


7.6.4 Antenna 2b – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	0.70	1 / 12	22.03	22.73	0.187	23.98	-1.25
		2310.0	0.70	1 / 12	21.90	22.60	0.182	23.98	-1.38
		2312.5	0.70	1 / 12	22.20	22.90	0.195	23.98	-1.08
	16-QAM	2312.5	0.70	1 / 12	21.34	22.04	0.160	23.98	-1.94
	64-QAM	2310.0	0.70	1 / 12	20.52	21.22	0.132	23.98	-2.76
	256-QAM	2312.5	0.70	1 / 12	17.36	18.06	0.064	23.98	-5.92
10 MHz	QPSK	2310.0	0.70	1 / 25	22.20	22.90	0.195	23.98	-1.08
	16-QAM	2310.0	0.70	1 / 25	21.56	22.26	0.168	23.98	-1.72
	64-QAM	2310.0	0.70	1 / 25	20.66	21.36	0.137	23.98	-2.62
	256-QAM	2310.0	0.70	1 / 25	17.60	18.30	0.068	23.98	-5.68


Table 7-36. Antenna 2b EIRP Data (LTE Band 30)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	0.00	1 / 12	22.16	22.16	0.164	33.01	-10.85
		2535.0	0.00	1 / 12	22.02	22.02	0.159	33.01	-10.99
		2567.5	0.00	1 / 12	22.20	22.20	0.166	33.01	-10.81
	16-QAM	2535.0	0.00	1 / 12	21.43	21.43	0.139	33.01	-11.58
	64-QAM	2502.5	0.00	1 / 12	20.44	20.44	0.111	33.01	-12.57
	256-QAM	2567.5	0.00	1 / 24	17.61	17.61	0.058	33.01	-15.40
10 MHz	QPSK	2505.0	0.00	1 / 25	22.20	22.20	0.166	33.01	-10.81
		2535.0	0.00	1 / 25	22.02	22.02	0.159	33.01	-10.99
		2565.0	0.00	1 / 25	22.06	22.06	0.161	33.01	-10.95
	16-QAM	2565.0	0.00	1 / 25	21.44	21.44	0.139	33.01	-11.57
	64-QAM	2565.0	0.00	1 / 49	20.69	20.69	0.117	33.01	-12.32
	256-QAM	2505.0	0.00	1 / 25	17.34	17.34	0.054	33.01	-15.67
15 MHz	QPSK	2507.5	0.00	1 / 37	22.20	22.20	0.166	33.01	-10.81
		2535.0	0.00	1 / 74	22.15	22.15	0.164	33.01	-10.86
		2562.5	0.00	1 / 74	22.03	22.03	0.160	33.01	-10.98
	16-QAM	2562.5	0.00	1 / 37	21.55	21.55	0.143	33.01	-11.46
	64-QAM	2562.5	0.00	1 / 74	20.33	20.33	0.108	33.01	-12.68
	256-QAM	2535.0	0.00	1 / 37	17.56	17.56	0.057	33.01	-15.45
20 MHz	QPSK	2510.0	0.00	1 / 99	22.05	22.05	0.160	33.01	-10.96
		2535.0	0.00	1 / 99	22.16	22.16	0.164	33.01	-10.85
		2560.0	0.00	1 / 99	22.20	22.20	0.166	33.01	-10.81
	16-QAM	2535.0	0.00	1 / 50	21.58	21.58	0.144	33.01	-11.43
	64-QAM	2560.0	0.00	1 / 50	20.54	20.54	0.113	33.01	-12.47
	256-QAM	2535.0	0.00	1 / 50	17.39	17.39	0.055	33.01	-15.62


Table 7-37. Antenna 2b EIRP Data (LTE Band 7)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.30	1 / 24	27.82	27.52	0.565	33.01	-5.49
		2593.0	-0.30	1 / 24	28.05	27.75	0.596	33.01	-5.26
		2687.5	-0.30	1 / 12	28.20	27.90	0.617	33.01	-5.11
	16-QAM	2498.5	-0.30	1 / 24	27.13	26.83	0.482	33.01	-6.18
	64-QAM	2593.0	-0.30	1 / 0	26.19	25.89	0.388	33.01	-7.12
	256-QAM	2593.0	-0.30	1 / 0	23.18	22.88	0.194	33.01	-10.13
10 MHz	QPSK	2501.0	-0.30	1 / 0	28.20	27.90	0.617	33.01	-5.11
		2593.0	-0.30	1 / 0	27.92	27.62	0.578	33.01	-5.39
		2685.0	-0.30	1 / 0	27.94	27.64	0.581	33.01	-5.37
	16-QAM	2593.0	-0.30	1 / 25	27.11	26.81	0.480	33.01	-6.20
	64-QAM	2501.0	-0.30	1 / 49	26.19	25.89	0.388	33.01	-7.12
	256-QAM	2593.0	-0.30	1 / 0	23.26	22.96	0.198	33.01	-10.05
15 MHz	QPSK	2503.5	-0.30	1 / 74	27.83	27.53	0.566	33.01	-5.48
		2593.0	-0.30	1 / 37	27.77	27.47	0.558	33.01	-5.54
		2682.5	-0.30	1 / 74	28.18	27.88	0.614	33.01	-5.13
	16-QAM	2593.0	-0.30	1 / 0	27.10	26.80	0.479	33.01	-6.21
	64-QAM	2503.5	-0.30	1 / 74	26.03	25.73	0.374	33.01	-7.28
	256-QAM	2503.5	-0.30	1 / 37	23.36	23.06	0.202	33.01	-9.95
20 MHz	QPSK	2506.0	-0.30	1 / 0	27.97	27.67	0.585	33.01	-5.34
		2593.0	-0.30	1 / 0	28.20	27.90	0.617	33.01	-5.11
		2680.0	-0.30	1 / 0	27.62	27.32	0.540	33.01	-5.69
	16-QAM	2593.0	-0.30	1 / 99	27.21	26.91	0.491	33.01	-6.10
	64-QAM	2680.0	-0.30	1 / 0	26.21	25.91	0.390	33.01	-7.10
	256-QAM	2506.0	-0.30	1 / 99	23.20	22.90	0.195	33.01	-10.11


Table 7-38. Antenna 2b EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.30	1 / 24	25.32	25.02	0.318	33.01	-7.99
		2593.0	-0.30	1 / 24	25.55	25.25	0.335	33.01	-7.76
		2687.5	-0.30	1 / 12	25.70	25.40	0.347	33.01	-7.61
	16-QAM	2498.5	-0.30	1 / 24	24.63	24.33	0.271	33.01	-8.68
	64-QAM	2593.0	-0.30	1 / 0	23.69	23.39	0.218	33.01	-9.62
	256-QAM	2593.0	-0.30	1 / 0	20.68	20.38	0.109	33.01	-12.63
10 MHz	QPSK	2501.0	-0.30	1 / 0	25.70	25.40	0.347	33.01	-7.61
		2593.0	-0.30	1 / 0	25.42	25.12	0.325	33.01	-7.89
		2685.0	-0.30	1 / 0	25.44	25.14	0.327	33.01	-7.87
	16-QAM	2593.0	-0.30	1 / 25	24.61	24.31	0.270	33.01	-8.70
	64-QAM	2501.0	-0.30	1 / 49	23.69	23.39	0.218	33.01	-9.62
	256-QAM	2593.0	-0.30	1 / 0	20.76	20.46	0.111	33.01	-12.55
15 MHz	QPSK	2503.5	-0.30	1 / 74	25.33	25.03	0.318	33.01	-7.98
		2593.0	-0.30	1 / 37	25.27	24.97	0.314	33.01	-8.04
		2682.5	-0.30	1 / 74	25.68	25.38	0.345	33.01	-7.63
	16-QAM	2593.0	-0.30	1 / 0	24.60	24.30	0.269	33.01	-8.71
	64-QAM	2503.5	-0.30	1 / 74	23.53	23.23	0.210	33.01	-9.78
	256-QAM	2503.5	-0.30	1 / 37	20.86	20.56	0.114	33.01	-12.45
20 MHz	QPSK	2506.0	-0.30	1 / 0	25.47	25.17	0.329	33.01	-7.84
		2593.0	-0.30	1 / 0	25.70	25.40	0.347	33.01	-7.61
		2680.0	-0.30	1 / 0	25.12	24.82	0.303	33.01	-8.19
	16-QAM	2593.0	-0.30	1 / 99	24.71	24.41	0.276	33.01	-8.60
	64-QAM	2680.0	-0.30	1 / 0	23.71	23.41	0.219	33.01	-9.60
	256-QAM	2506.0	-0.30	1 / 99	20.70	20.40	0.110	33.01	-12.61


Table 7-39. Antenna 2b EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	0.70	1 / 12	22.04	22.74	0.188	23.98	-1.24
		2310.0	0.70	1 / 23	22.00	22.70	0.186	23.98	-1.28
		2312.5	0.70	1 / 23	21.97	22.67	0.185	23.98	-1.31
	QPSK	2307.5	0.70	1 / 12	22.20	22.90	0.195	23.98	-1.08
		2310.0	0.70	1 / 23	21.99	22.69	0.186	23.98	-1.29
		2312.5	0.70	1 / 1	22.14	22.84	0.192	23.98	-1.14
	16-QAM	2312.5	0.70	1 / 12	21.17	21.87	0.154	23.98	-2.11
64-QAM	2312.5	0.70	1 / 1	19.70	20.40	0.110	23.98	-3.58	
256-QAM	2307.5	0.70	1 / 12	17.83	18.53	0.071	23.98	-5.45	
10 MHz	π/2 BPSK	2310.0	0.70	1 / 1	22.20	22.90	0.195	23.98	-1.08
	QPSK	2310.0	0.70	1 / 1	22.02	22.72	0.187	23.98	-1.26
	16-QAM	2310.0	0.70	1 / 25	21.17	21.87	0.154	23.98	-2.11
	64-QAM	2310.0	0.70	1 / 50	19.72	20.42	0.110	23.98	-3.56
	256-QAM	2310.0	0.70	1 / 1	17.26	17.96	0.063	23.98	-6.02

Table 7-40. Antenna 2b EIRP Data (NR Band n30)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	0.00	1 / 12	21.96	21.96	0.157	33.01	-11.05
		2535.0	0.00	1 / 1	21.60	21.60	0.145	33.01	-11.41
		2567.5	0.00	1 / 23	21.91	21.91	0.155	33.01	-11.10
	QPSK	2502.5	0.00	1 / 23	22.20	22.20	0.166	33.01	-10.81
		2535.0	0.00	1 / 23	21.67	21.67	0.147	33.01	-11.34
		2567.5	0.00	1 / 23	21.81	21.81	0.152	33.01	-11.20
16-QAM	2502.5	0.00	1 / 12	20.95	20.95	0.124	33.01	-12.06	
64-QAM	2567.5	0.00	1 / 23	19.51	19.51	0.089	33.01	-13.50	
256-QAM	2502.5	0.00	1 / 23	17.45	17.45	0.056	33.01	-15.56	
10 MHz	π/2 BPSK	2505.0	0.00	1 / 50	22.16	22.16	0.165	33.01	-10.85
		2535.0	0.00	1 / 1	22.20	22.20	0.166	33.01	-10.81
		2565.0	0.00	1 / 50	22.07	22.07	0.161	33.01	-10.94
	QPSK	2505.0	0.00	1 / 1	22.10	22.10	0.162	33.01	-10.91
		2535.0	0.00	1 / 1	21.80	21.80	0.151	33.01	-11.21
		2565.0	0.00	1 / 25	21.96	21.96	0.157	33.01	-11.05
16-QAM	2505.0	0.00	1 / 50	21.31	21.31	0.135	33.01	-11.70	
64-QAM	2535.0	0.00	1 / 25	20.17	20.17	0.104	33.01	-12.84	
256-QAM	2565.0	0.00	1 / 50	17.69	17.69	0.059	33.01	-15.32	
15 MHz	π/2 BPSK	2507.5	0.00	1 / 73	22.03	22.03	0.160	33.01	-10.98
		2535.0	0.00	1 / 1	22.00	22.00	0.159	33.01	-11.01
		2562.5	0.00	1 / 37	21.80	21.80	0.151	33.01	-11.21
	QPSK	2507.5	0.00	1 / 37	22.20	22.20	0.166	33.01	-10.81
		2535.0	0.00	1 / 1	22.01	22.01	0.159	33.01	-11.00
		2562.5	0.00	1 / 73	22.11	22.11	0.162	33.01	-10.90
16-QAM	2507.5	0.00	1 / 37	21.45	21.45	0.140	33.01	-11.56	
64-QAM	2535.0	0.00	1 / 73	19.71	19.71	0.093	33.01	-13.30	
256-QAM	2562.5	0.00	1 / 1	17.76	17.76	0.060	33.01	-15.25	
20 MHz	π/2 BPSK	2510.0	0.00	1 / 1	22.07	22.07	0.161	33.01	-10.94
		2535.0	0.00	1 / 98	22.05	22.05	0.160	33.01	-10.96
		2560.0	0.00	1 / 50	22.07	22.07	0.161	33.01	-10.94
	QPSK	2510.0	0.00	1 / 1	22.20	22.20	0.166	33.01	-10.81
		2535.0	0.00	1 / 1	22.09	22.09	0.162	33.01	-10.92
		2560.0	0.00	1 / 1	21.94	21.94	0.156	33.01	-11.07
16-QAM	2535.0	0.00	1 / 1	21.39	21.39	0.138	33.01	-11.62	
64-QAM	2560.0	0.00	1 / 98	20.25	20.25	0.106	33.01	-12.76	
256-QAM	2535.0	0.00	1 / 1	17.84	17.84	0.061	33.01	-15.17	
25 MHz	π/2 BPSK	2512.5	0.00	1 / 1	22.18	22.18	0.165	33.01	-10.83
		2535.0	0.00	1 / 1	21.89	21.89	0.155	33.01	-11.12
		2557.5	0.00	1 / 66	21.83	21.83	0.152	33.01	-11.18
	QPSK	2512.5	0.00	1 / 66	22.14	22.14	0.164	33.01	-10.87
		2535.0	0.00	1 / 1	22.20	22.20	0.166	33.01	-10.81
		2557.5	0.00	1 / 1	22.05	22.05	0.160	33.01	-10.96
16-QAM	2557.5	0.00	1 / 1	21.57	21.57	0.143	33.01	-11.44	
64-QAM	2557.5	0.00	1 / 66	20.13	20.13	0.103	33.01	-12.88	
256-QAM	2512.5	0.00	1 / 1	17.94	17.94	0.062	33.01	-15.07	
30 MHz	π/2 BPSK	2515.0	0.00	1 / 1	22.05	22.05	0.160	33.01	-10.96
		2535.0	0.00	1 / 80	21.94	21.94	0.156	33.01	-11.07
		2555.0	0.00	1 / 1	21.99	21.99	0.158	33.01	-11.02
	QPSK	2515.0	0.00	1 / 158	22.02	22.02	0.159	33.01	-10.99
		2535.0	0.00	1 / 1	21.66	21.66	0.147	33.01	-11.35
		2555.0	0.00	1 / 1	22.20	22.20	0.166	33.01	-10.81
16-QAM	2515.0	0.00	1 / 1	21.52	21.52	0.142	33.01	-11.49	
64-QAM	2555.0	0.00	1 / 80	19.78	19.78	0.095	33.01	-13.23	
256-QAM	2515.0	0.00	1 / 1	17.62	17.62	0.058	33.01	-15.39	
40 MHz	π/2 BPSK	2520.0	0.00	1 / 108	21.95	21.95	0.157	33.01	-11.06
		2535.0	0.00	1 / 1	22.11	22.11	0.163	33.01	-10.90
		2550.0	0.00	1 / 108	21.98	21.98	0.158	33.01	-11.03
	QPSK	2520.0	0.00	1 / 214	21.96	21.96	0.157	33.01	-11.05
		2535.0	0.00	1 / 214	22.17	22.17	0.165	33.01	-10.84
		2550.0	0.00	1 / 1	22.10	22.10	0.162	33.01	-10.91
16-QAM	2520.0	0.00	1 / 1	21.24	21.24	0.133	33.01	-11.77	
64-QAM	2520.0	0.00	1 / 1	19.85	19.85	0.097	33.01	-13.16	
256-QAM	2520.0	0.00	1 / 108	17.67	17.67	0.059	33.01	-15.34	

Table 7-41. Antenna 2b EIRP Data (NR Band n7)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
20 MHz	π/2 BPSK	2506.0	-0.30	1 / 1	27.57	27.27	0.533	33.01	-5.74	
		2593.0	-0.30	1 / 25	27.97	27.67	0.585	33.01	-5.34	
		2680.0	-0.30	1 / 1	27.96	27.66	0.583	33.01	-5.35	
	QPSK	2506.0	-0.30	1 / 49	28.20	27.90	0.617	33.01	-5.11	
		2593.0	-0.30	1 / 1	27.89	27.59	0.574	33.01	-5.42	
		2680.0	-0.30	1 / 1	27.81	27.51	0.564	33.01	-5.50	
		16-QAM	2506.0	-0.30	1 / 25	27.80	27.50	0.562	33.01	-5.51
		64-QAM	2680.0	-0.30	1 / 1	27.63	27.33	0.541	33.01	-5.68
		256-QAM	2506.0	-0.30	1 / 1	28.19	27.89	0.615	33.01	-5.12
30 MHz	π/2 BPSK	2511.0	-0.30	1 / 39	27.67	27.37	0.546	33.01	-5.64	
		2593.0	-0.30	1 / 76	28.20	27.90	0.617	33.01	-5.11	
		2675.0	-0.30	1 / 39	27.77	27.47	0.558	33.01	-5.54	
	QPSK	2511.0	-0.30	1 / 1	25.51	25.21	0.332	33.01	-7.80	
		2593.0	-0.30	1 / 39	27.75	27.45	0.556	33.01	-5.56	
		2675.0	-0.30	1 / 1	27.41	27.11	0.514	33.01	-5.90	
		16-QAM	2593.0	-0.30	1 / 1	27.42	27.12	0.516	33.01	-5.89
		64-QAM	2511.0	-0.30	1 / 39	28.05	27.75	0.596	33.01	-5.26
		256-QAM	2511.0	-0.30	1 / 1	25.91	25.61	0.364	33.01	-7.40
40 MHz	π/2 BPSK	2516.0	-0.30	1 / 104	25.86	25.56	0.360	33.01	-7.45	
		2593.0	-0.30	1 / 104	28.06	27.76	0.597	33.01	-5.25	
		2670.0	-0.30	1 / 1	27.73	27.43	0.553	33.01	-5.58	
	QPSK	2516.0	-0.30	1 / 53	23.32	23.02	0.201	33.01	-9.99	
		2593.0	-0.30	1 / 1	28.13	27.83	0.607	33.01	-5.18	
		2670.0	-0.30	1 / 53	27.89	27.59	0.575	33.01	-5.42	
		16-QAM	2516.0	-0.30	1 / 1	27.15	26.85	0.484	33.01	-6.16
		64-QAM	2516.0	-0.30	100 / 0	27.53	27.23	0.528	33.01	-5.78
		256-QAM	2516.0	-0.30	1 / 53	25.96	25.66	0.368	33.01	-7.35
50 MHz	π/2 BPSK	2521.0	-0.30	1 / 1	27.57	27.27	0.534	33.01	-5.74	
		2593.0	-0.30	1 / 66	27.94	27.64	0.581	33.01	-5.37	
		2665.0	-0.30	1 / 1	27.11	26.81	0.479	33.01	-6.20	
	QPSK	2521.0	-0.30	128 / 0	28.20	27.90	0.617	33.01	-5.11	
		2593.0	-0.30	1 / 1	27.47	27.17	0.521	33.01	-5.84	
		2665.0	-0.30	1 / 131	27.64	27.34	0.542	33.01	-5.67	
		16-QAM	2521.0	-0.30	1 / 66	27.24	26.94	0.494	33.01	-6.07
		64-QAM	2665.0	-0.30	1 / 66	25.54	25.24	0.334	33.01	-7.77
		256-QAM	2521.0	-0.30	1 / 66	27.99	27.69	0.587	33.01	-5.32
60 MHz	π/2 BPSK	2526.0	-0.30	1 / 1	27.84	27.54	0.567	33.01	-5.47	
		2593.0	-0.30	1 / 160	28.09	27.79	0.601	33.01	-5.22	
		2660.0	-0.30	1 / 1	27.76	27.46	0.557	33.01	-5.55	
	QPSK	2526.0	-0.30	1 / 1	25.38	25.08	0.322	33.01	-7.93	
		2593.0	-0.30	1 / 1	27.86	27.56	0.570	33.01	-5.45	
		2660.0	-0.30	1 / 1	27.98	27.68	0.586	33.01	-5.33	
		16-QAM	2593.0	-0.30	1 / 1	27.44	27.14	0.517	33.01	-5.87
		64-QAM	2526.0	-0.30	1 / 81	27.99	27.69	0.588	33.01	-5.32
		256-QAM	2593.0	-0.30	1 / 1	27.26	26.96	0.496	33.01	-6.05
70 MHz	π/2 BPSK	2531.0	-0.30	1 / 90	26.17	25.87	0.386	33.01	-7.14	
		2593.0	-0.30	1 / 1	27.81	27.51	0.564	33.01	-5.50	
		2655.0	-0.30	1 / 1	27.55	27.25	0.531	33.01	-5.76	
	QPSK	2531.0	-0.30	1 / 1	23.81	23.51	0.224	33.01	-9.50	
		2593.0	-0.30	1 / 187	28.02	27.72	0.592	33.01	-5.29	
		2655.0	-0.30	1 / 90	27.94	27.64	0.580	33.01	-5.38	
		16-QAM	2593.0	-0.30	1 / 1	27.85	27.55	0.568	33.01	-5.46
		64-QAM	2531.0	-0.30	1 / 1	27.48	27.18	0.522	33.01	-5.83
		256-QAM	2531.0	-0.30	1 / 1	25.77	25.47	0.352	33.01	-7.54
80 MHz	π/2 BPSK	2536.0	-0.30	1 / 108	27.31	27.01	0.503	33.01	-6.00	
		2593.0	-0.30	1 / 108	27.73	27.43	0.553	33.01	-5.58	
		2650.0	-0.30	1 / 108	28.01	27.71	0.590	33.01	-5.30	
	QPSK	2536.0	-0.30	1 / 108	26.06	25.76	0.377	33.01	-7.25	
		2540.0	-0.30	1 / 215	27.04	26.74	0.473	33.01	-6.27	
		2650.0	-0.30	1 / 215	27.51	27.21	0.526	33.01	-5.80	
		16-QAM	2593.0	-0.30	1 / 108	26.58	26.28	0.424	33.01	-6.73
		64-QAM	2593.0	-0.30	1 / 108	25.21	24.91	0.310	33.01	-8.10
		256-QAM	2536.0	-0.30	1 / 108	23.31	23.01	0.200	33.01	-10.00
90 MHz	π/2 BPSK	2541.0	-0.30	1 / 122	27.31	27.01	0.502	33.01	-6.00	
		2593.0	-0.30	1 / 122	28.20	27.90	0.617	33.01	-5.11	
		2645.0	-0.30	1 / 122	27.84	27.54	0.568	33.01	-5.47	
	QPSK	2541.0	-0.30	1 / 122	25.93	25.63	0.366	33.01	-7.38	
		2593.0	-0.30	1 / 122	26.95	26.65	0.462	33.01	-6.36	
		2645.0	-0.30	1 / 122	27.26	26.96	0.496	33.01	-6.05	
		16-QAM	2541.0	-0.30	1 / 122	25.46	25.16	0.328	33.01	-7.85
		64-QAM	2541.0	-0.30	1 / 122	24.97	24.67	0.293	33.01	-8.34
		256-QAM	2645.0	-0.30	1 / 122	23.34	23.04	0.201	33.01	-9.97
100 MHz	π/2 BPSK	2546.0	-0.30	1 / 136	27.47	27.17	0.521	33.01	-5.84	
		2593.0	-0.30	1 / 136	28.20	27.90	0.617	33.01	-5.11	
		2640.0	-0.30	1 / 136	27.76	27.46	0.557	33.01	-5.55	
	QPSK	2546.0	-0.30	1 / 136	26.08	25.78	0.378	33.01	-7.23	
		2593.0	-0.30	1 / 136	27.08	26.78	0.476	33.01	-6.23	
		2640.0	-0.30	1 / 271	27.44	27.14	0.518	33.01	-5.87	
		16-QAM	2640.0	-0.30	1 / 1	26.80	26.50	0.447	33.01	-6.51
		64-QAM	2640.0	-0.30	1 / 271	25.02	24.72	0.296	33.01	-8.29
		256-QAM	2640.0	-0.30	1 / 271	23.35	23.05	0.202	33.01	-9.96

Table 7-42. Antenna 2b EIRP Data (NR Band n41 PC2)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	Page 217 of 274
	EUT Type: Tablet Device	

NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
20 MHz	π/2 BPSK	2510.0	-0.30	1 / 25	25.53	25.23	0.333	33.01	-7.78	
		2593.0	-0.30	1 / 49	25.60	25.30	0.339	33.01	-7.71	
		2680.0	-0.30	1 / 25	25.35	25.05	0.320	33.01	-7.96	
	QPSK	2510.0	-0.30	1 / 49	25.53	25.23	0.333	33.01	-7.78	
		2593.0	-0.30	1 / 25	25.49	25.19	0.330	33.01	-7.82	
		2680.0	-0.30	1 / 25	25.70	25.40	0.347	33.01	-7.61	
		16-QAM	2593.0	-0.30	1 / 1	24.68	24.38	0.274	33.01	-8.63
		64-QAM	2593.0	-0.30	1 / 1	23.26	22.96	0.198	33.01	-10.05
		256-QAM	2593.0	-0.30	1 / 1	21.20	20.90	0.123	33.01	-12.11
	30 MHz	π/2 BPSK	2515.0	-0.30	1 / 39	25.25	24.95	0.312	33.01	-8.06
			2593.0	-0.30	1 / 39	25.27	24.97	0.314	33.01	-8.04
			2675.0	-0.30	1 / 39	25.33	25.03	0.318	33.01	-7.98
QPSK		2515.0	-0.30	1 / 39	25.60	25.30	0.339	33.01	-8.06	
		2593.0	-0.30	1 / 1	25.15	24.85	0.305	33.01	-8.17	
		2675.0	-0.30	1 / 39	25.70	25.40	0.347	33.01	-7.61	
		16-QAM	2515.0	-0.30	1 / 39	24.75	24.45	0.278	33.01	-8.56
		64-QAM	2675.0	-0.30	1 / 1	22.99	22.69	0.186	33.01	-10.32
		256-QAM	2675.0	-0.30	1 / 1	20.93	20.63	0.116	33.01	-12.38
40 MHz		π/2 BPSK	2520.0	-0.30	1 / 104	25.54	25.24	0.334	33.01	-7.77
			2593.0	-0.30	1 / 1	25.42	25.12	0.325	33.01	-7.89
			2670.0	-0.30	1 / 104	25.70	25.40	0.347	33.01	-7.61
	QPSK	2520.0	-0.30	1 / 104	25.50	25.20	0.331	33.01	-7.81	
		2593.0	-0.30	1 / 53	25.41	25.11	0.325	33.01	-7.90	
		2670.0	-0.30	1 / 1	25.57	25.27	0.336	33.01	-7.74	
		16-QAM	2670.0	-0.30	1 / 1	24.92	24.62	0.290	33.01	-8.39
		64-QAM	2670.0	-0.30	1 / 53	23.32	23.02	0.201	33.01	-9.99
		256-QAM	2593.0	-0.30	1 / 1	21.18	20.88	0.122	33.01	-12.13
	50 MHz	π/2 BPSK	2525.0	-0.30	1 / 131	25.25	24.95	0.312	33.01	-8.06
			2593.0	-0.30	1 / 131	25.22	24.92	0.311	33.01	-8.09
			2665.0	-0.30	1 / 66	25.70	25.40	0.347	33.01	-7.61
QPSK		2525.0	-0.30	1 / 66	25.63	25.33	0.341	33.01	-7.68	
		2593.0	-0.30	1 / 131	25.47	25.17	0.329	33.01	-7.84	
		2665.0	-0.30	1 / 1	25.59	25.29	0.338	33.01	-7.72	
		16-QAM	2593.0	-0.30	1 / 66	24.82	24.52	0.283	33.01	-8.49
		64-QAM	2593.0	-0.30	1 / 131	23.20	22.90	0.195	33.01	-10.11
		256-QAM	2665.0	-0.30	1 / 66	21.23	20.93	0.124	33.01	-12.08
60 MHz		π/2 BPSK	2530.0	-0.30	1 / 81	25.57	25.27	0.336	33.01	-7.74
			2593.0	-0.30	1 / 160	25.66	25.36	0.344	33.01	-7.65
			2660.0	-0.30	1 / 81	25.70	25.40	0.347	33.01	-7.61
	QPSK	2530.0	-0.30	1 / 81	25.44	25.14	0.327	33.01	-7.87	
		2593.0	-0.30	1 / 160	25.52	25.22	0.333	33.01	-7.79	
		2660.0	-0.30	1 / 1	25.64	25.34	0.342	33.01	-7.67	
		16-QAM	2660.0	-0.30	1 / 160	25.16	24.86	0.306	33.01	-8.15
		64-QAM	2660.0	-0.30	1 / 1	23.29	22.99	0.199	33.01	-10.02
		256-QAM	2593.0	-0.30	1 / 81	20.97	20.67	0.117	33.01	-12.34
	70 MHz	π/2 BPSK	2535.0	-0.30	1 / 187	25.36	25.06	0.321	33.01	-7.95
			2593.0	-0.30	1 / 90	25.58	25.28	0.337	33.01	-7.73
			2655.0	-0.30	1 / 1	25.67	25.37	0.344	33.01	-7.64
QPSK		2535.0	-0.30	1 / 187	25.56	25.26	0.336	33.01	-7.75	
		2593.0	-0.30	1 / 1	25.70	25.40	0.347	33.01	-7.61	
		2655.0	-0.30	1 / 90	25.60	25.30	0.339	33.01	-7.71	
		16-QAM	2655.0	-0.30	1 / 1	24.89	24.59	0.288	33.01	-8.42
		64-QAM	2593.0	-0.30	1 / 1	23.42	23.12	0.205	33.01	-9.89
		256-QAM	2655.0	-0.30	1 / 1	21.10	20.80	0.120	33.01	-12.21
80 MHz		π/2 BPSK	2540.0	-0.30	1 / 215	24.98	24.68	0.294	33.01	-8.33
			2593.0	-0.30	1 / 1	25.58	25.28	0.337	33.01	-7.73
			2650.0	-0.30	1 / 1	25.70	25.40	0.347	33.01	-7.61
	QPSK	2540.0	-0.30	1 / 215	25.59	25.29	0.338	33.01	-7.72	
		2593.0	-0.30	1 / 1	25.46	25.16	0.328	33.01	-7.85	
		2650.0	-0.30	1 / 215	25.64	25.34	0.342	33.01	-7.67	
		16-QAM	2593.0	-0.30	1 / 1	24.89	24.59	0.288	33.01	-8.42
		64-QAM	2650.0	-0.30	1 / 1	23.26	22.96	0.198	33.01	-10.05
		256-QAM	2593.0	-0.30	1 / 1	21.34	21.04	0.127	33.01	-11.97
	90 MHz	π/2 BPSK	2545.0	-0.30	1 / 243	25.29	24.99	0.315	33.01	-8.02
			2593.0	-0.30	1 / 1	25.67	25.37	0.345	33.01	-7.64
			2645.0	-0.30	1 / 122	25.55	25.25	0.335	33.01	-7.76
QPSK		2545.0	-0.30	1 / 243	25.33	25.03	0.318	33.01	-7.98	
		2593.0	-0.30	1 / 243	25.56	25.26	0.335	33.01	-7.75	
		2645.0	-0.30	1 / 243	25.70	25.40	0.347	33.01	-7.61	
		16-QAM	2593.0	-0.30	1 / 122	24.97	24.67	0.293	33.01	-8.35
		64-QAM	2593.0	-0.30	1 / 1	23.19	22.89	0.194	33.01	-10.12
		256-QAM	2645.0	-0.30	1 / 1	21.14	20.84	0.121	33.01	-12.17
100 MHz		π/2 BPSK	2550.0	-0.30	1 / 1	25.55	25.25	0.335	33.01	-7.76
			2593.0	-0.30	1 / 271	25.59	25.29	0.338	33.01	-7.72
			2640.0	-0.30	1 / 271	25.69	25.39	0.346	33.01	-7.62
	QPSK	2550.0	-0.30	1 / 1	25.50	25.20	0.331	33.01	-7.81	
		2593.0	-0.30	1 / 271	25.14	24.84	0.305	33.01	-8.17	
		2640.0	-0.30	1 / 1	25.13	24.83	0.304	33.01	-8.18	
		16-QAM	2550.0	-0.30	1 / 271	24.35	24.05	0.254	33.01	-8.96
		64-QAM	2640.0	-0.30	1 / 271	23.12	22.82	0.191	33.01	-10.19
		256-QAM	2550.0	-0.30	1 / 271	24.67	24.37	0.274	33.01	-8.64

Table 7-43. Antenna 2b EIRP Data (NR Band n41 PC3)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	Page 218 of 274
	EUT Type: Tablet Device	



ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	21.95	0.00	21.95	0.157	33.01	-11.06
				21100	2535.0	1	99		21298	2554.8	1	0	22.12	0.00	22.12	0.163	33.01	-10.89
			16-QAM	21350	2560.0	1	0	16-QAM	21152	2540.2	1	99	22.07	0.00	22.07	0.161	33.01	-10.94
				21100	2535	100	0		21298	2554.8	100	0	20.35	0.00	20.35	0.108	33.01	-12.66
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	19.39	0.00	19.39	0.087	33.01	-13.62
				21100	2535	100	0		21298	2554.8	100	0	19.25	0.00	19.25	0.084	33.01	-13.76
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	17.27	0.00	17.27	0.053	33.01	-15.74

Table 7-44. Antenna 2b EIRP Data (ULCA LTE Band 7)

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	28.02	-0.30	27.72	0.592	33.01	-5.29
				40620	2593.0	1	99		40818	2612.8	1	0	28.06	-0.30	27.76	0.597	33.01	-5.25
			16-QAM	41490	2680.0	1	0	16-QAM	41292	2660.2	1	99	27.91	-0.30	27.61	0.577	33.01	-5.40
				40620	2593	100	0		40818	2612.8	100	0	28.25	-0.30	27.95	0.394	33.01	-7.06
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	25.25	-0.30	24.95	0.313	33.01	-8.06
				40620	2593	100	0		40818	2612.8	100	0	25.28	-0.30	24.98	0.315	33.01	-8.03
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	23.26	-0.30	22.96	0.198	33.01	-10.05

Table 7-45. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.49	-0.30	25.19	0.330	33.01	-7.82
				40620	2593.0	1	99		40818	2612.8	1	0	25.68	-0.30	25.38	0.345	33.01	-7.63
			16-QAM	41490	2680.0	1	0	16-QAM	41292	2660.2	1	99	25.40	-0.30	25.10	0.324	33.01	-7.91
				40620	2593	100	0		40818	2612.8	100	0	23.75	-0.30	23.45	0.221	33.01	-9.56
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.76	-0.30	22.46	0.176	33.01	-10.55
				40620	2593	100	0		40818	2612.8	100	0	22.87	-0.30	22.57	0.181	33.01	-10.44
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.76	-0.30	20.46	0.111	33.01	-12.55

Table 7-46. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

Test Overview


Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

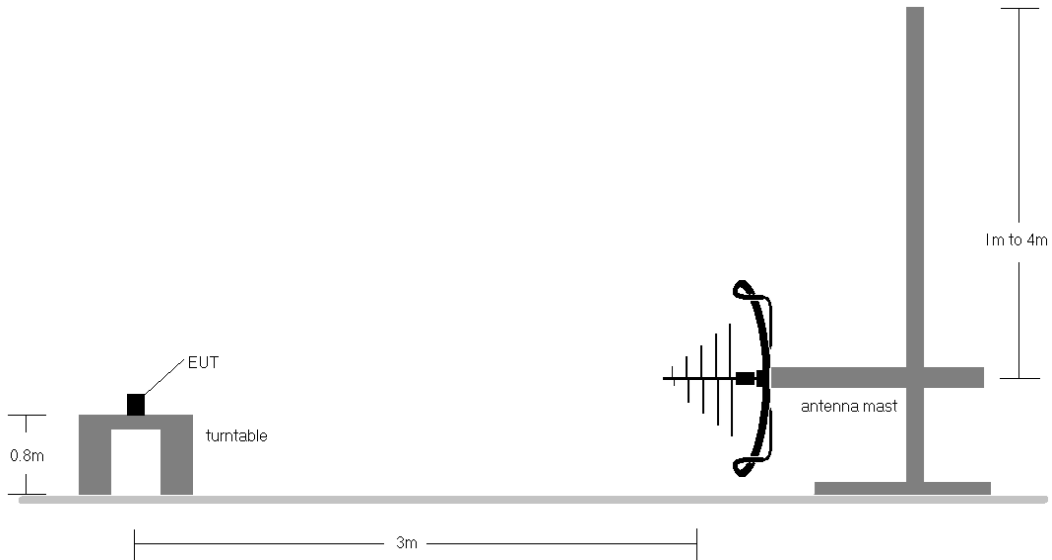


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

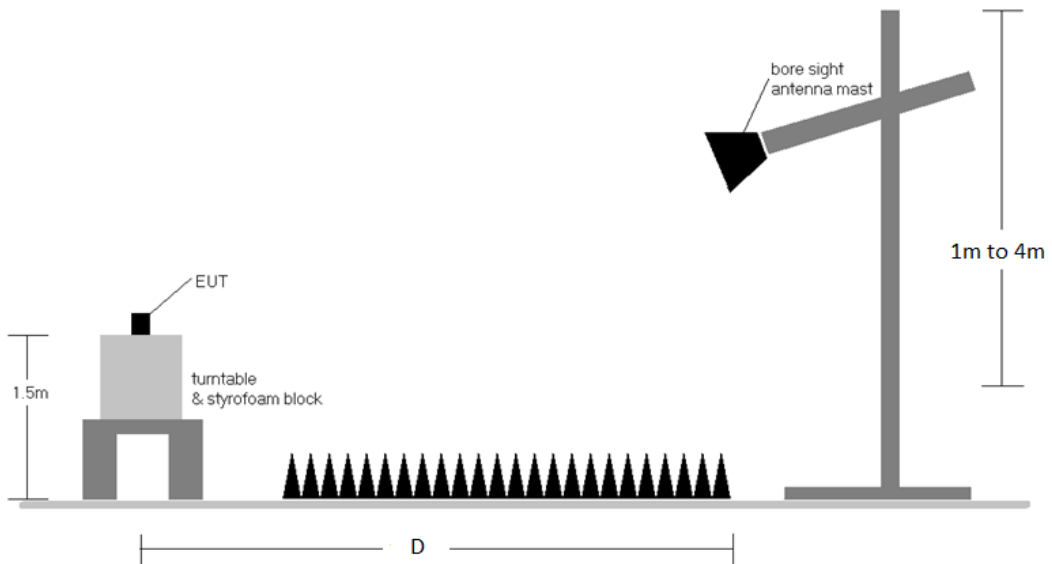




Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
8. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
9. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
10. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.
11. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
12. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
13. For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.

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7.7.1 Antenna 4b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4619.2	V	-	-	-79.44	6.77	34.33	-60.93	-40.00	-20.93
6928.8	V	-	-	-80.39	10.27	36.88	-58.38	-40.00	-18.38
9238.4	V	-	-	-82.46	12.29	36.83	-58.43	-40.00	-18.43

Table 7-47. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.48	6.76	34.28	-60.98	-40.00	-20.98
6930.0	V	-	-	-80.03	10.26	37.23	-58.03	-40.00	-18.03
9240.0	V	-	-	-82.44	12.31	36.87	-58.38	-40.00	-18.38

Table 7-48. Radiated Spurious Data (LTE Band 30 – Mid Channel)

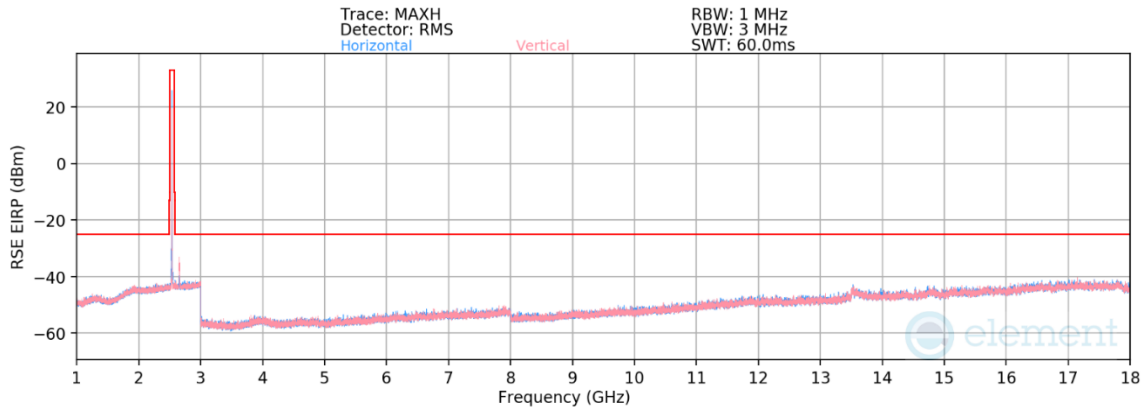
Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4629.39	V	-	-	-78.91	6.84	34.93	-60.33	-40.00	-20.33
6944.09	V	-	-	-80.27	10.23	36.96	-58.29	-40.00	-18.29
9258.78	V	-	-	-82.46	12.34	36.88	-58.37	-40.00	-18.37

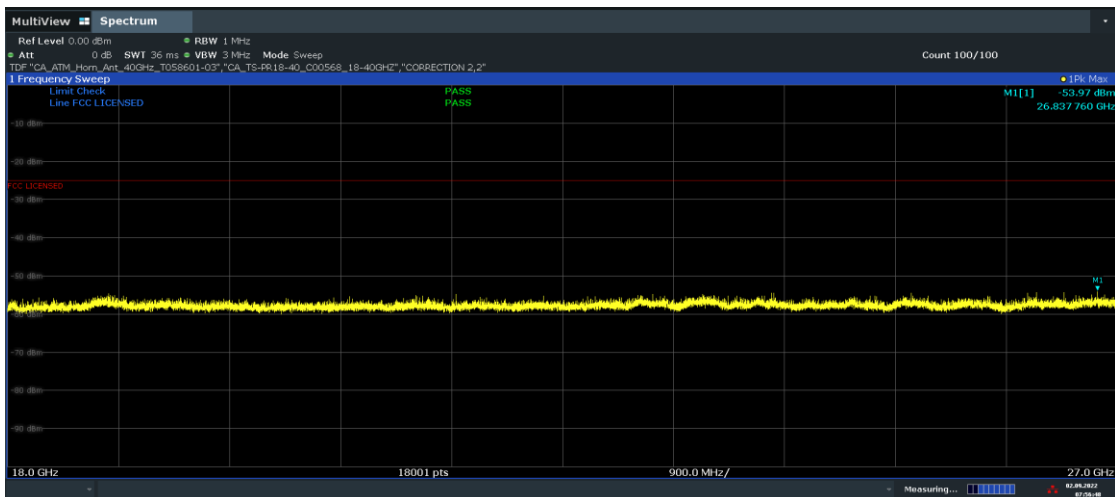
Table 7-49. Radiated Spurious Data (LTE Band 30 – High Channel)

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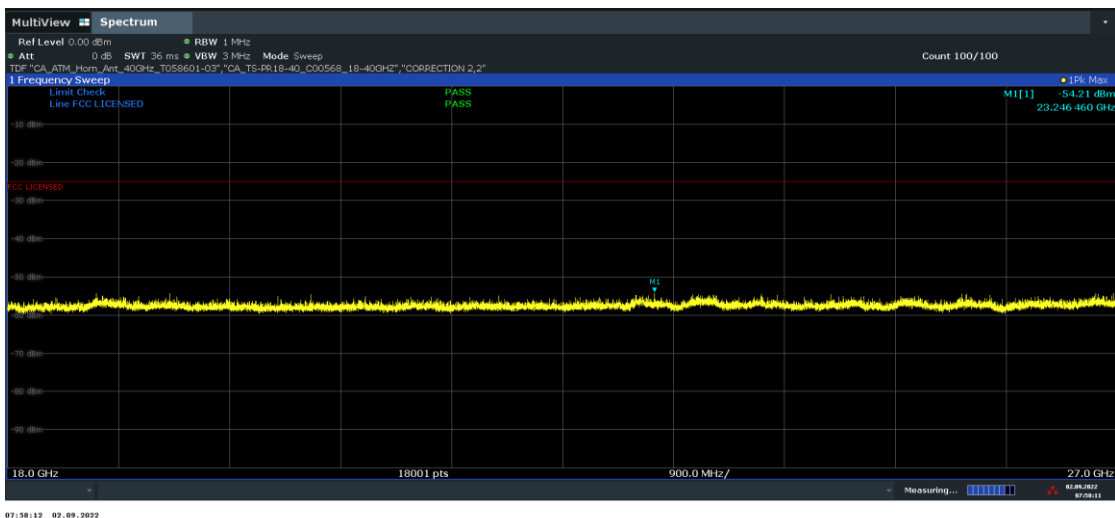
LTE Band 7



Plot 7-305. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-306. Antenna 4b Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. H)



Plot 7-307. Antenna 4b Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. V)

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Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-80.10	7.60	34.50	-60.76	-25.00	-35.76
7530.0	H	-	-	-80.88	10.96	37.08	-58.18	-25.00	-33.18
10040.0	H	-	-	-82.89	13.87	37.98	-57.27	-25.00	-32.27

Table 7-50. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-79.82	7.42	34.60	-60.66	-25.00	-35.66
7605.0	H	260	6	-77.94	10.93	39.99	-55.27	-25.00	-30.27
10140.0	H	-	-	-83.08	14.68	38.60	-56.65	-25.00	-31.65
12675.0	H	-	-	-84.55	18.68	41.13	-54.13	-25.00	-29.13
15210.0	H	-	-	-83.55	21.36	44.81	-50.44	-25.00	-25.44

Table 7-51. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	H	-	-	-77.88	4.41	33.53	-61.72	-25.00	-36.72
7680.00	H	-	-	-80.79	9.02	35.23	-60.03	-25.00	-35.03
10240.00	H	-	-	-83.93	14.22	37.29	-57.97	-25.00	-32.97

Table 7-52. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-80.39	7.61	34.22	-61.04	-25.00	-36.04
7518.0	V	-	-	-81.30	10.90	36.60	-58.66	-25.00	-33.66
10024.0	V	-	-	-82.49	13.74	38.25	-57.01	-25.00	-32.01

Table 7-53. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.19	7.62	34.43	-60.83	-25.00	-35.83
7779.0	V	-	-	-80.40	10.79	37.39	-57.87	-25.00	-32.87
10372.0	V	-	-	-82.05	14.80	39.75	-55.51	-25.00	-30.51

Table 7-54. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.97	8.30	35.33	-59.92	-25.00	-34.92
8040.0	V	-	-	-80.77	10.99	37.22	-58.04	-25.00	-33.04
10720.0	V	-	-	-82.23	15.88	40.65	-54.60	-25.00	-29.60

Table 7-55. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-79.24	6.91	34.67	-60.59	-40.00	-20.59
6922.5	V	282	209	-75.70	10.28	41.58	-53.68	-40.00	-13.68
9230.0	V	-	-	-80.91	12.07	38.16	-57.09	-40.00	-17.09
11537.5	V	-	-	-82.41	16.78	41.37	-53.89	-40.00	-13.89
13845.0	V	-	-	-80.50	18.33	44.83	-50.43	-40.00	-10.43

Table 7-56. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.21	6.76	34.55	-60.71	-40.00	-20.71
6930.0	V	272	215	-74.39	10.26	42.87	-52.39	-40.00	-12.39
9240.0	V	-	-	-80.82	12.31	38.49	-56.76	-40.00	-16.76
11550.0	V	-	-	-82.38	16.73	41.35	-53.90	-40.00	-13.90
13860.0	V	-	-	-80.71	18.01	44.30	-50.96	-40.00	-10.96

Table 7-57. Radiated Spurious Data (NR Band n30 – Mid Channel)

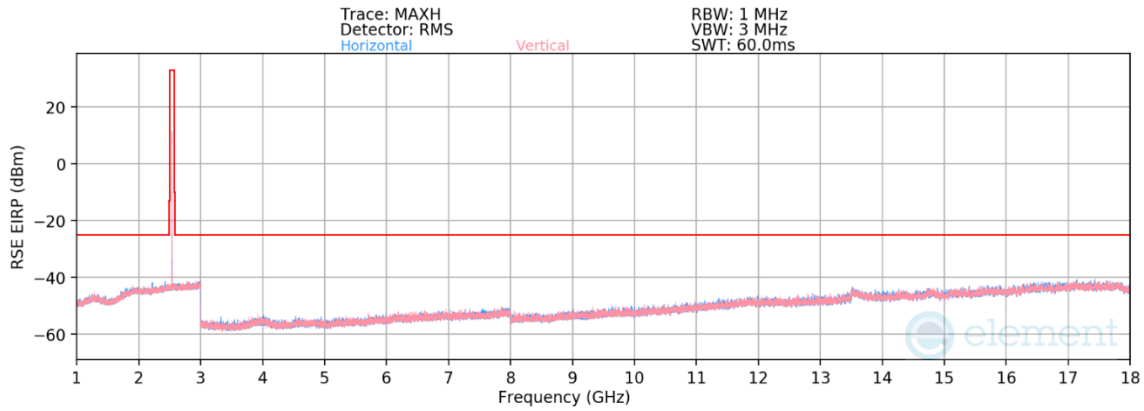
Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	-	-	-79.11	6.79	34.68	-60.58	-40.00	-20.58
6937.5	V	272	180	-73.09	10.24	44.15	-51.11	-40.00	-11.11
9250.0	V	-	-	-80.99	12.38	38.39	-56.87	-40.00	-16.87
11562.5	V	-	-	-82.51	16.59	41.08	-54.18	-40.00	-14.18
13875.0	V	-	-	-80.78	17.84	44.06	-51.20	-40.00	-11.20

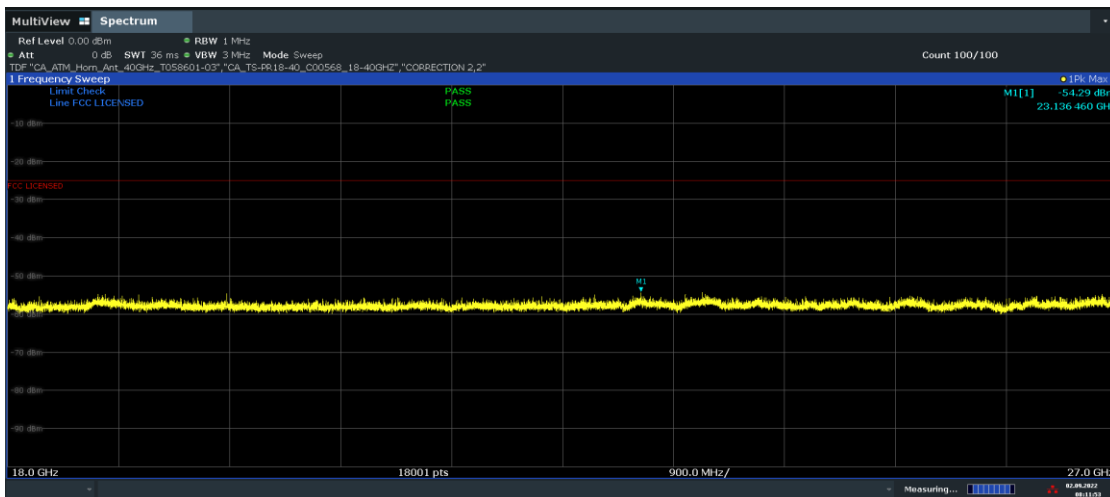
Table 7-58. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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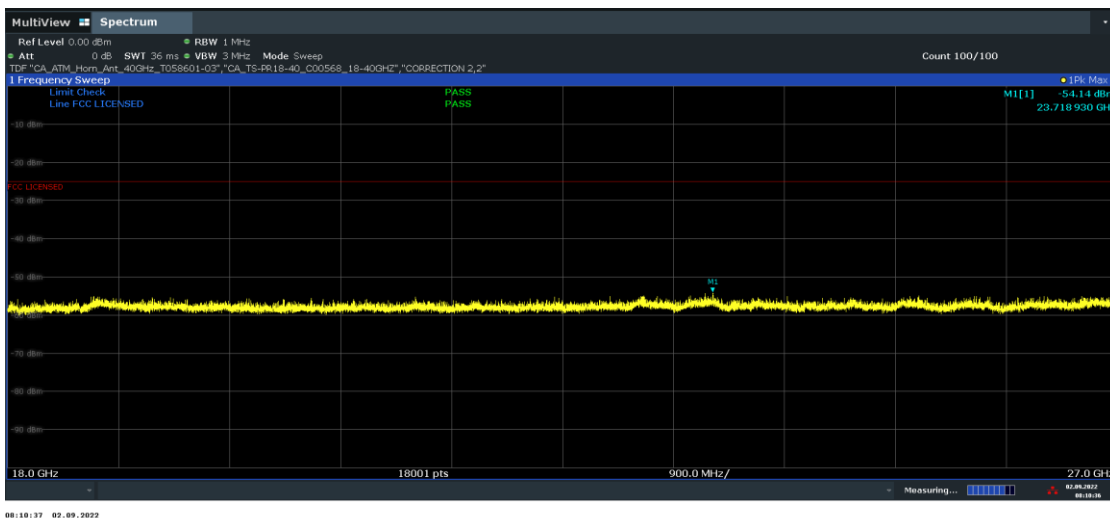
NR Band n7



Plot 7-308. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)



Plot 7-309. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n7, Pol. H)



Plot 7-310. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n7, Pol. V)

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Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-77.80	3.89	33.09	-62.17	-25.00	-37.17
7560.0	V	-	-	-80.29	8.93	35.64	-59.62	-25.00	-34.62
10080.0	V	-	-	-83.01	13.17	37.16	-58.10	-25.00	-33.10

Table 7-59. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.81	3.99	33.18	-62.07	-25.00	-37.07
7605.0	V	-	-	-80.25	9.07	35.82	-59.43	-25.00	-34.43
10140.0	V	-	-	-83.12	13.37	37.25	-58.01	-25.00	-33.01

Table 7-60. Radiated Spurious Data (NR Band n7 – Mid Channel)

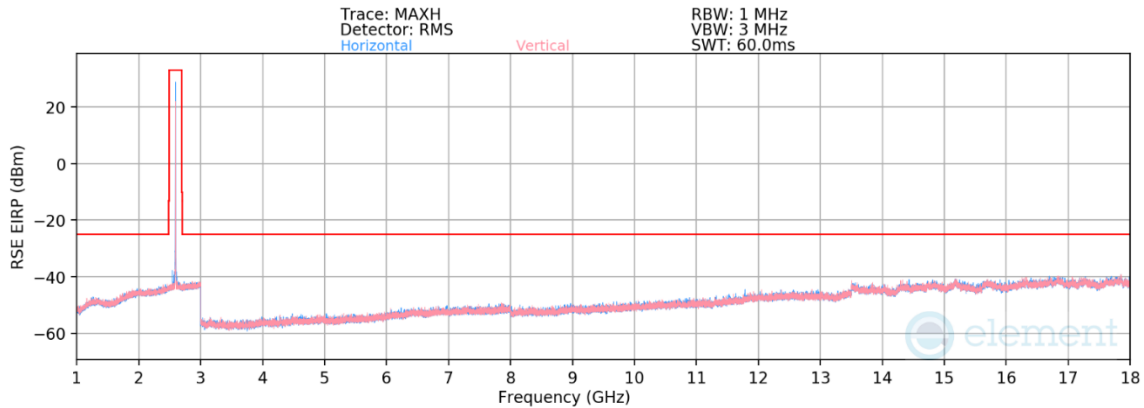
Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-77.83	4.23	33.40	-61.86	-25.00	-36.86
7650.0	V	-	-	-80.06	8.86	35.80	-59.46	-25.00	-34.46
10200.0	V	-	-	-83.26	13.78	37.52	-57.74	-25.00	-32.74

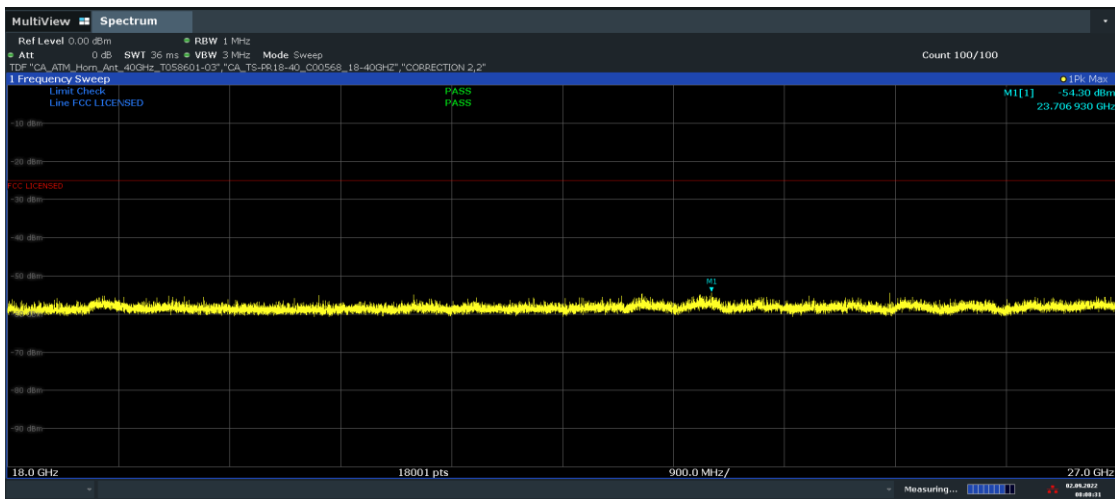
Table 7-61. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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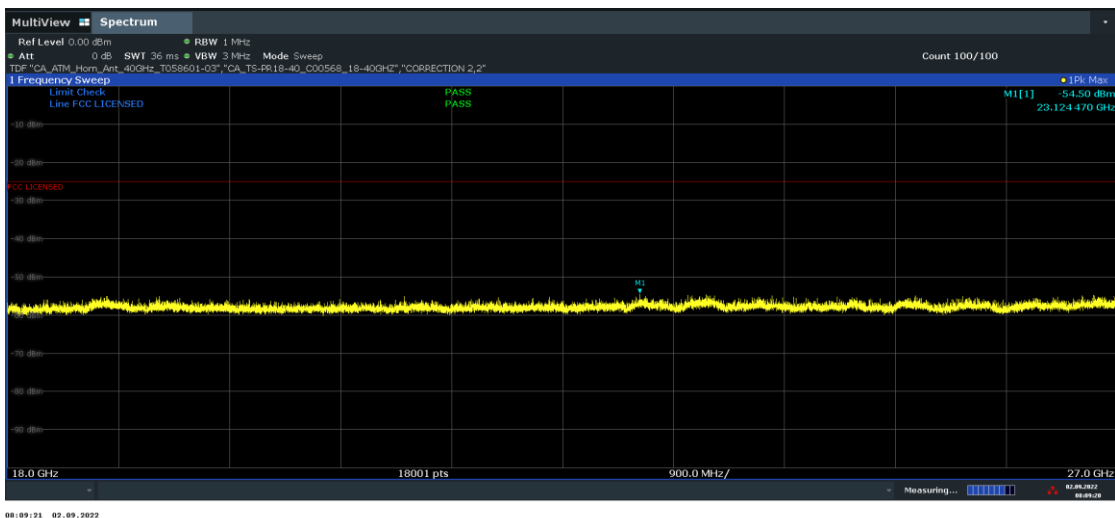
NR Band n41



Plot 7-311. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-312. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n41, Pol. H)



Plot 7-313. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n41, Pol. V)

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Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-80.07	7.60	34.53	-60.73	-25.00	-35.73
7638.0	V	-	-	-80.82	11.17	37.35	-57.91	-25.00	-32.91
10184.0	V	-	-	-81.69	14.24	39.55	-55.71	-25.00	-30.71

Table 7-62. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.86	7.62	34.76	-60.50	-25.00	-35.50
7779.0	V	-	-	-80.54	10.79	37.25	-58.01	-25.00	-33.01
10372.0	V	-	-	-81.83	14.80	39.97	-55.29	-25.00	-30.29

Table 7-63. Radiated Spurious Data (NR Band n41 – Mid Channel)

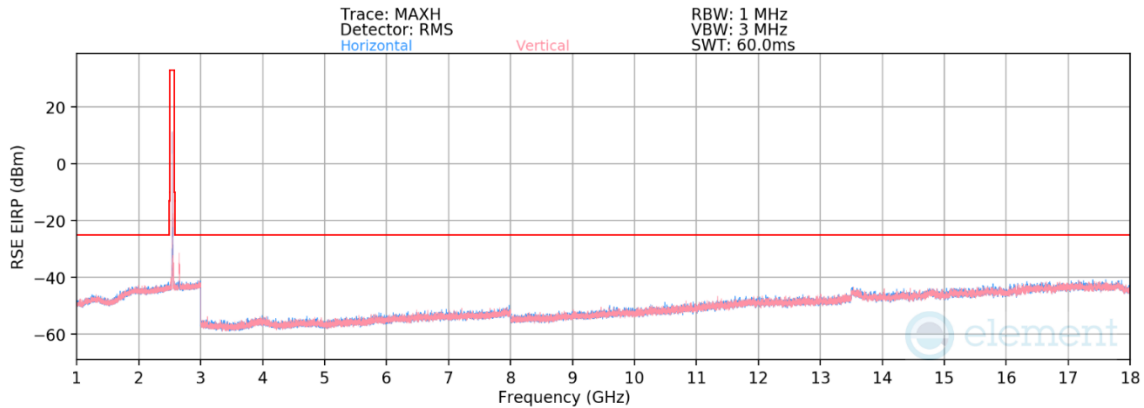
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-79.75	7.43	34.68	-60.57	-25.00	-35.57
7920.0	V	-	-	-80.77	11.29	37.52	-57.74	-25.00	-32.74
10560.0	V	-	-	-81.95	14.86	39.91	-55.34	-25.00	-30.34

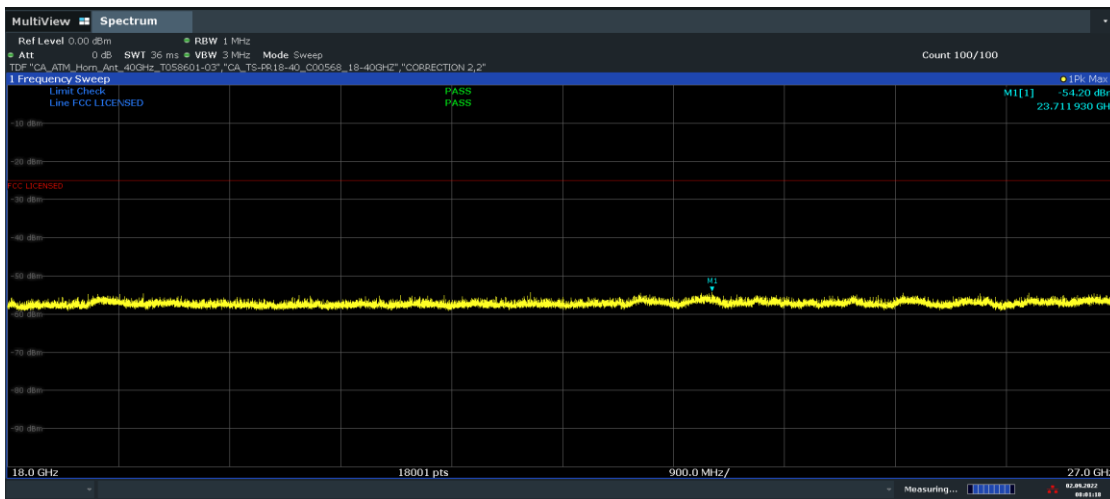
Table 7-64. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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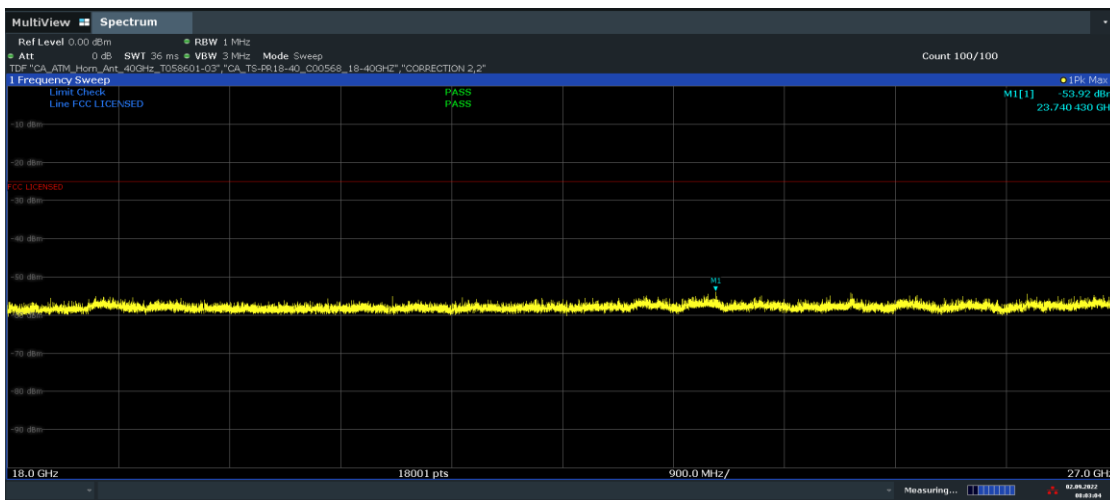
ULCA - LTE B7



Plot 7-314. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B7)



Plot 7-315. Antenna 4b Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H)



Plot 7-316. Antenna 4b Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. V)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.69	3.94	33.25	-62.01	-25.00	-37.01
7530.0	V	-	-	-79.71	8.95	36.24	-59.02	-25.00	-34.02
10040.0	V	-	-	-82.51	13.28	37.77	-57.49	-25.00	-32.49

Table 7-65. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.63	3.99	33.36	-61.89	-25.00	-36.89
7605.0	V	-	-	-79.77	9.07	36.30	-58.95	-25.00	-33.95
10140.0	V	-	-	-82.86	13.37	37.51	-57.75	-25.00	-32.75

Table 7-66. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-77.75	4.41	33.66	-61.59	-25.00	-36.59
7680.0	V	-	-	-79.86	9.02	36.16	-59.10	-25.00	-34.10
10240.0	V	-	-	-82.61	14.22	38.61	-56.65	-25.00	-31.65

Table 7-67. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-79.31	7.58	35.27	-59.99	-25.00	-34.99
7518.0	V	-	-	-80.10	10.86	37.76	-57.50	-25.00	-32.50
10024.0	V	-	-	-80.89	13.71	39.82	-55.43	-25.00	-30.43

Table 7-68. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.11	7.66	35.55	-59.71	-25.00	-34.71
7779.0	V	-	-	-79.77	10.80	38.03	-57.23	-25.00	-32.23
10372.0	V	-	-	-81.07	14.81	40.74	-54.52	-25.00	-29.52

Table 7-69. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.21	8.30	36.09	-59.16	-25.00	-34.16
8040.0	V	-	-	-80.12	10.99	37.87	-57.39	-25.00	-32.39
10720.0	V	-	-	-81.07	15.88	41.81	-53.44	-25.00	-28.44

Table 7-70. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device		Page 234 of 274

7.7.2 Antenna 1 Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-79.84	6.91	34.07	-61.19	-40.00	-21.19
6922.5	H	-	-	-80.80	10.28	36.48	-58.78	-40.00	-18.78
9230.0	H	-	-	-81.56	12.07	37.51	-57.74	-40.00	-17.74

Table 7-71. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.77	6.91	34.14	-61.12	-40.00	-21.12
6930.0	H	-	-	-80.58	10.28	36.70	-58.56	-40.00	-18.56
9240.0	H	-	-	-81.31	12.07	37.76	-57.49	-40.00	-17.49

Table 7-72. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	H	-	-	-79.72	6.85	34.13	-61.13	-40.00	-21.13
6937.50	H	-	-	-80.67	10.21	36.54	-58.72	-40.00	-18.72
9250.00	H	-	-	-81.61	12.32	37.71	-57.55	-40.00	-17.55

Table 7-73. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-80.65	7.60	33.95	-61.31	-25.00	-36.31
7530.0	H	-	-	-81.09	10.96	36.87	-58.39	-25.00	-33.39
10040.0	H	-	-	-82.62	13.87	38.25	-57.00	-25.00	-32.00

Table 7-74. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-80.56	7.42	33.86	-61.40	-25.00	-36.40
7605.0	H	-	-	-81.18	10.93	36.75	-58.51	-25.00	-33.51
10140.0	H	-	-	-82.38	14.68	39.30	-55.95	-25.00	-30.95

Table 7-75. Radiated Spurious Data (LTE Band 7 – Mid Channel)

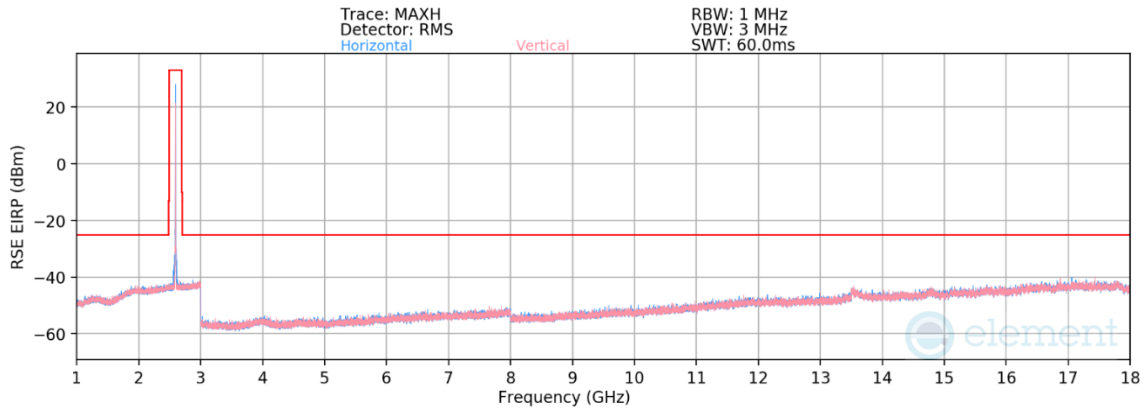
Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	H	-	-	-80.57	7.72	34.15	-61.11	-25.00	-36.11
7680.00	H	-	-	-80.62	10.32	36.70	-58.56	-25.00	-33.56
10240.00	H	-	-	-82.18	14.11	38.93	-56.33	-25.00	-31.33

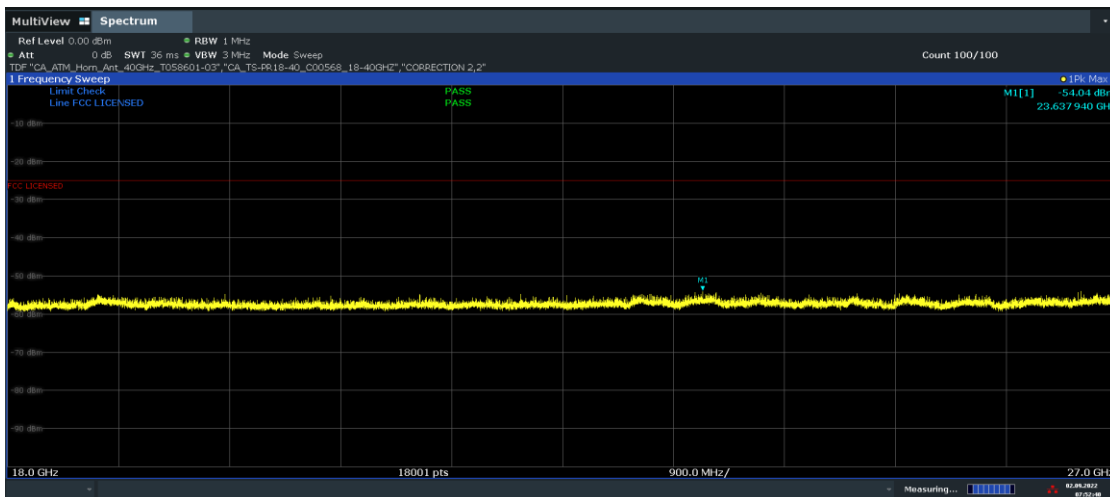
Table 7-76. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 236 of 274

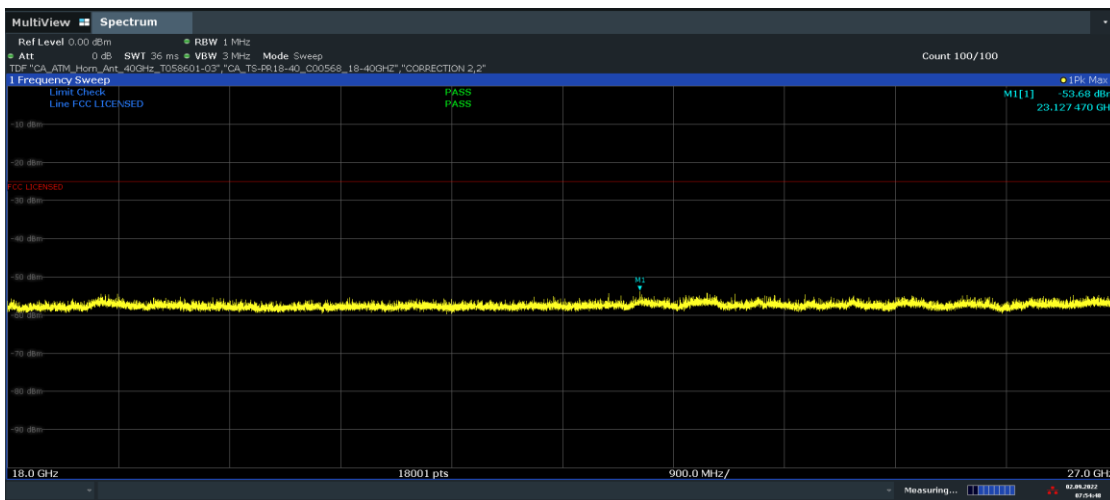
LTE Band 41



Plot 7-317. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-318. Antenna 1 Radiated Spurious Emission above 18GHz (LTE B41, Pol. H)



Plot 7-319. Antenna 1 Radiated Spurious Emission above 18GHz (LTE B41, Pol. V)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device
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Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-80.16	7.61	34.45	-60.81	-25.00	-35.81
7518.0	H	-	-	-80.83	10.90	37.07	-58.19	-25.00	-33.19
10024.0	H	-	-	-81.75	13.74	38.99	-56.27	-25.00	-31.27

Table 7-77. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-80.22	7.62	34.40	-60.86	-25.00	-35.86
7779.0	H	-	-	-80.41	10.79	37.38	-57.88	-25.00	-32.88
10372.0	H	-	-	-81.95	14.80	39.85	-55.41	-25.00	-30.41

Table 7-78. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-80.27	8.30	35.03	-60.22	-25.00	-35.22
8040.0	H	-	-	-81.02	10.99	36.97	-58.29	-25.00	-33.29
10720.0	H	-	-	-81.97	15.88	40.91	-54.34	-25.00	-29.34

Table 7-79. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-79.28	6.91	34.63	-60.63	-40.00	-20.63
6922.5	H	-	-	-80.15	10.28	37.13	-58.13	-40.00	-18.13
9230.0	H	-	-	-80.85	12.07	38.22	-57.03	-40.00	-17.03

Table 7-80. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.32	6.83	34.51	-60.75	-40.00	-20.75
6930.0	H	-	-	-80.01	10.23	37.22	-58.03	-40.00	-18.03
9240.0	H	-	-	-80.98	12.25	38.27	-56.99	-40.00	-16.99

Table 7-81. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	H	-	-	-79.07	6.85	34.78	-60.48	-40.00	-20.48
6937.5	H	-	-	-80.22	10.21	36.99	-58.27	-40.00	-18.27
9250.0	H	-	-	-80.92	12.32	38.40	-56.86	-40.00	-16.86

Table 7-82. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 239 of 274

NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	H	-	-	-77.59	3.89	33.30	-61.96	-25.00	-36.96
7560.0	H	-	-	-80.09	8.93	35.84	-59.42	-25.00	-34.42
10080.0	H	-	-	-82.95	13.17	37.22	-58.04	-25.00	-33.04

Table 7-83. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.83	3.99	33.16	-62.09	-25.00	-37.09
7605.0	H	-	-	-80.07	9.07	36.00	-59.25	-25.00	-34.25
10140.0	H	-	-	-83.04	13.37	37.33	-57.93	-25.00	-32.93

Table 7-84. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	-	-	-77.81	4.23	33.42	-61.84	-25.00	-36.84
7650.0	H	-	-	-80.15	8.86	35.71	-59.55	-25.00	-34.55
10200.0	H	-	-	-83.20	13.78	37.58	-57.68	-25.00	-32.68

Table 7-85. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device
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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	H	-	-	-80.08	7.62	34.54	-60.72	-25.00	-35.72
7638.0	H	-	-	-80.25	11.14	37.89	-57.37	-25.00	-32.37
10184.0	H	-	-	-81.61	14.23	39.62	-55.64	-25.00	-30.64

Table 7-86. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-80.15	7.66	34.51	-60.75	-25.00	-35.75
7779.0	H	-	-	-80.22	10.80	37.58	-57.68	-25.00	-32.68
10372.0	H	-	-	-81.87	14.81	39.94	-55.32	-25.00	-30.32

Table 7-87. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	H	-	-	-79.99	7.40	34.41	-60.85	-25.00	-35.85
7920.0	H	-	-	-80.89	11.28	37.39	-57.87	-25.00	-32.87
10560.0	H	-	-	-81.58	14.86	40.28	-54.98	-25.00	-29.98

Table 7-88. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-77.66	3.94	33.28	-61.98	-25.00	-36.98
7530.0	H	-	-	-79.92	8.95	36.03	-59.23	-25.00	-34.23
10040.0	H	-	-	-82.46	13.28	37.82	-57.44	-25.00	-32.44

Table 7-89. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.52	3.99	33.47	-61.78	-25.00	-36.78
7605.0	H	-	-	-79.71	9.07	36.36	-58.89	-25.00	-33.89
10140.0	H	-	-	-82.75	13.37	37.62	-57.64	-25.00	-32.64

Table 7-90. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

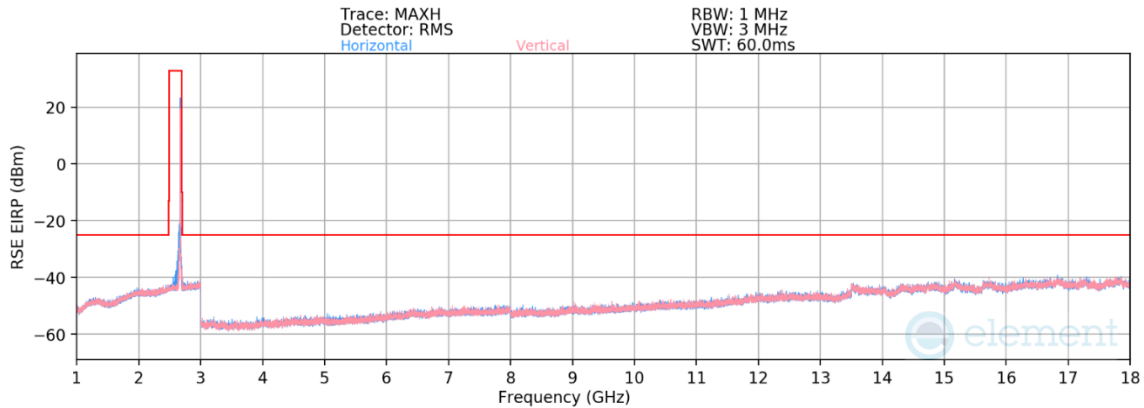
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	H	-	-	-77.55	4.41	33.86	-61.39	-25.00	-36.39
7680.0	H	-	-	-79.80	9.02	36.22	-59.04	-25.00	-34.04
10240.0	H	-	-	-82.84	14.22	38.38	-56.88	-25.00	-31.88

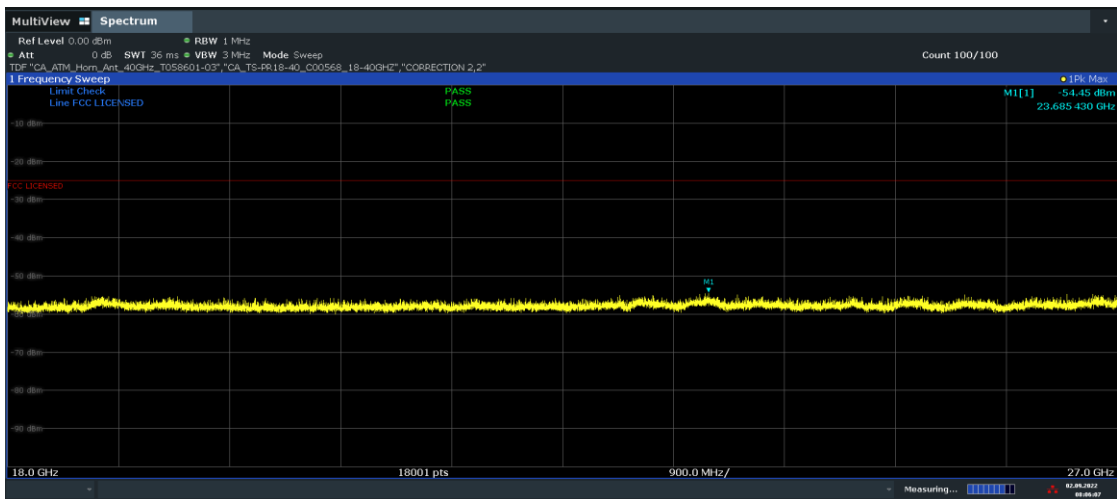
Table 7-91. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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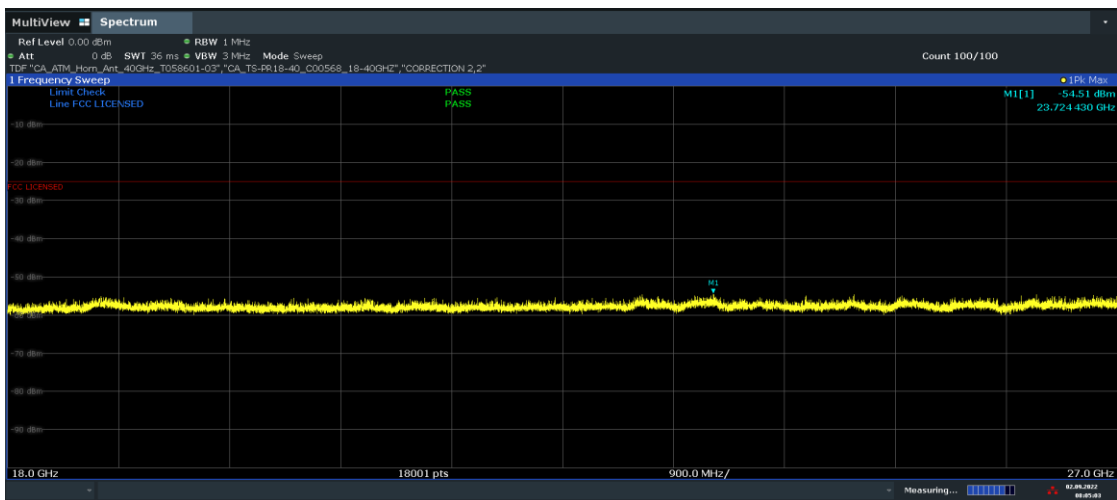
ULCA - LTE B41



Plot 7-320. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B41)



Plot 7-321. Antenna 1 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. H)



Plot 7-322. Antenna 1 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. V)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-79.79	7.58	34.79	-60.47	-25.00	-35.47
7518.0	H	-	-	-80.67	10.86	37.19	-58.07	-25.00	-33.07
10024.0	H	-	-	-81.17	13.71	39.54	-55.71	-25.00	-30.71

Table 7-92. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-78.89	7.66	35.77	-59.49	-25.00	-34.49
7779.0	H	-	-	-80.10	10.80	37.70	-57.56	-25.00	-32.56
10372.0	H	-	-	-81.70	14.81	40.11	-55.15	-25.00	-30.15

Table 7-93. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

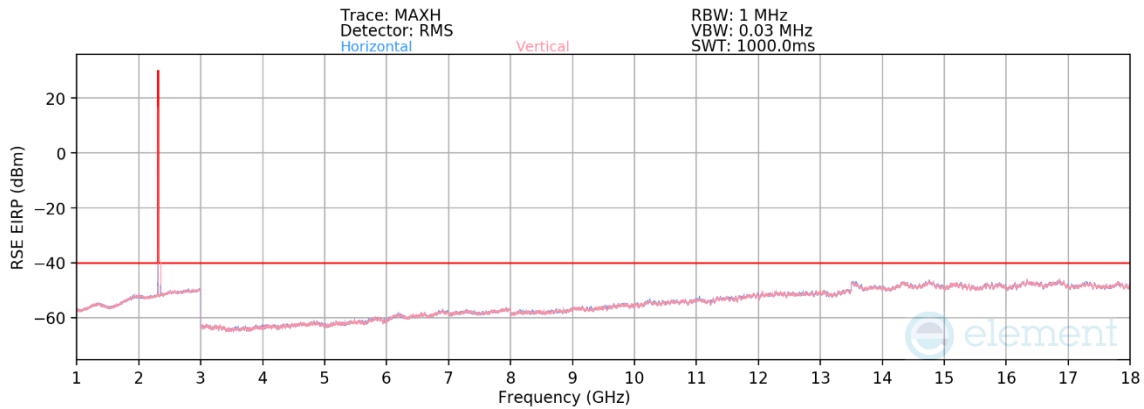
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-79.12	8.32	36.20	-59.05	-25.00	-34.05
8040.0	H	-	-	-80.13	11.03	37.90	-57.36	-25.00	-32.36
10720.0	H	-	-	-81.17	15.87	41.70	-53.55	-25.00	-28.55

Table 7-94. Radiated Spurious Data (ULCA LTE B41 – High Channel)

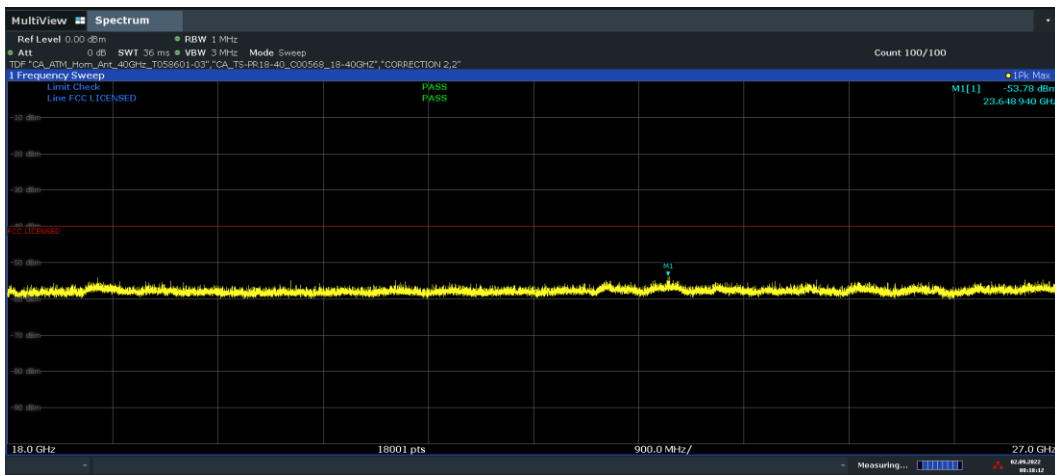
FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 244 of 274

7.7.3 Antenna 3 Radiated Spurious Emission Measurements

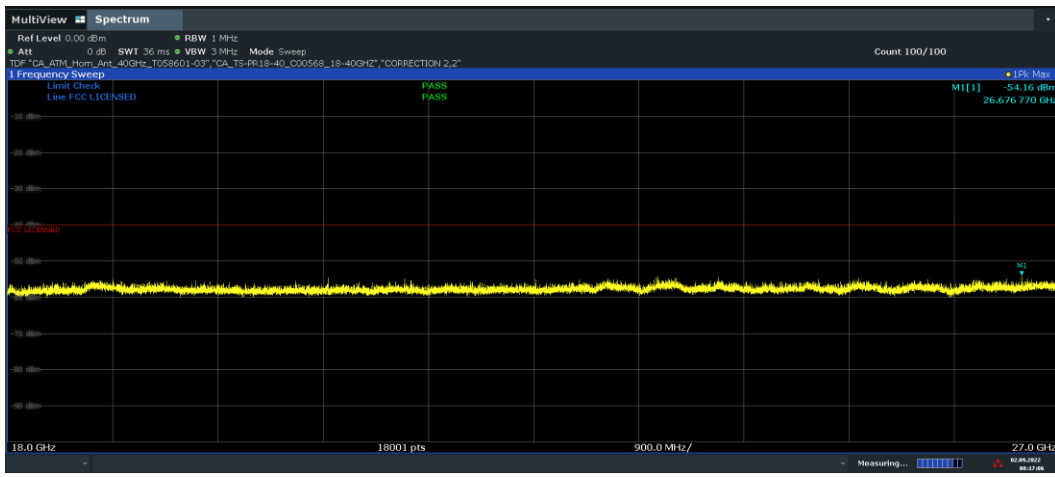
LTE Band 30



Plot 7-323. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-324. Antenna 3 Radiated Spurious Emission above 18GHz (LTE B30, Pol. H)



Plot 7-325. Antenna 3 Radiated Spurious Emission above 18GHz (LTE B30, Pol. V)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-79.84	6.82	33.98	-61.27	-40.00	-21.27
6922.5	V	-	-	-80.71	10.30	36.59	-58.67	-40.00	-18.67
9230.0	V	-	-	-81.56	12.14	37.58	-57.68	-40.00	-17.68

Table 7-95. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.93	6.76	33.83	-61.43	-40.00	-21.43
6930.0	V	-	-	-80.54	10.26	36.72	-58.54	-40.00	-18.54
9240.0	V	-	-	-81.46	12.31	37.85	-57.40	-40.00	-17.40

Table 7-96. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-79.64	6.79	34.15	-61.11	-40.00	-21.11
6937.50	V	-	-	-80.71	10.24	36.53	-58.73	-40.00	-18.73
9250.00	V	-	-	-82.52	12.38	36.86	-58.40	-40.00	-18.40

Table 7-97. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 246 of 274

LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-80.67	7.63	33.96	-61.30	-25.00	-36.30
7530.0	V	-	-	-81.43	10.98	36.55	-58.71	-25.00	-33.71
10040.0	V	-	-	-82.46	13.88	38.42	-56.84	-25.00	-31.84

Table 7-98. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-80.68	7.44	33.76	-61.50	-25.00	-36.50
7605.0	V	-	-	-81.09	10.90	36.81	-58.44	-25.00	-33.44
10140.0	V	-	-	-82.13	14.67	39.54	-55.71	-25.00	-30.71

Table 7-99. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-80.70	7.67	33.97	-61.29	-25.00	-36.29
7680.00	V	-	-	-80.66	10.32	36.66	-58.60	-25.00	-33.60
10240.00	V	-	-	-82.20	14.12	38.92	-56.33	-25.00	-31.33

Table 7-100. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 247 of 274

LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-80.00	7.61	34.61	-60.65	-25.00	-35.65
7518.0	V	-	-	-81.13	10.90	36.77	-58.49	-25.00	-33.49
10024.0	V	-	-	-81.68	13.74	39.06	-56.20	-25.00	-31.20

Table 7-101. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.01	7.62	34.61	-60.65	-25.00	-35.65
7779.0	V	-	-	-80.47	10.79	37.32	-57.94	-25.00	-32.94
10372.0	V	-	-	-82.11	14.80	39.69	-55.57	-25.00	-30.57

Table 7-102. Radiated Spurious Data (LTE Band 41 – Mid Channel)

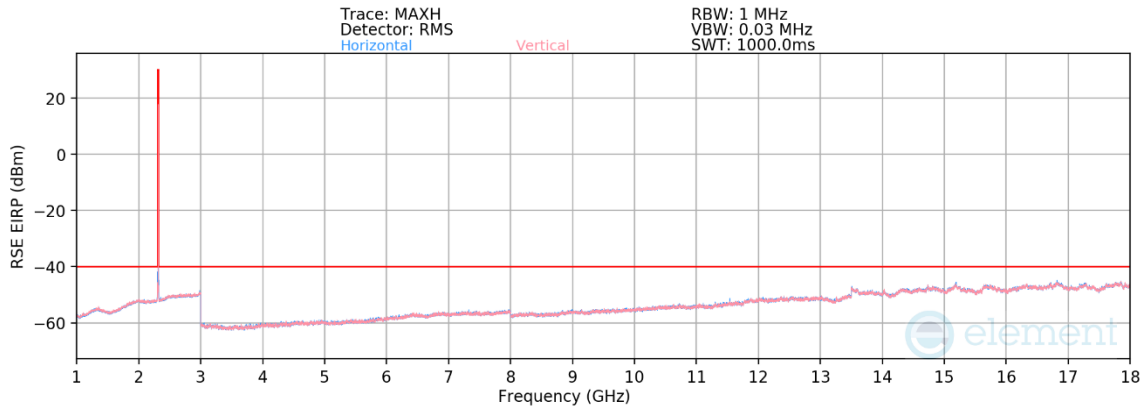
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-80.10	8.30	35.20	-60.05	-25.00	-35.05
8040.0	V	-	-	-81.00	10.99	36.99	-58.27	-25.00	-33.27
10720.0	V	-	-	-82.07	15.88	40.81	-54.44	-25.00	-29.44

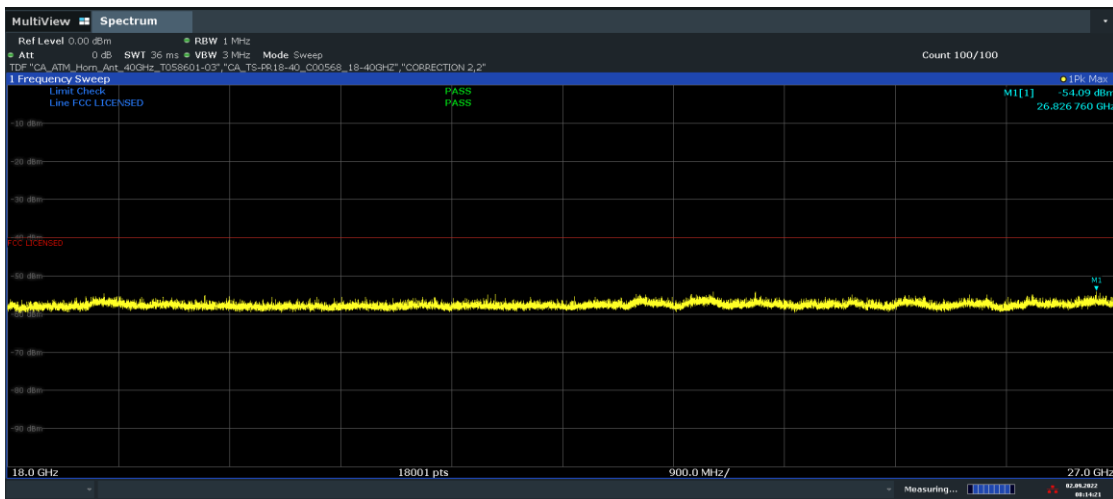
Table 7-103. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 248 of 274

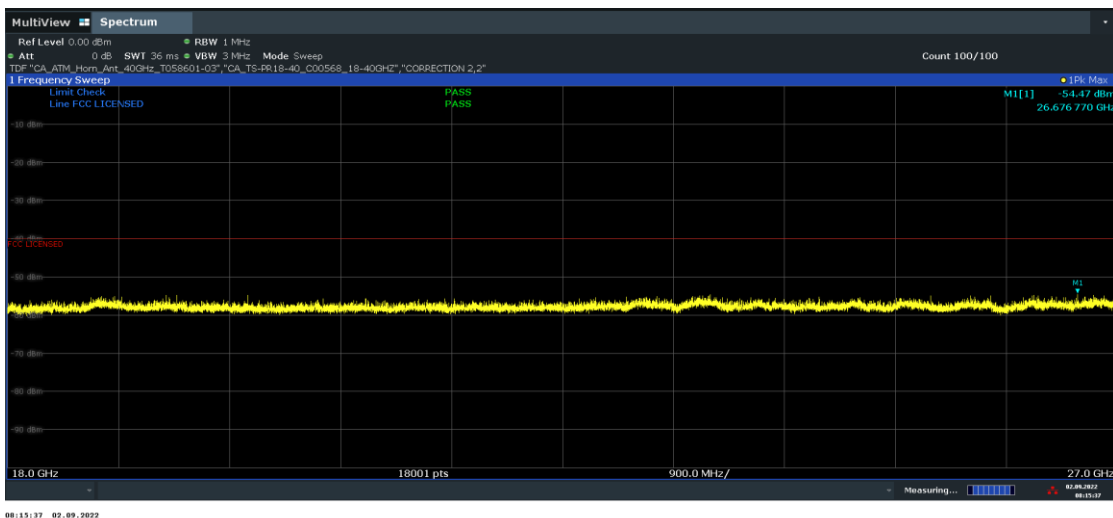
NR Band n30



Plot 7-326. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (NR Band n30)



Plot 7-327. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. H)



Plot 7-328. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. V)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-79.31	6.82	34.51	-60.74	-40.00	-20.74
6922.5	V	272	182	-73.68	10.30	43.62	-51.64	-40.00	-11.64
9230.0	V	-	-	-80.83	12.14	38.31	-56.95	-40.00	-16.95
11537.5	V	-	-	-82.37	16.79	41.42	-53.84	-40.00	-13.84
13845.0	V	-	-	-80.66	18.30	44.64	-50.62	-40.00	-10.62

Table 7-104. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.36	6.76	34.40	-60.86	-40.00	-20.86
6930.0	V	278	206	-70.70	10.26	46.56	-48.70	-40.00	-8.70
9240.0	V	-	-	-81.04	12.31	38.27	-56.98	-40.00	-16.98
11550.0	V	-	-	-82.34	16.73	41.39	-53.86	-40.00	-13.86
13860.0	V	-	-	-80.57	18.01	44.44	-50.82	-40.00	-10.82

Table 7-105. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	-	-	-77.45	3.92	33.47	-61.79	-40.00	-21.79
6937.5	V	227	216	-77.39	8.30	37.91	-57.35	-40.00	-17.35
9250.0	V	-	-	-82.07	11.27	36.20	-59.06	-40.00	-19.06
11562.5	V	-	-	-83.74	17.18	40.44	-54.82	-40.00	-14.82
13875.0	V	-	-	-83.53	18.77	42.24	-53.02	-40.00	-13.02

Table 7-106. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 250 of 274

NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-77.81	3.89	33.08	-62.18	-25.00	-37.18
7560.0	V	289	218	-79.38	8.93	36.55	-58.71	-25.00	-33.71
10080.0	V	-	-	-83.07	13.17	37.10	-58.16	-25.00	-33.16
12600.0	V	-	-	-84.36	17.97	40.61	-54.65	-25.00	-29.65
15120.0	V	-	-	-84.68	20.67	42.99	-52.27	-25.00	-27.27

Table 7-107. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.83	3.99	33.16	-62.09	-25.00	-37.09
7605.0	H	-	-	-80.07	9.07	36.00	-59.25	-25.00	-34.25
10140.0	H	-	-	-83.04	13.37	37.33	-57.93	-25.00	-32.93

Table 7-108. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	-	-	-77.81	4.23	33.42	-61.84	-25.00	-36.84
7650.0	H	-	-	-80.15	8.86	35.71	-59.55	-25.00	-34.55
10200.0	H	-	-	-83.20	13.78	37.58	-57.68	-25.00	-32.68

Table 7-109. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R2.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 251 of 274

NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-79.72	7.60	34.88	-60.38	-25.00	-35.38
7638.0	V	269	31	-77.08	11.17	41.09	-54.17	-25.00	-29.17
10184.0	V	-	-	-81.72	14.24	39.52	-55.74	-25.00	-30.74
12730.0	V	-	-	-83.03	18.38	42.35	-52.91	-25.00	-27.91
15276.0	V	-	-	-82.67	20.90	45.23	-50.02	-25.00	-25.02

Table 7-110. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.89	7.62	34.73	-60.53	-25.00	-35.53
7779.0	V	287	61	-75.97	10.79	41.82	-53.44	-25.00	-28.44
10372.0	V	-	-	-81.92	14.80	39.88	-55.38	-25.00	-30.38
12965.0	V	-	-	-83.40	18.36	41.96	-53.29	-25.00	-28.29
15558.0	V	-	-	-83.56	21.82	45.26	-49.99	-25.00	-24.99

Table 7-111. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-79.75	7.43	34.68	-60.57	-25.00	-35.57
7920.0	V	290	348	-75.40	11.29	42.89	-52.37	-25.00	-27.37
10560.0	V	-	-	-81.82	14.86	40.04	-55.21	-25.00	-30.21
13200.0	V	-	-	-82.85	18.39	42.54	-52.72	-25.00	-27.72
15840.0	V	-	-	-83.41	21.66	45.25	-50.01	-25.00	-25.01

Table 7-112. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.50	3.94	33.44	-61.82	-25.00	-36.82
7530.0	V	-	-	-79.92	8.95	36.03	-59.23	-25.00	-34.23
10040.0	V	-	-	-82.37	13.28	37.91	-57.35	-25.00	-32.35

Table 7-113. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.30	3.99	33.69	-61.56	-25.00	-36.56
7605.0	V	-	-	-79.80	9.07	36.27	-58.98	-25.00	-33.98
10140.0	V	-	-	-82.83	13.37	37.54	-57.72	-25.00	-32.72

Table 7-114. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-77.50	4.41	33.91	-61.34	-25.00	-36.34
7680.0	V	-	-	-79.67	9.02	36.35	-58.91	-25.00	-33.91
10240.0	V	-	-	-82.87	14.22	38.35	-56.91	-25.00	-31.91

Table 7-115. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-79.22	7.58	35.36	-59.90	-25.00	-34.90
7518.0	V	-	-	-79.91	10.86	37.95	-57.31	-25.00	-32.31
10024.0	V	-	-	-80.89	13.71	39.82	-55.43	-25.00	-30.43

Table 7-116. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.98	7.66	34.68	-60.58	-25.00	-35.58
7779.0	V	-	-	-79.72	10.80	38.08	-57.18	-25.00	-32.18
10372.0	V	-	-	-81.04	14.81	40.77	-54.49	-25.00	-29.49

Table 7-117. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.18	8.32	36.14	-59.11	-25.00	-34.11
8040.0	V	-	-	-80.06	11.03	37.97	-57.29	-25.00	-32.29
10720.0	V	-	-	-81.13	15.87	41.74	-53.51	-25.00	-28.51

Table 7-118. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.4 Antenna 2b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-79.72	6.82	34.10	-61.15	-40.00	-21.15
6922.5	V	-	-	-80.56	10.30	36.74	-58.52	-40.00	-18.52
9230.0	V	-	-	-81.66	12.14	37.48	-57.78	-40.00	-17.78

Table 7-119. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.77	6.76	33.99	-61.27	-40.00	-21.27
6930.0	V	-	-	-80.52	10.26	36.74	-58.52	-40.00	-18.52
9240.0	V	-	-	-81.44	12.31	37.87	-57.38	-40.00	-17.38

Table 7-120. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-79.86	6.79	33.93	-61.33	-40.00	-21.33
6937.50	V	-	-	-80.42	10.24	36.82	-58.44	-40.00	-18.44
9250.00	V	-	-	-81.80	12.38	37.58	-57.68	-40.00	-17.68

Table 7-121. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-80.55	7.63	34.08	-61.18	-25.00	-36.18
7530.0	V	-	-	-81.40	10.98	36.58	-58.68	-25.00	-33.68
10040.0	V	-	-	-82.70	13.88	38.18	-57.08	-25.00	-32.08

Table 7-122. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-80.75	7.44	33.69	-61.57	-25.00	-36.57
7605.0	V	-	-	-81.15	10.90	36.75	-58.50	-25.00	-33.50
10140.0	V	-	-	-82.33	14.67	39.34	-55.91	-25.00	-30.91

Table 7-123. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-80.53	7.67	34.14	-61.12	-25.00	-36.12
7680.00	V	-	-	-80.67	10.32	36.65	-58.61	-25.00	-33.61
10240.00	V	-	-	-82.28	14.12	38.84	-56.41	-25.00	-31.41

Table 7-124. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-79.77	7.61	34.84	-60.42	-25.00	-35.42
7518.0	V	-	-	-83.16	10.90	34.74	-60.52	-25.00	-35.52
10024.0	V	-	-	-84.50	13.74	36.24	-59.02	-25.00	-34.02

Table 7-125. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.80	7.62	34.82	-60.44	-25.00	-35.44
7779.0	V	258	5	-70.84	10.79	46.95	-48.31	-25.00	-23.31
10372.0	V	-	-	-81.77	14.80	40.03	-55.23	-25.00	-30.23
12965.0	V	-	-	-83.31	18.36	42.05	-53.20	-25.00	-28.20
15558.0	V	-	-	-83.25	21.82	45.57	-49.68	-25.00	-24.68

Table 7-126. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.75	8.30	35.55	-59.70	-25.00	-34.70
8040.0	V	266	8	-74.30	10.99	43.69	-51.57	-25.00	-26.57
10720.0	V	-	-	-82.11	15.88	40.77	-54.48	-25.00	-29.48
13400.0	V	-	-	-82.87	18.38	42.51	-52.75	-25.00	-27.75
16080.0	V	-	-	-83.69	22.41	45.72	-49.53	-25.00	-24.53

Table 7-127. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-77.69	4.15	33.46	-61.80	-40.00	-21.80
6922.5	V	-	-	-79.88	8.46	35.58	-59.68	-40.00	-19.68
9230.0	V	-	-	-82.10	11.42	36.32	-58.94	-40.00	-18.94

Table 7-128. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-77.70	3.96	33.26	-61.99	-40.00	-21.99
6930.0	V	-	-	-79.77	8.37	35.60	-59.66	-40.00	-19.66
9240.0	V	-	-	-82.09	11.33	36.24	-59.02	-40.00	-19.02

Table 7-129. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	-	-	-77.71	3.92	33.21	-62.05	-40.00	-22.05
6937.5	V	-	-	-79.68	8.30	35.62	-59.64	-40.00	-19.64
9250.0	V	-	-	-82.05	11.27	36.22	-59.04	-40.00	-19.04

Table 7-130. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-77.65	3.89	33.24	-62.02	-25.00	-37.02
7560.0	V	-	-	-80.23	8.93	35.70	-59.56	-25.00	-34.56
10080.0	V	-	-	-83.13	13.17	37.04	-58.22	-25.00	-33.22

Table 7-131. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.86	3.99	33.13	-62.12	-25.00	-37.12
7605.0	V	-	-	-80.27	9.07	35.80	-59.45	-25.00	-34.45
10140.0	V	-	-	-83.23	13.37	37.14	-58.12	-25.00	-33.12

Table 7-132. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-77.69	4.23	33.54	-61.72	-25.00	-36.72
7650.0	V	-	-	-80.23	8.86	35.63	-59.63	-25.00	-34.63
10200.0	V	-	-	-83.32	13.78	37.46	-57.80	-25.00	-32.80

Table 7-133. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-80.04	7.60	34.56	-60.70	-25.00	-35.70
7638.0	V	-	-	-80.64	11.17	37.53	-57.73	-25.00	-32.73
10184.0	V	-	-	-81.86	14.24	39.38	-55.88	-25.00	-30.88

Table 7-134. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.99	7.62	34.63	-60.63	-25.00	-35.63
7779.0	V	-	-	-80.22	10.79	37.57	-57.69	-25.00	-32.69
10372.0	V	-	-	-81.84	14.80	39.96	-55.30	-25.00	-30.30

Table 7-135. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-79.68	7.43	34.75	-60.50	-25.00	-35.50
7920.0	V	-	-	-80.92	11.29	37.37	-57.89	-25.00	-32.89
10560.0	V	-	-	-81.99	14.86	39.87	-55.38	-25.00	-30.38

Table 7-136. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.78	3.94	33.16	-62.10	-25.00	-37.10
7530.0	V	-	-	-79.92	8.95	36.03	-59.23	-25.00	-34.23
10040.0	V	-	-	-82.66	13.28	37.62	-57.64	-25.00	-32.64

Table 7-137. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.43	3.99	33.56	-61.69	-25.00	-36.69
7605.0	V	-	-	-79.81	9.07	36.26	-58.99	-25.00	-33.99
10140.0	V	-	-	-82.82	13.37	37.55	-57.71	-25.00	-32.71

Table 7-138. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-77.53	4.41	33.88	-61.37	-25.00	-36.37
7680.0	H	119	240	-79.04	9.02	36.98	-58.28	-25.00	-33.28
10240.0	H	-	-	-82.99	14.22	38.23	-57.03	-25.00	-32.03
12800.0	H	-	-	-84.39	18.77	41.38	-53.87	-25.00	-28.87
15360.0	H	-	-	-84.00	20.60	43.60	-51.65	-25.00	-26.65

Table 7-139. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-79.35	7.58	35.23	-60.03	-25.00	-35.03
7518.0	V	-	-	-80.12	10.86	37.74	-57.52	-25.00	-32.52
10024.0	V	-	-	-80.92	13.71	39.79	-55.46	-25.00	-30.46

Table 7-140. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-79.25	7.66	35.41	-59.85	-25.00	-34.85
7779.0	V	288	5	-79.76	10.80	38.04	-57.22	-25.00	-32.22
10372.0	V	-	-	-81.02	14.81	40.79	-54.47	-25.00	-29.47
12965.0	V	-	-	-82.06	18.38	43.32	-51.94	-25.00	-26.94
15558.0	V	-	-	-82.38	21.84	46.46	-48.80	-25.00	-23.80

Table 7-141. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.11	8.32	36.21	-59.04	-25.00	-34.04
8040.0	V	252	25	-79.17	11.03	38.86	-56.40	-25.00	-31.40
10720.0	V	-	-	-80.87	15.87	42.00	-53.25	-25.00	-28.25
13400.0	V	-	-	-81.39	18.38	43.99	-51.27	-25.00	-26.27
16080.0	V	-	-	-82.52	22.40	46.88	-48.38	-25.00	-23.38

Table 7-142. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.8 Frequency Stability / Temperature Variation

§2.1055, §27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26 2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

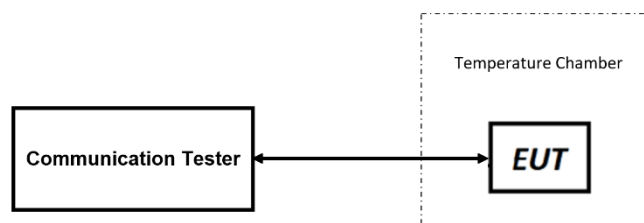



Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported.


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Frequency Stability / Temperature Variation

LTE Band 30							
		Low Channel Frequency (Hz):		2,307,500,000			
		High Channel Frequency (Hz):		2,312,500,000			
		Ref. Voltage (VDC):		3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,307,500,034	2,312,500,030	24	17	0.000010
		- 20	2,307,500,029	2,312,500,029	19	16	0.000008
		- 10	2,307,500,028	2,312,500,027	18	14	0.000008
		0	2,307,500,030	2,312,500,030	20	17	0.000009
		+ 10	2,307,500,019	2,312,500,035	9	22	0.000010
		+ 20 (Ref)	2,307,500,010	2,312,500,013	0	0	0.000000
		+ 30	2,307,500,022	2,312,500,033	12	20	0.000009
		+ 40	2,307,500,019	2,312,500,036	9	23	0.000010
		+ 50	2,307,500,028	2,312,500,030	18	17	0.000008
Battery Endpoint	3.23	+ 20	2,307,500,023	2,312,500,021	13	8	0.000006


Table 7-143. LTE Band 30 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 7							
		Low Channel Frequency (Hz):		2,510,000,000			
		High Channel Frequency (Hz):		2,560,000,000			
		Ref. Voltage (VDC):		3.8			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,510,000,032	2,560,000,030	12	16	0.000006
		- 20	2,510,000,040	2,560,000,027	20	13	0.000008
		- 10	2,510,000,027	2,560,000,026	7	12	0.000005
		0	2,510,000,033	2,560,000,038	13	24	0.000009
		+ 10	2,510,000,028	2,560,000,029	8	15	0.000006
		+ 20 (Ref)	2,510,000,020	2,560,000,014	0	0	0.000000
		+ 30	2,510,000,033	2,560,000,034	13	20	0.000008
		+ 40	2,510,000,037	2,560,000,037	17	23	0.000009
		+ 50	2,510,000,033	2,560,000,030	13	16	0.000006
Battery Endpoint	3.23	+ 20	2,510,000,033	2,560,000,029	13	15	0.000006


Table 7-144. LTE Band 7 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 41							
		Low Channel Frequency (Hz):		2,506,000,000			
		High Channel Frequency (Hz):		2,580,000,000			
		Ref. Voltage (VDC):		3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,506,000,029	2,580,000,037	19	19	0.000008
		- 20	2,506,000,018	2,580,000,030	8	12	0.000005
		- 10	2,506,000,027	2,580,000,032	17	14	0.000007
		0	2,506,000,030	2,580,000,039	20	21	0.000008
		+ 10	2,506,000,030	2,580,000,032	20	14	0.000008
		+ 20 (Ref)	2,506,000,010	2,580,000,018	0	0	0.000000
		+ 30	2,506,000,025	2,580,000,039	15	21	0.000008
		+ 40	2,506,000,032	2,580,000,027	22	9	0.000009
Battery Endpoint	3.23	+ 50	2,506,000,020	2,580,000,036	10	18	0.000007
		+ 20	2,506,000,028	2,580,000,038	18	20	0.000008


Table 7-145. LTE Band 41 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n30							
		Low Channel Frequency (Hz):		2,307,500,000			
		High Channel Frequency (Hz):		2,312,500,000			
		Ref. Voltage (VDC):		3.8			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,307,500,158	2,312,500,199	86	96	0.0000042
		- 20	2,307,500,179	2,312,500,202	107	99	0.0000046
		- 10	2,307,500,150	2,312,500,197	78	94	0.0000041
		0	2,307,500,172	2,312,500,191	100	88	0.0000043
		+ 10	2,307,500,152	2,312,500,200	80	97	0.0000042
		+ 20 (Ref)	2,307,500,072	2,312,500,103	0	0	0.0000000
		+ 30	2,307,500,162	2,312,500,185	90	82	0.0000039
		+ 40	2,307,500,151	2,312,500,176	79	73	0.0000034
Battery Endpoint	3.23	+ 50	2,307,500,173	2,312,500,210	101	107	0.0000046
		+ 20	2,307,500,176	2,312,500,201	104	98	0.0000045


Table 7-146. NR Band n30 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n7							
		Low Channel Frequency (Hz):		2,510,000,000			
		High Channel Frequency (Hz):		2,560,000,000			
		Ref. Voltage (VDC):		3.8			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,510,000,160	2,560,000,210	69	107	0.000042
		- 20	2,510,000,166	2,560,000,202	75	99	0.000039
		- 10	2,510,000,164	2,560,000,199	73	96	0.000037
		0	2,510,000,192	2,560,000,194	101	91	0.000040
		+ 10	2,510,000,194	2,560,000,179	103	76	0.000041
		+ 20 (Ref)	2,510,000,091	2,560,000,103	0	0	0.000000
		+ 30	2,510,000,197	2,560,000,199	106	96	0.000042
		+ 40	2,510,000,184	2,560,000,201	93	98	0.000038
Battery Endpoint	3.23	+ 50	2,510,000,174	2,560,000,202	83	99	0.000039
		+ 20	2,510,000,190	2,560,000,205	99	102	0.000040


Table 7-147. NR Band n7 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation


NR Band n41							
			Low Channel Frequency (Hz):		2,546,000,000		
			High Channel Frequency (Hz):		2,640,000,000		
			Ref. Voltage (VDC):		3.8		
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,546,000,192	2,640,000,159	95	73	0.0000037
		- 20	2,546,000,203	2,640,000,182	106	96	0.0000042
		- 10	2,546,000,182	2,640,000,175	85	89	0.0000034
		0	2,546,000,182	2,640,000,185	85	99	0.0000037
		+ 10	2,546,000,173	2,640,000,189	76	103	0.0000039
		+ 20 (Ref)	2,546,000,097	2,640,000,086	0	0	0.0000000
		+ 30	2,546,000,187	2,640,000,182	90	96	0.0000036
		+ 40	2,546,000,172	2,640,000,190	75	104	0.0000039
		+ 50	2,546,000,194	2,640,000,176	97	90	0.0000038
Battery Endpoint	3.23	+ 20	2,546,000,176	2,640,000,181	79	95	0.0000036

Table 7-148. NR Band n41PC2 Frequency Stability Data

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2435** complies with all the requirements of Part 27 of the FCC rules.

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9.0 APPENDIX A

Antenna gains provided by manufacturer.

Band	Horizontal (dBi)	Vertical (dBi)
B1	1.3	1.1
B2	1.5	1.3
B3	0.5	-0.5
B5	-3.1	-2.6
B7	-3.1	-0.3
B8	-1.7	-2.8
B11	-1.1	-4
B13	-1.5	-1.9
B17	-2.4	-1.9
B20	-3.4	-2.6
B21	-1.4	-3.9
B28	-2.5	-1.9
B30	-2.8	-2.1
B34	-3.1	-0.8
B39	1.5	0.8
B40	-2.6	-2.1
B41	-3.2	-0.4
B42	-1.2	-3.4
B48	-1.2	-3.5
B66	0.4	-0.9
B71	-1.9	-2.1
n41	-3.2	-0.4
n70	-1.6	-1.9
n77	-0.6	-2.6
n78	-2.9	-2.6
n79	0.1	-0.3


Table 9-1. Cellular Antenna Gain (ANT 1); Type IFA

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Band	Horizontal (dBi)	Vertical (dBi)
B1	0.6	0.6
B2	1.4	0.5
B3	2.1	0.7
B5	-3.3	-1.3
B7	-3.1	-2.7
B8	-2.2	-3.2
B11	0.1	-2.3
B13	-2.7	-3
B17	-2.5	-2.3
B20	-2.6	-1.7
B21	0.2	-1.9
B28	-2.2	-1.1
B30	-4.1	-3.8
B34	-1.62	0.31
B39	-1.4	0.6
B40	-5.5	-1.2
B41	-5.6	-2.7
B42	-1.5	-0.1
B48	-1.5	0
B66	2.3	0.8
B71	-3.1	-3.6
n41	-8.8	-2.7
n70	2	0.7
n77	-1.8	-0.1
n78	-1	0.6
n79	-2.9	-0.6

Table 9-2. Cellular Antenna Gain (ANT 3); Type IFA

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Band	Horizontal (dBi)	Vertical (dBi)
B1	-3.5	-1.3
B2	-3.4	-2.7
B3	-3.7	-3.2
B7	-1.5	0.2
B30	-2.6	-0.3
B39	-3.7	-3
B40	-2.6	0.3
B41	-1.9	-0.4
B42	-2.6	-1
B48	-2.5	-1.6
B66	-3.4	-3.1
n41	-1.9	-0.4
n70	-3.4	-3.1
n77	-1.5	-2.6
n78	-1.6	-2.6
n79	0.1	0.3

Table 9-3. Cellular Antenna Gain (ANT 4b); Type IFA

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Band	Horizontal (dBi)	Vertical (dBi)
B1	-3.3	-2.9
B2	-4.9	-4
B3	-4.5	-5
B7	0	-0.1
B30	-0.6	0.7
B39	-4.7	-4.3
B40	-0.3	1.1
B41	-0.3	-0.8
B66	-4.6	-5.5
n41	-0.3	-0.8
n70	-4.9	-4.9

Table 9-4. Cellular Antenna Gain (ANT 2b); Type IFA

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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