



FCC SAR Test Report

Report No. : FA212202

	FR1 n38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 25	DSI 2	519000	2595	15.57	17.00	1.390	-	-	0.19	0.228	0.317
	FR1 n38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 25	DSI 2	519000	2595	15.57	17.00	1.390	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 25	DSI 2	519000	2595	15.57	17.00	1.390	-	-	0.08	0.151	0.210
	FR1 n38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 25	DSI 2	519000	2595	15.57	17.00	1.390	-	-	0.19	0.040	0.056
	FR1 n38	40M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 25	DSI 3	519000	2595	15.18	16.50	1.355	-	-	0.18	0.345	0.468
	FR1 n38	40M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 25	DSI 3	519000	2595	15.18	16.50	1.355	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 25	DSI 3	519000	2595	15.18	16.50	1.355	-	-	-0.13	0.138	0.187
	FR1 n38	40M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 25	DSI 3	519000	2595	15.18	16.50	1.355	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 25	DSI 3	519000	2595	15.17	16.50	1.358	-	-	0.11	0.195	0.265
	FR1 n38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 25	DSI 3	519000	2595	15.17	16.50	1.358	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 25	DSI 3	519000	2595	15.17	16.50	1.358	-	-	0.13	0.122	0.166
	FR1 n38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 25	DSI 3	519000	2595	15.17	16.50	1.358	-	-	-	n/a	n/a
27	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	518598	2592.99	14.43	15.50	1.279	-	-	-0.06	0.710	0.908
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 13	DSI 2	518598	2592.99	14.43	15.50	1.279	-	-	-0.05	0.546	0.699
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 13	DSI 2	518598	2592.99	14.43	15.50	1.279	-	-	-0.19	0.263	0.336
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 13	DSI 2	518598	2592.99	14.43	15.50	1.279	-	-	0.02	0.254	0.325
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	509202	2546.01	14.33	15.50	1.309	-	-	0.08	0.627	0.821
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	528000	2640	14.15	15.50	1.365	-	-	0.04	0.592	0.808
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	518598	2592.99	14.28	15.50	1.324	-	-	-0.04	0.618	0.818
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 13	DSI 2	518598	2592.99	14.28	15.50	1.324	-	-	-0.13	0.528	0.699
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 13	DSI 2	518598	2592.99	14.28	15.50	1.324	-	-	-0.03	0.257	0.340
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 13	DSI 2	518598	2592.99	14.28	15.50	1.324	-	-	0.03	0.240	0.318
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	509202	2546.01	14.27	15.50	1.327	-	-	0.11	0.613	0.814
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	528000	2640	14.22	15.50	1.343	-	-	-0.17	0.583	0.783
	FR1 n41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 13	DSI 2	518598	2592.99	14.27	15.50	1.327	-	-	0.11	0.527	0.700
	FR1 n41	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 13	DSI 2	518598	2592.99	14.27	15.50	1.327	-	-	0.04	0.501	0.665
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 3	518598	2592.99	13.53	14.50	1.250	-	-	-0.14	0.529	0.661
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 13	DSI 3	518598	2592.99	13.53	14.50	1.250	-	-	0.09	0.396	0.495
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 13	DSI 3	518598	2592.99	13.53	14.50	1.250	-	-	0.19	0.177	0.221
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 13	DSI 3	518598	2592.99	13.53	14.50	1.250	-	-	-0.09	0.196	0.245
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 3	509202	2546.01	13.40	14.50	1.288	-	-	0.02	0.501	0.645
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 13	DSI 3	528000	2640	13.46	14.50	1.271	-	-	0.05	0.485	0.616
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 13	DSI 3	518598	2592.99	13.28	14.50	1.324	-	-	0.08	0.409	0.542
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 13	DSI 3	518598	2592.99	13.28	14.50	1.324	-	-	-0.05	0.368	0.487
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 13	DSI 3	518598	2592.99	13.28	14.50	1.324	-	-	0.11	0.183	0.242
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 13	DSI 3	518598	2592.99	13.28	14.50	1.324	-	-	-0.19	0.185	0.245
	FR1 n41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 13	DSI 3	518598	2592.99	13.27	14.50	1.327	-	-	0.06	0.478	0.634
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 31	DSI 2/3	518598	2592.99	23.85	24.80	1.245	-	-	-0.09	0.045	0.056
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 31	DSI 2/3	518598	2592.99	23.85	24.80	1.245	-	-	0.08	0.043	0.054
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 31	DSI 2/3	518598	2592.99	23.85	24.80	1.245	-	-	-0.1	0.032	0.040
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 31	DSI 2/3	518598	2592.99	23.85	24.80	1.245	-	-	-0.08	0.051	0.063
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 31	DSI 2/3	518598	2592.99	23.62	24.80	1.312	-	-	0.19	0.043	0.056
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 31	DSI 2/3	518598	2592.99	23.62	24.80	1.312	-	-	0.1	0.038	0.050
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 31	DSI 2/3	518598	2592.99	23.62	24.80	1.312	-	-	0.08	0.028	0.037
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 31	DSI 2/3	518598	2592.99	23.62	24.80	1.312	-	-	-0.12	0.045	0.059
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 25	DSI 2	518598	2592.99	15.78	17.00	1.324	-	-	0.07	0.180	0.238
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 25	DSI 2	518598	2592.99	15.78	17.00	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 25	DSI 2	518598	2592.99	15.78	17.00	1.324	-	-	-0.07	0.134	0.177
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 25	DSI 2	518598	2592.99	15.78	17.00	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 25	DSI 2	518598	2592.99	15.75	17.00	1.334	-	-	0.03	0.253	0.337
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 25	DSI 2	518598	2592.99	15.75	17.00	1.334	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 25	DSI 2	518598	2592.99	15.75	17.00	1.334	-	-	0.09	0.140	0.187
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 25	DSI 2	518598	2592.99	15.75	17.00	1.334	-	-	0.05	0.041	0.055
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 25	DSI 3	518598	2592.99	15.28	16.50	1.324	-	-	0.19	0.161	0.213
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 25	DSI 3	518598	2592.99	15.28	16.50	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 25	DSI 3	518598	2592.99	15.28	16.50	1.324	-	-	0.18	0.123	0.163



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	FR1 n41	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 25	DSI 3	518598	2592.99	15.28	16.50	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 25	DSI 3	518598	2592.99	15.25	16.50	1.334	-	-	-0.1	0.212	0.283
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 25	DSI 3	518598	2592.99	15.25	16.50	1.334	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 25	DSI 3	518598	2592.99	15.25	16.50	1.334	-	-	0.04	0.119	0.159
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 25	DSI 3	518598	2592.99	15.25	16.50	1.334	-	-	-	n/a	n/a
3500~3900MHz																				
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 12	DSI 2/3	42590	3500	16.18	16.50	1.076	62.9	1.006	0.19	0.376	0.407
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 12	DSI 2/3	42590	3500	16.18	16.50	1.076	62.9	1.006	0.02	0.212	0.230
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 12	DSI 2/3	42590	3500	16.18	16.50	1.076	62.9	1.006	0.02	0.074	0.080
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 12	DSI 2/3	42590	3500	16.18	16.50	1.076	62.9	1.006	0.14	0.078	0.084
28	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 12	DSI 2/3	42590	3500	16.14	16.50	1.086	62.9	1.006	0.07	0.472	0.516
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 12	DSI 2/3	42590	3500	16.14	16.50	1.086	62.9	1.006	-0.07	0.226	0.247
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 12	DSI 2/3	42590	3500	16.14	16.50	1.086	62.9	1.006	0.04	0.075	0.082
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 12	DSI 2/3	42590	3500	16.14	16.50	1.086	62.9	1.006	0.1	0.087	0.095
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 24	DSI 2/3	42590	3500	15.82	16.80	1.253	62.9	1.006	-0.15	0.067	0.084
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 24	DSI 2/3	42590	3500	15.82	16.80	1.253	62.9	1.006	0.03	0.044	0.055
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 24	DSI 2/3	42590	3500	15.82	16.80	1.253	62.9	1.006	0.15	0.238	0.300
	LTE Band 42(Part 27Q)	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 24	DSI 2/3	42590	3500	15.82	16.80	1.253	62.9	1.006	-0.07	0.071	0.090
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 24	DSI 2/3	42590	3500	15.73	16.80	1.279	62.9	1.006	0.08	0.069	0.089
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 24	DSI 2/3	42590	3500	15.73	16.80	1.279	62.9	1.006	0.14	0.061	0.079
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 24	DSI 2/3	42590	3500	15.73	16.80	1.279	62.9	1.006	-0.08	0.249	0.320
	LTE Band 42(Part 27Q)	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 24	DSI 2/3	42590	3500	15.73	16.80	1.279	62.9	1.006	-0.14	0.078	0.100
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.68	15.30	1.153	-	-	-0.14	0.328	0.378
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.68	15.30	1.153	-	-	0.18	0.233	0.269
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.68	15.30	1.153	-	-	-0.15	0.081	0.093
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.68	15.30	1.153	-	-	0.02	0.085	0.098
29	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.59	15.30	1.178	-	-	-0.04	0.422	0.497
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.59	15.30	1.178	-	-	-0.1	0.244	0.287
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.59	15.30	1.178	-	-	-0.13	0.099	0.117
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.59	15.30	1.178	-	-	0.18	0.089	0.105
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.65	14.30	1.161	-	-	-0.14	0.268	0.311
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.65	14.30	1.161	-	-	0.08	0.179	0.208
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.65	14.30	1.161	-	-	0.01	0.065	0.075
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.65	14.30	1.161	-	-	-0.06	0.058	0.067
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.44	14.30	1.219	-	-	0.02	0.358	0.436
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.44	14.30	1.219	-	-	-0.09	0.193	0.235
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.44	14.30	1.219	-	-	0.14	0.070	0.085
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.44	14.30	1.219	-	-	0.01	0.062	0.076
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	656000	3840	14.05	15.30	1.334	-	-	0.15	0.197	0.263
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	656000	3840	14.05	15.30	1.334	-	-	-0.09	0.136	0.181
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	656000	3840	14.05	15.30	1.334	-	-	0.02	0.067	0.089
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	656000	3840	14.05	15.30	1.334	-	-	-0.01	0.061	0.081
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	656000	3840	13.91	15.30	1.377	-	-	0.15	0.173	0.238
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	656000	3840	13.91	15.30	1.377	-	-	-0.19	0.120	0.165
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	656000	3840	13.91	15.30	1.377	-	-	-0.18	0.055	0.076
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	656000	3840	13.91	15.30	1.377	-	-	0.09	0.052	0.072
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	656000	3840	13.12	14.30	1.312	-	-	-0.18	0.156	0.205
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	656000	3840	13.12	14.30	1.312	-	-	-0.01	0.110	0.144
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	656000	3840	13.12	14.30	1.312	-	-	0.14	0.052	0.068
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	656000	3840	13.12	14.30	1.312	-	-	-0.03	0.050	0.066
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	656000	3840	13.04	14.30	1.337	-	-	0.1	0.137	0.183
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	656000	3840	13.04	14.30	1.337	-	-	0.19	0.099	0.132
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	656000	3840	13.04	14.30	1.337	-	-	-0.01	0.050	0.067
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	656000	3840	13.04	14.30	1.337	-	-	0.07	0.041	0.055
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.15	16.80	1.161	-	-	0.09	0.106	0.123
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.15	16.80	1.161	-	-	0.19	0.058	0.067



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	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.15	16.80	1.161	-	-	0.04	0.295	0.343
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.15	16.80	1.161	-	-	0.16	0.115	0.134
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.07	16.80	1.183	-	-	0.06	0.115	0.136
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.07	16.80	1.183	-	-	0.13	0.066	0.078
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.07	16.80	1.183	-	-	-0.08	0.404	0.478
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.07	16.80	1.183	-	-	0.08	0.138	0.163
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.27	15.80	1.130	-	-	0.07	0.088	0.099
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.27	15.80	1.130	-	-	0.12	0.044	0.050
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.27	15.80	1.130	-	-	0.19	0.263	0.297
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.27	15.80	1.130	-	-	0.05	0.099	0.112
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.13	15.80	1.167	-	-	0.13	0.093	0.109
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.13	15.80	1.167	-	-	0.12	0.052	0.061
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.13	15.80	1.167	-	-	0.15	0.309	0.361
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.13	15.80	1.167	-	-	-0.08	0.105	0.123
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	656000	3840	15.78	16.80	1.265	-	-	-0.09	0.088	0.111
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	656000	3840	15.78	16.80	1.265	-	-	0.02	0.049	0.062
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	656000	3840	15.78	16.80	1.265	-	-	0.03	0.321	0.406
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	656000	3840	15.78	16.80	1.265	-	-	0.13	0.108	0.137
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	656000	3840	15.42	16.80	1.374	-	-	-0.15	0.067	0.092
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	656000	3840	15.42	16.80	1.374	-	-	0.15	0.039	0.054
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	656000	3840	15.42	16.80	1.374	-	-	-0.1	0.244	0.335
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	656000	3840	15.42	16.80	1.374	-	-	-0.05	0.091	0.125
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	656000	3840	14.78	15.80	1.265	-	-	-0.04	0.072	0.091
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	656000	3840	14.78	15.80	1.265	-	-	-0.04	0.039	0.049
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	656000	3840	14.78	15.80	1.265	-	-	-0.01	0.241	0.305
	FR1 n77(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	656000	3840	14.78	15.80	1.265	-	-	0.04	0.085	0.108
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	656000	3840	14.51	15.80	1.346	-	-	-0.07	0.055	0.074
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	656000	3840	14.51	15.80	1.346	-	-	-	n/a	n/a
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	656000	3840	14.51	15.80	1.346	-	-	-0.09	0.177	0.238
	FR1 n77(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	656000	3840	14.51	15.80	1.346	-	-	-0.03	0.071	0.096
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.45	15.00	1.135	-	-	0.01	0.320	0.363
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.45	15.00	1.135	-	-	0.11	0.224	0.254
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.45	15.00	1.135	-	-	0.11	0.081	0.092
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.45	15.00	1.135	-	-	-0.14	0.097	0.110
30	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.39	15.00	1.151	-	-	-0.11	0.447	0.514
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.39	15.00	1.151	-	-	-0.04	0.223	0.257
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	14.39	15.00	1.151	-	-	-0.06	0.085	0.098
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	14.39	15.00	1.151	-	-	0.15	0.093	0.107
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.52	14.00	1.117	-	-	-0.07	0.252	0.281
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.52	14.00	1.117	-	-	-0.05	0.175	0.195
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.52	14.00	1.117	-	-	-0.12	0.068	0.076
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.52	14.00	1.117	-	-	0.02	0.075	0.084
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.41	14.00	1.146	-	-	0.13	0.354	0.406
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.41	14.00	1.146	-	-	-0.17	0.181	0.207
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	13.41	14.00	1.146	-	-	0.1	0.069	0.079
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	13.41	14.00	1.146	-	-	-0.15	0.078	0.089
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	650000	3750	14.19	15.00	1.205	-	-	-0.19	0.259	0.312
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	650000	3750	14.19	15.00	1.205	-	-	-0.17	0.176	0.212
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	650000	3750	14.19	15.00	1.205	-	-	-0.17	0.083	0.100
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	650000	3750	14.19	15.00	1.205	-	-	-0.16	0.091	0.110
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	650000	3750	13.90	15.00	1.288	-	-	0.03	0.228	0.294
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	650000	3750	13.90	15.00	1.288	-	-	0.11	0.160	0.206
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	650000	3750	13.90	15.00	1.288	-	-	0.09	0.070	0.090
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	650000	3750	13.90	15.00	1.288	-	-	0.03	0.068	0.088
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	650000	3750	12.93	14.00	1.279	-	-	0.07	0.213	0.273
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	650000	3750	12.93	14.00	1.279	-	-	0.02	0.151	0.193



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	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	650000	3750	12.93	14.00	1.279	-	-	0.07	0.070	0.090
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	650000	3750	12.93	14.00	1.279	-	-	-0.16	0.064	0.082
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	650000	3750	12.76	14.00	1.330	-	-	-0.04	0.177	0.235
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	650000	3750	12.76	14.00	1.330	-	-	0.06	0.124	0.165
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	650000	3750	12.76	14.00	1.330	-	-	0.17	0.060	0.080
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	650000	3750	12.76	14.00	1.330	-	-	-0.15	0.052	0.069
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.06	16.80	1.186	-	-	0.02	0.109	0.129
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.06	16.80	1.186	-	-	0.09	0.059	0.070
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	16.06	16.80	1.186	-	-	0.16	0.365	0.433
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	16.06	16.80	1.186	-	-	-0.07	0.118	0.140
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	15.80	16.80	1.259	-	-	0.08	0.111	0.140
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	15.80	16.80	1.259	-	-	0.09	0.073	0.092
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	15.80	16.80	1.259	-	-	-0.06	0.392	0.493
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	15.80	16.80	1.259	-	-	-0.09	0.134	0.169
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.06	15.80	1.186	-	-	-0.19	0.083	0.098
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.06	15.80	1.186	-	-	0.14	0.032	0.038
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	15.06	15.80	1.186	-	-	-0.08	0.302	0.358
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	15.06	15.80	1.186	-	-	0.15	0.096	0.114
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	14.91	15.80	1.227	-	-	0.17	0.087	0.107
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	14.91	15.80	1.227	-	-	0.04	0.046	0.056
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	14.91	15.80	1.227	-	-	0.15	0.319	0.392
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	14.91	15.80	1.227	-	-	0.15	0.106	0.130
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	650000	3750	16.18	16.80	1.153	-	-	-0.1	0.087	0.100
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	650000	3750	16.18	16.80	1.153	-	-	0.06	0.051	0.059
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	650000	3750	16.18	16.80	1.153	-	-	-0.01	0.284	0.328
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	650000	3750	16.18	16.80	1.153	-	-	-0.06	0.116	0.134
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	650000	3750	15.97	16.80	1.211	-	-	0.11	0.088	0.107
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	650000	3750	15.97	16.80	1.211	-	-	0.01	0.053	0.064
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	650000	3750	15.97	16.80	1.211	-	-	-0.01	0.287	0.347
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	650000	3750	15.97	16.80	1.211	-	-	-0.12	0.119	0.144
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	650000	3750	14.95	15.80	1.216	-	-	0.14	0.068	0.083
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	650000	3750	14.95	15.80	1.216	-	-	0.09	0.038	0.046
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	650000	3750	14.95	15.80	1.216	-	-	-0.01	0.204	0.248
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	650000	3750	14.95	15.80	1.216	-	-	0.09	0.090	0.109
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	650000	3750	14.75	15.80	1.274	-	-	-0.03	0.070	0.089
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	650000	3750	14.75	15.80	1.274	-	-	-0.19	0.039	0.050
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	650000	3750	14.75	15.80	1.274	-	-	-0.01	0.208	0.265
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	650000	3750	14.75	15.80	1.274	-	-	-0.16	0.093	0.118
5000MHz																				
	WLAN5.3GHz	-	-	-	-	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 23+24	Reduced Level 2	50	5250	11.61	13.00	1.377	100	1.000	-0.11	0.054	0.074
	WLAN5.3GHz	-	-	-	-	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 23+24	Reduced Level 2	50	5250	11.61	13.00	1.377	100	1.000	0.12	0.051	0.070
	WLAN5.3GHz	-	-	-	-	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 23+24	Reduced Level 2	50	5250	11.61	13.00	1.377	100	1.000	0.1	0.121	0.167
31	WLAN5.3GHz	-	-	-	-	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 23+24	Reduced Level 2	50	5250	11.61	13.00	1.377	100	1.000	0.05	0.132	0.182
	WLAN5.5GHz	-	-	-	-	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 23+24	Reduced Level 2	114	5570	11.14	13.00	1.535	100	1.000	-0.07	0.137	0.210
	WLAN5.5GHz	-	-	-	-	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 23+24	Reduced Level 2	114	5570	11.14	13.00	1.535	100	1.000	0.06	0.122	0.187
	WLAN5.5GHz	-	-	-	-	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 23+24	Reduced Level 2	114	5570	11.14	13.00	1.535	100	1.000	0.17	0.152	0.233
32	WLAN5.5GHz	-	-	-	-	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 23+24	Reduced Level 2	114	5570	11.14	13.00	1.535	100	1.000	-0.05	0.243	0.373
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 23+24	Reduced Level 2	155	5775	11.14	13.00	1.535	100	1.000	-0.01	0.086	0.132
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 23+24	Reduced Level 2	155	5775	11.14	13.00	1.535	100	1.000	0.02	0.105	0.161
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 23+24	Reduced Level 2	155	5775	11.14	13.00	1.535	100	1.000	-0.19	0.158	0.242
33	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 23+24	Reduced Level 2	155	5775	11.14	13.00	1.535	100	1.000	-0.08	0.309	0.474

**<Standalone SRS SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.99	21.00	25.0	8.5	0.01	0.181	0.049	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.99	21.00	25.0	8.5	-0.12	0.038	0.010	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.99	21.00	25.0	8.5	0.15	0.114	0.031	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.99	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.80	21.00	25.0	8.5	-0.05	0.271	0.076	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.80	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.80	21.00	25.0	8.5	0.04	0.104	0.029	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.80	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	633334	3500.01	19.42	20.50	25.0	8.5	0.02	0.165	0.051	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	633334	3500.01	19.42	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	633334	3500.01	19.42	20.50	25.0	8.5	-0.15	0.107	0.033	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	633334	3500.01	19.42	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	633334	3500.01	19.30	20.50	25.0	8.5	0.04	0.263	0.083	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	633334	3500.01	19.30	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	633334	3500.01	19.30	20.50	25.0	8.5	0.03	0.100	0.032	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	633334	3500.01	19.30	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	650000	3750	20.19	21.00	25.0	8.5	0.16	0.152	0.039	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	650000	3750	20.19	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	650000	3750	20.19	21.00	25.0	8.5	0.09	0.108	0.028	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	650000	3750	20.19	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	650000	3750	20.13	21.00	25.0	8.5	0.1	0.111	0.029	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	650000	3750	20.13	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	650000	3750	20.13	21.00	25.0	8.5	-0.06	0.096	0.025	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	650000	3750	20.13	21.00	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	650000	3750	19.71	20.50	25.0	8.5	-0.02	0.133	0.038	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	650000	3750	19.71	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	650000	3750	19.71	20.50	25.0	8.5	-0.18	0.082	0.024	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	650000	3750	19.71	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	650000	3750	19.68	20.50	25.0	8.5	-0.17	0.100	0.029	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	650000	3750	19.68	20.50	25.0	8.5	0.06	0.063	0.018	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	633334	3500.01	18.48	19.50	24.5	8.5	-0.13	0.075	0.025	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	633334	3500.01	18.48	19.50	24.5	8.5	0.05	0.102	0.035	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	633334	3500.01	18.48	19.50	24.5	8.5	-0.09	0.204	0.069	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	633334	3500.01	18.48	19.50	24.5	8.5	-0.16	0.197	0.067	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	633334	3500.01	18.28	19.50	24.5	8.5	0.15	0.080	0.028	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	633334	3500.01	18.28	19.50	24.5	8.5	0.19	0.093	0.033	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	633334	3500.01	18.28	19.50	24.5	8.5	-0.16	0.275	0.098	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	633334	3500.01	18.28	19.50	24.5	8.5	-0.07	0.354	0.126	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	633334	3500.01	17.75	19.00	24.5	8.5	0.18	0.075	0.030	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	633334	3500.01	17.75	19.00	24.5	8.5	-0.07	0.100	0.040	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	633334	3500.01	17.75	19.00	24.5	8.5	-0.09	0.191	0.077	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	633334	3500.01	17.75	19.00	24.5	8.5	-0.04	0.192	0.077	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	633334	3500.01	17.53	19.00	24.5	8.5	0.08	0.067	0.028	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	633334	3500.01	17.53	19.00	24.5	8.5	-0.03	0.084	0.036	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	633334	3500.01	17.53	19.00	24.5	8.5	0.05	0.242	0.102	
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	633334	3500.01	17.53	19.00	24.5	8.5	0.11	0.313	0.132	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	650000	3750	17.91	19.50	24.5	8.5	-	n/a	n/a	
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	650000	3750	17.91	19.50	24.5	8.5	0.06	0.044	0.017	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	650000	3750	17.91	19.50	24.5	8.5	-0.03	0.085	0.033	
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	650000	3750	17.91	19.50	24.5	8.5	0.02	0.103	0.040	
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	650000	3750	17.70	19.50	24.5	8.5	-	n/a	n/a	



FCC SAR Test Report

Report No. : FA212202

FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	650000	3750	17.70	19.50	24.5	8.5	0.01	0.042	0.017
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	650000	3750	17.70	19.50	24.5	8.5	-0.01	0.061	0.025
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	650000	3750	17.70	19.50	24.5	8.5	-0.19	0.065	0.026
FR1 n78	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	650000	3750	17.30	19.00	24.5	8.5	-	n/a	n/a
FR1 n78	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	650000	3750	17.30	19.00	24.5	8.5	0.18	0.041	0.018
FR1 n78	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	650000	3750	17.30	19.00	24.5	8.5	-0.04	0.075	0.033
FR1 n78	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	650000	3750	17.30	19.00	24.5	8.5	-0.14	0.078	0.035
FR1 n78	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	650000	3750	17.12	19.00	24.5	8.5	-	n/a	n/a
FR1 n78	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	650000	3750	17.12	19.00	24.5	8.5	0.19	0.044	0.020
FR1 n78	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	650000	3750	17.12	19.00	24.5	8.5	-0.11	0.057	0.027
FR1 n78	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	650000	3750	17.12	19.00	24.5	8.5	0.14	0.066	0.031

<EN-DC 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
835MHz																				
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 11	DSI 2	20525	836.5	19.48	20.50	1.265	-	-	0.09	0.225	0.285
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 11	DSI 2	20525	836.5	19.48	20.50	1.265	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 11	DSI 2	20525	836.5	19.48	20.50	1.265	-	-	0.07	0.266	0.336
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 11	DSI 2	20525	836.5	19.48	20.50	1.265	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 11	DSI 2	20525	836.5	19.39	20.50	1.291	-	-	0.02	0.207	0.267
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 11	DSI 2	20525	836.5	19.39	20.50	1.291	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 11	DSI 2	20525	836.5	19.39	20.50	1.291	-	-	0.13	0.301	0.389
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 11	DSI 2	20525	836.5	19.39	20.50	1.291	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 11	DSI 3	20525	836.5	14.63	15.50	1.222	-	-	-0.02	0.069	0.084
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 11	DSI 3	20525	836.5	14.63	15.50	1.222	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 11	DSI 3	20525	836.5	14.63	15.50	1.222	-	-	-0.02	0.095	0.116
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 11	DSI 3	20525	836.5	14.63	15.50	1.222	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 11	DSI 3	20525	836.5	14.57	15.50	1.239	-	-	-0.13	0.076	0.094
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 11	DSI 3	20525	836.5	14.57	15.50	1.239	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 11	DSI 3	20525	836.5	14.57	15.50	1.239	-	-	0.12	0.097	0.120
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 11	DSI 3	20525	836.5	14.57	15.50	1.239	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 41	DSI 2/3	20525	836.5	23.95	25.00	1.274	-	-	0.17	0.166	0.211
	LTE Band 5	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 41	DSI 2/3	20525	836.5	23.95	25.00	1.274	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Left Cheek	0mm	Ant 41	DSI 2/3	20525	836.5	23.95	25.00	1.274	-	-	0.09	0.092	0.117
	LTE Band 5	10M	QPSK	1	0	-	Left Tilted	0mm	Ant 41	DSI 2/3	20525	836.5	23.95	25.00	1.274	-	-	-0.04	0.059	0.075
	LTE Band 5	10M	QPSK	25	0	-	Right Cheek	0mm	Ant 41	DSI 2/3	20525	836.5	22.98	24.00	1.265	-	-	-0.05	0.136	0.172
	LTE Band 5	10M	QPSK	25	0	-	Right Tilted	0mm	Ant 41	DSI 2/3	20525	836.5	22.98	24.00	1.265	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Left Cheek	0mm	Ant 41	DSI 2/3	20525	836.5	22.98	24.00	1.265	-	-	-0.12	0.080	0.101
	LTE Band 5	10M	QPSK	25	0	-	Left Tilted	0mm	Ant 41	DSI 2/3	20525	836.5	22.98	24.00	1.265	-	-	-0.07	0.056	0.071
	FR1 n5	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 11	DSI 2	167300	836.5	19.21	20.50	1.346	-	-	-0.11	0.184	0.248
	FR1 n5	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 11	DSI 2	167300	836.5	19.21	20.50	1.346	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 11	DSI 2	167300	836.5	19.21	20.50	1.346	-	-	-0.04	0.241	0.324
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 11	DSI 2	167300	836.5	19.21	20.50	1.346	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 11	DSI 2	167300	836.5	19.06	20.50	1.393	-	-	0.15	0.192	0.267
	FR1 n5	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 11	DSI 2	167300	836.5	19.06	20.50	1.393	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 11	DSI 2	167300	836.5	19.06	20.50	1.393	-	-	-0.06	0.254	0.354
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 11	DSI 2	167300	836.5	19.06	20.50	1.393	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 11	DSI 3	167300	836.5	13.76	15.00	1.330	-	-	-0.15	0.044	0.059
	FR1 n5	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 11	DSI 3	167300	836.5	13.76	15.00	1.330	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 11	DSI 3	167300	836.5	13.76	15.00	1.330	-	-	0.16	0.064	0.086
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 11	DSI 3	167300	836.5	13.76	15.00	1.330	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 11	DSI 3	167300	836.5	13.60	15.00	1.380	-	-	-0.09	0.051	0.070
	FR1 n5	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 11	DSI 3	167300	836.5	13.60	15.00	1.380	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 11	DSI 3	167300	836.5	13.60	15.00	1.380	-	-	-0.04	0.072	0.100



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FR1 n5	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 11	DSI 3	167300	836.5	13.60	15.00	1.380	-	-	-	n/a	n/a
FR1 n5	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 41	DSI 2/3	167300	836.5	23.53	24.50	1.250	-	-	-0.12	0.139	0.174
FR1 n5	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 41	DSI 2/3	167300	836.5	23.53	24.50	1.250	-	-	0.14	0.064	0.080
FR1 n5	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 41	DSI 2/3	167300	836.5	23.53	24.50	1.250	-	-	0.19	0.088	0.110
FR1 n5	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 41	DSI 2/3	167300	836.5	23.53	24.50	1.250	-	-	-0.03	0.059	0.074
FR1 n5	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 41	DSI 2/3	167300	836.5	23.51	24.50	1.256	-	-	-0.01	0.164	0.206
FR1 n5	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 41	DSI 2/3	167300	836.5	23.51	24.50	1.256	-	-	0.1	0.079	0.099
FR1 n5	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 41	DSI 2/3	167300	836.5	23.51	24.50	1.256	-	-	-0.19	0.102	0.128
FR1 n5	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 41	DSI 2/3	167300	836.5	23.51	24.50	1.256	-	-	-0.14	0.071	0.089
1750MHz																			
LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	20175	1732.5	13.31	14.00	1.172	-	-	-0.04	0.310	0.363
LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	20175	1732.5	13.31	14.00	1.172	-	-	0.09	0.459	0.538
LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	20175	1732.5	13.31	14.00	1.172	-	-	-0.15	0.250	0.293
LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	20175	1732.5	13.31	14.00	1.172	-	-	-0.07	0.298	0.349
LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	20175	1732.5	13.14	14.00	1.219	-	-	0.16	0.301	0.367
LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	20175	1732.5	13.14	14.00	1.219	-	-	-0.18	0.335	0.408
LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	20175	1732.5	13.14	14.00	1.219	-	-	0.01	0.245	0.299
LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	20175	1732.5	13.14	14.00	1.219	-	-	-0.16	0.295	0.360
LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	20175	1732.5	7.94	8.50	1.138	-	-	0.1	0.060	0.068
LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	20175	1732.5	7.94	8.50	1.138	-	-	0.13	0.122	0.139
LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	20175	1732.5	7.94	8.50	1.138	-	-	0.06	0.069	0.078
LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	20175	1732.5	7.94	8.50	1.138	-	-	0.08	0.096	0.109
LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	20175	1732.5	7.76	8.50	1.186	-	-	-0.19	0.086	0.102
LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	20175	1732.5	7.76	8.50	1.186	-	-	0.11	0.086	0.102
LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	20175	1732.5	7.76	8.50	1.186	-	-	-0.03	0.069	0.082
LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	20175	1732.5	7.76	8.50	1.186	-	-	-0.06	0.095	0.113
LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	20175	1732.5	23.88	25.00	1.294	-	-	0.11	0.174	0.225
LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	20175	1732.5	23.88	25.00	1.294	-	-	-0.05	0.071	0.092
LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	20175	1732.5	23.88	25.00	1.294	-	-	-0.09	0.100	0.129
LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	20175	1732.5	23.88	25.00	1.294	-	-	0.09	0.066	0.085
LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	20175	1732.5	22.79	24.00	1.321	-	-	0.14	0.117	0.155
LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	20175	1732.5	22.79	24.00	1.321	-	-	0.18	0.055	0.073
LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	20175	1732.5	22.79	24.00	1.321	-	-	-0.13	0.076	0.100
LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	20175	1732.5	22.79	24.00	1.321	-	-	0.09	0.054	0.071
LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	20175	1732.5	16.01	17.00	1.256	-	-	-0.15	0.252	0.317
LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	20175	1732.5	16.01	17.00	1.256	-	-	0.13	0.063	0.079
LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	20175	1732.5	16.01	17.00	1.256	-	-	-0.11	0.398	0.500
LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	20175	1732.5	16.01	17.00	1.256	-	-	0.19	0.086	0.108
LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	20175	1732.5	15.88	17.00	1.294	-	-	-0.13	0.249	0.322
LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	20175	1732.5	15.88	17.00	1.294	-	-	-0.19	0.065	0.083
LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	20175	1732.5	15.88	17.00	1.294	-	-	0.07	0.396	0.513
LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	20175	1732.5	15.88	17.00	1.294	-	-	-0.16	0.085	0.110
LTE Band 4	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	20175	1732.5	10.84	12.00	1.306	-	-	0.18	0.084	0.109
LTE Band 4	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	20175	1732.5	10.84	12.00	1.306	-	-	-	n/a	n/a
LTE Band 4	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	20175	1732.5	10.84	12.00	1.306	-	-	0.12	0.103	0.135
LTE Band 4	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	20175	1732.5	10.84	12.00	1.306	-	-	0.07	0.024	0.031
LTE Band 4	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	20175	1732.5	10.69	12.00	1.352	-	-	-0.15	0.082	0.111
LTE Band 4	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	20175	1732.5	10.69	12.00	1.352	-	-	-	n/a	n/a
LTE Band 4	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	20175	1732.5	10.69	12.00	1.352	-	-	0.12	0.103	0.139
LTE Band 4	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	20175	1732.5	10.69	12.00	1.352	-	-	-0.02	0.024	0.033
LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	132322	1745	13.31	14.00	1.172	-	-	0.07	0.308	0.361
LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	132322	1745	13.31	14.00	1.172	-	-	0.08	0.464	0.544
LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	132322	1745	13.31	14.00	1.172	-	-	-0.05	0.248	0.291
LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	132322	1745	13.31	14.00	1.172	-	-	0.13	0.323	0.379
LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	132322	1745	13.15	14.00	1.216	-	-	0.03	0.207	0.252
LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	132322	1745	13.15	14.00	1.216	-	-	-0.13	0.364	0.443



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LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	132322	1745	13.15	14.00	1.216	-	-	0.17	0.225	0.274
LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	132322	1745	13.15	14.00	1.216	-	-	0.11	0.301	0.366
LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	132322	1745	7.81	8.50	1.172	-	-	-0.06	0.102	0.120
LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	132322	1745	7.81	8.50	1.172	-	-	-0.05	0.126	0.148
LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	132322	1745	7.81	8.50	1.172	-	-	0.01	0.060	0.070
LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	132322	1745	7.81	8.50	1.172	-	-	-0.06	0.089	0.104
LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	132322	1745	7.75	8.50	1.189	-	-	-0.15	0.087	0.103
LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	132322	1745	7.75	8.50	1.189	-	-	0.09	0.107	0.127
LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	132322	1745	7.75	8.50	1.189	-	-	-0.11	0.072	0.086
LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	132322	1745	7.75	8.50	1.189	-	-	-0.11	0.085	0.101
LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	132322	1745	23.89	25.00	1.291	-	-	-0.06	0.187	0.241
LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	132322	1745	23.89	25.00	1.291	-	-	0.18	0.103	0.133
LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	132322	1745	23.89	25.00	1.291	-	-	0.01	0.098	0.127
LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	132322	1745	23.89	25.00	1.291	-	-	0.03	0.074	0.096
LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	132322	1745	22.72	24.00	1.343	-	-	0.11	0.135	0.181
LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	132322	1745	22.72	24.00	1.343	-	-	0.18	0.080	0.107
LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	132322	1745	22.72	24.00	1.343	-	-	0.06	0.080	0.107
LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	132322	1745	22.72	24.00	1.343	-	-	0.09	0.062	0.083
LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	132322	1745	15.96	17.00	1.271	-	-	0.19	0.210	0.267
LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	132322	1745	15.96	17.00	1.271	-	-	-0.12	0.036	0.046
LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	132322	1745	15.96	17.00	1.271	-	-	0.07	0.324	0.412
LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	132322	1745	15.96	17.00	1.271	-	-	-0.02	0.049	0.062
LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	132322	1745	15.89	17.00	1.291	-	-	-0.01	0.189	0.244
LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	132322	1745	15.89	17.00	1.291	-	-	0.01	0.191	0.247
LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	132322	1745	15.89	17.00	1.291	-	-	0.14	0.221	0.285
LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	132322	1745	15.89	17.00	1.291	-	-	-0.07	0.045	0.058
LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	132322	1745	10.32	11.50	1.312	-	-	0.04	0.066	0.087
LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	132322	1745	10.32	11.50	1.312	-	-	-	n/a	n/a
LTE Band 66	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	132322	1745	10.32	11.50	1.312	-	-	0.13	0.096	0.126
LTE Band 66	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	132322	1745	10.32	11.50	1.312	-	-	-	n/a	n/a
LTE Band 66	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	132322	1745	10.20	11.50	1.349	-	-	0.01	0.054	0.073
LTE Band 66	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	132322	1745	10.20	11.50	1.349	-	-	-	n/a	n/a
LTE Band 66	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	132322	1745	10.20	11.50	1.349	-	-	-0.12	0.067	0.090
LTE Band 66	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	132322	1745	10.20	11.50	1.349	-	-	-	n/a	n/a
FR1 n66	30M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 13	DSI 2	349000	1745	14.71	15.50	1.199	-	-	-0.09	0.351	0.421
FR1 n66	30M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 13	DSI 2	349000	1745	14.71	15.50	1.199	-	-	-0.11	0.553	0.663
FR1 n66	30M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 13	DSI 2	349000	1745	14.71	15.50	1.199	-	-	-0.02	0.262	0.314
FR1 n66	30M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 13	DSI 2	349000	1745	14.71	15.50	1.199	-	-	-0.19	0.385	0.462
FR1 n66	30M	BPSK	80	40	DFT-15	Right Cheek	0mm	Ant 13	DSI 2	349000	1745	14.70	15.50	1.202	-	-	-0.18	0.389	0.468
FR1 n66	30M	BPSK	80	40	DFT-15	Right Tilted	0mm	Ant 13	DSI 2	349000	1745	14.70	15.50	1.202	-	-	-0.14	0.568	0.683
FR1 n66	30M	BPSK	80	40	DFT-15	Left Cheek	0mm	Ant 13	DSI 2	349000	1745	14.70	15.50	1.202	-	-	0.14	0.287	0.345
FR1 n66	30M	BPSK	80	40	DFT-15	Left Tilted	0mm	Ant 13	DSI 2	349000	1745	14.70	15.50	1.202	-	-	-0.09	0.426	0.512
FR1 n66	30M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 13	DSI 3	349000	1745	9.70	10.50	1.202	-	-	0.14	0.117	0.141
FR1 n66	30M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 13	DSI 3	349000	1745	9.70	10.50	1.202	-	-	0.06	0.145	0.174
FR1 n66	30M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 13	DSI 3	349000	1745	9.70	10.50	1.202	-	-	0.09	0.089	0.107
FR1 n66	30M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 13	DSI 3	349000	1745	9.70	10.50	1.202	-	-	0.06	0.116	0.139
FR1 n66	30M	BPSK	80	40	DFT-15	Right Cheek	0mm	Ant 13	DSI 3	349000	1745	9.58	10.50	1.236	-	-	-0.11	0.143	0.177
FR1 n66	30M	BPSK	80	40	DFT-15	Right Tilted	0mm	Ant 13	DSI 3	349000	1745	9.58	10.50	1.236	-	-	-0.1	0.174	0.215
FR1 n66	30M	BPSK	80	40	DFT-15	Left Cheek	0mm	Ant 13	DSI 3	349000	1745	9.58	10.50	1.236	-	-	0.12	0.090	0.111
FR1 n66	30M	BPSK	80	40	DFT-15	Left Tilted	0mm	Ant 13	DSI 3	349000	1745	9.58	10.50	1.236	-	-	-0.01	0.126	0.156
1900MHz																			
LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	-0.09	0.290	0.378
LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	0.14	0.343	0.447
LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	0.11	0.231	0.301
LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	-0.17	0.303	0.395
LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	-0.06	0.298	0.388



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	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	0.01	0.434	0.566
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	0.13	0.202	0.263
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	18900	1880	12.85	14.00	1.303	-	-	0.12	0.318	0.414
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	18900	1880	7.65	8.50	1.216	-	-	-0.08	0.075	0.091
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	18900	1880	7.65	8.50	1.216	-	-	-0.07	0.092	0.112
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	18900	1880	7.65	8.50	1.216	-	-	-0.18	0.067	0.081
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	18900	1880	7.65	8.50	1.216	-	-	-0.13	0.092	0.112
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	18900	1880	7.48	8.50	1.265	-	-	-0.08	0.081	0.102
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	18900	1880	7.48	8.50	1.265	-	-	-0.19	0.115	0.145
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	18900	1880	7.48	8.50	1.265	-	-	-0.16	0.065	0.082
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	18900	1880	7.48	8.50	1.265	-	-	0.18	0.094	0.119
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	18900	1880	23.35	24.50	1.303	-	-	0.03	0.081	0.106
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	18900	1880	23.35	24.50	1.303	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	18900	1880	23.35	24.50	1.303	-	-	0.06	0.043	0.056
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	18900	1880	23.35	24.50	1.303	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	18900	1880	22.25	23.50	1.334	-	-	-0.06	0.051	0.068
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	18900	1880	22.25	23.50	1.334	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	18900	1880	22.25	23.50	1.334	-	-	0.04	0.040	0.053
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	18900	1880	22.25	23.50	1.334	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	18900	1880	15.38	16.50	1.294	-	-	0.17	0.068	0.088
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	18900	1880	15.38	16.50	1.294	-	-	0.17	0.023	0.030
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	18900	1880	15.38	16.50	1.294	-	-	0.18	0.114	0.148
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	18900	1880	15.38	16.50	1.294	-	-	0.05	0.027	0.035
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	18900	1880	15.15	16.50	1.365	-	-	-0.19	0.059	0.081
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	18900	1880	15.15	16.50	1.365	-	-	-0.11	0.020	0.028
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	18900	1880	15.15	16.50	1.365	-	-	0.01	0.131	0.179
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	18900	1880	15.15	16.50	1.365	-	-	-0.15	0.030	0.040
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	18900	1880	10.53	11.50	1.250	-	-	0.06	0.026	0.033
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	18900	1880	10.53	11.50	1.250	-	-	-0.16	0.005	0.006
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	18900	1880	10.53	11.50	1.250	-	-	-0.11	0.025	0.031
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	18900	1880	10.53	11.50	1.250	-	-	-0.12	0.006	0.008
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	18900	1880	10.24	11.50	1.337	-	-	-0.05	0.029	0.039
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	18900	1880	10.24	11.50	1.337	-	-	0.02	0.006	0.007
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	18900	1880	10.24	11.50	1.337	-	-	0.05	0.038	0.051
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	18900	1880	10.24	11.50	1.337	-	-	-0.18	0.008	0.011
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	0.08	0.339	0.369
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	-0.12	0.205	0.223
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	0.12	0.142	0.155
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	0.19	0.059	0.064
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	-0.04	0.445	0.485
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	0.09	0.213	0.232
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	-0.08	0.147	0.160
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	21100	2535	12.63	13.00	1.089	-	-	-0.14	0.131	0.143
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	21100	2535	7.58	8.00	1.102	-	-	-0.07	0.073	0.080
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	21100	2535	7.58	8.00	1.102	-	-	0.07	0.060	0.066
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	21100	2535	7.58	8.00	1.102	-	-	0.05	0.041	0.045
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	21100	2535	7.58	8.00	1.102	-	-	0.1	0.042	0.046
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	21100	2535	7.54	8.00	1.112	-	-	-0.11	0.124	0.138
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	21100	2535	7.54	8.00	1.112	-	-	0.05	0.069	0.077
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	21100	2535	7.54	8.00	1.112	-	-	0.16	0.046	0.051
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	21100	2535	7.54	8.00	1.112	-	-	0.14	0.043	0.048
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	21100	2535	23.65	25.00	1.365	-	-	0.18	0.067	0.091
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	21100	2535	23.65	25.00	1.365	-	-	-0.1	0.068	0.093
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	21100	2535	23.65	25.00	1.365	-	-	-0.19	0.060	0.082
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	21100	2535	23.65	25.00	1.365	-	-	0.13	0.071	0.097



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	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	21100	2535	22.74	24.00	1.337	-	-	-0.12	0.065	0.087
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	21100	2535	22.74	24.00	1.337	-	-	-0.14	0.060	0.080
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	21100	2535	22.74	24.00	1.337	-	-	0.11	0.051	0.068
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	21100	2535	22.74	24.00	1.337	-	-	0.14	0.057	0.076
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	21100	2535	16.25	17.50	1.334	-	-	-0.12	0.314	0.419
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	21100	2535	16.25	17.50	1.334	-	-	-0.01	0.056	0.075
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	21100	2535	16.25	17.50	1.334	-	-	0.18	0.141	0.188
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	21100	2535	16.25	17.50	1.334	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	21100	2535	16.12	17.50	1.374	-	-	-0.16	0.231	0.317
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	21100	2535	16.12	17.50	1.374	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	21100	2535	16.12	17.50	1.374	-	-	0.14	0.139	0.191
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	21100	2535	16.12	17.50	1.374	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-0.18	0.111	0.151
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	0.04	0.045	0.061
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	0.17	0.081	0.111
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-0.07	0.035	0.048
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	21100	2535	11.15	12.50	1.365	-	-	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	38000	2595	14.58	15.20	1.153	62.9	1.006	-0.03	0.329	0.382
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	38000	2595	14.58	15.20	1.153	62.9	1.006	0.15	0.187	0.217
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	38000	2595	14.58	15.20	1.153	62.9	1.006	0.17	0.125	0.145
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	38000	2595	14.58	15.20	1.153	62.9	1.006	-0.18	0.129	0.150
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	38000	2595	14.52	15.20	1.169	62.9	1.006	0.09	0.432	0.508
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	38000	2595	14.52	15.20	1.169	62.9	1.006	-0.06	0.189	0.222
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	38000	2595	14.52	15.20	1.169	62.9	1.006	0.05	0.131	0.154
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	38000	2595	14.52	15.20	1.169	62.9	1.006	0.16	0.145	0.171
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	38000	2595	9.26	9.70	1.107	62.9	1.006	-0.06	0.065	0.072
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	38000	2595	9.26	9.70	1.107	62.9	1.006	-0.17	0.056	0.062
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	38000	2595	9.26	9.70	1.107	62.9	1.006	0.1	0.045	0.050
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	38000	2595	9.26	9.70	1.107	62.9	1.006	0.12	0.038	0.042
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	38000	2595	9.16	9.70	1.132	62.9	1.006	-0.1	0.113	0.129
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	38000	2595	9.16	9.70	1.132	62.9	1.006	0.12	0.061	0.069
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	38000	2595	9.16	9.70	1.132	62.9	1.006	0.09	0.048	0.055
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	38000	2595	9.16	9.70	1.132	62.9	1.006	0.03	0.041	0.047
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	38000	2595	23.79	25.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	38000	2595	23.79	25.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	38000	2595	23.79	25.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	38000	2595	23.79	25.00	1.321	62.9	1.006	-0.13	0.020	0.026
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	38000	2595	22.77	24.00	1.327	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	38000	2595	22.77	24.00	1.327	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	38000	2595	22.77	24.00	1.327	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	38000	2595	22.77	24.00	1.327	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	38000	2595	18.93	20.50	1.435	62.9	1.006	0.1	0.254	0.367
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	38000	2595	18.93	20.50	1.435	62.9	1.006	-0.17	0.055	0.079
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	38000	2595	18.93	20.50	1.435	62.9	1.006	-0.09	0.176	0.254
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	38000	2595	18.93	20.50	1.435	62.9	1.006	-0.1	0.048	0.069
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	38000	2595	18.77	20.50	1.489	62.9	1.006	0.08	0.364	0.545
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	38000	2595	18.77	20.50	1.489	62.9	1.006	0.13	0.058	0.087
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	38000	2595	18.77	20.50	1.489	62.9	1.006	-0.05	0.175	0.262
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	38000	2595	18.77	20.50	1.489	62.9	1.006	0.11	0.049	0.073
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	38000	2595	13.84	15.00	1.306	62.9	1.006	-0.18	0.050	0.066
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	38000	2595	13.84	15.00	1.306	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	38000	2595	13.84	15.00	1.306	62.9	1.006	0.09	0.064	0.084
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	38000	2595	13.84	15.00	1.306	62.9	1.006	-	n/a	n/a



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	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	38000	2595	13.79	15.00	1.321	62.9	1.006	-0.08	0.112	0.149
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	38000	2595	13.79	15.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	38000	2595	13.79	15.00	1.321	62.9	1.006	0.02	0.075	0.100
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	38000	2595	13.79	15.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 2	40620	2593	14.67	15.00	1.079	62.9	1.006	0.11	0.331	0.359
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 2	40620	2593	14.67	15.00	1.079	62.9	1.006	0.08	0.175	0.190
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 2	40620	2593	14.67	15.00	1.079	62.9	1.006	-0.08	0.144	0.156
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 2	40620	2593	14.67	15.00	1.079	62.9	1.006	-0.07	0.116	0.126
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 2	40620	2593	14.66	15.00	1.081	62.9	1.006	0.01	0.431	0.469
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 2	40620	2593	14.66	15.00	1.081	62.9	1.006	-0.04	0.182	0.198
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 2	40620	2593	14.66	15.00	1.081	62.9	1.006	-0.18	0.150	0.163
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 2	40620	2593	14.66	15.00	1.081	62.9	1.006	-0.15	0.118	0.128
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 13	DSI 3	40620	2593	9.17	9.50	1.079	62.9	1.006	0.16	0.065	0.071
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 13	DSI 3	40620	2593	9.17	9.50	1.079	62.9	1.006	0.19	0.051	0.055
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 13	DSI 3	40620	2593	9.17	9.50	1.079	62.9	1.006	0.1	0.038	0.041
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 13	DSI 3	40620	2593	9.17	9.50	1.079	62.9	1.006	-0.15	0.036	0.039
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 13	DSI 3	40620	2593	9.08	9.50	1.102	62.9	1.006	-0.06	0.112	0.124
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 13	DSI 3	40620	2593	9.08	9.50	1.102	62.9	1.006	-0.08	0.053	0.059
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 13	DSI 3	40620	2593	9.08	9.50	1.102	62.9	1.006	0.1	0.042	0.047
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 13	DSI 3	40620	2593	9.08	9.50	1.102	62.9	1.006	-0.06	0.040	0.044
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	40620	2593	23.82	25.00	1.312	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	40620	2593	23.82	25.00	1.312	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	40620	2593	23.82	25.00	1.312	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	40620	2593	23.82	25.00	1.312	62.9	1.006	-0.02	0.029	0.039
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 31	DSI 2/3	40620	2593	22.79	24.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 31	DSI 2/3	40620	2593	22.79	24.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 31	DSI 2/3	40620	2593	22.79	24.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 31	DSI 2/3	40620	2593	22.79	24.00	1.321	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 2	40620	2593	19.85	21.00	1.303	62.9	1.006	0.13	0.320	0.420
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 2	40620	2593	19.85	21.00	1.303	62.9	1.006	0.13	0.035	0.046
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 2	40620	2593	19.85	21.00	1.303	62.9	1.006	0.16	0.168	0.220
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 2	40620	2593	19.85	21.00	1.303	62.9	1.006	-0.15	0.048	0.063
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 2	40620	2593	19.57	21.00	1.390	62.9	1.006	-0.03	0.411	0.575
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 2	40620	2593	19.57	21.00	1.390	62.9	1.006	0.19	0.044	0.062
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 2	40620	2593	19.57	21.00	1.390	62.9	1.006	-0.14	0.178	0.249
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 2	40620	2593	19.57	21.00	1.390	62.9	1.006	0.07	0.052	0.073
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 25	DSI 3	40620	2593	14.41	15.50	1.285	62.9	1.006	0.18	0.092	0.119
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 25	DSI 3	40620	2593	14.41	15.50	1.285	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 25	DSI 3	40620	2593	14.41	15.50	1.285	62.9	1.006	0.07	0.051	0.066
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 25	DSI 3	40620	2593	14.41	15.50	1.285	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 25	DSI 3	40620	2593	14.25	15.50	1.334	62.9	1.006	-0.15	0.125	0.168
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 25	DSI 3	40620	2593	14.25	15.50	1.334	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 25	DSI 3	40620	2593	14.25	15.50	1.334	62.9	1.006	-0.1	0.058	0.078
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 25	DSI 3	40620	2593	14.25	15.50	1.334	62.9	1.006	-	n/a	n/a
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 13	DSI 2	507000	2535	14.43	15.30	1.222	-	-	-0.12	0.589	0.720
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 13	DSI 2	507000	2535	14.43	15.30	1.222	-	-	-0.15	0.305	0.373
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 13	DSI 2	507000	2535	14.43	15.30	1.222	-	-	-0.16	0.191	0.233
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 13	DSI 2	507000	2535	14.43	15.30	1.222	-	-	-0.06	0.196	0.239
	FR1 n7	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 13	DSI 2	507000	2535	14.14	15.30	1.306	-	-	0.03	0.418	0.546
	FR1 n7	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 13	DSI 2	507000	2535	14.14	15.30	1.306	-	-	0.16	0.285	0.372
	FR1 n7	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 13	DSI 2	507000	2535	14.14	15.30	1.306	-	-	-0.12	0.173	0.226
	FR1 n7	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 13	DSI 2	507000	2535	14.14	15.30	1.306	-	-	0.04	0.179	0.234
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Cheek	0mm	Ant 13	DSI 3	507000	2535	8.74	9.80	1.276	-	-	-0.07	0.088	0.112
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Tilted	0mm	Ant 13	DSI 3	507000	2535	8.74	9.80	1.276	-	-	0.12	0.084	0.107
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Cheek	0mm	Ant 13	DSI 3	507000	2535	8.74	9.80	1.276	-	-	-0.01	0.053	0.068
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Tilted	0mm	Ant 13	DSI 3	507000	2535	8.74	9.80	1.276	-	-	0.17	0.047	0.060



FCC SAR Test Report

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FR1 n7	20M	BPSK	50	28	DFT-15	Right Cheek	0mm	Ant 13	DSI 3	507000	2535	8.51	9.80	1.346	-	-	0.02	0.083	0.112
FR1 n7	20M	BPSK	50	28	DFT-15	Right Tilted	0mm	Ant 13	DSI 3	507000	2535	8.51	9.80	1.346	-	-	0.13	0.079	0.106
FR1 n7	20M	BPSK	50	28	DFT-15	Left Cheek	0mm	Ant 13	DSI 3	507000	2535	8.51	9.80	1.346	-	-	0.12	0.052	0.070
FR1 n7	20M	BPSK	50	28	DFT-15	Left Tilted	0mm	Ant 13	DSI 3	507000	2535	8.51	9.80	1.346	-	-	0.1	0.043	0.058
3500~3900MHz																			
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	13.52	14.00	1.117	-	-	-0.07	0.252	0.281
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	13.52	14.00	1.117	-	-	-0.05	0.175	0.195
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	13.52	14.00	1.117	-	-	-0.12	0.068	0.076
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	13.52	14.00	1.117	-	-	0.02	0.075	0.084
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	633334	3500.01	13.41	14.00	1.146	-	-	0.13	0.354	0.406
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	633334	3500.01	13.41	14.00	1.146	-	-	-0.17	0.181	0.207
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	633334	3500.01	13.41	14.00	1.146	-	-	0.1	0.069	0.079
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	633334	3500.01	13.41	14.00	1.146	-	-	-0.15	0.078	0.089
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	8.23	9.00	1.194	-	-	0.19	0.076	0.091
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	8.23	9.00	1.194	-	-	-0.08	0.052	0.062
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	8.23	9.00	1.194	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	8.23	9.00	1.194	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	633334	3500.01	8.19	9.00	1.205	-	-	0.12	0.085	0.102
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	633334	3500.01	8.19	9.00	1.205	-	-	0.03	0.065	0.078
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	633334	3500.01	8.19	9.00	1.205	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	633334	3500.01	8.19	9.00	1.205	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	650000	3750	12.93	14.00	1.279	-	-	0.07	0.213	0.273
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	650000	3750	12.93	14.00	1.279	-	-	0.02	0.151	0.193
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	650000	3750	12.93	14.00	1.279	-	-	0.07	0.070	0.090
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	650000	3750	12.93	14.00	1.279	-	-	-0.16	0.064	0.082
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 2	650000	3750	12.76	14.00	1.330	-	-	-0.04	0.177	0.235
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 2	650000	3750	12.76	14.00	1.330	-	-	0.06	0.124	0.165
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 2	650000	3750	12.76	14.00	1.330	-	-	0.17	0.060	0.080
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 2	650000	3750	12.76	14.00	1.330	-	-	-0.15	0.052	0.069
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	650000	3750	8.14	9.00	1.219	-	-	0.11	0.065	0.079
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	650000	3750	8.14	9.00	1.219	-	-	-0.02	0.045	0.055
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	650000	3750	8.14	9.00	1.219	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	650000	3750	8.14	9.00	1.219	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 12	DSI 3	650000	3750	8.09	9.00	1.233	-	-	-0.08	0.057	0.070
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 12	DSI 3	650000	3750	8.09	9.00	1.233	-	-	-0.07	0.043	0.053
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 12	DSI 3	650000	3750	8.09	9.00	1.233	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 12	DSI 3	650000	3750	8.09	9.00	1.233	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	15.06	15.80	1.186	-	-	-0.19	0.083	0.098
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	15.06	15.80	1.186	-	-	0.14	0.032	0.038
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	15.06	15.80	1.186	-	-	-0.08	0.302	0.358
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	15.06	15.80	1.186	-	-	0.15	0.096	0.114
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	633334	3500.01	14.91	15.80	1.227	-	-	0.17	0.087	0.107
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	633334	3500.01	14.91	15.80	1.227	-	-	0.04	0.046	0.056
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	633334	3500.01	14.91	15.80	1.227	-	-	0.15	0.319	0.392
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	633334	3500.01	14.91	15.80	1.227	-	-	0.15	0.106	0.130
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	10.16	10.80	1.159	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	10.16	10.80	1.159	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	10.16	10.80	1.159	-	-	0.02	0.061	0.071
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	10.16	10.80	1.159	-	-	0.08	0.044	0.051
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	633334	3500.01	10.07	10.80	1.183	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	633334	3500.01	10.07	10.80	1.183	-	-	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	633334	3500.01	10.07	10.80	1.183	-	-	0.18	0.073	0.086
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	633334	3500.01	10.07	10.80	1.183	-	-	-0.19	0.045	0.053
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	650000	3750	14.95	15.80	1.216	-	-	0.14	0.068	0.083
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	650000	3750	14.95	15.80	1.216	-	-	0.09	0.038	0.046
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	650000	3750	14.95	15.80	1.216	-	-	-0.01	0.204	0.248



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FR1 n78(Part 270)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	650000	3750	14.95	15.80	1.216	-	-	0.09	0.090	0.109
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 2	650000	3750	14.75	15.80	1.274	-	-	-0.03	0.070	0.089
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 2	650000	3750	14.75	15.80	1.274	-	-	-0.19	0.039	0.050
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 2	650000	3750	14.75	15.80	1.274	-	-	-0.01	0.208	0.265
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 2	650000	3750	14.75	15.80	1.274	-	-	-0.16	0.093	0.118
FR1 n78(Part 270)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	650000	3750	10.11	10.80	1.172	-	-	-	n/a	n/a
FR1 n78(Part 270)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	650000	3750	10.11	10.80	1.172	-	-	-	n/a	n/a
FR1 n78(Part 270)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	650000	3750	10.11	10.80	1.172	-	-	0.03	0.060	0.070
FR1 n78(Part 270)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	650000	3750	10.11	10.80	1.172	-	-	-	n/a	n/a
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 24	DSI 3	650000	3750	10.05	10.80	1.189	-	-	-	n/a	n/a
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 24	DSI 3	650000	3750	10.05	10.80	1.189	-	-	-	n/a	n/a
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 24	DSI 3	650000	3750	10.05	10.80	1.189	-	-	0.16	0.078	0.093
FR1 n78(Part 270)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 24	DSI 3	650000	3750	10.05	10.80	1.189	-	-	-	n/a	n/a

<EN-DC SRS SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.42	20.50	25.0	8.5	0.02	0.165	0.051
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.42	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.42	20.50	25.0	8.5	-0.15	0.107	0.033
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.42	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.30	20.50	25.0	8.5	0.04	0.263	0.083
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.30	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	633334	3500.01	19.30	20.50	25.0	8.5	0.03	0.100	0.032
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	633334	3500.01	19.30	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	633334	3500.01	14.35	15.00	25.0	8.5	0.15	0.032	0.032
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	633334	3500.01	14.35	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	633334	3500.01	14.35	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	633334	3500.01	14.35	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	633334	3500.01	14.31	15.00	25.0	8.5	-0.03	0.045	0.045
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	633334	3500.01	14.31	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	633334	3500.01	14.31	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	633334	3500.01	14.31	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	650000	3750	19.71	20.50	25.0	8.5	-0.02	0.133	0.038
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	650000	3750	19.71	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	650000	3750	19.71	20.50	25.0	8.5	-0.18	0.082	0.024
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	650000	3750	19.71	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 2	650000	3750	19.68	20.50	25.0	8.5	-0.17	0.100	0.029
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 2	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 2	650000	3750	19.68	20.50	25.0	8.5	0.06	0.063	0.018
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 2	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	650000	3750	13.95	15.00	25.0	8.5	0.01	0.057	0.062
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	650000	3750	13.95	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	650000	3750	13.95	15.00	25.0	8.5	-0.06	0.042	0.045
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	650000	3750	13.95	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 101	DSI 3	650000	3750	13.92	15.00	25.0	8.5	0.15	0.047	0.051
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 101	DSI 3	650000	3750	13.92	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 101	DSI 3	650000	3750	13.92	15.00	25.0	8.5	0.18	0.038	0.041
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 101	DSI 3	650000	3750	13.92	15.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	633334	3500.01	17.75	19.00	24.5	8.5	0.18	0.075	0.030
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	633334	3500.01	17.75	19.00	24.5	8.5	-0.07	0.100	0.040
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	633334	3500.01	17.75	19.00	24.5	8.5	-0.09	0.191	0.077
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	633334	3500.01	17.75	19.00	24.5	8.5	-0.04	0.192	0.077
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	633334	3500.01	17.53	19.00	24.5	8.5	0.08	0.067	0.028
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	633334	3500.01	17.53	19.00	24.5	8.5	-0.03	0.084	0.036
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	633334	3500.01	17.53	19.00	24.5	8.5	0.05	0.242	0.102



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FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	633334	3500.01	17.53	19.00	24.5	8.5	0.11	0.313	0.132
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	633334	3500.01	12.43	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	633334	3500.01	12.43	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	633334	3500.01	12.43	13.50	24.5	8.5	0.1	0.069	0.088
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	633334	3500.01	12.43	13.50	24.5	8.5	-0.02	0.064	0.082
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	633334	3500.01	12.26	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	633334	3500.01	12.26	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	633334	3500.01	12.26	13.50	24.5	8.5	0.1	0.071	0.094
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	633334	3500.01	12.26	13.50	24.5	8.5	0.03	0.065	0.086
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	650000	3750	17.30	19.00	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	650000	3750	17.30	19.00	24.5	8.5	0.18	0.041	0.018
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	650000	3750	17.30	19.00	24.5	8.5	-0.04	0.075	0.033
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	650000	3750	17.30	19.00	24.5	8.5	-0.14	0.078	0.035
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 2	650000	3750	17.12	19.00	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 2	650000	3750	17.12	19.00	24.5	8.5	0.19	0.044	0.020
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 2	650000	3750	17.12	19.00	24.5	8.5	-0.11	0.057	0.027
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 2	650000	3750	17.12	19.00	24.5	8.5	0.14	0.066	0.031
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	650000	3750	11.66	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	650000	3750	11.66	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	650000	3750	11.66	13.50	24.5	8.5	-0.09	0.033	0.050
FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	650000	3750	11.66	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 103	DSI 3	650000	3750	11.53	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 103	DSI 3	650000	3750	11.53	13.50	24.5	8.5	-	n/a	n/a
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 103	DSI 3	650000	3750	11.53	13.50	24.5	8.5	-0.07	0.030	0.047
FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 103	DSI 3	650000	3750	11.53	13.50	24.5	8.5	-	n/a	n/a

**15.2 Hotspot 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	23095	707.5	21.95	23.00	1.274	-	-	-0.02	0.144	0.183
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	23095	707.5	21.95	23.00	1.274	-	-	-0.12	0.215	0.274
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	23095	707.5	21.95	23.00	1.274	-	-	0.19	0.350	0.446
	LTE Band 12	10M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	23095	707.5	21.95	23.00	1.274	-	-	-	n/a	n/a
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 11	DSI 8	23095	707.5	21.85	23.00	1.303	-	-	-0.18	0.170	0.222
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 11	DSI 8	23095	707.5	21.85	23.00	1.303	-	-	-0.08	0.250	0.326
34	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 11	DSI 8	23095	707.5	21.85	23.00	1.303	-	-	-0.02	0.379	0.494
	LTE Band 12	10M	QPSK	25	0	-	Top Side	10mm	Ant 11	DSI 8	23095	707.5	21.85	23.00	1.303	-	-	-	n/a	n/a
	LTE Band 12	10M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	23095	707.5	23.78	25.20	1.387	-	-	-0.19	0.221	0.306
	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	23095	707.5	23.78	25.20	1.387	-	-	-0.15	0.232	0.322
	LTE Band 12	10M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	23095	707.5	23.78	25.20	1.387	-	-	0.03	0.044	0.061
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	23095	707.5	23.78	25.20	1.387	-	-	-0.01	0.180	0.250
	LTE Band 12	10M	QPSK	25	0	-	Front	10mm	Ant 41	DSI 8	23095	707.5	22.75	24.20	1.396	-	-	0.19	0.199	0.278
	LTE Band 12	10M	QPSK	25	0	-	Back	10mm	Ant 41	DSI 8	23095	707.5	22.75	24.20	1.396	-	-	-0.05	0.227	0.317
	LTE Band 12	10M	QPSK	25	0	-	Left Side	10mm	Ant 41	DSI 8	23095	707.5	22.75	24.20	1.396	-	-	0.06	0.041	0.057
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 41	DSI 8	23095	707.5	22.75	24.20	1.396	-	-	0.01	0.162	0.226
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	23230	782	22.04	23.00	1.247	-	-	0.04	0.138	0.172
	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	23230	782	22.04	23.00	1.247	-	-	0.18	0.209	0.261
	LTE Band 13	10M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	23230	782	22.04	23.00	1.247	-	-	-0.12	0.277	0.346
	LTE Band 13	10M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	23230	782	22.04	23.00	1.247	-	-	-	n/a	n/a
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 11	DSI 8	23230	782	21.87	23.00	1.297	-	-	-0.02	0.142	0.184
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 11	DSI 8	23230	782	21.87	23.00	1.297	-	-	-0.07	0.210	0.272
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 11	DSI 8	23230	782	21.87	23.00	1.297	-	-	0.01	0.349	0.453
	LTE Band 13	10M	QPSK	25	0	-	Top Side	10mm	Ant 11	DSI 8	23230	782	21.87	23.00	1.297	-	-	-	n/a	n/a
	LTE Band 13	10M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	23230	782	23.94	25.30	1.368	-	-	0.16	0.417	0.570
35	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	23230	782	23.94	25.30	1.368	-	-	-0.03	0.475	0.650
	LTE Band 13	10M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	23230	782	23.94	25.30	1.368	-	-	-0.12	0.102	0.140
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	23230	782	23.94	25.30	1.368	-	-	-0.03	0.285	0.390
	LTE Band 13	10M	QPSK	25	0	-	Front	10mm	Ant 41	DSI 8	23230	782	22.82	24.30	1.406	-	-	0.18	0.319	0.449
	LTE Band 13	10M	QPSK	25	0	-	Back	10mm	Ant 41	DSI 8	23230	782	22.82	24.30	1.406	-	-	0.01	0.389	0.547
	LTE Band 13	10M	QPSK	25	0	-	Left Side	10mm	Ant 41	DSI 8	23230	782	22.82	24.30	1.406	-	-	0.14	0.076	0.107
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 41	DSI 8	23230	782	22.82	24.30	1.406	-	-	0.09	0.215	0.302
	LTE Band 17	10M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	23790	710	21.86	23.00	1.300	-	-	0.13	0.158	0.205
	LTE Band 17	10M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	23790	710	21.86	23.00	1.300	-	-	0.14	0.230	0.299
	LTE Band 17	10M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	23790	710	21.86	23.00	1.300	-	-	-0.18	0.369	0.480
	LTE Band 17	10M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	23790	710	21.86	23.00	1.300	-	-	-	n/a	n/a
	LTE Band 17	10M	QPSK	25	0	-	Front	10mm	Ant 11	DSI 8	23790	710	21.79	23.00	1.321	-	-	0.09	0.174	0.230
	LTE Band 17	10M	QPSK	25	0	-	Back	10mm	Ant 11	DSI 8	23790	710	21.79	23.00	1.321	-	-	-0.13	0.250	0.330
36	LTE Band 17	10M	QPSK	25	0	-	Left Side	10mm	Ant 11	DSI 8	23790	710	21.79	23.00	1.321	-	-	-0.16	0.394	0.521
	LTE Band 17	10M	QPSK	25	0	-	Top Side	10mm	Ant 11	DSI 8	23790	710	21.79	23.00	1.321	-	-	-	n/a	n/a
	LTE Band 17	10M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	23790	710	23.75	25.00	1.334	-	-	0.16	0.226	0.301
	LTE Band 17	10M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	23790	710	23.75	25.00	1.334	-	-	0.02	0.242	0.323
	LTE Band 17	10M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	23790	710	23.75	25.00	1.334	-	-	-0.09	0.053	0.071
	LTE Band 17	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	23790	710	23.75	25.00	1.334	-	-	-0.1	0.207	0.276
	LTE Band 17	10M	QPSK	25	0	-	Front	10mm	Ant 41	DSI 8	23790	710	22.88	24.00	1.294	-	-	-0.03	0.206	0.267
	LTE Band 17	10M	QPSK	25	0	-	Back	10mm	Ant 41	DSI 8	23790	710	22.88	24.00	1.294	-	-	-0.03	0.225	0.291
	LTE Band 17	10M	QPSK	25	0	-	Left Side	10mm	Ant 41	DSI 8	23790	710	22.88	24.00	1.294	-	-	0.15	0.051	0.066
	LTE Band 17	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 41	DSI 8	23790	710	22.88	24.00	1.294	-	-	-0.07	0.179	0.232
835MHz																				
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	10mm	Ant 11	DSI 8	189	836.4	27.04	29.00	1.570	-	-	0.12	0.116	0.182
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	10mm	Ant 11	DSI 8	189	836.4	27.04	29.00	1.570	-	-	-0.06	0.158	0.248



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37	GSM850	-	-	-	-	GPRS(2 Tx slots)	Left Side	10mm	Ant 11	DSI 8	189	836.4	27.04	29.00	1.570	-	-	-0.08	0.211	0.331
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Top Side	10mm	Ant 11	DSI 8	189	836.4	27.04	29.00	1.570	-	-	-	n/a	n/a
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Front	10mm	Ant 11	DSI 8	384	836.52	21.12	22.50	1.374	-	-	0.13	0.180	0.247
38	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Back	10mm	Ant 11	DSI 8	384	836.52	21.12	22.50	1.374	-	-	-0.06	0.366	0.503
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Left Side	10mm	Ant 11	DSI 8	384	836.52	21.12	22.50	1.374	-	-	0.12	0.213	0.293
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Top Side	10mm	Ant 11	DSI 8	384	836.52	21.12	22.50	1.374	-	-	-	n/a	n/a
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Front	10mm	Ant 41	DSI 8	384	836.52	21.87	23.00	1.297	-	-	-0.08	0.255	0.331
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Back	10mm	Ant 41	DSI 8	384	836.52	21.87	23.00	1.297	-	-	0.15	0.309	0.401
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Left Side	10mm	Ant 41	DSI 8	384	836.52	21.87	23.00	1.297	-	-	-0.02	0.051	0.066
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Bottom Side	10mm	Ant 41	DSI 8	384	836.52	21.87	23.00	1.297	-	-	0.12	0.226	0.293
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 11	DSI 8	4182	836.4	21.38	23.00	1.452	-	-	-0.02	0.189	0.274
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 11	DSI 8	4182	836.4	21.38	23.00	1.452	-	-	0.17	0.292	0.424
39	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 11	DSI 8	4182	836.4	21.38	23.00	1.452	-	-	0.04	0.421	0.611
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 11	DSI 8	4182	836.4	21.38	23.00	1.452	-	-	-	n/a	n/a
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 41	DSI 8	4182	836.4	21.99	23.50	1.416	-	-	0.05	0.272	0.385
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 41	DSI 8	4182	836.4	21.99	23.50	1.416	-	-	-0.15	0.337	0.477
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 41	DSI 8	4182	836.4	21.99	23.50	1.416	-	-	-	n/a	n/a
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 41	DSI 8	4182	836.4	21.99	23.50	1.416	-	-	0.19	0.195	0.276
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	20525	836.5	21.99	23.00	1.262	-	-	-0.08	0.210	0.265
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	20525	836.5	21.99	23.00	1.262	-	-	0.02	0.295	0.372
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	20525	836.5	21.99	23.00	1.262	-	-	0.08	0.344	0.434
	LTE Band 5	10M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	20525	836.5	21.99	23.00	1.262	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 11	DSI 8	20525	836.5	21.98	23.00	1.265	-	-	-0.1	0.215	0.272
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 11	DSI 8	20525	836.5	21.98	23.00	1.265	-	-	-0.02	0.297	0.376
40	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 11	DSI 8	20525	836.5	21.98	23.00	1.265	-	-	0.02	0.439	0.555
	LTE Band 5	10M	QPSK	25	0	-	Top Side	10mm	Ant 11	DSI 8	20525	836.5	21.98	23.00	1.265	-	-	-0.19	0.023	0.029
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	20525	836.5	23.95	25.00	1.274	-	-	0.13	0.298	0.380
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	20525	836.5	23.95	25.00	1.274	-	-	-0.13	0.304	0.387
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	20525	836.5	23.95	25.00	1.274	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	20525	836.5	23.95	25.00	1.274	-	-	0.16	0.217	0.276
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 41	DSI 8	20525	836.5	22.98	24.00	1.265	-	-	-0.01	0.316	0.400
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 41	DSI 8	20525	836.5	22.98	24.00	1.265	-	-	-0.19	0.357	0.452
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 41	DSI 8	20525	836.5	22.98	24.00	1.265	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 41	DSI 8	20525	836.5	22.98	24.00	1.265	-	-	0.1	0.231	0.292
	LTE Band 18	15M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	23925	822.5	21.85	23.00	1.303	-	-	-0.06	0.188	0.245
	LTE Band 18	15M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	23925	822.5	21.85	23.00	1.303	-	-	0.12	0.268	0.349
	LTE Band 18	15M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	23925	822.5	21.85	23.00	1.303	-	-	-0.1	0.357	0.465
	LTE Band 18	15M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	23925	822.5	21.85	23.00	1.303	-	-	-	n/a	n/a
	LTE Band 18	15M	QPSK	36	0	-	Front	10mm	Ant 11	DSI 8	23925	822.5	21.76	23.00	1.330	-	-	-0.19	0.196	0.261
	LTE Band 18	15M	QPSK	36	0	-	Back	10mm	Ant 11	DSI 8	23925	822.5	21.76	23.00	1.330	-	-	0.09	0.274	0.365
41	LTE Band 18	15M	QPSK	36	0	-	Left Side	10mm	Ant 11	DSI 8	23925	822.5	21.76	23.00	1.330	-	-	0.03	0.427	0.568
	LTE Band 18	15M	QPSK	36	0	-	Top Side	10mm	Ant 11	DSI 8	23925	822.5	21.76	23.00	1.330	-	-	-	n/a	n/a
	LTE Band 18	15M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	23925	822.5	22.91	24.00	1.285	-	-	-0.03	0.201	0.258
	LTE Band 18	15M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	23925	822.5	22.91	24.00	1.285	-	-	0.08	0.261	0.335
	LTE Band 18	15M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	23925	822.5	22.91	24.00	1.285	-	-	-	n/a	n/a
	LTE Band 18	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	23925	822.5	22.91	24.00	1.285	-	-	0.03	0.102	0.131
	LTE Band 18	15M	QPSK	36	0	-	Front	10mm	Ant 41	DSI 8	23925	822.5	22.90	24.00	1.288	-	-	0.15	0.225	0.290
	LTE Band 18	15M	QPSK	36	0	-	Back	10mm	Ant 41	DSI 8	23925	822.5	22.90	24.00	1.288	-	-	0.1	0.236	0.304
	LTE Band 18	15M	QPSK	36	0	-	Left Side	10mm	Ant 41	DSI 8	23925	822.5	22.90	24.00	1.288	-	-	-	n/a	n/a
	LTE Band 18	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 41	DSI 8	23925	822.5	22.90	24.00	1.288	-	-	-0.11	0.135	0.174
	LTE Band 19	15M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	24075	837.5	21.69	23.00	1.352	-	-	0.01	0.249	0.337
	LTE Band 19	15M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	24075	837.5	21.69	23.00	1.352	-	-	-0.03	0.285	0.385
	LTE Band 19	15M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	24075	837.5	21.69	23.00	1.352	-	-	0.04	0.340	0.460
	LTE Band 19	15M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	24075	837.5	21.69	23.00	1.352	-	-	-	n/a	n/a
	LTE Band 19	15M	QPSK	36	0	-	Front	10mm	Ant 11	DSI 8	24075	837.5	21.61	23.00	1.377	-	-	0.06	0.258	0.355
	LTE Band 19	15M	QPSK	36	0	-	Back	10mm	Ant 11	DSI 8	24075	837.5	21.61	23.00	1.377	-	-	-0.14	0.297	0.409



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42	LTE Band 19	15M	QPSK	36	0	-	Left Side	10mm	Ant 11	DSI 8	24075	837.5	21.61	23.00	1.377	-	-	0.04	0.431	0.594
	LTE Band 19	15M	QPSK	36	0	-	Top Side	10mm	Ant 11	DSI 8	24075	837.5	21.61	23.00	1.377	-	-	-	n/a	n/a
	LTE Band 19	15M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	24075	837.5	22.89	24.00	1.291	-	-	-0.18	0.277	0.358
	LTE Band 19	15M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	24075	837.5	22.89	24.00	1.291	-	-	0.14	0.316	0.408
	LTE Band 19	15M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	24075	837.5	22.89	24.00	1.291	-	-	-0.07	0.045	0.058
	LTE Band 19	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	24075	837.5	22.89	24.00	1.291	-	-	-0.05	0.152	0.196
	LTE Band 19	15M	QPSK	36	0	-	Front	10mm	Ant 41	DSI 8	24075	837.5	22.85	24.00	1.303	-	-	-0.09	0.300	0.391
	LTE Band 19	15M	QPSK	36	0	-	Back	10mm	Ant 41	DSI 8	24075	837.5	22.85	24.00	1.303	-	-	0.11	0.327	0.426
	LTE Band 19	15M	QPSK	36	0	-	Left Side	10mm	Ant 41	DSI 8	24075	837.5	22.85	24.00	1.303	-	-	0.02	0.050	0.065
	LTE Band 19	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 41	DSI 8	24075	837.5	22.85	24.00	1.303	-	-	-0.14	0.174	0.227
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	26865	831.5	20.86	22.00	1.300	-	-	0.13	0.165	0.215
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	26865	831.5	20.86	22.00	1.300	-	-	0.11	0.225	0.293
	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	26865	831.5	20.86	22.00	1.300	-	-	-0.13	0.337	0.438
	LTE Band 26	15M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	26865	831.5	20.86	22.00	1.300	-	-	-	n/a	n/a
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 11	DSI 8	26865	831.5	20.73	22.00	1.340	-	-	-0.18	0.200	0.268
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 11	DSI 8	26865	831.5	20.73	22.00	1.340	-	-	-0.15	0.238	0.319
43	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 11	DSI 8	26865	831.5	20.73	22.00	1.340	-	-	-0.02	0.393	0.526
	LTE Band 26	15M	QPSK	36	0	-	Top Side	10mm	Ant 11	DSI 8	26865	831.5	20.73	22.00	1.340	-	-	-	n/a	n/a
	LTE Band 26	15M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	26865	831.5	22.86	24.00	1.300	-	-	0.08	0.250	0.325
	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	26865	831.5	22.86	24.00	1.300	-	-	0.16	0.268	0.348
	LTE Band 26	15M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	26865	831.5	22.86	24.00	1.300	-	-	-0.1	0.044	0.057
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	26865	831.5	22.86	24.00	1.300	-	-	-0.03	0.186	0.242
	LTE Band 26	15M	QPSK	36	0	-	Front	10mm	Ant 41	DSI 8	26865	831.5	21.86	23.00	1.300	-	-	-0.13	0.168	0.218
	LTE Band 26	15M	QPSK	36	0	-	Back	10mm	Ant 41	DSI 8	26865	831.5	21.86	23.00	1.300	-	-	0.07	0.230	0.299
	LTE Band 26	15M	QPSK	36	0	-	Left Side	10mm	Ant 41	DSI 8	26865	831.5	21.86	23.00	1.300	-	-	-	n/a	n/a
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	10mm	Ant 41	DSI 8	26865	831.5	21.86	23.00	1.300	-	-	0.04	0.160	0.208
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 11	DSI 8	167300	836.5	20.35	21.00	1.161	-	-	0.16	0.142	0.165
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 11	DSI 8	167300	836.5	20.35	21.00	1.161	-	-	0.04	0.198	0.230
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 11	DSI 8	167300	836.5	20.35	21.00	1.161	-	-	-0.05	0.282	0.328
	FR1 n5	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 11	DSI 8	167300	836.5	20.35	21.00	1.161	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 11	DSI 8	167300	836.5	20.32	21.00	1.169	-	-	0.15	0.138	0.161
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 11	DSI 8	167300	836.5	20.32	21.00	1.169	-	-	0.09	0.192	0.225
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 11	DSI 8	167300	836.5	20.32	21.00	1.169	-	-	-0.14	0.222	0.260
	FR1 n5	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 11	DSI 8	167300	836.5	20.32	21.00	1.169	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 41	DSI 8	167300	836.5	22.71	23.50	1.199	-	-	0.16	0.234	0.281
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 41	DSI 8	167300	836.5	22.71	23.50	1.199	-	-	0.17	0.306	0.367
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 41	DSI 8	167300	836.5	22.71	23.50	1.199	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 41	DSI 8	167300	836.5	22.71	23.50	1.199	-	-	-0.05	0.180	0.216
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 41	DSI 8	167300	836.5	22.59	23.50	1.233	-	-	-0.12	0.269	0.332
44	FR1 n5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 41	DSI 8	167300	836.5	22.59	23.50	1.233	-	-	0.05	0.337	0.416
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 41	DSI 8	167300	836.5	22.59	23.50	1.233	-	-	0.02	0.044	0.054
	FR1 n5	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 41	DSI 8	167300	836.5	22.59	23.50	1.233	-	-	-0.02	0.201	0.248
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 13	DSI 8	1413	1732.6	14.92	16.50	1.439	-	-	0.14	0.158	0.227
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 13	DSI 8	1413	1732.6	14.92	16.50	1.439	-	-	-0.13	0.137	0.197
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 13	DSI 8	1413	1732.6	14.92	16.50	1.439	-	-	-	n/a	n/a
45	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 13	DSI 8	1413	1732.6	14.92	16.50	1.439	-	-	0.06	0.386	0.555
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 31	DSI 8	1413	1732.6	18.65	20.00	1.365	-	-	-0.05	0.139	0.190
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 31	DSI 8	1413	1732.6	18.65	20.00	1.365	-	-	0.02	0.240	0.327
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 31	DSI 8	1413	1732.6	18.65	20.00	1.365	-	-	0.19	0.103	0.141
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 31	DSI 8	1413	1732.6	18.65	20.00	1.365	-	-	0.17	0.346	0.472
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	20175	1732.5	15.59	16.50	1.233	-	-	-0.09	0.158	0.195
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	20175	1732.5	15.59	16.50	1.233	-	-	0.13	0.133	0.164
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	20175	1732.5	15.59	16.50	1.233	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	20175	1732.5	15.59	16.50	1.233	-	-	-0.06	0.387	0.477
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	20175	1732.5	15.58	16.50	1.236	-	-	0.16	0.163	0.201



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	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	20175	1732.5	15.58	16.50	1.236	-	-	-0.08	0.167	0.206
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	20175	1732.5	15.58	16.50	1.236	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	20175	1732.5	15.58	16.50	1.236	-	-	-0.01	0.394	0.487
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	20175	1732.5	19.37	20.00	1.156	-	-	0.03	0.143	0.165
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	20175	1732.5	19.37	20.00	1.156	-	-	0.01	0.252	0.291
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	20175	1732.5	19.37	20.00	1.156	-	-	0.16	0.109	0.126
	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	20175	1732.5	19.37	20.00	1.156	-	-	0.16	0.338	0.391
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	20175	1732.5	19.19	20.00	1.205	-	-	-0.12	0.148	0.178
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	20175	1732.5	19.19	20.00	1.205	-	-	0.03	0.259	0.312
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	20175	1732.5	19.19	20.00	1.205	-	-	-0.16	0.120	0.145
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	20175	1732.5	19.19	20.00	1.205	-	-	-0.1	0.344	0.415
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	20175	1732.5	18.26	19.00	1.186	-	-	-0.07	0.149	0.177
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	20175	1732.5	18.26	19.00	1.186	-	-	0.07	0.181	0.215
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	20175	1732.5	18.26	19.00	1.186	-	-	-0.08	0.337	0.400
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	20175	1732.5	18.26	19.00	1.186	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	20175	1732.5	17.95	19.00	1.274	-	-	0.18	0.151	0.192
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	20175	1732.5	17.95	19.00	1.274	-	-	-0.14	0.179	0.228
46	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	20175	1732.5	17.95	19.00	1.274	-	-	0.08	0.416	0.530
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	20175	1732.5	17.95	19.00	1.274	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	132322	1745	15.88	16.50	1.153	-	-	0.07	0.165	0.190
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	132322	1745	15.88	16.50	1.153	-	-	0.02	0.134	0.155
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	132322	1745	15.88	16.50	1.153	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	132322	1745	15.88	16.50	1.153	-	-	-0.13	0.395	0.456
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	132322	1745	15.63	16.50	1.222	-	-	-0.15	0.158	0.193
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	132322	1745	15.63	16.50	1.222	-	-	0.11	0.135	0.165
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	132322	1745	15.63	16.50	1.222	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	132322	1745	15.63	16.50	1.222	-	-	0.07	0.401	0.490
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	132322	1745	19.39	20.00	1.151	-	-	-0.11	0.144	0.166
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	132322	1745	19.39	20.00	1.151	-	-	0.08	0.253	0.291
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	132322	1745	19.39	20.00	1.151	-	-	-0.07	0.103	0.119
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	132322	1745	19.39	20.00	1.151	-	-	-0.14	0.361	0.415
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	132322	1745	19.25	20.00	1.189	-	-	-0.11	0.148	0.176
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	132322	1745	19.25	20.00	1.189	-	-	-0.05	0.261	0.310
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	132322	1745	19.25	20.00	1.189	-	-	0.14	0.104	0.124
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	132322	1745	19.25	20.00	1.189	-	-	0.14	0.420	0.499
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	132322	1745	17.48	18.50	1.265	-	-	0.02	0.134	0.169
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	132322	1745	17.48	18.50	1.265	-	-	0.1	0.120	0.152
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	132322	1745	17.48	18.50	1.265	-	-	0.14	0.309	0.391
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	132322	1745	17.48	18.50	1.265	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	132322	1745	17.45	18.50	1.274	-	-	-0.14	0.168	0.214
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	132322	1745	17.45	18.50	1.274	-	-	-0.15	0.139	0.177
47	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	132322	1745	17.45	18.50	1.274	-	-	0.08	0.419	0.534
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	132322	1745	17.45	18.50	1.274	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	10mm	Ant 13	DSI 8	349000	1745	14.19	14.80	1.151	-	-	0.08	0.100	0.115
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	10mm	Ant 13	DSI 8	349000	1745	14.19	14.80	1.151	-	-	-0.16	0.090	0.104
	FR1 n66	30M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 13	DSI 8	349000	1745	14.19	14.80	1.151	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 13	DSI 8	349000	1745	14.19	14.80	1.151	-	-	0.08	0.238	0.274
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	10mm	Ant 13	DSI 8	349000	1745	13.96	14.80	1.213	-	-	0.02	0.101	0.123
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	10mm	Ant 13	DSI 8	349000	1745	13.96	14.80	1.213	-	-	0.1	0.092	0.112
	FR1 n66	30M	BPSK	80	40	DFT-15	Left Side	10mm	Ant 13	DSI 8	349000	1745	13.96	14.80	1.213	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	10mm	Ant 13	DSI 8	349000	1745	13.96	14.80	1.213	-	-	-0.12	0.258	0.313
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	10mm	Ant 31	DSI 8	349000	1745	17.58	18.50	1.236	-	-	0.12	0.100	0.124
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	10mm	Ant 31	DSI 8	349000	1745	17.58	18.50	1.236	-	-	-0.09	0.182	0.225
	FR1 n66	30M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 31	DSI 8	349000	1745	17.58	18.50	1.236	-	-	-0.15	0.077	0.095
	FR1 n66	30M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	349000	1745	17.58	18.50	1.236	-	-	0.02	0.248	0.307
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	10mm	Ant 31	DSI 8	349000	1745	17.35	18.50	1.303	-	-	0.03	0.103	0.134



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	FR1 n66	30M	BPSK	80	40	DFT-15	Back	10mm	Ant 31	DSI 8	349000	1745	17.35	18.50	1.303	-	-	-0.08	0.185	0.241
	FR1 n66	30M	BPSK	80	40	DFT-15	Right Side	10mm	Ant 31	DSI 8	349000	1745	17.35	18.50	1.303	-	-	0.16	0.078	0.102
	FR1 n66	30M	BPSK	80	40	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	349000	1745	17.35	18.50	1.303	-	-	0.08	0.256	0.334
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	10mm	Ant 25	DSI 8	349000	1745	18.12	18.80	1.169	-	-	-0.11	0.143	0.167
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	10mm	Ant 25	DSI 8	349000	1745	18.12	18.80	1.169	-	-	-0.11	0.175	0.205
	FR1 n66	30M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 25	DSI 8	349000	1745	18.12	18.80	1.169	-	-	0.09	0.335	0.392
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 25	DSI 8	349000	1745	18.12	18.80	1.169	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	10mm	Ant 25	DSI 8	349000	1745	18.04	18.80	1.191	-	-	0.04	0.144	0.172
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	10mm	Ant 25	DSI 8	349000	1745	18.04	18.80	1.191	-	-	0.02	0.185	0.220
48	FR1 n66	30M	BPSK	80	40	DFT-15	Right Side	10mm	Ant 25	DSI 8	349000	1745	18.04	18.80	1.191	-	-	0.01	0.340	0.405
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	10mm	Ant 25	DSI 8	349000	1745	18.04	18.80	1.191	-	-	-	n/a	n/a
1900MHz																				
	GSM1900	-	-	-	-	EDGE(4 Tx slots)	Front	10mm	Ant 13	DSI 8	661	1880	18.45	20.00	1.429	-	-	-0.13	0.124	0.177
	GSM1900	-	-	-	-	EDGE(4 Tx slots)	Back	10mm	Ant 13	DSI 8	661	1880	18.45	20.00	1.429	-	-	-0.12	0.110	0.157
	GSM1900	-	-	-	-	EDGE(4 Tx slots)	Left Side	10mm	Ant 13	DSI 8	661	1880	18.45	20.00	1.429	-	-	0.09	0.025	0.036
49	GSM1900	-	-	-	-	EDGE(4 Tx slots)	Top Side	10mm	Ant 13	DSI 8	661	1880	18.45	20.00	1.429	-	-	0.02	0.385	0.550
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Front	10mm	Ant 31	DSI 8	661	1880	23.09	25.00	1.552	-	-	0.03	0.132	0.205
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Back	10mm	Ant 31	DSI 8	661	1880	23.09	25.00	1.552	-	-	0.11	0.196	0.304
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Right Side	10mm	Ant 31	DSI 8	661	1880	23.09	25.00	1.552	-	-	0.02	0.082	0.127
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Bottom Side	10mm	Ant 31	DSI 8	661	1880	23.09	25.00	1.552	-	-	-0.13	0.347	0.539
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 13	DSI 8	9400	1880	14.62	16.50	1.542	-	-	0.08	0.138	0.213
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 13	DSI 8	9400	1880	14.62	16.50	1.542	-	-	0.11	0.124	0.191
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Side	10mm	Ant 13	DSI 8	9400	1880	14.62	16.50	1.542	-	-	-	n/a	n/a
50	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 13	DSI 8	9400	1880	14.62	16.50	1.542	-	-	0.09	0.371	0.572
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	10mm	Ant 31	DSI 8	9400	1880	18.39	19.80	1.384	-	-	0.03	0.109	0.151
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 31	DSI 8	9400	1880	18.39	19.80	1.384	-	-	0.11	0.185	0.256
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Side	10mm	Ant 31	DSI 8	9400	1880	18.39	19.80	1.384	-	-	0.06	0.101	0.140
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	10mm	Ant 31	DSI 8	9400	1880	18.39	19.80	1.384	-	-	0.05	0.301	0.416
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	18900	1880	14.98	16.00	1.265	-	-	0.02	0.128	0.162
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	18900	1880	14.98	16.00	1.265	-	-	-0.08	0.111	0.140
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	18900	1880	14.98	16.00	1.265	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	18900	1880	14.98	16.00	1.265	-	-	0.13	0.353	0.446
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	18900	1880	14.87	16.00	1.297	-	-	-0.09	0.135	0.175
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	18900	1880	14.87	16.00	1.297	-	-	0.09	0.115	0.149
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	18900	1880	14.87	16.00	1.297	-	-	-	n/a	n/a
51	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	18900	1880	14.87	16.00	1.297	-	-	-0.05	0.367	0.476
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	18900	1880	18.66	19.50	1.213	-	-	-0.09	0.101	0.123
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	18900	1880	18.66	19.50	1.213	-	-	-0.19	0.167	0.203
	LTE Band 2	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	18900	1880	18.66	19.50	1.213	-	-	-0.17	0.065	0.079
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	18900	1880	18.66	19.50	1.213	-	-	-0.15	0.309	0.375
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	18900	1880	18.62	19.50	1.225	-	-	0.17	0.105	0.129
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	18900	1880	18.62	19.50	1.225	-	-	-0.15	0.177	0.217
	LTE Band 2	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	18900	1880	18.62	19.50	1.225	-	-	0.13	0.074	0.091
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	18900	1880	18.62	19.50	1.225	-	-	0.05	0.311	0.381
	FR1 n2	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 13	DSI 8	376000	1880	12.75	13.80	1.274	-	-	0.09	0.071	0.090
	FR1 n2	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 13	DSI 8	376000	1880	12.75	13.80	1.274	-	-	0.07	0.061	0.078
	FR1 n2	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 13	DSI 8	376000	1880	12.75	13.80	1.274	-	-	-	n/a	n/a
	FR1 n2	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 13	DSI 8	376000	1880	12.75	13.80	1.274	-	-	0.14	0.205	0.261
	FR1 n2	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 13	DSI 8	376000	1880	12.68	13.80	1.294	-	-	0.05	0.073	0.094
	FR1 n2	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 13	DSI 8	376000	1880	12.68	13.80	1.294	-	-	-0.16	0.072	0.093
	FR1 n2	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 13	DSI 8	376000	1880	12.68	13.80	1.294	-	-	-	n/a	n/a
52	FR1 n2	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 13	DSI 8	376000	1880	12.68	13.80	1.294	-	-	0.08	0.218	0.282
	FR1 n2	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 31	DSI 8	376000	1880	16.81	17.50	1.172	-	-	0.08	0.064	0.075
	FR1 n2	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 31	DSI 8	376000	1880	16.81	17.50	1.172	-	-	-0.09	0.120	0.141
	FR1 n2	20M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 31	DSI 8	376000	1880	16.81	17.50	1.172	-	-	0.13	0.049	0.057
	FR1 n2	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	376000	1880	16.81	17.50	1.172	-	-	-0.04	0.170	0.199



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	FR1 n2	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 31	DSI 8	376000	1880	16.63	17.50	1.222	-	-	-0.19	0.065	0.079
	FR1 n2	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 31	DSI 8	376000	1880	16.63	17.50	1.222	-	-	-0.14	0.121	0.148
	FR1 n2	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 31	DSI 8	376000	1880	16.63	17.50	1.222	-	-	0.09	0.049	0.060
	FR1 n2	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	376000	1880	16.63	17.50	1.222	-	-	0.17	0.193	0.236
2450MHz																				
	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	10mm	Ant 24+23	Reduced Level 3	6	2437	14.56	16.00	1.393	100	1.000	0.16	0.077	0.107
	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	10mm	Ant 24+23	Reduced Level 3	6	2437	14.56	16.00	1.393	100	1.000	-0.11	0.103	0.143
53	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Right Side	10mm	Ant 24+23	Reduced Level 3	6	2437	14.56	16.00	1.393	100	1.000	0.01	0.192	0.267
	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Top Side	10mm	Ant 24+23	Reduced Level 3	6	2437	14.56	16.00	1.393	100	1.000	-0.12	0.077	0.107
	Bluetooth	-	-	-	-	DH5 1Mbps	Front	10mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	-0.04	0.016	0.028
	Bluetooth	-	-	-	-	DH5 1Mbps	Back	10mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	0.06	0.022	0.038
54	Bluetooth	-	-	-	-	DH5 1Mbps	Right Side	10mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	-0.14	0.040	0.071
	Bluetooth	-	-	-	-	DH5 1Mbps	Top Side	10mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	0.03	0.004	0.008
	Bluetooth	-	-	-	-	DH5 1Mbps	Front	10mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	0.05	0.026	0.044
	Bluetooth	-	-	-	-	DH5 1Mbps	Back	10mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	-0.07	0.035	0.059
	Bluetooth	-	-	-	-	DH5 1Mbps	Right Side	10mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	-0.17	0.026	0.044
	Bluetooth	-	-	-	-	DH5 1Mbps	Top Side	10mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	0.03	0.022	0.037
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	21100	2535	17.09	17.50	1.099	-	-	-0.08	0.129	0.142
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	21100	2535	17.09	17.50	1.099	-	-	0.1	0.138	0.152
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	21100	2535	17.09	17.50	1.099	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	21100	2535	17.09	17.50	1.099	-	-	-0.09	0.329	0.362
	LTE Band 7C	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	21100	2535	16.42	17.50	1.282	-	-	-0.12	0.263	0.337
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	21100	2535	17.06	17.50	1.107	-	-	-0.17	0.127	0.141
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	21100	2535	17.06	17.50	1.107	-	-	-0.14	0.136	0.151
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	21100	2535	17.06	17.50	1.107	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	21100	2535	17.06	17.50	1.107	-	-	-0.04	0.275	0.304
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	21100	2535	18.84	19.50	1.164	-	-	-0.14	0.110	0.128
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	21100	2535	18.84	19.50	1.164	-	-	0.06	0.318	0.370
	LTE Band 7C	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	21100	2535	18.38	19.50	1.294	-	-	-0.06	0.275	0.356
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	21100	2535	18.84	19.50	1.164	-	-	-0.11	0.086	0.100
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	21100	2535	18.84	19.50	1.164	-	-	-0.04	0.198	0.230
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	21100	2535	18.78	19.50	1.180	-	-	0.19	0.107	0.126
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	21100	2535	18.78	19.50	1.180	-	-	-0.17	0.241	0.284
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	21100	2535	18.78	19.50	1.180	-	-	-0.15	0.087	0.103
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	21100	2535	18.78	19.50	1.180	-	-	-0.14	0.195	0.230
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	21100	2535	17.68	18.50	1.208	-	-	-0.03	0.105	0.127
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	21100	2535	17.68	18.50	1.208	-	-	0.02	0.095	0.115
55	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	21100	2535	17.68	18.50	1.208	-	-	0.06	0.329	0.397
	LTE Band 7C	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	21100	2535	17.61	18.50	1.227	-	-	0.16	0.302	0.371
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	21100	2535	17.68	18.50	1.208	-	-	0.17	0.025	0.030
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	21100	2535	17.63	18.50	1.222	-	-	-0.07	0.103	0.126
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	21100	2535	17.63	18.50	1.222	-	-	-0.07	0.093	0.113
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	21100	2535	17.63	18.50	1.222	-	-	0.17	0.277	0.338
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	21100	2535	17.63	18.50	1.222	-	-	0.17	0.023	0.028
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	38000	2595	20.52	21.20	1.169	62.9	1.006	-0.03	0.189	0.222
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	38000	2595	20.52	21.20	1.169	62.9	1.006	0.1	0.181	0.213
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	38000	2595	20.52	21.20	1.169	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	38000	2595	20.52	21.20	1.169	62.9	1.006	0.06	0.372	0.438
	LTE Band 38C	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	37901	2585.1	19.99	21.20	1.321	62.9	1.006	-0.01	0.301	0.400
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	38000	2595	20.49	21.20	1.178	62.9	1.006	-0.18	0.187	0.222
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	38000	2595	20.49	21.20	1.178	62.9	1.006	-0.02	0.151	0.179
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	38000	2595	20.49	21.20	1.178	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	38000	2595	20.49	21.20	1.178	62.9	1.006	-0.15	0.296	0.351
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	38000	2595	21.53	22.00	1.114	62.9	1.006	-0.07	0.112	0.126



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	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	38000	2595	21.53	22.00	1.114	62.9	1.006	-0.05	0.239	0.268
	LTE Band 38C	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	37901 +38099	2585.1 +2604.9	20.81	22.00	1.315	62.9	1.006	-0.19	0.195	0.258
	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	38000	2595	21.53	22.00	1.114	62.9	1.006	0.16	0.076	0.085
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	38000	2595	21.53	22.00	1.114	62.9	1.006	-0.13	0.235	0.263
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	38000	2595	21.39	22.00	1.151	62.9	1.006	-0.07	0.109	0.126
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	38000	2595	21.39	22.00	1.151	62.9	1.006	0.04	0.225	0.260
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	38000	2595	21.39	22.00	1.151	62.9	1.006	-0.12	0.072	0.083
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	38000	2595	21.39	22.00	1.151	62.9	1.006	0.04	0.225	0.260
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	38000	2595	20.78	22.00	1.324	62.9	1.006	-0.06	0.123	0.164
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	38000	2595	20.78	22.00	1.324	62.9	1.006	-0.13	0.197	0.262
56	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	38000	2595	20.78	22.00	1.324	62.9	1.006	0.03	0.520	0.693
	LTE Band 38C	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	37901 +38099	2585.1 +2604.9	20.56	22.00	1.393	62.9	1.006	-0.01	0.467	0.655
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	38000	2595	20.78	22.00	1.324	62.9	1.006	-0.02	0.030	0.040
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	38000	2595	20.77	22.00	1.327	62.9	1.006	0.05	0.121	0.162
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	38000	2595	20.77	22.00	1.327	62.9	1.006	-0.12	0.195	0.260
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	38000	2595	20.77	22.00	1.327	62.9	1.006	0.12	0.406	0.542
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	38000	2595	20.77	22.00	1.327	62.9	1.006	-0.01	0.028	0.037
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	40620	2593	20.58	21.00	1.102	62.9	1.006	0.14	0.188	0.208
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	40620	2593	20.58	21.00	1.102	62.9	1.006	-0.11	0.157	0.174
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	40620	2593	20.58	21.00	1.102	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	40620	2593	20.58	21.00	1.102	62.9	1.006	-0.08	0.347	0.385
	LTE Band 41C	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	40620 +40422	2593 +2573.2	19.88	21.00	1.294	62.9	1.006	0.04	0.286	0.372
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	40620	2593	20.51	21.00	1.119	62.9	1.006	-0.01	0.185	0.208
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	40620	2593	20.51	21.00	1.119	62.9	1.006	0.19	0.152	0.171
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	40620	2593	20.51	21.00	1.119	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	40620	2593	20.51	21.00	1.119	62.9	1.006	-0.07	0.296	0.333
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	40620	2593	21.41	22.00	1.146	62.9	1.006	0.14	0.121	0.139
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	40620	2593	21.41	22.00	1.146	62.9	1.006	-0.07	0.359	0.414
	LTE Band 41C	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	40620 +40422	2593 +2573.2	20.95	22.00	1.274	62.9	1.006	0.18	0.302	0.387
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	40620	2593	21.41	22.00	1.146	62.9	1.006	-0.08	0.086	0.099
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	40620	2593	21.41	22.00	1.146	62.9	1.006	0.08	0.231	0.266
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	40620	2593	21.36	22.00	1.159	62.9	1.006	0.19	0.106	0.124
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	40620	2593	21.36	22.00	1.159	62.9	1.006	0.17	0.263	0.307
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	40620	2593	21.36	22.00	1.159	62.9	1.006	0.06	0.093	0.108
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	40620	2593	21.36	22.00	1.159	62.9	1.006	-0.12	0.222	0.259
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	40620	2593	20.69	22.00	1.352	62.9	1.006	0.16	0.116	0.158
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	40620	2593	20.69	22.00	1.352	62.9	1.006	-0.08	0.199	0.271
57	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	40620	2593	20.69	22.00	1.352	62.9	1.006	0.02	0.507	0.690
	LTE Band 41C	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	40620 +40422	2593 +2573.2	20.54	22.00	1.400	62.9	1.006	0.05	0.421	0.593
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	40620	2593	20.69	22.00	1.352	62.9	1.006	-0.15	0.338	0.460
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	39750	2506	20.39	22.00	1.449	62.9	1.006	0.09	0.400	0.583
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	40185	2549.5	20.37	22.00	1.455	62.9	1.006	0.04	0.310	0.454
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	41055	2636.5	20.67	22.00	1.358	62.9	1.006	-0.12	0.397	0.542
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	41490	2680	20.45	22.00	1.429	62.9	1.006	-0.08	0.446	0.641
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	40620	2593	20.61	22.00	1.377	62.9	1.006	0.09	0.112	0.155
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	40620	2593	20.61	22.00	1.377	62.9	1.006	0.01	0.195	0.270
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	40620	2593	20.61	22.00	1.377	62.9	1.006	-0.16	0.393	0.544
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	40620	2593	20.61	22.00	1.377	62.9	1.006	-0.01	0.331	0.459
	LTE Band 41	20M	QPSK	100	0	-	Right Side	10mm	Ant 25	DSI 8	40620	2593	20.56	22.00	1.393	62.9	1.006	-0.13	0.428	0.600
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 13	DSI 8	507000	2535	16.83	17.70	1.222	-	-	0.09	0.078	0.095
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 13	DSI 8	507000	2535	16.83	17.70	1.222	-	-	-0.02	0.062	0.076
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 13	DSI 8	507000	2535	16.83	17.70	1.222	-	-	0.03	0.016	0.020
	FR1 n7	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 13	DSI 8	507000	2535	16.83	17.70	1.222	-	-	-0.13	0.332	0.406
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 13	DSI 8	507000	2535	16.69	17.70	1.262	-	-	0.04	0.074	0.094
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 13	DSI 8	507000	2535	16.69	17.70	1.262	-	-	0.14	0.058	0.073



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	FR1 n7	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 13	DSI 8	507000	2535	16.69	17.70	1.262	-	-	-0.09	0.015	0.018
	FR1 n7	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 13	DSI 8	507000	2535	16.69	17.70	1.262	-	-	0.05	0.164	0.207
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 31	DSI 8	507000	2535	19.76	20.80	1.271	-	-	-0.17	0.137	0.174
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 31	DSI 8	507000	2535	19.76	20.80	1.271	-	-	-0.19	0.313	0.398
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 31	DSI 8	507000	2535	19.76	20.80	1.271	-	-	-0.09	0.110	0.140
	FR1 n7	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	507000	2535	19.76	20.80	1.271	-	-	-0.15	0.234	0.297
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 31	DSI 8	507000	2535	19.49	20.80	1.352	-	-	0.05	0.138	0.187
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 31	DSI 8	507000	2535	19.49	20.80	1.352	-	-	-0.07	0.298	0.403
	FR1 n7	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 31	DSI 8	507000	2535	19.49	20.80	1.352	-	-	0.02	0.122	0.165
	FR1 n7	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 31	DSI 8	507000	2535	19.49	20.80	1.352	-	-	0.18	0.239	0.323
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 25	DSI 8	507000	2535	18.66	19.70	1.271	-	-	0.04	0.056	0.071
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 25	DSI 8	507000	2535	18.66	19.70	1.271	-	-	-0.12	0.084	0.106
	FR1 n7	20M	BPSK	1	1	DFT-15	Right Side	10mm	Ant 25	DSI 8	507000	2535	18.66	19.70	1.271	-	-	0.18	0.230	0.292
	FR1 n7	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 25	DSI 8	507000	2535	18.66	19.70	1.271	-	-	0.17	0.031	0.040
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 25	DSI 8	507000	2535	18.59	19.70	1.291	-	-	0.13	0.121	0.156
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 25	DSI 8	507000	2535	18.59	19.70	1.291	-	-	0.14	0.130	0.168
58	FR1 n7	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 25	DSI 8	507000	2535	18.59	19.70	1.291	-	-	0.11	0.345	0.445
	FR1 n7	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 25	DSI 8	507000	2535	18.59	19.70	1.291	-	-	0.17	0.037	0.048
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 13	DSI 8	519000	2595	18.60	19.20	1.148	-	-	0.08	0.219	0.251
	FR1 n38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 13	DSI 8	519000	2595	18.60	19.20	1.148	-	-	-0.07	0.138	0.158
	FR1 n38	40M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 13	DSI 8	519000	2595	18.60	19.20	1.148	-	-	-0.18	0.038	0.044
	FR1 n38	40M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 13	DSI 8	519000	2595	18.60	19.20	1.148	-	-	-0.01	0.443	0.509
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 13	DSI 8	519000	2595	18.49	19.20	1.178	-	-	0.11	0.200	0.236
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 13	DSI 8	519000	2595	18.49	19.20	1.178	-	-	-0.08	0.121	0.142
	FR1 n38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 13	DSI 8	519000	2595	18.49	19.20	1.178	-	-	-0.02	0.029	0.034
	FR1 n38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 13	DSI 8	519000	2595	18.49	19.20	1.178	-	-	-0.19	0.294	0.346
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 31	DSI 8	519000	2595	19.79	20.50	1.178	-	-	0.07	0.130	0.153
	FR1 n38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 31	DSI 8	519000	2595	19.79	20.50	1.178	-	-	-0.04	0.367	0.432
	FR1 n38	40M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 31	DSI 8	519000	2595	19.79	20.50	1.178	-	-	-0.19	0.124	0.146
	FR1 n38	40M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 31	DSI 8	519000	2595	19.79	20.50	1.178	-	-	0.01	0.244	0.287
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 31	DSI 8	519000	2595	19.48	20.50	1.265	-	-	-0.11	0.120	0.152
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 31	DSI 8	519000	2595	19.48	20.50	1.265	-	-	0.07	0.262	0.331
	FR1 n38	40M	BPSK	50	28	DFT-30	Right Side	10mm	Ant 31	DSI 8	519000	2595	19.48	20.50	1.265	-	-	-0.17	0.103	0.130
	FR1 n38	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 31	DSI 8	519000	2595	19.48	20.50	1.265	-	-	-0.19	0.219	0.277
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	10mm	Ant 25	DSI 8	519000	2595	17.88	19.00	1.294	-	-	-0.14	0.128	0.166
	FR1 n38	40M	BPSK	1	1	DFT-30	Back	10mm	Ant 25	DSI 8	519000	2595	17.88	19.00	1.294	-	-	0.03	0.175	0.226
	FR1 n38	40M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 25	DSI 8	519000	2595	17.88	19.00	1.294	-	-	-0.08	0.359	0.465
	FR1 n38	40M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 25	DSI 8	519000	2595	17.88	19.00	1.294	-	-	-0.1	0.045	0.058
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 25	DSI 8	519000	2595	17.77	19.00	1.327	-	-	-0.04	0.164	0.218
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 25	DSI 8	519000	2595	17.77	19.00	1.327	-	-	-0.14	0.189	0.251
59	FR1 n38	40M	BPSK	50	28	DFT-30	Right Side	10mm	Ant 25	DSI 8	519000	2595	17.77	19.00	1.327	-	-	-0.08	0.446	0.592
	FR1 n38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 25	DSI 8	519000	2595	17.77	19.00	1.327	-	-	-0.01	0.048	0.064
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 13	DSI 8	518598	2592.99	18.17	19.00	1.211	-	-	0.02	0.179	0.217
	FR1 n41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 13	DSI 8	518598	2592.99	18.17	19.00	1.211	-	-	0.13	0.240	0.291
	FR1 n41	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 13	DSI 8	518598	2592.99	18.17	19.00	1.211	-	-	-0.09	0.037	0.045
60	FR1 n41	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 13	DSI 8	518598	2592.99	18.17	19.00	1.211	-	-	0.06	0.382	0.462
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 13	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	-0.03	0.162	0.215
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 13	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	0.04	0.214	0.283
	FR1 n41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 13	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	0.07	0.032	0.042
	FR1 n41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 13	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	0.11	0.303	0.401
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 31	DSI 8	518598	2592.99	19.55	20.30	1.189	-	-	-0.06	0.138	0.164
	FR1 n41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 31	DSI 8	518598	2592.99	19.55	20.30	1.189	-	-	-0.13	0.359	0.427
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 31	DSI 8	518598	2592.99	19.55	20.30	1.189	-	-	-0.08	0.112	0.133
	FR1 n41	100M	BPSK	1	1	DFT-30	Bottom Side	10mm	Ant 31	DSI 8	518598	2592.99	19.55	20.30	1.189	-	-	-0.06	0.224	0.266
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 31	DSI 8	518598	2592.99	19.12	20.30	1.312	-	-	-0.09	0.126	0.165
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 31	DSI 8	518598	2592.99	19.12	20.30	1.312	-	-	0.13	0.262	0.344



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	FR1 n41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 31	DSI 8	518598	2592.99	19.12	20.30	1.312	-	-	0.19	0.099	0.130
	FR1 n41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 31	DSI 8	518598	2592.99	19.12	20.30	1.312	-	-	-0.07	0.211	0.277
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 25	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	0.15	0.105	0.139
	FR1 n41	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 25	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	0.1	0.127	0.168
	FR1 n41	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 25	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	-0.06	0.249	0.330
	FR1 n41	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 25	DSI 8	518598	2592.99	17.78	19.00	1.324	-	-	-0.05	0.039	0.052
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 25	DSI 8	518598	2592.99	17.75	19.00	1.334	-	-	0.08	0.120	0.160
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 25	DSI 8	518598	2592.99	17.75	19.00	1.334	-	-	0.11	0.178	0.237
	FR1 n41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 25	DSI 8	518598	2592.99	17.75	19.00	1.334	-	-	0.16	0.307	0.409
	FR1 n41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 25	DSI 8	518598	2592.99	17.75	19.00	1.334	-	-	0.11	0.043	0.058
3500~3900MHz																				
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Front	10mm	Ant 12	DSI 8	42590	3500	18.62	19.00	1.091	62.9	1.006	0.14	0.139	0.153
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Back	10mm	Ant 12	DSI 8	42590	3500	18.62	19.00	1.091	62.9	1.006	0.01	0.158	0.173
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Left Side	10mm	Ant 12	DSI 8	42590	3500	18.62	19.00	1.091	62.9	1.006	-0.13	0.452	0.496
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Top Side	10mm	Ant 12	DSI 8	42590	3500	18.62	19.00	1.091	62.9	1.006	-0.03	0.099	0.109
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Front	10mm	Ant 12	DSI 8	42590	3500	18.58	19.00	1.102	62.9	1.006	0.17	0.126	0.140
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Back	10mm	Ant 12	DSI 8	42590	3500	18.58	19.00	1.102	62.9	1.006	-0.18	0.082	0.091
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Left Side	10mm	Ant 12	DSI 8	42590	3500	18.58	19.00	1.102	62.9	1.006	-0.1	0.344	0.381
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Top Side	10mm	Ant 12	DSI 8	42590	3500	18.58	19.00	1.102	62.9	1.006	-0.19	0.093	0.103
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Front	10mm	Ant 24	DSI 8	42590	3500	19.17	20.30	1.297	62.9	1.006	-0.1	0.107	0.140
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Back	10mm	Ant 24	DSI 8	42590	3500	19.17	20.30	1.297	62.9	1.006	0.08	0.102	0.133
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Right Side	10mm	Ant 24	DSI 8	42590	3500	19.17	20.30	1.297	62.9	1.006	-0.05	0.288	0.376
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Top Side	10mm	Ant 24	DSI 8	42590	3500	19.17	20.30	1.297	62.9	1.006	-0.18	0.044	0.057
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Front	10mm	Ant 24	DSI 8	42590	3500	19.14	20.30	1.306	62.9	1.006	-0.19	0.108	0.142
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Back	10mm	Ant 24	DSI 8	42590	3500	19.14	20.30	1.306	62.9	1.006	-0.18	0.112	0.147
61	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Right Side	10mm	Ant 24	DSI 8	42590	3500	19.14	20.30	1.306	62.9	1.006	0.04	0.390	0.512
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Top Side	10mm	Ant 24	DSI 8	42590	3500	19.14	20.30	1.306	62.9	1.006	0.03	0.056	0.074
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	16.98	17.80	1.208	-	-	0.12	0.103	0.124
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	16.98	17.80	1.208	-	-	-0.12	0.130	0.157
62	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	16.98	17.80	1.208	-	-	0.04	0.264	0.319
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	16.98	17.80	1.208	-	-	-0.19	0.067	0.081
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	16.85	17.80	1.245	-	-	0.18	0.090	0.112
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	16.85	17.80	1.245	-	-	0.16	0.115	0.143
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	16.85	17.80	1.245	-	-	0.17	0.219	0.273
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	16.85	17.80	1.245	-	-	-0.08	0.061	0.076
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	656000	3840	16.59	17.80	1.321	-	-	-0.01	0.073	0.096
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	656000	3840	16.59	17.80	1.321	-	-	0.11	0.063	0.083
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	656000	3840	16.59	17.80	1.321	-	-	0.18	0.115	0.152
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	656000	3840	16.59	17.80	1.321	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	656000	3840	16.48	17.80	1.355	-	-	-0.05	0.044	0.060
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	656000	3840	16.48	17.80	1.355	-	-	0.07	0.059	0.080
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	656000	3840	16.48	17.80	1.355	-	-	-0.09	0.107	0.145
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	656000	3840	16.48	17.80	1.355	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	17.67	18.30	1.156	-	-	-0.05	0.068	0.079
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	17.67	18.30	1.156	-	-	0.09	0.093	0.108
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	17.67	18.30	1.156	-	-	-0.15	0.244	0.282
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	17.67	18.30	1.156	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	17.48	18.30	1.208	-	-	-0.05	0.074	0.089
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	17.48	18.30	1.208	-	-	0.06	0.105	0.127
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	17.48	18.30	1.208	-	-	-0.08	0.185	0.223
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	17.48	18.30	1.208	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	656000	3840	17.34	18.30	1.247	-	-	-0.14	0.068	0.085
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	656000	3840	17.34	18.30	1.247	-	-	0.07	0.108	0.135
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	656000	3840	17.34	18.30	1.247	-	-	0.06	0.174	0.217
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	656000	3840	17.34	18.30	1.247	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	656000	3840	17.09	18.30	1.321	-	-	0.06	0.056	0.074



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	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	656000	3840	17.09	18.30	1.321	-	-	0.09	0.080	0.106
	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	656000	3840	17.09	18.30	1.321	-	-	-0.08	0.141	0.186
	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	656000	3840	17.09	18.30	1.321	-	-	-	n/a	n/a
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	17.31	18.00	1.172	-	-	0.05	0.100	0.117
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	17.31	18.00	1.172	-	-	-0.04	0.114	0.134
63	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	17.31	18.00	1.172	-	-	-0.04	0.297	0.348
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	17.31	18.00	1.172	-	-	0.02	0.061	0.072
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	17.28	18.00	1.180	-	-	0.19	0.092	0.109
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	17.28	18.00	1.180	-	-	0.12	0.111	0.131
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	17.28	18.00	1.180	-	-	0.16	0.210	0.248
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	17.28	18.00	1.180	-	-	0.1	0.058	0.068
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	650000	3750	17.15	18.00	1.216	-	-	-0.11	0.078	0.095
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	650000	3750	17.15	18.00	1.216	-	-	0.16	0.096	0.117
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	650000	3750	17.15	18.00	1.216	-	-	0.09	0.170	0.207
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	650000	3750	17.15	18.00	1.216	-	-	-0.08	0.049	0.060
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	650000	3750	16.96	18.00	1.271	-	-	-0.13	0.068	0.086
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	650000	3750	16.96	18.00	1.271	-	-	0.13	0.085	0.108
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	650000	3750	16.96	18.00	1.271	-	-	-0.19	0.144	0.183
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	650000	3750	16.96	18.00	1.271	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	17.45	18.30	1.216	-	-	-0.1	0.072	0.088
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	17.45	18.30	1.216	-	-	0.11	0.100	0.122
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	17.45	18.30	1.216	-	-	0.02	0.220	0.268
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	17.45	18.30	1.216	-	-	-	n/a	n/a
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	17.36	18.30	1.242	-	-	0.07	0.068	0.084
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	17.36	18.30	1.242	-	-	-0.04	0.093	0.115
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	17.36	18.30	1.242	-	-	0.19	0.179	0.222
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	17.36	18.30	1.242	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	650000	3750	17.31	18.30	1.256	-	-	-0.06	0.073	0.092
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	650000	3750	17.31	18.30	1.256	-	-	-0.11	0.094	0.118
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	650000	3750	17.31	18.30	1.256	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	650000	3750	17.31	18.30	1.256	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	650000	3750	17.27	18.30	1.268	-	-	-0.14	0.070	0.089
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	650000	3750	17.27	18.30	1.268	-	-	0.01	0.088	0.112
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	650000	3750	17.27	18.30	1.268	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	650000	3750	17.27	18.30	1.268	-	-	-	n/a	n/a
5000MHz																				
	WLAN5.2GHz	-	-	-	-	802.11ac-VHT80 MCS0	Front	10mm	Ant 23+24	Reduced Level 3	42	5210	14.27	16.00	1.489	100	1.000	-0.17	0.059	0.088
	WLAN5.2GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	10mm	Ant 23+24	Reduced Level 3	42	5210	14.27	16.00	1.489	100	1.000	-0.13	0.078	0.116
64	WLAN5.2GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 23+24	Reduced Level 3	42	5210	14.27	16.00	1.489	100	1.000	-0.02	0.155	0.231
	WLAN5.2GHz	-	-	-	-	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 23+24	Reduced Level 3	42	5210	14.27	16.00	1.489	100	1.000	-0.04	0.065	0.096
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Front	10mm	Ant 23+24	Reduced Level 3	155	5775	14.06	16.00	1.563	100	1.000	0.01	0.081	0.126
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	10mm	Ant 23+24	Reduced Level 3	155	5775	14.06	16.00	1.563	100	1.000	-0.15	0.087	0.135
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 23+24	Reduced Level 3	155	5775	14.06	16.00	1.563	100	1.000	0.16	0.123	0.192
65	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 23+24	Reduced Level 3	155	5775	14.06	16.00	1.563	100	1.000	0.02	0.198	0.309



<Standalone SRS SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 101	DSI 8	633334	3500.01	19.39	20.50	25.0	8.5	-0.02	0.049	0.015
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 101	DSI 8	633334	3500.01	19.39	20.50	25.0	8.5	0.19	0.121	0.037
	FR1 n78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 101	DSI 8	633334	3500.01	19.39	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 101	DSI 8	633334	3500.01	19.39	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 101	DSI 8	633334	3500.01	19.30	20.50	25.0	8.5	0.06	0.049	0.015
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 101	DSI 8	633334	3500.01	19.30	20.50	25.0	8.5	0.06	0.142	0.045
	FR1 n78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 101	DSI 8	633334	3500.01	19.30	20.50	25.0	8.5	0.18	0.063	0.020
	FR1 n78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 101	DSI 8	633334	3500.01	19.30	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-0.03	0.043	0.012
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	0.17	0.223	0.065
	FR1 n78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-0.15	0.074	0.021
	FR1 n78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	0.11	0.161	0.047
	FR1 n78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-0.1	0.074	0.021
	FR1 n78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 101	DSI 8	650000	3750	19.68	20.50	25.0	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 103	DSI 8	633334	3500.01	19.36	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 103	DSI 8	633334	3500.01	19.36	20.50	24.5	8.5	-0.02	0.179	0.050
	FR1 n78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 103	DSI 8	633334	3500.01	19.36	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 103	DSI 8	633334	3500.01	19.36	20.50	24.5	8.5	0.17	0.093	0.026
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 103	DSI 8	633334	3500.01	19.27	20.50	24.5	8.5	0.02	0.036	0.010
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 103	DSI 8	633334	3500.01	19.27	20.50	24.5	8.5	0.17	0.207	0.059
	FR1 n78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 103	DSI 8	633334	3500.01	19.27	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 103	DSI 8	633334	3500.01	19.27	20.50	24.5	8.5	-0.12	0.104	0.029
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 103	DSI 8	650000	3750	18.88	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 103	DSI 8	650000	3750	18.88	20.50	24.5	8.5	-0.17	0.267	0.083
	FR1 n78	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 103	DSI 8	650000	3750	18.88	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 103	DSI 8	650000	3750	18.88	20.50	24.5	8.5	0.01	0.110	0.034
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 103	DSI 8	650000	3750	18.59	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 103	DSI 8	650000	3750	18.59	20.50	24.5	8.5	-0.19	0.192	0.064
	FR1 n78	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 103	DSI 8	650000	3750	18.59	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 103	DSI 8	650000	3750	18.59	20.50	24.5	8.5	0.01	0.082	0.027

<EN-DC 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
835MHz																				
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 11	DSI 8	20525	836.5	16.98	18.00	1.265	-	-	-0.02	0.067	0.085
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 11	DSI 8	20525	836.5	16.98	18.00	1.265	-	-	0.11	0.093	0.118
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 11	DSI 8	20525	836.5	16.98	18.00	1.265	-	-	0.07	0.113	0.143
	LTE Band 5	10M	QPSK	1	0	-	Top Side	10mm	Ant 11	DSI 8	20525	836.5	16.98	18.00	1.265	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 11	DSI 8	20525	836.5	16.86	18.00	1.300	-	-	-0.08	0.069	0.090
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 11	DSI 8	20525	836.5	16.86	18.00	1.300	-	-	0.03	0.095	0.124
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 11	DSI 8	20525	836.5	16.86	18.00	1.300	-	-	0.08	0.150	0.195
	LTE Band 5	10M	QPSK	25	0	-	Top Side	10mm	Ant 11	DSI 8	20525	836.5	16.86	18.00	1.300	-	-	-	n/a	n/a
	LTE Band 5	10M	QPSK	1	0	-	Front	10mm	Ant 41	DSI 8	20525	836.5	18.54	19.50	1.247	-	-	-0.01	0.107	0.133
	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 41	DSI 8	20525	836.5	18.54	19.50	1.247	-	-	-0.1	0.133	0.166
	LTE Band 5	10M	QPSK	1	0	-	Left Side	10mm	Ant 41	DSI 8	20525	836.5	18.54	19.50	1.247	-	-	-0.1	0.048	0.060
	LTE Band 5	10M	QPSK	1	0	-	Bottom Side	10mm	Ant 41	DSI 8	20525	836.5	18.54	19.50	1.247	-	-	-0.11	0.074	0.092



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	LTE Band 5	10M	QPSK	25	0	-	Front	10mm	Ant 41	DSI 8	20525	836.5	18.48	19.50	1.265	-	-	-0.19	0.111	0.140
	LTE Band 5	10M	QPSK	25	0	-	Back	10mm	Ant 41	DSI 8	20525	836.5	18.48	19.50	1.265	-	-	-0.19	0.137	0.173
	LTE Band 5	10M	QPSK	25	0	-	Left Side	10mm	Ant 41	DSI 8	20525	836.5	18.48	19.50	1.265	-	-	-0.15	0.050	0.063
	LTE Band 5	10M	QPSK	25	0	-	Bottom Side	10mm	Ant 41	DSI 8	20525	836.5	18.48	19.50	1.265	-	-	-0.08	0.078	0.099
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 11	DSI 8	167300	836.5	14.63	16.00	1.371	-	-	-0.15	0.035	0.048
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 11	DSI 8	167300	836.5	14.63	16.00	1.371	-	-	-0.16	0.051	0.070
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 11	DSI 8	167300	836.5	14.63	16.00	1.371	-	-	0.06	0.072	0.099
	FR1 n5	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 11	DSI 8	167300	836.5	14.63	16.00	1.371	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 11	DSI 8	167300	836.5	14.60	16.00	1.380	-	-	0.11	0.041	0.057
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 11	DSI 8	167300	836.5	14.60	16.00	1.380	-	-	0.19	0.059	0.081
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 11	DSI 8	167300	836.5	14.60	16.00	1.380	-	-	-0.15	0.076	0.105
	FR1 n5	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 11	DSI 8	167300	836.5	14.60	16.00	1.380	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 41	DSI 8	167300	836.5	16.79	18.00	1.321	-	-	0.19	0.042	0.055
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 41	DSI 8	167300	836.5	16.79	18.00	1.321	-	-	-0.07	0.085	0.112
	FR1 n5	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 41	DSI 8	167300	836.5	16.79	18.00	1.321	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	1	1	DFT-15	Bottom Side	10mm	Ant 41	DSI 8	167300	836.5	16.79	18.00	1.321	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 41	DSI 8	167300	836.5	16.76	18.00	1.330	-	-	-0.06	0.043	0.057
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 41	DSI 8	167300	836.5	16.76	18.00	1.330	-	-	0.18	0.095	0.127
	FR1 n5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 41	DSI 8	167300	836.5	16.76	18.00	1.330	-	-	-	n/a	n/a
	FR1 n5	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 41	DSI 8	167300	836.5	16.76	18.00	1.330	-	-	-	n/a	n/a
1750MHz																				
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	20175	1732.5	10.48	11.00	1.127	-	-	0.14	0.042	0.047
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	20175	1732.5	10.48	11.00	1.127	-	-	0.06	0.040	0.045
	LTE Band 4	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	20175	1732.5	10.48	11.00	1.127	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	20175	1732.5	10.48	11.00	1.127	-	-	0.16	0.092	0.104
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	20175	1732.5	10.20	11.00	1.202	-	-	0.18	0.043	0.052
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	20175	1732.5	10.20	11.00	1.202	-	-	-0.03	0.041	0.049
	LTE Band 4	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	20175	1732.5	10.20	11.00	1.202	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	20175	1732.5	10.20	11.00	1.202	-	-	0.07	0.104	0.125
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	20175	1732.5	14.52	15.00	1.117	-	-	0.11	0.050	0.056
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	20175	1732.5	14.52	15.00	1.117	-	-	-0.12	0.085	0.095
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	20175	1732.5	14.52	15.00	1.117	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	20175	1732.5	14.52	15.00	1.117	-	-	-0.17	0.100	0.112
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	20175	1732.5	14.24	15.00	1.191	-	-	0.06	0.049	0.058
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	20175	1732.5	14.24	15.00	1.191	-	-	-0.03	0.085	0.101
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	20175	1732.5	14.24	15.00	1.191	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	20175	1732.5	14.24	15.00	1.191	-	-	0.11	0.111	0.132
	LTE Band 4	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	20175	1732.5	12.68	13.50	1.208	-	-	0.12	0.044	0.053
	LTE Band 4	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	20175	1732.5	12.68	13.50	1.208	-	-	0.18	0.056	0.068
	LTE Band 4	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	20175	1732.5	12.68	13.50	1.208	-	-	-0.04	0.112	0.135
	LTE Band 4	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	20175	1732.5	12.68	13.50	1.208	-	-	-	n/a	n/a
	LTE Band 4	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	20175	1732.5	12.45	13.50	1.274	-	-	0.05	0.045	0.057
	LTE Band 4	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	20175	1732.5	12.45	13.50	1.274	-	-	0.01	0.057	0.073
	LTE Band 4	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	20175	1732.5	12.45	13.50	1.274	-	-	-0.07	0.115	0.146
	LTE Band 4	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	20175	1732.5	12.45	13.50	1.274	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	132322	1745	10.29	11.00	1.178	-	-	-0.09	0.042	0.049
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	132322	1745	10.29	11.00	1.178	-	-	0.03	0.035	0.041
	LTE Band 66	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	132322	1745	10.29	11.00	1.178	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	132322	1745	10.29	11.00	1.178	-	-	-0.03	0.101	0.119
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	132322	1745	10.14	11.00	1.219	-	-	-0.07	0.045	0.055
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	132322	1745	10.14	11.00	1.219	-	-	-0.06	0.041	0.050
	LTE Band 66	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	132322	1745	10.14	11.00	1.219	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	132322	1745	10.14	11.00	1.219	-	-	0.1	0.110	0.134
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	132322	1745	14.28	15.00	1.180	-	-	0.07	0.051	0.060
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	132322	1745	14.28	15.00	1.180	-	-	-0.12	0.087	0.103
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	132322	1745	14.28	15.00	1.180	-	-	-	n/a	n/a



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	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	132322	1745	14.28	15.00	1.180	-	-	-0.01	0.112	0.132
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	132322	1745	14.27	15.00	1.183	-	-	-0.09	0.052	0.062
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	132322	1745	14.27	15.00	1.183	-	-	0.08	0.089	0.105
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	132322	1745	14.27	15.00	1.183	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	132322	1745	14.27	15.00	1.183	-	-	0.09	0.113	0.134
	LTE Band 66	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	132322	1745	12.57	13.50	1.239	-	-	-0.02	0.046	0.057
	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	132322	1745	12.57	13.50	1.239	-	-	0.03	0.055	0.068
	LTE Band 66	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	132322	1745	12.57	13.50	1.239	-	-	-0.07	0.111	0.138
	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	132322	1745	12.57	13.50	1.239	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	132322	1745	12.47	13.50	1.268	-	-	0.16	0.045	0.057
	LTE Band 66	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	132322	1745	12.47	13.50	1.268	-	-	-0.02	0.054	0.068
	LTE Band 66	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	132322	1745	12.47	13.50	1.268	-	-	-0.1	0.124	0.157
	LTE Band 66	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	132322	1745	12.47	13.50	1.268	-	-	-	n/a	n/a
1900MHz																				
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	10mm	Ant 13	DSI 8	349000	1745	9.24	10.50	1.337	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	10mm	Ant 13	DSI 8	349000	1745	9.24	10.50	1.337	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 13	DSI 8	349000	1745	9.24	10.50	1.337	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 13	DSI 8	349000	1745	9.24	10.50	1.337	-	-	0.16	0.078	0.105
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	10mm	Ant 13	DSI 8	349000	1745	8.98	10.50	1.419	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	10mm	Ant 13	DSI 8	349000	1745	8.98	10.50	1.419	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	80	40	DFT-15	Left Side	10mm	Ant 13	DSI 8	349000	1745	8.98	10.50	1.419	-	-	-	n/a	n/a
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	10mm	Ant 13	DSI 8	349000	1745	8.98	10.50	1.419	-	-	-0.16	0.087	0.123
1900MHz																				
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	18900	1880	9.36	10.50	1.300	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	18900	1880	9.36	10.50	1.300	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	18900	1880	9.36	10.50	1.300	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	18900	1880	9.36	10.50	1.300	-	-	0.12	0.097	0.126
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	18900	1880	9.30	10.50	1.318	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	18900	1880	9.30	10.50	1.318	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	18900	1880	9.30	10.50	1.318	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	18900	1880	9.30	10.50	1.318	-	-	-0.05	0.099	0.130
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	18900	1880	13.67	14.50	1.211	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	18900	1880	13.67	14.50	1.211	-	-	-0.17	0.060	0.073
	LTE Band 2	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	18900	1880	13.67	14.50	1.211	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	18900	1880	13.67	14.50	1.211	-	-	-0.09	0.091	0.110
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	18900	1880	13.58	14.50	1.236	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	18900	1880	13.58	14.50	1.236	-	-	-0.09	0.062	0.077
	LTE Band 2	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	18900	1880	13.58	14.50	1.236	-	-	-	n/a	n/a
	LTE Band 2	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	18900	1880	13.58	14.50	1.236	-	-	0.15	0.094	0.116
	LTE Band 2	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	18900	1880	14.85	15.50	1.161	-	-	-0.1	0.011	0.012
	LTE Band 2	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	18900	1880	14.85	15.50	1.161	-	-	-0.11	0.015	0.017
	LTE Band 2	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	18900	1880	14.85	15.50	1.161	-	-	-0.09	0.038	0.044
	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	18900	1880	14.85	15.50	1.161	-	-	-0.05	0.004	0.005
	LTE Band 2	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	18900	1880	14.55	15.50	1.245	-	-	0.15	0.025	0.031
	LTE Band 2	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	18900	1880	14.55	15.50	1.245	-	-	0.09	0.034	0.043
	LTE Band 2	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	18900	1880	14.55	15.50	1.245	-	-	-0.11	0.101	0.126
	LTE Band 2	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	18900	1880	14.55	15.50	1.245	-	-	-0.06	0.011	0.013
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	21100	2535	12.19	12.50	1.074	-	-	-0.04	0.041	0.044
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	21100	2535	12.19	12.50	1.074	-	-	0.02	0.040	0.043
	LTE Band 7	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	21100	2535	12.19	12.50	1.074	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	21100	2535	12.19	12.50	1.074	-	-	0.04	0.097	0.104
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	21100	2535	12.11	12.50	1.094	-	-	-0.02	0.038	0.042
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	21100	2535	12.11	12.50	1.094	-	-	0.17	0.035	0.038
	LTE Band 7	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	21100	2535	12.11	12.50	1.094	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	21100	2535	12.11	12.50	1.094	-	-	0.05	0.080	0.088
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	21100	2535	13.97	14.50	1.130	-	-	0.1	0.035	0.040



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	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	21100	2535	13.97	14.50	1.130	-	-	0.18	0.068	0.077
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	21100	2535	13.97	14.50	1.130	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	21100	2535	13.97	14.50	1.130	-	-	-0.13	0.064	0.072
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	21100	2535	13.95	14.50	1.135	-	-	0.17	0.040	0.045
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	21100	2535	13.95	14.50	1.135	-	-	0.03	0.071	0.081
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	21100	2535	13.95	14.50	1.135	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	21100	2535	13.95	14.50	1.135	-	-	-0.08	0.066	0.075
	LTE Band 7	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	21100	2535	12.61	13.50	1.227	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	21100	2535	12.61	13.50	1.227	-	-	-0.05	0.039	0.048
	LTE Band 7	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	21100	2535	12.61	13.50	1.227	-	-	0.09	0.088	0.108
	LTE Band 7	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	21100	2535	12.61	13.50	1.227	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	21100	2535	12.56	13.50	1.242	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	21100	2535	12.56	13.50	1.242	-	-	0.03	0.035	0.043
	LTE Band 7	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	21100	2535	12.56	13.50	1.242	-	-	-0.15	0.074	0.092
	LTE Band 7	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	21100	2535	12.56	13.50	1.242	-	-	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	38000	2595	15.60	16.20	1.148	62.9	1.006	-0.09	0.053	0.061
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	38000	2595	15.60	16.20	1.148	62.9	1.006	0.1	0.051	0.059
	LTE Band 38	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	38000	2595	15.60	16.20	1.148	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	38000	2595	15.60	16.20	1.148	62.9	1.006	0.18	0.089	0.103
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	38000	2595	15.49	16.20	1.178	62.9	1.006	0.1	0.050	0.059
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	38000	2595	15.49	16.20	1.178	62.9	1.006	0.11	0.048	0.057
	LTE Band 38	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	38000	2595	15.49	16.20	1.178	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	38000	2595	15.49	16.20	1.178	62.9	1.006	-0.03	0.077	0.091
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	38000	2595	16.48	17.00	1.127	62.9	1.006	-0.13	0.042	0.048
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	38000	2595	16.48	17.00	1.127	62.9	1.006	-0.1	0.091	0.103
	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	38000	2595	16.48	17.00	1.127	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	38000	2595	16.48	17.00	1.127	62.9	1.006	0.17	0.066	0.075
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	38000	2595	16.39	17.00	1.151	62.9	1.006	0.04	0.040	0.046
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	38000	2595	16.39	17.00	1.151	62.9	1.006	-0.14	0.073	0.085
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	38000	2595	16.39	17.00	1.151	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	38000	2595	16.39	17.00	1.151	62.9	1.006	-0.06	0.064	0.074
	LTE Band 38	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	38000	2595	15.61	17.00	1.377	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	38000	2595	15.61	17.00	1.377	62.9	1.006	-0.13	0.049	0.068
	LTE Band 38	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	38000	2595	15.61	17.00	1.377	62.9	1.006	0.01	0.127	0.176
	LTE Band 38	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	38000	2595	15.61	17.00	1.377	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	38000	2595	15.54	17.00	1.400	62.9	1.006	-	n/a	n/a
	LTE Band 38	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	38000	2595	15.54	17.00	1.400	62.9	1.006	-0.13	0.049	0.069
	LTE Band 38	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	38000	2595	15.54	17.00	1.400	62.9	1.006	-0.06	0.103	0.145
	LTE Band 38	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	38000	2595	15.54	17.00	1.400	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 13	DSI 8	40620	2593	15.64	16.00	1.086	62.9	1.006	0.16	0.056	0.061
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 13	DSI 8	40620	2593	15.64	16.00	1.086	62.9	1.006	0.13	0.048	0.052
	LTE Band 41	20M	QPSK	1	0	-	Left Side	10mm	Ant 13	DSI 8	40620	2593	15.64	16.00	1.086	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 13	DSI 8	40620	2593	15.64	16.00	1.086	62.9	1.006	-0.07	0.093	0.102
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 13	DSI 8	40620	2593	15.55	16.00	1.109	62.9	1.006	-0.16	0.053	0.059
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 13	DSI 8	40620	2593	15.55	16.00	1.109	62.9	1.006	0.16	0.049	0.055
	LTE Band 41	20M	QPSK	50	0	-	Left Side	10mm	Ant 13	DSI 8	40620	2593	15.55	16.00	1.109	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 13	DSI 8	40620	2593	15.55	16.00	1.109	62.9	1.006	0.14	0.077	0.086
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 31	DSI 8	40620	2593	16.31	17.00	1.172	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 31	DSI 8	40620	2593	16.31	17.00	1.172	62.9	1.006	0.01	0.093	0.109
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 31	DSI 8	40620	2593	16.31	17.00	1.172	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	10mm	Ant 31	DSI 8	40620	2593	16.31	17.00	1.172	62.9	1.006	0.03	0.068	0.080
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 31	DSI 8	40620	2593	16.25	17.00	1.189	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 31	DSI 8	40620	2593	16.25	17.00	1.189	62.9	1.006	-0.14	0.079	0.094
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 31	DSI 8	40620	2593	16.25	17.00	1.189	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	10mm	Ant 31	DSI 8	40620	2593	16.25	17.00	1.189	62.9	1.006	0.14	0.066	0.079
	LTE Band 41	20M	QPSK	1	0	-	Front	10mm	Ant 25	DSI 8	40620	2593	15.49	17.00	1.416	62.9	1.006	-	n/a	n/a



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	LTE Band 41	20M	QPSK	1	0	-	Back	10mm	Ant 25	DSI 8	40620	2593	15.49	17.00	1.416	62.9	1.006	0.11	0.050	0.071
	LTE Band 41	20M	QPSK	1	0	-	Right Side	10mm	Ant 25	DSI 8	40620	2593	15.49	17.00	1.416	62.9	1.006	0.09	0.118	0.168
	LTE Band 41	20M	QPSK	1	0	-	Top Side	10mm	Ant 25	DSI 8	40620	2593	15.49	17.00	1.416	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Front	10mm	Ant 25	DSI 8	40620	2593	15.46	17.00	1.426	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	0	-	Back	10mm	Ant 25	DSI 8	40620	2593	15.46	17.00	1.426	62.9	1.006	0.14	0.050	0.072
	LTE Band 41	20M	QPSK	50	0	-	Right Side	10mm	Ant 25	DSI 8	40620	2593	15.46	17.00	1.426	62.9	1.006	-0.17	0.096	0.138
	LTE Band 41	20M	QPSK	50	0	-	Top Side	10mm	Ant 25	DSI 8	40620	2593	15.46	17.00	1.426	62.9	1.006	-	n/a	n/a
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	10mm	Ant 13	DSI 8	507000	2535	12.19	13.80	1.449	-	-	-0.15	0.049	0.071
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	10mm	Ant 13	DSI 8	507000	2535	12.19	13.80	1.449	-	-	-0.13	0.041	0.059
	FR1 n7	20M	BPSK	1	1	DFT-15	Left Side	10mm	Ant 13	DSI 8	507000	2535	12.19	13.80	1.449	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	1	1	DFT-15	Top Side	10mm	Ant 13	DSI 8	507000	2535	12.19	13.80	1.449	-	-	-0.02	0.139	0.201
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 13	DSI 8	507000	2535	12.08	13.80	1.486	-	-	-0.09	0.047	0.070
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 13	DSI 8	507000	2535	12.08	13.80	1.486	-	-	0.06	0.038	0.056
	FR1 n7	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 13	DSI 8	507000	2535	12.08	13.80	1.486	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	50	28	DFT-15	Top Side	10mm	Ant 13	DSI 8	507000	2535	12.08	13.80	1.486	-	-	-0.13	0.134	0.199
3500~3900MHz																				
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	11.95	12.50	1.135	-	-	-0.14	0.049	0.056
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	11.95	12.50	1.135	-	-	-0.06	0.061	0.069
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	11.95	12.50	1.135	-	-	0.15	0.080	0.091
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	11.95	12.50	1.135	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	633334	3500.01	11.80	12.50	1.175	-	-	-0.19	0.042	0.049
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	633334	3500.01	11.80	12.50	1.175	-	-	-0.02	0.058	0.068
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	633334	3500.01	11.80	12.50	1.175	-	-	0.11	0.072	0.085
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	633334	3500.01	11.80	12.50	1.175	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 12	DSI 8	650000	3750	11.58	12.50	1.236	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 12	DSI 8	650000	3750	11.58	12.50	1.236	-	-	0.03	0.060	0.074
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 12	DSI 8	650000	3750	11.58	12.50	1.236	-	-	0.05	0.126	0.156
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 12	DSI 8	650000	3750	11.58	12.50	1.236	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 12	DSI 8	650000	3750	11.52	12.50	1.253	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 12	DSI 8	650000	3750	11.52	12.50	1.253	-	-	0.11	0.056	0.070
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 12	DSI 8	650000	3750	11.52	12.50	1.253	-	-	0.03	0.089	0.112
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 12	DSI 8	650000	3750	11.52	12.50	1.253	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	12.77	13.80	1.268	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	12.77	13.80	1.268	-	-	0.1	0.047	0.060
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	12.77	13.80	1.268	-	-	0.08	0.070	0.088
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	12.77	13.80	1.268	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	633334	3500.01	12.73	13.80	1.279	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	633334	3500.01	12.73	13.80	1.279	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	633334	3500.01	12.73	13.80	1.279	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	633334	3500.01	12.73	13.80	1.279	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 24	DSI 8	650000	3750	12.68	13.80	1.294	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 24	DSI 8	650000	3750	12.68	13.80	1.294	-	-	0.1	0.052	0.067
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Right Side	10mm	Ant 24	DSI 8	650000	3750	12.68	13.80	1.294	-	-	0.14	0.118	0.153
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 24	DSI 8	650000	3750	12.68	13.80	1.294	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 24	DSI 8	650000	3750	12.66	13.80	1.300	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 24	DSI 8	650000	3750	12.66	13.80	1.300	-	-	-0.11	0.045	0.059
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 24	DSI 8	650000	3750	12.66	13.80	1.300	-	-	-0.04	0.083	0.108
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 24	DSI 8	650000	3750	12.66	13.80	1.300	-	-	-	n/a	n/a



<EN-DC SRS SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 101	DSI 8	633334	3500.01	14.65	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 101	DSI 8	633334	3500.01	14.65	15.50	25.0	8.5	-0.17	0.037	0.034
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 101	DSI 8	633334	3500.01	14.65	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 101	DSI 8	633334	3500.01	14.65	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 101	DSI 8	633334	3500.01	14.47	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 101	DSI 8	633334	3500.01	14.47	15.50	25.0	8.5	-0.11	0.044	0.042
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 101	DSI 8	633334	3500.01	14.47	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 101	DSI 8	633334	3500.01	14.47	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 101	DSI 8	650000	3750	14.38	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 101	DSI 8	650000	3750	14.38	15.50	25.0	8.5	0.15	0.061	0.060
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 101	DSI 8	650000	3750	14.38	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 101	DSI 8	650000	3750	14.38	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 101	DSI 8	650000	3750	14.22	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 101	DSI 8	650000	3750	14.22	15.50	25.0	8.5	0.11	0.069	0.070
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 101	DSI 8	650000	3750	14.22	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 101	DSI 8	650000	3750	14.22	15.50	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 103	DSI 8	633334	3500.01	14.93	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 103	DSI 8	633334	3500.01	14.93	16.00	24.5	8.5	0.08	0.085	0.066
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 103	DSI 8	633334	3500.01	14.93	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 103	DSI 8	633334	3500.01	14.93	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 103	DSI 8	633334	3500.01	14.67	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 103	DSI 8	633334	3500.01	14.67	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 103	DSI 8	633334	3500.01	14.67	16.00	24.5	8.5	0.17	0.073	0.060
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 103	DSI 8	633334	3500.01	14.67	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	10mm	Ant 103	DSI 8	650000	3750	14.42	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	10mm	Ant 103	DSI 8	650000	3750	14.42	16.00	24.5	8.5	0.07	0.127	0.110
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Left Side	10mm	Ant 103	DSI 8	650000	3750	14.42	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Top Side	10mm	Ant 103	DSI 8	650000	3750	14.42	16.00	24.5	8.5	-0.16	0.044	0.038
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 103	DSI 8	650000	3750	14.08	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 103	DSI 8	650000	3750	14.08	16.00	24.5	8.5	0.13	0.115	0.108
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 103	DSI 8	650000	3750	14.08	16.00	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 103	DSI 8	650000	3750	14.08	16.00	24.5	8.5	0.17	0.040	0.037

**15.3 Body Worn Accessory SAR**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	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																				
66	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	23095	707.5	23.63	25.00	1.371	-	-	-0.04	0.136	0.186
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	23095	707.5	23.63	25.00	1.371	-	-	-0.05	0.173	0.237
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 11	DSI 4	23095	707.5	22.66	24.00	1.361	-	-	-0.08	0.094	0.128
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 11	DSI 4	23095	707.5	22.66	24.00	1.361	-	-	-0.07	0.128	0.174
	LTE Band 12	10M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	23095	707.5	23.78	25.20	1.387	-	-	0.13	0.138	0.191
	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	23095	707.5	23.78	25.20	1.387	-	-	0.07	0.150	0.208
	LTE Band 12	10M	QPSK	25	0	-	Front	15mm	Ant 41	DSI 4	23095	707.5	22.75	24.20	1.396	-	-	-0.11	0.120	0.168
	LTE Band 12	10M	QPSK	25	0	-	Back	15mm	Ant 41	DSI 4	23095	707.5	22.75	24.20	1.396	-	-	0.17	0.135	0.189
67	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	23230	782	23.77	25.00	1.327	-	-	-0.12	0.119	0.158
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	23230	782	23.77	25.00	1.327	-	-	0.16	0.224	0.297
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 11	DSI 4	23230	782	22.71	24.00	1.346	-	-	0.07	0.097	0.131
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 11	DSI 4	23230	782	22.71	24.00	1.346	-	-	0.01	0.112	0.151
	LTE Band 13	10M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	23230	782	23.94	25.30	1.368	-	-	0.11	0.257	0.352
	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	23230	782	23.94	25.30	1.368	-	-	-0.05	0.360	0.492
	LTE Band 13	10M	QPSK	25	0	-	Front	15mm	Ant 41	DSI 4	23230	782	22.82	24.30	1.406	-	-	0.08	0.199	0.280
	LTE Band 13	10M	QPSK	25	0	-	Back	15mm	Ant 41	DSI 4	23230	782	22.82	24.30	1.406	-	-	-0.16	0.236	0.332
68	LTE Band 17	10M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	23790	710	23.62	25.00	1.374	-	-	0.14	0.122	0.168
	LTE Band 17	10M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	23790	710	23.62	25.00	1.374	-	-	0.09	0.104	0.143
	LTE Band 17	10M	QPSK	25	0	-	Front	15mm	Ant 11	DSI 4	23790	710	22.77	24.00	1.327	-	-	-0.07	0.117	0.155
	LTE Band 17	10M	QPSK	25	0	-	Back	15mm	Ant 11	DSI 4	23790	710	22.77	24.00	1.327	-	-	0.14	0.085	0.113
	LTE Band 17	10M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	23790	710	23.75	25.00	1.334	-	-	-0.07	0.150	0.200
	LTE Band 17	10M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	23790	710	23.75	25.00	1.334	-	-	0.07	0.162	0.216
	LTE Band 17	10M	QPSK	25	0	-	Front	15mm	Ant 41	DSI 4	23790	710	22.88	24.00	1.294	-	-	-0.14	0.130	0.168
	LTE Band 17	10M	QPSK	25	0	-	Back	15mm	Ant 41	DSI 4	23790	710	22.88	24.00	1.294	-	-	0.11	0.148	0.192
835MHz																				
69	GSM850	-	-	-	-	GPRS(2 Tx slots)	Front	15mm	Ant 11	DSI 4	189	836.4	28.42	30.00	1.439	-	-	0.03	0.068	0.098
	GSM850	-	-	-	-	GPRS(2 Tx slots)	Back	15mm	Ant 11	DSI 4	189	836.4	28.42	30.00	1.439	-	-	-0.06	0.198	0.285
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Front	15mm	Ant 11	DSI 4	384	836.52	22.16	23.50	1.361	-	-	0.17	0.136	0.185
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Back	15mm	Ant 11	DSI 4	384	836.52	22.16	23.50	1.361	-	-	-0.07	0.224	0.305
	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Front	15mm	Ant 41	DSI 4	384	836.52	22.94	24.00	1.276	-	-	0.17	0.086	0.110
70	CDMA BC0	-	-	-	-	RC3 SO32 (F+SCH)	Back	15mm	Ant 41	DSI 4	384	836.52	22.94	24.00	1.276	-	-	0.08	0.226	0.288
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 11	DSI 4	4182	836.4	22.49	24.00	1.416	-	-	0.05	0.122	0.173
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 11	DSI 4	4182	836.4	22.49	24.00	1.416	-	-	0.19	0.218	0.309
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 41	DSI 4	4182	836.4	23.01	24.50	1.409	-	-	0.14	0.183	0.258
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 41	DSI 4	4182	836.4	23.01	24.50	1.409	-	-	-0.01	0.231	0.326
72	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	20525	836.5	22.97	24.00	1.268	-	-	0.03	0.103	0.131
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	20525	836.5	22.97	24.00	1.268	-	-	-0.17	0.178	0.226
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 11	DSI 4	20525	836.5	22.77	24.00	1.327	-	-	0.05	0.125	0.166
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 11	DSI 4	20525	836.5	22.77	24.00	1.327	-	-	0.11	0.223	0.296
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	20525	836.5	23.95	25.00	1.274	-	-	0.12	0.201	0.256
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	20525	836.5	23.95	25.00	1.274	-	-	-0.04	0.246	0.313
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 41	DSI 4	20525	836.5	22.98	24.00	1.265	-	-	-0.15	0.171	0.216
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 41	DSI 4	20525	836.5	22.98	24.00	1.265	-	-	0.08	0.198	0.250
73	LTE Band 18	15M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	23925	822.5	22.79	24.00	1.321	-	-	-0.16	0.122	0.161
	LTE Band 18	15M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	23925	822.5	22.79	24.00	1.321	-	-	-0.15	0.159	0.210
	LTE Band 18	15M	QPSK	36	0	-	Front	15mm	Ant 11	DSI 4	23925	822.5	22.69	24.00	1.352	-	-	-0.13	0.128	0.173
	LTE Band 18	15M	QPSK	36	0	-	Back	15mm	Ant 11	DSI 4	23925	822.5	22.69	24.00	1.352	-	-	-0.05	0.200	0.270
	LTE Band 18	15M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	23925	822.5	23.86	25.00	1.300	-	-	0.02	0.133	0.173
	LTE Band 18	15M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	23925	822.5	23.86	25.00	1.300	-	-	-0.1	0.165	0.215
	LTE Band 18	15M	QPSK	36	0	-	Front	15mm	Ant 41	DSI 4	23925	822.5	22.71	24.00	1.346	-	-	-0.18	0.118	0.159
	LTE Band 18	15M	QPSK	36	0	-	Back	15mm	Ant 41	DSI 4	23925	822.5	22.71	24.00	1.346	-	-	-0.18	0.118	0.159



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	LTE Band 18	15M	QPSK	36	0	-	Back	15mm	Ant 41	DSI 4	23925	822.5	22.71	24.00	1.346	-	-	0.04	0.137	0.184
	LTE Band 19	15M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	24075	837.5	22.73	24.00	1.340	-	-	0.15	0.119	0.159
	LTE Band 19	15M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	24075	837.5	22.73	24.00	1.340	-	-	0.19	0.174	0.233
	LTE Band 19	15M	QPSK	36	0	-	Front	15mm	Ant 11	DSI 4	24075	837.5	22.61	24.00	1.377	-	-	-0.05	0.124	0.171
	LTE Band 19	15M	QPSK	36	0	-	Back	15mm	Ant 11	DSI 4	24075	837.5	22.61	24.00	1.377	-	-	-0.19	0.222	0.306
	LTE Band 19	15M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	24075	837.5	23.70	25.00	1.349	-	-	0.15	0.190	0.256
74	LTE Band 19	15M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	24075	837.5	23.70	25.00	1.349	-	-	-0.01	0.245	0.330
	LTE Band 19	15M	QPSK	36	0	-	Front	15mm	Ant 41	DSI 4	24075	837.5	22.64	24.00	1.368	-	-	0.16	0.165	0.226
	LTE Band 19	15M	QPSK	36	0	-	Back	15mm	Ant 41	DSI 4	24075	837.5	22.64	24.00	1.368	-	-	-0.16	0.192	0.263
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	26865	831.5	22.55	24.00	1.396	-	-	-0.08	0.118	0.165
75	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	26865	831.5	22.55	24.00	1.396	-	-	0.04	0.234	0.327
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 11	DSI 4	26865	831.5	21.63	23.00	1.371	-	-	0.11	0.098	0.134
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 11	DSI 4	26865	831.5	21.63	23.00	1.371	-	-	0.17	0.126	0.173
	LTE Band 26	15M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	26865	831.5	22.86	24.00	1.300	-	-	0.17	0.140	0.182
	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	26865	831.5	22.86	24.00	1.300	-	-	-0.08	0.182	0.237
	LTE Band 26	15M	QPSK	36	0	-	Front	15mm	Ant 41	DSI 4	26865	831.5	21.86	23.00	1.300	-	-	-0.12	0.119	0.155
	LTE Band 26	15M	QPSK	36	0	-	Back	15mm	Ant 41	DSI 4	26865	831.5	21.86	23.00	1.300	-	-	0.08	0.137	0.178
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 11	DSI 4	167300	836.5	23.58	24.50	1.236	-	-	-0.11	0.065	0.080
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 11	DSI 4	167300	836.5	23.58	24.50	1.236	-	-	-0.14	0.093	0.115
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 11	DSI 4	167300	836.5	23.56	24.50	1.242	-	-	-0.03	0.068	0.084
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 11	DSI 4	167300	836.5	23.56	24.50	1.242	-	-	-0.03	0.133	0.165
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 41	DSI 4	167300	836.5	23.74	24.50	1.191	-	-	0.14	0.169	0.201
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 41	DSI 4	167300	836.5	23.74	24.50	1.191	-	-	-0.07	0.197	0.235
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 41	DSI 4	167300	836.5	23.67	24.50	1.211	-	-	0.18	0.190	0.230
76	FR1 n5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 41	DSI 4	167300	836.5	23.67	24.50	1.211	-	-	0.07	0.243	0.294
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 13	DSI 4	1413	1732.6	20.89	22.50	1.449	-	-	-0.02	0.265	0.384
77	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 13	DSI 4	1413	1732.6	20.89	22.50	1.449	-	-	-0.07	0.338	0.490
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 31	DSI 4	1413	1732.6	21.35	22.50	1.303	-	-	-0.16	0.126	0.164
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 31	DSI 4	1413	1732.6	21.35	22.50	1.303	-	-	-0.01	0.221	0.288
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	20175	1732.5	21.39	22.00	1.151	-	-	-0.1	0.201	0.231
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	20175	1732.5	21.39	22.00	1.151	-	-	-0.06	0.229	0.264
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	20175	1732.5	21.07	22.00	1.239	-	-	0.16	0.240	0.297
78	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	20175	1732.5	21.07	22.00	1.239	-	-	0.02	0.289	0.358
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	20175	1732.5	20.99	21.50	1.125	-	-	-0.16	0.107	0.120
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	20175	1732.5	20.99	21.50	1.125	-	-	-0.13	0.189	0.213
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	20175	1732.5	20.88	21.50	1.153	-	-	0.05	0.109	0.126
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	20175	1732.5	20.88	21.50	1.153	-	-	-0.13	0.209	0.241
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	20175	1732.5	19.54	20.50	1.247	-	-	-0.15	0.089	0.111
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	20175	1732.5	19.54	20.50	1.247	-	-	-0.16	0.106	0.132
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	20175	1732.5	19.48	20.50	1.265	-	-	-0.13	0.091	0.115
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	20175	1732.5	19.48	20.50	1.265	-	-	-0.18	0.141	0.178
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	132322	1745	21.32	22.00	1.169	-	-	-0.01	0.236	0.276
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	132322	1745	21.32	22.00	1.169	-	-	0.05	0.238	0.278
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	132322	1745	21.25	22.00	1.189	-	-	-0.1	0.249	0.296
79	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	132322	1745	21.25	22.00	1.189	-	-	0.02	0.285	0.339
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	132322	1745	21.35	22.00	1.161	-	-	-0.05	0.100	0.116
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	132322	1745	21.35	22.00	1.161	-	-	0.15	0.187	0.217
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	132322	1745	21.26	22.00	1.186	-	-	0.19	0.102	0.121
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	132322	1745	21.26	22.00	1.186	-	-	0.08	0.230	0.273
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	132322	1745	19.50	20.50	1.259	-	-	0.16	0.082	0.103
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	132322	1745	19.50	20.50	1.259	-	-	0.1	0.103	0.130
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	132322	1745	19.28	20.50	1.324	-	-	0.08	0.088	0.117
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	132322	1745	19.28	20.50	1.324	-	-	-0.16	0.130	0.172
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	15mm	Ant 13	DSI 4	349000	1745	20.65	21.30	1.161	-	-	0.17	0.058	0.067
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	15mm	Ant 13	DSI 4	349000	1745	20.65	21.30	1.161	-	-	0.15	0.201	0.233



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	FR1 n66	30M	BPSK	80	40	DFT-15	Front	15mm	Ant 13	DSI 4	349000	1745	20.61	21.30	1.172	-	-	-0.18	0.061	0.072
80	FR1 n66	30M	BPSK	80	40	DFT-15	Back	15mm	Ant 13	DSI 4	349000	1745	20.61	21.30	1.172	-	-	0.08	0.255	0.299
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	15mm	Ant 31	DSI 4	349000	1745	21.11	22.00	1.227	-	-	-0.05	0.125	0.153
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	15mm	Ant 31	DSI 4	349000	1745	21.11	22.00	1.227	-	-	0.12	0.209	0.257
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	15mm	Ant 31	DSI 4	349000	1745	20.85	22.00	1.303	-	-	-0.05	0.120	0.156
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	15mm	Ant 31	DSI 4	349000	1745	20.85	22.00	1.303	-	-	-0.06	0.169	0.220
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	15mm	Ant 25	DSI 4	349000	1745	19.12	19.80	1.169	-	-	0.06	0.064	0.075
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	15mm	Ant 25	DSI 4	349000	1745	19.12	19.80	1.169	-	-	0.17	0.083	0.097
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	15mm	Ant 25	DSI 4	349000	1745	18.86	19.80	1.242	-	-	0.11	0.066	0.082
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	15mm	Ant 25	DSI 4	349000	1745	18.86	19.80	1.242	-	-	0.08	0.106	0.132
1900MHz																				
81	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Front	15mm	Ant 13	DSI 4	661	1880	23.57	25.50	1.560	-	-	0.05	0.207	0.323
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Back	15mm	Ant 13	DSI 4	661	1880	23.57	25.50	1.560	-	-	0.17	0.120	0.187
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Front	15mm	Ant 31	DSI 4	661	1880	24.25	26.00	1.496	-	-	0.08	0.066	0.099
	GSM1900	-	-	-	-	GPRS(3 Tx slots)	Back	15mm	Ant 31	DSI 4	661	1880	24.25	26.00	1.496	-	-	-0.17	0.183	0.274
82	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 13	DSI 4	9400	1880	20.47	22.00	1.422	-	-	0.06	0.248	0.353
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 13	DSI 4	9400	1880	20.47	22.00	1.422	-	-	0.19	0.201	0.286
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 31	DSI 4	9400	1880	21.28	22.30	1.265	-	-	-0.18	0.102	0.129
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 31	DSI 4	9400	1880	21.28	22.30	1.265	-	-	-0.07	0.195	0.247
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	18900	1880	20.67	21.50	1.211	-	-	-0.09	0.204	0.247
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	18900	1880	20.67	21.50	1.211	-	-	0.04	0.188	0.228
83	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	18900	1880	20.43	21.50	1.279	-	-	0.06	0.227	0.290
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	18900	1880	20.43	21.50	1.279	-	-	-0.14	0.196	0.251
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	18900	1880	20.94	21.50	1.138	-	-	-0.03	0.091	0.104
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	18900	1880	20.94	21.50	1.138	-	-	-0.17	0.177	0.201
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	18900	1880	20.69	21.50	1.205	-	-	-0.04	0.086	0.104
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	18900	1880	20.69	21.50	1.205	-	-	0.15	0.133	0.160
	FR1 n2	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 13	DSI 4	376000	1880	19.31	20.30	1.256	-	-	-0.15	0.042	0.053
	FR1 n2	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 13	DSI 4	376000	1880	19.31	20.30	1.256	-	-	-	n/a	n/a
	FR1 n2	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 13	DSI 4	376000	1880	19.18	20.30	1.294	-	-	0.05	0.033	0.043
	FR1 n2	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 13	DSI 4	376000	1880	19.18	20.30	1.294	-	-	-	n/a	n/a
	FR1 n2	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 31	DSI 4	376000	1880	21.31	22.00	1.172	-	-	0.04	0.110	0.129
	FR1 n2	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 31	DSI 4	376000	1880	21.31	22.00	1.172	-	-	0.08	0.175	0.205
	FR1 n2	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 31	DSI 4	376000	1880	21.13	22.00	1.222	-	-	-0.19	0.110	0.134
84	FR1 n2	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 31	DSI 4	376000	1880	21.13	22.00	1.222	-	-	-0.17	0.201	0.246
2450MHz																				
	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Front	15mm	Ant 24+23	Reduced Level 1	1	2412	20.87	22.50	1.455	100	1.000	-0.13	0.066	0.096
85	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	15mm	Ant 24+23	Reduced Level 1	1	2412	20.87	22.50	1.455	100	1.000	-0.01	0.076	0.111
	Bluetooth	-	-	-	-	DH5 1Mbps	Front	15mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	0.12	0.008	0.014
	Bluetooth	-	-	-	-	DH5 1Mbps	Back	15mm	Ant 24	Full	39	2441	10.70	12.00	1.349	76.52	1.307	0.09	0.012	0.020
	Bluetooth	-	-	-	-	DH5 1Mbps	Front	15mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	-0.17	0.013	0.021
86	Bluetooth	-	-	-	-	DH5 1Mbps	Back	15mm	Ant 23	Full	39	2441	13.40	14.50	1.288	76.79	1.302	0.1	0.013	0.022
2600MHz																				
87	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	21100	2535	22.65	23.00	1.084	-	-	0.05	0.265	0.287
	LTE Band 7C	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	21100+20902	2535+2515.2	21.91	23.00	1.285	-	-	-0.17	0.201	0.258
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	21100	2535	22.65	23.00	1.084	-	-	0.07	0.230	0.249
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	21100	2535	22.59	23.00	1.099	-	-	0.14	0.231	0.254
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	21100	2535	22.59	23.00	1.099	-	-	-0.17	0.225	0.247
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	21100	2535	21.45	22.00	1.135	-	-	-0.13	0.087	0.099
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	21100	2535	21.45	22.00	1.135	-	-	0.05	0.223	0.253
	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	21100+20902	2535+2515.2	20.89	22.00	1.291	-	-	0.1	0.185	0.239
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	21100	2535	21.37	22.00	1.156	-	-	-0.04	0.084	0.097
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	21100	2535	21.37	22.00	1.156	-	-	0.11	0.205	0.237
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	21100	2535	20.82	21.50	1.169	-	-	-0.09	0.077	0.090
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	21100	2535	20.82	21.50	1.169	-	-	0.14	0.137	0.160



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	LTE Band 7C	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	21100 +20902	2535 +2515.2	20.58	21.50	1.236	-	-	-0.01	0.116	0.143
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	21100	2535	20.71	21.50	1.199	-	-	-0.12	0.081	0.097
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	21100	2535	20.71	21.50	1.199	-	-	0.05	0.104	0.125
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	38000	2595	22.96	23.70	1.186	62.9	1.006	0.04	0.173	0.206
	LTE Band 38C	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	37901 +38099	2585.1 +2604.9	22.69	23.70	1.262	62.9	1.006	-0.12	0.142	0.180
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	38000	2595	22.96	23.70	1.186	62.9	1.006	0.03	0.129	0.154
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	38000	2595	22.45	23.20	1.189	62.9	1.006	-0.09	0.143	0.171
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	38000	2595	22.45	23.20	1.189	62.9	1.006	0.03	0.106	0.127
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	38000	2595	22.99	24.00	1.262	62.9	1.006	0.19	0.075	0.095
88	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	38000	2595	22.99	24.00	1.262	62.9	1.006	-0.06	0.228	0.289
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	37901 +38099	2585.1 +2604.9	22.88	24.00	1.294	62.9	1.006	-0.19	0.176	0.229
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	38000	2595	22.87	24.00	1.297	62.9	1.006	0.03	0.103	0.134
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	38000	2595	22.87	24.00	1.297	62.9	1.006	-0.12	0.189	0.247
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	38000	2595	22.35	23.50	1.303	62.9	1.006	-0.1	0.077	0.101
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	38000	2595	22.35	23.50	1.303	62.9	1.006	-0.08	0.134	0.176
	LTE Band 38C	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	37901 +38099	2585.1 +2604.9	22.24	23.50	1.337	62.9	1.006	-0.1	0.118	0.159
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	38000	2595	22.33	23.50	1.309	62.9	1.006	0.15	0.074	0.097
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	38000	2595	22.33	23.50	1.309	62.9	1.006	0.02	0.126	0.166
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	40620	2593	22.84	23.50	1.164	62.9	1.006	0.03	0.191	0.224
	LTE Band 41C	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	40620 +40422	2593 +2573.2	22.51	23.50	1.256	62.9	1.006	-0.09	0.171	0.216
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	40620	2593	22.84	23.50	1.164	62.9	1.006	0.16	0.129	0.151
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	40620	2593	22.45	23.00	1.135	62.9	1.006	0.08	0.147	0.168
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	40620	2593	22.45	23.00	1.135	62.9	1.006	-0.05	0.107	0.122
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	40620	2593	23.16	24.00	1.213	62.9	1.006	0.07	0.084	0.103
89	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	40620	2593	23.16	24.00	1.213	62.9	1.006	-0.12	0.228	0.278
	LTE Band 41C	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	40620 +40422	2593 +2573.2	22.88	24.00	1.294	62.9	1.006	0.15	0.185	0.241
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	40620	2593	22.96	24.00	1.271	62.9	1.006	0.19	0.076	0.097
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	40620	2593	22.96	24.00	1.271	62.9	1.006	-0.03	0.207	0.265
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	40620	2593	22.37	23.50	1.297	62.9	1.006	-0.11	0.080	0.104
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	40620	2593	22.37	23.50	1.297	62.9	1.006	0.12	0.141	0.184
	LTE Band 41C	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	40620 +40422	2593 +2573.2	22.08	23.50	1.387	62.9	1.006	-0.1	0.124	0.173
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	40620	2593	22.26	23.50	1.330	62.9	1.006	0.03	0.077	0.103
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	40620	2593	22.26	23.50	1.330	62.9	1.006	0.17	0.122	0.163
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 13	DSI 4	507000	2535	21.23	22.20	1.250	-	-	0.13	0.035	0.043
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 13	DSI 4	507000	2535	21.23	22.20	1.250	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 13	DSI 4	507000	2535	21.19	22.20	1.262	-	-	0.02	0.030	0.038
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 13	DSI 4	507000	2535	21.19	22.20	1.262	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 31	DSI 4	507000	2535	21.16	22.30	1.300	-	-	-0.13	0.097	0.126
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 31	DSI 4	507000	2535	21.16	22.30	1.300	-	-	0.18	0.192	0.250
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 31	DSI 4	507000	2535	20.89	22.30	1.384	-	-	-0.11	0.091	0.126
90	FR1 n7	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 31	DSI 4	507000	2535	20.89	22.30	1.384	-	-	0.01	0.225	0.311
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 25	DSI 4	507000	2535	20.22	21.20	1.253	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 25	DSI 4	507000	2535	20.22	21.20	1.253	-	-	-0.14	0.037	0.046
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 25	DSI 4	507000	2535	20.09	21.20	1.291	-	-	-	n/a	n/a
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 25	DSI 4	507000	2535	20.09	21.20	1.291	-	-	0.01	0.031	0.040
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 13	DSI 4	519000	2595	22.13	23.20	1.279	-	-	0.02	0.036	0.046
	FR1 n38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	519000	2595	22.13	23.20	1.279	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 13	DSI 4	519000	2595	21.99	23.20	1.321	-	-	-0.06	0.034	0.045
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 13	DSI 4	519000	2595	21.99	23.20	1.321	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 31	DSI 4	519000	2595	21.29	22.00	1.178	-	-	-0.11	0.095	0.112
91	FR1 n38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 31	DSI 4	519000	2595	21.29	22.00	1.178	-	-	0.05	0.235	0.277
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 31	DSI 4	519000	2595	20.98	22.00	1.265	-	-	0.11	0.086	0.109
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 31	DSI 4	519000	2595	20.98	22.00	1.265	-	-	0.13	0.178	0.225
	FR1 n38	40M	BPSK	1	1	DFT-30	Front	15mm	Ant 25	DSI 4	519000	2595	19.18	20.50	1.355	-	-	-	n/a	n/a



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	FR1 n38	40M	BPSK	1	1	DFT-30	Back	15mm	Ant 25	DSI 4	519000	2595	19.18	20.50	1.355	-	-	-0.13	0.100	0.135
	FR1 n38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 25	DSI 4	519000	2595	19.08	20.50	1.387	-	-	-	n/a	n/a
	FR1 n38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 25	DSI 4	519000	2595	19.08	20.50	1.387	-	-	-0.03	0.092	0.128
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 13	DSI 4	518598	2592.99	22.07	23.00	1.239	-	-	0.19	0.038	0.047
	FR1 n41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 13	DSI 4	518598	2592.99	22.07	23.00	1.239	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 13	DSI 4	518598	2592.99	21.78	23.00	1.324	-	-	0.09	0.032	0.042
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 13	DSI 4	518598	2592.99	21.78	23.00	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 31	DSI 4	518598	2592.99	21.15	21.80	1.161	-	-	0.09	0.093	0.108
92	FR1 n41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 31	DSI 4	518598	2592.99	21.15	21.80	1.161	-	-	0.04	0.213	0.247
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 31	DSI 4	518598	2592.99	20.62	21.80	1.312	-	-	-0.15	0.081	0.106
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 31	DSI 4	518598	2592.99	20.62	21.80	1.312	-	-	0.17	0.152	0.199
	FR1 n41	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 25	DSI 4	518598	2592.99	20.28	21.50	1.324	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 25	DSI 4	518598	2592.99	20.28	21.50	1.324	-	-	0.07	0.027	0.036
	FR1 n41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 25	DSI 4	518598	2592.99	20.25	21.50	1.334	-	-	-	n/a	n/a
	FR1 n41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 25	DSI 4	518598	2592.99	20.25	21.50	1.334	-	-	-0.11	0.033	0.044
3500~3900MHz																				
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Front	15mm	Ant 12	DSI 4	42590	3500	24.30	25.00	1.175	62.9	1.006	0.15	0.259	0.306
93	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Back	15mm	Ant 12	DSI 4	42590	3500	24.30	25.00	1.175	62.9	1.006	0.03	0.428	0.506
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Front	15mm	Ant 12	DSI 4	42590	3500	23.26	24.00	1.186	62.9	1.006	-0.19	0.209	0.249
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Back	15mm	Ant 12	DSI 4	42590	3500	23.26	24.00	1.186	62.9	1.006	-0.18	0.254	0.303
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Front	15mm	Ant 24	DSI 4	42590	3500	20.87	21.80	1.239	62.9	1.006	0.19	0.072	0.090
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Back	15mm	Ant 24	DSI 4	42590	3500	20.87	21.80	1.239	62.9	1.006	0.15	0.107	0.133
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Front	15mm	Ant 24	DSI 4	42590	3500	20.69	21.80	1.291	62.9	1.006	-0.05	0.072	0.094
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Back	15mm	Ant 24	DSI 4	42590	3500	20.69	21.80	1.291	62.9	1.006	0.03	0.108	0.140
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	633334	3500.01	23.27	24.30	1.268	-	-	0.18	0.045	0.057
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	633334	3500.01	23.27	24.30	1.268	-	-	0.1	0.048	0.061
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	633334	3500.01	23.12	24.30	1.312	-	-	0.05	0.043	0.056
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	633334	3500.01	23.12	24.30	1.312	-	-	0.14	0.045	0.059
	FR1 n77(Part27O)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	656000	3840	23.21	24.30	1.285	-	-	-	n/a	n/a
	FR1 n77(Part27O)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	656000	3840	23.21	24.30	1.285	-	-	-	n/a	n/a
	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	656000	3840	23.03	24.30	1.340	-	-	-	n/a	n/a
	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	656000	3840	23.03	24.30	1.340	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	633334	3500.01	18.43	19.30	1.222	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	633334	3500.01	18.43	19.30	1.222	-	-	0.06	0.044	0.054
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	633334	3500.01	18.37	19.30	1.239	-	-	-	n/a	n/a
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	633334	3500.01	18.37	19.30	1.239	-	-	-0.03	0.050	0.062
	FR1 n77(Part27O)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	656000	3840	18.31	19.30	1.256	-	-	-	n/a	n/a
	FR1 n77(Part27O)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	656000	3840	18.31	19.30	1.256	-	-	-0.07	0.042	0.053
	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	656000	3840	18.11	19.30	1.315	-	-	-	n/a	n/a
94	FR1 n77(Part27O)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	656000	3840	18.11	19.30	1.315	-	-	0.08	0.048	0.063
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	633334	3500.01	23.35	24.00	1.161	-	-	0.06	0.040	0.046
95	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	633334	3500.01	23.35	24.00	1.161	-	-	-0.03	0.068	0.079
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	633334	3500.01	23.34	24.00	1.164	-	-	-0.08	0.038	0.044
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	633334	3500.01	23.34	24.00	1.164	-	-	0.12	0.049	0.057
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	650000	3750	23.08	24.00	1.236	-	-	-0.13	0.035	0.043
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	650000	3750	23.08	24.00	1.236	-	-	-0.19	0.043	0.053
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	650000	3750	22.68	24.00	1.355	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	650000	3750	22.68	24.00	1.355	-	-	0.18	0.041	0.056
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	633334	3500.01	18.35	19.30	1.245	-	-	-	n/a	n/a
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	633334	3500.01	18.35	19.30	1.245	-	-	0.13	0.045	0.056
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	633334	3500.01	18.31	19.30	1.256	-	-	-	n/a	n/a
	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	633334	3500.01	18.31	19.30	1.256	-	-	-0.16	0.048	0.060
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	650000	3750	18.33	19.30	1.250	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	650000	3750	18.33	19.30	1.250	-	-	0.19	0.047	0.059
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	650000	3750	18.18	19.30	1.294	-	-	-	n/a	n/a
	FR1 n78(Part27O)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	650000	3750	18.18	19.30	1.294	-	-	0.07	0.061	0.078



5000MHz																				
	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Front	15mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	0.15	0.134	0.206
96	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Back	15mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	-0.16	0.281	0.431
	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Front	15mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	0.17	0.230	0.359
97	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Back	15mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	-0.07	0.264	0.412
	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Front	15mm	Ant 23+24	Reduced Level 1	155	5775	15.12	17.00	1.543	100	1.000	0.05	0.060	0.093
98	WLAN5.8GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	15mm	Ant 23+24	Reduced Level 1	155	5775	15.12	17.00	1.543	100	1.000	-0.05	0.067	0.103

<Standalone SRS SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 101	DSI 4	633334	3500.01	20.39	21.50	25.00	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 101	DSI 4	633334	3500.01	20.39	21.50	25.00	8.5	0.15	0.050	0.012
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 101	DSI 4	633334	3500.01	20.30	21.50	25.00	8.5	0.18	0.039	0.010
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 101	DSI 4	633334	3500.01	20.30	21.50	25.00	8.5	-0.17	0.056	0.014
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 101	DSI 4	650000	3750	20.68	21.50	25.00	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 101	DSI 4	650000	3750	20.68	21.50	25.00	8.5	0.06	0.078	0.018
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 101	DSI 4	650000	3750	20.68	21.50	25.00	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 101	DSI 4	650000	3750	20.68	21.50	25.00	8.5	0.14	0.064	0.015
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 103	DSI 4	633334	3500.01	20.36	21.50	24.50	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 103	DSI 4	633334	3500.01	20.36	21.50	24.50	8.5	-0.09	0.073	0.016
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 103	DSI 4	633334	3500.01	20.27	21.50	24.50	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 103	DSI 4	633334	3500.01	20.27	21.50	24.50	8.5	-0.03	0.067	0.015
	FR1 n78	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 103	DSI 4	650000	3750	19.78	21.50	24.50	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 103	DSI 4	650000	3750	19.78	21.50	24.50	8.5	0.11	0.123	0.031
	FR1 n78	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 103	DSI 4	650000	3750	19.63	21.50	24.50	8.5	-	n/a	n/a
	FR1 n78	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 103	DSI 4	650000	3750	19.63	21.50	24.50	8.5	-0.02	0.085	0.022

<EN-DC 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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
835MHz																				
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 11	DSI 4	20525	836.5	21.97	23.00	1.268	-	-	-0.18	0.104	0.132
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 11	DSI 4	20525	836.5	21.97	23.00	1.268	-	-	-0.19	0.137	0.174
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 11	DSI 4	20525	836.5	21.86	23.00	1.300	-	-	-0.04	0.106	0.138
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 11	DSI 4	20525	836.5	21.86	23.00	1.300	-	-	0.16	0.140	0.182
	LTE Band 5	10M	QPSK	1	0	-	Front	15mm	Ant 41	DSI 4	20525	836.5	23.95	25.00	1.274	-	-	0.11	0.165	0.210
	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 41	DSI 4	20525	836.5	23.95	25.00	1.274	-	-	-0.12	0.195	0.248
	LTE Band 5	10M	QPSK	25	0	-	Front	15mm	Ant 41	DSI 4	20525	836.5	22.98	24.00	1.265	-	-	-0.12	0.201	0.254
	LTE Band 5	10M	QPSK	25	0	-	Back	15mm	Ant 41	DSI 4	20525	836.5	22.98	24.00	1.265	-	-	0.05	0.243	0.307
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 11	DSI 4	167300	836.5	22.20	23.50	1.349	-	-	0.04	0.115	0.155
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 11	DSI 4	167300	836.5	22.20	23.50	1.349	-	-	-0.07	0.190	0.256
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 11	DSI 4	167300	836.5	22.05	23.50	1.396	-	-	0.19	0.119	0.166
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 11	DSI 4	167300	836.5	22.05	23.50	1.396	-	-	-0.06	0.194	0.271
	FR1 n5	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 41	DSI 4	167300	836.5	23.53	24.50	1.250	-	-	-0.1	0.176	0.220
	FR1 n5	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 41	DSI 4	167300	836.5	23.53	24.50	1.250	-	-	-0.17	0.201	0.251
	FR1 n5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 41	DSI 4	167300	836.5	23.51	24.50	1.256	-	-	-0.1	0.205	0.257
	FR1 n5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 41	DSI 4	167300	836.5	23.51	24.50	1.256	-	-	0.13	0.219	0.275
1750MHz																				
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	20175	1732.5	20.29	21.00	1.178	-	-	-0.16	0.195	0.230
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	20175	1732.5	20.29	21.00	1.178	-	-	-0.12	0.185	0.218
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	20175	1732.5	20.15	21.00	1.216	-	-	0.06	0.259	0.315
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	20175	1732.5	20.15	21.00	1.216	-	-	0.11	0.206	0.251
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	20175	1732.5	20.35	21.00	1.161	-	-	-0.03	0.101	0.117



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	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	20175	1732.5	20.35	21.00	1.161	-	-	-0.1	0.168	0.195
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	20175	1732.5	20.24	21.00	1.191	-	-	0.07	0.104	0.124
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	20175	1732.5	20.24	21.00	1.191	-	-	-0.05	0.166	0.198
	LTE Band 4	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	20175	1732.5	18.40	19.50	1.288	-	-	-0.17	0.081	0.104
	LTE Band 4	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	20175	1732.5	18.40	19.50	1.288	-	-	-0.11	0.093	0.120
	LTE Band 4	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	20175	1732.5	18.36	19.50	1.300	-	-	-0.17	0.078	0.101
	LTE Band 4	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	20175	1732.5	18.36	19.50	1.300	-	-	-0.11	0.091	0.118
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	132322	1745	20.33	21.00	1.167	-	-	-0.02	0.263	0.307
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	132322	1745	20.33	21.00	1.167	-	-	-0.09	0.208	0.243
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	132322	1745	20.19	21.00	1.205	-	-	-0.13	0.188	0.227
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	132322	1745	20.19	21.00	1.205	-	-	0.13	0.181	0.218
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	132322	1745	20.49	21.00	1.125	-	-	-0.13	0.099	0.111
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	132322	1745	20.49	21.00	1.125	-	-	-0.01	0.154	0.173
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	132322	1745	20.24	21.00	1.191	-	-	-0.19	0.101	0.120
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	132322	1745	20.24	21.00	1.191	-	-	-0.06	0.159	0.189
	LTE Band 66	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	132322	1745	18.53	19.50	1.250	-	-	-0.07	0.070	0.088
	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	132322	1745	18.53	19.50	1.250	-	-	0.09	0.078	0.098
	LTE Band 66	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	132322	1745	18.43	19.50	1.279	-	-	-0.06	0.066	0.084
	LTE Band 66	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	132322	1745	18.43	19.50	1.279	-	-	-0.06	0.074	0.095
	FR1 n66	30M	BPSK	1	1	DFT-15	Front	15mm	Ant 13	DSI 4	349000	1745	20.09	21.00	1.233	-	-	-0.1	0.203	0.250
	FR1 n66	30M	BPSK	1	1	DFT-15	Back	15mm	Ant 13	DSI 4	349000	1745	20.09	21.00	1.233	-	-	-0.02	0.209	0.258
	FR1 n66	30M	BPSK	80	40	DFT-15	Front	15mm	Ant 13	DSI 4	349000	1745	19.92	21.00	1.282	-	-	-0.04	0.205	0.263
	FR1 n66	30M	BPSK	80	40	DFT-15	Back	15mm	Ant 13	DSI 4	349000	1745	19.92	21.00	1.282	-	-	0.08	0.211	0.271
1900MHz																				
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	18900	1880	19.58	20.50	1.236	-	-	0.1	0.171	0.211
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	18900	1880	19.58	20.50	1.236	-	-	-0.17	0.121	0.150
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	18900	1880	19.33	20.50	1.309	-	-	0.02	0.173	0.226
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	18900	1880	19.33	20.50	1.309	-	-	-0.02	0.123	0.161
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	18900	1880	19.69	20.50	1.205	-	-	0.14	0.072	0.087
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	18900	1880	19.69	20.50	1.205	-	-	0.01	0.115	0.139
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	18900	1880	19.65	20.50	1.216	-	-	0.14	0.079	0.096
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	18900	1880	19.65	20.50	1.216	-	-	0.06	0.123	0.150
	LTE Band 2	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	18900	1880	18.15	19.00	1.216	-	-	-0.19	0.013	0.015
	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	18900	1880	18.15	19.00	1.216	-	-	-0.19	0.014	0.017
	LTE Band 2	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	18900	1880	17.85	19.00	1.303	-	-	-0.18	0.009	0.012
	LTE Band 2	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	18900	1880	17.85	19.00	1.303	-	-	0.07	0.013	0.017
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	21100	2535	21.57	22.00	1.104	-	-	0.05	0.200	0.221
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	21100	2535	21.57	22.00	1.104	-	-	0.04	0.165	0.182
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	21100	2535	21.53	22.00	1.114	-	-	0.07	0.235	0.262
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	21100	2535	21.53	22.00	1.114	-	-	-0.02	0.165	0.184
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	21100	2535	20.52	21.00	1.117	-	-	0.06	0.063	0.070
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	21100	2535	20.52	21.00	1.117	-	-	-0.17	0.133	0.149
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	21100	2535	20.37	21.00	1.156	-	-	-0.1	0.064	0.074
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	21100	2535	20.37	21.00	1.156	-	-	-0.12	0.142	0.164
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	21100	2535	19.47	20.50	1.268	-	-	-0.05	0.062	0.079
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	21100	2535	19.47	20.50	1.268	-	-	0.06	0.093	0.118
	LTE Band 7	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	21100	2535	19.46	20.50	1.271	-	-	0.16	0.061	0.078
	LTE Band 7	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	21100	2535	19.46	20.50	1.271	-	-	0.1	0.092	0.117
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	38000	2595	21.99	22.70	1.178	62.9	1.590	0.18	0.117	0.219
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	38000	2595	21.99	22.70	1.178	62.9	1.590	0.03	0.092	0.172
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	38000	2595	21.91	22.70	1.199	62.9	1.590	0.12	0.111	0.212
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	38000	2595	21.91	22.70	1.199	62.9	1.590	0.12	0.091	0.174
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	38000	2595	22.39	23.00	1.151	62.9	1.590	-0.05	0.063	0.115
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	38000	2595	22.39	23.00	1.151	62.9	1.590	-0.07	0.143	0.262
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	38000	2595	22.39	23.00	1.151	62.9	1.590	0.02	0.064	0.117



	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	38000	2595	22.39	23.00	1.151	62.9	1.590	0.15	0.152	0.278
	LTE Band 38	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	38000	2595	21.08	22.50	1.387	62.9	1.590	0.01	0.062	0.137
	LTE Band 38	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	38000	2595	21.08	22.50	1.387	62.9	1.590	0.14	0.096	0.212
	LTE Band 38	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	38000	2595	20.99	22.50	1.416	62.9	1.590	0.09	0.062	0.140
	LTE Band 38	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	38000	2595	20.99	22.50	1.416	62.9	1.590	0.07	0.095	0.214
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 13	DSI 4	40620	2593	22.05	22.50	1.109	62.9	1.590	0.12	0.111	0.196
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 13	DSI 4	40620	2593	22.05	22.50	1.109	62.9	1.590	0.14	0.095	0.168
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 13	DSI 4	40620	2593	21.96	22.50	1.132	62.9	1.590	0.15	0.115	0.207
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 13	DSI 4	40620	2593	21.96	22.50	1.132	62.9	1.590	0.13	0.093	0.167
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 31	DSI 4	40620	2593	22.36	23.00	1.159	62.9	1.590	0.12	0.067	0.123
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 31	DSI 4	40620	2593	22.36	23.00	1.159	62.9	1.590	-0.19	0.145	0.267
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 31	DSI 4	40620	2593	22.28	23.00	1.180	62.9	1.590	-0.09	0.063	0.118
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 31	DSI 4	40620	2593	22.28	23.00	1.180	62.9	1.590	-0.15	0.134	0.251
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 25	DSI 4	40620	2593	20.99	22.50	1.416	62.9	1.590	0.15	0.065	0.146
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 25	DSI 4	40620	2593	20.99	22.50	1.416	62.9	1.590	-0.02	0.096	0.216
	LTE Band 41	20M	QPSK	50	0	-	Front	15mm	Ant 25	DSI 4	40620	2593	20.92	22.50	1.439	62.9	1.590	0.08	0.059	0.135
	LTE Band 41	20M	QPSK	50	0	-	Back	15mm	Ant 25	DSI 4	40620	2593	20.92	22.50	1.439	62.9	1.590	-0.13	0.093	0.213
	FR1 n7	20M	BPSK	1	1	DFT-15	Front	15mm	Ant 13	DSI 4	507000	2535	21.41	22.30	1.227	-	-	0.12	0.219	0.269
	FR1 n7	20M	BPSK	1	1	DFT-15	Back	15mm	Ant 13	DSI 4	507000	2535	21.41	22.30	1.227	-	-	-0.04	0.222	0.272
	FR1 n7	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 13	DSI 4	507000	2535	21.30	22.30	1.259	-	-	0.03	0.211	0.266
	FR1 n7	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 13	DSI 4	507000	2535	21.30	22.30	1.259	-	-	0.09	0.214	0.269
3500~3900MHz																				
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	333334	3500.01	22.12	23.00	1.225	-	-	0.12	0.032	0.039
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	333334	3500.01	22.12	23.00	1.225	-	-	0.16	0.045	0.055
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	333334	3500.01	21.82	23.00	1.312	-	-	0.12	0.025	0.033
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	333334	3500.01	21.82	23.00	1.312	-	-	0.06	0.038	0.050
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 12	DSI 4	650000	3750	22.22	23.00	1.197	-	-	-0.18	0.026	0.031
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 12	DSI 4	650000	3750	22.22	23.00	1.197	-	-	-0.19	0.032	0.038
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 12	DSI 4	650000	3750	21.98	23.00	1.265	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 12	DSI 4	650000	3750	21.98	23.00	1.265	-	-	-0.11	0.035	0.044
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	333334	3500.01	17.62	18.30	1.169	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	333334	3500.01	17.62	18.30	1.169	-	-	0.05	0.028	0.033
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	333334	3500.01	17.51	18.30	1.199	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	333334	3500.01	17.51	18.30	1.199	-	-	0.1	0.032	0.038
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 24	DSI 4	650000	3750	17.58	18.30	1.180	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 24	DSI 4	650000	3750	17.58	18.30	1.180	-	-	0.04	0.048	0.057
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 24	DSI 4	650000	3750	17.44	18.30	1.219	-	-	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 24	DSI 4	650000	3750	17.44	18.30	1.219	-	-	-0.02	0.051	0.062



<EN-DC SRS SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured Plimit (dBm)	Reported Plimit (dBm)	Reported Pmax (dBm)	Duty Cycle %	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 101	DSI 4	633334	3500.01	20.04	25.0	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 101	DSI 4	633334	3500.01	20.04	25.0	25.0	8.5	0.09	0.060	0.016
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 101	DSI 4	633334	3500.01	19.99	21.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 101	DSI 4	633334	3500.01	19.99	21.00	25.0	8.5	0.01	0.054	0.015
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 101	DSI 4	650000	3750	20.03	21.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 101	DSI 4	650000	3750	20.03	21.00	25.0	8.5	0.04	0.053	0.014
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 101	DSI 4	650000	3750	19.97	21.00	25.0	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 101	DSI 4	650000	3750	19.97	21.00	25.0	8.5	-0.13	0.048	0.013
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 103	DSI 4	633334	3500.01	19.45	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 103	DSI 4	633334	3500.01	19.45	20.50	24.5	8.5	-0.01	0.089	0.024
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 103	DSI 4	633334	3500.01	19.26	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 103	DSI 4	633334	3500.01	19.26	20.50	24.5	8.5	0.1	0.075	0.021
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Front	15mm	Ant 103	DSI 4	650000	3750	18.92	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	1	1	DFT-30	Back	15mm	Ant 103	DSI 4	650000	3750	18.92	20.50	24.5	8.5	-0.01	0.020	0.006
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 103	DSI 4	650000	3750	18.63	20.50	24.5	8.5	-	n/a	n/a
	FR1 n78(Part 27Q)	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 103	DSI 4	650000	3750	18.63	20.50	24.5	8.5	0.03	0.015	0.005

**15.4 Product specific 10g SAR**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
1750MHz																				
99	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 13	DSI 5	1413	1732.6	15.97	17.50	1.422	-	-	0.05	0.616	0.876
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	11mm	Ant 13	DSI 4	1413	1732.6	20.89	22.50	1.449	-	-	0.03	0.589	0.853
	LTE Band 4	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	20175	1732.5	17.70	18.50	1.202	-	-	-0.07	0.815	0.980
	LTE Band 4	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	20175	1732.5	21.39	22.00	1.151	-	-	0.02	0.635	0.731
100	LTE Band 4	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	20175	1732.5	17.63	18.50	1.222	-	-	0.16	0.822	1.004
	LTE Band 4	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	20175	1732.5	21.07	22.00	1.239	-	-	0.12	0.653	0.809
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	132322	1745	17.92	18.50	1.143	-	-	-0.06	0.783	0.895
	LTE Band 66	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	132322	1745	21.32	22.00	1.169	-	-	0.02	0.652	0.763
101	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	132322	1745	17.65	18.50	1.216	-	-	0.07	0.781	0.950
	LTE Band 66	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	132322	1745	21.25	22.00	1.189	-	-	0.05	0.673	0.800
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 13	DSI 5	349000	1745	16.75	17.30	1.135	-	-	-0.02	0.380	0.431
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	11mm	Ant 13	DSI 4	349000	1745	20.65	21.30	1.161	-	-	0.05	0.320	0.372
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	0mm	Ant 13	DSI 5	349000	1745	16.61	17.30	1.172	-	-	-0.02	0.410	0.481
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	11mm	Ant 13	DSI 4	349000	1745	20.61	21.30	1.172	-	-	-0.01	0.350	0.410
1900MHz																				
102	GSM1900	-	-	-	-	EDGE (4 Tx slots)	Top Side	0mm	Ant 13	DSI 5	661	1880	19.69	21.00	1.352	-	-	0.12	0.624	0.844
	GSM1900					GPRS (3 Tx slots)	Top Side	11mm	Ant 13	DSI 4	661	1880	23.57	25.50	1.560			0.03	0.306	0.477
103	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 13	DSI 5	9400	1880	15.62	17.50	1.542	-	-	0.08	0.520	0.802
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	11mm	Ant 13	DSI 4	9400	1880	20.47	22.00	1.422	-	-	0.03	0.502	0.714
	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	18900	1880	17.51	18.50	1.256	-	-	-0.09	0.660	0.829
	LTE Band 2	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	18900	1880	20.67	21.50	1.211	-	-	0.05	0.582	0.705
104	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	18900	1880	17.42	18.50	1.282	-	-	0.1	0.678	0.869
	LTE Band 2	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	18900	1880	20.43	21.50	1.279	-	-	0.03	0.601	0.769
	FR1 n2	20M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 13	DSI 5	376000	1880	15.95	16.80	1.216	-	-	0.02	0.432	0.525
	FR1 n2	20M	BPSK	1	1	DFT-15	Top Side	11mm	Ant 13	DSI 4	376000	1880	19.31	20.30	1.256	-	-	0.05	0.402	0.505
105	FR1 n2	20M	BPSK	50	28	DFT-15	Top Side	0mm	Ant 13	DSI 5	376000	1880	15.88	16.80	1.236	-	-	-0.13	0.455	0.562
	FR1 n2	20M	BPSK	50	28	DFT-15	Top Side	11mm	Ant 13	DSI 4	376000	1880	19.18	20.30	1.294	-	-	-0.11	0.432	0.559
2600MHz																				
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	21100	2535	19.59	20.00	1.099	-	-	0.09	1.280	1.407
	LTE Band 7	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	21100	2535	22.65	23.00	1.084	-	-	0.03	0.529	0.573
106	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	21100	2535	19.57	20.00	1.104	-	-	-0.04	1.320	1.457
	LTE Band 7C	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	21100+20902	2535+2515.2	18.95	20.00	1.274	-	-	-0.17	1.100	1.401
	LTE Band 7	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	21100	2535	22.59	23.00	1.099	-	-	-0.05	0.611	0.671
107	FR1 n38	40M	BPSK	1	1	DFT-30	Top Side	0mm	Ant 13	DSI 5	519000	2595	20.13	20.70	1.140	-	-	-0.15	1.210	1.380
	FR1 n38	40M	BPSK	1	1	DFT-30	Top Side	11mm	Ant 13	DSI 4	519000	2595	22.13	23.20	1.279	-	-	-0.13	0.551	0.705
	FR1 n38	40M	BPSK	50	28	DFT-30	Top Side	0mm	Ant 13	DSI 5	519000	2595	19.99	20.70	1.178	-	-	-0.17	1.110	1.307
	FR1 n38	40M	BPSK	50	28	DFT-30	Top Side	11mm	Ant 13	DSI 4	519000	2595	21.99	23.20	1.321	-	-	0.02	0.456	0.603
3500~3900MHz																				
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Left Side	0mm	Ant 12	DSI 5	42590	3500	20.34	20.50	1.038	62.9	1.006	-0.04	1.710	1.785
	LTE Band 42(Part27Q)	20M	QPSK	1	0	-	Left Side	12mm	Ant 12	DSI 4	42590	3500	24.30	25.00	1.175	62.9	1.006	-0.03	0.488	0.577
108	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Left Side	0mm	Ant 12	DSI 5	42590	3500	20.26	20.50	1.057	62.9	1.006	-0.04	1.790	1.903
	LTE Band 42(Part27Q)	20M	QPSK	50	0	-	Left Side	12mm	Ant 12	DSI 4	42590	3500	23.26	24.00	1.186	62.9	1.006	-0.06	0.577	0.688
109	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	0mm	Ant 12	DSI 5	633334	3500.01	18.02	18.80	1.197	-	-	-0.02	0.784	0.938
	FR1 n77(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	12mm	Ant 12	DSI 4	633334	3500.01	23.27	24.30	1.268	-	-	-0.06	0.437	0.554
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 12	DSI 5	633334	3500.01	17.89	18.80	1.233	-	-	-0.13	0.726	0.895
	FR1 n77(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	12mm	Ant 12	DSI 4	633334	3500.01	23.12	24.30	1.312	-	-	0.05	0.421	0.552
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	0mm	Ant 12	DSI 5	633334	3500.01	17.83	18.50	1.167	-	-	0.13	0.706	0.824
	FR1 n78(Part27Q)	100M	BPSK	1	1	DFT-30	Left Side	12mm	Ant 12	DSI 4	633334	3500.01	23.35	24.00	1.161	-	-	0.02	0.398	0.462
110	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 12	DSI 5	633334	3500.01	17.78	18.50	1.180	-	-	-0.05	0.710	0.838



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	FR1 n78(Part27Q)	100M	BPSK	135	69	DFT-30	Left Side	12mm	Ant 12	DSI 4	633334	3500.01	23.34	24.00	1.164	-	-	-0.03	0.431	0.502
5000MHz																				
	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Front	0mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	-0.06	0.535	0.821
	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	0.03	0.455	0.698
111	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	-0.14	1.750	2.686
	WLAN5.2GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 23+24	Reduced Level 1	52	5260	20.68	22.50	1.520	98.97	1.010	0.05	0.867	1.331
	WLAN5.3GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 23+24	Reduced Level 1	60	5300	20.59	22.50	1.552	98.97	1.010	0.03	1.530	2.399
	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Front	0mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	0.16	0.838	1.308
	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Back	0mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	-0.08	0.543	0.847
112	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	0.02	1.810	2.825
	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 23+24	Reduced Level 1	116	5580	20.61	22.50	1.545	98.97	1.010	-0.02	1.200	1.873
	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 23+24	Reduced Level 1	132	5660	20.58	22.50	1.556	98.97	1.010	0.02	1.710	2.687

<EN-DC 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	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
1750MHz																		
	LTE Band 4	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	20175	1732.5	16.66	17.50	1.213	0.18	0.552	0.670
	LTE Band 4	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	20175	1732.5	20.29	21.00	1.178	0.13	0.502	0.591
	LTE Band 4	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	20175	1732.5	16.63	17.50	1.222	-0.06	0.563	0.688
	LTE Band 4	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	20175	1732.5	20.15	21.00	1.216	-0.04	0.553	0.673
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	132322	1745	16.63	17.50	1.222	-0.12	0.575	0.703
	LTE Band 66	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	132322	1745	20.33	21.00	1.167	0.11	0.543	0.634
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	132322	1745	16.55	17.50	1.245	0.04	0.582	0.724
	LTE Band 66	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	132322	1745	20.19	21.00	1.205	0.03	0.563	0.678
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 13	DSI 5	349000	1745	16.29	17.50	1.321	-0.1	0.697	0.921
	FR1 n66	30M	BPSK	1	1	DFT-15	Top Side	11mm	Ant 13	DSI 4	349000	1745	20.09	21.00	1.233	0.02	0.456	0.562
113	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	0mm	Ant 13	DSI 5	349000	1745	16.11	17.50	1.377	-0.15	0.684	0.942
	FR1 n66	30M	BPSK	80	40	DFT-15	Top Side	11mm	Ant 13	DSI 4	349000	1745	19.92	21.00	1.282	-0.13	0.498	0.639
1900MHz																		
	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 13	DSI 5	18900	1880	16.38	17.50	1.294	0.16	0.513	0.664
	LTE Band 2	20M	QPSK	1	0	-	Top Side	11mm	Ant 13	DSI 4	18900	1880	19.58	20.50	1.236	0.05	0.485	0.599
	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 13	DSI 5	18900	1880	16.33	17.50	1.309	-0.05	0.525	0.687
	LTE Band 2	20M	QPSK	50	0	-	Top Side	11mm	Ant 13	DSI 4	18900	1880	19.33	20.50	1.309	-0.03	0.502	0.657
2600MHz																		
	FR1 n7	20M	BPSK	1	1	DFT-15	Top Side	0mm	Ant 13	DSI 5	507000	2535	18.11	19.30	1.315	-0.19	0.802	1.055
	FR1 n7	20M	BPSK	1	1	DFT-15	Top Side	11mm	Ant 13	DSI 4	507000	2535	21.41	22.30	1.227	0.05	0.458	0.562
	FR1 n7	20M	BPSK	50	28	DFT-15	Top Side	0mm	Ant 13	DSI 5	507000	2535	17.99	19.30	1.352	0.02	0.851	1.151
	FR1 n7	20M	BPSK	50	28	DFT-15	Top Side	11mm	Ant 13	DSI 4	507000	2535	21.30	22.30	1.259	0.01	0.463	0.583
3500~3900MHz																		
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Side	0mm	Ant 12	DSI 5	650000	3750	17.04	18.00	1.247	0.09	0.642	0.801
	FR1 n78(Part 27O)	100M	BPSK	1	1	DFT-30	Left Side	12mm	Ant 12	DSI 4	650000	3750	22.22	23.00	1.197	0.05	0.202	0.242
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 12	DSI 5	650000	3750	16.87	18.00	1.297	-0.16	0.632	0.820
	FR1 n78(Part 27O)	100M	BPSK	135	69	DFT-30	Left Side	12mm	Ant 12	DSI 4	650000	3750	21.98	23.00	1.265	-0.12	0.221	0.280

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + 2.4GHz WLAN MIMO/SISO	Yes	Yes	Yes	Yes
2.	WWAN + 5GHz WLAN MIMO/SISO	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + 5GHz WLAN MIMO/SISO + Bluetooth	Yes	Yes	Yes	Yes
6.	2.4GHz WLAN MIMO/SISO + 5GHz WLAN MIMO/SISO	Yes	Yes	Yes	Yes
7.	WWAN +2.4GHz WLAN MIMO/SISO + 5GHz WLAN MIMO/SISO	Yes	Yes	Yes	Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), and LTE supports VoLTE function.
- EUT will choose each GSM, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- The above WWAN includes 5G NR mode.
- This device WLAN 2.4GHz supports hotspot operation and Bluetooth support tethering applications.
- This device 2.4GHz WLAN/ 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and cannot transmit simultaneously.
- According to the EUT characteristic, 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz and WLAN 5GHz can transmit simultaneously.
- 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.
- For distance SAR and non-distance SAR, always chose higher SAR to do co-located analysis.
- The reported SAR summation is calculated based on the same configuration and test position
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

**16.1 Head Exposure Conditions**

WWAN Band	Exposure Position	1	3	4	5	1+4	1+5	3+4	3+5
		WWAN	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	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)
GSM850 Ant 11	Right Cheek	0.371	0.210	0.044	0.087	0.42	0.46	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.525	0.242	0.103	0.391	0.63	0.92	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
GSM1900 Ant 13	Right Cheek	0.456	0.210	0.044	0.087	0.50	0.54	0.25	0.30
	Right Tilted	0.652	0.187	0.016	0.096	0.67	0.75	0.20	0.28
	Left Cheek	0.399	0.242	0.103	0.391	0.50	0.79	0.35	0.63
	Left Tilted	0.493	0.474	0.022	0.161	0.52	0.65	0.50	0.64
GSM1900 Ant 31	Right Cheek	0.081	0.210	0.044	0.087	0.13	0.17	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.062	0.242	0.103	0.391	0.17	0.45	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
CDMA BC0 Ant 11	Right Cheek	0.311	0.210	0.044	0.087	0.36	0.40	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.750	0.242	0.103	0.391	0.85	1.14	0.35	0.63
	Left Tilted	0.061	0.474	0.022	0.161	0.08	0.22	0.50	0.64
CDMA BC0 Ant 41	Right Cheek	0.252	0.210	0.044	0.087	0.30	0.34	0.25	0.30
	Right Tilted	0.105	0.187	0.016	0.096	0.12	0.20	0.20	0.28
	Left Cheek	0.161	0.242	0.103	0.391	0.26	0.55	0.35	0.63
	Left Tilted	0.109	0.474	0.022	0.161	0.13	0.27	0.50	0.64
WCDMA V Ant 11	Right Cheek	0.370	0.210	0.044	0.087	0.41	0.46	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.511	0.242	0.103	0.391	0.61	0.90	0.35	0.63
	Left Tilted	0.064	0.474	0.022	0.161	0.09	0.23	0.50	0.64
WCDMA V Ant 41	Right Cheek	0.258	0.210	0.044	0.087	0.30	0.35	0.25	0.30
	Right Tilted	0.106	0.187	0.016	0.096	0.12	0.20	0.20	0.28
	Left Cheek	0.179	0.242	0.103	0.391	0.28	0.57	0.35	0.63
	Left Tilted	0.111	0.474	0.022	0.161	0.13	0.27	0.50	0.64
WCDMA IV Ant 13	Right Cheek	0.570	0.210	0.044	0.087	0.61	0.66	0.25	0.30
	Right Tilted	0.739	0.187	0.016	0.096	0.76	0.84	0.20	0.28
	Left Cheek	0.401	0.242	0.103	0.391	0.50	0.79	0.35	0.63
	Left Tilted	0.594	0.474	0.022	0.161	0.62	0.76	0.50	0.64
WCDMA IV Ant 31	Right Cheek	0.252	0.210	0.044	0.087	0.30	0.34	0.25	0.30
	Right Tilted	0.106	0.187	0.016	0.096	0.12	0.20	0.20	0.28
	Left Cheek	0.144	0.242	0.103	0.391	0.25	0.54	0.35	0.63
	Left Tilted	0.059	0.474	0.022	0.161	0.08	0.22	0.50	0.64
WCDMA II Ant 13	Right Cheek	0.586	0.210	0.044	0.087	0.63	0.67	0.25	0.30
	Right Tilted	0.792	0.187	0.016	0.096	0.81	0.89	0.20	0.28
	Left Cheek	0.422	0.242	0.103	0.391	0.53	0.81	0.35	0.63
	Left Tilted	0.547	0.474	0.022	0.161	0.57	0.71	0.50	0.64
WCDMA II Ant 31	Right Cheek	0.129	0.210	0.044	0.087	0.17	0.22	0.25	0.30
	Right Tilted	0.115	0.187	0.016	0.096	0.13	0.21	0.20	0.28
	Left Cheek	0.084	0.242	0.103	0.391	0.19	0.48	0.35	0.63
	Left Tilted	0.064	0.474	0.022	0.161	0.09	0.23	0.50	0.64
LTE Band 12 Ant 11	Right Cheek	0.397	0.210	0.044	0.087	0.44	0.48	0.25	0.30
	Right Tilted	0.064	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.663	0.242	0.103	0.391	0.77	1.05	0.35	0.63
	Left Tilted	0.074	0.474	0.022	0.161	0.10	0.24	0.50	0.64
LTE Band 12 Ant 41	Right Cheek	0.112	0.210	0.044	0.087	0.16	0.20	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.071	0.242	0.103	0.391	0.17	0.46	0.35	0.63



	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
LTE Band 13 Ant 11	Right Cheek	0.434	0.210	0.044	0.087	0.48	0.52	0.25	0.30
	Right Tilted	0.070	0.187	0.016	0.096	0.09	0.17	0.20	0.28
	Left Cheek	0.641	0.242	0.103	0.391	0.74	1.03	0.35	0.63
	Left Tilted	0.073	0.474	0.022	0.161	0.10	0.23	0.50	0.64
LTE Band 13 Ant 41	Right Cheek	0.291	0.210	0.044	0.087	0.34	0.38	0.25	0.30
	Right Tilted	0.126	0.187	0.016	0.096	0.14	0.22	0.20	0.28
	Left Cheek	0.144	0.242	0.103	0.391	0.25	0.54	0.35	0.63
	Left Tilted	0.101	0.474	0.022	0.161	0.12	0.26	0.50	0.64
LTE Band 17 Ant 11	Right Cheek	0.434	0.210	0.044	0.087	0.48	0.52	0.25	0.30
	Right Tilted	0.072	0.187	0.016	0.096	0.09	0.17	0.20	0.28
	Left Cheek	0.680	0.242	0.103	0.391	0.78	1.07	0.35	0.63
	Left Tilted	0.078	0.474	0.022	0.161	0.10	0.24	0.50	0.64
LTE Band 17 Ant 41	Right Cheek	0.106	0.210	0.044	0.087	0.15	0.19	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.071	0.242	0.103	0.391	0.17	0.46	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
LTE Band 5 Ant 11	Right Cheek	0.362	0.210	0.044	0.087	0.41	0.45	0.25	0.30
	Right Tilted	0.055	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek	0.515	0.242	0.103	0.391	0.62	0.91	0.35	0.63
	Left Tilted	0.059	0.474	0.022	0.161	0.08	0.22	0.50	0.64
LTE Band 5 Ant 41	Right Cheek	0.211	0.210	0.044	0.087	0.26	0.30	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.117	0.242	0.103	0.391	0.22	0.51	0.35	0.63
	Left Tilted	0.075	0.474	0.022	0.161	0.10	0.24	0.50	0.64
LTE Band 18 Ant 11	Right Cheek	0.374	0.210	0.044	0.087	0.42	0.46	0.25	0.30
	Right Tilted	0.062	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.712	0.242	0.103	0.391	0.82	1.10	0.35	0.63
	Left Tilted	0.067	0.474	0.022	0.161	0.09	0.23	0.50	0.64
LTE Band 18 Ant 41	Right Cheek	0.125	0.210	0.044	0.087	0.17	0.21	0.25	0.30
	Right Tilted	0.068	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.091	0.242	0.103	0.391	0.19	0.48	0.35	0.63
	Left Tilted	0.060	0.474	0.022	0.161	0.08	0.22	0.50	0.64
LTE Band 19 Ant 11	Right Cheek	0.318	0.210	0.044	0.087	0.36	0.41	0.25	0.30
	Right Tilted	0.056	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek	0.743	0.242	0.103	0.391	0.85	1.13	0.35	0.63
	Left Tilted	0.064	0.474	0.022	0.161	0.09	0.23	0.50	0.64
LTE Band 19 Ant 41	Right Cheek	0.206	0.210	0.044	0.087	0.25	0.29	0.25	0.30
	Right Tilted	0.093	0.187	0.016	0.096	0.11	0.19	0.20	0.28
	Left Cheek	0.148	0.242	0.103	0.391	0.25	0.54	0.35	0.63
	Left Tilted	0.089	0.474	0.022	0.161	0.11	0.25	0.50	0.64
LTE Band 26 Ant 11	Right Cheek	0.232	0.210	0.044	0.087	0.28	0.32	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.376	0.242	0.103	0.391	0.48	0.77	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
LTE Band 26 Ant 41	Right Cheek	0.148	0.210	0.044	0.087	0.19	0.24	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.121	0.242	0.103	0.391	0.22	0.51	0.35	0.63
	Left Tilted	0.057	0.474	0.022	0.161	0.08	0.22	0.50	0.64
LTE Band 4 Ant 13	Right Cheek	0.385	0.210	0.044	0.087	0.43	0.47	0.25	0.30
	Right Tilted	0.730	0.187	0.016	0.096	0.75	0.83	0.20	0.28
	Left Cheek	0.317	0.242	0.103	0.391	0.42	0.71	0.35	0.63
	Left Tilted	0.452	0.474	0.022	0.161	0.47	0.61	0.50	0.64
LTE Band 4 Ant 31	Right Cheek	0.225	0.210	0.044	0.087	0.27	0.31	0.25	0.30
	Right Tilted	0.092	0.187	0.016	0.096	0.11	0.19	0.20	0.28
	Left Cheek	0.129	0.242	0.103	0.391	0.23	0.52	0.35	0.63



	Left Tilted	0.085	0.474	0.022	0.161	0.11	0.25	0.50	0.64
LTE Band 4 Ant 25	Right Cheek	0.276	0.210	0.044	0.087	0.32	0.36	0.25	0.30
	Right Tilted	0.056	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek	0.549	0.242	0.103	0.391	0.65	0.94	0.35	0.63
	Left Tilted	0.073	0.474	0.022	0.161	0.10	0.23	0.50	0.64
LTE Band 66 Ant 13	Right Cheek	0.436	0.210	0.044	0.087	0.48	0.52	0.25	0.30
	Right Tilted	0.757	0.187	0.016	0.096	0.77	0.85	0.20	0.28
	Left Cheek	0.340	0.242	0.103	0.391	0.44	0.73	0.35	0.63
	Left Tilted	0.456	0.474	0.022	0.161	0.48	0.62	0.50	0.64
LTE Band 66 Ant 31	Right Cheek	0.241	0.210	0.044	0.087	0.29	0.33	0.25	0.30
	Right Tilted	0.133	0.187	0.016	0.096	0.15	0.23	0.20	0.28
	Left Cheek	0.127	0.242	0.103	0.391	0.23	0.52	0.35	0.63
	Left Tilted	0.096	0.474	0.022	0.161	0.12	0.26	0.50	0.64
LTE Band 66 Ant 25	Right Cheek	0.268	0.210	0.044	0.087	0.31	0.36	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.450	0.242	0.103	0.391	0.55	0.84	0.35	0.63
	Left Tilted	0.057	0.474	0.022	0.161	0.08	0.22	0.50	0.64

WWAN Band	Exposure Position	1	3	4	5	1+4	1+5	3+4	3+5
		WWAN 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Band 2 Ant 13	Right Cheek	0.429	0.210	0.044	0.087	0.47	0.52	0.25	0.30
	Right Tilted	0.833	0.187	0.016	0.096	0.85	0.93	0.20	0.28
	Left Cheek	0.339	0.242	0.103	0.391	0.44	0.73	0.35	0.63
	Left Tilted	0.494	0.474	0.022	0.161	0.52	0.66	0.50	0.64
LTE Band 2 Ant 31	Right Cheek	0.111	0.210	0.044	0.087	0.16	0.20	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.060	0.242	0.103	0.391	0.16	0.45	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
LTE Band 7 Ant 13	Right Cheek	0.648	0.210	0.044	0.087	0.69	0.74	0.25	0.30
	Right Tilted	0.819	0.187	0.016	0.096	0.84	0.92	0.20	0.28
	Left Cheek	0.201	0.242	0.103	0.391	0.30	0.59	0.35	0.63
	Left Tilted	0.198	0.474	0.022	0.161	0.22	0.36	0.50	0.64
LTE Band 7 Ant 31	Right Cheek	0.091	0.210	0.044	0.087	0.14	0.18	0.25	0.30
	Right Tilted	0.093	0.187	0.016	0.096	0.11	0.19	0.20	0.28
	Left Cheek	0.082	0.242	0.103	0.391	0.19	0.47	0.35	0.63
	Left Tilted	0.097	0.474	0.022	0.161	0.12	0.26	0.50	0.64
LTE Band 7 Ant 25	Right Cheek	0.527	0.210	0.044	0.087	0.57	0.61	0.25	0.30
	Right Tilted	0.067	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.248	0.242	0.103	0.391	0.35	0.64	0.35	0.63
	Left Tilted	0.057	0.474	0.022	0.161	0.08	0.22	0.50	0.64
LTE Band 38 Ant 13	Right Cheek	0.550	0.210	0.044	0.087	0.59	0.64	0.25	0.30
	Right Tilted	0.607	0.187	0.016	0.096	0.62	0.70	0.20	0.28
	Left Cheek	0.197	0.242	0.103	0.391	0.30	0.59	0.35	0.63
	Left Tilted	0.171	0.474	0.022	0.161	0.19	0.33	0.50	0.64
LTE Band 38 Ant 31	Right Cheek		0.210	0.044	0.087	0.04	0.09	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek		0.242	0.103	0.391	0.10	0.39	0.35	0.63
	Left Tilted	0.026	0.474	0.022	0.161	0.05	0.19	0.50	0.64
LTE Band 38 Ant 25	Right Cheek	0.574	0.210	0.044	0.087	0.62	0.66	0.25	0.30
	Right Tilted	0.063	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.278	0.242	0.103	0.391	0.38	0.67	0.35	0.63
	Left Tilted	0.076	0.474	0.022	0.161	0.10	0.24	0.50	0.64
LTE Band 41 Ant 13	Right Cheek	0.586	0.210	0.044	0.087	0.63	0.67	0.25	0.30
	Right Tilted	0.419	0.187	0.016	0.096	0.44	0.52	0.20	0.28



	Left Cheek	0.173	0.242	0.103	0.391	0.28	0.56	0.35	0.63
	Left Tilted	0.151	0.474	0.022	0.161	0.17	0.31	0.50	0.64
LTE Band 41 Ant 31	Right Cheek		0.210	0.044	0.087	0.04	0.09	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek		0.242	0.103	0.391	0.10	0.39	0.35	0.63
	Left Tilted	0.039	0.474	0.022	0.161	0.06	0.20	0.50	0.64
LTE Band 41 Ant 25	Right Cheek	0.544	0.210	0.044	0.087	0.59	0.63	0.25	0.30
	Right Tilted	0.076	0.187	0.016	0.096	0.09	0.17	0.20	0.28
	Left Cheek	0.310	0.242	0.103	0.391	0.41	0.70	0.35	0.63
	Left Tilted	0.070	0.474	0.022	0.161	0.09	0.23	0.50	0.64
LTE Band 42 Ant 12	Right Cheek	0.516	0.210	0.044	0.087	0.56	0.60	0.25	0.30
	Right Tilted	0.247	0.187	0.016	0.096	0.26	0.34	0.20	0.28
	Left Cheek	0.082	0.242	0.103	0.391	0.19	0.47	0.35	0.63
	Left Tilted	0.095	0.474	0.022	0.161	0.12	0.26	0.50	0.64
LTE Band 42 Ant 24	Right Cheek	0.089	0.210	0.044	0.087	0.13	0.18	0.25	0.30
	Right Tilted	0.079	0.187	0.016	0.096	0.10	0.18	0.20	0.28
	Left Cheek	0.320	0.242	0.103	0.391	0.42	0.71	0.35	0.63
	Left Tilted	0.100	0.474	0.022	0.161	0.12	0.26	0.50	0.64
FR1 n5 Ant 11	Right Cheek	0.314	0.210	0.044	0.087	0.36	0.40	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.458	0.242	0.103	0.391	0.56	0.85	0.35	0.63
	Left Tilted	0.053	0.474	0.022	0.161	0.08	0.21	0.50	0.64
FR1 n5 Ant 41	Right Cheek	0.201	0.210	0.044	0.087	0.25	0.29	0.25	0.30
	Right Tilted	0.100	0.187	0.016	0.096	0.12	0.20	0.20	0.28
	Left Cheek	0.129	0.242	0.103	0.391	0.23	0.52	0.35	0.63
	Left Tilted	0.094	0.474	0.022	0.161	0.12	0.26	0.50	0.64
FR1 n66 Ant 13	Right Cheek	0.540	0.210	0.044	0.087	0.58	0.63	0.25	0.30
	Right Tilted	0.766	0.187	0.016	0.096	0.78	0.86	0.20	0.28
	Left Cheek	0.414	0.242	0.103	0.391	0.52	0.81	0.35	0.63
	Left Tilted	0.576	0.474	0.022	0.161	0.60	0.74	0.50	0.64
FR1 n66 Ant 31	Right Cheek	0.197	0.210	0.044	0.087	0.24	0.28	0.25	0.30
	Right Tilted	0.120	0.187	0.016	0.096	0.14	0.22	0.20	0.28
	Left Cheek	0.101	0.242	0.103	0.391	0.20	0.49	0.35	0.63
	Left Tilted	0.089	0.474	0.022	0.161	0.11	0.25	0.50	0.64
FR1 n66 Ant 25	Right Cheek	0.301	0.210	0.044	0.087	0.35	0.39	0.25	0.30
	Right Tilted	0.062	0.187	0.016	0.096	0.08	0.16	0.20	0.28
	Left Cheek	0.401	0.242	0.103	0.391	0.50	0.79	0.35	0.63
	Left Tilted	0.092	0.474	0.022	0.161	0.11	0.25	0.50	0.64
FR1 n2 Ant 13	Right Cheek	0.425	0.210	0.044	0.087	0.47	0.51	0.25	0.30
	Right Tilted	0.594	0.187	0.016	0.096	0.61	0.69	0.20	0.28
	Left Cheek	0.331	0.242	0.103	0.391	0.43	0.72	0.35	0.63
	Left Tilted	0.453	0.474	0.022	0.161	0.48	0.61	0.50	0.64
FR1 n2 Ant 31	Right Cheek	0.080	0.210	0.044	0.087	0.12	0.17	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.052	0.242	0.103	0.391	0.16	0.44	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
FR1 n7 Ant 13	Right Cheek	0.775	0.210	0.044	0.087	0.82	0.86	0.25	0.30
	Right Tilted	0.498	0.187	0.016	0.096	0.51	0.59	0.20	0.28
	Left Cheek	0.264	0.242	0.103	0.391	0.37	0.66	0.35	0.63
	Left Tilted	0.254	0.474	0.022	0.161	0.28	0.42	0.50	0.64
FR1 n7 Ant 31	Right Cheek	0.053	0.210	0.044	0.087	0.10	0.14	0.25	0.30
	Right Tilted	0.058	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek		0.242	0.103	0.391	0.10	0.39	0.35	0.63
	Left Tilted	0.065	0.474	0.022	0.161	0.09	0.23	0.50	0.64
FR1 n7 Ant 25	Right Cheek	0.243	0.210	0.044	0.087	0.29	0.33	0.25	0.30
	Right Tilted	0.056	0.187	0.016	0.096	0.07	0.15	0.20	0.28

	Left Cheek	0.190	0.242	0.103	0.391	0.29	0.58	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
FR1 n38 Ant 13	Right Cheek	0.829	0.210	0.044	0.087	0.87	0.92	0.25	0.30
	Right Tilted	0.620	0.187	0.016	0.096	0.64	0.72	0.20	0.28
	Left Cheek	0.262	0.242	0.103	0.391	0.37	0.65	0.35	0.63
	Left Tilted	0.250	0.474	0.022	0.161	0.27	0.41	0.50	0.64
FR1 n38 Ant 31	Right Cheek	0.057	0.210	0.044	0.087	0.10	0.14	0.25	0.30
	Right Tilted	0.050	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek		0.242	0.103	0.391	0.10	0.39	0.35	0.63
	Left Tilted	0.060	0.474	0.022	0.161	0.08	0.22	0.50	0.64
FR1 n38 Ant 25	Right Cheek	0.509	0.210	0.044	0.087	0.55	0.60	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.213	0.242	0.103	0.391	0.32	0.60	0.35	0.63
	Left Tilted	0.056	0.474	0.022	0.161	0.08	0.22	0.50	0.64
FR1 n41 Ant 13	Right Cheek	0.908	0.210	0.044	0.087	0.95	1.00	0.25	0.30
	Right Tilted	0.699	0.187	0.016	0.096	0.72	0.80	0.20	0.28
	Left Cheek	0.340	0.242	0.103	0.391	0.44	0.73	0.35	0.63
	Left Tilted	0.325	0.474	0.022	0.161	0.35	0.49	0.50	0.64
FR1 n41 Ant 31	Right Cheek	0.056	0.210	0.044	0.087	0.10	0.14	0.25	0.30
	Right Tilted	0.054	0.187	0.016	0.096	0.07	0.15	0.20	0.28
	Left Cheek	0.040	0.242	0.103	0.391	0.14	0.43	0.35	0.63
	Left Tilted	0.063	0.474	0.022	0.161	0.09	0.22	0.50	0.64
FR1 n41 Ant 25	Right Cheek	0.337	0.210	0.044	0.087	0.38	0.42	0.25	0.30
	Right Tilted		0.187	0.016	0.096	0.02	0.10	0.20	0.28
	Left Cheek	0.187	0.242	0.103	0.391	0.29	0.58	0.35	0.63
	Left Tilted	0.055	0.474	0.022	0.161	0.08	0.22	0.50	0.64
FR1 n77 Ant 12	Right Cheek	0.497	0.210	0.044	0.087	0.54	0.58	0.25	0.30
	Right Tilted	0.287	0.187	0.016	0.096	0.30	0.38	0.20	0.28
	Left Cheek	0.117	0.242	0.103	0.391	0.22	0.51	0.35	0.63
	Left Tilted	0.105	0.474	0.022	0.161	0.13	0.27	0.50	0.64
FR1 n77 Ant 24	Right Cheek	0.136	0.210	0.044	0.087	0.18	0.22	0.25	0.30
	Right Tilted	0.078	0.187	0.016	0.096	0.09	0.17	0.20	0.28
	Left Cheek	0.478	0.242	0.103	0.391	0.58	0.87	0.35	0.63
	Left Tilted	0.163	0.474	0.022	0.161	0.19	0.32	0.50	0.64

WWAN Band	Exposure Position	1	3	4	5	1+4	1+5	3+4	3+5
		WWAN	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	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)
FR1 n78 Ant 12	Right Cheek	0.514	0.210	0.044	0.087	0.56	0.60	0.25	0.30
	Right Tilted	0.257	0.187	0.016	0.096	0.27	0.35	0.20	0.28
	Left Cheek	0.100	0.242	0.103	0.391	0.20	0.49	0.35	0.63
	Left Tilted	0.110	0.474	0.022	0.161	0.13	0.27	0.50	0.64
FR1 n78 Ant 24	Right Cheek	0.140	0.210	0.044	0.087	0.18	0.23	0.25	0.30
	Right Tilted	0.092	0.187	0.016	0.096	0.11	0.19	0.20	0.28
	Left Cheek	0.493	0.242	0.103	0.391	0.60	0.88	0.35	0.63
	Left Tilted	0.169	0.474	0.022	0.161	0.19	0.33	0.50	0.64
FR1 n78 Ant 101	Right Cheek	0.076	0.210	0.044	0.087	0.12	0.16	0.25	0.30
	Right Tilted	0.010	0.187	0.016	0.096	0.03	0.11	0.20	0.28
	Left Cheek	0.031	0.242	0.103	0.391	0.13	0.42	0.35	0.63
	Left Tilted		0.474	0.022	0.161	0.02	0.16	0.50	0.64
FR1 n78 Ant 103	Right Cheek	0.028	0.210	0.044	0.087	0.07	0.12	0.25	0.30
	Right Tilted	0.035	0.187	0.016	0.096	0.05	0.13	0.20	0.28
	Left Cheek	0.098	0.242	0.103	0.391	0.20	0.49	0.35	0.63
	Left Tilted	0.126	0.474	0.022	0.161	0.15	0.29	0.50	0.64



FCC SAR Test Report

Report No. : FA212202

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+3+4	1+3+5	1+2+3
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 24+23 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 11	Right Cheek	0.322	0.165	0.210	0.044	0.087	0.49	0.53	0.58	0.62	0.70
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.498	0.269	0.242	0.103	0.391	0.77	0.74	0.84	1.13	1.01
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
GSM1900 Ant 13	Right Cheek	0.359	0.165	0.210	0.044	0.087	0.52	0.57	0.61	0.66	0.73
	Right Tilted	0.509		0.187	0.016	0.096	0.51	0.70	0.71	0.79	0.70
	Left Cheek	0.312	0.269	0.242	0.103	0.391	0.58	0.55	0.66	0.95	0.82
	Left Tilted	0.388	0.259	0.474	0.022	0.161	0.65	0.86	0.88	1.02	1.12
GSM1900 Ant 31	Right Cheek	0.081	0.165	0.210	0.044	0.087	0.25	0.29	0.34	0.38	0.46
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.062	0.269	0.242	0.103	0.391	0.33	0.30	0.41	0.70	0.57
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
CDMA BC0 Ant 11	Right Cheek	0.311	0.165	0.210	0.044	0.087	0.48	0.52	0.57	0.61	0.69
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.750	0.269	0.242	0.103	0.391	1.02	0.99	1.10	1.38	1.26
	Left Tilted	0.061	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.79
CDMA BC0 Ant 41	Right Cheek	0.252	0.165	0.210	0.044	0.087	0.42	0.46	0.51	0.55	0.63
	Right Tilted	0.105	0.102	0.187	0.016	0.096	0.21	0.29	0.31	0.39	0.39
	Left Cheek	0.161	0.269	0.242	0.103	0.391	0.43	0.40	0.51	0.79	0.67
	Left Tilted	0.109	0.259	0.474	0.022	0.161	0.37	0.58	0.61	0.74	0.84
WCDMA V Ant 11	Right Cheek	0.370	0.165	0.210	0.044	0.087	0.54	0.58	0.62	0.67	0.75
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.511	0.269	0.242	0.103	0.391	0.78	0.75	0.86	1.14	1.02
	Left Tilted	0.064	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.80
WCDMA V Ant 41	Right Cheek	0.258	0.165	0.210	0.044	0.087	0.42	0.47	0.51	0.56	0.63
	Right Tilted	0.106	0.102	0.187	0.016	0.096	0.21	0.29	0.31	0.39	0.40
	Left Cheek	0.179	0.269	0.242	0.103	0.391	0.45	0.42	0.52	0.81	0.69
	Left Tilted	0.111	0.259	0.474	0.022	0.161	0.37	0.59	0.61	0.75	0.84
WCDMA IV Ant 13	Right Cheek	0.570	0.165	0.210	0.044	0.087	0.74	0.78	0.82	0.87	0.95
	Right Tilted	0.739	0.102	0.187	0.016	0.096	0.84	0.93	0.94	1.02	1.03
	Left Cheek	0.401	0.269	0.242	0.103	0.391	0.67	0.64	0.75	1.03	0.91
	Left Tilted	0.594	0.259	0.474	0.022	0.161	0.85	1.07	1.09	1.23	1.33
WCDMA IV Ant 31	Right Cheek	0.252	0.165	0.210	0.044	0.087	0.42	0.46	0.51	0.55	0.63
	Right Tilted	0.106	0.102	0.187	0.016	0.096	0.21	0.29	0.31	0.39	0.40
	Left Cheek	0.144	0.269	0.242	0.103	0.391	0.41	0.39	0.49	0.78	0.66
	Left Tilted	0.059	0.259	0.474	0.022	0.161	0.32	0.53	0.56	0.69	0.79
WCDMA II Ant 13	Right Cheek	0.586	0.165	0.210	0.044	0.087	0.75	0.80	0.84	0.88	0.96
	Right Tilted	0.792	0.102	0.187	0.016	0.096	0.89	0.98	1.00	1.08	1.08
	Left Cheek	0.422	0.269	0.242	0.103	0.391	0.69	0.66	0.77	1.06	0.93
	Left Tilted	0.547	0.259	0.474	0.022	0.161	0.81	1.02	1.04	1.18	1.28
WCDMA II Ant 31	Right Cheek	0.129	0.165	0.210	0.044	0.087	0.29	0.34	0.38	0.43	0.50
	Right Tilted	0.115	0.102	0.187	0.016	0.096	0.22	0.30	0.32	0.40	0.40
	Left Cheek	0.084	0.269	0.242	0.103	0.391	0.35	0.33	0.43	0.72	0.60
	Left Tilted	0.064	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.80
LTE Band 12 Ant 11	Right Cheek	0.397	0.165	0.210	0.044	0.087	0.56	0.61	0.65	0.69	0.77
	Right Tilted	0.064	0.102	0.187	0.016	0.096	0.17	0.25	0.27	0.35	0.35
	Left Cheek	0.663	0.269	0.242	0.103	0.391	0.93	0.91	1.01	1.30	1.17
	Left Tilted	0.074	0.259	0.474	0.022	0.161	0.33	0.55	0.57	0.71	0.81
LTE Band 12 Ant 41	Right Cheek	0.112	0.165	0.210	0.044	0.087	0.28	0.32	0.37	0.41	0.49
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.071	0.269	0.242	0.103	0.391	0.34	0.31	0.42	0.70	0.58
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73



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LTE Band 13 Ant 11	Right Cheek	0.434	0.165	0.210	0.044	0.087	0.60	0.64	0.69	0.73	0.81
	Right Tilted	0.070	0.102	0.187	0.016	0.096	0.17	0.26	0.27	0.35	0.36
	Left Cheek	0.641	0.269	0.242	0.103	0.391	0.91	0.88	0.99	1.27	1.15
	Left Tilted	0.073	0.259	0.474	0.022	0.161	0.33	0.55	0.57	0.71	0.81
LTE Band 13 Ant 41	Right Cheek	0.291	0.165	0.210	0.044	0.087	0.46	0.50	0.55	0.59	0.67
	Right Tilted	0.126	0.102	0.187	0.016	0.096	0.23	0.31	0.33	0.41	0.42
	Left Cheek	0.144	0.269	0.242	0.103	0.391	0.41	0.39	0.49	0.78	0.66
	Left Tilted	0.101	0.259	0.474	0.022	0.161	0.36	0.58	0.60	0.74	0.83
LTE Band 17 Ant 11	Right Cheek	0.434	0.165	0.210	0.044	0.087	0.60	0.64	0.69	0.73	0.81
	Right Tilted	0.072	0.102	0.187	0.016	0.096	0.17	0.26	0.28	0.36	0.36
	Left Cheek	0.680	0.269	0.242	0.103	0.391	0.95	0.92	1.03	1.31	1.19
	Left Tilted	0.078	0.259	0.474	0.022	0.161	0.34	0.55	0.57	0.71	0.81
LTE Band 17 Ant 41	Right Cheek	0.106	0.165	0.210	0.044	0.087	0.27	0.32	0.36	0.40	0.48
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.071	0.269	0.242	0.103	0.391	0.34	0.31	0.42	0.70	0.58
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
LTE Band 5 Ant 11	Right Cheek	0.362	0.165	0.210	0.044	0.087	0.53	0.57	0.62	0.66	0.74
	Right Tilted	0.055	0.102	0.187	0.016	0.096	0.16	0.24	0.26	0.34	0.34
	Left Cheek	0.515	0.269	0.242	0.103	0.391	0.78	0.76	0.86	1.15	1.03
	Left Tilted	0.059	0.259	0.474	0.022	0.161	0.32	0.53	0.56	0.69	0.79
LTE Band 5 Ant 41	Right Cheek	0.211	0.165	0.210	0.044	0.087	0.38	0.42	0.47	0.51	0.59
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.117	0.269	0.242	0.103	0.391	0.39	0.36	0.46	0.75	0.63
	Left Tilted	0.075	0.259	0.474	0.022	0.161	0.33	0.55	0.57	0.71	0.81
LTE Band 18 Ant 11	Right Cheek	0.374	0.165	0.210	0.044	0.087	0.54	0.58	0.63	0.67	0.75
	Right Tilted	0.062	0.102	0.187	0.016	0.096	0.16	0.25	0.27	0.35	0.35
	Left Cheek	0.712	0.269	0.242	0.103	0.391	0.98	0.95	1.06	1.35	1.22
	Left Tilted	0.067	0.259	0.474	0.022	0.161	0.33	0.54	0.56	0.70	0.80
LTE Band 18 Ant 41	Right Cheek	0.125	0.165	0.210	0.044	0.087	0.29	0.34	0.38	0.42	0.50
	Right Tilted	0.068	0.102	0.187	0.016	0.096	0.17	0.26	0.27	0.35	0.36
	Left Cheek	0.091	0.269	0.242	0.103	0.391	0.36	0.33	0.44	0.72	0.60
	Left Tilted	0.060	0.259	0.474	0.022	0.161	0.32	0.53	0.56	0.70	0.79
LTE Band 19 Ant 11	Right Cheek	0.318	0.165	0.210	0.044	0.087	0.48	0.53	0.57	0.62	0.69
	Right Tilted	0.056	0.102	0.187	0.016	0.096	0.16	0.24	0.26	0.34	0.35
	Left Cheek	0.743	0.269	0.242	0.103	0.391	1.01	0.99	1.09	1.38	1.25
	Left Tilted	0.064	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.80
LTE Band 19 Ant 41	Right Cheek	0.206	0.165	0.210	0.044	0.087	0.37	0.42	0.46	0.50	0.58
	Right Tilted	0.093	0.102	0.187	0.016	0.096	0.20	0.28	0.30	0.38	0.38
	Left Cheek	0.148	0.269	0.242	0.103	0.391	0.42	0.39	0.49	0.78	0.66
	Left Tilted	0.089	0.259	0.474	0.022	0.161	0.35	0.56	0.59	0.72	0.82
LTE Band 26 Ant 11	Right Cheek	0.232	0.165	0.210	0.044	0.087	0.40	0.44	0.49	0.53	0.61
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.376	0.269	0.242	0.103	0.391	0.65	0.62	0.72	1.01	0.89
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
LTE Band 26 Ant 41	Right Cheek	0.148	0.165	0.210	0.044	0.087	0.31	0.36	0.40	0.45	0.52
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.121	0.269	0.242	0.103	0.391	0.39	0.36	0.47	0.75	0.63
	Left Tilted	0.057	0.259	0.474	0.022	0.161	0.32	0.53	0.55	0.69	0.79
LTE Band 4 Ant 13	Right Cheek	0.385	0.165	0.210	0.044	0.087	0.55	0.60	0.64	0.68	0.76
	Right Tilted	0.730	0.102	0.187	0.016	0.096	0.83	0.92	0.93	1.01	1.02
	Left Cheek	0.317	0.269	0.242	0.103	0.391	0.59	0.56	0.66	0.95	0.83
	Left Tilted	0.452	0.259	0.474	0.022	0.161	0.71	0.93	0.95	1.09	1.19
LTE Band 4 Ant 31	Right Cheek	0.225	0.165	0.210	0.044	0.087	0.39	0.44	0.48	0.52	0.60
	Right Tilted	0.092	0.102	0.187	0.016	0.096	0.19	0.28	0.30	0.38	0.38
	Left Cheek	0.129	0.269	0.242	0.103	0.391	0.40	0.37	0.47	0.76	0.64
	Left Tilted	0.085	0.259	0.474	0.022	0.161	0.34	0.56	0.58	0.72	0.82



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LTE Band 4 Ant 25	Right Cheek	0.276	0.165	0.210	0.044	0.087	0.44	0.49	0.53	0.57	0.65
	Right Tilted	0.056	0.102	0.187	0.016	0.096	0.16	0.24	0.26	0.34	0.35
	Left Cheek	0.549	0.269	0.242	0.103	0.391	0.82	0.79	0.89	1.18	1.06
	Left Tilted	0.073	0.259	0.474	0.022	0.161	0.33	0.55	0.57	0.71	0.81
LTE Band 66 Ant 13	Right Cheek	0.436	0.165	0.210	0.044	0.087	0.60	0.65	0.69	0.73	0.81
	Right Tilted	0.757	0.102	0.187	0.016	0.096	0.86	0.94	0.96	1.04	1.05
	Left Cheek	0.340	0.269	0.242	0.103	0.391	0.61	0.58	0.69	0.97	0.85
	Left Tilted	0.456	0.259	0.474	0.022	0.161	0.72	0.93	0.95	1.09	1.19
LTE Band 66 Ant 31	Right Cheek	0.241	0.165	0.210	0.044	0.087	0.41	0.45	0.50	0.54	0.62
	Right Tilted	0.133	0.102	0.187	0.016	0.096	0.24	0.32	0.34	0.42	0.42
	Left Cheek	0.127	0.269	0.242	0.103	0.391	0.40	0.37	0.47	0.76	0.64
	Left Tilted	0.096	0.259	0.474	0.022	0.161	0.36	0.57	0.59	0.73	0.83
LTE Band 66 Ant 25	Right Cheek	0.268	0.165	0.210	0.044	0.087	0.43	0.48	0.52	0.57	0.64
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.450	0.269	0.242	0.103	0.391	0.72	0.69	0.80	1.08	0.96
	Left Tilted	0.057	0.259	0.474	0.022	0.161	0.32	0.53	0.55	0.69	0.79

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+3+4	1+3+5	1+2+3
		WWAN	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 13	Right Cheek	0.429	0.165	0.210	0.044	0.087	0.59	0.64	0.68	0.73	0.80
	Right Tilted	0.833	0.102	0.187	0.016	0.096	0.94	1.02	1.04	1.12	1.12
	Left Cheek	0.339	0.269	0.242	0.103	0.391	0.61	0.58	0.68	0.97	0.85
	Left Tilted	0.494	0.259	0.474	0.022	0.161	0.75	0.97	0.99	1.13	1.23
LTE Band 2 Ant 31	Right Cheek	0.111	0.165	0.210	0.044	0.087	0.28	0.32	0.37	0.41	0.49
	Right Tilted			0.187	0.016	0.096	0.00	0.19	0.20	0.28	0.19
	Left Cheek	0.060	0.269	0.242	0.103	0.391	0.33	0.30	0.41	0.69	0.57
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
LTE Band 7 Ant 13	Right Cheek	0.648	0.165	0.210	0.044	0.087	0.81	0.86	0.90	0.95	1.02
	Right Tilted	0.819	0.102	0.187	0.016	0.096	0.92	1.01	1.02	1.10	1.11
	Left Cheek	0.201	0.269	0.242	0.103	0.391	0.47	0.44	0.55	0.83	0.71
	Left Tilted	0.198	0.259	0.474	0.022	0.161	0.46	0.67	0.69	0.83	0.93
LTE Band 7 Ant 31	Right Cheek	0.091	0.165	0.210	0.044	0.087	0.26	0.30	0.35	0.39	0.47
	Right Tilted	0.093	0.102	0.187	0.016	0.096	0.20	0.28	0.30	0.38	0.38
	Left Cheek	0.082	0.269	0.242	0.103	0.391	0.35	0.32	0.43	0.72	0.59
	Left Tilted	0.097	0.259	0.474	0.022	0.161	0.36	0.57	0.59	0.73	0.83
LTE Band 7 Ant 25	Right Cheek	0.527	0.165	0.210	0.044	0.087	0.69	0.74	0.78	0.82	0.90
	Right Tilted	0.067	0.102	0.187	0.016	0.096	0.17	0.25	0.27	0.35	0.36
	Left Cheek	0.248	0.269	0.242	0.103	0.391	0.52	0.49	0.59	0.88	0.76
	Left Tilted	0.057	0.259	0.474	0.022	0.161	0.32	0.53	0.55	0.69	0.79
LTE Band 38 Ant 13	Right Cheek	0.550	0.165	0.210	0.044	0.087	0.72	0.76	0.80	0.85	0.93
	Right Tilted	0.607	0.102	0.187	0.016	0.096	0.71	0.79	0.81	0.89	0.90
	Left Cheek	0.197	0.269	0.242	0.103	0.391	0.47	0.44	0.54	0.83	0.71
	Left Tilted	0.171	0.259	0.474	0.022	0.161	0.43	0.65	0.67	0.81	0.90
LTE Band 38 Ant 31	Right Cheek		0.165	0.210	0.044	0.087	0.17	0.21	0.25	0.30	0.38
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek		0.269	0.242	0.103	0.391	0.27	0.24	0.35	0.63	0.51
	Left Tilted	0.026	0.259	0.474	0.022	0.161	0.29	0.50	0.52	0.66	0.76
LTE Band 38 Ant 25	Right Cheek	0.574	0.165	0.210	0.044	0.087	0.74	0.78	0.83	0.87	0.95
	Right Tilted	0.063	0.102	0.187	0.016	0.096	0.17	0.25	0.27	0.35	0.35
	Left Cheek	0.278	0.269	0.242	0.103	0.391	0.55	0.52	0.62	0.91	0.79
	Left Tilted	0.076	0.259	0.474	0.022	0.161	0.34	0.55	0.57	0.71	0.81
LTE Band 41 Ant 13	Right Cheek	0.586	0.165	0.210	0.044	0.087	0.75	0.80	0.84	0.88	0.96
	Right Tilted	0.419	0.102	0.187	0.016	0.096	0.52	0.61	0.62	0.70	0.71
	Left Cheek	0.173	0.269	0.242	0.103	0.391	0.44	0.42	0.52	0.81	0.68



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	Left Tilted	0.151	0.259	0.474	0.022	0.161	0.41	0.63	0.65	0.79	0.88
LTE Band 41 Ant 31	Right Cheek		0.165	0.210	0.044	0.087	0.17	0.21	0.25	0.30	0.38
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek		0.269	0.242	0.103	0.391	0.27	0.24	0.35	0.63	0.51
	Left Tilted	0.039	0.259	0.474	0.022	0.161	0.30	0.51	0.54	0.67	0.77
LTE Band 41 Ant 25	Right Cheek	0.544	0.165	0.210	0.044	0.087	0.71	0.75	0.80	0.84	0.92
	Right Tilted	0.076	0.102	0.187	0.016	0.096	0.18	0.26	0.28	0.36	0.37
	Left Cheek	0.310	0.269	0.242	0.103	0.391	0.58	0.55	0.66	0.94	0.82
	Left Tilted	0.070	0.259	0.474	0.022	0.161	0.33	0.54	0.57	0.71	0.80
LTE Band 42 Ant 12	Right Cheek	0.516	0.165	0.210	0.044	0.087	0.68	0.73	0.77	0.81	0.89
	Right Tilted	0.247	0.102	0.187	0.016	0.096	0.35	0.43	0.45	0.53	0.54
	Left Cheek	0.082	0.269	0.242	0.103	0.391	0.35	0.32	0.43	0.72	0.59
	Left Tilted	0.095	0.259	0.474	0.022	0.161	0.35	0.57	0.59	0.73	0.83
LTE Band 42 Ant 24	Right Cheek	0.089	0.165	0.210	0.044	0.087	0.25	0.30	0.34	0.39	0.46
	Right Tilted	0.079	0.102	0.187	0.016	0.096	0.18	0.27	0.28	0.36	0.37
	Left Cheek	0.320	0.269	0.242	0.103	0.391	0.59	0.56	0.67	0.95	0.83
	Left Tilted	0.100	0.259	0.474	0.022	0.161	0.36	0.57	0.60	0.74	0.83
FR1 n5 Ant 11	Right Cheek	0.278	0.165	0.210	0.044	0.087	0.44	0.49	0.53	0.58	0.65
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.396	0.269	0.242	0.103	0.391	0.67	0.64	0.74	1.03	0.91
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n5 Ant 41	Right Cheek	0.201	0.165	0.210	0.044	0.087	0.37	0.41	0.46	0.50	0.58
	Right Tilted	0.100	0.102	0.187	0.016	0.096	0.20	0.29	0.30	0.38	0.39
	Left Cheek	0.129	0.269	0.242	0.103	0.391	0.40	0.37	0.47	0.76	0.64
	Left Tilted	0.094	0.259	0.474	0.022	0.161	0.35	0.57	0.59	0.73	0.83
FR1 n66 Ant 13	Right Cheek	0.390	0.165	0.210	0.044	0.087	0.56	0.60	0.64	0.69	0.77
	Right Tilted	0.598	0.102	0.187	0.016	0.096	0.70	0.79	0.80	0.88	0.89
	Left Cheek	0.318	0.269	0.242	0.103	0.391	0.59	0.56	0.66	0.95	0.83
	Left Tilted	0.426	0.259	0.474	0.022	0.161	0.69	0.90	0.92	1.06	1.16
FR1 n66 Ant 31	Right Cheek	0.197	0.165	0.210	0.044	0.087	0.36	0.41	0.45	0.49	0.57
	Right Tilted	0.120	0.102	0.187	0.016	0.096	0.22	0.31	0.32	0.40	0.41
	Left Cheek	0.101	0.269	0.242	0.103	0.391	0.37	0.34	0.45	0.73	0.61
	Left Tilted	0.089	0.259	0.474	0.022	0.161	0.35	0.56	0.59	0.72	0.82
FR1 n66 Ant 25	Right Cheek	0.241	0.165	0.210	0.044	0.087	0.41	0.45	0.50	0.54	0.62
	Right Tilted	0.048	0.102	0.187	0.016	0.096	0.15	0.24	0.25	0.33	0.34
	Left Cheek	0.351	0.269	0.242	0.103	0.391	0.62	0.59	0.70	0.98	0.86
	Left Tilted	0.075	0.259	0.474	0.022	0.161	0.33	0.55	0.57	0.71	0.81
FR1 n2 Ant 13	Right Cheek	0.333	0.165	0.210	0.044	0.087	0.50	0.54	0.59	0.63	0.71
	Right Tilted	0.456	0.102	0.187	0.016	0.096	0.56	0.64	0.66	0.74	0.75
	Left Cheek	0.252	0.269	0.242	0.103	0.391	0.52	0.49	0.60	0.89	0.76
	Left Tilted	0.357	0.259	0.474	0.022	0.161	0.62	0.83	0.85	0.99	1.09
FR1 n2 Ant 31	Right Cheek	0.080	0.165	0.210	0.044	0.087	0.25	0.29	0.33	0.38	0.46
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.052	0.269	0.242	0.103	0.391	0.32	0.29	0.40	0.69	0.56
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n7 Ant 13	Right Cheek	0.705	0.165	0.210	0.044	0.087	0.87	0.92	0.96	1.00	1.08
	Right Tilted	0.431	0.102	0.187	0.016	0.096	0.53	0.62	0.63	0.71	0.72
	Left Cheek	0.243	0.269	0.242	0.103	0.391	0.51	0.49	0.59	0.88	0.75
	Left Tilted	0.238	0.259	0.474	0.022	0.161	0.50	0.71	0.73	0.87	0.97
FR1 n7 Ant 31	Right Cheek	0.053	0.165	0.210	0.044	0.087	0.22	0.26	0.31	0.35	0.43
	Right Tilted	0.058	0.102	0.187	0.016	0.096	0.16	0.25	0.26	0.34	0.35
	Left Cheek		0.269	0.242	0.103	0.391	0.27	0.24	0.35	0.63	0.51
	Left Tilted	0.065	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.80
FR1 n7 Ant 25	Right Cheek	0.191	0.165	0.210	0.044	0.087	0.36	0.40	0.45	0.49	0.57
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.141	0.269	0.242	0.103	0.391	0.41	0.38	0.49	0.77	0.65

	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n38 Ant 13	Right Cheek	0.663	0.165	0.210	0.044	0.087	0.83	0.87	0.92	0.96	1.04
	Right Tilted	0.518	0.102	0.187	0.016	0.096	0.62	0.71	0.72	0.80	0.81
	Left Cheek	0.242	0.269	0.242	0.103	0.391	0.51	0.48	0.59	0.88	0.75
	Left Tilted	0.206	0.259	0.474	0.022	0.161	0.47	0.68	0.70	0.84	0.94
FR1 n38 Ant 31	Right Cheek	0.057	0.165	0.210	0.044	0.087	0.22	0.27	0.31	0.35	0.43
	Right Tilted	0.050	0.102	0.187	0.016	0.096	0.15	0.24	0.25	0.33	0.34
	Left Cheek		0.269	0.242	0.103	0.391	0.27	0.24	0.35	0.63	0.51
	Left Tilted	0.060	0.259	0.474	0.022	0.161	0.32	0.53	0.56	0.70	0.79
FR1 n38 Ant 25	Right Cheek	0.468	0.165	0.210	0.044	0.087	0.63	0.68	0.72	0.77	0.84
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.187	0.269	0.242	0.103	0.391	0.46	0.43	0.53	0.82	0.70
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n41 Ant 13	Right Cheek	0.661	0.165	0.210	0.044	0.087	0.83	0.87	0.92	0.96	1.04
	Right Tilted	0.495	0.102	0.187	0.016	0.096	0.60	0.68	0.70	0.78	0.78
	Left Cheek	0.242	0.269	0.242	0.103	0.391	0.51	0.48	0.59	0.88	0.75
	Left Tilted	0.245	0.259	0.474	0.022	0.161	0.50	0.72	0.74	0.88	0.98
FR1 n41 Ant 31	Right Cheek	0.056	0.165	0.210	0.044	0.087	0.22	0.27	0.31	0.35	0.43
	Right Tilted	0.054	0.102	0.187	0.016	0.096	0.16	0.24	0.26	0.34	0.34
	Left Cheek	0.040	0.269	0.242	0.103	0.391	0.31	0.28	0.39	0.67	0.55
	Left Tilted	0.063	0.259	0.474	0.022	0.161	0.32	0.54	0.56	0.70	0.80
FR1 n41 Ant 25	Right Cheek	0.283	0.165	0.210	0.044	0.087	0.45	0.49	0.54	0.58	0.66
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.163	0.269	0.242	0.103	0.391	0.43	0.41	0.51	0.80	0.67
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n77 Ant 12	Right Cheek	0.436	0.165	0.210	0.044	0.087	0.60	0.65	0.69	0.73	0.81
	Right Tilted	0.235	0.102	0.187	0.016	0.096	0.34	0.42	0.44	0.52	0.52
	Left Cheek	0.085	0.269	0.242	0.103	0.391	0.35	0.33	0.43	0.72	0.60
	Left Tilted	0.076	0.259	0.474	0.022	0.161	0.34	0.55	0.57	0.71	0.81
FR1 n77 Ant 24	Right Cheek	0.109	0.165	0.210	0.044	0.087	0.27	0.32	0.36	0.41	0.48
	Right Tilted	0.061	0.102	0.187	0.016	0.096	0.16	0.25	0.26	0.34	0.35
	Left Cheek	0.361	0.269	0.242	0.103	0.391	0.63	0.60	0.71	0.99	0.87
	Left Tilted	0.123	0.259	0.474	0.022	0.161	0.38	0.60	0.62	0.76	0.86

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+3+4	1+3+5	1+2+3
		WWAN	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n78 Ant 12	Right Cheek	0.406	0.165	0.210	0.044	0.087	0.57	0.62	0.66	0.70	0.78
	Right Tilted	0.207	0.102	0.187	0.016	0.096	0.31	0.39	0.41	0.49	0.50
	Left Cheek	0.090	0.269	0.242	0.103	0.391	0.36	0.33	0.44	0.72	0.60
	Left Tilted	0.089	0.259	0.474	0.022	0.161	0.35	0.56	0.59	0.72	0.82
FR1 n78 Ant 24	Right Cheek	0.107	0.165	0.210	0.044	0.087	0.27	0.32	0.36	0.40	0.48
	Right Tilted	0.056		0.187	0.016	0.096	0.06	0.24	0.26	0.34	0.24
	Left Cheek	0.392	0.269	0.242	0.103	0.391	0.66	0.63	0.74	1.03	0.90
	Left Tilted	0.130	0.259	0.474	0.022	0.161	0.39	0.60	0.63	0.77	0.86
FR1 n78 Ant 101	Right Cheek	0.083	0.165	0.210	0.044	0.087	0.25	0.29	0.34	0.38	0.46
	Right Tilted		0.102	0.187	0.016	0.096	0.10	0.19	0.20	0.28	0.29
	Left Cheek	0.033	0.269	0.242	0.103	0.391	0.30	0.28	0.38	0.67	0.54
	Left Tilted		0.259	0.474	0.022	0.161	0.26	0.47	0.50	0.64	0.73
FR1 n78 Ant 103	Right Cheek	0.030	0.165	0.210	0.044	0.087	0.20	0.24	0.28	0.33	0.41
	Right Tilted	0.040	0.102	0.187	0.016	0.096	0.14	0.23	0.24	0.32	0.33
	Left Cheek	0.102	0.269	0.242	0.103	0.391	0.37	0.34	0.45	0.74	0.61
	Left Tilted	0.132	0.259	0.474	0.022	0.161	0.39	0.61	0.63	0.77	0.87

EN-DC

WWAN Band		Exposure Position	1	2	5	6	1+2+5	1+2+6
			WWAN	FR1	Bluetooth Ant 24	Bluetooth Ant 23	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)
LTE ALL Band	FR1 ALL Band	Right Cheek	0.575	0.720	0.044	0.087	1.34	1.38
		Right Tilted	0.566	0.683	0.016	0.096	1.27	1.35
		Left Cheek	0.513	0.392	0.103	0.391	1.01	1.30
		Left Tilted	0.414	0.512	0.022	0.161	0.95	1.09
LTE ALL Band	FR1 ALL Band(SRS)	Right Cheek	0.575	0.083	0.044	0.087	0.70	0.75
		Right Tilted	0.566	0.040	0.016	0.096	0.62	0.70
		Left Cheek	0.513	0.102	0.103	0.391	0.72	1.01
		Left Tilted	0.414	0.132	0.022	0.161	0.57	0.71

WWAN Band		Exposure Position	1	2	3	4	5	6	1+2	1+2+3	1+2+4	1+2+4+5	1+2+4+6	1+2+3+4
			WWAN	FR1	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE ALL Band	FR1 ALL Band	Right Cheek	0.241	0.206	0.165	0.210	0.044	0.087	0.45	0.61	0.66	0.70	0.74	0.82
		Right Tilted	0.148	0.215	0.102	0.187	0.016	0.096	0.36	0.47	0.55	0.57	0.65	0.65
		Left Cheek	0.139	0.128	0.269	0.242	0.103	0.391	0.27	0.54	0.51	0.61	0.90	0.78
		Left Tilted	0.119	0.156	0.259	0.474	0.022	0.161	0.28	0.53	0.75	0.77	0.91	1.01
LTE ALL Band	FR1 ALL Band(SRS)	Right Cheek	0.241	0.062	0.165	0.210	0.044	0.087	0.30	0.47	0.51	0.56	0.60	0.68
		Right Tilted	0.148		0.102	0.187	0.016	0.096	0.15	0.25	0.34	0.35	0.43	0.44
		Left Cheek	0.139	0.101	0.269	0.242	0.103	0.391	0.24	0.51	0.48	0.59	0.87	0.75
		Left Tilted	0.119	0.093	0.259	0.474	0.022	0.161	0.21	0.47	0.69	0.71	0.85	0.94

**16.2 Hotspot Exposure Conditions**

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 11	Front	0.182	0.107	0.126	0.028	0.044	0.29	0.31	0.21	0.23	0.15	0.17	0.34	0.35	0.42
	Back	0.248	0.143	0.135	0.038	0.059	0.39	0.38	0.29	0.31	0.17	0.19	0.42	0.44	0.53
	Left side	0.331					0.33	0.33	0.33	0.33	0.00	0.00	0.33	0.33	0.33
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GSM1900 Ant 13	Front	0.177	0.107	0.126	0.028	0.044	0.28	0.30	0.21	0.22	0.15	0.17	0.33	0.35	0.41
	Back	0.157	0.143	0.135	0.038	0.059	0.30	0.29	0.20	0.22	0.17	0.19	0.33	0.35	0.44
	Left side	0.036					0.04	0.04	0.04	0.04	0.00	0.00	0.04	0.04	0.04
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.550	0.107	0.309	0.008	0.037	0.66	0.86	0.56	0.59	0.32	0.35	0.87	0.90	0.97
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GSM1900 Ant 31	Front	0.205	0.107	0.126	0.028	0.044	0.31	0.33	0.23	0.25	0.15	0.17	0.36	0.38	0.44
	Back	0.304	0.143	0.135	0.038	0.059	0.45	0.44	0.34	0.36	0.17	0.19	0.48	0.50	0.58
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.127	0.267	0.231	0.071	0.044	0.39	0.36	0.20	0.17	0.30	0.28	0.43	0.40	0.63
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.539					0.54	0.54	0.54	0.54	0.00	0.00	0.54	0.54	0.54
CDMA BC0 Ant 11	Front	0.247	0.107	0.126	0.028	0.044	0.35	0.37	0.28	0.29	0.15	0.17	0.40	0.42	0.48
	Back	0.503	0.143	0.135	0.038	0.059	0.65	0.64	0.54	0.56	0.17	0.19	0.68	0.70	0.78
	Left side	0.293					0.29	0.29	0.29	0.29	0.00	0.00	0.29	0.29	0.29
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CDMA BC0 Ant 41	Front	0.331	0.107	0.126	0.028	0.044	0.44	0.46	0.36	0.38	0.15	0.17	0.49	0.50	0.56
	Back	0.401	0.143	0.135	0.038	0.059	0.54	0.54	0.44	0.46	0.17	0.19	0.57	0.60	0.68
	Left side	0.066					0.07	0.07	0.07	0.07	0.00	0.00	0.07	0.07	0.07
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.293					0.29	0.29	0.29	0.29	0.00	0.00	0.29	0.29	0.29
WCDMA V Ant 11	Front	0.274	0.107	0.126	0.028	0.044	0.38	0.40	0.30	0.32	0.15	0.17	0.43	0.44	0.51
	Back	0.424	0.143	0.135	0.038	0.059	0.57	0.56	0.46	0.48	0.17	0.19	0.60	0.62	0.70
	Left side	0.611					0.61	0.61	0.61	0.61	0.00	0.00	0.61	0.61	0.61
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA V Ant 41	Front	0.385	0.107	0.126	0.028	0.044	0.49	0.51	0.41	0.43	0.15	0.17	0.54	0.56	0.62
	Back	0.477	0.143	0.135	0.038	0.059	0.62	0.61	0.52	0.54	0.17	0.19	0.65	0.67	0.76
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.276					0.28	0.28	0.28	0.28	0.00	0.00	0.28	0.28	0.28
WCDMA IV Ant 13	Front	0.227	0.107	0.126	0.028	0.044	0.33	0.35	0.26	0.27	0.15	0.17	0.38	0.40	0.46
	Back	0.197	0.143	0.135	0.038	0.059	0.34	0.33	0.24	0.26	0.17	0.19	0.37	0.39	0.48
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.555	0.107	0.309	0.008	0.037	0.66	0.86	0.56	0.59	0.32	0.35	0.87	0.90	0.97
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA IV Ant 31	Front	0.190	0.107	0.126	0.028	0.044	0.30	0.32	0.22	0.23	0.15	0.17	0.34	0.36	0.42
	Back	0.327	0.143	0.135	0.038	0.059	0.47	0.46	0.37	0.39	0.17	0.19	0.50	0.52	0.61
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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	Right side	0.141	0.267	0.231	0.071	0.044	0.41	0.37	0.21	0.19	0.30	0.28	0.44	0.42	0.64
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.472					0.47	0.47	0.47	0.47	0.00	0.00	0.47	0.47	0.47
WCDMA II Ant 13	Front	0.213	0.107	0.126	0.028	0.044	0.32	0.34	0.24	0.26	0.15	0.17	0.37	0.38	0.45
	Back	0.191	0.143	0.135	0.038	0.059	0.33	0.33	0.23	0.25	0.17	0.19	0.36	0.39	0.47
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.572	0.107	0.309	0.008	0.037	0.68	0.88	0.58	0.61	0.32	0.35	0.89	0.92	0.99
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA II Ant 31	Front	0.151	0.107	0.126	0.028	0.044	0.26	0.28	0.18	0.20	0.15	0.17	0.31	0.32	0.38
	Back	0.256	0.143	0.135	0.038	0.059	0.40	0.39	0.29	0.32	0.17	0.19	0.43	0.45	0.53
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.140	0.267	0.231	0.071	0.044	0.41	0.37	0.21	0.18	0.30	0.28	0.44	0.42	0.64
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.416					0.42	0.42	0.42	0.42	0.00	0.00	0.42	0.42	0.42
LTE Band 12 Ant 11	Front	0.222	0.107	0.126	0.028	0.044	0.33	0.35	0.25	0.27	0.15	0.17	0.38	0.39	0.46
	Back	0.326	0.143	0.135	0.038	0.059	0.47	0.46	0.36	0.39	0.17	0.19	0.50	0.52	0.60
	Left side	0.494					0.49	0.49	0.49	0.49	0.00	0.00	0.49	0.49	0.49
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 12 Ant 41	Front	0.306	0.107	0.126	0.028	0.044	0.41	0.43	0.33	0.35	0.15	0.17	0.46	0.48	0.54
	Back	0.322	0.143	0.135	0.038	0.059	0.47	0.46	0.36	0.38	0.17	0.19	0.50	0.52	0.60
	Left side	0.061					0.06	0.06	0.06	0.06	0.00	0.00	0.06	0.06	0.06
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.250					0.25	0.25	0.25	0.25	0.00	0.00	0.25	0.25	0.25
LTE Band 13 Ant 11	Front	0.184	0.107	0.126	0.028	0.044	0.29	0.31	0.21	0.23	0.15	0.17	0.34	0.35	0.42
	Back	0.272	0.143	0.135	0.038	0.059	0.42	0.41	0.31	0.33	0.17	0.19	0.45	0.47	0.55
	Left side	0.453					0.45	0.45	0.45	0.45	0.00	0.00	0.45	0.45	0.45
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 13 Ant 41	Front	0.570	0.107	0.126	0.028	0.044	0.68	0.70	0.60	0.61	0.15	0.17	0.72	0.74	0.80
	Back	0.650	0.143	0.135	0.038	0.059	0.79	0.79	0.69	0.71	0.17	0.19	0.82	0.84	0.93
	Left side	0.140					0.14	0.14	0.14	0.14	0.00	0.00	0.14	0.14	0.14
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.390					0.39	0.39	0.39	0.39	0.00	0.00	0.39	0.39	0.39
LTE Band 17 Ant 11	Front	0.230	0.107	0.126	0.028	0.044	0.34	0.36	0.26	0.27	0.15	0.17	0.38	0.40	0.46
	Back	0.330	0.143	0.135	0.038	0.059	0.47	0.47	0.37	0.39	0.17	0.19	0.50	0.52	0.61
	Left side	0.521					0.52	0.52	0.52	0.52	0.00	0.00	0.52	0.52	0.52
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 17 Ant 41	Front	0.301	0.107	0.126	0.028	0.044	0.41	0.43	0.33	0.35	0.15	0.17	0.46	0.47	0.53
	Back	0.323	0.143	0.135	0.038	0.059	0.47	0.46	0.36	0.38	0.17	0.19	0.50	0.52	0.60
	Left side	0.071					0.07	0.07	0.07	0.07	0.00	0.00	0.07	0.07	0.07
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.276					0.28	0.28	0.28	0.28	0.00	0.00	0.28	0.28	0.28
LTE Band 5 Ant 11	Front	0.272	0.107	0.126	0.028	0.044	0.38	0.40	0.30	0.32	0.15	0.17	0.43	0.44	0.51
	Back	0.376	0.143	0.135	0.038	0.059	0.52	0.51	0.41	0.44	0.17	0.19	0.55	0.57	0.65
	Left side	0.555					0.56	0.56	0.56	0.56	0.00	0.00	0.56	0.56	0.56
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.029	0.107	0.309	0.008	0.037	0.14	0.34	0.04	0.07	0.32	0.35	0.35	0.38	0.45
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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LTE Band 5 Ant 41	Front	0.400	0.107	0.126	0.028	0.044	0.51	0.53	0.43	0.44	0.15	0.17	0.55	0.57	0.63
	Back	0.452	0.143	0.135	0.038	0.059	0.60	0.59	0.49	0.51	0.17	0.19	0.63	0.65	0.73
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.292					0.29	0.29	0.29	0.29	0.00	0.00	0.29	0.29	0.29
LTE Band 18 Ant 11	Front	0.261	0.107	0.126	0.028	0.044	0.37	0.39	0.29	0.31	0.15	0.17	0.42	0.43	0.49
	Back	0.365	0.143	0.135	0.038	0.059	0.51	0.50	0.40	0.42	0.17	0.19	0.54	0.56	0.64
	Left side	0.568					0.57	0.57	0.57	0.57	0.00	0.00	0.57	0.57	0.57
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 18 Ant 41	Front	0.290	0.107	0.126	0.028	0.044	0.40	0.42	0.32	0.33	0.15	0.17	0.44	0.46	0.52
	Back	0.335	0.143	0.135	0.038	0.059	0.48	0.47	0.37	0.39	0.17	0.19	0.51	0.53	0.61
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.174					0.17	0.17	0.17	0.17	0.00	0.00	0.17	0.17	0.17
LTE Band 19 Ant 11	Front	0.355	0.107	0.126	0.028	0.044	0.46	0.48	0.38	0.40	0.15	0.17	0.51	0.53	0.59
	Back	0.409	0.143	0.135	0.038	0.059	0.55	0.54	0.45	0.47	0.17	0.19	0.58	0.60	0.69
	Left side	0.594					0.59	0.59	0.59	0.59	0.00	0.00	0.59	0.59	0.59
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 19 Ant 41	Front	0.391	0.107	0.126	0.028	0.044	0.50	0.52	0.42	0.44	0.15	0.17	0.55	0.56	0.62
	Back	0.426	0.143	0.135	0.038	0.059	0.57	0.56	0.46	0.49	0.17	0.19	0.60	0.62	0.70
	Left side	0.065					0.07	0.07	0.07	0.07	0.00	0.00	0.07	0.07	0.07
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.227					0.23	0.23	0.23	0.23	0.00	0.00	0.23	0.23	0.23
LTE Band 26 Ant 11	Front	0.268	0.107	0.126	0.028	0.044	0.38	0.39	0.30	0.31	0.15	0.17	0.42	0.44	0.50
	Back	0.319	0.143	0.135	0.038	0.059	0.46	0.45	0.36	0.38	0.17	0.19	0.49	0.51	0.60
	Left side	0.526					0.53	0.53	0.53	0.53	0.00	0.00	0.53	0.53	0.53
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 26 Ant 41	Front	0.325	0.107	0.126	0.028	0.044	0.43	0.45	0.35	0.37	0.15	0.17	0.48	0.50	0.56
	Back	0.348	0.143	0.135	0.038	0.059	0.49	0.48	0.39	0.41	0.17	0.19	0.52	0.54	0.63
	Left side	0.057					0.06	0.06	0.06	0.06	0.00	0.00	0.06	0.06	0.06
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.242					0.24	0.24	0.24	0.24	0.00	0.00	0.24	0.24	0.24
LTE Band 4 Ant 13	Front	0.201	0.107	0.126	0.028	0.044	0.31	0.33	0.23	0.25	0.15	0.17	0.36	0.37	0.43
	Back	0.206	0.143	0.135	0.038	0.059	0.35	0.34	0.24	0.27	0.17	0.19	0.38	0.40	0.48
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.487	0.107	0.309	0.008	0.037	0.59	0.80	0.50	0.52	0.32	0.35	0.80	0.83	0.90
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 4 Ant 31	Front	0.178	0.107	0.126	0.028	0.044	0.29	0.30	0.21	0.22	0.15	0.17	0.33	0.35	0.41
	Back	0.312	0.143	0.135	0.038	0.059	0.46	0.45	0.35	0.37	0.17	0.19	0.49	0.51	0.59
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.145	0.267	0.231	0.071	0.044	0.41	0.38	0.22	0.19	0.30	0.28	0.45	0.42	0.64
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.415					0.42	0.42	0.42	0.42	0.00	0.00	0.42	0.42	0.42
LTE Band 4 Ant 25	Front	0.192	0.107	0.126	0.028	0.044	0.30	0.32	0.22	0.24	0.15	0.17	0.35	0.36	0.43
	Back	0.228	0.143	0.135	0.038	0.059	0.37	0.36	0.27	0.29	0.17	0.19	0.40	0.42	0.51
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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	Right side	0.530	0.267	0.231	0.071	0.044	0.80	0.76	0.60	0.57	0.30	0.28	0.83	0.81	1.03
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 Ant 13	Front	0.193	0.107	0.126	0.028	0.044	0.30	0.32	0.22	0.24	0.15	0.17	0.35	0.36	0.43
	Back	0.165	0.143	0.135	0.038	0.059	0.31	0.30	0.20	0.22	0.17	0.19	0.34	0.36	0.44
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.490	0.107	0.309	0.008	0.037	0.60	0.80	0.50	0.53	0.32	0.35	0.81	0.84	0.91
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 Ant 31	Front	0.176	0.107	0.126	0.028	0.044	0.28	0.30	0.20	0.22	0.15	0.17	0.33	0.35	0.41
	Back	0.310	0.143	0.135	0.038	0.059	0.45	0.45	0.35	0.37	0.17	0.19	0.48	0.50	0.59
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.124	0.267	0.231	0.071	0.044	0.39	0.36	0.20	0.17	0.30	0.28	0.43	0.40	0.62
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.499					0.50	0.50	0.50	0.50	0.00	0.00	0.50	0.50	0.50
LTE Band 66 Ant 25	Front	0.214	0.107	0.126	0.028	0.044	0.32	0.34	0.24	0.26	0.15	0.17	0.37	0.38	0.45
	Back	0.177	0.143	0.135	0.038	0.059	0.32	0.31	0.22	0.24	0.17	0.19	0.35	0.37	0.46
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.534	0.267	0.231	0.071	0.044	0.80	0.77	0.61	0.58	0.30	0.28	0.84	0.81	1.03
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 13	Front	0.175	0.107	0.126	0.028	0.044	0.28	0.30	0.20	0.22	0.15	0.17	0.33	0.35	0.41
	Back	0.149	0.143	0.135	0.038	0.059	0.29	0.28	0.19	0.21	0.17	0.19	0.32	0.34	0.43
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.476	0.107	0.309	0.008	0.037	0.58	0.79	0.48	0.51	0.32	0.35	0.79	0.82	0.89
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 2 Ant 31	Front	0.129	0.107	0.126	0.028	0.044	0.24	0.26	0.16	0.17	0.15	0.17	0.28	0.30	0.36
	Back	0.217	0.143	0.135	0.038	0.059	0.36	0.35	0.26	0.28	0.17	0.19	0.39	0.41	0.50
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.091	0.267	0.231	0.071	0.044	0.36	0.32	0.16	0.14	0.30	0.28	0.39	0.37	0.59
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.381					0.38	0.38	0.38	0.38	0.00	0.00	0.38	0.38	0.38
LTE Band 7 Ant 13	Front	0.142	0.107	0.126	0.028	0.044	0.25	0.27	0.17	0.19	0.15	0.17	0.30	0.31	0.38
	Back	0.152	0.143	0.135	0.038	0.059	0.30	0.29	0.19	0.21	0.17	0.19	0.33	0.35	0.43
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.362	0.107	0.309	0.008	0.037	0.47	0.67	0.37	0.40	0.32	0.35	0.68	0.71	0.78
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 Ant 31	Front	0.128	0.107	0.126	0.028	0.044	0.24	0.25	0.16	0.17	0.15	0.17	0.28	0.30	0.36
	Back	0.370	0.143	0.135	0.038	0.059	0.51	0.51	0.41	0.43	0.17	0.19	0.54	0.56	0.65
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.103	0.267	0.231	0.071	0.044	0.37	0.33	0.17	0.15	0.30	0.28	0.41	0.38	0.60
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.230					0.23	0.23	0.23	0.23	0.00	0.00	0.23	0.23	0.23
LTE Band 7 Ant 25	Front	0.127	0.107	0.126	0.028	0.044	0.23	0.25	0.16	0.17	0.15	0.17	0.28	0.30	0.36
	Back	0.115	0.143	0.135	0.038	0.059	0.26	0.25	0.15	0.17	0.17	0.19	0.29	0.31	0.39
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.397	0.267	0.231	0.071	0.044	0.66	0.63	0.47	0.44	0.30	0.28	0.70	0.67	0.90
	Top side	0.030	0.107	0.309	0.008	0.037	0.14	0.34	0.04	0.07	0.32	0.35	0.35	0.38	0.45
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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LTE Band 38 Ant 13	Front	0.222	0.107	0.126	0.028	0.044	0.33	0.35	0.25	0.27	0.15	0.17	0.38	0.39	0.46
	Back	0.213	0.143	0.135	0.038	0.059	0.36	0.35	0.25	0.27	0.17	0.19	0.39	0.41	0.49
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.438	0.107	0.309	0.008	0.037	0.55	0.75	0.45	0.48	0.32	0.35	0.76	0.78	0.85
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 38 Ant 31	Front	0.126	0.107	0.126	0.028	0.044	0.23	0.25	0.15	0.17	0.15	0.17	0.28	0.30	0.36
	Back	0.268	0.143	0.135	0.038	0.059	0.41	0.40	0.31	0.33	0.17	0.19	0.44	0.46	0.55
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.085	0.267	0.231	0.071	0.044	0.35	0.32	0.16	0.13	0.30	0.28	0.39	0.36	0.58
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.263					0.26	0.26	0.26	0.26	0.00	0.00	0.26	0.26	0.26
LTE Band 38 Ant 25	Front	0.164	0.107	0.126	0.028	0.044	0.27	0.29	0.19	0.21	0.15	0.17	0.32	0.33	0.40
	Back	0.262	0.143	0.135	0.038	0.059	0.41	0.40	0.30	0.32	0.17	0.19	0.44	0.46	0.54
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.693	0.267	0.231	0.071	0.044	0.96	0.92	0.76	0.74	0.30	0.28	1.00	0.97	1.19
	Top side	0.040	0.107	0.309	0.008	0.037	0.15	0.35	0.05	0.08	0.32	0.35	0.36	0.39	0.46
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 13	Front	0.208	0.107	0.126	0.028	0.044	0.32	0.33	0.24	0.25	0.15	0.17	0.36	0.38	0.44
	Back	0.174	0.143	0.135	0.038	0.059	0.32	0.31	0.21	0.23	0.17	0.19	0.35	0.37	0.45
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.385	0.107	0.309	0.008	0.037	0.49	0.69	0.39	0.42	0.32	0.35	0.70	0.73	0.80
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 31	Front	0.139	0.107	0.126	0.028	0.044	0.25	0.27	0.17	0.18	0.15	0.17	0.29	0.31	0.37
	Back	0.414	0.143	0.135	0.038	0.059	0.56	0.55	0.45	0.47	0.17	0.19	0.59	0.61	0.69
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.108	0.267	0.231	0.071	0.044	0.38	0.34	0.18	0.15	0.30	0.28	0.41	0.38	0.61
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.266					0.27	0.27	0.27	0.27	0.00	0.00	0.27	0.27	0.27
LTE Band 41 Ant 25	Front	0.158	0.107	0.126	0.028	0.044	0.27	0.28	0.19	0.20	0.15	0.17	0.31	0.33	0.39
	Back	0.271	0.143	0.135	0.038	0.059	0.41	0.41	0.31	0.33	0.17	0.19	0.44	0.47	0.55
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.690	0.267	0.231	0.071	0.044	0.96	0.92	0.76	0.73	0.30	0.28	0.99	0.97	1.19
	Top side	0.460	0.107	0.309	0.008	0.037	0.57	0.77	0.47	0.50	0.32	0.35	0.78	0.81	0.88
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 42 Ant 12	Front	0.153	0.107	0.126	0.028	0.044	0.26	0.28	0.18	0.20	0.15	0.17	0.31	0.32	0.39
	Back	0.173	0.143	0.135	0.038	0.059	0.32	0.31	0.21	0.23	0.17	0.19	0.35	0.37	0.45
	Left side	0.496					0.50	0.50	0.50	0.50	0.00	0.00	0.50	0.50	0.50
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.109	0.107	0.309	0.008	0.037	0.22	0.42	0.12	0.15	0.32	0.35	0.43	0.46	0.53
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 42 Ant 24	Front	0.142	0.107	0.126	0.028	0.044	0.25	0.27	0.17	0.19	0.15	0.17	0.30	0.31	0.38
	Back	0.147	0.143	0.135	0.038	0.059	0.29	0.28	0.19	0.21	0.17	0.19	0.32	0.34	0.43
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.512	0.267	0.231	0.071	0.044	0.78	0.74	0.58	0.56	0.30	0.28	0.81	0.79	1.01
	Top side	0.074	0.107	0.309	0.008	0.037	0.18	0.38	0.08	0.11	0.32	0.35	0.39	0.42	0.49
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n5 Ant 11	Front	0.165	0.107	0.126	0.028	0.044	0.27	0.29	0.19	0.21	0.15	0.17	0.32	0.34	0.40
	Back	0.230	0.143	0.135	0.038	0.059	0.37	0.37	0.27	0.29	0.17	0.19	0.40	0.42	0.51
	Left side	0.328					0.33	0.33	0.33	0.33	0.00	0.00	0.33	0.33	0.33
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n5 Ant 41	Front	0.332	0.107	0.126	0.028	0.044	0.44	0.46	0.36	0.38	0.15	0.17	0.49	0.50	0.57
	Back	0.416	0.143	0.135	0.038	0.059	0.56	0.55	0.45	0.48	0.17	0.19	0.59	0.61	0.69



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	Left side	0.054					0.05	0.05	0.05	0.05	0.00	0.00	0.05	0.05	0.05
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.248					0.25	0.25	0.25	0.25	0.00	0.00	0.25	0.25	0.25
FR1 n66 Ant 13	Front	0.123	0.107	0.126	0.028	0.044	0.23	0.25	0.15	0.17	0.15	0.17	0.28	0.29	0.36
	Back	0.112	0.143	0.135	0.038	0.059	0.26	0.25	0.15	0.17	0.17	0.19	0.29	0.31	0.39
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.313	0.107	0.309	0.008	0.037	0.42	0.62	0.32	0.35	0.32	0.35	0.63	0.66	0.73
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 31	Front	0.134	0.107	0.126	0.028	0.044	0.24	0.26	0.16	0.18	0.15	0.17	0.29	0.30	0.37
	Back	0.241	0.143	0.135	0.038	0.059	0.38	0.38	0.28	0.30	0.17	0.19	0.41	0.44	0.52
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.102	0.267	0.231	0.071	0.044	0.37	0.33	0.17	0.15	0.30	0.28	0.40	0.38	0.60
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.334					0.33	0.33	0.33	0.33	0.00	0.00	0.33	0.33	0.33
FR1 n66 Ant 25	Front	0.172	0.107	0.126	0.028	0.044	0.28	0.30	0.20	0.22	0.15	0.17	0.33	0.34	0.41
	Back	0.220	0.143	0.135	0.038	0.059	0.36	0.36	0.26	0.28	0.17	0.19	0.39	0.41	0.50
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.405	0.267	0.231	0.071	0.044	0.67	0.64	0.48	0.45	0.30	0.28	0.71	0.68	0.90
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n2 Ant 13	Front	0.094	0.107	0.126	0.028	0.044	0.20	0.22	0.12	0.14	0.15	0.17	0.25	0.26	0.33
	Back	0.093	0.143	0.135	0.038	0.059	0.24	0.23	0.13	0.15	0.17	0.19	0.27	0.29	0.37
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.282	0.107	0.309	0.008	0.037	0.39	0.59	0.29	0.32	0.32	0.35	0.60	0.63	0.70
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n2 Ant 31	Front	0.079	0.107	0.126	0.028	0.044	0.19	0.21	0.11	0.12	0.15	0.17	0.23	0.25	0.31
	Back	0.148	0.143	0.135	0.038	0.059	0.29	0.28	0.19	0.21	0.17	0.19	0.32	0.34	0.43
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.060	0.267	0.231	0.071	0.044	0.33	0.29	0.13	0.10	0.30	0.28	0.36	0.34	0.56
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.236					0.24	0.24	0.24	0.24	0.00	0.00	0.24	0.24	0.24
FR1 n7 Ant 13	Front	0.095	0.107	0.126	0.028	0.044	0.20	0.22	0.12	0.14	0.15	0.17	0.25	0.27	0.33
	Back	0.076	0.143	0.135	0.038	0.059	0.22	0.21	0.11	0.14	0.17	0.19	0.25	0.27	0.35
	Left side	0.020					0.02	0.02	0.02	0.02	0.00	0.00	0.02	0.02	0.02
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.406	0.107	0.309	0.008	0.037	0.51	0.72	0.41	0.44	0.32	0.35	0.72	0.75	0.82
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 31	Front	0.187	0.107	0.126	0.028	0.044	0.29	0.31	0.22	0.23	0.15	0.17	0.34	0.36	0.42
	Back	0.403	0.143	0.135	0.038	0.059	0.55	0.54	0.44	0.46	0.17	0.19	0.58	0.60	0.68
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.165	0.267	0.231	0.071	0.044	0.43	0.40	0.24	0.21	0.30	0.28	0.47	0.44	0.66
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.323					0.32	0.32	0.32	0.32	0.00	0.00	0.32	0.32	0.32
FR1 n7 Ant 25	Front	0.156	0.107	0.126	0.028	0.044	0.26	0.28	0.18	0.20	0.15	0.17	0.31	0.33	0.39
	Back	0.168	0.143	0.135	0.038	0.059	0.31	0.30	0.21	0.23	0.17	0.19	0.34	0.36	0.45
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.445	0.267	0.231	0.071	0.044	0.71	0.68	0.52	0.49	0.30	0.28	0.75	0.72	0.94
	Top side	0.048	0.107	0.309	0.008	0.037	0.16	0.36	0.06	0.09	0.32	0.35	0.37	0.39	0.46
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n38 Ant 13	Front	0.251	0.107	0.126	0.028	0.044	0.36	0.38	0.28	0.30	0.15	0.17	0.41	0.42	0.48
	Back	0.158	0.143	0.135	0.038	0.059	0.30	0.29	0.20	0.22	0.17	0.19	0.33	0.35	0.44
	Left side	0.044					0.04	0.04	0.04	0.04	0.00	0.00	0.04	0.04	0.04
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50



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	Top side	0.509	0.107	0.309	0.008	0.037	0.62	0.82	0.52	0.55	0.32	0.35	0.83	0.86	0.93
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n38 Ant 31	Front	0.153	0.107	0.126	0.028	0.044	0.26	0.28	0.18	0.20	0.15	0.17	0.31	0.32	0.39
	Back	0.432	0.143	0.135	0.038	0.059	0.58	0.57	0.47	0.49	0.17	0.19	0.61	0.63	0.71
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.146	0.267	0.231	0.071	0.044	0.41	0.38	0.22	0.19	0.30	0.28	0.45	0.42	0.64
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.287					0.29	0.29	0.29	0.29	0.00	0.00	0.29	0.29	0.29
FR1 n38 Ant 25	Front	0.218	0.107	0.126	0.028	0.044	0.33	0.34	0.25	0.26	0.15	0.17	0.37	0.39	0.45
	Back	0.251	0.143	0.135	0.038	0.059	0.39	0.39	0.29	0.31	0.17	0.19	0.42	0.45	0.53
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.592	0.267	0.231	0.071	0.044	0.86	0.82	0.66	0.64	0.30	0.28	0.89	0.87	1.09
	Top side	0.064	0.107	0.309	0.008	0.037	0.17	0.37	0.07	0.10	0.32	0.35	0.38	0.41	0.48
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41 Ant 13	Front	0.217	0.107	0.126	0.028	0.044	0.32	0.34	0.25	0.26	0.15	0.17	0.37	0.39	0.45
	Back	0.291	0.143	0.135	0.038	0.059	0.43	0.43	0.33	0.35	0.17	0.19	0.46	0.49	0.57
	Left side	0.045					0.05	0.05	0.05	0.05	0.00	0.00	0.05	0.05	0.05
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.462	0.107	0.309	0.008	0.037	0.57	0.77	0.47	0.50	0.32	0.35	0.78	0.81	0.88
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n41 Ant 31	Front	0.165	0.107	0.126	0.028	0.044	0.27	0.29	0.19	0.21	0.15	0.17	0.32	0.34	0.40
	Back	0.427	0.143	0.135	0.038	0.059	0.57	0.56	0.47	0.49	0.17	0.19	0.60	0.62	0.71
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.133	0.267	0.231	0.071	0.044	0.40	0.36	0.20	0.18	0.30	0.28	0.44	0.41	0.63
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side	0.277					0.28	0.28	0.28	0.28	0.00	0.00	0.28	0.28	0.28
FR1 n41 Ant 25	Front	0.160	0.107	0.126	0.028	0.044	0.27	0.29	0.19	0.20	0.15	0.17	0.31	0.33	0.39
	Back	0.237	0.143	0.135	0.038	0.059	0.38	0.37	0.28	0.30	0.17	0.19	0.41	0.43	0.52
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.409	0.267	0.231	0.071	0.044	0.68	0.64	0.48	0.45	0.30	0.28	0.71	0.68	0.91
	Top side	0.058	0.107	0.309	0.008	0.037	0.17	0.37	0.07	0.10	0.32	0.35	0.38	0.40	0.47
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n77 Ant 12	Front	0.124	0.107	0.126	0.028	0.044	0.23	0.25	0.15	0.17	0.15	0.17	0.28	0.29	0.36
	Back	0.157	0.143	0.135	0.038	0.059	0.30	0.29	0.20	0.22	0.17	0.19	0.33	0.35	0.44
	Left side	0.319					0.32	0.32	0.32	0.32	0.00	0.00	0.32	0.32	0.32
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.081	0.107	0.309	0.008	0.037	0.19	0.39	0.09	0.12	0.32	0.35	0.40	0.43	0.50
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n77 Ant 24	Front	0.089	0.107	0.126	0.028	0.044	0.20	0.22	0.12	0.13	0.15	0.17	0.24	0.26	0.32
	Back	0.135	0.143	0.135	0.038	0.059	0.28	0.27	0.17	0.19	0.17	0.19	0.31	0.33	0.41
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.282	0.267	0.231	0.071	0.044	0.55	0.51	0.35	0.33	0.30	0.28	0.58	0.56	0.78
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 24+23 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
FR1 n78 Ant 12	Front	0.117	0.107	0.126	0.028	0.044	0.22	0.24	0.15	0.16	0.15	0.17	0.27	0.29	0.35
	Back	0.134	0.143	0.135	0.038	0.059	0.28	0.27	0.17	0.19	0.17	0.19	0.31	0.33	0.41
	Left side	0.348					0.35	0.35	0.35	0.35	0.00	0.00	0.35	0.35	0.35
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.072	0.107	0.309	0.008	0.037	0.18	0.38	0.08	0.11	0.32	0.35	0.39	0.42	0.49
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n78	Front	0.092	0.107	0.126	0.028	0.044	0.20	0.22	0.12	0.14	0.15	0.17	0.25	0.26	0.33



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Ant 24	Back	0.122	0.143	0.135	0.038	0.059	0.27	0.26	0.16	0.18	0.17	0.19	0.30	0.32	0.40
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side	0.268	0.267	0.231	0.071	0.044	0.54	0.50	0.34	0.31	0.30	0.28	0.57	0.54	0.77
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n78 Ant 101	Front	0.015	0.107	0.126	0.028	0.044	0.12	0.14	0.04	0.06	0.15	0.17	0.17	0.19	0.25
	Back	0.065	0.143	0.135	0.038	0.059	0.21	0.20	0.10	0.12	0.17	0.19	0.24	0.26	0.34
	Left side	0.021					0.02	0.02	0.02	0.02	0.00	0.00	0.02	0.02	0.02
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side		0.107	0.309	0.008	0.037	0.11	0.31	0.01	0.04	0.32	0.35	0.32	0.35	0.42
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n78 Ant 103	Front	0.010	0.107	0.126	0.028	0.044	0.12	0.14	0.04	0.05	0.15	0.17	0.16	0.18	0.24
	Back	0.083	0.143	0.135	0.038	0.059	0.23	0.22	0.12	0.14	0.17	0.19	0.26	0.28	0.36
	Left side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right side		0.267	0.231	0.071	0.044	0.27	0.23	0.07	0.04	0.30	0.28	0.30	0.28	0.50
	Top side	0.034	0.107	0.309	0.008	0.037	0.14	0.34	0.04	0.07	0.32	0.35	0.35	0.38	0.45
	Bottom side						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EN-DC

WWAN Band	Exposure Position	1	6	2	3	4	5	1+2+6	1+3+6	1+4+6	1+5+6	1+3+4+6	1+3+5+6	1+2+3+6
		WWAN	FR1	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE ALL Band	Front	0.140	0.071	0.107	0.126	0.028	0.044	0.32	0.34	0.24	0.26	0.37	0.38	0.44
	Back	0.173	0.127	0.143	0.135	0.038	0.059	0.44	0.44	0.34	0.36	0.47	0.49	0.58
	Left side	0.195	0.156					0.35	0.35	0.35	0.35	0.35	0.35	0.35
	Right side	0.176	0.153	0.267	0.231	0.071	0.044	0.60	0.56	0.40	0.37	0.63	0.60	0.83
	Top side	0.134	0.201	0.107	0.309	0.008	0.037	0.44	0.64	0.34	0.37	0.65	0.68	0.75
	Bottom side	0.134						0.13	0.13	0.13	0.13	0.13	0.13	0.13
LTE ALL Band	Front	0.140		0.107	0.126	0.028	0.044	0.25	0.27	0.17	0.18	0.29	0.31	0.37
	Back	0.173	0.110	0.143	0.135	0.038	0.059	0.43	0.42	0.32	0.34	0.46	0.48	0.56
	Left side	0.195	0.060					0.26	0.26	0.26	0.26	0.26	0.26	0.26
	Right side	0.176		0.267	0.231	0.071	0.044	0.44	0.41	0.25	0.22	0.48	0.45	0.67
	Top side	0.134	0.038	0.107	0.309	0.008	0.037	0.28	0.48	0.18	0.21	0.49	0.52	0.59
	Bottom side	0.134						0.13	0.13	0.13	0.13	0.13	0.13	0.13

**16.3 Body-Worn Accessory Exposure Conditions**

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 24+23 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
GSM850 Ant 11	Front	0.098	0.096	0.359	0.014	0.021	0.19	0.46	0.11	0.12	0.37	0.38	0.47	0.48	0.55
	Back	0.285	0.111	0.431	0.020	0.022	0.40	0.72	0.31	0.31	0.45	0.45	0.74	0.74	0.83
GSM1900 Ant 13	Front	0.323	0.096	0.359	0.014	0.021	0.42	0.68	0.34	0.34	0.37	0.38	0.70	0.70	0.78
	Back	0.187	0.111	0.431	0.020	0.022	0.30	0.62	0.21	0.21	0.45	0.45	0.64	0.64	0.73
GSM1900 Ant 31	Front	0.099	0.096	0.359	0.014	0.021	0.20	0.46	0.11	0.12	0.37	0.38	0.47	0.48	0.55
	Back	0.274	0.111	0.431	0.020	0.022	0.39	0.71	0.29	0.30	0.45	0.45	0.73	0.73	0.82
CDMA BC0 Ant 11	Front	0.185	0.096	0.359	0.014	0.021	0.28	0.54	0.20	0.21	0.37	0.38	0.56	0.57	0.64
	Back	0.305	0.111	0.431	0.020	0.022	0.42	0.74	0.33	0.33	0.45	0.45	0.76	0.76	0.85
CDMA BC0 Ant 41	Front	0.110	0.096	0.359	0.014	0.021	0.21	0.47	0.12	0.13	0.37	0.38	0.48	0.49	0.57
	Back	0.288	0.111	0.431	0.020	0.022	0.40	0.72	0.31	0.31	0.45	0.45	0.74	0.74	0.83
WCDMA V Ant 11	Front	0.173	0.096	0.359	0.014	0.021	0.27	0.53	0.19	0.19	0.37	0.38	0.55	0.55	0.63
	Back	0.309	0.111	0.431	0.020	0.022	0.42	0.74	0.33	0.33	0.45	0.45	0.76	0.76	0.85
WCDMA V Ant 41	Front	0.258	0.096	0.359	0.014	0.021	0.35	0.62	0.27	0.28	0.37	0.38	0.63	0.64	0.71
	Back	0.326	0.111	0.431	0.020	0.022	0.44	0.76	0.35	0.35	0.45	0.45	0.78	0.78	0.87
WCDMA IV Ant 13	Front	0.384	0.096	0.359	0.014	0.021	0.48	0.74	0.40	0.41	0.37	0.38	0.76	0.76	0.84
	Back	0.490	0.111	0.431	0.020	0.022	0.60	0.92	0.51	0.51	0.45	0.45	0.94	0.94	1.03
WCDMA IV Ant 31	Front	0.164	0.096	0.359	0.014	0.021	0.26	0.52	0.18	0.19	0.37	0.38	0.54	0.54	0.62
	Back	0.288	0.111	0.431	0.020	0.022	0.40	0.72	0.31	0.31	0.45	0.45	0.74	0.74	0.83
WCDMA II Ant 13	Front	0.353	0.096	0.359	0.014	0.021	0.45	0.71	0.37	0.37	0.37	0.38	0.73	0.73	0.81
	Back	0.286	0.111	0.431	0.020	0.022	0.40	0.72	0.31	0.31	0.45	0.45	0.74	0.74	0.83
WCDMA II Ant 31	Front	0.129	0.096	0.359	0.014	0.021	0.23	0.49	0.14	0.15	0.37	0.38	0.50	0.51	0.58
	Back	0.247	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.27	0.45	0.45	0.70	0.70	0.79
LTE Band 12 Ant 11	Front	0.186	0.096	0.359	0.014	0.021	0.28	0.55	0.20	0.21	0.37	0.38	0.56	0.57	0.64
	Back	0.237	0.111	0.431	0.020	0.022	0.35	0.67	0.26	0.26	0.45	0.45	0.69	0.69	0.78
LTE Band 12 Ant 41	Front	0.191	0.096	0.359	0.014	0.021	0.29	0.55	0.21	0.21	0.37	0.38	0.56	0.57	0.65
	Back	0.208	0.111	0.431	0.020	0.022	0.32	0.64	0.23	0.23	0.45	0.45	0.66	0.66	0.75
LTE Band 13 Ant 11	Front	0.158	0.096	0.359	0.014	0.021	0.25	0.52	0.17	0.18	0.37	0.38	0.53	0.54	0.61
	Back	0.297	0.111	0.431	0.020	0.022	0.41	0.73	0.32	0.32	0.45	0.45	0.75	0.75	0.84
LTE Band 13 Ant 41	Front	0.352	0.096	0.359	0.014	0.021	0.45	0.71	0.37	0.37	0.37	0.38	0.73	0.73	0.81
	Back	0.492	0.111	0.431	0.020	0.022	0.60	0.92	0.51	0.51	0.45	0.45	0.94	0.95	1.03
LTE Band 17 Ant 11	Front	0.168	0.096	0.359	0.014	0.021	0.26	0.53	0.18	0.19	0.37	0.38	0.54	0.55	0.62
	Back	0.143	0.111	0.431	0.020	0.022	0.25	0.57	0.16	0.17	0.45	0.45	0.59	0.60	0.69
LTE Band 17 Ant 41	Front	0.200	0.096	0.359	0.014	0.021	0.30	0.56	0.21	0.22	0.37	0.38	0.57	0.58	0.66
	Back	0.216	0.111	0.431	0.020	0.022	0.33	0.65	0.24	0.24	0.45	0.45	0.67	0.67	0.76
LTE Band 5 Ant 11	Front	0.166	0.096	0.359	0.014	0.021	0.26	0.53	0.18	0.19	0.37	0.38	0.54	0.55	0.62
	Back	0.296	0.111	0.431	0.020	0.022	0.41	0.73	0.32	0.32	0.45	0.45	0.75	0.75	0.84
LTE Band 5 Ant 41	Front	0.256	0.096	0.359	0.014	0.021	0.35	0.62	0.27	0.28	0.37	0.38	0.63	0.64	0.71
	Back	0.313	0.111	0.431	0.020	0.022	0.42	0.74	0.33	0.34	0.45	0.45	0.76	0.77	0.86
LTE Band 18 Ant 11	Front	0.173	0.096	0.359	0.014	0.021	0.27	0.53	0.19	0.19	0.37	0.38	0.55	0.55	0.63
	Back	0.270	0.111	0.431	0.020	0.022	0.38	0.70	0.29	0.29	0.45	0.45	0.72	0.72	0.81
LTE Band 18 Ant 41	Front	0.173	0.096	0.359	0.014	0.021	0.27	0.53	0.19	0.19	0.37	0.38	0.55	0.55	0.63
	Back	0.215	0.111	0.431	0.020	0.022	0.33	0.65	0.24	0.24	0.45	0.45	0.67	0.67	0.76
LTE Band 19 Ant 11	Front	0.171	0.096	0.359	0.014	0.021	0.27	0.53	0.19	0.19	0.37	0.38	0.54	0.55	0.63
	Back	0.306	0.111	0.431	0.020	0.022	0.42	0.74	0.33	0.33	0.45	0.45	0.76	0.76	0.85
LTE Band 19 Ant 41	Front	0.256	0.096	0.359	0.014	0.021	0.35	0.62	0.27	0.28	0.37	0.38	0.63	0.64	0.71
	Back	0.330	0.111	0.431	0.020	0.022	0.44	0.76	0.35	0.35	0.45	0.45	0.78	0.78	0.87
LTE Band 26 Ant 11	Front	0.165	0.096	0.359	0.014	0.021	0.26	0.52	0.18	0.19	0.37	0.38	0.54	0.55	0.62
	Back	0.327	0.111	0.431	0.020	0.022	0.44	0.76	0.35	0.35	0.45	0.45	0.78	0.78	0.87
LTE Band 26 Ant 41	Front	0.182	0.096	0.359	0.014	0.021	0.28	0.54	0.20	0.20	0.37	0.38	0.56	0.56	0.64
	Back	0.237	0.111	0.431	0.020	0.022	0.35	0.67	0.26	0.26	0.45	0.45	0.69	0.69	0.78



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LTE Band 4 Ant 13	Front	0.297	0.096	0.359	0.014	0.021	0.39	0.66	0.31	0.32	0.37	0.38	0.67	0.68	0.75
	Back	0.358	0.111	0.431	0.020	0.022	0.47	0.79	0.38	0.38	0.45	0.45	0.81	0.81	0.90
LTE Band 4 Ant 31	Front	0.126	0.096	0.359	0.014	0.021	0.22	0.49	0.14	0.15	0.37	0.38	0.50	0.51	0.58
	Back	0.241	0.111	0.431	0.020	0.022	0.35	0.67	0.26	0.26	0.45	0.45	0.69	0.69	0.78
LTE Band 4 Ant 25	Front	0.115	0.096	0.359	0.014	0.021	0.21	0.47	0.13	0.14	0.37	0.38	0.49	0.50	0.57
	Back	0.178	0.111	0.431	0.020	0.022	0.29	0.61	0.20	0.20	0.45	0.45	0.63	0.63	0.72
LTE Band 66 Ant 13	Front	0.296	0.096	0.359	0.014	0.021	0.39	0.66	0.31	0.32	0.37	0.38	0.67	0.68	0.75
	Back	0.339	0.111	0.431	0.020	0.022	0.45	0.77	0.36	0.36	0.45	0.45	0.79	0.79	0.88
LTE Band 66 Ant 31	Front	0.121	0.096	0.359	0.014	0.021	0.22	0.48	0.14	0.14	0.37	0.38	0.49	0.50	0.58
	Back	0.273	0.111	0.431	0.020	0.022	0.38	0.70	0.29	0.30	0.45	0.45	0.72	0.73	0.82
LTE Band 66 Ant 25	Front	0.117	0.096	0.359	0.014	0.021	0.21	0.48	0.13	0.14	0.37	0.38	0.49	0.50	0.57
	Back	0.172	0.111	0.431	0.020	0.022	0.28	0.60	0.19	0.19	0.45	0.45	0.62	0.63	0.71

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 24+23 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
LTE Band 2 Ant 13	Front	0.290	0.096	0.359	0.014	0.021	0.39	0.65	0.30	0.31	0.37	0.38	0.66	0.67	0.75
	Back	0.251	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.27	0.45	0.45	0.70	0.70	0.79
LTE Band 2 Ant 31	Front	0.104	0.096	0.359	0.014	0.021	0.20	0.46	0.12	0.13	0.37	0.38	0.48	0.48	0.56
	Back	0.201	0.111	0.431	0.020	0.022	0.31	0.63	0.22	0.22	0.45	0.45	0.65	0.65	0.74
LTE Band 7 Ant 13	Front	0.287	0.096	0.359	0.014	0.021	0.38	0.65	0.30	0.31	0.37	0.38	0.66	0.67	0.74
	Back	0.249	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.27	0.45	0.45	0.70	0.70	0.79
LTE Band 7 Ant 31	Front	0.099	0.096	0.359	0.014	0.021	0.20	0.46	0.11	0.12	0.37	0.38	0.47	0.48	0.55
	Back	0.253	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.28	0.45	0.45	0.70	0.71	0.80
LTE Band 7 Ant 25	Front	0.097	0.096	0.359	0.014	0.021	0.19	0.46	0.11	0.12	0.37	0.38	0.47	0.48	0.55
	Back	0.160	0.111	0.431	0.020	0.022	0.27	0.59	0.18	0.18	0.45	0.45	0.61	0.61	0.70
LTE Band 38 Ant 13	Front	0.206	0.096	0.359	0.014	0.021	0.30	0.57	0.22	0.23	0.37	0.38	0.58	0.59	0.66
	Back	0.154	0.111	0.431	0.020	0.022	0.27	0.59	0.17	0.18	0.45	0.45	0.61	0.61	0.70
LTE Band 38 Ant 31	Front	0.134	0.096	0.359	0.014	0.021	0.23	0.49	0.15	0.16	0.37	0.38	0.51	0.51	0.59
	Back	0.289	0.111	0.431	0.020	0.022	0.40	0.72	0.31	0.31	0.45	0.45	0.74	0.74	0.83
LTE Band 38 Ant 25	Front	0.101	0.096	0.359	0.014	0.021	0.20	0.46	0.12	0.12	0.37	0.38	0.47	0.48	0.56
	Back	0.176	0.111	0.431	0.020	0.022	0.29	0.61	0.20	0.20	0.45	0.45	0.63	0.63	0.72
LTE Band 41 Ant 13	Front	0.224	0.096	0.359	0.014	0.021	0.32	0.58	0.24	0.25	0.37	0.38	0.60	0.60	0.68
	Back	0.151	0.111	0.431	0.020	0.022	0.26	0.58	0.17	0.17	0.45	0.45	0.60	0.60	0.69
LTE Band 41 Ant 31	Front	0.103	0.096	0.359	0.014	0.021	0.20	0.46	0.12	0.12	0.37	0.38	0.48	0.48	0.56
	Back	0.278	0.111	0.431	0.020	0.022	0.39	0.71	0.30	0.30	0.45	0.45	0.73	0.73	0.82
LTE Band 41 Ant 25	Front	0.104	0.096	0.359	0.014	0.021	0.20	0.46	0.12	0.13	0.37	0.38	0.48	0.48	0.56
	Back	0.184	0.111	0.431	0.020	0.022	0.30	0.62	0.20	0.21	0.45	0.45	0.64	0.64	0.73
LTE Band 42 Ant 12	Front	0.306	0.096	0.359	0.014	0.021	0.40	0.67	0.32	0.33	0.37	0.38	0.68	0.69	0.76
	Back	0.506	0.111	0.431	0.020	0.022	0.62	0.94	0.53	0.53	0.45	0.45	0.96	0.96	1.05
LTE Band 42 Ant 24	Front	0.094	0.096	0.359	0.014	0.021	0.19	0.45	0.11	0.12	0.37	0.38	0.47	0.47	0.55
	Back	0.140	0.111	0.431	0.020	0.022	0.25	0.57	0.16	0.16	0.45	0.45	0.59	0.59	0.68
FR1 n5 Ant 11	Front	0.084	0.096	0.359	0.014	0.021	0.18	0.44	0.10	0.11	0.37	0.38	0.46	0.46	0.54
	Back	0.165	0.111	0.431	0.020	0.022	0.28	0.60	0.19	0.19	0.45	0.45	0.62	0.62	0.71
FR1 n5 Ant 41	Front	0.230	0.096	0.359	0.014	0.021	0.33	0.59	0.24	0.25	0.37	0.38	0.60	0.61	0.69
	Back	0.294	0.111	0.431	0.020	0.022	0.41	0.73	0.31	0.32	0.45	0.45	0.75	0.75	0.84
FR1 n66 Ant 13	Front	0.072	0.096	0.359	0.014	0.021	0.17	0.43	0.09	0.09	0.37	0.38	0.45	0.45	0.53
	Back	0.299	0.111	0.431	0.020	0.022	0.41	0.73	0.32	0.32	0.45	0.45	0.75	0.75	0.84
FR1 n66 Ant 31	Front	0.156	0.096	0.359	0.014	0.021	0.25	0.52	0.17	0.18	0.37	0.38	0.53	0.54	0.61
	Back	0.257	0.111	0.431	0.020	0.022	0.37	0.69	0.28	0.28	0.45	0.45	0.71	0.71	0.80
FR1 n66 Ant 25	Front	0.082	0.096	0.359	0.014	0.021	0.18	0.44	0.10	0.10	0.37	0.38	0.46	0.46	0.54
	Back	0.132	0.111	0.431	0.020	0.022	0.24	0.56	0.15	0.15	0.45	0.45	0.58	0.59	0.67
FR1 n2 Ant 13	Front	0.053	0.096	0.359	0.014	0.021	0.15	0.41	0.07	0.07	0.37	0.38	0.43	0.43	0.51
	Back	0.134	0.111	0.431	0.020	0.022	0.11	0.43	0.02	0.02	0.45	0.45	0.45	0.45	0.54
FR1 n2 Ant	Front	0.134	0.096	0.359	0.014	0.021	0.23	0.49	0.15	0.16	0.37	0.38	0.51	0.51	0.59



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31	Back	0.246	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.27	0.45	0.45	0.70	0.70	0.79
FR1 n7 Ant 13	Front	0.043	0.096	0.359	0.014	0.021	0.14	0.40	0.06	0.06	0.37	0.38	0.42	0.42	0.50
	Back		0.111	0.431	0.020	0.022	0.11	0.43	0.02	0.02	0.45	0.45	0.45	0.45	0.54
FR1 n7 Ant 31	Front	0.126	0.096	0.359	0.014	0.021	0.22	0.49	0.14	0.15	0.37	0.38	0.50	0.51	0.58
	Back	0.311	0.111	0.431	0.020	0.022	0.42	0.74	0.33	0.33	0.45	0.45	0.76	0.76	0.85
FR1 n7 Ant 25	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.046	0.111	0.431	0.020	0.022	0.16	0.48	0.07	0.07	0.45	0.45	0.50	0.50	0.59
FR1 n38 Ant 13	Front	0.046	0.096	0.359	0.014	0.021	0.14	0.41	0.06	0.07	0.37	0.38	0.42	0.43	0.50
	Back		0.111	0.431	0.020	0.022	0.11	0.43	0.02	0.02	0.45	0.45	0.45	0.45	0.54
FR1 n38 Ant 31	Front	0.112	0.096	0.359	0.014	0.021	0.21	0.47	0.13	0.13	0.37	0.38	0.49	0.49	0.57
	Back	0.277	0.111	0.431	0.020	0.022	0.39	0.71	0.30	0.30	0.45	0.45	0.73	0.73	0.82
FR1 n38 Ant 25	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.135	0.111	0.431	0.020	0.022	0.25	0.57	0.16	0.16	0.45	0.45	0.59	0.59	0.68
FR1 n41 Ant 13	Front	0.047	0.096	0.359	0.014	0.021	0.14	0.41	0.06	0.07	0.37	0.38	0.42	0.43	0.50
	Back		0.111	0.431	0.020	0.022	0.11	0.43	0.02	0.02	0.45	0.45	0.45	0.45	0.54
FR1 n41 Ant 31	Front	0.108	0.096	0.359	0.014	0.021	0.20	0.47	0.12	0.13	0.37	0.38	0.48	0.49	0.56
	Back	0.247	0.111	0.431	0.020	0.022	0.36	0.68	0.27	0.27	0.45	0.45	0.70	0.70	0.79
FR1 n41 Ant 25	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.044	0.111	0.431	0.020	0.022	0.16	0.48	0.06	0.07	0.45	0.45	0.50	0.50	0.59
FR1 n77 Ant 12	Front	0.057	0.096	0.359	0.014	0.021	0.15	0.42	0.07	0.08	0.37	0.38	0.43	0.44	0.51
	Back	0.061	0.111	0.431	0.020	0.022	0.17	0.49	0.08	0.08	0.45	0.45	0.51	0.51	0.60
FR1 n77 Ant 24	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.063	0.111	0.431	0.020	0.022	0.17	0.49	0.08	0.09	0.45	0.45	0.51	0.52	0.61

WWAN Band	Exposure Position	1	2	3	4	5	1+2	1+3	1+4	1+5	3+4	3+5	1+3+4	1+3+5	1+2+3
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 24+23 1g SAR (W/kg)	WLAN5GHz Ant 23+24 1g SAR (W/kg)	Bluetooth Ant 24 1g SAR (W/kg)	Bluetooth Ant 23 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
FR1 n78 Ant 12	Front	0.046	0.096	0.359	0.014	0.021	0.14	0.41	0.06	0.07	0.37	0.38	0.42	0.43	0.50
	Back	0.079	0.111	0.431	0.020	0.022	0.19	0.51	0.10	0.10	0.45	0.45	0.53	0.53	0.62
FR1 n78 Ant 24	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.078	0.111	0.431	0.020	0.022	0.19	0.51	0.10	0.10	0.45	0.45	0.53	0.53	0.62
FR1 n78 Ant 101	Front	0.010	0.096	0.359	0.014	0.021	0.11	0.37	0.02	0.03	0.37	0.38	0.38	0.39	0.47
	Back	0.018	0.111	0.431	0.020	0.022	0.13	0.45	0.04	0.04	0.45	0.45	0.47	0.47	0.56
FR1 n78 Ant 103	Front		0.096	0.359	0.014	0.021	0.10	0.36	0.01	0.02	0.37	0.38	0.37	0.38	0.46
	Back	0.031	0.111	0.431	0.020	0.022	0.14	0.46	0.05	0.05	0.45	0.45	0.48	0.48	0.57

EN-DC

Exposure Position	1	6	2	3	4	5	1+2+6	1+3+6	1+4+6	1+5+6	1+3+4+6	1+3+5+6	1+2+3+6
	WWAN	FR1	WLAN2.4GHz Ant 24+23	WLAN5GHz Ant 23+24	Bluetooth Ant 24	Bluetooth Ant 23	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front	0.315	0.269	0.096	0.359	0.014	0.021	0.68	0.94	0.60	0.61	0.96	0.96	1.04
Back	0.307	0.275	0.111	0.431	0.020	0.022	0.69	1.01	0.60	0.60	1.03	1.04	1.12
Front	0.315		0.096	0.359	0.014	0.021	0.41	0.67	0.33	0.34	0.69	0.70	0.77
Back	0.307	0.024	0.111	0.431	0.020	0.022	0.44	0.76	0.35	0.35	0.78	0.78	0.87

16.4 Product specific 10g SAR Exposure Conditions

WWAN Band	Exposure Position	1	3	1+3
		WWAN	WLAN5GHz Ant 23+24	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM1900 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	0.844	1.873	2.72
	Bottom side			0.00
WCDMA II Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	0.802	1.873	2.68
	Bottom side			0.00
LTE Band 4 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	1.004	1.873	2.88
	Bottom side			0.00
LTE Band 66 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	0.950	1.873	2.82
	Bottom side			0.00

WWAN Band	Exposure Position	1	3	1+3
		WWAN	WLAN5GHz Ant 23+24	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE Band 2 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	0.869	1.873	2.74
	Bottom side			0.00
LTE Band 7 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	1.457	1.873	3.33
	Bottom side			0.00
LTE Band 42 Ant 12	Front		1.308	1.31
	Back		0.847	0.85
	Left side	1.903		1.90
	Right side		2.825	2.83
	Top side		1.873	1.87
	Bottom side			0.00
FR1 n66 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00

	Right side		2.825	2.83
	Top side	0.481	1.873	2.35
	Bottom side			0.00
FR1 n2 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	0.562	1.873	2.44
	Bottom side			0.00
FR1 n38 Ant 13	Front		1.308	1.31
	Back		0.847	0.85
	Left side			0.00
	Right side		2.825	2.83
	Top side	1.380	1.873	3.25
	Bottom side			0.00
FR1 n77 Ant 12	Front		1.308	1.31
	Back		0.847	0.85
	Left side	0.938		0.94
	Right side		2.825	2.83
	Top side		1.873	1.87
	Bottom side			0.00

WWAN Band	Exposure Position	1	3	1+3
		WWAN	WLAN5GHz Ant 23+24	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n78 Ant 12	Front		1.308	1.31
	Back		0.847	0.85
	Left side	0.838		0.84
	Right side		2.825	2.83
	Top side		1.873	1.87
	Bottom side			0.00

EN-DC

WWAN Band	Exposure Position	1	6	3	1+3+6
		WWAN	FR1	WLAN5GHz Ant 23+24	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE ALL Band	Front			1.308	1.31
	Back			0.847	0.85
	Left side		0.820		0.82
	Right side			2.825	2.83
	Top side	0.724	1.151	1.873	3.75
	Bottom side				0.00
LTE ALL Band	Front			1.308	1.31
	Back			0.847	0.85
	Left side				0.00
	Right side			2.825	2.83
	Top side	0.848		1.873	2.72
	Bottom side				0.00

Note: 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.

Test Engineer : Hank Huang, Kevin Xu, David Dai, Bin He

17. Uncertainty Assessment

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

18. References

- [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
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [14] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015

-----THE END-----



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_750MHz

DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750_220323 Medium parameters used: $f = 750$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.45, 6.45, 6.45); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.94 W/kg

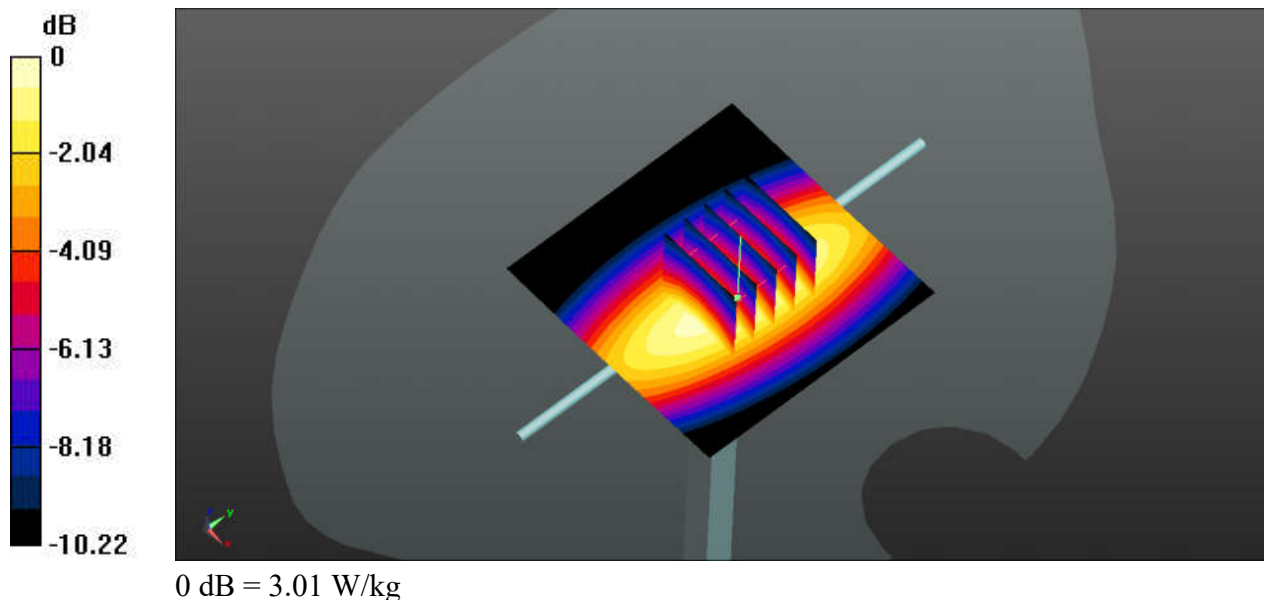
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 55.68 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.49 W/kg

Maximum value of SAR (measured) = 3.01 W/kg



System Check_750MHz

DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750_220324 Medium parameters used: $f = 750$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.873$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.45, 6.45, 6.45); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.87 W/kg

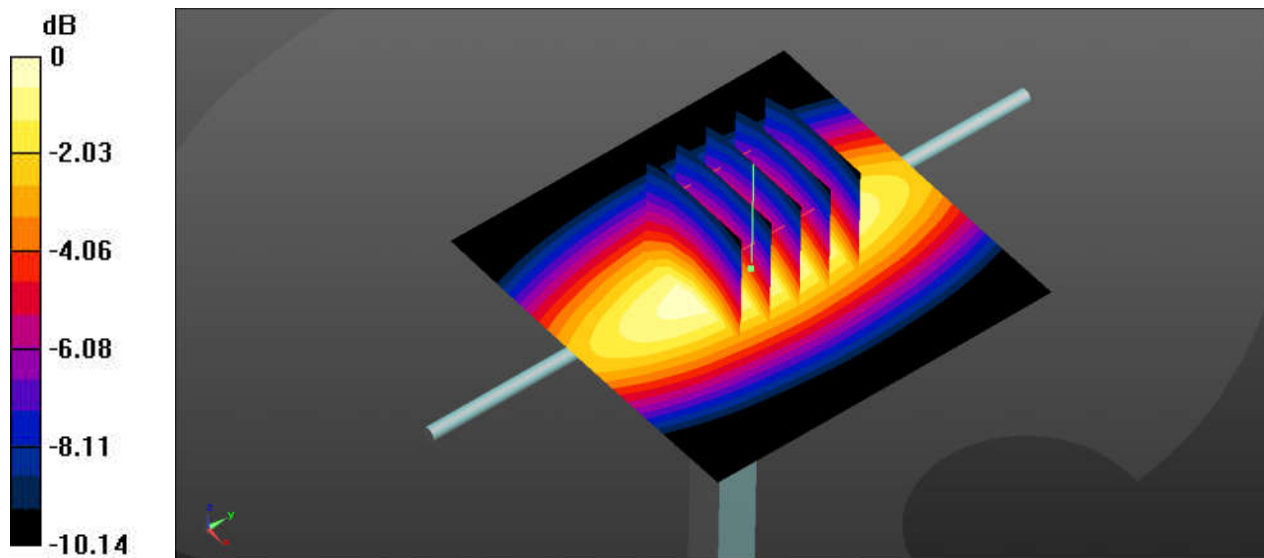
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.83 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg

System Check_750MHz

DUT: D750V3-SN:1099

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750_220408 Medium parameters used: $f = 750$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.52$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.45, 6.45, 6.45); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.87 W/kg

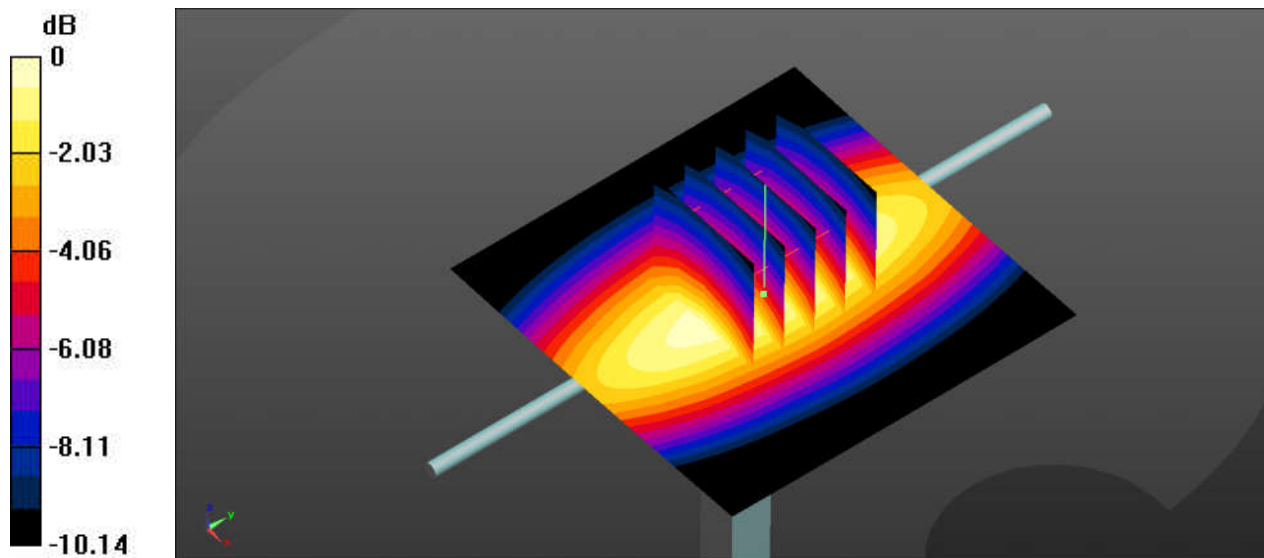
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.83 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg

System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220325 Medium parameters used: $f = 835$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 40.859$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.22, 6.22, 6.22); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.48 W/kg

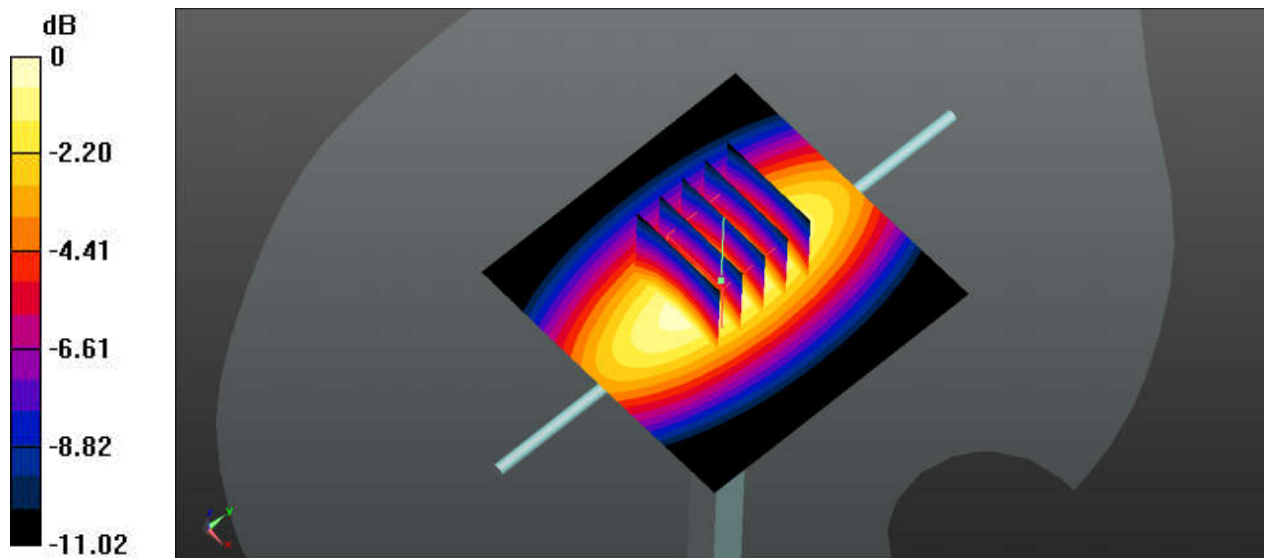
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.40 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.02 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg

Maximum value of SAR (measured) = 3.46 W/kg



0 dB = 3.46 W/kg

System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220326 Medium parameters used: $f = 835$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.721$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.22, 6.22, 6.22); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.51 W/kg

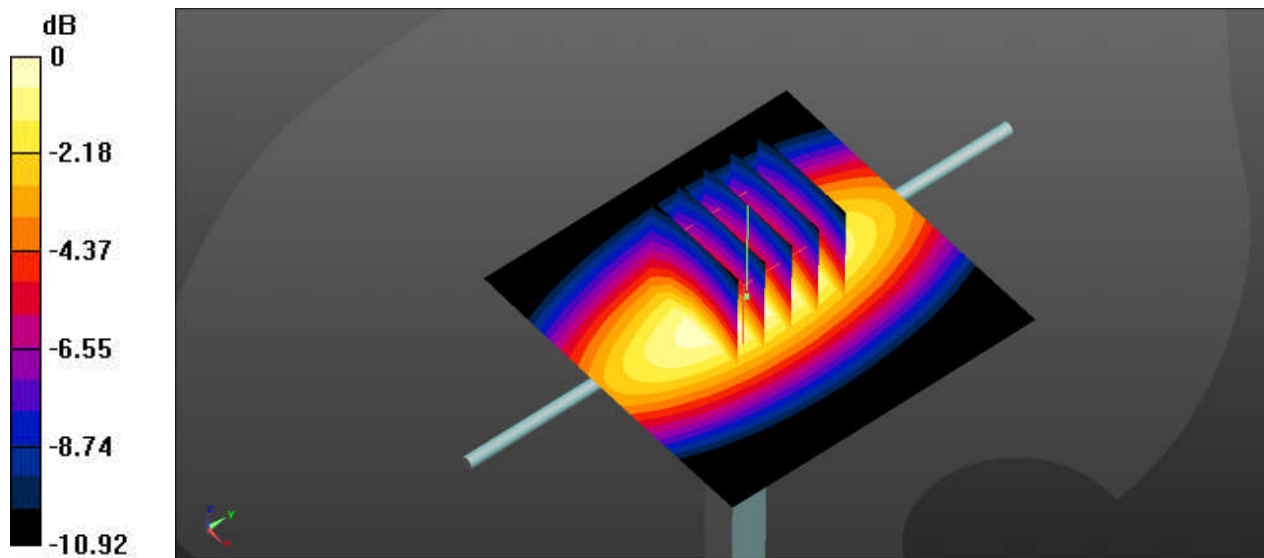
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.88 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.64 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.49 W/kg

System Check_835MHz

DUT: D835V2-SN:4d162

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_835_220409 Medium parameters used: $f = 835$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 42.221$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(6.22, 6.22, 6.22); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.51 W/kg

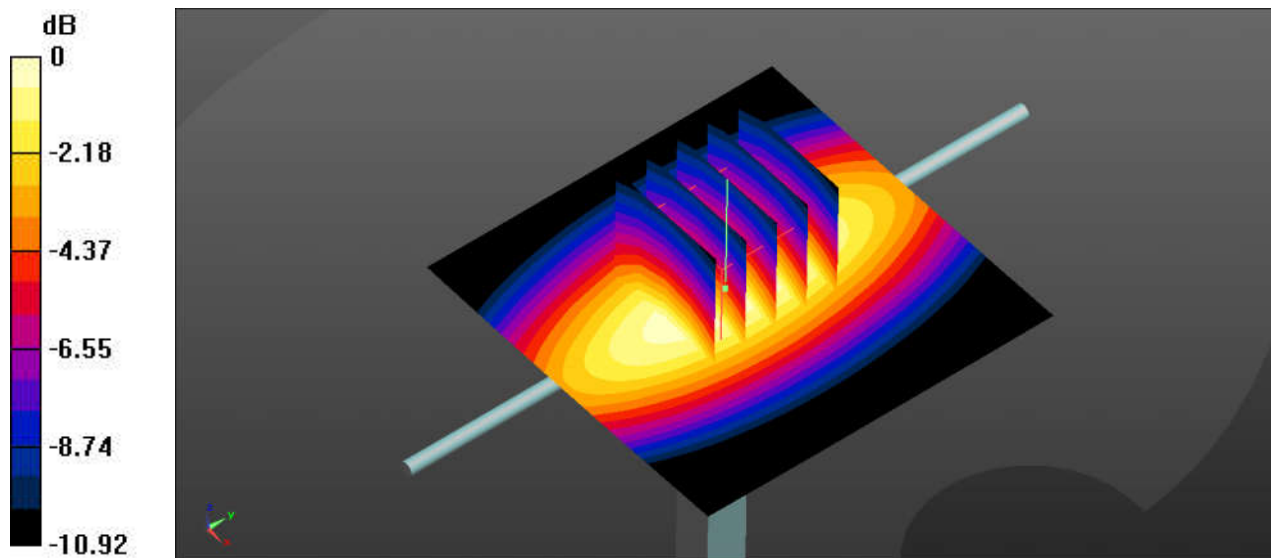
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.88 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.52 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.49 W/kg

System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220327 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 40.106$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.33, 5.33, 5.33); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.9 W/kg

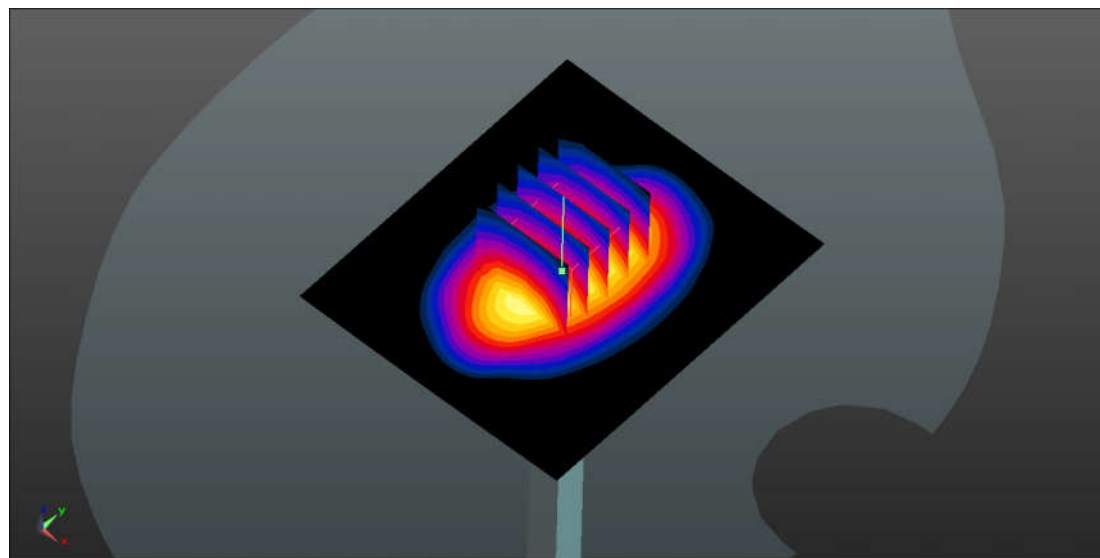
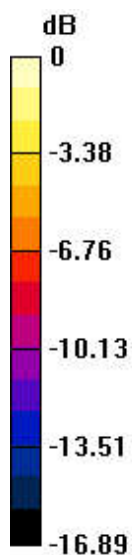
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 107.0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.84 W/kg; SAR(10 g) = 5.21 W/kg

Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 15.9 W/kg

System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220328 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 40.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.33, 5.33, 5.33); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.4 W/kg

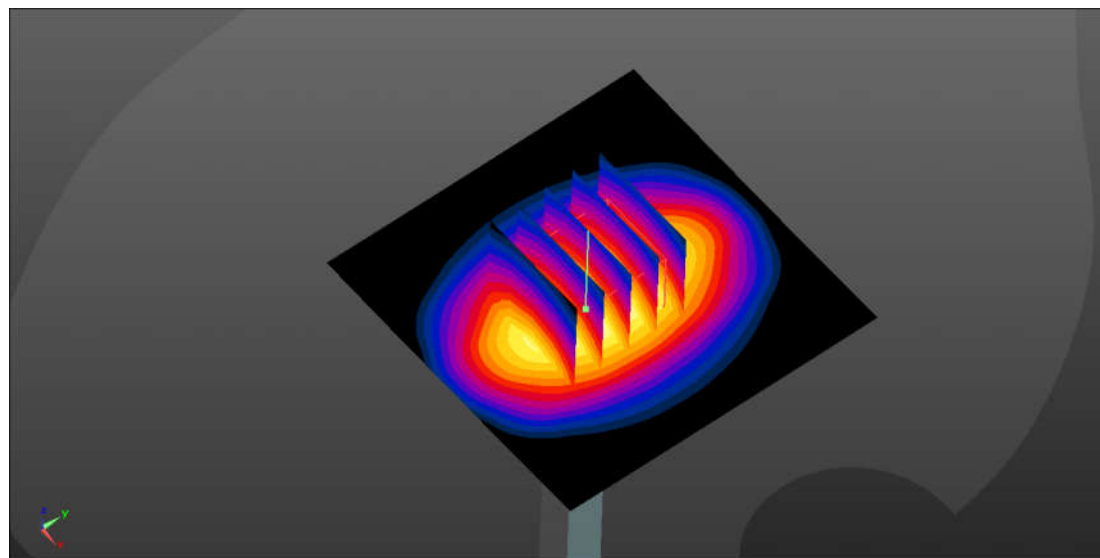
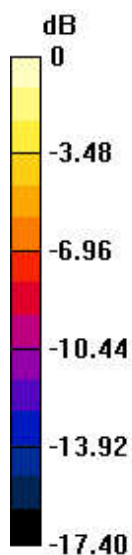
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.59 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 8.58 W/kg; SAR(10 g) = 4.62 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg

System Check_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_220410 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 40.226$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.33, 5.33, 5.33); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.9 W/kg

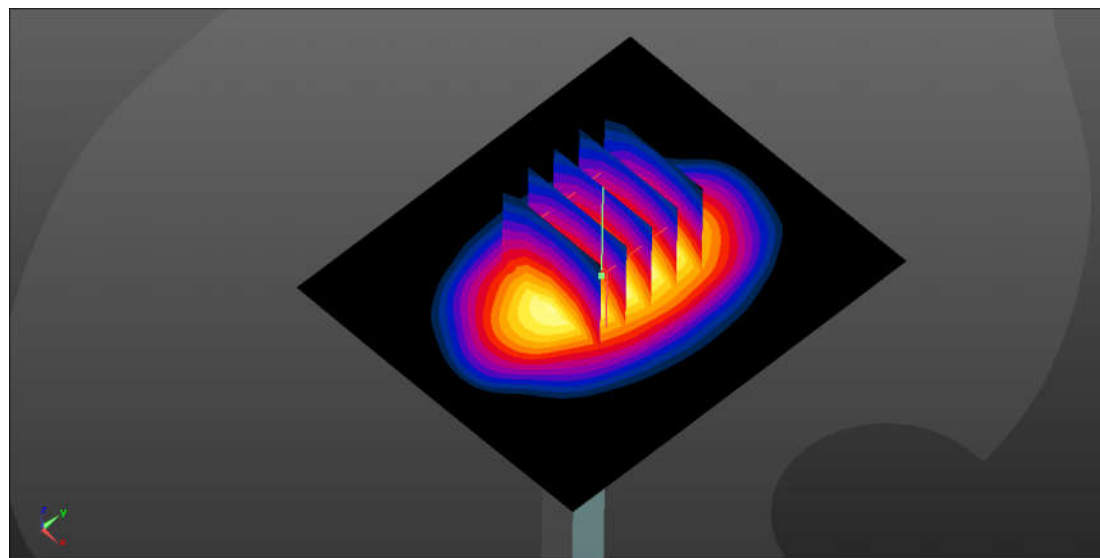
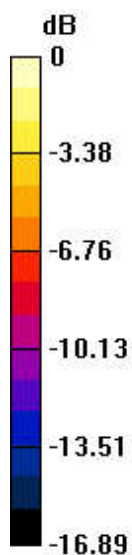
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 107.0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.68 W/kg; SAR(10 g) = 4.56 W/kg

Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg

System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220410 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 40.994$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.10, 5.10, 5.10); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 16.5 W/kg

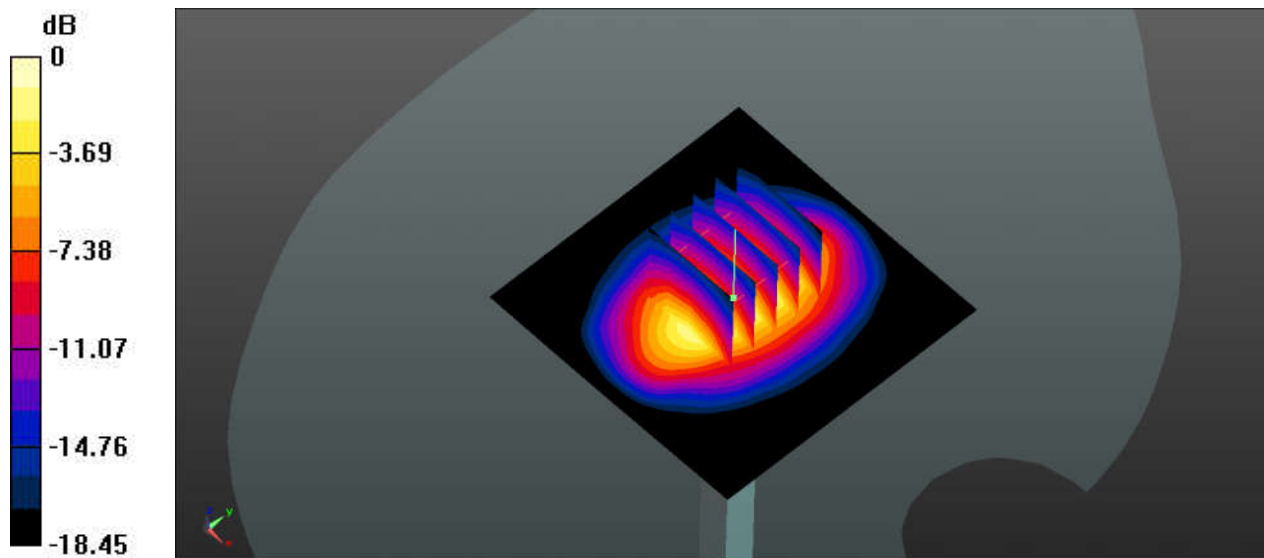
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.2 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.39 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



0 dB = 16.3 W/kg

System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220411 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.439$ S/m; $\epsilon_r = 40.038$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.10, 5.10, 5.10); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.3 W/kg

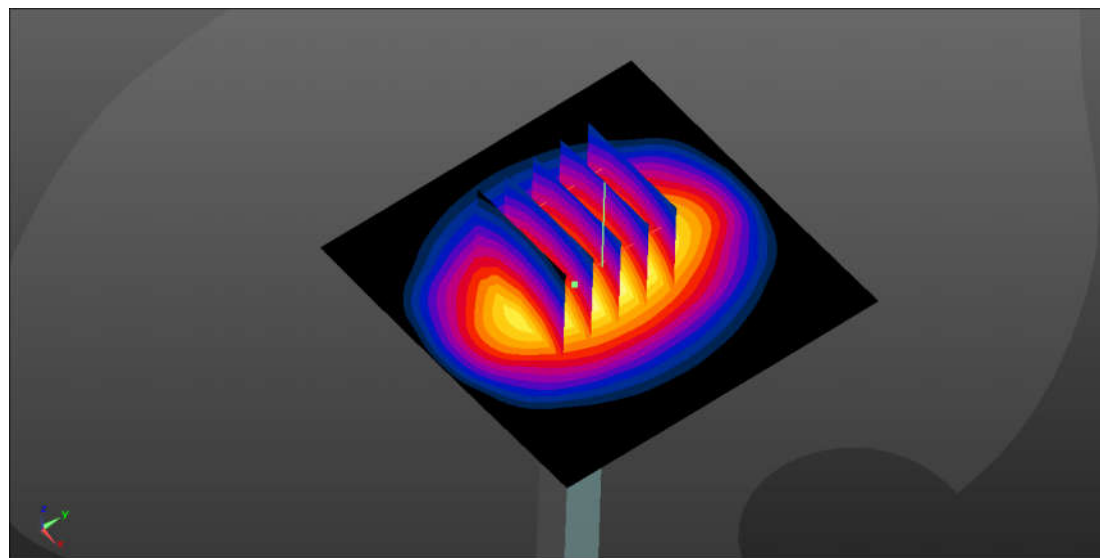
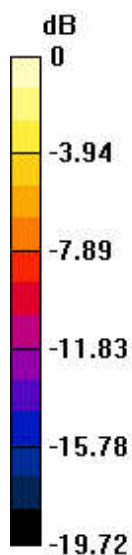
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.27 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10 W/kg; SAR(10 g) = 5.24 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg

System Check_1900MHz

DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220420 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.433$ S/m; $\epsilon_r = 40.818$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(5.10, 5.10, 5.10); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 16.5 W/kg

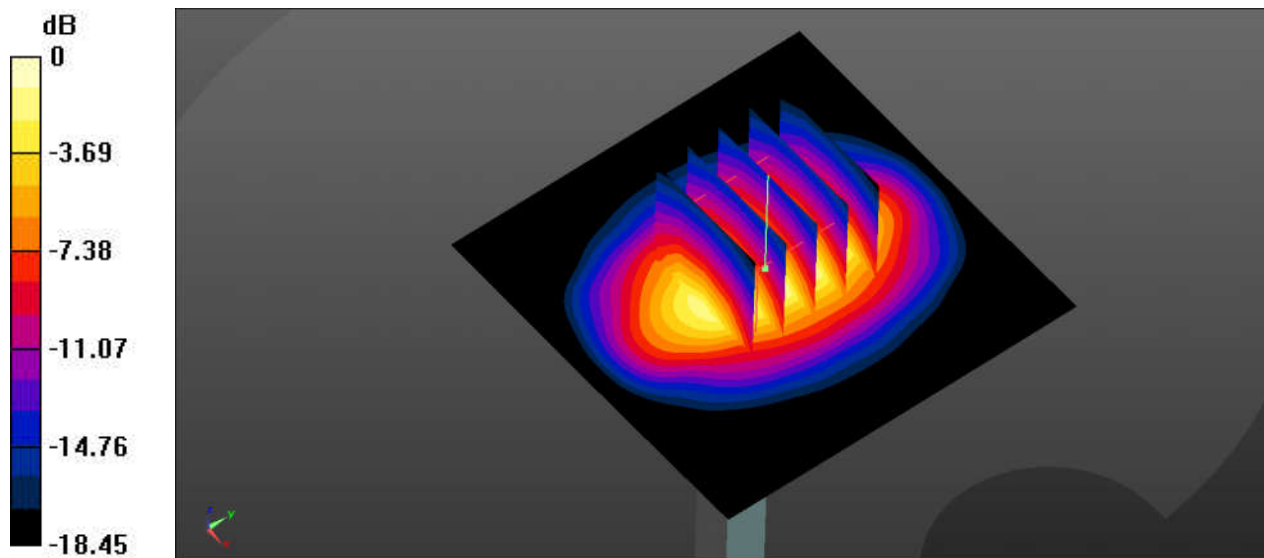
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.2 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg

System Check_2450MHz

DUT: D2450V2-SN:924

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450_220411 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.821$ S/m; $\epsilon_r = 37.95$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3282; ConvF(4.65, 4.65, 4.65); Calibrated: 2021/11/4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn 910; Calibrated: 2021/7/15
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 21.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 113.7 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 27.8 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.62 W/kg

Maximum value of SAR (measured) = 21.9 W/kg

