

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	3710.01	2.20	1 / 37	26.52	28.72	0.745	33.01	-4.29
		3840.00	2.20	1 / 13	26.50	28.70	0.742	33.01	-4.31
		3969.99	2.20	1 / 13	26.71	28.91	0.778	33.01	-4.10
	QPSK	3710.01	2.20	1 / 13	26.80	29.00	0.794	33.01	-4.01
		3840.00	2.20	1 / 25	26.52	28.72	0.745	33.01	-4.29
		3969.99	2.20	1 / 37	26.76	28.96	0.787	33.01	-4.05
	16-QAM	3969.99	2.20	1 / 37	25.10	27.30	0.537	33.01	-5.71
	64-QAM	3840.00	2.20	1 / 25	24.19	26.39	0.435	33.01	-6.62
	256-QAM	3710.01	2.20	1 / 25	22.62	24.82	0.304	33.01	-8.19
	π/2 BPSK	3715.02	2.20	1 / 19	26.34	28.54	0.714	33.01	-4.47
		3840.00	2.20	1 / 39	26.34	28.54	0.715	33.01	-4.47
		3964.98	2.20	1 / 19	26.80	29.00	0.794	33.01	-4.01
30 MHz	QPSK	3715.02	2.20	1 / 58	26.13	28.33	0.681	33.01	-4.68
		3840.00	2.20	1 / 58	26.55	28.75	0.749	33.01	-4.26
		3964.98	2.20	1 / 19	26.37	28.57	0.719	33.01	-4.44
	16-QAM	3964.98	2.20	1 / 58	24.94	27.14	0.518	33.01	-5.87
	64-QAM	3964.98	2.20	1 / 19	23.89	26.09	0.407	33.01	-6.92
	256-QAM	3964.98	2.20	1 / 58	22.50	24.70	0.295	33.01	-8.31
	π/2 BPSK	3720.00	2.20	1 / 53	26.33	28.53	0.713	33.01	-4.48
		3840.00	2.20	1 / 79	26.42	28.62	0.727	33.01	-4.39
		3960.00	2.20	1 / 79	26.80	29.00	0.794	33.01	-4.01
	QPSK	3720.00	2.20	1 / 79	26.49	28.69	0.739	33.01	-4.32
		3840.00	2.20	1 / 79	26.67	28.87	0.772	33.01	-4.14
		3960.00	2.20	1 / 26	26.72	28.92	0.780	33.01	-4.09
40 MHz	16-QAM	3960.00	2.20	1 / 79	25.29	27.49	0.561	33.01	-5.52
	64-QAM	3960.00	2.20	1 / 79	24.06	26.26	0.422	33.01	-6.75
	256-QAM	3960.00	2.20	1 / 79	22.69	24.89	0.308	33.01	-8.12
	π/2 BPSK	3725.01	2.20	1 / 99	26.62	28.82	0.763	33.01	-4.19
		3840.00	2.20	1 / 99	26.73	28.93	0.781	33.01	-4.08
		3954.99	2.20	1 / 66	26.37	28.57	0.720	33.01	-4.44
	QPSK	3725.01	2.20	1 / 99	26.49	28.69	0.740	33.01	-4.32
		3840.00	2.20	1 / 33	26.67	28.87	0.771	33.01	-4.14
		3954.99	2.20	1 / 99	26.80	29.00	0.794	33.01	-4.01
	16-QAM	3725.01	2.20	1 / 33	25.92	28.12	0.649	33.01	-4.89
	64-QAM	3954.99	2.20	1 / 99	25.08	27.28	0.535	33.01	-5.73
	256-QAM	3840.00	2.20	1 / 66	23.41	25.61	0.364	33.01	-7.40
50 MHz	π/2 BPSK	3730.02	2.20	1 / 121	26.80	29.00	0.794	33.01	-4.01
		3840.00	2.20	1 / 121	26.54	28.74	0.748	33.01	-4.27
		3949.98	2.20	1 / 81	26.30	28.50	0.708	33.01	-4.51
	QPSK	3730.02	2.20	1 / 121	26.38	28.58	0.721	33.01	-4.43
		3840.00	2.20	1 / 121	26.74	28.94	0.783	33.01	-4.07
		3949.98	2.20	1 / 81	26.58	28.78	0.756	33.01	-4.23
	16-QAM	3730.02	2.20	1 / 40	25.00	27.20	0.524	33.01	-5.81
	64-QAM	3949.98	2.20	1 / 121	24.13	26.33	0.430	33.01	-6.68
	256-QAM	3730.02	2.20	1 / 40	22.72	24.92	0.310	33.01	-8.09
	π/2 BPSK	3735.00	2.20	1 / 141	26.72	28.92	0.781	33.01	-4.09
		3840.00	2.20	1 / 47	26.73	28.93	0.782	33.01	-4.08
		3945.00	2.20	1 / 47	26.47	28.67	0.736	33.01	-4.34
60 MHz	QPSK	3735.00	2.20	1 / 47	26.68	28.88	0.772	33.01	-4.13
		3840.00	2.20	1 / 47	26.80	29.00	0.794	33.01	-4.01
		3945.00	2.20	1 / 141	26.61	28.81	0.760	33.01	-4.20
	16-QAM	3840.00	2.20	1 / 94	25.23	27.43	0.553	33.01	-5.58
	64-QAM	3735.00	2.20	1 / 141	23.97	26.17	0.414	33.01	-6.84
	256-QAM	3735.00	2.20	1 / 141	22.37	24.57	0.286	33.01	-8.44
	π/2 BPSK	3740.01	2.20	1 / 54	26.38	28.58	0.721	33.01	-4.43
		3840.00	2.20	1 / 54	26.67	28.87	0.771	33.01	-4.14
		3939.99	2.20	1 / 108	26.26	28.46	0.702	33.01	-4.55
70 MHz	QPSK	3740.01	2.20	1 / 162	26.43	28.63	0.730	33.01	-4.38
		3840.00	2.20	1 / 108	26.80	29.00	0.794	33.01	-4.01
		3939.99	2.20	1 / 108	26.70	28.90	0.776	33.01	-4.11
	16-QAM	3740.01	2.20	1 / 162	24.85	27.05	0.507	33.01	-5.96
	64-QAM	3939.99	2.20	1 / 54	24.03	26.23	0.420	33.01	-6.78
	256-QAM	3939.99	2.20	1 / 108	22.24	24.44	0.278	33.01	-8.57
	π/2 BPSK	3745.02	2.20	1 / 183	26.61	28.81	0.761	33.01	-4.20
		3840.00	2.20	1 / 122	26.63	28.83	0.763	33.01	-4.18
		3934.98	2.20	1 / 61	26.61	28.81	0.761	33.01	-4.20
80 MHz	QPSK	3745.02	2.20	1 / 183	26.60	28.80	0.758	33.01	-4.21
		3840.00	2.20	1 / 61	26.80	29.00	0.794	33.01	-4.01
		3934.98	2.20	1 / 183	26.64	28.84	0.766	33.01	-4.17
	16-QAM	3740.01	2.20	1 / 162	24.85	27.05	0.507	33.01	-5.96
	64-QAM	3939.98	2.20	1 / 61	24.48	26.68	0.465	33.01	-6.33
	256-QAM	3840.00	2.20	1 / 61	22.64	24.84	0.305	33.01	-8.17
	π/2 BPSK	3750.00	2.20	1 / 204	26.29	28.49	0.707	33.01	-4.52
		3840.00	2.20	1 / 68	26.36	28.56	0.718	33.01	-4.45
		3930.00	2.20	1 / 204	26.43	28.63	0.730	33.01	-4.38
90 MHz	QPSK	3750.00	2.20	1 / 68	26.34	28.54	0.714	33.01	-4.47
		3840.00	2.20	1 / 68	26.80	29.00	0.794	33.01	-4.01
		3930.00	2.20	1 / 204	26.45	28.65	0.733	33.01	-4.36
	16-QAM	3930.00	2.20	1 / 68	24.89	27.09	0.512	33.01	-5.92
	64-QAM	3840.00	2.20	1 / 204	23.87	26.07	0.404	33.01	-6.94
	256-QAM	3840.00	2.20	1 / 136	22.24	24.44	0.278	33.01	-8.57

Table 7-4. Antenna 3B EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 146 of 176

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	3710.01	2.20	1 / 25	25.40	27.60	0.575	33.01	-5.41
		3840.00	2.20	1 / 25	25.56	27.76	0.597	33.01	-5.25
		3969.99	2.20	1 / 25	25.70	27.90	0.616	33.01	-5.11
	QPSK	3710.01	2.20	1 / 37	25.69	27.89	0.615	33.01	-5.12
		3840.00	2.20	1 / 37	25.70	27.90	0.617	33.01	-5.11
		3969.99	2.20	1 / 13	25.39	27.59	0.574	33.01	-5.42
	16-QAM	3840.00	2.20	1 / 37	24.59	26.79	0.478	33.01	-6.22
		3840.00	2.20	1 / 37	23.30	25.50	0.354	33.01	-7.52
		3840.00	2.20	1 / 37	21.46	23.86	0.233	33.01	-9.35
	30 MHz	3715.02	2.20	1 / 19	25.46	27.66	0.583	33.01	-5.35
		3840.00	2.20	1 / 58	25.48	27.68	0.586	33.01	-5.33
		3964.98	2.20	1 / 58	25.44	27.64	0.581	33.01	-5.37
40 MHz	π/2 BPSK	3715.02	2.20	1 / 58	25.70	27.90	0.617	33.01	-5.11
		3840.00	2.20	1 / 58	25.59	27.79	0.601	33.01	-5.22
		3964.98	2.20	1 / 39	25.54	27.74	0.594	33.01	-5.27
	QPSK	3840.00	2.20	1 / 19	24.55	26.75	0.473	33.01	-6.26
		3840.00	2.20	1 / 19	23.26	25.46	0.352	33.01	-7.55
		3840.00	2.20	1 / 58	20.97	23.17	0.208	33.01	-9.84
	16-QAM	3720.00	2.20	1 / 79	25.20	27.40	0.550	33.01	-5.61
		3840.00	2.20	1 / 79	25.51	27.71	0.590	33.01	-5.30
		3960.00	2.20	1 / 79	25.03	27.23	0.528	33.01	-5.78
	64-QAM	3720.00	2.20	1 / 26	25.15	27.35	0.544	33.01	-5.66
		3840.00	2.20	1 / 26	25.70	27.90	0.617	33.01	-5.11
		3960.00	2.20	1 / 79	25.10	27.30	0.537	33.01	-5.71
50 MHz	256-QAM	3720.00	2.20	1 / 26	24.03	26.23	0.420	33.01	-6.78
		3960.00	2.20	1 / 26	22.60	24.80	0.302	33.01	-8.21
		3840.00	2.20	1 / 26	20.51	22.71	0.187	33.01	-10.30
	π/2 BPSK	3725.01	2.20	1 / 33	25.42	27.62	0.577	33.01	-5.39
		3840.00	2.20	1 / 66	25.39	27.59	0.574	33.01	-5.42
		3954.99	2.20	1 / 99	25.67	27.87	0.613	33.01	-5.14
	QPSK	3725.01	2.20	1 / 66	25.43	27.63	0.579	33.01	-5.38
		3840.00	2.20	1 / 66	25.70	27.90	0.617	33.01	-5.11
		3954.99	2.20	1 / 33	25.36	27.56	0.570	33.01	-5.45
	16-QAM	3840.00	2.20	1 / 66	24.17	26.37	0.433	33.01	-6.64
		3840.00	2.20	1 / 99	22.97	25.17	0.329	33.01	-7.84
		3840.00	2.20	1 / 99	20.71	22.91	0.195	33.01	-10.10
60 MHz	π/2 BPSK	3730.02	2.20	1 / 121	25.70	27.90	0.617	33.01	-5.11
		3840.00	2.20	1 / 121	25.51	27.71	0.590	33.01	-5.30
		3949.98	2.20	1 / 40	25.52	27.72	0.591	33.01	-5.30
	QPSK	3730.02	2.20	1 / 121	25.51	27.71	0.590	33.01	-5.30
		3840.00	2.20	1 / 121	25.54	27.74	0.594	33.01	-5.27
		3949.98	2.20	1 / 81	25.40	27.60	0.576	33.01	-5.41
	16-QAM	3730.02	2.20	1 / 81	24.24	26.44	0.441	33.01	-6.57
		3730.02	2.20	1 / 121	22.75	24.95	0.313	33.01	-8.06
		3840.00	2.20	1 / 81	20.99	23.19	0.208	33.01	-9.82
	256-QAM	3735.00	2.20	1 / 141	25.34	27.54	0.568	33.01	-5.47
		3840.00	2.20	1 / 141	25.70	27.90	0.617	33.01	-5.11
		3945.00	2.20	1 / 94	25.49	27.69	0.588	33.01	-5.32
70 MHz	QPSK	3735.00	2.20	1 / 141	25.48	27.68	0.586	33.01	-5.33
		3840.00	2.20	1 / 141	25.65	27.85	0.610	33.01	-5.16
		3945.00	2.20	1 / 47	25.50	27.70	0.588	33.01	-5.31
	16-QAM	3735.00	2.20	1 / 94	24.40	26.60	0.457	33.01	-6.41
		3840.00	2.20	1 / 141	23.11	25.31	0.340	33.01	-7.70
		3840.00	2.20	1 / 141	21.45	23.65	0.231	33.01	-9.37
	π/2 BPSK	3740.01	2.20	1 / 108	25.21	27.41	0.551	33.01	-5.60
		3840.00	2.20	1 / 108	25.70	27.90	0.617	33.01	-5.11
		3939.99	2.20	1 / 162	25.41	27.61	0.577	33.01	-5.40
80 MHz	QPSK	3740.01	2.20	1 / 162	25.42	27.62	0.579	33.01	-5.39
		3840.00	2.20	1 / 108	25.57	27.77	0.599	33.01	-5.24
		3939.99	2.20	1 / 108	25.46	27.66	0.584	33.01	-5.35
	16-QAM	3740.01	2.20	1 / 54	24.30	26.50	0.446	33.01	-6.51
		3840.00	2.20	1 / 54	23.00	25.20	0.331	33.01	-7.81
		3840.00	2.20	1 / 54	21.22	23.42	0.220	33.01	-9.59
	256-QAM	3745.02	2.20	1 / 61	25.46	27.66	0.584	33.01	-5.35
		3840.00	2.20	1 / 61	25.70	27.90	0.617	33.01	-5.11
		3934.98	2.20	1 / 183	25.66	27.86	0.610	33.01	-5.15
90 MHz	QPSK	3745.02	2.20	1 / 183	25.41	27.61	0.576	33.01	-5.40
		3840.00	2.20	1 / 122	25.60	27.80	0.602	33.01	-5.21
		3934.98	2.20	1 / 183	25.24	27.44	0.555	33.01	-5.57
	16-QAM	3934.98	2.20	1 / 61	24.45	26.65	0.463	33.01	-6.36
		3934.98	2.20	1 / 61	23.02	25.22	0.333	33.01	-7.79
		3840.00	2.20	1 / 183	20.81	23.01	0.200	33.01	-10.00
	256-QAM	3750.00	2.20	1 / 68	25.60	27.80	0.603	33.01	-5.21
		3840.00	2.20	1 / 136	25.66	27.86	0.612	33.01	-5.15
		3930.00	2.20	1 / 68	25.63	27.83	0.606	33.01	-5.19
100 MHz	QPSK	3750.00	2.20	1 / 204	25.59	27.79	0.601	33.01	-5.22
		3840.00	2.20	1 / 136	25.70	27.90	0.617	33.01	-5.11
		3930.00	2.20	1 / 136	25.54	27.74	0.594	33.01	-5.27
	16-QAM	3750.00	2.20	1 / 68	24.76	26.96	0.497	33.01	-6.05
		3840.00	2.20	1 / 136	23.07	25.27	0.337	33.01	-7.74
		3840.00	2.20	1 / 68	21.18	23.38	0.218	33.01	-9.63

Table 7-5. Antenna 3B EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device				

7.6.2 Antenna 2A – EIRP

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	3460.02	1.10	1 / 13	22.54	23.64	0.231	33.01	-9.37	
		3500.01	1.10	1 / 25	22.70	23.80	0.240	33.01	-9.21	
		3540.00	1.10	1 / 25	22.56	23.66	0.232	33.01	-9.35	
	QPSK	3460.02	1.10	1 / 13	22.67	23.77	0.238	33.01	-9.24	
		3500.01	1.10	1 / 25	22.55	23.65	0.232	33.01	-9.36	
		3540.00	1.10	1 / 25	22.57	23.67	0.233	33.01	-9.34	
	16-QAM	3540.00	1.10	1 / 13	21.87	22.97	0.198	33.01	-10.04	
	64-QAM	3500.01	1.10	1 / 13	20.49	21.59	0.144	33.01	-11.42	
	256-QAM	3500.01	1.10	1 / 37	18.62	19.72	0.094	33.01	-13.29	
	π/2 BPSK	3465.00	1.10	1 / 19	22.33	23.43	0.220	33.01	-9.59	
		3500.01	1.10	1 / 58	22.69	23.79	0.240	33.01	-9.22	
		3534.99	1.10	1 / 39	22.70	23.80	0.240	33.01	-9.21	
30 MHz	QPSK	3465.00	1.10	1 / 19	22.25	23.35	0.217	33.01	-9.66	
		3500.01	1.10	1 / 19	22.29	23.39	0.218	33.01	-9.62	
		3534.99	1.10	1 / 58	22.56	23.66	0.232	33.01	-9.35	
	16-QAM	3465.00	1.10	1 / 39	20.95	22.05	0.160	33.01	-10.96	
	64-QAM	3534.99	1.10	1 / 19	20.35	21.45	0.139	33.01	-11.57	
	256-QAM	3465.00	1.10	1 / 19	18.44	19.54	0.090	33.01	-13.47	
	π/2 BPSK	3470.01	1.10	1 / 79	22.69	23.79	0.239	33.01	-9.22	
		3500.01	1.10	1 / 26	22.59	23.69	0.234	33.01	-9.32	
		3529.98	1.10	1 / 26	22.58	23.68	0.233	33.01	-9.33	
	QPSK	3470.01	1.10	1 / 79	22.48	23.58	0.228	33.01	-9.43	
		3500.01	1.10	1 / 79	22.52	23.62	0.230	33.01	-9.39	
		3529.98	1.10	1 / 79	22.70	23.80	0.240	33.01	-9.21	
40 MHz	16-QAM	3470.01	1.10	1 / 79	21.91	23.01	0.200	33.01	-10.00	
	64-QAM	3529.98	1.10	1 / 79	20.61	21.71	0.148	33.01	-11.30	
	256-QAM	3529.98	1.10	1 / 26	18.48	19.58	0.091	33.01	-13.43	
	π/2 BPSK	3475.02	1.10	1 / 33	22.11	23.21	0.209	33.01	-9.80	
		3500.01	1.10	1 / 99	22.52	23.62	0.230	33.01	-9.39	
		3525.00	1.10	1 / 99	22.49	23.59	0.229	33.01	-9.42	
	QPSK	3475.02	1.10	1 / 33	22.36	23.46	0.222	33.01	-9.55	
		3500.01	1.10	1 / 99	22.41	23.51	0.225	33.01	-9.50	
		3525.00	1.10	1 / 99	22.70	23.80	0.240	33.01	-9.21	
	16-QAM	3475.02	1.10	1 / 66	21.47	22.57	0.181	33.01	-10.44	
	64-QAM	3525.00	1.10	1 / 33	20.11	21.21	0.132	33.01	-11.80	
	256-QAM	3475.02	1.10	1 / 33	18.19	19.29	0.085	33.01	-13.72	
50 MHz	π/2 BPSK	3480.00	1.10	1 / 40	22.65	23.75	0.237	33.01	-9.26	
		3500.01	1.10	1 / 81	22.43	23.53	0.225	33.01	-9.48	
		3519.99	1.10	1 / 40	22.64	23.74	0.237	33.01	-9.27	
	QPSK	3480.00	1.10	1 / 40	22.51	23.61	0.230	33.01	-9.40	
		3500.01	1.10	1 / 81	22.70	23.80	0.240	33.01	-9.21	
		3519.99	1.10	1 / 40	22.45	23.55	0.226	33.01	-9.46	
	16-QAM	3500.01	1.10	1 / 121	21.77	22.87	0.194	33.01	-10.14	
	64-QAM	3519.99	1.10	1 / 121	20.22	21.32	0.135	33.01	-11.69	
	256-QAM	3480.00	1.10	1 / 81	18.44	19.54	0.090	33.01	-13.47	
	π/2 BPSK	3485.01	1.10	1 / 94	22.50	23.60	0.229	33.01	-9.41	
		3500.01	1.10	1 / 94	22.70	23.80	0.240	33.01	-9.21	
		3514.98	1.10	1 / 47	22.47	23.57	0.228	33.01	-9.44	
60 MHz	QPSK	3485.01	1.10	1 / 141	22.50	23.60	0.229	33.01	-9.41	
		3500.01	1.10	1 / 141	22.50	23.60	0.229	33.01	-9.41	
		3514.98	1.10	1 / 47	22.51	23.61	0.229	33.01	-9.40	
	16-QAM	3514.98	1.10	1 / 47	21.60	22.70	0.186	33.01	-10.31	
	64-QAM	3485.01	1.10	1 / 94	20.39	21.49	0.141	33.01	-11.52	
	256-QAM	3514.98	1.10	1 / 47	18.21	19.31	0.085	33.01	-13.70	
	π/2 BPSK	3490.02	1.10	1 / 108	22.18	23.28	0.213	33.01	-9.73	
		3500.01	1.10	1 / 162	22.37	23.47	0.222	33.01	-9.54	
		3510.00	1.10	1 / 54	22.15	23.25	0.211	33.01	-9.76	
70 MHz	QPSK	3490.02	1.10	1 / 108	22.42	23.52	0.225	33.01	-9.49	
		3500.01	1.10	1 / 54	22.70	23.80	0.240	33.01	-9.21	
		3514.98	1.10	1 / 47	22.51	23.61	0.229	33.01	-9.40	
	16-QAM	3485.01	1.10	1 / 141	22.50	23.60	0.229	33.01	-9.41	
	64-QAM	3500.01	1.10	1 / 141	22.50	23.60	0.229	33.01	-9.41	
	256-QAM	3485.01	1.10	1 / 47	21.60	22.70	0.186	33.01	-10.31	
	π/2 BPSK	3495.00	1.10	1 / 61	22.53	23.63	0.231	33.01	-9.38	
		3500.01	1.10	1 / 61	22.48	23.58	0.228	33.01	-9.43	
		3504.99	1.10	1 / 122	22.43	23.53	0.225	33.01	-9.48	
90 MHz	QPSK	3495.00	1.10	1 / 122	22.32	23.42	0.220	33.01	-9.59	
		3500.01	1.10	1 / 183	22.65	23.75	0.237	33.01	-9.26	
		3504.99	1.10	1 / 61	22.70	23.80	0.240	33.01	-9.21	
	16-QAM	3504.99	1.10	1 / 61	22.28	23.38	0.218	33.01	-9.63	
	64-QAM	3500.01	1.10	1 / 61	20.39	21.49	0.141	33.01	-11.52	
	256-QAM	3504.99	1.10	1 / 61	18.47	19.57	0.091	33.01	-13.44	
	π/2 BPSK	3500.01	1.10	1 / 68	22.70	23.80	0.240	33.01	-9.21	
		QPSK	3500.01	1.10	1 / 68	22.27	23.37	0.217	33.01	-9.64
		16-QAM	3500.01	1.10	1 / 68	20.97	22.07	0.161	33.01	-10.94
100 MHz	64-QAM	3500.01	1.10	1 / 68	19.92	21.02	0.126	33.01	-11.99	
	256-QAM	3500.01	1.10	1 / 68	18.02	19.12	0.082	33.01	-13.89	

Table 7-6. Antenna 2A EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 148 of 176

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	3460.02	1.10	1 / 37	22.34	23.44	0.221	33.01	-9.57	
		3500.01	1.10	1 / 37	22.36	23.46	0.222	33.01	-9.55	
		3540.00	1.10	1 / 37	22.57	23.67	0.233	33.01	-9.34	
	QPSK	3460.02	1.10	1 / 37	22.54	23.64	0.231	33.01	-9.37	
		3500.01	1.10	1 / 13	22.70	23.80	0.240	33.01	-9.21	
		3540.00	1.10	1 / 13	22.54	23.64	0.231	33.01	-9.37	
	16-QAM	3540.00	1.10	1 / 25	22.06	23.16	0.207	33.01	-9.85	
	64-QAM	3500.01	1.10	1 / 37	20.42	21.52	0.142	33.01	-11.49	
	256-QAM	3460.02	1.10	1 / 37	18.19	19.29	0.085	33.01	-13.72	
	π/2 BPSK	3465.00	1.10	1 / 19	22.70	23.80	0.240	33.01	-9.21	
		3500.01	1.10	1 / 19	22.48	23.58	0.228	33.01	-9.43	
		3534.99	1.10	1 / 19	22.69	23.79	0.239	33.01	-9.22	
30 MHz	QPSK	3465.00	1.10	1 / 19	22.53	23.63	0.231	33.01	-9.38	
		3500.01	1.10	1 / 39	22.62	23.72	0.236	33.01	-9.29	
		3534.99	1.10	1 / 19	22.47	23.57	0.228	33.01	-9.44	
	16-QAM	3500.01	1.10	1 / 58	21.48	22.58	0.181	33.01	-10.43	
	64-QAM	3465.00	1.10	1 / 39	20.13	21.23	0.133	33.01	-11.79	
	256-QAM	3465.00	1.10	1 / 39	18.11	19.21	0.083	33.01	-13.80	
	π/2 BPSK	3470.01	1.10	1 / 26	22.15	23.25	0.212	33.01	-9.76	
		3500.01	1.10	1 / 53	22.45	23.55	0.227	33.01	-9.46	
		3529.98	1.10	1 / 79	22.55	23.65	0.232	33.01	-9.36	
	QPSK	3470.01	1.10	1 / 79	22.62	23.72	0.236	33.01	-9.29	
		3500.01	1.10	1 / 79	22.63	23.73	0.236	33.01	-9.28	
		3529.98	1.10	1 / 79	22.70	23.80	0.240	33.01	-9.21	
40 MHz	16-QAM	3529.98	1.10	1 / 26	21.85	22.95	0.197	33.01	-10.06	
	64-QAM	3500.01	1.10	1 / 26	20.39	21.49	0.141	33.01	-11.52	
	256-QAM	3529.98	1.10	1 / 26	18.29	19.39	0.087	33.01	-13.62	
	π/2 BPSK	3475.02	1.10	1 / 66	22.06	23.16	0.207	33.01	-9.85	
		3500.01	1.10	1 / 99	22.16	23.26	0.212	33.01	-9.75	
		3525.00	1.10	1 / 33	22.26	23.36	0.217	33.01	-9.65	
	QPSK	3475.02	1.10	1 / 99	22.34	23.44	0.221	33.01	-9.57	
		3500.01	1.10	1 / 99	22.70	23.80	0.240	33.01	-9.21	
		3525.00	1.10	1 / 33	22.24	23.34	0.216	33.01	-9.67	
	16-QAM	3475.02	1.10	1 / 33	21.51	22.61	0.182	33.01	-10.40	
	64-QAM	3525.00	1.10	1 / 33	20.20	21.30	0.135	33.01	-11.71	
	256-QAM	3475.02	1.10	1 / 33	17.77	18.87	0.077	33.01	-14.14	
50 MHz	π/2 BPSK	3480.00	1.10	1 / 121	22.43	23.53	0.226	33.01	-9.48	
		3500.01	1.10	1 / 81	22.44	23.54	0.226	33.01	-9.48	
		3519.99	1.10	1 / 40	22.45	23.55	0.226	33.01	-9.46	
	QPSK	3480.00	1.10	1 / 81	22.70	23.80	0.240	33.01	-9.21	
		3500.01	1.10	1 / 40	22.48	23.58	0.228	33.01	-9.43	
		3519.99	1.10	1 / 81	22.46	23.56	0.227	33.01	-9.45	
	16-QAM	3480.00	1.10	1 / 81	21.61	22.71	0.187	33.01	-10.30	
	64-QAM	3480.00	1.10	1 / 81	20.22	21.32	0.135	33.01	-11.69	
	256-QAM	3480.00	1.10	1 / 121	18.17	19.27	0.085	33.01	-13.74	
	π/2 BPSK	3485.01	1.10	1 / 47	22.31	23.41	0.219	33.01	-9.60	
		3500.01	1.10	1 / 94	22.37	23.47	0.223	33.01	-9.54	
		3514.98	1.10	1 / 47	22.53	23.63	0.231	33.01	-9.38	
60 MHz	QPSK	3485.01	1.10	1 / 47	22.32	23.42	0.220	33.01	-9.59	
		3500.01	1.10	1 / 141	22.70	23.80	0.240	33.01	-9.21	
		3514.98	1.10	1 / 47	22.60	23.70	0.235	33.01	-9.31	
	16-QAM	3485.01	1.10	1 / 47	22.01	23.11	0.205	33.01	-9.90	
	64-QAM	3485.01	1.10	1 / 47	20.41	21.51	0.142	33.01	-11.50	
	256-QAM	3500.01	1.10	1 / 94	18.49	19.59	0.091	33.01	-13.42	
	π/2 BPSK	3490.02	1.10	1 / 108	22.47	23.57	0.228	33.01	-9.44	
		3500.01	1.10	1 / 54	22.37	23.47	0.222	33.01	-9.54	
		3510.00	1.10	1 / 108	22.53	23.63	0.231	33.01	-9.38	
70 MHz	QPSK	3490.02	1.10	1 / 162	22.69	23.79	0.239	33.01	-9.22	
		3500.01	1.10	1 / 162	22.70	23.80	0.240	33.01	-9.21	
		3510.00	1.10	1 / 54	22.54	23.64	0.231	33.01	-9.37	
	16-QAM	3490.02	1.10	1 / 54	21.56	22.66	0.185	33.01	-10.35	
	64-QAM	3510.00	1.10	1 / 54	20.29	21.39	0.138	33.01	-11.62	
	256-QAM	3500.01	1.10	1 / 54	18.43	19.53	0.090	33.01	-13.48	
	π/2 BPSK	3495.00	1.10	1 / 122	22.41	23.51	0.224	33.01	-9.50	
		3500.01	1.10	1 / 61	22.57	23.67	0.233	33.01	-9.34	
		3504.99	1.10	1 / 122	22.62	23.72	0.236	33.01	-9.29	
80 MHz	QPSK	3495.00	1.10	1 / 122	22.48	23.58	0.228	33.01	-9.43	
		3500.01	1.10	1 / 61	22.58	23.68	0.234	33.01	-9.33	
		3504.99	1.10	1 / 61	22.70	23.80	0.240	33.01	-9.21	
	16-QAM	3504.99	1.10	1 / 122	22.06	23.16	0.207	33.01	-9.85	
	64-QAM	3500.01	1.10	1 / 61	20.53	21.63	0.145	33.01	-11.38	
	256-QAM	3495.00	1.10	1 / 183	18.28	19.38	0.087	33.01	-13.63	
	π/2 BPSK	3500.01	1.10	1 / 136	22.70	23.80	0.240	33.01	-9.21	
		QPSK	3500.01	1.10	1 / 204	22.67	23.77	0.238	33.01	-9.24
		16-QAM	3500.01	1.10	1 / 68	21.36	22.46	0.176	33.01	-10.55
90 MHz	64-QAM	3500.01	1.10	1 / 68	20.40	21.50	0.141	33.01	-11.51	
	256-QAM	3500.01	1.10	1 / 68	18.28	19.38	0.087	33.01	-13.63	
100 MHz										

Table 7-7. Antenna 2A EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 149 of 176

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	3710.01	1.10	1 / 13	22.09	23.19	0.209	33.01	-9.82
		3840.00	1.10	1 / 37	22.56	23.66	0.232	33.01	-9.35
		3969.99	1.10	1 / 25	22.58	23.68	0.233	33.01	-9.33
	QPSK	3710.01	1.10	1 / 13	22.27	23.37	0.217	33.01	-9.64
		3840.00	1.10	1 / 13	22.70	23.80	0.240	33.01	-9.21
		3969.99	1.10	1 / 37	22.14	23.24	0.211	33.01	-9.77
	16-QAM	3969.99	1.10	1 / 25	21.86	22.96	0.198	33.01	-10.05
	64-QAM	3840.00	1.10	1 / 37	20.28	21.38	0.138	33.01	-11.63
	256-QAM	3710.01	1.10	1 / 25	18.06	19.16	0.082	33.01	-13.85
	π/2 BPSK	3715.02	1.10	1 / 39	22.44	23.54	0.226	33.01	-9.47
30 MHz	π/2 BPSK	3840.00	1.10	1 / 19	22.70	23.80	0.240	33.01	-9.21
		3964.98	1.10	1 / 19	22.40	23.50	0.224	33.01	-9.51
		3715.02	1.10	1 / 58	22.21	23.31	0.214	33.01	-9.70
	QPSK	3840.00	1.10	1 / 19	22.44	23.54	0.226	33.01	-9.47
		3964.98	1.10	1 / 39	22.41	23.51	0.224	33.01	-9.50
		3964.98	1.10	1 / 19	21.89	22.99	0.199	33.01	-10.02
	16-QAM	3840.00	1.10	1 / 19	20.37	21.47	0.140	33.01	-11.54
	64-QAM	3964.98	1.10	1 / 19	17.90	19.00	0.079	33.01	-14.01
	256-QAM	3840.00	1.10	1 / 19	18.08	19.18	0.083	33.01	-13.83
	π/2 BPSK	3720.00	1.10	1 / 79	22.41	23.51	0.225	33.01	-9.50
40 MHz	QPSK	3840.00	1.10	1 / 26	22.39	23.49	0.224	33.01	-9.52
		3960.00	1.10	1 / 26	22.35	23.45	0.221	33.01	-9.56
		3720.00	1.10	1 / 79	22.32	23.42	0.220	33.01	-9.60
	π/2 BPSK	3840.00	1.10	1 / 79	22.70	23.80	0.240	33.01	-9.21
		3960.00	1.10	1 / 79	22.06	23.16	0.207	33.01	-9.85
		3840.00	1.10	1 / 79	21.56	22.66	0.184	33.01	-10.35
	16-QAM	3840.00	1.10	1 / 79	20.23	21.33	0.136	33.01	-11.68
	64-QAM	3840.00	1.10	1 / 79	18.08	19.18	0.083	33.01	-13.83
	256-QAM	3840.00	1.10	1 / 66	18.18	19.28	0.085	33.01	-13.73
50 MHz	π/2 BPSK	3725.01	1.10	1 / 66	22.39	23.49	0.224	33.01	-9.52
		3840.00	1.10	1 / 99	22.70	23.80	0.240	33.01	-9.21
		3954.99	1.10	1 / 33	22.57	23.67	0.233	33.01	-9.34
	QPSK	3725.01	1.10	1 / 99	22.46	23.56	0.227	33.01	-9.45
		3840.00	1.10	1 / 99	22.68	23.78	0.239	33.01	-9.23
		3954.99	1.10	1 / 66	22.57	23.67	0.233	33.01	-9.34
	16-QAM	3840.00	1.10	1 / 99	22.03	23.13	0.205	33.01	-9.88
	64-QAM	3954.99	1.10	1 / 33	20.40	21.50	0.141	33.01	-11.51
	256-QAM	3840.00	1.10	1 / 66	18.18	19.28	0.085	33.01	-13.73
	π/2 BPSK	3730.02	1.10	1 / 121	22.43	23.53	0.225	33.01	-9.48
60 MHz	QPSK	3840.00	1.10	1 / 121	22.70	23.80	0.240	33.01	-9.21
		3949.98	1.10	1 / 40	22.30	23.40	0.219	33.01	-9.61
		3730.02	1.10	1 / 81	22.39	23.49	0.223	33.01	-9.52
	π/2 BPSK	3840.00	1.10	1 / 81	22.68	23.78	0.239	33.01	-9.23
		3949.98	1.10	1 / 121	22.30	23.40	0.219	33.01	-9.61
		3840.00	1.10	1 / 40	20.04	21.14	0.130	33.01	-11.87
	16-QAM	3840.00	1.10	1 / 121	17.91	19.01	0.080	33.01	-14.00
	64-QAM	3945.00	1.10	1 / 47	22.51	23.61	0.230	33.01	-9.40
	256-QAM	3840.00	1.10	1 / 141	22.37	23.47	0.223	33.01	-9.54
	π/2 BPSK	3735.00	1.10	1 / 94	22.34	23.44	0.221	33.01	-9.57
70 MHz	QPSK	3840.00	1.10	1 / 141	22.67	23.77	0.238	33.01	-9.24
		3945.00	1.10	1 / 94	21.80	22.90	0.195	33.01	-10.11
		3840.00	1.10	1 / 47	19.99	21.09	0.129	33.01	-11.92
	16-QAM	3945.00	1.10	1 / 141	18.27	19.37	0.087	33.01	-13.64
	64-QAM	3840.00	1.10	1 / 141	18.22	19.32	0.085	33.01	-13.69
	256-QAM	3740.01	1.10	1 / 162	22.65	23.75	0.237	33.01	-9.26
	π/2 BPSK	3840.00	1.10	1 / 162	22.61	23.71	0.235	33.01	-9.30
	QPSK	3740.01	1.10	1 / 162	22.43	23.53	0.225	33.01	-9.48
	π/2 BPSK	3939.99	1.10	1 / 54	22.52	23.62	0.230	33.01	-9.39
	QPSK	3840.00	1.10	1 / 162	22.70	23.80	0.240	33.01	-9.21
80 MHz	16-QAM	3740.01	1.10	1 / 54	21.92	23.02	0.201	33.01	-9.99
	64-QAM	3939.99	1.10	1 / 54	20.25	21.35	0.136	33.01	-11.66
	256-QAM	3840.00	1.10	1 / 162	18.22	19.32	0.085	33.01	-13.69
	π/2 BPSK	3745.02	1.10	1 / 61	22.25	23.35	0.216	33.01	-9.66
	QPSK	3840.00	1.10	1 / 61	22.49	23.59	0.228	33.01	-9.42
	π/2 BPSK	3934.98	1.10	1 / 61	22.70	23.80	0.240	33.01	-9.21
	QPSK	3745.02	1.10	1 / 61	22.56	23.66	0.232	33.01	-9.35
	π/2 BPSK	3840.00	1.10	1 / 61	22.67	23.77	0.238	33.01	-9.24
	QPSK	3934.98	1.10	1 / 122	22.40	23.50	0.224	33.01	-9.51
	16-QAM	3840.00	1.10	1 / 122	21.68	22.78	0.190	33.01	-10.23
90 MHz	64-QAM	3934.98	1.10	1 / 61	20.29	21.39	0.138	33.01	-11.62
	256-QAM	3934.98	1.10	1 / 61	18.21	19.31	0.085	33.01	-13.70
	π/2 BPSK	3750.00	1.10	1 / 136	22.70	23.80	0.240	33.01	-9.21
	QPSK	3840.00	1.10	1 / 204	22.51	23.61	0.230	33.01	-9.40
	π/2 BPSK	3930.00	1.10	1 / 68	22.65	23.75	0.237	33.01	-9.26
	QPSK	3750.00	1.10	1 / 68	22.65	23.75	0.237	33.01	-9.26
	π/2 BPSK	3840.00	1.10	1 / 136	22.39	23.49	0.224	33.01	-9.52
	QPSK	3930.00	1.10	1 / 68	22.37	23.47	0.223	33.01	-9.54
	16-QAM	3930.00	1.10	1 / 68	22.11	23.21	0.210	33.01	-9.80
	64-QAM	3750.00	1.10	1 / 68	20.10	21.20	0.132	33.01	-11.81
100 MHz	256-QAM	3930.00	1.10	1 / 68	18.20	19.30	0.085	33.01	-13.71

Table 7-8. Antenna 2A EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 150 of 176

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	3710.01	1.10	1 / 13	22.65	23.75	0.237	33.01	-9.27
		3840.00	1.10	1 / 37	22.42	23.52	0.225	33.01	-9.49
		3969.99	1.10	1 / 13	22.29	23.39	0.218	33.01	-9.62
	QPSK	3710.01	1.10	1 / 37	22.70	23.80	0.240	33.01	-9.21
		3840.00	1.10	1 / 13	22.63	23.73	0.236	33.01	-9.28
		3969.99	1.10	1 / 37	22.44	23.54	0.226	33.01	-9.48
	16-QAM	3840.00	1.10	1 / 37	21.98	23.08	0.203	33.01	-9.93
	64-QAM	3710.01	1.10	1 / 13	20.43	21.53	0.142	33.01	-11.48
	256-QAM	3710.01	1.10	1 / 13	18.01	19.11	0.081	33.01	-13.90
	π/2 BPSK	3715.02	1.10	1 / 39	22.54	23.64	0.231	33.01	-9.37
		3840.00	1.10	1 / 58	22.70	23.80	0.240	33.01	-9.21
		3964.98	1.10	1 / 19	22.51	23.61	0.230	33.01	-9.40
30 MHz	QPSK	3715.02	1.10	1 / 19	22.52	23.62	0.230	33.01	-9.39
		3840.00	1.10	1 / 58	22.34	23.44	0.221	33.01	-9.58
		3964.98	1.10	1 / 19	22.35	23.45	0.221	33.01	-9.56
	16-QAM	3840.00	1.10	1 / 19	21.65	22.75	0.188	33.01	-10.26
	64-QAM	3840.00	1.10	1 / 19	20.13	21.23	0.133	33.01	-11.78
	256-QAM	3964.98	1.10	1 / 58	18.00	19.10	0.081	33.01	-13.91
	π/2 BPSK	3720.00	1.10	1 / 26	22.70	23.80	0.240	33.01	-9.21
		3840.00	1.10	1 / 26	22.55	23.65	0.232	33.01	-9.36
		3960.00	1.10	1 / 26	22.38	23.48	0.223	33.01	-9.53
	QPSK	3720.00	1.10	1 / 26	22.53	23.63	0.231	33.01	-9.38
		3840.00	1.10	1 / 26	22.40	23.50	0.224	33.01	-9.51
		3960.00	1.10	1 / 26	22.46	23.56	0.227	33.01	-9.45
40 MHz	16-QAM	3840.00	1.10	1 / 79	21.97	23.07	0.203	33.01	-9.94
	64-QAM	3720.00	1.10	1 / 79	20.30	21.40	0.138	33.01	-11.61
	256-QAM	3840.00	1.10	1 / 79	18.05	19.15	0.082	33.01	-13.86
	π/2 BPSK	3725.01	1.10	1 / 66	22.49	23.59	0.229	33.01	-9.42
		3840.00	1.10	1 / 66	22.70	23.80	0.240	33.01	-9.21
		3954.99	1.10	1 / 66	22.58	23.68	0.233	33.01	-9.34
	QPSK	3725.01	1.10	1 / 66	22.47	23.57	0.227	33.01	-9.44
		3840.00	1.10	1 / 66	22.66	23.76	0.238	33.01	-9.25
		3954.99	1.10	1 / 33	22.51	23.61	0.230	33.01	-9.40
	16-QAM	3840.00	1.10	1 / 99	22.05	23.15	0.207	33.01	-9.86
	64-QAM	3840.00	1.10	1 / 66	20.38	21.48	0.141	33.01	-11.53
	256-QAM	3840.00	1.10	1 / 33	18.10	19.20	0.083	33.01	-13.81
50 MHz	π/2 BPSK	3730.02	1.10	1 / 40	22.70	23.80	0.240	33.01	-9.21
		3840.00	1.10	1 / 40	22.40	23.50	0.224	33.01	-9.52
		3949.98	1.10	1 / 40	22.50	23.60	0.229	33.01	-9.41
	QPSK	3730.02	1.10	1 / 121	22.47	23.57	0.228	33.01	-9.44
		3840.00	1.10	1 / 40	22.56	23.66	0.232	33.01	-9.35
		3949.98	1.10	1 / 40	22.49	23.59	0.229	33.01	-9.42
	16-QAM	3840.00	1.10	1 / 40	21.85	22.95	0.197	33.01	-10.06
	64-QAM	3730.02	1.10	1 / 81	20.07	21.17	0.131	33.01	-11.84
	256-QAM	3730.02	1.10	1 / 40	18.09	19.19	0.083	33.01	-13.82
	π/2 BPSK	3735.00	1.10	1 / 47	22.63	23.73	0.236	33.01	-9.28
		3840.00	1.10	1 / 141	22.70	23.80	0.240	33.01	-9.21
		3945.00	1.10	1 / 94	22.66	23.76	0.238	33.01	-9.25
60 MHz	QPSK	3735.00	1.10	1 / 94	22.57	23.67	0.233	33.01	-9.34
		3840.00	1.10	1 / 141	22.50	23.60	0.229	33.01	-9.41
		3945.00	1.10	1 / 47	22.49	23.59	0.229	33.01	-9.42
	16-QAM	3735.00	1.10	1 / 141	22.10	23.20	0.209	33.01	-9.81
	64-QAM	3735.00	1.10	1 / 47	20.40	21.50	0.141	33.01	-11.51
	256-QAM	3735.00	1.10	1 / 94	18.24	19.34	0.086	33.01	-13.67
	π/2 BPSK	3740.01	1.10	1 / 108	22.60	23.70	0.234	33.01	-9.31
		3840.00	1.10	1 / 108	22.70	23.80	0.240	33.01	-9.21
		3939.99	1.10	1 / 54	22.65	23.75	0.237	33.01	-9.26
70 MHz	QPSK	3740.01	1.10	1 / 54	22.49	23.59	0.228	33.01	-9.42
		3840.00	1.10	1 / 54	22.66	23.76	0.238	33.01	-9.25
		3935.00	1.10	1 / 47	22.49	23.59	0.229	33.01	-9.42
	16-QAM	3735.00	1.10	1 / 141	22.10	23.20	0.209	33.01	-9.81
	64-QAM	3735.00	1.10	1 / 47	20.40	21.50	0.141	33.01	-11.51
	256-QAM	3735.00	1.10	1 / 94	18.30	19.40	0.087	33.01	-13.61
	π/2 BPSK	3745.02	1.10	1 / 122	22.58	23.68	0.233	33.01	-9.33
		3840.00	1.10	1 / 61	22.63	23.73	0.236	33.01	-9.28
		3934.98	1.10	1 / 61	22.49	23.59	0.228	33.01	-9.42
80 MHz	QPSK	3745.02	1.10	1 / 183	22.42	23.52	0.225	33.01	-9.49
		3840.00	1.10	1 / 183	22.70	23.80	0.240	33.01	-9.21
		3934.98	1.10	1 / 183	22.53	23.63	0.231	33.01	-9.38
	16-QAM	3934.98	1.10	1 / 61	22.02	23.12	0.205	33.01	-9.89
	64-QAM	3934.98	1.10	1 / 61	20.35	21.45	0.140	33.01	-11.56
	256-QAM	3840.00	1.10	1 / 61	18.47	19.57	0.090	33.01	-13.44
	π/2 BPSK	3750.00	1.10	1 / 136	22.38	23.48	0.223	33.01	-9.53
		3840.00	1.10	1 / 204	22.52	23.62	0.230	33.01	-9.39
		3930.00	1.10	1 / 204	22.41	23.51	0.225	33.01	-9.50
90 MHz	QPSK	3750.00	1.10	1 / 136	22.47	23.57	0.228	33.01	-9.44
		3840.00	1.10	1 / 68	22.70	23.80	0.240	33.01	-9.21
		3930.00	1.10	1 / 68	22.38	23.48	0.223	33.01	-9.53
	16-QAM	3930.00	1.10	1 / 204	20.11	21.21	0.132	33.01	-11.80
	64-QAM	3840.00	1.10	1 / 204	18.11	19.21	0.083	33.01	-13.80
	256-QAM	3930.00	1.10	1 / 68	18.11	19.21	0.083	33.01	-13.80

Table 7-9. Antenna 2A EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device				

7.6.3 Antenna 4 – EIRP

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	3460.02	3.60	1 / 25	24.71	28.31	0.678	33.01	-4.70	
		3500.01	3.60	1 / 13	25.09	28.69	0.739	33.01	-4.33	
		3540.00	3.60	1 / 25	24.94	28.54	0.715	33.01	-4.47	
	QPSK	3460.02	3.60	1 / 13	24.89	28.49	0.707	33.01	-4.52	
		3500.01	3.60	1 / 13	25.20	28.80	0.759	33.01	-4.21	
		3540.00	3.60	1 / 37	24.92	28.52	0.712	33.01	-4.49	
	16-QAM	3460.02	3.60	1 / 25	23.97	27.57	0.572	33.01	-5.44	
		3540.00	3.60	1 / 13	22.43	26.03	0.401	33.01	-6.98	
		256-QAM	3460.02	3.60	1 / 37	20.72	24.32	0.270	33.01	-8.69
	30 MHz	3465.00	3.60	1 / 39	24.98	28.58	0.721	33.01	-4.43	
		3500.01	3.60	1 / 39	25.14	28.74	0.748	33.01	-4.27	
		3534.99	3.60	1 / 39	25.20	28.80	0.759	33.01	-4.21	
		3465.00	3.60	1 / 19	24.85	28.45	0.700	33.01	-4.56	
		3500.01	3.60	1 / 58	24.81	28.41	0.693	33.01	-4.60	
		3534.99	3.60	1 / 58	24.99	28.59	0.723	33.01	-4.42	
		16-QAM	3465.00	3.60	1 / 19	24.53	28.13	0.650	33.01	-4.88
		64-QAM	3465.00	3.60	1 / 19	23.08	26.68	0.465	33.01	-6.33
		256-QAM	3465.00	3.60	1 / 39	21.31	24.91	0.310	33.01	-8.10
		3470.01	3.60	1 / 53	24.74	28.34	0.682	33.01	-4.67	
		3500.01	3.60	1 / 26	25.20	28.80	0.759	33.01	-4.21	
		3529.98	3.60	1 / 79	25.16	28.76	0.751	33.01	-4.25	
40 MHz	QPSK	3470.01	3.60	1 / 26	25.06	28.66	0.734	33.01	-4.35	
		3500.01	3.60	1 / 26	24.76	28.36	0.686	33.01	-4.65	
		3529.98	3.60	1 / 79	24.83	28.43	0.696	33.01	-4.58	
	16-QAM	3500.01	3.60	1 / 79	24.17	27.77	0.598	33.01	-5.24	
		3470.01	3.60	1 / 79	22.61	26.21	0.418	33.01	-6.80	
		256-QAM	3470.01	3.60	1 / 79	20.72	24.32	0.270	33.01	-8.69
	π/2 BPSK	3475.02	3.60	1 / 99	25.13	28.73	0.747	33.01	-4.28	
		3500.01	3.60	1 / 66	24.83	28.43	0.697	33.01	-4.58	
		3525.00	3.60	1 / 33	25.18	28.78	0.755	33.01	-4.23	
50 MHz	QPSK	3475.02	3.60	1 / 33	25.04	28.64	0.732	33.01	-4.37	
		3500.01	3.60	1 / 99	25.20	28.80	0.759	33.01	-4.21	
		3525.00	3.60	1 / 99	25.07	28.67	0.736	33.01	-4.34	
	16-QAM	3525.00	3.60	1 / 33	24.21	27.81	0.603	33.01	-5.21	
		3475.02	3.60	1 / 33	22.33	25.93	0.392	33.01	-7.08	
		256-QAM	3525.00	3.60	1 / 33	20.52	24.12	0.258	33.01	-8.89
	π/2 BPSK	3480.00	3.60	1 / 121	25.01	28.61	0.726	33.01	-4.40	
		3500.01	3.60	1 / 121	24.96	28.56	0.717	33.01	-4.45	
		3519.99	3.60	1 / 40	25.00	28.60	0.725	33.01	-4.41	
60 MHz	QPSK	3480.00	3.60	1 / 40	25.20	28.80	0.759	33.01	-4.21	
		3500.01	3.60	1 / 40	25.00	28.60	0.724	33.01	-4.41	
		3519.99	3.60	1 / 121	24.79	28.39	0.691	33.01	-4.62	
	16-QAM	3500.01	3.60	1 / 81	24.30	27.90	0.616	33.01	-5.11	
		3480.00	3.60	1 / 40	22.27	25.87	0.387	33.01	-7.14	
		256-QAM	3480.00	3.60	1 / 121	20.60	24.20	0.263	33.01	-8.81
	π/2 BPSK	3485.01	3.60	1 / 141	25.01	28.61	0.726	33.01	-4.40	
		3500.01	3.60	1 / 47	25.07	28.67	0.736	33.01	-4.34	
		3514.98	3.60	1 / 94	25.16	28.76	0.752	33.01	-4.25	
70 MHz	QPSK	3485.01	3.60	1 / 94	25.02	28.62	0.728	33.01	-4.39	
		3500.01	3.60	1 / 141	25.03	28.63	0.729	33.01	-4.38	
		3514.98	3.60	1 / 141	25.20	28.80	0.759	33.01	-4.21	
	16-QAM	3485.01	3.60	1 / 47	24.42	28.02	0.634	33.01	-4.99	
		3500.01	3.60	1 / 141	22.43	26.03	0.401	33.01	-6.98	
		256-QAM	3485.01	3.60	1 / 94	20.89	24.49	0.281	33.01	-8.53
	π/2 BPSK	3490.02	3.60	1 / 54	24.92	28.52	0.711	33.01	-4.49	
		3500.01	3.60	1 / 54	25.03	28.63	0.729	33.01	-4.38	
		3510.00	3.60	1 / 108	24.96	28.56	0.717	33.01	-4.45	
80 MHz	QPSK	3490.02	3.60	1 / 108	24.98	28.58	0.721	33.01	-4.43	
		3500.01	3.60	1 / 108	25.20	28.80	0.759	33.01	-4.21	
		3510.00	3.60	1 / 108	24.90	28.50	0.708	33.01	-4.51	
	16-QAM	3490.02	3.60	1 / 108	24.17	27.77	0.599	33.01	-5.24	
		3500.01	3.60	1 / 162	22.40	26.00	0.398	33.01	-7.01	
		256-QAM	3510.00	3.60	1 / 54	20.47	24.07	0.255	33.01	-8.94
	π/2 BPSK	3495.00	3.60	1 / 183	24.95	28.55	0.716	33.01	-4.46	
		3500.01	3.60	1 / 183	24.99	28.59	0.723	33.01	-4.42	
		3504.99	3.60	1 / 61	24.70	28.30	0.677	33.01	-4.71	
90 MHz	QPSK	3495.00	3.60	1 / 183	24.88	28.48	0.705	33.01	-4.53	
		3500.01	3.60	1 / 183	24.76	28.36	0.685	33.01	-4.65	
		3504.99	3.60	1 / 61	25.20	28.80	0.759	33.01	-4.21	
	16-QAM	3500.01	3.60	1 / 61	24.35	27.95	0.624	33.01	-5.06	
		3504.99	3.60	1 / 61	22.33	25.93	0.392	33.01	-7.08	
		256-QAM	3504.99	3.60	1 / 61	20.52	24.12	0.258	33.01	-8.89
	π/2 BPSK	3500.01	3.60	1 / 68	25.20	28.80	0.759	33.01	-4.21	
		3500.01	3.60	1 / 136	25.13	28.73	0.747	33.01	-4.28	
		3500.01	3.60	1 / 136	24.36	27.96	0.625	33.01	-5.05	
100 MHz	QPSK	3500.01	3.60	1 / 204	23.11	26.71	0.469	33.01	-6.30	
		3500.01	3.60	1 / 68	21.00	24.60	0.289	33.01	-8.41	

Table 7-10. Antenna 4 EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 152 of 176

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	3460.02	3.60	1 / 13	24.70	28.30	0.676	33.01	-4.71
		3500.01	3.60	1 / 13	24.30	27.90	0.616	33.01	-5.12
		3540.00	3.60	1 / 13	24.48	28.08	0.643	33.01	-4.93
	QPSK	3460.02	3.60	1 / 37	24.54	28.14	0.652	33.01	-4.87
		3500.01	3.60	1 / 25	24.53	28.13	0.650	33.01	-4.88
		3540.00	3.60	1 / 13	24.59	28.19	0.659	33.01	-4.82
	16-QAM	3460.02	3.60	1 / 37	23.60	27.20	0.525	33.01	-5.81
	64-QAM	3460.02	3.60	1 / 37	22.01	25.61	0.364	33.01	-7.40
	256-QAM	3540.00	3.60	1 / 13	20.10	23.70	0.235	33.01	-9.31
	π/2 BPSK	3465.00	3.60	1 / 19	24.49	28.09	0.644	33.01	-4.92
		3500.01	3.60	1 / 19	24.27	27.87	0.612	33.01	-5.14
		3534.99	3.60	1 / 19	24.70	28.30	0.676	33.01	-4.71
30 MHz	QPSK	3465.00	3.60	1 / 39	24.13	27.73	0.593	33.01	-5.28
		3500.01	3.60	1 / 19	24.50	28.10	0.645	33.01	-4.91
		3534.99	3.60	1 / 19	24.28	27.88	0.614	33.01	-5.13
	16-QAM	3465.00	3.60	1 / 58	23.20	26.80	0.479	33.01	-6.21
	64-QAM	3500.01	3.60	1 / 58	21.90	25.50	0.355	33.01	-7.51
	256-QAM	3465.00	3.60	1 / 39	20.05	23.65	0.232	33.01	-9.36
	π/2 BPSK	3470.01	3.60	1 / 79	24.61	28.21	0.662	33.01	-4.80
		3500.01	3.60	1 / 79	24.43	28.03	0.635	33.01	-4.98
		3529.98	3.60	1 / 79	24.48	28.08	0.642	33.01	-4.93
	QPSK	3470.01	3.60	1 / 26	24.31	27.91	0.619	33.01	-5.10
		3500.01	3.60	1 / 26	24.70	28.30	0.676	33.01	-4.71
		3529.98	3.60	1 / 79	24.53	28.13	0.650	33.01	-4.88
40 MHz	16-QAM	3470.01	3.60	1 / 53	23.75	27.35	0.544	33.01	-5.66
	64-QAM	3529.98	3.60	1 / 79	22.53	26.13	0.410	33.01	-6.88
	256-QAM	3529.98	3.60	1 / 79	20.50	24.10	0.257	33.01	-8.91
	π/2 BPSK	3475.02	3.60	1 / 33	24.51	28.11	0.647	33.01	-4.90
		3500.01	3.60	1 / 33	24.47	28.07	0.641	33.01	-4.94
		3525.00	3.60	1 / 99	24.46	28.06	0.639	33.01	-4.95
	QPSK	3475.02	3.60	1 / 33	24.70	28.30	0.676	33.01	-4.71
		3500.01	3.60	1 / 66	24.35	27.95	0.624	33.01	-5.06
		3525.00	3.60	1 / 66	24.56	28.16	0.655	33.01	-4.85
	16-QAM	3475.02	3.60	1 / 33	23.60	27.20	0.525	33.01	-5.81
	64-QAM	3475.02	3.60	1 / 33	22.38	25.98	0.397	33.01	-7.03
	256-QAM	3500.01	3.60	1 / 66	20.16	23.76	0.237	33.01	-9.25
50 MHz	π/2 BPSK	3480.00	3.60	1 / 121	24.70	28.30	0.676	33.01	-4.71
		3500.01	3.60	1 / 40	24.49	28.09	0.644	33.01	-4.92
		3519.99	3.60	1 / 40	24.65	28.25	0.669	33.01	-4.76
	QPSK	3480.00	3.60	1 / 81	24.42	28.02	0.634	33.01	-4.99
		3500.01	3.60	1 / 121	24.48	28.08	0.642	33.01	-4.93
		3519.99	3.60	1 / 81	24.21	27.81	0.603	33.01	-5.20
	16-QAM	3480.00	3.60	1 / 121	23.73	27.33	0.541	33.01	-5.68
	64-QAM	3519.99	3.60	1 / 81	22.24	25.84	0.384	33.01	-7.17
	256-QAM	3480.00	3.60	1 / 121	20.00	23.60	0.229	33.01	-9.41
	π/2 BPSK	3485.01	3.60	1 / 47	24.51	28.11	0.647	33.01	-4.90
		3500.01	3.60	1 / 141	24.31	27.91	0.618	33.01	-5.10
		3514.98	3.60	1 / 47	24.70	28.30	0.676	33.01	-4.71
60 MHz	QPSK	3485.01	3.60	1 / 94	24.39	27.99	0.629	33.01	-5.02
		3500.01	3.60	1 / 47	24.70	28.30	0.676	33.01	-4.71
		3514.98	3.60	1 / 47	24.52	28.12	0.649	33.01	-4.89
	16-QAM	3485.01	3.60	1 / 141	23.71	27.31	0.539	33.01	-5.70
	64-QAM	3500.01	3.60	1 / 141	22.13	25.73	0.374	33.01	-7.28
	256-QAM	3485.01	3.60	1 / 94	20.21	23.81	0.241	33.01	-9.20
	π/2 BPSK	3490.02	3.60	1 / 54	24.50	28.10	0.645	33.01	-4.91
		3500.01	3.60	1 / 54	24.70	28.30	0.676	33.01	-4.71
		3510.00	3.60	1 / 108	24.44	28.04	0.637	33.01	-4.97
70 MHz	QPSK	3490.02	3.60	1 / 54	24.59	28.19	0.659	33.01	-4.82
		3500.01	3.60	1 / 54	24.31	27.91	0.619	33.01	-5.10
		3510.00	3.60	1 / 108	24.64	28.24	0.666	33.01	-4.77
	16-QAM	3500.01	3.60	1 / 108	23.78	27.38	0.547	33.01	-5.63
	64-QAM	3490.02	3.60	1 / 54	22.45	26.05	0.402	33.01	-6.96
	256-QAM	3500.01	3.60	1 / 54	20.31	23.91	0.246	33.01	-9.10
	π/2 BPSK	3495.00	3.60	1 / 122	24.42	28.02	0.633	33.01	-4.99
		3500.01	3.60	1 / 183	24.70	28.30	0.676	33.01	-4.71
		3510.00	3.60	1 / 61	24.62	28.22	0.664	33.01	-4.79
80 MHz	QPSK	3495.00	3.60	1 / 183	24.27	27.87	0.613	33.01	-5.14
		3500.01	3.60	1 / 122	24.14	27.74	0.594	33.01	-5.27
		3504.99	3.60	1 / 61	24.69	28.29	0.674	33.01	-4.73
	16-QAM	3495.00	3.60	1 / 61	23.70	27.30	0.537	33.01	-5.71
	64-QAM	3500.01	3.60	1 / 122	22.10	25.70	0.372	33.01	-7.31
	256-QAM	3504.99	3.60	1 / 122	19.96	23.56	0.227	33.01	-9.45
	π/2 BPSK	3500.01	3.60	1 / 204	24.70	28.30	0.676	33.01	-4.71
		3500.01	3.60	1 / 68	24.50	28.10	0.645	33.01	-4.92
		3504.99	3.60	1 / 68	23.66	27.26	0.532	33.01	-5.75
100 MHz	16-QAM	3500.01	3.60	1 / 136	21.94	25.54	0.358	33.01	-7.47
	64-QAM	3500.01	3.60	1 / 68	19.84	23.44	0.221	33.01	-9.57

Table 7-11. Antenna 4 EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device						Page 153 of 176

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	3710.01	3.60	1 / 25	24.69	28.29	0.675	33.01	-4.72
		3840.00	3.60	1 / 25	24.92	28.52	0.711	33.01	-4.49
		3969.99	3.60	1 / 13	25.20	28.80	0.759	33.01	-4.21
	QPSK	3710.01	3.60	1 / 13	24.62	28.22	0.663	33.01	-4.79
		3840.00	3.60	1 / 13	24.96	28.56	0.718	33.01	-4.45
		3969.99	3.60	1 / 37	24.89	28.49	0.706	33.01	-4.52
	16-QAM	3840.00	3.60	1 / 13	23.85	27.45	0.556	33.01	-5.56
	64-QAM	3840.00	3.60	1 / 25	22.56	26.16	0.413	33.01	-6.85
	256-QAM	3969.99	3.60	1 / 37	21.04	24.64	0.291	33.01	-8.37
	π/2 BPSK	3715.02	3.60	1 / 58	24.91	28.51	0.709	33.01	-4.50
		3840.00	3.60	1 / 39	25.05	28.65	0.733	33.01	-4.36
		3964.98	3.60	1 / 58	25.18	28.78	0.755	33.01	-4.23
30 MHz	QPSK	3715.02	3.60	1 / 19	25.08	28.68	0.737	33.01	-4.34
		3840.00	3.60	1 / 58	24.98	28.58	0.722	33.01	-4.43
		3964.98	3.60	1 / 19	24.96	28.56	0.718	33.01	-4.45
	16-QAM	3964.98	3.60	1 / 19	24.69	28.29	0.675	33.01	-4.72
	64-QAM	3840.00	3.60	1 / 58	23.44	27.04	0.505	33.01	-5.97
	256-QAM	3964.98	3.60	1 / 19	21.90	25.50	0.355	33.01	-7.51
	π/2 BPSK	3720.00	3.60	1 / 26	24.62	28.22	0.664	33.01	-4.79
		3840.00	3.60	1 / 79	25.20	28.80	0.759	33.01	-4.21
		3960.00	3.60	1 / 79	24.65	28.25	0.668	33.01	-4.76
	QPSK	3720.00	3.60	1 / 79	24.62	28.22	0.664	33.01	-4.79
		3840.00	3.60	1 / 26	24.96	28.56	0.718	33.01	-4.45
		3960.00	3.60	1 / 79	24.75	28.35	0.683	33.01	-4.66
40 MHz	16-QAM	3960.00	3.60	1 / 79	23.64	27.24	0.529	33.01	-5.77
	64-QAM	3840.00	3.60	1 / 79	22.46	26.06	0.404	33.01	-6.95
	256-QAM	3840.00	3.60	1 / 53	20.97	24.57	0.287	33.01	-8.44
	π/2 BPSK	3725.01	3.60	1 / 66	24.86	28.46	0.701	33.01	-4.55
		3840.00	3.60	1 / 99	25.20	28.80	0.759	33.01	-4.21
		3954.99	3.60	1 / 99	24.72	28.32	0.679	33.01	-4.69
	QPSK	3725.01	3.60	1 / 66	24.64	28.24	0.667	33.01	-4.77
		3840.00	3.60	1 / 66	24.96	28.56	0.718	33.01	-4.45
		3954.99	3.60	1 / 33	25.01	28.61	0.727	33.01	-4.40
	16-QAM	3840.00	3.60	1 / 99	23.79	27.39	0.548	33.01	-5.62
	64-QAM	3840.00	3.60	1 / 99	22.50	26.10	0.407	33.01	-6.91
	256-QAM	3954.99	3.60	1 / 99	21.11	24.71	0.296	33.01	-8.30
50 MHz	π/2 BPSK	3730.02	3.60	1 / 121	25.14	28.74	0.747	33.01	-4.28
		3840.00	3.60	1 / 121	25.20	28.80	0.759	33.01	-4.21
		3949.98	3.60	1 / 40	24.95	28.55	0.716	33.01	-4.46
	QPSK	3730.02	3.60	1 / 121	25.19	28.79	0.757	33.01	-4.22
		3840.00	3.60	1 / 121	25.18	28.78	0.755	33.01	-4.23
		3949.98	3.60	1 / 40	25.05	28.65	0.732	33.01	-4.36
	16-QAM	3840.00	3.60	1 / 81	24.01	27.61	0.577	33.01	-5.40
	64-QAM	3840.00	3.60	1 / 81	23.15	26.75	0.473	33.01	-6.26
	256-QAM	3840.00	3.60	1 / 121	21.38	24.98	0.315	33.01	-8.03
	π/2 BPSK	3735.00	3.60	1 / 141	25.12	28.72	0.744	33.01	-4.29
		3840.00	3.60	1 / 94	25.20	28.80	0.759	33.01	-4.21
		3945.00	3.60	1 / 47	24.90	28.50	0.708	33.01	-4.51
60 MHz	QPSK	3735.00	3.60	1 / 47	24.72	28.32	0.679	33.01	-4.69
		3840.00	3.60	1 / 141	25.07	28.67	0.736	33.01	-4.34
		3945.00	3.60	1 / 141	24.99	28.59	0.722	33.01	-4.42
	16-QAM	3840.00	3.60	1 / 141	23.88	27.48	0.560	33.01	-5.53
	64-QAM	3840.00	3.60	1 / 94	22.72	26.32	0.428	33.01	-6.69
	256-QAM	3945.00	3.60	1 / 94	21.00	24.60	0.288	33.01	-8.41
	π/2 BPSK	3740.01	3.60	1 / 108	24.60	28.20	0.661	33.01	-4.81
		3840.00	3.60	1 / 108	25.20	28.80	0.759	33.01	-4.21
		3939.99	3.60	1 / 54	24.80	28.40	0.692	33.01	-4.61
70 MHz	QPSK	3740.01	3.60	1 / 54	24.70	28.30	0.677	33.01	-4.71
		3840.00	3.60	1 / 162	24.83	28.43	0.697	33.01	-4.58
		3939.99	3.60	1 / 162	24.62	28.22	0.664	33.01	-4.79
	16-QAM	3840.00	3.60	1 / 108	23.66	27.26	0.532	33.01	-5.75
	64-QAM	3840.00	3.60	1 / 54	22.27	25.87	0.386	33.01	-7.14
	256-QAM	3840.00	3.60	1 / 162	21.12	24.72	0.297	33.01	-8.29
	π/2 BPSK	3745.02	3.60	1 / 61	24.67	28.27	0.671	33.01	-4.74
		3840.00	3.60	1 / 183	25.20	28.80	0.759	33.01	-4.21
		3934.98	3.60	1 / 61	24.71	28.31	0.677	33.01	-4.70
80 MHz	QPSK	3745.02	3.60	1 / 122	24.56	28.16	0.654	33.01	-4.85
		3840.00	3.60	1 / 61	24.87	28.47	0.704	33.01	-4.54
		3934.98	3.60	1 / 183	24.68	28.28	0.673	33.01	-4.73
	16-QAM	3934.98	3.60	1 / 61	23.81	27.41	0.551	33.01	-5.60
	64-QAM	3934.98	3.60	1 / 122	22.57	26.17	0.414	33.01	-6.84
	256-QAM	3840.00	3.60	1 / 61	20.82	24.42	0.277	33.01	-8.59
	π/2 BPSK	3750.00	3.60	1 / 136	24.75	28.35	0.685	33.01	-4.66
		3840.00	3.60	1 / 68	25.20	28.80	0.759	33.01	-4.21
		3930.00	3.60	1 / 68	24.93	28.53	0.712	33.01	-4.48
90 MHz	QPSK	3750.00	3.60	1 / 136	24.75	28.35	0.684	33.01	-4.66
		3840.00	3.60	1 / 136	25.10	28.70	0.741	33.01	-4.31
		3930.00	3.60	1 / 68	24.94	28.54	0.715	33.01	-4.47
	16-QAM	3840.00	3.60	1 / 204	23.64	27.24	0.530	33.01	-5.77
	64-QAM	3840.00	3.60	1 / 68	22.42	26.02	0.400	33.01	-6.99
	256-QAM	3750.00	3.60	1 / 68	20.81	24.41	0.276	33.01	-8.60

Table 7-12. Antenna 4 EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 154 of 176

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	3710.01	3.60	1 / 13	24.70	28.30	0.676	33.01	-4.71
		3840.00	3.60	1 / 13	24.46	28.06	0.640	33.01	-4.95
		3969.99	3.60	1 / 13	24.67	28.27	0.671	33.01	-4.74
	QPSK	3710.01	3.60	1 / 25	24.40	28.00	0.631	33.01	-5.01
		3840.00	3.60	1 / 37	24.52	28.12	0.648	33.01	-4.89
		3969.99	3.60	1 / 37	24.47	28.07	0.642	33.01	-4.94
	16-QAM	3840.00	3.60	1 / 25	23.60	27.20	0.525	33.01	-5.81
	64-QAM	3840.00	3.60	1 / 25	22.18	25.78	0.379	33.01	-7.23
	256-QAM	3840.00	3.60	1 / 37	20.40	24.00	0.251	33.01	-9.01
	π/2 BPSK	3715.02	3.60	1 / 19	24.01	27.61	0.576	33.01	-5.40
		3840.00	3.60	1 / 58	24.42	28.02	0.634	33.01	-4.99
		3964.98	3.60	1 / 19	24.70	28.30	0.676	33.01	-4.71
30 MHz	QPSK	3715.02	3.60	1 / 19	24.22	27.82	0.606	33.01	-5.19
		3840.00	3.60	1 / 58	24.46	28.06	0.639	33.01	-4.95
		3964.98	3.60	1 / 19	24.16	27.76	0.597	33.01	-5.25
	16-QAM	3840.00	3.60	1 / 58	23.57	27.17	0.521	33.01	-5.84
	64-QAM	3964.98	3.60	1 / 19	21.86	25.46	0.352	33.01	-7.55
	256-QAM	3840.00	3.60	1 / 19	20.13	23.73	0.236	33.01	-9.28
	π/2 BPSK	3720.00	3.60	1 / 79	24.39	27.99	0.630	33.01	-5.02
		3840.00	3.60	1 / 26	24.70	28.30	0.676	33.01	-4.71
		3960.00	3.60	1 / 79	24.49	28.09	0.645	33.01	-4.92
	QPSK	3720.00	3.60	1 / 79	24.25	27.85	0.610	33.01	-5.16
		3840.00	3.60	1 / 79	24.56	28.16	0.655	33.01	-4.85
		3960.00	3.60	1 / 79	24.48	28.08	0.643	33.01	-4.93
40 MHz	16-QAM	3840.00	3.60	1 / 79	23.70	27.30	0.537	33.01	-5.71
	64-QAM	3840.00	3.60	1 / 79	21.96	25.56	0.360	33.01	-7.45
	256-QAM	3840.00	3.60	1 / 79	20.48	24.08	0.256	33.01	-8.93
	π/2 BPSK	3725.01	3.60	1 / 33	24.38	27.98	0.628	33.01	-5.03
		3840.00	3.60	1 / 33	24.44	28.04	0.637	33.01	-4.97
		3954.99	3.60	1 / 99	24.23	27.83	0.606	33.01	-5.18
	QPSK	3725.01	3.60	1 / 99	24.00	27.60	0.575	33.01	-5.41
		3840.00	3.60	1 / 99	24.70	28.30	0.676	33.01	-4.71
		3954.99	3.60	1 / 33	24.28	27.88	0.614	33.01	-5.13
50 MHz	16-QAM	3954.99	3.60	1 / 99	23.44	27.04	0.506	33.01	-5.97
	64-QAM	3954.99	3.60	1 / 99	21.94	25.54	0.358	33.01	-7.47
	256-QAM	3840.00	3.60	1 / 66	20.38	23.98	0.250	33.01	-9.03
	π/2 BPSK	3730.02	3.60	1 / 121	24.15	27.75	0.595	33.01	-5.26
		3840.00	3.60	1 / 121	24.63	28.23	0.666	33.01	-4.78
		3949.98	3.60	1 / 40	24.41	28.01	0.632	33.01	-5.00
	QPSK	3730.02	3.60	1 / 81	24.27	27.87	0.613	33.01	-5.14
		3840.00	3.60	1 / 121	24.70	28.30	0.676	33.01	-4.71
		3949.98	3.60	1 / 40	24.55	28.15	0.653	33.01	-4.86
60 MHz	16-QAM	3840.00	3.60	1 / 121	23.84	27.44	0.555	33.01	-5.57
	64-QAM	3840.00	3.60	1 / 121	22.30	25.90	0.389	33.01	-7.12
	256-QAM	3949.98	3.60	1 / 81	20.24	23.84	0.242	33.01	-9.17
	π/2 BPSK	3735.00	3.60	1 / 141	24.29	27.89	0.615	33.01	-5.12
		3840.00	3.60	1 / 141	24.70	28.30	0.676	33.01	-4.71
		3945.00	3.60	1 / 141	24.28	27.88	0.613	33.01	-5.13
	QPSK	3735.00	3.60	1 / 141	24.25	27.85	0.610	33.01	-5.16
		3840.00	3.60	1 / 141	24.68	28.28	0.672	33.01	-4.73
		3945.00	3.60	1 / 47	24.44	28.04	0.637	33.01	-4.97
70 MHz	16-QAM	3840.00	3.60	1 / 47	23.43	27.03	0.504	33.01	-5.98
	64-QAM	3840.00	3.60	1 / 94	22.02	25.62	0.365	33.01	-7.39
	256-QAM	3945.00	3.60	1 / 47	20.29	23.89	0.245	33.01	-9.12
	π/2 BPSK	3740.01	3.60	1 / 54	24.53	28.13	0.651	33.01	-4.88
		3840.00	3.60	1 / 108	24.62	28.22	0.663	33.01	-4.79
		3939.99	3.60	1 / 108	24.58	28.18	0.657	33.01	-4.83
	QPSK	3740.01	3.60	1 / 54	24.46	28.06	0.639	33.01	-4.95
		3840.00	3.60	1 / 162	24.70	28.30	0.676	33.01	-4.71
		3939.99	3.60	1 / 108	24.22	27.82	0.605	33.01	-5.19
80 MHz	16-QAM	3939.99	3.60	1 / 54	23.76	27.36	0.544	33.01	-5.65
	64-QAM	3740.01	3.60	1 / 54	22.13	25.73	0.374	33.01	-7.28
	256-QAM	3840.00	3.60	1 / 54	20.49	24.09	0.256	33.01	-8.92
	π/2 BPSK	3745.02	3.60	1 / 61	24.29	27.89	0.616	33.01	-5.12
		3840.00	3.60	1 / 61	24.41	28.01	0.633	33.01	-5.00
		3934.98	3.60	1 / 61	24.70	28.30	0.676	33.01	-4.71
	QPSK	3745.02	3.60	1 / 183	24.17	27.77	0.598	33.01	-5.24
		3840.00	3.60	1 / 183	24.58	28.18	0.658	33.01	-4.83
		3934.98	3.60	1 / 61	24.45	28.05	0.638	33.01	-4.96
90 MHz	16-QAM	3840.00	3.60	1 / 183	23.42	27.02	0.504	33.01	-5.99
	64-QAM	3840.00	3.60	1 / 122	22.24	25.84	0.384	33.01	-7.17
	256-QAM	3840.00	3.60	1 / 61	20.27	23.87	0.244	33.01	-9.14
	π/2 BPSK	3750.00	3.60	1 / 68	24.24	27.84	0.609	33.01	-5.17
		3840.00	3.60	1 / 204	24.70	28.30	0.676	33.01	-4.71
		3930.00	3.60	1 / 68	24.60	28.20	0.660	33.01	-4.81
	QPSK	3750.00	3.60	1 / 136	24.22	27.82	0.605	33.01	-5.19
		3840.00	3.60	1 / 68	24.58	28.18	0.658	33.01	-4.83
		3930.00	3.60	1 / 68	24.33	27.93	0.622	33.01	-5.08
100 MHz	16-QAM	3840.00	3.60	1 / 136	23.55	27.15	0.519	33.01	-5.96
	64-QAM	3840.00	3.60	1 / 136	21.93	25.53	0.357	33.01	-7.48
	256-QAM	3930.00	3.60	1 / 68	20.35	23.95	0.248	33.01	-9.06

Table 7-13. Antenna 4 EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 155 of 176

7.6.4 Antenna 1A – EIRP

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	3460.02	-0.60	1 / 13	22.61	22.01	0.159	33.01	-11.00
		3500.01	-0.60	1 / 13	22.70	22.10	0.162	33.01	-10.91
		3540.00	-0.60	1 / 13	22.26	21.66	0.147	33.01	-11.35
	QPSK	3460.02	-0.60	1 / 13	22.46	21.86	0.154	33.01	-11.15
		3500.01	-0.60	1 / 37	22.56	21.96	0.157	33.01	-11.05
		3540.00	-0.60	1 / 13	22.57	21.97	0.157	33.01	-11.04
	16-QAM	3460.02	-0.60	1 / 37	21.55	20.95	0.124	33.01	-12.06
		3500.01	-0.60	1 / 13	20.11	19.51	0.089	33.01	-13.50
		3540.00	-0.60	1 / 13	18.15	17.55	0.057	33.01	-15.46
30 MHz	π/2 BPSK	3465.00	-0.60	1 / 19	22.46	21.86	0.153	33.01	-11.15
		3500.01	-0.60	1 / 19	22.59	21.99	0.158	33.01	-11.02
		3534.99	-0.60	1 / 19	22.47	21.87	0.154	33.01	-11.14
	QPSK	3465.00	-0.60	1 / 19	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 19	22.61	22.01	0.159	33.01	-11.00
		3534.99	-0.60	1 / 19	22.57	21.97	0.157	33.01	-11.04
	16-QAM	3465.00	-0.60	1 / 19	21.51	20.91	0.123	33.01	-12.10
		3534.99	-0.60	1 / 39	19.94	19.34	0.086	33.01	-13.67
		3465.00	-0.60	1 / 39	18.07	17.47	0.056	33.01	-15.54
40 MHz	π/2 BPSK	3470.01	-0.60	1 / 79	22.34	21.74	0.149	33.01	-11.27
		3500.01	-0.60	1 / 79	22.34	21.74	0.149	33.01	-11.27
		3529.98	-0.60	1 / 53	22.70	22.10	0.162	33.01	-10.91
	QPSK	3470.01	-0.60	1 / 79	22.40	21.80	0.151	33.01	-11.21
		3500.01	-0.60	1 / 53	22.22	21.62	0.145	33.01	-11.39
		3529.98	-0.60	1 / 53	22.34	21.74	0.149	33.01	-11.27
	16-QAM	3470.01	-0.60	1 / 79	21.73	21.13	0.130	33.01	-11.88
		3529.98	-0.60	1 / 26	20.05	19.45	0.088	33.01	-13.56
		3500.01	-0.60	1 / 26	18.12	17.52	0.056	33.01	-15.49
50 MHz	π/2 BPSK	3475.02	-0.60	1 / 99	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 99	22.50	21.90	0.155	33.01	-11.11
		3525.00	-0.60	1 / 99	22.58	21.98	0.158	33.01	-11.03
	QPSK	3475.02	-0.60	1 / 99	22.39	21.79	0.151	33.01	-11.22
		3500.01	-0.60	1 / 66	22.40	21.80	0.151	33.01	-11.22
		3525.00	-0.60	1 / 66	22.54	21.94	0.156	33.01	-11.07
	16-QAM	3475.02	-0.60	1 / 33	22.01	21.41	0.138	33.01	-11.60
		3525.00	-0.60	1 / 66	20.15	19.55	0.090	33.01	-13.46
		3525.00	-0.60	1 / 33	18.00	17.40	0.055	33.01	-15.61
60 MHz	π/2 BPSK	3480.00	-0.60	1 / 40	22.58	21.98	0.158	33.01	-11.03
		3500.01	-0.60	1 / 121	22.48	21.88	0.154	33.01	-11.13
		3519.99	-0.60	1 / 121	22.54	21.94	0.156	33.01	-11.07
	QPSK	3480.00	-0.60	1 / 121	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 81	22.62	22.02	0.159	33.01	-10.99
		3519.99	-0.60	1 / 40	22.61	22.01	0.159	33.01	-11.00
	16-QAM	3480.00	-0.60	1 / 40	21.51	20.91	0.123	33.01	-12.10
		3480.00	-0.60	1 / 121	20.19	19.59	0.091	33.01	-13.43
		3480.00	-0.60	1 / 81	18.06	17.46	0.056	33.01	-15.55
70 MHz	π/2 BPSK	3485.01	-0.60	1 / 94	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 47	22.51	21.91	0.155	33.01	-11.10
		3514.98	-0.60	1 / 94	22.35	21.75	0.149	33.01	-11.26
	QPSK	3485.01	-0.60	1 / 47	22.56	21.96	0.157	33.01	-11.05
		3500.01	-0.60	1 / 47	22.47	21.87	0.154	33.01	-11.14
		3514.98	-0.60	1 / 94	22.37	21.77	0.150	33.01	-11.24
	16-QAM	3500.01	-0.60	1 / 47	21.60	21.00	0.126	33.01	-12.01
		3485.01	-0.60	1 / 94	20.15	19.55	0.090	33.01	-13.46
		3514.98	-0.60	1 / 47	18.20	17.60	0.058	33.01	-15.41
80 MHz	π/2 BPSK	3490.02	-0.60	1 / 54	22.43	21.83	0.152	33.01	-11.18
		3500.01	-0.60	1 / 54	22.54	21.94	0.156	33.01	-11.07
		3510.00	-0.60	1 / 54	22.45	21.85	0.153	33.01	-11.16
	QPSK	3490.02	-0.60	1 / 54	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 54	22.61	22.01	0.159	33.01	-11.00
		3510.00	-0.60	1 / 108	22.60	22.00	0.158	33.01	-11.01
	16-QAM	3490.02	-0.60	1 / 54	21.87	21.27	0.134	33.01	-11.74
		3510.00	-0.60	1 / 108	20.31	19.71	0.094	33.01	-13.30
		3490.02	-0.60	1 / 108	18.20	17.60	0.058	33.01	-15.41
90 MHz	π/2 BPSK	3495.00	-0.60	1 / 122	22.38	21.78	0.151	33.01	-11.23
		3500.01	-0.60	1 / 61	22.70	22.10	0.162	33.01	-10.91
		3504.99	-0.60	1 / 122	22.34	21.74	0.149	33.01	-11.27
	QPSK	3495.00	-0.60	1 / 61	22.54	21.94	0.156	33.01	-11.07
		3500.01	-0.60	1 / 122	22.54	21.94	0.156	33.01	-11.07
		3504.99	-0.60	1 / 122	22.33	21.73	0.149	33.01	-11.28
	16-QAM	3504.99	-0.60	1 / 122	21.48	20.88	0.122	33.01	-12.13
		3495.00	-0.60	1 / 183	20.01	19.41	0.087	33.01	-13.60
		3500.01	-0.60	1 / 61	18.22	17.62	0.058	33.01	-15.39
100 MHz	π/2 BPSK	3500.01	-0.60	1 / 68	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 68	22.49	21.89	0.154	33.01	-11.12
		3500.01	-0.60	1 / 136	21.14	20.54	0.113	33.01	-12.47
	QPSK	3500.01	-0.60	1 / 204	19.60	19.00	0.080	33.01	-14.01
		3500.01	-0.60	1 / 68	18.26	17.66	0.058	33.01	-15.35

Table 7-14. Antenna 1A EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 156 of 176

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	3460.02	-0.60	1 / 25	22.68	22.08	0.161	33.01	-10.93
		3500.01	-0.60	1 / 13	22.58	21.98	0.158	33.01	-11.03
		3540.00	-0.60	1 / 25	22.55	21.95	0.157	33.01	-11.06
	QPSK	3460.02	-0.60	1 / 37	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 13	22.54	21.94	0.156	33.01	-11.07
		3540.00	-0.60	1 / 13	22.51	21.91	0.155	33.01	-11.10
	16-QAM	3460.02	-0.60	1 / 13	21.53	20.93	0.124	33.01	-12.08
	64-QAM	3500.01	-0.60	1 / 13	20.39	19.79	0.095	33.01	-13.22
	256-QAM	3500.01	-0.60	1 / 13	18.10	17.50	0.056	33.01	-15.52
	π/2 BPSK	3465.00	-0.60	1 / 39	22.55	21.95	0.157	33.01	-11.06
		3500.01	-0.60	1 / 58	22.69	22.09	0.162	33.01	-10.92
		3534.99	-0.60	1 / 39	22.70	22.10	0.162	33.01	-10.91
30 MHz	QPSK	3465.00	-0.60	1 / 19	22.59	21.99	0.158	33.01	-11.02
		3500.01	-0.60	1 / 19	22.51	21.91	0.155	33.01	-11.10
		3534.99	-0.60	1 / 19	22.53	21.93	0.156	33.01	-11.08
	16-QAM	3534.99	-0.60	1 / 19	21.62	21.02	0.127	33.01	-11.99
	64-QAM	3465.00	-0.60	1 / 39	20.13	19.53	0.090	33.01	-13.48
	256-QAM	3500.01	-0.60	1 / 39	18.09	17.49	0.056	33.01	-15.52
	π/2 BPSK	3470.01	-0.60	1 / 79	22.40	21.80	0.151	33.01	-11.21
		3500.01	-0.60	1 / 79	22.60	22.00	0.158	33.01	-11.01
		3529.98	-0.60	1 / 26	22.51	21.91	0.155	33.01	-11.10
	QPSK	3470.01	-0.60	1 / 79	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 26	22.44	21.84	0.153	33.01	-11.17
		3529.98	-0.60	1 / 79	22.49	21.89	0.154	33.01	-11.12
40 MHz	16-QAM	3500.01	-0.60	1 / 26	21.37	20.77	0.119	33.01	-12.24
	64-QAM	3500.01	-0.60	1 / 26	20.66	20.06	0.101	33.01	-12.95
	256-QAM	3470.01	-0.60	1 / 79	18.07	17.47	0.056	33.01	-15.54
	π/2 BPSK	3475.02	-0.60	1 / 33	22.38	21.78	0.151	33.01	-11.23
		3500.01	-0.60	1 / 66	22.41	21.81	0.152	33.01	-11.20
		3525.00	-0.60	1 / 66	22.70	22.10	0.162	33.01	-10.91
	QPSK	3475.02	-0.60	1 / 66	22.47	21.87	0.154	33.01	-11.14
		3500.01	-0.60	1 / 33	22.55	21.95	0.157	33.01	-11.06
		3525.00	-0.60	1 / 66	22.61	22.01	0.159	33.01	-11.00
	16-QAM	3475.02	-0.60	1 / 33	21.62	21.02	0.126	33.01	-11.99
	64-QAM	3475.02	-0.60	1 / 99	20.12	19.52	0.090	33.01	-13.49
	256-QAM	3525.00	-0.60	1 / 99	18.25	17.65	0.058	33.01	-15.36
50 MHz	π/2 BPSK	3480.00	-0.60	1 / 121	22.63	22.03	0.160	33.01	-10.98
		3500.01	-0.60	1 / 40	22.27	21.67	0.147	33.01	-11.34
		3519.99	-0.60	1 / 121	22.36	21.76	0.150	33.01	-11.25
	QPSK	3480.00	-0.60	1 / 121	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 121	22.25	21.65	0.146	33.01	-11.36
		3519.99	-0.60	1 / 40	22.17	21.57	0.144	33.01	-11.44
	16-QAM	3500.01	-0.60	1 / 81	21.70	21.10	0.129	33.01	-11.91
	64-QAM	3480.00	-0.60	1 / 40	20.23	19.63	0.092	33.01	-13.38
	256-QAM	3519.99	-0.60	1 / 81	18.22	17.62	0.058	33.01	-15.39
	π/2 BPSK	3485.01	-0.60	1 / 94	22.58	21.98	0.158	33.01	-11.03
		3500.01	-0.60	1 / 141	22.70	22.10	0.162	33.01	-10.91
		3514.98	-0.60	1 / 94	22.67	22.07	0.161	33.01	-10.94
60 MHz	QPSK	3485.01	-0.60	1 / 47	22.47	21.87	0.154	33.01	-11.14
		3500.01	-0.60	1 / 94	22.41	21.81	0.152	33.01	-11.20
		3514.98	-0.60	1 / 47	22.42	21.82	0.152	33.01	-11.19
	16-QAM	3514.98	-0.60	1 / 47	21.84	21.24	0.133	33.01	-11.77
	64-QAM	3485.01	-0.60	1 / 94	20.35	19.75	0.094	33.01	-13.26
	256-QAM	3500.01	-0.60	1 / 94	18.09	17.49	0.056	33.01	-15.52
	π/2 BPSK	3490.02	-0.60	1 / 108	22.52	21.92	0.155	33.01	-11.09
		3500.01	-0.60	1 / 54	22.70	22.10	0.162	33.01	-10.91
		3510.00	-0.60	1 / 54	22.69	22.09	0.162	33.01	-10.92
70 MHz	QPSK	3490.02	-0.60	1 / 54	22.51	21.91	0.155	33.01	-11.11
		3500.01	-0.60	1 / 108	22.68	22.08	0.162	33.01	-10.93
		3510.00	-0.60	1 / 54	22.60	22.00	0.159	33.01	-11.01
	16-QAM	3490.02	-0.60	1 / 54	21.66	21.06	0.128	33.01	-11.95
	64-QAM	3490.02	-0.60	1 / 54	20.17	19.57	0.091	33.01	-13.44
	256-QAM	3510.00	-0.60	1 / 108	18.07	17.47	0.056	33.01	-15.54
	π/2 BPSK	3495.00	-0.60	1 / 122	22.54	21.94	0.156	33.01	-11.07
		3500.01	-0.60	1 / 61	22.26	21.66	0.146	33.01	-11.35
		3504.99	-0.60	1 / 61	22.54	21.94	0.156	33.01	-11.07
90 MHz	QPSK	3495.00	-0.60	1 / 61	22.33	21.73	0.149	33.01	-11.28
		3500.01	-0.60	1 / 61	22.55	21.95	0.156	33.01	-11.07
		3504.99	-0.60	1 / 61	22.70	22.10	0.162	33.01	-10.91
	16-QAM	3500.01	-0.60	1 / 122	21.51	20.91	0.123	33.01	-12.10
	64-QAM	3500.01	-0.60	1 / 61	20.11	19.51	0.089	33.01	-13.50
	256-QAM	3500.01	-0.60	1 / 61	18.18	17.58	0.057	33.01	-15.43
	π/2 BPSK	3500.01	-0.60	1 / 68	22.70	22.10	0.162	33.01	-10.91
		3500.01	-0.60	1 / 68	22.63	22.03	0.160	33.01	-10.98
		3504.99	-0.60	1 / 136	21.29	20.69	0.117	33.01	-12.32
100 MHz	16-QAM	3500.01	-0.60	1 / 68	19.74	19.14	0.082	33.01	-13.87
	64-QAM	3500.01	-0.60	1 / 136	18.17	17.57	0.057	33.01	-15.44

Table 7-15. Antenna 1A EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 157 of 176

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	3710.01	-0.60	1 / 37	22.70	22.10	0.162	33.01	-10.91
		3840.00	-0.60	1 / 25	22.52	21.92	0.155	33.01	-11.09
		3969.99	-0.60	1 / 13	22.56	21.96	0.157	33.01	-11.05
	QPSK	3710.01	-0.60	1 / 13	22.42	21.82	0.152	33.01	-11.19
		3840.00	-0.60	1 / 37	22.27	21.67	0.147	33.01	-11.34
		3969.99	-0.60	1 / 13	22.30	21.70	0.148	33.01	-11.31
	16-QAM	3969.99	-0.60	1 / 37	21.46	20.86	0.122	33.01	-12.15
	64-QAM	3969.99	-0.60	1 / 37	20.11	19.51	0.089	33.01	-13.50
	256-QAM	3840.00	-0.60	1 / 13	18.17	17.57	0.057	33.01	-15.44
	π/2 BPSK	3715.02	-0.60	1 / 39	22.55	21.95	0.157	33.01	-11.06
		3840.00	-0.60	1 / 39	22.70	22.10	0.162	33.01	-10.91
		3964.98	-0.60	1 / 58	22.52	21.92	0.156	33.01	-11.09
30 MHz	QPSK	3715.02	-0.60	1 / 19	22.52	21.92	0.156	33.01	-11.09
		3840.00	-0.60	1 / 58	22.61	22.01	0.159	33.01	-11.00
		3964.98	-0.60	1 / 39	22.35	21.75	0.150	33.01	-11.26
	16-QAM	3715.02	-0.60	1 / 39	21.67	21.07	0.128	33.01	-11.94
	64-QAM	3715.02	-0.60	1 / 58	20.13	19.53	0.090	33.01	-13.48
	256-QAM	3840.00	-0.60	1 / 58	18.09	17.49	0.056	33.01	-15.52
	π/2 BPSK	3720.00	-0.60	1 / 26	22.70	22.10	0.162	33.01	-10.91
		3840.00	-0.60	1 / 79	22.35	21.75	0.150	33.01	-11.26
		3960.00	-0.60	1 / 26	22.20	21.60	0.145	33.01	-11.41
	QPSK	3720.00	-0.60	1 / 26	21.97	21.37	0.137	33.01	-11.64
		3840.00	-0.60	1 / 26	21.95	21.35	0.136	33.01	-11.66
		3960.00	-0.60	1 / 53	21.87	21.27	0.134	33.01	-11.74
40 MHz	16-QAM	3720.00	-0.60	1 / 79	21.00	20.40	0.110	33.01	-12.61
	64-QAM	3840.00	-0.60	1 / 26	19.80	19.20	0.083	33.01	-13.81
	256-QAM	3840.00	-0.60	1 / 26	18.25	17.65	0.058	33.01	-15.36
	π/2 BPSK	3725.01	-0.60	1 / 99	22.38	21.78	0.151	33.01	-11.23
		3840.00	-0.60	1 / 99	22.70	22.10	0.162	33.01	-10.91
		3954.99	-0.60	1 / 33	22.68	22.08	0.161	33.01	-10.94
	QPSK	3725.01	-0.60	1 / 33	22.55	21.95	0.157	33.01	-11.06
		3840.00	-0.60	1 / 99	22.58	21.98	0.158	33.01	-11.03
		3954.99	-0.60	1 / 66	22.55	21.95	0.157	33.01	-11.06
	16-QAM	3954.99	-0.60	1 / 33	21.42	20.82	0.121	33.01	-12.19
	64-QAM	3954.99	-0.60	1 / 33	20.28	19.68	0.093	33.01	-13.33
	256-QAM	3954.99	-0.60	1 / 33	18.40	17.80	0.060	33.01	-15.21
50 MHz	π/2 BPSK	3730.02	-0.60	1 / 81	22.52	21.92	0.156	33.01	-11.09
		3840.00	-0.60	1 / 81	22.67	22.07	0.161	33.01	-10.94
		3949.98	-0.60	1 / 40	22.46	21.86	0.153	33.01	-11.15
	QPSK	3730.02	-0.60	1 / 40	22.59	21.99	0.158	33.01	-11.02
		3840.00	-0.60	1 / 121	22.70	22.10	0.162	33.01	-10.91
		3949.98	-0.60	1 / 81	22.30	21.70	0.148	33.01	-11.31
	16-QAM	3840.00	-0.60	1 / 81	21.60	21.00	0.126	33.01	-12.01
	64-QAM	3840.00	-0.60	1 / 121	20.27	19.67	0.093	33.01	-13.34
	256-QAM	3949.98	-0.60	1 / 40	17.98	17.38	0.055	33.01	-15.63
	π/2 BPSK	3735.00	-0.60	1 / 141	22.56	21.96	0.157	33.01	-11.05
		3840.00	-0.60	1 / 94	22.66	22.06	0.161	33.01	-10.95
		3945.00	-0.60	1 / 47	22.53	21.93	0.156	33.01	-11.08
60 MHz	QPSK	3735.00	-0.60	1 / 47	22.63	22.03	0.160	33.01	-10.98
		3840.00	-0.60	1 / 94	22.47	21.87	0.154	33.01	-11.14
		3945.00	-0.60	1 / 47	22.70	22.10	0.162	33.01	-10.91
	16-QAM	3945.00	-0.60	1 / 47	21.44	20.84	0.121	33.01	-12.17
	64-QAM	3945.00	-0.60	1 / 47	20.18	19.58	0.091	33.01	-13.43
	256-QAM	3735.00	-0.60	1 / 141	18.29	17.69	0.059	33.01	-15.32
	π/2 BPSK	3740.01	-0.60	1 / 162	22.36	21.76	0.150	33.01	-11.25
		3840.00	-0.60	1 / 162	22.55	21.95	0.157	33.01	-11.06
		3939.99	-0.60	1 / 162	22.26	21.66	0.147	33.01	-11.35
70 MHz	QPSK	3740.01	-0.60	1 / 54	22.70	22.10	0.162	33.01	-10.91
		3840.00	-0.60	1 / 108	22.62	22.02	0.159	33.01	-11.00
		3939.99	-0.60	1 / 54	22.39	21.79	0.151	33.01	-11.22
	16-QAM	3939.99	-0.60	1 / 54	21.27	20.67	0.117	33.01	-12.34
	64-QAM	3840.00	-0.60	1 / 108	20.31	19.71	0.094	33.01	-13.30
	256-QAM	3840.00	-0.60	1 / 108	18.10	17.50	0.056	33.01	-15.51
	π/2 BPSK	3745.02	-0.60	1 / 122	22.70	22.10	0.162	33.01	-10.91
		3840.00	-0.60	1 / 61	22.65	22.05	0.160	33.01	-10.96
		3934.98	-0.60	1 / 122	22.12	21.52	0.142	33.01	-11.49
80 MHz	QPSK	3745.02	-0.60	1 / 61	22.38	21.78	0.151	33.01	-11.23
		3840.00	-0.60	1 / 61	22.32	21.72	0.149	33.01	-11.29
		3934.98	-0.60	1 / 61	22.20	21.60	0.145	33.01	-11.41
	16-QAM	3840.00	-0.60	1 / 122	21.23	20.63	0.116	33.01	-12.38
	64-QAM	3840.00	-0.60	1 / 61	20.20	19.60	0.091	33.01	-13.41
	256-QAM	3840.00	-0.60	1 / 122	18.23	17.63	0.058	33.01	-15.38
	π/2 BPSK	3750.00	-0.60	1 / 68	22.65	22.05	0.160	33.01	-10.96
		3840.00	-0.60	1 / 204	22.54	21.94	0.156	33.01	-11.07
		3930.00	-0.60	1 / 68	22.50	21.90	0.155	33.01	-11.11
90 MHz	QPSK	3750.00	-0.60	1 / 204	22.66	22.06	0.161	33.01	-10.95
		3840.00	-0.60	1 / 136	22.70	22.10	0.162	33.01	-10.91
		3930.00	-0.60	1 / 68	22.58	21.98	0.158	33.01	-11.03
	16-QAM	3840.00	-0.60	1 / 204	21.40	20.80	0.120	33.01	-12.21
	64-QAM	3930.00	-0.60	1 / 68	20.34	19.74	0.094	33.01	-13.27
	256-QAM	3840.00	-0.60	1 / 136	18.27	17.67	0.058	33.01	-15.34

Table 7-16. Antenna 1A EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 158 of 176

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	3710.01	-0.60	1 / 25	22.70	22.10	0.162	33.01	-10.91	
		3840.00	-0.60	1 / 37	22.60	22.00	0.158	33.01	-11.01	
		3969.99	-0.60	1 / 37	22.63	22.03	0.159	33.01	-10.98	
		3710.01	-0.60	1 / 25	22.49	21.89	0.155	33.01	-11.12	
	QPSK	3840.00	-0.60	1 / 13	22.62	22.02	0.159	33.01	-10.99	
		3969.99	-0.60	1 / 13	22.54	21.94	0.156	33.01	-11.07	
		16-QAM	3840.00	-0.60	1 / 37	21.57	20.97	0.125	33.01	-12.04
		64-QAM	3710.01	-0.60	1 / 37	20.49	19.89	0.097	33.01	-13.12
	256-QAM	3840.00	-0.60	1 / 13	18.26	17.66	0.058	33.01	-15.35	
		3715.02	-0.60	1 / 58	22.45	21.85	0.153	33.01	-11.17	
		3840.00	-0.60	1 / 58	22.37	21.77	0.150	33.01	-11.24	
		3964.98	-0.60	1 / 19	22.21	21.61	0.145	33.01	-11.40	
30 MHz	π/2 BPSK	3715.02	-0.60	1 / 19	22.50	21.90	0.155	33.01	-11.11	
		3840.00	-0.60	1 / 58	22.70	22.10	0.162	33.01	-10.91	
		3964.98	-0.60	1 / 19	22.55	21.95	0.157	33.01	-11.06	
		16-QAM	3840.00	-0.60	1 / 39	21.55	20.95	0.125	33.01	-12.06
	QPSK	3840.00	-0.60	1 / 58	20.15	19.55	0.090	33.01	-13.46	
		3964.98	-0.60	1 / 39	18.27	17.67	0.059	33.01	-15.34	
		64-QAM	3840.00	-0.60	1 / 79	21.22	20.62	0.115	33.01	-12.39
		256-QAM	3715.02	-0.60	1 / 26	18.36	17.76	0.060	33.01	-15.25
	π/2 BPSK	3720.00	-0.60	1 / 79	22.43	21.83	0.153	33.01	-11.18	
		3840.00	-0.60	1 / 26	22.70	22.10	0.162	33.01	-10.91	
		3960.00	-0.60	1 / 79	22.45	21.85	0.153	33.01	-11.16	
		3720.00	-0.60	1 / 79	22.52	21.92	0.155	33.01	-11.09	
40 MHz	QPSK	3840.00	-0.60	1 / 26	22.53	21.93	0.156	33.01	-11.08	
		3960.00	-0.60	1 / 26	22.31	21.71	0.148	33.01	-11.30	
		16-QAM	3840.00	-0.60	1 / 26	21.22	20.62	0.115	33.01	-12.39
		64-QAM	3840.00	-0.60	1 / 79	20.18	19.58	0.091	33.01	-13.43
	256-QAM	3960.00	-0.60	1 / 26	18.36	17.76	0.060	33.01	-15.25	
		3725.01	-0.60	1 / 33	22.70	22.10	0.162	33.01	-10.91	
		3840.00	-0.60	1 / 99	22.58	21.98	0.158	33.01	-11.03	
		3954.99	-0.60	1 / 33	22.63	22.03	0.160	33.01	-10.98	
	QPSK	3725.01	-0.60	1 / 33	22.36	21.76	0.150	33.01	-11.25	
		3840.00	-0.60	1 / 66	22.50	21.90	0.155	33.01	-11.11	
		3954.99	-0.60	1 / 66	22.44	21.84	0.153	33.01	-11.17	
		16-QAM	3954.99	-0.60	1 / 33	21.68	21.08	0.128	33.01	-11.93
50 MHz	64-QAM	3840.00	-0.60	1 / 99	20.58	19.98	0.100	33.01	-13.03	
		256-QAM	3954.99	-0.60	1 / 33	18.41	17.81	0.060	33.01	-15.20
	π/2 BPSK	3730.02	-0.60	1 / 81	22.27	21.67	0.147	33.01	-11.34	
		3840.00	-0.60	1 / 121	22.70	22.10	0.162	33.01	-10.91	
		3949.98	-0.60	1 / 81	22.58	21.98	0.158	33.01	-11.03	
		3730.02	-0.60	1 / 81	22.40	21.80	0.151	33.01	-11.21	
	QPSK	3840.00	-0.60	1 / 81	22.61	22.01	0.159	33.01	-11.00	
		3949.98	-0.60	1 / 40	22.37	21.77	0.150	33.01	-11.24	
		16-QAM	3840.00	-0.60	1 / 40	21.50	20.90	0.123	33.01	-12.11
		64-QAM	3840.00	-0.60	1 / 121	20.16	19.56	0.090	33.01	-13.45
	256-QAM	3730.02	-0.60	1 / 121	18.22	17.62	0.058	33.01	-15.39	
60 MHz	π/2 BPSK	3735.00	-0.60	1 / 141	22.26	21.66	0.146	33.01	-11.35	
		3840.00	-0.60	1 / 141	22.53	21.93	0.156	33.01	-11.08	
		3945.00	-0.60	1 / 47	22.50	21.90	0.155	33.01	-11.11	
		3735.00	-0.60	1 / 141	22.47	21.87	0.154	33.01	-11.14	
	QPSK	3840.00	-0.60	1 / 94	22.70	22.10	0.162	33.01	-10.91	
		3945.00	-0.60	1 / 94	22.47	21.87	0.154	33.01	-11.14	
		16-QAM	3735.00	-0.60	1 / 94	21.26	20.66	0.117	33.01	-12.35
		64-QAM	3840.00	-0.60	1 / 47	19.93	19.33	0.086	33.01	-13.68
	256-QAM	3840.00	-0.60	1 / 94	18.31	17.71	0.059	33.01	-15.30	
70 MHz	π/2 BPSK	3735.00	-0.60	1 / 141	22.26	21.66	0.146	33.01	-11.35	
		3840.00	-0.60	1 / 141	22.53	21.93	0.156	33.01	-11.08	
		3945.00	-0.60	1 / 47	22.50	21.90	0.155	33.01	-11.11	
		3735.00	-0.60	1 / 141	22.47	21.87	0.154	33.01	-11.14	
	QPSK	3840.00	-0.60	1 / 94	22.70	22.10	0.162	33.01	-10.91	
		3945.00	-0.60	1 / 94	22.47	21.87	0.154	33.01	-11.14	
		16-QAM	3735.00	-0.60	1 / 94	21.26	20.66	0.117	33.01	-12.35
		64-QAM	3840.00	-0.60	1 / 47	19.93	19.33	0.086	33.01	-13.68
	256-QAM	3840.00	-0.60	1 / 94	18.31	17.71	0.059	33.01	-15.30	
80 MHz	π/2 BPSK	3740.01	-0.60	1 / 54	22.34	21.74	0.149	33.01	-11.27	
		3840.00	-0.60	1 / 54	22.29	21.69	0.148	33.01	-11.32	
		3939.99	-0.60	1 / 54	22.40	21.80	0.151	33.01	-11.21	
		3740.01	-0.60	1 / 108	22.48	21.88	0.154	33.01	-11.13	
	QPSK	3840.00	-0.60	1 / 108	22.70	22.10	0.162	33.01	-10.91	
		3939.99	-0.60	1 / 54	22.56	21.96	0.157	33.01	-11.05	
		16-QAM	3939.99	-0.60	1 / 108	21.15	20.55	0.114	33.01	-12.46
		64-QAM	3840.00	-0.60	1 / 54	20.17	19.57	0.091	33.01	-13.44
	256-QAM	3740.01	-0.60	1 / 108	18.27	17.67	0.058	33.01	-15.34	
90 MHz	π/2 BPSK	3745.02	-0.60	1 / 122	22.68	22.08	0.161	33.01	-10.93	
		3840.00	-0.60	1 / 122	22.55	21.95	0.156	33.01	-11.07	
		3934.98	-0.60	1 / 122	22.35	21.75	0.150	33.01	-11.26	
		3745.02	-0.60	1 / 61	22.70	22.10	0.162	33.01	-10.91	
	QPSK	3840.00	-0.60	1 / 122	22.53	21.93	0.156	33.01	-11.08	
		3934.98	-0.60	1 / 183	22.43	21.83	0.153	33.01	-11.18	
		16-QAM	3745.02	-0.60	1 / 61	21.25	20.65	0.116	33.01	-12.36
		64-QAM	3745.02	-0.60	1 / 61	20.10	19.50	0.089	33.01	-13.51
	256-QAM	3840.00	-0.60	1 / 122	18.20	17.60	0.058	33.01	-15.41	
100 MHz	π/2 BPSK	3750.00	-0.60	1 / 136	22.70	22.10	0.162	33.01	-10.91	
		3840.00	-0.60	1 / 68	22.63	22.03	0.160	33.01	-10.98	
		3930.00	-0.60	1 / 68	22.52	21.92	0.156	33.01	-11.09	
		3750.00	-0.60	1 / 204	22.60	22.00	0.158	33.01	-11.01	
	QPSK	3840.00	-0.60	1 / 68	22.51	21.91	0.155	33.01	-11.10	
		3930.00	-0.60	1 / 68	22.36	21.76	0.150	33.01	-11.25	
		16-QAM	3930.00	-0.60	1 / 68	21.95	21.35	0.136	33.01	-11.66
		64-QAM	3930.00	-0.60	1 / 136	20.34	19.74	0.094	33.01	-13.27
	256-QAM	3750.00	-0.60	1 / 68	18.22	17.62	0.058	33.01	-15.39	

Table 7-17. Antenna 1A EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					Page 159 of 176

7.7 Radiated Spurious Emissions Measurements

§2.1053, §27.53(l), §27.53(n)

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 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device		Page 160 of 176

Test Setup

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

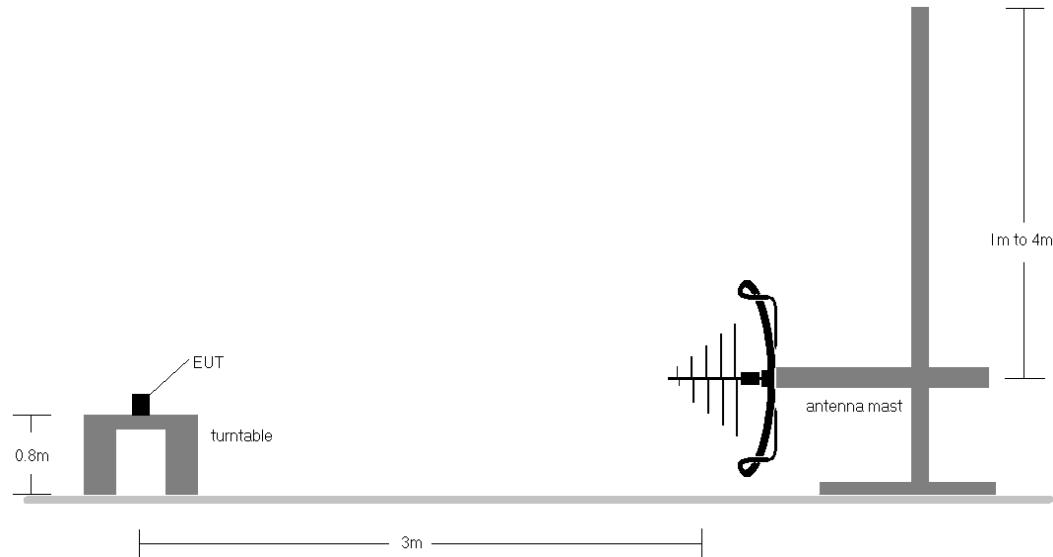


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

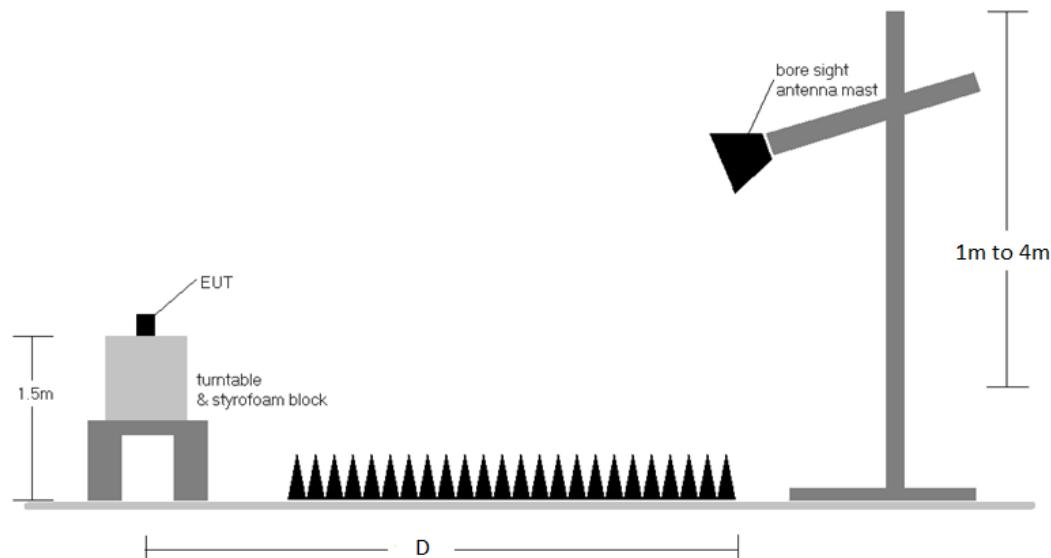


Figure 7-7. Test Instrument & Measurement Setup > 1 GHz

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device		Page 161 of 176

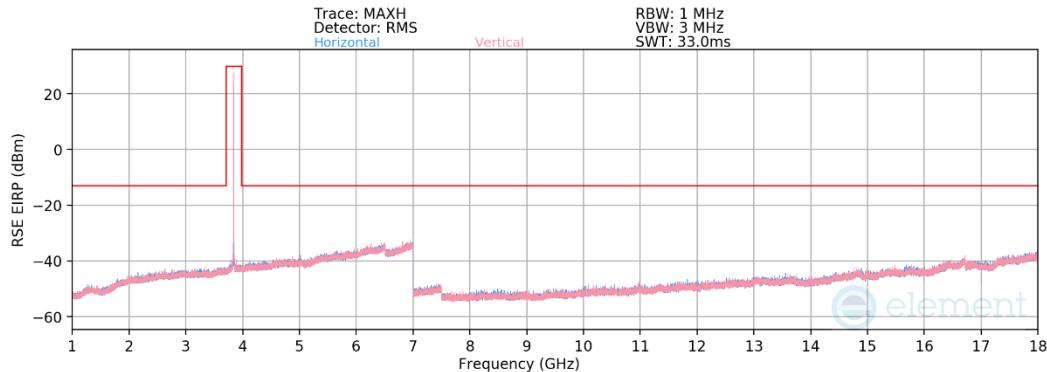
Test Notes

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. 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.
8. 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.

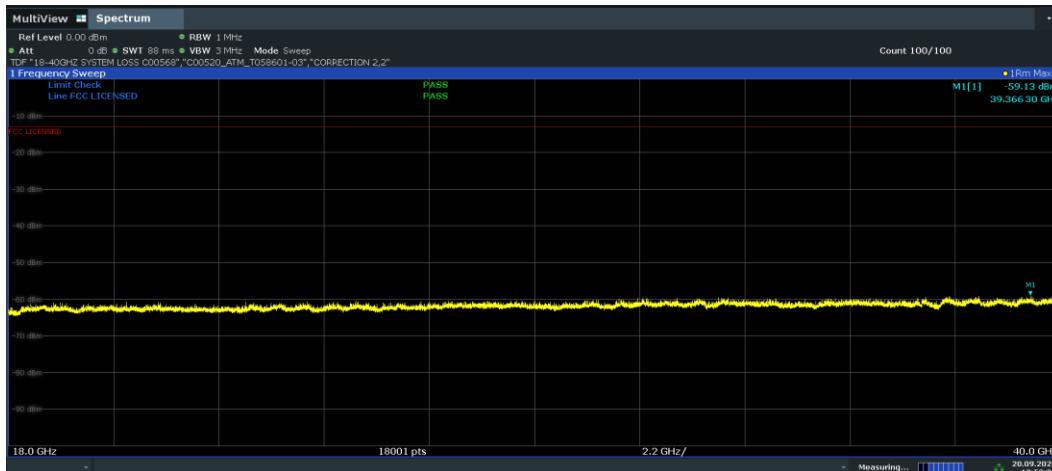
FCC ID: BCGA2757	element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.1 Antenna 3B Radiated Spurious Emission Measurements

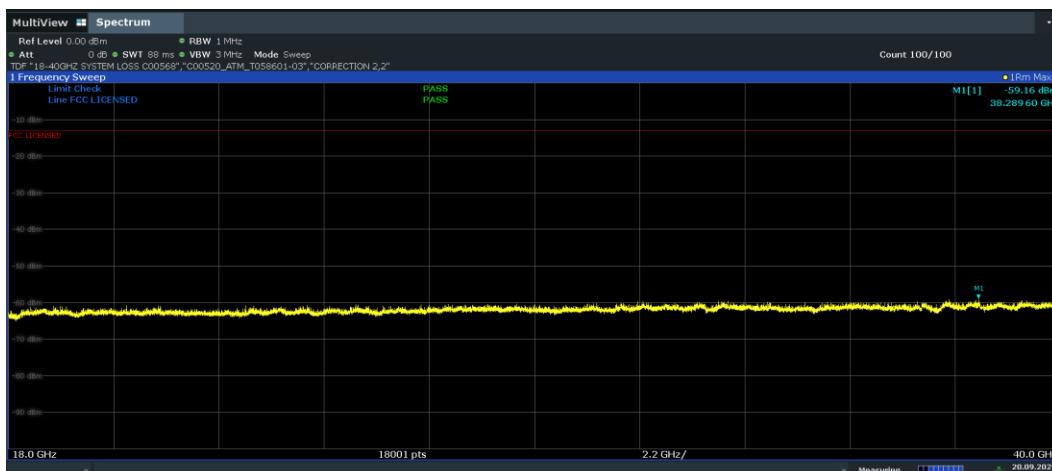
NR Band n77 DoD Band



Plot 7-235. Antenna 3B Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-236. Antenna 3B Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band, Pol. H)



Plot 7-237. Antenna 3B Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band, Pol. V)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	90
Frequency (MHz):	3495.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	-	-	-80.19	10.56	37.37	-57.89	-13.00	-44.89
10485.0	V	-	-	-83.46	12.66	36.20	-59.06	-13.00	-46.06
13980.0	V	-	-	-84.56	15.25	37.69	-57.57	-13.00	-44.57

Table 7-18. Antenna 3B Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 268

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	-	-	-80.17	10.77	37.60	-57.66	-13.00	-44.66
10500.0	V	-	-	-83.43	12.74	36.31	-58.95	-13.00	-45.95
14000.0	V	-	-	-84.42	15.47	38.05	-57.21	-13.00	-44.21

Table 7-19. Antenna 3B Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

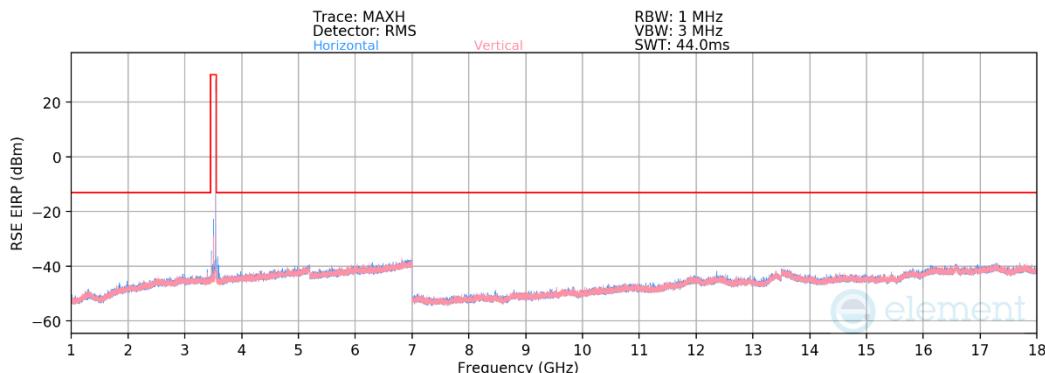
Bandwidth (MHz):	90
Frequency (MHz):	3505.0
RB / Offset:	1 / 238

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	-	-	-80.34	10.69	37.35	-57.91	-13.00	-44.91
10515.0	V	-	-	-83.37	12.66	36.29	-58.97	-13.00	-45.97
14020.0	V	-	-	-84.48	15.27	37.79	-57.46	-13.00	-44.46

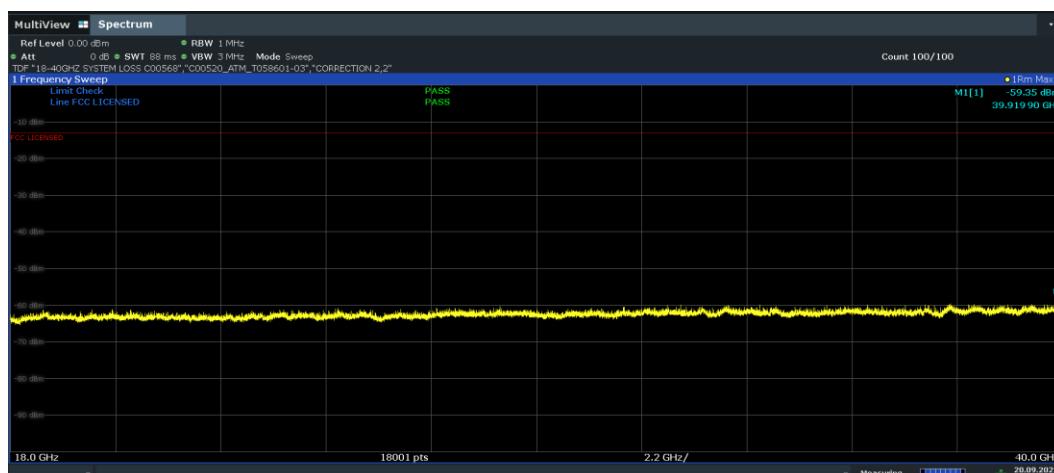
Table 7-20. Antenna 3B Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					

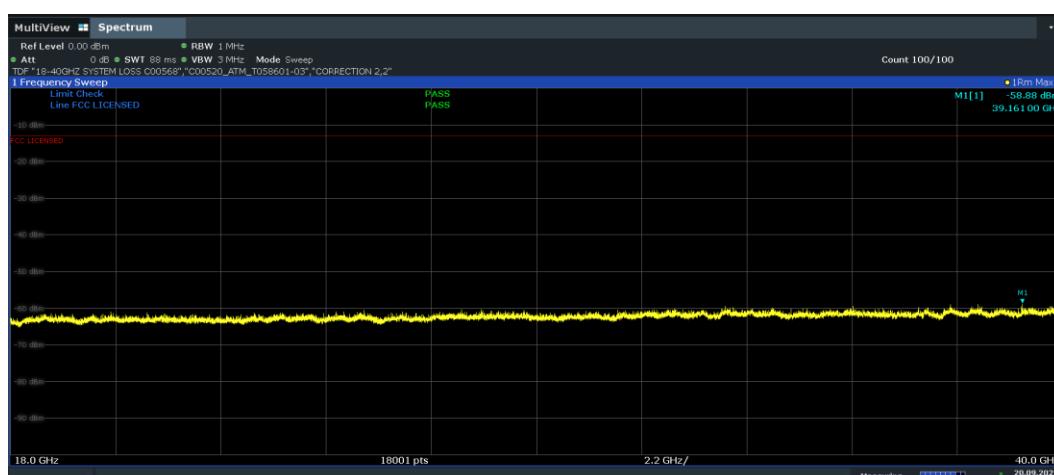
NR Band n77 C Band



Plot 7-238. Antenna 3B Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-239. Antenna 3B Radiated Spurious Emission above 18GHz (NR Band n77 C Band, Pol. H)



Plot 7-240. Antenna 3B Radiated Spurious Emission above 18GHz (NR Band n77 C Band, Pol. V)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device		Page 165 of 176

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	-	-	-	-79.65	9.99	37.34	-57.92	-13.00	-44.92
11250.0	-	-	-	-83.38	12.97	36.59	-58.66	-13.00	-45.66
15000.0	-	-	-	-85.03	17.37	39.34	-55.92	-13.00	-42.92

Table 7-21. Antenna 3B Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	-	-	-	-83.06	10.13	34.07	-61.19	-13.00	-48.19
11520.0	-	-	-	-83.59	13.40	36.81	-58.45	-13.00	-45.45
15360.0	-	-	-	-84.97	18.24	40.27	-54.99	-13.00	-41.99

Table 7-22. Antenna 3B Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	-	-	-	-82.88	10.31	34.43	-60.83	-13.00	-47.83
11790.0	-	-	-	-84.00	14.06	37.06	-58.20	-13.00	-45.20
15720.0	-	-	-	-85.10	18.75	40.65	-54.61	-13.00	-41.61

Table 7-23. Antenna 3B Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					

7.7.2 Antenna 2A Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90								
Frequency (MHz):	3495.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	-	-	-	-80.07	10.56	37.49	-57.77	-13.00	-44.77
10485.0	-	-	-	-83.42	12.66	36.24	-59.02	-13.00	-46.02
13980.0	-	-	-	-84.42	15.25	37.83	-57.43	-13.00	-44.43

Table 7-24. Antenna 2A Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100								
Frequency (MHz):	3500.0								
RB / Offset:	1 / 268								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	-	-	-	-80.08	10.77	37.69	-57.57	-13.00	-44.57
10500.0	-	-	-	-83.25	12.74	36.49	-58.77	-13.00	-45.77
14000.0	-	-	-	-84.41	15.47	38.06	-57.20	-13.00	-44.20

Table 7-25. Antenna 2A Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90								
Frequency (MHz):	3505.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	-	-	-	-80.17	10.69	37.52	-57.74	-13.00	-44.74
10515.0	-	-	-	-83.28	12.66	36.38	-58.88	-13.00	-45.88
14020.0	-	-	-	-84.26	15.27	38.01	-57.24	-13.00	-44.24

Table 7-26. Antenna 2A Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device				

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NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	-	-	-	-79.51	9.99	37.48	-57.78	-13.00	-44.78
11250.0	-	-	-	-83.26	12.97	36.71	-58.54	-13.00	-45.54
15000.0	-	-	-	-84.97	17.37	39.40	-55.86	-13.00	-42.86

Table 7-27. Antenna 2A Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	-	-	-	-82.82	10.13	34.31	-60.95	-13.00	-47.95
11520.0	-	-	-	-83.39	13.40	37.01	-58.25	-13.00	-45.25
15360.0	-	-	-	-84.75	18.24	40.49	-54.77	-13.00	-41.77

Table 7-28. Antenna 2A Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	-	-	-	-82.79	10.31	34.52	-60.74	-13.00	-47.74
11790.0	-	-	-	-83.44	14.06	37.62	-57.64	-13.00	-44.64
15720.0	-	-	-	-84.89	18.75	40.86	-54.40	-13.00	-41.40

Table 7-29. Antenna 2A Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device				Page 168 of 176

7.7.3 Antenna 4 Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90								
Frequency (MHz):	3495.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	-	-	-	-80.20	10.56	37.36	-57.90	-13.00	-44.90
10485.0	-	-	-	-83.44	12.66	36.22	-59.04	-13.00	-46.04
13980.0	-	-	-	-84.34	15.25	37.91	-57.35	-13.00	-44.35

Table 7-30. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100								
Frequency (MHz):	3500.0								
RB / Offset:	1 / 268								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	-	-	-	-80.28	10.77	37.49	-57.77	-13.00	-44.77
10500.0	-	-	-	-83.30	12.74	36.44	-58.82	-13.00	-45.82
14000.0	-	-	-	-84.18	15.47	38.29	-56.97	-13.00	-43.97

Table 7-31. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90								
Frequency (MHz):	3505.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	-	-	-	-80.30	10.69	37.39	-57.87	-13.00	-44.87
10515.0	-	-	-	-83.04	12.66	36.62	-58.64	-13.00	-45.64
14020.0	-	-	-	-84.30	15.27	37.97	-57.28	-13.00	-44.28

Table 7-32. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
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NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	-	-	-	-79.70	9.99	37.29	-57.97	-13.00	-44.97
11250.0	-	-	-	-83.53	12.97	36.44	-58.81	-13.00	-45.81
15000.0	-	-	-	-84.76	17.37	39.61	-55.65	-13.00	-42.65

Table 7-33. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	-	-	-	-82.67	10.13	34.46	-60.80	-13.00	-47.80
11520.0	-	-	-	-83.42	13.40	36.98	-58.28	-13.00	-45.28
15360.0	-	-	-	-84.75	18.24	40.49	-54.77	-13.00	-41.77

Table 7-34. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	-	-	-	-83.02	10.31	34.29	-60.97	-13.00	-47.97
11790.0	-	-	-	-83.74	14.06	37.32	-57.94	-13.00	-44.94
15720.0	-	-	-	-84.73	18.75	41.02	-54.24	-13.00	-41.24

Table 7-35. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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7.7.4 Antenna 1A Radiated Spurious Emission Measurements

NR Band n77 DoD Band

Bandwidth (MHz):	90								
Frequency (MHz):	3495.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	-	-	-	-80.21	10.56	37.35	-57.91	-13.00	-44.91
10485.0	-	-	-	-83.27	12.66	36.39	-58.87	-13.00	-45.87
13980.0	-	-	-	-84.17	15.25	38.08	-57.18	-13.00	-44.18

Table 7-36. Antenna 1A Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

Bandwidth (MHz):	100								
Frequency (MHz):	3500.0								
RB / Offset:	1 / 268								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	-	-	-	-79.91	10.77	37.86	-57.40	-13.00	-44.40
10500.0	-	-	-	-83.13	12.74	36.61	-58.65	-13.00	-45.65
14000.0	-	-	-	-84.06	15.47	38.41	-56.85	-13.00	-43.85

Table 7-37. Antenna 1A Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

Bandwidth (MHz):	90								
Frequency (MHz):	3505.0								
RB / Offset:	1 / 238								
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/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	-	-	-	-80.13	10.69	37.56	-57.70	-13.00	-44.70
10515.0	-	-	-	-83.18	12.66	36.48	-58.78	-13.00	-45.78
14020.0	-	-	-	-84.26	15.27	38.01	-57.24	-13.00	-44.24

Table 7-38. Antenna 1A Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
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NR Band n77 C Band

Bandwidth (MHz):	100
Frequency (MHz):	3750.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	-	-	-	-79.67	9.99	37.32	-57.94	-13.00	-44.94
11250.0	-	-	-	-83.35	12.97	36.62	-58.63	-13.00	-45.63
15000.0	-	-	-	-84.71	17.37	39.66	-55.60	-13.00	-42.60

Table 7-39. Antenna 1A Radiated Spurious Data (NR Band n77 C Band – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3840.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	-	-	-	-82.67	10.13	34.46	-60.80	-13.00	-47.80
11520.0	-	-	-	-83.32	13.40	37.08	-58.18	-13.00	-45.18
15360.0	-	-	-	-84.64	18.24	40.60	-54.66	-13.00	-41.66

Table 7-40. Antenna 1A Radiated Spurious Data (NR Band n77 C Band – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 135

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	-	-	-	-82.92	10.31	34.39	-60.87	-13.00	-47.87
11790.0	-	-	-	-83.39	14.06	37.67	-57.59	-13.00	-44.59
15720.0	-	-	-	-84.71	18.75	41.04	-54.22	-13.00	-41.22

Table 7-41. Antenna 1A Radiated Spurious Data (NR Band n77 C Band – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device					

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:

- Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- 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

- The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 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.
- 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

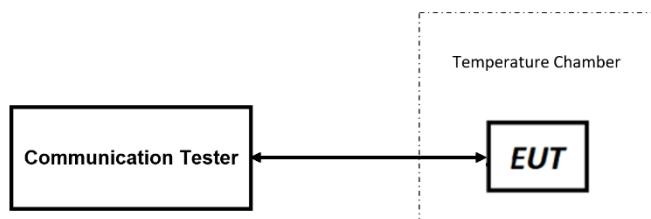


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

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

FCC ID: BCGA2757	element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n77 (3450-3550MHz)							
		Low Channel Frequency (Hz):		3,495,000,000			
		High Channel Frequency (Hz):		3,505,000,000			
		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	3,495,000,244	3,505,000,257	127	145	0.00000414
		- 20	3,495,000,259	3,505,000,249	142	137	0.00000406
		- 10	3,495,000,230	3,505,000,239	113	127	0.00000362
		0	3,495,000,246	3,505,000,248	129	136	0.00000388
		+ 10	3,495,000,254	3,505,000,257	137	145	0.00000414
		+ 20 (Ref)	3,495,000,117	3,505,000,112	0	0	0.00000000
		+ 30	3,495,000,234	3,505,000,257	117	145	0.00000414
		+ 40	3,495,000,261	3,505,000,237	144	125	0.00000412
		+ 50	3,495,000,253	3,505,000,224	136	112	0.00000389
Battery Endpoint	3.23	+ 20	3,495,000,237	3,505,000,228	120	116	0.00000343

Table 7-42. NR Band n77 Frequency Stability Data

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n77 (3700-3980MHz)							
		Low Channel Frequency (Hz):		3,750,000,000			
		High Channel Frequency (Hz):		3,930,000,000			
		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	3,750,000,264	3,930,000,239	132	115	0.00000352
		- 20	3,750,000,244	3,930,000,258	112	134	0.00000341
		- 10	3,750,000,275	3,930,000,250	143	126	0.00000381
		0	3,750,000,253	3,930,000,268	121	144	0.00000366
		+ 10	3,750,000,249	3,930,000,263	117	139	0.00000354
		+ 20 (Ref)	3,750,000,132	3,930,000,124	0	0	0.00000000
		+ 30	3,750,000,254	3,930,000,267	122	143	0.00000364
		+ 40	3,750,000,259	3,930,000,270	127	146	0.00000372
		+ 50	3,750,000,257	3,930,000,239	125	115	0.00000333
Battery Endpoint	3.23	+ 20	3,750,000,249	3,930,000,254	117	130	0.00000331

Table 7-43. NR Band n77 Frequency Stability Data

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device			

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2757** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-05-R1.BCG	Test Dates: 05/30/2022 - 08/29/2022	EUT Type: Tablet Device		Page 176 of 176