



FCC SAR Test Report

Report No. : FA190306

N7	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 3	DS10	Reduced	509000	2545	16.62	17.50	1.225	0.07	0.092	0.113
N7	50M	BPSK	270	0	DFT-15	Right Cheek	0mm	Ant 3	DS10	Reduced	509000	2545	16.46	17.50	1.271	0.17	0.621	0.789
N7	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 5	DS10	Reduced	509000	2545	16.96	17.50	1.132	0.14	0.764	0.865
N7	50M	BPSK	1	135	DFT-15	Right Tilted	0mm	Ant 5	DS10	Reduced	509000	2545	16.96	17.50	1.132	0.16	0.613	0.694
N7	50M	BPSK	1	135	DFT-15	Left Cheek	0mm	Ant 5	DS10	Reduced	509000	2545	16.96	17.50	1.132	0.09	0.426	0.482
N7	50M	BPSK	1	135	DFT-15	Left Tilted	0mm	Ant 5	DS10	Reduced	509000	2545	16.96	17.50	1.132	-0.13	0.452	0.512
N7	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 5	DSI-0	Reduced	505000	2525	16.91	17.50	1.146	0.14	0.779	0.892
N7	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 5	DSI-0	Reduced	507000	2535	16.89	17.50	1.151	0.02	0.769	0.885
N7	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 5	DS10	Reduced	509000	2545	16.94	17.50	1.138	0.05	0.811	0.923
N7	50M	BPSK	135	68	DFT-15	Right Tilted	0mm	Ant 5	DS10	Reduced	509000	2545	16.94	17.50	1.138	-0.03	0.497	0.565
N7	50M	BPSK	135	68	DFT-15	Left Cheek	0mm	Ant 5	DS10	Reduced	509000	2545	16.94	17.50	1.138	-0.18	0.345	0.392
N7	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 5	DS10	Reduced	509000	2545	16.94	17.50	1.138	0.09	0.367	0.418
N7	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 5	DSI-0	Reduced	505000	2525	16.87	17.50	1.156	0.06	0.795	0.919
N7	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 5	DSI-0	Reduced	507000	2535	16.88	17.50	1.153	0.05	0.751	0.866
N7	50M	BPSK	270	0	DFT-15	Right Cheek	0mm	Ant 5	DS10	Reduced	509000	2545	16.89	17.50	1.151	-0.02	0.598	0.688
N7_NSA	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 0	DSI 0	Full	509000	2545	23.77	24.50	1.183	-0.08	0.092	0.109
N7_NSA	50M	BPSK	1	135	DFT-15	Right Tilted	0mm	Ant 0	DSI 0	Full	509000	2545	23.77	24.50	1.183	-	n/a	n/a
N7_NSA	50M	BPSK	1	135	DFT-15	Left Cheek	0mm	Ant 0	DSI 0	Full	509000	2545	23.77	24.50	1.183	-	n/a	n/a
N7_NSA	50M	BPSK	1	135	DFT-15	Left Tilted	0mm	Ant 0	DSI 0	Full	509000	2545	23.77	24.50	1.183	-	n/a	n/a
N7_NSA	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 0	DSI 0	Full	509000	2545	23.76	24.50	1.186	-0.01	0.088	0.104
N7_NSA	50M	BPSK	135	68	DFT-15	Right Tilted	0mm	Ant 0	DSI 0	Full	509000	2545	23.76	24.50	1.186	-	n/a	n/a
N7_NSA	50M	BPSK	135	68	DFT-15	Left Cheek	0mm	Ant 0	DSI 0	Full	509000	2545	23.76	24.50	1.186	-	n/a	n/a
N7_NSA	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 0	DSI 0	Full	509000	2545	23.76	24.50	1.186	-	n/a	n/a
N7_NSA	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 1	DSI 0	Full	509000	2545	24.35	25.00	1.161	-0.04	0.154	0.179
N7_NSA	50M	BPSK	1	135	DFT-15	Right Tilted	0mm	Ant 1	DSI 0	Full	509000	2545	24.35	25.00	1.161	-0.17	0.106	0.123
N7_NSA	50M	BPSK	1	135	DFT-15	Left Cheek	0mm	Ant 1	DSI 0	Full	509000	2545	24.35	25.00	1.161	0.12	0.284	0.330
N7_NSA	50M	BPSK	1	135	DFT-15	Left Tilted	0mm	Ant 1	DSI 0	Full	509000	2545	24.35	25.00	1.161	0.09	0.119	0.138
N7_NSA	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 1	DSI 0	Full	509000	2545	24.18	25.00	1.208	-0.09	0.155	0.187
N7_NSA	50M	BPSK	135	68	DFT-15	Right Tilted	0mm	Ant 1	DSI 0	Full	509000	2545	24.18	25.00	1.208	-0.18	0.113	0.136
N7_NSA	50M	BPSK	135	68	DFT-15	Left Cheek	0mm	Ant 1	DSI 0	Full	509000	2545	24.18	25.00	1.208	-0.08	0.283	0.342
N7_NSA	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 1	DSI 0	Full	509000	2545	24.18	25.00	1.208	0.03	0.123	0.149
N7_NSA	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.75	14.50	1.189	-0.04	0.481	0.572
N7_NSA	50M	BPSK	1	135	DFT-15	Right Tilted	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.75	14.50	1.189	0.11	0.106	0.126
N7_NSA	50M	BPSK	1	135	DFT-15	Left Cheek	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.75	14.50	1.189	-0.18	0.126	0.150
N7_NSA	50M	BPSK	1	135	DFT-15	Left Tilted	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.75	14.50	1.189	0.11	0.048	0.057
N7_NSA	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.68	14.50	1.208	-0.05	0.323	0.390
N7_NSA	50M	BPSK	135	68	DFT-15	Right Tilted	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.68	14.50	1.208	0.18	0.099	0.120
N7_NSA	50M	BPSK	135	68	DFT-15	Left Cheek	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.68	14.50	1.208	-0.05	0.122	0.147
N7_NSA	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 3	DSI 0	Reduced	509000	2545	13.68	14.50	1.208	-0.02	0.042	0.051
N7_NSA	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.55	15.50	1.245	0.01	0.343	0.427
N7_NSA	50M	BPSK	1	135	DFT-15	Right Tilted	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.55	15.50	1.245	-0.05	0.285	0.355
N7_NSA	50M	BPSK	1	135	DFT-15	Left Cheek	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.55	15.50	1.245	0.06	0.183	0.228
N7_NSA	50M	BPSK	1	135	DFT-15	Left Tilted	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.55	15.50	1.245	0.04	0.197	0.245
N7_NSA	50M	BPSK	135	68	DFT-15	Right Cheek	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.54	15.50	1.247	0.18	0.487	0.607
N7_NSA	50M	BPSK	135	68	DFT-15	Right Tilted	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.54	15.50	1.247	0.09	0.295	0.368
N7_NSA	50M	BPSK	135	68	DFT-15	Left Cheek	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.54	15.50	1.247	0.15	0.199	0.248
N7_NSA	50M	BPSK	135	68	DFT-15	Left Tilted	0mm	Ant 5	DSI 0	Reduced	509000	2545	14.54	15.50	1.247	0.13	0.207	0.258
N38	40M	BPSK	1	53	DFT-30	Right Cheek	0mm	Ant 0	DSI0	Full	519000	2595	24.84	25.50	1.164	-0.1	0.091	0.106
N38	40M	BPSK	1	53	DFT-30	Right Tilted	0mm	Ant 0	DSI0	Full	519000	2595	24.84	25.50	1.164	0.16	0.034	0.040
N38	40M	BPSK	1	53	DFT-30	Left Cheek	0mm	Ant 0	DSI0	Full	519000	2595	24.84	25.50	1.164	0.05	0.061	0.071
N38	40M	BPSK	1	53	DFT-30	Left Tilted	0mm	Ant 0	DSI0	Full	519000	2595	24.84	25.50	1.164	0.01	0.040	0.047
N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 0	DSI0	Full	519000	2595	24.82	25.50	1.169	-0.07	0.089	0.104
N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 0	DSI0	Full	519000	2595	24.82	25.50	1.169	-0.13	0.031	0.036
N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 0	DSI0	Full	519000	2595	24.82	25.50	1.169	-0.18	0.059	0.069
N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 0	DSI0	Full	519000	2595	24.82	25.50	1.169	-0.17	0.039	0.046
N38	40M	BPSK	1	53	DFT-30	Right Cheek	0mm	Ant 1	DSI0	Full	519000	2595	25.13	25.50	1.089	-0.03	0.222	0.242



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	N38	40M	BPSK	1	53	DFT-30	Right Tilted	0mm	Ant 1	DS10	Full	519000	2595	25.13	25.50	1.089	-0.12	0.154	0.168
	N38	40M	BPSK	1	53	DFT-30	Left Cheek	0mm	Ant 1	DS10	Full	519000	2595	25.13	25.50	1.089	-0.13	0.344	0.375
	N38	40M	BPSK	1	53	DFT-30	Left Tilted	0mm	Ant 1	DS10	Full	519000	2595	25.13	25.50	1.089	-0.02	0.327	0.356
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 1	DS10	Full	519000	2595	24.69	25.50	1.205	-0.17	0.214	0.258
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 1	DS10	Full	519000	2595	24.69	25.50	1.205	0.15	0.135	0.163
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 1	DS10	Full	519000	2595	24.69	25.50	1.205	-0.01	0.272	0.328
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 1	DS10	Full	519000	2595	24.69	25.50	1.205	-0.1	0.148	0.178
	N38	40M	BPSK	1	53	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	519000	2595	16.57	17.50	1.239	0.02	0.762	0.944
	N38	40M	BPSK	1	53	DFT-30	Right Tilted	0mm	Ant 3	DS10	Reduced	519000	2595	16.57	17.50	1.239	-0.03	0.269	0.333
	N38	40M	BPSK	1	53	DFT-30	Left Cheek	0mm	Ant 3	DS10	Reduced	519000	2595	16.57	17.50	1.239	0.01	0.213	0.264
	N38	40M	BPSK	1	53	DFT-30	Left Tilted	0mm	Ant 3	DS10	Reduced	519000	2595	16.57	17.50	1.239	-0.08	0.088	0.109
20	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	519000	2595	16.56	17.50	1.242	0.09	0.836	1.038
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 3	DS10	Reduced	519000	2595	16.56	17.50	1.242	-0.19	0.272	0.338
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 3	DS10	Reduced	519000	2595	16.56	17.50	1.242	-0.03	0.218	0.271
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 3	DS10	Reduced	519000	2595	16.56	17.50	1.242	0.16	0.102	0.127
	N38	40M	BPSK	100	0	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	519000	2595	16.43	17.50	1.279	-0.01	0.583	0.746
	N38	40M	BPSK	1	53	DFT-30	Right Cheek	0mm	Ant 5	DS10	Reduced	519000	2595	17.15	18.00	1.216	0.08	0.634	0.771
	N38	40M	BPSK	1	53	DFT-30	Right Tilted	0mm	Ant 5	DS10	Reduced	519000	2595	17.15	18.00	1.216	-0.06	0.563	0.685
	N38	40M	BPSK	1	53	DFT-30	Left Cheek	0mm	Ant 5	DS10	Reduced	519000	2595	17.15	18.00	1.216	-0.03	0.307	0.373
	N38	40M	BPSK	1	53	DFT-30	Left Tilted	0mm	Ant 5	DS10	Reduced	519000	2595	17.15	18.00	1.216	0.11	0.364	0.443
	N38	40M	BPSK	50	28	DFT-30	Right Cheek	0mm	Ant 5	DS10	Reduced	519000	2595	17.12	18.00	1.225	0.09	0.564	0.691
	N38	40M	BPSK	50	28	DFT-30	Right Tilted	0mm	Ant 5	DS10	Reduced	519000	2595	17.12	18.00	1.225	0.11	0.459	0.562
	N38	40M	BPSK	50	28	DFT-30	Left Cheek	0mm	Ant 5	DS10	Reduced	519000	2595	17.12	18.00	1.225	0.05	0.357	0.437
	N38	40M	BPSK	50	28	DFT-30	Left Tilted	0mm	Ant 5	DS10	Reduced	519000	2595	17.12	18.00	1.225	-0.06	0.375	0.459
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 0	DS10	Full	518598	2592.99	25.06	25.50	1.107	0.18	0.119	0.132
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 0	DS10	Full	518598	2592.99	25.06	25.50	1.107	-	n/a	n/a
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 0	DS10	Full	518598	2592.99	25.06	25.50	1.107	-0.1	0.056	0.062
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 0	DS10	Full	518598	2592.99	25.06	25.50	1.107	-	n/a	n/a
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 0	DS10	Full	518598	2592.99	25.03	25.50	1.114	-0.04	0.124	0.138
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 0	DS10	Full	518598	2592.99	25.03	25.50	1.114	-	n/a	n/a
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 0	DS10	Full	518598	2592.99	25.03	25.50	1.114	0.15	0.060	0.067
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 0	DS10	Full	518598	2592.99	25.03	25.50	1.114	-	n/a	n/a
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 1	DS10	Full	518598	2592.99	24.99	25.50	1.125	-0.11	0.176	0.198
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 1	DS10	Full	518598	2592.99	24.99	25.50	1.125	-0.06	0.123	0.138
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DS10	Full	518598	2592.99	24.99	25.50	1.125	-0.02	0.308	0.346
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 1	DS10	Full	518598	2592.99	24.99	25.50	1.125	0.04	0.115	0.129
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 1	DS10	Full	518598	2592.99	24.97	25.50	1.130	-0.13	0.202	0.228
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 1	DS10	Full	518598	2592.99	24.97	25.50	1.130	-0.15	0.140	0.158
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 1	DS10	Full	518598	2592.99	24.97	25.50	1.130	0.17	0.313	0.354
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 1	DS10	Full	518598	2592.99	24.97	25.50	1.130	0.07	0.137	0.155
21	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.69	17.50	1.205	-0.04	0.902	1.087
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.69	17.50	1.205	-0.07	0.181	0.218
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.69	17.50	1.205	0.11	0.193	0.233
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.69	17.50	1.205	0.06	0.067	0.081
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.65	17.50	1.216	-0.06	0.804	0.978
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.65	17.50	1.216	0.15	0.194	0.236
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.65	17.50	1.216	0.09	0.206	0.251
	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.65	17.50	1.216	0.19	0.074	0.090
	N41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 3	DS10	Reduced	518598	2592.99	16.49	17.50	1.262	0.04	0.585	0.738
	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.26	18.00	1.186	0.16	0.838	0.994
	N41	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.26	18.00	1.186	-0.04	0.497	0.589
	N41	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.26	18.00	1.186	0.03	0.395	0.468
	N41	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.26	18.00	1.186	0.09	0.401	0.475
	N41	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.21	18.00	1.199	-0.01	0.841	1.009
	N41	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.21	18.00	1.199	-0.19	0.499	0.599
	N41	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.21	18.00	1.199	-0.17	0.388	0.465



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	N41	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 5	DS10	Reduced	518598	2592.99	17.21	18.00	1.199	0.05	0.398	0.477
	N41	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 5	DS10	Reduced	518598	2592.99	16.99	18.00	1.262	0.07	0.594	0.750
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	20.07	21.00	1.239	-0.18	0.509	0.631
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	20.07	21.00	1.239	-0.17	0.107	0.133
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	20.07	21.00	1.239	-0.07	0.369	0.457
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	20.07	21.00	1.239	-0.03	0.052	0.064
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.98	21.00	1.265	0.1	0.496	0.627
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.98	21.00	1.265	-0.05	0.114	0.144
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.98	21.00	1.265	0.17	0.383	0.484
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.98	21.00	1.265	-0.06	0.066	0.083
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.88	21.00	1.294	0.04	0.470	0.608
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	656000	3840	19.98	21.00	1.265	-0.15	0.839	1.061
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	656000	3840	19.98	21.00	1.265	-0.16	0.159	0.201
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	656000	3840	19.98	21.00	1.265	-0.1	0.452	0.572
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	656000	3840	19.98	21.00	1.265	-0.06	0.107	0.135
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	656000	3840	19.93	21.00	1.279	-0.04	0.754	0.965
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	656000	3840	19.93	21.00	1.279	0.06	0.161	0.206
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	656000	3840	19.93	21.00	1.279	0.02	0.448	0.573
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	656000	3840	19.93	21.00	1.279	-0.16	0.100	0.128
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	656000	3840	19.74	21.00	1.337	0.05	0.609	0.814
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	-0.08	0.342	0.427
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	0.15	0.725	0.904
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	-0.19	0.176	0.220
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	0.07	0.251	0.313
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.52	18.50	1.253	-0.15	0.349	0.437
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.52	18.50	1.253	0.05	0.781	0.979
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.52	18.50	1.253	-0.06	0.180	0.226
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.52	18.50	1.253	-0.06	0.239	0.300
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.33	18.50	1.309	0.04	0.620	0.812
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	656000	3840	17.39	18.50	1.291	0.08	0.229	0.296
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	656000	3840	17.39	18.50	1.291	0.1	0.294	0.380
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	656000	3840	17.39	18.50	1.291	0.01	0.073	0.094
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	656000	3840	17.39	18.50	1.291	-0.07	0.118	0.152
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	656000	3840	17.38	18.50	1.294	-0.04	0.230	0.298
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	656000	3840	17.38	18.50	1.294	0.12	0.257	0.333
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	656000	3840	17.38	18.50	1.294	-0.13	0.092	0.119
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	656000	3840	17.38	18.50	1.294	0.04	0.112	0.145
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.69	17.50	1.205	-0.18	0.558	0.672
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.69	17.50	1.205	0.12	0.637	0.768
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.69	17.50	1.205	0.15	0.433	0.522
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.69	17.50	1.205	-0.09	0.515	0.621
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.68	17.50	1.208	0.15	0.567	0.685
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.68	17.50	1.208	-0.17	0.646	0.780
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.68	17.50	1.208	0.01	0.448	0.541
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.68	17.50	1.208	0.01	0.542	0.655
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.55	17.50	1.245	0.05	0.538	0.670
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.55	17.50	1.245	-0.11	0.619	0.770
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	16.55	17.50	1.245	0.08	0.519	0.646
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	656000	3840	16.36	17.50	1.300	0.05	0.455	0.592
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	656000	3840	16.36	17.50	1.300	-0.13	0.640	0.832
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	656000	3840	16.36	17.50	1.300	-0.04	0.397	0.516
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	656000	3840	16.36	17.50	1.300	0.03	0.445	0.579
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	656000	3840	16.31	17.50	1.315	-0.18	0.441	0.580
22	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	656000	3840	16.31	17.50	1.315	-0.09	0.815	1.072
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	656000	3840	16.31	17.50	1.315	-0.03	0.402	0.529
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	656000	3840	16.31	17.50	1.315	-0.09	0.434	0.571



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	N77_Part 27O	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	656000	3840	16.15	17.50	1.365	-0.17	0.581	0.793
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	23.08	24.50	1.387	0.04	0.204	0.283
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	23.08	24.50	1.387	0.18	0.148	0.205
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	23.08	24.50	1.387	0.07	0.078	0.108
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	23.08	24.50	1.387	0.13	0.105	0.146
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	23.05	24.50	1.396	0.02	0.232	0.324
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	23.05	24.50	1.396	-0.17	0.146	0.204
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	23.05	24.50	1.396	0.13	0.092	0.128
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	23.05	24.50	1.396	0.19	0.087	0.121
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	656000	3840	23.67	24.50	1.211	-0.01	0.196	0.237
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	656000	3840	23.67	24.50	1.211	0.14	0.147	0.178
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	656000	3840	23.67	24.50	1.211	0.15	0.150	0.182
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	656000	3840	23.67	24.50	1.211	0.07	0.146	0.177
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	656000	3840	23.65	24.50	1.216	0.05	0.195	0.237
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	656000	3840	23.65	24.50	1.216	0.02	0.149	0.181
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	656000	3840	23.65	24.50	1.216	0.11	0.161	0.196
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	656000	3840	23.65	24.50	1.216	-0.16	0.134	0.163
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.90	21.00	1.288	0.15	0.414	0.533
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.90	21.00	1.288	-0.13	0.102	0.131
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.90	21.00	1.288	0.18	0.351	0.452
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.90	21.00	1.288	0.13	0.090	0.116
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.88	21.00	1.294	-0.13	0.453	0.586
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.88	21.00	1.294	-0.13	0.105	0.136
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.88	21.00	1.294	-0.12	0.333	0.431
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	19.88	21.00	1.294	0.07	0.095	0.123
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.98	21.00	1.265	-0.02	0.611	0.773
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	19.98	21.00	1.265	0.17	0.171	0.216
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.98	21.00	1.265	-0.01	0.424	0.536
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	19.98	21.00	1.265	-0.05	0.091	0.115
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.91	21.00	1.285	-0.01	0.641	0.824
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	19.91	21.00	1.285	-0.12	0.196	0.252
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.91	21.00	1.285	0.02	0.475	0.611
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	19.91	21.00	1.285	0.18	0.101	0.130
	N78_Part 27O	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.85	21.00	1.303	0.11	0.612	0.798
	N78_Part 27O	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	19.85	21.00	1.303	-0.17	0.443	0.577
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.98	19.00	1.265	-0.08	0.646	0.817
23	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.98	19.00	1.265	0.11	0.862	1.090
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.98	19.00	1.265	0.08	0.311	0.393
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.98	19.00	1.265	0.18	0.419	0.530
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.96	19.00	1.271	-0.09	0.650	0.826
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.96	19.00	1.271	0.03	0.738	0.938
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.96	19.00	1.271	0.14	0.335	0.426
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.96	19.00	1.271	0.13	0.436	0.554
	N78_Part 27Q	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.78	19.00	1.324	0.03	0.662	0.877
	N78_Part 27Q	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	17.78	19.00	1.324	0.18	0.733	0.971
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	650000	3750	18.27	19.00	1.183	0.17	0.399	0.472
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	650000	3750	18.27	19.00	1.183	0.04	0.501	0.593
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	650000	3750	18.27	19.00	1.183	-0.05	0.149	0.176
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	650000	3750	18.27	19.00	1.183	0.15	0.199	0.235
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	650000	3750	18.23	19.00	1.194	0.04	0.409	0.488
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	650000	3750	18.23	19.00	1.194	-0.15	0.453	0.541
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	650000	3750	18.23	19.00	1.194	-0.15	0.152	0.181
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DS10	Reduced	650000	3750	18.23	19.00	1.194	0.03	0.204	0.244
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.58	18.50	1.236	-0.1	0.615	0.760
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.58	18.50	1.236	0.18	0.714	0.882
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.58	18.50	1.236	-0.17	0.478	0.591



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N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.58	18.50	1.236	-0.1	0.595	0.735
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	-0.05	0.615	0.767
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	0.06	0.731	0.912
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	-0.03	0.502	0.626
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.54	18.50	1.247	0.19	0.598	0.746
N78_Part 27Q	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.19	18.50	1.352	0.03	0.521	0.704
N78_Part 27Q	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.19	18.50	1.352	-0.18	0.624	0.844
N78_Part 27Q	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.19	18.50	1.352	0.01	0.426	0.576
N78_Part 27Q	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	633334	3500.01	17.19	18.50	1.352	0.15	0.517	0.699
N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.72	18.50	1.197	0.19	0.642	0.768
N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.72	18.50	1.197	-0.05	0.786	0.941
N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.72	18.50	1.197	-0.16	0.503	0.602
N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.72	18.50	1.197	-0.15	0.623	0.746
N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.71	18.50	1.199	-0.07	0.669	0.802
N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.71	18.50	1.199	-0.13	0.860	1.032
N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.71	18.50	1.199	0.17	0.527	0.632
N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.71	18.50	1.199	-0.07	0.664	0.796
N78_Part 27O	100M	BPSK	270	0	DFT-30	Right Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.29	18.50	1.321	0.11	0.618	0.817
N78_Part 27O	100M	BPSK	270	0	DFT-30	Right Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.29	18.50	1.321	0.13	0.769	1.016
N78_Part 27O	100M	BPSK	270	0	DFT-30	Left Cheek	0mm	Ant 6	DS10	Reduced	650000	3750	17.29	18.50	1.321	0.03	0.481	0.636
N78_Part 27O	100M	BPSK	270	0	DFT-30	Left Tilted	0mm	Ant 6	DS10	Reduced	650000	3750	17.29	18.50	1.321	-0.05	0.612	0.809
N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	22.91	24.00	1.285	0.1	0.191	0.245
N78_Part 27Q	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	22.91	24.00	1.285	-0.02	0.146	0.188
N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	22.91	24.00	1.285	-0.16	0.079	0.102
N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	22.91	24.00	1.285	-0.15	0.081	0.104
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	22.87	24.00	1.297	0.09	0.217	0.281
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	22.87	24.00	1.297	0.18	0.157	0.204
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	633334	3500.01	22.87	24.00	1.297	0.11	0.082	0.106
N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	633334	3500.01	22.87	24.00	1.297	-0.14	0.085	0.110
N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	650000	3750	23.14	24.00	1.219	-0.17	0.236	0.288
N78_Part 27O	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	650000	3750	23.14	24.00	1.219	-0.18	0.223	0.272
N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	650000	3750	23.14	24.00	1.219	0.11	0.170	0.207
N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	650000	3750	23.14	24.00	1.219	0.09	0.121	0.147
N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DS10	Full	650000	3750	23.10	24.00	1.230	0.15	0.233	0.287
N78_Part 27O	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DS10	Full	650000	3750	23.10	24.00	1.230	-0.02	0.221	0.272
N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DS10	Full	650000	3750	23.10	24.00	1.230	0.16	0.169	0.208
N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DS10	Full	650000	3750	23.10	24.00	1.230	0.01	0.101	0.124
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.09	19.00	1.233	-0.02	0.447	0.551
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.09	19.00	1.233	-0.07	0.086	0.106
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.09	19.00	1.233	-0.01	0.275	0.339
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.09	19.00	1.233	-0.04	0.067	0.083
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.08	19.00	1.236	-0.16	0.321	0.397
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.08	19.00	1.236	0.18	0.067	0.083
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.08	19.00	1.236	-0.05	0.226	0.279
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	633334	3500.01	18.08	19.00	1.236	-0.05	0.040	0.049
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	18.36	19.00	1.159	0.15	0.426	0.494
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	18.36	19.00	1.159	-0.13	0.105	0.122
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	18.36	19.00	1.159	-0.14	0.324	0.375
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	18.36	19.00	1.159	0.15	0.060	0.070
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	18.34	19.00	1.164	0.08	0.463	0.539
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	18.34	19.00	1.164	-0.13	0.111	0.129
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS10	Reduced	650000	3750	18.34	19.00	1.164	0.01	0.311	0.362
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS10	Reduced	650000	3750	18.34	19.00	1.164	0.19	0.055	0.064
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	15.48	16.50	1.265	0.18	0.376	0.476
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DS10	Reduced	633334	3500.01	15.48	16.50	1.265	0.08	0.450	0.569
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DS10	Reduced	633334	3500.01	15.48	16.50	1.265	-0.07	0.189	0.239

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FCC SAR Test Report

Report No. : FA190306

N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI 0	Reduced	633334	3500.01	15.48	16.50	1.265	0.08	0.237	0.300
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 0	Reduced	633334	3500.01	15.46	16.50	1.271	-0.13	0.309	0.393
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 0	Reduced	633334	3500.01	15.46	16.50	1.271	-0.08	0.472	0.600
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 0	Reduced	633334	3500.01	15.46	16.50	1.271	-0.07	0.188	0.239
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 0	Reduced	633334	3500.01	15.46	16.50	1.271	-0.03	0.218	0.277
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.67	16.50	1.211	0.05	0.300	0.363
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.67	16.50	1.211	0.16	0.343	0.415
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.67	16.50	1.211	0.09	0.178	0.215
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.67	16.50	1.211	0.01	0.208	0.252
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.61	16.50	1.227	-0.17	0.310	0.381
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.61	16.50	1.227	-0.17	0.460	0.565
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.61	16.50	1.227	-0.02	0.189	0.232
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DSI 0	Reduced	650000	3750	15.61	16.50	1.227	-0.15	0.224	0.275
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.16	16.00	1.213	-0.14	0.323	0.392
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.16	16.00	1.213	0.09	0.369	0.448
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.16	16.00	1.213	-0.02	0.286	0.347
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.16	16.00	1.213	0.01	0.332	0.403
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.15	16.00	1.216	-0.05	0.338	0.411
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.15	16.00	1.216	0.18	0.450	0.547
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.15	16.00	1.216	-0.02	0.277	0.337
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 0	Reduced	633334	3500.01	15.15	16.00	1.216	-0.01	0.323	0.393
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.26	16.00	1.186	0.09	0.305	0.362
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.26	16.00	1.186	0.09	0.348	0.413
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.26	16.00	1.186	0.04	0.227	0.269
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.26	16.00	1.186	-0.03	0.210	0.249
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.24	16.00	1.191	0.09	0.361	0.430
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.24	16.00	1.191	-0.14	0.449	0.535
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.24	16.00	1.191	0.18	0.300	0.357
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 6	DSI 0	Reduced	650000	3750	15.24	16.00	1.191	0.04	0.359	0.428
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.91	24.00	1.285	0.1	0.191	0.245
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.91	24.00	1.285	-0.02	0.146	0.188
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.91	24.00	1.285	-0.16	0.079	0.102
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.91	24.00	1.285	-0.15	0.081	0.104
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.87	24.00	1.297	0.09	0.217	0.281
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.87	24.00	1.297	0.18	0.157	0.204
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.87	24.00	1.297	0.11	0.082	0.106
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DSI 0	Full	633334	3500.01	22.87	24.00	1.297	-0.14	0.085	0.110
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 11	DSI 0	Full	650000	3750	23.14	24.00	1.219	-0.17	0.236	0.288
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Right Tilted	0mm	Ant 11	DSI 0	Full	650000	3750	23.14	24.00	1.219	-0.18	0.223	0.272
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Cheek	0mm	Ant 11	DSI 0	Full	650000	3750	23.14	24.00	1.219	0.11	0.170	0.207
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Tilted	0mm	Ant 11	DSI 0	Full	650000	3750	23.14	24.00	1.219	0.09	0.121	0.147
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Cheek	0mm	Ant 11	DSI 0	Full	650000	3750	23.10	24.00	1.230	0.15	0.233	0.287
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Right Tilted	0mm	Ant 11	DSI 0	Full	650000	3750	23.10	24.00	1.230	-0.02	0.221	0.272
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Cheek	0mm	Ant 11	DSI 0	Full	650000	3750	23.10	24.00	1.230	0.16	0.169	0.208
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Tilted	0mm	Ant 11	DSI 0	Full	650000	3750	23.10	24.00	1.230	0.01	0.101	0.124



<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	-0.06	0.175	0.221
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	-0.05	0.210	0.265
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	-0.01	0.683	0.863
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	0.05	0.448	0.566
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Full	11	2462	16.40	17.50	1.288	99.6	1.004	-0.18	0.438	0.567
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Simultaneous	11	2462	13.70	14.50	1.202	99.6	1.004	-0.02	0.124	0.150
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Simultaneous	11	2462	13.70	14.50	1.202	99.6	1.004	0.05	0.103	0.124
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Simultaneous	11	2462	13.70	14.50	1.202	99.6	1.004	-0.15	0.258	0.311
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Simultaneous	11	2462	13.70	14.50	1.202	99.6	1.004	0.04	0.221	0.267
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	-0.05	0.182	0.225
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	0.09	0.061	0.075
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	0.18	0.675	0.834
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	-0.19	0.177	0.219
24	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 9	Full	1	2412	16.80	18.00	1.318	99.6	1.004	-0.05	0.694	0.919
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 9	Simultaneous	1	2412	14.04	15.00	1.247	99.6	1.004	0.02	0.091	0.114
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 9	Simultaneous	1	2412	14.04	15.00	1.247	99.6	1.004	0.07	0.030	0.038
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 9	Simultaneous	1	2412	14.04	15.00	1.247	99.6	1.004	0.05	0.311	0.389
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 9	Simultaneous	1	2412	14.04	15.00	1.247	99.6	1.004	0.13	0.088	0.110

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 8	Standalone	54	5270	12.20	13.50	1.349	100	1.000	-0.04	0.215	0.290
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 8	Standalone	54	5270	12.20	13.50	1.349	100	1.000	0.03	0.200	0.270
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8	Standalone	54	5270	12.20	13.50	1.349	100	1.000	-0.08	0.495	0.668
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8	Standalone	54	5270	12.20	13.50	1.349	100	1.000	0.07	0.355	0.479
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	Simultaneous	58	5290	6.50	8.00	1.413	88.4	1.131	0.13	0.136	0.217
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 9	Standalone	54	5270	12.80	14.50	1.479	100	1.000	-0.03	0.048	0.071
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 9	Standalone	54	5270	12.80	14.50	1.479	100	1.000	-0.07	0.049	0.072
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 9	Standalone	54	5270	12.80	14.50	1.479	100	1.000	-0.06	0.150	0.222
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 9	Standalone	54	5270	12.80	14.50	1.479	100	1.000	0.03	0.116	0.172
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 9	Simultaneous	58	5290	7.00	8.50	1.413	88.4	1.131	-0.06	0.036	0.058
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 8+9	Standalone	54	5270	15.52	17.00	1.406	100	1.000	0.16	0.269	0.378
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 8+9	Standalone	54	5270	15.52	17.00	1.406	100	1.000	-0.12	0.246	0.346
25	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8+9	Standalone	54	5270	15.52	17.00	1.406	100	1.000	0.06	0.756	1.063
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8+9	Standalone	54	5270	15.52	17.00	1.406	100	1.000	-0.09	0.506	0.711
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8+9	Standalone	62	5310	15.42	17.00	1.439	100	1.000	-0.05	0.725	1.043
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Simultaneous	58	5290	9.77	11.50	1.489	88.4	1.131	0.18	0.149	0.251
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 8	Standalone	122	5610	11.20	12.50	1.349	88.4	1.131	0.02	0.175	0.267
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 8	Standalone	122	5610	11.20	12.50	1.349	88.4	1.131	0.17	0.171	0.261
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	Standalone	122	5610	11.20	12.50	1.349	88.4	1.131	-0.17	0.364	0.555
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 8	Standalone	122	5610	11.20	12.50	1.349	88.4	1.131	-0.18	0.286	0.436
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	Simultaneous	122	5610	6.70	7.50	1.202	88.4	1.131	0.14	0.133	0.181
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 9	Standalone	122	5610	10.80	12.50	1.479	88.4	1.131	-0.06	0.060	0.100
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 9	Standalone	122	5610	10.80	12.50	1.479	88.4	1.131	0.1	0.059	0.099
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 9	Standalone	122	5610	10.80	12.50	1.479	88.4	1.131	0.19	0.103	0.172
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 9	Standalone	122	5610	10.80	12.50	1.479	88.4	1.131	-0.09	0.209	0.350
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 9	Simultaneous	106	5530	6.20	7.50	1.349	88.4	1.131	-0.13	0.026	0.040
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 8+9	Standalone	122	5610	14.01	15.00	1.256	88.4	1.131	0.09	0.251	0.357
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 8+9	Standalone	122	5610	14.01	15.00	1.256	88.4	1.131	0.13	0.241	0.342
26	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Standalone	122	5610	14.01	15.00	1.256	88.4	1.131	-0.16	0.644	0.915
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 8+9	Standalone	122	5610	14.01	15.00	1.256	88.4	1.131	-0.1	0.523	0.743



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	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Standalone	106	5530	13.97	15.00	1.268	88.4	1.131	0.03	0.610	0.875
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Simultaneous	106	5530	9.47	10.50	1.268	88.4	1.131	-0.09	0.154	0.221
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 8	Standalone	155	5775	11.50	13.00	1.413	88.3	1.133	0.08	0.153	0.245
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 8	Standalone	155	5775	11.50	13.00	1.413	88.3	1.133	-0.04	0.151	0.242
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	Standalone	155	5775	11.50	13.00	1.413	88.3	1.133	-0.05	0.358	0.573
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 8	Standalone	155	5775	11.50	13.00	1.413	88.3	1.133	-0.05	0.284	0.455
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8	Simultaneous	155	5775	6.30	8.00	1.479	88.3	1.133	-0.17	0.137	0.230
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 9	Standalone	155	5775	11.90	13.50	1.445	88.3	1.133	-0.01	0.075	0.123
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 9	Standalone	155	5775	11.90	13.50	1.445	88.3	1.133	-0.04	0.062	0.102
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 9	Standalone	155	5775	11.90	13.50	1.445	88.3	1.133	0.17	0.138	0.226
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 9	Standalone	155	5775	11.90	13.50	1.445	88.3	1.133	0.19	0.099	0.162
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 9	Simultaneous	155	5775	6.70	8.00	1.349	88.3	1.133	-0.13	0.041	0.063
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 8+9	Standalone	155	5775	14.71	16.50	1.510	88.3	1.133	0.14	0.258	0.441
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 8+9	Standalone	155	5775	14.71	16.50	1.510	88.3	1.133	-0.05	0.253	0.433
27	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Standalone	155	5775	14.71	16.50	1.510	88.3	1.133	-0.09	0.612	1.047
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 8+9	Standalone	155	5775	14.71	16.50	1.510	88.3	1.133	-0.05	0.493	0.843
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+9	Simultaneous	155	5775	9.51	11.00	1.409	88.3	1.133	-0.17	0.149	0.238

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.06	0.095	0.142
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.04	0.106	0.159
28	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.04	0.225	0.337
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	-0.09	0.224	0.336
	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 8	Simultaneous	39	2441	7.60	8.00	1.096	76.45	1.308	0.04	0.083	0.119



15.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 4 TX slots	Front	10mm	Ant 0	DSI4	Full	251	848.8	26.02	27.50	1.406	-0.19	0.336	0.472
	GSM850	GPRS 4 TX slots	Back	10mm	Ant 0	DSI4	Full	251	848.8	26.02	27.50	1.406	0.02	0.412	0.579
	GSM850	GPRS 4 TX slots	Right Side	10mm	Ant 0	DSI4	Full	251	848.8	26.02	27.50	1.406	0.03	0.251	0.353
	GSM850	GPRS 4 TX slots	Bottom Side	10mm	Ant 0	DSI4	Full	251	848.8	26.02	27.50	1.406	-0.03	0.168	0.236
	GSM850	GPRS 4 TX slots	Front	10mm	Ant 2	DSI4	Reduced	251	848.8	22.83	24.00	1.309	0.13	0.290	0.380
	GSM850	GPRS 4 TX slots	Back	10mm	Ant 2	DSI4	Reduced	251	848.8	22.83	24.00	1.309	-0.05	0.340	0.445
29	GSM850	GPRS 4 TX slots	Left Side	10mm	Ant 2	DSI4	Reduced	251	848.8	22.83	24.00	1.309	-0.03	0.502	0.657
	GSM1900	GPRS 4 TX slots	Front	10mm	Ant 1	DSI4	Reduced	661	1880	22.65	23.50	1.216	0.05	0.214	0.260
	GSM1900	GPRS 4 TX slots	Back	10mm	Ant 1	DSI4	Reduced	661	1880	22.65	23.50	1.216	-0.09	0.242	0.294
	GSM1900	GPRS 4 TX slots	Left Side	10mm	Ant 1	DSI4	Reduced	661	1880	22.65	23.50	1.216	-0.15	0.100	0.121
30	GSM1900	GPRS 4 TX slots	Bottom Side	10mm	Ant 1	DSI4	Reduced	661	1880	22.65	23.50	1.216	0.07	0.335	0.407
	GSM1900	GPRS 4 TX slots	Front	10mm	Ant 5	DSI4	Reduced	661	1880	21.94	22.50	1.138	-0.18	0.168	0.191
	GSM1900	GPRS 4 TX slots	Back	10mm	Ant 5	DSI4	Reduced	661	1880	21.94	22.50	1.138	-0.12	0.219	0.249
	GSM1900	GPRS 4 TX slots	Left Side	10mm	Ant 5	DSI4	Reduced	661	1880	21.94	22.50	1.138	0.02	0.107	0.122
	GSM1900	GPRS 4 TX slots	Top Side	10mm	Ant 5	DSI4	Reduced	661	1880	21.94	22.50	1.138	0.05	0.205	0.233

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 0	DSI4	Reduced	4182	836.4	23.18	24.50	1.355	-0.05	0.418	0.566
31	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 0	DSI4	Reduced	4182	836.4	23.18	24.50	1.355	-0.15	0.542	0.735
	WCDMA V	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSI4	Reduced	4182	836.4	23.18	24.50	1.355	0.19	0.180	0.244
	WCDMA V	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI4	Reduced	4182	836.4	23.18	24.50	1.355	0.14	0.080	0.108
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 2	DSI4	Reduced	4182	836.4	20.25	21.50	1.334	0.14	0.196	0.261
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 2	DSI4	Reduced	4182	836.4	20.25	21.50	1.334	-0.13	0.234	0.312
	WCDMA V	RMC 12.2Kbps	Left Side	10mm	Ant 2	DSI4	Reduced	4182	836.4	20.25	21.50	1.334	-0.07	0.391	0.521
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 1	DSI4	Reduced	1513	1752.6	22.18	23.00	1.208	-0.13	0.451	0.545
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 1	DSI4	Reduced	1513	1752.6	22.18	23.00	1.208	0.04	0.556	0.672
	WCDMA IV	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI4	Reduced	1513	1752.6	22.18	23.00	1.208	0.19	0.203	0.245
32	WCDMA IV	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	1513	1752.6	22.18	23.00	1.208	0.07	0.794	0.959
	WCDMA IV	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	1312	1712.4	22.17	23.00	1.211	-0.07	0.641	0.776
	WCDMA IV	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	1413	1732.6	22.08	23.00	1.236	0.05	0.701	0.866
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 5	DSI4	Reduced	1513	1752.6	17.93	19.50	1.435	0.09	0.137	0.197
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 5	DSI4	Reduced	1513	1752.6	17.93	19.50	1.435	0.15	0.290	0.416
	WCDMA IV	RMC 12.2Kbps	Left Side	10mm	Ant 5	DSI4	Reduced	1513	1752.6	17.93	19.50	1.435	0.05	0.122	0.175
	WCDMA IV	RMC 12.2Kbps	Top Side	10mm	Ant 5	DSI4	Reduced	1513	1752.6	17.93	19.50	1.435	0.09	0.304	0.436
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 1	DSI4	Reduced	9400	1880	21.81	22.50	1.172	0.15	0.369	0.433
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 1	DSI4	Reduced	9400	1880	21.81	22.50	1.172	-0.19	0.461	0.540
	WCDMA II	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSI4	Reduced	9400	1880	21.81	22.50	1.172	-0.08	0.176	0.206
	WCDMA II	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	9400	1880	21.81	22.50	1.172	0.19	0.705	0.826
	WCDMA II	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	9262	1852.4	21.80	22.50	1.175	0.13	0.573	0.673
33	WCDMA II	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSI4	Reduced	9538	1907.6	21.63	22.50	1.222	0.08	0.706	0.863
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 5	DSI4	Reduced	9400	1880	18.06	19.00	1.242	-0.12	0.208	0.258
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 5	DSI4	Reduced	9400	1880	18.06	19.00	1.242	0.05	0.311	0.386
	WCDMA II	RMC 12.2Kbps	Left Side	10mm	Ant 5	DSI4	Reduced	9400	1880	18.06	19.00	1.242	-0.02	0.147	0.183
	WCDMA II	RMC 12.2Kbps	Top Side	10mm	Ant 5	DSI4	Reduced	9400	1880	18.06	19.00	1.242	0.06	0.335	0.416



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12	10M	QPSK	1	25	Front	10mm	Ant 0	DS14	Full	23095	707.5	24.68	26.00	1.355	-0.14	0.197	0.267
	LTE Band 12	10M	QPSK	1	25	Back	10mm	Ant 0	DS14	Full	23095	707.5	24.68	26.00	1.355	0.08	0.248	0.336
	LTE Band 12	10M	QPSK	1	25	Right Side	10mm	Ant 0	DS14	Full	23095	707.5	24.68	26.00	1.355	-0.1	0.183	0.248
	LTE Band 12	10M	QPSK	1	25	Bottom Side	10mm	Ant 0	DS14	Full	23095	707.5	24.68	26.00	1.355	0.1	0.105	0.142
	LTE Band 12	10M	QPSK	25	12	Front	10mm	Ant 0	DS14	Full	23095	707.5	23.62	25.00	1.374	0.02	0.154	0.212
	LTE Band 12	10M	QPSK	25	12	Back	10mm	Ant 0	DS14	Full	23095	707.5	23.62	25.00	1.374	0.13	0.193	0.265
	LTE Band 12	10M	QPSK	25	12	Right Side	10mm	Ant 0	DS14	Full	23095	707.5	23.62	25.00	1.374	0.08	0.138	0.190
	LTE Band 12	10M	QPSK	25	12	Bottom Side	10mm	Ant 0	DS14	Full	23095	707.5	23.62	25.00	1.374	-0.11	0.070	0.096
	LTE Band 12	10M	QPSK	1	25	Front	10mm	Ant 2	DS14	Reduced	23095	707.5	21.57	23.00	1.390	0.16	0.318	0.442
	LTE Band 12	10M	QPSK	1	25	Back	10mm	Ant 2	DS14	Reduced	23095	707.5	21.57	23.00	1.390	-0.01	0.416	0.578
	LTE Band 12	10M	QPSK	1	25	Left Side	10mm	Ant 2	DS14	Reduced	23095	707.5	21.57	23.00	1.390	-0.05	0.706	0.981
	LTE Band 12	10M	QPSK	25	12	Front	10mm	Ant 2	DS14	Reduced	23095	707.5	21.49	23.00	1.416	0.12	0.311	0.440
	LTE Band 12	10M	QPSK	25	12	Back	10mm	Ant 2	DS14	Reduced	23095	707.5	21.49	23.00	1.416	-0.19	0.407	0.576
34	LTE Band 12	10M	QPSK	25	12	Left Side	10mm	Ant 2	DS14	Reduced	23095	707.5	21.49	23.00	1.416	-0.05	0.755	1.069
	LTE Band 12	10M	QPSK	50	0	Left Side	10mm	Ant 2	DS14	Reduced	23095	707.5	21.50	23.00	1.413	-0.11	0.748	1.057
	LTE Band 13	10M	QPSK	1	25	Front	10mm	Ant 0	DS14	Full	23230	782	24.33	25.50	1.309	0.05	0.309	0.405
	LTE Band 13	10M	QPSK	1	25	Back	10mm	Ant 0	DS14	Full	23230	782	24.33	25.50	1.309	0.14	0.406	0.532
	LTE Band 13	10M	QPSK	1	25	Right Side	10mm	Ant 0	DS14	Full	23230	782	24.33	25.50	1.309	0.09	0.173	0.226
	LTE Band 13	10M	QPSK	1	25	Bottom Side	10mm	Ant 0	DS14	Full	23230	782	24.33	25.50	1.309	0.07	0.139	0.182
	LTE Band 13	10M	QPSK	25	12	Front	10mm	Ant 0	DS14	Full	23230	782	23.48	24.50	1.265	-0.15	0.257	0.325
	LTE Band 13	10M	QPSK	25	12	Back	10mm	Ant 0	DS14	Full	23230	782	23.48	24.50	1.265	-0.04	0.308	0.390
	LTE Band 13	10M	QPSK	25	12	Right Side	10mm	Ant 0	DS14	Full	23230	782	23.48	24.50	1.265	-0.01	0.134	0.169
	LTE Band 13	10M	QPSK	25	12	Bottom Side	10mm	Ant 0	DS14	Full	23230	782	23.48	24.50	1.265	0.03	0.109	0.138
	LTE Band 13	10M	QPSK	1	25	Front	10mm	Ant 2	DS14	Reduced	23230	782	20.51	22.00	1.409	-0.19	0.367	0.517
	LTE Band 13	10M	QPSK	1	25	Back	10mm	Ant 2	DS14	Reduced	23230	782	20.51	22.00	1.409	0.14	0.446	0.629
	LTE Band 13	10M	QPSK	1	25	Left Side	10mm	Ant 2	DS14	Reduced	23230	782	20.51	22.00	1.409	0.02	0.631	0.889
	LTE Band 13	10M	QPSK	25	12	Front	10mm	Ant 2	DS14	Reduced	23230	782	20.46	22.00	1.426	0.14	0.370	0.527
	LTE Band 13	10M	QPSK	25	12	Back	10mm	Ant 2	DS14	Reduced	23230	782	20.46	22.00	1.426	0.16	0.453	0.646
	LTE Band 13	10M	QPSK	25	12	Left Side	10mm	Ant 2	DS14	Reduced	23230	782	20.46	22.00	1.426	0.16	0.612	0.872
35	LTE Band 13	10M	QPSK	50	0	Left Side	10mm	Ant 2	DS14	Reduced	23230	782	20.39	22.00	1.449	-0.02	0.621	0.900
	LTE Band 5	10M	QPSK	1	25	Front	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	-0.04	0.324	0.428
	LTE Band 5	10M	QPSK	1	25	Back	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	0.07	0.408	0.539
	LTE Band 5	10M	QPSK	1	25	Right Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	-0.19	0.256	0.338
	LTE Band 5	10M	QPSK	1	25	Bottom Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	0.14	0.187	0.247
	LTE Band 5	10M	QPSK	25	12	Front	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	0.15	0.330	0.440
	LTE Band 5	10M	QPSK	25	12	Back	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.16	0.395	0.527
	LTE Band 5	10M	QPSK	25	12	Right Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.13	0.257	0.343
	LTE Band 5	10M	QPSK	25	12	Bottom Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.18	0.230	0.307
	LTE Band 5	10M	QPSK	1	25	Front	10mm	Ant 2	DS14	Reduced	20525	836.5	19.94	21.00	1.276	-0.18	0.256	0.327
	LTE Band 5	10M	QPSK	1	25	Back	10mm	Ant 2	DS14	Reduced	20525	836.5	19.94	21.00	1.276	-0.03	0.362	0.462
	LTE Band 5	10M	QPSK	1	25	Left Side	10mm	Ant 2	DS14	Reduced	20525	836.5	19.94	21.00	1.276	-0.09	0.512	0.654
	LTE Band 5	10M	QPSK	25	12	Front	10mm	Ant 2	DS14	Reduced	20525	836.5	19.93	21.00	1.279	-0.1	0.259	0.331
	LTE Band 5	10M	QPSK	25	12	Back	10mm	Ant 2	DS14	Reduced	20525	836.5	19.93	21.00	1.279	-0.17	0.363	0.464
36	LTE Band 5	10M	QPSK	25	12	Left Side	10mm	Ant 2	DS14	Reduced	20525	836.5	19.93	21.00	1.279	-0.13	0.527	0.674
	LTE Band 5_EN-DC	10M	QPSK	1	25	Front	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	-0.04	0.324	0.428
	LTE Band 5_EN-DC	10M	QPSK	1	25	Back	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	0.07	0.408	0.539
	LTE Band 5_EN-DC	10M	QPSK	1	25	Right Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	-0.19	0.256	0.338
	LTE Band 5_EN-DC	10M	QPSK	1	25	Bottom Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.29	24.50	1.321	0.14	0.187	0.247
	LTE Band 5_EN-DC	10M	QPSK	25	12	Front	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	0.15	0.330	0.440
	LTE Band 5_EN-DC	10M	QPSK	25	12	Back	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.16	0.395	0.527
	LTE Band 5_EN-DC	10M	QPSK	25	12	Right Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.13	0.257	0.343
	LTE Band 5_EN-DC	10M	QPSK	25	12	Bottom Side	10mm	Ant 0	DS14	Reduced	20525	836.5	23.25	24.50	1.334	-0.18	0.230	0.307



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	LTE Band 5_EN-DC	10M	QPSK	1	25	Front	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.69	20.50	1.205	-0.18	0.256	0.308
	LTE Band 5_EN-DC	10M	QPSK	1	25	Back	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.69	20.50	1.205	-0.03	0.337	0.406
	LTE Band 5_EN-DC	10M	QPSK	1	25	Left Side	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.69	20.50	1.205	-0.09	0.432	0.521
	LTE Band 5_EN-DC	10M	QPSK	25	12	Front	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.68	20.50	1.208	-0.1	0.261	0.315
	LTE Band 5_EN-DC	10M	QPSK	25	12	Back	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.68	20.50	1.208	-0.17	0.347	0.419
	LTE Band 5_EN-DC	10M	QPSK	25	12	Left Side	10mm	Ant 2	DSI4	Reduced	20525	836.5	19.68	20.50	1.208	-0.13	0.453	0.547
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI4	Full	26865	831.5	24.99	26.00	1.262	-0.05	0.398	0.502
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI4	Full	26865	831.5	24.99	26.00	1.262	-0.06	0.502	0.633
	LTE Band 26	15M	QPSK	1	0	Right Side	10mm	Ant 0	DSI4	Full	26865	831.5	24.99	26.00	1.262	0.03	0.351	0.443
	LTE Band 26	15M	QPSK	1	0	Bottom Side	10mm	Ant 0	DSI4	Full	26865	831.5	24.99	26.00	1.262	0.07	0.204	0.257
	LTE Band 26	15M	QPSK	36	20	Front	10mm	Ant 0	DSI4	Full	26865	831.5	23.80	25.00	1.318	0.02	0.340	0.448
	LTE Band 26	15M	QPSK	36	20	Back	10mm	Ant 0	DSI4	Full	26865	831.5	23.80	25.00	1.318	-0.14	0.425	0.560
	LTE Band 26	15M	QPSK	36	20	Right Side	10mm	Ant 0	DSI4	Full	26865	831.5	23.80	25.00	1.318	0	0.296	0.390
	LTE Band 26	15M	QPSK	36	20	Bottom Side	10mm	Ant 0	DSI4	Full	26865	831.5	23.80	25.00	1.318	0.01	0.192	0.253
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.42	24.00	1.439	0.08	0.210	0.302
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.42	24.00	1.439	0.01	0.245	0.353
	LTE Band 26	15M	QPSK	1	0	Left Side	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.42	24.00	1.439	0.19	0.471	0.678
	LTE Band 26	15M	QPSK	36	20	Front	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.36	24.00	1.459	0.18	0.259	0.378
	LTE Band 26	15M	QPSK	36	20	Back	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.36	24.00	1.459	0.18	0.331	0.483
37	LTE Band 26	15M	QPSK	36	20	Left Side	10mm	Ant 2	DSI4	Reduced	26865	831.5	22.36	24.00	1.459	-0.13	0.519	0.757
	LTE Band 4	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	20175	1732.5	23.42	24.50	1.282	-0.17	0.333	0.427
	LTE Band 4	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	20175	1732.5	23.42	24.50	1.282	-0.09	0.330	0.423
	LTE Band 4	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	20175	1732.5	23.42	24.50	1.282	-0.05	0.368	0.472
	LTE Band 4	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	20175	1732.5	23.42	24.50	1.282	0.15	0.206	0.264
	LTE Band 4	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Full	20175	1732.5	22.47	23.50	1.268	0.01	0.262	0.332
	LTE Band 4	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Full	20175	1732.5	22.47	23.50	1.268	-0.07	0.243	0.308
	LTE Band 4	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Full	20175	1732.5	22.47	23.50	1.268	0.11	0.319	0.404
	LTE Band 4	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Full	20175	1732.5	22.47	23.50	1.268	-0.17	0.164	0.208
	LTE Band 4	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.12	22.00	1.225	0.11	0.308	0.377
	LTE Band 4	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.12	22.00	1.225	0.02	0.386	0.473
	LTE Band 4	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.12	22.00	1.225	0.01	0.132	0.162
	LTE Band 4	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.12	22.00	1.225	0.13	0.477	0.584
	LTE Band 4	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.09	22.00	1.233	-0.13	0.308	0.380
	LTE Band 4	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.09	22.00	1.233	-0.14	0.390	0.481
	LTE Band 4	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.09	22.00	1.233	0.17	0.134	0.165
38	LTE Band 4	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	21.09	22.00	1.233	0.07	0.505	0.623
	LTE Band 4	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.03	0.118	0.136
	LTE Band 4	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	0.06	0.239	0.275
	LTE Band 4	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.06	0.313	0.360
	LTE Band 4	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.13	0.032	0.037
	LTE Band 4	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	0.03	0.132	0.153
	LTE Band 4	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	-0.15	0.215	0.249
	LTE Band 4	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	-0.09	0.253	0.293
	LTE Band 4	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	0.03	0.043	0.049
	LTE Band 4	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.70	18.50	1.202	-0.13	0.174	0.209
	LTE Band 4	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.70	18.50	1.202	0.03	0.249	0.299
	LTE Band 4	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.70	18.50	1.202	0.12	0.095	0.114
	LTE Band 4	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.70	18.50	1.202	0.16	0.313	0.376
	LTE Band 4	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.66	18.50	1.213	0.03	0.173	0.210
	LTE Band 4	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.66	18.50	1.213	0.13	0.250	0.303
	LTE Band 4	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.66	18.50	1.213	-0.19	0.094	0.114
	LTE Band 4	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	17.66	18.50	1.213	0.05	0.332	0.403
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	20175	1732.5	24.38	25.50	1.294	-0.09	0.298	0.386
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	20175	1732.5	24.38	25.50	1.294	-0.19	0.272	0.352
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	20175	1732.5	24.38	25.50	1.294	0.13	0.364	0.471
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	20175	1732.5	24.38	25.50	1.294	0.18	0.137	0.177



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	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Full	20175	1732.5	23.36	24.50	1.300	-0.15	0.238	0.309
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Full	20175	1732.5	23.36	24.50	1.300	-0.06	0.212	0.276
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Full	20175	1732.5	23.36	24.50	1.300	-0.13	0.245	0.319
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Full	20175	1732.5	23.36	24.50	1.300	0.03	0.108	0.140
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.15	21.00	1.216	0.06	0.206	0.251
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.15	21.00	1.216	0.03	0.286	0.348
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.15	21.00	1.216	-0.01	0.104	0.126
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.15	21.00	1.216	0.07	0.340	0.414
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.05	21.00	1.245	0.08	0.207	0.258
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.05	21.00	1.245	0.06	0.284	0.353
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.05	21.00	1.245	-0.09	0.105	0.131
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	20175	1732.5	20.05	21.00	1.245	0.13	0.354	0.441
	LTE Band 4_inter-CA	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.98	21.00	1.265	0.07	0.235	0.297
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.98	21.00	1.265	-0.14	0.318	0.402
	LTE Band 4_inter-CA	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.98	21.00	1.265	0.17	0.104	0.132
	LTE Band 4_inter-CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.98	21.00	1.265	0.05	0.457	0.578
	LTE Band 4_inter-CA	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.96	21.00	1.271	-0.02	0.239	0.304
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.96	21.00	1.271	0.09	0.312	0.396
	LTE Band 4_inter-CA	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.96	21.00	1.271	-0.06	0.106	0.135
	LTE Band 4_inter-CA	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	20175	1732.5	19.96	21.00	1.271	0.08	0.450	0.572
	LTE Band 4_inter-CA	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.03	0.118	0.136
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	0.06	0.239	0.275
	LTE Band 4_inter-CA	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.06	0.313	0.360
	LTE Band 4_inter-CA	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.89	16.50	1.151	-0.13	0.032	0.037
	LTE Band 4_inter-CA	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	0.03	0.132	0.153
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	-0.15	0.215	0.249
	LTE Band 4_inter-CA	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	-0.09	0.253	0.293
	LTE Band 4_inter-CA	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	20175	1732.5	15.86	16.50	1.159	0.03	0.043	0.049
	LTE Band 66	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	132572	1770	22.39	23.50	1.291	0.16	0.292	0.377
	LTE Band 66	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	132572	1770	22.39	23.50	1.291	-0.03	0.221	0.285
	LTE Band 66	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	132572	1770	22.39	23.50	1.291	0.04	0.257	0.332
	LTE Band 66	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	132572	1770	22.39	23.50	1.291	-0.05	0.144	0.186
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 0	DSI4	Full	132572	1770	21.46	22.50	1.271	-0.16	0.232	0.295
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 0	DSI4	Full	132572	1770	21.46	22.50	1.271	0.09	0.174	0.221
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI4	Full	132572	1770	21.46	22.50	1.271	0.05	0.224	0.285
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI4	Full	132572	1770	21.46	22.50	1.271	0.07	0.115	0.146
	LTE Band 66	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	132572	1770	19.29	20.00	1.178	0.03	0.253	0.298
	LTE Band 66	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	132572	1770	19.29	20.00	1.178	0.01	0.369	0.435
	LTE Band 66	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	132572	1770	19.29	20.00	1.178	0.05	0.117	0.138
	LTE Band 66	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	132572	1770	19.29	20.00	1.178	-0.06	0.384	0.452
	LTE Band 66	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	132572	1770	19.23	20.00	1.194	0.19	0.253	0.302
	LTE Band 66	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	132572	1770	19.23	20.00	1.194	0.02	0.373	0.445
	LTE Band 66	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	132572	1770	19.23	20.00	1.194	-0.08	0.112	0.134
39	LTE Band 66	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	132572	1770	19.23	20.00	1.194	0.15	0.467	0.558
	LTE Band 66	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	132572	1770	18.17	18.50	1.079	-0.01	0.107	0.115
	LTE Band 66	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	132572	1770	18.17	18.50	1.079	0.05	0.120	0.129
	LTE Band 66	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	132572	1770	18.17	18.50	1.079	-0.18	0.195	0.210
	LTE Band 66	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	132572	1770	18.17	18.50	1.079	-0.04	0.033	0.035
	LTE Band 66	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	132572	1770	18.08	18.50	1.102	0.13	0.105	0.116
	LTE Band 66	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	132572	1770	18.08	18.50	1.102	0.05	0.121	0.133
	LTE Band 66	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	132572	1770	18.08	18.50	1.102	0.1	0.169	0.186
	LTE Band 66	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	132572	1770	18.08	18.50	1.102	-0.06	0.033	0.037
	LTE Band 66	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	132572	1770	17.18	18.00	1.208	-0.14	0.129	0.156
	LTE Band 66	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	132572	1770	17.18	18.00	1.208	-0.11	0.196	0.237
	LTE Band 66	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	132572	1770	17.18	18.00	1.208	0.14	0.058	0.071
	LTE Band 66	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	132572	1770	17.18	18.00	1.208	-0.14	0.222	0.268



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	LTE Band 66	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	132572	1770	17.13	18.00	1.222	0.04	0.128	0.156
	LTE Band 66	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	132572	1770	17.13	18.00	1.222	0.02	0.195	0.238
	LTE Band 66	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	132572	1770	17.13	18.00	1.222	0.17	0.058	0.071
	LTE Band 66	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	132572	1770	17.13	18.00	1.222	0.01	0.223	0.272
	LTE Band 66_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.50	20.00	1.122	0.09	0.206	0.231
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.50	20.00	1.122	0.06	0.371	0.416
	LTE Band 66_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.50	20.00	1.122	0.15	0.134	0.150
	LTE Band 66_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.50	20.00	1.122	-0.18	0.407	0.457
	LTE Band 66_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.47	20.00	1.130	0.07	0.180	0.203
	LTE Band 66_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.47	20.00	1.130	0.08	0.256	0.289
	LTE Band 66_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.47	20.00	1.130	-0.06	0.110	0.124
	LTE Band 66_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	132572	1770	19.47	20.00	1.130	-0.04	0.353	0.399
	LTE Band 66_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.17	18.50	1.079	-0.01	0.107	0.115
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.17	18.50	1.079	0.05	0.120	0.129
	LTE Band 66_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.17	18.50	1.079	-0.18	0.195	0.210
	LTE Band 66_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.17	18.50	1.079	-0.04	0.033	0.035
	LTE Band 66_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.08	18.50	1.102	0.13	0.105	0.116
	LTE Band 66_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.08	18.50	1.102	0.05	0.121	0.133
	LTE Band 66_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.08	18.50	1.102	0.1	0.169	0.186
	LTE Band 66_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	132572	1770	18.08	18.50	1.102	-0.06	0.033	0.037
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	132322	1745	23.41	24.00	1.146	0.13	0.250	0.286
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	132322	1745	23.41	24.00	1.146	-0.13	0.244	0.280
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	132322	1745	23.41	24.00	1.146	-0.04	0.253	0.290
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	132322	1745	23.41	24.00	1.146	0.03	0.135	0.155
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Full	132322	1745	22.92	24.00	1.282	0.11	0.235	0.301
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Full	132322	1745	22.92	24.00	1.282	-0.02	0.211	0.271
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Full	132322	1745	22.92	24.00	1.282	-0.14	0.241	0.309
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Full	132322	1745	22.92	24.00	1.282	0.16	0.112	0.144
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	132322	1745	19.65	20.50	1.216	0.04	0.238	0.289
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	132322	1745	19.65	20.50	1.216	0.14	0.323	0.393
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	132322	1745	19.65	20.50	1.216	-0.03	0.114	0.139
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	132322	1745	19.65	20.50	1.216	-0.07	0.375	0.456
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	132322	1745	19.62	20.50	1.225	0.18	0.235	0.288
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	132322	1745	19.62	20.50	1.225	-0.11	0.327	0.400
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	132322	1745	19.62	20.50	1.225	0.04	0.112	0.137
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	132322	1745	19.62	20.50	1.225	0.08	0.397	0.486
	LTE Band 2	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	19100	1900	22.13	22.50	1.089	-0.08	0.312	0.340
	LTE Band 2	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	19100	1900	22.13	22.50	1.089	0.06	0.499	0.543
	LTE Band 2	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	19100	1900	22.13	22.50	1.089	-0.07	0.168	0.183
40	LTE Band 2	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	19100	1900	22.13	22.50	1.089	0.12	0.500	0.544
	LTE Band 2	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	19100	1900	22.03	22.50	1.114	0.18	0.313	0.349
	LTE Band 2	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	19100	1900	22.03	22.50	1.114	-0.19	0.467	0.520
	LTE Band 2	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	19100	1900	22.03	22.50	1.114	0.15	0.170	0.189
	LTE Band 2	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	19100	1900	22.03	22.50	1.114	-0.05	0.471	0.525
	LTE Band 2	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	19100	1900	18.86	19.50	1.159	0.07	0.111	0.129
	LTE Band 2	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	19100	1900	18.86	19.50	1.159	0.09	0.155	0.180
	LTE Band 2	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	19100	1900	18.86	19.50	1.159	-0.09	0.205	0.238
	LTE Band 2	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	19100	1900	18.86	19.50	1.159	-0.07	0.047	0.054
	LTE Band 2	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	19100	1900	18.85	19.50	1.161	0.08	0.112	0.130
	LTE Band 2	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	19100	1900	18.85	19.50	1.161	0.01	0.177	0.206
	LTE Band 2	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	19100	1900	18.85	19.50	1.161	0.18	0.186	0.216
	LTE Band 2	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	19100	1900	18.85	19.50	1.161	0.03	0.046	0.053
	LTE Band 2_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.28	20.50	1.052	0.14	0.233	0.245
	LTE Band 2_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.28	20.50	1.052	0.03	0.383	0.403
	LTE Band 2_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.28	20.50	1.052	0.04	0.130	0.137
	LTE Band 2_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.28	20.50	1.052	0.18	0.316	0.332



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LTE Band 2_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.20	20.50	1.072	-0.06	0.229	0.245
LTE Band 2_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.20	20.50	1.072	-0.07	0.379	0.406
LTE Band 2_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.20	20.50	1.072	-0.05	0.125	0.134
LTE Band 2_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	19100	1900	20.20	20.50	1.072	0.07	0.276	0.296
LTE Band 2_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.86	19.50	1.159	0.07	0.111	0.129
LTE Band 2_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.86	19.50	1.159	0.09	0.155	0.180
LTE Band 2_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.86	19.50	1.159	-0.09	0.205	0.238
LTE Band 2_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.86	19.50	1.159	-0.07	0.047	0.054
LTE Band 2_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.85	19.50	1.161	0.08	0.112	0.130
LTE Band 2_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.85	19.50	1.161	0.01	0.177	0.206
LTE Band 2_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.85	19.50	1.161	0.18	0.186	0.216
LTE Band 2_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	19100	1900	18.85	19.50	1.161	0.03	0.046	0.053
LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	0.1	0.147	0.196
LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	0.05	0.388	0.519
LTE Band 7	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.16	0.430	0.575
LTE Band 7	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.09	0.559	0.747
LTE Band 7C	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350 +21152	2560 +2540.2	17.89	19.50	1.449	0.08	0.477	0.691
LTE Band 7	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.03	0.116	0.155
LTE Band 7	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.11	0.194	0.259
LTE Band 7	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.14	0.339	0.453
LTE Band 7	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	18.24	19.50	1.337	-0.04	0.438	0.585
LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	21350	2560	20.31	21.00	1.172	0.02	0.309	0.362
LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	21350	2560	20.31	21.00	1.172	0.17	0.369	0.433
LTE Band 7	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	21350	2560	20.31	21.00	1.172	-0.19	0.123	0.144
LTE Band 7	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	21350	2560	20.31	21.00	1.172	-0.17	0.408	0.478
LTE Band 7	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	21350	2560	20.30	21.00	1.175	0.17	0.308	0.362
LTE Band 7	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	21350	2560	20.30	21.00	1.175	-0.18	0.359	0.422
LTE Band 7	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	21350	2560	20.30	21.00	1.175	0.06	0.124	0.146
LTE Band 7	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	21350	2560	20.30	21.00	1.175	0.05	0.408	0.479
LTE Band 7C	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	21350 +21152	2560 +2540.2	19.45	21.00	1.429	0.02	0.306	0.437
LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	21350	2560	13.73	14.50	1.194	-0.1	0.130	0.155
LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	21350	2560	13.73	14.50	1.194	0.19	0.173	0.207
LTE Band 7	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	21350	2560	13.73	14.50	1.194	-0.09	0.318	0.380
LTE Band 7	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	21350	2560	13.73	14.50	1.194	0.11	0.058	0.069
LTE Band 7	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	21350	2560	13.69	14.50	1.205	-0.11	0.131	0.158
LTE Band 7	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	21350	2560	13.69	14.50	1.205	-0.17	0.173	0.208
LTE Band 7	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	21350	2560	13.69	14.50	1.205	0.01	0.325	0.392
LTE Band 7C	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	21350 +21152	2560 +2540.2	13.13	14.50	1.371	0.06	0.305	0.418
LTE Band 7	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	21350	2560	13.69	14.50	1.205	-0.14	0.057	0.069
LTE Band 7	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	12.98	13.50	1.127	-0.1	0.146	0.165
LTE Band 7	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	12.98	13.50	1.127	0.08	0.213	0.240
LTE Band 7	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	12.98	13.50	1.127	-0.17	0.056	0.063
LTE Band 7	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	12.98	13.50	1.127	-0.16	0.219	0.247
LTE Band 7C	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	21350 +21152	2560 +2540.2	12.55	13.50	1.245	0.04	0.200	0.249
LTE Band 7	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	12.88	13.50	1.153	-0.14	0.145	0.167
LTE Band 7	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	12.88	13.50	1.153	0.16	0.158	0.182
LTE Band 7	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	12.88	13.50	1.153	-0.15	0.056	0.065
LTE Band 7	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	12.88	13.50	1.153	0.14	0.198	0.228
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.17	21.50	1.358	0.1	0.158	0.215
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.17	21.50	1.358	-0.07	0.282	0.383
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.17	21.50	1.358	-0.07	0.254	0.345
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.17	21.50	1.358	0.18	0.387	0.526
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.15	21.50	1.365	-0.19	0.180	0.246
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.15	21.50	1.365	0.14	0.272	0.371



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LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.15	21.50	1.365	-0.08	0.246	0.336
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	20.15	21.50	1.365	-0.02	0.400	0.546
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.31	20.50	1.315	0.09	0.202	0.266
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.31	20.50	1.315	-0.09	0.335	0.441
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.31	20.50	1.315	-0.19	0.105	0.138
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.31	20.50	1.315	-0.19	0.309	0.406
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.26	20.50	1.330	-0.16	0.256	0.341
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.26	20.50	1.330	-0.01	0.435	0.579
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.26	20.50	1.330	0.08	0.095	0.126
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	19.26	20.50	1.330	-0.1	0.316	0.420
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.78	18.50	1.180	0.1	0.223	0.263
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.78	18.50	1.180	0.05	0.328	0.387
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.78	18.50	1.180	-0.01	0.428	0.505
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.78	18.50	1.180	-0.09	0.054	0.064
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.74	18.50	1.191	-0.03	0.186	0.222
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.74	18.50	1.191	-0.11	0.242	0.288
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.74	18.50	1.191	-0.09	0.332	0.395
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	17.74	18.50	1.191	-0.04	0.051	0.061
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.69	20.50	1.205	-0.14	0.235	0.283
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.69	20.50	1.205	-0.01	0.280	0.337
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.69	20.50	1.205	0.16	0.074	0.089
LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.69	20.50	1.205	-0.05	0.347	0.418
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.63	20.50	1.222	-0.16	0.234	0.286
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.63	20.50	1.222	-0.01	0.276	0.337
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.63	20.50	1.222	0.08	0.072	0.088
LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	19.63	20.50	1.222	-0.12	0.341	0.417
LTE Band 7_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.63	21.00	1.371	0.1	0.147	0.202
LTE Band 7_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.63	21.00	1.371	0.05	0.328	0.450
LTE Band 7_EN-DC	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.63	21.00	1.371	-0.16	0.254	0.348
LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.63	21.00	1.371	-0.09	0.370	0.507
LTE Band 7_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.57	21.00	1.390	-0.03	0.116	0.161
LTE Band 7_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.57	21.00	1.390	-0.11	0.134	0.186
LTE Band 7_EN-DC	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.57	21.00	1.390	-0.14	0.279	0.388
LTE Band 7_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI 4	Reduced	21350	2560	19.57	21.00	1.390	-0.04	0.308	0.428
LTE Band 7_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.31	21.00	1.172	0.02	0.309	0.362
LTE Band 7_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.31	21.00	1.172	0.17	0.369	0.433
LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.31	21.00	1.172	-0.19	0.123	0.144
LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.31	21.00	1.172	-0.17	0.408	0.478
LTE Band 7_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.30	21.00	1.175	0.17	0.308	0.362
LTE Band 7_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.30	21.00	1.175	-0.18	0.359	0.422
LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.30	21.00	1.175	0.06	0.124	0.146
LTE Band 7_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	21350	2560	20.30	21.00	1.175	0.05	0.408	0.479
LTE Band 7_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.73	14.50	1.194	-0.1	0.130	0.155
LTE Band 7_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.73	14.50	1.194	0.19	0.173	0.207
LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.73	14.50	1.194	-0.09	0.318	0.380
LTE Band 7_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.73	14.50	1.194	0.11	0.058	0.069
LTE Band 7_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.69	14.50	1.205	-0.11	0.131	0.158
LTE Band 7_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.69	14.50	1.205	-0.17	0.173	0.208
LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.69	14.50	1.205	0.01	0.325	0.392
LTE Band 7_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	21350	2560	13.69	14.50	1.205	-0.14	0.057	0.069
LTE Band 7_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.98	13.50	1.127	-0.1	0.146	0.165
LTE Band 7_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.98	13.50	1.127	0.08	0.213	0.240
LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.98	13.50	1.127	-0.17	0.056	0.063
LTE Band 7_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.98	13.50	1.127	-0.16	0.219	0.247
LTE Band 7_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.88	13.50	1.153	-0.14	0.145	0.167
LTE Band 7_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.88	13.50	1.153	0.16	0.158	0.182



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	LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.88	13.50	1.153	-0.15	0.056	0.065
	LTE Band 7_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI 4	Reduced	21350	2560	12.88	13.50	1.153	0.14	0.198	0.228
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	22.65	24.00	1.365	-0.11	0.242	0.330
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	22.65	24.00	1.365	0.11	0.404	0.551
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	22.65	24.00	1.365	-0.19	0.436	0.595
41	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	22.65	24.00	1.365	-0.07	0.673	0.918
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	20850	2510	22.61	24.00	1.377	0.05	0.582	0.802
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	21100	2535	22.59	24.00	1.384	0.12	0.563	0.779
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	22.63	24.00	1.371	-0.04	0.281	0.385
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	22.63	24.00	1.371	-0.05	0.381	0.522
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	22.63	24.00	1.371	-0.13	0.428	0.587
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	22.63	24.00	1.371	0.05	0.536	0.735
	LTE Band 7_Other PA_DL CA	20M	QPSK	100	0	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	22.58	24.00	1.387	0.07	0.572	0.793
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.14	0.235	0.283
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.01	0.280	0.337
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	0.16	0.074	0.089
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.05	0.364	0.439
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.16	0.234	0.286
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.01	0.276	0.337
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	0.08	0.072	0.088
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.12	0.341	0.417
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	20.17	21.50	1.358	0.1	0.158	0.215
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	20.17	21.50	1.358	-0.07	0.282	0.383
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	20.17	21.50	1.358	-0.07	0.254	0.345
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	20.17	21.50	1.358	0.18	0.387	0.526
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Reduced	21350	2560	20.15	21.50	1.365	-0.19	0.180	0.246
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Reduced	21350	2560	20.15	21.50	1.365	0.14	0.272	0.371
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Reduced	21350	2560	20.15	21.50	1.365	-0.08	0.246	0.336
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Reduced	21350	2560	20.15	21.50	1.365	-0.02	0.400	0.546
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.14	0.235	0.283
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.01	0.280	0.337
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	0.16	0.074	0.089
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.69	20.50	1.205	-0.05	0.364	0.439
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.16	0.234	0.286
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.01	0.276	0.337
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	0.08	0.072	0.088
	LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	21350	2560	19.63	20.50	1.222	-0.12	0.341	0.417



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.01	0.152	0.216
	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.06	0.214	0.305
	LTE Band 38	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.04	0.246	0.350
	LTE Band 38	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	0.14	0.289	0.412
	LTE Band 38C	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	37901+38099	2585.1+2604.9	21.75	23.50	1.496	62.9	1.006	0.08	0.262	0.394
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.07	0.121	0.166
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.19	0.170	0.234
	LTE Band 38	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.14	0.203	0.279
	LTE Band 38	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.01	0.234	0.322
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	-0.03	0.256	0.300
	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.13	0.336	0.393
	LTE Band 38	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.09	0.106	0.124
	LTE Band 38	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.13	0.307	0.360
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.09	0.306	0.360
42	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	-0.03	0.389	0.458
	LTE Band 38C	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	37901+38099	2585.1+2604.9	21.90	23.00	1.288	62.9	1.006	0.02	0.294	0.381
	LTE Band 38	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.06	0.106	0.125
	LTE Band 38	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	-0.09	0.305	0.359
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	-0.01	0.144	0.193
	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	-0.06	0.190	0.255
	LTE Band 38	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	0.15	0.213	0.286
	LTE Band 38	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	0.03	0.040	0.054
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.06	0.138	0.187
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	0.12	0.190	0.258
	LTE Band 38	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.16	0.213	0.289
	LTE Band 38C	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	37901+38099	2585.1+2604.9	13.08	14.50	1.387	62.9	1.006	0.11	0.204	0.285
	LTE Band 38	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.04	0.041	0.056
	LTE Band 38	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.04	0.143	0.197
	LTE Band 38	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.12	0.212	0.292
	LTE Band 38	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	0.18	0.052	0.072
	LTE Band 38	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.19	0.231	0.319
	LTE Band 38	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	0.19	0.143	0.199
	LTE Band 38	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.04	0.215	0.299
	LTE Band 38	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.17	0.054	0.075
	LTE Band 38	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.13	0.232	0.323
	LTE Band 38C	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	37901+38099	2585.1+2604.9	15.89	17.50	1.449	62.9	1.006	0.05	0.220	0.321
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 0	DSI 4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.01	0.152	0.216
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 0	DSI 4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.06	0.214	0.305
	LTE Band 38_EN-DC	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI 4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.04	0.246	0.350
	LTE Band 38_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI 4	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	0.14	0.289	0.412
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 0	DSI 4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.07	0.121	0.166
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 0	DSI 4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.19	0.170	0.234
	LTE Band 38_EN-DC	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI 4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.14	0.203	0.279
	LTE Band 38_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI 4	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.01	0.234	0.322
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	-0.03	0.256	0.300
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.13	0.336	0.393
	LTE Band 38_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.09	0.106	0.124
	LTE Band 38_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.13	0.307	0.360
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.09	0.306	0.360
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	-0.03	0.389	0.458
	LTE Band 38_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.06	0.106	0.125



FCC SAR Test Report

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	LTE Band 38_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	-0.09	0.305	0.359
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	-0.01	0.144	0.193
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	-0.06	0.190	0.255
	LTE Band 38_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	0.15	0.213	0.286
	LTE Band 38_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.25	14.50	1.334	62.9	1.006	0.03	0.040	0.054
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.06	0.138	0.187
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	0.12	0.190	0.258
	LTE Band 38_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.16	0.213	0.289
	LTE Band 38_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	38000	2595	13.20	14.50	1.349	62.9	1.006	-0.04	0.041	0.056
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.04	0.143	0.197
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.12	0.212	0.292
	LTE Band 38_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	0.18	0.052	0.072
	LTE Band 38_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.13	17.50	1.371	62.9	1.006	-0.19	0.231	0.319
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	0.19	0.143	0.199
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.04	0.215	0.299
	LTE Band 38_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.17	0.054	0.075
	LTE Band 38_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI 4	Reduced	38000	2595	16.09	17.50	1.384	62.9	1.006	-0.13	0.232	0.323
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 0	DSI4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	-0.09	0.145	0.202
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 0	DSI4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.08	0.348	0.484
	LTE Band 41	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	-0.11	0.304	0.423
43	LTE Band 41	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.03	0.387	0.539
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 0	DSI4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.09	0.117	0.161
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 0	DSI4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.12	0.224	0.308
	LTE Band 41	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.13	0.244	0.336
	LTE Band 41	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.01	0.286	0.394
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 1	DSI4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.16	0.282	0.324
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 1	DSI4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.19	0.389	0.447
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.08	0.122	0.140
	LTE Band 41	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.04	0.369	0.424
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 1	DSI4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.03	0.286	0.330
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 1	DSI4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.18	0.393	0.453
	LTE Band 41	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	-0.02	0.122	0.141
	LTE Band 41	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.08	0.373	0.430
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 3	DSI4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	0.08	0.153	0.186
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 3	DSI4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	-0.07	0.183	0.222
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	-0.08	0.280	0.340
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	0.08	0.047	0.057
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 3	DSI4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	0.18	0.153	0.189
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 3	DSI4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.04	0.182	0.225
	LTE Band 41	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.1	0.245	0.303
	LTE Band 41	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.13	0.061	0.075
	LTE Band 41	20M	QPSK	1	49	Front	10mm	Ant 5	DSI4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	0.02	0.166	0.195
	LTE Band 41	20M	QPSK	1	49	Back	10mm	Ant 5	DSI4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	-0.07	0.210	0.247
	LTE Band 41	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	0.15	0.046	0.054
	LTE Band 41	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	-0.03	0.289	0.339
	LTE Band 41	20M	QPSK	50	24	Front	10mm	Ant 5	DSI4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.18	0.169	0.202
	LTE Band 41	20M	QPSK	50	24	Back	10mm	Ant 5	DSI4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	-0.19	0.209	0.250
	LTE Band 41	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.05	0.045	0.054
	LTE Band 41	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.07	0.286	0.342
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 0	DSI 4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	-0.09	0.145	0.202
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 0	DSI 4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.08	0.348	0.484
	LTE Band 41_EN-DC	20M	QPSK	1	49	Right Side	10mm	Ant 0	DSI 4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	-0.11	0.304	0.423
	LTE Band 41_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 0	DSI 4	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.03	0.387	0.539
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 0	DSI 4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.09	0.117	0.161
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 0	DSI 4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.12	0.224	0.308
	LTE Band 41_EN-DC	20M	QPSK	50	24	Right Side	10mm	Ant 0	DSI 4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.13	0.244	0.336

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FCC SAR Test Report

Report No. : FA190306

	LTE Band 41_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 0	DSI 4	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	0.01	0.286	0.394
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.16	0.282	0.324
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.19	0.389	0.447
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.08	0.122	0.140
	LTE Band 41_EN-DC	20M	QPSK	1	49	Bottom Side	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.04	0.369	0.424
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.03	0.286	0.330
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.18	0.393	0.453
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	-0.02	0.122	0.141
	LTE Band 41_EN-DC	20M	QPSK	50	24	Bottom Side	10mm	Ant 1	DSI 4	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.08	0.373	0.430
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	0.08	0.153	0.186
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	-0.07	0.183	0.222
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	-0.08	0.280	0.340
	LTE Band 41_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.18	17.00	1.208	62.9	1.006	0.08	0.047	0.057
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	0.18	0.153	0.189
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.04	0.182	0.225
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.1	0.245	0.303
	LTE Band 41_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 3	DSI 4	Reduced	40620	2593	16.10	17.00	1.230	62.9	1.006	-0.13	0.061	0.075
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	0.02	0.166	0.195
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	-0.07	0.210	0.247
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	0.15	0.046	0.054
	LTE Band 41_EN-DC	20M	QPSK	1	49	Top Side	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.83	17.50	1.167	62.9	1.006	-0.03	0.289	0.339
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.18	0.169	0.202
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	-0.19	0.209	0.250
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.05	0.045	0.054
	LTE Band 41_EN-DC	20M	QPSK	50	24	Top Side	10mm	Ant 5	DSI 4	Reduced	40620	2593	16.75	17.50	1.189	62.9	1.006	0.07	0.286	0.342
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Front	10mm	Ant 2	DSI4	Reduced	42590	3500	21.16	22.00	1.213	62.9	1.006	-0.09	0.108	0.132
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	10mm	Ant 2	DSI4	Reduced	42590	3500	21.16	22.00	1.213	62.9	1.006	0.04	0.152	0.186
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Left Side	10mm	Ant 2	DSI4	Reduced	42590	3500	21.16	22.00	1.213	62.9	1.006	0.03	0.242	0.295
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Front	10mm	Ant 2	DSI4	Reduced	42590	3500	21.01	22.00	1.256	62.9	1.006	0.16	0.109	0.138
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Back	10mm	Ant 2	DSI4	Reduced	42590	3500	21.01	22.00	1.256	62.9	1.006	0.05	0.156	0.197
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Left Side	10mm	Ant 2	DSI4	Reduced	42590	3500	21.01	22.00	1.256	62.9	1.006	0.15	0.319	0.403
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	Reduced	42590	3500	20.36	21.00	1.159	62.9	1.006	-0.11	0.117	0.136
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	Reduced	42590	3500	20.36	21.00	1.159	62.9	1.006	-0.19	0.312	0.364
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSI4	Reduced	42590	3500	20.36	21.00	1.159	62.9	1.006	0.18	0.060	0.070
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI4	Reduced	42590	3500	20.36	21.00	1.159	62.9	1.006	-0.17	0.363	0.423
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	Reduced	42590	3500	20.31	21.00	1.172	62.9	1.006	-0.15	0.132	0.156
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	Reduced	42590	3500	20.31	21.00	1.172	62.9	1.006	-0.16	0.320	0.377
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI4	Reduced	42590	3500	20.31	21.00	1.172	62.9	1.006	0.02	0.055	0.065
44	LTE Band 42_Part 27Q	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI4	Reduced	42590	3500	20.31	21.00	1.172	62.9	1.006	-0.13	0.411	0.485
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Front	10mm	Ant 6	DSI4	Reduced	42590	3500	19.25	20.00	1.189	62.9	1.006	-0.16	0.097	0.116
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	10mm	Ant 6	DSI4	Reduced	42590	3500	19.25	20.00	1.189	62.9	1.006	0.09	0.174	0.208
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI4	Reduced	42590	3500	19.25	20.00	1.189	62.9	1.006	-0.09	0.234	0.280
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Front	10mm	Ant 6	DSI4	Reduced	42590	3500	19.22	20.00	1.197	62.9	1.006	-0.03	0.096	0.116
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Back	10mm	Ant 6	DSI4	Reduced	42590	3500	19.22	20.00	1.197	62.9	1.006	-0.19	0.184	0.222
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI4	Reduced	42590	3500	19.22	20.00	1.197	62.9	1.006	-0.06	0.275	0.331
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Front	10mm	Ant 11	DSI4	Reduced	42590	3500	16.75	17.50	1.189	62.9	1.006	0.04	0.019	0.023
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	10mm	Ant 11	DSI4	Reduced	42590	3500	16.75	17.50	1.189	62.9	1.006	0.14	0.210	0.251
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Left Side	10mm	Ant 11	DSI4	Reduced	42590	3500	16.75	17.50	1.189	62.9	1.006	-0.05	0.061	0.073
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Top Side	10mm	Ant 11	DSI4	Reduced	42590	3500	16.75	17.50	1.189	62.9	1.006	0.09	0.014	0.017
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Front	10mm	Ant 11	DSI4	Reduced	42590	3500	16.74	17.50	1.191	62.9	1.006	0.11	0.024	0.029
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Back	10mm	Ant 11	DSI4	Reduced	42590	3500	16.74	17.50	1.191	62.9	1.006	-0.05	0.250	0.300
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Left Side	10mm	Ant 11	DSI4	Reduced	42590	3500	16.74	17.50	1.191	62.9	1.006	0.13	0.067	0.080
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Top Side	10mm	Ant 11	DSI4	Reduced	42590	3500	16.74	17.50	1.191	62.9	1.006	0.02	0.015	0.018



<5G NR SAR>

lot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	N5	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.64	23.50	1.219	-0.06	0.282	0.344
	N5	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.64	23.50	1.219	-0.19	0.335	0.408
	N5	20M	BPSK	1	53	DFT-15	Right Side	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.64	23.50	1.219	-0.07	0.161	0.196
	N5	20M	BPSK	1	53	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.64	23.50	1.219	-0.05	0.166	0.202
	N5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.61	23.50	1.227	-0.18	0.291	0.357
	N5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.61	23.50	1.227	-0.07	0.352	0.432
	N5	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.61	23.50	1.227	-0.18	0.164	0.201
	N5	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Reduced	167300	836.5	22.61	23.50	1.227	-0.17	0.145	0.178
	N5	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.97	22.00	1.268	-0.17	0.358	0.454
	N5	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.97	22.00	1.268	0.11	0.399	0.506
45	N5	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.97	22.00	1.268	0.09	0.625	0.792
	N5	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.91	22.00	1.285	0.11	0.307	0.395
	N5	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.91	22.00	1.285	-0.06	0.350	0.450
	N5	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 2	DSI4	Reduced	167300	836.5	20.91	22.00	1.285	0.14	0.468	0.602
	N5_NSA	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.64	23.50	1.219	-0.06	0.282	0.344
	N5_NSA	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.64	23.50	1.219	-0.19	0.335	0.408
	N5_NSA	20M	BPSK	1	53	DFT-15	Right Side	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.64	23.50	1.219	-0.07	0.161	0.196
	N5_NSA	20M	BPSK	1	53	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.64	23.50	1.219	-0.05	0.166	0.202
	N5_NSA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.61	23.50	1.227	-0.18	0.291	0.357
	N5_NSA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.61	23.50	1.227	-0.07	0.352	0.432
	N5_NSA	20M	BPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.61	23.50	1.227	-0.18	0.164	0.201
	N5_NSA	20M	BPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Reduced	167300	836.5	22.61	23.50	1.227	-0.17	0.145	0.178
	N5_NSA	20M	BPSK	1	53	DFT-15	Front	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.78	21.00	1.324	-0.17	0.298	0.395
	N5_NSA	20M	BPSK	1	53	DFT-15	Back	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.78	21.00	1.324	0.11	0.339	0.449
	N5_NSA	20M	BPSK	1	53	DFT-15	Left Side	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.78	21.00	1.324	0.08	0.417	0.552
	N5_NSA	20M	BPSK	50	28	DFT-15	Front	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.77	21.00	1.327	0.11	0.247	0.328
	N5_NSA	20M	BPSK	50	28	DFT-15	Back	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.77	21.00	1.327	-0.06	0.290	0.385
	N5_NSA	20M	BPSK	50	28	DFT-15	Left Side	10mm	Ant 2	DSI 4	Reduced	167300	836.5	19.77	21.00	1.327	0.14	0.408	0.542
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI4	Full	349000	1745	22.78	24.00	1.324	-0.14	0.304	0.403
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI4	Full	349000	1745	22.78	24.00	1.324	-0.13	0.230	0.305
	N66	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI4	Full	349000	1745	22.78	24.00	1.324	0.01	0.231	0.306
	N66	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Full	349000	1745	22.78	24.00	1.324	0.19	0.111	0.147
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI4	Full	349000	1745	22.67	24.00	1.358	0.09	0.259	0.352
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI4	Full	349000	1745	22.67	24.00	1.358	-0.03	0.224	0.304
	N66	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI4	Full	349000	1745	22.67	24.00	1.358	0.01	0.230	0.312
	N66	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Full	349000	1745	22.67	24.00	1.358	-0.11	0.103	0.140
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 1	DSI4	Reduced	349000	1745	21.74	22.50	1.191	-0.02	0.395	0.471
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 1	DSI4	Reduced	349000	1745	21.74	22.50	1.191	0.16	0.492	0.586
	N66	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 1	DSI4	Reduced	349000	1745	21.74	22.50	1.191	-0.02	0.177	0.211
	N66	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 1	DSI4	Reduced	349000	1745	21.74	22.50	1.191	-0.02	0.688	0.820
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 1	DSI4	Reduced	349000	1745	21.73	22.50	1.194	-0.13	0.382	0.456
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 1	DSI4	Reduced	349000	1745	21.73	22.50	1.194	-0.12	0.487	0.581
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 1	DSI4	Reduced	349000	1745	21.73	22.50	1.194	0.03	0.166	0.198
46	N66	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 1	DSI4	Reduced	349000	1745	21.73	22.50	1.194	-0.06	0.739	0.882
	N66	40M	BPSK	216	0	DFT-15	Bottom Side	10mm	Ant 1	DSI4	Reduced	349000	1745	21.72	22.50	1.197	0.16	0.532	0.637
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 3	DSI4	Reduced	349000	1745	18.58	19.50	1.236	0.14	0.110	0.136
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 3	DSI4	Reduced	349000	1745	18.58	19.50	1.236	-0.02	0.138	0.171
	N66	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 3	DSI4	Reduced	349000	1745	18.58	19.50	1.236	0.04	0.224	0.277
	N66	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 3	DSI4	Reduced	349000	1745	18.58	19.50	1.236	-	n/a	n/a
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI4	Reduced	349000	1745	18.56	19.50	1.242	0.07	0.107	0.133
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI4	Reduced	349000	1745	18.56	19.50	1.242	-0.04	0.138	0.171
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI4	Reduced	349000	1745	18.56	19.50	1.242	0.13	0.220	0.273



FCC SAR Test Report

Report No. : FA190306

	N66	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI4	Reduced	349000	1745	18.56	19.50	1.242	-	n/a	n/a
	N66	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 5	DSI4	Reduced	349000	1745	19.49	20.00	1.125	0.14	0.158	0.178
	N66	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 5	DSI4	Reduced	349000	1745	19.49	20.00	1.125	-0.13	0.242	0.272
	N66	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 5	DSI4	Reduced	349000	1745	19.49	20.00	1.125	-0.01	0.084	0.094
	N66	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 5	DSI4	Reduced	349000	1745	19.49	20.00	1.125	0.1	0.388	0.436
	N66	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 5	DSI4	Reduced	349000	1745	19.47	20.00	1.130	0.18	0.158	0.179
	N66	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 5	DSI4	Reduced	349000	1745	19.47	20.00	1.130	-0.05	0.245	0.277
	N66	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 5	DSI4	Reduced	349000	1745	19.47	20.00	1.130	-0.08	0.082	0.093
	N66	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 5	DSI4	Reduced	349000	1745	19.47	20.00	1.130	-0.14	0.304	0.343
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 0	DSI 4	Full	349000	1745	22.78	24.00	1.324	-0.14	0.304	0.403
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 0	DSI 4	Full	349000	1745	22.78	24.00	1.324	-0.13	0.230	0.305
	N66_NSA	40M	BPSK	1	108	DFT-15	Right Side	10mm	Ant 0	DSI 4	Full	349000	1745	22.78	24.00	1.324	0.01	0.231	0.306
	N66_NSA	40M	BPSK	1	108	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Full	349000	1745	22.78	24.00	1.324	0.19	0.111	0.147
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 0	DSI 4	Full	349000	1745	22.67	24.00	1.358	0.09	0.259	0.352
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 4	Full	349000	1745	22.67	24.00	1.358	-0.03	0.224	0.304
	N66_NSA	40M	BPSK	108	54	DFT-15	Right Side	10mm	Ant 0	DSI 4	Full	349000	1745	22.67	24.00	1.358	0.01	0.230	0.312
	N66_NSA	40M	BPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Full	349000	1745	22.67	24.00	1.358	-0.11	0.103	0.140
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.49	20.00	1.125	0.14	0.158	0.178
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.49	20.00	1.125	-0.13	0.242	0.272
	N66_NSA	40M	BPSK	1	108	DFT-15	Left Side	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.49	20.00	1.125	-0.01	0.084	0.094
	N66_NSA	40M	BPSK	1	108	DFT-15	Top Side	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.49	20.00	1.125	0.1	0.388	0.436
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.47	20.00	1.130	0.18	0.158	0.179
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.47	20.00	1.130	-0.05	0.245	0.277
	N66_NSA	40M	BPSK	108	54	DFT-15	Left Side	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.47	20.00	1.130	-0.08	0.082	0.093
	N66_NSA	40M	BPSK	108	54	DFT-15	Top Side	10mm	Ant 5	DSI 4	Reduced	349000	1745	19.47	20.00	1.130	-0.14	0.304	0.343
	N7	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 0	DSI4	Reduced	509000	2545	21.52	22.50	1.253	-0.14	0.231	0.289
	N7	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 0	DSI4	Reduced	509000	2545	21.52	22.50	1.253	-0.16	0.410	0.514
	N7	50M	BPSK	1	135	DFT-15	Right Side	10mm	Ant 0	DSI4	Reduced	509000	2545	21.52	22.50	1.253	-0.15	0.387	0.485
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Reduced	509000	2545	21.52	22.50	1.253	0.05	0.532	0.667
	N7	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 0	DSI4	Reduced	509000	2545	21.45	22.50	1.274	-0.14	0.227	0.289
	N7	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 0	DSI4	Reduced	509000	2545	21.45	22.50	1.274	0.05	0.413	0.526
	N7	50M	BPSK	135	68	DFT-15	Right Side	10mm	Ant 0	DSI4	Reduced	509000	2545	21.45	22.50	1.274	0.12	0.392	0.499
47	N7	50M	BPSK	135	68	DFT-15	Bottom Side	10mm	Ant 0	DSI4	Reduced	509000	2545	21.45	22.50	1.274	0.04	0.547	0.697
	N7	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 1	DSI4	Reduced	509000	2545	17.12	18.00	1.225	0.01	0.176	0.216
	N7	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 1	DSI4	Reduced	509000	2545	17.12	18.00	1.225	0.13	0.231	0.283
	N7	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 1	DSI4	Reduced	509000	2545	17.12	18.00	1.225	0.19	0.075	0.092
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	10mm	Ant 1	DSI4	Reduced	509000	2545	17.12	18.00	1.225	0.04	0.221	0.271
	N7	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 1	DSI4	Reduced	509000	2545	17.02	18.00	1.253	0.02	0.188	0.236
	N7	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 1	DSI4	Reduced	509000	2545	17.02	18.00	1.253	0.03	0.240	0.301
	N7	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 1	DSI4	Reduced	509000	2545	17.02	18.00	1.253	-0.02	0.088	0.110
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	10mm	Ant 1	DSI4	Reduced	509000	2545	17.02	18.00	1.253	-0.13	0.236	0.296
	N7	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 3	DSI4	Reduced	509000	2545	16.72	17.50	1.197	0.15	0.138	0.165
	N7	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 3	DSI4	Reduced	509000	2545	16.72	17.50	1.197	0.14	0.190	0.227
	N7	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 3	DSI4	Reduced	509000	2545	16.72	17.50	1.197	-0.01	0.300	0.359
	N7	50M	BPSK	1	135	DFT-15	Top Side	10mm	Ant 3	DSI4	Reduced	509000	2545	16.72	17.50	1.197	0.09	0.036	0.043
	N7	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI4	Reduced	509000	2545	16.62	17.50	1.225	0.1	0.143	0.175
	N7	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI4	Reduced	509000	2545	16.62	17.50	1.225	0.19	0.185	0.227
	N7	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 3	DSI4	Reduced	509000	2545	16.62	17.50	1.225	0.17	0.276	0.338
	N7	50M	BPSK	135	68	DFT-15	Top Side	10mm	Ant 3	DSI4	Reduced	509000	2545	16.62	17.50	1.225	-0.07	0.037	0.045
	N7	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 5	DSI4	Reduced	509000	2545	16.96	17.50	1.132	-0.04	0.133	0.151
	N7	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 5	DSI4	Reduced	509000	2545	16.96	17.50	1.132	-0.17	0.167	0.189
	N7	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 5	DSI4	Reduced	509000	2545	16.96	17.50	1.132	0.09	0.034	0.039
	N7	50M	BPSK	1	135	DFT-15	Top Side	10mm	Ant 5	DSI4	Reduced	509000	2545	16.96	17.50	1.132	0.17	0.205	0.232
	N7	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 5	DSI4	Reduced	509000	2545	16.94	17.50	1.138	-0.03	0.137	0.156
	N7	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 5	DSI4	Reduced	509000	2545	16.94	17.50	1.138	-0.11	0.172	0.196
	N7	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 5	DSI4	Reduced	509000	2545	16.94	17.50	1.138	0.16	0.039	0.044



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	N7	50M	BPSK	135	68	DFT-15	Top Side	10mm	Ant 5	DSI4	Reduced	509000	2545	16.94	17.50	1.138	0.01	0.215	0.245
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.47	21.00	1.130	-0.14	0.182	0.206
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.47	21.00	1.130	-0.16	0.319	0.360
	N7_NSA	50M	BPSK	1	135	DFT-15	Right Side	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.47	21.00	1.130	-0.15	0.307	0.347
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.47	21.00	1.130	0.05	0.368	0.416
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.46	21.00	1.132	-0.14	0.175	0.198
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.46	21.00	1.132	0.05	0.259	0.293
	N7_NSA	50M	BPSK	135	68	DFT-15	Right Side	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.46	21.00	1.132	0.12	0.249	0.282
	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	Reduced	509000	2545	20.46	21.00	1.132	0.04	0.454	0.514
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.12	18.00	1.225	0.01	0.176	0.216
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.12	18.00	1.225	0.13	0.231	0.283
	N7_NSA	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.12	18.00	1.225	0.19	0.075	0.092
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.12	18.00	1.225	0.04	0.221	0.271
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.02	18.00	1.253	0.02	0.188	0.236
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.02	18.00	1.253	0.03	0.240	0.301
	N7_NSA	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.02	18.00	1.253	-0.02	0.088	0.110
	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	10mm	Ant 1	DSI 4	Reduced	509000	2545	17.02	18.00	1.253	-0.13	0.236	0.296
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.72	17.50	1.197	0.15	0.138	0.165
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.72	17.50	1.197	0.14	0.190	0.227
	N7_NSA	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.72	17.50	1.197	-0.01	0.300	0.359
	N7_NSA	50M	BPSK	1	135	DFT-15	Top Side	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.72	17.50	1.197	0.09	0.036	0.043
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.62	17.50	1.225	0.1	0.143	0.175
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.62	17.50	1.225	0.19	0.185	0.227
	N7_NSA	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.62	17.50	1.225	0.17	0.276	0.338
	N7_NSA	50M	BPSK	135	68	DFT-15	Top Side	10mm	Ant 3	DSI 4	Reduced	509000	2545	16.62	17.50	1.225	-0.07	0.037	0.045
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.96	17.50	1.132	-0.04	0.133	0.151
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.96	17.50	1.132	-0.17	0.167	0.189
	N7_NSA	50M	BPSK	1	135	DFT-15	Left Side	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.96	17.50	1.132	0.09	0.034	0.039
	N7_NSA	50M	BPSK	1	135	DFT-15	Top Side	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.96	17.50	1.132	0.17	0.205	0.232
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.94	17.50	1.138	-0.03	0.137	0.156
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.94	17.50	1.138	-0.11	0.172	0.196
	N7_NSA	50M	BPSK	135	68	DFT-15	Left Side	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.94	17.50	1.138	0.16	0.039	0.044
	N7_NSA	50M	BPSK	135	68	DFT-15	Top Side	10mm	Ant 5	DSI 4	Reduced	509000	2545	16.94	17.50	1.138	0.01	0.215	0.245
	N38	40M	BPSK	1	53	DFT-30	Front	10mm	Ant 0	DSI4	Reduced	519000	2595	21.45	22.50	1.274	-0.1	0.233	0.297
	N38	40M	BPSK	1	53	DFT-30	Back	10mm	Ant 0	DSI4	Reduced	519000	2595	21.45	22.50	1.274	-0.07	0.287	0.365
	N38	40M	BPSK	1	53	DFT-30	Right Side	10mm	Ant 0	DSI4	Reduced	519000	2595	21.45	22.50	1.274	0.06	0.332	0.423
	N38	40M	BPSK	1	53	DFT-30	Bottom Side	10mm	Ant 0	DSI4	Reduced	519000	2595	21.45	22.50	1.274	0.08	0.358	0.456
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 0	DSI4	Reduced	519000	2595	21.41	22.50	1.285	-0.11	0.241	0.310
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 0	DSI4	Reduced	519000	2595	21.41	22.50	1.285	0.12	0.291	0.374
	N38	40M	BPSK	50	28	DFT-30	Right Side	10mm	Ant 0	DSI4	Reduced	519000	2595	21.41	22.50	1.285	-0.13	0.342	0.440
48	N38	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 0	DSI4	Reduced	519000	2595	21.41	22.50	1.285	0.06	0.402	0.517
	N38	40M	BPSK	1	53	DFT-30	Front	10mm	Ant 1	DSI4	Reduced	519000	2595	20.20	20.50	1.072	-0.08	0.224	0.240
	N38	40M	BPSK	1	53	DFT-30	Back	10mm	Ant 1	DSI4	Reduced	519000	2595	20.20	20.50	1.072	0.07	0.284	0.304
	N38	40M	BPSK	1	53	DFT-30	Left Side	10mm	Ant 1	DSI4	Reduced	519000	2595	20.20	20.50	1.072	0.03	0.093	0.100
	N38	40M	BPSK	1	53	DFT-30	Bottom Side	10mm	Ant 1	DSI4	Reduced	519000	2595	20.20	20.50	1.072	0.19	0.272	0.291
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 1	DSI4	Reduced	519000	2595	20.12	20.50	1.091	0.17	0.223	0.243
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 1	DSI4	Reduced	519000	2595	20.12	20.50	1.091	-0.14	0.290	0.317
	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 1	DSI4	Reduced	519000	2595	20.12	20.50	1.091	-0.04	0.101	0.110
	N38	40M	BPSK	50	28	DFT-30	Bottom Side	10mm	Ant 1	DSI4	Reduced	519000	2595	20.12	20.50	1.091	-0.18	0.261	0.285
	N38	40M	BPSK	1	53	DFT-30	Front	10mm	Ant 3	DSI4	Reduced	519000	2595	16.57	17.50	1.239	-0.05	0.138	0.171
	N38	40M	BPSK	1	53	DFT-30	Back	10mm	Ant 3	DSI4	Reduced	519000	2595	16.57	17.50	1.239	-0.15	0.178	0.221
	N38	40M	BPSK	1	53	DFT-30	Left Side	10mm	Ant 3	DSI4	Reduced	519000	2595	16.57	17.50	1.239	-0.18	0.213	0.264
	N38	40M	BPSK	1	53	DFT-30	Top Side	10mm	Ant 3	DSI4	Reduced	519000	2595	16.57	17.50	1.239	0.1	0.044	0.055
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 3	DSI4	Reduced	519000	2595	16.56	17.50	1.242	-0.19	0.132	0.164
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 3	DSI4	Reduced	519000	2595	16.56	17.50	1.242	-0.07	0.163	0.202
	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 3	DSI4	Reduced	519000	2595	16.56	17.50	1.242	-0.17	0.241	0.299



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	N38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 3	DSI4	Reduced	519000	2595	16.56	17.50	1.242	0.08	0.047	0.058
	N38	40M	BPSK	1	53	DFT-30	Front	10mm	Ant 5	DSI4	Reduced	519000	2595	17.15	18.00	1.216	-0.18	0.149	0.181
	N38	40M	BPSK	1	53	DFT-30	Back	10mm	Ant 5	DSI4	Reduced	519000	2595	17.15	18.00	1.216	-0.1	0.198	0.241
	N38	40M	BPSK	1	53	DFT-30	Left Side	10mm	Ant 5	DSI4	Reduced	519000	2595	17.15	18.00	1.216	0.07	0.050	0.061
	N38	40M	BPSK	1	53	DFT-30	Top Side	10mm	Ant 5	DSI4	Reduced	519000	2595	17.15	18.00	1.216	0.02	0.252	0.306
	N38	40M	BPSK	50	28	DFT-30	Front	10mm	Ant 5	DSI4	Reduced	519000	2595	17.12	18.00	1.225	0.07	0.163	0.200
	N38	40M	BPSK	50	28	DFT-30	Back	10mm	Ant 5	DSI4	Reduced	519000	2595	17.12	18.00	1.225	0.04	0.220	0.269
	N38	40M	BPSK	50	28	DFT-30	Left Side	10mm	Ant 5	DSI4	Reduced	519000	2595	17.12	18.00	1.225	-0.18	0.053	0.065
	N38	40M	BPSK	50	28	DFT-30	Top Side	10mm	Ant 5	DSI4	Reduced	519000	2595	17.12	18.00	1.225	0.07	0.264	0.323
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.99	24.00	1.262	0.13	0.271	0.342
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.99	24.00	1.262	-0.09	0.345	0.435
	N41	100M	BPSK	1	137	DFT-30	Right Side	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.99	24.00	1.262	0.08	0.422	0.532
	N41	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.99	24.00	1.262	0.02	0.587	0.741
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.84	24.00	1.306	0.11	0.287	0.375
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.84	24.00	1.306	0.05	0.344	0.449
	N41	100M	BPSK	135	69	DFT-30	Right Side	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.84	24.00	1.306	0.11	0.412	0.538
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.84	24.00	1.306	-0.05	0.523	0.683
49	N41	100M	BPSK	270	0	DFT-30	Bottom Side	10mm	Ant 0	DSI4	Reduced	518598	2592.99	22.73	24.00	1.340	-0.13	0.592	0.793
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.54	20.50	1.247	-0.05	0.206	0.257
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.54	20.50	1.247	0.08	0.301	0.375
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.54	20.50	1.247	0.19	0.091	0.114
	N41	100M	BPSK	1	137	DFT-30	Bottom Side	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.54	20.50	1.247	0.19	0.247	0.308
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.46	20.50	1.271	-0.07	0.216	0.274
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.46	20.50	1.271	-0.16	0.339	0.431
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.46	20.50	1.271	0.07	0.090	0.114
	N41	100M	BPSK	135	69	DFT-30	Bottom Side	10mm	Ant 1	DSI4	Reduced	518598	2592.99	19.46	20.50	1.271	0.1	0.269	0.342
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.69	17.50	1.205	0.18	0.138	0.166
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.69	17.50	1.205	-0.13	0.176	0.212
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.69	17.50	1.205	-0.01	0.244	0.294
	N41	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.69	17.50	1.205	-0.14	0.046	0.055
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.65	17.50	1.216	-0.14	0.148	0.180
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.65	17.50	1.216	0.07	0.197	0.240
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.65	17.50	1.216	0.11	0.288	0.350
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI4	Reduced	518598	2592.99	16.65	17.50	1.216	0.11	0.054	0.066
	N41	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.26	18.00	1.186	0.17	0.138	0.164
	N41	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.26	18.00	1.186	-0.13	0.198	0.235
	N41	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.26	18.00	1.186	0.05	0.044	0.052
	N41	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.26	18.00	1.186	0.12	0.251	0.298
	N41	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.21	18.00	1.199	-0.1	0.151	0.181
	N41	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.21	18.00	1.199	-0.14	0.204	0.245
	N41	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.21	18.00	1.199	0.05	0.046	0.055
	N41	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI4	Reduced	518598	2592.99	17.21	18.00	1.199	-0.15	0.272	0.326
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.54	19.50	1.247	0.03	0.072	0.090
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.54	19.50	1.247	-0.07	0.113	0.141
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.54	19.50	1.247	-0.17	0.268	0.334
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.53	19.50	1.250	0.04	0.078	0.098
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.53	19.50	1.250	-0.17	0.119	0.149
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	633334	3500.01	18.53	19.50	1.250	0.17	0.180	0.225
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	656000	3840	18.88	19.50	1.153	0.07	0.149	0.172
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	656000	3840	18.88	19.50	1.153	0.1	0.182	0.210
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	656000	3840	18.88	19.50	1.153	0.13	0.376	0.434
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	656000	3840	18.81	19.50	1.172	-0.06	0.155	0.182
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	656000	3840	18.81	19.50	1.172	0.01	0.197	0.231
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	656000	3840	18.81	19.50	1.172	0.06	0.491	0.576
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	-0.08	0.119	0.148
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	-0.18	0.385	0.480



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	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	0.13	0.000	0.000
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	0.12	0.284	0.354
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.52	18.50	1.253	0.08	0.120	0.150
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.52	18.50	1.253	-0.01	0.342	0.429
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.52	18.50	1.253	0.03	0.000	0.000
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.52	18.50	1.253	0.12	0.307	0.385
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	656000	3840	17.39	18.50	1.291	0.17	0.062	0.080
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	656000	3840	17.39	18.50	1.291	-0.11	0.256	0.331
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	656000	3840	17.39	18.50	1.291	-	n/a	n/a
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	656000	3840	17.39	18.50	1.291	-0.15	0.234	0.302
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	656000	3840	17.38	18.50	1.294	0.11	0.062	0.080
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	656000	3840	17.38	18.50	1.294	-0.12	0.261	0.338
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	656000	3840	17.38	18.50	1.294	-0.01	0.084	0.109
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	656000	3840	17.38	18.50	1.294	0.18	0.220	0.285
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.69	17.50	1.205	-0.02	0.150	0.181
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.69	17.50	1.205	-0.01	0.271	0.327
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.69	17.50	1.205	-0.1	0.360	0.434
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.68	17.50	1.208	-0.01	0.150	0.181
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.68	17.50	1.208	-0.11	0.269	0.325
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	633334	3500.01	16.68	17.50	1.208	-0.17	0.482	0.582
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	656000	3840	16.36	17.50	1.300	0.15	0.218	0.283
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	656000	3840	16.36	17.50	1.300	0.09	0.451	0.586
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	656000	3840	16.36	17.50	1.300	-0.11	0.543	0.706
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	656000	3840	16.31	17.50	1.315	0.12	0.221	0.291
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	656000	3840	16.31	17.50	1.315	-0.09	0.456	0.600
50	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	656000	3840	16.31	17.50	1.315	0.06	0.777	1.022
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	656000	3840	16.15	17.50	1.365	0.02	0.599	0.817
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.48	16.00	1.419	-0.15	0.011	0.016
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.48	16.00	1.419	0.15	0.171	0.243
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.48	16.00	1.419	-0.13	0.066	0.094
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.48	16.00	1.419	-0.11	0.021	0.030
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.47	16.00	1.422	0.06	0.013	0.018
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.47	16.00	1.422	0.13	0.234	0.333
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.47	16.00	1.422	0.02	0.056	0.080
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	14.47	16.00	1.422	-0.08	0.018	0.026
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	656000	3840	14.93	16.00	1.279	0.18	0.023	0.029
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	656000	3840	14.93	16.00	1.279	-0.18	0.524	0.670
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	656000	3840	14.93	16.00	1.279	-0.15	0.108	0.138
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	656000	3840	14.93	16.00	1.279	-0.07	0.018	0.023
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	656000	3840	14.91	16.00	1.285	0.06	0.028	0.036
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	656000	3840	14.91	16.00	1.285	-0.01	0.686	0.882
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	656000	3840	14.91	16.00	1.285	0.11	0.110	0.141
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	656000	3840	14.91	16.00	1.285	0.03	0.021	0.027
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	656000	3840	14.89	16.00	1.291	0.01	0.692	0.894
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.86	20.50	1.159	0.17	0.100	0.116
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.86	20.50	1.159	-0.1	0.149	0.173
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.86	20.50	1.159	-0.03	0.245	0.284
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.84	20.50	1.164	0.02	0.104	0.121
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.84	20.50	1.164	0.15	0.156	0.182
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	633334	3500.01	19.84	20.50	1.164	-0.11	0.380	0.442
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	650000	3750	20.05	20.50	1.109	-0.13	0.173	0.192
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	650000	3750	20.05	20.50	1.109	0.19	0.219	0.243
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	650000	3750	20.05	20.50	1.109	0.15	0.543	0.602
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI4	Reduced	650000	3750	20.01	20.50	1.119	-0.07	0.168	0.188
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI4	Reduced	650000	3750	20.01	20.50	1.119	0.12	0.214	0.240
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	650000	3750	20.01	20.50	1.119	-0.15	0.459	0.514



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	N78_Part 27O	100M	BPSK	270	0	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	650000	3750	19.87	20.50	1.156	0.07	0.404	0.467
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.98	19.00	1.265	0.09	0.103	0.130
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.98	19.00	1.265	0.13	0.288	0.364
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.98	19.00	1.265	-0.09	0.044	0.056
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.98	19.00	1.265	0.03	0.261	0.330
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.96	19.00	1.271	0.07	0.096	0.122
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.96	19.00	1.271	0.15	0.299	0.380
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.96	19.00	1.271	0.12	0.040	0.051
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	633334	3500.01	17.96	19.00	1.271	0.11	0.261	0.332
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	650000	3750	18.27	19.00	1.183	-0.09	0.043	0.051
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	650000	3750	18.27	19.00	1.183	0.02	0.173	0.205
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	650000	3750	18.27	19.00	1.183	0.09	0.059	0.070
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	650000	3750	18.27	19.00	1.183	0.1	0.168	0.199
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI4	Reduced	650000	3750	18.23	19.00	1.194	0.1	0.036	0.043
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI4	Reduced	650000	3750	18.23	19.00	1.194	-0.13	0.205	0.245
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI4	Reduced	650000	3750	18.23	19.00	1.194	-0.19	0.050	0.060
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI4	Reduced	650000	3750	18.23	19.00	1.194	0.19	0.181	0.216
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.58	18.50	1.236	-0.14	0.107	0.132
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.58	18.50	1.236	0.04	0.200	0.247
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.58	18.50	1.236	-0.16	0.255	0.315
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	-0.17	0.111	0.138
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	0.18	0.204	0.254
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	633334	3500.01	17.54	18.50	1.247	0.16	0.276	0.344
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	650000	3750	17.72	18.50	1.197	-0.05	0.182	0.218
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	650000	3750	17.72	18.50	1.197	0.12	0.352	0.421
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	650000	3750	17.72	18.50	1.197	-0.11	0.588	0.704
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI4	Reduced	650000	3750	17.71	18.50	1.199	-0.06	0.193	0.232
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI4	Reduced	650000	3750	17.71	18.50	1.199	0.12	0.368	0.441
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	650000	3750	17.71	18.50	1.199	0.16	0.498	0.597
	N78_Part 27O	100M	BPSK	270	0	DFT-30	Top Side	10mm	Ant 6	DSI4	Reduced	650000	3750	17.29	18.50	1.321	0.08	0.433	0.572
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.06	0.021	0.028
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.03	0.243	0.322
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.08	0.085	0.113
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.18	0.024	0.032
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.09	0.023	0.030
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.07	0.250	0.331
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	0.14	0.084	0.111
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	633334	3500.01	15.78	17.00	1.324	-0.18	0.026	0.034
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	650000	3750	16.29	17.00	1.178	0.18	0.045	0.053
51	N78_Part 27O	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	650000	3750	16.29	17.00	1.178	-0.03	0.842	0.992
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	650000	3750	16.29	17.00	1.178	0.01	0.175	0.206
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	650000	3750	16.29	17.00	1.178	0.06	0.043	0.051
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI4	Reduced	650000	3750	16.28	17.00	1.180	-0.18	0.051	0.060
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	650000	3750	16.28	17.00	1.180	0.19	0.733	0.865
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI4	Reduced	650000	3750	16.28	17.00	1.180	0.13	0.184	0.217
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI4	Reduced	650000	3750	16.28	17.00	1.180	0.18	0.049	0.058
	N78_Part 27O	100M	BPSK	270	0	DFT-30	Back	10mm	Ant 11	DSI4	Reduced	650000	3750	16.15	17.00	1.216	0.04	0.724	0.881
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.86	20.50	1.159	0.17	0.100	0.116
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.86	20.50	1.159	-0.1	0.149	0.173
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.86	20.50	1.159	-0.03	0.245	0.284
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.84	20.50	1.164	0.02	0.104	0.121
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.84	20.50	1.164	0.15	0.156	0.182
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI 4	Reduced	633334	3500.01	19.84	20.50	1.164	-0.11	0.380	0.442
	N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.05	20.50	1.109	-0.13	0.173	0.192
	N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.05	20.50	1.109	0.19	0.219	0.243
	N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.05	20.50	1.109	0.15	0.543	0.602



FCC SAR Test Report

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N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.01	20.50	1.119	-0.07	0.168	0.188
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.01	20.50	1.119	0.12	0.214	0.240
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 2	DSI 4	Reduced	650000	3750	20.01	20.50	1.119	-0.15	0.459	0.514
N78_Part 27O_NSA	100M	BPSK	270	0	DFT-30	Left Side	10mm	Ant 2	DSI4	Reduced	650000	3750	19.87	20.50	1.156	0.07	0.404	0.467
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.98	19.00	1.265	0.09	0.103	0.130
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.98	19.00	1.265	0.13	0.288	0.364
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.98	19.00	1.265	-0.09	0.044	0.056
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.98	19.00	1.265	0.03	0.261	0.330
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.96	19.00	1.271	0.07	0.096	0.122
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.96	19.00	1.271	0.15	0.299	0.380
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.96	19.00	1.271	0.12	0.040	0.051
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 4	Reduced	633334	3500.01	17.96	19.00	1.271	0.11	0.261	0.332
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.27	19.00	1.183	-0.09	0.043	0.051
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.27	19.00	1.183	0.02	0.173	0.205
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.27	19.00	1.183	0.09	0.059	0.070
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.27	19.00	1.183	0.1	0.168	0.199
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.23	19.00	1.194	0.1	0.036	0.043
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.23	19.00	1.194	-0.13	0.205	0.245
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.23	19.00	1.194	-0.19	0.050	0.060
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 4	DSI 4	Reduced	650000	3750	18.23	19.00	1.194	0.19	0.181	0.216
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.16	18.00	1.213	-0.14	0.113	0.137
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.16	18.00	1.213	0.04	0.206	0.250
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.16	18.00	1.213	-0.16	0.259	0.314
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.15	18.00	1.216	-0.17	0.124	0.151
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.15	18.00	1.216	0.18	0.218	0.265
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	Reduced	633334	3500.01	17.15	18.00	1.216	0.16	0.278	0.338
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.13	18.00	1.222	-0.05	0.176	0.215
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.13	18.00	1.222	0.12	0.345	0.422
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.13	18.00	1.222	-0.11	0.463	0.566
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.12	18.00	1.225	-0.06	0.160	0.196
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.12	18.00	1.225	0.12	0.323	0.396
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	Reduced	650000	3750	17.12	18.00	1.225	0.16	0.423	0.518
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.56	14.50	1.242	0.06	0.021	0.026
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.56	14.50	1.242	0.04	0.130	0.161
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.56	14.50	1.242	-0.16	0.051	0.063
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.56	14.50	1.242	-	n/a	n/a
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.54	14.50	1.247	0.07	0.021	0.026
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.54	14.50	1.247	0.13	0.154	0.192
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.54	14.50	1.247	-0.09	0.056	0.070
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI 4	Reduced	633334	3500.01	13.54	14.50	1.247	-	n/a	n/a
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.62	14.50	1.225	0.01	0.054	0.066
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.62	14.50	1.225	0.16	0.495	0.606
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Left Side	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.62	14.50	1.225	0.03	0.040	0.049
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Top Side	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.62	14.50	1.225	0.06	0.058	0.071
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.60	14.50	1.230	-0.06	0.054	0.066
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.60	14.50	1.230	-0.04	0.408	0.502
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Left Side	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.60	14.50	1.230	-0.16	0.040	0.049
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Top Side	10mm	Ant 11	DSI 4	Reduced	650000	3750	13.60	14.50	1.230	0.04	0.057	0.070



<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 8	Simultaneous	1	2412	16.00	17.00	1.259	99.6	1.004	0.09	0.092	0.116
52	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 8	Simultaneous	1	2412	16.00	17.00	1.259	99.6	1.004	0.05	0.170	0.215
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 8	Simultaneous	1	2412	16.00	17.00	1.259	99.6	1.004	-0.03	0.025	0.032
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 8	Simultaneous	1	2412	16.00	17.00	1.259	99.6	1.004	0.09	0.083	0.105
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 9	Simultaneous	6	2437	16.60	17.50	1.230	99.6	1.004	0.16	0.062	0.077
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 9	Simultaneous	6	2437	16.60	17.50	1.230	99.6	1.004	-0.07	0.152	0.188
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 9	Simultaneous	6	2437	16.60	17.50	1.230	99.6	1.004	0.08	0.022	0.027
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 9	Simultaneous	6	2437	16.60	17.50	1.230	99.6	1.004	0.14	0.093	0.115

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8	Simultaneous	42	5210	12.20	13.50	1.349	88.4	1.131	-0.14	0.061	0.094
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8	Simultaneous	42	5210	12.20	13.50	1.349	88.4	1.131	-0.13	0.025	0.038
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 8	Simultaneous	42	5210	12.20	13.50	1.349	88.4	1.131	0.19	0.025	0.038
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 8	Simultaneous	42	5210	12.20	13.50	1.349	88.4	1.131	-0.08	0.046	0.070
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 9	Simultaneous	42	5210	13.10	14.50	1.380	88.4	1.131	0.09	0.039	0.061
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 9	Simultaneous	42	5210	13.10	14.50	1.380	88.4	1.131	-0.03	0.035	0.055
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 9	Simultaneous	42	5210	13.10	14.50	1.380	88.4	1.131	-0.11	0.080	0.125
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 9	Simultaneous	42	5210	13.10	14.50	1.380	88.4	1.131	0.14	0.031	0.048
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 8+9	Simultaneous	42	5210	15.68	17.00	1.355	88.4	1.131	0.14	0.087	0.133
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 8+9	Simultaneous	42	5210	15.68	17.00	1.355	88.4	1.131	-0.13	0.068	0.104
53	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 8+9	Simultaneous	42	5210	15.68	17.00	1.355	88.4	1.131	-0.06	0.136	0.208
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 8+9	Simultaneous	42	5210	15.68	17.00	1.355	88.4	1.131	0.07	0.060	0.092
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	10mm	Ant 8	Simultaneous	159	5795	12.80	14.00	1.318	93.6	1.068	-0.15	0.083	0.117
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	10mm	Ant 8	Simultaneous	159	5795	12.80	14.00	1.318	93.6	1.068	-0.19	0.041	0.058
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 8	Simultaneous	159	5795	12.80	14.00	1.318	93.6	1.068	0.05	0.028	0.039
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 8	Simultaneous	159	5795	12.80	14.00	1.318	93.6	1.068	-0.12	0.085	0.120
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	10mm	Ant 9	Simultaneous	159	5795	13.40	14.50	1.288	93.6	1.068	0.14	0.028	0.039
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	10mm	Ant 9	Simultaneous	159	5795	13.40	14.50	1.288	93.6	1.068	0.19	0.046	0.063
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 9	Simultaneous	159	5795	13.40	14.50	1.288	93.6	1.068	0.05	0.010	0.014
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 9	Simultaneous	159	5795	13.40	14.50	1.288	93.6	1.068	0.16	0.056	0.077
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	10mm	Ant 8+9	Simultaneous	159	5795	16.12	17.50	1.374	93.6	1.068	0.05	0.103	0.151
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	10mm	Ant 8+9	Simultaneous	159	5795	16.12	17.50	1.374	93.6	1.068	0.16	0.086	0.126
54	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 8+9	Simultaneous	159	5795	16.12	17.50	1.374	93.6	1.068	-0.03	0.164	0.241
	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 8+9	Simultaneous	159	5795	16.12	17.50	1.374	93.6	1.068	0.1	0.092	0.135

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.07	0.036	0.054
55	Bluetooth	DH5 1Mbps	Back	10mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.03	0.085	0.127
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	-0.08	0.017	0.025
	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	-0.14	0.036	0.054



15.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 4 TX slots	Front	15mm	Ant 0	DSI1	Full	251	848.8	26.02	27.50	1.406	0.15	0.186	0.262
	GSM850	GPRS 4 TX slots	Back	15mm	Ant 0	DSI1	Full	251	848.8	26.02	27.50	1.406	-0.14	0.223	0.314
	GSM850	GPRS 4 TX slots	Front	15mm	Ant 2	DSI3	Full	251	848.8	24.73	26.50	1.503	0.14	0.219	0.329
56	GSM850	GPRS 4 TX slots	Back	15mm	Ant 2	DSI3	Full	251	848.8	24.73	26.50	1.503	0.01	0.285	0.428
	GSM1900	GPRS 4 TX slots	Front	15mm	Ant 1	DSI1	Reduced	661	1880	22.65	23.50	1.216	0.11	0.055	0.067
	GSM1900	GPRS 4 TX slots	Back	15mm	Ant 1	DSI1	Reduced	661	1880	22.65	23.50	1.216	0.18	0.142	0.173
	GSM1900	GPRS 4 TX slots	Front	15mm	Ant 1	DSI3	Full	661	1880	23.33	24.50	1.309	-0.06	0.086	0.113
57	GSM1900	GPRS 4 TX slots	Back	15mm	Ant 1	DSI3	Full	661	1880	23.33	24.50	1.309	-0.04	0.181	0.237
	GSM1900	GPRS 4 TX slots	Front	15mm	Ant 5	DSI3	Full	661	1880	22.32	23.00	1.169	-0.08	0.077	0.090
	GSM1900	GPRS 4 TX slots	Back	15mm	Ant 5	DSI3	Full	661	1880	22.32	23.00	1.169	-0.04	0.119	0.139

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V	RMC 12.2Kbps	Front	15mm	Ant 0	DSI1	Reduced	4182	836.4	23.18	24.50	1.355	-0.03	0.222	0.301
	WCDMA V	RMC 12.2Kbps	Back	15mm	Ant 0	DSI1	Reduced	4182	836.4	23.18	24.50	1.355	-0.02	0.275	0.373
	WCDMA V	RMC 12.2Kbps	Front	15mm	Ant 0	DSI3	Full	4182	836.4	23.72	25.00	1.343	-0.11	0.245	0.329
58	WCDMA V	RMC 12.2Kbps	Back	15mm	Ant 0	DSI3	Full	4182	836.4	23.72	25.00	1.343	-0.08	0.295	0.396
	WCDMA V	RMC 12.2Kbps	Front	15mm	Ant 2	DSI3	Reduced	4182	836.4	21.17	22.50	1.358	0.17	0.172	0.234
	WCDMA V	RMC 12.2Kbps	Back	15mm	Ant 2	DSI3	Reduced	4182	836.4	21.17	22.50	1.358	-0.07	0.188	0.255
	WCDMA IV	RMC 12.2Kbps	Front	15mm	Ant 1	DSI1	Reduced	1513	1752.6	22.18	23.00	1.208	0.04	0.189	0.228
	WCDMA IV	RMC 12.2Kbps	Back	15mm	Ant 1	DSI1	Reduced	1513	1752.6	22.18	23.00	1.208	-0.08	0.248	0.300
	WCDMA IV	RMC 12.2Kbps	Front	15mm	Ant 1	DSI3	Full	1513	1752.6	23.94	25.00	1.276	-0.04	0.295	0.377
59	WCDMA IV	RMC 12.2Kbps	Back	15mm	Ant 1	DSI3	Full	1513	1752.6	23.94	25.00	1.276	-0.1	0.519	0.662
	WCDMA IV	RMC 12.2Kbps	Front	15mm	Ant 5	DSI3	Full	1513	1752.6	23.07	24.50	1.390	0.09	0.250	0.347
	WCDMA IV	RMC 12.2Kbps	Back	15mm	Ant 5	DSI3	Full	1513	1752.6	23.07	24.50	1.390	-0.05	0.369	0.513
	WCDMA II	RMC 12.2Kbps	Front	15mm	Ant 1	DSI1	Reduced	9400	1880	21.81	22.50	1.172	-0.17	0.098	0.115
	WCDMA II	RMC 12.2Kbps	Back	15mm	Ant 1	DSI1	Reduced	9400	1880	21.81	22.50	1.172	-0.18	0.254	0.298
	WCDMA II	RMC 12.2Kbps	Front	15mm	Ant 1	DSI3	Full	9400	1880	23.86	25.00	1.300	-0.09	0.186	0.242
60	WCDMA II	RMC 12.2Kbps	Back	15mm	Ant 1	DSI3	Full	9400	1880	23.86	25.00	1.300	-0.08	0.522	0.679
	WCDMA II	RMC 12.2Kbps	Front	15mm	Ant 5	DSI3	Full	9400	1880	23.05	24.00	1.245	0.16	0.208	0.259
	WCDMA II	RMC 12.2Kbps	Back	15mm	Ant 5	DSI3	Full	9400	1880	23.05	24.00	1.245	-0.15	0.298	0.371



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12	10M	QPSK	1	25	Front	15mm	Ant 0	DS11	Full	23095	707.5	24.68	26.00	1.355	-0.08	0.134	0.182
	LTE Band 12	10M	QPSK	1	25	Back	15mm	Ant 0	DS11	Full	23095	707.5	24.68	26.00	1.355	0.05	0.160	0.217
	LTE Band 12	10M	QPSK	25	12	Front	15mm	Ant 0	DS11	Full	23095	707.5	23.62	25.00	1.374	0.19	0.104	0.143
	LTE Band 12	10M	QPSK	25	12	Back	15mm	Ant 0	DS11	Full	23095	707.5	23.62	25.00	1.374	-0.08	0.126	0.173
	LTE Band 12	10M	QPSK	1	25	Front	15mm	Ant 2	DS13	Full	23095	707.5	24.12	25.50	1.374	0.16	0.324	0.445
61	LTE Band 12	10M	QPSK	1	25	Back	15mm	Ant 2	DS13	Full	23095	707.5	24.12	25.50	1.374	-0.08	0.376	0.517
	LTE Band 12	10M	QPSK	25	12	Front	15mm	Ant 2	DS13	Full	23095	707.5	22.96	24.50	1.426	0.07	0.251	0.358
	LTE Band 12	10M	QPSK	25	12	Back	15mm	Ant 2	DS13	Full	23095	707.5	22.96	24.50	1.426	-0.08	0.278	0.396
	LTE Band 13	10M	QPSK	1	25	Front	15mm	Ant 0	DS11	Full	23230	782	24.33	25.50	1.309	0.05	0.182	0.238
	LTE Band 13	10M	QPSK	1	25	Back	15mm	Ant 0	DS11	Full	23230	782	24.33	25.50	1.309	0.09	0.212	0.278
	LTE Band 13	10M	QPSK	25	12	Front	15mm	Ant 0	DS11	Full	23230	782	23.48	24.50	1.265	-0.18	0.141	0.178
	LTE Band 13	10M	QPSK	25	12	Back	15mm	Ant 0	DS11	Full	23230	782	23.48	24.50	1.265	-0.17	0.162	0.205
	LTE Band 13	10M	QPSK	1	25	Front	15mm	Ant 2	DS13	Full	23230	782	23.75	25.00	1.334	0.19	0.350	0.467
62	LTE Band 13	10M	QPSK	1	25	Back	15mm	Ant 2	DS13	Full	23230	782	23.75	25.00	1.334	-0.04	0.451	0.601
	LTE Band 13	10M	QPSK	25	12	Front	15mm	Ant 2	DS13	Full	23230	782	22.75	24.00	1.334	0.11	0.274	0.365
	LTE Band 13	10M	QPSK	25	12	Back	15mm	Ant 2	DS13	Full	23230	782	22.75	24.00	1.334	-0.03	0.347	0.463
	LTE Band 5	10M	QPSK	1	25	Front	15mm	Ant 0	DS11	Reduced	20525	836.5	23.29	24.50	1.321	-0.12	0.140	0.185
	LTE Band 5	10M	QPSK	1	25	Back	15mm	Ant 0	DS11	Reduced	20525	836.5	23.29	24.50	1.321	-0.1	0.225	0.297
	LTE Band 5	10M	QPSK	1	25	Front	15mm	Ant 0	DS13	Full	20525	836.5	24.87	26.00	1.297	-0.11	0.199	0.258
63	LTE Band 5	10M	QPSK	1	25	Back	15mm	Ant 0	DS13	Full	20525	836.5	24.87	26.00	1.297	-0.09	0.326	0.423
	LTE Band 5	10M	QPSK	25	12	Front	15mm	Ant 0	DS11	Reduced	20525	836.5	23.25	24.50	1.334	0.02	0.135	0.180
	LTE Band 5	10M	QPSK	25	12	Back	15mm	Ant 0	DS11	Reduced	20525	836.5	23.25	24.50	1.334	0.05	0.222	0.296
	LTE Band 5	10M	QPSK	1	25	Front	15mm	Ant 2	DS13	Reduced	20525	836.5	20.89	22.00	1.291	-0.15	0.219	0.283
	LTE Band 5	10M	QPSK	1	25	Back	15mm	Ant 2	DS13	Reduced	20525	836.5	20.89	22.00	1.291	0.1	0.275	0.355
	LTE Band 5	10M	QPSK	25	12	Front	15mm	Ant 2	DS13	Reduced	20525	836.5	20.85	22.00	1.303	-0.19	0.222	0.289
	LTE Band 5	10M	QPSK	25	12	Back	15mm	Ant 2	DS13	Reduced	20525	836.5	20.85	22.00	1.303	0.1	0.285	0.371
	LTE Band 5_EN-DC	10M	QPSK	1	25	Front	15mm	Ant 0	DS11	Reduced	20525	836.5	23.29	24.50	1.321	-0.12	0.140	0.185
	LTE Band 5_EN-DC	10M	QPSK	1	25	Back	15mm	Ant 0	DS11	Reduced	20525	836.5	23.29	24.50	1.321	-0.1	0.225	0.297
	LTE Band 5_EN-DC	10M	QPSK	1	25	Front	15mm	Ant 0	DS13	Full	20525	836.5	24.87	26.00	1.297	-0.11	0.199	0.258
	LTE Band 5_EN-DC	10M	QPSK	1	25	Back	15mm	Ant 0	DS13	Full	20525	836.5	24.87	26.00	1.297	-0.09	0.326	0.423
	LTE Band 5_EN-DC	10M	QPSK	25	12	Front	15mm	Ant 0	DS11	Reduced	20525	836.5	23.25	24.50	1.334	0.02	0.135	0.180
	LTE Band 5_EN-DC	10M	QPSK	25	12	Back	15mm	Ant 0	DS11	Reduced	20525	836.5	23.25	24.50	1.334	0.05	0.222	0.296
	LTE Band 5_EN-DC	10M	QPSK	1	25	Front	15mm	Ant 2	DS13	Reduced	20525	836.5	20.89	22.00	1.291	-0.15	0.219	0.283
	LTE Band 5_EN-DC	10M	QPSK	1	25	Back	15mm	Ant 2	DS13	Reduced	20525	836.5	20.89	22.00	1.291	0.1	0.275	0.355
	LTE Band 5_EN-DC	10M	QPSK	25	12	Front	15mm	Ant 2	DS13	Reduced	20525	836.5	20.85	22.00	1.303	-0.19	0.222	0.289
	LTE Band 5_EN-DC	10M	QPSK	25	12	Back	15mm	Ant 2	DS13	Reduced	20525	836.5	20.85	22.00	1.303	0.1	0.285	0.371
	LTE Band 26	15M	QPSK	1	0	Front	15mm	Ant 0	DS11	Full	26865	831.5	24.99	26.00	1.262	-0.16	0.248	0.313
64	LTE Band 26	15M	QPSK	1	0	Back	15mm	Ant 0	DS11	Full	26865	831.5	24.99	26.00	1.262	-0.14	0.264	0.333
	LTE Band 26	15M	QPSK	36	20	Front	15mm	Ant 0	DS11	Full	26865	831.5	23.80	25.00	1.318	-0.11	0.215	0.283
	LTE Band 26	15M	QPSK	36	20	Back	15mm	Ant 0	DS11	Full	26865	831.5	23.80	25.00	1.318	0.09	0.237	0.312
	LTE Band 26	15M	QPSK	1	0	Front	15mm	Ant 2	DS13	Full	26865	831.5	23.96	25.50	1.426	0.11	0.133	0.190
	LTE Band 26	15M	QPSK	1	0	Back	15mm	Ant 2	DS13	Full	26865	831.5	23.96	25.50	1.426	0.18	0.171	0.244
	LTE Band 26	15M	QPSK	36	20	Front	15mm	Ant 2	DS13	Full	26865	831.5	22.89	24.50	1.449	-0.11	0.131	0.190
	LTE Band 26	15M	QPSK	36	20	Back	15mm	Ant 2	DS13	Full	26865	831.5	22.89	24.50	1.449	-0.15	0.152	0.220
	LTE Band 4	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Full	20175	1732.5	23.42	24.50	1.282	-0.14	0.131	0.168
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	20175	1732.5	23.42	24.50	1.282	0.15	0.122	0.156
	LTE Band 4	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Full	20175	1732.5	22.47	23.50	1.268	0.12	0.105	0.133
	LTE Band 4	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Full	20175	1732.5	22.47	23.50	1.268	-0.06	0.096	0.122
	LTE Band 4	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	20175	1732.5	21.12	22.00	1.225	0.19	0.150	0.184
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	20175	1732.5	21.12	22.00	1.225	-0.12	0.202	0.247
	LTE Band 4	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	20175	1732.5	25.03	26.00	1.250	-0.06	0.396	0.495
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	20175	1732.5	25.03	26.00	1.250	-0.04	0.487	0.609



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	LTE Band 4	20M	QPSK	50	24	Front	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	0.08	0.148	0.182
	LTE Band 4	20M	QPSK	50	24	Back	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	-0.13	0.198	0.244
	LTE Band 4	20M	QPSK	1	49	Front	15mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	-0.1	0.190	0.217
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	0.16	0.263	0.301
	LTE Band 4	20M	QPSK	50	24	Front	15mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.1	0.163	0.188
	LTE Band 4	20M	QPSK	50	24	Back	15mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.06	0.214	0.246
	LTE Band 4	20M	QPSK	1	49	Front	15mm	Ant 5	DSI3	Full	20175	1732.5	23.37	24.50	1.297	0.1	0.299	0.388
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 5	DSI3	Full	20175	1732.5	23.37	24.50	1.297	-0.16	0.456	0.592
	LTE Band 4	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	20175	1732.5	22.39	23.50	1.291	0.01	0.237	0.306
	LTE Band 4	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	20175	1732.5	22.39	23.50	1.291	0.1	0.326	0.421
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 0	DSI1	Full	20175	1732.5	24.38	25.50	1.294	-0.19	0.148	0.192
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 0	DSI1	Full	20175	1732.5	24.38	25.50	1.294	-0.12	0.120	0.155
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 0	DSI1	Full	20175	1732.5	23.36	24.50	1.300	-0.02	0.109	0.142
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 0	DSI1	Full	20175	1732.5	23.36	24.50	1.300	-0.08	0.096	0.125
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 5	DSI3	Full	20175	1732.5	25.05	26.00	1.245	0.05	0.306	0.381
65	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 5	DSI3	Full	20175	1732.5	25.05	26.00	1.245	0.06	0.520	0.647
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	20175	1732.5	24.11	25.00	1.227	-0.13	0.240	0.295
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	20175	1732.5	24.11	25.00	1.227	-0.04	0.443	0.544
	LTE Band 4_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.12	22.00	1.225	0.19	0.150	0.184
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.12	22.00	1.225	-0.12	0.202	0.247
	LTE Band 4_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 1	DSI3	Full	20175	1732.5	25.03	26.00	1.250	-0.06	0.396	0.495
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	20175	1732.5	25.03	26.00	1.250	-0.04	0.487	0.609
	LTE Band 4_inter-CA	20M	QPSK	50	24	Front	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	0.08	0.148	0.182
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	15mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	-0.13	0.198	0.244
	LTE Band 4_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	-0.1	0.190	0.217
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	0.16	0.263	0.301
	LTE Band 4_inter-CA	20M	QPSK	50	24	Front	15mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.1	0.163	0.188
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	15mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.06	0.214	0.246
	LTE Band 66	20M	QPSK	1	49	Front	15mm	Ant 0	DSI1	Full	132572	1770	22.39	23.50	1.291	-0.14	0.059	0.076
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 0	DSI1	Full	132572	1770	22.39	23.50	1.291	0.13	0.092	0.119
	LTE Band 66	20M	QPSK	50	0	Front	15mm	Ant 0	DSI1	Full	132572	1770	21.46	22.50	1.271	0.15	0.047	0.060
	LTE Band 66	20M	QPSK	50	0	Back	15mm	Ant 0	DSI1	Full	132572	1770	21.46	22.50	1.271	0.06	0.074	0.094
	LTE Band 66	20M	QPSK	1	49	Front	15mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	0.11	0.131	0.147
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	-0.02	0.188	0.211
	LTE Band 66	20M	QPSK	1	49	Front	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	-0.13	0.166	0.188
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	0.04	0.412	0.465
	LTE Band 66	20M	QPSK	50	24	Front	15mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	0.01	0.130	0.148
	LTE Band 66	20M	QPSK	50	24	Back	15mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	-0.03	0.168	0.191
	LTE Band 66	20M	QPSK	1	49	Front	15mm	Ant 3	DSI3	Full	132572	1770	23.51	24.00	1.119	-0.15	0.128	0.143
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 3	DSI3	Full	132572	1770	23.51	24.00	1.119	0.11	0.149	0.167
	LTE Band 66	20M	QPSK	50	24	Front	15mm	Ant 3	DSI3	Full	132572	1770	22.77	23.00	1.054	0.09	0.104	0.110
	LTE Band 66	20M	QPSK	50	24	Back	15mm	Ant 3	DSI3	Full	132572	1770	22.77	23.00	1.054	0.11	0.125	0.132
	LTE Band 66	20M	QPSK	1	49	Front	15mm	Ant 5	DSI3	Full	132572	1770	22.40	23.50	1.288	0.05	0.156	0.201
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 5	DSI3	Full	132572	1770	22.40	23.50	1.288	0.06	0.271	0.349
	LTE Band 66	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	132572	1770	21.54	22.50	1.247	-0.11	0.126	0.157
	LTE Band 66	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	132572	1770	21.54	22.50	1.247	-0.15	0.183	0.228
	LTE Band 66_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 1	Reduced	132572	1770	20.50	21.00	1.122	0.11	0.131	0.147
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 1	Reduced	132572	1770	20.50	21.00	1.122	-0.02	0.168	0.188
	LTE Band 66_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 3	Full	132572	1770	23.97	24.50	1.130	-0.13	0.166	0.188
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 3	Full	132572	1770	23.97	24.50	1.130	0.04	0.412	0.465
	LTE Band 66_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DSI 1	Reduced	132572	1770	20.44	21.00	1.138	0.01	0.130	0.148
	LTE Band 66_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DSI 1	Reduced	132572	1770	20.44	21.00	1.138	-0.03	0.168	0.191
	LTE Band 66_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DSI 3	Full	132572	1770	23.51	24.00	1.119	-0.15	0.128	0.143
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DSI 3	Full	132572	1770	23.51	24.00	1.119	0.11	0.149	0.167
	LTE Band 66_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DSI 3	Full	132572	1770	22.77	23.00	1.054	0.09	0.104	0.110
	LTE Band 66_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DSI 3	Full	132572	1770	22.77	23.00	1.054	0.11	0.125	0.132



	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Full	132322	1745	23.41	24.00	1.146	-0.15	0.114	0.131
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	132322	1745	23.41	24.00	1.146	-0.02	0.109	0.125
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Full	132322	1745	22.92	24.00	1.282	0.05	0.116	0.149
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Full	132322	1745	22.92	24.00	1.282	0.15	0.101	0.130
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 5	DS13	Full	132322	1745	23.84	24.50	1.164	0.11	0.267	0.311
66	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	132322	1745	23.84	24.50	1.164	-0.1	0.477	0.555
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 5	DS13	Full	132322	1745	23.32	24.50	1.312	0.11	0.204	0.268
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 5	DS13	Full	132322	1745	23.32	24.50	1.312	0.08	0.305	0.400
	LTE Band 2	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	19100	1900	22.13	22.50	1.089	-0.05	0.168	0.183
	LTE Band 2	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	19100	1900	22.13	22.50	1.089	-0.12	0.255	0.278
	LTE Band 2	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	19100	1900	23.99	24.50	1.125	0.15	0.224	0.252
67	LTE Band 2	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	19100	1900	23.99	24.50	1.125	-0.02	0.409	0.460
	LTE Band 2	20M	QPSK	50	24	Front	15mm	Ant 1	DS11	Reduced	19100	1900	22.03	22.50	1.114	0.02	0.163	0.182
	LTE Band 2	20M	QPSK	50	24	Back	15mm	Ant 1	DS11	Reduced	19100	1900	22.03	22.50	1.114	-0.14	0.254	0.283
	LTE Band 2	20M	QPSK	50	24	Front	15mm	Ant 1	DS13	Full	19100	1900	22.95	23.50	1.135	0.07	0.181	0.205
	LTE Band 2	20M	QPSK	50	24	Back	15mm	Ant 1	DS13	Full	19100	1900	22.95	23.50	1.135	0.11	0.365	0.414
	LTE Band 2	20M	QPSK	1	49	Front	15mm	Ant 3	DS13	Full	19100	1900	23.83	24.50	1.167	0.17	0.132	0.154
	LTE Band 2	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	19100	1900	23.83	24.50	1.167	0.14	0.176	0.205
	LTE Band 2	20M	QPSK	50	24	Front	15mm	Ant 3	DS13	Full	19100	1900	22.68	23.50	1.208	-0.08	0.108	0.130
	LTE Band 2	20M	QPSK	50	24	Back	15mm	Ant 3	DS13	Full	19100	1900	22.68	23.50	1.208	-0.02	0.143	0.173
	LTE Band 2_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	19100	1900	22.13	22.50	1.089	-0.05	0.168	0.183
	LTE Band 2_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	19100	1900	22.13	22.50	1.089	-0.12	0.255	0.278
	LTE Band 2_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	19100	1900	23.99	24.50	1.125	0.15	0.224	0.252
	LTE Band 2_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	19100	1900	23.99	24.50	1.125	-0.02	0.409	0.460
	LTE Band 2_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DS11	Reduced	19100	1900	22.03	22.50	1.114	0.02	0.163	0.182
	LTE Band 2_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DS11	Reduced	19100	1900	22.03	22.50	1.114	-0.14	0.254	0.283
	LTE Band 2_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DS13	Full	19100	1900	22.95	23.50	1.135	0.07	0.181	0.205
	LTE Band 2_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DS13	Full	19100	1900	22.95	23.50	1.135	0.11	0.365	0.414
	LTE Band 2_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DS13	Full	19100	1900	23.83	24.50	1.167	0.17	0.132	0.154
	LTE Band 2_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	19100	1900	23.83	24.50	1.167	0.14	0.176	0.205
	LTE Band 2_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DS13	Full	19100	1900	22.68	23.50	1.208	-0.08	0.108	0.130
	LTE Band 2_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DS13	Full	19100	1900	22.68	23.50	1.208	-0.02	0.143	0.173
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Reduced	21350	2560	20.74	22.00	1.337	0.06	0.079	0.106
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Reduced	21350	2560	20.74	22.00	1.337	-0.03	0.122	0.163
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 0	DS13	Full	21350	2560	21.74	23.00	1.337	0.02	0.090	0.120
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 0	DS13	Full	21350	2560	21.74	23.00	1.337	0.02	0.141	0.188
	LTE Band 7C	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	21350 +21152	2560 +2540.2	21.34	23.00	1.466	0.03	0.121	0.177
	LTE Band 7	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Reduced	21350	2560	20.74	22.00	1.337	-0.17	0.073	0.098
	LTE Band 7	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Reduced	21350	2560	20.74	22.00	1.337	0.15	0.121	0.162
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	21350	2560	20.31	21.00	1.172	-0.13	0.111	0.130
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	21350	2560	20.31	21.00	1.172	-0.07	0.138	0.162
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	21350	2560	24.24	25.00	1.191	-0.09	0.172	0.205
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	21350	2560	24.24	25.00	1.191	-0.03	0.469	0.559
	LTE Band 7C	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	21350 +21152	2560 +2540.2	23.75	25.00	1.334	0.05	0.412	0.549
	LTE Band 7	20M	QPSK	50	24	Front	15mm	Ant 1	DS11	Reduced	21350	2560	20.30	21.00	1.175	-0.18	0.102	0.120
	LTE Band 7	20M	QPSK	50	24	Back	15mm	Ant 1	DS11	Reduced	21350	2560	20.30	21.00	1.175	0.16	0.130	0.153
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 3	DS13	Full	21350	2560	23.72	24.50	1.197	-0.08	0.307	0.367
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	21350	2560	23.72	24.50	1.197	-0.04	0.499	0.597
	LTE Band 7C	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	21350 +21152	2560 +2540.2	23.46	24.50	1.271	0.01	0.423	0.537
	LTE Band 7	20M	QPSK	50	24	Front	15mm	Ant 3	DS13	Full	21350	2560	22.66	23.50	1.213	-0.02	0.240	0.291
	LTE Band 7	20M	QPSK	50	24	Back	15mm	Ant 3	DS13	Full	21350	2560	22.66	23.50	1.213	0.11	0.363	0.440
	LTE Band 7	20M	QPSK	1	49	Front	15mm	Ant 5	DS13	Full	21350	2560	21.79	22.50	1.178	0.15	0.227	0.267
	LTE Band 7	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	21350	2560	21.79	22.50	1.178	-0.14	0.393	0.463
	LTE Band 7C	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	21350 +21152	2560 +2540.2	21.74	22.50	1.191	0.12	0.329	0.392



	LTE Band 7	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	21350	2560	20.80	21.50	1.175	0.12	0.175	0.206
	LTE Band 7	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	21350	2560	20.80	21.50	1.175	-0.03	0.308	0.362
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DSI 1	Reduced	21350	2560	22.65	24.00	1.365	0.14	0.089	0.121
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DSI 1	Reduced	21350	2560	22.65	24.00	1.365	-0.09	0.198	0.270
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DSI 3	Full	21350	2560	23.73	25.00	1.340	-0.13	0.116	0.155
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DSI 3	Full	21350	2560	23.73	25.00	1.340	0.14	0.220	0.295
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 0	DSI 1	Reduced	21350	2560	22.63	24.00	1.371	-0.02	0.127	0.174
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 0	DSI 1	Reduced	21350	2560	22.63	24.00	1.371	0.07	0.166	0.228
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 1	Reduced	21350	2560	19.31	20.50	1.315	0.14	0.126	0.166
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 1	Reduced	21350	2560	19.31	20.50	1.315	0.05	0.178	0.234
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 3	Full	21350	2560	23.38	24.50	1.294	-0.12	0.417	0.540
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 3	Full	21350	2560	23.38	24.50	1.294	-0.03	0.455	0.589
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DSI 1	Reduced	21350	2560	19.26	20.50	1.330	0.19	0.121	0.161
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DSI 1	Reduced	21350	2560	19.26	20.50	1.330	0.13	0.169	0.225
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.08	23.00	1.236	0.16	0.286	0.353
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.08	23.00	1.236	0.15	0.431	0.533
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.03	23.00	1.250	0.14	0.290	0.363
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.03	23.00	1.250	0.12	0.365	0.456
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 5	DSI 3	Reduced	21350	2560	23.08	24.00	1.236	-0.18	0.288	0.356
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 5	DSI 3	Reduced	21350	2560	23.08	24.00	1.236	-0.15	0.484	0.598
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 5	DSI 3	Reduced	21350	2560	23.02	24.00	1.253	0.06	0.319	0.400
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 5	DSI 3	Reduced	21350	2560	23.02	24.00	1.253	-0.11	0.373	0.467
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DSI 1	Reduced	21350	2560	20.74	22.00	1.337	0.06	0.079	0.106
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DSI 1	Reduced	21350	2560	20.74	22.00	1.337	-0.03	0.122	0.163
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DSI 3	Full	21350	2560	21.74	23.00	1.337	0.02	0.090	0.120
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DSI 3	Full	21350	2560	21.74	23.00	1.337	0.02	0.141	0.188
	LTE Band 7_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 0	DSI 1	Reduced	21350	2560	20.74	22.00	1.337	-0.17	0.073	0.098
	LTE Band 7_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 0	DSI 1	Reduced	21350	2560	20.74	22.00	1.337	0.15	0.121	0.162
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 1	Reduced	21350	2560	20.31	21.00	1.172	-0.13	0.111	0.130
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 1	Reduced	21350	2560	20.31	21.00	1.172	-0.07	0.138	0.162
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 3	Full	21350	2560	24.24	25.00	1.191	-0.09	0.172	0.205
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 3	Full	21350	2560	24.24	25.00	1.191	-0.03	0.469	0.559
	LTE Band 7_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DSI 1	Reduced	21350	2560	20.30	21.00	1.175	-0.18	0.102	0.120
	LTE Band 7_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DSI 1	Reduced	21350	2560	20.30	21.00	1.175	0.16	0.130	0.153
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DSI 3	Reduced	21350	2560	23.26	24.00	1.186	-0.03	0.246	0.292
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DSI 3	Reduced	21350	2560	23.26	24.00	1.186	-0.02	0.458	0.543
	LTE Band 7_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.66	23.50	1.213	0.04	0.203	0.246
	LTE Band 7_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DSI 3	Reduced	21350	2560	22.66	23.50	1.213	0.15	0.244	0.296
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 5	DSI 3	Full	21350	2560	21.79	22.50	1.178	0.15	0.227	0.267
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 5	DSI 3	Full	21350	2560	21.79	22.50	1.178	-0.14	0.393	0.463
	LTE Band 7_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 5	DSI 3	Full	21350	2560	20.80	21.50	1.175	0.12	0.175	0.206
	LTE Band 7_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 5	DSI 3	Full	21350	2560	20.80	21.50	1.175	-0.03	0.308	0.362
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 0	DSI1	Reduced	21350	2560	22.65	24.00	1.365	0.14	0.089	0.121
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 0	DSI1	Reduced	21350	2560	22.65	24.00	1.365	-0.09	0.198	0.270
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 0	DSI3	Full	21350	2560	23.73	25.00	1.340	-0.13	0.116	0.155
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 0	DSI3	Full	21350	2560	23.73	25.00	1.340	0.14	0.220	0.295
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 0	DSI1	Reduced	21350	2560	22.63	24.00	1.371	-0.02	0.087	0.119
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 0	DSI1	Reduced	21350	2560	22.63	24.00	1.371	0.07	0.166	0.228
	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Front	15mm	Ant 5	DSI3	Full	21350	2560	24.14	25.00	1.219	-0.08	0.375	0.457
68	LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Back	15mm	Ant 5	DSI3	Full	21350	2560	24.14	25.00	1.219	-0.11	0.627	0.764
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	21350	2560	23.10	24.00	1.230	-0.14	0.326	0.401
	LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	21350	2560	23.10	24.00	1.230	-0.11	0.431	0.530
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 0	DSI1	Reduced	21350	2560	22.65	24.00	1.365	0.14	0.089	0.121
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 0	DSI1	Reduced	21350	2560	22.65	24.00	1.365	-0.09	0.198	0.270
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 0	DSI3	Full	21350	2560	23.73	25.00	1.340	-0.13	0.116	0.155
	LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 0	DSI3	Full	21350	2560	23.73	25.00	1.340	0.14	0.220	0.295



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LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Reduced	21350	2560	22.63	24.00	1.371	-0.02	0.087	0.119
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Reduced	21350	2560	22.63	24.00	1.371	0.07	0.166	0.228
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Front	15mm	Ant 5	DS13	Reduced	21350	2560	23.08	24.00	1.236	-0.18	0.288	0.356
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Reduced	21350	2560	23.08	24.00	1.236	-0.15	0.484	0.598
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Front	15mm	Ant 5	DS13	Reduced	21350	2560	23.02	24.00	1.253	0.06	0.319	0.400
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Back	15mm	Ant 5	DS13	Reduced	21350	2560	23.02	24.00	1.253	-0.11	0.373	0.467

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	0.12	0.048	0.068
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.05	0.056	0.080
	LTE Band 38C	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	37901+38099	2585.1+2604.9	21.75	23.50	1.496	62.9	1.006	0.08	0.085	0.128
	LTE Band 38	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	-0.16	0.039	0.054
	LTE Band 38	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.05	0.045	0.062
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.07	0.189	0.221
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	-0.09	0.214	0.251
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	38000	2595	24.65	25.50	1.216	62.9	1.006	0.17	0.257	0.314
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	38000	2595	24.65	25.50	1.216	62.9	1.006	-0.16	0.340	0.416
	LTE Band 38C	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	37901+38099	2585.1+2604.9	24.32	25.50	1.312	62.9	1.006	-0.13	0.296	0.391
	LTE Band 38	20M	QPSK	50	24	Front	15mm	Ant 1	DS11	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.06	0.180	0.212
	LTE Band 38	20M	QPSK	50	24	Back	15mm	Ant 1	DS11	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.12	0.210	0.247
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 3	DS13	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.03	0.212	0.282
69	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.05	0.318	0.424
	LTE Band 38C	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	37901+38099	2585.1+2604.9	23.62	25.00	1.374	62.9	1.006	0.04	0.300	0.415
	LTE Band 38	20M	QPSK	50	24	Front	15mm	Ant 3	DS13	Full	38000	2595	22.75	24.00	1.334	62.9	1.006	0.08	0.169	0.227
	LTE Band 38	20M	QPSK	50	24	Back	15mm	Ant 3	DS13	Full	38000	2595	22.75	24.00	1.334	62.9	1.006	0.01	0.225	0.302
	LTE Band 38	20M	QPSK	1	49	Front	15mm	Ant 5	DS13	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.08	0.156	0.224
	LTE Band 38	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	-0.14	0.259	0.371
	LTE Band 38C	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	37901+38099	2585.1+2604.9	21.73	23.50	1.503	62.9	1.006	0.07	0.234	0.354
	LTE Band 38	20M	QPSK	50	24	Front	15mm	Ant 5	DS13	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	-0.11	0.125	0.179
	LTE Band 38	20M	QPSK	50	24	Back	15mm	Ant 5	DS13	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	0.02	0.206	0.295
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	0.12	0.048	0.068
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	38000	2595	21.99	23.50	1.416	62.9	1.006	-0.05	0.056	0.080
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	-0.16	0.039	0.054
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 0	DS11	Full	38000	2595	21.14	22.50	1.368	62.9	1.006	0.05	0.045	0.062
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DS11	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	0.07	0.189	0.221
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DS11	Reduced	38000	2595	22.34	23.00	1.164	62.9	1.006	-0.09	0.214	0.251
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DS13	Full	38000	2595	24.65	25.50	1.216	62.9	1.006	0.17	0.257	0.314
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	38000	2595	24.65	25.50	1.216	62.9	1.006	-0.16	0.340	0.416
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DS11	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.06	0.180	0.212
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DS11	Reduced	38000	2595	22.32	23.00	1.169	62.9	1.006	0.12	0.210	0.247
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DS13	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.03	0.212	0.282
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DS13	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.05	0.318	0.424
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DS13	Full	38000	2595	22.75	24.00	1.334	62.9	1.006	0.08	0.169	0.227
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DS13	Full	38000	2595	22.75	24.00	1.334	62.9	1.006	0.01	0.225	0.302
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 5	DS13	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.08	0.156	0.224
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 5	DS13	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	-0.14	0.259	0.371
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 5	DS13	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	-0.11	0.125	0.179
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 5	DS13	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	0.02	0.206	0.295
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 0	DS11	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.01	0.081	0.113
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 0	DS11	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.04	0.129	0.180
	LTE Band 41	20M	QPSK	50	24	Front	15mm	Ant 0	DS11	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.05	0.065	0.089

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Report No. : FA190306

	LTE Band 41	20M	QPSK	50	24	Back	15mm	Ant 0	DSI1	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.04	0.108	0.149
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 1	DSI1	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.04	0.114	0.131
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 1	DSI1	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.1	0.179	0.206
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 1	DSI3	Full	40620	2593	25.24	26.00	1.191	62.9	1.006	0.06	0.211	0.253
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	40620	2593	25.24	26.00	1.191	62.9	1.006	0.19	0.226	0.271
	LTE Band 41	20M	QPSK	50	24	Front	15mm	Ant 1	DSI1	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.12	0.107	0.123
	LTE Band 41	20M	QPSK	50	24	Back	15mm	Ant 1	DSI1	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	-0.12	0.155	0.179
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 3	DSI3	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.19	0.240	0.300
70	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 3	DSI3	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.1	0.326	0.408
	LTE Band 41	20M	QPSK	50	24	Front	15mm	Ant 3	DSI3	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	-0.12	0.191	0.237
	LTE Band 41	20M	QPSK	50	24	Back	15mm	Ant 3	DSI3	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	0.04	0.323	0.402
	LTE Band 41	20M	QPSK	1	49	Front	15mm	Ant 5	DSI3	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	-0.18	0.161	0.199
	LTE Band 41	20M	QPSK	1	49	Back	15mm	Ant 5	DSI3	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.14	0.308	0.380
	LTE Band 41	20M	QPSK	50	24	Front	15mm	Ant 5	DSI3	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	-0.13	0.129	0.155
	LTE Band 41	20M	QPSK	50	24	Back	15mm	Ant 5	DSI3	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	0.03	0.245	0.295
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 0	DSI 1	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.01	0.081	0.113
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 0	DSI 1	Full	40620	2593	22.59	24.00	1.384	62.9	1.006	0.04	0.129	0.180
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 0	DSI 1	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.05	0.065	0.089
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 0	DSI 1	Full	40620	2593	21.64	23.00	1.368	62.9	1.006	-0.04	0.108	0.149
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 1	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.04	0.114	0.131
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 1	Reduced	40620	2593	22.42	23.00	1.143	62.9	1.006	0.1	0.179	0.206
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 1	DSI 3	Full	40620	2593	25.24	26.00	1.191	62.9	1.006	0.06	0.211	0.253
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI 3	Full	40620	2593	25.24	26.00	1.191	62.9	1.006	0.19	0.226	0.271
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 1	DSI 1	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	0.12	0.107	0.123
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 1	DSI 1	Reduced	40620	2593	22.41	23.00	1.146	62.9	1.006	-0.12	0.155	0.179
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 3	DSI 3	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.19	0.240	0.300
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 3	DSI 3	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.1	0.326	0.408
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 3	DSI 3	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	-0.12	0.191	0.237
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 3	DSI 3	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	0.04	0.323	0.402
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	15mm	Ant 5	DSI 3	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	-0.18	0.161	0.199
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 5	DSI 3	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.14	0.308	0.380
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	15mm	Ant 5	DSI 3	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	-0.13	0.129	0.155
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	15mm	Ant 5	DSI 3	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	0.03	0.245	0.295
	LTE Band 42	20M	QPSK	1	0	Front	15mm	Ant 2	DSI3	Reduced	42590	3500	21.16	22.00	1.213	62.9	1.006	0.03	0.074	0.090
	LTE Band 42	20M	QPSK	1	0	Back	15mm	Ant 2	DSI3	Reduced	42590	3500	21.16	22.00	1.213	62.9	1.006	0.1	0.169	0.206
	LTE Band 42	20M	QPSK	50	0	Front	15mm	Ant 2	DSI3	Reduced	42590	3500	21.01	22.00	1.256	62.9	1.006	-0.19	0.060	0.076
	LTE Band 42	20M	QPSK	50	0	Back	15mm	Ant 2	DSI3	Reduced	42590	3500	21.01	22.00	1.256	62.9	1.006	-0.14	0.141	0.178
	LTE Band 42	20M	QPSK	1	0	Front	15mm	Ant 4	DSI3	Full	42590	3500	22.95	24.00	1.274	62.9	1.006	0.14	0.107	0.137
	LTE Band 42	20M	QPSK	1	0	Back	15mm	Ant 4	DSI3	Full	42590	3500	22.95	24.00	1.274	62.9	1.006	-0.13	0.300	0.384
	LTE Band 42	20M	QPSK	50	0	Front	15mm	Ant 4	DSI3	Full	42590	3500	21.97	23.00	1.268	62.9	1.006	-0.09	0.085	0.108
	LTE Band 42	20M	QPSK	50	0	Back	15mm	Ant 4	DSI3	Full	42590	3500	21.97	23.00	1.268	62.9	1.006	-0.02	0.233	0.297
	LTE Band 42	20M	QPSK	1	0	Front	15mm	Ant 6	DSI3	Full	42590	3500	24.91	25.50	1.146	62.9	1.006	0.16	0.209	0.241
71	LTE Band 42	20M	QPSK	1	0	Back	15mm	Ant 6	DSI3	Full	42590	3500	24.91	25.50	1.146	62.9	1.006	-0.15	0.339	0.391
	LTE Band 42	20M	QPSK	50	0	Front	15mm	Ant 6	DSI3	Full	42590	3500	23.90	24.50	1.148	62.9	1.006	-0.11	0.170	0.196
	LTE Band 42	20M	QPSK	50	0	Back	15mm	Ant 6	DSI3	Full	42590	3500	23.90	24.50	1.148	62.9	1.006	0.06	0.277	0.320
	LTE Band 42	20M	QPSK	1	0	Front	15mm	Ant 11	DSI3	Full	42590	3500	22.95	23.50	1.135	62.9	1.006	0.1	0.025	0.029
	LTE Band 42	20M	QPSK	1	0	Back	15mm	Ant 11	DSI3	Full	42590	3500	22.95	23.50	1.135	62.9	1.006	-0.07	0.289	0.330
	LTE Band 42	20M	QPSK	50	0	Front	15mm	Ant 11	DSI3	Full	42590	3500	21.99	22.50	1.125	62.9	1.006	-0.06	0.021	0.024
	LTE Band 42	20M	QPSK	50	0	Back	15mm	Ant 11	DSI3	Full	42590	3500	21.99	22.50	1.125	62.9	1.006	0.09	0.235	0.266



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	N5	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI1	Reduced	167300	836.5	22.64	23.50	1.219	-0.03	0.150	0.183
	N5	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI1	Reduced	167300	836.5	22.64	23.50	1.219	0.07	0.183	0.223
	N5	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI3	Full	167300	836.5	24.62	25.50	1.225	-0.08	0.272	0.333
72	N5	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI3	Full	167300	836.5	24.62	25.50	1.225	0.04	0.318	0.389
	N5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI1	Reduced	167300	836.5	22.61	23.50	1.227	0.08	0.145	0.178
	N5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI1	Reduced	167300	836.5	22.61	23.50	1.227	0.12	0.179	0.220
	N5	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 2	DSI3	Reduced	167300	836.5	20.97	22.00	1.268	0.04	0.153	0.194
	N5	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 2	DSI3	Reduced	167300	836.5	20.97	22.00	1.268	-0.14	0.175	0.222
	N5	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 2	DSI3	Reduced	167300	836.5	20.91	22.00	1.285	-0.12	0.160	0.206
	N5	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 2	DSI3	Reduced	167300	836.5	20.91	22.00	1.285	-0.11	0.218	0.280
	N5_NSA	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI 1	Reduced	167300	836.5	22.64	23.50	1.219	-0.03	0.150	0.183
	N5_NSA	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI 1	Reduced	167300	836.5	22.64	23.50	1.219	0.07	0.183	0.223
	N5_NSA	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI 3	Full	167300	836.5	24.62	25.50	1.225	-0.08	0.272	0.333
	N5_NSA	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI 3	Full	167300	836.5	24.62	25.50	1.225	0.04	0.318	0.389
	N5_NSA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI 1	Reduced	167300	836.5	22.61	23.50	1.227	0.08	0.145	0.178
	N5_NSA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI 1	Reduced	167300	836.5	22.61	23.50	1.227	0.12	0.179	0.220
	N5_NSA	20M	BPSK	1	53	DFT-15	Front	15mm	Ant 2	DSI 3	Reduced	167300	836.5	20.97	22.00	1.268	0.04	0.153	0.194
	N5_NSA	20M	BPSK	1	53	DFT-15	Back	15mm	Ant 2	DSI 3	Reduced	167300	836.5	20.97	22.00	1.268	-0.14	0.175	0.222
	N5_NSA	20M	BPSK	50	28	DFT-15	Front	15mm	Ant 2	DSI 3	Reduced	167300	836.5	20.91	22.00	1.285	-0.12	0.160	0.206
	N5_NSA	20M	BPSK	50	28	DFT-15	Back	15mm	Ant 2	DSI 3	Reduced	167300	836.5	20.91	22.00	1.285	-0.11	0.218	0.280
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI1	Full	349000	1745	22.78	24.00	1.324	-0.15	0.151	0.200
	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI1	Full	349000	1745	22.78	24.00	1.324	-0.01	0.119	0.158
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI1	Full	349000	1745	22.67	24.00	1.358	0.11	0.151	0.205
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI1	Full	349000	1745	22.67	24.00	1.358	-0.16	0.121	0.164
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI1	Reduced	349000	1745	22.30	23.50	1.318	-0.14	0.232	0.306
	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI1	Reduced	349000	1745	22.30	23.50	1.318	-0.18	0.247	0.326
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 1	DSI3	Full	349000	1745	23.78	24.50	1.180	0.06	0.292	0.345
	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 1	DSI3	Full	349000	1745	23.78	24.50	1.180	-0.13	0.402	0.474
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 1	DSI1	Reduced	349000	1745	22.24	23.50	1.337	0.1	0.215	0.287
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 1	DSI1	Reduced	349000	1745	22.24	23.50	1.337	0.13	0.234	0.313
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 3	DSI3	Full	349000	1745	23.58	24.50	1.236	-0.11	0.167	0.206
	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 3	DSI3	Full	349000	1745	23.58	24.50	1.236	0.01	0.209	0.258
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI3	Full	349000	1745	23.54	24.50	1.247	0.17	0.148	0.185
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI3	Full	349000	1745	23.54	24.50	1.247	0.04	0.197	0.246
	N66	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 5	DSI3	Full	349000	1745	24.05	24.50	1.109	-0.05	0.304	0.337
73	N66	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 5	DSI3	Full	349000	1745	24.05	24.50	1.109	0.03	0.463	0.514
	N66	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 5	DSI3	Full	349000	1745	23.99	24.50	1.125	0.08	0.273	0.307
	N66	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 5	DSI3	Full	349000	1745	23.99	24.50	1.125	-0.16	0.380	0.427
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 0	DSI 1	Full	349000	1745	22.78	24.00	1.324	-0.15	0.151	0.200
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 0	DSI 1	Full	349000	1745	22.78	24.00	1.324	-0.01	0.119	0.158
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 0	DSI 1	Full	349000	1745	22.67	24.00	1.358	0.11	0.151	0.205
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 0	DSI 1	Full	349000	1745	22.67	24.00	1.358	-0.16	0.121	0.164
	N66_NSA	40M	BPSK	1	108	DFT-15	Front	15mm	Ant 5	DSI 3	Full	349000	1745	24.05	24.50	1.109	-0.05	0.304	0.337
	N66_NSA	40M	BPSK	1	108	DFT-15	Back	15mm	Ant 5	DSI 3	Full	349000	1745	24.05	24.50	1.109	0.03	0.463	0.514
	N66_NSA	40M	BPSK	108	54	DFT-15	Front	15mm	Ant 5	DSI 3	Full	349000	1745	23.99	24.50	1.125	0.08	0.273	0.307
	N66_NSA	40M	BPSK	108	54	DFT-15	Back	15mm	Ant 5	DSI 3	Full	349000	1745	23.99	24.50	1.125	-0.16	0.380	0.427
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 0	DSI1	Reduced	509000	2545	21.52	22.50	1.253	-0.17	0.088	0.110
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 0	DSI1	Reduced	509000	2545	21.52	22.50	1.253	-0.06	0.199	0.249
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 0	DSI3	Full	509000	2545	23.77	24.50	1.183	0.06	0.177	0.209
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 0	DSI3	Full	509000	2545	23.77	24.50	1.183	0.1	0.258	0.305
	N7	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 0	DSI1	Reduced	509000	2545	21.45	22.50	1.274	0.02	0.081	0.103
	N7	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 0	DSI1	Reduced	509000	2545	21.45	22.50	1.274	-0.03	0.131	0.167



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	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI1	Reduced	509000	2545	17.12	18.00	1.225	0.03	0.079	0.097
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI1	Reduced	509000	2545	17.12	18.00	1.225	0.17	0.117	0.143
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.03	0.363	0.422
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.05	0.387	0.449
	N7	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 1	DSI1	Reduced	509000	2545	17.02	18.00	1.253	0.03	0.073	0.091
	N7	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 1	DSI1	Reduced	509000	2545	17.02	18.00	1.253	-0.08	0.112	0.140
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	0.02	0.414	0.491
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	-0.05	0.426	0.505
	N7	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 3	DSI3	Full	509000	2545	23.71	24.50	1.199	-0.16	0.429	0.515
	N7	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 3	DSI3	Full	509000	2545	23.71	24.50	1.199	0.05	0.439	0.527
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 5	DSI3	Full	509000	2545	24.30	25.00	1.175	0.03	0.418	0.491
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 5	DSI3	Full	509000	2545	24.30	25.00	1.175	-0.07	0.587	0.690
	N7	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 5	DSI3	Full	509000	2545	24.17	25.00	1.211	-0.03	0.401	0.485
74	N7	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 5	DSI3	Full	509000	2545	24.17	25.00	1.211	-0.07	0.659	0.798
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 0	DSI 1	Reduced	509000	2545	21.52	22.50	1.253	-0.17	0.088	0.110
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 0	DSI 1	Reduced	509000	2545	21.52	22.50	1.253	-0.06	0.199	0.249
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 0	DSI 3	Full	509000	2545	23.77	24.50	1.183	0.06	0.177	0.209
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 0	DSI 3	Full	509000	2545	23.77	24.50	1.183	0.1	0.258	0.305
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 0	DSI 1	Reduced	509000	2545	21.45	22.50	1.274	0.02	0.081	0.103
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 0	DSI 1	Reduced	509000	2545	21.45	22.50	1.274	-0.03	0.131	0.167
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI 1	Reduced	509000	2545	17.12	18.00	1.225	0.03	0.079	0.097
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI 1	Reduced	509000	2545	17.12	18.00	1.225	0.17	0.117	0.143
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI 3	Full	509000	2545	24.35	25.00	1.161	0.03	0.363	0.422
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI 3	Full	509000	2545	24.35	25.00	1.161	0.05	0.387	0.449
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 1	DSI 1	Reduced	509000	2545	17.02	18.00	1.253	0.03	0.073	0.091
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 1	DSI 1	Reduced	509000	2545	17.02	18.00	1.253	-0.08	0.112	0.140
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 3	DSI 3	Full	509000	2545	23.76	24.50	1.186	0.02	0.414	0.491
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 3	DSI 3	Full	509000	2545	23.76	24.50	1.186	-0.05	0.426	0.505
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 3	DSI 3	Full	509000	2545	23.71	24.50	1.199	-0.16	0.429	0.515
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 3	DSI 3	Full	509000	2545	23.71	24.50	1.199	0.05	0.439	0.527
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 5	DSI 3	Reduced	509000	2545	22.74	23.50	1.191	0.03	0.277	0.330
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 5	DSI 3	Reduced	509000	2545	22.74	23.50	1.191	-0.07	0.427	0.509
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 5	DSI 3	Reduced	509000	2545	22.68	23.50	1.208	-0.03	0.264	0.319
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 5	DSI 3	Reduced	509000	2545	22.68	23.50	1.208	-0.02	0.417	0.504
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 0	DSI1	Reduced	519000	2595	21.45	22.50	1.274	-0.1	0.096	0.122
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 0	DSI1	Reduced	519000	2595	21.45	22.50	1.274	0.12	0.131	0.167
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 0	DSI3	Full	519000	2595	24.84	25.50	1.164	0.08	0.229	0.267
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 0	DSI3	Full	519000	2595	24.84	25.50	1.164	-0.07	0.292	0.340
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 0	DSI1	Reduced	519000	2595	21.41	22.50	1.285	-0.11	0.090	0.116
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 0	DSI1	Reduced	519000	2595	21.41	22.50	1.285	-0.06	0.122	0.157
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 1	DSI1	Reduced	519000	2595	20.20	20.50	1.072	0.07	0.137	0.147
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 1	DSI1	Reduced	519000	2595	20.20	20.50	1.072	0.17	0.164	0.176
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 1	DSI3	Full	519000	2595	25.13	25.50	1.089	0.06	0.383	0.417
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 1	DSI3	Full	519000	2595	25.13	25.50	1.089	0.19	0.615	0.670
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 1	DSI1	Reduced	519000	2595	20.12	20.50	1.091	0.17	0.134	0.146
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 1	DSI1	Reduced	519000	2595	20.12	20.50	1.091	-0.18	0.159	0.174
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 3	DSI3	Full	519000	2595	24.86	25.50	1.159	-0.15	0.450	0.521
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 3	DSI3	Full	519000	2595	24.86	25.50	1.159	0.12	0.604	0.700
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 3	DSI3	Full	519000	2595	23.87	25.50	1.455	-0.04	0.453	0.659
	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 3	DSI3	Full	519000	2595	23.87	25.50	1.455	-0.14	0.604	0.879
	N38	40M	BPSK	100	0	DFT-30	Back	15mm	Ant 3	DSI3	Full	519000	2595	23.15	25.00	1.531	0.02	0.566	0.867
	N38	40M	BPSK	1	53	DFT-30	Front	15mm	Ant 5	DSI3	Full	519000	2595	25.16	26.00	1.213	-0.18	0.467	0.567
	N38	40M	BPSK	1	53	DFT-30	Back	15mm	Ant 5	DSI3	Full	519000	2595	25.16	26.00	1.213	-0.11	0.715	0.868
	N38	40M	BPSK	50	28	DFT-30	Front	15mm	Ant 5	DSI3	Full	519000	2595	25.05	26.00	1.245	-0.13	0.472	0.587
75	N38	40M	BPSK	50	28	DFT-30	Back	15mm	Ant 5	DSI3	Full	519000	2595	25.05	26.00	1.245	-0.02	0.836	1.040
	N38	40M	BPSK	100	0	DFT-30	Back	15mm	Ant 5	DSI3	Full	519000	2595	24.57	25.50	1.239	0.08	0.728	0.902



	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DS11	Reduced	518598	2592.99	22.99	24.00	1.262	-0.05	0.136	0.172
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DS11	Reduced	518598	2592.99	22.99	24.00	1.262	0.01	0.179	0.226
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 0	DS13	Full	518598	2592.99	25.06	25.50	1.107	0.12	0.216	0.239
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 0	DS13	Full	518598	2592.99	25.06	25.50	1.107	-0.06	0.323	0.357
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 0	DS11	Reduced	518598	2592.99	22.84	24.00	1.306	-0.16	0.128	0.167
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 0	DS11	Reduced	518598	2592.99	22.84	24.00	1.306	-0.01	0.171	0.223
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DS11	Reduced	518598	2592.99	19.54	20.50	1.247	0.02	0.111	0.138
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DS11	Reduced	518598	2592.99	19.54	20.50	1.247	-0.16	0.189	0.236
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 1	DS13	Full	518598	2592.99	24.99	25.50	1.125	0.13	0.400	0.450
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DS13	Full	518598	2592.99	24.99	25.50	1.125	-0.16	0.632	0.711
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 1	DS11	Reduced	518598	2592.99	19.46	20.50	1.271	-0.16	0.102	0.130
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 1	DS11	Reduced	518598	2592.99	19.46	20.50	1.271	0.05	0.169	0.215
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 3	DS13	Full	518598	2592.99	24.54	25.50	1.247	-0.17	0.477	0.595
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 3	DS13	Full	518598	2592.99	24.54	25.50	1.247	0.05	0.548	0.684
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 3	DS13	Full	518598	2592.99	24.51	25.50	1.256	0.14	0.462	0.580
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 3	DS13	Full	518598	2592.99	24.51	25.50	1.256	-0.19	0.633	0.795
	N41	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 3	DS13	Full	518598	2592.99	23.82	25.00	1.312	0.13	0.528	0.693
	N41	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 5	DS13	Full	518598	2592.99	25.12	26.00	1.225	-0.14	0.496	0.607
76	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 5	DS13	Full	518598	2592.99	25.12	26.00	1.225	0.02	0.749	0.917
	N41	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 5	DS13	Full	518598	2592.99	25.11	26.00	1.227	-0.05	0.478	0.587
	N41	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 5	DS13	Full	518598	2592.99	25.11	26.00	1.227	-0.04	0.743	0.912
	N41	100M	BPSK	270	0	DFT-30	Front	15mm	Ant 5	DS13	Full	518598	2592.99	24.42	25.50	1.282	0.05	0.428	0.549
	N41	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 5	DS13	Full	518598	2592.99	24.42	25.50	1.282	0.17	0.646	0.828
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DS13	Reduced	633334	3500.01	18.54	19.50	1.247	-0.08	0.155	0.193
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DS13	Reduced	633334	3500.01	18.54	19.50	1.247	0.19	0.095	0.118
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DS13	Reduced	633334	3500.01	18.53	19.50	1.250	0.04	0.067	0.084
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DS13	Reduced	633334	3500.01	18.53	19.50	1.250	0.02	0.109	0.136
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DS13	Reduced	656000	3840	18.88	19.50	1.153	-0.11	0.103	0.119
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DS13	Reduced	656000	3840	18.88	19.50	1.153	-0.12	0.132	0.152
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DS13	Reduced	656000	3840	18.81	19.50	1.172	-0.16	0.098	0.115
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DS13	Reduced	656000	3840	18.81	19.50	1.172	-0.08	0.155	0.182
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DS13	Full	633334	3500.01	23.11	24.00	1.227	-0.06	0.178	0.218
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DS13	Full	633334	3500.01	23.11	24.00	1.227	0.03	0.603	0.740
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DS13	Full	633334	3500.01	23.09	24.00	1.233	-0.18	0.186	0.229
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DS13	Full	633334	3500.01	23.09	24.00	1.233	0.15	0.452	0.557
	N77_Part 27Q	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 4	DS13	Full	633334	3500.01	22.35	23.50	1.303	0.09	0.488	0.636
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DS13	Full	656000	3840	23.02	24.00	1.253	-0.03	0.084	0.105
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DS13	Full	656000	3840	23.02	24.00	1.253	-0.18	0.391	0.490
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DS13	Full	656000	3840	23.01	24.00	1.256	0.13	0.086	0.108
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DS13	Full	656000	3840	23.01	24.00	1.256	0.11	0.455	0.571
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DS13	Reduced	633334	3500.01	23.13	24.00	1.222	0.03	0.239	0.292
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DS13	Reduced	633334	3500.01	23.13	24.00	1.222	-0.06	0.352	0.430
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DS13	Reduced	633334	3500.01	23.03	24.00	1.250	0.04	0.260	0.325
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DS13	Reduced	633334	3500.01	23.03	24.00	1.250	0.18	0.382	0.478
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DS13	Reduced	656000	3840	23.08	24.00	1.236	-0.07	0.315	0.389
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DS13	Reduced	656000	3840	23.08	24.00	1.236	-0.14	0.652	0.806
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DS13	Reduced	656000	3840	22.96	24.00	1.271	-0.07	0.325	0.413
77	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DS13	Reduced	656000	3840	22.96	24.00	1.271	-0.06	0.814	1.034
	N77_Part 27O	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 6	DS13	Reduced	656000	3840	22.93	24.00	1.279	0.04	0.684	0.875
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DS13	Reduced	633334	3500.01	18.95	20.50	1.429	0.17	0.019	0.027
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DS13	Reduced	633334	3500.01	18.95	20.50	1.429	0.18	0.184	0.263
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DS13	Reduced	633334	3500.01	18.85	20.50	1.462	-0.17	0.020	0.029
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DS13	Reduced	633334	3500.01	18.85	20.50	1.462	0.06	0.205	0.300
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DS13	Reduced	656000	3840	19.58	20.50	1.236	-	n/a	n/a
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DS13	Reduced	656000	3840	19.58	20.50	1.236	-0.07	0.549	0.679
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DS13	Reduced	656000	3840	19.56	20.50	1.242	-	n/a	n/a



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	N77_Part 270	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	656000	3840	19.56	20.50	1.242	-0.14	0.735	0.913
	N77_Part 270	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	656000	3840	19.33	20.50	1.309	0.15	0.550	0.720
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI3	Reduced	633334	3500.01	19.86	20.50	1.159	-0.1	0.068	0.079
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI3	Reduced	633334	3500.01	19.86	20.50	1.159	-0.15	0.126	0.146
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI3	Reduced	633334	3500.01	19.84	20.50	1.164	-0.11	0.068	0.079
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI3	Reduced	633334	3500.01	19.84	20.50	1.164	0.15	0.132	0.154
	N78_Part 270	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI3	Reduced	650000	3750	20.05	20.50	1.109	0.13	0.082	0.091
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI3	Reduced	650000	3750	20.05	20.50	1.109	-0.06	0.130	0.144
	N78_Part 270	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI3	Reduced	650000	3750	20.01	20.50	1.119	0.09	0.082	0.092
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI3	Reduced	650000	3750	20.01	20.50	1.119	0.01	0.135	0.151
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI3	Full	633334	3500.01	23.05	24.00	1.245	0.1	0.199	0.248
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI3	Full	633334	3500.01	23.05	24.00	1.245	-0.1	0.509	0.633
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI3	Full	633334	3500.01	23.02	24.00	1.253	-0.1	0.212	0.266
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI3	Full	633334	3500.01	23.02	24.00	1.253	0.08	0.663	0.831
	N78_Part 27Q	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 4	DSI3	Full	633334	3500.01	22.42	23.50	1.282	-0.05	0.504	0.646
	N78_Part 270	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI3	Full	650000	3750	23.18	24.00	1.208	-0.14	0.109	0.132
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI3	Full	650000	3750	23.18	24.00	1.208	0.09	0.405	0.489
	N78_Part 270	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI3	Full	650000	3750	23.12	24.00	1.225	-0.09	0.171	0.209
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI3	Full	650000	3750	23.12	24.00	1.225	0.07	0.252	0.309
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI3	Reduced	633334	3500.01	23.98	25.00	1.265	-0.05	0.247	0.312
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	633334	3500.01	23.98	25.00	1.265	0.1	0.460	0.582
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI3	Reduced	633334	3500.01	23.90	25.00	1.288	0.19	0.262	0.338
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	633334	3500.01	23.90	25.00	1.288	-0.18	0.448	0.577
	N78_Part 270	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	-0.07	0.422	0.517
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	0.1	0.729	0.893
	N78_Part 270	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	0.04	0.430	0.527
78	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	-0.08	0.892	1.092
	N78_Part 270	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	650000	3750	23.93	24.50	1.140	-0.12	0.720	0.821
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DSI3	Reduced	633334	3500.01	19.86	21.00	1.300	-	n/a	n/a
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	633334	3500.01	19.86	21.00	1.300	0.01	0.271	0.352
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DSI3	Reduced	633334	3500.01	19.82	21.00	1.312	-	n/a	n/a
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	633334	3500.01	19.82	21.00	1.312	-0.05	0.266	0.349
	N78_Part 270	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DSI3	Reduced	650000	3750	20.41	21.00	1.146	0.02	0.038	0.044
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	650000	3750	20.41	21.00	1.146	0.07	0.743	0.851
	N78_Part 270	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DSI3	Reduced	650000	3750	20.36	21.00	1.159	0.16	0.058	0.067
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	650000	3750	20.36	21.00	1.159	-0.11	0.877	1.016
	N78_Part 270	100M	BPSK	270	0	DFT-30	Back	15mm	Ant 11	DSI3	Reduced	650000	3750	20.22	21.00	1.197	0.04	0.683	0.817
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI 3	Reduced	633334	3500.01	19.86	20.50	1.159	-0.1	0.068	0.079
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI 3	Reduced	633334	3500.01	19.86	20.50	1.159	-0.15	0.126	0.146
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 3	Reduced	633334	3500.01	19.84	20.50	1.164	-0.11	0.068	0.079
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 3	Reduced	633334	3500.01	19.84	20.50	1.164	0.15	0.132	0.154
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI 3	Reduced	650000	3750	20.05	20.50	1.109	0.13	0.082	0.091
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI 3	Reduced	650000	3750	20.05	20.50	1.109	-0.06	0.130	0.144
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 3	Reduced	650000	3750	20.01	20.50	1.119	0.09	0.082	0.092
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 3	Reduced	650000	3750	20.01	20.50	1.119	0.01	0.135	0.151
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.52	22.50	1.253	-0.03	0.129	0.162
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.52	22.50	1.253	0.07	0.341	0.427
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.51	22.50	1.256	0.06	0.125	0.157
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.51	22.50	1.256	-0.12	0.388	0.487
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 3	Reduced	650000	3750	21.71	22.50	1.199	0.04	0.068	0.082
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 3	Reduced	650000	3750	21.71	22.50	1.199	0.07	0.297	0.356
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 3	Reduced	650000	3750	21.70	22.50	1.202	-0.09	0.070	0.084
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 3	Reduced	650000	3750	21.70	22.50	1.202	0.13	0.297	0.357
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.65	22.50	1.216	0.06	0.156	0.190
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.65	22.50	1.216	-0.01	0.213	0.259
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.61	22.50	1.227	0.06	0.178	0.218

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FCC ID : 2AFZZ16UG

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N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.61	22.50	1.227	0.07	0.369	0.453
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 3	Reduced	650000	3750	21.73	22.50	1.194	0.09	0.176	0.210
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 3	Reduced	650000	3750	21.73	22.50	1.194	0.06	0.499	0.596
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 3	Reduced	650000	3750	21.69	22.50	1.205	0.04	0.179	0.216
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 3	Reduced	650000	3750	21.69	22.50	1.205	0.03	0.554	0.668
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DSI 3	Reduced	633334	3500.01	17.66	18.50	1.213	0.09	0.080	0.097
N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DSI 3	Reduced	633334	3500.01	17.66	18.50	1.213	0.06	0.109	0.132
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DSI 3	Reduced	633334	3500.01	17.65	18.50	1.216	0.04	0.091	0.111
N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DSI 3	Reduced	633334	3500.01	17.65	18.50	1.216	0.02	0.137	0.167
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Front	15mm	Ant 11	DSI 3	Reduced	650000	3750	17.76	18.50	1.186	0.07	0.130	0.154
N78_Part 27O_NSA	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 11	DSI 3	Reduced	650000	3750	17.76	18.50	1.186	-0.03	0.481	0.570
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Front	15mm	Ant 11	DSI 3	Reduced	650000	3750	17.73	18.50	1.194	0.04	0.132	0.158
N78_Part 27O_NSA	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 11	DSI 3	Reduced	650000	3750	17.73	18.50	1.194	-0.09	0.373	0.445

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	-0.03	0.055	0.070
79	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 8	Full	1	2412	16.50	17.50	1.259	99.6	1.004	-0.19	0.073	0.092
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	-0.09	0.049	0.061
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 9	Full	6	2437	17.10	18.00	1.230	99.6	1.004	0.19	0.068	0.084

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN5.2GHz	802.11ax-HE40 MCS0	Front	15mm	Ant 8	Full	46	5230	17.90	19.50	1.445	92.4	1.082	-0.14	0.155	0.242
	WLAN5.2GHz	802.11ax-HE40 MCS0	Back	15mm	Ant 8	Full	46	5230	17.90	19.50	1.445	92.4	1.082	0.02	0.050	0.078
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Front	15mm	Ant 9	Full	46	5230	18.80	20.00	1.318	100	1.000	-0.19	0.100	0.132
	WLAN5.2GHz	802.11ac-VHT40 MCS0	Back	15mm	Ant 9	Full	46	5230	18.80	20.00	1.318	100	1.000	0.05	0.088	0.116
80	WLAN5.2GHz	802.11n-HT40 MCS0	Front	15mm	Ant 8+9	Full	46	5230	21.20	23.00	1.514	100	1.000	0.06	0.253	0.383
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	15mm	Ant 8+9	Full	46	5230	21.20	23.00	1.514	100	1.000	0.1	0.116	0.176
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	0.07	0.189	0.263
	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	0.09	0.087	0.121
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	0.06	0.096	0.143
	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	0.03	0.051	0.076
81	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	-0.06	0.259	0.380
	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.07	0.159	0.233
	WLAN5.8GHz	802.11ax-HE40 MCS0	Front	15mm	Ant 8	Full	159	5795	18.90	20.50	1.445	92.4	1.082	0.09	0.166	0.260
	WLAN5.8GHz	802.11ax-HE40 MCS0	Back	15mm	Ant 8	Full	159	5795	18.90	20.50	1.445	92.4	1.082	0.07	0.083	0.130
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 8	Simultaneous	159	5795	16.30	17.50	1.318	93.6	1.068	-0.01	0.154	0.217
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 8	Simultaneous	159	5795	16.30	17.50	1.318	93.6	1.068	0.05	0.101	0.142
	WLAN5.8GHz	802.11ax-HE40 MCS0	Front	15mm	Ant 9	Full	159	5795	19.00	20.50	1.413	92.4	1.082	0.13	0.063	0.096
	WLAN5.8GHz	802.11ax-HE40 MCS0	Back	15mm	Ant 9	Full	159	5795	19.00	20.50	1.413	92.4	1.082	0.15	0.079	0.121
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 9	Simultaneous	159	5795	16.40	17.50	1.288	93.6	1.068	0.04	0.064	0.088
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 9	Simultaneous	159	5795	16.40	17.50	1.288	93.6	1.068	0.02	0.080	0.110
82	WLAN5.8GHz	802.11ax-HE40 MCS0	Front	15mm	Ant 8+9	Full	159	5795	21.96	23.50	1.426	92.4	1.082	-0.06	0.424	0.654
	WLAN5.8GHz	802.11ax-HE40 MCS0	Back	15mm	Ant 8+9	Full	159	5795	21.96	23.50	1.426	92.4	1.082	0.07	0.310	0.478
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 8+9	Simultaneous	159	5795	19.36	20.50	1.300	93.6	1.068	0.04	0.263	0.365
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 8+9	Simultaneous	159	5795	19.36	20.50	1.300	93.6	1.068	-0.05	0.186	0.258



<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	-0.06	0.011	0.016
83	Bluetooth	DH5 1Mbps	Back	15mm	Ant 8	Full	39	2441	18.41	19.00	1.146	76.45	1.308	0.02	0.025	0.037



15.4 Product Specific SAR

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	DS11	Reduced	1513	1752.6	22.18	23.00	1.208	0.03	1.800	2.174
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	DS11	Reduced	1312	1712.4	22.17	23.00	1.211	-0.14	1.740	2.106
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 1	DS11	Reduced	1413	1732.6	22.08	23.00	1.236	-0.14	1.770	2.188
	WCDMA IV	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	DS11	Reduced	1513	1752.6	22.18	23.00	1.208	0.17	1.360	1.643
	WCDMA IV	RMC 12.2Kbps	Back	15mm	Ant 1	DS13	Full	1413	1732.6	23.86	25.00	1.300	-0.13	0.267	0.347
	WCDMA IV	RMC 12.2Kbps	Bottom Side	15mm	Ant 1	DS13	Full	1513	1752.6	23.94	25.00	1.276	-0.07	0.364	0.465
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	1513	1752.6	22.48	24.00	1.419	0.17	1.730	2.455
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	1312	1712.4	22.37	24.00	1.455	0.17	1.640	2.387
	WCDMA IV	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	1413	1732.6	22.43	24.00	1.435	0.13	1.670	2.397
84	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	1513	1752.6	22.48	24.00	1.419	-0.06	1.890	2.682
	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	1312	1712.4	22.37	24.00	1.455	0.17	1.560	2.271
	WCDMA IV	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	1413	1732.6	22.43	24.00	1.435	0.13	1.630	2.340
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 5	DS13	Full	1513	1752.6	23.07	24.50	1.390	-0.01	0.852	1.184
	WCDMA IV	RMC 12.2Kbps	Top Side	5mm	Ant 5	DS13	Full	1513	1752.6	23.07	24.50	1.390	0.04	0.838	1.165
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	DS11	Reduced	9400	1880	21.81	22.50	1.172	-0.09	1.300	1.524
	WCDMA II	RMC 12.2Kbps	Bottom Side	15mm	Ant 1	DS13	Full	9400	1880	23.86	25.00	1.300	0.01	0.338	0.439
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	9400	1880	22.61	23.50	1.227	0.19	1.760	2.160
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	9262	1852.4	22.57	23.50	1.239	-0.15	1.790	2.217
	WCDMA II	RMC 12.2Kbps	Back	0mm	Ant 5	DS11	Reduced	9538	1907.6	22.43	23.50	1.279	0.19	1.750	2.239
85	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	9400	1880	22.61	23.50	1.227	0.06	1.950	2.394
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	9262	1852.4	22.57	23.50	1.239	0.19	1.530	1.895
	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 5	DS11	Reduced	9538	1907.6	22.43	23.50	1.279	-0.15	1.590	2.034
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 5	DS13	Full	9538	1907.6	22.89	24.00	1.291	-0.12	0.839	1.083
	WCDMA II	RMC 12.2Kbps	Top Side	5mm	Ant 5	DS13	Full	9400	1880	23.05	24.00	1.245	-0.1	0.827	1.029

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
86	LTE Band 12	10M	QPSK	1	25	Left Side	0mm	Ant 2	DS11	Full	23095	707.5	24.12	25.50	1.374	-0.05	1.060	1.456
	LTE Band 12	10M	QPSK	25	12	Left Side	0mm	Ant 2	DS11	Full	23095	707.5	22.96	24.50	1.426	-0.15	0.870	1.240
87	LTE Band 13	10M	QPSK	1	25	Back	0mm	Ant 2	DS11	Full	23230	782	23.75	25.00	1.334	-0.06	1.120	1.494
	LTE Band 13	10M	QPSK	1	25	Left Side	0mm	Ant 2	DS11	Full	23230	782	23.75	25.00	1.334	0.11	0.756	1.008
	LTE Band 13	10M	QPSK	25	12	Back	0mm	Ant 2	DS11	Full	23230	782	22.75	24.00	1.334	0.07	0.784	1.045
	LTE Band 13	10M	QPSK	25	12	Left Side	0mm	Ant 2	DS11	Full	23230	782	22.75	24.00	1.334	-0.1	0.362	0.483
88	LTE Band 5	10M	QPSK	1	25	Left Side	0mm	Ant 2	DS11	Reduced	20525	836.5	20.89	22.00	1.291	0.05	0.602	0.777
	LTE Band 5	10M	QPSK	25	12	Left Side	0mm	Ant 2	DS11	Reduced	20525	836.5	20.85	22.00	1.303	-0.09	0.581	0.757
	LTE Band 5_EN-DC	10M	QPSK	1	25	Left Side	0mm	Ant 2	DS1 1	Reduced	20525	836.5	20.89	22.00	1.291	0.05	0.602	0.777
	LTE Band 5_EN-DC	10M	QPSK	25	12	Left Side	0mm	Ant 2	DS1 1	Reduced	20525	836.5	20.85	22.00	1.303	-0.09	0.581	0.757
	LTE Band 4	20M	QPSK	1	49	Back	0mm	Ant 1	DS11	Reduced	20175	1732.5	21.12	22.00	1.225	-0.09	1.260	1.543
	LTE Band 4	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DS11	Reduced	20175	1732.5	21.12	22.00	1.225	-0.17	0.899	1.101
	LTE Band 4	20M	QPSK	1	49	Back	15mm	Ant 1	DS13	Full	20175	1732.5	25.03	26.00	1.250	-0.18	0.331	0.414
	LTE Band 4	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DS13	Full	20175	1732.5	25.03	26.00	1.250	-0.1	0.436	0.545
	LTE Band 4	20M	QPSK	50	24	Back	0mm	Ant 1	DS11	Reduced	20175	1732.5	21.09	22.00	1.233	0.09	1.450	1.788
	LTE Band 4	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DS11	Reduced	20175	1732.5	21.09	22.00	1.233	0.04	0.902	1.112
	LTE Band 4	20M	QPSK	50	24	Back	15mm	Ant 1	DS13	Full	20175	1732.5	24.05	25.00	1.245	-0.15	0.262	0.326
	LTE Band 4	20M	QPSK	50	24	Bottom Side	15mm	Ant 1	DS13	Full	20175	1732.5	24.05	25.00	1.245	-0.14	0.343	0.427
	LTE Band 4	20M	QPSK	1	49	Back	0mm	Ant 3	DS11	Reduced	20175	1732.5	22.55	23.00	1.109	0.03	1.190	1.320
	LTE Band 4	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	20175	1732.5	22.55	23.00	1.109	-0.09	1.400	1.553
	LTE Band 4	20M	QPSK	1	49	Back	5mm	Ant 3	DS13	Full	20175	1732.5	24.92	25.50	1.143	0.09	0.842	0.962



FCC SAR Test Report

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	LTE Band 4	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	0.18	0.894	1.022
	LTE Band 4	20M	QPSK	50	24	Back	0mm	Ant 3	DSI1	Reduced	20175	1732.5	22.55	23.00	1.109	0.05	1.100	1.220
	LTE Band 4	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	20175	1732.5	22.55	23.00	1.109	0.11	1.530	1.697
	LTE Band 4	20M	QPSK	50	24	Left Side	5mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.04	0.717	0.825
	LTE Band 4	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.26	23.00	1.186	-0.01	1.770	2.099
	LTE Band 4	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	20175	1732.5	23.37	24.50	1.297	0.13	1.120	1.453
89	LTE Band 4	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.21	23.00	1.199	-0.13	1.850	2.219
	LTE Band 4	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI3	Full	20175	1732.5	22.39	23.50	1.291	0.07	0.902	1.165
	LTE Band 4	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.04	23.00	1.247	0.03	1.720	2.145
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.18	23.00	1.208	-0.18	1.830	2.210
	LTE Band 4_Other PA_DL CA	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	20175	1732.5	25.05	26.00	1.245	-0.12	1.430	1.780
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.17	23.00	1.211	-0.15	1.770	2.143
	LTE Band 4_Other PA_DL CA	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI3	Full	20175	1732.5	24.11	25.00	1.227	0.1	1.110	1.362
	LTE Band 4_Other PA_DL CA	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI1	Reduced	20175	1732.5	22.16	23.00	1.213	0.02	1.660	2.014
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	0mm	Ant 1	DSI1	Reduced	20175	1732.5	21.12	22.00	1.225	-0.09	1.260	1.543
	LTE Band 4_inter-CA	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DSI1	Reduced	20175	1732.5	21.12	22.00	1.225	-0.17	0.899	1.101
	LTE Band 4_inter-CA	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	20175	1732.5	25.03	26.00	1.250	-0.18	0.331	0.414
	LTE Band 4_inter-CA	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DSI3	Full	20175	1732.5	25.03	26.00	1.250	-0.1	0.436	0.545
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	0mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	0.09	1.450	1.788
	LTE Band 4_inter-CA	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI1	Reduced	20175	1732.5	21.09	22.00	1.233	0.04	0.902	1.112
	LTE Band 4_inter-CA	20M	QPSK	50	24	Back	15mm	Ant 1	DSI3	Full	20175	1732.5	24.05	25.00	1.245	-0.15	0.262	0.326
	LTE Band 4_inter-CA	20M	QPSK	50	24	Bottom Side	15mm	Ant 1	DSI3	Full	20175	1732.5	24.05	25.00	1.245	-0.14	0.343	0.427
	LTE Band 4_inter-CA	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	20175	1732.5	22.55	23.00	1.109	-0.09	1.400	1.553
	LTE Band 4_inter-CA	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	20175	1732.5	24.92	25.50	1.143	0.18	0.894	1.022
	LTE Band 4_inter-CA	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	20175	1732.5	22.55	23.00	1.109	0.11	1.530	1.697
	LTE Band 4_inter-CA	20M	QPSK	50	24	Left Side	5mm	Ant 3	DSI3	Full	20175	1732.5	23.89	24.50	1.151	-0.04	0.717	0.825
	LTE Band 66	20M	QPSK	1	49	Back	0mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	0.11	1.200	1.346
	LTE Band 66	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	-0.01	0.625	0.701
	LTE Band 66	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	0.08	0.850	0.960
	LTE Band 66	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	0.08	0.527	0.595
	LTE Band 66	20M	QPSK	50	24	Back	0mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	0.06	1.090	1.240
	LTE Band 66	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	0.13	0.611	0.695
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	0mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	0.11	1.200	1.346
	LTE Band 66_EN-DC	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DSI1	Reduced	132572	1770	20.50	21.00	1.122	-0.01	0.625	0.701
	LTE Band 66_EN-DC	20M	QPSK	1	49	Back	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	0.08	0.850	0.960
	LTE Band 66_EN-DC	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DSI3	Full	132572	1770	23.97	24.50	1.130	0.08	0.527	0.595
	LTE Band 66_EN-DC	20M	QPSK	50	24	Back	0mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	0.06	1.090	1.240
	LTE Band 66_EN-DC	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI1	Reduced	132572	1770	20.44	21.00	1.138	0.13	0.611	0.695
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	132322	1745	21.09	22.00	1.233	0.03	1.750	2.158
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	132072	1720	20.93	22.00	1.279	0.04	1.680	2.149
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	132572	1770	21.06	22.00	1.242	0.03	1.630	2.024
	LTE Band 66_Other PA_DL CA	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	132322	1745	23.84	24.50	1.164	-0.08	1.400	1.630
90	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	132322	1745	21.02	22.00	1.253	0.05	1.890	2.368
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	132072	1720	20.93	22.00	1.279	0.02	1.640	2.098
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	132572	1770	21.00	22.00	1.259	0.07	1.770	2.228
	LTE Band 66_Other PA_DL CA	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI3	Full	132322	1745	23.32	24.50	1.312	-0.09	1.020	1.338
	LTE Band 66_Other PA_DL CA	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI1	Reduced	132322	1745	20.95	22.00	1.274	0.06	1.760	2.241
	LTE Band 7	20M	QPSK	1	49	Right Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	0.05	0.432	0.577
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.11	0.945	1.263
	LTE Band 7C	20M	QPSK	1	49	Bottom Side	0mm	Ant 0	DSI1	Reduced	21350 +21152	2560 +2540.2	20.39	22.00	1.449	0.09	0.816	1.182
	LTE Band 7	20M	QPSK	1	49	Right Side	15mm	Ant 0	DSI3	Reduced	21350	2560	21.74	23.00	1.337	0.05	0.071	0.095
	LTE Band 7	20M	QPSK	1	49	Bottom Side	15mm	Ant 0	DSI3	Reduced	21350	2560	21.74	23.00	1.337	0.09	0.110	0.147
	LTE Band 7	20M	QPSK	50	24	Right Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.12	0.421	0.563
	LTE Band 7	20M	QPSK	50	24	Bottom Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.08	0.915	1.223
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DSI1	Reduced	21350	2560	20.31	21.00	1.172	-0.06	0.805	0.944
	LTE Band 7	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DSI3	Full	21350	2560	24.24	25.00	1.191	-0.18	0.199	0.237

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Report No. : FA190306

	LTE Band 7	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI1	Reduced	21350	2560	20.30	21.00	1.175	0.1	0.882	1.036
	LTE Band 7C	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI1	Reduced	21350 +21152	2560 +2540.2	19.45	21.00	1.429	0.09	0.635	0.907
	LTE Band 7	20M	QPSK	50	24	Bottom Side	15mm	Ant 1	DSI3	Full	21350	2560	23.28	24.00	1.180	-0.04	0.166	0.196
	LTE Band 7	20M	QPSK	1	49	Front	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.13	0.996	1.181
	LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.02	1.110	1.316
	LTE Band 7	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.09	1.170	1.387
	LTE Band 7	20M	QPSK	1	49	Front	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	-0.12	0.785	0.939
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	0.05	0.862	1.032
	LTE Band 7	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	0.13	1.290	1.544
	LTE Band 7C	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Full	21350 +21152	2560 +2540.2	23.46	24.50	1.271	0.02	1.210	1.537
	LTE Band 7	20M	QPSK	50	24	Front	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	0.09	0.972	1.179
	LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	0.14	1.030	1.250
	LTE Band 7	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	-0.01	1.090	1.323
	LTE Band 7	20M	QPSK	1	49	Front	0mm	Ant 5	DSI1	Reduced	21350	2560	20.41	21.00	1.146	0.13	1.330	1.524
	LTE Band 7	20M	QPSK	1	49	Back	0mm	Ant 5	DSI1	Reduced	21350	2560	20.41	21.00	1.146	0.05	1.040	1.191
	LTE Band 7C	20M	QPSK	1	49	Front	0mm	Ant 5	DSI1	Reduced	21350 +21152	2560 +2540.2	19.97	21.00	1.268	0.02	1.150	1.458
	LTE Band 7	20M	QPSK	1	49	Front	5mm	Ant 5	DSI3	Full	21350	2560	21.79	22.50	1.178	0.07	0.559	0.658
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Ant 5	DSI3	Full	21350	2560	21.79	22.50	1.178	0.01	0.601	0.708
	LTE Band 7	20M	QPSK	50	24	Front	0mm	Ant 5	DSI1	Reduced	21350	2560	20.40	21.00	1.148	-0.03	1.270	1.458
	LTE Band 7	20M	QPSK	50	24	Back	0mm	Ant 5	DSI1	Reduced	21350	2560	20.40	21.00	1.148	0.05	1.030	1.183
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI 1	Reduced	21350	2560	22.24	23.00	1.191	-0.19	1.997	2.379
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI 1	Reduced	20850	2510	22.23	23.00	1.194	0.02	1.610	1.922
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI 1	Reduced	21100	2535	22.21	23.00	1.199	0.03	1.840	2.207
	LTE Band 7_Other PA_EN-DC	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI 3	Reduced	21350	2560	23.08	24.00	1.236	-0.19	1.020	1.261
91	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI 1	Reduced	21350	2560	22.19	23.00	1.205	-0.02	2.070	2.494
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI 1	Reduced	20850	2510	22.17	23.00	1.211	0.09	1.560	1.889
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI 1	Reduced	21100	2535	22.14	23.00	1.219	0.11	1.750	2.133
	LTE Band 7_Other PA_EN-DC	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI 3	Reduced	21350	2560	23.02	24.00	1.253	0.11	0.873	1.094
	LTE Band 7_Other PA_EN-DC	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI 1	Reduced	21350	2560	22.19	23.00	1.205	-0.05	1.780	2.145
	LTE Band 7_EN-DC	20M	QPSK	1	49	Right Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	0.05	0.432	0.577
	LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.11	0.945	1.263
	LTE Band 7_EN-DC	20M	QPSK	1	49	Right Side	15mm	Ant 0	DSI3	Reduced	21350	2560	21.74	23.00	1.337	0.05	0.071	0.095
	LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	15mm	Ant 0	DSI3	Reduced	21350	2560	21.74	23.00	1.337	0.09	0.110	0.147
	LTE Band 7_EN-DC	20M	QPSK	50	24	Right Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.12	0.421	0.563
	LTE Band 7_EN-DC	20M	QPSK	50	24	Bottom Side	0mm	Ant 0	DSI1	Reduced	21350	2560	20.74	22.00	1.337	-0.08	0.915	1.223
	LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	0mm	Ant 1	DSI 1	Reduced	21350	2560	20.31	21.00	1.172	-0.06	0.805	0.944
	LTE Band 7_EN-DC	20M	QPSK	1	49	Bottom Side	15mm	Ant 1	DSI 3	Full	21350	2560	24.24	25.00	1.191	-0.18	0.199	0.237
	LTE Band 7_EN-DC	20M	QPSK	50	24	Bottom Side	0mm	Ant 1	DSI 1	Reduced	21350	2560	20.30	21.00	1.175	0.1	0.882	1.036
	LTE Band 7_EN-DC	20M	QPSK	50	24	Bottom Side	15mm	Ant 1	DSI 3	Full	21350	2560	23.28	24.00	1.180	-0.04	0.166	0.196
	LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI 1	Reduced	21350	2560	19.26	20.00	1.186	0.09	1.170	1.387
	LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI 3	Reduced	21350	2560	23.26	24.00	1.186	0.13	0.853	1.011
	LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI 1	Reduced	21350	2560	19.16	20.00	1.213	-0.01	1.090	1.323
	LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	5mm	Ant 3	DSI 3	Reduced	21350	2560	22.66	23.50	1.213	-0.05	0.712	0.864
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.13	0.996	1.181
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.02	1.110	1.316
	LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	21350	2560	19.26	20.00	1.186	0.09	1.170	1.387
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	-0.12	0.785	0.939
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	0.05	0.862	1.032
	LTE Band 7_EN-DC	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	21350	2560	23.72	24.50	1.197	0.13	1.290	1.544
	LTE Band 7_EN-DC	20M	QPSK	50	24	Front	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	0.09	0.972	1.179
	LTE Band 7_EN-DC	20M	QPSK	50	24	Back	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	0.14	1.030	1.250
	LTE Band 7_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	21350	2560	19.16	20.00	1.213	-0.01	1.090	1.323
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	0mm	Ant 5	DSI1	Reduced	21350	2560	20.41	21.00	1.146	0.13	1.330	1.524
	LTE Band 7_EN-DC	20M	QPSK	1	49	Back	0mm	Ant 5	DSI1	Reduced	21350	2560	20.41	21.00	1.146	0.05	1.040	1.191
	LTE Band 7_EN-DC	20M	QPSK	1	49	Front	5mm	Ant 5	DSI3	Full	21350	2560	21.79	22.50	1.178	0.07	0.559	0.658



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LTE Band 7_EN-DC	20M	QPSK	1	49	Back	5mm	Ant 5	DSI3	Full	21350	2560	21.79	22.50	1.178	0.01	0.601	0.708
LTE Band 7_EN-DC	20M	QPSK	50	24	Front	0mm	Ant 5	DSI1	Reduced	21350	2560	20.40	21.00	1.148	-0.03	1.270	1.458
LTE Band 7_EN-DC	20M	QPSK	50	24	Back	0mm	Ant 5	DSI1	Reduced	21350	2560	20.40	21.00	1.148	0.05	1.030	1.183
LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.24	23.00	1.191	-0.19	1.997	2.379
LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	20850	2510	22.23	23.00	1.194	0.02	1.610	1.922
LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	21100	2535	22.21	23.00	1.199	0.03	1.840	2.207
LTE Band 7_Other PA_DL CA	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	21350	2560	24.14	25.00	1.219	0.02	1.200	1.463
LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.02	2.070	2.494
LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	20850	2510	22.17	23.00	1.211	0.09	1.560	1.889
LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	21100	2535	22.14	23.00	1.219	0.11	1.750	2.133
LTE Band 7_Other PA_DL CA	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI3	Full	21350	2560	23.10	24.00	1.230	0.03	0.943	1.160
LTE Band 7_Other PA_DL CA	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.05	1.780	2.145
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.24	23.00	1.191	-0.19	1.997	2.379
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	20850	2510	22.23	23.00	1.194	0.02	1.610	1.922
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Reduced	21100	2535	22.21	23.00	1.199	0.03	1.840	2.207
LTE Band 7_Other PA_inter-CA	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Reduced	21350	2560	23.08	24.00	1.236	0.02	1.030	1.273
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.02	2.070	2.494
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	20850	2510	22.17	23.00	1.211	0.09	1.560	1.889
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Reduced	21100	2535	22.14	23.00	1.219	0.11	1.750	2.133
LTE Band 7_Other PA_inter-CA	20M	QPSK	50	24	Top Side	5mm	Ant 5	DSI3	Reduced	21350	2560	23.02	24.00	1.230	0.03	0.896	1.123
LTE Band 7_Other PA_inter-CA	20M	QPSK	100	0	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.05	1.780	2.145

<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
103	LTE Band 38	20M	QPSK	1	49	Front	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	0.06	1.080	1.384
	LTE Band 38	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	0.07	1.200	1.537
	LTE Band 38	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	-0.15	1.050	1.345
	LTE Band 38C	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	37901+38099	2585.1+2604.9	21.33	23.00	1.469	62.9	1.006	0.07	1.010	1.493
	LTE Band 38	20M	QPSK	1	49	Front	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.03	0.550	0.733
	LTE Band 38	20M	QPSK	1	49	Back	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	0.02	0.534	0.711
	LTE Band 38	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.07	0.770	1.026
	LTE Band 38	20M	QPSK	50	24	Front	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.09	1.040	1.354
	LTE Band 38	20M	QPSK	50	24	Back	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.11	1.110	1.445
	LTE Band 38	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.02	1.020	1.328
	LTE Band 38	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.16	0.987	1.416
	LTE Band 38C	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Full	37901+38099	2585.1+2604.9	21.73	23.50	1.503	62.9	1.006	0.01	0.962	1.455
	LTE Band 38	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.12	0.354	0.508
	LTE Band 38	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	0.03	0.882	1.265
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	0.06	1.080	1.384
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	0.07	1.200	1.537
	LTE Band 38_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	38000	2595	21.95	23.00	1.274	62.9	1.006	-0.15	1.050	1.345
	LTE Band 38_EN-DC	20M	QPSK	1	49	Front	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.03	0.550	0.733
	LTE Band 38_EN-DC	20M	QPSK	1	49	Back	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	0.02	0.534	0.711
	LTE Band 38_EN-DC	20M	QPSK	1	49	Left Side	5mm	Ant 3	DSI3	Full	38000	2595	23.78	25.00	1.324	62.9	1.006	-0.07	0.770	1.026
	LTE Band 38_EN-DC	20M	QPSK	50	24	Front	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.09	1.040	1.354
	LTE Band 38_EN-DC	20M	QPSK	50	24	Back	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.11	1.110	1.445
	LTE Band 38_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DSI1	Reduced	38000	2595	21.88	23.00	1.294	62.9	1.006	0.02	1.020	1.328
	LTE Band 38_EN-DC	20M	QPSK	1	49	Top Side	0mm	Ant 5	DSI1	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.16	0.987	1.416
	LTE Band 38_EN-DC	20M	QPSK	1	49	Top Side	5mm	Ant 5	DSI3	Full	38000	2595	21.96	23.50	1.426	62.9	1.006	0.12	0.354	0.508
	LTE Band 38_EN-DC	20M	QPSK	50	24	Top Side	0mm	Ant 5	DSI1	Full	38000	2595	20.96	22.50	1.426	62.9	1.006	0.03	0.882	1.265
	LTE Band 41	20M	QPSK	1	49	Front	0mm	Ant 3	DSI1	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	0.08	1.130	1.389
	LTE Band 41	20M	QPSK	1	49	Back	0mm	Ant 3	DSI1	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	0.11	1.210	1.487
	LTE Band 41	20M	QPSK	1	49	Left Side	0mm	Ant 3	DSI1	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	-0.17	1.290	1.586

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FCC SAR Test Report

Report No. : FA190306

	LTE Band 41	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	39750	2506	21.61	22.50	1.227	62.9	1.006	0.02	1.180	1.457
	LTE Band 41	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	40185	2549.5	21.54	22.50	1.247	62.9	1.006	-0.08	1.160	1.456
	LTE Band 41	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	41055	2636.5	21.48	22.50	1.265	62.9	1.006	0.09	1.170	1.489
	LTE Band 41	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	41490	2680	21.62	22.50	1.225	62.9	1.006	-0.17	1.140	1.404
	LTE Band 41	20M	QPSK	1	49	Front	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.05	0.627	0.785
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	0.03	0.711	0.890
	LTE Band 41	20M	QPSK	1	49	Left Side	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.03	0.951	1.191
	LTE Band 41	20M	QPSK	50	24	Front	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	-0.05	1.070	1.333
	LTE Band 41	20M	QPSK	50	24	Back	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	0.08	1.170	1.458
92	LTE Band 41	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	-0.04	1.280	1.595
	LTE Band 41	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	39750	2506	21.56	22.50	1.242	62.9	1.006	0.02	1.190	1.486
	LTE Band 41	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	40185	2549.5	21.55	22.50	1.245	62.9	1.006	-0.08	1.140	1.427
	LTE Band 41	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	41055	2636.5	21.52	22.50	1.253	62.9	1.006	0.09	1.180	1.488
	LTE Band 41	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	41490	2680	21.55	22.50	1.245	62.9	1.006	-0.17	1.130	1.415
	LTE Band 41	20M	QPSK	50	24	Left Side	5mm	Ant 3	DS13	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	-0.08	0.780	0.970
	LTE Band 41	20M	QPSK	100	0	Left Side	0mm	Ant 3	DS11	Reduced	40620	2593	21.55	22.50	1.245	62.9	1.006	-0.17	1.180	1.477
	LTE Band 41	20M	QPSK	1	49	Top Side	0mm	Ant 5	DS11	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.09	1.210	1.494
	LTE Band 41	20M	QPSK	1	49	Top Side	5mm	Ant 5	DS13	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.11	0.536	0.662
	LTE Band 41	20M	QPSK	50	24	Top Side	0mm	Ant 5	DS11	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	0.08	1.030	1.240
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	0mm	Ant 3	DS11	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	0.08	1.130	1.389
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	0mm	Ant 3	DS11	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	0.11	1.210	1.487
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	40620	2593	21.63	22.50	1.222	62.9	1.006	-0.17	1.290	1.586
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	39750	2506	21.61	22.50	1.227	62.9	1.006	0.02	1.180	1.457
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	40185	2549.5	21.54	22.50	1.247	62.9	1.006	-0.08	1.160	1.456
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	41055	2636.5	21.48	22.50	1.265	62.9	1.006	0.09	1.170	1.489
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	0mm	Ant 3	DS11	Reduced	41490	2680	21.62	22.50	1.225	62.9	1.006	-0.17	1.140	1.404
	LTE Band 41_EN-DC	20M	QPSK	1	49	Front	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.05	0.627	0.785
	LTE Band 41_EN-DC	20M	QPSK	1	49	Back	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	0.03	0.711	0.890
	LTE Band 41_EN-DC	20M	QPSK	1	49	Left Side	5mm	Ant 3	DS13	Full	40620	2593	24.55	25.50	1.245	62.9	1.006	-0.03	0.951	1.191
	LTE Band 41_EN-DC	20M	QPSK	50	24	Front	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	-0.05	1.070	1.333
	LTE Band 41_EN-DC	20M	QPSK	50	24	Back	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	0.08	1.170	1.458
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	40620	2593	21.57	22.50	1.239	62.9	1.006	-0.04	1.280	1.595
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	39750	2506	21.56	22.50	1.242	62.9	1.006	0.02	1.190	1.486
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	40185	2549.5	21.55	22.50	1.245	62.9	1.006	-0.08	1.140	1.427
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	41055	2636.5	21.52	22.50	1.253	62.9	1.006	0.09	1.180	1.488
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	0mm	Ant 3	DS11	Reduced	41490	2680	21.55	22.50	1.245	62.9	1.006	-0.17	1.130	1.415
	LTE Band 41_EN-DC	20M	QPSK	50	24	Left Side	5mm	Ant 3	DS13	Full	40620	2593	23.58	24.50	1.236	62.9	1.006	-0.08	0.780	0.970
	LTE Band 41_EN-DC	20M	QPSK	100	0	Left Side	0mm	Ant 3	DS11	Reduced	40620	2593	21.55	22.50	1.245	62.9	1.006	-0.17	1.180	1.477
	LTE Band 41_EN-DC	20M	QPSK	1	49	Top Side	0mm	Ant 5	DS11	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.09	1.210	1.494
	LTE Band 41_EN-DC	20M	QPSK	1	49	Top Side	5mm	Ant 5	DS13	Full	40620	2593	22.61	23.50	1.227	62.9	1.006	0.11	0.536	0.662
	LTE Band 41_EN-DC	20M	QPSK	50	24	Top Side	0mm	Ant 5	DS11	Full	40620	2593	21.72	22.50	1.197	62.9	1.006	0.08	1.030	1.240
93	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	0mm	Ant 11	DS11	Reduced	42590	3500	16.75	17.50	1.189	62.9	1.006	-0.17	1.140	1.363
	LTE Band 42_Part 27Q	20M	QPSK	1	0	Back	5mm	Ant 11	DS13	Full	42590	3500	22.95	23.50	1.135	62.9	1.006	0.02	0.884	1.009
	LTE Band 42_Part 27Q	20M	QPSK	50	0	Back	0mm	Ant 11	DS11	Reduced	42590	3500	16.74	17.50	1.191	62.9	1.006	-0.15	1.100	1.318



<5G NR SAR>

lot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	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)
94	N5	20M	BPSK	1	53	DFT-15	Left Side	0mm	Ant 2	DSI1	Reduced	167300	836.5	20.97	22.00	1.268	0.02	0.396	0.502
	N5	20M	BPSK	50	28	DFT-15	Left Side	0mm	Ant 2	DSI1	Reduced	167300	836.5	20.91	22.00	1.285	-0.1	0.286	0.368
	N5_NSA	20M	BPSK	1	53	DFT-15	Left Side	0mm	Ant 2	DSI 1	Reduced	167300	836.5	20.97	22.00	1.268	0.02	0.396	0.502
	N5_NSA	20M	BPSK	50	28	DFT-15	Left Side	0mm	Ant 2	DSI 1	Reduced	167300	836.5	20.91	22.00	1.285	-0.1	0.286	0.368
	N66	40M	BPSK	1	108	DFT-15	Bottom Side	0mm	Ant 1	DSI1	Reduced	349000	1745	22.30	23.50	1.318	0.08	1.160	1.529
	N66	40M	BPSK	1	108	DFT-15	Bottom Side	15mm	Ant 1	DSI3	Full	349000	1745	23.78	24.50	1.180	0.05	0.301	0.355
	N66	40M	BPSK	108	54	DFT-15	Bottom Side	0mm	Ant 1	DSI1	Reduced	349000	1745	22.24	23.50	1.337	0.04	1.190	1.591
	N66	40M	BPSK	108	54	DFT-15	Bottom Side	15mm	Ant 1	DSI3	Full	349000	1745	23.74	24.50	1.191	-0.02	0.294	0.350
	N66	40M	BPSK	1	108	DFT-15	Top Side	0mm	Ant 5	DSI1	Reduced	349000	1745	21.45	22.50	1.274	-0.19	1.540	1.961
	N66	40M	BPSK	1	108	DFT-15	Top Side	5mm	Ant 5	DSI3	Full	349000	1745	24.05	24.50	1.109	0.04	1.180	1.309
95	N66	40M	BPSK	108	54	DFT-15	Top Side	0mm	Ant 5	DSI1	Reduced	349000	1745	21.37	22.50	1.297	0.06	1.780	2.309
	N66	40M	BPSK	108	54	DFT-15	Top Side	5mm	Ant 5	DSI3	Full	349000	1745	23.99	24.50	1.125	-0.14	1.030	1.158
	N66	40M	BPSK	216	0	DFT-15	Top Side	0mm	Ant 5	DSI1	Reduced	349000	1745	21.23	22.50	1.340	-0.14	1.360	1.822
	N66_NSA	40M	BPSK	1	108	DFT-15	Top Side	0mm	Ant 5	DSI 1	Reduced	349000	1745	21.45	22.50	1.274	-0.19	1.540	1.961
	N66_NSA	40M	BPSK	1	108	DFT-15	Top Side	5mm	Ant 5	DSI 3	Full	349000	1745	24.05	24.50	1.109	0.04	1.180	1.309
	N66_NSA	40M	BPSK	108	54	DFT-15	Top Side	0mm	Ant 5	DSI 1	Reduced	349000	1745	21.37	22.50	1.297	0.06	1.780	2.309
	N66_NSA	40M	BPSK	108	54	DFT-15	Top Side	5mm	Ant 5	DSI 3	Full	349000	1745	23.99	24.50	1.125	-0.14	1.030	1.158
	N66_NSA	40M	BPSK	216	0	DFT-15	Top Side	0mm	Ant 5	DSI 1	Reduced	349000	1745	21.23	22.50	1.340	-0.14	1.360	1.822
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	509000	2545	21.52	22.50	1.253	0.03	1.510	1.892
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	15mm	Ant 0	DSI3	Full	509000	2545	23.77	24.50	1.183	0.07	0.132	0.156
96	N7	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	509000	2545	21.45	22.50	1.274	-0.09	1.690	2.152
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	505000	2525	21.43	22.50	1.279	0.07	1.540	1.970
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	507000	2535	21.43	22.50	1.279	0.04	1.520	1.945
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	15mm	Ant 0	DSI3	Full	509000	2545	23.76	24.50	1.186	-0.01	0.129	0.153
	N7	50M	BPSK	270	0	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	509000	2545	21.29	22.50	1.321	-0.09	1.530	2.022
	N7	50M	BPSK	1	135	DFT-15	Front	0mm	Ant 1	DSI1	Reduced	509000	2545	17.12	18.00	1.225	-0.03	0.409	0.501
	N7	50M	BPSK	1	135	DFT-15	Back	0mm	Ant 1	DSI1	Reduced	509000	2545	17.12	18.00	1.225	0.07	0.576	0.705
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	0mm	Ant 1	DSI1	Reduced	509000	2545	17.12	18.00	1.225	-0.04	0.401	0.491
	N7	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.01	0.172	0.200
	N7	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.09	0.216	0.251
	N7	50M	BPSK	1	135	DFT-15	Bottom Side	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	-0.11	0.202	0.235
	N7	50M	BPSK	135	68	DFT-15	Front	0mm	Ant 1	DSI1	Reduced	509000	2545	17.02	18.00	1.253	0.09	0.414	0.519
	N7	50M	BPSK	135	68	DFT-15	Back	0mm	Ant 1	DSI1	Reduced	509000	2545	17.02	18.00	1.253	-0.07	0.754	0.945
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	DSI1	Reduced	509000	2545	17.02	18.00	1.253	0.06	0.412	0.516
	N7	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 1	DSI3	Full	509000	2545	24.18	25.00	1.208	0.03	0.179	0.216
	N7	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 1	DSI3	Full	509000	2545	24.18	25.00	1.208	-0.15	0.223	0.269
	N7	50M	BPSK	135	68	DFT-15	Bottom Side	15mm	Ant 1	DSI3	Full	509000	2545	24.18	25.00	1.208	0.12	0.211	0.255
	N7	50M	BPSK	1	135	DFT-15	Back	0mm	Ant 3	DSI1	Reduced	509000	2545	19.85	20.50	1.161	0.06	1.280	1.487
	N7	50M	BPSK	1	135	DFT-15	Left Side	0mm	Ant 3	DSI1	Reduced	509000	2545	19.85	20.50	1.161	0.03	0.970	1.127
	N7	50M	BPSK	1	135	DFT-15	Back	5mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	0.08	0.961	1.140
	N7	50M	BPSK	1	135	DFT-15	Left Side	5mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	-0.14	1.120	1.328
	N7	50M	BPSK	135	68	DFT-15	Back	0mm	Ant 3	DSI1	Reduced	509000	2545	19.83	20.50	1.167	-0.02	1.480	1.727
	N7	50M	BPSK	135	68	DFT-15	Left Side	0mm	Ant 3	DSI1	Reduced	509000	2545	19.83	20.50	1.167	-0.15	1.200	1.400
	N7	50M	BPSK	135	68	DFT-15	Back	5mm	Ant 3	DSI3	Full	509000	2545	23.71	24.50	1.199	0.06	0.975	1.170
	N7	50M	BPSK	135	68	DFT-15	Left Side	5mm	Ant 3	DSI3	Full	509000	2545	23.71	24.50	1.199	0.06	1.110	1.331
	N7	50M	BPSK	1	135	DFT-15	Top Side	0mm	Ant 5	DSI1	Reduced	509000	2545	19.65	20.50	1.216	0.14	1.030	1.253
	N7	50M	BPSK	1	135	DFT-15	Top Side	5mm	Ant 5	DSI3	Full	509000	2545	24.30	25.00	1.175	0.03	0.975	1.146
	N7	50M	BPSK	135	68	DFT-15	Top Side	0mm	Ant 5	DSI1	Reduced	509000	2545	19.58	20.50	1.236	-0.19	1.310	1.619
	N7	50M	BPSK	135	68	DFT-15	Top Side	5mm	Ant 5	DSI3	Full	509000	2545	24.17	25.00	1.211	0.07	1.070	1.295
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	509000	2545	21.52	22.50	1.253	0.03	1.510	1.892
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	15mm	Ant 0	DSI3	Full	509000	2545	23.77	24.50	1.183	0.07	0.132	0.156
	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 0	DSI1	Reduced	509000	2545	21.45	22.50	1.274	-0.09	1.690	2.152



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	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	15mm	Ant 0	DSI3	Full	509000	2545	23.76	24.50	1.186	-0.01	0.129	0.153
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.12	18.00	1.225	-0.03	0.409	0.501
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.12	18.00	1.225	0.07	0.576	0.705
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.12	18.00	1.225	-0.04	0.401	0.491
	N7_NSA	50M	BPSK	1	135	DFT-15	Front	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.01	0.172	0.200
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	0.09	0.216	0.251
	N7_NSA	50M	BPSK	1	135	DFT-15	Bottom Side	15mm	Ant 1	DSI3	Full	509000	2545	24.35	25.00	1.161	-0.11	0.202	0.235
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.02	18.00	1.253	0.09	0.414	0.519
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.02	18.00	1.253	-0.07	0.754	0.945
	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	0mm	Ant 1	DSI 1	Reduced	509000	2545	17.02	18.00	1.253	0.06	0.398	0.499
	N7_NSA	50M	BPSK	135	68	DFT-15	Front	15mm	Ant 1	DSI 3	Full	509000	2545	24.18	25.00	1.208	0.03	0.179	0.216
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	15mm	Ant 1	DSI 3	Full	509000	2545	24.18	25.00	1.208	-0.15	0.223	0.269
	N7_NSA	50M	BPSK	135	68	DFT-15	Bottom Side	15mm	Ant 1	DSI 3	Full	509000	2545	24.18	25.00	1.208	0.12	0.211	0.255
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	0mm	Ant 3	DSI 1	Reduced	509000	2545	19.85	20.50	1.161	0.06	1.280	1.487
	N7_NSA	50M	BPSK	1	135	DFT-15	Left Side	0mm	Ant 3	DSI 1	Reduced	509000	2545	19.85	20.50	1.161	0.03	0.970	1.127
	N7_NSA	50M	BPSK	1	135	DFT-15	Back	5mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	0.08	0.961	1.140
	N7_NSA	50M	BPSK	1	135	DFT-15	Left Side	5mm	Ant 3	DSI3	Full	509000	2545	23.76	24.50	1.186	-0.14	1.120	1.328
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	0mm	Ant 3	DSI 1	Reduced	509000	2545	19.83	20.50	1.167	-0.02	1.480	1.727
	N7_NSA	50M	BPSK	135	68	DFT-15	Left Side	0mm	Ant 3	DSI 1	Reduced	509000	2545	19.83	20.50	1.167	-0.15	1.200	1.400
	N7_NSA	50M	BPSK	135	68	DFT-15	Back	5mm	Ant 3	DSI 3	Full	509000	2545	23.71	24.50	1.199	0.06	0.975	1.170
	N7_NSA	50M	BPSK	135	68	DFT-15	Left Side	5mm	Ant 3	DSI 3	Full	509000	2545	23.71	24.50	1.199	0.06	1.110	1.331
	N7_NSA	50M	BPSK	1	135	DFT-15	Top Side	0mm	Ant 5	DSI 1	Reduced	509000	2545	19.65	20.50	1.216	0.14	1.030	1.253
	N7_NSA	50M	BPSK	135	68	DFT-15	Top Side	0mm	Ant 5	DSI 1	Reduced	509000	2545	19.58	20.50	1.236	-0.19	1.310	1.619
	N7_NSA	50M	BPSK	135	68	DFT-15	Top Side	5mm	Ant 5	DSI 3	Reduced	509000	2545	22.68	23.50	1.208	0.07	1.070	1.292
	N38	40M	BPSK	1	53	DFT-30	Back	0mm	Ant 3	DSI1	Reduced	519000	2595	20.04	21.00	1.247	-0.17	1.210	1.509
	N38	40M	BPSK	1	53	DFT-30	Left Side	0mm	Ant 3	DSI1	Reduced	519000	2595	20.04	21.00	1.247	0.01	1.380	1.721
	N38	40M	BPSK	1	53	DFT-30	Back	5mm	Ant 3	DSI3	Full	519000	2595	24.86	25.50	1.159	0.07	1.080	1.251
	N38	40M	BPSK	1	53	DFT-30	Left Side	5mm	Ant 3	DSI3	Full	519000	2595	24.86	25.50	1.159	0.13	1.610	1.866
	N38	40M	BPSK	50	28	DFT-30	Back	0mm	Ant 3	DSI1	Reduced	519000	2595	19.99	21.00	1.262	-0.1	1.300	1.640
	N38	40M	BPSK	50	28	DFT-30	Left Side	0mm	Ant 3	DSI1	Reduced	519000	2595	19.99	21.00	1.262	0.1	1.410	1.779
	N38	40M	BPSK	50	28	DFT-30	Back	5mm	Ant 3	DSI3	Full	519000	2595	23.87	25.50	1.455	-0.16	1.280	1.863
97	N38	40M	BPSK	50	28	DFT-30	Left Side	5mm	Ant 3	DSI3	Full	519000	2595	23.87	25.50	1.455	-0.01	1.730	2.518
	N38	40M	BPSK	1	53	DFT-30	Front	0mm	Ant5	DSI1	Reduced	519000	2595	20.15	21.00	1.216	0.02	0.569	0.692
	N38	40M	BPSK	1	53	DFT-30	Back	0mm	Ant 5	DSI1	Reduced	519000	2595	20.15	21.00	1.216	0.08	1.520	1.849
	N38	40M	BPSK	1	53	DFT-30	Top Side	0mm	Ant 5	DSI1	Reduced	519000	2595	20.15	21.00	1.216	-0.15	1.480	1.800
	N38	40M	BPSK	1	53	DFT-30	Front	5mm	Ant 5	DSI1	Full	519000	2595	25.16	26.00	1.213	0.09	0.621	0.754
	N38	40M	BPSK	1	53	DFT-30	Back	5mm	Ant 5	DSI3	Full	519000	2595	25.16	26.00	1.213	-0.06	1.620	1.966
	N38	40M	BPSK	1	53	DFT-30	Top Side	5mm	Ant 5	DSI3	Full	519000	2595	25.16	26.00	1.213	-0.1	1.670	2.026
	N38	40M	BPSK	50	28	DFT-30	Front	0mm	Ant 5	DSI1	Reduced	519000	2595	20.14	21.00	1.219	-0.04	0.556	0.678
	N38	40M	BPSK	50	28	DFT-30	Back	0mm	Ant 5	DSI1	Reduced	519000	2595	20.14	21.00	1.219	-0.05	1.510	1.841
	N38	40M	BPSK	50	28	DFT-30	Top Side	0mm	Ant 5	DSI1	Reduced	519000	2595	20.14	21.00	1.219	-0.03	1.450	1.768
	N41	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 1	DSI1	Reduced	518598	2592.99	19.54	20.50	1.247	0.05	1.360	1.696
	N41	100M	BPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI3	Full	518598	2592.99	24.99	25.50	1.125	0.09	0.261	0.294
	N41	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 1	DSI1	Reduced	518598	2592.99	19.46	20.50	1.271	0.01	1.140	1.448
	N41	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 1	DSI1	Reduced	518598	2592.99	19.31	20.50	1.315	0.07	1.120	1.473
	N41	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 3	DSI1	Reduced	518598	2592.99	19.61	20.50	1.227	-0.09	1.510	1.853
	N41	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 3	DSI1	Reduced	518598	2592.99	19.61	20.50	1.227	0.02	0.998	1.225
	N41	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 3	DSI3	Full	518598	2592.99	24.54	25.50	1.247	0.14	1.180	1.472
98	N41	100M	BPSK	1	137	DFT-30	Left Side	5mm	Ant 3	DSI3	Full	518598	2592.99	24.54	25.50	1.247	-0.07	1.830	2.283
	N41	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI1	Reduced	518598	2592.99	19.53	20.50	1.250	0.16	1.350	1.688
	N41	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 3	DSI1	Reduced	518598	2592.99	19.53	20.50	1.250	0.05	0.974	1.218
	N41	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 3	DSI1	Reduced	518598	2592.99	19.35	20.50	1.303	0.05	1.320	1.720
	N41	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 5	DSI1	Reduced	518598	2592.99	19.24	20.50	1.337	0.07	1.040	1.390
	N41	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 5	DSI1	Reduced	518598	2592.99	19.24	20.50	1.337	0.04	1.030	1.377
	N41	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 5	DSI3	Full	518598	2592.99	25.12	26.00	1.225	-0.14	1.350	1.653
	N41	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 5	DSI3	Full	518598	2592.99	25.12	26.00	1.225	-0.04	1.670	2.045



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	N41	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 5	DS11	Reduced	518598	2592.99	19.18	20.50	1.355	0.01	0.996	1.350
	N41	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 5	DS11	Reduced	518598	2592.99	19.18	20.50	1.355	-0.11	0.970	1.315
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 2	DS11	Reduced	656000	3840	18.88	19.50	1.153	-0.13	1.290	1.488
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 2	DS11	Reduced	656000	3840	18.81	19.50	1.172	-0.09	1.270	1.489
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DS11	Reduced	633334	3500.01	18.15	19.00	1.216	-0.1	0.932	1.133
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 4	DS11	Reduced	633334	3500.01	18.15	19.00	1.216	0.13	0.925	1.125
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 4	DS13	Full	633334	3500.01	23.11	24.00	1.227	-0.05	0.918	1.127
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 4	DS13	Full	633334	3500.01	23.11	24.00	1.227	-0.04	0.885	1.086
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DS11	Reduced	633334	3500.01	18.10	19.00	1.230	0.19	0.911	1.121
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DS11	Reduced	633334	3500.01	18.10	19.00	1.230	-0.08	0.912	1.122
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DS11	Reduced	656000	3840	17.95	19.00	1.274	0.05	0.881	1.122
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 4	DS13	Full	656000	3840	23.02	24.00	1.253	0.03	0.626	0.784
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DS11	Reduced	656000	3840	17.93	19.00	1.279	-0.16	0.803	1.027
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DS11	Reduced	633334	3500.01	17.85	18.50	1.16	0.12	0.769	0.893
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	633334	3500.01	17.85	18.50	1.16	0.06	1.180	1.371
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DS13	Reduced	633334	3500.01	23.13	24.00	1.22	0.05	0.966	1.180
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DS13	Reduced	633334	3500.01	23.13	24.00	1.22	-0.08	1.290	1.576
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DS11	Reduced	633334	3500.01	17.83	18.50	1.17	-0.13	0.750	0.875
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	633334	3500.01	17.83	18.50	1.17	0.14	1.270	1.482
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	0mm	Ant 6	DS11	Reduced	656000	3840	17.79	18.50	1.178	-0.15	0.479	0.564
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DS11	Reduced	656000	3840	17.79	18.50	1.178	0.1	0.997	1.174
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	656000	3840	17.79	18.50	1.178	0.06	1.250	1.472
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Front	5mm	Ant 6	DS13	Reduced	656000	3840	23.08	24.00	1.236	0.1	0.587	0.726
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DS13	Reduced	656000	3840	23.08	24.00	1.236	-0.1	1.320	1.631
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DS13	Reduced	656000	3840	23.08	24.00	1.236	-0.04	1.670	2.064
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 6	DS11	Reduced	656000	3840	17.77	18.50	1.183	-0.02	0.470	0.556
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DS11	Reduced	656000	3840	17.77	18.50	1.183	-0.09	0.960	1.136
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	656000	3840	17.77	18.50	1.183	-0.06	1.490	1.763
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DS11	Reduced	633334	3500.01	14.48	16.00	1.419	-0.14	1.090	1.547
	N77_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 11	DS13	Reduced	633334	3500.01	18.95	20.50	1.429	0.13	0.595	0.850
	N77_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DS11	Reduced	633334	3500.01	14.47	16.00	1.422	0.08	1.010	1.437
99	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DS11	Reduced	656000	3840	14.93	16.00	1.279	0.02	1.630	2.085
	N77_Part 27O	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 11	DS13	Reduced	656000	3840	19.58	20.50	1.236	0.18	1.620	2.002
	N77_Part 27O	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DS11	Reduced	656000	3840	14.91	16.00	1.285	0.1	1.600	2.056
	N77_Part 27O	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 11	DS11	Reduced	656000	3840	14.89	16.00	1.291	0.04	1.320	1.704
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 2	DS11	Reduced	650000	3750	20.05	20.50	1.109	0.05	1.900	2.107
	N78_Part 27O	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 2	DS11	Reduced	650000	3750	20.01	20.50	1.119	-0.16	1.890	2.116
	N78_Part 27O	100M	BPSK	270	0	DFT-30	Left Side	0mm	Ant 2	DS14	Reduced	650000	3750	19.87	20.50	1.156	0.04	1.740	2.012
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DS11	Reduced	633334	3500.01	19.46	20.50	1.271	-0.16	1.170	1.487
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 4	DS11	Reduced	633334	3500.01	19.46	20.50	1.271	0.02	1.470	1.868
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 4	DS13	Full	633334	3500.01	23.05	24.00	1.245	0.15	1.210	1.506
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 4	DS13	Full	633334	3500.01	23.05	24.00	1.245	0.17	0.986	1.227
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DS11	Reduced	633334	3500.01	19.45	20.50	1.274	0.03	1.130	1.439
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DS11	Reduced	633334	3500.01	19.45	20.50	1.274	0.08	1.290	1.643
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DS11	Reduced	633334	3500.01	18.58	19.50	1.236	-0.03	0.837	1.034
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	633334	3500.01	18.58	19.50	1.236	-0.02	1.630	2.015
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DS13	Reduced	633334	3500.01	23.98	25.00	1.265	-0.15	1.199	1.516
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DS13	Reduced	633334	3500.01	23.98	25.00	1.265	-0.19	1.501	1.898
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DS11	Reduced	633334	3500.01	18.54	19.50	1.247	-0.03	0.825	1.029
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	633334	3500.01	18.54	19.50	1.247	-0.01	1.480	1.846
	N78_Part 27Q	100M	BPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	633334	3500.01	18.19	19.50	1.352	0.07	1.500	2.028
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Front	0mm	Ant 6	DS11	Reduced	650000	3750	18.72	19.50	1.197	-0.04	0.633	0.758
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DS11	Reduced	650000	3750	18.72	19.50	1.197	0.01	1.090	1.304
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DS11	Reduced	650000	3750	18.72	19.50	1.197	0.09	1.990	2.382
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Front	5mm	Ant 6	DS13	Reduced	650000	3750	24.12	25.00	1.225	-0.07	0.685	0.839
	N78_Part 27O	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DS13	Reduced	650000	3750	24.12	25.00	1.225	0.03	1.450	1.776



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	N78_Part 270	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	0.18	1.890	2.315
	N78_Part 270	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 6	DSI1	Reduced	650000	3750	18.71	19.50	1.199	-0.03	0.619	0.742
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DSI1	Reduced	650000	3750	18.71	19.50	1.199	0.05	1.010	1.211
	N78_Part 270	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DSI1	Reduced	650000	3750	18.71	19.50	1.199	-0.11	1.810	2.171
	N78_Part 270	100M	BPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DSI1	Reduced	650000	3750	18.29	19.50	1.321	0.15	1.550	2.048
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	633334	3500.01	15.78	17.00	1.324	-0.19	1.280	1.695
	N78_Part 27Q	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 11	DSI3	Reduced	633334	3500.01	19.86	21.00	1.300	0.09	0.759	0.987
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	633334	3500.01	15.78	17.00	1.324	-0.11	1.450	1.920
	N78_Part 27Q	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 11	DSI3	Reduced	633334	3500.01	19.82	21.00	1.312	0.03	0.820	1.076
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	650000	3750	16.29	17.00	1.178	0.01	1.970	2.320
	N78_Part 270	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 11	DSI3	Reduced	650000	3750	20.41	21.00	1.146	0.03	2.050	2.348
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	650000	3750	16.28	17.00	1.180	-0.04	2.000	2.361
	N78_Part 270	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 11	DSI3	Reduced	650000	3750	20.36	21.00	1.159	0.03	2.080	2.410
100	N78_Part 270	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	650000	3750	16.15	17.00	1.216	0.06	2.100	2.554
	N78_Part 270	100M	BPSK	270	0	DFT-30	Back	5mm	Ant 11	DSI1	Reduced	650000	3750	20.22	21.00	1.197	0.01	2.030	2.429
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Left Side	0mm	Ant 2	DSI 1	Reduced	650000	3750	20.05	20.50	1.109	0.05	1.900	2.107
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Left Side	0mm	Ant 2	DSI 1	Reduced	650000	3750	20.01	20.50	1.119	-0.16	1.890	2.116
	N78_Part 270_NSA	100M	BPSK	270	0	DFT-30	Left Side	0mm	Ant 2	DSI 1	Reduced	650000	3750	19.87	20.50	1.156	0.04	1.740	2.012
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.46	20.50	1.271	-0.16	1.170	1.487
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.46	20.50	1.271	0.02	1.470	1.868
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.52	22.50	1.253	0.15	0.864	1.083
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 4	DSI 3	Reduced	633334	3500.01	21.52	22.50	1.253	0.17	0.798	1.000
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.45	20.50	1.274	0.03	1.130	1.439
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 4	DSI 1	Reduced	633334	3500.01	19.45	20.50	1.274	0.08	1.290	1.643
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	18.58	19.50	1.236	-0.03	0.837	1.034
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	18.58	19.50	1.236	-0.02	1.630	2.015
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.65	22.50	1.216	-0.15	0.457	0.556
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DSI 3	Reduced	633334	3500.01	21.65	22.50	1.216	-0.19	0.528	0.642
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	18.54	19.50	1.247	-0.03	0.825	1.029
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DSI 1	Reduced	633334	3500.01	18.54	19.50	1.247	-0.01	1.480	1.846
	N78_Part 27Q_NSA	100M	BPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DSI1	Reduced	633334	3500.01	18.19	19.50	1.352	0.07	1.500	2.028
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Front	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.72	19.50	1.197	-0.04	0.633	0.758
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.72	19.50	1.197	0.01	1.090	1.304
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Top Side	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.72	19.50	1.197	0.09	1.990	2.382
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Front	5mm	Ant 6	DSI 3	Reduced	650000	3750	21.73	22.50	1.194	-0.07	0.317	0.378
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Back	5mm	Ant 6	DSI 3	Reduced	650000	3750	21.73	22.50	1.194	0.03	0.576	0.688
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Top Side	5mm	Ant 6	DSI 3	Reduced	650000	3750	21.73	22.50	1.194	0.18	0.769	0.918
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Front	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.71	19.50	1.199	-0.03	0.619	0.742
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.71	19.50	1.199	0.05	1.010	1.211
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Top Side	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.71	19.50	1.199	-0.11	1.810	2.171
	N78_Part 270_NSA	100M	BPSK	270	0	DFT-30	Top Side	0mm	Ant 6	DSI 1	Reduced	650000	3750	18.29	19.50	1.321	0.15	1.550	2.048
	N78_Part 27Q_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DSI 1	Reduced	633334	3500.01	15.78	17.00	1.324	-0.19	1.280	1.695
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DSI 1	Reduced	633334	3500.01	15.78	17.00	1.324	-0.11	1.450	1.920
	N78_Part 27Q_NSA	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 11	DSI 3	Reduced	633334	3500.01	17.65	18.50	1.216	0.03	0.399	0.485
	N78_Part 270_NSA	100M	BPSK	1	137	DFT-30	Back	0mm	Ant 11	DSI 1	Reduced	650000	3750	16.29	17.00	1.178	0.01	1.970	2.320
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Back	0mm	Ant 11	DSI 1	Reduced	650000	3750	16.28	17.00	1.180	-0.04	2.000	2.361
	N78_Part 270_NSA	100M	BPSK	135	69	DFT-30	Back	5mm	Ant 11	DSI 3	Reduced	650000	3750	17.73	18.50	1.194	-0.1	1.010	1.206
	N78_Part 270_NSA	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 11	DSI 4	Reduced	650000	3750	16.15	17.00	1.216	0.06	2.100	2.554



<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	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)
	WLAN5.3GHz	802.11ax-HE40 MCS0	Front	0mm	Ant 8	Full	54	5270	16.50	18.00	1.413	92.4	1.082	-0.09	0.659	1.007
	WLAN5.3GHz	802.11ax-HE40 MCS0	Back	0mm	Ant 8	Full	54	5270	16.50	18.00	1.413	92.4	1.082	0.02	0.095	0.145
	WLAN5.3GHz	802.11ax-HE40 MCS0	Right Side	0mm	Ant 8	Full	54	5270	16.50	18.00	1.413	92.4	1.082	0.1	0.132	0.202
	WLAN5.3GHz	802.11ax-HE40 MCS0	Top Side	0mm	Ant 8	Full	54	5270	16.50	18.00	1.413	92.4	1.082	0.06	0.349	0.533
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 9	Full	54	5270	16.70	18.50	1.514	100	1.000	-0.13	0.326	0.493
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 9	Full	54	5270	16.70	18.50	1.514	100	1.000	-0.19	0.099	0.150
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 9	Full	54	5270	16.70	18.50	1.514	100	1.000	-0.05	0.539	0.816
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 9	Full	54	5270	16.70	18.50	1.514	100	1.000	-0.14	0.256	0.387
101	WLAN5.3GHz	802.11ax-HE40 MCS0	Front	0mm	Ant 8+9	Full	54	5270	19.82	21.50	1.472	92.4	1.082	0.09	1.080	1.720
	WLAN5.3GHz	802.11ax-HE40 MCS0	Back	0mm	Ant 8+9	Full	54	5270	19.82	21.50	1.472	92.4	1.082	0.04	0.201	0.320
	WLAN5.3GHz	802.11ax-HE40 MCS0	Right Side	0mm	Ant 8+9	Full	54	5270	19.82	21.50	1.472	92.4	1.082	0.18	0.923	1.470
	WLAN5.3GHz	802.11ax-HE40 MCS0	Top Side	0mm	Ant 8+9	Full	54	5270	19.82	21.50	1.472	92.4	1.082	0.16	0.559	0.891
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	-0.03	0.848	1.179
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	-0.02	0.201	0.280
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	-0.19	0.296	0.412
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	-0.14	0.612	0.851
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.01	0.271	0.404
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.09	0.101	0.151
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	0.12	0.715	1.066
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.11	0.207	0.308
102	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.12	1.200	1.760
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	-0.09	0.234	0.343
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.14	0.931	1.365
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	-0.02	0.736	1.079
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	0.11	0.328	0.456
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	-0.19	0.140	0.195
	WLAN5.5GHz	802.11a 6Mbps	Right Side	5mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	0.02	0.011	0.015
	WLAN5.5GHz	802.11a 6Mbps	Top Side	5mm	Ant 8	Full	144	5720	16.70	18.00	1.349	97	1.031	0.07	0.184	0.256
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.01	0.085	0.127
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.04	0.088	0.131
	WLAN5.5GHz	802.11a 6Mbps	Right Side	5mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	-0.17	0.215	0.320
	WLAN5.5GHz	802.11a 6Mbps	Top Side	5mm	Ant 9	Full	100	5500	16.40	18.00	1.445	97	1.031	0.09	0.069	0.103
	WLAN5.5GHz	802.11a 6Mbps	Front	5mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.15	0.425	0.623
	WLAN5.5GHz	802.11a 6Mbps	Back	5mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	-0.08	0.237	0.348
	WLAN5.5GHz	802.11a 6Mbps	Right Side	5mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.07	0.254	0.372
	WLAN5.5GHz	802.11a 6Mbps	Top Side	5mm	Ant 8+9	Full	144	5720	19.47	21.00	1.422	97	1.031	0.17	0.238	0.349



15.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	GSM1900	-	-	-	-	GPRS 4 TX slots	Right Cheek	0mm	Ant 5	DSIO	Reduced	512	1850.2	21.92	22.50	1.143	-	-	-0.04	0.913	1	1.043
2nd	GSM1900	-	-	-	-	GPRS 4 TX slots	Right Cheek	0mm	Ant 5	DSIO	Reduced	512	1850.2	21.92	22.50	1.143	-	-	-0.09	0.902	1.012	1.031
1st	LTE Band 42_Part 27Q	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSIO	Reduced	42990	3540	20.26	21.00	1.186	62.9	1.006	0.06	0.902	1	1.076
2nd	LTE Band 42_Part 27Q	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 4	DSIO	Reduced	42990	3540	20.26	21.00	1.186	62.9	1.006	0.02	0.895	1.008	1.068
1st	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 5	DSIO	Reduced	349000	1745	19.47	20.00	1.130	-	-	-0.16	0.957	1	1.081
2nd	N66	40M	BPSK	108	54	DFT-15	Right Cheek	0mm	Ant 5	DSIO	Reduced	349000	1745	19.47	20.00	1.130	-	-	-0.1	0.952	1.005	1.076
1st	N7	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 3	DSIO	Reduced	509000	2545	16.72	17.50	1.197	-	-	0.13	0.847	1	1.014
2nd	N7	50M	BPSK	1	135	DFT-15	Right Cheek	0mm	Ant 3	DSIO	Reduced	509000	2545	16.72	17.50	1.197	-	-	0.07	0.833	1.017	0.997
1st	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSIO	Reduced	518598	2592.99	16.69	17.50	1.205	-	-	-0.04	0.902	1	1.087
2nd	N41	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 3	DSIO	Reduced	518598	2592.99	16.69	17.50	1.205	-	-	-0.13	0.889	1.015	1.071
1st	N77_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DSIO	Reduced	656000	3840	19.98	21.00	1.265	-	-	-0.15	0.839	1	1.061
2nd	N77_Part 27O	100M	BPSK	1	137	DFT-30	Right Cheek	0mm	Ant 2	DSIO	Reduced	656000	3840	19.98	21.00	1.265	-	-	0.02	0.791	1.061	1.000
1st	N78_Part 27O	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	-	-	-0.08	0.892	1	1.092
2nd	N78_Part 27O	100M	BPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI3	Reduced	650000	3750	24.12	25.00	1.225	-	-	0.02	0.812	1.099	0.994

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Power Reduction	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	N78_Part 27O	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	650000	3750	16.15	17.00	1.216	0.06	2.100	1	2.554
2nd	N78_Part 27O	100M	BPSK	270	0	DFT-30	Back	0mm	Ant 11	DSI1	Reduced	650000	3750	16.15	17.00	1.216	0.12	2.060	1.019	2.505
1st	LTE Band 7_Other PA	20M	QPSK	50	24	-	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.02	2.070	1	2.494
2nd	LTE Band 7_Other PA	20M	QPSK	50	24	-	Top Side	0mm	Ant 5	DSI1	Reduced	21350	2560	22.19	23.00	1.205	-0.01	2.050	1.010	2.470

General Note:

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

16. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product Specific
1.	WWAN + 2.4GHz WLAN Ant 8	Yes	Yes	Yes	Yes
2.	WWAN + 2.4GHz WLAN Ant 9	Yes	Yes	Yes	Yes
3.	WWAN + 2.4GHz WLAN Ant 8 + 2.4GHz WLAN Ant 9	Yes	Yes	Yes	Yes
4.	WWAN + 5GHz Ant 8	Yes	Yes	Yes	Yes
5.	WWAN + 5GHz Ant 9	Yes	Yes	Yes	Yes
6.	WWAN + 5GHz WLAN Ant 8 + 5GHz WLAN Ant 9	Yes	Yes	Yes	Yes
7.	5GHz WLAN Ant 8 + Bluetooth	Yes	Yes	Yes	Yes
8.	5GHz WLAN Ant 9 + Bluetooth	Yes	Yes	Yes	Yes
9.	5GHz WLAN Ant 8 + 5GHz WLAN Ant 9 + Bluetooth	Yes	Yes	Yes	Yes
10.	2.4GHz WLAN Ant 9 + Bluetooth	Yes	Yes	Yes	Yes
11.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
12.	WWAN + 2.4GHz WLAN Ant 9 + Bluetooth	Yes	Yes	Yes	Yes
13.	WWAN + 5GHz WLAN Ant 8 + Bluetooth	Yes	Yes	Yes	Yes
14.	WWAN + 5GHz WLAN Ant 9 + Bluetooth	Yes	Yes	Yes	Yes
15.	WWAN + 5GHz WLAN Ant 8 + 5GHz WLAN Ant 9 + Bluetooth	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 operation.
- WWAN above includes 5G NR bands.
- EN-DC SAR summed the standalone 5G NR SAR and LTE standalone SAR more conservatively.
- 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.
- For WLAN 2.4GHz and WLAN 5GHz support SISO and MIMO mode. For WLAN 2.4GHz 11b is limited to SISO mode only. It has no MIMO mode.
- This device 2.4GHz WLAN support 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).
- According to the EUT character, WLAN 2.4GHz Ant9 and Bluetooth can transmit simultaneously.
- According to the characteristic of EUT, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT character, WLAN 2.4GHz and WLAN 5GHz cannot 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.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
- The reported SAR summation is calculated based on the same configuration and test position.
- For WLAN 5GHz distance SAR test at Front, Back, Right and Top 5mm are only for simultaneous transmission analysis with WWAN.
- WWAN antenna always chose the worst position SAR among all WWAN bands base on head, hotspot, body and extremity at SA LTE, SA 5G NR and 1g EN-DC Combination to do co-located with WLAN/Bluetooth. It is the most conservatively evaluation.
- When EN-DC SAR co-located with WLAN/Bluetooth for head, hotspot and body-worn, chose the worst SAR among the same LTE band within all antenna per each test position and also the worst SAR of the selected 5G NR within all antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5G NR bands.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.



- iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg.
- v) The SPLSR calculated results please refer to section 16.5.

16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	6	7	8	9	1+4+9	1+6	1+7	1+8	1+8+9
		WWAN	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
WWAN All Bands	Right Cheek	1.094	0.230	0.063	0.251	0.119	1.38	1.32	1.16	1.35	1.46
	Right Tilted	1.093	0.230	0.063	0.251	0.119	1.38	1.32	1.16	1.34	1.46
	Left Cheek	0.942	0.230	0.063	0.251	0.119	1.23	1.17	1.01	1.19	1.31
	Left Tilted	0.809	0.230	0.063	0.251	0.119	1.10	1.04	0.87	1.06	1.18

WWAN Band	Exposure Position	1	3	4	9	1+3+4	1+4+9
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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)
GSM850_Ant 0	Right Cheek	0.222	0.150	0.114	0.119	0.49	0.46
	Right Tilted	0.101	0.124	0.038	0.119	0.26	0.26
	Left Cheek	0.202	0.311	0.389	0.119	0.90	0.71
	Left Tilted	0.090	0.267	0.110	0.119	0.47	0.32
GSM850_Ant 2	Right Cheek	0.492	0.150	0.114	0.119	0.76	0.73
	Right Tilted	0.074	0.124	0.038	0.119	0.24	0.23
	Left Cheek	0.721	0.311	0.389	0.119	1.42	1.23
	Left Tilted	0.081	0.267	0.110	0.119	0.46	0.31
GSM1900_Ant 1	Right Cheek	0.086	0.150	0.114	0.119	0.35	0.32
	Right Tilted	0.040	0.124	0.038	0.119	0.20	0.20
	Left Cheek	0.059	0.311	0.389	0.119	0.76	0.57
	Left Tilted	0.053	0.267	0.110	0.119	0.43	0.28
GSM1900_Ant 5	Right Cheek	1.043	0.150	0.114	0.119	1.31	1.28
	Right Tilted	0.725	0.124	0.038	0.119	0.89	0.88
	Left Cheek	0.447	0.311	0.389	0.119	1.15	0.96
	Left Tilted	0.462	0.267	0.110	0.119	0.84	0.69
WCDMA V_Ant 0	Right Cheek	0.307	0.150	0.114	0.119	0.57	0.54
	Right Tilted	0.141	0.124	0.038	0.119	0.30	0.30
	Left Cheek	0.305	0.311	0.389	0.119	1.01	0.81
	Left Tilted	0.134	0.267	0.110	0.119	0.51	0.36
WCDMA V_Ant 2	Right Cheek	0.344	0.150	0.114	0.119	0.61	0.58
	Right Tilted	0.059	0.124	0.038	0.119	0.22	0.22
	Left Cheek	0.569	0.311	0.389	0.119	1.27	1.08
	Left Tilted	0.064	0.267	0.110	0.119	0.44	0.29
WCDMA IV_Ant 1	Right Cheek	0.135	0.150	0.114	0.119	0.40	0.37
	Right Tilted	0.114	0.124	0.038	0.119	0.28	0.27
	Left Cheek	0.163	0.311	0.389	0.119	0.86	0.67
	Left Tilted	0.131	0.267	0.110	0.119	0.51	0.36
WCDMA IV_Ant 5	Right Cheek	0.964	0.150	0.114	0.119	1.23	1.20
	Right Tilted	0.660	0.124	0.038	0.119	0.82	0.82
	Left Cheek	0.422	0.311	0.389	0.119	1.12	0.93
	Left Tilted	0.581	0.267	0.110	0.119	0.96	0.81
WCDMA II_Ant 1	Right Cheek	0.129	0.150	0.114	0.119	0.39	0.36
	Right Tilted	0.117	0.124	0.038	0.119	0.28	0.27
	Left Cheek	0.166	0.311	0.389	0.119	0.87	0.67
	Left Tilted	0.147	0.267	0.110	0.119	0.52	0.38
WCDMA II_Ant 5	Right Cheek	0.930	0.150	0.114	0.119	1.19	1.16
	Right Tilted	0.646	0.124	0.038	0.119	0.81	0.80



	Left Cheek	0.428	0.311	0.389	0.119	1.13	0.94
	Left Tilted	0.423	0.267	0.110	0.119	0.80	0.65

WWAN Band	Exposure Position	1	3	4	9	1+3+4	1+4+9	Case No
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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 Band 12_Ant 0	Right Cheek	0.119	0.150	0.114	0.119	0.38	0.35	
	Right Tilted	0.033	0.124	0.038	0.119	0.20	0.19	
	Left Cheek	0.145	0.311	0.389	0.119	0.85	0.65	
	Left Tilted	0.048	0.267	0.110	0.119	0.43	0.28	
LTE Band 12_Ant 2	Right Cheek	0.774	0.150	0.114	0.119	1.04	1.01	
	Right Tilted	0.118	0.124	0.038	0.119	0.28	0.28	
	Left Cheek	0.922	0.311	0.389	0.119	1.62	1.43	case1
	Left Tilted	0.197	0.267	0.110	0.119	0.57	0.43	
LTE Band 13_Ant 0	Right Cheek	0.121	0.150	0.114	0.119	0.39	0.35	
	Right Tilted	0.041	0.124	0.038	0.119	0.20	0.20	
	Left Cheek	0.145	0.311	0.389	0.119	0.85	0.65	
	Left Tilted	0.056	0.267	0.110	0.119	0.43	0.29	
LTE Band 13_Ant 2	Right Cheek	0.723	0.150	0.114	0.119	0.99	0.96	
	Right Tilted	0.119	0.124	0.038	0.119	0.28	0.28	
	Left Cheek	0.942	0.311	0.389	0.119	1.64	1.45	case2
	Left Tilted	0.128	0.267	0.110	0.119	0.51	0.36	
LTE Band 5_Ant 0	Right Cheek	0.276	0.150	0.114	0.119	0.54	0.51	
	Right Tilted	0.166	0.124	0.038	0.119	0.33	0.32	
	Left Cheek	0.357	0.311	0.389	0.119	1.06	0.87	
	Left Tilted	0.129	0.267	0.110	0.119	0.51	0.36	
LTE Band 5_Ant 2	Right Cheek	0.485	0.150	0.114	0.119	0.75	0.72	
	Right Tilted	0.095	0.124	0.038	0.119	0.26	0.25	
	Left Cheek	0.728	0.311	0.389	0.119	1.43	1.24	
	Left Tilted	0.102	0.267	0.110	0.119	0.48	0.33	
LTE Band 26_Ant 0	Right Cheek	0.252	0.150	0.114	0.119	0.52	0.49	
	Right Tilted	0.144	0.124	0.038	0.119	0.31	0.30	
	Left Cheek	0.278	0.311	0.389	0.119	0.98	0.79	
	Left Tilted	0.117	0.267	0.110	0.119	0.49	0.35	
LTE Band 26_Ant 2	Right Cheek	0.501	0.150	0.114	0.119	0.77	0.73	
	Right Tilted	0.091	0.124	0.038	0.119	0.25	0.25	
	Left Cheek	0.768	0.311	0.389	0.119	1.47	1.28	
	Left Tilted	0.086	0.267	0.110	0.119	0.46	0.32	
LTE Band 4_Ant 0	Right Cheek	0.073	0.150	0.114	0.119	0.34	0.31	
	Right Tilted	0.060	0.124	0.038	0.119	0.22	0.22	
	Left Cheek	0.058	0.311	0.389	0.119	0.76	0.57	
	Left Tilted	0.039	0.267	0.110	0.119	0.42	0.27	
LTE Band 4_Ant 1	Right Cheek	0.175	0.150	0.114	0.119	0.44	0.41	
	Right Tilted	0.111	0.124	0.038	0.119	0.27	0.27	
	Left Cheek	0.244	0.311	0.389	0.119	0.94	0.75	
	Left Tilted	0.134	0.267	0.110	0.119	0.51	0.36	
LTE Band 4_Ant 3	Right Cheek	0.968	0.150	0.114	0.119	1.23	1.20	
	Right Tilted	0.180	0.124	0.038	0.119	0.34	0.34	
	Left Cheek	0.285	0.311	0.389	0.119	0.99	0.79	
	Left Tilted	0.085	0.267	0.110	0.119	0.46	0.31	
LTE Band 4_Ant 5	Right Cheek	1.001	0.150	0.114	0.119	1.27	1.23	
	Right Tilted	0.616	0.124	0.038	0.119	0.78	0.77	
	Left Cheek	0.509	0.311	0.389	0.119	1.21	1.02	
	Left Tilted	0.524	0.267	0.110	0.119	0.90	0.75	



LTE Band 66_Ant 0	Right Cheek	0.082	0.150	0.114	0.119	0.35	0.32	
	Right Tilted	0.055	0.124	0.038	0.119	0.22	0.21	
	Left Cheek	0.047	0.311	0.389	0.119	0.75	0.56	
	Left Tilted	0.046	0.267	0.110	0.119	0.42	0.28	
LTE Band 66_Ant 1	Right Cheek	0.103	0.150	0.114	0.119	0.37	0.34	
	Right Tilted	0.083	0.124	0.038	0.119	0.25	0.24	
	Left Cheek	0.191	0.311	0.389	0.119	0.89	0.70	
	Left Tilted	0.091	0.267	0.110	0.119	0.47	0.32	
LTE Band 66_Ant 3	Right Cheek	0.730	0.150	0.114	0.119	0.99	0.96	
	Right Tilted	0.241	0.124	0.038	0.119	0.40	0.40	
	Left Cheek	0.317	0.311	0.389	0.119	1.02	0.83	
	Left Tilted	0.170	0.267	0.110	0.119	0.55	0.40	
LTE Band 66_Ant 5	Right Cheek	0.930	0.150	0.114	0.119	1.19	1.16	
	Right Tilted	0.450	0.124	0.038	0.119	0.61	0.61	
	Left Cheek	0.357	0.311	0.389	0.119	1.06	0.87	
	Left Tilted	0.370	0.267	0.110	0.119	0.75	0.60	
LTE Band 2_Ant 1	Right Cheek	0.081	0.150	0.114	0.119	0.35	0.31	
	Right Tilted	0.070	0.124	0.038	0.119	0.23	0.23	
	Left Cheek	0.161	0.311	0.389	0.119	0.86	0.67	
	Left Tilted	0.123	0.267	0.110	0.119	0.50	0.35	
LTE Band 2_Ant 3	Right Cheek	0.960	0.150	0.114	0.119	1.22	1.19	
	Right Tilted	0.300	0.124	0.038	0.119	0.46	0.46	
	Left Cheek	0.395	0.311	0.389	0.119	1.10	0.90	
	Left Tilted	0.296	0.267	0.110	0.119	0.67	0.53	
LTE Band 7_Ant 0	Right Cheek	0.074	0.150	0.114	0.119	0.34	0.31	
	Right Tilted	0.019	0.124	0.038	0.119	0.18	0.18	
	Left Cheek	0.039	0.311	0.389	0.119	0.74	0.55	
	Left Tilted	0.024	0.267	0.110	0.119	0.40	0.25	
LTE Band 7_Ant 1	Right Cheek	0.180	0.150	0.114	0.119	0.44	0.41	
	Right Tilted	0.114	0.124	0.038	0.119	0.28	0.27	
	Left Cheek	0.338	0.311	0.389	0.119	1.04	0.85	
	Left Tilted	0.147	0.267	0.110	0.119	0.52	0.38	
LTE Band 7_Ant 3	Right Cheek	1.094	0.150	0.114	0.119	1.36	1.33	
	Right Tilted	0.253	0.124	0.038	0.119	0.42	0.41	
	Left Cheek	0.328	0.311	0.389	0.119	1.03	0.84	
	Left Tilted	0.139	0.267	0.110	0.119	0.52	0.37	
LTE Band 7_Ant 5	Right Cheek	0.874	0.150	0.114	0.119	1.14	1.11	
	Right Tilted	0.607	0.124	0.038	0.119	0.77	0.76	
	Left Cheek	0.464	0.311	0.389	0.119	1.16	0.97	
	Left Tilted	0.467	0.267	0.110	0.119	0.84	0.70	



WWAN Band	Exposure Position	1	3	4	9	1+3+4	1+4+9
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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 Band 38_Ant 0	Right Cheek	0.081	0.150	0.114	0.119	0.35	0.31
	Right Tilted	0.017	0.124	0.038	0.119	0.18	0.17
	Left Cheek	0.019	0.311	0.389	0.119	0.72	0.53
	Left Tilted	0.013	0.267	0.110	0.119	0.39	0.24
LTE Band 38_Ant 1	Right Cheek	0.148	0.150	0.114	0.119	0.41	0.38
	Right Tilted	0.108	0.124		0.119	0.23	0.23
	Left Cheek	0.221	0.311	0.389	0.119	0.92	0.73
	Left Tilted	0.108	0.267	0.110	0.119	0.49	0.34
LTE Band 38_Ant 3	Right Cheek	0.926	0.150	0.114	0.119	1.19	1.16
	Right Tilted	0.256	0.124	0.038	0.119	0.42	0.41
	Left Cheek	0.285	0.311	0.389	0.119	0.99	0.79
	Left Tilted	0.098	0.267	0.110	0.119	0.48	0.33
LTE Band 38_Ant 5	Right Cheek	1.093	0.150	0.114	0.119	1.36	1.33
	Right Tilted	0.809	0.124	0.038	0.119	0.97	0.97
	Left Cheek	0.621	0.311	0.389	0.119	1.32	1.13
	Left Tilted	0.636	0.267	0.110	0.119	1.01	0.87
LTE Band 41_Ant 0	Right Cheek	0.072	0.150	0.114	0.119	0.34	0.31
	Right Tilted	0.040	0.124	0.038	0.119	0.20	0.20
	Left Cheek	0.021	0.311	0.389	0.119	0.72	0.53
	Left Tilted	0.015	0.267	0.110	0.119	0.39	0.24
LTE Band 41_Ant 1	Right Cheek	0.191	0.150	0.114	0.119	0.46	0.42
	Right Tilted	0.113	0.124	0.038	0.119	0.28	0.27
	Left Cheek	0.248	0.311	0.389	0.119	0.95	0.76
	Left Tilted	0.110	0.267	0.110	0.119	0.49	0.34
LTE Band 41_Ant 3	Right Cheek	1.026	0.150	0.114	0.119	1.29	1.26
	Right Tilted	0.205	0.124	0.038	0.119	0.37	0.36
	Left Cheek	0.236	0.311	0.389	0.119	0.94	0.74
	Left Tilted	0.074	0.267	0.110	0.119	0.45	0.30
LTE Band 41_Ant 5	Right Cheek	1.051	0.150	0.114	0.119	1.32	1.28
	Right Tilted	0.591	0.124	0.038	0.119	0.75	0.75
	Left Cheek	0.484	0.311	0.389	0.119	1.18	0.99
	Left Tilted	0.473	0.267	0.110	0.119	0.85	0.70
LTE Band 42_Part 27Q_Ant 2	Right Cheek	0.594	0.150	0.114	0.119	0.86	0.83
	Right Tilted	0.123	0.124	0.038	0.119	0.29	0.28
	Left Cheek	0.350	0.311	0.389	0.119	1.05	0.86
	Left Tilted	0.052	0.267	0.110	0.119	0.43	0.28
LTE Band 42_Part 27Q_Ant 4	Right Cheek	0.762	0.150	0.114	0.119	1.03	1.00
	Right Tilted	1.076	0.124	0.038	0.119	1.24	1.23
	Left Cheek	0.387	0.311	0.389	0.119	1.09	0.90
	Left Tilted	0.460	0.267	0.110	0.119	0.84	0.69
LTE Band 42_Part 27Q_Ant 6	Right Cheek	0.829	0.150	0.114	0.119	1.09	1.06
	Right Tilted	0.924	0.124	0.038	0.119	1.09	1.08
	Left Cheek	0.532	0.311	0.389	0.119	1.23	1.04
	Left Tilted	0.711	0.267	0.110	0.119	1.09	0.94
LTE Band 42_Part 27Q_Ant 11	Right Cheek	0.137	0.150	0.114	0.119	0.40	0.37
	Right Tilted	0.104	0.124	0.038	0.119	0.27	0.26
	Left Cheek	0.055	0.311	0.389	0.119	0.76	0.56
	Left Tilted	0.083	0.267	0.110	0.119	0.46	0.31
N5_Ant 0	Right Cheek	0.258	0.150	0.114	0.119	0.52	0.49
	Right Tilted	0.153	0.124	0.038	0.119	0.32	0.31
	Left Cheek	0.332	0.311	0.389	0.119	1.03	0.84



N5_Ant 2	Left Tilted	0.119	0.267	0.110	0.119	0.50	0.35
	Right Cheek	0.440	0.150	0.114	0.119	0.70	0.67
	Right Tilted	0.073	0.124	0.038	0.119	0.24	0.23
	Left Cheek	0.753	0.311	0.389	0.119	1.45	1.26
N66_Ant 0	Left Tilted	0.094	0.267	0.110	0.119	0.47	0.32
	Right Cheek	0.094	0.150	0.114	0.119	0.36	0.33
	Right Tilted	0.051	0.124	0.038	0.119	0.21	0.21
	Left Cheek	0.044	0.311	0.389	0.119	0.74	0.55
N66_Ant 1	Left Tilted	0.036	0.267	0.110	0.119	0.41	0.27
	Right Cheek	0.139	0.150	0.114	0.119	0.40	0.37
	Right Tilted	0.118	0.124	0.038	0.119	0.28	0.28
	Left Cheek	0.211	0.311	0.389	0.119	0.91	0.72
N66_Ant 3	Left Tilted	0.111	0.267	0.110	0.119	0.49	0.34
	Right Cheek	1.033	0.150	0.114	0.119	1.30	1.27
	Right Tilted	0.257	0.124	0.038	0.119	0.42	0.41
	Left Cheek	0.253	0.311	0.389	0.119	0.95	0.76
N66_Ant 5	Left Tilted	0.078	0.267	0.110	0.119	0.46	0.31
	Right Cheek	1.081	0.150	0.114	0.119	1.35	1.31
	Right Tilted	0.683	0.124	0.038	0.119	0.85	0.84
	Left Cheek	0.543	0.311	0.389	0.119	1.24	1.05
N7_Ant 0	Left Tilted	0.584	0.267	0.110	0.119	0.96	0.81
	Right Cheek	0.109	0.150	0.114	0.119	0.37	0.34
	Right Tilted		0.124	0.038	0.119	0.16	0.16
	Left Cheek		0.311	0.389	0.119	0.70	0.51
N7_Ant 1	Left Tilted		0.267	0.110	0.119	0.38	0.23
	Right Cheek	0.187	0.150	0.114	0.119	0.45	0.42
	Right Tilted	0.136	0.124	0.038	0.119	0.30	0.29
	Left Cheek	0.342	0.311	0.389	0.119	1.04	0.85
N7_Ant 3	Left Tilted	0.149	0.267	0.110	0.119	0.53	0.38
	Right Cheek	1.014	0.150	0.114	0.119	1.28	1.25
	Right Tilted	0.228	0.124	0.038	0.119	0.39	0.39
	Left Cheek	0.294	0.311	0.389	0.119	0.99	0.80
N7_Ant 5	Left Tilted	0.113	0.267	0.110	0.119	0.49	0.34
	Right Cheek	0.923	0.150	0.114	0.119	1.19	1.16
	Right Tilted	0.694	0.124	0.038	0.119	0.86	0.85
	Left Cheek	0.482	0.311	0.389	0.119	1.18	0.99
N38_Ant 0	Left Tilted	0.512	0.267	0.110	0.119	0.89	0.74
	Right Cheek	0.106	0.150	0.114	0.119	0.37	0.34
	Right Tilted	0.040	0.124	0.038	0.119	0.20	0.20
	Left Cheek	0.071	0.311	0.389	0.119	0.77	0.58
N38_Ant 1	Left Tilted	0.047	0.267	0.110	0.119	0.42	0.28
	Right Cheek	0.258	0.150	0.114	0.119	0.52	0.49
	Right Tilted	0.168	0.124	0.038	0.119	0.33	0.33
	Left Cheek	0.375	0.311	0.389	0.119	1.08	0.88
N38_Ant 3	Left Tilted	0.356	0.267	0.110	0.119	0.73	0.59
	Right Cheek	1.038	0.150	0.114	0.119	1.30	1.27
	Right Tilted	0.338	0.124	0.038	0.119	0.50	0.50
	Left Cheek	0.271	0.311	0.389	0.119	0.97	0.78
N38_Ant 5	Left Tilted	0.127	0.267	0.110	0.119	0.50	0.36
	Right Cheek	0.771	0.150	0.114	0.119	1.04	1.00
	Right Tilted	0.685	0.124	0.038	0.119	0.85	0.84
	Left Cheek	0.437	0.311	0.389	0.119	1.14	0.95
N41_Ant 0	Left Tilted	0.459	0.267	0.110	0.119	0.84	0.69
	Right Cheek	0.138	0.150	0.114	0.119	0.40	0.37
	Right Tilted		0.124	0.038	0.119	0.16	0.16
	Left Cheek	0.067	0.311	0.389	0.119	0.77	0.58



N41_Ant 1	Left Tilted		0.267	0.110	0.119	0.38	0.23
	Right Cheek	0.228	0.150	0.114	0.119	0.49	0.46
	Right Tilted	0.158	0.124	0.038	0.119	0.32	0.32
	Left Cheek	0.354	0.311	0.389	0.119	1.05	0.86
	Left Tilted	0.155	0.267	0.110	0.119	0.53	0.38
N41_Ant 3	Right Cheek	1.087	0.150	0.114	0.119	1.35	1.32
	Right Tilted	0.236	0.124	0.038	0.119	0.40	0.39
	Left Cheek	0.251	0.311	0.389	0.119	0.95	0.76
	Left Tilted	0.090	0.267	0.110	0.119	0.47	0.32
N41_Ant 5	Right Cheek	1.009	0.150	0.114	0.119	1.27	1.24
	Right Tilted	0.599	0.124	0.038	0.119	0.76	0.76
	Left Cheek	0.468	0.311	0.389	0.119	1.17	0.98
	Left Tilted	0.477	0.267	0.110	0.119	0.85	0.71
N77_Part 27Q_Ant 2	Right Cheek	0.631	0.150	0.114	0.119	0.90	0.86
	Right Tilted	0.144	0.124	0.038	0.119	0.31	0.30
	Left Cheek	0.484	0.311	0.389	0.119	1.18	0.99
	Left Tilted	0.083	0.267	0.110	0.119	0.46	0.31

WWAN Band	Exposure Position	1	3	4	9	1+3+4 Summed 1g SAR (W/kg)	1+4+9 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
N77_Part 27Q_Ant 2	Right Cheek	1.061	0.150	0.114	0.119	1.33	1.29
	Right Tilted	0.206	0.124	0.038	0.119	0.37	0.36
	Left Cheek	0.573	0.311	0.389	0.119	1.27	1.08
	Left Tilted	0.135	0.267	0.110	0.119	0.51	0.36
N77_Part 27Q_Ant 4	Right Cheek	0.437	0.150	0.114	0.119	0.70	0.67
	Right Tilted	0.979	0.124		0.119	1.10	1.10
	Left Cheek	0.226	0.311	0.389	0.119	0.93	0.73
	Left Tilted	0.313	0.267	0.110	0.119	0.69	0.54
N77_Part 27Q_Ant 4	Right Cheek	0.298	0.150	0.114	0.119	0.56	0.53
	Right Tilted	0.380	0.124	0.038	0.119	0.54	0.54
	Left Cheek	0.119	0.311	0.389	0.119	0.82	0.63
	Left Tilted	0.152	0.267	0.110	0.119	0.53	0.38
N77_Part 27Q_Ant 6	Right Cheek	0.685	0.150	0.114	0.119	0.95	0.92
	Right Tilted	0.780	0.124	0.038	0.119	0.94	0.94
	Left Cheek	0.541	0.311	0.389	0.119	1.24	1.05
	Left Tilted	0.655	0.267	0.110	0.119	1.03	0.88
N77_Part 27Q_Ant 6	Right Cheek	0.592	0.150	0.114	0.119	0.86	0.83
	Right Tilted	1.072	0.124	0.038	0.119	1.23	1.23
	Left Cheek	0.529	0.311	0.389	0.119	1.23	1.04
	Left Tilted	0.579	0.267	0.110	0.119	0.96	0.81
N77_Part 27Q_Ant 11	Right Cheek	0.324	0.150	0.114	0.119	0.59	0.56
	Right Tilted	0.205	0.124	0.038	0.119	0.37	0.36
	Left Cheek	0.128	0.311	0.389	0.119	0.83	0.64
	Left Tilted	0.146	0.267	0.110	0.119	0.52	0.38
N77_Part 27Q_Ant 11	Right Cheek	0.237	0.150	0.114	0.119	0.50	0.47
	Right Tilted	0.181	0.124	0.038	0.119	0.34	0.34
	Left Cheek	0.196	0.311	0.389	0.119	0.90	0.70
	Left Tilted	0.177	0.267	0.110	0.119	0.55	0.41
N78_Part 27Q_Ant 2	Right Cheek	0.586	0.150	0.114	0.119	0.85	0.82
	Right Tilted	0.136	0.124	0.038	0.119	0.30	0.29
	Left Cheek	0.452	0.311	0.389	0.119	1.15	0.96
	Left Tilted	0.123	0.267	0.110	0.119	0.50	0.35
N78_Part 27Q_Ant 2	Right Cheek	0.824	0.150	0.114	0.119	1.09	1.06
	Right Tilted	0.252	0.124	0.038	0.119	0.41	0.41



	Left Cheek	0.611	0.311	0.389	0.119	1.31	1.12
	Left Tilted	0.130	0.267	0.110	0.119	0.51	0.36
N78_Part 27Q_Ant 4	Right Cheek	0.877	0.150	0.114	0.119	1.14	1.11
	Right Tilted	1.090	0.124	0.038	0.119	1.25	1.25
	Left Cheek	0.426	0.311	0.389	0.119	1.13	0.93
	Left Tilted	0.554	0.267	0.110	0.119	0.93	0.78
N78_Part 27O_Ant 4	Right Cheek	0.488	0.150	0.114	0.119	0.75	0.72
	Right Tilted	0.593	0.124	0.038	0.119	0.76	0.75
	Left Cheek	0.181	0.311	0.389	0.119	0.88	0.69
	Left Tilted	0.244	0.267	0.110	0.119	0.62	0.47
N78_Part 27Q_Ant 6	Right Cheek	0.767	0.150	0.114	0.119	1.03	1.00
	Right Tilted	0.912	0.124	0.038	0.119	1.07	1.07
	Left Cheek	0.626	0.311	0.389	0.119	1.33	1.13
	Left Tilted	0.746	0.267	0.110	0.119	1.12	0.98
N78_Part 27O_Ant 6	Right Cheek	0.817	0.150	0.114	0.119	1.08	1.05
	Right Tilted	1.032	0.124	0.038	0.119	1.19	1.19
	Left Cheek	0.636	0.311	0.389	0.119	1.34	1.14
	Left Tilted	0.809	0.267	0.110	0.119	1.19	1.04
N78_Part 27Q_Ant 11	Right Cheek	0.281	0.150	0.114	0.119	0.55	0.51
	Right Tilted	0.204	0.124	0.038	0.119	0.37	0.36
	Left Cheek	0.106	0.311	0.389	0.119	0.81	0.61
	Left Tilted	0.110	0.267	0.110	0.119	0.49	0.34
N78_Part 27O_Ant 11	Right Cheek	0.288	0.150	0.114	0.119	0.55	0.52
	Right Tilted	0.272	0.124	0.038	0.119	0.43	0.43
	Left Cheek	0.208	0.311	0.389	0.119	0.91	0.72
	Left Tilted	0.147	0.267	0.110	0.119	0.52	0.38
LTE Band 4_Other PA_Ant 0	Right Cheek	0.087	0.150	0.114	0.119	0.35	0.32
	Right Tilted	0.027	0.124	0.038	0.119	0.19	0.18
	Left Cheek	0.061	0.311	0.389	0.119	0.76	0.57
	Left Tilted	0.016	0.267	0.110	0.119	0.39	0.25
LTE Band 4_Other PA_Ant 5	Right Cheek	1.056	0.150	0.114	0.119	1.32	1.29
	Right Tilted	0.716	0.124	0.038	0.119	0.88	0.87
	Left Cheek	0.586	0.311	0.389	0.119	1.29	1.09
	Left Tilted	0.599	0.267	0.110	0.119	0.98	0.83
LTE Band 66_Other PA_Ant 0	Right Cheek	0.071	0.150	0.114	0.119	0.34	0.30
	Right Tilted	0.013	0.124	0.038	0.119	0.18	0.17
	Left Cheek	0.050	0.311	0.389	0.119	0.75	0.56
	Left Tilted	0.003	0.267	0.110	0.119	0.38	0.23
LTE Band 66_Other PA_Ant 5	Right Cheek	1.094	0.150	0.114	0.119	1.36	1.33
	Right Tilted	0.691	0.124	0.038	0.119	0.85	0.85
	Left Cheek	0.558	0.311	0.389	0.119	1.26	1.07
	Left Tilted	0.585	0.267	0.110	0.119	0.96	0.81
LTE Band 7_Other PA_Ant 0	Right Cheek	0.115	0.150	0.114	0.119	0.38	0.35
	Right Tilted		0.124	0.038	0.119	0.16	0.16
	Left Cheek	0.064	0.311	0.389	0.119	0.76	0.57
	Left Tilted	0.052	0.267	0.110	0.119	0.43	0.28
LTE Band 7_Other PA_Ant 5	Right Cheek	0.995	0.150	0.114	0.119	1.26	1.23
	Right Tilted	0.650	0.124	0.038	0.119	0.81	0.81
	Left Cheek	0.451	0.311	0.389	0.119	1.15	0.96
	Left Tilted	0.487	0.267	0.110	0.119	0.86	0.72



<5G NR EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	6	7	8	9	1+2+6	1+2+7	1+2+8	1+2+8+9
			WWAN	FR1	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
EN-DC LTE (Band5/66/2/7/38/41)	EN-DC FR1 (n5/66/7/78)	Right Cheek	0.604	0.607	0.230	0.063	0.251	0.119	1.44	1.27	1.46	1.58
		Right Tilted	0.465	0.600	0.230	0.063	0.251	0.119	1.30	1.13	1.32	1.44
		Left Cheek	0.519	0.604	0.230	0.063	0.251	0.119	1.35	1.19	1.37	1.49
		Left Tilted	0.416	0.428	0.230	0.063	0.251	0.119	1.07	0.91	1.10	1.21

WWAN Band	Exposure Position	1	2	3	6	7	9	1+2+6+7	1+2+7+9	1+3+6+7	1+3+7+9	Case No
		WWAN	N5_Ant 0	N5_Ant 2	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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 7_Other PA_NSA_Ant 0	Right Cheek	0.115	0.258	0.383	0.150	0.114	0.119	0.64	0.61	0.76	0.73	
	Right Tilted		0.153	0.062	0.124	0.038	0.119	0.32	0.31	0.22	0.22	
	Left Cheek	0.064	0.332	0.604	0.311	0.389	0.119	1.10	0.90	1.37	1.18	
	Left Tilted	0.052	0.119	0.090	0.267	0.110	0.119	0.55	0.40	0.52	0.37	
LTE Band 7_Other PA_NSA_Ant 1	Right Cheek	0.172	0.258	0.383	0.150	0.114	0.119	0.69	0.66	0.82	0.79	
	Right Tilted	0.131	0.153	0.062	0.124	0.038	0.119	0.45	0.44	0.36	0.35	
	Left Cheek	0.336	0.332	0.604	0.311	0.389	0.119	1.37	1.18	1.64	1.45	case 3
	Left Tilted	0.142	0.119	0.090	0.267	0.110	0.119	0.64	0.49	0.61	0.46	
LTE Band 7_Other PA_NSA_Ant 3	Right Cheek	0.570	0.258	0.383	0.150	0.114	0.119	1.09	1.06	1.22	1.19	
	Right Tilted	0.114	0.153	0.062	0.124	0.038	0.119	0.43	0.42	0.34	0.33	
	Left Cheek	0.148	0.332	0.604	0.311	0.389	0.119	1.18	0.99	1.45	1.26	
	Left Tilted		0.119	0.090	0.267	0.110	0.119	0.50	0.35	0.47	0.32	
LTE Band 7_Other PA_NSA_Ant 5	Right Cheek	0.515	0.258	0.383	0.150	0.114	0.119	1.04	1.01	1.16	1.13	
	Right Tilted	0.348	0.153	0.062	0.124	0.038	0.119	0.66	0.66	0.57	0.57	
	Left Cheek	0.254	0.332	0.604	0.311	0.389	0.119	1.29	1.09	1.56	1.37	
	Left Tilted	0.273	0.119	0.090	0.267	0.110	0.119	0.77	0.62	0.74	0.59	

WWAN Band	Exposure Position	1	2	3	4	5	6	7	9	1+2+6+7	1+2+7+9	1+3+6+7	1+3+7+9	1+4+6+7	1+4+7+9	1+5+6+7	1+5+7+9	1+7+9
		WWAN	N7_Ant 0	N7_Ant 1	N7_Ant 3	N7_Ant 5	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 5_NSA_Ant 0	Right Cheek	0.276	0.109	0.187	0.572	0.607	0.150	0.114	0.119	0.65	0.62	0.73	0.70	1.11	1.08	1.15	1.12	0.51
	Right Tilted	0.166		0.136	0.126	0.368	0.124	0.038	0.119	0.33	0.32	0.46	0.46	0.45	0.45	0.70	0.69	0.32
	Left Cheek	0.357		0.342	0.150	0.248	0.311	0.389	0.119	1.06	0.87	1.40	1.21	1.21	1.02	1.31	1.11	0.87
	Left Tilted	0.129		0.149	0.057	0.258	0.267	0.110	0.119	0.51	0.36	0.66	0.51	0.56	0.42	0.76	0.62	0.36
LTE Band 5_NSA_Ant 2	Right Cheek	0.343	0.109	0.187	0.572	0.607	0.150	0.114	0.119	0.72	0.69	0.79	0.76	1.18	1.15	1.21	1.18	0.58
	Right Tilted	0.082		0.136	0.126	0.368	0.124	0.038	0.119	0.24	0.24	0.38	0.38	0.37	0.37	0.61	0.61	0.24
	Left Cheek	0.519		0.342	0.150	0.248	0.311	0.389	0.119	1.22	1.03	1.56	1.37	1.37	1.18	1.47	1.28	1.03
	Left Tilted	0.087		0.149	0.057	0.258	0.267	0.110	0.119	0.46	0.32	0.61	0.47	0.52	0.37	0.72	0.57	0.32
LTE Band 7_NSA_Ant 1	Right Cheek	0.180	0.109	0.187	0.572	0.607	0.150	0.114	0.119	0.55	0.52	0.63	0.60	1.02	0.99	1.05	1.02	0.41
	Right Tilted	0.114		0.136	0.126	0.368	0.124	0.038	0.119	0.28	0.27	0.41	0.41	0.40	0.40	0.64	0.64	0.27
	Left Cheek	0.338		0.342	0.150	0.248	0.311	0.389	0.119	1.04	0.85	1.38	1.19	1.19	1.00	1.29	1.09	0.85
	Left Tilted	0.147		0.149	0.057	0.258	0.267	0.110	0.119	0.52	0.38	0.67	0.53	0.58	0.43	0.78	0.63	0.38
LTE Band 7_NSA_Ant 3	Right Cheek	0.604	0.109	0.187	0.572	0.607	0.150	0.114	0.119	0.98	0.95	1.06	1.02	1.44	1.41	1.48	1.44	0.84
	Right Tilted	0.201		0.136	0.126	0.368	0.124	0.038	0.119	0.36	0.36	0.50	0.49	0.49	0.48	0.73	0.73	0.36
	Left Cheek	0.165		0.342	0.150	0.248	0.311	0.389	0.119	0.87	0.67	1.21	1.02	1.02	0.82	1.11	0.92	0.67
	Left Tilted	0.063		0.149	0.057	0.258	0.267	0.110	0.119	0.44	0.29	0.59	0.44	0.50	0.35	0.70	0.55	0.29



WWAN Band	Exposure Position	1	2	3	6	7	9	1+2+6+7	1+2+7+9	1+3+6+7	1+3+7+9
		WWAN	N66_Ant 0	N66_Ant 5	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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 66_NSA_Ant 1	Right Cheek	0.103	0.094	0.579	0.150	0.114	0.119	0.46	0.43	0.95	0.92
	Right Tilted	0.083	0.051	0.356	0.124	0.038	0.119	0.30	0.29	0.60	0.60
	Left Cheek	0.191	0.044	0.274	0.311	0.389	0.119	0.94	0.74	1.17	0.97
	Left Tilted	0.091	0.036	0.310	0.267	0.110	0.119	0.50	0.36	0.78	0.63
LTE Band 66_NSA_Ant 3	Right Cheek	0.592	0.094	0.579	0.150	0.114	0.119	0.95	0.92	1.44	1.40
	Right Tilted	0.184	0.051	0.356	0.124	0.038	0.119	0.40	0.39	0.70	0.70
	Left Cheek	0.235	0.044	0.274	0.311	0.389	0.119	0.98	0.79	1.21	1.02
	Left Tilted	0.136	0.036	0.310	0.267	0.110	0.119	0.55	0.40	0.82	0.68
LTE Band 7_NSA_Ant 1	Right Cheek	0.180	0.094	0.579	0.150	0.114	0.119	0.54	0.51	1.02	0.99
	Right Tilted	0.114	0.051	0.356	0.124	0.038	0.119	0.33	0.32	0.63	0.63
	Left Cheek	0.338	0.044	0.274	0.311	0.389	0.119	1.08	0.89	1.31	1.12
	Left Tilted	0.147	0.036	0.310	0.267	0.110	0.119	0.56	0.41	0.83	0.69
LTE Band 7_NSA_Ant 3	Right Cheek	0.604	0.094	0.579	0.150	0.114	0.119	0.96	0.93	1.45	1.42
	Right Tilted	0.201	0.051	0.356	0.124	0.038	0.119	0.41	0.41	0.72	0.71
	Left Cheek	0.165	0.044	0.274	0.311	0.389	0.119	0.91	0.72	1.14	0.95
	Left Tilted	0.063	0.036	0.310	0.267	0.110	0.119	0.48	0.33	0.75	0.60

WWAN Band	Exposure Position	1	2	3	4	5	6	7	9	1+2+6+7	1+2+7+9	1+3+6+7	1+3+7+9	1+4+6+7	1+4+7+9	1+5+6+7	1+5+7+9	
		WWAN	N78_Ant 2	N78_Ant 4	N78_Ant 6	N78_Ant 11	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 5_NSA_Ant 0	Right Cheek	0.276	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.09	1.06	1.02	0.99	0.97	0.94	0.83	0.80	
	Right Tilted	0.166	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.46	0.45	0.93	0.92	0.88	0.87	0.60	0.60	
	Left Cheek	0.357	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.43	1.24	1.30	1.10	1.41	1.22	1.27	1.07	
	Left Tilted	0.129	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.59	0.44	0.81	0.66	0.93	0.79	0.65	0.51	
LTE Band 5_NSA_Ant 2	Right Cheek	0.343	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.16	1.13	1.08	1.05	1.04	1.01	0.90	0.86	
	Right Tilted	0.082	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.37	0.37	0.84	0.84	0.79	0.79	0.52	0.51	
	Left Cheek	0.519	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.59	1.40	1.46	1.27	1.58	1.38	1.43	1.24	
	Left Tilted	0.087	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.55	0.40	0.76	0.62	0.89	0.74	0.61	0.46	
LTE Band 66_NSA_Ant 1	Right Cheek	0.103	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.92	0.89	0.84	0.81	0.80	0.77	0.66	0.62	
	Right Tilted	0.083	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.37	0.37	0.85	0.84	0.79	0.79	0.52	0.51	
	Left Cheek	0.191	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.27	1.07	1.13	0.94	1.25	1.06	1.10	0.91	
	Left Tilted	0.091	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.55	0.40	0.77	0.62	0.90	0.75	0.62	0.47	
LTE Band 66_NSA_Ant 3	Right Cheek	0.592	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.41	1.38	1.33	1.30	1.29	1.26	1.14	1.11	
	Right Tilted	0.184	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.48	0.47	0.95	0.94	0.89	0.89	0.62	0.61	
	Left Cheek	0.235	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.31	1.12	1.17	0.98	1.29	1.10	1.14	0.95	
	Left Tilted	0.136	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.60	0.45	0.81	0.67	0.94	0.79	0.66	0.51	
LTE Band 2_NSA_Ant 1	Right Cheek	0.081	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.90	0.87	0.82	0.79	0.78	0.74	0.63	0.60	
	Right Tilted	0.070	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.36	0.36	0.83	0.83	0.78	0.77	0.50	0.50	
	Left Cheek	0.161	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.24	1.04	1.10	0.91	1.22	1.03	1.07	0.88	
	Left Tilted	0.123	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.58	0.44	0.80	0.65	0.93	0.78	0.65	0.50	
LTE Band 2_NSA_Ant 3	Right Cheek	0.582	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.40	1.37	1.32	1.29	1.28	1.25	1.13	1.10	
	Right Tilted	0.190	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.48	0.48	0.95	0.95	0.90	0.89	0.62	0.62	
	Left Cheek	0.231	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.31	1.11	1.17	0.98	1.29	1.10	1.14	0.95	
	Left Tilted	0.114	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.57	0.43	0.79	0.64	0.92	0.77	0.64	0.49	
LTE Band 7_NSA_Ant 0	Right Cheek	0.074	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.89	0.86	0.81	0.78	0.77	0.74	0.63	0.60	
	Right Tilted	0.019	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.31	0.31	0.78	0.78	0.73	0.72	0.45	0.45	
	Left Cheek	0.039	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.11	0.92	0.98	0.79	1.10	0.90	0.95	0.76	
	Left Tilted	0.024	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.48	0.34	0.70	0.55	0.83	0.68	0.55	0.40	



LTE Band 7_NSA_Ant 1	Right Cheek	0.180	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.00	0.96	0.92	0.89	0.87	0.84	0.73	0.70
	Right Tilted	0.114	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.41	0.40	0.88	0.87	0.82	0.82	0.55	0.54
	Left Cheek	0.338	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.41	1.22	1.28	1.09	1.40	1.20	1.25	1.05
	Left Tilted	0.147	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.61	0.46	0.82	0.68	0.95	0.80	0.67	0.52
LTE Band 7_NSA_Ant 3	Right Cheek	0.604	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.42	1.39	1.34	1.31	1.30	1.27	1.16	1.13
	Right Tilted	0.201	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.49	0.49	0.96	0.96	0.91	0.91	0.64	0.63
	Left Cheek	0.165	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.24	1.05	1.10	0.91	1.22	1.03	1.07	0.88
	Left Tilted	0.063	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.52	0.38	0.74	0.59	0.87	0.72	0.59	0.44
LTE Band 7_NSA_Ant 5	Right Cheek	0.561	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.38	1.35	1.30	1.27	1.26	1.22	1.11	1.08
	Right Tilted	0.395	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.69	0.68	1.16	1.15	1.10	1.10	0.83	0.82
	Left Cheek	0.321	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.40	1.20	1.26	1.07	1.38	1.19	1.23	1.04
	Left Tilted	0.315	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.78	0.63	0.99	0.84	1.12	0.97	0.84	0.69
LTE Band 38_NSA_Ant 0	Right Cheek	0.081	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.90	0.87	0.82	0.79	0.78	0.74	0.63	0.60
	Right Tilted	0.017	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.31	0.30	0.78	0.77	0.73	0.72	0.45	0.45
	Left Cheek	0.019	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.09	0.90	0.96	0.77	1.08	0.88	0.93	0.74
	Left Tilted	0.013	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.47	0.33	0.69	0.54	0.82	0.67	0.54	0.39
LTE Band 38_NSA_Ant 1	Right Cheek	0.148	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.96	0.93	0.89	0.86	0.84	0.81	0.70	0.67
	Right Tilted	0.108	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.40	0.39	0.87	0.87	0.82	0.81	0.54	0.54
	Left Cheek	0.221	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.30	1.10	1.16	0.97	1.28	1.09	1.13	0.94
	Left Tilted	0.108	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.57	0.42	0.79	0.64	0.91	0.77	0.63	0.48
LTE Band 38_NSA_Ant 3	Right Cheek	0.581	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.40	1.37	1.32	1.29	1.28	1.24	1.13	1.10
	Right Tilted	0.255	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.55	0.54	1.02	1.01	0.96	0.96	0.69	0.68
	Left Cheek	0.261	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.34	1.14	1.20	1.01	1.32	1.13	1.17	0.98
	Left Tilted	0.166	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.63	0.48	0.84	0.70	0.97	0.82	0.69	0.54
LTE Band 38_NSA_Ant 5	Right Cheek	0.602	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.42	1.39	1.34	1.31	1.30	1.27	1.15	1.12
	Right Tilted	0.465	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.76	0.75	1.23	1.22	1.17	1.17	0.90	0.89
	Left Cheek	0.410	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.49	1.29	1.35	1.16	1.47	1.28	1.32	1.13
	Left Tilted	0.416	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.88	0.73	1.09	0.95	1.22	1.07	0.94	0.79
LTE Band 41_NSA_Ant 0	Right Cheek	0.072	0.551	0.476	0.430	0.288	0.150	0.114	0.119	0.89	0.86	0.81	0.78	0.77	0.74	0.62	0.59
	Right Tilted	0.040	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.33	0.33	0.80	0.80	0.75	0.74	0.47	0.47
	Left Cheek	0.021	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.10	0.90	0.96	0.77	1.08	0.89	0.93	0.74
	Left Tilted	0.015	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.48	0.33	0.69	0.54	0.82	0.67	0.54	0.39
LTE Band 41_NSA_Ant 1	Right Cheek	0.191	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.01	0.98	0.93	0.90	0.89	0.85	0.74	0.71
	Right Tilted	0.113	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.40	0.40	0.88	0.87	0.82	0.82	0.55	0.54
	Left Cheek	0.248	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.32	1.13	1.19	1.00	1.31	1.11	1.16	0.96
	Left Tilted	0.110	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.57	0.42	0.79	0.64	0.92	0.77	0.63	0.49
LTE Band 41_NSA_Ant 3	Right Cheek	0.588	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.40	1.37	1.33	1.30	1.28	1.25	1.14	1.11
	Right Tilted	0.203	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.49	0.49	0.97	0.96	0.91	0.91	0.64	0.63
	Left Cheek	0.210	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.29	1.09	1.15	0.96	1.27	1.08	1.12	0.93
	Left Tilted	0.083	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.54	0.40	0.76	0.61	0.89	0.74	0.61	0.46
LTE Band 41_NSA_Ant 5	Right Cheek	0.598	0.551	0.476	0.430	0.288	0.150	0.114	0.119	1.41	1.38	1.34	1.31	1.29	1.26	1.15	1.12
	Right Tilted	0.439	0.129	0.600	0.547	0.272	0.124	0.038	0.119	0.73	0.73	1.20	1.20	1.15	1.14	0.87	0.87
	Left Cheek	0.319	0.375	0.239	0.357	0.208	0.311	0.389	0.119	1.39	1.20	1.26	1.07	1.38	1.18	1.23	1.04
	Left Tilted	0.338	0.083	0.300	0.428	0.147	0.267	0.110	0.119	0.80	0.65	1.02	0.87	1.14	1.00	0.86	0.71



<Inter UL CA>

WWAN Band	Exposure Position	1	2	6	7	8	9	1+2+6	1+2+7	1+2+8	1+2+8+9
		LTE Band 4 Ant 1&3	LTE Band 7 Ant 0&5	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
UL CA_4A-7A	Right Cheek	0.535	0.515	0.230	0.063	0.251	0.119	1.28	1.11	1.30	1.42
	Right Tilted	0.151	0.348	0.230	0.063	0.251	0.119	0.73	0.56	0.75	0.87
	Left Cheek	0.244	0.254	0.230	0.063	0.251	0.119	0.73	0.56	0.75	0.87
	Left Tilted	0.134	0.273	0.230	0.063	0.251	0.119	0.64	0.47	0.66	0.78

WWAN Band	Exposure Position	1	2	3	4	9	1+2+3+4	1+2+4+9
		LTE Band 4	LTE Band 7	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	Bluetooth Ant 8	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)
LTE Band 4_inter-CA_Ant 1	Right Cheek	0.175	0.115	0.150	0.114	0.119	0.55	0.52
	Right Tilted	0.111		0.124	0.038	0.119	0.27	0.27
	Left Cheek	0.244	0.064	0.311	0.389	0.119	1.01	0.82
	Left Tilted	0.134	0.052	0.267	0.110	0.119	0.56	0.42
LTE Band 4_inter-CA_Ant 3	Right Cheek	0.535	0.115	0.150	0.114	0.119	0.91	0.88
	Right Tilted	0.151		0.124	0.038	0.119	0.31	0.31
	Left Cheek	0.176	0.064	0.311	0.389	0.119	0.94	0.75
	Left Tilted	0.044	0.052	0.267	0.110	0.119	0.47	0.33
LTE Band 4_inter-CA_Ant 1	Right Cheek	0.175	0.515	0.150	0.114	0.119	0.95	0.92
	Right Tilted	0.111	0.348	0.124	0.038	0.119	0.62	0.62
	Left Cheek	0.244	0.254	0.311	0.389	0.119	1.20	1.01
	Left Tilted	0.134	0.273	0.267	0.110	0.119	0.78	0.64
LTE Band 4_inter-CA_Ant 3	Right Cheek	0.535	0.515	0.150	0.114	0.119	1.31	1.28
	Right Tilted	0.151	0.348	0.124	0.038	0.119	0.66	0.66
	Left Cheek	0.176	0.254	0.311	0.389	0.119	1.13	0.94
	Left Tilted	0.044	0.273	0.267	0.110	0.119	0.69	0.55

16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	4	6	7	8	9	1+4+9	1+3+4	1+6	1+7	1+8	1+8+9
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
WWAN All Bands	Front	0.566	0.116	0.077	0.117	0.061	0.151	0.054	0.70	0.76	0.68	0.63	0.72	0.77
	Back	0.992	0.215	0.188	0.058	0.063	0.126	0.127	1.31	1.40	1.05	1.06	1.12	1.25
	Left side	1.069							1.07	1.07	1.07	1.07	1.07	1.07
	Right side	0.595	0.032	0.027	0.039	0.125	0.241	0.025	0.65	0.65	0.63	0.72	0.84	0.86
	Top side	1.022	0.105	0.115	0.120	0.077	0.135	0.054	1.19	1.24	1.14	1.10	1.16	1.21
	Bottom side	0.959							0.96	0.96	0.96	0.96	0.96	0.96

<5G NR EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	6	7	8	9	1+2+4+9	1+2+3+4	1+2+6	1+2+7	1+2+8	1+2+8+9	
			WWAN	FR1	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	Summed	Summed	Summed	Summed	Summed	Summed	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
EN-DC LTE (Band5/66/2/7/38/41)	EN-DC FR1 (n5/66/7/78)	Front	0.440	0.403	0.116	0.077	0.117	0.061	0.151	0.054	0.97	1.04	0.96	0.90	0.99	1.05	
		Back	0.579	0.606	0.215	0.188	0.058	0.063	0.126	0.127	1.50	1.59	1.24	1.25	1.31	1.44	
		Left side	0.547	0.602								1.15	1.15	1.15	1.15	1.15	1.15
		Right side	0.423	0.347	0.032	0.027	0.039	0.125	0.241	0.025	0.82	0.83	0.81	0.90	1.01	1.04	
		Top side	0.418	0.566	0.105	0.115	0.120	0.077	0.135	0.054	1.15	1.20	1.10	1.06	1.12	1.17	
		Bottom side	0.546	0.514								1.06	1.06	1.06	1.06	1.06	1.06

<Inter UL CA>

WWAN Band	Exposure Position	1	2	3	4	6	7	8	9	1+2+4+9	1+2+3+4	1+2+6	1+2+7	1+2+8	1+2+8+9
		LTE Band 4 Ant 1&3	LTE Band 7 Ant 0&5	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
UL CA_4A-7A	Front	0.304	0.286	0.116	0.077	0.117	0.061	0.151	0.054	0.72	0.78	0.71	0.65	0.74	0.80
	Back	0.402	0.383	0.215	0.188	0.058	0.063	0.126	0.127	1.10	1.19	0.84	0.85	0.91	1.04
	Left side	0.360	0.089								0.45	0.45	0.45	0.45	0.45
	Right side		0.345	0.032	0.027	0.039	0.125	0.241	0.025	0.40	0.40	0.38	0.47	0.59	0.61
	Top side	0.049	0.439	0.105	0.115	0.120	0.077	0.135	0.054	0.66	0.71	0.61	0.57	0.62	0.68
	Bottom side	0.578	0.546								1.12	1.12	1.12	1.12	1.12



16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	4	6	7	8	9	1+4+9	1+3+4	1+8	1+8	1+8	1+8+9
		WWAN	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
WWAN All Bands	Front	0.659	0.070	0.061	0.263	0.143	0.383	0.016	0.74	0.79	0.92	0.80	1.04	1.06
	Back	1.092	0.092	0.084	0.142	0.116	0.258	0.037	1.21	1.27	1.23	1.21	1.35	1.39

<5G NR EN-DC>

WWAN Band	Exposure Position	1	2	3	4	6	7	8	9	1+2+4+9	1+2+3+4	1+2+6	1+2+7	1+2+8	1+2+8+9	
		WWAN	FR1	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
EN-DC LTE (Band5/66/2/7/38/41)	EN-DC FR1 (n5/66/7/78)	Front	0.502	0.515	0.070	0.061	0.263	0.143	0.383	0.016	1.09	1.15	1.28	1.16	1.40	1.42
	Back	0.598	0.668	0.092	0.084	0.142	0.116	0.258	0.037	1.39	1.44	1.41	1.38	1.52	1.56	

<Inter UL CA>

WWAN Band	Exposure Position	1	2	3	4	6	7	8	9	1+2+4+9	1+2+3+4	1+2+6	1+2+7	1+2+8	1+2+8+9
		LTE Band 4 Ant 1&3	LTE Band 7 Ant 0&5	2.4GHz WLAN Ant 8	2.4GHz WLAN Ant 9	5GHz WLAN Ant 8	5GHz WLAN Ant 9	5GHz WLAN Ant 8+9	Bluetooth Ant 8	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)
UL CA_4A-7A	Front	0.495	0.400	0.070	0.061	0.263	0.143	0.383	0.016	0.97	1.03	1.16	1.04	1.28	1.29
	Back	0.609	0.598	0.092	0.084	0.142	0.116	0.258	0.037	1.33	1.38	1.35	1.32	1.47	1.50



16.4 Product Specific 10g SAR Exposure Conditions

WWAN Band	Exposure Position	1	5	6	7	1+5	1+6	1+7
		WWAN	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
WWAN All Bands	Front	1.524	1.179	0.493	1.760	2.70	2.02	3.28
	Back	2.554	0.280	0.151	0.343	2.83	2.71	2.90
	Left side	2.518				2.52	2.52	2.52
	Right side		0.412	1.066	1.470	0.41	1.07	1.47
	Top side	2.682	0.851	0.387	1.079	3.53	3.07	3.76
	Bottom side	2.152				2.15	2.15	2.15

<5G NR EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N5_NSA Ant 0	LTE Band 7_Other PA_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side		2.494	0.851	0.387	1.079	3.35	2.88	3.57
		Bottom side						0.00	0.00	0.00
N5_NSA Ant 2	LTE Band 7_Other PA_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	0.502					0.50	0.50	0.50
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N5_NSA Ant 2	LTE Band 7_Other PA_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	0.502					0.50	0.50	0.50
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N5_NSA Ant 2	LTE Band 7_Other PA_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	0.502					0.50	0.50	0.50
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N5_NSA Ant 2	LTE Band 7_Other PA_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	0.502					0.50	0.50	0.50
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side		2.494	0.851	0.387	1.079	3.35	2.88	3.57
		Bottom side						0.00	0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N66_NSA Ant 0	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04
N66_NSA Ant 0	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N66_NSA Ant 5	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.309		0.851	0.387	1.079	3.16	2.70	3.39
		Bottom side		1.036				1.04	1.04	1.04
N66_NSA Ant 5	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.309		0.851	0.387	1.079	3.16	2.70	3.39
		Bottom side						0.00	0.00	0.00
N66_NSA Ant 0	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N66_NSA Ant 5	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.309		0.851	0.387	1.079	3.16	2.70	3.39
		Bottom side		0.701				0.70	0.70	0.70
N66_NSA Ant 5	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.309		0.851	0.387	1.079	3.16	2.70	3.39
		Bottom side						0.00	0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 270_NSA Ant 2	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 2	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 2	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116	0.777				2.89	2.89	2.89
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 4	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 4	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 4	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 6	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 6	LTE Band 5_EN-DC Ant 0	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 6	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side		0.777				0.78	0.78	0.78



		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 5_EN-DC Ant 2	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N7_NSA Ant 0	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side	2.152					2.15	2.15	2.15
N7_NSA Ant 0	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side	2.152					2.15	2.15	2.15
N7_NSA Ant 1	LTE Band 5_EN-DC Ant 0	Front	0.519		1.179	0.493	1.760	1.70	1.01	2.28
		Back	0.945		0.280	0.151	0.343	1.23	1.10	1.29
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08



N7_NSA Ant 1	LTE Band 5_EN-DC Ant 2	Bottom side	0.499				0.50	0.50	0.50	
		Front	0.519		1.179	0.493	1.760	1.70	1.01	2.28
		Back	0.945		0.280	0.151	0.343	1.23	1.10	1.29
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side	0.499					0.50	0.50	0.50
N7_NSA Ant 3	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.727		0.280	0.151	0.343	2.01	1.88	2.07
		Left side	1.400					1.40	1.40	1.40
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 3	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.727		0.280	0.151	0.343	2.01	1.88	2.07
		Left side	1.400	0.777				2.18	2.18	2.18
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 5	LTE Band 5_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.619		0.851	0.387	1.079	2.47	2.01	2.70
		Bottom side						0.00	0.00	0.00
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 5	LTE Band 5_EN-DC Ant 2	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		0.777				0.78	0.78	0.78
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.619		0.851	0.387	1.079	2.47	2.01	2.70
		Bottom side						0.00	0.00	0.00
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 0	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side	2.152	1.036				3.19	3.19	3.19
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 0	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side	2.152					2.15	2.15	2.15
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 5	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.619		0.851	0.387	1.079	2.47	2.01	2.70
		Bottom side		1.036				1.04	1.04	1.04
		Bottom side						0.00	0.00	0.00
N7_NSA Ant 5	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.619		0.851	0.387	1.079	2.47	2.01	2.70
		Bottom side						0.00	0.00	0.00
		Bottom side						0.00	0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27Q_NSA Ant 2	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27O_NSA Ant 2	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27O_NSA Ant 2	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27O_NSA Ant 4	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27Q_NSA Ant 4	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27O_NSA Ant 6	LTE Band 66_EN-DC Ant 1	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27Q_NSA Ant 6	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00



		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 66_EN-DC Ant 3	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27O_NSA Ant 11	LTE Band 66_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		0.701				0.70	0.70	0.70
N78_Part 27Q_NSA Ant 11	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 66_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27O_NSA Ant 2	LTE Band 2_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 2_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 2_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95



		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 2_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 2_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 2_EN-DC Ant 1	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 2_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 2_EN-DC Ant 3	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 2_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 2_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 2_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 2_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27O_NSA Ant 2	LTE Band 7_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 2	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27O_NSA Ant 2	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27Q_NSA Ant 4	LTE Band 7_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27O_NSA Ant 4	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27Q_NSA Ant 6	LTE Band 7_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 7_EN-DC Ant 0	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00



		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 270_NSA Ant 6	LTE Band 7_EN-DC Ant 1	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27Q_NSA Ant 11	LTE Band 7_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 7_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04
N78_Part 27O_NSA Ant 11	LTE Band 7_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side		1.036				1.04	1.04	1.04

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27Q_NSA Ant 2	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116	1.387				3.50	3.50	3.50
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 7_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08



		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 4	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 7_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 7_EN-DC Ant 3	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 7_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 7_EN-DC Ant 5	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 7_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side		1.387				1.39	1.39	1.39
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA	LTE Band 7_EN-DC	Front			1.179	0.493	1.760	1.18	0.49	1.76



Ant 11	Ant 5	Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 11	LTE Band 7_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side					0.00	0.00	0.00	

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 270_NSA Ant 2	LTE Band 38_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 2	LTE Band 38_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 38_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 38_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 270_NSA Ant 6	LTE Band 38_EN-DC Ant 0	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00



		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 38_EN-DC Ant 1	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 38_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 38_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27O_NSA Ant 2	LTE Band 38_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 38_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 38_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95



		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 38_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 3	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 38_EN-DC Ant 5	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 38_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27O_NSA Ant 2	LTE Band 41_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 41_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 41_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 41_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 41_EN-DC Ant 0	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 6	LTE Band 41_EN-DC Ant 1	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00



		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 41_EN-DC Ant 0	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 11	LTE Band 41_EN-DC Ant 1	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
			WWAN	FR1	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
N78_Part 27Q_NSA Ant 2	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116	1.595				3.71	3.71	3.71
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 2	LTE Band 41_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side	2.116					2.12	2.12	2.12
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27O_NSA Ant 4	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back			0.280	0.151	0.343	0.28	0.15	0.34
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00



		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 4	LTE Band 41_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.487		0.280	0.151	0.343	1.77	1.64	1.83
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	1.868		0.851	0.387	1.079	2.72	2.26	2.95
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 3	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.034		0.280	0.151	0.343	1.31	1.19	1.38
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.028		0.851	0.387	1.079	2.88	2.42	3.11
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 6	LTE Band 41_EN-DC Ant 5	Front	0.758		1.179	0.493	1.760	1.94	1.25	2.52
		Back	1.304		0.280	0.151	0.343	1.58	1.46	1.65
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side	2.382		0.851	0.387	1.079	3.23	2.77	3.46
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 3	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side		1.595				1.60	1.60	1.60
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	1.920		0.280	0.151	0.343	2.20	2.07	2.26
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00
N78_Part 27Q_NSA Ant 11	LTE Band 41_EN-DC Ant 5	Front			1.179	0.493	1.760	1.18	0.49	1.76
		Back	2.639		0.280	0.151	0.343	2.92	2.79	2.98
		Left side						0.00	0.00	0.00
		Right side			0.412	1.066	1.470	0.41	1.07	1.47
		Top side			0.851	0.387	1.079	0.85	0.39	1.08
		Bottom side						0.00	0.00	0.00



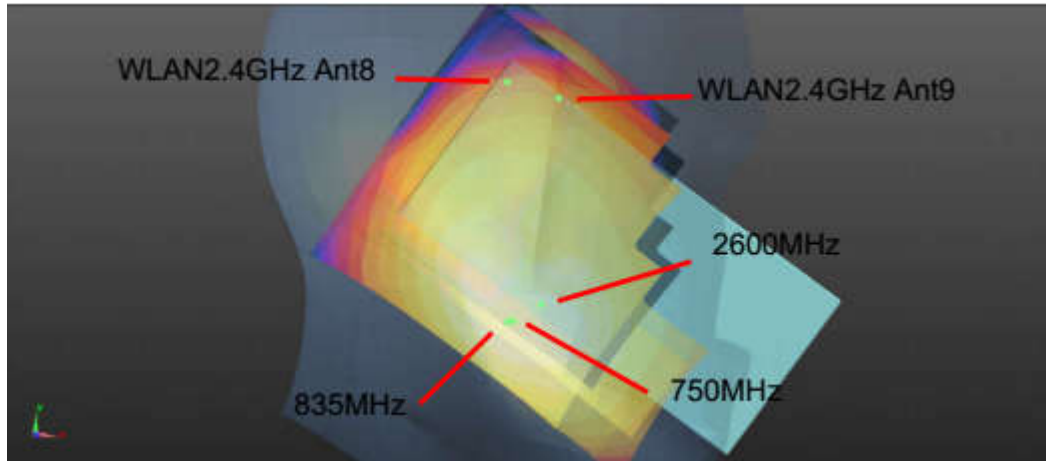
<Inter UL CA>

WWAN Band	Exposure Position	1	2	5	6	7	1+2+5	1+2+6	1+2+7
		LTE Band 4 Ant 1&3	LTE Band 7 Ant 0&5	5GHz WLAN Ant 1	5GHz WLAN Ant 2	5GHz WLAN Ant 1+2	Summed	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
UL CA_4A-7A	Front			1.179	0.493	1.760	1.18	0.49	1.76
	Back	1.788		0.280	0.151	0.343	2.07	1.94	2.13
	Left side	1.697					1.70	1.70	1.70
	Right side			0.412	1.066	1.470	0.41	1.07	1.47
	Top side		2.494	0.851	0.387	1.079	3.35	2.88	3.57
	Bottom side	1.112					1.11	1.11	1.11

16.5 SPLSR Evaluation and Analysis

General Note:

- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.



WWAN+WLAN2.4GHz_0mm

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	LTE Band 12_Ant 2	Left Cheek	0.922	0	0.0435	0.24	-0.17	92.5	1.23	0.01	Not required
	2.4GHz WLAN Ant 8		0.311	0	0.0346	0.332	-0.174				
	LTE Band 12_Ant 2	Left Cheek	0.922	0	0.0435	0.24	-0.17	91.4	1.31	0.02	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				
	2.4GHz WLAN Ant 8	Left Cheek	0.311	0	0.0346	0.332	-0.174	16.9	0.70	0.03	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				
Case 2	LTE Band 13_Ant 2	Left Cheek	0.942	0	0.0435	0.24	-0.17	92.5	1.25	0.02	Not required
	2.4GHz WLAN Ant 8		0.311	0	0.0346	0.332	-0.174				
	LTE Band 13_Ant 2	Left Cheek	0.942	0	0.0435	0.24	-0.17	91.4	1.33	0.02	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				
	2.4GHz WLAN Ant 8	Left Cheek	0.311	0	0.0346	0.332	-0.174	16.9	0.70	0.03	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 3	LTE Band 7_Other PA_NSA_Ant 1	Left Cheek	0.336	0	0.0546	0.247	-0.175	21.2	0.94	0.04	Not required
	N5_Ant 2		0.604	0	0.0362	0.237	-0.172				
	LTE Band 7_Other PA_NSA_Ant 1	Left Cheek	0.336	0	0.0546	0.247	-0.175	87.3	0.65	0.01	Not required
	2.4GHz WLAN Ant 8		0.311	0	0.0346	0.332	-0.174				
	LTE Band 7_Other PA_NSA_Ant 1	Left Cheek	0.336	0	0.0546	0.247	-0.175	84.1	0.73	0.01	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				
	N5_Ant 2	Left Cheek	0.604	0	0.0362	0.237	-0.172	95.0	0.92	0.01	Not required
	2.4GHz WLAN Ant 8		0.311	0	0.0346	0.332	-0.174				
	N5_Ant 2	Left Cheek	0.604	0	0.0362	0.237	-0.172	95.3	0.99	0.01	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				
	2.4GHz WLAN Ant 8	Left Cheek	0.311	0	0.0346	0.332	-0.174	16.9	0.70	0.03	Not required
	2.4GHz WLAN Ant 9		0.389	0	0.0515	0.331	-0.174				

Test Engineer : Hank Huang, Bin He, David Dai



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

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



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz

DUT: D750V3-SN:1099

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

Medium: HSL_750_210914 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.881 \text{ S/m}$; $\epsilon_r = 40.783$; $\rho = 1000 \text{ kg/m}^3$

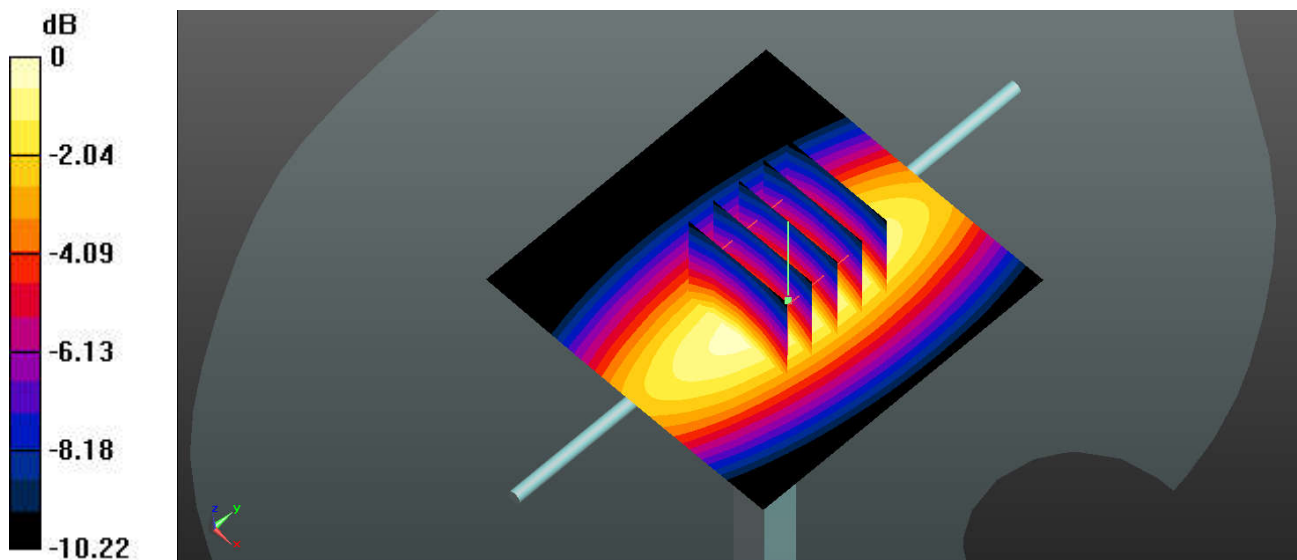
Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(10.04, 10.04, 10.04); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.92 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 55.68 V/m ; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.19 W/kg ; SAR(10 g) = 1.48 W/kg
Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 2.99 W/kg

System Check_Head_750MHz

DUT: D750V3-SN:1099

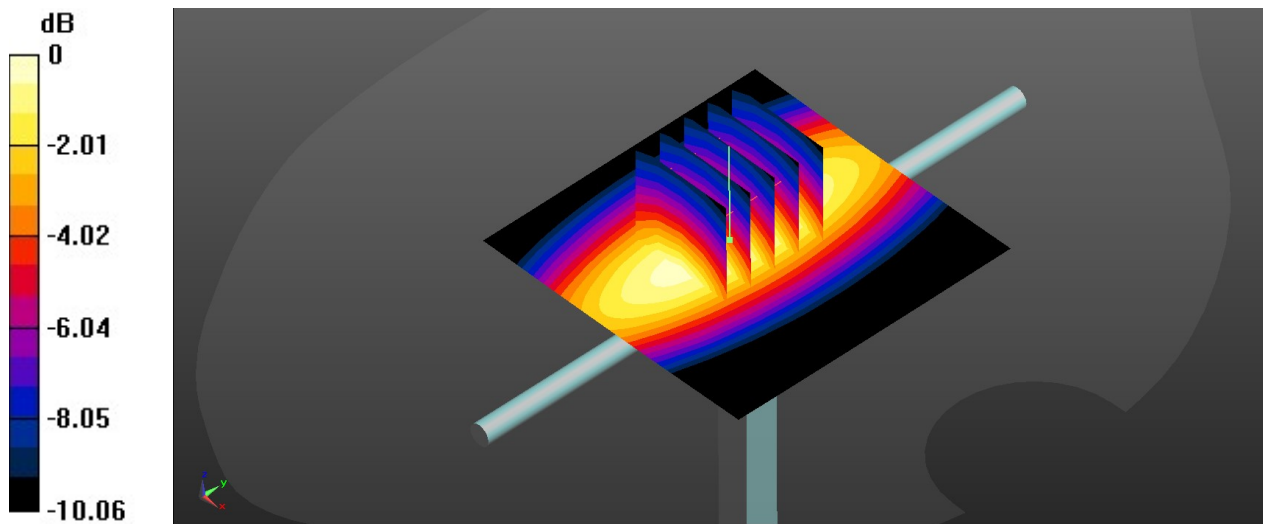
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium: HSL_750_210917 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 40.797$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(11.05, 11.05, 11.05); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.88 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 58.67 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.49 W/kg
Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg

System Check_Head_835MHz

DUT: D835V2-SN:4d162

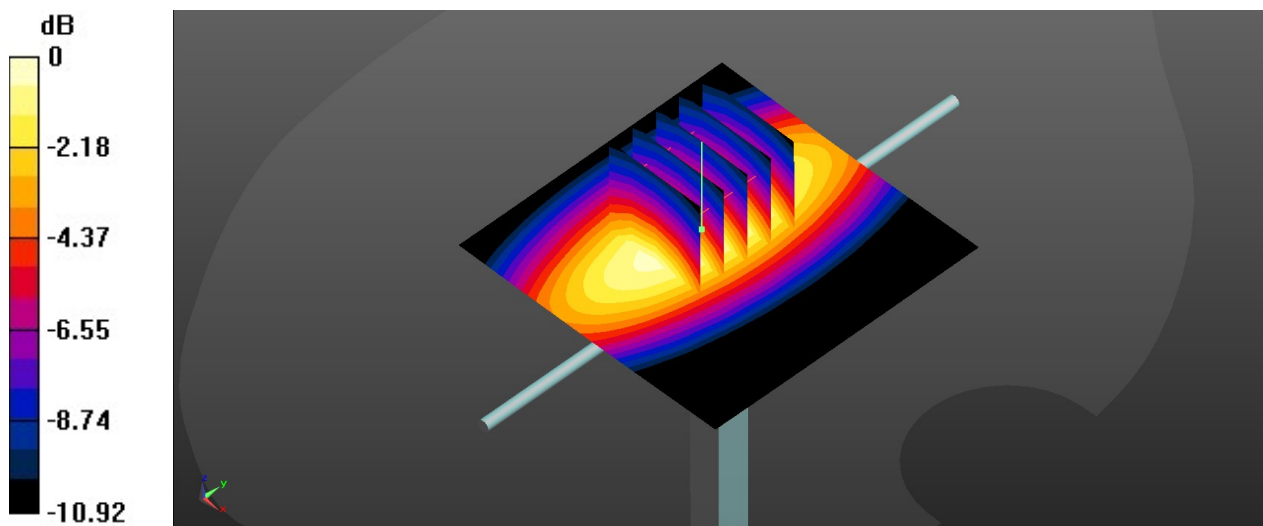
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: HSL_835_210920 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.603$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.9, 10.9, 10.9); Calibrated: 2021/3/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1664; Calibrated: 2021/3/1
- 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.19 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 57.29 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.58 W/kg
Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.24 W/kg

System Check_Head_835MHz

DUT: D835V2-SN:4d162

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

Medium: HSL_835_210921 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 42.73$; $\rho = 1000 \text{ kg/m}^3$

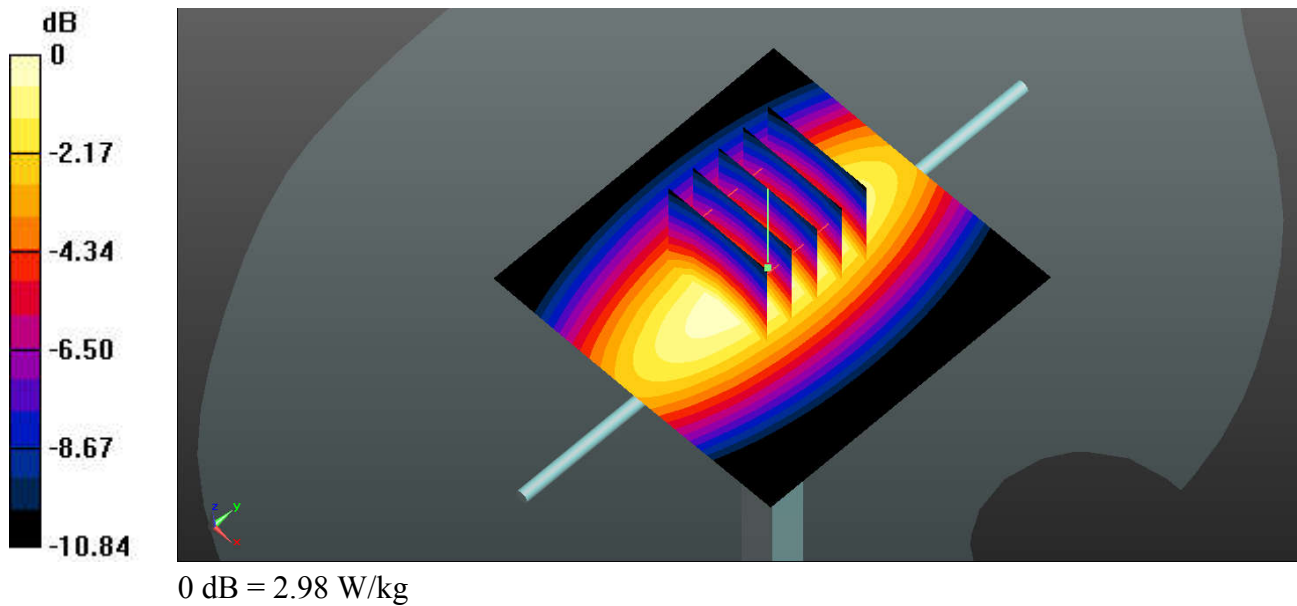
Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.98 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 56.79 V/m ; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 2.36 W/kg ; SAR(10 g) = 1.54 W/kg
Maximum value of SAR (measured) = 3.01 W/kg



System Check_Head_835MHz

DUT: D835V2-SN:4d162

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

Medium: HSL_835_210926 Medium parameters used: $f = 835$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 40.859$; $\rho = 1000$ kg/m³

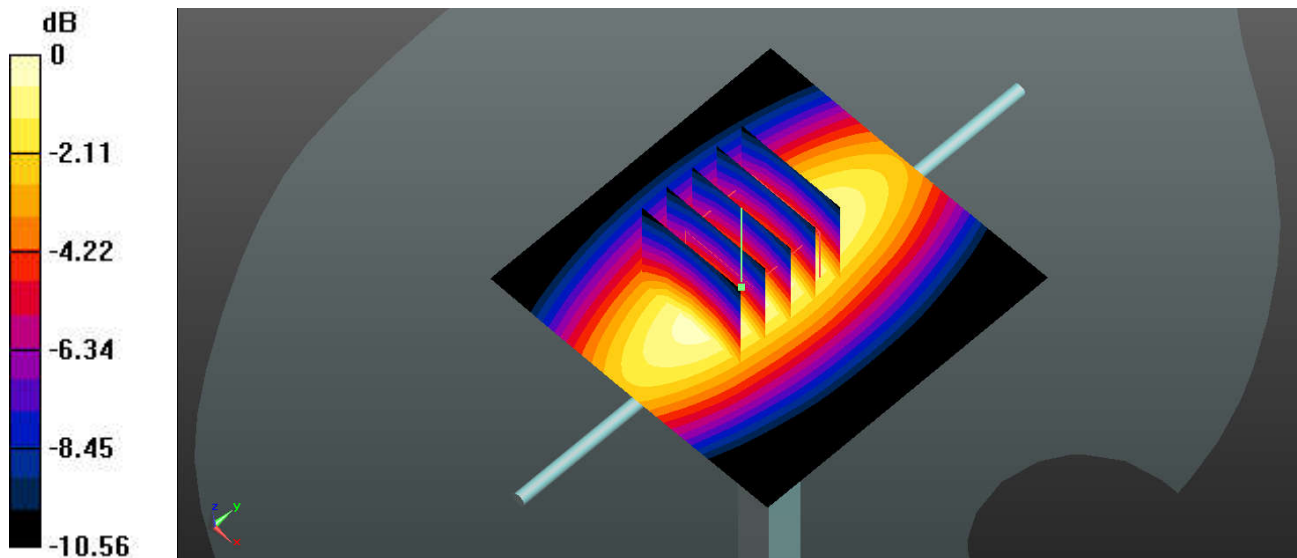
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2021/1/13
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- 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) = 2.57 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.09 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.56 W/kg
Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg