



FCC SAR Test Report

Report No. : FA380206

	LTE Band 7	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	21100	2535	16.42	17.00	1.143	-	-	-0.02	0.078	0.089
	LTE Band 7	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	21100	2535	16.42	17.00	1.143	-	-	-0.08	0.266	0.304
	LTE Band 7C	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	21100+ 21298	2535+ 2554.8	16.17	17.00	1.211	-	-	0.02	0.218	0.264
	LTE Band 7	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.01	0.121	0.140
	LTE Band 7	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.02	0.196	0.227
	LTE Band 7	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.18	0.076	0.088
	LTE Band 7	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.17	0.259	0.299
	LTE Band 7	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	21100	2535	18.64	19.00	1.086	-	-	-0.11	0.182	0.198
	LTE Band 7	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	21100	2535	18.64	19.00	1.086	-	-	-0.02	0.260	0.282
	LTE Band 7	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	21100	2535	18.64	19.00	1.086	-	-	-0.12	0.083	0.090
39	LTE Band 7	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	21100	2535	18.64	19.00	1.086	-	-	-0.19	0.321	0.349
	LTE Band 7C	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	21100+ 21298	2535+ 2554.8	18.14	19.00	1.219	-	-	0.09	0.282	0.344
	LTE Band 7	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	21100	2535	18.63	19.00	1.089	-	-	0.01	0.172	0.187
	LTE Band 7	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	21100	2535	18.63	19.00	1.089	-	-	0.09	0.258	0.281
	LTE Band 7	20M	QPSK	50	24	-	Left Side	10mm	Ant 4	DSI 4	21100	2535	18.63	19.00	1.089	-	-	0.04	0.078	0.085
	LTE Band 7	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	21100	2535	18.63	19.00	1.089	-	-	0.18	0.296	0.322
	LTE Band 7	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.1	0.110	0.127
	LTE Band 7	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.05	0.167	0.193
	LTE Band 7	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	16.37	17.00	1.156	-	-	0.02	0.215	0.249
	LTE Band 7C	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	21100+ 21298	2535+ 2554.8	16.10	17.00	1.230	-	-	0.06	0.198	0.244
	LTE Band 7	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	16.37	17.00	1.156	-	-	-	n/a	n/a
	LTE Band 7	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	21100	2535	16.36	17.00	1.159	-	-	-0.17	0.109	0.126
	LTE Band 7	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	21100	2535	16.36	17.00	1.159	-	-	0.03	0.160	0.185
	LTE Band 7	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	16.36	17.00	1.159	-	-	-0.18	0.209	0.242
	LTE Band 7	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	16.36	17.00	1.159	-	-	-	n/a	n/a
	LTE Band 38	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	38000	2595	19.98	20.50	1.127	62.9	1.006	0.14	0.147	0.167
	LTE Band 38	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	38000	2595	19.98	20.50	1.127	62.9	1.006	0.14	0.247	0.280
	LTE Band 38	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	38000	2595	19.98	20.50	1.127	62.9	1.006	-0.11	0.104	0.118
40	LTE Band 38	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	38000	2595	19.98	20.50	1.127	62.9	1.006	-0.03	0.341	0.387
	LTE Band 38C	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	37901+ 38099	2585.1+ 2604.9	19.42	20.50	1.282	62.9	1.006	0.06	0.298	0.384
	LTE Band 38	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	38000	2595	19.96	20.50	1.132	62.9	1.006	0.03	0.143	0.163
	LTE Band 38	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	38000	2595	19.96	20.50	1.132	62.9	1.006	-0.18	0.243	0.277
	LTE Band 38	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	38000	2595	19.96	20.50	1.132	62.9	1.006	0.08	0.103	0.117
	LTE Band 38	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	38000	2595	19.96	20.50	1.132	62.9	1.006	-0.07	0.335	0.382
	LTE Band 41	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	40620	2593	20.66	21.50	1.213	62.9	1.006	-0.03	0.073	0.089
	LTE Band 41	20M	QPSK	1	49	-	Back	10mm	Ant 2	DSI 4	40620	2593	20.66	21.50	1.213	62.9	1.006	0.13	0.120	0.146
	LTE Band 41	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	40620	2593	20.66	21.50	1.213	62.9	1.006	-0.15	0.217	0.265
	LTE Band 38C	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	37901+ 38099	2585.1+ 2604.9	20.26	21.50	1.330	62.9	1.006	0.01	0.195	0.261
	LTE Band 41	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	40620	2593	19.63	20.50	1.222	62.9	1.006	0.12	0.059	0.073
	LTE Band 41	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	40620	2593	19.63	20.50	1.222	62.9	1.006	0.02	0.102	0.125
	LTE Band 41	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	40620	2593	19.63	20.50	1.222	62.9	1.006	0.11	0.179	0.220
	LTE Band 41	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	40620	2593	18.99	19.50	1.125	62.9	1.006	0.02	0.120	0.136
	LTE Band 41	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	40620	2593	18.99	19.50	1.125	62.9	1.006	-0.07	0.199	0.225
	LTE Band 41	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	40620	2593	18.99	19.50	1.125	62.9	1.006	-0.14	0.075	0.085
	LTE Band 41	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	40620	2593	18.99	19.50	1.125	62.9	1.006	0.14	0.283	0.320
	LTE Band 41	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	40620	2593	18.95	19.50	1.135	62.9	1.006	0.12	0.116	0.132
	LTE Band 41	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	40620	2593	18.95	19.50	1.135	62.9	1.006	-0.18	0.195	0.223
	LTE Band 41	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	40620	2593	18.95	19.50	1.135	62.9	1.006	-0.19	0.073	0.083
	LTE Band 41	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	40620	2593	18.95	19.50	1.135	62.9	1.006	-0.09	0.280	0.320
	LTE Band 41	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	40620	2593	22.74	23.00	1.062	62.9	1.006	-0.17	0.293	0.313
	LTE Band 41	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	40620	2593	22.74	23.00	1.062	62.9	1.006	0.03	0.435	0.465
	LTE Band 41	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	40620	2593	22.74	23.00	1.062	62.9	1.006	-0.07	0.121	0.129
41	LTE Band 41	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	40620	2593	22.74	23.00	1.062	62.9	1.006	0.04	0.481	0.514
	LTE Band 38C	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	37901+ 38099	2585.1+ 2604.9	22.06	23.00	1.242	62.9	1.006	0.01	0.405	0.506



FCC SAR Test Report

Report No. : FA380206

	LTE Band 41	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	40620	2593	22.40	23.00	1.148	62.9	1.006	0.1	0.287	0.331
	LTE Band 41	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	40620	2593	22.40	23.00	1.148	62.9	1.006	-0.06	0.430	0.497
	LTE Band 41	20M	QPSK	50	24	-	Left Side	10mm	Ant 4	DSI 4	40620	2593	22.40	23.00	1.148	62.9	1.006	0.05	0.119	0.137
	LTE Band 41	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	40620	2593	22.40	23.00	1.148	62.9	1.006	0.06	0.431	0.498
	LTE Band 41	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	40620	2593	18.67	19.00	1.079	62.9	1.006	-0.14	0.081	0.088
	LTE Band 41	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	40620	2593	18.67	19.00	1.079	62.9	1.006	-0.15	0.130	0.141
	LTE Band 41	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	40620	2593	18.67	19.00	1.079	62.9	1.006	0.05	0.199	0.216
	LTE Band 38C	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	37901+38099	2585.1+2604.9	17.89	19.00	1.291	62.9	1.006	0.02	0.162	0.210
	LTE Band 41	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	40620	2593	18.67	19.00	1.079	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	40620	2593	18.61	19.00	1.094	62.9	1.006	0.07	0.079	0.087
	LTE Band 41	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	40620	2593	18.61	19.00	1.094	62.9	1.006	0.18	0.128	0.141
	LTE Band 41	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	40620	2593	18.61	19.00	1.094	62.9	1.006	-0.06	0.195	0.215
	LTE Band 41	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	40620	2593	18.61	19.00	1.094	62.9	1.006	-	n/a	n/a
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	-0.13	0.111	0.133
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	0.08	0.181	0.216
	FR1 n7	50M	QPSK	1	135	DFT-15	Right Side	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	0.13	0.364	0.435
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	-0.14	0.111	0.133
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	0.09	0.208	0.249
	FR1 n7	50M	QPSK	135	68	DFT-15	Right Side	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	0.04	0.372	0.446
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 3	DSI 4	507000	2535	16.69	17.50	1.205	-	-	0.04	0.148	0.178
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 3	DSI 4	507000	2535	16.69	17.50	1.205	-	-	-0.07	0.224	0.270
	FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 3	DSI 4	507000	2535	16.69	17.50	1.205	-	-	0.18	0.079	0.095
	FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	10mm	Ant 3	DSI 4	507000	2535	16.69	17.50	1.205	-	-	-0.17	0.314	0.378
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI 4	507000	2535	16.64	17.50	1.219	-	-	-0.13	0.147	0.179
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI 4	507000	2535	16.64	17.50	1.219	-	-	-0.19	0.221	0.269
	FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 3	DSI 4	507000	2535	16.64	17.50	1.219	-	-	-0.19	0.088	0.107
	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	10mm	Ant 3	DSI 4	507000	2535	16.64	17.50	1.219	-	-	0.09	0.312	0.380
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	-0.02	0.267	0.302
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	0.06	0.373	0.421
	FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	-0.09	0.115	0.130
	FR1 n7	50M	QPSK	1	135	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	0.05	0.410	0.463
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	0.06	0.288	0.328
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	-0.03	0.418	0.477
	FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	-0.15	0.098	0.112
42	FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	0.15	0.421	0.480
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 5	DSI 4	507000	2535	17.40	18.00	1.148	-	-	0.1	0.145	0.166
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 5	DSI 4	507000	2535	17.40	18.00	1.148	-	-	0.19	0.205	0.235
	FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 5	DSI 4	507000	2535	17.40	18.00	1.148	-	-	-0.04	0.256	0.294
	FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	10mm	Ant 5	DSI 4	507000	2535	17.40	18.00	1.148	-	-	-0.09	0.059	0.068
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 5	DSI 4	507000	2535	17.38	18.00	1.153	-	-	0.11	0.135	0.156
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 5	DSI 4	507000	2535	17.38	18.00	1.153	-	-	0.19	0.207	0.239
	FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 5	DSI 4	507000	2535	17.38	18.00	1.153	-	-	-0.09	0.247	0.285
	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	10mm	Ant 5	DSI 4	507000	2535	17.38	18.00	1.153	-	-	-0.16	0.060	0.069
	FR1 n38	40M	QPSK	1	53	DFT-30	Front	10mm	Ant 3	DSI 4	519000	2595	17.28	18.00	1.180	-	-	-0.19	0.141	0.166
	FR1 n38	40M	QPSK	1	53	DFT-30	Back	10mm	Ant 3	DSI 4	519000	2595	17.28	18.00	1.180	-	-	-0.01	0.240	0.283
	FR1 n38	40M	QPSK	1	53	DFT-30	Left Side	10mm	Ant 3	DSI 4	519000	2595	17.28	18.00	1.180	-	-	0.07	0.116	0.137
	FR1 n38	40M	QPSK	1	53	DFT-30	Top Side	10mm	Ant 3	DSI 4	519000	2595	17.28	18.00	1.180	-	-	-0.03	0.300	0.354
	FR1 n38	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 3	DSI 4	519000	2595	17.25	18.00	1.189	-	-	-0.09	0.153	0.182
	FR1 n38	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 3	DSI 4	519000	2595	17.25	18.00	1.189	-	-	0.13	0.253	0.301
	FR1 n38	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 3	DSI 4	519000	2595	17.25	18.00	1.189	-	-	0.09	0.122	0.145
	FR1 n38	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 3	DSI 4	519000	2595	17.25	18.00	1.189	-	-	-0.03	0.302	0.359
	FR1 n38	40M	QPSK	1	53	DFT-30	Front	10mm	Ant 5	DSI 4	519000	2595	18.89	19.50	1.151	-	-	-0.06	0.167	0.192
	FR1 n38	40M	QPSK	1	53	DFT-30	Back	10mm	Ant 5	DSI 4	519000	2595	18.89	19.50	1.151	-	-	0.03	0.240	0.276
	FR1 n38	40M	QPSK	1	53	DFT-30	Left Side	10mm	Ant 5	DSI 4	519000	2595	18.89	19.50	1.151	-	-	0.09	0.384	0.442
	FR1 n38	40M	QPSK	1	53	DFT-30	Top Side	10mm	Ant 5	DSI 4	519000	2595	18.89	19.50	1.151	-	-	0.19	0.061	0.070
	FR1 n38	40M	QPSK	50	28	DFT-30	Front	10mm	Ant 5	DSI 4	519000	2595	18.86	19.50	1.159	-	-	0.19	0.173	0.200



FCC SAR Test Report

Report No. : FA380206

	FR1 n38	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 5	DSI 4	519000	2595	18.86	19.50	1.159	-	-	-0.04	0.253	0.293
43	FR1 n38	40M	QPSK	50	28	DFT-30	Left Side	10mm	Ant 5	DSI 4	519000	2595	18.86	19.50	1.159	-	-	0.01	0.407	0.472
	FR1 n38	40M	QPSK	50	28	DFT-30	Top Side	10mm	Ant 5	DSI 4	519000	2595	18.86	19.50	1.159	-	-	0.11	0.063	0.073
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.04	0.085	0.095
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.1	0.150	0.168
	FR1 n41	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.08	0.262	0.294
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	0.16	0.130	0.158
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	0.19	0.245	0.297
	FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	-0.01	0.425	0.516
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI 4	518598	2592.99	16.83	17.50	1.167	-	-	-0.12	0.127	0.148
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI 4	518598	2592.99	16.83	17.50	1.167	-	-	0.18	0.220	0.257
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 3	DSI 4	518598	2592.99	16.83	17.50	1.167	-	-	0.12	0.073	0.085
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI 4	518598	2592.99	16.83	17.50	1.167	-	-	-0.11	0.259	0.302
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 4	518598	2592.99	16.82	17.50	1.169	-	-	0.13	0.129	0.151
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 4	518598	2592.99	16.82	17.50	1.169	-	-	0.01	0.209	0.244
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 4	518598	2592.99	16.82	17.50	1.169	-	-	0.19	0.108	0.126
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 4	518598	2592.99	16.82	17.50	1.169	-	-	0.02	0.269	0.315
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.16	0.263	0.291
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.01	0.375	0.415
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	-0.17	0.118	0.131
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.11	0.496	0.549
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.17	0.275	0.308
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.04	0.394	0.441
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.1	0.131	0.147
44	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	-0.09	0.551	0.617
	FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	10mm	Ant 4	DSI 4	518598	2592.99	20.47	21.00	1.130	-	-	0.03	0.505	0.571
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI 4	518598	2592.99	18.38	19.00	1.153	-	-	-0.03	0.121	0.140
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI 4	518598	2592.99	18.38	19.00	1.153	-	-	-0.05	0.201	0.232
	FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI 4	518598	2592.99	18.38	19.00	1.153	-	-	-0.17	0.324	0.374
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 5	DSI 4	518598	2592.99	18.38	19.00	1.153	-	-	0.01	0.051	0.059
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 4	518598	2592.99	18.33	19.00	1.167	-	-	-0.19	0.137	0.160
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 4	518598	2592.99	18.33	19.00	1.167	-	-	0.14	0.216	0.252
	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI 4	518598	2592.99	18.33	19.00	1.167	-	-	0.11	0.367	0.428
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 4	518598	2592.99	18.33	19.00	1.167	-	-	-0.19	0.059	0.069
3000MHz-4000MHz																				
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI 4	633332	3499.98	16.92	17.50	1.143	-	-	-0.15	0.125	0.143
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI 4	633332	3499.98	16.92	17.50	1.143	-	-	-0.19	0.160	0.183
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	16.92	17.50	1.143	-	-	-0.06	0.351	0.401
45	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	20.23	20.50	1.064	50	1.000	0.09	0.396	0.421
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI 4	633332	3499.98	16.85	17.50	1.161	-	-	-0.18	0.121	0.141
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI 4	633332	3499.98	16.85	17.50	1.161	-	-	0.13	0.155	0.180
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	16.85	17.50	1.161	-	-	-0.12	0.294	0.341
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI 4	656000	3840	16.50	17.50	1.259	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI 4	656000	3840	16.50	17.50	1.259	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	656000	3840	16.50	17.50	1.259	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI 4	656000	3840	16.42	17.50	1.282	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI 4	656000	3840	16.42	17.50	1.282	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI 4	656000	3840	16.42	17.50	1.282	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	633332	3499.98	13.60	14.50	1.230	-	-	0.06	0.107	0.132
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	633332	3499.98	13.60	14.50	1.230	-	-	-0.1	0.211	0.260
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 6	DSI 4	633332	3499.98	13.60	14.50	1.230	-	-	0.01	0.175	0.215
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	633332	3499.98	13.60	14.50	1.230	-	-	-0.14	0.218	0.268
	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	633332	3499.98	17.46	17.50	1.009	50	1.000	0.19	0.254	0.256
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	633332	3499.98	13.55	14.50	1.245	-	-	0.14	0.103	0.128
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	633332	3499.98	13.55	14.50	1.245	-	-	-0.05	0.201	0.250



FCC SAR Test Report

Report No. : FA380206

FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 6	DSI 4	633332	3499.98	13.55	14.50	1.245	-	-	-0.1	0.158	0.197
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	633332	3499.98	13.55	14.50	1.245	-	-	0.16	0.211	0.263
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	656000	3840	13.51	14.50	1.256	-	-	-0.12	0.077	0.097
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	656000	3840	13.51	14.50	1.256	-	-	0.13	0.170	0.214
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 6	DSI 4	656000	3840	13.51	14.50	1.256	-	-	0.13	0.101	0.127
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	656000	3840	13.51	14.50	1.256	-	-	0.18	0.140	0.176
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	656000	3840	13.48	14.50	1.265	-	-	0.17	0.074	0.094
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	656000	3840	13.48	14.50	1.265	-	-	0.19	0.164	0.207
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 6	DSI 4	656000	3840	13.48	14.50	1.265	-	-	-0.07	0.098	0.124
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	656000	3840	13.48	14.50	1.265	-	-	0.04	0.135	0.171
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 7	DSI 4	633332	3499.98	13.01	13.80	1.199	-	-	-0.1	0.050	0.060
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 7	DSI 4	633332	3499.98	13.01	13.80	1.199	-	-	-0.04	0.064	0.077
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	633332	3499.98	13.01	13.80	1.199	-	-	-0.19	0.112	0.134
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 4	633332	3499.98	12.92	13.80	1.225	-	-	0.07	0.048	0.059
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 4	633332	3499.98	12.92	13.80	1.225	-	-	0.02	0.062	0.076
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 4	633332	3499.98	12.92	13.80	1.225	-	-	-0.17	0.108	0.132
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 7	DSI 4	656000	3840	12.95	13.80	1.216	-	-	-0.02	0.061	0.074
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 7	DSI 4	656000	3840	12.95	13.80	1.216	-	-	-0.06	0.086	0.105
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	656000	3840	12.95	13.80	1.216	-	-	0.07	0.156	0.190
FR1 n77 Part27Q PC2	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	656000	3840	16.27	16.80	1.130	50	1.000	0.02	0.166	0.188
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 4	656000	3840	12.87	13.80	1.239	-	-	0.13	0.059	0.073
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 4	656000	3840	12.87	13.80	1.239	-	-	0.1	0.083	0.103
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 4	656000	3840	12.87	13.80	1.239	-	-	-0.15	0.144	0.178
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 8	DSI 4	633332	3499.98	15.35	16.00	1.161	-	-	-0.09	0.097	0.113
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 8	DSI 4	633332	3499.98	15.35	16.00	1.161	-	-	-0.16	0.110	0.128
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	15.35	16.00	1.161	-	-	0.12	0.210	0.244
FR1 n77 Part27Q PC2	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	18.82	19.00	1.042	50	1.000	-0.16	0.233	0.243
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	DSI 4	633332	3499.98	15.30	16.00	1.175	-	-	0.02	0.094	0.110
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	DSI 4	633332	3499.98	15.30	16.00	1.175	-	-	-0.1	0.107	0.126
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	15.30	16.00	1.175	-	-	-0.03	0.191	0.224
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 8	DSI 4	656000	3840	15.25	16.00	1.189	-	-	-	n/a	n/a
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 8	DSI 4	656000	3840	15.25	16.00	1.189	-	-	0.1	0.078	0.093
FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	656000	3840	15.25	16.00	1.189	-	-	0.02	0.112	0.133
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	DSI 4	656000	3840	15.21	16.00	1.199	-	-	-	n/a	n/a
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	DSI 4	656000	3840	15.21	16.00	1.199	-	-	0.17	0.076	0.091
FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 8	DSI 4	656000	3840	15.21	16.00	1.199	-	-	0.09	0.109	0.131



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	10mm	Ant 9	Simultaneous	0	2402	15.20	16.00	1.202	76.6	1.305	-0.04	0.063	0.099
	Bluetooth	DH5 1Mbps	Back	10mm	Ant 9	Simultaneous	0	2402	15.20	16.00	1.202	76.6	1.305	0.14	0.068	0.107
	Bluetooth	DH5 1Mbps	Right Side	10mm	Ant 9	Simultaneous	0	2402	15.20	16.00	1.202	76.6	1.305	-0.05	0.041	0.065
46	Bluetooth	DH5 1Mbps	Top Side	10mm	Ant 9	Simultaneous	0	2402	15.20	16.00	1.202	76.6	1.305	0.08	0.082	0.128
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 9+8	Simultaneous	6	2437	21.47	22.00	1.130	99.47	1.005	0.12	0.427	0.485
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 9+8	Simultaneous	6	2437	21.47	22.00	1.130	99.47	1.005	0.01	0.436	0.495
47	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 9+8	Simultaneous	6	2437	21.47	22.00	1.130	99.47	1.005	-0.01	0.484	0.550
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 9+8	Simultaneous	6	2437	21.47	22.00	1.130	99.47	1.005	0.02	0.374	0.425
5000MHz																
	WLAN5.2GHz	802.11a 6Mbps	Front	10mm	Ant 10+11	Simultaneous	36	5180	17.76	18.50	1.186	96.98	1.031	0.03	0.123	0.150
	WLAN5.2GHz	802.11a 6Mbps	Back	10mm	Ant 10+11	Simultaneous	36	5180	17.76	18.50	1.186	96.98	1.031	0.07	0.145	0.177
	WLAN5.2GHz	802.11a 6Mbps	Right Side	10mm	Ant 10+11	Simultaneous	36	5180	17.76	18.50	1.186	96.98	1.031	-0.16	0.170	0.208
48	WLAN5.2GHz	802.11a 6Mbps	Top Side	10mm	Ant 10+11	Simultaneous	36	5180	17.76	18.50	1.186	96.98	1.031	-0.05	0.220	0.269
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	10mm	Ant 10+11	Simultaneous	159	5795	15.02	16.00	1.253	95.52	1.047	0.18	0.097	0.127
	WLAN5.8GHz	802.11n-HT40 MCS0	Back	10mm	Ant 10+11	Simultaneous	159	5795	15.02	16.00	1.253	95.52	1.047	0.04	0.146	0.192
	WLAN5.8GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 10+11	Simultaneous	159	5795	15.02	16.00	1.253	95.52	1.047	0.06	0.113	0.148
49	WLAN5.8GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 10+11	Simultaneous	159	5795	15.02	16.00	1.253	95.52	1.047	0.05	0.219	0.287

<ENDC/ULCA>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Front	10mm	Ant 0	DSI 4	23095	707.5	23.69	24.50	1.205	-	-	0.13	0.147	0.177
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Back	10mm	Ant 0	DSI 4	23095	707.5	23.69	24.50	1.205	-	-	0.02	0.179	0.216
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Right Side	10mm	Ant 0	DSI 4	23095	707.5	23.69	24.50	1.205	-	-	0.13	0.140	0.169
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Bottom Side	10mm	Ant 0	DSI 4	23095	707.5	23.69	24.50	1.205	-	-	-0.09	0.071	0.086
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Front	10mm	Ant 0	DSI 4	23095	707.5	22.71	23.50	1.199	-	-	0.04	0.119	0.143
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Back	10mm	Ant 0	DSI 4	23095	707.5	22.71	23.50	1.199	-	-	-0.07	0.141	0.169
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Right Side	10mm	Ant 0	DSI 4	23095	707.5	22.71	23.50	1.199	-	-	-0.11	0.111	0.133
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Bottom Side	10mm	Ant 0	DSI 4	23095	707.5	22.71	23.50	1.199	-	-	0.15	0.059	0.071
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Front	10mm	Ant 1	DSI 4	23095	707.5	23.95	24.50	1.135	-	-	0.03	0.212	0.241
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Back	10mm	Ant 1	DSI 4	23095	707.5	23.95	24.50	1.135	-	-	-0.04	0.254	0.288
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Left Side	10mm	Ant 1	DSI 4	23095	707.5	23.95	24.50	1.135	-	-	0.05	0.497	0.564
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Top Side	10mm	Ant 1	DSI 4	23095	707.5	23.95	24.50	1.135	-	-	-	n/a	n/a
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Front	10mm	Ant 1	DSI 4	23095	707.5	22.93	23.50	1.140	-	-	-0.15	0.165	0.188
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Back	10mm	Ant 1	DSI 4	23095	707.5	22.93	23.50	1.140	-	-	0.12	0.198	0.226
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Left Side	10mm	Ant 1	DSI 4	23095	707.5	22.93	23.50	1.140	-	-	0.08	0.388	0.442
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Top Side	10mm	Ant 1	DSI 4	23095	707.5	22.93	23.50	1.140	-	-	-	n/a	n/a
835MHz																				
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Front	10mm	Ant 0	DSI 4	26865	831.5	24.14	25.00	1.219	-	-	0.18	0.266	0.324
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Back	10mm	Ant 0	DSI 4	26865	831.5	24.14	25.00	1.219	-	-	0.03	0.330	0.402
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Right Side	10mm	Ant 0	DSI 4	26865	831.5	24.14	25.00	1.219	-	-	0.13	0.217	0.265
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Bottom Side	10mm	Ant 0	DSI 4	26865	831.5	24.14	25.00	1.219	-	-	-0.02	0.212	0.258
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Front	10mm	Ant 0	DSI 4	26865	831.5	23.08	24.00	1.236	-	-	0.12	0.202	0.250
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Back	10mm	Ant 0	DSI 4	26865	831.5	23.08	24.00	1.236	-	-	0.11	0.254	0.314
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Right Side	10mm	Ant 0	DSI 4	26865	831.5	23.08	24.00	1.236	-	-	-0.15	0.166	0.205
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Bottom Side	10mm	Ant 0	DSI 4	26865	831.5	23.08	24.00	1.236	-	-	-0.06	0.162	0.200
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Front	10mm	Ant 1	DSI 4	26865	831.5	21.38	22.00	1.153	-	-	0.11	0.211	0.243
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Back	10mm	Ant 1	DSI 4	26865	831.5	21.38	22.00	1.153	-	-	0.17	0.254	0.293



FCC SAR Test Report

Report No. : FA380206

LTE Band 26 Other PA	15M	QPSK	1	37	-	Left Side	10mm	Ant 1	DSI 4	26865	831.5	21.38	22.00	1.153	-	-	0.09	0.428	0.494
LTE Band 26 Other PA	15M	QPSK	1	37	-	Top Side	10mm	Ant 1	DSI 4	26865	831.5	21.38	22.00	1.153	-	-	-	n/a	n/a
LTE Band 26 Other PA	15M	QPSK	36	20	-	Front	10mm	Ant 1	DSI 4	26865	831.5	21.37	22.00	1.156	-	-	-0.13	0.209	0.242
LTE Band 26 Other PA	15M	QPSK	36	20	-	Back	10mm	Ant 1	DSI 4	26865	831.5	21.37	22.00	1.156	-	-	-0.08	0.252	0.291
LTE Band 26 Other PA	15M	QPSK	36	20	-	Left Side	10mm	Ant 1	DSI 4	26865	831.5	21.37	22.00	1.156	-	-	0.14	0.422	0.488
LTE Band 26 Other PA	15M	QPSK	36	20	-	Top Side	10mm	Ant 1	DSI 4	26865	831.5	21.37	22.00	1.156	-	-	-	n/a	n/a
FR1 n5	20M	QPSK	1	53	DFT-15	Front	10mm	Ant 0	DSI 4	167300	836.5	24.83	25.50	1.167	-	-	-0.18	0.290	0.338
FR1 n5	20M	QPSK	1	53	DFT-15	Back	10mm	Ant 0	DSI 4	167300	836.5	24.83	25.50	1.167	-	-	-0.08	0.351	0.410
FR1 n5	20M	QPSK	1	53	DFT-15	Right Side	10mm	Ant 0	DSI 4	167300	836.5	24.83	25.50	1.167	-	-	-0.11	0.245	0.286
FR1 n5	20M	QPSK	1	53	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	167300	836.5	24.83	25.50	1.167	-	-	-0.14	0.230	0.268
FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 0	DSI 4	167300	836.5	24.82	25.50	1.169	-	-	-0.04	0.302	0.353
FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 0	DSI 4	167300	836.5	24.82	25.50	1.169	-	-	-0.1	0.359	0.420
FR1 n5	20M	QPSK	50	28	DFT-15	Right Side	10mm	Ant 0	DSI 4	167300	836.5	24.82	25.50	1.169	-	-	0.14	0.253	0.296
FR1 n5	20M	QPSK	50	28	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	167300	836.5	24.82	25.50	1.169	-	-	0.04	0.249	0.291
FR1 n5	20M	QPSK	1	53	DFT-15	Front	10mm	Ant 1	DSI 4	167300	836.5	20.46	21.00	1.132	-	-	0.05	0.166	0.188
FR1 n5	20M	QPSK	1	53	DFT-15	Back	10mm	Ant 1	DSI 4	167300	836.5	20.46	21.00	1.132	-	-	-0.04	0.201	0.228
FR1 n5	20M	QPSK	1	53	DFT-15	Left Side	10mm	Ant 1	DSI 4	167300	836.5	20.46	21.00	1.132	-	-	-0.08	0.450	0.510
FR1 n5	20M	QPSK	1	53	DFT-15	Top Side	10mm	Ant 1	DSI 4	167300	836.5	20.46	21.00	1.132	-	-	-	n/a	n/a
FR1 n5	20M	QPSK	50	28	DFT-15	Front	10mm	Ant 1	DSI 4	167300	836.5	20.42	21.00	1.143	-	-	0.05	0.172	0.197
FR1 n5	20M	QPSK	50	28	DFT-15	Back	10mm	Ant 1	DSI 4	167300	836.5	20.42	21.00	1.143	-	-	0.01	0.207	0.237
FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	10mm	Ant 1	DSI 4	167300	836.5	20.42	21.00	1.143	-	-	-0.08	0.466	0.533
FR1 n5	20M	QPSK	50	28	DFT-15	Top Side	10mm	Ant 1	DSI 4	167300	836.5	20.42	21.00	1.143	-	-	-	n/a	n/a
1750MHz																			
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	20175	1732.5	16.25	17.00	1.189	-	-	-0.03	0.107	0.127
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	20175	1732.5	16.25	17.00	1.189	-	-	0.07	0.139	0.165
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	20175	1732.5	16.25	17.00	1.189	-	-	0.11	0.042	0.050
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	20175	1732.5	16.25	17.00	1.189	-	-	0.18	0.235	0.279
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	20175	1732.5	16.22	17.00	1.197	-	-	-0.12	0.105	0.126
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	20175	1732.5	16.22	17.00	1.197	-	-	-0.13	0.137	0.164
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	20175	1732.5	16.22	17.00	1.197	-	-	0.1	0.041	0.049
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	20175	1732.5	16.22	17.00	1.197	-	-	0.01	0.230	0.275
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	20175	1732.5	19.82	20.20	1.091	-	-	-0.16	0.233	0.254
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	20175	1732.5	19.82	20.20	1.091	-	-	0.17	0.313	0.342
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	20175	1732.5	19.82	20.20	1.091	-	-	0.19	0.086	0.094
LTE Band 4 Inter CA	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	20175	1732.5	19.82	20.20	1.091	-	-	-0.01	0.496	0.541
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	20175	1732.5	19.78	20.20	1.102	-	-	-0.14	0.228	0.251
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	20175	1732.5	19.78	20.20	1.102	-	-	0.12	0.306	0.337
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Right Side	10mm	Ant 4	DSI 4	20175	1732.5	19.78	20.20	1.102	-	-	-0.03	0.083	0.091
LTE Band 4 Inter CA	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	20175	1732.5	19.78	20.20	1.102	-	-	0.11	0.487	0.536
LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	132322	1745	21.70	22.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	132322	1745	21.70	22.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	132322	1745	21.70	22.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	132322	1745	20.70	21.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	132322	1745	20.70	21.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	132322	1745	20.70	21.30	1.148	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	132322	1745	15.37	16.80	1.390	-	-	-0.18	0.092	0.128
LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	132322	1745	15.37	16.80	1.390	-	-	-0.19	0.140	0.195
LTE Band 66 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	132322	1745	15.37	16.80	1.390	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	132322	1745	15.37	16.80	1.390	-	-	-0.18	0.214	0.297
LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	132322	1745	15.22	16.80	1.439	-	-	0.14	0.091	0.131
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	132322	1745	15.22	16.80	1.439	-	-	-0.19	0.139	0.200
LTE Band 66 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	132322	1745	15.22	16.80	1.439	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	132322	1745	15.22	16.80	1.439	-	-	0.04	0.218	0.314
LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	132322	1745	17.97	19.40	1.390	-	-	-0.08	0.193	0.268
LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	132322	1745	17.97	19.40	1.390	-	-	0.12	0.258	0.359
LTE Band 66 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	132322	1745	17.97	19.40	1.390	-	-	0.04	0.077	0.107



FCC SAR Test Report

Report No. : FA380206

LTE Band 66 Other PA	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	132322	1745	17.97	19.40	1.390	-	-	0	0.398	0.553
LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	132322	1745	17.90	19.40	1.413	-	-	0.08	0.190	0.268
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	132322	1745	17.90	19.40	1.413	-	-	0	0.257	0.363
LTE Band 66 Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 4	DSI 4	132322	1745	17.90	19.40	1.413	-	-	0.18	0.052	0.073
LTE Band 66 Other PA	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	132322	1745	17.90	19.40	1.413	-	-	-0.18	0.389	0.549
LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
FR1 n66	40M	QPSK	1	108	DFT-15	Front	10mm	Ant 2	DSI 4	349000	1745	21.22	22.00	1.197	-	-	-0.08	0.153	0.183
FR1 n66	40M	QPSK	1	108	DFT-15	Back	10mm	Ant 2	DSI 4	349000	1745	21.22	22.00	1.197	-	-	0.03	0.276	0.330
FR1 n66	40M	QPSK	1	108	DFT-15	Right Side	10mm	Ant 2	DSI 4	349000	1745	21.22	22.00	1.197	-	-	0.06	0.418	0.500
FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 2	DSI 4	349000	1745	21.12	22.00	1.225	-	-	-0.18	0.148	0.181
FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 2	DSI 4	349000	1745	21.12	22.00	1.225	-	-	-0.18	0.267	0.327
FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	10mm	Ant 2	DSI 4	349000	1745	21.12	22.00	1.225	-	-	0.11	0.405	0.496
FR1 n66	40M	QPSK	1	108	DFT-15	Front	10mm	Ant 3	DSI 4	349000	1745	15.68	16.50	1.208	-	-	0.01	0.086	0.104
FR1 n66	40M	QPSK	1	108	DFT-15	Back	10mm	Ant 3	DSI 4	349000	1745	15.68	16.50	1.208	-	-	-0.12	0.129	0.156
FR1 n66	40M	QPSK	1	108	DFT-15	Left Side	10mm	Ant 3	DSI 4	349000	1745	15.68	16.50	1.208	-	-	-0.04	0.040	0.048
FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	10mm	Ant 3	DSI 4	349000	1745	15.68	16.50	1.208	-	-	-0.05	0.211	0.255
FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 3	DSI 4	349000	1745	15.63	16.50	1.222	-	-	0.16	0.100	0.122
FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 3	DSI 4	349000	1745	15.63	16.50	1.222	-	-	-0.16	0.144	0.176
FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 3	DSI 4	349000	1745	15.63	16.50	1.222	-	-	-0.07	0.039	0.048
FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	DSI 4	349000	1745	15.63	16.50	1.222	-	-	-0.19	0.227	0.277
FR1 n66	40M	QPSK	1	108	DFT-15	Front	10mm	Ant 4	DSI 4	349000	1745	19.36	19.70	1.081	-	-	-0.04	0.243	0.263
FR1 n66	40M	QPSK	1	108	DFT-15	Back	10mm	Ant 4	DSI 4	349000	1745	19.36	19.70	1.081	-	-	0.17	0.299	0.323
FR1 n66	40M	QPSK	1	108	DFT-15	Left Side	10mm	Ant 4	DSI 4	349000	1745	19.36	19.70	1.081	-	-	-0.06	0.082	0.089
FR1 n66	40M	QPSK	1	108	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	349000	1745	19.36	19.70	1.081	-	-	-0.17	0.489	0.529
FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 4	DSI 4	349000	1745	19.34	19.70	1.086	-	-	0.09	0.265	0.288
FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 4	DSI 4	349000	1745	19.34	19.70	1.086	-	-	0.15	0.338	0.367
FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 4	DSI 4	349000	1745	19.34	19.70	1.086	-	-	0.04	0.099	0.108
FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	349000	1745	19.34	19.70	1.086	-	-	-0.04	0.513	0.557
FR1 n66	40M	QPSK	1	108	DFT-15	Front	10mm	Ant 5	DSI 4	349000	1745	19.60	20.70	1.288	-	-	-0.05	0.071	0.091
FR1 n66	40M	QPSK	1	108	DFT-15	Back	10mm	Ant 5	DSI 4	349000	1745	19.60	20.70	1.288	-	-	0.06	0.093	0.120
FR1 n66	40M	QPSK	1	108	DFT-15	Left Side	10mm	Ant 5	DSI 4	349000	1745	19.60	20.70	1.288	-	-	0.05	0.155	0.200
FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	10mm	Ant 5	DSI 4	349000	1745	19.60	20.70	1.288	-	-	-	n/a	n/a
FR1 n66	40M	QPSK	108	54	DFT-15	Front	10mm	Ant 5	DSI 4	349000	1745	19.57	20.70	1.297	-	-	0.1	0.074	0.096
FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 5	DSI 4	349000	1745	19.57	20.70	1.297	-	-	0.17	0.098	0.127
FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 5	DSI 4	349000	1745	19.57	20.70	1.297	-	-	-0.04	0.160	0.208
FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 5	DSI 4	349000	1745	19.57	20.70	1.297	-	-	-	n/a	n/a
1900MHz																			
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	18900	1880	22.61	23.00	1.094	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 2	DSI 4	18900	1880	22.61	23.00	1.094	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	18900	1880	22.61	23.00	1.094	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	18900	1880	21.52	22.00	1.117	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	18900	1880	21.52	22.00	1.117	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	18900	1880	21.52	22.00	1.117	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	18900	1880	15.97	16.50	1.130	-	-	-0.11	0.056	0.063
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	18900	1880	15.97	16.50	1.130	-	-	-0.01	0.075	0.085
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	18900	1880	15.97	16.50	1.130	-	-	-0.08	0.125	0.141
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	18900	1880	15.97	16.50	1.130	-	-	-0.11	0.012	0.014
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	18900	1880	15.93	16.50	1.140	-	-	0.08	0.055	0.063
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	18900	1880	15.93	16.50	1.140	-	-	-0.12	0.073	0.083



FCC SAR Test Report

Report No. : FA380206

LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	18900	1880	15.93	16.50	1.140	-	-	-0.02	0.122	0.139	
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	18900	1880	15.93	16.50	1.140	-	-	0.02	0.012	0.014	
2600MHz																				
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	21100	2535	20.77	21.50	1.183	-	-	-0.11	0.097	0.115	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Back	10mm	Ant 2	DSI 4	21100	2535	20.77	21.50	1.183	-	-	-0.16	0.160	0.189	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	21100	2535	20.77	21.50	1.183	-	-	0.08	0.284	0.336	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	21100	2535	19.69	20.50	1.205	-	-	-0.07	0.078	0.094	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	21100	2535	19.69	20.50	1.205	-	-	0.07	0.134	0.161	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	21100	2535	19.69	20.50	1.205	-	-	-0.08	0.227	0.274	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	21100	2535	21.58	22.30	1.180	-	-	-0.03	0.073	0.086	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 2	DSI 4	21100	2535	21.58	22.30	1.180	-	-	0.13	0.134	0.158	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	21100	2535	21.58	22.30	1.180	-	-	-0.07	0.206	0.243	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	21100	2535	20.52	21.30	1.197	-	-	-0.09	0.066	0.079	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	21100	2535	20.52	21.30	1.197	-	-	-0.13	0.102	0.122	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	21100	2535	20.52	21.30	1.197	-	-	-0.17	0.165	0.197	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	21100	2535	14.58	15.50	1.236	-	-	0.09	0.088	0.109	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	21100	2535	14.58	15.50	1.236	-	-	0.17	0.142	0.176	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	21100	2535	14.58	15.50	1.236	-	-	-0.03	0.069	0.085	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	21100	2535	14.58	15.50	1.236	-	-	0.03	0.191	0.236	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	21100	2535	14.55	15.50	1.245	-	-	0.1	0.086	0.107	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	21100	2535	14.55	15.50	1.245	-	-	0.14	0.140	0.174	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	21100	2535	14.55	15.50	1.245	-	-	0	0.068	0.085	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	21100	2535	14.55	15.50	1.245	-	-	-0.1	0.196	0.244	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	21100	2535	16.52	17.90	1.374	-	-	-0.15	0.126	0.173	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	21100	2535	16.52	17.90	1.374	-	-	-0.05	0.185	0.254	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	21100	2535	16.52	17.90	1.374	-	-	0.03	0.043	0.059	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	21100	2535	16.52	17.90	1.374	-	-	-0.03	0.207	0.284	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	21100	2535	16.45	17.90	1.396	-	-	-0.13	0.129	0.180	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	21100	2535	16.45	17.90	1.396	-	-	0.03	0.195	0.272	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 4	DSI 4	21100	2535	16.45	17.90	1.396	-	-	-0.11	0.048	0.067	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	21100	2535	16.45	17.90	1.396	-	-	-0.1	0.206	0.288	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	21100	2535	15.87	16.50	1.156	-	-	0.05	0.098	0.113	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	21100	2535	15.87	16.50	1.156	-	-	0.11	0.149	0.172	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	15.87	16.50	1.156	-	-	-0.02	0.192	0.222	
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	15.87	16.50	1.156	-	-	-	n/a	n/a	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	21100	2535	15.82	16.50	1.169	-	-	0.07	0.097	0.113	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	21100	2535	15.82	16.50	1.169	-	-	0.13	0.143	0.167	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	15.82	16.50	1.169	-	-	-0.1	0.186	0.218	
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	15.82	16.50	1.169	-	-	-	n/a	n/a	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	21100	2535	15.18	16.00	1.208	-	-	-0.1	0.099	0.120	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	21100	2535	15.18	16.00	1.208	-	-	0.13	0.153	0.185	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	15.18	16.00	1.208	-	-	-0.05	0.232	0.280	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	15.18	16.00	1.208	-	-	0.18	0.035	0.042	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	21100	2535	15.11	16.00	1.227	-	-	-0.14	0.094	0.115	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	21100	2535	15.11	16.00	1.227	-	-	0.01	0.151	0.185	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	21100	2535	15.11	16.00	1.227	-	-	-0.12	0.220	0.270	
LTE Band 7 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	21100	2535	15.11	16.00	1.227	-	-	-0.08	0.034	0.042	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 2	DSI 4	40620	2593	21.41	22.30	1.227	62.9	1.006	0.02	0.105	0.130	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 2	DSI 4	40620	2593	21.41	22.30	1.227	62.9	1.006	0.06	0.197	0.243	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Right Side	10mm	Ant 2	DSI 4	40620	2593	21.41	22.30	1.227	62.9	1.006	-0.13	0.331	0.409	
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 2	DSI 4	40620	2593	20.36	21.30	1.242	62.9	1.006	-0.18	0.103	0.129	
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 2	DSI 4	40620	2593	20.36	21.30	1.242	62.9	1.006	0	0.188	0.235	
LTE Band 41 Other PA	20M	QPSK	50	24	-	Right Side	10mm	Ant 2	DSI 4	40620	2593	20.36	21.30	1.242	62.9	1.006	-0.07	0.330	0.412	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 3	DSI 4	40620	2593	17.02	18.00	1.253	62.9	1.006	0.16	0.094	0.119	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 3	DSI 4	40620	2593	17.02	18.00	1.253	62.9	1.006	0.01	0.145	0.183	
LTE Band 41 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 3	DSI 4	40620	2593	17.02	18.00	1.253	62.9	1.006	0.01	0.064	0.081	



FCC SAR Test Report

Report No. : FA380206

LTE Band 41 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 3	DSI 4	40620	2593	17.02	18.00	1.253	62.9	1.006	0.05	0.217	0.274
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 3	DSI 4	40620	2593	17.00	18.00	1.259	62.9	1.006	0.11	0.095	0.120
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 3	DSI 4	40620	2593	17.00	18.00	1.259	62.9	1.006	0.09	0.140	0.177
LTE Band 41 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 3	DSI 4	40620	2593	17.00	18.00	1.259	62.9	1.006	-0.09	0.067	0.085
LTE Band 41 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 3	DSI 4	40620	2593	17.00	18.00	1.259	62.9	1.006	-0.07	0.223	0.282
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 4	DSI 4	40620	2593	20.37	21.90	1.422	62.9	1.006	0	0.214	0.306
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 4	DSI 4	40620	2593	20.37	21.90	1.422	62.9	1.006	0.02	0.314	0.449
LTE Band 41 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 4	DSI 4	40620	2593	20.37	21.90	1.422	62.9	1.006	0.02	0.077	0.110
LTE Band 41 Other PA	20M	QPSK	1	49	-	Bottom Side	10mm	Ant 4	DSI 4	40620	2593	20.37	21.90	1.422	62.9	1.006	0.14	0.356	0.509
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 4	DSI 4	40620	2593	20.32	21.90	1.439	62.9	1.006	0.02	0.211	0.305
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 4	DSI 4	40620	2593	20.32	21.90	1.439	62.9	1.006	0.06	0.318	0.460
LTE Band 41 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 4	DSI 4	40620	2593	20.32	21.90	1.439	62.9	1.006	0.15	0.079	0.114
LTE Band 41 Other PA	20M	QPSK	50	24	-	Bottom Side	10mm	Ant 4	DSI 4	40620	2593	20.32	21.90	1.439	62.9	1.006	-0.15	0.353	0.511
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	10mm	Ant 5	DSI 4	40620	2593	17.70	18.50	1.202	62.9	1.006	0.15	0.108	0.131
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	10mm	Ant 5	DSI 4	40620	2593	17.70	18.50	1.202	62.9	1.006	-0.1	0.164	0.198
LTE Band 41 Other PA	20M	QPSK	1	49	-	Left Side	10mm	Ant 5	DSI 4	40620	2593	17.70	18.50	1.202	62.9	1.006	-0.07	0.233	0.282
LTE Band 41 Other PA	20M	QPSK	1	49	-	Top Side	10mm	Ant 5	DSI 4	40620	2593	17.70	18.50	1.202	62.9	1.006	-0.01	0.044	0.053
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	10mm	Ant 5	DSI 4	40620	2593	17.69	18.50	1.205	62.9	1.006	-0.17	0.105	0.127
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	10mm	Ant 5	DSI 4	40620	2593	17.69	18.50	1.205	62.9	1.006	-0.08	0.160	0.194
LTE Band 41 Other PA	20M	QPSK	50	24	-	Left Side	10mm	Ant 5	DSI 4	40620	2593	17.69	18.50	1.205	62.9	1.006	-0.17	0.227	0.275
LTE Band 41 Other PA	20M	QPSK	50	24	-	Top Side	10mm	Ant 5	DSI 4	40620	2593	17.69	18.50	1.205	62.9	1.006	0.16	0.040	0.048
FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	-0.13	0.111	0.133
FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	0.08	0.181	0.216
FR1 n7	50M	QPSK	1	135	DFT-15	Right Side	10mm	Ant 2	DSI 4	507000	2535	20.73	21.50	1.194	-	-	0.13	0.364	0.435
FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	-0.14	0.111	0.133
FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	0.09	0.208	0.249
FR1 n7	50M	QPSK	135	68	DFT-15	Right Side	10mm	Ant 2	DSI 4	507000	2535	20.71	21.50	1.199	-	-	0.04	0.372	0.446
FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 3	DSI 4	507000	2535	14.24	15.00	1.191	-	-	0.19	0.083	0.099
FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 3	DSI 4	507000	2535	14.24	15.00	1.191	-	-	-0.06	0.126	0.150
FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 3	DSI 4	507000	2535	14.24	15.00	1.191	-	-	-0.19	0.044	0.052
FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	10mm	Ant 3	DSI 4	507000	2535	14.24	15.00	1.191	-	-	-0.19	0.177	0.211
FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 3	DSI 4	507000	2535	14.20	15.00	1.202	-	-	0.07	0.083	0.100
FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 3	DSI 4	507000	2535	14.20	15.00	1.202	-	-	-0.12	0.124	0.149
FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 3	DSI 4	507000	2535	14.20	15.00	1.202	-	-	0.03	0.049	0.059
FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	10mm	Ant 3	DSI 4	507000	2535	14.20	15.00	1.202	-	-	-0.12	0.175	0.210
FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	-0.02	0.267	0.302
FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	0.06	0.373	0.421
FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	-0.09	0.115	0.130
FR1 n7	50M	QPSK	1	135	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	507000	2535	19.97	20.50	1.130	-	-	0.05	0.410	0.463
FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	0.06	0.288	0.328
FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	-0.03	0.418	0.477
FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	-0.15	0.098	0.112
FR1 n7	50M	QPSK	135	68	DFT-15	Bottom Side	10mm	Ant 4	DSI 4	507000	2535	19.93	20.50	1.140	-	-	0.15	0.421	0.480
FR1 n7	50M	QPSK	1	135	DFT-15	Front	10mm	Ant 5	DSI 4	507000	2535	15.78	16.50	1.180	-	-	-0.18	0.103	0.122
FR1 n7	50M	QPSK	1	135	DFT-15	Back	10mm	Ant 5	DSI 4	507000	2535	15.78	16.50	1.180	-	-	0.19	0.145	0.171
FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	10mm	Ant 5	DSI 4	507000	2535	15.78	16.50	1.180	-	-	0.05	0.181	0.214
FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	10mm	Ant 5	DSI 4	507000	2535	15.78	16.50	1.180	-	-	0.1	0.042	0.050
FR1 n7	50M	QPSK	135	68	DFT-15	Front	10mm	Ant 5	DSI 4	507000	2535	15.68	16.50	1.208	-	-	-0.14	0.096	0.116
FR1 n7	50M	QPSK	135	68	DFT-15	Back	10mm	Ant 5	DSI 4	507000	2535	15.68	16.50	1.208	-	-	0.1	0.147	0.178
FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	10mm	Ant 5	DSI 4	507000	2535	15.68	16.50	1.208	-	-	0	0.175	0.211
FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	10mm	Ant 5	DSI 4	507000	2535	15.68	16.50	1.208	-	-	-0.02	0.042	0.051
FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.04	0.085	0.095
FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.1	0.150	0.168
FR1 n41	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 2	DSI 4	518598	2592.99	21.00	21.50	1.122	-	-	0.08	0.262	0.294
FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	0.16	0.130	0.158
FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	0.19	0.245	0.297



FCC SAR Test Report

Report No. : FA380206

FR1 n41	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 2	DSI 4	518598	2592.99	20.66	21.50	1.213	-	-	-0.01	0.425	0.516
FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 3	DSI 4	518598	2592.99	15.97	16.50	1.130	-	-	-0.12	0.101	0.114
FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 3	DSI 4	518598	2592.99	15.97	16.50	1.130	-	-	0.18	0.175	0.198
FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 3	DSI 4	518598	2592.99	15.97	16.50	1.130	-	-	0.12	0.058	0.066
FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 3	DSI 4	518598	2592.99	15.97	16.50	1.130	-	-	-0.11	0.206	0.233
FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 3	DSI 4	518598	2592.99	15.95	16.50	1.135	-	-	0.13	0.102	0.116
FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 3	DSI 4	518598	2592.99	15.95	16.50	1.135	-	-	0.01	0.166	0.188
FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 3	DSI 4	518598	2592.99	15.95	16.50	1.135	-	-	0.19	0.086	0.098
FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 3	DSI 4	518598	2592.99	15.95	16.50	1.135	-	-	0.02	0.214	0.243
FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.16	0.263	0.291
FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.01	0.375	0.415
FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	-0.17	0.118	0.131
FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	10mm	Ant 4	DSI 4	518598	2592.99	20.56	21.00	1.107	-	-	0.11	0.496	0.549
FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.17	0.275	0.308
FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.04	0.394	0.441
FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	0.1	0.131	0.147
FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	10mm	Ant 4	DSI 4	518598	2592.99	20.51	21.00	1.119	-	-	-0.09	0.551	0.617
FR1 n41	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 5	DSI 4	518598	2592.99	16.46	17.00	1.132	-	-	-0.03	0.076	0.086
FR1 n41	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 5	DSI 4	518598	2592.99	16.46	17.00	1.132	-	-	-0.05	0.127	0.144
FR1 n41	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 5	DSI 4	518598	2592.99	16.46	17.00	1.132	-	-	-0.17	0.204	0.231
FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 5	DSI 4	518598	2592.99	16.46	17.00	1.132	-	-	0.01	0.032	0.036
FR1 n41	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 5	DSI 4	518598	2592.99	16.40	17.00	1.148	-	-	-0.19	0.086	0.099
FR1 n41	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 5	DSI 4	518598	2592.99	16.40	17.00	1.148	-	-	0.14	0.136	0.156
FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 5	DSI 4	518598	2592.99	16.40	17.00	1.148	-	-	0.11	0.232	0.266
FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 5	DSI 4	518598	2592.99	16.40	17.00	1.148	-	-	-0.19	0.037	0.042

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
3000MHz-4000MHz																				
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI 4	633332	3499.98	16.94	17.50	1.138	-	-	-0.15	0.125	0.142	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI 4	633332	3499.98	16.94	17.50	1.138	-	-	-0.19	0.160	0.182	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	16.94	17.50	1.138	-	-	-0.06	0.351	0.399	
FR1 n78Part27Q PC2	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	20.36	20.50	1.033	50	1.000	0.09	0.396	0.409	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI 4	633332	3499.98	16.89	17.50	1.151	-	-	-0.18	0.121	0.139	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI 4	633332	3499.98	16.89	17.50	1.151	-	-	0.13	0.155	0.178	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI 4	633332	3499.98	16.89	17.50	1.151	-	-	-0.12	0.294	0.338	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 1	DSI 4	650000	3750	16.52	17.50	1.253	-	-	-	n/a	n/a	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 1	DSI 4	650000	3750	16.52	17.50	1.253	-	-	-	n/a	n/a	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 1	DSI 4	650000	3750	16.52	17.50	1.253	-	-	-	n/a	n/a	
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 1	DSI 4	650000	3750	16.47	17.50	1.268	-	-	-	n/a	n/a	
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 1	DSI 4	650000	3750	16.47	17.50	1.268	-	-	-	n/a	n/a	
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 1	DSI 4	650000	3750	16.47	17.50	1.268	-	-	-	n/a	n/a	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	633332	3499.98	11.09	12.00	1.233	-	-	0.06	0.068	0.084	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	633332	3499.98	11.09	12.00	1.233	-	-	-0.1	0.133	0.164	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 6	DSI 4	633332	3499.98	11.09	12.00	1.233	-	-	0.01	0.110	0.136	
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	633332	3499.98	11.09	12.00	1.233	-	-	-0.14	0.148	0.182	
FR1 n78Part27Q PC2	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	633332	3499.98	14.95	15.00	1.012	50	1.000	0.19	0.197	0.199	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	633332	3499.98	11.03	12.00	1.250	-	-	0.14	0.065	0.081	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	633332	3499.98	11.03	12.00	1.250	-	-	-0.05	0.127	0.159	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 6	DSI 4	633332	3499.98	11.03	12.00	1.250	-	-	-0.1	0.100	0.125	
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	633332	3499.98	11.03	12.00	1.250	-	-	0.16	0.131	0.164	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 6	DSI 4	650000	3750	11.03	12.00	1.250	-	-	-0.12	0.049	0.061	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 6	DSI 4	650000	3750	11.03	12.00	1.250	-	-	0.13	0.107	0.134	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Left Side	10mm	Ant 6	DSI 4	650000	3750	11.03	12.00	1.250	-	-	0.13	0.064	0.080	
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 6	DSI 4	650000	3750	11.03	12.00	1.250	-	-	0.18	0.088	0.110	



FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 6	DSI 4	650000	3750	10.97	12.00	1.268	-	-	0.17	0.047	0.060
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 6	DSI 4	650000	3750	10.97	12.00	1.268	-	-	0.19	0.103	0.131
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Left Side	10mm	Ant 6	DSI 4	650000	3750	10.97	12.00	1.268	-	-	-0.07	0.062	0.079
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 6	DSI 4	650000	3750	10.97	12.00	1.268	-	-	0.04	0.085	0.108
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 7	DSI 4	633332	3499.98	12.34	13.30	1.247	-	-	-0.1	0.050	0.062
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 7	DSI 4	633332	3499.98	12.34	13.30	1.247	-	-	-0.04	0.064	0.080
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	633332	3499.98	12.34	13.30	1.247	-	-	-0.19	0.112	0.140
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 4	633332	3499.98	12.28	13.30	1.265	-	-	0.07	0.048	0.061
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 4	633332	3499.98	12.28	13.30	1.265	-	-	0.02	0.062	0.078
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 4	633332	3499.98	12.28	13.30	1.265	-	-	-0.17	0.108	0.137
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 7	DSI 4	650000	3750	12.32	13.30	1.253	-	-	-0.02	0.061	0.076
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 7	DSI 4	650000	3750	12.32	13.30	1.253	-	-	-0.06	0.086	0.108
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	650000	3750	12.32	13.30	1.253	-	-	0.07	0.156	0.195
FR1 n78 Part27O PC2	100M	QPSK	1	137	DFT-30	Top Side	10mm	Ant 7	DSI 4	650000	3750	15.32	16.30	1.253	50	1.000	0.02	0.166	0.208
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 7	DSI 4	650000	3750	12.28	13.30	1.265	-	-	0.13	0.059	0.075
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 7	DSI 4	650000	3750	12.28	13.30	1.265	-	-	0.1	0.083	0.105
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 7	DSI 4	650000	3750	12.28	13.30	1.265	-	-	-0.15	0.144	0.182
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 8	DSI 4	633332	3499.98	14.25	15.00	1.189	-	-	-0.09	0.097	0.115
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 8	DSI 4	633332	3499.98	14.25	15.00	1.189	-	-	-0.16	0.110	0.131
FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	14.25	15.00	1.189	-	-	0.12	0.210	0.250
FR1 n78 Part27Q PC2	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	17.72	18.00	1.067	50	1.000	-0.16	0.233	0.249
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	DSI 4	633332	3499.98	14.22	15.00	1.197	-	-	0.02	0.094	0.112
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	DSI 4	633332	3499.98	14.22	15.00	1.197	-	-	-0.1	0.107	0.128
FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 8	DSI 4	633332	3499.98	14.22	15.00	1.197	-	-	-0.03	0.191	0.229
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	10mm	Ant 8	DSI 4	650000	3750	14.05	15.00	1.245	-	-	-	n/a	n/a
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	10mm	Ant 8	DSI 4	650000	3750	14.05	15.00	1.245	-	-	0.1	0.078	0.097
FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Right Side	10mm	Ant 8	DSI 4	650000	3750	14.05	15.00	1.245	-	-	0.02	0.112	0.139
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	10mm	Ant 8	DSI 4	650000	3750	13.97	15.00	1.268	-	-	-	n/a	n/a
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 8	DSI 4	650000	3750	13.97	15.00	1.268	-	-	0.17	0.076	0.096
FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Right Side	10mm	Ant 8	DSI 4	650000	3750	13.97	15.00	1.268	-	-	0.09	0.109	0.138



15.3 Body Worn Accessory SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 12	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI 1	23095	707.5	23.69	24.50	1.205	-	-	0.17	0.113	0.136
50	LTE Band 12	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI 1	23095	707.5	23.69	24.50	1.205	-	-	0.02	0.141	0.170
	LTE Band 12	10M	QPSK	25	12	-	Front	15mm	Ant 0	DSI 1	23095	707.5	22.71	23.50	1.199	-	-	-0.04	0.088	0.106
	LTE Band 12	10M	QPSK	25	12	-	Back	15mm	Ant 0	DSI 1	23095	707.5	22.71	23.50	1.199	-	-	-0.11	0.104	0.125
	LTE Band 12	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI 1/3	23095	707.5	23.95	24.50	1.135	-	-	0.09	0.092	0.104
	LTE Band 12	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI 1/3	23095	707.5	23.95	24.50	1.135	-	-	-0.12	0.139	0.158
	LTE Band 12	10M	QPSK	25	12	-	Front	15mm	Ant 1	DSI 1/3	23095	707.5	22.93	23.50	1.140	-	-	0.09	0.077	0.088
	LTE Band 12	10M	QPSK	25	12	-	Back	15mm	Ant 1	DSI 1/3	23095	707.5	22.93	23.50	1.140	-	-	0.15	0.091	0.104
	LTE Band 13	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI 1	23230	782	24.61	25.50	1.227	-	-	-0.11	0.121	0.149
	LTE Band 13	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI 1	23230	782	24.61	25.50	1.227	-	-	-0.18	0.140	0.172
	LTE Band 13	10M	QPSK	25	12	-	Front	15mm	Ant 0	DSI 1	23230	782	23.46	24.50	1.271	-	-	-0.01	0.091	0.116
	LTE Band 13	10M	QPSK	25	12	-	Back	15mm	Ant 0	DSI 1	23230	782	23.46	24.50	1.271	-	-	-0.1	0.104	0.132
	LTE Band 13	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI 1/3	23230	782	24.72	25.50	1.197	-	-	0.07	0.246	0.294
51	LTE Band 13	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI 1/3	23230	782	24.72	25.50	1.197	-	-	-0.15	0.296	0.354
	LTE Band 13	10M	QPSK	25	12	-	Front	15mm	Ant 1	DSI 1/3	23230	782	23.58	24.50	1.236	-	-	0.16	0.197	0.243
	LTE Band 13	10M	QPSK	25	12	-	Back	15mm	Ant 1	DSI 1/3	23230	782	23.58	24.50	1.236	-	-	0.19	0.231	0.286
835MHz																				
	GSM850	-	-	-	-	GPRS(4Tx slots)	Front	15mm	Ant 0	DSI 1	189	836.4	28.65	29.50	1.216	-	-	0.03	0.212	0.258
	GSM850	-	-	-	-	GPRS(4Tx slots)	Back	15mm	Ant 0	DSI 1	189	836.4	28.65	29.50	1.216	-	-	0.11	0.261	0.317
	GSM850	-	-	-	-	GPRS(4Tx slots)	Front	15mm	Ant 1	DSI 1/3	251	848.8	29.15	29.50	1.084	-	-	-0.07	0.257	0.279
52	GSM850	-	-	-	-	GPRS(4Tx slots)	Back	15mm	Ant 1	DSI 1/3	251	848.8	29.15	29.50	1.084	-	-	0.02	0.427	0.463
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 0	DSI 1	4182	836.4	23.91	25.00	1.285	-	-	-0.07	0.161	0.207
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	DSI 1	4182	836.4	23.91	25.00	1.285	-	-	-0.09	0.184	0.236
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	DSI 1/3	4182	836.4	23.16	24.00	1.213	-	-	0.18	0.195	0.237
53	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	DSI 1/3	4182	836.4	23.16	24.00	1.213	-	-	-0.08	0.279	0.339
	LTE Band 26	15M	QPSK	1	37	-	Front	15mm	Ant 0	DSI 1	26865	831.5	24.65	25.50	1.216	-	-	0.03	0.194	0.236
	LTE Band 26	15M	QPSK	1	37	-	Back	15mm	Ant 0	DSI 1	26865	831.5	24.65	25.50	1.216	-	-	-0.18	0.219	0.266
	LTE Band 26	15M	QPSK	36	20	-	Front	15mm	Ant 0	DSI 1	26865	831.5	23.66	24.50	1.213	-	-	-0.09	0.157	0.191
	LTE Band 26	15M	QPSK	36	20	-	Back	15mm	Ant 0	DSI 1	26865	831.5	23.66	24.50	1.213	-	-	-0.19	0.177	0.215
	LTE Band 26	15M	QPSK	1	37	-	Front	15mm	Ant 1	DSI 1/3	26865	831.5	24.84	25.50	1.164	-	-	0.1	0.223	0.260
54	LTE Band 26	15M	QPSK	1	37	-	Back	15mm	Ant 1	DSI 1/3	26865	831.5	24.84	25.50	1.164	-	-	0.03	0.373	0.434
	LTE Band 26	15M	QPSK	36	20	-	Front	15mm	Ant 1	DSI 1/3	26865	831.5	23.78	24.50	1.180	-	-	-0.03	0.186	0.220
	LTE Band 26	15M	QPSK	36	20	-	Back	15mm	Ant 1	DSI 1/3	26865	831.5	23.78	24.50	1.180	-	-	-0.13	0.287	0.339
	FR1 n5	20M	QPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI 1	167300	836.5	24.83	25.50	1.167	-	-	-0.03	0.184	0.215
	FR1 n5	20M	QPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI 1	167300	836.5	24.83	25.50	1.167	-	-	0.15	0.226	0.264
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI 1	167300	836.5	24.82	25.50	1.169	-	-	-0.18	0.195	0.228
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI 1	167300	836.5	24.82	25.50	1.169	-	-	-0.17	0.245	0.287
	FR1 n5	20M	QPSK	1	53	DFT-15	Front	15mm	Ant 1	DSI 1/3	167300	836.5	23.83	24.50	1.167	-	-	-0.12	0.199	0.232
	FR1 n5	20M	QPSK	1	53	DFT-15	Back	15mm	Ant 1	DSI 1/3	167300	836.5	23.83	24.50	1.167	-	-	0.07	0.281	0.328
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI 1/3	167300	836.5	23.80	24.50	1.175	-	-	0.09	0.214	0.251
55	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI 1/3	167300	836.5	23.80	24.50	1.175	-	-	0.05	0.301	0.354
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 3	DSI 3	1413	1732.6	24.35	25.00	1.161	-	-	0.07	0.396	0.460
56	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	DSI 3	1413	1732.6	24.35	25.00	1.161	-	-	0.16	0.551	0.640
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 1	1413	1732.6	20.95	21.20	1.059	-	-	0.17	0.175	0.185
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 1	1413	1732.6	20.95	21.20	1.059	-	-	0.16	0.206	0.218
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 3	1413	1732.6	23.44	23.70	1.062	-	-	-0.03	0.297	0.315
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 3	1413	1732.6	23.44	23.70	1.062	-	-	0.07	0.385	0.409
	LTE Band 4	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	20175	1732.5	22.95	24.20	1.334	-	-	0.03	0.053	0.071
57	LTE Band 4	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	20175	1732.5	22.95	24.20	1.334	-	-	-0.03	0.094	0.126



FCC SAR Test Report

Report No. : FA380206

	LTE Band 4	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	20175	1732.5	21.93	23.20	1.340	-	-	0.18	0.041	0.055
	LTE Band 4	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	20175	1732.5	21.93	23.20	1.340	-	-	-0.15	0.061	0.082
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	132322	1745	20.43	21.50	1.279	-	-	-0.08	0.070	0.090
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	132322	1745	20.43	21.50	1.279	-	-	0.07	0.107	0.137
	LTE Band 66	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	132322	1745	19.41	20.50	1.285	-	-	0.14	0.056	0.072
	LTE Band 66	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	132322	1745	19.41	20.50	1.285	-	-	-0.18	0.084	0.108
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	132322	1745	24.28	25.50	1.324	-	-	0.13	0.379	0.502
58	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	132322	1745	24.28	25.50	1.324	-	-	0.03	0.621	0.822
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	132072	1720	24.12	25.50	1.374	-	-	0.02	0.580	0.797
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	132572	1770	24.21	25.50	1.346	-	-	0.09	0.583	0.785
	LTE Band 66	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	132322	1745	23.28	24.50	1.324	-	-	-0.17	0.301	0.399
	LTE Band 66	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	132322	1745	23.28	24.50	1.324	-	-	0.12	0.565	0.748
	LTE Band 66	20M	QPSK	100	0	-	Back	15mm	Ant 3	DSI 3	132322	1745	23.19	24.50	1.352	-	-	0.06	0.548	0.741
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	132322	1745	21.39	22.20	1.205	-	-	0.13	0.210	0.253
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	132322	1745	21.39	22.20	1.205	-	-	0.05	0.228	0.275
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	132322	1745	23.50	24.20	1.175	-	-	-0.18	0.356	0.418
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	132322	1745	23.50	24.20	1.175	-	-	0.03	0.373	0.438
	LTE Band 66	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	132322	1745	21.35	22.20	1.216	-	-	0.11	0.197	0.240
	LTE Band 66	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	132322	1745	21.35	22.20	1.216	-	-	-0.12	0.218	0.265
	LTE Band 66	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	132322	1745	20.57	22.20	1.455	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	132322	1745	20.57	22.20	1.455	-	-	0.17	0.054	0.078
	LTE Band 66	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	132322	1745	20.52	22.20	1.472	-	-	-	n/a	n/a
	LTE Band 66	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	132322	1745	20.52	22.20	1.472	-	-	0.15	0.050	0.074
	FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 2	DSI 1/3	349000	1745	21.22	22.00	1.197	-	-	-0.06	0.068	0.081
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 2	DSI 1/3	349000	1745	21.22	22.00	1.197	-	-	-0.08	0.129	0.154
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 1/3	349000	1745	21.12	22.00	1.225	-	-	0.09	0.072	0.088
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 1/3	349000	1745	21.12	22.00	1.225	-	-	-0.09	0.136	0.167
	FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 3	DSI 3	349000	1745	24.72	25.50	1.197	-	-	0.18	0.394	0.472
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 3	DSI 3	349000	1745	24.72	25.50	1.197	-	-	-0.03	0.659	0.789
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 3	349000	1745	24.63	25.50	1.222	-	-	0.11	0.417	0.509
59	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 3	349000	1745	24.63	25.50	1.222	-	-	-0.02	0.670	0.819
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	15mm	Ant 3	DSI 3	349000	1745	23.37	24.50	1.297	-	-	-0.06	0.530	0.688
	FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.01	0.176	0.189
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.17	0.220	0.237
	FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	-0.09	0.394	0.431
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	-0.02	0.484	0.529
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	0.16	0.200	0.218
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	0.01	0.216	0.235
	FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 5	DSI 1/3	349000	1745	21.69	22.70	1.262	-	-	-0.11	0.054	0.068
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 5	DSI 1/3	349000	1745	21.69	22.70	1.262	-	-	0.04	0.069	0.087
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 5	DSI 1/3	349000	1745	21.66	22.70	1.271	-	-	0.09	0.060	0.076
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 5	DSI 1/3	349000	1745	21.66	22.70	1.271	-	-	-0.13	0.075	0.095
1900MHz																				
	GSM1900	-	-	-	-	GPRS(4Tx slots)	Front	15mm	Ant 3	DSI 3	661	1880	26.42	27.00	1.143	-	-	0.07	0.251	0.287
60	GSM1900	-	-	-	-	GPRS(4Tx slots)	Back	15mm	Ant 3	DSI 3	661	1880	26.42	27.00	1.143	-	-	0.18	0.373	0.426
	GSM1900	-	-	-	-	GPRS(4Tx slots)	Front	15mm	Ant 4	DSI 1	661	1880	23.63	24.20	1.140	-	-	0.15	0.151	0.172
	GSM1900	-	-	-	-	GPRS(4Tx slots)	Back	15mm	Ant 4	DSI 1	661	1880	23.63	24.20	1.140	-	-	-0.08	0.210	0.239
	GSM1900	-	-	-	-	GPRS(4Tx slots)	Front	15mm	Ant 4	DSI 3	661	1880	25.55	25.70	1.035	-	-	0.01	0.215	0.223
	GSM1900	-	-	-	-	GPRS(4Tx slots)	Back	15mm	Ant 4	DSI 3	661	1880	25.55	25.70	1.035	-	-	0.08	0.296	0.306
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 3	DSI 3	9400	1880	24.51	25.00	1.119	-	-	-0.19	0.367	0.411
61	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	DSI 3	9400	1880	24.51	25.00	1.119	-	-	-0.12	0.604	0.676
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 1	9400	1880	20.56	20.70	1.033	-	-	0.18	0.153	0.158
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 1	9400	1880	20.56	20.70	1.033	-	-	0.15	0.224	0.231
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 4	DSI 3	9400	1880	23.49	23.70	1.050	-	-	-0.19	0.313	0.329
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 4	DSI 3	9400	1880	23.49	23.70	1.050	-	-	0.02	0.473	0.496
	LTE Band 2	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	18900	1880	24.19	25.50	1.352	-	-	-0.04	0.339	0.458



62	LTE Band 2	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	18900	1880	24.19	25.50	1.352	-	-	0.07	0.611	0.826
	LTE Band 2	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	18700	1860	24.16	25.50	1.361	-	-	0.07	0.584	0.795
	LTE Band 2	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	19100	1900	24.17	25.50	1.358	-	-	-0.12	0.593	0.805
	LTE Band 2	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	18900	1880	23.16	24.50	1.361	-	-	0.16	0.262	0.357
	LTE Band 2	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	18900	1880	23.16	24.50	1.361	-	-	0.01	0.529	0.720
	LTE Band 2	20M	QPSK	100	0	-	Back	15mm	Ant 3	DSI 3	18900	1880	23.14	24.50	1.368	-	-	0.05	0.518	0.708
	LTE Band 2	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	18900	1880	20.71	21.70	1.256	-	-	-0.08	0.170	0.214
	LTE Band 2	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	18900	1880	20.71	21.70	1.256	-	-	-0.03	0.221	0.278
	LTE Band 2	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	18900	1880	23.23	24.20	1.250	-	-	0.18	0.320	0.400
	LTE Band 2	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	18900	1880	23.23	24.20	1.250	-	-	0.01	0.439	0.549
	LTE Band 2	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	18900	1880	20.70	21.70	1.259	-	-	-0.19	0.168	0.211
	LTE Band 2	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	18900	1880	20.70	21.70	1.259	-	-	-0.1	0.217	0.273
2600MHz																				
	LTE Band 7	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	20.77	21.50	1.183	-	-	0.04	0.051	0.060
	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	20.77	21.50	1.183	-	-	0.09	0.094	0.111
	LTE Band 7C	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	21100+21298	2535+2554.8	20.58	21.50	1.236	-	-	0.06	0.039	0.048
	LTE Band 7	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	19.69	20.50	1.205	-	-	-0.05	0.041	0.049
	LTE Band 7	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	19.69	20.50	1.205	-	-	-0.1	0.086	0.104
	LTE Band 7	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	21100	2535	24.03	24.50	1.114	-	-	0.08	0.355	0.396
63	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	21100	2535	24.03	24.50	1.114	-	-	0.17	0.639	0.712
	LTE Band 7C	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	21100+21298	2535+2554.8	23.64	24.50	1.219	-	-	0.08	0.237	0.289
	LTE Band 7	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	21100	2535	23.89	24.50	1.151	-	-	0.07	0.337	0.388
	LTE Band 7	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	21100	2535	23.89	24.50	1.151	-	-	0.05	0.587	0.676
	LTE Band 7	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	21100	2535	18.64	19.00	1.086	-	-	-0.01	0.090	0.098
	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	21100	2535	18.64	19.00	1.086	-	-	0.18	0.131	0.142
	LTE Band 7	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	21100	2535	23.58	24.00	1.102	-	-	0.02	0.310	0.341
	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	21100	2535	23.58	24.00	1.102	-	-	0.08	0.455	0.501
	LTE Band 7C	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	21100+21298	2535+2554.8	23.13	24.00	1.222	-	-	0.03	0.161	0.197
	LTE Band 7	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	21100	2535	18.63	19.00	1.089	-	-	0.15	0.086	0.094
	LTE Band 7	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	21100	2535	18.63	19.00	1.089	-	-	0.05	0.128	0.139
	LTE Band 7	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	19.95	20.50	1.135	-	-	-0.19	0.119	0.135
	LTE Band 7	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	19.95	20.50	1.135	-	-	0.03	0.188	0.213
	LTE Band 7C	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	21100+21298	2535+2554.8	19.66	20.50	1.213	-	-	0.01	0.133	0.161
	LTE Band 7	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	19.94	20.50	1.138	-	-	0.04	0.116	0.132
	LTE Band 7	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	19.94	20.50	1.138	-	-	0.06	0.182	0.207
	LTE Band 41	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	40620	2593	20.66	21.50	1.213	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	40620	2593	20.66	21.50	1.213	62.9	1.006	0.19	0.073	0.089
	LTE Band 38C	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	37901+38099	2585.1+2604.9	20.26	21.50	1.330	62.9	1.006	0.04	0.056	0.075
	LTE Band 41	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	40620	2593	19.63	20.50	1.222	62.9	1.006	-	n/a	n/a
	LTE Band 41	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	40620	2593	19.63	20.50	1.222	62.9	1.006	-0.17	0.066	0.081
	LTE Band 41	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	40620	2593	24.96	25.50	1.132	62.9	1.006	-0.16	0.246	0.280
64	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	40620	2593	24.96	25.50	1.132	62.9	1.006	-0.16	0.417	0.475
	LTE Band 38C	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	37901+38099	2585.1+2604.9	24.50	25.50	1.259	62.9	1.006	-0.04	0.319	0.404
	LTE Band 41	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	40620	2593	23.96	24.50	1.132	62.9	1.006	0.15	0.197	0.224
	LTE Band 41	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	40620	2593	23.96	24.50	1.132	62.9	1.006	-0.09	0.336	0.383
	LTE Band 41	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	40620	2593	22.74	23.00	1.062	62.9	1.006	0.16	0.172	0.184
	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	40620	2593	22.74	23.00	1.062	62.9	1.006	-0.08	0.236	0.252
	LTE Band 41	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	40620	2593	23.68	24.00	1.076	62.9	1.006	0.07	0.196	0.212
	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	40620	2593	23.68	24.00	1.076	62.9	1.006	-0.1	0.286	0.310
	LTE Band 38C	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	37901+38099	2585.1+2604.9	23.08	24.00	1.236	62.9	1.006	0.09	0.172	0.214
	LTE Band 41	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	40620	2593	22.40	23.00	1.148	62.9	1.006	-0.19	0.150	0.173
	LTE Band 41	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	40620	2593	22.40	23.00	1.148	62.9	1.006	-0.15	0.211	0.244
	LTE Band 41	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	40620	2593	20.97	21.50	1.130	62.9	1.006	0.11	0.070	0.080
	LTE Band 41	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	40620	2593	20.97	21.50	1.130	62.9	1.006	0.13	0.118	0.134



FCC SAR Test Report

Report No. : FA380206

	LTE Band 38C	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	37901+38099	2585.1+2604.9	20.43	21.50	1.279	62.9	1.006	0.01	0.094	0.121
	LTE Band 41	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	40620	2593	20.91	21.50	1.146	62.9	1.006	0.05	0.068	0.078
	LTE Band 41	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	40620	2593	20.91	21.50	1.146	62.9	1.006	0.09	0.114	0.131
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 2	DSI 1/3	507000	2535	20.73	21.50	1.194	-	-	-0.11	0.068	0.081
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 2	DSI 1/3	507000	2535	20.73	21.50	1.194	-	-	-0.04	0.091	0.109
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 2	DSI 1/3	507000	2535	20.71	21.50	1.199	-	-	-0.1	0.064	0.077
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 2	DSI 1/3	507000	2535	20.71	21.50	1.199	-	-	-0.13	0.095	0.113
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 3	DSI 3	507000	2535	23.29	24.00	1.178	-	-	-0.11	0.332	0.391
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 3	DSI 3	507000	2535	23.29	24.00	1.178	-	-	-0.13	0.605	0.712
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 3	DSI 3	507000	2535	23.25	24.00	1.189	-	-	0.12	0.340	0.404
65	FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 3	DSI 3	507000	2535	23.25	24.00	1.189	-	-	-0.09	0.614	0.730
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 4	DSI 1	507000	2535	19.97	20.50	1.130	-	-	-0.16	0.135	0.153
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 4	DSI 1	507000	2535	19.97	20.50	1.130	-	-	-0.15	0.186	0.210
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 4	DSI 3	507000	2535	23.45	24.00	1.135	-	-	0.02	0.289	0.328
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 4	DSI 3	507000	2535	23.45	24.00	1.135	-	-	-0.05	0.452	0.513
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 4	DSI 1	507000	2535	19.93	20.50	1.140	-	-	0.19	0.146	0.166
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 4	DSI 1	507000	2535	19.93	20.50	1.140	-	-	0.14	0.192	0.219
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 4	DSI 3	507000	2535	23.43	24.00	1.140	-	-	0.04	0.278	0.317
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 4	DSI 3	507000	2535	23.43	24.00	1.140	-	-	-0.07	0.448	0.511
	FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 5	DSI 1/3	507000	2535	19.42	20.00	1.143	-	-	0.02	0.077	0.088
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 5	DSI 1/3	507000	2535	19.42	20.00	1.143	-	-	-0.02	0.147	0.168
	FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 5	DSI 1/3	507000	2535	19.37	20.00	1.156	-	-	-0.13	0.079	0.091
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 5	DSI 1/3	507000	2535	19.37	20.00	1.156	-	-	0.04	0.179	0.207
	FR1 n38	40M	QPSK	1	53	DFT-30	Front	15mm	Ant 5	DSI 1/3	519000	2595	20.88	21.50	1.153	-	-	-0.17	0.124	0.143
	FR1 n38	40M	QPSK	1	53	DFT-30	Back	15mm	Ant 5	DSI 1/3	519000	2595	20.88	21.50	1.153	-	-	0.06	0.194	0.224
	FR1 n38	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 5	DSI 1/3	519000	2595	20.85	21.50	1.161	-	-	-0.06	0.135	0.157
66	FR1 n38	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 5	DSI 1/3	519000	2595	20.85	21.50	1.161	-	-	0.08	0.204	0.237
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI 1/3	518598	2592.99	21.00	21.50	1.122	-	-	0.06	0.047	0.053
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI 1/3	518598	2592.99	21.00	21.50	1.122	-	-	-0.17	0.093	0.104
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 1/3	518598	2592.99	20.66	21.50	1.213	-	-	-0.18	0.076	0.092
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 1/3	518598	2592.99	20.66	21.50	1.213	-	-	-0.18	0.132	0.160
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI 3	518598	2592.99	25.00	25.50	1.122	-	-	0.16	0.411	0.461
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI 3	518598	2592.99	25.00	25.50	1.122	-	-	0.1	0.706	0.792
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI 3	518598	2592.99	24.83	25.50	1.167	-	-	0.09	0.429	0.501
67	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI 3	518598	2592.99	24.83	25.50	1.167	-	-	0.18	0.731	0.853
	FR1 n41	100M	QPSK	270	0	DFT-30	Back	15mm	Ant 3	DSI 3	518598	2592.99	23.38	24.50	1.294	-	-	-0.02	0.559	0.723
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	-	-	0.12	0.134	0.148
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	-	-	0.19	0.227	0.251
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-	-	0.01	0.335	0.372
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-	-	-0.09	0.509	0.566
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 1	518598	2592.99	20.51	21.00	1.119	-	-	-0.18	0.143	0.160
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 1	518598	2592.99	20.51	21.00	1.119	-	-	0.15	0.241	0.270
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	-	-	0.02	0.326	0.369
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	-	-	-0.04	0.495	0.561
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI 1/3	518598	2592.99	20.38	21.00	1.153	-	-	0.09	0.099	0.114
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI 1/3	518598	2592.99	20.38	21.00	1.153	-	-	-0.16	0.174	0.201
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 1/3	518598	2592.99	20.32	21.00	1.169	-	-	-0.02	0.105	0.123
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 1/3	518598	2592.99	20.32	21.00	1.169	-	-	-0.02	0.187	0.219
3500MHz																				
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	633332	3499.98	16.92	17.50	1.143	-	-	0.03	0.056	0.064
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	16.92	17.50	1.143	-	-	-0.17	0.087	0.099
	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	20.23	20.50	1.064	50	1.000	0.02	0.095	0.102
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	633332	3499.98	16.85	17.50	1.161	-	-	0.19	0.054	0.063
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	16.85	17.50	1.161	-	-	-0.05	0.083	0.096
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	656000	3840	16.50	17.50	1.259	-	-	-	n/a	n/a
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	656000	3840	16.50	17.50	1.259	-	-	-	n/a	n/a



FCC SAR Test Report

Report No. : FA380206

	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	856000	3840	16.42	17.50	1.282	-	-	-	n/a	n/a
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	856000	3840	16.42	17.50	1.282	-	-	-	n/a	n/a
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 1/3	833332	3499.98	15.08	16.00	1.236	-	-	-0.09	0.071	0.088
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	833332	3499.98	15.08	16.00	1.236	-	-	0.15	0.166	0.205
	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	833332	3499.98	18.97	19.00	1.007	50	1.000	0.06	0.204	0.205
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 1/3	833332	3499.98	15.05	16.00	1.245	-	-	-0.18	0.069	0.086
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 1/3	833332	3499.98	15.05	16.00	1.245	-	-	0.01	0.138	0.172
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 1/3	856000	3840	15.05	16.00	1.245	-	-	-0.04	0.055	0.068
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	856000	3840	15.05	16.00	1.245	-	-	0.09	0.100	0.124
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 1/3	856000	3840	15.02	16.00	1.253	-	-	0.16	0.053	0.066
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 1/3	856000	3840	15.02	16.00	1.253	-	-	0.14	0.097	0.122
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 7	DSI 3	833332	3499.98	21.42	22.30	1.225	-	-	0.19	0.238	0.291
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	833332	3499.98	21.42	22.30	1.225	-	-	0.14	0.293	0.359
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 3	833332	3499.98	21.21	22.30	1.285	-	-	0.05	0.231	0.297
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 3	833332	3499.98	21.21	22.30	1.285	-	-	-0.08	0.284	0.365
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 7	DSI 3	856000	3840	21.45	22.30	1.216	-	-	0.18	0.250	0.304
68	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	856000	3840	21.45	22.30	1.216	-	-	-0.18	0.403	0.490
	FR1 n77 Part27O_PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	856000	3840	25.13	25.30	1.040	50	1.000	0.16	0.444	0.462
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 3	856000	3840	21.22	22.30	1.282	-	-	-0.03	0.243	0.312
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 3	856000	3840	21.22	22.30	1.282	-	-	-0.01	0.341	0.437
	FR1 n77 Part27O	100M	QPSK	270	0	DFT-30	Back	15mm	Ant 7	DSI 3	856000	3840	20.98	21.30	1.076	-	-	0.08	0.330	0.355
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 8	DSI 1/3	833332	3499.98	16.18	17.00	1.208	-	-	-0.13	0.061	0.074
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	833332	3499.98	16.18	17.00	1.208	-	-	-0.05	0.070	0.085
	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	833332	3499.98	19.77	20.00	1.054	50	1.000	0.09	0.085	0.089
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	DSI 1/3	833332	3499.98	16.13	17.00	1.222	-	-	0.02	0.059	0.072
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	DSI 1/3	833332	3499.98	16.13	17.00	1.222	-	-	0.18	0.064	0.078
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 8	DSI 1/3	856000	3840	16.12	17.00	1.225	-	-	-	n/a	n/a
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	856000	3840	16.12	17.00	1.225	-	-	0.14	0.047	0.058
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	DSI 1/3	856000	3840	16.08	17.00	1.236	-	-	-	n/a	n/a
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	DSI 1/3	856000	3840	16.08	17.00	1.236	-	-	0.18	0.046	0.057
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	833332	3499.98	17.43	18.00	1.140	-	-	-	n/a	n/a
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	833332	3499.98	17.43	18.00	1.140	-	-	-0.13	0.093	0.105
	FR1 n78 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	833332	3499.98	20.83	21.00	1.040	50	1.000	0.08	0.102	0.106
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	833332	3499.98	17.37	18.00	1.156	-	-	-	n/a	n/a
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	833332	3499.98	17.37	18.00	1.156	-	-	0.11	0.074	0.086
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	850000	3750	17.03	18.00	1.250	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	850000	3750	17.03	18.00	1.250	-	-	0.08	0.055	0.069
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	850000	3750	16.95	18.00	1.274	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	850000	3750	16.95	18.00	1.274	-	-	0.06	0.053	0.067

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
2450MHz																
	Bluetooth	DH5 1Mbps	Front	15mm	Ant 9	Standalone	0	2402	15.20	16.00	1.202	76.6	1.305	0.15	0.037	0.059
70	Bluetooth	DH5 1Mbps	Back	15mm	Ant 9	Standalone	0	2402	15.20	16.00	1.202	76.6	1.305	0.13	0.040	0.062
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 9+8	Standalone	6	2437	21.47	22.00	1.130	99.47	1.005	-0.06	0.164	0.186
71	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 9+8	Standalone	6	2437	21.47	22.00	1.130	99.47	1.005	-0.17	0.190	0.216
5000MHz																
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	15mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	0.09	0.180	0.236
72	WLAN5.3GHz	802.11n-HT40 MCS0	Back	15mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	-0.18	0.188	0.246
	WLAN5.5GHz	802.11a 6Mbps	Front	15mm	Ant 10+11	Standalone	144	5720	13.52	14.50	1.253	96.98	1.031	0.05	0.002	0.003
73	WLAN5.5GHz	802.11a 6Mbps	Back	15mm	Ant 10+11	Standalone	144	5720	13.52	14.50	1.253	96.98	1.031	0.01	0.040	0.052
	WLAN5.8GHz	802.11n-HT40 MCS0	Front	15mm	Ant 10+11	Standalone	159	5795	15.02	16.00	1.253	95.52	1.047	-0.05	0.060	0.079
74	WLAN5.8GHz	802.11n-HT40 MCS0	Back	15mm	Ant 10+11	Standalone	159	5795	15.02	16.00	1.253	95.52	1.047	-0.12	0.119	0.156



<ENDC/ULCA>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
750MHz																				
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Front	15mm	Ant 0	DSI 1	23095	707.5	23.69	24.50	1.205	-	-	0.15	0.111	0.134
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Back	15mm	Ant 0	DSI 1	23095	707.5	23.69	24.50	1.205	-	-	-0.08	0.127	0.153
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Front	15mm	Ant 0	DSI 1	23095	707.5	22.71	23.50	1.199	-	-	0.07	0.093	0.112
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Back	15mm	Ant 0	DSI 1	23095	707.5	22.71	23.50	1.199	-	-	-0.1	0.104	0.125
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Front	15mm	Ant 1	DSI 1/3	23095	707.5	23.95	24.50	1.135	-	-	0.16	0.091	0.103
	LTE Band 12 Other PA	10M	QPSK	1	25	-	Back	15mm	Ant 1	DSI 1/3	23095	707.5	23.95	24.50	1.135	-	-	-0.18	0.106	0.120
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Front	15mm	Ant 1	DSI 1/3	23095	707.5	22.93	23.50	1.140	-	-	0.08	0.073	0.083
	LTE Band 12 Other PA	10M	QPSK	25	12	-	Back	15mm	Ant 1	DSI 1/3	23095	707.5	22.93	23.50	1.140	-	-	-0.04	0.081	0.092
835MHz																				
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Front	15mm	Ant 0	DSI 1	26865	831.5	24.14	25.00	1.219	-	-	-0.16	0.195	0.238
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Back	15mm	Ant 0	DSI 1	26865	831.5	24.14	25.00	1.219	-	-	-0.05	0.220	0.268
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Front	15mm	Ant 0	DSI 1	26865	831.5	23.08	24.00	1.236	-	-	-0.13	0.151	0.187
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Back	15mm	Ant 0	DSI 1	26865	831.5	23.08	24.00	1.236	-	-	-0.08	0.170	0.210
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Front	15mm	Ant 1	DSI 1/3	26865	831.5	24.39	25.00	1.151	-	-	-0.07	0.248	0.285
	LTE Band 26 Other PA	15M	QPSK	1	37	-	Back	15mm	Ant 1	DSI 1/3	26865	831.5	24.39	25.00	1.151	-	-	0.05	0.288	0.331
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Front	15mm	Ant 1	DSI 1/3	26865	831.5	23.31	24.00	1.172	-	-	0.06	0.190	0.223
	LTE Band 26 Other PA	15M	QPSK	36	20	-	Back	15mm	Ant 1	DSI 1/3	26865	831.5	23.31	24.00	1.172	-	-	0.14	0.229	0.268
1750MHz																				
	FR1 n5	20M	QPSK	1	53	DFT-15	Front	15mm	Ant 0	DSI 1	167300	836.5	24.83	25.50	1.167	-	-	-0.03	0.184	0.215
	FR1 n5	20M	QPSK	1	53	DFT-15	Back	15mm	Ant 0	DSI 1	167300	836.5	24.83	25.50	1.167	-	-	0.15	0.226	0.264
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 0	DSI 1	167300	836.5	24.82	25.50	1.169	-	-	-0.18	0.195	0.228
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 0	DSI 1	167300	836.5	24.82	25.50	1.169	-	-	-0.17	0.245	0.287
	FR1 n5	20M	QPSK	1	53	DFT-15	Front	15mm	Ant 1	DSI 1/3	167300	836.5	23.83	24.50	1.167	-	-	-0.12	0.199	0.232
	FR1 n5	20M	QPSK	1	53	DFT-15	Back	15mm	Ant 1	DSI 1/3	167300	836.5	23.83	24.50	1.167	-	-	0.07	0.281	0.328
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	15mm	Ant 1	DSI 1/3	167300	836.5	23.80	24.50	1.175	-	-	0.09	0.214	0.251
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	15mm	Ant 1	DSI 1/3	167300	836.5	23.80	24.50	1.175	-	-	0.05	0.301	0.354
1750MHz																				
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	20175	1732.5	24.28	25.50	1.324	-	-	0.13	0.268	0.355
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	20175	1732.5	24.28	25.50	1.324	-	-	0.03	0.428	0.567
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	20175	1732.5	23.28	24.50	1.324	-	-	-0.17	0.213	0.282
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	20175	1732.5	23.28	24.50	1.324	-	-	0.12	0.388	0.514
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	20175	1732.5	21.38	21.70	1.076	-	-	0.13	0.200	0.215
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	20175	1732.5	21.38	21.70	1.076	-	-	0.05	0.228	0.245
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	20175	1732.5	21.37	21.70	1.079	-	-	0.11	0.197	0.213
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	20175	1732.5	21.37	21.70	1.079	-	-	-0.12	0.218	0.235
1750MHz																				
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	132322	1745	21.70	22.30	1.148	-	-	-	n/a	n/a
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	132322	1745	21.70	22.30	1.148	-	-	-	n/a	n/a
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	132322	1745	20.70	21.30	1.148	-	-	-	n/a	n/a
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	132322	1745	20.70	21.30	1.148	-	-	-	n/a	n/a
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	132322	1745	22.38	23.80	1.387	-	-	-0.18	0.275	0.381
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	132322	1745	22.38	23.80	1.387	-	-	-0.02	0.350	0.485
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	132322	1745	21.38	22.80	1.387	-	-	-0.19	0.214	0.297
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	132322	1745	21.38	22.80	1.387	-	-	-0.05	0.277	0.384
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	132322	1745	19.48	20.90	1.387	-	-	0.04	0.143	0.198
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	132322	1745	19.48	20.90	1.387	-	-	-0.09	0.186	0.258
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	132322	1745	21.50	22.90	1.380	-	-	0.02	0.227	0.313
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	132322	1745	21.50	22.90	1.380	-	-	-0.03	0.295	0.407
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	132322	1745	19.36	20.90	1.426	-	-	-0.18	0.146	0.208
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	132322	1745	19.36	20.90	1.426	-	-	-0.09	0.185	0.264
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 3	132322	1745	20.53	21.90	1.371	-	-	-0.18	0.192	0.263
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 3	132322	1745	20.53	21.90	1.371	-	-	-0.09	0.244	0.334
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	132322	1745	21.52	23.00	1.406	-	-	-	n/a	n/a



FCC SAR Test Report

Report No. : FA380206

LTE Band 66 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
LTE Band 66 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	132322	1745	21.50	23.00	1.413	-	-	-	n/a	n/a
FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 2	DSI 1/3	349000	1745	21.22	22.00	1.197	-	-	-0.06	0.068	0.081
FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 2	DSI 1/3	349000	1745	21.22	22.00	1.197	-	-	-0.08	0.129	0.154
FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 2	DSI 1/3	349000	1745	21.12	22.00	1.225	-	-	0.09	0.072	0.088
FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 2	DSI 1/3	349000	1745	21.12	22.00	1.225	-	-	-0.09	0.136	0.167
FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 3	DSI 3	349000	1745	22.28	23.00	1.180	-	-	0.18	0.279	0.329
FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 3	DSI 3	349000	1745	22.28	23.00	1.180	-	-	-0.03	0.467	0.551
FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 3	DSI 3	349000	1745	22.24	23.00	1.191	-	-	0.11	0.295	0.351
FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	DSI 3	349000	1745	22.24	23.00	1.191	-	-	-0.02	0.474	0.565
FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.01	0.176	0.189
FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.17	0.220	0.237
FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	-0.09	0.394	0.431
FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	-0.02	0.484	0.529
FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	0.16	0.200	0.218
FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	0.01	0.216	0.235
FR1 n66	40M	QPSK	1	108	DFT-15	Front	15mm	Ant 5	DSI 1/3	349000	1745	21.69	22.70	1.262	-	-	-0.11	0.054	0.068
FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 5	DSI 1/3	349000	1745	21.69	22.70	1.262	-	-	0.04	0.069	0.087
FR1 n66	40M	QPSK	108	54	DFT-15	Front	15mm	Ant 5	DSI 1/3	349000	1745	21.66	22.70	1.271	-	-	0.09	0.060	0.076
FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 5	DSI 1/3	349000	1745	21.66	22.70	1.271	-	-	-0.13	0.075	0.095
1900MHz																			
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	18900	1880	22.61	23.00	1.094	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	18900	1880	22.61	23.00	1.094	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	18900	1880	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	18900	1880	21.52	23.00	1.406	-	-	-	n/a	n/a
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	18900	1880	24.51	25.00	1.119	-	-	0.06	0.173	0.194
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	18900	1880	24.51	25.00	1.119	-	-	0.19	0.233	0.261
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	18900	1880	23.43	24.00	1.140	-	-	-0.03	0.142	0.162
LTE Band 2 ENDC & Inter CA Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	18900	1880	23.43	24.00	1.140	-	-	0.15	0.196	0.223
2600MHz																			
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	20.77	21.50	1.183	-	-	0.04	0.051	0.060
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	20.77	21.50	1.183	-	-	0.09	0.094	0.111
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	19.69	20.50	1.205	-	-	-0.05	0.041	0.049
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	19.69	20.50	1.205	-	-	-0.1	0.086	0.104
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	21.58	22.30	1.180	-	-	0.06	0.047	0.055
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	21.58	22.30	1.180	-	-	0.1	0.069	0.081
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	21100	2535	20.52	21.30	1.197	-	-	0.05	0.040	0.048
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	21100	2535	20.52	21.30	1.197	-	-	0.09	0.061	0.073
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	21100	2535	21.63	22.50	1.222	-	-	0.15	0.250	0.305
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	21100	2535	21.63	22.50	1.222	-	-	0.09	0.411	0.502
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	21100	2535	21.60	22.50	1.230	-	-	0.16	0.244	0.300
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	21100	2535	21.60	22.50	1.230	-	-	-0.17	0.405	0.498
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	21100	2535	16.52	17.90	1.374	-	-	0.16	0.065	0.089
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	21100	2535	16.52	17.90	1.374	-	-	-0.05	0.099	0.136
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	21100	2535	21.61	22.90	1.346	-	-	0.06	0.206	0.277
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	21100	2535	21.61	22.90	1.346	-	-	-0.11	0.313	0.421
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	21100	2535	16.45	17.90	1.396	-	-	-0.06	0.064	0.089
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	21100	2535	16.45	17.90	1.396	-	-	0.1	0.100	0.140
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 3	21100	2535	20.52	21.90	1.374	-	-	-0.06	0.168	0.231
LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 3	21100	2535	20.52	21.90	1.374	-	-	0.1	0.263	0.361
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	19.95	20.50	1.135	-	-	-0.19	0.119	0.135
LTE Band 7 Inter CA	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	19.95	20.50	1.135	-	-	0.03	0.188	0.213
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	19.94	20.50	1.138	-	-	0.04	0.116	0.132
LTE Band 7 Inter CA	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	19.94	20.50	1.138	-	-	0.06	0.182	0.207
LTE Band 7 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	20.69	21.50	1.205	-	-	0.04	0.164	0.198
LTE Band 7 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	20.69	21.50	1.205	-	-	0.04	0.257	0.310
LTE Band 7 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	21100	2535	20.61	21.50	1.227	-	-	-0.02	0.159	0.195



LTE Band 7 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	21100	2535	20.61	21.50	1.227	-	-	0.09	0.252	0.309
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 2	DSI 1/3	40620	2593	21.41	22.30	1.227	62.9	1.006	-0.12	0.057	0.070
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 2	DSI 1/3	40620	2593	21.41	22.30	1.227	62.9	1.006	0.02	0.111	0.137
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 2	DSI 1/3	40620	2593	20.36	21.30	1.242	62.9	1.006	-0.01	0.055	0.069
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 2	DSI 1/3	40620	2593	20.36	21.30	1.242	62.9	1.006	0.08	0.105	0.131
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 3	DSI 3	40620	2593	23.04	24.00	1.247	62.9	1.006	0	0.191	0.240
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 3	DSI 3	40620	2593	23.04	24.00	1.247	62.9	1.006	-0.07	0.283	0.355
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 3	DSI 3	40620	2593	22.01	23.00	1.256	62.9	1.006	-0.1	0.193	0.244
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 3	DSI 3	40620	2593	22.01	23.00	1.256	62.9	1.006	0.04	0.290	0.366
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 1	40620	2593	20.37	21.90	1.422	62.9	1.006	0.1	0.111	0.159
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 1	40620	2593	20.37	21.90	1.422	62.9	1.006	-0.18	0.164	0.235
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 4	DSI 3	40620	2593	21.46	22.90	1.393	62.9	1.006	0.1	0.140	0.196
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 4	DSI 3	40620	2593	21.46	22.90	1.393	62.9	1.006	-0.18	0.206	0.289
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 1	40620	2593	20.32	21.90	1.439	62.9	1.006	-0.02	0.110	0.159
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 1	40620	2593	20.32	21.90	1.439	62.9	1.006	-0.14	0.167	0.242
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 4	DSI 3	40620	2593	20.44	21.90	1.400	62.9	1.006	-0.02	0.113	0.159
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 4	DSI 3	40620	2593	20.44	21.90	1.400	62.9	1.006	-0.14	0.171	0.241
LTE Band 41 Other PA	20M	QPSK	1	49	-	Front	15mm	Ant 5	DSI 1/3	40620	2593	21.67	22.50	1.211	62.9	1.006	-0.19	0.132	0.161
LTE Band 41 Other PA	20M	QPSK	1	49	-	Back	15mm	Ant 5	DSI 1/3	40620	2593	21.67	22.50	1.211	62.9	1.006	0.14	0.201	0.245
LTE Band 41 Other PA	20M	QPSK	50	24	-	Front	15mm	Ant 5	DSI 1/3	40620	2593	21.65	22.50	1.216	62.9	1.006	0.05	0.127	0.155
LTE Band 41 Other PA	20M	QPSK	50	24	-	Back	15mm	Ant 5	DSI 1/3	40620	2593	21.65	22.50	1.216	62.9	1.006	0	0.199	0.243
FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 2	DSI 1/3	507000	2535	20.73	21.50	1.194	-	-	-0.11	0.068	0.081
FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 2	DSI 1/3	507000	2535	20.73	21.50	1.194	-	-	-0.04	0.091	0.109
FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 2	DSI 1/3	507000	2535	20.71	21.50	1.199	-	-	-0.1	0.064	0.077
FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 2	DSI 1/3	507000	2535	20.71	21.50	1.199	-	-	-0.13	0.095	0.113
FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 3	DSI 3	507000	2535	21.79	22.50	1.178	-	-	0.06	0.264	0.311
FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 3	DSI 3	507000	2535	21.79	22.50	1.178	-	-	-0.11	0.481	0.566
FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 3	DSI 3	507000	2535	21.74	22.50	1.191	-	-	-0.03	0.270	0.322
FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 3	DSI 3	507000	2535	21.74	22.50	1.191	-	-	0.02	0.488	0.581
FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 4	DSI 1	507000	2535	19.97	20.50	1.130	-	-	-0.16	0.135	0.153
FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 4	DSI 1	507000	2535	19.97	20.50	1.130	-	-	-0.15	0.186	0.210
FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 4	DSI 3	507000	2535	23.45	24.00	1.135	-	-	0.02	0.289	0.328
FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 4	DSI 3	507000	2535	23.45	24.00	1.135	-	-	-0.05	0.452	0.513
FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 4	DSI 1	507000	2535	19.93	20.50	1.140	-	-	0.19	0.146	0.166
FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 4	DSI 1	507000	2535	19.93	20.50	1.140	-	-	0.14	0.192	0.219
FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 4	DSI 3	507000	2535	23.43	24.00	1.140	-	-	0.04	0.278	0.317
FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 4	DSI 3	507000	2535	23.43	24.00	1.140	-	-	-0.07	0.448	0.511
FR1 n7	50M	QPSK	1	135	DFT-15	Front	15mm	Ant 5	DSI 1/3	507000	2535	19.42	20.00	1.143	-	-	0.02	0.077	0.088
FR1 n7	50M	QPSK	1	135	DFT-15	Back	15mm	Ant 5	DSI 1/3	507000	2535	19.42	20.00	1.143	-	-	-0.02	0.147	0.168
FR1 n7	50M	QPSK	135	68	DFT-15	Front	15mm	Ant 5	DSI 1/3	507000	2535	19.37	20.00	1.156	-	-	-0.13	0.079	0.091
FR1 n7	50M	QPSK	135	68	DFT-15	Back	15mm	Ant 5	DSI 1/3	507000	2535	19.37	20.00	1.156	-	-	0.04	0.179	0.207
FR1 n38	40M	QPSK	1	53	DFT-30	Front	15mm	Ant 5	DSI 1/3	519000	2595	20.88	21.50	1.153	-	-	-0.17	0.124	0.143
FR1 n38	40M	QPSK	1	53	DFT-30	Back	15mm	Ant 5	DSI 1/3	519000	2595	20.88	21.50	1.153	-	-	0.06	0.194	0.224
FR1 n38	40M	QPSK	50	28	DFT-30	Front	15mm	Ant 5	DSI 1/3	519000	2595	20.85	21.50	1.161	-	-	-0.06	0.135	0.157
FR1 n38	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 5	DSI 1/3	519000	2595	20.85	21.50	1.161	-	-	0.08	0.204	0.237
FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 2	DSI 1/3	518598	2592.99	21.00	21.50	1.122	-	-	0.06	0.047	0.053
FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 2	DSI 1/3	518598	2592.99	21.00	21.50	1.122	-	-	-0.17	0.093	0.104
FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 2	DSI 1/3	518598	2592.99	20.66	21.50	1.213	-	-	-0.18	0.076	0.092
FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 2	DSI 1/3	518598	2592.99	20.66	21.50	1.213	-	-	-0.18	0.132	0.160
FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 3	DSI 3	518598	2592.99	22.91	23.50	1.146	-	-	0.16	0.291	0.333
FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 3	DSI 3	518598	2592.99	22.91	23.50	1.146	-	-	0.1	0.500	0.573
FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 3	DSI 3	518598	2592.99	22.90	23.50	1.148	-	-	0.09	0.304	0.349
FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 3	DSI 3	518598	2592.99	22.90	23.50	1.148	-	-	0.18	0.511	0.587
FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	-	-	0.12	0.134	0.148
FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	-	-	0.19	0.227	0.251
FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-	-	0.01	0.335	0.372
FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-	-	-0.09	0.509	0.566



FCC SAR Test Report

Report No. : FA380206

	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 1/3	518598	2592.99	20.51	21.00	1.119	-	-	-0.18	0.143	0.160
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 1/3	518598	2592.99	20.51	21.00	1.119	-	-	0.15	0.241	0.270
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	-	-	0.02	0.326	0.369
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	-	-	-0.04	0.495	0.561
	FR1 n41	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 5	DSI 1/3	518598	2592.99	20.38	21.00	1.153	-	-	0.09	0.099	0.114
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 5	DSI 1/3	518598	2592.99	20.38	21.00	1.153	-	-	-0.16	0.174	0.201
	FR1 n41	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 5	DSI 1/3	518598	2592.99	20.32	21.00	1.169	-	-	-0.02	0.105	0.123
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 5	DSI 1/3	518598	2592.99	20.32	21.00	1.169	-	-	-0.02	0.187	0.219

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
3500MHz																				
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	633332	3499.98	17.43	18.00	1.140	-	-	-	n/a	n/a
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	17.43	18.00	1.140	-	-	-0.13	0.093	0.105
	FR1 n78 Part27Q PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	20.83	21.00	1.040	50	1.000	0.08	0.102	0.106
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	633332	3499.98	17.37	18.00	1.156	-	-	-	n/a	n/a
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	633332	3499.98	17.37	18.00	1.156	-	-	0.11	0.074	0.086
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 1	DSI 1/3	650000	3750	17.03	18.00	1.250	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 1	DSI 1/3	650000	3750	17.03	18.00	1.250	-	-	0.08	0.055	0.069
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 1	DSI 1/3	650000	3750	16.95	18.00	1.274	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 1	DSI 1/3	650000	3750	16.95	18.00	1.274	-	-	0.06	0.053	0.067
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 1/3	633332	3499.98	14.12	15.00	1.225	-	-	-0.09	0.071	0.087
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	633332	3499.98	14.12	15.00	1.225	-	-	0.15	0.166	0.203
	FR1 n78 Part27Q PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	633332	3499.98	17.95	18.00	1.012	50	1.000	0.06	0.204	0.206
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 1/3	633332	3499.98	14.07	15.00	1.239	-	-	-0.18	0.069	0.085
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 1/3	633332	3499.98	14.07	15.00	1.239	-	-	0.01	0.138	0.171
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 6	DSI 1/3	650000	3750	14.12	15.00	1.225	-	-	-0.04	0.055	0.067
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 6	DSI 1/3	650000	3750	14.12	15.00	1.225	-	-	0.09	0.100	0.122
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 6	DSI 1/3	650000	3750	14.08	15.00	1.236	-	-	0.16	0.053	0.066
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 6	DSI 1/3	650000	3750	14.08	15.00	1.236	-	-	0.14	0.097	0.120
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 7	DSI 3	633332	3499.98	21.41	22.30	1.227	-	-	0.19	0.238	0.292
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	633332	3499.98	21.41	22.30	1.227	-	-	0.14	0.293	0.360
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 3	633332	3499.98	21.25	22.30	1.274	-	-	0.05	0.231	0.294
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 3	633332	3499.98	21.25	22.30	1.274	-	-	-0.08	0.284	0.362
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 7	DSI 3	650000	3750	21.20	22.30	1.288	-	-	0.18	0.250	0.322
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	650000	3750	21.20	22.30	1.288	-	-	-0.18	0.403	0.519
93	FR1 n78 Part27O PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 7	DSI 3	650000	3750	24.57	25.30	1.183	50	1.000	0.16	0.444	0.525
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 7	DSI 3	650000	3750	21.04	22.30	1.337	-	-	-0.03	0.243	0.325
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 7	DSI 3	650000	3750	21.04	22.30	1.337	-	-	-0.01	0.341	0.456
	FR1 n78 Part27O	100M	QPSK	270	0	DFT-30	Back	15mm	Ant 7	DSI 3	650000	3750	20.81	22.30	1.409	-	-	0.08	0.330	0.465
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 8	DSI 1/3	633332	3499.98	16.15	17.00	1.216	-	-	-0.13	0.061	0.074
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	633332	3499.98	16.15	17.00	1.216	-	-	-0.05	0.070	0.085
	FR1 n78 Part27Q PC2	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	633332	3499.98	19.73	20.00	1.064	50	1.000	0.09	0.085	0.090
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	DSI 1/3	633332	3499.98	16.12	17.00	1.225	-	-	0.02	0.059	0.072
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	DSI 1/3	633332	3499.98	16.12	17.00	1.225	-	-	0.18	0.064	0.078
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Front	15mm	Ant 8	DSI 1/3	650000	3750	15.92	17.00	1.282	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Back	15mm	Ant 8	DSI 1/3	650000	3750	15.92	17.00	1.282	-	-	0.14	0.047	0.060
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Front	15mm	Ant 8	DSI 1/3	650000	3750	15.89	17.00	1.291	-	-	-	n/a	n/a
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 8	DSI 1/3	650000	3750	15.89	17.00	1.291	-	-	0.18	0.046	0.059



15.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
750MHz																				
75	LTE Band 13	10M	QPSK	1	25	-	Left Side	0mm	Ant 1	DSI 3	23230	782	24.72	25.50	1.197	-	-	0.02	0.931	1.114
	LTE Band 13	10M	QPSK	25	12	-	Left Side	0mm	Ant 1	DSI 3	23230	782	23.58	24.50	1.236	-	-	-0.03	0.659	0.814
835MHz																				
	GSM850	-	-	-	-	GPRS(4Tx slots)	Left Side	0mm	Ant 1	DSI 3	189	836.4	28.76	29.50	1.186	-	-	-0.08	1.850	2.194
76	GSM850	-	-	-	-	GPRS(4Tx slots)	Left Side	0mm	Ant 1	DSI 3	128	824.2	29.05	29.50	1.109	-	-	-0.06	2.090	2.318
	GSM850	-	-	-	-	GPRS(4Tx slots)	Left Side	0mm	Ant 1	DSI 3	251	848.8	29.15	29.50	1.084	-	-	-0.06	2.030	2.200
77	LTE Band 26	15M	QPSK	1	37	-	Left Side	0mm	Ant 1	DSI 3	26865	831.5	24.84	25.50	1.164	-	-	-0.01	1.250	1.455
	LTE Band 26	15M	QPSK	36	20	-	Left Side	0mm	Ant 1	DSI 3	26865	831.5	23.78	24.50	1.180	-	-	0.07	1.080	1.275
78	FR1 n5	20M	QPSK	1	53	DFT-15	Left Side	0mm	Ant 1	DSI 3	167300	836.5	23.83	24.50	1.167	-	-	0.05	0.856	0.999
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 1	DSI 3	167300	836.5	23.80	24.50	1.175	-	-	0.1	0.844	0.992
1750MHz																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	1413	1732.6	20.25	21.00	1.189	-	-	-0.12	1.690	2.009
79	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	1312	1712.4	20.23	21.00	1.194	-	-	0.18	1.720	2.054
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	1513	1752.6	20.22	21.00	1.197	-	-	0.16	1.700	2.034
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	1312	1712.4	24.31	25.00	1.172	-	-	0.01	1.730	2.028
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	1413	1732.6	24.35	25.00	1.161	-	-	-0.19	1.690	1.963
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	1513	1752.6	24.33	25.00	1.167	-	-	0.05	1.720	2.007
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 1	1413	1732.6	20.95	21.20	1.059	-	-	0.12	1.640	1.737
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	15mm	Ant 4	DSI 3	1413	1732.6	23.44	23.70	1.062	-	-	0.07	0.394	0.418
	LTE Band 66	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 1	132322	1745	20.73	22.00	1.340	-	-	-0.06	1.410	1.889
80	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	132322	1745	20.73	22.00	1.340	-	-	-0.04	1.900	2.545
	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	132072	1720	20.58	22.00	1.387	-	-	0.19	1.810	2.510
	LTE Band 66	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	132572	1770	20.65	22.00	1.365	-	-	-0.11	1.830	2.497
	LTE Band 66	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	132322	1745	24.28	25.50	1.324	-	-	0.02	1.040	1.377
	LTE Band 66	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	132322	1745	24.28	25.50	1.324	-	-	-0.09	1.790	2.371
	LTE Band 66	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	132072	1720	24.12	25.50	1.374	-	-	0.02	1.670	2.295
	LTE Band 66	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	132572	1770	24.21	25.50	1.346	-	-	0.18	1.700	2.288
	LTE Band 66	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 1	132322	1745	20.72	22.00	1.343	-	-	0.13	1.390	1.866
	LTE Band 66	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	132322	1745	20.72	22.00	1.343	-	-	0.19	1.870	2.511
	LTE Band 66	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	132072	1720	20.63	22.00	1.371	-	-	-0.15	1.790	2.454
	LTE Band 66	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	132572	1770	20.71	22.00	1.346	-	-	0.02	1.850	2.490
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI 1	132322	1745	20.56	22.00	1.393	-	-	0.02	1.800	2.508
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	132322	1745	21.39	22.20	1.205	-	-	-0.03	1.780	2.145
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	132072	1720	21.28	22.20	1.236	-	-	0.08	1.770	2.188
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	132572	1770	21.36	22.20	1.213	-	-	0.01	1.820	2.208
	LTE Band 66	20M	QPSK	1	49	-	Bottom Side	15mm	Ant 4	DSI 3	132572	1770	23.50	24.20	1.175	-	-	0.02	0.374	0.439
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	132322	1745	21.35	22.20	1.216	-	-	0.1	1.710	2.080
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	132072	1720	21.17	22.20	1.268	-	-	-0.19	1.680	2.130
	LTE Band 66	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	132572	1770	21.34	22.20	1.219	-	-	-0.18	1.800	2.194
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 4	DSI 1	132322	1745	21.29	22.20	1.233	-	-	0.07	1.700	2.096
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	0mm	Ant 3	DSI 1	349000	1745	20.68	21.50	1.208	-	-	-0.08	1.310	1.582
	FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	0mm	Ant 3	DSI 1	349000	1745	20.68	21.50	1.208	-	-	0.18	1.840	2.222
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	5mm	Ant 3	DSI 3	349000	1745	24.72	25.50	1.197	-	-	0.01	1.340	1.604
	FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	5mm	Ant 3	DSI 3	349000	1745	24.72	25.50	1.197	-	-	-0.04	1.810	2.166
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 3	DSI 1	349000	1745	20.65	21.50	1.216	-	-	0.13	1.370	1.666
81	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	DSI 1	349000	1745	20.65	21.50	1.216	-	-	0.06	1.880	2.286
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 3	DSI 3	349000	1745	24.63	25.50	1.222	-	-	-0.01	1.330	1.625
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 3	DSI 3	349000	1745	24.63	25.50	1.222	-	-	-0.18	1.780	2.175
	FR1 n66	40M	QPSK	216	0	DFT-15	Top Side	0mm	Ant 3	DSI 1	349000	1745	20.63	21.50	1.222	-	-	0.03	1.860	2.273
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	0mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.06	1.730	1.862



FCC SAR Test Report

Report No. : FA380206

	FR1 n66	40M	QPSK	1	108	DFT-15	Bottom Side	0mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	-	-	0.1	1.520	1.636
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	0.16	1.190	1.302
	FR1 n66	40M	QPSK	1	108	DFT-15	Bottom Side	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	-	-	0.02	1.570	1.718
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	-0.12	1.790	1.949
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-	-	-0.01	1.590	1.731
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.76	24.20	1.107	-	-	0.03	1.210	1.339
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	15mm	Ant 4	DSI 3	349000	1745	23.76	24.20	1.107	-	-	-0.07	1.640	1.815
1900MHz																				
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 3	DSI 1	9400	1880	20.95	21.50	1.135	-	-	0.05	1.630	1.850
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	9400	1880	20.95	21.50	1.135	-	-	0.19	1.950	2.213
82	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	9262	1852.4	20.89	21.50	1.151	-	-	0.05	2.100	2.417
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	9538	1907.6	20.90	21.50	1.148	-	-	0.14	1.940	2.227
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 3	DSI 3	9400	1880	24.51	25.00	1.119	-	-	0.07	1.280	1.433
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	9262	1852.4	24.47	25.00	1.130	-	-	0.05	1.880	2.124
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	9400	1880	24.51	25.00	1.119	-	-	0.05	1.750	1.959
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 3	DSI 3	9538	1907.6	24.43	25.00	1.140	-	-	0.05	1.710	1.950
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 1	9400	1880	20.56	20.70	1.033	-	-	0.03	1.980	2.045
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 1	9262	1852.4	20.52	20.70	1.042	-	-	-0.07	1.970	2.053
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 4	DSI 1	9538	1907.6	20.49	20.70	1.050	-	-	0.15	1.950	2.047
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	15mm	Ant 4	DSI 3	9262	1852.4	23.41	23.70	1.069	-	-	0.09	0.443	0.474
	LTE Band 2	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 1	18900	1880	20.41	21.50	1.285	-	-	-0.12	1.380	1.774
	LTE Band 2	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	18900	1880	20.41	21.50	1.285	-	-	0.1	1.770	2.275
	LTE Band 2	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	18700	1860	20.36	21.50	1.300	-	-	0.12	1.730	2.249
	LTE Band 2	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	19100	1900	20.37	21.50	1.297	-	-	0.14	1.860	2.413
	LTE Band 2	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	18900	1880	24.19	25.50	1.352	-	-	0.19	1.280	1.731
	LTE Band 2	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	19100	1900	24.17	25.50	1.358	-	-	0.1	1.620	2.200
	LTE Band 2	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 1	18900	1880	20.38	21.50	1.294	-	-	-0.07	1.400	1.812
	LTE Band 2	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	18900	1880	20.38	21.50	1.294	-	-	0.06	1.790	2.317
	LTE Band 2	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	18700	1860	20.35	21.50	1.303	-	-	-0.04	1.810	2.359
83	LTE Band 2	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	19100	1900	20.29	21.50	1.321	-	-	-0.16	1.910	2.524
	LTE Band 2	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	18900	1880	23.16	24.50	1.361	-	-	-0.1	1.120	1.525
	LTE Band 2	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	19100	1900	23.15	24.50	1.365	-	-	0.08	1.450	1.979
	LTE Band 2	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI 1	18900	1880	20.29	21.50	1.321	-	-	0.08	1.710	2.259
	LTE Band 2	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	18900	1880	20.71	21.70	1.256	-	-	-0.05	1.650	2.072
	LTE Band 2	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	18700	1860	20.68	21.70	1.265	-	-	0.16	1.570	1.986
	LTE Band 2	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	19100	1900	20.67	21.70	1.268	-	-	-0.06	1.620	2.054
	LTE Band 2	20M	QPSK	1	49	-	Bottom Side	15mm	Ant 4	DSI 3	18900	1880	23.23	24.20	1.250	-	-	-0.05	0.408	0.510
	LTE Band 2	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	18900	1880	20.70	21.70	1.259	-	-	0.17	1.690	2.128
	LTE Band 2	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	18700	1860	20.66	21.70	1.271	-	-	0.06	1.610	2.046
	LTE Band 2	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	19100	1900	20.64	21.70	1.276	-	-	-0.01	1.660	2.119
	LTE Band 2	20M	QPSK	50	24	-	Bottom Side	15mm	Ant 4	DSI 3	18900	1880	22.25	23.20	1.245	-	-	0.07	0.319	0.397
	LTE Band 2	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 4	DSI 1	18900	1880	20.65	21.70	1.274	-	-	-0.05	1.580	2.012
2600MHz																				
	LTE Band 7	20M	QPSK	1	49	-	Back	0mm	Ant 3	DSI 1	21100	2535	19.95	20.50	1.135	-	-	0.11	1.190	1.351
	LTE Band 7	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	21100	2535	19.95	20.50	1.135	-	-	0.1	1.550	1.759
	LTE Band 7	20M	QPSK	1	49	-	Back	5mm	Ant 3	DSI 3	21100	2535	24.03	24.50	1.114	-	-	0.07	1.300	1.449
	LTE Band 7	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	21100	2535	24.03	24.50	1.114	-	-	0.02	1.510	1.683
	LTE Band 7	20M	QPSK	50	24	-	Back	0mm	Ant 3	DSI 1	21100	2535	19.92	20.50	1.143	-	-	0.09	1.290	1.474
84	LTE Band 7	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	21100	2535	19.92	20.50	1.143	-	-	0.18	1.600	1.829
	LTE Band 7	20M	QPSK	50	24	-	Back	5mm	Ant 3	DSI 3	21100	2535	23.89	24.50	1.151	-	-	0.05	1.330	1.531
	LTE Band 7	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	21100	2535	23.89	24.50	1.151	-	-	0.09	1.550	1.784
	LTE Band 38	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	38000	2595	22.53	23.00	1.114	62.9	1.006	0.04	1.540	1.726
	LTE Band 38	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	38000	2595	24.95	25.50	1.135	62.9	1.006	-0.17	0.980	1.119
85	LTE Band 38	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	38000	2595	22.51	23.00	1.119	62.9	1.006	0.12	1.670	1.881
	LTE Band 38	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	38000	2595	23.95	24.50	1.135	62.9	1.006	-0.07	0.740	0.845
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	40620	2593	22.56	23.00	1.107	62.9	1.006	-0.07	1.660	1.848



	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	39750	2506	22.31	23.00	1.172	62.9	1.006	-0.17	1.550	1.828
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	40185	2549.5	22.31	23.00	1.172	62.9	1.006	-0.01	1.600	1.887
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	41055	2636.5	22.33	23.00	1.167	62.9	1.006	-0.15	1.490	1.749
	LTE Band 41	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	41490	2680	22.45	23.00	1.135	62.9	1.006	0.06	1.470	1.678
	LTE Band 41	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	40620	2593	24.96	25.50	1.132	62.9	1.006	-0.19	1.300	1.481
86	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	40620	2593	22.54	23.00	1.112	62.9	1.006	-0.15	1.740	1.946
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	39750	2506	22.30	23.00	1.175	62.9	1.006	0.14	1.600	1.891
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	40185	2549.5	22.21	23.00	1.199	62.9	1.006	-0.19	1.600	1.931
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	41055	2636.5	22.32	23.00	1.169	62.9	1.006	0.05	1.540	1.812
	LTE Band 41	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	41490	2680	22.52	23.00	1.117	62.9	1.006	-0.07	1.520	1.708
	LTE Band 41	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	40620	2593	23.96	24.50	1.132	62.9	1.006	0.13	1.040	1.185
	LTE Band 41	20M	QPSK	100	0	-	Top Side	0mm	Ant 3	DSI 1	40620	2593	22.47	23.00	1.130	62.9	1.006	-0.14	1.680	1.909
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	0mm	Ant 3	DSI 1	507000	2535	19.68	20.50	1.208	-	-	0.1	1.230	1.486
	FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	0mm	Ant 3	DSI 1	507000	2535	19.68	20.50	1.208	-	-	-0.17	1.810	2.186
	FR1 n7	50M	QPSK	1	135	DFT-15	Back	5mm	Ant 3	DSI 3	507000	2535	23.29	24.00	1.178	-	-	0.06	1.220	1.437
	FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	5mm	Ant 3	DSI 3	507000	2535	23.29	24.00	1.178	-	-	0.02	1.530	1.802
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 3	DSI 1	507000	2535	19.64	20.50	1.219	-	-	0.14	1.280	1.560
87	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	0mm	Ant 3	DSI 1	507000	2535	19.64	20.50	1.219	-	-	0.19	1.860	2.267
	FR1 n7	50M	QPSK	135	68	DFT-15	Back	5mm	Ant 3	DSI 3	507000	2535	23.25	24.00	1.189	-	-	-0.03	1.160	1.379
	FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	5mm	Ant 3	DSI 3	507000	2535	23.25	24.00	1.189	-	-	0.01	1.460	1.735
	FR1 n7	50M	QPSK	270	0	DFT-15	Top Side	0mm	Ant 3	DSI 1	507000	2535	19.61	20.50	1.227	-	-	-0.16	1.740	2.136
	FR1 n7	50M	QPSK	1	135	DFT-15	Left Side	0mm	Ant 5	DSI 3	507000	2535	19.42	20.00	1.143	-	-	0.12	0.913	1.043
	FR1 n7	50M	QPSK	135	68	DFT-15	Left Side	0mm	Ant 5	DSI 3	507000	2535	19.37	20.00	1.156	-	-	0.07	1.000	1.156
	FR1 n38	40M	QPSK	1	53	DFT-30	Back	0mm	Ant 3	DSI 1	519000	2595	19.78	20.50	1.180	-	-	-0.02	1.050	1.239
	FR1 n38	40M	QPSK	1	53	DFT-30	Top Side	0mm	Ant 3	DSI 1	519000	2595	19.78	20.50	1.180	-	-	-0.15	1.610	1.900
	FR1 n38	40M	QPSK	1	53	DFT-30	Back	5mm	Ant 3	DSI 3	519000	2595	24.34	25.00	1.164	-	-	0.09	1.340	1.560
	FR1 n38	40M	QPSK	1	53	DFT-30	Top Side	5mm	Ant 3	DSI 3	519000	2595	24.34	25.00	1.164	-	-	0.12	1.600	1.863
	FR1 n38	40M	QPSK	50	28	DFT-30	Back	0mm	Ant 3	DSI 1	519000	2595	19.75	20.50	1.189	-	-	0.14	1.120	1.331
88	FR1 n38	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 3	DSI 1	519000	2595	19.75	20.50	1.189	-	-	0.04	1.730	2.056
	FR1 n38	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 3	DSI 3	519000	2595	24.30	25.00	1.175	-	-	0.18	1.280	1.504
	FR1 n38	40M	QPSK	50	28	DFT-30	Top Side	5mm	Ant 3	DSI 3	519000	2595	24.30	25.00	1.175	-	-	-0.05	1.650	1.939
	FR1 n38	40M	QPSK	100	0	DFT-30	Top Side	0mm	Ant 3	DSI 1	519000	2595	19.71	20.50	1.199	-	-	-0.12	1.580	1.895
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 3	DSI 1	518598	2592.99	19.83	20.50	1.167	-	-	0.13	1.150	1.342
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 3	DSI 1	518598	2592.99	19.83	20.50	1.167	-	-	0.08	1.610	1.879
	FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 3	DSI 3	518598	2592.99	25.00	25.50	1.122	-	-	0.16	1.560	1.750
	FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 3	DSI 3	518598	2592.99	25.00	25.50	1.122	-	-	0.01	1.710	1.919
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI 1	518598	2592.99	19.78	20.50	1.180	-	-	0.01	1.080	1.275
	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 3	DSI 1	518598	2592.99	19.78	20.50	1.180	-	-	0.13	1.680	1.983
	FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	DSI 3	518598	2592.99	24.83	25.50	1.167	-	-	0.09	1.560	1.820
89	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 3	DSI 3	518598	2592.99	24.83	25.50	1.167	-	-	0.01	1.770	2.065
	FR1 n41	100M	QPSK	270	0	DFT-30	Top Side	0mm	Ant 3	DSI 1	518598	2592.99	19.74	20.50	1.191	-	-	0.18	1.670	1.989
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	-	-	0.02	1.640	1.815
	FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-	-	-0.07	0.302	0.336
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.51	21.00	1.119	-	-	0.1	1.560	1.746
	FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	-	-	0.09	0.295	0.334
	FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.47	21.00	1.130	-	-	0.1	1.510	1.706
3000MHz-4000MHz																				
90	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	16.53	17.30	1.194	-	-	0.03	0.851	1.016
	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	19.73	20.30	1.140	50	1.000	0.03	0.821	0.936
	FR1 n77 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 7	DSI 3	633332	3499.98	21.42	22.30	1.225	-	-	0.03	0.820	1.004
	FR1 n77 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	16.48	17.30	1.208	-	-	0.08	0.830	1.002
	FR1 n77 Part27O	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	656000	3840	16.48	17.30	1.208	-	-	0.15	0.779	0.941
	FR1 n77 Part27O	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 1	656000	3840	16.43	17.30	1.222	-	-	0.15	0.757	0.925



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
5000MHz																
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	0.14	0.637	0.834
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	-0.05	0.294	0.385
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	0.12	1.010	1.322
91	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 10+11	Standalone	62	5310	21.03	22.00	1.250	95.52	1.047	0.06	1.530	2.003
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 10+11	Standalone	54	5270	21.01	22.00	1.256	95.52	1.047	0.06	1.450	1.907
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 10+11	Simultaneous	62	5310	20.02	21.00	1.253	95.52	1.047	-0.06	0.506	0.664
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 10+11	Simultaneous	62	5310	20.02	21.00	1.253	95.52	1.047	-0.09	0.234	0.307
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 10+11	Simultaneous	62	5310	20.02	21.00	1.253	95.52	1.047	-0.17	0.804	1.055
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 10+11	Simultaneous	62	5310	20.02	21.00	1.253	95.52	1.047	0.07	1.050	1.378
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 10+11	Standalone/Simultaneous	144	5720	13.52	14.50	1.253	96.98	1.031	-0.16	0.182	0.235
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 10+11	Standalone/Simultaneous	144	5720	13.52	14.50	1.253	96.98	1.031	-0.16	0.129	0.167
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 10+11	Standalone/Simultaneous	144	5720	13.52	14.50	1.253	96.98	1.031	0.13	0.352	0.455
92	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 10+11	Standalone/Simultaneous	144	5720	13.52	14.50	1.253	96.98	1.031	0.05	0.449	0.580

<ENDC/ULCA>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
835MHz																			
	FR1 n5	20M	QPSK	1	53	DFT-15	Left Side	0mm	Ant 1	DSI 3	167300	836.5	23.83	24.50	1.167	0.05	0.856	0.999	
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Side	0mm	Ant 1	DSI 3	167300	836.5	23.80	24.50	1.175	0.1	0.844	0.992	
1750MHz																			
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	20175	1732.5	21.18	21.50	1.076	0.08	1.850	1.991	
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	20175	1732.5	24.42	25.00	1.143	0.01	1.730	1.977	
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	20175	1732.5	21.14	21.50	1.086	-0.12	1.820	1.977	
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	20175	1732.5	21.38	21.70	1.076	-0.14	1.700	1.830	
	LTE Band 4 Inter CA	20M	QPSK	1	49	-	Bottom Side	15mm	Ant 4	DSI 1	20175	1732.5	23.82	24.20	1.091	-0.03	0.449	0.490	
	LTE Band 4 Inter CA	20M	QPSK	50	24	-	Bottom Side	0mm	Ant 4	DSI 1	20175	1732.5	21.37	21.70	1.079	-0.03	1.660	1.791	
	LTE Band 4 Inter CA	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 4	DSI 1	20175	1732.5	21.35	21.70	1.084	0.04	1.670	1.810	
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	132322	1745	16.84	16.80	0.991	0.07	0.909	0.901	
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	132322	1745	20.78	22.30	1.419	0.06	0.897	1.273	
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	132322	1745	16.80	16.80	1.000	0.18	0.927	0.927	
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	132322	1745	20.74	22.30	1.432	0.11	0.872	1.249	
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Bottom Side	0mm	Ant 4	DSI 1	132322	1745	19.48	20.90	1.387	-0.18	1.340	1.858	
	LTE Band 66 Other PA	20M	QPSK	1	49	-	Bottom Side	15mm	Ant 4	DSI 1	132322	1745	21.50	22.90	1.380	0	0.302	0.417	
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Bottom side	0mm	Ant 4	DSI 1	132322	1745	19.36	20.90	1.426	0.07	1.320	1.882	
	LTE Band 66 Other PA	20M	QPSK	50	24	-	Bottom Side	15mm	Ant 4	DSI 1	132322	1745	20.53	21.90	1.371	0.12	0.232	0.318	
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	0mm	Ant 3	DSI 1	349000	1745	18.14	19.00	1.219	-0.08	0.680	0.829	
	FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	0mm	Ant 3	DSI 1	349000	1745	18.14	19.00	1.219	0.18	1.040	1.268	
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	5mm	Ant 3	DSI 3	349000	1745	22.28	23.00	1.180	-0.08	0.754	0.890	
	FR1 n66	40M	QPSK	1	108	DFT-15	Top Side	5mm	Ant 3	DSI 3	349000	1745	22.28	23.00	1.180	0.18	1.020	1.204	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 3	DSI 1	349000	1745	18.06	19.00	1.242	0.13	0.680	0.844	
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	DSI 1	349000	1745	18.06	19.00	1.242	0.06	1.040	1.291	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 3	DSI 3	349000	1745	22.24	23.00	1.191	0.13	0.748	0.891	
	FR1 n66	40M	QPSK	108	54	DFT-15	Top Side	5mm	Ant 3	DSI 3	349000	1745	22.24	23.00	1.191	0.06	1.000	1.191	
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	0mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	0.06	1.730	1.862	
	FR1 n66	40M	QPSK	1	108	DFT-15	Bottom Side	0mm	Ant 4	DSI 1	349000	1745	20.88	21.20	1.076	0.1	1.520	1.636	
	FR1 n66	40M	QPSK	1	108	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	0.16	1.190	1.302	
	FR1 n66	40M	QPSK	1	108	DFT-15	Bottom Side	15mm	Ant 4	DSI 3	349000	1745	23.81	24.20	1.094	0.02	1.570	1.718	
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-0.12	1.790	1.949	
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 4	DSI 1	349000	1745	20.83	21.20	1.089	-0.01	1.590	1.731	



FR1 n66	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 4	DSI 3	349000	1745	23.76	24.20	1.107	0.03	1.210	1.339
FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	15mm	Ant 4	DSI 3	349000	1745	23.76	24.20	1.107	-0.07	1.640	1.815
2600MHz																	
LTE Band 7 Other PA	20M	QPSK	1	49	-	Top Side	0mm	Ant 3	DSI 1	21100	2535	16.55	17.50	1.245	0.11	1.010	1.257
LTE Band 7 Other PA	20M	QPSK	1	49	-	Top Side	5mm	Ant 3	DSI 3	21100	2535	21.63	22.50	1.222	0.03	1.000	1.222
LTE Band 7 Other PA	20M	QPSK	50	24	-	Top Side	0mm	Ant 3	DSI 1	21100	2535	16.43	17.50	1.279	-0.08	0.998	1.277
LTE Band 7 Other PA	20M	QPSK	50	24	-	Top Side	5mm	Ant 3	DSI 3	21100	2535	21.60	22.50	1.230	-0.11	0.982	1.208
FR1 n7	50M	QPSK	1	135	DFT-15	Back	0mm	Ant 3	DSI 1	507000	2535	17.32	18.00	1.169	0.03	0.691	0.808
FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	0mm	Ant 3	DSI 1	507000	2535	17.32	18.00	1.169	0.02	1.070	1.251
FR1 n7	50M	QPSK	1	135	DFT-15	Back	5mm	Ant 3	DSI 3	507000	2535	21.79	22.50	1.178	0.03	0.864	1.017
FR1 n7	50M	QPSK	1	135	DFT-15	Top Side	5mm	Ant 3	DSI 3	507000	2535	21.79	22.50	1.178	0.02	1.070	1.260
FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 3	DSI 1	507000	2535	17.17	18.00	1.211	0.05	0.720	0.872
FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	0mm	Ant 3	DSI 1	507000	2535	17.17	18.00	1.211	-0.03	1.050	1.271
FR1 n7	50M	QPSK	135	68	DFT-15	Back	5mm	Ant 3	DSI 3	507000	2535	21.74	22.50	1.191	0.05	0.821	0.978
FR1 n7	50M	QPSK	135	68	DFT-15	Top Side	5mm	Ant 3	DSI 3	507000	2535	21.74	22.50	1.191	-0.03	1.030	1.227
FR1 n41	100M	QPSK	1	137	DFT-30	Back	0mm	Ant 3	DSI 1	518598	2592.99	17.99	18.50	1.125	0.12	0.726	0.816
FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 3	DSI 1	518598	2592.99	17.99	18.50	1.125	-0.01	1.020	1.147
FR1 n41	100M	QPSK	1	137	DFT-30	Back	5mm	Ant 3	DSI 3	518598	2592.99	22.91	23.50	1.146	0.01	0.984	1.127
FR1 n41	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 3	DSI 3	518598	2592.99	22.91	23.50	1.146	0.16	1.080	1.237
FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	DSI 1	518598	2592.99	17.96	18.50	1.132	0.11	0.681	0.771
FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 3	DSI 1	518598	2592.99	17.96	18.50	1.132	-0.09	1.060	1.200
FR1 n41	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 3	DSI 3	518598	2592.99	22.90	23.50	1.148	0.01	0.984	1.130
FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 3	DSI 3	518598	2592.99	22.90	23.50	1.148	0.08	1.100	1.263
FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.56	21.00	1.107	0.02	1.640	1.815
FR1 n41	100M	QPSK	1	137	DFT-30	Bottom Side	15mm	Ant 4	DSI 3	518598	2592.99	23.54	24.00	1.112	-0.07	0.302	0.336
FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.51	21.00	1.119	0.1	1.560	1.746
FR1 n41	100M	QPSK	135	69	DFT-30	Bottom Side	15mm	Ant 4	DSI 3	518598	2592.99	23.46	24.00	1.132	0.09	0.295	0.334
FR1 n41	100M	QPSK	270	0	DFT-30	Bottom Side	0mm	Ant 4	DSI 1	518598	2592.99	20.47	21.00	1.130	0.1	1.510	1.706

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
3000MHz-4000MHz																				
94	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	15.40	16.30	1.230	-	-	0.03	0.851	1.047
	FR1 n78 Part27Q PC2	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	18.62	19.30	1.169	50	1.000	0.03	0.821	0.960
	FR1 n78 Part27Q	100M	QPSK	1	137	DFT-30	Top Side	5mm	Ant 7	DSI 3	633332	3499.98	21.41	22.30	1.227	-	-	0.03	0.820	1.007
	FR1 n78 Part27Q	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 1	633332	3499.98	15.31	16.30	1.256	-	-	0.08	0.830	1.043
	FR1 n78 Part27O	100M	QPSK	1	137	DFT-30	Top Side	0mm	Ant 7	DSI 1	650000	3750	15.38	16.30	1.236	-	-	0.15	0.779	0.963
	FR1 n78 Part27O	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 7	DSI 1	650000	3750	15.33	16.30	1.250	-	-	0.15	0.757	0.946

15.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	LTE Band 13	10M	QPSK	1	25	-	Left Cheek	0mm	Ant 1	DSI 0	23230	782	24.72	25.50	1.197	-	-	0.03	0.862	1	1.032
2nd	LTE Band 13	10M	QPSK	1	25	-	Left Cheek	0mm	Ant 1	DSI 0	23230	782	24.72	25.50	1.197	-	-	0.05	0.841	1.025	1.006
1st	FR1 n5	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI 0	167300	836.5	23.33	24.00	1.167	-	-	0.16	0.937	1	1.093
2nd	FR1 n5	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI 0	167300	836.5	23.33	24.00	1.167	-	-	-0.07	0.921	1.017	1.075
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 0	1513	1752.6	17.82	18.50	1.169	-	-	0.05	0.863	1	1.009
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 3	DSI 0	1513	1752.6	17.82	18.50	1.169	-	-	0.03	0.842	1.025	0.985
1st	LTE Band 38	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 3	DSI 0	38000	2595	19.98	20.50	1.127	62.9	1.006	0.09	0.869	1	0.985
2nd	LTE Band 38	20M	QPSK	1	49	-	Right Cheek	0mm	Ant 3	DSI 0	38000	2595	19.98	20.50	1.127	62.9	1.006	0.01	0.845	1.028	0.958
1st	GSM1900	-	-	-	-	GPRS(4Tx slots)	Right Cheek	0mm	Ant 3	DSI 0	810	1909.8	20.59	21.50	1.233	-	-	-0.13	0.844	1	1.041
2nd	GSM1900	-	-	-	-	GPRS(4Tx slots)	Right Cheek	0mm	Ant 3	DSI 0	810	1909.8	20.59	21.50	1.233	-	-	-0.01	0.828	1.019	1.021
1st	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI 0	633332	3499.98	23.39	23.50	1.026	50	1.000	0.13	0.883	1	0.906
2nd	FR1 n77 Part27Q_PC2	100M	QPSK	1	137	DFT-30	Left Cheek	0mm	Ant 1	DSI 0	633332	3499.98	23.39	23.50	1.026	50	1.000	0.11	0.861	1.026	0.883
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 9+8	Standalone	6	2437	18.46	19.00	1.132	99.47	1.005	-0.01	0.960	1	1.092
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 9+8	Standalone	6	2437	18.46	19.00	1.132	99.47	1.005	0.08	0.898	1.069	1.021

<10g>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	GSM850	GPRS(4Tx slots)	Left Side	0mm	Ant 1	DSI 3	128	824.2	29.05	29.50	1.109	-	-	-0.06	2.090	1	2.318
2nd	GSM850	GPRS(4Tx slots)	Left Side	0mm	Ant 1	DSI 3	128	824.2	29.05	29.50	1.109	-	-	-0.06	1.910	1.094	2.119
1st	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	9262	1852.4	20.89	21.50	1.151	-	-	0.05	2.100	1	2.417
2nd	WCDMA II	RMC 12.2Kbps	Top Side	0mm	Ant 3	DSI 1	9262	1852.4	20.89	21.50	1.151	-	-	-0.11	2.020	1.040	2.325

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.



15.6 NR Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for 5GNR n77/n78. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each 5GNR configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

SA Mode:

Head:

FR1 n77_Ant 1(HPUE)-Linearity Data for DSI 0		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	20.50	23.50
Reported 1g SAR (W/kg)	0.940	0.906
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94
Linearity SAR (W/kg)	0.938	
% deviation from expected linearity		-3.39%
FR1 n77_Ant 6(HPUE)-Linearity Data for DSI 0		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	14.50	17.50
Reported 1g SAR (W/kg)	0.753	0.699
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12
Linearity SAR (W/kg)	0.751	
% deviation from expected linearity		-6.95%
FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 0		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.80	16.80
Reported 1g SAR (W/kg)	0.365	0.365
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	23.99	23.93
Linearity SAR (W/kg)	0.364	
% deviation from expected linearity		0.24%
FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 0		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.466	0.498
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.465	
% deviation from expected linearity		7.12%

Body worn:

FR1 n77_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.099	0.102
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.099	
% deviation from expected linearity		3.27%
FR1 n77_Ant 6(HPUE)-Linearity Data for DSI 3		



	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.205	0.205
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.205	
% deviation from expected linearity		0.24%
FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	22.30	25.30
Reported 1g SAR (W/kg)	0.490	0.462
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	169.82	169.42
Linearity SAR (W/kg)	0.489	
% deviation from expected linearity		-5.49%
FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00
Reported 1g SAR (W/kg)	0.085	0.089
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR (W/kg)	0.085	
% deviation from expected linearity		4.95%
FR1 n78_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.105	0.106
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95
Linearity SAR (W/kg)	0.105	
% deviation from expected linearity		1.19%

Hotspot:

FR1 n77_Ant 1(HPUE)-Linearity Data for DSI 4		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.401	0.421
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.400	
% deviation from expected linearity		5.24%
FR1 n77_Ant 6(HPUE)-Linearity Data for DSI 4		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	14.50	17.50
Reported 1g SAR (W/kg)	0.268	0.256
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12
Linearity SAR (W/kg)	0.267	
% deviation from expected linearity		-4.25%
FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 4		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	13.80	16.80
Reported 1g SAR (W/kg)	0.190	0.188



Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	23.99	23.93
Linearity SAR (W/kg)	0.190	
% deviation from expected linearity		-0.82%
FR1 n77_Ant 8(HPUE)-Linearity Data for DSI 4		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	16.00	19.00
Reported 1g SAR (W/kg)	0.244	0.243
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR (W/kg)	0.243	
% deviation from expected linearity		-0.17%

Extermity:

FR1 n77_Ant 7(HPUE)-Linearity Data for DSI 1		
	FR1 n77 (Power Class 3)	FR1 n77 (Power Class 2)
Maximum Tune up Power (dBm)	17.30	20.30
Reported 10g SAR (W/kg)	1.016	0.936
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	53.70	53.58
Linearity SAR (W/kg)	1.014	
% deviation from expected linearity		-7.66%

NSA Mode:

Head:

FR1 n78_Ant 1(HPUE)-Linearity Data for DSI 0		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.490	0.479
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.489	
% deviation from expected linearity		-2.01%
FR1 n78_Ant 6(HPUE)-Linearity Data for DSI 0		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	12.00	15.00
Reported 1g SAR (W/kg)	0.599	0.543
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	15.85	15.81
Linearity SAR (W/kg)	0.598	
% deviation from expected linearity		-9.13%
FR1 n78_Ant 7(HPUE)-Linearity Data for DSI 0		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	13.30	16.30
Reported 1g SAR (W/kg)	0.379	0.404
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	21.38	21.33
Linearity SAR (W/kg)	0.378	
% deviation from expected linearity		6.85%
FR1 n78_Ant 8(HPUE)-Linearity Data for DSI 0		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)



Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.477	0.510
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.476	
% deviation from expected linearity		7.17%

Body worn:

FR1 n78_Ant 1(HPUE)-Linearity Data for DSI 3		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	21.00
Reported 1g SAR (W/kg)	0.105	0.106
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	63.10	62.95
Linearity SAR (W/kg)	0.105	
% deviation from expected linearity		1.19%

FR1 n78_Ant 6(HPUE)-Linearity Data for DSI 3		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.203	0.206
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.203	
% deviation from expected linearity		1.72%

FR1 n78_Ant 7(HPUE)-Linearity Data for DSI 3		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	22.30	25.30
Reported 1g SAR (W/kg)	0.519	0.525
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	169.82	169.42
Linearity SAR (W/kg)	0.518	
% deviation from expected linearity		1.40%

FR1 n78_Ant 8(HPUE)-Linearity Data for DSI 3		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	17.00	20.00
Reported 1g SAR (W/kg)	0.085	0.090
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR (W/kg)	0.085	
% deviation from expected linearity		6.13%

Hotspot:

FR1 n78_Ant 1(HPUE)-Linearity Data for DSI 4		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	17.50	20.50
Reported 1g SAR (W/kg)	0.399	0.409
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR (W/kg)	0.398	
% deviation from expected linearity		2.75%

FR1 n78_Ant 6(HPUE)-Linearity Data for DSI 4		
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	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	12.00	15.00
Reported 1g SAR (W/kg)	0.182	0.199
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	15.85	15.81
Linearity SAR (W/kg)	0.182	
% deviation from expected linearity		9.60%
FR1 n78_Ant 7(HPUE)-Linearity Data for DSI 4		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	13.30	16.30
Reported 1g SAR (W/kg)	0.195	0.208
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	21.38	21.33
Linearity SAR (W/kg)	0.195	
% deviation from expected linearity		6.92%
FR1 n78_Ant 8(HPUE)-Linearity Data for DSI 4		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	15.00	18.00
Reported 1g SAR (W/kg)	0.250	0.249
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR (W/kg)	0.249	
% deviation from expected linearity		-0.16%

Extermity:

FR1 n78_Ant 7(HPUE)-Linearity Data for DSI 1		
	FR1 n78 (Power Class 3)	FR1 n78 (Power Class 2)
Maximum Tune up Power (dBm)	16.30	19.30
Reported 10g SAR (W/kg)	1.047	0.960
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	42.66	42.56
Linearity SAR (W/kg)	1.045	
% deviation from expected linearity		-8.09%

16. Simultaneous Transmission Analysis

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

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- The 2.4GHz/5GHz WLAN can transmit in SISO and MIMO antenna mode.
- WLAN2.4GHz/WLAN5GHz MIMO SAR can represent SISO SAR to do co-located SAR analysis.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously; WLAN2.4GHz ANT8 and Bluetooth ANT9 can transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within all antennas for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each band.
- For inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE Bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands.
- For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among all LTE Bands within the selected antenna per each test position and also the worst SAR of all 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5GNR bands.
- The maximum SAR summation is calculated based on the same configuration and test position.
- 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.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, 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 and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.



16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	3	4	10	17	1+10+17	1+4+17	1+3
		WWAN	WLAN2.4GHz Ant 9+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
All Bands	Right Cheek	1.077	0.112	0.051	0.101	0.129	1.31	1.26	1.19
	Right Tilted	0.840	0.118	0.037	0.128	0.147	1.12	1.02	0.96
	Left Cheek	1.093	0.362	0.259	0.241	0.221	1.56	1.57	1.46
	Left Tilted	0.614	0.278	0.104	0.270	0.217	1.10	0.94	0.89

<EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	10	17	1+2+10+17	1+2+4+17	1+2+3
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
LTE All Bands Ant 0	FR1 All Bands Ant 1	Right Cheek	0.235	0.473	0.112	0.051	0.101	0.129	0.94	0.89	0.82
		Right Tilted	0.146	0.089	0.118	0.037	0.128	0.147	0.51	0.42	0.35
		Left Cheek	0.246	0.537	0.362	0.259	0.241	0.221	1.25	1.26	1.15
		Left Tilted	0.111	0.065	0.278	0.104	0.270	0.217	0.66	0.50	0.45
LTE All Bands Ant 0	FR1 All Bands Ant 2	Right Cheek	0.235	0.399	0.112	0.051	0.101	0.129	0.86	0.81	0.75
		Right Tilted	0.146	0.100	0.118	0.037	0.128	0.147	0.52	0.43	0.36
		Left Cheek	0.246	0.549	0.362	0.259	0.241	0.221	1.26	1.28	1.16
		Left Tilted	0.111	0.146	0.278	0.104	0.270	0.217	0.74	0.58	0.54
LTE All Bands Ant 0	FR1 All Bands Ant 3	Right Cheek	0.235	0.588	0.112	0.051	0.101	0.129	1.05	1.00	0.94
		Right Tilted	0.146	0.533	0.118	0.037	0.128	0.147	0.95	0.86	0.80
		Left Cheek	0.246	0.359	0.362	0.259	0.241	0.221	1.07	1.09	0.97
		Left Tilted	0.111	0.390	0.278	0.104	0.270	0.217	0.99	0.82	0.78
LTE All Bands Ant 0	FR1 All Bands Ant 4	Right Cheek	0.235	0.230	0.112	0.051	0.101	0.129	0.70	0.65	0.58
		Right Tilted	0.146	0.131	0.118	0.037	0.128	0.147	0.55	0.46	0.40
		Left Cheek	0.246	0.312	0.362	0.259	0.241	0.221	1.02	1.04	0.92
		Left Tilted	0.111	0.087	0.278	0.104	0.270	0.217	0.69	0.52	0.48
LTE All Bands Ant 0	FR1 All Bands Ant 5	Right Cheek	0.235	0.593	0.112	0.051	0.101	0.129	1.06	1.01	0.94
		Right Tilted	0.146	0.302	0.118	0.037	0.128	0.147	0.72	0.63	0.57
		Left Cheek	0.246	0.164	0.362	0.259	0.241	0.221	0.87	0.89	0.77
		Left Tilted	0.111	0.082	0.278	0.104	0.270	0.217	0.68	0.51	0.47
LTE All Bands Ant 0	FR1 All Bands Ant 6	Right Cheek	0.235	0.599	0.112	0.051	0.101	0.129	1.06	1.01	0.95
		Right Tilted	0.146	0.584	0.118	0.037	0.128	0.147	1.01	0.91	0.85
		Left Cheek	0.246	0.181	0.362	0.259	0.241	0.221	0.89	0.91	0.79
		Left Tilted	0.111	0.192	0.278	0.104	0.270	0.217	0.79	0.62	0.58
LTE All Bands Ant 0	FR1 All Bands Ant 7	Right Cheek	0.235	0.258	0.112	0.051	0.101	0.129	0.72	0.67	0.61
		Right Tilted	0.146	0.326	0.118	0.037	0.128	0.147	0.75	0.66	0.59
		Left Cheek	0.246	0.329	0.362	0.259	0.241	0.221	1.04	1.06	0.94
		Left Tilted	0.111	0.404	0.278	0.104	0.270	0.217	1.00	0.84	0.79
LTE All Bands Ant 0	FR1 All Bands Ant 8	Right Cheek	0.235	0.144	0.112	0.051	0.101	0.129	0.61	0.56	0.49
		Right Tilted	0.146	0.108	0.118	0.037	0.128	0.147	0.53	0.44	0.37
		Left Cheek	0.246	0.510	0.362	0.259	0.241	0.221	1.22	1.24	1.12
		Left Tilted	0.111	0.220	0.278	0.104	0.270	0.217	0.82	0.65	0.61
LTE All Bands Ant 1	FR1 All Bands Ant 0	Right Cheek	0.264	0.230	0.112	0.051	0.101	0.129	0.72	0.67	0.61
		Right Tilted	0.042	0.167	0.118	0.037	0.128	0.147	0.48	0.39	0.33
		Left Cheek	0.538	0.175	0.362	0.259	0.241	0.221	1.18	1.19	1.08
		Left Tilted	0.059	0.110	0.278	0.104	0.270	0.217	0.66	0.49	0.45
LTE All Bands Ant 1	FR1 All Bands Ant 1	Right Cheek	0.264	0.473	0.112	0.051	0.101	0.129	0.97	0.92	0.85
		Right Tilted	0.042	0.089	0.118	0.037	0.128	0.147	0.41	0.32	0.25
		Left Cheek	0.538	0.537	0.362	0.259	0.241	0.221	1.54	1.56	1.44
		Left Tilted	0.059	0.065	0.278	0.104	0.270	0.217	0.61	0.45	0.40



LTE All Bands Ant 1	FR1 All Bands Ant 2	Right Cheek	0.264	0.399	0.112	0.051	0.101	0.129	0.89	0.84	0.78
		Right Tilted	0.042	0.100	0.118	0.037	0.128	0.147	0.42	0.33	0.26
		Left Cheek	0.538	0.549	0.362	0.259	0.241	0.221	1.55	1.57	1.45
		Left Tilted	0.059	0.146	0.278	0.104	0.270	0.217	0.69	0.53	0.48
LTE All Bands Ant 1	FR1 All Bands Ant 3	Right Cheek	0.264	0.588	0.112	0.051	0.101	0.129	1.08	1.03	0.96
		Right Tilted	0.042	0.533	0.118	0.037	0.128	0.147	0.85	0.76	0.69
		Left Cheek	0.538	0.359	0.362	0.259	0.241	0.221	1.36	1.38	1.26
		Left Tilted	0.059	0.390	0.278	0.104	0.270	0.217	0.94	0.77	0.73
LTE All Bands Ant 1	FR1 All Bands Ant 4	Right Cheek	0.264	0.230	0.112	0.051	0.101	0.129	0.72	0.67	0.61
		Right Tilted	0.042	0.131	0.118	0.037	0.128	0.147	0.45	0.36	0.29
		Left Cheek	0.538	0.312	0.362	0.259	0.241	0.221	1.31	1.33	1.21
		Left Tilted	0.059	0.087	0.278	0.104	0.270	0.217	0.63	0.47	0.42
LTE All Bands Ant 1	FR1 All Bands Ant 5	Right Cheek	0.264	0.593	0.112	0.051	0.101	0.129	1.09	1.04	0.97
		Right Tilted	0.042	0.302	0.118	0.037	0.128	0.147	0.62	0.53	0.46
		Left Cheek	0.538	0.164	0.362	0.259	0.241	0.221	1.16	1.18	1.06
		Left Tilted	0.059	0.082	0.278	0.104	0.270	0.217	0.63	0.46	0.42
LTE All Bands Ant 1	FR1 All Bands Ant 6	Right Cheek	0.264	0.599	0.112	0.051	0.101	0.129	1.09	1.04	0.98
		Right Tilted	0.042	0.584	0.118	0.037	0.128	0.147	0.90	0.81	0.74
		Left Cheek	0.538	0.181	0.362	0.259	0.241	0.221	1.18	1.20	1.08
		Left Tilted	0.059	0.192	0.278	0.104	0.270	0.217	0.74	0.57	0.53
LTE All Bands Ant 1	FR1 All Bands Ant 7	Right Cheek	0.264	0.258	0.112	0.051	0.101	0.129	0.75	0.70	0.63
		Right Tilted	0.042	0.326	0.118	0.037	0.128	0.147	0.64	0.55	0.49
		Left Cheek	0.538	0.329	0.362	0.259	0.241	0.221	1.33	1.35	1.23
		Left Tilted	0.059	0.404	0.278	0.104	0.270	0.217	0.95	0.78	0.74
LTE All Bands Ant 1	FR1 All Bands Ant 8	Right Cheek	0.264	0.144	0.112	0.051	0.101	0.129	0.64	0.59	0.52
		Right Tilted	0.042	0.108	0.118	0.037	0.128	0.147	0.43	0.33	0.27
		Left Cheek	0.538	0.510	0.362	0.259	0.241	0.221	1.51	1.53	1.41
		Left Tilted	0.059	0.220	0.278	0.104	0.270	0.217	0.77	0.60	0.56
LTE All Bands Ant 2	FR1 All Bands Ant 0	Right Cheek	0.461	0.230	0.112	0.051	0.101	0.129	0.92	0.87	0.80
		Right Tilted	0.083	0.167	0.118	0.037	0.128	0.147	0.53	0.43	0.37
		Left Cheek	0.351	0.175	0.362	0.259	0.241	0.221	0.99	1.01	0.89
		Left Tilted	0.125	0.110	0.278	0.104	0.270	0.217	0.72	0.56	0.51
LTE All Bands Ant 2	FR1 All Bands Ant 1	Right Cheek	0.461	0.473	0.112	0.051	0.101	0.129	1.16	1.11	1.05
		Right Tilted	0.083	0.089	0.118	0.037	0.128	0.147	0.45	0.36	0.29
		Left Cheek	0.351	0.537	0.362	0.259	0.241	0.221	1.35	1.37	1.25
		Left Tilted	0.125	0.065	0.278	0.104	0.270	0.217	0.68	0.51	0.47
LTE All Bands Ant 2	FR1 All Bands Ant 3	Right Cheek	0.461	0.588	0.112	0.051	0.101	0.129	1.28	1.23	1.16
		Right Tilted	0.083	0.533	0.118	0.037	0.128	0.147	0.89	0.80	0.73
		Left Cheek	0.351	0.359	0.362	0.259	0.241	0.221	1.17	1.19	1.07
		Left Tilted	0.125	0.390	0.278	0.104	0.270	0.217	1.00	0.84	0.79
LTE All Bands Ant 2	FR1 All Bands Ant 4	Right Cheek	0.461	0.230	0.112	0.051	0.101	0.129	0.92	0.87	0.80
		Right Tilted	0.083	0.131	0.118	0.037	0.128	0.147	0.49	0.40	0.33
		Left Cheek	0.351	0.312	0.362	0.259	0.241	0.221	1.13	1.14	1.03
		Left Tilted	0.125	0.087	0.278	0.104	0.270	0.217	0.70	0.53	0.49
LTE All Bands Ant 2	FR1 All Bands Ant 5	Right Cheek	0.461	0.593	0.112	0.051	0.101	0.129	1.28	1.23	1.17
		Right Tilted	0.083	0.302	0.118	0.037	0.128	0.147	0.66	0.57	0.50
		Left Cheek	0.351	0.164	0.362	0.259	0.241	0.221	0.98	1.00	0.88
		Left Tilted	0.125	0.082	0.278	0.104	0.270	0.217	0.69	0.53	0.49
LTE All Bands Ant 2	FR1 All Bands Ant 6	Right Cheek	0.461	0.599	0.112	0.051	0.101	0.129	1.29	1.24	1.17
		Right Tilted	0.083	0.584	0.118	0.037	0.128	0.147	0.94	0.85	0.79
		Left Cheek	0.351	0.181	0.362	0.259	0.241	0.221	0.99	1.01	0.89
		Left Tilted	0.125	0.192	0.278	0.104	0.270	0.217	0.80	0.64	0.60
LTE All Bands Ant 2	FR1 All Bands Ant 7	Right Cheek	0.461	0.258	0.112	0.051	0.101	0.129	0.95	0.90	0.83
		Right Tilted	0.083	0.326	0.118	0.037	0.128	0.147	0.68	0.59	0.53
		Left Cheek	0.351	0.329	0.362	0.259	0.241	0.221	1.14	1.16	1.04
		Left Tilted	0.125	0.404	0.278	0.104	0.270	0.217	1.02	0.85	0.81



LTE All Bands Ant 2	FR1 All Bands Ant 8	Right Cheek	0.461	0.144	0.112	0.051	0.101	0.129	0.84	0.79	0.72
		Right Tilted	0.083	0.108	0.118	0.037	0.128	0.147	0.47	0.38	0.31
		Left Cheek	0.351	0.510	0.362	0.259	0.241	0.221	1.32	1.34	1.22
		Left Tilted	0.125	0.220	0.278	0.104	0.270	0.217	0.83	0.67	0.62
LTE All Bands Ant 3	FR1 All Bands Ant 0	Right Cheek	0.588	0.230	0.112	0.051	0.101	0.129	1.05	1.00	0.93
		Right Tilted	0.586	0.167	0.118	0.037	0.128	0.147	1.03	0.94	0.87
		Left Cheek	0.354	0.175	0.362	0.259	0.241	0.221	0.99	1.01	0.89
		Left Tilted	0.399	0.110	0.278	0.104	0.270	0.217	1.00	0.83	0.79
LTE All Bands Ant 3	FR1 All Bands Ant 1	Right Cheek	0.588	0.473	0.112	0.051	0.101	0.129	1.29	1.24	1.17
		Right Tilted	0.586	0.089	0.118	0.037	0.128	0.147	0.95	0.86	0.79
		Left Cheek	0.354	0.537	0.362	0.259	0.241	0.221	1.35	1.37	1.25
		Left Tilted	0.399	0.065	0.278	0.104	0.270	0.217	0.95	0.79	0.74
LTE All Bands Ant 3	FR1 All Bands Ant 2	Right Cheek	0.588	0.399	0.112	0.051	0.101	0.129	1.22	1.17	1.10
		Right Tilted	0.586	0.100	0.118	0.037	0.128	0.147	0.96	0.87	0.80
		Left Cheek	0.354	0.549	0.362	0.259	0.241	0.221	1.37	1.38	1.27
		Left Tilted	0.399	0.146	0.278	0.104	0.270	0.217	1.03	0.87	0.82
LTE All Bands Ant 3	FR1 All Bands Ant 4	Right Cheek	0.588	0.230	0.112	0.051	0.101	0.129	1.05	1.00	0.93
		Right Tilted	0.586	0.131	0.118	0.037	0.128	0.147	0.99	0.90	0.84
		Left Cheek	0.354	0.312	0.362	0.259	0.241	0.221	1.13	1.15	1.03
		Left Tilted	0.399	0.087	0.278	0.104	0.270	0.217	0.97	0.81	0.76
LTE All Bands Ant 3	FR1 All Bands Ant 5	Right Cheek	0.588	0.593	0.112	0.051	0.101	0.129	1.41	1.36	1.29
		Right Tilted	0.586	0.302	0.118	0.037	0.128	0.147	1.16	1.07	1.01
		Left Cheek	0.354	0.164	0.362	0.259	0.241	0.221	0.98	1.00	0.88
		Left Tilted	0.399	0.082	0.278	0.104	0.270	0.217	0.97	0.80	0.76
LTE All Bands Ant 3	FR1 All Bands Ant 6	Right Cheek	0.588	0.599	0.112	0.051	0.101	0.129	1.42	1.37	1.30
		Right Tilted	0.586	0.584	0.118	0.037	0.128	0.147	1.45	1.35	1.29
		Left Cheek	0.354	0.181	0.362	0.259	0.241	0.221	1.00	1.02	0.90
		Left Tilted	0.399	0.192	0.278	0.104	0.270	0.217	1.08	0.91	0.87
LTE All Bands Ant 3	FR1 All Bands Ant 7	Right Cheek	0.588	0.258	0.112	0.051	0.101	0.129	1.08	1.03	0.96
		Right Tilted	0.586	0.326	0.118	0.037	0.128	0.147	1.19	1.10	1.03
		Left Cheek	0.354	0.329	0.362	0.259	0.241	0.221	1.15	1.16	1.05
		Left Tilted	0.399	0.404	0.278	0.104	0.270	0.217	1.29	1.12	1.08
LTE All Bands Ant 3	FR1 All Bands Ant 8	Right Cheek	0.588	0.144	0.112	0.051	0.101	0.129	0.96	0.91	0.84
		Right Tilted	0.586	0.108	0.118	0.037	0.128	0.147	0.97	0.88	0.81
		Left Cheek	0.354	0.510	0.362	0.259	0.241	0.221	1.33	1.34	1.23
		Left Tilted	0.399	0.220	0.278	0.104	0.270	0.217	1.11	0.94	0.90

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	10	17	1+2+10+17	1+2+4+17	1+2+3
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
LTE All Bands Ant 4	FR1 All Bands Ant 0	Right Cheek	0.166	0.230	0.112	0.051	0.101	0.129	0.63	0.58	0.51
		Right Tilted	0.125	0.167	0.118	0.037	0.128	0.147	0.57	0.48	0.41
		Left Cheek	0.196	0.175	0.362	0.259	0.241	0.221	0.83	0.85	0.73
		Left Tilted	0.092	0.110	0.278	0.104	0.270	0.217	0.69	0.52	0.48
LTE All Bands Ant 4	FR1 All Bands Ant 1	Right Cheek	0.166	0.473	0.112	0.051	0.101	0.129	0.87	0.82	0.75
		Right Tilted	0.125	0.089	0.118	0.037	0.128	0.147	0.49	0.40	0.33
		Left Cheek	0.196	0.537	0.362	0.259	0.241	0.221	1.20	1.21	1.10
		Left Tilted	0.092	0.065	0.278	0.104	0.270	0.217	0.64	0.48	0.44
LTE All Bands Ant 4	FR1 All Bands Ant 2	Right Cheek	0.166	0.399	0.112	0.051	0.101	0.129	0.80	0.75	0.68
		Right Tilted	0.125	0.100	0.118	0.037	0.128	0.147	0.50	0.41	0.34
		Left Cheek	0.196	0.549	0.362	0.259	0.241	0.221	1.21	1.23	1.11
		Left Tilted	0.092	0.146	0.278	0.104	0.270	0.217	0.73	0.56	0.52
LTE All Bands Ant 4	FR1 All Bands Ant 3	Right Cheek	0.166	0.588	0.112	0.051	0.101	0.129	0.98	0.93	0.87
		Right Tilted	0.125	0.533	0.118	0.037	0.128	0.147	0.93	0.84	0.78
		Left Cheek	0.196	0.359	0.362	0.259	0.241	0.221	1.02	1.04	0.92



LTE All Bands Ant 4	FR1 All Bands Ant 5	Left Tilted	0.092	0.390	0.278	0.104	0.270	0.217	0.97	0.80	0.76
		Right Cheek	0.166	0.593	0.112	0.051	0.101	0.129	0.99	0.94	0.87
		Right Tilted	0.125	0.302	0.118	0.037	0.128	0.147	0.70	0.61	0.55
		Left Cheek	0.196	0.164	0.362	0.259	0.241	0.221	0.82	0.84	0.72
LTE All Bands Ant 4	FR1 All Bands Ant 6	Left Tilted	0.092	0.082	0.278	0.104	0.270	0.217	0.66	0.50	0.45
		Right Cheek	0.166	0.599	0.112	0.051	0.101	0.129	1.00	0.95	0.88
		Right Tilted	0.125	0.584	0.118	0.037	0.128	0.147	0.98	0.89	0.83
		Left Cheek	0.196	0.181	0.362	0.259	0.241	0.221	0.84	0.86	0.74
LTE All Bands Ant 4	FR1 All Bands Ant 7	Left Tilted	0.092	0.192	0.278	0.104	0.270	0.217	0.77	0.61	0.56
		Right Cheek	0.166	0.258	0.112	0.051	0.101	0.129	0.65	0.60	0.54
		Right Tilted	0.125	0.326	0.118	0.037	0.128	0.147	0.73	0.64	0.57
		Left Cheek	0.196	0.329	0.362	0.259	0.241	0.221	0.99	1.01	0.89
LTE All Bands Ant 4	FR1 All Bands Ant 8	Left Tilted	0.092	0.404	0.278	0.104	0.270	0.217	0.98	0.82	0.77
		Right Cheek	0.166	0.144	0.112	0.051	0.101	0.129	0.54	0.49	0.42
		Right Tilted	0.125	0.108	0.118	0.037	0.128	0.147	0.51	0.42	0.35
		Left Cheek	0.196	0.510	0.362	0.259	0.241	0.221	1.17	1.19	1.07
LTE All Bands Ant 5	FR1 All Bands Ant 0	Left Tilted	0.092	0.220	0.278	0.104	0.270	0.217	0.80	0.63	0.59
		Right Cheek	0.570	0.230	0.112	0.051	0.101	0.129	1.03	0.98	0.91
		Right Tilted	0.233	0.167	0.118	0.037	0.128	0.147	0.68	0.58	0.52
		Left Cheek	0.171	0.175	0.362	0.259	0.241	0.221	0.81	0.83	0.71
LTE All Bands Ant 5	FR1 All Bands Ant 1	Left Tilted	0.098	0.110	0.278	0.104	0.270	0.217	0.70	0.53	0.49
		Right Cheek	0.570	0.473	0.112	0.051	0.101	0.129	1.27	1.22	1.16
		Right Tilted	0.233	0.089	0.118	0.037	0.128	0.147	0.60	0.51	0.44
		Left Cheek	0.171	0.537	0.362	0.259	0.241	0.221	1.17	1.19	1.07
LTE All Bands Ant 5	FR1 All Bands Ant 2	Left Tilted	0.098	0.065	0.278	0.104	0.270	0.217	0.65	0.48	0.44
		Right Cheek	0.570	0.399	0.112	0.051	0.101	0.129	1.20	1.15	1.08
		Right Tilted	0.233	0.100	0.118	0.037	0.128	0.147	0.61	0.52	0.45
		Left Cheek	0.171	0.549	0.362	0.259	0.241	0.221	1.18	1.20	1.08
LTE All Bands Ant 5	FR1 All Bands Ant 3	Left Tilted	0.098	0.146	0.278	0.104	0.270	0.217	0.73	0.57	0.52
		Right Cheek	0.570	0.588	0.112	0.051	0.101	0.129	1.39	1.34	1.27
		Right Tilted	0.233	0.533	0.118	0.037	0.128	0.147	1.04	0.95	0.88
		Left Cheek	0.171	0.359	0.362	0.259	0.241	0.221	0.99	1.01	0.89
LTE All Bands Ant 5	FR1 All Bands Ant 4	Left Tilted	0.098	0.390	0.278	0.104	0.270	0.217	0.98	0.81	0.77
		Right Cheek	0.570	0.230	0.112	0.051	0.101	0.129	1.03	0.98	0.91
		Right Tilted	0.233	0.131	0.118	0.037	0.128	0.147	0.64	0.55	0.48
		Left Cheek	0.171	0.312	0.362	0.259	0.241	0.221	0.95	0.96	0.85
LTE All Bands Ant 5	FR1 All Bands Ant 6	Left Tilted	0.098	0.087	0.278	0.104	0.270	0.217	0.67	0.51	0.46
		Right Cheek	0.570	0.599	0.112	0.051	0.101	0.129	1.40	1.35	1.28
		Right Tilted	0.233	0.584	0.118	0.037	0.128	0.147	1.09	1.00	0.94
		Left Cheek	0.171	0.181	0.362	0.259	0.241	0.221	0.81	0.83	0.71
LTE All Bands Ant 5	FR1 All Bands Ant 7	Left Tilted	0.098	0.192	0.278	0.104	0.270	0.217	0.78	0.61	0.57
		Right Cheek	0.570	0.258	0.112	0.051	0.101	0.129	1.06	1.01	0.94
		Right Tilted	0.233	0.326	0.118	0.037	0.128	0.147	0.83	0.74	0.68
		Left Cheek	0.171	0.329	0.362	0.259	0.241	0.221	0.96	0.98	0.86
LTE All Bands Ant 5	FR1 All Bands Ant 8	Left Tilted	0.098	0.404	0.278	0.104	0.270	0.217	0.99	0.82	0.78
		Right Cheek	0.570	0.144	0.112	0.051	0.101	0.129	0.94	0.89	0.83
		Right Tilted	0.233	0.108	0.118	0.037	0.128	0.147	0.62	0.53	0.46
		Left Cheek	0.171	0.510	0.362	0.259	0.241	0.221	1.14	1.16	1.04
		Left Tilted	0.098	0.220	0.278	0.104	0.270	0.217	0.81	0.64	0.60



<Inter CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	10	17	1+2+10+17	1+2+4+17	1+2+3
			WWAN	WWAN	WLAN2.4GHz Ant 9+8	WLAN2.4GHz Ant 8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
LTE Band 2 Ant 2	LTE Band 4 Ant 3	Right Cheek		0.547	0.112	0.051	0.101	0.129	0.78	0.73	0.66
		Right Tilted		0.472	0.118	0.037	0.128	0.147	0.75	0.66	0.59
		Left Cheek		0.300	0.362	0.259	0.241	0.221	0.76	0.78	0.66
		Left Tilted		0.321	0.278	0.104	0.270	0.217	0.81	0.64	0.60
LTE Band 2 Ant 2	LTE Band 4 Ant 4	Right Cheek		0.190	0.112	0.051	0.101	0.129	0.42	0.37	0.30
		Right Tilted		0.108	0.118	0.037	0.128	0.147	0.38	0.29	0.23
		Left Cheek		0.152	0.362	0.259	0.241	0.221	0.61	0.63	0.51
		Left Tilted		0.105	0.278	0.104	0.270	0.217	0.59	0.43	0.38
LTE Band 2 Ant 5	LTE Band 4 Ant 3	Right Cheek	0.567	0.547	0.112	0.051	0.101	0.129	1.34	1.29	1.23
		Right Tilted	0.194	0.472	0.118	0.037	0.128	0.147	0.94	0.85	0.78
		Left Cheek	0.166	0.300	0.362	0.259	0.241	0.221	0.93	0.95	0.83
		Left Tilted	0.073	0.321	0.278	0.104	0.270	0.217	0.88	0.72	0.67
LTE Band 2 Ant 5	LTE Band 4 Ant 4	Right Cheek	0.567	0.190	0.112	0.051	0.101	0.129	0.99	0.94	0.87
		Right Tilted	0.194	0.108	0.118	0.037	0.128	0.147	0.58	0.49	0.42
		Left Cheek	0.166	0.152	0.362	0.259	0.241	0.221	0.78	0.80	0.68
		Left Tilted	0.073	0.105	0.278	0.104	0.270	0.217	0.67	0.50	0.46
LTE Band 4 Ant 3	LTE Band 7 Ant 2	Right Cheek	0.547	0.393	0.112	0.051	0.101	0.129	1.17	1.12	1.05
		Right Tilted	0.472	0.083	0.118	0.037	0.128	0.147	0.83	0.74	0.67
		Left Cheek	0.300	0.324	0.362	0.259	0.241	0.221	1.09	1.10	0.99
		Left Tilted	0.321	0.112	0.278	0.104	0.270	0.217	0.92	0.75	0.71
LTE Band 4 Ant 3	LTE Band 7 Ant 5	Right Cheek	0.547	0.565	0.112	0.051	0.101	0.129	1.34	1.29	1.22
		Right Tilted	0.472	0.201	0.118	0.037	0.128	0.147	0.95	0.86	0.79
		Left Cheek	0.300	0.140	0.362	0.259	0.241	0.221	0.90	0.92	0.80
		Left Tilted	0.321	0.077	0.278	0.104	0.270	0.217	0.89	0.72	0.68
LTE Band 4 Ant 4	LTE Band 7 Ant 2	Right Cheek	0.190	0.393	0.112	0.051	0.101	0.129	0.81	0.76	0.70
		Right Tilted	0.108	0.083	0.118	0.037	0.128	0.147	0.47	0.38	0.31
		Left Cheek	0.152	0.324	0.362	0.259	0.241	0.221	0.94	0.96	0.84
		Left Tilted	0.105	0.112	0.278	0.104	0.270	0.217	0.70	0.54	0.50
LTE Band 4 Ant 4	LTE Band 7 Ant 5	Right Cheek	0.190	0.565	0.112	0.051	0.101	0.129	0.99	0.94	0.87
		Right Tilted	0.108	0.201	0.118	0.037	0.128	0.147	0.58	0.49	0.43
		Left Cheek	0.152	0.140	0.362	0.259	0.241	0.221	0.75	0.77	0.65
		Left Tilted	0.105	0.077	0.278	0.104	0.270	0.217	0.67	0.50	0.46



16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3+17	1+10+17
		WWAN	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
All Bands	Front	0.446	0.485	0.150	0.099	1.03	0.70
	Back	0.598	0.495	0.192	0.107	1.20	0.90
	Left side	1.085				1.09	1.09
	Right side	0.516	0.550	0.208	0.065	1.13	0.79
	Top side	0.434	0.425	0.287	0.128	0.99	0.85
	Bottom side	0.939				0.94	0.94

<EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 All Bands Ant 0	FR1 All Bands Ant 1	Front	0.324	0.197	0.485	0.150	0.099	1.11	0.77
		Back	0.402	0.237	0.495	0.192	0.107	1.24	0.94
		Left side		0.533				0.53	0.53
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 2	Front	0.324	0.183	0.485	0.150	0.099	1.09	0.76
		Back	0.402	0.330	0.495	0.192	0.107	1.33	1.03
		Left side						0.00	0.00
		Right side	0.265	0.516	0.550	0.208	0.065	1.40	1.05
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 3	Front	0.324	0.122	0.485	0.150	0.099	1.03	0.70
		Back	0.402	0.198	0.495	0.192	0.107	1.20	0.90
		Left side		0.098				0.10	0.10
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side		0.277	0.425	0.287	0.128	0.83	0.69
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 4	Front	0.324	0.328	0.485	0.150	0.099	1.24	0.90
		Back	0.402	0.477	0.495	0.192	0.107	1.48	1.18
		Left side		0.147				0.15	0.15
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.258	0.617				0.88	0.88
LTE All Bands Ant 0	FR1 All Bands Ant 5	Front	0.324	0.122	0.485	0.150	0.099	1.03	0.70
		Back	0.402	0.178	0.495	0.192	0.107	1.18	0.88
		Left side		0.266				0.27	0.27
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side		0.051	0.425	0.287	0.128	0.60	0.47
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 6	Front	0.324	0.084	0.485	0.150	0.099	0.99	0.66
		Back	0.402	0.199	0.495	0.192	0.107	1.20	0.90
		Left side		0.136				0.14	0.14
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side		0.182	0.425	0.287	0.128	0.74	0.60
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 7	Front	0.324	0.076	0.485	0.150	0.099	0.98	0.65
		Back	0.402	0.108	0.495	0.192	0.107	1.11	0.81



		Left side						0.00	0.00
		Right side	0.265		0.550	0.208	0.065	0.88	0.54
		Top side		0.208	0.425	0.287	0.128	0.76	0.62
		Bottom side	0.258					0.26	0.26
LTE All Bands Ant 0	FR1 All Bands Ant 8	Front	0.324	0.115	0.485	0.150	0.099	1.02	0.69
		Back	0.402	0.131	0.495	0.192	0.107	1.14	0.83
		Left side						0.00	0.00
		Right side	0.265	0.250	0.550	0.208	0.065	1.13	0.79
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.258					0.26	0.26
		Front	0.243	0.353	0.485	0.150	0.099	1.18	0.85
		Back	0.293	0.420	0.495	0.192	0.107	1.32	1.01
LTE All Bands Ant 1	FR1 All Bands Ant 0	Left side	0.564					0.56	0.56
		Right side		0.296	0.550	0.208	0.065	0.91	0.57
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side		0.291				0.29	0.29
LTE All Bands Ant 1	FR1 All Bands Ant 1	Front	0.243	0.197	0.485	0.150	0.099	1.02	0.69
		Back	0.293	0.237	0.495	0.192	0.107	1.13	0.83
		Left side	0.564	0.533				1.10	1.10
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side						0.00	0.00
		Front	0.243	0.183	0.485	0.150	0.099	1.01	0.68
		Back	0.293	0.330	0.495	0.192	0.107	1.23	0.92
LTE All Bands Ant 1	FR1 All Bands Ant 2	Left side	0.564					0.56	0.56
		Right side		0.516	0.550	0.208	0.065	1.13	0.79
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side						0.00	0.00
LTE All Bands Ant 1	FR1 All Bands Ant 3	Front	0.243	0.122	0.485	0.150	0.099	0.95	0.61
		Back	0.293	0.198	0.495	0.192	0.107	1.09	0.79
		Left side	0.564	0.098				0.66	0.66
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side		0.277	0.425	0.287	0.128	0.83	0.69
		Bottom side						0.00	0.00
		Front	0.243	0.328	0.485	0.150	0.099	1.16	0.82
		Back	0.293	0.477	0.495	0.192	0.107	1.37	1.07
LTE All Bands Ant 1	FR1 All Bands Ant 4	Left side	0.564	0.147				0.71	0.71
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side		0.617				0.62	0.62
LTE All Bands Ant 1	FR1 All Bands Ant 5	Front	0.243	0.122	0.485	0.150	0.099	0.95	0.61
		Back	0.293	0.178	0.495	0.192	0.107	1.07	0.77
		Left side	0.564	0.266				0.83	0.83
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side		0.051	0.425	0.287	0.128	0.60	0.47
		Bottom side						0.00	0.00
		Front	0.243	0.084	0.485	0.150	0.099	0.91	0.58
		Back	0.293	0.199	0.495	0.192	0.107	1.09	0.79
LTE All Bands Ant 1	FR1 All Bands Ant 6	Left side	0.564	0.136				0.70	0.70
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side		0.182	0.425	0.287	0.128	0.74	0.60
		Bottom side						0.00	0.00
LTE All Bands Ant 1	FR1 All Bands Ant 7	Front	0.243	0.076	0.485	0.150	0.099	0.90	0.57
		Back	0.293	0.108	0.495	0.192	0.107	1.00	0.70
		Left side	0.564					0.56	0.56
		Right side			0.550	0.208	0.065	0.62	0.27



		Top side		0.208	0.425	0.287	0.128	0.76	0.62	
		Bottom side						0.00	0.00	
LTE All Bands Ant 1	FR1 All Bands Ant 8	Front	0.243	0.115	0.485	0.150	0.099	0.94	0.61	
		Back	0.293	0.131	0.495	0.192	0.107	1.03	0.72	
		Left side	0.564						0.56	0.56
		Right side		0.250	0.550	0.208	0.065	0.87	0.52	
		Top side			0.425	0.287	0.128	0.55	0.42	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 0	Front	0.130	0.353	0.485	0.150	0.099	1.07	0.73	
		Back	0.243	0.420	0.495	0.192	0.107	1.27	0.96	
		Left side							0.00	0.00
		Right side	0.412	0.296	0.550	0.208	0.065	1.32	0.98	
		Top side			0.425	0.287	0.128	0.55	0.42	
		Bottom side		0.291				0.29	0.29	
LTE All Bands Ant 2	FR1 All Bands Ant 1	Front	0.130	0.197	0.485	0.150	0.099	0.91	0.58	
		Back	0.243	0.237	0.495	0.192	0.107	1.08	0.78	
		Left side		0.533					0.53	0.53
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side			0.425	0.287	0.128	0.55	0.42	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 3	Front	0.130	0.122	0.485	0.150	0.099	0.84	0.50	
		Back	0.243	0.198	0.495	0.192	0.107	1.04	0.74	
		Left side		0.098					0.10	0.10
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side		0.277	0.425	0.287	0.128	0.83	0.69	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 4	Front	0.130	0.328	0.485	0.150	0.099	1.04	0.71	
		Back	0.243	0.477	0.495	0.192	0.107	1.32	1.02	
		Left side		0.147					0.15	0.15
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side			0.425	0.287	0.128	0.55	0.42	
		Bottom side		0.617				0.62	0.62	
LTE All Bands Ant 2	FR1 All Bands Ant 5	Front	0.130	0.122	0.485	0.150	0.099	0.84	0.50	
		Back	0.243	0.178	0.495	0.192	0.107	1.02	0.72	
		Left side		0.266					0.27	0.27
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side		0.051	0.425	0.287	0.128	0.60	0.47	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 6	Front	0.130	0.084	0.485	0.150	0.099	0.80	0.46	
		Back	0.243	0.199	0.495	0.192	0.107	1.04	0.74	
		Left side		0.136					0.14	0.14
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side		0.182	0.425	0.287	0.128	0.74	0.60	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 7	Front	0.130	0.076	0.485	0.150	0.099	0.79	0.46	
		Back	0.243	0.108	0.495	0.192	0.107	0.95	0.65	
		Left side							0.00	0.00
		Right side	0.412		0.550	0.208	0.065	1.03	0.69	
		Top side		0.208	0.425	0.287	0.128	0.76	0.62	
		Bottom side						0.00	0.00	
LTE All Bands Ant 2	FR1 All Bands Ant 8	Front	0.130	0.115	0.485	0.150	0.099	0.83	0.49	
		Back	0.243	0.131	0.495	0.192	0.107	0.98	0.67	
		Left side							0.00	0.00
		Right side	0.412	0.250	0.550	0.208	0.065	1.28	0.94	
		Top side			0.425	0.287	0.128	0.55	0.42	
		Bottom side						0.00	0.00	



LTE All Bands Ant 3	FR1 All Bands Ant 0	Front	0.131	0.353	0.485	0.150	0.099	1.07	0.73
		Back	0.200	0.420	0.495	0.192	0.107	1.22	0.92
		Left side	0.085					0.09	0.09
		Right side		0.296	0.550	0.208	0.065	0.91	0.57
		Top side	0.314		0.425	0.287	0.128	0.87	0.73
		Bottom side		0.291				0.29	0.29
LTE All Bands Ant 3	FR1 All Bands Ant 1	Front	0.131	0.197	0.485	0.150	0.099	0.91	0.58
		Back	0.200	0.237	0.495	0.192	0.107	1.04	0.74
		Left side	0.085	0.533				0.62	0.62
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.314		0.425	0.287	0.128	0.87	0.73
		Bottom side						0.00	0.00
LTE All Bands Ant 3	FR1 All Bands Ant 2	Front	0.131	0.183	0.485	0.150	0.099	0.90	0.56
		Back	0.200	0.330	0.495	0.192	0.107	1.13	0.83
		Left side	0.085					0.09	0.09
		Right side		0.516	0.550	0.208	0.065	1.13	0.79
		Top side	0.314		0.425	0.287	0.128	0.87	0.73
		Bottom side						0.00	0.00
LTE All Bands Ant 3	FR1 All Bands Ant 4	Front	0.131	0.328	0.485	0.150	0.099	1.04	0.71
		Back	0.200	0.477	0.495	0.192	0.107	1.28	0.98
		Left side	0.085	0.147				0.23	0.23
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.314		0.425	0.287	0.128	0.87	0.73
		Bottom side		0.617				0.62	0.62
LTE All Bands Ant 3	FR1 All Bands Ant 5	Front	0.131	0.122	0.485	0.150	0.099	0.84	0.50
		Back	0.200	0.178	0.495	0.192	0.107	0.98	0.68
		Left side	0.085	0.266				0.35	0.35
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.314	0.051	0.425	0.287	0.128	0.92	0.78
		Bottom side						0.00	0.00
LTE All Bands Ant 3	FR1 All Bands Ant 6	Front	0.131	0.084	0.485	0.150	0.099	0.80	0.46
		Back	0.200	0.199	0.495	0.192	0.107	1.00	0.70
		Left side	0.085	0.136				0.22	0.22
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.314	0.182	0.425	0.287	0.128	1.05	0.91
		Bottom side						0.00	0.00
LTE All Bands Ant 3	FR1 All Bands Ant 7	Front	0.131	0.076	0.485	0.150	0.099	0.79	0.46
		Back	0.200	0.108	0.495	0.192	0.107	0.91	0.61
		Left side	0.085					0.09	0.09
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.314	0.208	0.425	0.287	0.128	1.08	0.94
		Bottom side						0.00	0.00
LTE All Bands Ant 3	FR1 All Bands Ant 8	Front	0.131	0.115	0.485	0.150	0.099	0.83	0.50
		Back	0.200	0.131	0.495	0.192	0.107	0.93	0.63
		Left side	0.085					0.09	0.09
		Right side		0.250	0.550	0.208	0.065	0.87	0.52
		Top side	0.314		0.425	0.287	0.128	0.87	0.73
		Bottom side						0.00	0.00



WWAN Band	FR1 Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 All Bands Ant 4	FR1 All Bands Ant 0	Front	0.306	0.353	0.485	0.150	0.099	1.24	0.91
		Back	0.460	0.420	0.495	0.192	0.107	1.48	1.18
		Left side	0.114					0.11	0.11
		Right side	0.073	0.296	0.550	0.208	0.065	0.98	0.64
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.553	0.291				0.84	0.84
LTE All Bands Ant 4	FR1 All Bands Ant 1	Front	0.306	0.197	0.485	0.150	0.099	1.09	0.75
		Back	0.460	0.237	0.495	0.192	0.107	1.30	1.00
		Left side	0.114	0.533				0.65	0.65
		Right side	0.073		0.550	0.208	0.065	0.69	0.35
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 2	Front	0.306	0.183	0.485	0.150	0.099	1.07	0.74
		Back	0.460	0.330	0.495	0.192	0.107	1.39	1.09
		Left side	0.114					0.11	0.11
		Right side	0.073	0.516	0.550	0.208	0.065	1.20	0.86
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 3	Front	0.306	0.122	0.485	0.150	0.099	1.01	0.68
		Back	0.460	0.198	0.495	0.192	0.107	1.26	0.96
		Left side	0.114	0.098				0.21	0.21
		Right side	0.073		0.550	0.208	0.065	0.69	0.35
		Top side		0.277	0.425	0.287	0.128	0.83	0.69
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 5	Front	0.306	0.122	0.485	0.150	0.099	1.01	0.68
		Back	0.460	0.178	0.495	0.192	0.107	1.24	0.94
		Left side	0.114	0.266				0.38	0.38
		Right side	0.073		0.550	0.208	0.065	0.69	0.35
		Top side		0.051	0.425	0.287	0.128	0.60	0.47
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 6	Front	0.306	0.084	0.485	0.150	0.099	0.97	0.64
		Back	0.460	0.199	0.495	0.192	0.107	1.26	0.96
		Left side	0.114	0.136				0.25	0.25
		Right side	0.073		0.550	0.208	0.065	0.69	0.35
		Top side		0.182	0.425	0.287	0.128	0.74	0.60
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 7	Front	0.306	0.076	0.485	0.150	0.099	0.97	0.63
		Back	0.460	0.108	0.495	0.192	0.107	1.17	0.87
		Left side	0.114					0.11	0.11
		Right side	0.073		0.550	0.208	0.065	0.69	0.35
		Top side		0.208	0.425	0.287	0.128	0.76	0.62
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 4	FR1 All Bands Ant 8	Front	0.306	0.115	0.485	0.150	0.099	1.01	0.67
		Back	0.460	0.131	0.495	0.192	0.107	1.19	0.89
		Left side	0.114					0.11	0.11
		Right side	0.073	0.250	0.550	0.208	0.065	0.94	0.60
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.553					0.55	0.55
LTE All Bands Ant 5	FR1 All Bands Ant 0	Front	0.131	0.353	0.485	0.150	0.099	1.07	0.73
		Back	0.198	0.420	0.495	0.192	0.107	1.22	0.92
		Left side	0.282					0.28	0.28



		Right side		0.296	0.550	0.208	0.065	0.91	0.57
		Top side	0.053		0.425	0.287	0.128	0.61	0.47
		Bottom side		0.291				0.29	0.29
LTE All Bands Ant 5	FR1 All Bands Ant 1	Front	0.131	0.197	0.485	0.150	0.099	0.91	0.58
		Back	0.198	0.237	0.495	0.192	0.107	1.04	0.73
		Left side	0.282	0.533				0.82	0.82
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.053		0.425	0.287	0.128	0.61	0.47
		Bottom side						0.00	0.00
LTE All Bands Ant 5	FR1 All Bands Ant 2	Front	0.131	0.183	0.485	0.150	0.099	0.90	0.56
		Back	0.198	0.330	0.495	0.192	0.107	1.13	0.83
		Left side	0.282					0.28	0.28
		Right side		0.516	0.550	0.208	0.065	1.13	0.79
		Top side	0.053		0.425	0.287	0.128	0.61	0.47
		Bottom side						0.00	0.00
LTE All Bands Ant 5	FR1 All Bands Ant 3	Front	0.131	0.122	0.485	0.150	0.099	0.84	0.50
		Back	0.198	0.198	0.495	0.192	0.107	1.00	0.70
		Left side	0.282	0.098				0.38	0.38
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.053	0.277	0.425	0.287	0.128	0.88	0.75
		Bottom side						0.00	0.00
LTE All Bands Ant 5	FR1 All Bands Ant 4	Front	0.131	0.328	0.485	0.150	0.099	1.04	0.71
		Back	0.198	0.477	0.495	0.192	0.107	1.28	0.97
		Left side	0.282	0.147				0.43	0.43
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.053		0.425	0.287	0.128	0.61	0.47
		Bottom side		0.617				0.62	0.62
LTE All Bands Ant 5	FR1 All Bands Ant 6	Front	0.131	0.084	0.485	0.150	0.099	0.80	0.46
		Back	0.198	0.199	0.495	0.192	0.107	1.00	0.70
		Left side	0.282	0.136				0.42	0.42
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.053	0.182	0.425	0.287	0.128	0.79	0.65
		Bottom side						0.00	0.00
LTE All Bands Ant 5	FR1 All Bands Ant 7	Front	0.131	0.076	0.485	0.150	0.099	0.79	0.46
		Back	0.198	0.108	0.495	0.192	0.107	0.91	0.61
		Left side	0.282					0.28	0.28
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.053	0.208	0.425	0.287	0.128	0.81	0.68
		Bottom side						0.00	0.00
LTE All Bands Ant 5	FR1 All Bands Ant 8	Front	0.131	0.115	0.485	0.150	0.099	0.83	0.50
		Back	0.198	0.131	0.495	0.192	0.107	0.93	0.63
		Left side	0.282					0.28	0.28
		Right side		0.250	0.550	0.208	0.065	0.87	0.52
		Top side	0.053		0.425	0.287	0.128	0.61	0.47
		Bottom side						0.00	0.00



<Inter CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	WWAN	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 2 Ant 2	LTE Band 4 Ant 3	Front		0.127	0.485	0.150	0.099	0.71	0.38
		Back		0.165	0.495	0.192	0.107	0.77	0.46
		Left side		0.050				0.05	0.05
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side		0.279	0.425	0.287	0.128	0.83	0.69
		Bottom side						0.00	0.00
LTE Band 2 Ant 2	LTE Band 4 Ant 4	Front		0.254	0.485	0.150	0.099	0.84	0.50
		Back		0.342	0.495	0.192	0.107	0.94	0.64
		Left side		0.094				0.09	0.09
		Right side		0.091	0.550	0.208	0.065	0.71	0.36
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side		0.541				0.54	0.54
LTE Band 2 Ant 5	LTE Band 4 Ant 3	Front	0.063	0.127	0.485	0.150	0.099	0.77	0.44
		Back	0.085	0.165	0.495	0.192	0.107	0.85	0.55
		Left side	0.141	0.050				0.19	0.19
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.014	0.279	0.425	0.287	0.128	0.85	0.71
		Bottom side						0.00	0.00
LTE Band 2 Ant 5	LTE Band 4 Ant 4	Front	0.063	0.254	0.485	0.150	0.099	0.90	0.57
		Back	0.085	0.342	0.495	0.192	0.107	1.03	0.73
		Left side	0.141	0.094				0.24	0.24
		Right side		0.091	0.550	0.208	0.065	0.71	0.36
		Top side	0.014		0.425	0.287	0.128	0.57	0.43
		Bottom side		0.541				0.54	0.54
LTE Band 4 Ant 3	LTE Band 7 Ant 2	Front	0.127	0.115	0.485	0.150	0.099	0.83	0.49
		Back	0.165	0.189	0.495	0.192	0.107	0.96	0.65
		Left side	0.050					0.05	0.05
		Right side		0.336	0.550	0.208	0.065	0.95	0.61
		Top side	0.279		0.425	0.287	0.128	0.83	0.69
		Bottom side						0.00	0.00
LTE Band 4 Ant 3	LTE Band 7 Ant 5	Front	0.127	0.113	0.485	0.150	0.099	0.82	0.49
		Back	0.165	0.172	0.495	0.192	0.107	0.94	0.64
		Left side	0.050	0.222				0.27	0.27
		Right side			0.550	0.208	0.065	0.62	0.27
		Top side	0.279		0.425	0.287	0.128	0.83	0.69
		Bottom side						0.00	0.00
LTE Band 4 Ant 4	LTE Band 7 Ant 2	Front	0.254	0.115	0.485	0.150	0.099	0.95	0.62
		Back	0.342	0.189	0.495	0.192	0.107	1.13	0.83
		Left side	0.094					0.09	0.09
		Right side	0.091	0.336	0.550	0.208	0.065	1.04	0.70
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.541					0.54	0.54
LTE Band 4 Ant 4	LTE Band 7 Ant 5	Front	0.254	0.113	0.485	0.150	0.099	0.95	0.62
		Back	0.342	0.172	0.495	0.192	0.107	1.12	0.81
		Left side	0.094	0.222				0.32	0.32
		Right side	0.091		0.550	0.208	0.065	0.71	0.36
		Top side			0.425	0.287	0.128	0.55	0.42
		Bottom side	0.541					0.54	0.54



16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	3	10	17	1+3+17	1+10+17
		WWAN	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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)
All Bands	Front	0.509	0.186	0.236	0.059	0.75	0.80
	Back	0.853	0.216	0.246	0.062	1.13	1.16

<EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 All Bands Ant 0	FR1 All Bands Ant 1	Front	0.238	0.251	0.186	0.236	0.059	0.73	0.78
		Back	0.268	0.354	0.216	0.246	0.062	0.90	0.93
LTE All Bands Ant 0	FR1 All Bands Ant 2	Front	0.238	0.092	0.186	0.236	0.059	0.58	0.63
		Back	0.268	0.167	0.216	0.246	0.062	0.71	0.74
LTE All Bands Ant 0	FR1 All Bands Ant 3	Front	0.238	0.351	0.186	0.236	0.059	0.83	0.88
		Back	0.268	0.587	0.216	0.246	0.062	1.13	1.16
LTE All Bands Ant 0	FR1 All Bands Ant 4	Front	0.238	0.431	0.186	0.236	0.059	0.91	0.96
		Back	0.268	0.566	0.216	0.246	0.062	1.11	1.14
LTE All Bands Ant 0	FR1 All Bands Ant 5	Front	0.238	0.157	0.186	0.236	0.059	0.64	0.69
		Back	0.268	0.237	0.216	0.246	0.062	0.78	0.81
LTE All Bands Ant 0	FR1 All Bands Ant 6	Front	0.238	0.087	0.186	0.236	0.059	0.57	0.62
		Back	0.268	0.206	0.216	0.246	0.062	0.75	0.78
LTE All Bands Ant 0	FR1 All Bands Ant 7	Front	0.238	0.325	0.186	0.236	0.059	0.81	0.86
		Back	0.268	0.525	0.216	0.246	0.062	1.07	1.10
LTE All Bands Ant 0	FR1 All Bands Ant 8	Front	0.238	0.074	0.186	0.236	0.059	0.56	0.61
		Back	0.268	0.090	0.216	0.246	0.062	0.64	0.67
LTE All Bands Ant 1	FR1 All Bands Ant 0	Front	0.285	0.228	0.186	0.236	0.059	0.76	0.81
		Back	0.331	0.287	0.216	0.246	0.062	0.90	0.93
LTE All Bands Ant 1	FR1 All Bands Ant 1	Front	0.285	0.251	0.186	0.236	0.059	0.78	0.83
		Back	0.331	0.354	0.216	0.246	0.062	0.96	0.99
LTE All Bands Ant 1	FR1 All Bands Ant 2	Front	0.285	0.092	0.186	0.236	0.059	0.62	0.67
		Back	0.331	0.167	0.216	0.246	0.062	0.78	0.81
LTE All Bands Ant 1	FR1 All Bands Ant 3	Front	0.285	0.351	0.186	0.236	0.059	0.88	0.93
		Back	0.331	0.587	0.216	0.246	0.062	1.20	1.23
LTE All Bands Ant 1	FR1 All Bands Ant 4	Front	0.285	0.431	0.186	0.236	0.059	0.96	1.01
		Back	0.331	0.566	0.216	0.246	0.062	1.18	1.21
LTE All Bands Ant 1	FR1 All Bands Ant 5	Front	0.285	0.157	0.186	0.236	0.059	0.69	0.74
		Back	0.331	0.237	0.216	0.246	0.062	0.85	0.88
LTE All Bands Ant 1	FR1 All Bands Ant 6	Front	0.285	0.087	0.186	0.236	0.059	0.62	0.67
		Back	0.331	0.206	0.216	0.246	0.062	0.82	0.85
LTE All Bands Ant 1	FR1 All Bands Ant 7	Front	0.285	0.325	0.186	0.236	0.059	0.86	0.91
		Back	0.331	0.525	0.216	0.246	0.062	1.13	1.16
LTE All Bands Ant 1	FR1 All Bands Ant 8	Front	0.285	0.074	0.186	0.236	0.059	0.60	0.65
		Back	0.331	0.090	0.216	0.246	0.062	0.70	0.73
LTE All Bands Ant 2	FR1 All Bands Ant 0	Front	0.070	0.228	0.186	0.236	0.059	0.54	0.59
		Back	0.137	0.287	0.216	0.246	0.062	0.70	0.73
LTE All Bands Ant 2	FR1 All Bands Ant 1	Front	0.070	0.251	0.186	0.236	0.059	0.57	0.62
		Back	0.137	0.354	0.216	0.246	0.062	0.77	0.80
LTE All Bands Ant 2	FR1 All Bands Ant 3	Front	0.070	0.351	0.186	0.236	0.059	0.67	0.72
		Back	0.137	0.587	0.216	0.246	0.062	1.00	1.03
LTE All Bands Ant 2	FR1 All Bands Ant 4	Front	0.070	0.431	0.186	0.236	0.059	0.75	0.80
		Back	0.137	0.566	0.216	0.246	0.062	0.98	1.01



LTE All Bands Ant 2	FR1 All Bands Ant 5	Front	0.070	0.157	0.186	0.236	0.059	0.47	0.52
		Back	0.137	0.237	0.216	0.246	0.062	0.65	0.68
LTE All Bands Ant 2	FR1 All Bands Ant 6	Front	0.070	0.087	0.186	0.236	0.059	0.40	0.45
		Back	0.137	0.206	0.216	0.246	0.062	0.62	0.65
LTE All Bands Ant 2	FR1 All Bands Ant 7	Front	0.070	0.325	0.186	0.236	0.059	0.64	0.69
		Back	0.137	0.525	0.216	0.246	0.062	0.94	0.97
LTE All Bands Ant 2	FR1 All Bands Ant 8	Front	0.070	0.074	0.186	0.236	0.059	0.39	0.44
		Back	0.137	0.090	0.216	0.246	0.062	0.51	0.54
LTE All Bands Ant 3	FR1 All Bands Ant 0	Front	0.381	0.228	0.186	0.236	0.059	0.85	0.90
		Back	0.502	0.287	0.216	0.246	0.062	1.07	1.10
LTE All Bands Ant 3	FR1 All Bands Ant 1	Front	0.381	0.251	0.186	0.236	0.059	0.88	0.93
		Back	0.502	0.354	0.216	0.246	0.062	1.13	1.16
LTE All Bands Ant 3	FR1 All Bands Ant 2	Front	0.381	0.092	0.186	0.236	0.059	0.72	0.77
		Back	0.502	0.167	0.216	0.246	0.062	0.95	0.98
LTE All Bands Ant 3	FR1 All Bands Ant 4	Front	0.381	0.431	0.186	0.236	0.059	1.06	1.11
		Back	0.502	0.566	0.216	0.246	0.062	1.35	1.38
LTE All Bands Ant 3	FR1 All Bands Ant 5	Front	0.381	0.157	0.186	0.236	0.059	0.78	0.83
		Back	0.502	0.237	0.216	0.246	0.062	1.02	1.05
LTE All Bands Ant 3	FR1 All Bands Ant 6	Front	0.381	0.087	0.186	0.236	0.059	0.71	0.76
		Back	0.502	0.206	0.216	0.246	0.062	0.99	1.02
LTE All Bands Ant 3	FR1 All Bands Ant 7	Front	0.381	0.325	0.186	0.236	0.059	0.95	1.00
		Back	0.502	0.525	0.216	0.246	0.062	1.31	1.34
LTE All Bands Ant 3	FR1 All Bands Ant 8	Front	0.381	0.074	0.186	0.236	0.059	0.70	0.75
		Back	0.502	0.090	0.216	0.246	0.062	0.87	0.90

WWAN Band	FR1 Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	FR1	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 All Bands Ant 4	FR1 All Bands Ant 0	Front	0.313	0.228	0.186	0.236	0.059	0.79	0.84
		Back	0.421	0.287	0.216	0.246	0.062	0.99	1.02
LTE All Bands Ant 4	FR1 All Bands Ant 1	Front	0.313	0.251	0.186	0.236	0.059	0.81	0.86
		Back	0.421	0.354	0.216	0.246	0.062	1.05	1.08
LTE All Bands Ant 4	FR1 All Bands Ant 2	Front	0.313	0.092	0.186	0.236	0.059	0.65	0.70
		Back	0.421	0.167	0.216	0.246	0.062	0.87	0.90
LTE All Bands Ant 4	FR1 All Bands Ant 3	Front	0.313	0.351	0.186	0.236	0.059	0.91	0.96
		Back	0.421	0.587	0.216	0.246	0.062	1.29	1.32
LTE All Bands Ant 4	FR1 All Bands Ant 5	Front	0.313	0.157	0.186	0.236	0.059	0.72	0.77
		Back	0.421	0.237	0.216	0.246	0.062	0.94	0.97
LTE All Bands Ant 4	FR1 All Bands Ant 6	Front	0.313	0.087	0.186	0.236	0.059	0.65	0.70
		Back	0.421	0.206	0.216	0.246	0.062	0.91	0.94
LTE All Bands Ant 4	FR1 All Bands Ant 7	Front	0.313	0.325	0.186	0.236	0.059	0.88	0.93
		Back	0.421	0.525	0.216	0.246	0.062	1.22	1.25
LTE All Bands Ant 4	FR1 All Bands Ant 8	Front	0.313	0.074	0.186	0.236	0.059	0.63	0.68
		Back	0.421	0.090	0.216	0.246	0.062	0.79	0.82
LTE All Bands Ant 5	FR1 All Bands Ant 0	Front	0.198	0.228	0.186	0.236	0.059	0.67	0.72
		Back	0.310	0.287	0.216	0.246	0.062	0.88	0.91
LTE All Bands Ant 5	FR1 All Bands Ant 1	Front	0.198	0.251	0.186	0.236	0.059	0.69	0.74
		Back	0.310	0.354	0.216	0.246	0.062	0.94	0.97
LTE All Bands Ant 5	FR1 All Bands Ant 2	Front	0.198	0.092	0.186	0.236	0.059	0.54	0.59
		Back	0.310	0.167	0.216	0.246	0.062	0.76	0.79
LTE All Bands Ant 5	FR1 All Bands Ant 3	Front	0.198	0.351	0.186	0.236	0.059	0.79	0.84
		Back	0.310	0.587	0.216	0.246	0.062	1.18	1.21
LTE All Bands Ant 5	FR1 All Bands Ant 4	Front	0.198	0.431	0.186	0.236	0.059	0.87	0.92
		Back	0.310	0.566	0.216	0.246	0.062	1.15	1.18
LTE All Bands	FR1 All Bands	Front	0.198	0.087	0.186	0.236	0.059	0.53	0.58



Ant 5	Ant 6	Back	0.310	0.206	0.216	0.246	0.062	0.79	0.82
LTE All Bands Ant 5	FR1 All Bands Ant 7	Front	0.198	0.325	0.186	0.236	0.059	0.77	0.82
		Back	0.310	0.525	0.216	0.246	0.062	1.11	1.14
LTE All Bands Ant 5	FR1 All Bands Ant 8	Front	0.198	0.074	0.186	0.236	0.059	0.52	0.57
		Back	0.310	0.090	0.216	0.246	0.062	0.68	0.71

<Inter CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	10	17	1+2+3+17	1+2+10+17
			WWAN	WWAN	WLAN2.4GHz Ant 9+8	WLAN5GHz Ant 10+11	Bluetooth Ant 9	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 2 Ant 2	LTE Band 4 Ant 3	Front		0.355	0.186	0.236	0.059	0.60	0.65
		Back		0.567	0.216	0.246	0.062	0.85	0.88
LTE Band 2 Ant 2	LTE Band 4 Ant 4	Front		0.215	0.186	0.236	0.059	0.46	0.51
		Back		0.245	0.216	0.246	0.062	0.52	0.55
LTE Band 2 Ant 5	LTE Band 4 Ant 3	Front	0.194	0.355	0.186	0.236	0.059	0.79	0.84
		Back	0.261	0.567	0.216	0.246	0.062	1.11	1.14
LTE Band 2 Ant 5	LTE Band 4 Ant 4	Front	0.194	0.215	0.186	0.236	0.059	0.65	0.70
		Back	0.261	0.245	0.216	0.246	0.062	0.78	0.81
LTE Band 4 Ant 3	LTE Band 7 Ant 2	Front	0.355	0.060	0.186	0.236	0.059	0.66	0.71
		Back	0.567	0.111	0.216	0.246	0.062	0.96	0.99
LTE Band 4 Ant 3	LTE Band 7 Ant 5	Front	0.355	0.135	0.186	0.236	0.059	0.74	0.79
		Back	0.567	0.213	0.216	0.246	0.062	1.06	1.09
LTE Band 4 Ant 4	LTE Band 7 Ant 2	Front	0.215	0.060	0.186	0.236	0.059	0.52	0.57
		Back	0.245	0.111	0.216	0.246	0.062	0.63	0.66
LTE Band 4 Ant 4	LTE Band 7 Ant 5	Front	0.215	0.135	0.186	0.236	0.059	0.60	0.65
		Back	0.245	0.213	0.216	0.246	0.062	0.74	0.77

16.4 Product specific 10g SAR Exposure Conditions

Remark:

- For WLAN2.4GHz/ Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	10	19	1+10+19
		WWAN	WLAN5GHz Ant 10+11	NFC	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
All Bands	Front		0.664		0.66
	Back	1.949	0.307	0.061	2.32
	Left side	2.318			2.32
	Right side		1.055		1.06
	Top side	2.545	1.378		3.92
	Bottom side	2.208			2.21

Sensor Off

WWAN Band	Exposure Position	1	10	1+10
		WWAN	WLAN5GHz Ant 10+11	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Ant 3	Back	1.820	0.307	2.13
	Top side	2.371	1.378	3.75
Ant 4	Back	1.339	0.307	1.34
	Bottom side	1.815		1.82
Ant 7	Top side	1.004	1.378	1.00

<EN-DC>

WWAN Band	FR1 Band	Exposure Position	1	2	10	19	1+2+10+19
			WWAN	FR1	WLAN5GHz Ant 10+11	NFC	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE All Band Ant 3	FR1 All Band Ant 0	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side					0.00
LTE All Band Ant 3	FR1 All Band Ant 1	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side		0.999			1.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side					0.00
LTE All Band Ant 3	FR1 All Band Ant 2	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side					0.00
LTE All Band Ant 3	FR1 All Band Ant 4	Front			0.664		0.66
		Back		1.949	0.307	0.061	2.32
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side		1.815			1.82
LTE All Band Ant 3	FR1 All Band Ant 5	Front			0.664		0.66



		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side					0.00
LTE All Band Ant 3	FR1 All Band Ant 6	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.277		1.378		2.66
LTE All Band Ant 3	FR1 All Band Ant 7	Bottom side					0.00
		Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
LTE All Band Ant 3	FR1 All Band Ant 8	Top side	1.277	1.047	1.378		3.70
		Bottom side					0.00
		Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
LTE All Band Ant 3	FR1 All Band Ant 0	Right side			1.055		1.06
		Top side	1.277		1.378		2.66
		Bottom side					0.00
		Front			0.664		0.66
		Back			0.307	0.061	0.37
LTE All Band Ant 4	FR1 All Band Ant 1	Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.882				1.88
		Front			0.664		0.66
LTE All Band Ant 4	FR1 All Band Ant 2	Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.882				1.88
LTE All Band Ant 4	FR1 All Band Ant 3	Front			0.664		0.66
		Back		0.872	0.307	0.061	1.24
		Left side					0.00
		Right side			1.055		1.06
		Top side		1.291	1.378		2.67
LTE All Band Ant 4	FR1 All Band Ant 5	Bottom side	1.882				1.88
		Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
LTE All Band Ant 4	FR1 All Band Ant 6	Top side			1.378		1.38
		Bottom side	1.882				1.88
		Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00



		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.882				1.88
LTE All Band Ant 4	FR1 All Band Ant 7	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side		1.047	1.378		2.43
		Bottom side	1.882				1.88
LTE All Band Ant 4	FR1 All Band Ant 8	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.882				1.88

<Inter CA>

WWAN Band	WWAN Band	Exposure Position	1	2	10	19	1+2+10+19
			WWAN	WWAN	WLAN5GHz Ant 10+11	NFC	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE Band 2 Ant 2	LTE Band 4 Ant 3	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side		1.991	1.378		3.37
		Bottom side					0.00
LTE Band 2 Ant 2	LTE Band 4 Ant 4	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side		1.830			1.83
LTE Band 2 Ant 5	LTE Band 4 Ant 3	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side		1.991	1.378		3.37
		Bottom side					0.00
LTE Band 2 Ant 5	LTE Band 4 Ant 4	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side		1.830			1.83
LTE Band 4 Ant 3	LTE Band 7 Ant 2	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.991		1.378		3.37
		Bottom side					0.00
LTE Band 4 Ant 3	LTE Band 7 Ant 5	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side	1.991		1.378		3.37
		Bottom side					0.00



		Bottom side					0.00
LTE Band 4 Ant 4	LTE Band 7 Ant 2	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.830				
LTE Band 4 Ant 4	LTE Band 7 Ant 5	Front			0.664		0.66
		Back			0.307	0.061	0.37
		Left side					0.00
		Right side			1.055		1.06
		Top side			1.378		1.38
		Bottom side	1.830				

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



17. Uncertainty Assessment

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

18. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, “SAR Measurement Requirements for 100 MHz to 6 GHz”, Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [11] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [12] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [13] FCC KDB 941225 D06 v02r01, “SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities”, Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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