

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	1.10	1 / 12	23.32	24.42	0.277	30.00	-5.58
		3840.00	1.10	1 / 6	23.33	24.43	0.277	30.00	-5.57
		3975.00	1.10	1 / 12	23.38	24.48	0.281	30.00	-5.52
	QPSK	3705.00	1.10	1 / 6	23.41	24.51	0.282	30.00	-5.49
		3840.00	1.10	1 / 12	23.43	24.53	0.284	30.00	-5.47
		3975.00	1.10	1 / 12	23.32	24.42	0.277	30.00	-5.58
	16-QAM	3975.00	1.10	1 / 6	22.55	23.65	0.232	30.00	-6.35
	64-QAM	3840.00	1.10	1 / 12	21.51	22.61	0.182	30.00	-7.39
	256-QAM	3840.00	1.10	1 / 6	18.50	19.60	0.091	30.00	-10.40
	256-QAM	3840.00	1.10	1 / 9	23.42	24.52	0.283	30.00	-5.48
15 MHz	π/2 BPSK	3707.51	1.10	1 / 28	23.47	24.57	0.286	30.00	-5.43
		3840.00	1.10	1 / 9	23.42	24.52	0.283	30.00	-5.48
		3972.50	1.10	1 / 28	23.22	24.32	0.270	30.00	-5.68
	QPSK	3707.51	1.10	1 / 9	23.37	24.47	0.280	30.00	-5.53
		3840.00	1.10	1 / 19	23.40	24.50	0.282	30.00	-5.50
		3972.50	1.10	1 / 28	23.38	24.48	0.281	30.00	-5.52
	16-QAM	3840.00	1.10	1 / 9	22.44	23.54	0.226	30.00	-6.46
	64-QAM	3840.00	1.10	1 / 19	21.37	22.47	0.177	30.00	-7.53
	256-QAM	3840.00	1.10	1 / 9	18.41	19.51	0.089	30.00	-10.49
	256-QAM	3840.00	1.10	1 / 25	23.15	24.25	0.266	30.00	-5.75
20 MHz	π/2 BPSK	3710.01	1.10	1 / 25	23.15	24.25	0.266	30.00	-5.75
		3840.00	1.10	1 / 13	23.21	24.31	0.270	30.00	-5.69
		3969.99	1.10	1 / 13	23.37	24.47	0.280	30.00	-5.53
	QPSK	3710.01	1.10	1 / 37	23.32	24.42	0.277	30.00	-5.58
		3840.00	1.10	1 / 25	23.40	24.50	0.282	30.00	-5.50
		3969.99	1.10	1 / 13	23.41	24.51	0.282	30.00	-5.49
	16-QAM	3840.00	1.10	1 / 37	22.50	23.60	0.229	30.00	-6.40
	64-QAM	3969.99	1.10	1 / 25	21.44	22.54	0.179	30.00	-7.46
	256-QAM	3840.00	1.10	1 / 37	18.50	19.60	0.091	30.00	-10.40
	256-QAM	3840.00	1.10	1 / 39	23.22	24.32	0.270	30.00	-5.68
30 MHz	π/2 BPSK	3715.02	1.10	1 / 39	23.22	24.32	0.270	30.00	-5.68
		3840.00	1.10	1 / 19	23.49	24.59	0.288	30.00	-5.41
		3964.98	1.10	1 / 39	23.43	24.53	0.284	30.00	-5.47
	QPSK	3715.02	1.10	1 / 58	23.41	24.51	0.282	30.00	-5.49
		3840.00	1.10	1 / 39	23.36	24.46	0.279	30.00	-5.54
		3964.98	1.10	1 / 39	23.32	24.42	0.277	30.00	-5.58
	16-QAM	3964.98	1.10	1 / 58	22.47	23.57	0.228	30.00	-6.43
	64-QAM	3715.02	1.10	1 / 39	21.47	22.57	0.181	30.00	-7.43
	256-QAM	3840.00	1.10	1 / 39	18.36	19.46	0.088	30.00	-10.54
	256-QAM	3840.00	1.10	1 / 53	23.43	24.53	0.284	30.00	-5.47
40 MHz	π/2 BPSK	3720.00	1.10	1 / 53	23.43	24.53	0.284	30.00	-5.47
		3840.00	1.10	1 / 53	23.41	24.51	0.282	30.00	-5.49
		3960.00	1.10	1 / 79	23.32	24.42	0.277	30.00	-5.58
	QPSK	3720.00	1.10	1 / 26	23.41	24.51	0.282	30.00	-5.49
		3840.00	1.10	1 / 53	23.44	24.54	0.284	30.00	-5.46
		3960.00	1.10	1 / 26	23.46	24.56	0.286	30.00	-5.44
	16-QAM	3840.00	1.10	1 / 26	22.47	23.57	0.228	30.00	-6.43
	64-QAM	3840.00	1.10	1 / 79	21.42	22.52	0.179	30.00	-7.48
	256-QAM	3840.00	1.10	1 / 79	18.53	19.63	0.092	30.00	-10.37
	256-QAM	3840.00	1.10	1 / 33	23.48	24.58	0.287	30.00	-5.42
50 MHz	π/2 BPSK	3725.01	1.10	1 / 33	23.27	24.37	0.274	30.00	-5.63
		3954.99	1.10	1 / 99	23.38	24.48	0.281	30.00	-5.52
	QPSK	3725.01	1.10	1 / 33	23.08	24.18	0.262	30.00	-5.82
		3840.00	1.10	1 / 66	23.39	24.49	0.281	30.00	-5.51
		3954.99	1.10	1 / 99	23.24	24.34	0.272	30.00	-5.66
	16-QAM	3840.00	1.10	1 / 33	22.47	23.57	0.228	30.00	-6.43
	64-QAM	3954.99	1.10	1 / 33	21.38	22.48	0.177	30.00	-7.52
	256-QAM	3954.99	1.10	1 / 66	18.43	19.53	0.090	30.00	-10.47
	256-QAM	3730.02	1.10	1 / 121	23.48	24.58	0.287	30.00	-5.42
	256-QAM	3840.00	1.10	1 / 40	23.46	24.56	0.286	30.00	-5.44
60 MHz	π/2 BPSK	3949.98	1.10	1 / 81	23.41	24.51	0.282	30.00	-5.49
		3730.02	1.10	1 / 121	23.36	24.46	0.279	30.00	-5.54
		3840.00	1.10	1 / 81	23.32	24.42	0.277	30.00	-5.58
	QPSK	3949.98	1.10	1 / 121	23.41	24.51	0.282	30.00	-5.49
		3840.00	1.10	1 / 40	22.52	23.62	0.230	30.00	-6.38
		3949.98	1.10	1 / 40	21.49	22.59	0.182	30.00	-7.41
	16-QAM	3840.00	1.10	1 / 40	21.49	22.59	0.182	30.00	-7.41
	64-QAM	3949.98	1.10	1 / 40	18.55	19.65	0.092	30.00	-10.35
	256-QAM	3949.98	1.10	1 / 40	18.55	19.65	0.092	30.00	-10.35
	256-QAM	3949.98	1.10	1 / 40	18.55	19.65	0.092	30.00	-10.35
70 MHz	π/2 BPSK	3735.00	1.10	1 / 47	23.39	24.49	0.281	30.00	-5.51
		3840.00	1.10	1 / 94	23.41	24.51	0.282	30.00	-5.49
		3945.00	1.10	1 / 94	23.35	24.45	0.279	30.00	-5.55
	QPSK	3735.00	1.10	1 / 141	23.44	24.54	0.284	30.00	-5.46
		3840.00	1.10	1 / 141	23.41	24.51	0.282	30.00	-5.49
		3945.00	1.10	1 / 94	23.41	24.51	0.282	30.00	-5.49
	16-QAM	3735.00	1.10	1 / 47	22.47	23.57	0.228	30.00	-6.43
	64-QAM	3945.00	1.10	1 / 47	21.46	22.56	0.180	30.00	-7.44
	256-QAM	3945.00	1.10	1 / 94	18.50	19.60	0.091	30.00	-10.40
	256-QAM	3945.00	1.10	1 / 94	18.50	19.60	0.091	30.00	-10.40
80 MHz	π/2 BPSK	3740.01	1.10	1 / 162	23.43	24.53	0.284	30.00	-5.47
		3840.00	1.10	1 / 108	23.41	24.51	0.282	30.00	-5.49
		3939.99	1.10	1 / 162	23.42	24.52	0.283	30.00	-5.48
	QPSK	3740.01	1.10	1 / 54	23.42	24.52	0.283	30.00	-5.48
		3840.00	1.10	1 / 108	23.31	24.41	0.276	30.00	-5.59
		3939.99	1.10	1 / 162	23.39	24.49	0.281	30.00	-5.51
	16-QAM	3840.00	1.10	1 / 162	22.52	23.62	0.230	30.00	-6.38
	64-QAM	3740.01	1.10	1 / 54	21.47	22.57	0.181	30.00	-7.43
	256-QAM	3840.00	1.10	1 / 162	18.55	19.65	0.092	30.00	-10.35
	256-QAM	3840.00	1.10	1 / 162	18.55	19.65	0.092	30.00	-10.35
90 MHz	π/2 BPSK	3745.02	1.10	1 / 122	23.31	24.41	0.276	30.00	-5.59
		3840.00	1.10	1 / 183	23.33	24.43	0.277	30.00	-5.57
		3934.98	1.10	1 / 183	23.18	24.28	0.268	30.00	-5.72
	QPSK	3745.02	1.10	1 / 183	23.35	24.45	0.279	30.00	-5.55
		3840.00	1.10	1 / 183	23.46	24.56	0.286	30.00	-5.44
		3934.98	1.10	1 / 122	23.40	24.50	0.282	30.00	-5.50
	16-QAM	3934.98	1.10	1 / 122	22.54	23.64	0.231	30.00	-6.36
	64-QAM	3840.00	1.10	1 / 122	21.56	22.66	0.185	30.00	-7.34
	256-QAM	3745.02	1.10	1 / 122	18.41	19.51	0.089	30.00	-10.49
	256-QAM	3745.02	1.10	1 / 122	18.41	19.51	0.089	30.00	-10.49
100 MHz	π/2 BPSK	3750.00	1.10	1 / 204	23.27	24.37	0.274	30.00	-5.63
		3840.00	1.10	1 / 68	23.44	24.54	0.284	30.00	-5.46
		3930.00	1.10	1 / 204	23.35	24.45	0.279	30.00	-5.55
	QPSK	3750.00	1.10	1 / 204	23.46	24.56	0.286	30.00	-5.44
		3840.00	1.10	1 / 68	23.44	24.54	0.284	30.00	-5.46
		3930.00	1.10	1 / 204	23.33	24.43	0.277	30.00	-5.57
	16-QAM	3750.00	1.10	1 / 68	22.53	23.63	0.231	30.00	-6.37
	64-QAM	3930.00	1.10	1 / 68	21.52	22.62	0.183	30.00	-7.38
	256-QAM	3930.00	1.10	1 / 136	18.44	19.54	0.090	30.00	-10.46
	256-QAM	3930.00	1.10	1 / 136	18.44	19.54	0.090	30.00	-10.46

Table 7-8. Antenna 1 EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 174 of 200

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	1.10	1 / 23	23.45	24.55	0.285	30.00	-5.45
		3840.00	1.10	1 / 0	23.42	24.52	0.283	30.00	-5.48
		3975.00	1.10	1 / 23	23.35	24.45	0.279	30.00	-5.55
	QPSK	3705.00	1.10	1 / 0	23.48	24.58	0.287	30.00	-5.42
		3840.00	1.10	1 / 12	23.40	24.50	0.282	30.00	-5.50
		3975.00	1.10	1 / 0	23.31	24.41	0.276	30.00	-5.59
	16-QAM	3975.00	1.10	1 / 0	22.53	23.63	0.231	30.00	-6.37
	64-QAM	3705.00	1.10	1 / 12	21.55	22.65	0.184	30.00	-7.35
	256-QAM	3840.00	1.10	1 / 23	18.54	19.64	0.092	30.00	-10.36
	256-QAM	3707.51	1.10	1 / 36	23.43	24.53	0.284	30.00	-5.47
15 MHz	π/2 BPSK	3840.00	1.10	1 / 0	23.45	24.55	0.285	30.00	-5.45
		3972.50	1.10	1 / 36	23.42	24.52	0.283	30.00	-5.48
		3707.51	1.10	1 / 36	23.46	24.56	0.286	30.00	-5.44
	QPSK	3840.00	1.10	1 / 0	23.38	24.48	0.281	30.00	-5.52
		3972.50	1.10	1 / 0	23.38	24.48	0.281	30.00	-5.52
		3707.51	1.10	1 / 19	22.47	23.57	0.228	30.00	-6.43
	16-QAM	3707.51	1.10	1 / 36	21.50	22.60	0.182	30.00	-7.40
	64-QAM	3972.50	1.10	1 / 0	18.49	19.59	0.091	30.00	-10.41
	256-QAM	3710.01	1.10	1 / 48	23.45	24.55	0.285	30.00	-5.45
	256-QAM	3840.00	1.10	1 / 0	23.36	24.46	0.279	30.00	-5.54
20 MHz	π/2 BPSK	3969.99	1.10	1 / 48	23.34	24.44	0.278	30.00	-5.56
		3710.01	1.10	1 / 0	23.32	24.42	0.277	30.00	-5.58
		3840.00	1.10	1 / 48	23.39	24.49	0.281	30.00	-5.51
	QPSK	3969.99	1.10	1 / 48	23.42	24.52	0.283	30.00	-5.48
		3710.01	1.10	1 / 48	22.50	23.60	0.229	30.00	-6.40
		3840.00	1.10	1 / 0	21.44	22.54	0.179	30.00	-7.46
	16-QAM	3710.01	1.10	1 / 48	22.50	23.60	0.229	30.00	-6.40
	64-QAM	3840.00	1.10	1 / 0	21.44	22.54	0.179	30.00	-7.46
	256-QAM	3840.00	1.10	1 / 0	18.52	19.62	0.092	30.00	-10.38
	256-QAM	3715.02	1.10	1 / 0	23.43	24.53	0.284	30.00	-5.47
30 MHz	π/2 BPSK	3840.00	1.10	1 / 76	23.42	24.52	0.283	30.00	-5.48
		3964.98	1.10	1 / 76	23.40	24.50	0.282	30.00	-5.50
		3715.02	1.10	1 / 0	23.21	24.31	0.270	30.00	-5.69
	QPSK	3840.00	1.10	1 / 39	23.30	24.40	0.275	30.00	-5.60
		3964.98	1.10	1 / 0	23.49	24.59	0.288	30.00	-5.41
		3715.02	1.10	1 / 39	22.51	23.61	0.230	30.00	-6.39
	16-QAM	3840.00	1.10	1 / 0	21.40	22.50	0.178	30.00	-7.50
	64-QAM	3964.98	1.10	1 / 0	18.52	19.62	0.092	30.00	-10.38
	256-QAM	3720.00	1.10	1 / 50	23.47	24.57	0.286	30.00	-5.43
	256-QAM	3840.00	1.10	1 / 98	23.49	24.59	0.288	30.00	-5.41
40 MHz	π/2 BPSK	3960.00	1.10	1 / 50	23.42	24.52	0.283	30.00	-5.48
		3720.00	1.10	1 / 0	23.30	24.40	0.275	30.00	-5.60
		3840.00	1.10	1 / 98	23.40	24.50	0.282	30.00	-5.50
	QPSK	3960.00	1.10	1 / 98	23.48	24.58	0.287	30.00	-5.42
		3720.00	1.10	1 / 50	22.49	23.59	0.229	30.00	-6.41
		3840.00	1.10	1 / 50	21.52	22.62	0.183	30.00	-7.38
	16-QAM	3960.00	1.10	1 / 0	18.47	19.57	0.091	30.00	-10.43
	64-QAM	3725.01	1.10	1 / 0	23.44	24.54	0.284	30.00	-5.46
	256-QAM	3840.00	1.10	1 / 64	23.33	24.43	0.277	30.00	-5.57
	256-QAM	3954.99	1.10	1 / 0	23.20	24.30	0.269	30.00	-5.70
50 MHz	π/2 BPSK	3725.01	1.10	1 / 0	23.47	24.57	0.286	30.00	-5.43
		3840.00	1.10	1 / 64	23.33	24.43	0.277	30.00	-5.57
		3954.99	1.10	1 / 64	23.43	24.53	0.284	30.00	-5.47
	QPSK	3840.00	1.10	1 / 64	22.52	23.62	0.230	30.00	-6.38
		3725.01	1.10	1 / 126	21.57	22.67	0.185	30.00	-7.33
		3954.99	1.10	1 / 64	18.54	19.64	0.092	30.00	-10.36
	16-QAM	3840.00	1.10	1 / 64	18.54	19.64	0.092	30.00	-10.36
	64-QAM	3725.01	1.10	1 / 126	21.57	22.67	0.185	30.00	-7.33
	256-QAM	3840.00	1.10	1 / 64	18.54	19.64	0.092	30.00	-10.36
	256-QAM	3730.02	1.10	1 / 81	23.42	24.52	0.283	30.00	-5.48
	256-QAM	3840.00	1.10	1 / 0	23.46	24.56	0.286	30.00	-5.44
60 MHz	π/2 BPSK	3949.98	1.10	1 / 162	23.31	24.41	0.276	30.00	-5.59
		3730.02	1.10	1 / 162	23.42	24.52	0.283	30.00	-5.48
		3840.00	1.10	1 / 0	23.36	24.46	0.279	30.00	-5.54
	QPSK	3949.98	1.10	1 / 81	23.27	24.37	0.274	30.00	-5.63
		3730.02	1.10	1 / 81	22.46	23.56	0.227	30.00	-6.44
		3840.00	1.10	1 / 81	21.50	22.60	0.182	30.00	-7.40
	16-QAM	3949.98	1.10	1 / 81	21.50	22.60	0.182	30.00	-7.40
	64-QAM	3840.00	1.10	1 / 162	18.51	19.61	0.091	30.00	-10.39
	256-QAM	3735.00	1.10	1 / 90	23.43	24.53	0.284	30.00	-5.47
	256-QAM	3840.00	1.10	1 / 0	23.19	24.29	0.269	30.00	-5.71
70 MHz	π/2 BPSK	3945.00	1.10	1 / 187	23.33	24.43	0.277	30.00	-5.57
		3735.00	1.10	1 / 90	23.41	24.51	0.282	30.00	-5.49
		3840.00	1.10	1 / 90	23.42	24.52	0.283	30.00	-5.48
	QPSK	3945.00	1.10	1 / 0	23.31	24.41	0.276	30.00	-5.59
		3735.00	1.10	1 / 90	22.53	23.63	0.231	30.00	-6.37
		3840.00	1.10	1 / 0	21.49	22.59	0.182	30.00	-7.41
	16-QAM	3945.00	1.10	1 / 0	18.45	19.55	0.090	30.00	-10.45
	64-QAM	3735.00	1.10	1 / 187	18.45	19.55	0.090	30.00	-10.45
	256-QAM	3740.01	1.10	1 / 214	23.47	24.57	0.286	30.00	-5.43
	256-QAM	3840.00	1.10	1 / 108	23.39	24.49	0.281	30.00	-5.51
80 MHz	π/2 BPSK	3939.99	1.10	1 / 108	23.42	24.52	0.283	30.00	-5.48
		3740.01	1.10	1 / 108	23.31	24.41	0.276	30.00	-5.59
		3840.00	1.10	1 / 0	23.29	24.39	0.275	30.00	-5.61
	QPSK	3939.99	1.10	1 / 214	23.44	24.54	0.284	30.00	-5.46
		3740.01	1.10	1 / 0	22.42	23.52	0.225	30.00	-6.48
		3840.00	1.10	1 / 108	21.43	22.53	0.179	30.00	-7.47
	16-QAM	3840.00	1.10	1 / 0	22.42	23.52	0.225	30.00	-6.48
	64-QAM	3740.01	1.10	1 / 214	18.45	19.55	0.090	30.00	-10.45
	256-QAM	3745.02	1.10	1 / 238	23.31	24.41	0.276	30.00	-5.59
	256-QAM	3840.00	1.10	1 / 120	23.47	24.57	0.286	30.00	-5.43
90 MHz	π/2 BPSK	3934.98	1.10	1 / 120	23.48	24.58	0.287	30.00	-5.42
		3745.02	1.10	1 / 238	23.19	24.29	0.269	30.00	-5.71
		3840.00	1.10	1 / 120	23.46	24.56	0.286	30.00	-5.44
	QPSK	3934.98	1.10	1 / 238	23.49	24.59	0.288	30.00	-5.41
		3745.02	1.10	1 / 238	22.56	23.66	0.232	30.00	-6.34
		3840.00	1.10	1 / 238	21.53	22.63	0.183	30.00	-7.37
	16-QAM	3934.98	1.10	1 / 238	21.53	22.63	0.183	30.00	-7.37
	64-QAM	3745.02	1.10	1 / 238	18.42	19.52	0.090	30.00	-10.48
	256-QAM	3750.00	1.10	1 / 135	23.50	24.60	0.288	30.00	-5.40
	256-QAM	3840.00	1.10	1 / 135	23.33	24.43	0.277	30.00	-5.57
100 MHz	π/2 BPSK	3930.00	1.10	1 / 268	23.34	24.44	0.278	30.00	-5.56
		3750.00	1.10	1 / 0	23.45	24.55	0.285	30.00	-5.45
		3840.00	1.10	1 / 135	23.38	24.48	0.281	30.00	-5.52
	QPSK	3930.00	1.10	1 / 0	23.34	24.44	0.278	30.00	-5.56
		3750.00	1.10	1 / 0	22.46	23.56	0.227	30.00	-6.44
		3840.00	1.10	1 / 0	21.51	22.61	0.182	30.00	-7.39
	16-QAM	3930.00	1.10	1 / 0	22.46	23.56	0.227	30.00	-6.44
	64-QAM	3750.00	1.10	1 / 268	18.54	19.64	0.092	30.00	-10.36
	256-QAM	3840.00	1.10	1 / 268	18.54	19.64	0.092	30.00	-10.36

Table 7-9. Antenna 1 EIRP Data (NR Band n77 (PC3) – C Band)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 175 of 200	

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7.6.3 Antenna 4b – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
10 MHz	π/2 BPSK	3455.01	-1.60	1 / 17	27.30	25.70	0.372	30.00	-4.30		
		3500.01	-1.60	1 / 12	27.41	25.81	0.381	30.00	-4.19		
		3544.98	-1.60	1 / 12	27.46	25.86	0.385	30.00	-4.14		
	QPSK	3455.01	-1.60	1 / 6	27.35	25.75	0.376	30.00	-4.25		
		3500.01	-1.60	1 / 12	27.23	25.63	0.366	30.00	-4.37		
		3544.98	-1.60	1 / 6	27.31	25.71	0.372	30.00	-4.29		
	16-QAM	3544.98	-1.60	1 / 6	26.48	24.88	0.308	30.00	-5.12		
		64-QAM	3500.01	-1.60	1 / 17	25.37	23.77	0.238	30.00	-6.23	
		256-QAM	3455.01	-1.60	1 / 12	22.36	20.76	0.119	30.00	-9.24	
	π/2 BPSK	3457.50	-1.60	1 / 19	27.09	25.49	0.354	30.00	-4.51		
15 MHz		3500.01	-1.60	1 / 9	27.06	25.46	0.352	30.00	-4.54		
		3542.49	-1.60	1 / 9	27.24	25.64	0.367	30.00	-4.36		
QPSK	3457.50	-1.60	1 / 9	27.18	25.58	0.362	30.00	-4.42			
	3500.01	-1.60	1 / 9	27.32	25.72	0.373	30.00	-4.28			
	3542.49	-1.60	1 / 28	27.19	25.59	0.362	30.00	-4.41			
16-QAM	3542.49	-1.60	1 / 28	26.55	24.95	0.313	30.00	-5.05			
	64-QAM	3542.49	-1.60	1 / 9	25.52	23.92	0.247	30.00	-6.08		
	256-QAM	3500.01	-1.60	1 / 19	22.55	20.95	0.124	30.00	-9.05		
π/2 BPSK	3460.02	-1.60	1 / 25	27.33	25.73	0.374	30.00	-4.27			
	3500.01	-1.60	1 / 13	27.30	25.70	0.372	30.00	-4.30			
	20 MHz		3540.00	-1.60	1 / 25	27.49	25.89	0.388	30.00	-4.11	
QPSK	3460.02	-1.60	1 / 25	27.40	25.80	0.380	30.00	-4.20			
	3500.01	-1.60	1 / 25	27.47	25.87	0.386	30.00	-4.13			
	3540.00	-1.60	1 / 13	27.24	25.64	0.366	30.00	-4.36			
16-QAM	3460.02	-1.60	1 / 13	26.46	24.86	0.306	30.00	-5.14			
	64-QAM	3460.02	-1.60	1 / 25	25.49	23.89	0.245	30.00	-6.11		
	256-QAM	3460.02	-1.60	1 / 25	22.39	20.79	0.120	30.00	-9.21		
π/2 BPSK	3465.00	-1.60	1 / 58	27.42	25.82	0.382	30.00	-4.18			
	3500.01	-1.60	1 / 58	27.25	25.65	0.367	30.00	-4.35			
	3534.99	-1.60	1 / 39	27.13	25.53	0.357	30.00	-4.47			
30 MHz	QPSK	3465.00	-1.60	1 / 19	27.19	25.59	0.362	30.00	-4.41		
		3500.01	-1.60	1 / 58	27.38	25.78	0.378	30.00	-4.22		
		3534.99	-1.60	1 / 19	27.35	25.75	0.376	30.00	-4.25		
	16-QAM	3534.99	-1.60	1 / 39	26.49	24.89	0.308	30.00	-5.11		
		64-QAM	3500.01	-1.60	1 / 39	25.43	23.83	0.242	30.00	-6.17	
		256-QAM	3465.00	-1.60	1 / 58	22.40	20.80	0.120	30.00	-9.20	
	π/2 BPSK	3470.01	-1.60	1 / 53	27.36	25.76	0.377	30.00	-4.24		
		3500.01	-1.60	1 / 79	27.47	25.87	0.386	30.00	-4.13		
		3529.98	-1.60	1 / 26	27.50	25.90	0.389	30.00	-4.10		
	QPSK	3470.01	-1.60	1 / 26	27.39	25.79	0.379	30.00	-4.21		
40 MHz		3500.01	-1.60	1 / 79	27.18	25.58	0.361	30.00	-4.42		
		3529.98	-1.60	1 / 26	27.26	25.66	0.368	30.00	-4.34		
16-QAM	3529.98	-1.60	1 / 53	26.55	24.95	0.313	30.00	-5.05			
	64-QAM	3500.01	-1.60	1 / 79	25.61	24.01	0.252	30.00	-5.99		
	256-QAM	3529.98	-1.60	1 / 26	22.59	20.99	0.126	30.00	-9.01		
π/2 BPSK	3475.02	-1.60	1 / 66	27.25	25.65	0.367	30.00	-4.35			
	3500.01	-1.60	1 / 99	27.31	25.71	0.373	30.00	-4.29			
	3525.00	-1.60	1 / 33	27.37	25.77	0.378	30.00	-4.23			
QPSK	3475.02	-1.60	1 / 33	27.23	25.63	0.366	30.00	-4.37			
	3500.01	-1.60	1 / 99	27.20	25.60	0.363	30.00	-4.40			
	50 MHz		3525.00	-1.60	1 / 33	27.23	25.63	0.366	30.00	-4.37	
16-QAM	3525.00	-1.60	1 / 33	26.47	24.87	0.307	30.00	-5.13			
	64-QAM	3475.02	-1.60	1 / 33	25.46	23.86	0.243	30.00	-6.14		
	256-QAM	3475.02	-1.60	1 / 33	22.45	20.85	0.122	30.00	-9.15		
π/2 BPSK	3480.00	-1.60	1 / 81	27.46	25.86	0.385	30.00	-4.14			
	3500.01	-1.60	1 / 81	27.40	25.80	0.380	30.00	-4.20			
	3519.99	-1.60	1 / 121	27.41	25.81	0.381	30.00	-4.19			
QPSK	3480.00	-1.60	1 / 121	27.40	25.80	0.380	30.00	-4.20			
	3500.01	-1.60	1 / 121	27.47	25.87	0.386	30.00	-4.13			
	3519.99	-1.60	1 / 40	27.50	25.90	0.389	30.00	-4.10			
60 MHz	16-QAM	3500.01	-1.60	1 / 40	26.51	24.91	0.310	30.00	-5.09		
		64-QAM	3480.00	-1.60	1 / 121	25.53	23.93	0.247	30.00	-6.07	
		256-QAM	3500.01	-1.60	1 / 121	22.57	20.97	0.125	30.00	-9.03	
	π/2 BPSK	3485.01	-1.60	1 / 47	27.42	25.82	0.382	30.00	-4.18		
		3500.01	-1.60	1 / 94	27.47	25.87	0.386	30.00	-4.13		
		3514.98	-1.60	1 / 94	27.38	25.78	0.378	30.00	-4.22		
	QPSK	3485.01	-1.60	1 / 141	27.37	25.77	0.378	30.00	-4.23		
		3500.01	-1.60	1 / 47	27.43	25.83	0.383	30.00	-4.17		
		3514.98	-1.60	1 / 141	27.35	25.75	0.376	30.00	-4.25		
	16-QAM	3500.01	-1.60	1 / 94	26.49	24.89	0.308	30.00	-5.11		
70 MHz		64-QAM	3514.98	-1.60	1 / 141	25.48	23.88	0.244	30.00	-6.12	
		256-QAM	3485.01	-1.60	1 / 141	22.47	20.87	0.122	30.00	-9.13	
π/2 BPSK	3490.02	-1.60	1 / 162	27.36	25.76	0.377	30.00	-4.24			
	3500.01	-1.60	1 / 54	27.43	25.83	0.383	30.00	-4.17			
	3510.00	-1.60	1 / 108	27.18	25.58	0.361	30.00	-4.42			
QPSK	3490.02	-1.60	1 / 162	27.30	25.70	0.372	30.00	-4.30			
	3500.01	-1.60	1 / 108	27.44	25.84	0.384	30.00	-4.16			
	3510.00	-1.60	1 / 54	27.34	25.74	0.375	30.00	-4.26			
16-QAM	3500.01	-1.60	1 / 162	26.49	24.89	0.308	30.00	-5.11			
	64-QAM	3500.01	-1.60	1 / 54	25.46	23.86	0.243	30.00	-6.14		
	80 MHz		256-QAM	3510.00	-1.60	1 / 54	22.45	20.85	0.122	30.00	-9.15
π/2 BPSK	3495.00	-1.60	1 / 61	27.09	25.49	0.354	30.00	-4.51			
	3500.01	-1.60	1 / 122	27.39	25.79	0.379	30.00	-4.21			
	3504.99	-1.60	1 / 183	27.29	25.69	0.371	30.00	-4.31			
QPSK	3495.00	-1.60	1 / 61	27.46	25.86	0.385	30.00	-4.14			
	3500.01	-1.60	1 / 183	27.35	25.75	0.375	30.00	-4.26			
	3504.99	-1.60	1 / 183	27.38	25.78	0.378	30.00	-4.22			
16-QAM	3504.99	-1.60	1 / 183	26.53	24.93	0.311	30.00	-5.07			
	64-QAM	3504.99	-1.60	1 / 122	25.43	23.83	0.242	30.00	-6.17		
	256-QAM	3495.00	-1.60	1 / 122	22.52	20.92	0.124	30.00	-9.08		
100 MHz	π/2 BPSK	3500.01	-1.60	1 / 204	27.34	25.74	0.375	30.00	-4.26		
		QPSK	3500.01	-1.60	1 / 68	27.25	25.65	0.367	30.00	-4.35	
		16-QAM	3500.01	-1.60	1 / 68	26.43	24.83	0.304	30.00	-5.17	
	64-QAM	3500.01	-1.60	1 / 204	25.29	23.69	0.234	30.00	-6.31		
		256-QAM	3500.01	-1.60	1 / 204	22.38	20.78	0.120	30.00	-9.22	

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

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 176 of 200	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	-1.60	1 / 6	25.55	23.95	0.248	30.00	-6.05
		3500.01	-1.60	1 / 6	25.61	24.01	0.252	30.00	-5.99
		3544.98	-1.60	1 / 17	25.70	24.10	0.257	30.00	-5.90
	QPSK	3455.01	-1.60	1 / 6	25.43	23.83	0.242	30.00	-6.17
		3500.01	-1.60	1 / 12	25.53	23.93	0.247	30.00	-6.07
		3544.98	-1.60	1 / 12	25.41	23.81	0.240	30.00	-6.19
	16-QAM	3544.98	-1.60	1 / 6	24.66	23.06	0.202	30.00	-6.94
	64-QAM	3544.98	-1.60	1 / 12	23.67	22.07	0.161	30.00	-7.93
	256-QAM	3544.98	-1.60	1 / 6	20.64	19.04	0.080	30.00	-10.96
	256-QAM	3544.98	-1.60	1 / 12	23.67	22.07	0.161	30.00	-7.93
15 MHz	π/2 BPSK	3457.50	-1.60	1 / 28	25.46	23.86	0.243	30.00	-6.14
		3500.01	-1.60	1 / 28	25.62	24.02	0.252	30.00	-5.98
		3542.49	-1.60	1 / 9	25.51	23.91	0.246	30.00	-6.09
	QPSK	3457.50	-1.60	1 / 28	25.30	23.70	0.234	30.00	-6.30
		3500.01	-1.60	1 / 9	25.38	23.78	0.239	30.00	-6.22
		3542.49	-1.60	1 / 19	25.42	23.82	0.241	30.00	-6.18
	16-QAM	3542.49	-1.60	1 / 28	24.59	22.99	0.199	30.00	-7.01
	64-QAM	3500.01	-1.60	1 / 9	23.66	22.06	0.161	30.00	-7.94
	256-QAM	3542.49	-1.60	1 / 19	20.64	19.04	0.080	30.00	-10.96
	256-QAM	3542.49	-1.60	1 / 28	24.59	22.99	0.199	30.00	-7.01
20 MHz	π/2 BPSK	3460.02	-1.60	1 / 25	25.45	23.85	0.243	30.00	-6.15
		3500.01	-1.60	1 / 25	25.41	23.81	0.240	30.00	-6.19
		3540.00	-1.60	1 / 25	25.09	23.49	0.223	30.00	-6.51
	QPSK	3460.02	-1.60	1 / 13	25.40	23.80	0.240	30.00	-6.20
		3500.01	-1.60	1 / 37	25.37	23.77	0.238	30.00	-6.23
		3540.00	-1.60	1 / 13	25.33	23.73	0.236	30.00	-6.27
	16-QAM	3500.01	-1.60	1 / 25	24.67	23.07	0.203	30.00	-6.93
	64-QAM	3540.00	-1.60	1 / 37	23.72	22.12	0.163	30.00	-7.88
	256-QAM	3500.01	-1.60	1 / 37	20.52	18.92	0.078	30.00	-11.08
	256-QAM	3500.01	-1.60	1 / 25	24.67	23.07	0.203	30.00	-6.93
30 MHz	π/2 BPSK	3465.00	-1.60	1 / 39	25.70	24.10	0.257	30.00	-5.90
		3500.01	-1.60	1 / 19	25.66	24.06	0.255	30.00	-5.94
		3534.99	-1.60	1 / 58	25.68	24.08	0.256	30.00	-5.92
	QPSK	3465.00	-1.60	1 / 39	25.60	24.00	0.251	30.00	-6.00
		3500.01	-1.60	1 / 19	25.40	23.80	0.240	30.00	-6.20
		3534.99	-1.60	1 / 19	25.47	23.87	0.244	30.00	-6.13
	16-QAM	3534.99	-1.60	1 / 39	24.76	23.16	0.207	30.00	-6.84
	64-QAM	3534.99	-1.60	1 / 39	26.43	24.83	0.304	30.00	-5.17
	256-QAM	3500.01	-1.60	1 / 58	20.73	19.13	0.082	30.00	-10.87
	256-QAM	3500.01	-1.60	1 / 39	25.60	24.00	0.251	30.00	-6.00
40 MHz	π/2 BPSK	3470.01	-1.60	1 / 26	25.66	24.06	0.255	30.00	-5.94
		3500.01	-1.60	1 / 79	25.45	23.85	0.243	30.00	-6.15
		3529.98	-1.60	1 / 79	25.62	24.02	0.252	30.00	-5.98
	QPSK	3470.01	-1.60	1 / 53	25.58	23.98	0.250	30.00	-6.02
		3500.01	-1.60	1 / 79	25.40	23.80	0.240	30.00	-6.20
		3529.98	-1.60	1 / 79	25.61	24.01	0.252	30.00	-5.99
	16-QAM	3470.01	-1.60	1 / 53	24.68	23.08	0.203	30.00	-6.92
	64-QAM	3500.01	-1.60	1 / 26	23.54	21.94	0.156	30.00	-8.06
	256-QAM	3529.98	-1.60	1 / 26	20.68	19.08	0.081	30.00	-10.92
	256-QAM	3529.98	-1.60	1 / 53	24.68	23.08	0.203	30.00	-6.92
50 MHz	π/2 BPSK	3475.02	-1.60	1 / 33	25.68	24.08	0.256	30.00	-5.92
		3500.01	-1.60	1 / 66	25.48	23.88	0.244	30.00	-6.12
		3525.00	-1.60	1 / 66	25.62	24.02	0.252	30.00	-5.98
	QPSK	3475.02	-1.60	1 / 33	25.47	23.87	0.244	30.00	-6.13
		3500.01	-1.60	1 / 99	25.44	23.84	0.242	30.00	-6.16
		3525.00	-1.60	1 / 66	25.54	23.94	0.248	30.00	-6.06
	16-QAM	3500.01	-1.60	1 / 99	24.69	23.09	0.204	30.00	-6.91
	64-QAM	3500.01	-1.60	1 / 66	23.68	22.08	0.161	30.00	-7.92
	256-QAM	3500.01	-1.60	1 / 33	20.69	19.09	0.081	30.00	-10.91
	256-QAM	3500.01	-1.60	1 / 33	20.69	19.09	0.081	30.00	-10.91
	256-QAM	3500.01	-1.60	1 / 66	23.68	22.08	0.161	30.00	-7.92
60 MHz	π/2 BPSK	3480.00	-1.60	1 / 81	25.59	23.99	0.251	30.00	-6.01
		3500.01	-1.60	1 / 121	25.64	24.04	0.254	30.00	-5.96
		3519.99	-1.60	1 / 81	25.68	24.08	0.256	30.00	-5.92
	QPSK	3480.00	-1.60	1 / 40	25.43	23.83	0.242	30.00	-6.17
		3500.01	-1.60	1 / 121	25.56	23.96	0.249	30.00	-6.04
		3519.99	-1.60	1 / 121	25.52	23.92	0.247	30.00	-6.08
	16-QAM	3500.01	-1.60	1 / 121	24.62	23.02	0.200	30.00	-6.98
	64-QAM	3500.01	-1.60	1 / 40	23.70	22.10	0.162	30.00	-7.90
	256-QAM	3500.01	-1.60	1 / 81	20.66	19.06	0.081	30.00	-10.94
	256-QAM	3500.01	-1.60	1 / 40	23.70	22.10	0.162	30.00	-7.90
70 MHz	π/2 BPSK	3485.01	-1.60	1 / 94	25.63	24.03	0.253	30.00	-5.97
		3500.01	-1.60	1 / 141	25.44	23.84	0.242	30.00	-6.16
		3514.98	-1.60	1 / 47	25.59	23.99	0.251	30.00	-6.01
	QPSK	3485.01	-1.60	1 / 141	25.65	24.05	0.254	30.00	-5.95
		3500.01	-1.60	1 / 141	25.43	23.83	0.242	30.00	-6.17
		3514.98	-1.60	1 / 47	25.70	24.10	0.257	30.00	-5.90
	16-QAM	3500.01	-1.60	1 / 141	24.67	23.07	0.203	30.00	-6.93
	64-QAM	3514.98	-1.60	1 / 47	23.73	22.13	0.163	30.00	-7.87
	256-QAM	3514.98	-1.60	1 / 141	20.70	19.10	0.081	30.00	-10.90
	256-QAM	3514.98	-1.60	1 / 47	25.70	24.10	0.257	30.00	-5.90
80 MHz	π/2 BPSK	3490.02	-1.60	1 / 108	25.59	23.99	0.251	30.00	-6.01
		3500.01	-1.60	1 / 162	25.58	23.98	0.250	30.00	-6.02
		3510.00	-1.60	1 / 108	25.67	24.07	0.256	30.00	-5.93
	QPSK	3490.02	-1.60	1 / 108	25.64	24.04	0.254	30.00	-5.96
		3500.01	-1.60	1 / 162	25.53	23.93	0.247	30.00	-6.07
		3510.00	-1.60	1 / 162	25.55	23.95	0.248	30.00	-6.05
	16-QAM	3490.02	-1.60	1 / 54	24.68	23.08	0.203	30.00	-6.92
	64-QAM	3500.01	-1.60	1 / 162	23.71	22.11	0.163	30.00	-7.89
	256-QAM	3500.01	-1.60	1 / 108	20.56	18.96	0.079	30.00	-11.04
	256-QAM	3500.01	-1.60	1 / 162	23.71	22.11	0.163	30.00	-7.89
100 MHz	π/2 BPSK	3495.00	-1.60	1 / 183	25.68	24.08	0.256	30.00	-5.92
		3500.01	-1.60	1 / 61	25.63	24.03	0.253	30.00	-5.97
		3504.99	-1.60	1 / 61	25.50	23.90	0.245	30.00	-6.10
	QPSK	3495.00	-1.60	1 / 183	25.58	23.98	0.250	30.00	-6.02
		3500.01	-1.60	1 / 122	25.60	24.00	0.251	30.00	-6.00
		3504.99	-1.60	1 / 183	25.58	23.98	0.250	30.00	-6.02
	16-QAM	3495.00	-1.60	1 / 61	24.61	23.01	0.200	30.00	-6.99
	64-QAM	3500.01	-1.60	1 / 61	23.67	22.07	0.161	30.00	-7.93
	256-QAM	3495.00	-1.60	1 / 183	20.68	19.08	0.081	30.00	-10.92
	256-QAM	3500.01	-1.60	1 / 68	25.38	23.78	0.239	30.00	-6.22
	256-QAM	3500.01	-1.60	1 / 204	25.63	24.03	0.253	30.00	-5.97

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

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 177 of 200	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	-1.60	1 / 12	27.41	25.81	0.381	30.00	-4.19
		3840.00	-1.60	1 / 12	27.46	25.86	0.385	30.00	-4.14
		3975.00	-1.60	1 / 17	27.49	25.89	0.388	30.00	-4.11
	QPSK	3705.00	-1.60	1 / 12	27.22	25.62	0.365	30.00	-4.38
		3840.00	-1.60	1 / 12	27.50	25.90	0.389	30.00	-4.10
		3975.00	-1.60	1 / 12	27.30	25.70	0.372	30.00	-4.30
	16-QAM	3705.00	-1.60	1 / 17	26.48	24.88	0.308	30.00	-5.12
	64-QAM	3705.00	-1.60	1 / 17	25.41	23.81	0.240	30.00	-6.19
	256-QAM	3975.00	-1.60	1 / 17	22.49	20.89	0.123	30.00	-9.11
	256-QAM	3705.00	-1.60	1 / 17	22.49	20.89	0.123	30.00	-9.11
15 MHz	π/2 BPSK	3707.51	-1.60	1 / 9	27.36	25.76	0.377	30.00	-4.24
		3840.00	-1.60	1 / 19	27.30	25.70	0.372	30.00	-4.30
		3972.50	-1.60	1 / 9	27.45	25.85	0.385	30.00	-4.15
	QPSK	3707.51	-1.60	1 / 19	27.39	25.79	0.379	30.00	-4.21
		3840.00	-1.60	1 / 28	27.17	25.57	0.361	30.00	-4.43
		3972.50	-1.60	1 / 28	27.28	25.68	0.370	30.00	-4.32
	16-QAM	3707.51	-1.60	1 / 28	26.53	24.93	0.311	30.00	-5.07
	64-QAM	3707.51	-1.60	1 / 9	25.47	23.87	0.244	30.00	-6.13
	256-QAM	3840.00	-1.60	1 / 9	22.47	20.87	0.122	30.00	-9.13
	256-QAM	3707.51	-1.60	1 / 9	22.47	20.87	0.122	30.00	-9.13
20 MHz	π/2 BPSK	3710.01	-1.60	1 / 13	27.25	25.65	0.367	30.00	-4.35
		3840.00	-1.60	1 / 25	27.27	25.67	0.369	30.00	-4.33
		3969.99	-1.60	1 / 37	27.49	25.89	0.388	30.00	-4.11
	QPSK	3710.01	-1.60	1 / 25	27.39	25.79	0.379	30.00	-4.21
		3840.00	-1.60	1 / 37	27.22	25.62	0.365	30.00	-4.38
		3969.99	-1.60	1 / 25	27.46	25.86	0.385	30.00	-4.14
	16-QAM	3840.00	-1.60	1 / 13	26.47	24.87	0.307	30.00	-5.13
	64-QAM	3969.99	-1.60	1 / 25	25.50	23.90	0.245	30.00	-6.10
	256-QAM	3710.01	-1.60	1 / 25	22.51	20.91	0.123	30.00	-9.09
	256-QAM	3710.01	-1.60	1 / 25	22.51	20.91	0.123	30.00	-9.09
30 MHz	π/2 BPSK	3715.02	-1.60	1 / 58	27.15	25.55	0.359	30.00	-4.45
		3840.00	-1.60	1 / 58	27.39	25.79	0.379	30.00	-4.21
		3964.98	-1.60	1 / 39	27.48	25.88	0.387	30.00	-4.12
	QPSK	3715.02	-1.60	1 / 39	27.40	25.80	0.380	30.00	-4.20
		3840.00	-1.60	1 / 58	27.41	25.81	0.381	30.00	-4.19
		3964.98	-1.60	1 / 19	27.33	25.73	0.374	30.00	-4.27
	16-QAM	3964.98	-1.60	1 / 19	26.48	24.88	0.308	30.00	-5.12
	64-QAM	3715.02	-1.60	1 / 58	25.47	23.87	0.244	30.00	-6.13
	256-QAM	3715.02	-1.60	1 / 19	22.49	20.89	0.123	30.00	-9.11
	256-QAM	3715.02	-1.60	1 / 19	22.49	20.89	0.123	30.00	-9.11
40 MHz	π/2 BPSK	3720.00	-1.60	1 / 79	27.41	25.81	0.381	30.00	-4.19
		3840.00	-1.60	1 / 53	27.40	25.80	0.380	30.00	-4.20
		3960.00	-1.60	1 / 79	27.36	25.76	0.377	30.00	-4.24
	QPSK	3720.00	-1.60	1 / 79	27.29	25.69	0.371	30.00	-4.31
		3840.00	-1.60	1 / 53	27.23	25.63	0.366	30.00	-4.37
		3960.00	-1.60	1 / 53	27.46	25.86	0.385	30.00	-4.14
	16-QAM	3840.00	-1.60	1 / 53	26.50	24.90	0.309	30.00	-5.10
	64-QAM	3720.00	-1.60	1 / 79	25.46	23.86	0.243	30.00	-6.14
	256-QAM	3960.00	-1.60	1 / 53	22.39	20.79	0.120	30.00	-9.21
	256-QAM	3960.00	-1.60	1 / 53	22.39	20.79	0.120	30.00	-9.21
50 MHz	π/2 BPSK	3725.01	-1.60	1 / 66	27.39	25.79	0.379	30.00	-4.21
		3840.00	-1.60	1 / 99	27.27	25.67	0.369	30.00	-4.33
		3954.99	-1.60	1 / 99	27.47	25.87	0.386	30.00	-4.13
	QPSK	3725.01	-1.60	1 / 99	27.23	25.63	0.366	30.00	-4.37
		3840.00	-1.60	1 / 33	27.36	25.76	0.377	30.00	-4.24
		3954.99	-1.60	1 / 99	27.43	25.83	0.383	30.00	-4.17
	16-QAM	3840.00	-1.60	1 / 33	26.37	24.77	0.300	30.00	-5.23
	64-QAM	3954.99	-1.60	1 / 99	25.50	23.90	0.245	30.00	-6.10
	256-QAM	3725.01	-1.60	1 / 33	22.46	20.86	0.122	30.00	-9.14
	256-QAM	3725.01	-1.60	1 / 33	22.46	20.86	0.122	30.00	-9.14
60 MHz	π/2 BPSK	3730.02	-1.60	1 / 40	27.44	25.84	0.384	30.00	-4.16
		3840.00	-1.60	1 / 121	27.47	25.87	0.386	30.00	-4.13
		3949.98	-1.60	1 / 40	27.29	25.69	0.371	30.00	-4.31
	QPSK	3730.02	-1.60	1 / 40	27.25	25.65	0.367	30.00	-4.35
		3840.00	-1.60	1 / 81	27.48	25.88	0.387	30.00	-4.12
		3949.98	-1.60	1 / 81	27.28	25.68	0.370	30.00	-4.32
	16-QAM	3949.98	-1.60	1 / 40	26.37	24.77	0.300	30.00	-5.23
	64-QAM	3949.98	-1.60	1 / 121	25.48	23.88	0.244	30.00	-6.12
	256-QAM	3840.00	-1.60	1 / 81	22.47	20.87	0.122	30.00	-9.13
	256-QAM	3840.00	-1.60	1 / 81	22.47	20.87	0.122	30.00	-9.13
70 MHz	π/2 BPSK	3735.00	-1.60	1 / 141	27.45	25.85	0.387	30.00	-4.12
		3840.00	-1.60	1 / 141	27.25	25.65	0.367	30.00	-4.35
		3945.00	-1.60	1 / 141	27.29	25.69	0.371	30.00	-4.31
	QPSK	3735.00	-1.60	1 / 141	27.41	25.81	0.381	30.00	-4.19
		3840.00	-1.60	1 / 47	27.47	25.87	0.386	30.00	-4.13
		3945.00	-1.60	1 / 141	27.30	25.70	0.372	30.00	-4.30
	16-QAM	3840.00	-1.60	1 / 47	26.44	24.84	0.305	30.00	-5.16
	64-QAM	3945.00	-1.60	1 / 141	25.49	23.89	0.245	30.00	-6.11
	256-QAM	3735.00	-1.60	1 / 94	22.48	20.88	0.122	30.00	-9.12
	256-QAM	3735.00	-1.60	1 / 94	22.48	20.88	0.122	30.00	-9.12
80 MHz	π/2 BPSK	3740.01	-1.60	1 / 108	27.39	25.79	0.379	30.00	-4.21
		3840.00	-1.60	1 / 162	27.44	25.84	0.384	30.00	-4.16
		3939.99	-1.60	1 / 162	27.49	25.89	0.388	30.00	-4.11
	QPSK	3740.01	-1.60	1 / 162	27.34	25.74	0.375	30.00	-4.26
		3840.00	-1.60	1 / 108	27.48	25.88	0.387	30.00	-4.12
		3939.99	-1.60	1 / 162	27.49	25.89	0.388	30.00	-4.11
	16-QAM	3840.00	-1.60	1 / 54	26.44	24.84	0.305	30.00	-5.16
	64-QAM	3840.00	-1.60	1 / 162	25.42	23.82	0.241	30.00	-6.18
	256-QAM	3740.01	-1.60	1 / 108	22.55	20.95	0.124	30.00	-9.05
	256-QAM	3740.01	-1.60	1 / 108	22.55	20.95	0.124	30.00	-9.05
90 MHz	π/2 BPSK	3745.02	-1.60	1 / 183	27.38	25.78	0.378	30.00	-4.22
		3840.00	-1.60	1 / 122	27.50	25.90	0.389	30.00	-4.10
		3934.98	-1.60	1 / 61	27.36	25.76	0.377	30.00	-4.24
	QPSK	3745.02	-1.60	1 / 61	27.39	25.79	0.379	30.00	-4.21
		3840.00	-1.60	1 / 122	27.40	25.80	0.380	30.00	-4.20
		3934.98	-1.60	1 / 122	27.37	25.77	0.378	30.00	-4.23
	16-QAM	3840.00	-1.60	1 / 122	26.45	24.85	0.305	30.00	-5.15
	64-QAM	3745.02	-1.60	1 / 61	25.50	23.90	0.245	30.00	-6.10
	256-QAM	3934.98	-1.60	1 / 61	22.51	20.91	0.123	30.00	-9.09
	256-QAM	3934.98	-1.60	1 / 61	22.51	20.91	0.123	30.00	-9.09
100 MHz	π/2 BPSK	3750.00	-1.60	1 / 136	27.25	25.65	0.367	30.00	-4.35
		3840.00	-1.60	1 / 68	27.39	25.79	0.379	30.00	-4.21
		3930.00	-1.60	1 / 204	27.17	25.57	0.361	30.00	-4.43
	QPSK	3750.00	-1.60	1 / 68	27.38	25.78	0.378	30.00	-4.22
		3840.00	-1.60	1 / 136	27.47	25.87	0.386	30.00	-4.13
		3930.00	-1.60	1 / 68	27.24	25.64	0.366	30.00	-4.36
	16-QAM	3840.00	-1.60	1 / 68	26.49	24.89	0.308	30.00	-5.11
	64-QAM	3840.00	-1.60	1 / 204	25.53	23.93	0.247	30.00	-6.07
	256-QAM	3840.00	-1.60	1 / 136	22.50	20.90	0.123	30.00	-9.10
	256-QAM	3840.00	-1.60	1 / 136	22.50	20.90	0.123	30.00	-9.10
	256-QAM	3840.00	-1.60	1 / 136	22.50	20.90	0.123	30.00	-9.10

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

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 178 of 200

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	11/2 BPSK	3705.00	-1.60	1 / 12	25.63	24.03	0.253	30.00	-5.97
		3840.00	-1.60	1 / 23	25.68	24.08	0.256	30.00	-5.92
		3975.00	-1.60	1 / 0	25.48	23.88	0.244	30.00	-6.12
	QPSK	3705.00	-1.60	1 / 12	25.66	24.06	0.255	30.00	-5.94
		3840.00	-1.60	1 / 12	25.64	24.04	0.254	30.00	-5.96
		3975.00	-1.60	1 / 0	25.53	23.93	0.247	30.00	-6.07
	16-QAM	3705.00	-1.60	1 / 12	24.57	22.97	0.198	30.00	-7.03
	64-QAM	3840.00	-1.60	1 / 0	23.65	22.05	0.160	30.00	-7.95
	256-QAM	3975.00	-1.60	1 / 136	20.70	19.10	0.081	30.00	-10.90
		3707.51	-1.60	1 / 0	25.42	23.82	0.241	30.00	-6.18
15 MHz	11/2 BPSK	3840.00	-1.60	1 / 36	25.36	23.76	0.238	30.00	-6.24
		3972.50	-1.60	1 / 0	25.40	23.80	0.240	30.00	-6.20
		3707.51	-1.60	1 / 19	25.44	23.84	0.242	30.00	-6.16
	QPSK	3840.00	-1.60	1 / 19	25.53	23.93	0.247	30.00	-6.07
		3972.50	-1.60	1 / 0	25.67	24.07	0.255	30.00	-5.93
		3972.50	-1.60	1 / 0	24.64	23.04	0.201	30.00	-6.96
	16-QAM	3972.50	-1.60	1 / 19	23.59	21.99	0.158	30.00	-8.01
	64-QAM	3840.00	-1.60	1 / 19	20.57	18.97	0.079	30.00	-11.03
	256-QAM	3710.01	-1.60	1 / 25	25.69	24.09	0.254	30.00	-5.91
		3840.00	-1.60	1 / 0	25.44	23.84	0.242	30.00	-6.16
20 MHz	11/2 BPSK	3969.99	-1.60	1 / 25	25.61	24.01	0.252	30.00	-5.99
		3710.01	-1.60	1 / 25	25.57	23.97	0.249	30.00	-6.03
		3840.00	-1.60	1 / 25	25.59	23.99	0.251	30.00	-6.01
	QPSK	3969.99	-1.60	1 / 0	25.61	24.01	0.252	30.00	-5.99
		3840.00	-1.60	1 / 48	24.69	23.09	0.204	30.00	-6.91
		3969.99	-1.60	1 / 25	23.66	22.06	0.161	30.00	-7.94
	16-QAM	3710.01	-1.60	1 / 0	20.61	19.01	0.080	30.00	-10.99
	64-QAM	3715.02	-1.60	1 / 76	25.55	23.95	0.248	30.00	-6.05
	256-QAM	3840.00	-1.60	1 / 76	25.47	23.87	0.244	30.00	-6.13
		3964.98	-1.60	1 / 0	25.60	24.00	0.251	30.00	-6.00
30 MHz	11/2 BPSK	3715.02	-1.60	1 / 0	25.41	23.81	0.240	30.00	-6.19
		3840.00	-1.60	1 / 76	25.64	24.04	0.254	30.00	-5.96
		3964.98	-1.60	1 / 0	25.61	24.01	0.252	30.00	-5.99
	QPSK	3964.98	-1.60	1 / 76	24.70	23.10	0.204	30.00	-6.90
		3710.01	-1.60	1 / 39	23.66	22.06	0.161	30.00	-7.94
		3840.00	-1.60	1 / 76	20.55	18.95	0.079	30.00	-11.05
	16-QAM	3720.00	-1.60	1 / 0	25.61	24.01	0.252	30.00	-5.99
	64-QAM	3840.00	-1.60	1 / 0	25.56	23.96	0.249	30.00	-6.04
	256-QAM	3960.00	-1.60	1 / 0	25.68	24.08	0.256	30.00	-5.92
		3720.00	-1.60	1 / 98	25.53	23.93	0.247	30.00	-6.07
40 MHz	11/2 BPSK	3840.00	-1.60	1 / 98	25.52	23.92	0.247	30.00	-6.08
		3960.00	-1.60	1 / 50	25.53	23.93	0.247	30.00	-6.07
		3720.00	-1.60	1 / 98	25.53	23.93	0.247	30.00	-6.07
	QPSK	3840.00	-1.60	1 / 98	24.76	23.16	0.207	30.00	-6.84
		3720.00	-1.60	1 / 50	23.72	22.12	0.163	30.00	-7.88
		3960.00	-1.60	1 / 98	20.78	19.18	0.083	30.00	-10.82
	16-QAM	3725.01	-1.60	1 / 126	25.49	23.89	0.245	30.00	-6.11
	64-QAM	3840.00	-1.60	1 / 0	25.53	23.93	0.247	30.00	-6.07
	256-QAM	3954.99	-1.60	1 / 126	25.51	23.91	0.246	30.00	-6.09
		3725.01	-1.60	1 / 0	25.65	24.05	0.254	30.00	-5.95
50 MHz	11/2 BPSK	3840.00	-1.60	1 / 0	25.50	23.90	0.245	30.00	-6.10
		3954.99	-1.60	1 / 126	25.66	24.06	0.255	30.00	-5.94
		3725.01	-1.60	1 / 0	24.68	23.08	0.203	30.00	-6.92
	QPSK	3840.00	-1.60	1 / 64	23.63	22.03	0.160	30.00	-7.97
		3954.99	-1.60	1 / 0	20.71	19.11	0.081	30.00	-10.89
		3720.02	-1.60	1 / 0	25.54	23.94	0.248	30.00	-6.06
	16-QAM	3840.00	-1.60	1 / 162	25.56	23.96	0.249	30.00	-6.04
	64-QAM	3949.98	-1.60	1 / 162	25.61	24.01	0.252	30.00	-5.99
	256-QAM	3730.02	-1.60	1 / 81	25.44	23.84	0.242	30.00	-6.16
		3840.00	-1.60	1 / 0	25.50	23.90	0.245	30.00	-6.10
60 MHz	11/2 BPSK	3949.98	-1.60	1 / 0	25.48	23.88	0.244	30.00	-6.12
		3730.02	-1.60	1 / 81	24.68	23.08	0.203	30.00	-6.92
		3840.00	-1.60	1 / 0	23.66	22.06	0.161	30.00	-7.94
	QPSK	3730.02	-1.60	1 / 81	20.67	19.07	0.081	30.00	-10.93
		3949.98	-1.60	1 / 0	25.63	24.03	0.253	30.00	-5.97
		3840.00	-1.60	1 / 90	25.48	23.88	0.244	30.00	-6.12
	16-QAM	3945.00	-1.60	1 / 90	25.54	23.94	0.248	30.00	-6.06
	64-QAM	3735.00	-1.60	1 / 90	25.59	23.99	0.251	30.00	-6.01
	256-QAM	3840.00	-1.60	1 / 90	25.66	24.06	0.255	30.00	-5.94
		3945.00	-1.60	1 / 90	25.55	23.95	0.248	30.00	-6.05
70 MHz	11/2 BPSK	3735.00	-1.60	1 / 90	24.78	23.18	0.208	30.00	-6.82
		3840.00	-1.60	1 / 90	23.65	22.05	0.160	30.00	-7.95
		3945.00	-1.60	1 / 90	20.64	19.04	0.080	30.00	-10.96
	QPSK	3740.01	-1.60	1 / 108	25.09	24.09	0.256	30.00	-5.91
		3840.00	-1.60	1 / 214	25.41	23.81	0.240	30.00	-6.19
		3939.99	-1.60	1 / 0	25.55	23.95	0.248	30.00	-6.05
	16-QAM	3740.01	-1.60	1 / 108	25.54	23.94	0.248	30.00	-6.06
	64-QAM	3840.00	-1.60	1 / 0	25.51	23.91	0.246	30.00	-6.09
	256-QAM	3939.99	-1.60	1 / 214	25.67	24.07	0.255	30.00	-5.93
		3939.99	-1.60	1 / 0	24.68	23.08	0.203	30.00	-6.92
80 MHz	11/2 BPSK	3740.01	-1.60	1 / 108	23.71	22.11	0.163	30.00	-7.89
		3840.00	-1.60	1 / 108	20.63	19.03	0.080	30.00	-10.97
		3939.99	-1.60	1 / 0	25.49	23.89	0.245	30.00	-6.11
	QPSK	3745.02	-1.60	1 / 120	25.58	23.98	0.250	30.00	-6.02
		3840.00	-1.60	1 / 120	25.55	23.95	0.248	30.00	-6.05
		3939.99	-1.60	1 / 120	25.57	23.97	0.249	30.00	-6.03
	16-QAM	3745.02	-1.60	1 / 238	25.68	24.08	0.256	30.00	-5.92
	64-QAM	3934.98	-1.60	1 / 120	25.48	23.88	0.244	30.00	-6.12
	256-QAM	3745.02	-1.60	1 / 120	24.76	23.16	0.207	30.00	-6.84
		3934.98	-1.60	1 / 0	23.67	22.07	0.161	30.00	-7.93
90 MHz	11/2 BPSK	3745.02	-1.60	1 / 0	20.64	19.04	0.080	30.00	-10.96
		3750.00	-1.60	1 / 135	25.50	23.90	0.245	30.00	-6.10
		3840.00	-1.60	1 / 135	25.64	24.04	0.254	30.00	-5.96
	QPSK	3930.00	-1.60	1 / 268	25.41	23.81	0.240	30.00	-6.19
		3750.00	-1.60	1 / 135	25.53	23.93	0.247	30.00	-6.07
		3840.00	-1.60	1 / 0	25.65	24.05	0.254	30.00	-5.95
	16-QAM	3930.00	-1.60	1 / 0	25.59	23.99	0.251	30.00	-6.01
	64-QAM	3930.00	-1.60	1 / 268	24.62	23.02	0.200	30.00	-6.98
	256-QAM	3840.00	-1.60	1 / 135	23.71	22.11	0.163	30.00	-7.89
		3750.00	-1.60	1 / 268	20.73	19.13	0.082	30.00	-10.87

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

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 179 of 200

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7.6.4 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]
10 MHz	π/2 BPSK	3455.01	0.70	1 / 12	23.27	23.97	0.249	30.00	-6.03
		3500.01	0.70	1 / 17	23.22	23.92	0.247	30.00	-6.08
		3544.98	0.70	1 / 6	23.37	24.07	0.255	30.00	-5.93
	QPSK	3455.01	0.70	1 / 6	23.21	23.91	0.246	30.00	-6.09
		3500.01	0.70	1 / 17	23.30	24.00	0.251	30.00	-6.00
		3544.98	0.70	1 / 17	23.35	24.05	0.254	30.00	-5.95
	16-QAM	3544.98	0.70	1 / 17	22.49	23.19	0.208	30.00	-6.81
	64-QAM	3500.01	0.70	1 / 6	21.47	22.17	0.165	30.00	-7.83
	256-QAM	3455.01	0.70	1 / 12	18.49	19.19	0.083	30.00	-10.81
15 MHz	π/2 BPSK	3457.50	0.70	1 / 28	23.33	24.03	0.253	30.00	-5.97
		3500.01	0.70	1 / 28	23.26	23.96	0.249	30.00	-6.04
		3542.49	0.70	1 / 19	23.16	23.86	0.243	30.00	-6.14
	QPSK	3457.50	0.70	1 / 9	23.40	24.10	0.257	30.00	-5.90
		3500.01	0.70	1 / 19	23.30	24.00	0.251	30.00	-6.00
		3542.49	0.70	1 / 19	23.38	24.08	0.256	30.00	-5.92
	16-QAM	3500.01	0.70	1 / 28	22.51	23.21	0.209	30.00	-6.79
	64-QAM	3542.49	0.70	1 / 19	21.50	22.20	0.166	30.00	-7.80
	256-QAM	3457.50	0.70	1 / 9	18.49	19.19	0.083	30.00	-10.81
20 MHz	π/2 BPSK	3460.02	0.70	1 / 37	23.35	24.05	0.254	30.00	-5.95
		3500.01	0.70	1 / 25	23.33	24.03	0.253	30.00	-5.97
		3540.00	0.70	1 / 25	23.49	24.19	0.262	30.00	-5.81
	QPSK	3460.02	0.70	1 / 13	23.43	24.13	0.259	30.00	-5.87
		3500.01	0.70	1 / 25	23.37	24.07	0.255	30.00	-5.93
		3540.00	0.70	1 / 25	23.43	24.13	0.259	30.00	-5.87
	16-QAM	3540.00	0.70	1 / 25	22.41	23.11	0.205	30.00	-6.89
	64-QAM	3460.02	0.70	1 / 37	21.39	22.09	0.162	30.00	-7.91
	256-QAM	3540.00	0.70	1 / 37	18.50	19.20	0.083	30.00	-10.80
30 MHz	π/2 BPSK	3465.00	0.70	1 / 39	23.42	24.12	0.258	30.00	-5.88
		3500.01	0.70	1 / 39	23.31	24.01	0.252	30.00	-5.99
		3534.99	0.70	1 / 58	23.41	24.11	0.258	30.00	-5.89
	QPSK	3465.00	0.70	1 / 39	23.40	24.10	0.257	30.00	-5.90
		3500.01	0.70	1 / 58	23.18	23.88	0.244	30.00	-6.12
		3534.99	0.70	1 / 39	23.13	23.83	0.242	30.00	-6.17
	16-QAM	3465.00	0.70	1 / 39	22.51	23.21	0.209	30.00	-6.79
	64-QAM	3534.99	0.70	1 / 39	21.51	22.21	0.166	30.00	-7.79
	256-QAM	3500.01	0.70	1 / 39	18.47	19.17	0.083	30.00	-10.83
40 MHz	π/2 BPSK	3470.01	0.70	1 / 53	23.19	23.89	0.245	30.00	-6.11
		3500.01	0.70	1 / 53	23.13	23.83	0.242	30.00	-6.17
		3529.98	0.70	1 / 79	23.33	24.03	0.253	30.00	-5.97
	QPSK	3470.01	0.70	1 / 53	23.35	24.05	0.254	30.00	-5.95
		3500.01	0.70	1 / 26	23.15	23.85	0.243	30.00	-6.15
		3529.98	0.70	1 / 79	23.34	24.04	0.254	30.00	-5.96
	16-QAM	3500.01	0.70	1 / 53	22.50	23.20	0.209	30.00	-6.80
	64-QAM	3470.01	0.70	1 / 26	21.49	22.19	0.166	30.00	-7.81
	256-QAM	3500.01	0.70	1 / 53	18.50	19.20	0.083	30.00	-10.80
50 MHz	π/2 BPSK	3475.02	0.70	1 / 33	23.21	23.91	0.246	30.00	-6.09
		3500.01	0.70	1 / 99	23.44	24.14	0.259	30.00	-5.86
		3525.00	0.70	1 / 99	23.28	23.98	0.250	30.00	-6.02
	QPSK	3475.02	0.70	1 / 66	23.35	24.05	0.254	30.00	-5.95
		3500.01	0.70	1 / 99	23.37	24.07	0.255	30.00	-5.93
		3525.00	0.70	1 / 99	23.39	24.09	0.256	30.00	-5.91
	16-QAM	3525.00	0.70	1 / 66	22.47	23.17	0.207	30.00	-6.83
	64-QAM	3475.02	0.70	1 / 99	21.42	22.12	0.163	30.00	-7.88
	256-QAM	3500.01	0.70	1 / 33	18.38	19.08	0.081	30.00	-10.92
60 MHz	π/2 BPSK	3480.00	0.70	1 / 81	23.36	24.06	0.255	30.00	-5.94
		3500.01	0.70	1 / 81	23.39	24.09	0.256	30.00	-5.91
		3519.99	0.70	1 / 81	23.23	23.93	0.247	30.00	-6.07
	QPSK	3480.00	0.70	1 / 121	23.33	24.03	0.253	30.00	-5.97
		3500.01	0.70	1 / 40	23.37	24.07	0.255	30.00	-5.93
		3519.99	0.70	1 / 121	23.36	24.06	0.255	30.00	-5.94
	16-QAM	3480.00	0.70	1 / 81	22.48	23.18	0.208	30.00	-6.82
	64-QAM	3480.00	0.70	1 / 40	21.39	22.09	0.162	30.00	-7.91
	256-QAM	3519.99	0.70	1 / 81	18.49	19.19	0.083	30.00	-10.81
70 MHz	π/2 BPSK	3485.01	0.70	1 / 47	23.16	23.86	0.243	30.00	-6.14
		3500.01	0.70	1 / 47	23.48	24.18	0.262	30.00	-5.82
		3514.98	0.70	1 / 47	23.34	24.04	0.254	30.00	-5.96
	QPSK	3485.01	0.70	1 / 47	23.26	23.96	0.249	30.00	-6.04
		3500.01	0.70	1 / 141	23.32	24.02	0.252	30.00	-5.98
		3514.98	0.70	1 / 94	23.26	23.96	0.249	30.00	-6.04
	16-QAM	3485.01	0.70	1 / 141	22.51	23.21	0.209	30.00	-6.79
	64-QAM	3514.98	0.70	1 / 141	21.47	22.17	0.165	30.00	-7.83
	256-QAM	3500.01	0.70	1 / 47	18.50	19.20	0.083	30.00	-10.80
80 MHz	π/2 BPSK	3490.02	0.70	1 / 108	23.14	23.84	0.242	30.00	-6.16
		3500.01	0.70	1 / 108	23.36	24.06	0.255	30.00	-5.94
		3510.00	0.70	1 / 54	23.02	23.72	0.236	30.00	-6.28
	QPSK	3490.02	0.70	1 / 162	23.35	24.05	0.254	30.00	-5.95
		3500.01	0.70	1 / 108	23.37	24.07	0.255	30.00	-5.93
		3510.00	0.70	1 / 162	23.36	24.06	0.255	30.00	-5.94
	16-QAM	3490.02	0.70	1 / 162	22.44	23.14	0.206	30.00	-6.86
	64-QAM	3490.02	0.70	1 / 162	21.19	21.89	0.155	30.00	-8.11
	256-QAM	3500.01	0.70	1 / 54	18.32	19.02	0.080	30.00	-10.98
90 MHz	π/2 BPSK	3495.00	0.70	1 / 183	23.37	24.07	0.255	30.00	-5.93
		3500.01	0.70	1 / 61	23.39	24.09	0.256	30.00	-5.91
		3504.99	0.70	1 / 183	23.28	23.98	0.250	30.00	-6.02
	QPSK	3495.00	0.70	1 / 183	23.44	24.14	0.259	30.00	-5.86
		3500.01	0.70	1 / 183	23.10	23.80	0.240	30.00	-6.20
		3504.99	0.70	1 / 61	23.28	23.98	0.250	30.00	-6.02
	16-QAM	3495.00	0.70	1 / 61	22.51	23.21	0.209	30.00	-6.79
	64-QAM	3500.01	0.70	1 / 183	21.49	22.19	0.166	30.00	-7.81
	256-QAM	3504.99	0.70	1 / 183	18.47	19.17	0.083	30.00	-10.83
100 MHz	π/2 BPSK	3500.01	0.70	1 / 68	23.47	24.17	0.261	30.00	-5.83
		QPSK	3500.01	0.70	1 / 136	23.48	24.18	0.262	30.00
	16-QAM	3500.01	0.70	1 / 68	23.28	23.98	0.250	30.00	-6.02
	64-QAM	3500.01	0.70	1 / 136	21.51	22.21	0.166	30.00	-7.79
	256-QAM	3500.01	0.70	1 / 136	18.43	19.13	0.082	30.00	-10.87

Table 7-14. Antenna 2a EIRP Data (NR Band n77 (PC2) – DoD Band)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 180 of 200	

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3455.01	0.70	1 / 6	23.20	23.90	0.245	30.00	-6.10
		3500.01	0.70	1 / 12	23.45	24.15	0.260	30.00	-5.85
		3544.98	0.70	1 / 12	23.42	24.12	0.258	30.00	-5.88
	QPSK	3455.01	0.70	1 / 6	23.36	24.06	0.255	30.00	-5.94
		3500.01	0.70	1 / 6	23.21	23.91	0.246	30.00	-6.09
		3544.98	0.70	1 / 6	23.42	24.12	0.258	30.00	-5.88
	16-QAM	3500.01	0.70	1 / 17	22.45	23.15	0.207	30.00	-6.85
	64-QAM	3455.01	0.70	1 / 6	21.47	22.17	0.165	30.00	-7.83
	256-QAM	3455.01	0.70	1 / 17	18.39	19.09	0.081	30.00	-10.91
	256-QAM	3500.01	0.70	1 / 17	18.39	19.09	0.081	30.00	-10.91
15 MHz	π/2 BPSK	3457.50	0.70	1 / 19	23.36	24.06	0.255	30.00	-5.94
		3500.01	0.70	1 / 9	23.41	24.11	0.258	30.00	-5.89
		3542.49	0.70	1 / 9	23.36	24.06	0.255	30.00	-5.94
	QPSK	3457.50	0.70	1 / 19	23.30	24.00	0.251	30.00	-6.00
		3500.01	0.70	1 / 19	23.43	24.13	0.259	30.00	-5.87
		3542.49	0.70	1 / 9	23.39	24.09	0.256	30.00	-5.91
	16-QAM	3500.01	0.70	1 / 19	22.44	23.14	0.206	30.00	-6.86
	64-QAM	3457.50	0.70	1 / 19	21.45	22.15	0.164	30.00	-7.85
	256-QAM	3500.01	0.70	1 / 28	18.40	19.10	0.081	30.00	-10.90
	256-QAM	3500.01	0.70	1 / 28	18.40	19.10	0.081	30.00	-10.90
20 MHz	π/2 BPSK	3460.02	0.70	1 / 25	23.41	24.11	0.258	30.00	-5.89
		3500.01	0.70	1 / 25	23.29	23.99	0.251	30.00	-6.01
		3540.00	0.70	1 / 25	23.40	24.10	0.257	30.00	-5.90
	QPSK	3460.02	0.70	1 / 25	23.33	24.03	0.253	30.00	-5.97
		3500.01	0.70	1 / 13	23.38	24.08	0.256	30.00	-5.92
		3540.00	0.70	1 / 13	23.31	24.01	0.252	30.00	-5.99
	16-QAM	3540.00	0.70	1 / 25	22.42	23.12	0.205	30.00	-6.88
	64-QAM	3460.02	0.70	1 / 37	21.34	22.04	0.160	30.00	-7.96
	256-QAM	3500.01	0.70	1 / 25	18.59	19.29	0.085	30.00	-10.71
	256-QAM	3500.01	0.70	1 / 25	18.59	19.29	0.085	30.00	-10.71
30 MHz	π/2 BPSK	3465.00	0.70	1 / 39	23.13	23.83	0.242	30.00	-6.17
		3500.01	0.70	1 / 58	23.22	23.92	0.247	30.00	-6.08
		3534.99	0.70	1 / 39	23.27	23.97	0.249	30.00	-6.03
	QPSK	3465.00	0.70	1 / 19	23.37	24.07	0.255	30.00	-5.93
		3500.01	0.70	1 / 39	23.45	24.15	0.260	30.00	-5.85
		3534.99	0.70	1 / 39	23.31	24.01	0.252	30.00	-5.99
	16-QAM	3465.00	0.70	1 / 19	22.26	22.96	0.198	30.00	-7.04
	64-QAM	3534.99	0.70	1 / 39	21.41	22.11	0.163	30.00	-7.89
	256-QAM	3465.00	0.70	1 / 39	18.44	19.14	0.082	30.00	-10.86
	256-QAM	3465.00	0.70	1 / 39	18.44	19.14	0.082	30.00	-10.86
40 MHz	π/2 BPSK	3470.01	0.70	1 / 26	23.40	24.10	0.257	30.00	-5.90
		3500.01	0.70	1 / 79	23.19	23.89	0.245	30.00	-6.11
		3529.98	0.70	1 / 53	23.25	23.95	0.248	30.00	-6.05
	QPSK	3470.01	0.70	1 / 26	23.34	24.04	0.254	30.00	-5.96
		3500.01	0.70	1 / 79	23.27	23.97	0.249	30.00	-6.03
		3529.98	0.70	1 / 53	23.45	24.15	0.260	30.00	-5.85
	16-QAM	3470.01	0.70	1 / 53	22.35	23.05	0.202	30.00	-6.95
	64-QAM	3470.01	0.70	1 / 26	21.41	22.11	0.163	30.00	-7.89
	256-QAM	3470.01	0.70	1 / 53	18.65	19.35	0.086	30.00	-10.65
	256-QAM	3470.01	0.70	1 / 53	18.65	19.35	0.086	30.00	-10.65
50 MHz	π/2 BPSK	3475.02	0.70	1 / 66	23.45	24.15	0.260	30.00	-5.85
		3500.01	0.70	1 / 99	23.41	24.11	0.258	30.00	-5.89
		3525.00	0.70	1 / 66	23.38	24.08	0.256	30.00	-5.92
	QPSK	3475.02	0.70	1 / 66	23.34	24.04	0.254	30.00	-5.96
		3500.01	0.70	1 / 99	23.38	24.08	0.256	30.00	-5.92
		3525.00	0.70	1 / 66	23.42	24.12	0.258	30.00	-5.88
	16-QAM	3525.00	0.70	1 / 99	22.44	23.14	0.206	30.00	-6.86
	64-QAM	3475.02	0.70	1 / 33	21.43	22.13	0.163	30.00	-7.87
	256-QAM	3500.01	0.70	1 / 33	18.41	19.11	0.081	30.00	-10.89
	256-QAM	3500.01	0.70	1 / 33	18.41	19.11	0.081	30.00	-10.89
60 MHz	π/2 BPSK	3480.00	0.70	1 / 40	23.14	23.84	0.242	30.00	-6.16
		3500.01	0.70	1 / 121	23.26	23.96	0.249	30.00	-6.04
		3519.99	0.70	1 / 121	23.45	24.15	0.260	30.00	-5.85
	QPSK	3480.00	0.70	1 / 121	23.41	24.11	0.258	30.00	-5.89
		3500.01	0.70	1 / 121	23.33	24.03	0.253	30.00	-5.97
		3519.99	0.70	1 / 81	23.15	23.85	0.243	30.00	-6.15
	16-QAM	3480.00	0.70	1 / 81	22.42	23.12	0.205	30.00	-6.88
	64-QAM	3480.00	0.70	1 / 121	21.37	22.07	0.161	30.00	-7.93
	256-QAM	3519.99	0.70	1 / 81	18.32	19.02	0.080	30.00	-10.98
	256-QAM	3519.99	0.70	1 / 81	18.32	19.02	0.080	30.00	-10.98
70 MHz	π/2 BPSK	3485.01	0.70	1 / 141	23.18	23.88	0.244	30.00	-6.12
		3500.01	0.70	1 / 94	23.45	24.15	0.260	30.00	-5.85
		3514.98	0.70	1 / 94	23.30	24.00	0.251	30.00	-6.00
	QPSK	3485.01	0.70	1 / 94	23.43	24.13	0.259	30.00	-5.87
		3500.01	0.70	1 / 47	23.44	24.14	0.259	30.00	-5.86
		3514.98	0.70	1 / 47	23.32	24.02	0.252	30.00	-5.98
	16-QAM	3514.98	0.70	1 / 141	22.42	23.12	0.205	30.00	-6.88
	64-QAM	3500.01	0.70	1 / 47	21.42	22.12	0.163	30.00	-7.88
	256-QAM	3514.98	0.70	1 / 47	18.42	19.12	0.082	30.00	-10.88
	256-QAM	3514.98	0.70	1 / 47	18.42	19.12	0.082	30.00	-10.88
80 MHz	π/2 BPSK	3490.02	0.70	1 / 108	23.44	24.14	0.259	30.00	-5.86
		3500.01	0.70	1 / 108	23.12	23.82	0.241	30.00	-6.18
		3510.00	0.70	1 / 54	23.27	23.97	0.249	30.00	-6.03
	QPSK	3490.02	0.70	1 / 162	23.18	23.88	0.244	30.00	-6.12
		3500.01	0.70	1 / 108	23.39	24.09	0.256	30.00	-5.91
		3510.00	0.70	1 / 162	23.33	24.03	0.253	30.00	-5.97
	16-QAM	3490.02	0.70	1 / 162	22.45	23.15	0.207	30.00	-6.85
	64-QAM	3500.01	0.70	1 / 108	21.44	22.14	0.164	30.00	-7.86
	256-QAM	3510.00	0.70	1 / 54	18.37	19.07	0.081	30.00	-10.93
	256-QAM	3510.00	0.70	1 / 54	18.37	19.07	0.081	30.00	-10.93
90 MHz	π/2 BPSK	3495.00	0.70	1 / 61	23.27	23.97	0.249	30.00	-6.03
		3500.01	0.70	1 / 183	23.40	24.10	0.257	30.00	-5.90
		3504.99	0.70	1 / 61	23.28	23.98	0.250	30.00	-6.02
	QPSK	3495.00	0.70	1 / 122	23.32	24.02	0.252	30.00	-5.98
		3500.01	0.70	1 / 183	23.33	24.03	0.253	30.00	-5.97
		3504.99	0.70	1 / 122	23.31	24.01	0.252	30.00	-5.99
	16-QAM	3500.01	0.70	1 / 183	22.36	23.06	0.202	30.00	-6.94
	64-QAM	3495.00	0.70	1 / 61	21.45	22.15	0.164	30.00	-7.85
	256-QAM	3500.01	0.70	1 / 183	18.27	18.97	0.079	30.00	-11.03
	256-QAM	3500.01	0.70	1 / 183	18.27	18.97	0.079	30.00	-11.03
100 MHz	π/2 BPSK	3500.01	0.70	1 / 136	23.28	23.98	0.250	30.00	-6.02
	QPSK	3500.01	0.70	1 / 136	23.33	24.03	0.253	30.00	-5.97
	16-QAM	3500.01	0.70	1 / 136	22.44	23.14	0.206	30.00	-6.86
	256-QAM	3500.01	0.70	1 / 204	21.42	22.12	0.163	30.00	-7.88
	256-QAM	3500.01	0.70	1 / 68	18.28	18.98	0.079	30.00	-11.02

Table 7-15. Antenna 2a EIRP Data (NR Band n77 (PC3) – DoD Band)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 181 of 200	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	3705.00	0.70	1 / 12	23.41	24.11	0.258	30.00	-5.89
		3840.00	0.70	1 / 6	23.32	24.02	0.252	30.00	-5.98
		3975.00	0.70	1 / 12	23.43	24.13	0.259	30.00	-5.87
	QPSK	3705.00	0.70	1 / 6	23.31	24.01	0.252	30.00	-5.99
		3840.00	0.70	1 / 6	23.47	24.17	0.261	30.00	-5.83
		3975.00	0.70	1 / 6	23.38	24.08	0.256	30.00	-5.92
	16-QAM	3705.00	0.70	1 / 12	22.49	23.19	0.208	30.00	-6.81
	64-QAM	3975.00	0.70	1 / 12	21.49	22.19	0.166	30.00	-7.81
256-QAM	3975.00	0.70	1 / 17	18.47	19.17	0.083	30.00	-10.83	
15 MHz	π/2 BPSK	3707.51	0.70	1 / 9	23.24	23.94	0.248	30.00	-6.06
		3840.00	0.70	1 / 28	23.40	24.10	0.257	30.00	-5.90
		3972.50	0.70	1 / 19	23.31	24.01	0.252	30.00	-5.99
	QPSK	3707.51	0.70	1 / 9	23.47	24.17	0.261	30.00	-5.83
		3840.00	0.70	1 / 19	23.27	23.97	0.249	30.00	-6.03
		3972.50	0.70	1 / 28	23.42	24.12	0.258	30.00	-5.88
	16-QAM	3972.50	0.70	1 / 19	22.43	23.13	0.206	30.00	-6.87
	64-QAM	3972.50	0.70	1 / 19	21.41	22.11	0.163	30.00	-7.89
256-QAM	3840.00	0.70	1 / 9	18.46	19.16	0.082	30.00	-10.84	
20 MHz	π/2 BPSK	3710.01	0.70	1 / 25	23.44	24.14	0.259	30.00	-5.86
		3840.00	0.70	1 / 13	23.45	24.15	0.260	30.00	-5.85
		3969.99	0.70	1 / 25	23.29	23.99	0.251	30.00	-6.01
	QPSK	3710.01	0.70	1 / 25	23.45	24.15	0.260	30.00	-5.85
		3840.00	0.70	1 / 13	23.41	24.11	0.258	30.00	-5.89
		3969.99	0.70	1 / 25	23.42	24.12	0.258	30.00	-5.88
	16-QAM	3710.01	0.70	1 / 13	22.51	23.21	0.209	30.00	-6.79
	64-QAM	3710.01	0.70	1 / 25	21.51	22.21	0.166	30.00	-7.79
256-QAM	3710.01	0.70	1 / 37	18.48	19.18	0.083	30.00	-10.82	
30 MHz	π/2 BPSK	3715.02	0.70	1 / 58	23.35	24.05	0.254	30.00	-5.95
		3840.00	0.70	1 / 19	23.49	24.19	0.262	30.00	-5.81
		3964.98	0.70	1 / 39	23.15	23.85	0.243	30.00	-6.15
	QPSK	3715.02	0.70	1 / 39	23.40	24.10	0.257	30.00	-5.90
		3840.00	0.70	1 / 39	23.27	23.97	0.249	30.00	-6.03
		3964.98	0.70	1 / 39	23.42	24.12	0.258	30.00	-5.88
	16-QAM	3964.98	0.70	1 / 39	22.41	23.11	0.205	30.00	-6.89
	64-QAM	3715.02	0.70	1 / 58	21.44	22.14	0.164	30.00	-7.86
256-QAM	3840.00	0.70	1 / 39	18.47	19.17	0.083	30.00	-10.83	
40 MHz	π/2 BPSK	3720.00	0.70	1 / 53	23.43	24.13	0.259	30.00	-5.87
		3840.00	0.70	1 / 53	23.45	24.15	0.260	30.00	-5.85
		3960.00	0.70	1 / 26	23.37	24.07	0.255	30.00	-5.93
	QPSK	3720.00	0.70	1 / 26	23.49	24.19	0.262	30.00	-5.81
		3840.00	0.70	1 / 53	23.39	24.09	0.256	30.00	-5.91
		3960.00	0.70	1 / 53	23.40	24.10	0.257	30.00	-5.90
	16-QAM	3720.00	0.70	1 / 79	22.39	23.09	0.204	30.00	-6.91
	64-QAM	3960.00	0.70	1 / 26	21.43	22.13	0.163	30.00	-7.87
256-QAM	3960.00	0.70	1 / 26	18.42	19.12	0.082	30.00	-10.88	
50 MHz	π/2 BPSK	3725.01	0.70	1 / 99	23.49	24.19	0.262	30.00	-5.81
		3840.00	0.70	1 / 99	23.27	23.97	0.249	30.00	-6.03
		3954.99	0.70	1 / 66	23.37	24.07	0.255	30.00	-5.93
	QPSK	3725.01	0.70	1 / 66	23.44	24.14	0.259	30.00	-5.86
		3840.00	0.70	1 / 33	23.37	24.07	0.255	30.00	-5.93
		3954.99	0.70	1 / 33	23.25	23.95	0.248	30.00	-6.05
	16-QAM	3725.01	0.70	1 / 33	22.48	23.18	0.208	30.00	-6.82
	64-QAM	3954.99	0.70	1 / 33	21.45	22.15	0.164	30.00	-7.85
256-QAM	3840.00	0.70	1 / 66	18.42	19.12	0.082	30.00	-10.88	
60 MHz	π/2 BPSK	3730.02	0.70	1 / 121	23.48	24.18	0.262	30.00	-5.82
		3840.00	0.70	1 / 81	23.45	24.15	0.260	30.00	-5.85
		3949.98	0.70	1 / 121	23.49	24.19	0.262	30.00	-5.81
	QPSK	3730.02	0.70	1 / 81	23.39	24.09	0.256	30.00	-5.91
		3840.00	0.70	1 / 121	23.47	24.17	0.261	30.00	-5.83
		3949.98	0.70	1 / 81	23.35	24.05	0.254	30.00	-5.95
	16-QAM	3840.00	0.70	1 / 121	22.36	23.06	0.202	30.00	-6.94
	64-QAM	3840.00	0.70	1 / 40	21.46	22.16	0.164	30.00	-7.84
256-QAM	3949.98	0.70	1 / 40	18.55	19.25	0.084	30.00	-10.75	
70 MHz	π/2 BPSK	3735.00	0.70	1 / 141	23.43	24.13	0.259	30.00	-5.87
		3840.00	0.70	1 / 94	23.29	23.99	0.251	30.00	-6.01
		3945.00	0.70	1 / 141	23.48	24.18	0.262	30.00	-5.82
	QPSK	3735.00	0.70	1 / 94	23.34	24.04	0.254	30.00	-5.96
		3840.00	0.70	1 / 94	23.23	23.93	0.247	30.00	-6.07
		3945.00	0.70	1 / 47	23.30	24.00	0.251	30.00	-6.00
	16-QAM	3840.00	0.70	1 / 141	22.46	23.16	0.207	30.00	-6.84
	64-QAM	3735.00	0.70	1 / 141	21.52	22.22	0.167	30.00	-7.78
256-QAM	3735.00	0.70	1 / 94	18.27	18.97	0.079	30.00	-11.03	
80 MHz	π/2 BPSK	3740.01	0.70	1 / 108	23.37	24.07	0.255	30.00	-5.93
		3840.00	0.70	1 / 162	23.25	23.95	0.248	30.00	-6.05
		3939.99	0.70	1 / 162	23.50	24.20	0.263	30.00	-5.80
	QPSK	3740.01	0.70	1 / 54	23.49	24.19	0.262	30.00	-5.81
		3840.00	0.70	1 / 54	23.40	24.10	0.257	30.00	-5.90
		3939.99	0.70	1 / 54	23.47	24.17	0.261	30.00	-5.83
	16-QAM	3840.00	0.70	1 / 54	22.50	23.20	0.209	30.00	-6.80
	64-QAM	3840.00	0.70	1 / 54	21.46	22.16	0.164	30.00	-7.84
256-QAM	3840.00	0.70	1 / 54	18.48	19.18	0.083	30.00	-10.82	
90 MHz	π/2 BPSK	3745.02	0.70	1 / 61	23.41	24.11	0.258	30.00	-5.89
		3840.00	0.70	1 / 122	23.48	24.18	0.262	30.00	-5.82
		3934.98	0.70	1 / 61	23.43	24.13	0.259	30.00	-5.87
	QPSK	3745.02	0.70	1 / 122	23.39	24.09	0.256	30.00	-5.91
		3840.00	0.70	1 / 122	23.38	24.08	0.256	30.00	-5.92
		3934.98	0.70	1 / 122	23.21	23.91	0.246	30.00	-6.09
	16-QAM	3745.02	0.70	1 / 183	22.49	23.19	0.208	30.00	-6.81
	64-QAM	3840.00	0.70	1 / 61	21.48	22.18	0.165	30.00	-7.82
256-QAM	3840.00	0.70	1 / 183	18.51	19.21	0.083	30.00	-10.79	
100 MHz	π/2 BPSK	3750.00	0.70	1 / 68	23.40	24.10	0.257	30.00	-5.90
		3840.00	0.70	1 / 204	23.34	24.04	0.254	30.00	-5.96
		3930.00	0.70	1 / 204	23.22	23.92	0.247	30.00	-6.08
	QPSK	3750.00	0.70	1 / 68	23.33	24.03	0.253	30.00	-5.97
		3840.00	0.70	1 / 136	23.37	24.07	0.255	30.00	-5.93
		3930.00	0.70	1 / 68	23.36	24.06	0.255	30.00	-5.94
	16-QAM	3840.00	0.70	1 / 68	22.52	23.22	0.210	30.00	-6.78
	64-QAM	3840.00	0.70	1 / 68	21.58	22.28	0.169	30.00	-7.72
256-QAM	3840.00	0.70	1 / 68	18.54	19.24	0.084	30.00	-10.76	

Table 7-16. Antenna 2a EIRP Data (NR Band n77 (PC2) – C Band)

FCC ID: BCGA2764		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090028-05.BCG	Test Dates: 5/30/2022 - 9/30/2022	EUT Type: Tablet Device	Page 182 of 200	

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	11/2 BPSK	3705.00	0.70	1 / 12	23.42	24.12	0.258	30.00	-5.88
		3840.00	0.70	1 / 0	23.43	24.13	0.259	30.00	-5.87
		3975.00	0.70	1 / 23	23.47	24.17	0.261	30.00	-5.83
	QPSK	3705.00	0.70	1 / 12	23.37	24.07	0.255	30.00	-5.93
		3840.00	0.70	1 / 0	23.14	23.84	0.242	30.00	-6.16
		3975.00	0.70	1 / 23	23.46	24.16	0.261	30.00	-5.84
	16-QAM	3975.00	0.70	1 / 12	22.49	23.19	0.208	30.00	-6.81
	64-QAM	3840.00	0.70	1 / 12	21.48	22.18	0.165	30.00	-7.82
	256-QAM	3975.00	0.70	1 / 204	18.45	19.15	0.082	30.00	-10.85
	15 MHz	11/2 BPSK	3707.51	0.70	1 / 36	23.45	24.15	0.260	30.00
3840.00			0.70	1 / 0	23.17	23.87	0.242	30.00	-5.89
3972.50			0.70	1 / 36	23.34	24.04	0.254	30.00	-5.96
QPSK		3707.51	0.70	1 / 0	23.44	24.14	0.259	30.00	-5.86
		3840.00	0.70	1 / 0	23.33	24.03	0.253	30.00	-5.97
		3972.50	0.70	1 / 19	23.20	23.90	0.245	30.00	-6.10
16-QAM		3707.51	0.70	1 / 36	22.51	23.21	0.209	30.00	-6.79
64-QAM		3840.00	0.70	1 / 19	21.44	22.14	0.164	30.00	-7.86
256-QAM		3972.50	0.70	1 / 19	18.46	19.16	0.082	30.00	-10.84
20 MHz		11/2 BPSK	3710.01	0.70	1 / 48	23.43	24.13	0.259	30.00
	3840.00		0.70	1 / 25	23.48	24.18	0.262	30.00	-5.82
	3969.99		0.70	1 / 0	23.26	23.96	0.249	30.00	-6.04
	QPSK	3710.01	0.70	1 / 25	23.31	24.01	0.252	30.00	-5.99
		3840.00	0.70	1 / 48	23.37	24.07	0.255	30.00	-5.93
		3969.99	0.70	1 / 25	23.40	24.10	0.257	30.00	-5.90
	16-QAM	3840.00	0.70	1 / 25	22.56	23.26	0.212	30.00	-6.74
	64-QAM	3840.00	0.70	1 / 48	21.43	22.13	0.163	30.00	-7.87
	256-QAM	3969.99	0.70	1 / 36	18.54	19.24	0.084	30.00	-10.76
	30 MHz	11/2 BPSK	3715.02	0.70	1 / 76	23.36	24.06	0.255	30.00
3840.00			0.70	1 / 0	23.38	24.08	0.256	30.00	-5.92
3964.98			0.70	1 / 39	23.45	24.15	0.260	30.00	-5.85
QPSK		3715.02	0.70	1 / 39	23.46	24.16	0.261	30.00	-5.84
		3840.00	0.70	1 / 0	23.12	23.82	0.241	30.00	-6.18
		3964.98	0.70	1 / 39	23.45	24.15	0.260	30.00	-5.85
16-QAM		3964.98	0.70	1 / 0	22.48	23.18	0.208	30.00	-6.82
64-QAM		3964.98	0.70	1 / 0	21.47	22.17	0.165	30.00	-7.83
256-QAM		3964.98	0.70	1 / 36	18.42	19.12	0.082	30.00	-10.88
40 MHz		11/2 BPSK	3720.00	0.70	1 / 50	23.30	24.00	0.251	30.00
	3840.00		0.70	1 / 98	23.32	24.02	0.252	30.00	-5.98
	3960.00		0.70	1 / 98	23.23	23.93	0.247	30.00	-6.07
	QPSK	3720.00	0.70	1 / 98	23.34	24.04	0.254	30.00	-5.96
		3840.00	0.70	1 / 98	23.31	24.01	0.252	30.00	-5.99
		3960.00	0.70	1 / 50	23.38	24.08	0.256	30.00	-5.92
	16-QAM	3960.00	0.70	1 / 50	22.52	23.22	0.210	30.00	-6.78
	64-QAM	3720.00	0.70	1 / 98	21.48	22.18	0.165	30.00	-7.82
	256-QAM	3840.00	0.70	1 / 50	18.35	19.05	0.080	30.00	-10.95
	50 MHz	11/2 BPSK	3725.01	0.70	1 / 64	23.37	24.07	0.255	30.00
3840.00			0.70	1 / 64	23.46	24.16	0.261	30.00	-5.84
3954.99			0.70	1 / 0	23.40	24.10	0.257	30.00	-5.90
QPSK		3725.01	0.70	1 / 126	23.49	24.19	0.262	30.00	-5.81
		3840.00	0.70	1 / 64	23.42	24.12	0.258	30.00	-5.88
		3954.99	0.70	1 / 126	23.27	23.97	0.249	30.00	-6.03
16-QAM		3725.01	0.70	1 / 0	22.50	23.20	0.209	30.00	-6.80
64-QAM		3954.99	0.70	1 / 0	21.52	22.22	0.167	30.00	-7.78
256-QAM		3840.00	0.70	1 / 64	18.53	19.23	0.084	30.00	-10.77
60 MHz		11/2 BPSK	3730.02	0.70	1 / 81	23.36	24.06	0.255	30.00
	3840.00		0.70	1 / 162	23.42	24.12	0.258	30.00	-5.88
	3949.98		0.70	1 / 0	23.31	24.01	0.252	30.00	-5.99
	QPSK	3730.02	0.70	1 / 162	23.47	24.17	0.261	30.00	-5.83
		3840.00	0.70	1 / 81	23.22	23.92	0.247	30.00	-6.08
		3949.98	0.70	1 / 81	23.46	24.16	0.261	30.00	-5.84
	16-QAM	3730.02	0.70	1 / 162	22.43	23.13	0.206	30.00	-6.87
	64-QAM	3840.00	0.70	1 / 81	21.54	22.24	0.167	30.00	-7.76
	256-QAM	3949.98	0.70	1 / 19	18.56	19.26	0.084	30.00	-10.74
	70 MHz	11/2 BPSK	3735.00	0.70	1 / 187	23.38	24.08	0.256	30.00
3840.00			0.70	1 / 90	23.43	24.13	0.259	30.00	-5.87
3945.00			0.70	1 / 90	23.44	24.14	0.259	30.00	-5.86
QPSK		3735.00	0.70	1 / 90	23.41	24.11	0.258	30.00	-5.89
		3840.00	0.70	1 / 0	23.30	24.00	0.251	30.00	-6.00
		3945.00	0.70	1 / 0	23.40	24.10	0.257	30.00	-5.90
16-QAM		3840.00	0.70	1 / 0	22.51	23.21	0.209	30.00	-6.79
64-QAM		3945.00	0.70	1 / 187	21.47	22.17	0.165	30.00	-7.83
256-QAM		3840.00	0.70	1 / 187	18.49	19.19	0.083	30.00	-10.81
80 MHz		11/2 BPSK	3740.01	0.70	1 / 214	23.21	23.91	0.246	30.00
	3840.00		0.70	1 / 214	23.39	24.09	0.256	30.00	-5.91
	3939.99		0.70	1 / 214	23.49	24.19	0.262	30.00	-5.81
	QPSK	3740.01	0.70	1 / 214	23.42	24.12	0.258	30.00	-5.88
		3840.00	0.70	1 / 0	23.47	24.17	0.261	30.00	-5.83
		3939.99	0.70	1 / 214	23.41	24.11	0.258	30.00	-5.89
	16-QAM	3840.00	0.70	1 / 0	22.48	23.18	0.208	30.00	-6.82
	64-QAM	3939.99	0.70	1 / 108	21.46	22.16	0.164	30.00	-7.84
	256-QAM	3740.01	0.70	1 / 0	18.38	19.08	0.081	30.00	-10.92
	90 MHz	11/2 BPSK	3745.02	0.70	1 / 238	23.46	24.16	0.261	30.00
3840.00			0.70	1 / 238	23.44	24.14	0.259	30.00	-5.86
3934.98			0.70	1 / 0	23.24	23.94	0.248	30.00	-6.06
QPSK		3745.02	0.70	1 / 238	23.35	24.05	0.254	30.00	-5.95
		3840.00	0.70	1 / 120	23.49	24.19	0.262	30.00	-5.81
		3934.98	0.70	1 / 0	23.47	24.17	0.261	30.00	-5.83
16-QAM		3840.00	0.70	1 / 0	22.53	23.23	0.210	30.00	-6.77
64-QAM		3840.00	0.70	1 / 120	21.46	22.16	0.164	30.00	-7.84
256-QAM		3745.02	0.70	1 / 0	18.52	19.22	0.084	30.00	-10.78
100 MHz		11/2 BPSK	3750.00	0.70	1 / 0	23.42	24.12	0.258	30.00
	3840.00		0.70	1 / 135	23.30	24.00	0.251	30.00	-6.00
	3930.00		0.70	1 / 0	23.44	24.14	0.259	30.00	-5.86
	QPSK	3750.00	0.70	1 / 135	23.18	23.88	0.244	30.00	-6.12
		3840.00	0.70	1 / 135	23.37	24.07	0.255	30.00	-5.93
		3930.00	0.70	1 / 268	23.50	24.20	0.263	30.00	-5.80
	16-QAM	3750.00	0.70	1 / 268	22.45	23.15	0.207	30.00	-6.85
	64-QAM	3930.00	0.70	1 / 135	21.35	22.05	0.160	30.00	-7.95
	256-QAM	3930.00	0.70	1 / 68	18.51	19.21	0.083	30.00	-10.79

Table 7-17. Antenna 2a EIRP Data (NR Band n77 (PC3) – C Band)

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

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Test Setup

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

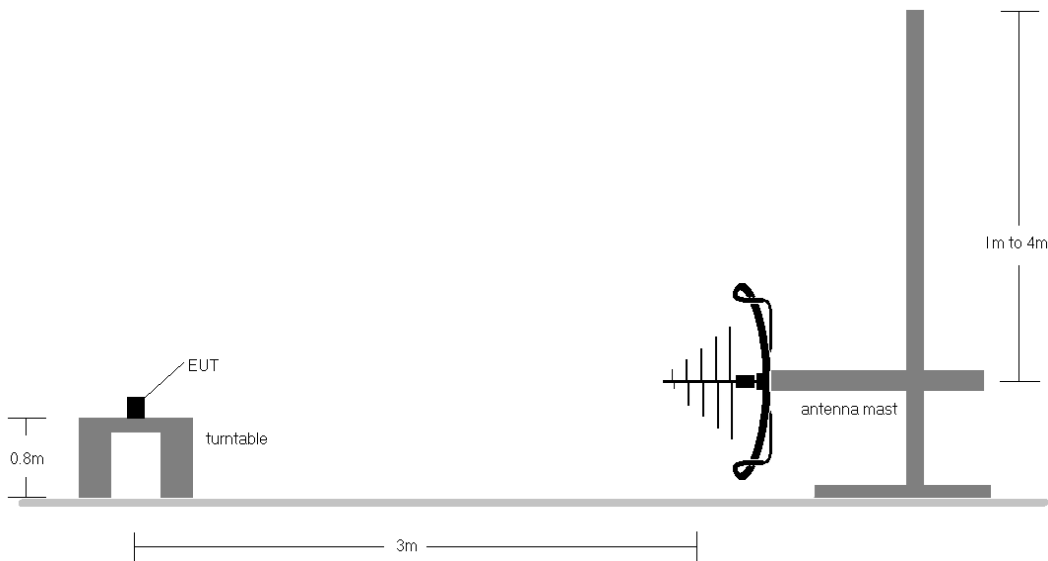


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

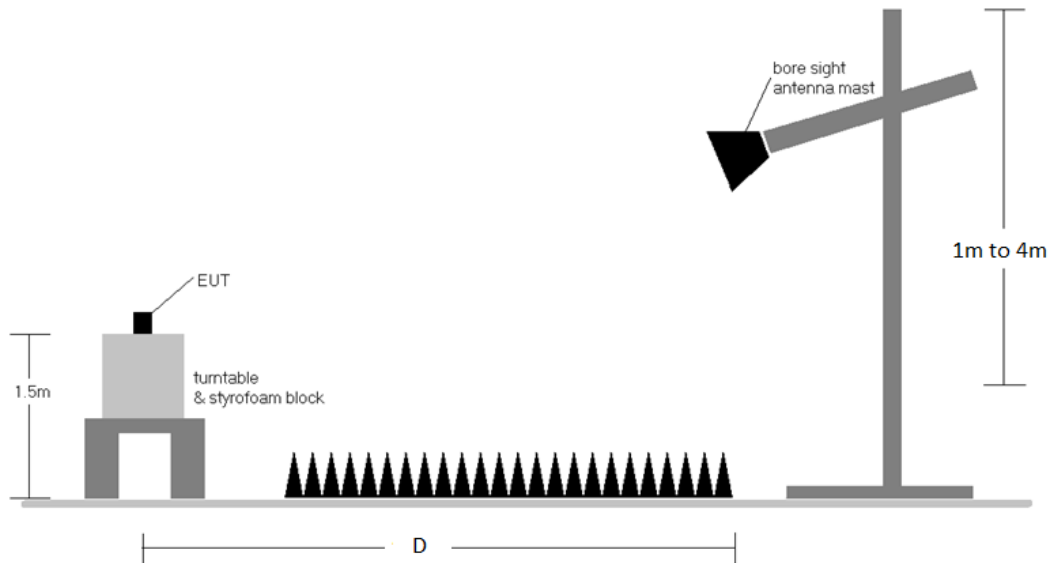


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

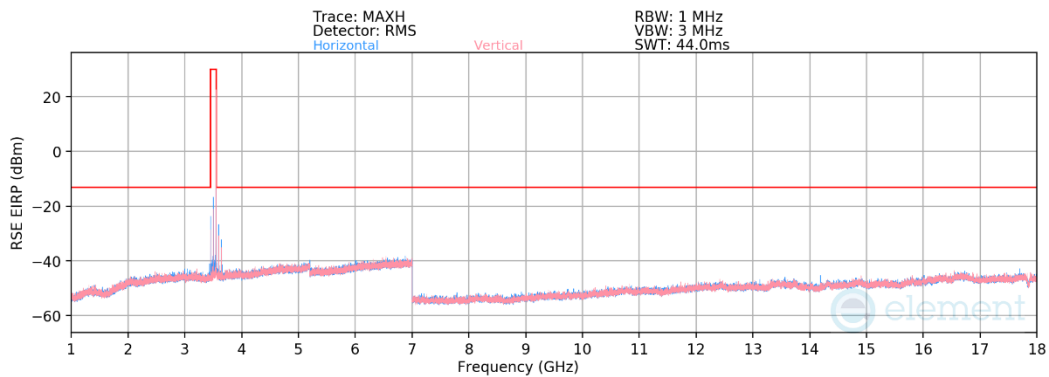
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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.

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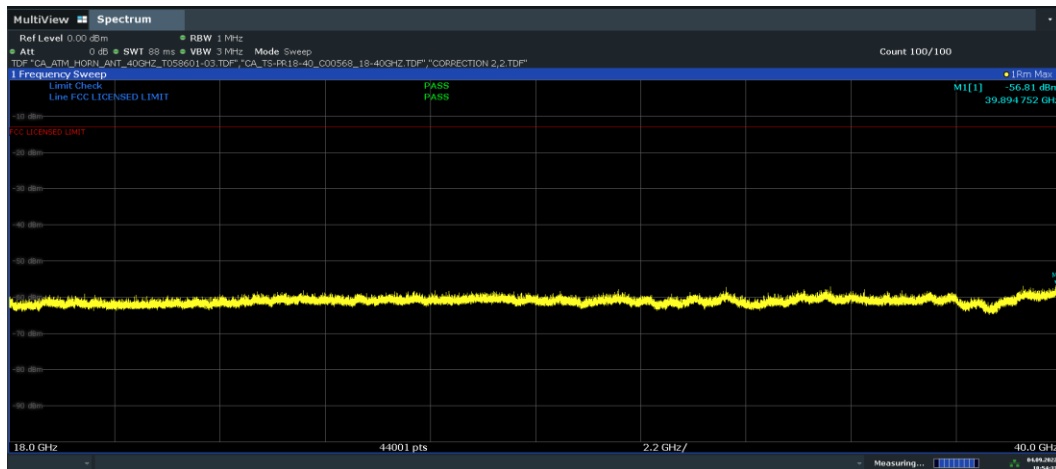
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7.7.1 Antenna 3 Radiated Spurious Emission Measurements

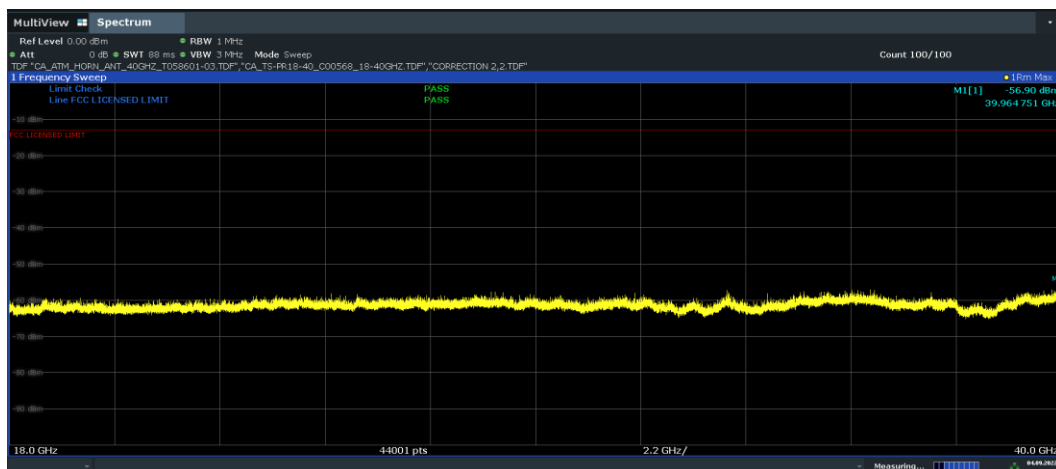
NR Band n77 DoD Band



Plot 7-283. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-284. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band, Pol. H)



Plot 7-285. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band, Pol. V)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	141	191	-78.78	8.77	36.99	-58.27	-13.00	-45.27
10485.0	H	-	-	-80.44	11.92	38.48	-56.78	-13.00	-43.78
13980.0	H	-	-	-81.91	14.44	39.53	-55.72	-13.00	-42.72
17475.0	H	-	-	-83.30	18.17	41.87	-53.39	-13.00	-40.39

Table 7-18. Antenna 3 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	329	194	-78.49	8.78	37.29	-57.97	-13.00	-44.97
10500.0	H	-	-	-80.57	12.04	38.47	-56.79	-13.00	-43.79
14000.0	H	-	-	-82.09	14.86	39.77	-55.49	-13.00	-42.49
17500.0	H	-	-	-83.09	18.17	42.08	-53.17	-13.00	-40.17

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

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

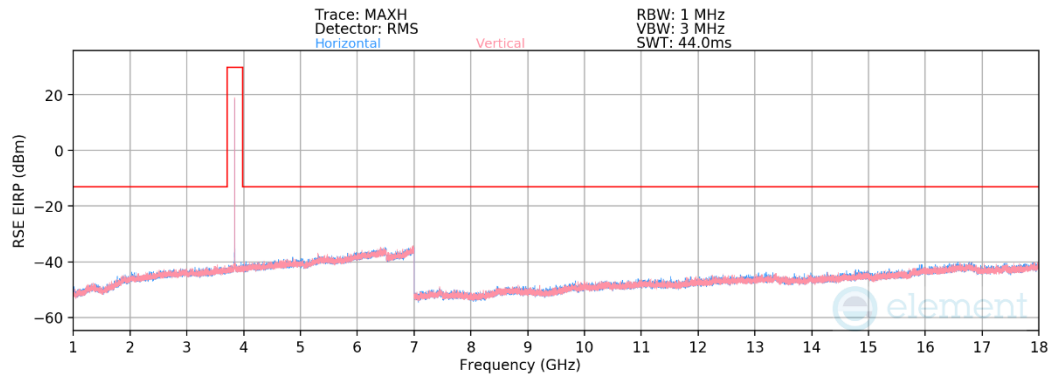
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	101	326	-79.85	8.75	35.90	-59.35	-13.00	-46.35
10515.0	H	-	-	-80.26	12.01	38.75	-56.51	-13.00	-43.51
14020.0	H	252	246	-82.23	14.81	39.58	-55.68	-13.00	-42.68
17525.0	H	-	-	-83.28	18.17	41.89	-53.36	-13.00	-40.36

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

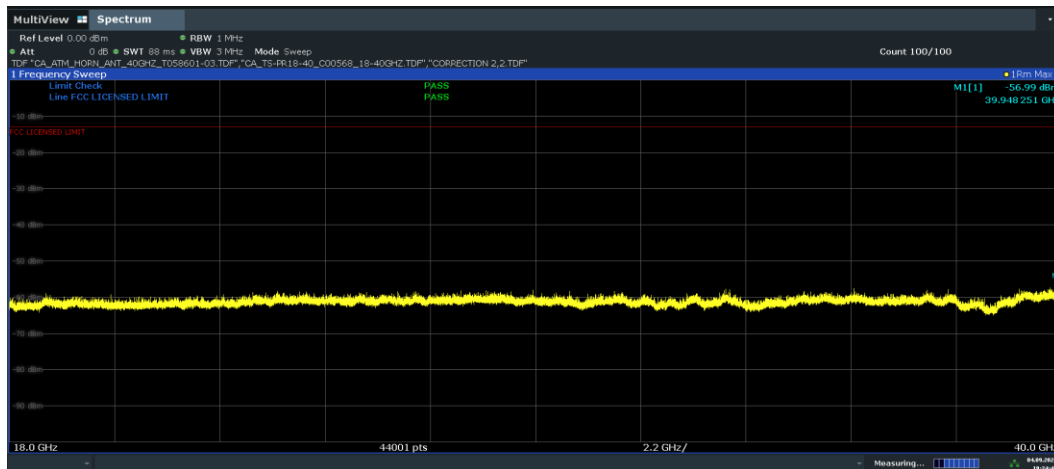
FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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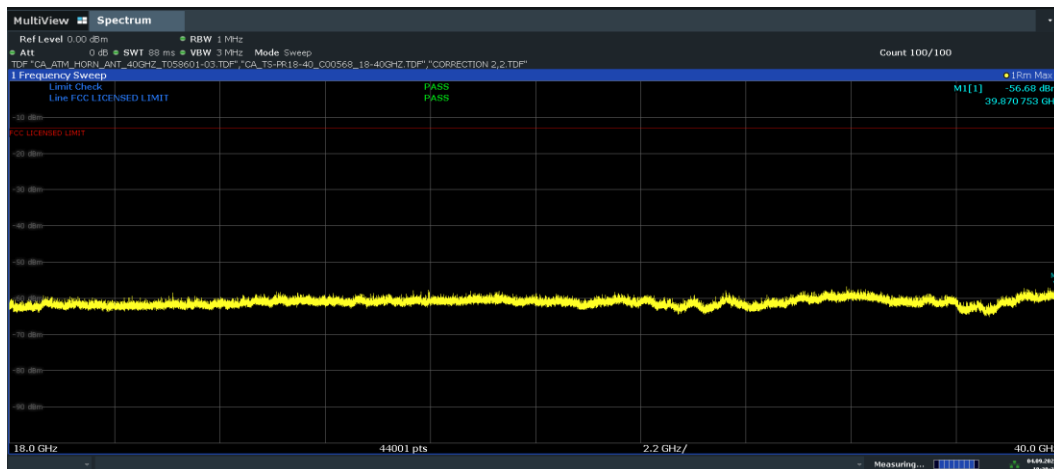
NR Band n77 C Band



Plot 7-286. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)



Plot 7-287. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n77 C Band, Pol. H)



Plot 7-288. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n77 C Band, Pol. V)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.88	9.97	38.09	-57.17	-13.00	-44.17
11250.0	H	222	149	-80.49	15.23	41.74	-53.52	-13.00	-40.52
15000.0	H	-	-	-82.01	18.74	43.73	-51.53	-13.00	-38.53

Table 7-21. Antenna 3 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.91	10.12	37.21	-58.05	-13.00	-45.05
11520.0	H	243	145	-79.36	16.04	43.68	-51.58	-13.00	-38.58
15360.0	H	-	-	-82.02	19.00	43.98	-51.28	-13.00	-38.28

Table 7-22. Antenna 3 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-79.89	10.44	37.55	-57.70	-13.00	-44.70
11790.0	H	291	157	-80.34	15.70	42.36	-52.90	-13.00	-39.90
15720.0	H	-	-	-81.58	19.50	44.92	-50.34	-13.00	-37.34

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

FCC ID: BCGA2764	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 Antenna 1 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	V	260	360	-80.69	8.76	35.07	-60.19	-13.00	-47.19
10485.0	V	-	-	-81.52	11.92	37.40	-57.86	-13.00	-44.86
13980.0	V	309	153	-82.09	14.44	39.35	-55.90	-13.00	-42.90
17475.0	V	-	-	-83.70	18.18	41.48	-53.78	-13.00	-40.78

Table 7-24. Antenna 1 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	V	255	354	-80.58	8.78	35.20	-60.06	-13.00	-47.06
10500.0	V	-	-	-81.05	12.05	38.00	-57.26	-13.00	-44.26
14000.0	V	231	139	-82.41	14.86	39.45	-55.81	-13.00	-42.81
17500.0	V	-	-	-82.84	18.17	42.33	-52.92	-13.00	-39.92

Table 7-25. Antenna 1 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	V	263	358	-80.55	8.77	35.22	-60.04	-13.00	-47.04
10515.0	V	-	-	-81.14	12.01	37.87	-57.39	-13.00	-44.39
14020.0	V	255	154	-82.73	14.81	39.08	-56.18	-13.00	-43.18
17525.0	V	-	-	-82.91	18.17	42.26	-52.99	-13.00	-39.99

Table 7-26. Antenna 1 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

FCC ID: BCGA2764	 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	V	257	10	-73.48	9.97	43.49	-51.77	-13.00	-38.77
11250.0	V	-	-	-80.64	15.23	41.59	-53.67	-13.00	-40.67
15000.0	V	-	-	-82.31	18.74	43.43	-51.83	-13.00	-38.83

Table 7-27. Antenna 1 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	V	250	5	-70.49	10.12	46.63	-48.63	-13.00	-35.63
11520.0	V	-	-	-81.19	16.04	41.85	-53.41	-13.00	-40.41
15360.0	V	-	-	-82.10	19.00	43.90	-51.36	-13.00	-38.36

Table 7-28. Antenna 1 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	V	250	5	-75.12	10.44	42.32	-52.93	-13.00	-39.93
11790.0	V	298	31	-79.59	15.70	43.11	-52.15	-13.00	-39.15
15720.0	V	-	-	-82.51	19.50	43.99	-51.27	-13.00	-38.27

Table 7-29. Antenna 1 Radiated Spurious Data (NR Band n77 C Band – High Channel)

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7.7.3 Antenna 4b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-80.61	8.76	35.15	-60.11	-13.00	-47.11
10485.0	H	-	-	-81.09	11.92	37.83	-57.43	-13.00	-44.43
13980.0	V	125	139	-82.62	14.44	38.82	-56.43	-13.00	-43.43
17475.0	H	-	-	-82.71	18.18	42.47	-52.79	-13.00	-39.79

Table 7-30. Antenna 4b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-79.71	8.67	35.96	-59.30	-13.00	-46.30
10500.0	H	-	-	-81.02	9.91	35.89	-59.37	-13.00	-46.37
14000.0	H	-	-	-82.34	13.30	37.96	-57.30	-13.00	-44.30

Table 7-31. Antenna 4b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-79.92	8.66	35.74	-59.52	-13.00	-46.52
10515.0	H	-	-	-80.63	10.22	36.59	-58.67	-13.00	-45.67
14020.0	H	-	-	-82.17	13.21	38.04	-57.22	-13.00	-44.22

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

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-78.87	9.63	37.76	-57.49	-13.00	-44.49
11250.0	V	146	39	-76.71	14.61	44.90	-50.36	-13.00	-37.36
15000.0	H	-	-	-82.16	18.45	43.29	-51.97	-13.00	-38.97

Table 7-33. Antenna 4b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-79.94	10.08	37.14	-58.12	-13.00	-45.12
11520.0	V	215	182	-79.58	15.18	42.60	-52.66	-13.00	-39.66
15360.0	H	-	-	-82.00	18.90	43.90	-51.35	-13.00	-38.35

Table 7-34. Antenna 4b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-80.06	10.18	37.12	-58.14	-13.00	-45.14
11790.0	V	250	188	-80.51	15.54	42.03	-53.23	-13.00	-40.23
15720.0	H	-	-	-82.25	19.44	44.19	-51.07	-13.00	-38.07

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

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7.7.4 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6990.0	H	-	-	-79.70	8.69	35.99	-59.27	-13.00	-46.27
10485.0	H	-	-	-81.07	10.14	36.07	-59.19	-13.00	-46.19
13980.0	H	-	-	-82.18	13.35	38.17	-57.09	-13.00	-44.09

Table 7-36. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7000.0	H	-	-	-79.66	8.67	36.01	-59.25	-13.00	-46.25
10500.0	H	-	-	-81.12	9.91	35.79	-59.47	-13.00	-46.47
14000.0	H	-	-	-82.25	13.30	38.05	-57.21	-13.00	-44.21

Table 7-37. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7010.0	H	-	-	-79.69	8.66	35.97	-59.29	-13.00	-46.29
10515.0	H	-	-	-80.69	10.22	36.53	-58.73	-13.00	-45.73
14020.0	H	-	-	-82.20	13.21	38.01	-57.25	-13.00	-44.25

Table 7-38. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7500.0	H	-	-	-79.08	9.63	37.55	-57.70	-13.00	-44.70
11250.0	H	-	-	-81.12	14.61	40.49	-54.77	-13.00	-41.77
15000.0	H	-	-	-82.05	18.45	43.40	-51.86	-13.00	-38.86

Table 7-39. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7680.0	H	-	-	-80.07	10.08	37.01	-58.25	-13.00	-45.25
11520.0	H	-	-	-81.44	15.18	40.74	-54.52	-13.00	-41.52
15360.0	H	-	-	-81.93	18.90	43.97	-51.28	-13.00	-38.28

Table 7-40. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7860.0	H	-	-	-80.25	10.18	36.93	-58.33	-13.00	-45.33
11790.0	H	395	336	-80.79	15.54	41.75	-53.51	-13.00	-40.51
15720.0	H	-	-	-82.35	19.44	44.09	-51.17	-13.00	-38.17

Table 7-41. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – High Channel)

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7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

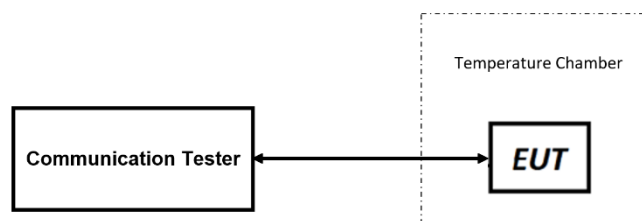


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

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	3,494,999,554	3,504,999,446	-446	-554	-0.00001581
		- 20	3,494,999,452	3,504,999,547	-548	-453	-0.00001568
		- 10	3,494,999,492	3,504,999,503	-508	-497	-0.00001454
		0	3,494,999,530	3,504,999,480	-470	-520	-0.00001484
		+ 10	3,494,999,449	3,504,999,523	-551	-477	-0.00001577
		+ 20 (Ref)	3,495,000,000	3,505,000,000	-504	-486	-0.00001442
		+ 30	3,494,999,544	3,504,999,460	-456	-540	-0.00001541
		+ 40	3,494,999,463	3,504,999,489	-537	-511	-0.00001536
		+ 50	3,494,999,482	3,504,999,476	-518	-524	-0.00001495
Battery Endpoint	3.23	+ 20	3,494,999,493	3,504,999,517	-507	-483	-0.00001451

Table 7-42. NR Band n77 DoD Band Frequency Stability Data

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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	3,749,999,460	3,929,999,519	-540	-481	-0.00001440
		- 20	3,749,999,497	3,929,999,511	-503	-489	-0.00001341
		- 10	3,749,999,452	3,929,999,470	-548	-530	-0.00001461
		0	3,749,999,546	3,929,999,461	-454	-539	-0.00001372
		+ 10	3,749,999,529	3,929,999,529	-471	-471	-0.00001256
		+ 20 (Ref)	3,750,000,000	3,930,000,000	-527	-542	-0.00001379
		+ 30	3,749,999,526	3,929,999,538	-474	-462	-0.00001264
		+ 40	3,749,999,503	3,929,999,529	-497	-471	-0.00001325
		+ 50	3,749,999,483	3,929,999,511	-517	-489	-0.00001379
Battery Endpoint	3.23	+ 20	3,749,999,507	3,929,999,487	-493	-513	-0.00001305

Table 7-43. NR Band n77 C Band Frequency Stability Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2764** complies with all the requirements of Part 27 of the FCC rules.

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