

Plot 7-271. Upper Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

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### NR Band n41



Plot 7-272. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK - Full RB)



Plot 7-273. Middle ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK - Full RB)

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Plot 7-274. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK - Full RB)



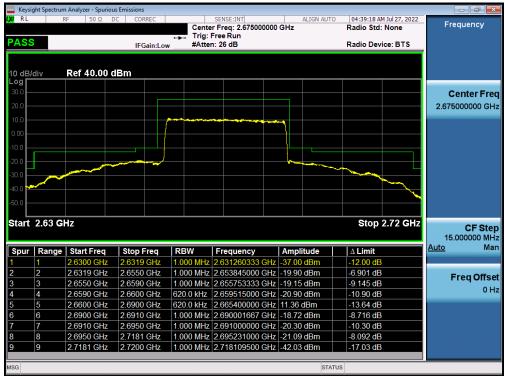
Plot 7-275. Lower ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM  $\pi$ /2 BPSK – Full RB)

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Plot 7-276. Middle ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM π/2 BPSK - Full RB)



Plot 7-277. Upper ACP Plot (NR Band n41 - 30MHz CP-OFDM QPSK - Full RB)

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Plot 7-278. Lower ACP Plot (NR Band n41 - 40MHz \_CP-OFDM QPSK - Full RB)



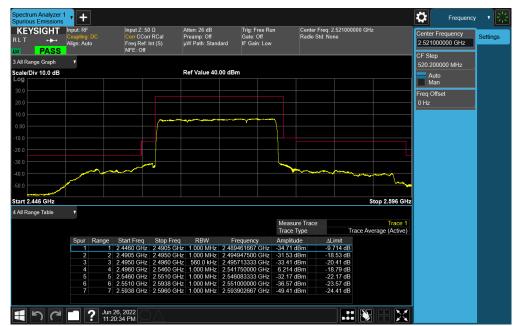
Plot 7-279. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK - Full RB)

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Plot 7-280. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK - Full RB)



Plot 7-281. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)

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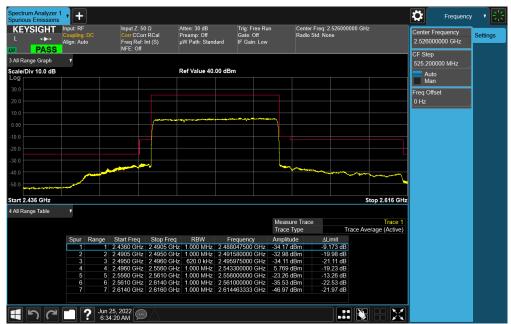
Plot 7-282. Middle ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)



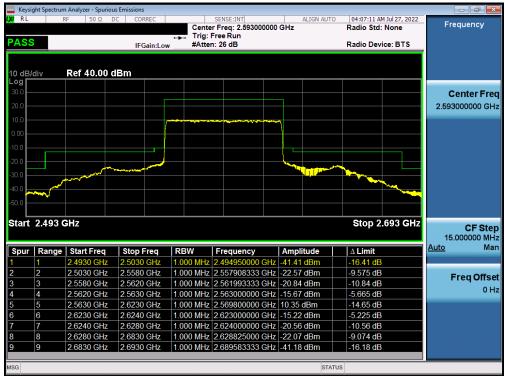
Plot 7-283. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK - Full RB)

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Plot 7-284. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK - Full RB)



Plot 7-285. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK - Full RB)

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Plot 7-286. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK - Full RB)



Plot 7-287. Lower ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK - Full RB)

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Plot 7-288. Middle ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK - Full RB)



Plot 7-289. Upper ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK - Full RB)

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Plot 7-290. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK - Full RB)



Plot 7-291. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK - Full RB)

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Plot 7-292. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK - Full RB)



Plot 7-293. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK - Full RB)

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Plot 7-294. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK - Full RB)



Plot 7-295. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK - Full RB)

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Plot 7-296. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK - Full RB)



Plot 7-297. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK - Full RB)

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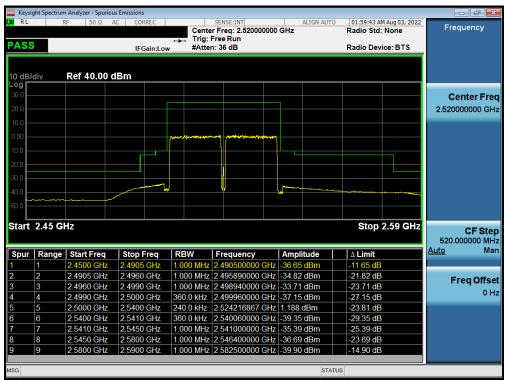


Plot 7-298. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK - Full RB)

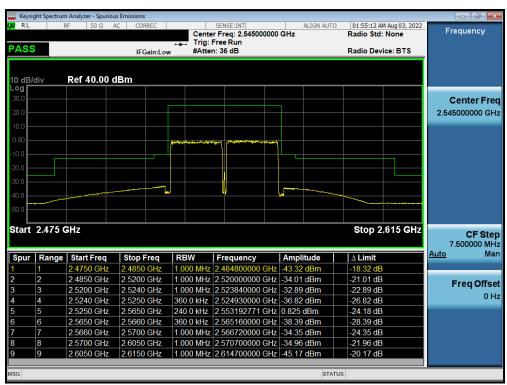
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### **ULCA - LTE Band 7**



Plot 7-299. Lower ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK - Full RB)



Plot 7-300. Middle ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK - Full RB)

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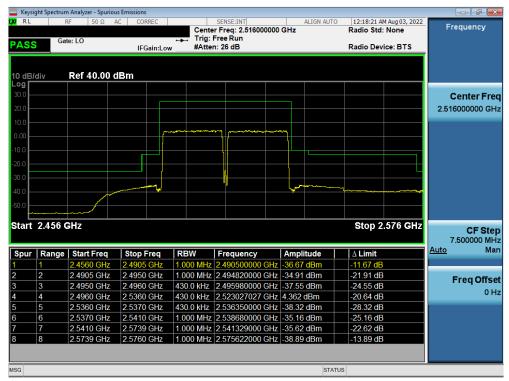


Plot 7-301. Upper ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK - Full RB)

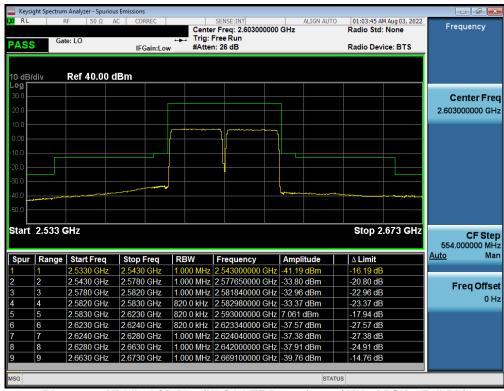
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### **ULCA - LTE Band 41**



Plot 7-302. Lower ACP Plot (ULCA LTE B41 - (20+20)MHz QPSK - Full RB)



Plot 7-303. Middle ACP Plot (ULCA LTE B41 - (20+20)MHz QPSK - Full RB)

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Plot 7-304. Upper ACP Plot (ULCA LTE B41 - (20+20)MHz QPSK - Full RB)

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# 7.5 Additional Maximum Power Reduction (A-MPR) §2.1046

### **Test Overview**

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

#### **Test Procedure Used**

KDB 971168 D01 v03

### **Test Setup**

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

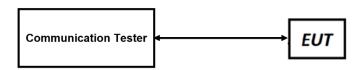


Figure 7-4. Conducted Power Measurement Setup

#### **Test Notes**

None.

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Test Case	NS	мсс	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]				
										QPSK	0	25.80	24.7	1.10				
1				5	39675	2498.5	1	0	3	16-QAM	1	25.29	23.7	1.59				
'				"	39073	2430.3	'	0	3	64-QAM	2	24.44	22.7	1.74				
										256-QAM	4	23.49	20.7	2.79				
										QPSK	0	28.70	27.7	1.00				
				-	20075	0400.5				16-QAM	1	28.41	26.7	1.71				
2				5	39675	39675 2498.5	1	9	0	64-QAM	2	27.55	25.7	1.85				
										256-QAM	4	24.38	23.7	0.68				
										QPSK	0	23.81	22.7	1.11				
				40						16-QAM	1	23.33	21.7	1.63				
3				10	39700	2501	1	0	5	64-QAM	2	22.38	20.7	1.68				
										256-QAM	4	19.23	18.7	0.53				
	-									QPSK	0	26.15	25.7	0.45				
										16-QAM	1		24.7	0.43				
4				10	39700	2501	20	0	2			25.43						
										64-QAM	2	24.42	23.7	0.72				
										256-QAM	4	22.36	21.7	0.66				
										QPSK	0	25.30	24.7	0.60				
5				10	39700	2501	50	0	3	16-QAM	1	24.33	23.7	0.63				
•				10	33700	2001	30	ľ	3	64-QAM	2	23.28	22.7	0.58				
										256-QAM	4	21.36	20.7	0.66				
	1									QPSK	0	27.30	26.7	0.60				
_				l .			_	_	1	16-QAM	1	26.28	25.7	0.58				
6				10	39700	2501	25	20	1	64-QAM	2	25.38	24.7	0.68				
									1	256-QAM	4	24.32	22.7	1.62				
	1			<del>                                     </del>					<del>                                     </del>	QPSK			27.7					
									1		0	28.70		1.00				
7				10	39700	2501	1	36	0	16-QAM	1	28.32	26.7	1.62				
										64-QAM	2	27.46	25.7	1.76				
										256-QAM	4	24.22	23.7	0.52				
										QPSK	0	23.53	22.7	0.83				
8				15	39725	2503.5	1	0	5	16-QAM	1	22.94	21.7	1.24				
0				15	39723	2505.5	'	"	5	64-QAM	2	22.04	20.7	1.34				
												256-QAM	4	19.08	18.7	0.38		
											QPSK	0	26.10	25.7	0.40			
										16-QAM	1	25.15	24.7	0.45				
9	01	01	312	530	15	39725	2503.5	03.5 20 0	2	64-QAM	2	24.17	23.7	0.47				
								256-QAM	4		21.7	0.47						
			1									22.18						
										QPSK	0	24.25	23.7	0.55				
10				15 39725 2503.5 75 0 4	4	16-QAM	1	23.22	22.7	0.52								
				64-QAM	2	22.25	21.7	0.55										
										256-QAM	4	20.26	19.7	0.56				
	[									QPSK	0	25.23	24.7	0.53				
11				15	39725	2503.5	50	15	3	16-QAM	1	24.26	23.7	0.56				
11					39725	2503.5	50	15	3	64-QAM	2	23.22	22.7	0.52				
										256-QAM	4	21.18	20.7	0.48				
	1									QPSK	0	28.69	27.7	0.99				
										16-QAM	1	28.28	26.7	1.58				
12				15	39725	2503.5	1	60	0	64-QAM	2	27.44	25.7	1.74				
										256-QAM	4	24.06	23.7	0.36				
										QPSK	0	23.49	22.7	0.79				
													1	16-QAM	1	23.49	21.7	1.42
13				20	39750	2506	1	0	5	64-QAM	2			1.42				
									1			21.97	20.7					
	1			-					<del>                                     </del>	256-QAM	4	19.13	18.7	0.43				
									1	QPSK	0	26.06	25.7	0.36				
14				20	39750	2506	2506 20 0	20 0	2	16-QAM	1	25.13	24.7	0.43				
									1	64-QAM	2	24.13	23.7	0.43				
				ļ					1	256-QAM	4	22.08	21.7	0.38				
									1	QPSK	0	24.08	23.7	0.38				
15				20	39750	2506	100	0	4	16-QAM	1	23.20	22.7	0.50				
13				20	39/50	2300	100	ľ	4	64-QAM	2	22.18	21.7	0.48				
									1	256-QAM	4	20.08	19.7	0.38				
	1									QPSK	0	25.06	24.7	0.36				
									1	16-QAM	1	24.26	23.7	0.56				
16				20	39750	2506	75	24	3	64-QAM	2	23.15	22.7	0.45				
									1	256-QAM	4	21.11	20.7	0.43				
	1			<del>                                     </del>					+	QPSK	0		27.7	0.41				
									1			28.54						
17				20	39750	2506	1	77	0	16-QAM	1	28.25	26.7	1.55				
									1	64-QAM	2	27.33	25.7	1.63				
									1	256-QAM	4	24.05	23.7	0.35				
									1	QPSK	0	25.77	24.7	1.07				
18	01	311	490	5	39675	2498.5	1	0	3	16-QAM	1	25.41	23.7	1.71				
.5	l "'	"	.50	l	55575	2.50.0	l '	l	"	64-QAM	2	24.45	22.7	1.75				
									L	256-QAM	4	21.20	20.7	0.50				
										QPSK	0	28.70	27.7	1.00				
						1			1									
40		001		_	20275	0400 5		_	_	16-QAM	1	28.41	26.7	1.71				
19	01	001	01	5	39675	2498.5	1	0	0	16-QAM 64-QAM	2	28.41 27.33	26.7 25.7	1.71				

**Table 7-2. A-MPR Conducted Power Measurements** 

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### 7.6 Radiated Power (EIRP) §27.50(a)(3), §27.50(h)(2)

#### **Test Overview**

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

#### **Test Procedures Used**

KDB 971168 D01 v03r01 - Section 5.2.1

ANSI C63.26-2015 - Section 5.2.5.5

### **Test Settings**

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

EIRP = PMeas - LC + GT

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

### **Test Setup**

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

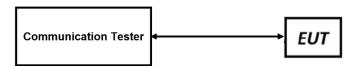


Figure 7-5. EIRP Measurement Setup

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### **Test Notes**

- 1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2. This unit was tested with its standard battery.
- 3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
- 4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
- 5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
- 6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
- 7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

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# 7.6.1 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]
		2307.5	-0.30	1 / 12	23.30	23.00	0.200	23.98	-0.98
	QPSK	2310.0	-0.30	1 / 12	22.96	22.66	0.185	23.98	-1.32
5 MHz		2312.5	-0.30	1 / 12	22.76	22.46	0.176	23.98	-1.52
3 MHZ	16-QAM	2307.5	-0.30	1 / 12	22.22	21.92	0.156	23.98	-2.06
	64-QAM	2310.0	-0.30	1 / 0	21.31	21.01	0.126	23.98	-2.97
	256-QAM	2312.5	-0.30	1/0	18.23	17.93	0.062	23.98	-6.05
	QPSK	2310.0	-0.30	1 / 0	23.30	23.00	0.200	23.98	-0.98
10 MHz	16-QAM	2310.0	-0.30	1 / 0	22.54	22.24	0.167	23.98	-1.74
10 MHZ	64-QAM	2310.0	-0.30	1 / 0	21.83	21.53	0.142	23.98	-2.45
	256-QAM	2310.0	-0.30	1 / 25	18.15	17.85	0.061	23.98	-6.13

Table 7-3. Antenna 4b EIRP Data (LTE Band 30)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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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]
		2502.5	0.20	1 / 0	25.61	25.81	0.381	33.01	-7.20
	QPSK	2535.0	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
5 MU=		2567.5	0.20	1 / 12	25.70	25.90	0.389	33.01	-7.11
5 MHz	16-QAM	2502.5	0.20	1 / 0	24.69	24.89	0.308	33.01	-8.12
	64-QAM	2567.5	0.20	1 / 24	23.97	24.17	0.261	33.01	-8.84
	256-QAM	2567.5	0.20	1 / 24	20.91	21.11	0.129	33.01	-11.90
		2505.0	0.20	1 / 0	25.56	25.76	0.377	33.01	-7.25
	QPSK	2535.0	0.20	1 / 49	25.08	25.28	0.337	33.01	-7.73
40 MH=		2565.0	0.20	1 / 49	25.70	25.90	0.389	33.01	-7.11
10 MHz	16-QAM	2565.0	0.20	1 / 49	24.75	24.95	0.313	33.01	-8.06
	64-QAM	2565.0	0.20	1 / 49	23.81	24.01	0.252	33.01	-9.00
	256-QAM	2505.0	0.20	1/0	20.77	20.97	0.125	33.01	-12.04
		2507.5	0.20	1/0	25.39	25.59	0.362	33.01	-7.42
	QPSK	2535.0	0.20	1 / 74	25.29	25.49	0.354	33.01	-7.52
15 MU-		2562.5	0.20	1 / 74	25.70	25.90	0.389	33.01	-7.11
15 MHz	16-QAM	2562.5	0.20	1 / 74	24.79	24.99	0.316	33.01	-8.02
	64-QAM	2562.5	0.20	1 / 74	23.94	24.14	0.259	33.01	-8.87
	256-QAM	2562.5	0.20	1 / 74	21.21	21.41	0.138	33.01	-11.60
		2510.0	0.20	1/0	25.22	25.42	0.348	33.01	-7.59
	QPSK	2535.0	0.20	1 / 99	24.89	25.09	0.323	33.01	-7.92
20 MH=		2560.0	0.20	1 / 99	25.70	25.90	0.389	33.01	-7.11
20 MHz	16-QAM	2560.0	0.20	1 / 50	24.90	25.10	0.324	33.01	-7.91
	64-QAM	2560.0	0.20	1 / 99	23.84	24.04	0.254	33.01	-8.97
	256-QAM	2510.0	0.20	1 / 50	20.85	21.05	0.127	33.01	-11.96

Table 7-4. Antenna 4b EIRP Data (LTE Band 7)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2498.5	-0.40	1 / 12	27.63	27.23	0.528	33.01	-5.78
	QPSK	2593.0	-0.40	1 / 12	27.27	26.87	0.486	33.01	-6.14
5 MHz		2687.5	-0.40	1 / 12	27.70	27.30	0.537	33.01	-5.71
3 IVITZ	16-QAM	2687.5	-0.40	1 / 12	27.33	26.93	0.493	33.01	-6.08
	64-QAM	2687.5	-0.40	1 / 24	26.29	25.89	0.388	33.01	-7.12
	256-QAM	2687.5	-0.40	1 / 12	23.45	23.05	0.202	33.01	-9.96
		2501.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.01
	QPSK	2593.0	-0.40	1 / 25	27.34	26.94	0.494	33.01	-6.07
40 MILE		2685.0	-0.40	1 / 49	27.70	27.30	0.537	33.01	-5.71
10 MHz	16-QAM	2685.0	-0.40	1 / 0	27.11	26.71	0.469	33.01	-6.30
	64-QAM	2685.0	-0.40	1 / 25	25.90	25.50	0.355	33.01	-7.51
	256-QAM	2685.0	-0.40	1 / 25	23.31	22.91	0.195	33.01	-10.10
		2503.5	-0.40	1 / 74	27.51	27.11	0.514	33.01	-5.90
	QPSK	2593.0	-0.40	1 / 37	27.41	27.01	0.502	33.01	-6.00
45 MU=		2682.5	-0.40	1 / 37	27.70	27.30	0.537	33.01	-5.71
15 MHz	16-QAM	2682.5	-0.40	1 / 37	27.25	26.85	0.484	33.01	-6.16
	64-QAM	2682.5	-0.40	1 / 37	26.20	25.80	0.380	33.01	-7.21
	256-QAM	2682.5	-0.40	1 / 37	23.27	22.87	0.194	33.01	-10.14
		2506.0	-0.40	1 / 99	27.36	26.96	0.497	33.01	-6.05
	QPSK	2593.0	-0.40	1 / 99	27.26	26.86	0.485	33.01	-6.15
20 MH=		2680.0	-0.40	1 / 50	27.70	27.30	0.537	33.01	-5.71
20 MHz	16-QAM	2680.0	-0.40	1 / 50	27.31	26.91	0.491	33.01	-6.10
	64-QAM	2680.0	-0.40	1 / 50	26.17	25.77	0.378	33.01	-7.24
	256-QAM	2680.0	-0.40	1 / 50	23.00	22.60	0.182	33.01	-10.41

Table 7-5. Antenna 4b EIRP Data (LTE Band 41(PC2))

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2498.5	-0.40	1 / 24	25.53	25.13	0.326	33.01	-7.88
	QPSK	2593.0	-0.40	1 / 12	25.49	25.09	0.323	33.01	-7.92
5 MHz		2687.5	-0.40	1 / 24	25.70	25.30	0.339	33.01	-7.71
3 MHZ	16-QAM	2687.5	-0.40	1 / 12	25.25	24.85	0.305	33.01	-8.16
	64-QAM	2687.5	-0.40	1 / 12	24.33	23.93	0.247	33.01	-9.08
	256-QAM	2687.5	-0.40	1 / 0	21.36	20.96	0.125	33.01	-12.05
		2501.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
	QPSK	2593.0	-0.40	1 / 25	25.54	25.14	0.327	33.01	-7.87
40 MII-		2685.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
10 MHZ	10 MHz	2685.0	-0.40	1 / 25	25.18	24.78	0.301	33.01	-8.23
	64-QAM	2593.0	-0.40	1 / 25	24.07	23.67	0.233	33.01	-9.34
	256-QAM	2685.0	-0.40	1 / 25	21.33	20.93	0.124	33.01	-12.08
		2503.5	-0.40	1 / 74	25.61	25.21	0.332	33.01	-7.80
	QPSK	2593.0	-0.40	1 / 37	25.54	25.14	0.327	33.01	-7.87
45 MH-		2682.5	-0.40	1 / 37	25.70	25.30	0.339	33.01	-7.71
15 MHz	16-QAM	2682.5	-0.40	1 / 74	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2593.0	-0.40	1 / 37	24.03	23.63	0.231	33.01	-9.38
	256-QAM	2682.5	-0.40	1 / 37	21.30	20.90	0.123	33.01	-12.11
		2506.0	-0.40	1 / 99	25.36	24.96	0.313	33.01	-8.05
	QPSK	2593.0	-0.40	1 / 99	25.31	24.91	0.310	33.01	-8.10
00 MILE		2680.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
20 MHz	16-QAM	2680.0	-0.40	1 / 50	25.26	24.86	0.306	33.01	-8.15
	64-QAM	2680.0	-0.40	1 / 99	23.98	23.58	0.228	33.01	-9.43
	256-QAM	2680.0	-0.40	1 / 50	21.24	20.84	0.121	33.01	-12.17

Table 7-6. Antenna 4b EIRP Data (LTE Band 41(PC3))

F00 ID D00 40 40 5	alam ant	DADT OF MEACUREMENT REPORT	Approved by:
FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT	Technical Manager
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## NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2307.5	-0.30	1 / 23	23.14	22.84	0.192	23.98	-1.14
	π/2 BPSK	2310.0	-0.30	1 / 23	23.30	23.00	0.200	23.98	-0.98
_		2312.5	-0.30	1 / 12	23.19	22.89	0.195	23.98	-1.08
		2307.5	-0.30	1 / 23	23.20	22.90	0.195	23.98	-1.08
5 MHz	QPSK	2310.0	-0.30	1/1	22.99	22.69	0.186	23.98	-1.28
		2312.5	-0.30	1/1	22.91	22.61	0.182	23.98	-1.37
	16-QAM	2310.0	-0.30	1 / 23	22.70	22.40	0.174	23.98	-1.58
	64-QAM	2307.5	-0.30	1 / 12	21.04	20.74	0.119	23.98	-3.23
	256-QAM	2307.5	-0.30	1 / 12	18.80	18.50	0.071	23.98	-5.47
	π/2 BPSK	2310.0	-0.30	1 / 50	23.30	23.00	0.200	23.98	-0.98
10 MHz	QPSK	2310.0	-0.30	1 / 25	23.30	23.00	0.199	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 25	22.69	22.39	0.174	23.98	-1.58
	64-QAM	2310.0	-0.30	1 / 25	20.70	20.40	0.110	23.98	-3.58
	256-QAM	2310.0	-0.30	1/1	18.75	18.45	0.070	23.98	-5.53

Table 7-7. Antenna 4b EIRP Data (NR Band n30)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2502.5	0.20	1 / 23	25.41	25.61	0.364	33.01	-7.40
	π/2 BPSK	2535.0	0.20	1 / 23	25.25	25.45	0.351	33.01	-7.56
		2567.5	0.20	1 / 23	25.09	25.29	0.338	33.01	-7.72
		2502.5	0.20	1 / 23	25.21	25.41	0.348	33.01	-7.60
5 MHz	QPSK	2535.0	0.20	1 / 12	25.70	25.90	0.389	33.01	-7.11
	40.0004	2567.5	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
	16-QAM 64-QAM	2502.5 2535.0	0.20	1 / 23	25.17	25.37	0.344	33.01	-7.64
	256-QAM	2535.0	0.20	1 / 12 1 / 12	23.24	23.44	0.221	33.01 33.01	-9.57 -11.84
	250-QAIVI	2505.0	0.20	1/12	25.70	25.90	0.389	33.01	-7.11
	π/2 BPSK	2535.0	0.20	1 / 25	25.37	25.57	0.361	33.01	-7.44
		2565.0	0.20	1 / 50	25.54	25.74	0.375	33.01	-7.27
		2505.0	0.20	1/1	25.57	25.77	0.378	33.01	-7.24
10 MHz	QPSK	2535.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2565.0	0.20	1 / 50	25.51	25.71	0.372	33.01	-7.31
	16-QAM	2505.0	0.20	1/1	24.95	25.15	0.327	33.01	-7.86
	64-QAM	2505.0	0.20	1 / 50	23.46	23.66	0.232	33.01	-9.35
	256-QAM	2505.0	0.20	1 / 50	21.38	21.58	0.144	33.01	-11.43
		2507.5	0.20	1 / 73	25.70	25.90	0.389	33.01	-7.11
	π/2 BPSK	2535.0	0.20	1/1	25.54	25.74	0.375	33.01	-7.27
		2562.5	0.20	1 / 37	25.53	25.73	0.374	33.01	-7.28
45 8411-	ODCK	2507.5	0.20	1 / 73	25.49	25.69	0.370	33.01	-7.32
15 MHz	QPSK	2535.0 2562.5	0.20	1 / 37 1 / 73	25.62 25.51	25.82 25.71	0.382 0.372	33.01 33.01	-7.19 -7.30
	16-QAM	2502.5	0.20	1/13	24.97	25.17	0.372	33.01	-7.84
	64-QAM	2562.5	0.20	1/1	23.20	23.40	0.329	33.01	-9.61
	256-QAM	2562.5	0.20	1 / 37	21.20	21.40	0.138	33.01	-11.61
	200 0,111	2510.0	0.20	1/1	25.51	25.71	0.372	33.01	-7.30
	π/2 BPSK	2535.0	0.20	1 / 98	25.27	25.47	0.353	33.01	-7.54
		2560.0	0.20	1 / 50	25.44	25.64	0.367	33.01	-7.37
		2510.0	0.20	1 / 50	25.48	25.68	0.370	33.01	-7.33
20 MHz	QPSK	2535.0	0.20	1/1	25.70	25.90	0.389	33.01	-7.11
		2560.0	0.20	1/1	25.28	25.48	0.353	33.01	-7.53
	16-QAM	2535.0	0.20	1 / 98	24.85	25.05	0.320	33.01	-7.96
	64-QAM	2510.0	0.20	1 / 50	23.19	23.39	0.218	33.01	-9.62
	256-QAM	2510.0	0.20	1/1	20.87	21.07	0.128	33.01	-11.94
		2512.5	0.20	1/1	25.62	25.82	0.382	33.01	-7.19
	π/2 BPSK	2535.0	0.20	1/1	25.67	25.87	0.386	33.01	-7.14
		2557.5	0.20	1/1	25.70 25.44	<b>25.90</b> 25.64	0.389	33.01 33.01	-7.11 -7.37
25 MHz	QPSK	2512.5 2535.0	0.20	1 / 131	25.28	25.48	0.357	33.01	-7.53
25 IVITIZ	QF5K	2557.5	0.20	1/131	25.56	25.76	0.377	33.01	-7.25
	16-QAM	2512.5	0.20	1 / 131	24.99	25.19	0.330	33.01	-7.82
	64-QAM	2557.5	0.20	1 / 131	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2512.5	0.20	1 / 66	20.87	21.07	0.128	33.01	-11.94
		2515.0	0.20	1 / 158	25.70	25.90	0.389	33.01	-7.11
	π/2 BPSK	2535.0	0.20	1 / 80	25.39	25.59	0.362	33.01	-7.42
		2555.0	0.20	1 / 80	25.26	25.46	0.351	33.01	-7.55
		2515.0	0.20	1 / 80	25.31	25.51	0.356	33.01	-7.50
30 MHz	QPSK	2535.0	0.20	1 / 80	25.68	25.88	0.388	33.01	-7.13
		2555.0	0.20	1 / 80	25.25	25.45	0.351	33.01	-7.56
	16-QAM	2535.0	0.20	1 / 80	24.91	25.11	0.324	33.01	-7.90
	64-QAM	2535.0	0.20	1 / 80	23.42	23.62	0.230	33.01	-9.39
	256-QAM	2535.0	0.20	1 / 80	21.21	21.41	0.138	33.01	-11.60
	#/A PDOM	2520.0	0.20	1/1	25.70	25.90	0.389	33.01	-7.11 7.14
	π/2 BPSK	2535.0	0.20	1 / 1 1 / 108	25.67	25.87	0.386	33.01	-7.14 -7.50
		2550.0 2520.0	0.20	1 / 108	25.32 25.44	25.52 25.64	0.356	33.01 33.01	-7.37
40 MHz	QPSK	2520.0	0.20	1/1	25.70	25.90	0.389	33.01	-7.11
TO MILIZ	Q, OK	2550.0	0.20	1/1	25.44	25.64	0.366	33.01	-7.11
	16-QAM	2520.0	0.20	1 / 108	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2535.0	0.20	1 / 108	22.96	23.16	0.207	33.01	-9.85
	256-QAM	2535.0	0.20	1 / 108	20.99	21.19	0.132	33.01	-11.82
		Jo 7 9 A		41	Data (NE		>		

Table 7-8. Antenna 4b EIRP Data (NR Band n7)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2506.0	-0.40	1 / 25	26.85	26.45	0.442	33.01	-6.56
	π/2 BPSK	2593.0	-0.40	1/1	27.45	27.05	0.507	33.01	-5.96
		2680.0	-0.40	1 / 49	27.31	26.91	0.491	33.01	-6.10
20 MH=	ODOK	2506.0 2593.0	-0.40	1 / 25	26.40	26.00	0.398	33.01	-7.01
20 MHz	QPSK	2680.0	-0.40 -0.40	1 / 25	26.93 27.40	26.53 27.00	0.450	33.01 33.01	-6.48 -6.02
	16-QAM	2510.0	-0.40	1 / 25	26.81	26.41	0.437	33.01	-6.60
	64-QAM	2593.0	-0.40	1 / 25	25.23	24.83	0.304	33.01	-8.18
	256-QAM	2680.0	-0.40	1 / 25	23.05	22.65	0.184	33.01	-10.36
		2511.0	-0.40	1 / 39	26.82	26.42	0.439	33.01	-6.59
	π/2 BPSK	2593.0	-0.40	1 / 76	27.42	27.02	0.503	33.01	-5.99
		2675.0	-0.40	1 / 39	27.11	26.71	0.468	33.01	-6.30
		2511.0	-0.40	1 / 39	26.35	25.95	0.394	33.01	-7.06
30 MHz	QPSK	2593.0	-0.40	1 / 76	26.99	26.59	0.456	33.01	-6.42
	16-QAM	2675.0 2593.0	-0.40 -0.40	1 / 39	27.48 26.79	27.08 26.39	0.510	33.01 33.01	-5.93 -6.62
	64-QAM	2515.0	-0.40	1 / 39	25.29	24.89	0.433	33.01	-8.12
	256-QAM	2593.0	-0.40	1 / 39	22.95	22.55	0.180	33.01	-10.46
	200 @ 111	2516.0	-0.40	1 / 53	27.04	26.64	0.461	33.01	-6.37
	π/2 BPSK	2593.0	-0.40	1 / 53	27.46	27.06	0.508	33.01	-5.95
		2670.0	-0.40	1 / 53	27.63	27.23	0.529	33.01	-5.78
		2516.0	-0.40	1 / 53	26.53	26.13	0.410	33.01	-6.88
40 MHz	QPSK	2593.0	-0.40	1 / 53	27.54	27.14	0.518	33.01	-5.87
		2670.0	-0.40	1 / 53	27.17	26.77	0.475	33.01	-6.25
	16-QAM	2593.0	-0.40	1 / 53	26.80	26.40	0.437	33.01	-6.61
	64-QAM	2670.0	-0.40	1 / 53	25.49	25.09 23.02	0.323	33.01	-7.92
	256-QAM	2670.0 2521.0	-0.40 -0.40	1 / 53	23.42 26.94	26.54	0.200	33.01 33.01	-9.99 -6.47
	π/2 BPSK	2521.0	-0.40	1 / 66	27.70	27.30	0.431	33.01	-5.71
	IIIZ BI OK	2665.0	-0.40	1 / 66	26.98	26.58	0.455	33.01	-6.43
		2521.0	-0.40	1 / 66	25.61	25.21	0.332	33.01	-7.80
50 MHz	QPSK	2593.0	-0.40	1 / 66	26.26	25.86	0.386	33.01	-7.15
		2665.0	-0.40	1 / 66	26.01	25.61	0.364	33.01	-7.40
	16-QAM	2665.0	-0.40	1 / 66	25.73	25.33	0.341	33.01	-7.68
	64-QAM	2521.0	-0.40	1 / 66	24.51	24.11	0.257	33.01	-8.90
	256-QAM	2593.0	-0.40	1 / 66	22.80	22.40	0.174	33.01	-10.61
		2526.0	-0.40	1 / 81	27.04	26.64	0.461	33.01	-6.37
	π/2 BPSK	2593.0	-0.40	1 / 81	27.70	27.30	0.537	33.01	-5.71
		2660.0 2526.0	-0.40 -0.40	1 / 1	27.55 25.81	27.15 25.41	0.519	33.01 33.01	-5.86 -7.60
60 MHz	QPSK	2593.0	-0.40	1 / 81	27.33	26.93	0.494	33.01	-6.08
00 111112	QI OK	2660.0	-0.40	1/1	26.79	26.39	0.436	33.01	-6.62
	16-QAM	2593.0	-0.40	1 / 81	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2526.0	-0.40	1 / 81	24.69	24.29	0.269	33.01	-8.72
j	256-QAM	2526.0	-0.40	1 / 81	23.05	22.65	0.184	33.01	-10.36
		2531.0	-0.40	1 / 90	27.00	26.60	0.457	33.01	-6.41
	π/2 BPSK	2593.0	-0.40	1 / 90	27.46	27.06	0.508	33.01	-5.95
		2655.0	-0.40	1/1	27.75	27.35	0.543	33.01	-5.66
70 MHz	QPSK	2531.0 2593.0	-0.40 -0.40	1 / 90	25.78 26.85	25.38 26.45	0.346	33.01 33.01	-7.63 -6.56
/U IVITIZ	QPSK	2655.0	-0.40	1/90	26.98	26.43	0.442	33.01	-6.43
	16-QAM	2655.0	-0.40	1/1	25.93	25.53	0.455	33.01	-7.48
	64-QAM	2593.0	-0.40	1/90	24.63	24.23	0.265	33.01	-8.78
	256-QAM	2593.0	-0.40	1 / 90	22.92	22.52	0.179	33.01	-10.49
		2536.0	-0.40	1 / 108	26.81	26.41	0.438	33.01	-6.60
	π/2 BPSK	2593.0	-0.40	1 / 108	27.23	26.83	0.482	33.01	-6.18
		2650.0	-0.40	1 / 108	27.51	27.11	0.513	33.01	-5.90
00 1844		2536.0	-0.40	1 / 108	25.56	25.16	0.328	33.01	-7.85
80 MHz	QPSK	2593.0	-0.40	1 / 108	26.28	25.88	0.387	33.01	-7.13
	16-QAM	2650.0 2593.0	-0.40 -0.40	1 / 108	27.01 26.08	26.61 25.68	0.458	33.01 33.01	-6.40 -7.33
	64-QAM	2593.0	-0.40	1 / 108	26.08	25.68	0.370	33.01	-8.70
	256-QAM	2536.0	-0.40	1 / 108	22.81	22.41	0.174	33.01	-10.60
		2541.0	-0.40	1 / 122	26.81	26.41	0.437	33.01	-6.60
	π/2 BPSK	2593.0	-0.40	1 / 122	27.70	27.30	0.537	33.01	-5.71
		2645.0	-0.40	1 / 243	27.34	26.94	0.494	33.01	-6.07
		2541.0	-0.40	1 / 122	25.43	25.03	0.319	33.01	-7.98
90 MHz	QPSK	2593.0	-0.40	1 / 122	26.45	26.05	0.403	33.01	-6.96
		2645.0	-0.40	1 / 243	26.76	26.36	0.432	33.01	-6.65
	16-QAM	2645.0	-0.40	1/1	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2541.0	-0.40	1 / 122	24.47	24.07	0.255	33.01	-8.94
	256-QAM	2645.0	-0.40	1 / 122	22.84	22.44	0.175	33.01	-10.57
	TT/2 BPSK	2546.0 2593.0	-0.40 -0.40	1 / 136 1 / 136	26.71 27.70	26.31 27.30	0.428	33.01 33.01	-6.70 -5.71
	IIIZ BPSK	2640.0	-0.40	1 / 136	27.10	26.78	0.537	33.01	-6.23
		2546.0	-0.40	1 / 271	25.47	25.07	0.476	33.01	-7.94
100 MHz	QPSK	2593.0	-0.40	1 / 136	26.27	25.87	0.386	33.01	-7.14
		2640.0	-0.40	1 / 136	26.77	26.37	0.434	33.01	-6.64
	16-QAM	2640.0	-0.40	1/1	26.26	25.86	0.385	33.01	-7.15
	64-QAM	2640.0	-0.40	1/1	24.50	24.10	0.257	33.01	-8.91
	256-QAM	2640.0	-0.40	1/1	22.65	22.25	0.168	33.01	-10.76

Table 7-9. Antenna 4b EIRP Data (NR Band n41 PC2)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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# NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2510.0	-0.40	1 / 25	25.56	25.16	0.328	33.01	-7.85
	π/2 BPSK	2593.0	-0.40	1 / 25	25.59	25.19	0.331	33.01	-7.82
		2680.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
20 MHz	ODCK	2510.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
ZU IVITIZ	QPSK	2593.0 2680.0	-0.40 -0.40	1 / 1	25.55 25.66	25.15 25.26	0.327 0.335	33.01 33.01	-7.86 -7.75
	16-QAM	2593.0	-0.40	1 / 25	25.00	24.60	0.288	33.01	-8.41
	64-QAM	2593.0	-0.40	1 / 49	23.21	22.81	0.191	33.01	-10.20
	256-QAM	2593.0	-0.40	1 / 25	20.99	20.59	0.115	33.01	-12.42
		2515.0	-0.40	1 / 39	25.22	24.82	0.304	33.01	-8.19
	π/2 BPSK	2593.0	-0.40	1 / 39	25.62	25.22	0.332	33.01	-7.80
		2675.0	-0.40	1 / 76	25.70	25.30	0.339	33.01	-7.71
20 MILE	opou.	2515.0	-0.40	1 / 39	25.04	24.64	0.291	33.01	-8.37
30 MHz	QPSK	2593.0 2675.0	-0.40 -0.40	1 / 39	25.34 25.51	24.94 25.11	0.312	33.01 33.01	-8.07 -7.90
	16-QAM	2675.0	-0.40	1 / 39	24.80	24.40	0.324	33.01	-8.61
	64-QAM	2675.0	-0.40	1 / 76	23.00	22.60	0.182	33.01	-10.41
	256-QAM	2675.0	-0.40	1 / 39	20.81	20.41	0.110	33.01	-12.60
		2520.0	-0.40	1 / 53	25.51	25.11	0.324	33.01	-7.90
	π/2 BPSK	2593.0	-0.40	1/1	25.46	25.06	0.321	33.01	-7.95
		2670.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2520.0	-0.40	1 / 53	25.46	25.06	0.321	33.01	-7.95
40 MHz	QPSK	2593.0	-0.40	1/1	25.55	25.15	0.327	33.01	-7.86
	16-QAM	2670.0	-0.40	1 / 53	25.64	25.24	0.334	33.01	-7.77
	16-QAM 64-QAM	2670.0 2670.0	-0.40 -0.40	1 / 1	25.03 23.35	24.63	0.291	33.01 33.01	-8.38 -10.06
	256-QAM	2670.0	-0.40	1 / 53	23.35	20.69	0.197	33.01	-10.06
	250-QAIVI	2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
	π/2 BPSK	2593.0	-0.40	1/1	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1/1	25.65	25.25	0.335	33.01	-7.76
		2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
50 MHz	QPSK	2593.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2665.0	-0.40	1/1	25.33	24.93	0.311	33.01	-8.08
	16-QAM	2525.0	-0.40	1 / 131	24.84	24.44	0.278	33.01	-8.58
	64-QAM	2665.0	-0.40	1 / 131	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2665.0	-0.40	1/1	21.01	20.61	0.115	33.01	-12.40
	π/2 BPSK	2530.0 2593.0	-0.40 -0.40	1 / 160 1 / 81	25.20 25.31	<b>24.80</b> 24.91	0.302 0.310	33.01 33.01	-8.21 -8.10
	II/Z DF3K	2660.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2530.0	-0.40	1 / 81	25.40	25.00	0.316	33.01	-8.01
60 MHz	QPSK	2593.0	-0.40	1/1	25.16	24.76	0.299	33.01	-8.25
		2660.0	-0.40	1 / 160	25.29	24.89	0.308	33.01	-8.12
	16-QAM	2660.0	-0.40	1/1	24.83	24.43	0.277	33.01	-8.58
	64-QAM	2530.0	-0.40	1 / 81	22.96	22.56	0.180	33.01	-10.45
	256-QAM	2660.0	-0.40	1/1	20.57	20.17	0.104	33.01	-12.84
	10 PP014	2535.0	-0.40	1 / 187	25.31	24.91	0.310	33.01	-8.10
	π/2 BPSK	2593.0 2655.0	-0.40 -0.40	1/1	25.68 25.70	25.28 25.30	0.337	33.01 33.01	-7.73 -7.71
		2535.0	-0.40	1 / 187	24.90	24.50	0.339	33.01	-8.51
70 MHz	QPSK	2593.0	-0.40	1/1	25.64	25.24	0.334	33.01	-7.77
	Z. 2.1	2655.0	-0.40	1/1	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2655.0	-0.40	1/1	24.52	24.12	0.258	33.01	-8.89
	64-QAM	2655.0	-0.40	1/1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2655.0	-0.40	1/1	20.93	20.53	0.113	33.01	-12.48
		2540.0	-0.40	1 / 215	25.03	24.63	0.290	33.01	-8.38
	π/2 BPSK	2593.0	-0.40	1/1	25.43	25.03	0.319	33.01	-7.98
		2650.0 2540.0	-0.40	1 / 1	25.20	24.80	0.302	33.01	-8.22
80 MHz	QPSK	2540.0 2593.0	-0.40 -0.40	1 / 215	24.91 25.23	<b>24.51</b> 24.83	0.283	33.01 33.01	-8.50 -8.18
OU WINZ	QF3N	2650.0	-0.40	1/1	25.23	24.83 25.30	0.304	33.01	-8.18
	16-QAM	2650.0	-0.40	1 / 215	24.70	24.30	0.339	33.01	-8.71
	64-QAM	2593.0	-0.40	1 / 215	22.98	22.58	0.181	33.01	-10.43
	256-QAM	2650.0	-0.40	1 / 108	20.72	20.32	0.108	33.01	-12.69
		2545.0	-0.40	1 / 243	25.32	24.92	0.310	33.01	-8.09
	π/2 BPSK	2593.0	-0.40	1/1	25.39	24.99	0.315	33.01	-8.02
		2645.0	-0.40	1 / 122	25.70	25.30	0.339	33.01	-7.71
00.884		2545.0	-0.40	1 / 243	25.39	24.99	0.315	33.01	-8.02
90 MHz	QPSK	2593.0	-0.40	1/1	25.60	25.20	0.331	33.01	-7.81
	16-QAM	2645.0 2645.0	-0.40 -0.40	1 / 122	25.44	25.04 24.61	0.319	33.01	-7.97 -8.40
	16-QAM 64-QAM	2645.0 2645.0	-0.40	1 / 122	25.01 23.28	24.61	0.289	33.01 33.01	-8.40
	256-QAM	2645.0	-0.40	1/1	21.28	20.88	0.194	33.01	-10.13
	200 (2/11)	2550.0	-0.40	1 / 271	25.36	24.96	0.122	33.01	-8.05
	π/2 BPSK	2593.0	-0.40	1/1	25.45	25.05	0.320	33.01	-7.96
		2640.0	-0.40	1 / 136	25.70	25.30	0.339	33.01	-7.71
		2550.0	-0.40	1 / 271	25.33	24.93	0.311	33.01	-8.08
100 MHz	QPSK	2593.0	-0.40	1/1	25.52	25.12	0.325	33.01	-7.89
		2640.0	-0.40	1/1	25.42	25.02	0.318	33.01	-7.99
	16-QAM	2640.0	-0.40	1/1	25.23	24.83	0.304	33.01	-8.18
	64-QAM 256-QAM	2640.0 2640.0	-0.40 -0.40	1/1	23.42	23.02	0.200	33.01	-9.99
				1/1	21.48	21.08	0.128	33.01	-11.93

## Table 7-10. Antenna 4b EIRP Data (NR Band n41 PC3)

FCC ID: BCGA2435	element element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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### **ULCA - Band 7**

Power	ower Bandwidth				PCC					scc			ULCA Tx. Ant. Gain	EIRD (dRm)		, EIRP Limit		
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]	[dBm]	Margin [dB]
				20850	2510.0	1	99		21048	2529.8	1	0	25.66	0.20	25.86	0.385	33.01	-7.15
			QPSK	21100	2535.0	1	99	QPSK	21298	2554.8	1	0	25.51	0.20	25.71	0.372	33.01	-7.30
				21350	2560.0	1	0	1	21152	2540.2	1	99	25.67	0.20	25.87	0.386	33.01	-7.14
Max	LTE B7	20MHz + 20MHz	QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	23.88	0.20	24.08	0.256	33.01	-8.93
			16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	22.85	0.20	23.05	0.202	33.01	-9.96
			64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	22.73	0.20	22.93	0.196	33.01	-10.08
			256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	20.73	0.20	20.93	0.124	33.01	-12.08

Table 7-11. Antenna 4b EIRP Data (ULCA LTE Band 7)

# **ULCA - Band 41 (PC2)**

Power		Bandwidth			PCC					scc			ULCA Tx.	Ant. Gain			, EIRP Limit	Margin [dB]
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]	[dBm]	
				39750	2506.0	1	99		39948	2525.8	1	0	27.48	-0.40	27.08	0.511	33.01	-5.93
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	27.59	-0.40	27.19	0.524	33.01	-5.82
				41490	2680.0	1	0		41292	2660.2	1	99	27.45	-0.40	27.05	0.507	33.01	-5.96
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	25.82	-0.40	25.42	0.348	33.01	-7.59
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	24.73	-0.40	24.33	0.271	33.01	-8.68
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	24.78	-0.40	24.38	0.274	33.01	-8.63
			256-OAM	40620	2602	100	0	256 OAM	40010	2612.0	100	0	22.72	0.40	22 33	0.171	33.01	-10.68

Table 7-12. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC2))

# ULCA - Band 41 (PC3)

Power		Bandwidth			PCC					scc			ULCA Tx.				EIRP Limit	
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]	[dBm]	Margin [dB]
				39750	2506.0	1	99		39948	2525.8	1	0	25.55	-0.40	25.15	0.327	33.01	-7.86
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	25.56	-0.40	25.16	0.328	33.01	-7.85
				41490	2680.0	1	0	1	41292	2660.2	1	99	25.42	-0.40	25.02	0.318	33.01	-7.99
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.83	-0.40	23.43	0.220	33.01	-9.58
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.76	-0.40	22.36	0.172	33.01	-10.65
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.86	-0.40	22.46	0.176	33.01	-10.55
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.79	-0.40	20.39	0.109	33.01	-12.62

Table 7-13. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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## 7.6.2 Antenna 1 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2307.5	-2.10	1 / 12	22.07	19.97	0.099	23.98	-4.01
	QPSK	2310.0	-2.10	1 / 12	22.20	20.10	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.12	20.02	0.100	23.98	-3.96
5 MHz	16-QAM	2307.5	-2.10	1/0	21.26	19.16	0.082	23.98	-4.82
	16-QAW	2312.5	-2.10	1 / 12	21.26	19.16	0.082	23.98	-4.82
	64-QAM	2312.5	-2.10	1 / 12	20.38	18.28	0.067	23.98	-5.70
	256-QAM	2307.5	-2.10	1/0	17.35	15.25	0.033	23.98	-8.73
	QPSK	2310.0	-2.10	1 / 0	22.20	20.10	0.102	23.98	-3.88
10 MHz	16-QAM	2310.0	-2.10	1 / 49	21.21	19.11	0.081	23.98	-4.87
TO MHZ	64-QAM	2310.0	-2.10	1/0	20.34	18.24	0.067	23.98	-5.74
	256-QAM	2310.0	-2.10	1 / 25	17.40	15.30	0.034	23.98	-8.68

Table 7-14. Antenna 1 EIRP Data (LTE Band 30)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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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]
		2502.5	-0.30	1 / 12	22.20	21.90	0.155	33.01	-11.11
	QPSK	2535.0	-0.30	1 / 12	22.03	21.73	0.149	33.01	-11.28
5 MHz		2567.5	-0.30	1 / 12	21.82	21.52	0.142	33.01	-11.49
3 IVITZ	16-QAM	2502.5	-0.30	1 / 24	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2567.5	-0.30	1 / 12	20.38	20.08	0.102	33.01	-12.93
	256-QAM	2502.5	-0.30	1 / 24	17.16	16.86	0.049	33.01	-16.15
		2505.0	-0.30	1 / 49	22.16	21.86	0.153	33.01	-11.15
	QPSK	2535.0	-0.30	1 / 49	22.20	21.90	0.155	33.01	-11.11
40 8411-		2565.0	-0.30	1 / 49	22.14	21.84	0.153	33.01	-11.17
10 MHz	16-QAM	2535.0	-0.30	1 / 49	21.26	20.96	0.125	33.01	-12.05
	64-QAM	2565.0	-0.30	1 / 25	20.28	19.98	0.100	33.01	-13.03
	256-QAM	2535.0	-0.30	1 / 25	17.45	17.15	0.052	33.01	-15.86
		2507.5	-0.30	1 / 37	22.20	21.90	0.155	33.01	-11.11
	QPSK	2535.0	-0.30	1 / 37	22.11	21.81	0.152	33.01	-11.20
45 MII-		2562.5	-0.30	1 / 37	21.98	21.68	0.147	33.01	-11.33
15 MHz	16-QAM	2507.5	-0.30	1 / 37	21.38	21.08	0.128	33.01	-11.93
	64-QAM	2507.5	-0.30	1 / 37	20.56	20.26	0.106	33.01	-12.75
	256-QAM	2535.0	-0.30	1 / 37	17.46	17.16	0.052	33.01	-15.85
		2510.0	-0.30	1 / 50	21.94	21.64	0.146	33.01	-11.37
	QPSK	2535.0	-0.30	1 / 50	22.20	21.90	0.155	33.01	-11.11
20 MH=		2560.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
20 MHz	16-QAM	2535.0	-0.30	1 / 50	21.58	21.28	0.134	33.01	-11.73
	64-QAM	2535.0	-0.30	1 / 50	20.50	20.20	0.105	33.01	-12.81
	256-QAM	2510.0	-0.30	1 / 50	17.39	17.09	0.051	33.01	-15.92

Table 7-15. Antenna 1 EIRP Data (LTE Band 7)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MIL	QPSK	2498.5	-0.40	1 / 12	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 12	28.50	28.10	0.646	33.01	-4.91
		2687.5	-0.40	1 / 24	28.41	28.01	0.632	33.01	-5.00
5 MHz	16-QAM	2593.0	-0.40	1 / 12	28.60	28.20	0.661	33.01	-4.81
	64-QAM	2593.0	-0.40	1 / 12	27.82	27.42	0.552	33.01	-5.59
	256-QAM	2593.0	-0.40	1 / 12	24.59	24.19	0.262	33.01	-8.82
		2501.0	-0.40	1 / 25	28.70	28.30	0.676	33.01	-4.71
10 MHz	QPSK	2593.0	-0.40	1 / 25	28.48	28.08	0.643	33.01	-4.93
		2685.0	-0.40	1 / 25	28.30	27.90	0.617	33.01	-5.11
	16-QAM	2593.0	-0.40	1 / 25	28.44	28.04	0.637	33.01	-4.97
	64-QAM	2593.0	-0.40	1 / 25	27.81	27.41	0.551	33.01	-5.60
	256-QAM	2593.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
	QPSK	2503.5	-0.40	1 / 37	28.70	28.30	0.676	33.01	-4.71
45 8811-		2593.0	-0.40	1 / 37	28.48	28.08	0.643	33.01	-4.93
		2682.5	-0.40	1 / 37	28.12	27.72	0.592	33.01	-5.29
15 MHz	16-QAM	2593.0	-0.40	1 / 0	28.42	28.02	0.634	33.01	-4.99
	64-QAM	2593.0	-0.40	1 / 37	27.97	27.57	0.571	33.01	-5.44
	256-QAM	2593.0	-0.40	1 / 37	24.75	24.35	0.272	33.01	-8.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 50	28.50	28.10	0.646	33.01	-4.91
		2680.0	-0.40	1 / 99	28.43	28.03	0.635	33.01	-4.98
	16-QAM	2593.0	-0.40	1 / 50	28.82	28.42	0.695	33.01	-4.59
	64-QAM	2593.0	-0.40	1 / 50	27.62	27.22	0.527	33.01	-5.79
	256-QAM	2593.0	-0.40	1 / 50	24.68	24.28	0.268	33.01	-8.73

Table 7-16. Antenna 1 EIRP Data (LTE Band 41(PC2))

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
E MILL	QPSK	2498.5	-0.40	1 / 12	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 24	25.52	25.12	0.325	33.01	-7.89
		2687.5	-0.40	1 / 24	25.35	24.95	0.313	33.01	-8.06
5 MHz	16-QAM	2498.5	-0.40	1 / 12	24.72	24.32	0.270	33.01	-8.69
	64-QAM	2498.5	-0.40	1 / 12	23.64	23.24	0.211	33.01	-9.77
	256-QAM	2593.0	-0.40	1 / 12	20.79	20.39	0.109	33.01	-12.62
		2501.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
	QPSK	2593.0	-0.40	1 / 0	25.53	25.13	0.326	33.01	-7.88
40 MII-		2685.0	-0.40	1 / 25	25.27	24.87	0.307	33.01	-8.14
10 MHz	16-QAM	2501.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
	64-QAM	2593.0	-0.40	1/0	23.65	23.25	0.211	33.01	-9.76
	256-QAM	2501.0	-0.40	1 / 25	20.73	20.33	0.108	33.01	-12.68
	QPSK	2503.5	-0.40	1 / 37	25.70	25.30	0.339	33.01	-7.71
45 8811-		2593.0	-0.40	1 / 37	25.50	25.10	0.324	33.01	-7.91
		2682.5	-0.40	1 / 37	25.23	24.83	0.304	33.01	-8.18
15 MHz	16-QAM	2503.5	-0.40	1 / 37	24.54	24.14	0.259	33.01	-8.87
	64-QAM	2503.5	-0.40	1 / 37	23.88	23.48	0.223	33.01	-9.53
	256-QAM	2503.5	-0.40	1 / 37	20.75	20.35	0.108	33.01	-12.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 99	25.54	25.14	0.327	33.01	-7.87
		2680.0	-0.40	1 / 0	25.40	25.00	0.316	33.01	-8.01
	16-QAM	2506.0	-0.40	1 / 99	24.79	24.39	0.275	33.01	-8.62
	64-QAM	2506.0	-0.40	1 / 50	23.74	23.34	0.216	33.01	-9.67
	256-QAM	2506.0	-0.40	1 / 50	20.67	20.27	0.106	33.01	-12.74

Table 7-17. Antenna 1 EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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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]
		2307.5	-2.10	1 / 1	21.95	19.85	0.097	23.98	-4.13
	π/2 BPSK	2310.0	-2.10	1/1	21.98	19.88	0.097	23.98	-4.10
		2312.5	-2.10	1 / 23	22.18	20.08	0.102	23.98	-3.90
		2307.5	-2.10	1 / 12	22.11	20.01	0.100	23.98	-3.97
5 MHz	QPSK	2310.0	-2.10	1/1	22.20	20.10	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.16	20.06	0.101	23.98	-3.92
	16-QAM	2312.5	-2.10	1 / 12	21.70	19.60	0.091	23.98	-4.38
	64-QAM	2307.5	-2.10	1 / 12	19.91	17.81	0.060	23.98	-6.17
	256-QAM	2307.5	-2.10	1/1	17.76	15.66	0.037	23.98	-8.32
	π/2 BPSK	2310.0	-2.10	1 / 50	22.20	20.10	0.102	23.98	-3.88
	QPSK	2310.0	-2.10	1 / 25	21.89	19.79	0.095	23.98	-4.19
10 MHz	16-QAM	2310.0	-2.10	1 / 25	21.27	19.17	0.083	23.98	-4.81
	64-QAM	2310.0	-2.10	1 / 50	19.38	17.28	0.053	23.98	-6.70
	256-QAM	2310.0	-2.10	1 / 25	17.69	15.59	0.036	23.98	-8.39

Table 7-18. Antenna 1 EIRP Data (NR Band n30)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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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]
		2502.5	-0.30	1 / 23	22.20	21.90	0.155	33.01	-11.11
	π/2 BPSK	2535.0	-0.30	1/1	21.70	21.40	0.138	33.01	-11.61
		2567.5	-0.30	1/1	21.51	21.21	0.132	33.01	-11.80
		2502.5	-0.30	1 / 23	21.68	21.38	0.138	33.01	-11.63
5 MHz	QPSK	2535.0	-0.30	1 / 12	21.74	21.44	0.139	33.01	-11.57
	40.0014	2567.5	-0.30	1 / 23	21.83	21.53	0.142	33.01	-11.48
	16-QAM	2502.5 2535.0	-0.30 -0.30	1/1	20.88 19.56	20.58 19.26	0.114	33.01	-12.43
	64-QAM 256-QAM	2502.5	-0.30	1/1	17.35	17.05	0.084	33.01 33.01	-13.75 -15.96
	250-QAIVI	2502.5	-0.30	1 / 50	21.83	21.53	0.031	33.01	-11.48
	π/2 BPSK	2535.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
		2565.0	-0.30	1 / 25	21.86	21.56	0.143	33.01	-11.45
		2505.0	-0.30	1/1	21.99	21.69	0.148	33.01	-11.32
10 MHz	QPSK	2535.0	-0.30	1 / 50	22.20	21.90	0.155	33.01	-11.11
		2565.0	-0.30	1 / 25	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2535.0	-0.30	1/1	21.44	21.14	0.130	33.01	-11.87
	64-QAM	2535.0	-0.30	1/1	19.88	19.58	0.091	33.01	-13.44
	256-QAM	2535.0	-0.30	1 / 50	17.54	17.24	0.053	33.01	-15.77
		2507.5	-0.30	1/1	21.92	21.62	0.145	33.01	-11.39
	π/2 BPSK	2535.0	-0.30	1 / 37	21.84	21.54	0.143	33.01	-11.47
		2562.5	-0.30	1 / 73	21.66	21.36	0.137	33.01	-11.65
		2507.5	-0.30	1/1	21.86	21.56	0.143	33.01	-11.45
15 MHz	QPSK	2535.0	-0.30	1 / 73	22.20	21.90	0.155	33.01	-11.11
		2562.5	-0.30	1 / 37	21.94	21.64	0.146	33.01	-11.38
	16-QAM	2535.0	-0.30	1 / 37	21.48	21.18	0.131	33.01	-11.83
	64-QAM	2535.0	-0.30	1/1	19.92	19.62	0.092	33.01	-13.39
	256-QAM	2507.5	-0.30	1 / 37	17.64 22.20	17.34	0.054	33.01	-15.67
	π/2 BPSK	2510.0 2535.0	-0.30 -0.30	1 / 96	21.92	<b>21.90</b> 21.62	0.155 0.145	33.01 33.01	-11.11 -11.39
	II/2 BPSK	2560.0	-0.30	1 / 50	21.92	21.65	0.145	33.01	-11.39
		2510.0	-0.30	1 / 98	21.95	21.65	0.146	33.01	-11.36
20 MHz	QPSK	2535.0	-0.30	1 / 50	22.11	21.81	0.152	33.01	-11.20
		2560.0	-0.30	1 / 50	22.05	21.75	0.149	33.01	-11.27
	16-QAM	2510.0	-0.30	1 / 98	21.66	21.36	0.137	33.01	-11.65
	64-QAM	2560.0	-0.30	1/1	19.83	19.53	0.090	33.01	-13.48
	256-QAM	2535.0	-0.30	1 / 98	17.79	17.49	0.056	33.01	-15.52
		2512.5	-0.30	1 / 66	21.99	21.69	0.148	33.01	-11.32
	π/2 BPSK	2535.0	-0.30	1/1	22.08	21.78	0.151	33.01	-11.23
		2557.5	-0.30	1 / 66	21.94	21.64	0.146	33.01	-11.37
		2512.5	-0.30	1 / 66	21.80	21.50	0.141	33.01	-11.51
25 MHz	QPSK	2535.0	-0.30	1 / 66	22.20	21.90	0.155	33.01	-11.11
		2557.5	-0.30	1 / 66	21.76	21.46	0.140	33.01	-11.55
	16-QAM	2512.5	-0.30	1 / 131	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2557.5	-0.30	1/1	19.66	19.36	0.086	33.01	-13.65
	256-QAM	2557.5 2515.0	-0.30 -0.30	1 / 66	17.40 22.18	17.10 21.88	0.051	33.01	-15.91
	π/2 BPSK	2535.0	-0.30	1 / 10	21.87	21.57	0.154 0.144	33.01 33.01	-11.13 -11.44
	11/2 DPSK	2555.0	-0.30	1 / 80	22.20	21.90	0.144	33.01	-11.44
		2515.0	-0.30	1/1	21.93	21.63	0.133	33.01	-11.38
30 MHz	QPSK	2535.0	-0.30	1/1	21.75	21.45	0.140	33.01	-11.56
	]	2555.0	-0.30	1/1	22.15	21.85	0.153	33.01	-11.16
	16-QAM	2555.0	-0.30	1/1	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2515.0	-0.30	1 / 158	19.52	19.22	0.084	33.01	-13.79
	256-QAM	2515.0	-0.30	1/1	17.44	17.14	0.052	33.01	-15.87
		2520.0	-0.30	1 / 214	21.81	21.51	0.142	33.01	-11.50
	π/2 BPSK	2535.0	-0.30	1/1	21.73	21.43	0.139	33.01	-11.58
		2550.0	-0.30	1/1	21.81	21.51	0.142	33.01	-11.50
		2520.0	-0.30	1 / 108	21.82	21.52	0.142	33.01	-11.49
40 MHz	QPSK	2535.0	-0.30	1 / 108	21.65	21.35	0.136	33.01	-11.66
		2550.0	-0.30	1 / 214	21.77	21.47	0.140	33.01	-11.54
	16-QAM	2535.0	-0.30	1/1	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2535.0	-0.30	1 / 214	19.58	19.28	0.085	33.01	-13.73
	256-QAM	2550.0	-0.30	1/1	17.56	17.26	0.053	33.01	-15.75

#### Table 7-19. Antenna 1 EIRP Data (NR Band n7)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2506.0	-0.40	1 / 25	28.16	27.76	0.597	33.01	-5.25
	π/2 BPSK	2593.0	-0.40	1 / 49	28.27	27.87	0.613	33.01	-5.14
		2680.0	-0.40	1 / 25	28.33	27.93	0.620	33.01	-5.08
00.55		2506.0	-0.40	1 / 25	28.01	27.61	0.577	33.01	-5.40
20 MHz	QPSK	2593.0	-0.40	1 / 25	28.66	28.26	0.670	33.01	-4.75
	40.044	2680.0	-0.40	1/1	28.51	28.11	0.647	33.01	-4.90
	16-QAM	2593.0	-0.40	1 / 25	28.18	27.78	0.600	33.01	-5.23
	64-QAM	2593.0	-0.40	1 / 25	27.01	26.61	0.458	33.01	-6.40
	256-QAM	2593.0	-0.40	1 / 25	24.65	24.25	0.266	33.01	-8.76
	π/2 BPSK	2511.0 2593.0	-0.40 -0.40	1 / 39	28.19 28.65	27.79	0.601	33.01 33.01	-5.23 -4.76
	II/2 DPSK		-0.40	1/39				33.01	-4.71
-		2675.0 2511.0	-0.40	1 / 39	28.70 27.83	28.30 27.43	0.676	33.01	-4.71
30 MHz	QPSK	2511.0	-0.40	1 / 39	28.54	28.14	0.652	33.01	-5.58 -4.87
30 MITZ	QPSK	2675.0	-0.40	1/39	28.49	28.09	0.643	33.01	-4.93
	16-QAM	2593.0	-0.40	1 / 39	27.68	27.28	0.535	33.01	-5.73
-	64-QAM		-0.40	1 / 39	26.69	26.29	0.535		
	256-QAM	2511.0 2675.0	-0.40	1 / 39	24.41	24.01	0.420	33.01 33.01	-6.72 -9.00
	200-QAW	2516.0	-0.40	1 / 53	28.33	27.93	0.621	33.01	-5.08
	π/2 BPSK	2593.0	-0.40	1/33	28.54	28.14	0.652	33.01	-4.87
	II/2 DF3K		-0.40	_			0.654		-4.86
		2670.0 2516.0	-0.40	1 / 1	28.55 28.02	28.15 27.62	0.579	33.01 33.01	-5.39
40 MHz	QPSK	2593.0	-0.40	1/53	28.48	28.08	0.579	33.01	-5.39 -4.93
40 MI12	QI OK	2670.0	-0.40	1/1	28.70	28.30	0.676	33.01	-4.93
	16-QAM	2593.0	-0.40	1 / 53	28.09	27.69	0.588	33.01	-5.32
	64-QAM	2520.0	-0.40	1 / 53	26.98	26.58	0.455	33.01	-6.43
	256-QAM	2670.0	-0.40	1 / 53	24.85	24.45	0.455	33.01	-8.57
	250 QAW	2521.0	-0.40	1 / 66	28.45	28.05	0.638	33.01	-4.96
	π/2 BPSK	2593.0	-0.40	1/10	28.69	28.29	0.675	33.01	-4.72
	SI OK	2665.0	-0.40	1/1	28.59	28.19	0.659	33.01	-4.72
		2521.0	-0.40	1 / 66	28.18	27.78	0.600	33.01	-5.23
50 MHz	QPSK	2593.0	-0.40	1 / 66	28.58	28.18	0.658	33.01	-4.83
30 11112	QI OIL	2665.0	-0.40	1 / 66	28.70	28.30	0.676	33.01	-4.71
	16-QAM	2525.0	-0.40	1 / 66	28.39	27.99	0.630	33.01	-5.02
	64-QAM	2525.0	-0.40	1 / 66	26.92	26.52	0.448	33.01	-6.49
	256-QAM	2593.0	-0.40	1 / 66	25.12	24.72	0.296	33.01	-8.29
	200 20 111	2526.0	-0.40	1 / 81	28.33	27.93	0.621	33.01	-5.08
	π/2 BPSK	2593.0	-0.40	1 / 81	28.70	28.30	0.676	33.01	-4.71
		2660.0	-0.40	1/1	28.54	28.14	0.652	33.01	-4.87
		2526.0	-0.40	1 / 81	27.97	27.57	0.572	33.01	-5.44
60 MHz	QPSK	2593.0	-0.40	1/1	28.34	27.94	0.623	33.01	-5.07
		2660.0	-0.40	1/1	28.42	28.02	0.633	33.01	-4.99
	16-QAM	2660.0	-0.40	1/1	28.38	27.98	0.629	33.01	-5.03
	64-QAM	2660.0	-0.40	1 / 81	26.70	26.30	0.427	33.01	-6.71
	256-QAM	2530.0	-0.40	1 / 81	24.57	24.17	0.261	33.01	-8.84
ľ		2531.0	-0.40	1/90	28.38	27.98	0.628	33.01	-5.03
	π/2 BPSK	2593.0	-0.40	1/1	28.67	28.27	0.672	33.01	-4.74
		2655.0	-0.40	1/1	28.68	28.28	0.673	33.01	-4.73
		2535.0	-0.40	1 / 187	28.31	27.91	0.618	33.01	-5.10
70 MHz	QPSK	2593.0	-0.40	1/1	28.47	28.07	0.642	33.01	-4.94
		2655.0	-0.40	1/1	28.70	28.30	0.676	33.01	-4.71
	16-QAM	2655.0	-0.40	1/1	28.36	27.96	0.626	33.01	-5.05
	64-QAM	2655.0	-0.40	1/1	26.91	26.51	0.448	33.01	-6.50
	256-QAM	2655.0	-0.40	1 / 90	24.76	24.36	0.273	33.01	-8.65
		2536.0	-0.40	1 / 108	28.03	27.63	0.580	33.01	-5.38
	π/2 BPSK	2593.0	-0.40	1 / 108	28.03	27.63	0.579	33.01	-5.38
		2650.0	-0.40	1/1	28.20	27.80	0.603	33.01	-5.21
		2536.0	-0.40	1 / 108	27.70	27.30	0.537	33.01	-5.71
80 MHz	QPSK	2593.0	-0.40	1/1	28.70	28.30	0.676	33.01	-4.71
		2650.0	-0.40	1/1	28.29	27.89	0.615	33.01	-5.12
	16-QAM	2650.0	-0.40	1/1	27.98	27.58	0.573	33.01	-5.43
	64-QAM	2650.0	-0.40	1 / 215	26.67	26.27	0.423	33.01	-6.74
	256-QAM	2593.0	-0.40	1 / 215	24.53	24.13	0.259	33.01	-8.88
		2541.0	-0.40	1 / 122	28.38	27.98	0.628	33.01	-5.03
	π/2 BPSK	2593.0	-0.40	1 / 243	28.54	28.14	0.651	33.01	-4.87
		2645.0	-0.40	1 / 243	28.70	28.30	0.676	33.01	-4.71
		2541.0	-0.40	1 / 122	27.79	27.39	0.548	33.01	-5.62
90 MHz	QPSK	2593.0	-0.40	1/1	28.67	28.27	0.672	33.01	-4.74
		2645.0	-0.40	1/1	28.53	28.13	0.650	33.01	-4.88
	16-QAM	2593.0	-0.40	1/1	28.27	27.87	0.612	33.01	-5.14
	64-QAM	2593.0	-0.40	1/1	27.01	26.61	0.458	33.01	-6.40
	256-QAM	2645.0	-0.40	1 / 122	24.82	24.42	0.277	33.01	-8.59
		2546.0	-0.40	1 / 271	28.43	28.03	0.635	33.01	-4.98
	H			1 / 271	28.46	28.06	0.640	33.01	-4.95
	Π/2 BPSK	2593.0	-0.40						
	π/2 BPSK	2640.0	-0.40	1 / 271	28.56	28.16	0.655	33.01	-4.85
_		2640.0 2546.0	-0.40 -0.40	1 / 271 1 / 136	27.71	27.31	0.538	33.01	-5.70
100 MHz	π/2 BPSK	2640.0 2546.0 2593.0	-0.40 -0.40 -0.40	1 / 271 1 / 136 1 / 271	27.71 28.70	27.31 28.30	0.538 0.676	33.01 33.01	-5.70 -4.71
100 MHz	QPSK	2640.0 2546.0 2593.0 2640.0	-0.40 -0.40 -0.40 -0.40	1 / 271 1 / 136 1 / 271 1 / 136	27.71 28.70 28.63	27.31 28.30 28.23	0.538 0.676 0.665	33.01 33.01 33.01	-5.70 -4.71 -4.78
100 MHz	QPSK 16-QAM	2640.0 2546.0 2593.0 2640.0 2593.0	-0.40 -0.40 -0.40 -0.40 -0.40	1 / 271 1 / 136 1 / 271 1 / 136 1 / 1	27.71 28.70 28.63 28.15	27.31 28.30 28.23 27.75	0.538 0.676 0.665 0.596	33.01 33.01 33.01 33.01	-5.70 -4.71 -4.78 -5.26
100 MHz	QPSK	2640.0 2546.0 2593.0 2640.0	-0.40 -0.40 -0.40 -0.40	1 / 271 1 / 136 1 / 271 1 / 136	27.71 28.70 28.63	27.31 28.30 28.23	0.538 0.676 0.665	33.01 33.01 33.01	-5.70 -4.71 -4.78

Table 7-20. Antenna 1 EIRP Data (NR Band n41 PC2)

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### NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2510.0	-0.40	1 / 25	25.20	24.80	0.302	33.01	-8.21
	π/2 BPSK	2593.0	-0.40	1 / 25	25.25	24.85	0.306	33.01	-8.16
		2680.0 2510.0	-0.40 -0.40	1 / 1	25.59 25.59	25.19 25.19	0.331	33.01 33.01	-7.82 -7.82
20 MHz	QPSK	2593.0	-0.40	1 / 25	25.46	25.06	0.321	33.01	-7.95
		2680.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2680.0	-0.40	1/1	24.98	24.58	0.287	33.01	-8.43
	64-QAM	2510.0	-0.40	1 / 49	23.08	22.68	0.185	33.01	-10.33
	256-QAM	2510.0 2515.0	-0.40 -0.40	1 / 25	21.10 25.37	20.70	0.117 0.314	33.01 33.01	-12.31 -8.04
	π/2 BPSK	2593.0	-0.40	1/1	25.41	25.01	0.317	33.01	-8.00
		2675.0	-0.40	1 / 39	25.67	25.27	0.337	33.01	-7.74
		2515.0	-0.40	1 / 39	25.47	25.07	0.322	33.01	-7.94
30 MHz	QPSK	2593.0	-0.40	1/1	25.57	25.17	0.329	33.01	-7.84
		2675.0	-0.40	1 / 39	25.70	25.30	0.339	33.01	-7.71
	16-QAM 64-QAM	2593.0 2675.0	-0.40 -0.40	1 / 1	24.61 23.49	24.21	0.264	33.01 33.01	-8.80 -9.92
	256-QAM	2675.0	-0.40	1/39	21.19	20.79	0.204	33.01	-12.22
	200 @ 101	2520.0	-0.40	1 / 53	25.28	24.88	0.308	33.01	-8.13
	π/2 BPSK	2593.0	-0.40	1 / 53	25.54	25.14	0.327	33.01	-7.87
		2670.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2520.0	-0.40	1 / 53	25.65	25.25	0.335	33.01	-7.76
40 MHz	QPSK	2593.0	-0.40	1/1	25.54	25.14	0.327	33.01	-7.87
	40.0411	2670.0	-0.40	1/1	25.45	25.05	0.320	33.01	-7.96
	16-QAM 64-QAM	2670.0 2520.0	-0.40 -0.40	1 / 1	25.01 23.30	24.61 22.90	0.289 0.195	33.01 33.01	-8.40 -10.11
	256-QAM	2670.0	-0.40	1/104	21.19	20.79	0.120	33.01	-12.22
	222 40 40	2525.0	-0.40	1 / 66	25.54	25.14	0.327	33.01	-7.87
	π/2 BPSK	2593.0	-0.40	1 / 66	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2525.0	-0.40	1 / 66	24.96	24.56	0.286	33.01	-8.45
50 MHz	QPSK	2593.0	-0.40	1 / 66	25.39	24.99	0.315	33.01	-8.02
	16-QAM	2665.0 2665.0	-0.40 -0.40	1 / 66	25.52 24.88	25.12 24.48	0.325 0.281	33.01 33.01	-7.89 -8.53
	64-QAM	2665.0	-0.40	1/1	23.05	22.65	0.184	33.01	-10.36
	256-QAM	2665.0	-0.40	1 / 66	20.90	20.50	0.112	33.01	-12.51
		2530.0	-0.40	1 / 81	25.70	25.30	0.339	33.01	-7.71
	π/2 BPSK	2593.0	-0.40	1/1	25.65	25.25	0.335	33.01	-7.76
		2660.0	-0.40	1 / 81	25.43	25.03	0.318	33.01	-7.99
CO MILI-	opor	2530.0	-0.40	1 / 81	25.43	25.03	0.318	33.01	-7.98
60 MHz	QPSK	2593.0 2660.0	-0.40 -0.40	1/1	25.60 25.51	<b>25.20</b> 25.11	0.331 0.325	33.01 33.01	-7.81 -7.90
	16-QAM	2593.0	-0.40	1 / 160	24.74	24.34	0.323	33.01	-8.67
	64-QAM	2660.0	-0.40	1/1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2660.0	-0.40	1/1	21.22	20.82	0.121	33.01	-12.19
		2535.0	-0.40	1 / 187	25.63	25.23	0.334	33.01	-7.78
	π/2 BPSK	2593.0	-0.40	1/1	25.55	25.15	0.327	33.01	-7.86
		2655.0 2535.0	-0.40 -0.40	1 / 1	25.70 25.69	25.30 25.29	0.339	33.01 33.01	-7.71 -7.72
70 MHz	QPSK	2593.0	-0.40	1/10/	25.65	25.25	0.335	33.01	-7.76
	4.01	2655.0	-0.40	1/1	25.62	25.22	0.333	33.01	-7.79
	16-QAM	2655.0	-0.40	1/1	24.75	24.35	0.272	33.01	-8.66
	64-QAM	2535.0	-0.40	1 / 187	23.24	22.84	0.192	33.01	-10.17
	256-QAM	2593.0	-0.40	1/1	21.16	20.76	0.119	33.01	-12.25
	π/2 BPSK	2540.0 2593.0	-0.40 -0.40	1 / 215	25.04 25.33	24.64 24.93	0.291	33.01 33.01	-8.37 -8.08
	IIIZ DI OK	2650.0	-0.40	1 / 108	25.40	25.00	0.311	33.01	-8.01
		2540.0	-0.40	1 / 215	24.74	24.34	0.272	33.01	-8.67
80 MHz	QPSK	2593.0	-0.40	1/1	25.70	25.30	0.339	33.01	-7.71
		2650.0	-0.40	1/1	25.36	24.96	0.313	33.01	-8.05
	16-QAM	2650.0	-0.40	1/1	24.56	24.16	0.261	33.01	-8.85
	64-QAM 256-QAM	2540.0 2650.0	-0.40 -0.40	1 / 215 1 / 215	22.86 20.91	22.46 20.51	0.176 0.112	33.01 33.01	-10.56 -12.50
	230-QAW	2545.0	-0.40	1 / 243	25.15	24.75	0.112	33.01	-8.26
	π/2 BPSK	2593.0	-0.40	1 / 243	25.50	25.10	0.323	33.01	-7.91
		2645.0	-0.40	1 / 122	25.56	25.16	0.328	33.01	-7.85
		2545.0	-0.40	1 / 243	25.70	25.30	0.339	33.01	-7.71
90 MHz	QPSK	2593.0	-0.40	1/1	25.45	25.05	0.320	33.01	-7.96
	16 001	2645.0	-0.40	1 / 122	25.48	25.08	0.322	33.01	-7.93
	16-QAM 64-QAM	2645.0 2593.0	-0.40 -0.40	1 / 122	25.07 23.11	24.67	0.293	33.01 33.01	-8.34 -10.31
	256-QAM	2593.0	-0.40	1/243	21.25	20.85	0.100	33.01	-10.31
		2550.0	-0.40	1/1	25.55	25.15	0.327	33.01	-7.86
	π/2 BPSK	2593.0	-0.40	1 / 271	25.59	25.19	0.330	33.01	-7.82
		2640.0	-0.40	1 / 271	25.69	25.29	0.338	33.01	-7.72
400.000		2550.0	-0.40	1/1	25.50	25.10	0.324	33.01	-7.91
100 MHz	QPSK	2593.0	-0.40	1 / 271	25.14	24.74	0.298	33.01	-8.27
	16-QAM	2640.0 2550.0	-0.40 -0.40	1 / 1	25.11 24.24	24.71 23.84	0.296 0.242	33.01 33.01	-8.30 -9.17
	64-QAM	2640.0	-0.40	1 / 271	23.35	22.95	0.242	33.01	-10.06
	256-QAM	2550.0	-0.40	1 / 271	24.67	24.27	0.268	33.01	-8.74
	Table 7-21	Anton		EIDD D				DC3/	

Table 7-21. Antenna 1 EIRP Data (NR Band n41 PC3)

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#### **ULCA - Band 7**

Power		Bandwidth			PCC					scc			ULCA Tx. Ant. Gain		EIPD (dBm		, EIRP Limit	
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]	[dBm]	Margin [dB]
				20850	2510.0	1	99		21048	2529.8	1	0	22.12	-0.30	21.82	0.152	33.01	-11.19
			QPSK	21100	2535.0	1	99	QPSK	21298	2554.8	1	0	22.20	-0.30	21.90	0.155	33.01	-11.11
				21350	2560.0	1	0		21152	2540.2	1	99	22.15	-0.30	21.85	0.153	33.01	-11.16
Max	LTE B7	20MHz + 20MHz	QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	20.77	-0.30	20.47	0.111	33.01	-12.54
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	19.89	-0.30	19.59	0.091	33.01	-13.42
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	19.76	-0.30	19.46	0.088	33.01	-13.55
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	17.73	-0.30	17.43	0.055	33.01	-15.58

Table 7-22. Antenna 1 EIRP Data (ULCA LTE Band 7)

### **ULCA - Band 41 (PC2)**

Power					PCC					scc			ULCA Tx.	Ant. Gain			EIRP Limit	
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]	[dBm]	Margin [dB]
				39750	2506.0	1	99		39948	2525.8	1	0	28.52	-0.40	28.12	0.649	33.01	-4.89
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	28.66	-0.40	28.26	0.670	33.01	-4.75
				41490	2680.0	1	0	1	41292	2660.2	1	99	28.61	-0.40	28.21	0.662	33.01	-4.80
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	26.86	-0.40	26.46	0.443	33.01	-6.55
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	25.79	-0.40	25.39	0.346	33.01	-7.62
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	25.84	-0.40	25.44	0.350	33.01	-7.57
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	23.89	-0.40	23.49	0.223	33.01	-9.52

Table 7-23. Antenna 1 EIRP Data (ULCA LTE Band 41 (PC2))

### ULCA - Band 41 (PC3)

Power		Bandwidth			PCC					scc			ULCA Tx.	Ant. Gain	ant. Gain	FIRE BACHET	[dBm]	
State	Band	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]	[dBi]	EIRP [dBm]	EIRP [Watts]		Margin [dB]
				39750	2506.0	1	99		39948	2525.8	1	0	25.57	-0.40	25.17	0.329	33.01	-7.84
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	25.47	-0.40	25.07	0.321	33.01	-7.94
				41490	2680.0	1	0		41292	2660.2	1	99	25.65	-0.40	25.25	0.335	33.01	-7.76
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	23.72	-0.40	23.32	0.215	33.01	-9.69
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.82	-0.40	22.42	0.175	33.01	-10.59
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.70	-0.40	22.30	0.170	33.01	-10.71
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	20.78	-0.40	20.38	0.109	33.01	-12.63

Table 7-24. Antenna 1 EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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### 7.6.3 Antenna 3 – EIRP

#### LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2307.5	-3.80	1 / 0	25.00	21.20	0.132	23.98	-2.78
	QPSK	2310.0	-3.80	1 / 12	25.03	21.23	0.133	23.98	-2.75
5 MHz		2312.5	-3.80	1 / 12	25.20	21.40	0.138	23.98	-2.58
3 MINZ	16-QAM	2312.5	-3.80	1 / 12	24.41	20.61	0.115	23.98	-3.37
	64-QAM	2312.5	-3.80	1 / 12	23.39	19.59	0.091	23.98	-4.39
	256-QAM	2307.5	-3.80	1 / 12	20.54	16.74	0.047	23.98	-7.24
	QPSK	2310.0	-3.80	1 / 25	25.20	21.40	0.138	23.98	-2.58
10 MHz	16-QAM	2310.0	-3.80	1 / 25	24.52	20.72	0.118	23.98	-3.26
10 IVINZ	64-QAM	2310.0	-3.80	1 / 25	23.68	19.88	0.097	23.98	-4.10
	256-QAM	2310.0	-3.80	1 / 25	20.39	16.59	0.046	23.98	-7.39

Table 7-25. Antenna 3 EIRP Data (LTE Band 30)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2502.5	-2.70	1 / 12	25.16	22.46	0.176	33.01	-10.55
	QPSK	2535.0	-2.70	1 / 12	25.17	22.47	0.177	33.01	-10.54
5 MHz		2567.5	-2.70	1 / 24	25.20	22.50	0.178	33.01	-10.51
3 IVITZ	16-QAM	2535.0	-2.70	1 / 12	24.46	21.76	0.150	33.01	-11.25
	64-QAM	2535.0	-2.70	1 / 0	23.45	20.75	0.119	33.01	-12.26
	256-QAM	2567.5	-2.70	1 / 12	20.48	17.78	0.060	33.01	-15.23
		2505.0	-2.70	1 / 49	25.20	22.50	0.178	33.01	-10.51
	QPSK	2535.0	-2.70	1 / 25	25.11	22.41	0.174	33.01	-10.60
40 8411-		2565.0	-2.70	1 / 25	24.98	22.28	0.169	33.01	-10.73
10 MHz	16-QAM	2535.0	-2.70	1 / 25	24.38	21.68	0.147	33.01	-11.33
	64-QAM	2505.0	-2.70	1 / 49	23.52	20.82	0.121	33.01	-12.19
	256-QAM	2565.0	-2.70	1 / 25	20.75	18.05	0.064	33.01	-14.96
		2507.5	-2.70	1 / 74	25.16	22.46	0.176	33.01	-10.55
	QPSK	2535.0	-2.70	1 / 74	25.20	22.50	0.178	33.01	-10.51
45 8411-		2562.5	-2.70	1 / 74	24.92	22.22	0.167	33.01	-10.79
15 MHz	16-QAM	2562.5	-2.70	1 / 74	24.55	21.85	0.153	33.01	-11.16
	64-QAM	2535.0	-2.70	1 / 37	23.46	20.76	0.119	33.01	-12.25
	256-QAM	2507.5	-2.70	1 / 37	20.44	17.74	0.059	33.01	-15.27
		2510.0	-2.70	1 / 99	25.16	22.46	0.176	33.01	-10.55
	QPSK	2535.0	-2.70	1 / 99	25.20	22.50	0.178	33.01	-10.51
00 8411-		2560.0	-2.70	1 / 99	25.09	22.39	0.173	33.01	-10.62
20 MHz	16-QAM	2560.0	-2.70	1 / 50	24.67	21.97	0.157	33.01	-11.04
	64-QAM	2510.0	-2.70	1 / 50	23.50	20.80	0.120	33.01	-12.21
	256-QAM	2560.0	-2.70	1 / 50	20.44	17.74	0.059	33.01	-15.27

Table 7-26. Antenna 3 EIRP Data (LTE Band 7)

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2498.5	-2.70	1 / 12	27.16	24.46	0.279	33.01	-8.55
	QPSK	2593.0	-2.70	1 / 12	27.20	24.50	0.282	33.01	-8.51
5 MHz		2687.5	-2.70	1 / 12	27.19	24.49	0.281	33.01	-8.52
3 IVITZ	16-QAM	2687.5	-2.70	1 / 0	26.27	23.57	0.228	33.01	-9.44
	64-QAM	2687.5	-2.70	1 / 12	25.70	23.00	0.200	33.01	-10.01
	256-QAM	2687.5	-2.70	1 / 12	22.29	19.59	0.091	33.01	-13.42
		2501.0	-2.70	1 / 25	27.02	24.32	0.270	33.01	-8.69
	QPSK	2593.0	-2.70	1 / 25	27.04	24.34	0.272	33.01	-8.67
10 MH=		2685.0	-2.70	1 / 0	27.20	24.50	0.282	33.01	-8.51
10 MHz	16-QAM	2685.0	-2.70	1 / 0	26.26	23.56	0.227	33.01	-9.45
	64-QAM	2685.0	-2.70	1 / 25	25.41	22.71	0.187	33.01	-10.30
	256-QAM	2685.0	-2.70	1 / 25	22.54	19.84	0.096	33.01	-13.17
		2503.5	-2.70	1 / 37	26.92	24.22	0.264	33.01	-8.79
	QPSK	2593.0	-2.70	1 / 0	27.07	24.37	0.274	33.01	-8.64
15 MHz		2682.5	-2.70	1 / 37	27.20	24.50	0.282	33.01	-8.51
13 IVINZ	16-QAM	2682.5	-2.70	1 / 0	26.25	23.55	0.226	33.01	-9.46
	64-QAM	2682.5	-2.70	1 / 37	25.23	22.53	0.179	33.01	-10.48
	256-QAM	2682.5	-2.70	1 / 37	22.24	19.54	0.090	33.01	-13.47
		2506.0	-2.70	1 / 50	26.80	24.10	0.257	33.01	-8.91
	QPSK	2593.0	-2.70	1 / 0	26.93	24.23	0.265	33.01	-8.78
20 MHz		2680.0	-2.70	1 / 50	27.20	24.50	0.282	33.01	-8.51
20 101112	16-QAM	2680.0	-2.70	1 / 50	26.15	23.45	0.221	33.01	-9.56
	64-QAM	2680.0	-2.70	1 / 50	25.16	22.46	0.176	33.01	-10.55
	256-QAM	2680.0	-2.70	1 / 50	22.11	19.41	0.087	33.01	-13.60

Table 7-27. Antenna 3 EIRP Data (LTE Band 41(PC2))

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

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		2498.5	-2.70	1 / 12	25.59	22.89	0.195	33.01	-10.12
	QPSK	2593.0	-2.70	1 / 12	25.58	22.88	0.194	33.01	-10.13
5 MU-		2687.5	-2.70	1 / 12	25.70	23.00	0.200	33.01	-10.01
5 MHz	16-QAM	2687.5	-2.70	1 / 24	24.77	22.07	0.161	33.01	-10.94
	64-QAM	2687.5	-2.70	1 / 24	24.06	21.36	0.137	33.01	-11.65
	256-QAM	2687.5	-2.70	1 / 24	20.77	18.07	0.064	33.01	-14.94
		2501.0	-2.70	1 / 25	25.50	22.80	0.191	33.01	-10.21
	QPSK	2593.0	-2.70	1 / 0	25.56	22.86	0.193	33.01	-10.15
40 MIII-		2685.0	-2.70	1 / 25	25.70	23.00	0.200	33.01	-10.01
10 MHz	16-QAM	2685.0	-2.70	1 / 25	24.85	22.15	0.164	33.01	-10.86
	64-QAM	2685.0	-2.70	1/0	23.67	20.97	0.125	33.01	-12.04
	256-QAM	2685.0	-2.70	1 / 25	21.12	18.42	0.070	33.01	-14.59
		2503.5	-2.70	1 / 37	25.44	22.74	0.188	33.01	-10.27
	QPSK	2593.0	-2.70	1 / 37	25.41	22.71	0.187	33.01	-10.30
45 MU=		2682.5	-2.70	1 / 37	25.70	23.00	0.200	33.01	-10.01
15 MHz	16-QAM	2682.5	-2.70	1 / 37	24.75	22.05	0.160	33.01	-10.96
	64-QAM	2682.5	-2.70	1 / 37	23.58	20.88	0.122	33.01	-12.13
	256-QAM	2682.5	-2.70	1 / 37	20.68	17.98	0.063	33.01	-15.03
		2506.0	-2.70	1 / 50	25.42	22.72	0.187	33.01	-10.29
	QPSK	2593.0	-2.70	1 / 0	25.41	22.71	0.187	33.01	-10.30
20 MH=		2680.0	-2.70	1 / 99	25.70	23.00	0.200	33.01	-10.01
20 MHz	16-QAM	2593.0	-2.70	1 / 50	24.91	22.21	0.166	33.01	-10.80
	64-QAM	2680.0	-2.70	1 / 50	24.22	21.52	0.142	33.01	-11.49
	256-QAM	2680.0	-2.70	1 / 99	20.72	18.02	0.063	33.01	-14.99

Table 7-28. Antenna 3 EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2435	<b>e</b> lement	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 205 of 274	
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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]
		2307.5	-3.80	1/1	24.91	21.11	0.129	23.98	-2.87
	π/2 BPSK	2310.0	-3.80	1 / 1	25.20	21.40	0.138	23.98	-2.58
		2312.5	-3.80	1 / 1	25.09	21.29	0.135	23.98	-2.69
		2307.5	-3.80	1 / 23	24.95	21.15	0.130	23.98	-2.83
5 MHz	QPSK	2310.0	-3.80	1 / 12	24.99	21.19	0.132	23.98	-2.79
		2312.5	-3.80	1 / 23	24.98	21.18	0.131	23.98	-2.80
	16-QAM	2307.5	-3.80	1 / 23	24.50	20.70	0.117	23.98	-3.28
	64-QAM	2307.5	-3.80	1/1	22.79	18.99	0.079	23.98	-4.99
	256-QAM	2310.0	-3.80	1 / 12	20.73	16.93	0.049	23.98	-7.05
	π/2 BPSK	2310.0	-3.80	1 / 25	24.90	21.10	0.129	23.98	-2.88
	QPSK	2310.0	-3.80	1 / 25	25.20	21.40	0.138	23.98	-2.58
10 MHz	16-QAM	2310.0	-3.80	1 / 25	24.66	20.86	0.122	23.98	-3.11
	64-QAM	2310.0	-3.80	1 / 50	22.78	18.98	0.079	23.98	-5.00
	256-QAM	2310.0	-3.80	1 / 25	20.86	17.06	0.051	23.98	-6.92

Table 7-29. Antenna 3 EIRP Data (NR Band n30)

FCC ID: BCGA2435	<b>e</b> lement	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 206 of 274
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5 MHz    Fig.   Page	Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
SMHz			2502.5	-2.70	1 / 23	25.16	22.46	0.176	33.01	-10.55
5 MHz  QPSK 259.5 0 -2.70 1/23 25.18 22.48 0.177 33.01 1.0  QPSK 259.5 0 -2.70 1/12 25.11 22.41 0.174 33.01 1.0  16-QAM 259.5 0 -2.70 1/12 24.52 21.82 0.172 33.01 1.0  256-QAM 259.5 0 -2.70 1/12 24.95 21.82 0.152 33.01 1.0  256-QAM 259.5 0 -2.70 1/12 24.98 22.18 0.059 33.01 1.0  256-QAM 259.5 0 -2.70 1/12 24.98 22.19 0.059 33.01 1.0  10 MHz  QPSK 259.5 0 -2.70 1/11 24.98 22.19 0.059 33.01 1.0  259.5 0 -2.70 1/11 24.98 22.09 0.169 33.01 1.0  10 MHz  QPSK 259.5 0 -2.70 1/11 24.70 22.00 0.159 33.01 1.0  259.5 0 -2.70 1/15 24.70 22.00 0.159 33.01 1.0  10 MHz  QPSK 259.5 0 -2.70 1/15 24.70 22.00 0.159 33.01 1.0  16-QAM 259.5 0 -2.70 1/15 24.70 22.00 0.159 33.01 1.0  16-QAM 259.5 0 -2.70 1/15 24.70 22.00 0.159 33.01 1.0  17 MHz  QPSK 259.5 0 -2.70 1/15 24.81 22.11 0.163 33.01 1.0  18 G-QAM 259.5 0 -2.70 1/15 24.81 22.11 0.163 33.01 1.0  256-QAM 259.5 0 -2.70 1/15 24.81 22.11 0.163 33.01 1.0  256-QAM 259.5 0 -2.70 1/17 25 24.81 22.11 0.163 33.01 1.0  256-QAM 259.5 0 -2.70 1/17 25 24.81 22.14 0.173 33.01 1.0  250.7 5 -2.70 1/17 25 24.87 22.49 0.172 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.49 0.172 33.01 1.0  250.5 5 -2.70 1/17 25 20.0 22.50 0.178 33.01 1.0  250.5 5 -2.70 1/17 25 20.0 22.50 0.178 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.166 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.166 33.01 1.0  250.5 5 -2.70 1/17 25.04 22.34 0.172 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  260.6 24 24 25 25 25 25 25 25 25 25 25 0.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.5 5 -2.70 1/17 25 24.87 22.17 0.168 33.01 1.0  250.6 24 25 25 25 270 1/17 25 24.87 22.17 0.168 33.01 1.0  250.6 24 25 25 25 270 1/17 25 24.87 22.17 0.168 33.01 1.0  250.6 24 25 25 25 270 1/17 24.89 22.20 0.167 33.01 1.0		π/2 BPSK	2535.0	-2.70	1 / 23	25.20	22.50	0.178	33.01	-10.51
SMHz			2567.5	-2.70	1 / 12	25.06	22.36	0.172	33.01	-10.65
16-QAM   2555 0   -2.70   1/1   25.11   22.41   0.174   33.01   -11			2502.5	-2.70	1 / 23	25.18	22.48	0.177	33.01	-10.53
16-QAM   2555 0   2-70	5 MHz	QPSK	2535.0	-2.70	1 / 23	25.10	22.40	0.174	33.01	-10.61
8-0-AM			2567.5	-2.70	1/1	25.11	22.41	0.174	33.01	-10.60
10 MHz		16-QAM	2535.0	-2.70	1 / 12	24.52	21.82	0.152	33.01	-11.19
10 MHz  10 MHz		64-QAM	2535.0	-2.70	1 / 12	23.08	20.38	0.109	33.01	-12.63
10 MHz  QPSK  2555.0 -2.70 1 / 1 / 25 25.20 22.50 0.178 33.01 -10   2555.0 -2.70 1 / 1 / 24.79 22.09 0.162 33.01 -10   2555.0 -2.70 1 / 1 / 24.79 22.00 0.168 33.01 -10   2555.0 -2.70 1 / 1 / 50 24.80 22.10 0.163 33.01 -10   18-QAM 2555.0 -2.70 1 / 1 / 50 24.81 22.11 0.163 33.01 -10   18-QAM 2555.0 -2.70 1 / 1 / 50 24.81 22.11 0.163 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 50 24.81 22.11 0.163 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 50 24.81 22.11 0.163 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 50 25.19 20.49 0.112 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 25.00 22.50 0.178 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 25.04 22.34 0.172 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 3 24.87 22.17 0.165 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 3 24.87 22.17 0.165 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 3 24.90 22.20 0.166 33.01 1.0   18-QAM 2555.0 -2.70 1 / 1 / 3 24.96 22.26 0.168 33.01 1.0   18-QAM 2555.0 -2.70 1 / 1 / 3 24.96 22.26 0.168 33.01 1.0   256-QAM 2552.5 -2.70 1 / 7 / 3 24.51 21.81 0.152 33.01 1.0   256-QAM 2552.5 -2.70 1 / 1 / 3 24.51 21.81 0.152 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 20.10 20.31 0.107 33.01 1.0   256-QAM 2552.5 -2.70 1 / 7 / 3 24.51 21.81 0.152 33.01 1.0   256-QAM 2552.5 -2.70 1 / 1 / 3 20.10 20.31 0.107 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 20.10 20.31 0.107 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 20.10 20.31 0.107 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 20.10 20.31 0.107 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.26 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.22 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.22 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.22 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.22 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.98 22.22 0.168 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.85 22.88 19.98 0.099 33.01 1.0   256-QAM 2553.0 -2.70 1 / 1 / 3 24.85 22.88 19.98 0.099 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 3 24.85 22.89 0.18 0.14 33.01 1.0   256-QAM 2555.0 -2.70 1 / 1 / 3 24.85 22.		256-QAM	2567.5	-2.70	1 / 23	20.80	18.10	0.065	33.01	-14.91
268.00   -2.70   1/1   24.79   22.09   0.192   33.01   1.10			2505.0	-2.70	1/1	24.86	22.16	0.165	33.01	-10.85
10 MHz		π/2 BPSK								-10.51
10 MHz			2565.0	-2.70	1/1	24.79	22.09	0.162	33.01	-10.92
18-QAM   2505.0   -2.70   11/50   24.81   22.11   0.163   33.01   -10								0.158	33.01	-11.01
16-QAM   2505.0   -2.70   11.25   24.18   21.48   0.141   33.01   -11   64-QAM   2505.0   -2.70   11.75   20.31   20.49   0.112   33.01   -12   256-QAM   2505.0   -2.70   11.71   20.80   18.10   0.065   33.01   -14   256-QAM   2505.0   -2.70   11.71   20.80   18.10   0.065   33.01   -14   256-QAM   2505.5   -2.70   11.73   25.20   22.50   0.178   33.01   -10   2560.5   -2.70   11.73   24.87   22.17   0.165   33.01   -10   2560.5   -2.70   11.73   24.87   22.17   0.165   33.01   -10   2560.5   -2.70   11.73   24.87   22.17   0.165   33.01   -10   2560.5   -2.70   11.73   24.86   22.26   0.168   33.01   -10   2560.5   -2.70   11.73   24.86   22.26   0.168   33.01   -10   2560.5   -2.70   11.73   24.86   22.26   0.168   33.01   -10   2560.4   22.55   -2.70   11.73   24.86   22.26   0.168   33.01   -10   2560.4   2555.0   -2.70   11.73   24.81   21.81   0.152   33.01   -10   2560.4   2555.0   -2.70   11.73   23.01   20.31   0.107   33.01   -10   2560.4   2555.0   -2.70   11.73   23.01   20.31   0.107   33.01   -10   2560.4   2555.0   -2.70   11.71   25.01   22.31   0.170   33.01   -10   2560.4   2555.0   -2.70   11.71   25.01   22.31   0.170   33.01   -10   2560.0   -2.70   11.71   25.01   22.31   0.170   33.01   -10   2560.0   -2.70   11.71   25.20   22.50   0.178   33.01   -10   2570.0   -2.70   11.71   24.84   22.14   0.164   33.01   -10   2570.0   -2.70   11.71   24.84   22.14   0.164   33.01   -10   2570.0   -2.70   11.71   24.84   22.14   0.164   33.01   -10   2570.0   -2.70   11.71   24.94   22.22   0.168   33.01   -10   2580.0   -2.70   11.71   24.94   22.24   0.167   33.01   -10   2580.0   -2.70   11.71   24.94   22.24   0.167   33.01   -10   2580.0   -2.70   11.71   24.94   22.24   0.167   33.01   -10   2580.0   -2.70   11.71   24.94   22.24   0.167   33.01   -10   2580.0   -2.70   11.71   24.94   22.24   0.167   33.01   -10   2580.0   -2.70   11.71   24.95   22.90   0.178   33.01   -10   2580.0   -2.70   11.71   24.95   22.47   0.177   33.01   -10   2580.0   -2.70   11.71   24.95   22.47   0.177   33.01	10 MHz	QPSK	2535.0	-2.70	1 / 50	24.80	22.10	0.162	33.01	-10.91
### Section   1.5			2565.0	-2.70	1 / 50	24.81	22.11	0.163	33.01	-10.90
256-QAM   2505.0   -2.70   1 / 1   20.80   18.10   0.065   33.01   -14		16-QAM	2505.0	-2.70	1 / 25	24.18	21.48	0.141	33.01	-11.53
### 17/2 BPSK		64-QAM					20.49	0.112	33.01	-12.52
15 MHz  15 MHz  15 MHz  16 CPSK  2562.5  2562.5  270  1/73  24.87  22.17  0.165  33.01  -10  2567.5  -2.70  1/73  24.87  22.27  0.166  33.01  -10  2562.5  -2.70  1/73  24.80  22.20  0.166  33.01  -10  16-QAM  2567.5  -2.70  1/73  24.90  22.24  0.172  33.01  -10  16-QAM  2567.5  -2.70  1/73  24.90  22.24  0.168  33.01  -10  16-QAM  2565.5  -2.70  1/73  24.90  22.24  0.168  33.01  -10  16-QAM  2565.5  -2.70  1/73  24.90  22.21  0.168  33.01  -10  16-QAM  2565.5  -2.70  1/73  24.91  20.31  10.107  33.01  -11  256-QAM  2568.5  -2.70  1/73  24.91  20.31  17.63  0.085  33.01  -10  17.28PSK  2560.0  -2.70  1/11  25.01  22.31  0.170  33.01  -10  2560.0  -2.70  1/11  25.01  22.31  0.170  33.01  -10  2560.0  -2.70  1/11  24.84  22.14  0.164  33.01  -10  2560.0  -2.70  1/11  24.96  22.26  0.168  33.01  -10  2660.0  -2.70  1/11  24.96  22.26  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/11  24.96  22.26  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/16  24.27  17.57  17.91  24.96  22.26  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/16  24.27  25.17  1/17  24.96  22.26  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/16  24.27  25.17  1/17  24.96  22.26  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/16  25.17  25.17  17.18  24.97  25.17  17.18  24.90  25.17  17.18  25.18  25.18  17.18  25.18		256-QAM								-14.91
15 MHz  OPSK 2555.0 -2.70 1/.73 24.96 22.20 0.166 33.01 -10 2560.0 -2.70 1/.11 25.04 22.34 0.172 33.01 -10 2562.5 -2.70 1/.73 24.96 22.26 0.168 33.01 -10 1.00 1.00 1.00 1.00 1.00 1.00 1.								0.178	33.01	-10.51
15 MHz		π/2 BPSK	2535.0	-2.70	1/1	25.04	22.34	0.172	33.01	-10.67
15 MHz			2562.5	-2.70	1 / 73	24.87	22.17	0.165	33.01	-10.84
2562.5   -2.70   1/73   24.96   22.26   0.188   33.01   -10			2507.5	-2.70		24.90	22.20	0.166	33.01	-10.81
16-QAM	15 MHz	QPSK	2535.0	-2.70	1/1	25.04	22.34	0.172	33.01	-10.67
Color			2562.5	-2.70	1 / 73	24.96	22.26	0.168	33.01	-10.75
256-QAM   2562.5   -2.70   1/73   20.33   17.63   0.058   33.01   -15		16-QAM	2507.5	-2.70	1 / 73	24.51	21.81	0.152	33.01	-11.20
25 MHz  2510.0		64-QAM	2535.0	-2.70	1/1	23.01	20.31	0.107	33.01	-12.70
20 MHz  20 MHz		256-QAM	2562.5	-2.70	1 / 73	20.33	17.63	0.058	33.01	-15.38
25 MHz  QPSK QPSK QPSK QPSK QPSK QPSK QPSK QPS			2510.0	-2.70	1 / 1	25.01	22.31	0.170	33.01	-10.70
20 MHz  QPSK  2510.0  2500.0  2.70  1 / 198  24.92  22.22  20.167  33.01  -10  2560.0  -2.70  1 / 198  24.92  22.22  20.167  33.01  -10  16-QAM  2535.0  -2.70  1 / 150  24.27  21.57  0.143  33.01  -11  64-QAM  2535.0  -2.70  1 / 198  22.68  1 9.98  0.099  33.01  -13  256-QAM  2535.0  -2.70  1 / 105  256-QAM  2535.0  -2.70  1 / 11  24.96  22.27  24.77  0.177  33.01  -10  2512.5  -2.70  1 / 11  25.18  22.48  0.177  33.01  -10  2551.5  -2.70  1 / 11  25.18  22.48  0.177  33.01  -10  2551.5  -2.70  1 / 11  25.18  22.48  0.177  33.01  -10  2551.5  -2.70  1 / 11  25.19  22.49  0.177  33.01  -10  2512.5  -2.70  1 / 11  25.19  22.49  0.177  33.01  -10  2512.5  -2.70  1 / 11  25.19  22.49  0.177  33.01  -10  16-QAM  2557.5  -2.70  1 / 131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1 / 131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1 / 131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1 / 11  24.96  21.86  0.154  33.01  -11  64-QAM  2555.0  -2.70  1 / 131  24.96  21.86  0.154  33.01  -11  64.0AM  2555.0  -2.70  1 / 166  20.73  18.03  0.084  33.01  -11  18.28  20.18  18.03  0.084  33.01  -11  18.28  20.18  18.03  0.084  33.01  -11  18.04  2555.0  -2.70  1 / 158  22.50  0.178  33.01  -10  18.04  2555.0  -2.70  1 / 118  24.95  22.55  0.168  33.01  -10  16-QAM  2515.0  -2.70  1 / 118  24.85  21.85  0.163  33.01  -11  64.0AM  2555.0  -2.70  1 / 118  22.85  22.15  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2550.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10  16-QAM  2550.0  -2.70  1 / 108  24.95  22.27  0.168  33.01  -10		π/2 BPSK	2535.0	-2.70	1/1	25.20	22.50	0.178	33.01	-10.51
20 MHz   QPSK   2535.0   -2.70   1 / 98   24.92   22.22   0.167   33.01   -10			2560.0	-2.70	1 / 50	24.77	22.07	0.161	33.01	-10.95
16-QAM			2510.0	-2.70	1/1	24.84	22.14	0.164	33.01	-10.87
16-QAM	20 MHz	QPSK	2535.0	-2.70	1 / 98	24.92	22.22	0.167	33.01	-10.79
64-QAM 2535.0 -2.70 1/98 22.68 19.98 0.099 33.01 -13 256-QAM 2535.0 -2.70 1/50 20.64 17.94 0.062 33.01 -15			2560.0	-2.70	1/1	24.96	22.26	0.168	33.01	-10.75
256-QAM		16-QAM	2535.0	-2.70	1 / 50	24.27	21.57	0.143	33.01	-11.44
2512.5		64-QAM	2535.0	-2.70	1 / 98	22.68	19.98	0.099	33.01	-13.03
25 MHz  PSK  2535.0		256-QAM	2535.0	-2.70	1 / 50	20.64	17.94	0.062	33.01	-15.07
25 MHz  QPSK  2557.5  -2.70  1/1  24.94  22.24  0.167  33.01  -10  2512.5  -2.70  1/131  25.19  22.49  0.177  33.01  -10  2557.5  -2.70  1/131  25.20  22.50  0.178  33.01  -10  2557.5  -2.70  1/131  25.00  22.30  0.170  33.01  -10  2557.5  -2.70  1/131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1/131  25.00  22.30  0.170  33.01  -10  64-QAM  2557.5  -2.70  1/131  23.03  20.33  0.108  33.01  -12  256-QAM  2512.5  -2.70  1/166  20.73  18.03  0.064  33.01  -14  2555.0  -2.70  1/1  24.36  21.66  0.147  33.01  -11  25.00  2555.0  -2.70  1/1  24.36  21.66  0.147  33.01  -11  25.19  2515.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2550.0  2555.0  -2.70  1/158  24.55  21.85  0.153  33.01  -10  2555.0  -2.70  1/11  24.85  22.15  0.164  33.01  -10  16-QAM  2515.0  -2.70  1/11  24.85  22.15  0.164  33.01  -10  16-QAM  2515.0  -2.70  1/11  24.85  22.15  0.164  33.01  -10  16-QAM  2555.0  -2.70  1/168  22.36  19.66  0.092  33.01  -11  40 MHz  QPSK  2535.0  -2.70  1/108  255.0  -2.70  1/108  255.0  22.70  1/108  255.0  -2.70  1/108  25.17  22.47  0.177  33.01  -10  -10  -10  -10  -10  -10  -10			2512.5	-2.70	1 / 131	25.17	22.47	0.177	33.01	-10.54
25 MHz  QPSK  2535.0  2557.5  2.70  1/131  25.20  22.50  0.178  33.01  -10  2557.5  -2.70  1/131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1/131  25.00  22.30  0.170  33.01  -10  16-QAM  2557.5  -2.70  1/131  23.03  20.33  0.108  33.01  -11  256-QAM  2512.5  -2.70  1/131  23.03  20.33  0.108  33.01  -12  256-QAM  2512.5  -2.70  1/131  23.03  20.33  0.108  33.01  -14  2556-QAM  2512.5  -2.70  1/14  24.39  21.69  0.148  33.01  -11  2555.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2555.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2555.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2555.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2555.0  -2.70  1/11  24.36  21.66  0.147  33.01  -11  2555.0  -2.70  1/158  24.55  21.85  0.153  33.01  -11  2555.0  -2.70  1/11  24.85  22.15  0.164  33.01  -10  16-QAM  2515.0  -2.70  1/158  22.36  19.66  0.092  33.01  -13  256-QAM  2555.0  -2.70  1/158  22.36  19.66  0.092  33.01  -13  256-QAM  2555.0  -2.70  1/158  22.36  19.66  0.092  33.01  -13  256-QAM  2555.0  -2.70  1/108  2550.0  -2.70  1/108  24.51  21.81  0.152  33.01  -10  2550.0  -2.70  1/108  24.51  21.81  0.152  33.01  -10  2550.0  -2.70  1/108  24.91  22.20  0.168  33.01  -10  2550.0  -2.70  1/108  24.95  22.20  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/108  24.95  22.27  0.168  33.01  -10  16-QAM  2555.0  -2.70  1/108  24.90  22.20  0.168  33.01  -10  16-QAM  2550.0  -2.70  1/214  24.82  22.12  0.163  33.01  -10  16-QAM  2550.0  -2.70  1/214  24.99  22.27  0.168  33.01  -10  16-QAM  2550.0  -2.70  1/214  24.99  22.27  0.168  33.01  -10  16-QAM  2550.0  -2.70  1/214  24.98  21.58  0.144  33.01  -11		π/2 BPSK		-2.70	1/1	25.18	22.48	0.177	33.01	-10.53
QPSK   2535.0   -2.70   1 / 131   25.20   22.50   0.178   33.01   -10   2557.5   -2.70   1 / 131   25.00   22.30   0.170   33.01   -10   16-QAM   2557.5   -2.70   1 / 131   23.03   20.33   0.108   33.01   -12   256-QAM   2512.5   -2.70   1 / 131   23.03   20.33   0.108   33.01   -12   256-QAM   2512.5   -2.70   1 / 16   20.73   18.03   0.064   33.01   -11   24.36   21.66   0.148   33.01   -11   24.36   21.66   0.147   33.01   -11   24.36   21.66   0.147   33.01   -11   2555.0   -2.70   1 / 11   24.36   21.66   0.147   33.01   -11   2555.0   -2.70   1 / 11   25.20   22.50   0.178   33.01   -11   2555.0   -2.70   1 / 158   24.55   21.85   0.153   33.01   -11   2555.0   -2.70   1 / 16   24.65   21.95   0.157   33.01   -11   2555.0   -2.70   1 / 16   24.65   22.15   0.164   33.01   -10   2555.0   -2.70   1 / 17   24.85   22.15   0.164   33.01   -10   2555.0   -2.70   1 / 16   24.13   21.43   0.139   33.01   -10   256-QAM   2515.0   -2.70   1 / 168   22.36   19.66   0.092   33.01   -13   256-QAM   2555.0   -2.70   1 / 108   25.17   22.47   0.177   33.01   -10   2550.0   -2.70   1 / 108   25.17   22.47   0.177   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.90   22.20   0.166   33.01   -10   2550.0   -2.70   1 / 108   24.90   22.20   0.166   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.12   0.168   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.12   0.168   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.15   0.168   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.15   0.168   33.01   -10   2550.0   -2.70   1 / 214   24.82   22.15   0.168   33.01   -			2557.5	-2.70	1/1	24.94	22.24	0.167	33.01	-10.77
16-QAM   2557.5   -2.70   1 / 131   25.00   22.30   0.170   33.01   -10					1/1			0.177	33.01	-10.52
16-QAM   2557.5   -2.70   1 / 1   24.56   21.86   0.154   33.01   -11   64-QAM   2557.5   -2.70   1 / 131   23.03   20.33   0.108   33.01   -12   256-QAM   2512.5   -2.70   1 / 66   20.73   18.03   0.064   33.01   -14   2555.0   -2.70   1 / 11   24.39   21.69   0.148   33.01   -14   2555.0   -2.70   1 / 11   24.38   21.66   0.147   33.01   -11   2555.0   -2.70   1 / 11   24.36   21.66   0.147   33.01   -11   2555.0   -2.70   1 / 158   24.55   21.85   0.153   33.01   -10   2555.0   -2.70   1 / 18   24.55   21.85   0.157   33.01   -11   2555.0   -2.70   1 / 18   24.65   21.95   0.157   33.01   -11   2555.0   -2.70   1 / 11   24.85   22.15   0.164   33.01   -10   2555.0   -2.70   1 / 158   22.36   19.66   0.092   33.01   -13   256-QAM   2555.0   -2.70   1 / 158   22.36   19.66   0.092   33.01   -15   2556-QAM   2555.0   -2.70   1 / 108   25.17   22.47   0.177   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.51   21.81   0.152   33.01   -10   2550.0   -2.70   1 / 108   24.90   22.20   0.166   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.12   0.163   33.01   -10   2550.0   -2.70   1 / 1214   24.82   22.15   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58   0.144   33.01   -10   2550.0   -2.70   1 / 1214   24.82   21.58	25 MHz	QPSK	2535.0	-2.70	1 / 131	25.20	22.50	0.178	33.01	-10.51
Color										-10.71
256-QAM 2512.5 -2.70 1 / 66 20.73 18.03 0.064 33.01 -14  2515.0 -2.70 1 / 1 24.39 21.69 0.148 33.01 -11  2555.0 -2.70 1 / 1 24.36 21.66 0.147 33.01 -11  2555.0 -2.70 1 / 1 25.20 22.50 0.178 33.01 -10  2515.0 -2.70 1 / 158 24.55 21.85 0.153 33.01 -11  2535.0 -2.70 1 / 180 24.65 21.95 0.157 33.01 -11  2555.0 -2.70 1 / 1 24.85 22.15 0.164 33.01 -10  2555.0 -2.70 1 / 1 24.85 22.15 0.164 33.01 -10  16-QAM 2515.0 -2.70 1 / 158 22.36 19.66 0.092 33.01 -11  64-QAM 2515.0 -2.70 1 / 158 22.36 19.66 0.092 33.01 -13  256-QAM 2555.0 -2.70 1 / 158 20.16 17.46 0.056 33.01 -15  2520.0 -2.70 1 / 108 25.17 22.47 0.177 33.01 -10  2550.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -10  2550.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -10  2550.0 -2.70 1 / 108 24.90 22.20 0.166 33.01 -10  2550.0 -2.70 1 / 24.82 22.12 0.163 33.01 -10  2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10										-11.15
TI/2 BPSK   2515.0   -2.70   1 / 1   24.39   21.69   0.148   33.01   -11   24.36   21.66   0.147   33.01   -11   24.36   21.66   0.147   33.01   -11   2555.0   -2.70   1 / 1   25.20   22.50   0.178   33.01   -10   25.55.0   -2.70   1 / 158   24.55   21.85   0.153   33.01   -11   25.55.0   -2.70   1 / 160   24.65   21.95   0.157   33.01   -11   25.55.0   -2.70   1 / 10   24.85   22.15   0.164   33.01   -10   25.55.0   -2.70   1 / 1   24.85   22.15   0.164   33.01   -10   25.55.0   -2.70   1 / 158   22.36   19.66   0.092   33.01   -11   25.64   26.64		· · · · · · · · · · · · · · · · · · ·								-12.68
30 MHz		256-QAM	2512.5	-2.70		20.73	18.03		33.01	-14.98
30 MHz QPSK										-11.32
30 MHz  QPSK  2515.0		π/2 BPSK								-11.35
QPSK   2535.0   -2.70   1 / 80   24.65   21.95   0.157   33.01   -11										-10.51
2555.0   -2.70   1 / 1   24.85   22.15   0.164   33.01   -10										-11.16
16-QAM 2515.0 -2.70 1/1 24.13 21.43 0.139 33.01 -11 64-QAM 2515.0 -2.70 1/158 22.36 19.66 0.092 33.01 -13 256-QAM 2555.0 -2.70 1/158 20.16 17.46 0.056 33.01 -15 252.00 -2.70 1/108 25.17 22.47 0.177 33.01 -10 2550.0 -2.70 1/108 24.51 21.81 0.152 33.01 -11 2550.0 -2.70 1/108 24.51 21.81 0.152 33.01 -10 2550.0 -2.70 1/108 24.50 22.25 0.168 33.01 -10 2550.0 -2.70 1/108 24.90 22.20 0.166 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.92 22.12 0.163 33.01 -10 2550.0 -2.70 1/214 24.99 20.19 0.104 33.01 -11 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -11 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -11 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -11 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -11 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 21.58 0.144 33.01 -12 2550.0 -2.70 1/214 24.28 24.	30 MHz	QPSK								-11.06
64-QAM 2515.0 -2.70 1 / 158 22.36 19.66 0.092 33.01 -13 256-QAM 2555.0 -2.70 1 / 158 20.16 17.46 0.056 33.01 -15 256-QAM 2555.0 -2.70 1 / 108 25.17 22.47 0.177 33.01 -10 2550.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -11 2550.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -10 2550.0 -2.70 1 / 108 24.90 22.25 0.168 33.01 -10 2550.0 -2.70 1 / 108 24.90 22.20 0.166 33.01 -10 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10 2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10 2550.0 -2.70 1 / 214 24.82 21.58 0.144 33.01 -10 2550.0 -2.70 1 / 214 24.28 21.58 0.144 33.01 -11 22.89 20.19 0.104 33.01 -12 2550.0 -2.70 1 / 1 22.89 20.19 0.104 33.01 -12 2550.0 -2.70 1 / 1 22.89 20.19 0.104 33.01 -12 2550.0 -2.70 1 / 214 24.80 21.50 20.104 20.205 20.106 20.106 20.106 20.106 20.106 20.10										-10.86
256-QAM 2555.0 -2.70 1 / 158 20.16 17.46 0.056 33.01 -15  2520.0 -2.70 1 / 108 25.17 22.47 0.177 33.01 -10  2535.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -10  2550.0 -2.70 1 / 108 24.51 21.81 0.152 33.01 -10  2550.0 -2.70 1 / 1 24.95 22.25 0.168 33.01 -10  2520.0 -2.70 1 / 108 24.90 22.20 0.166 33.01 -10  2535.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  2550.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2520.0 -2.70 1 / 214 24.82 22.12 0.163 33.01 -10  16-QAM 2520.0 -2.70 1 / 214 24.82 21.58 0.144 33.01 -11  64-QAM 2550.0 -2.70 1 / 1 22.89 20.19 0.104 33.01 -12										-11.58
40 MHz    Tr/2 BPSK   2520.0   -2.70   1 / 108   25.17   22.47   0.177   33.01   -10										-13.35
40 MHz		256-QAM								-15.55
40 MHz										-10.54
40 MHz		π/2 BPSK								-11.20
40 MHz         QPSK         2535.0         -2.70         1 / 214         24.82         22.12         0.163         33.01         -10           2550.0         -2.70         1 / 214         24.97         22.27         0.168         33.01         -10           16-QAM         2520.0         -2.70         1 / 214         24.28         21.58         0.144         33.01         -11           64-QAM         2550.0         -2.70         1 / 1         22.89         20.19         0.104         33.01         -12										-10.76
2550.0     -2.70     1 / 214     24.97     22.27     0.168     33.01     -10       16-QAM     2520.0     -2.70     1 / 214     24.28     21.58     0.144     33.01     -11       64-QAM     2550.0     -2.70     1 / 1     22.89     20.19     0.104     33.01     -12										-10.81
16-QAM 2520.0 -2.70 1 / 214 24.28 21.58 0.144 33.01 -11 64-QAM 2550.0 -2.70 1 / 1 22.89 20.19 0.104 33.01 -12	40 MHz	QPSK								-10.89
64-QAM 2550.0 -2.70 1 / 1 22.89 20.19 0.104 33.01 -12										-10.74
										-11.43
256 OAM   2550 0   270   1/1   20.77   19.07   0.064   23.01   14										-12.82
200-QAIM 2500.0 -2.70 171 20.77 10.07 0.004 55.01 -14		256-QAM	2550.0	-2.70	1/1	20.77	18.07	0.064	33.01	-14.94

### Table 7-30. Antenna 3 EIRP Data (NR Band n7)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 207 of 274
1C2205090025-04-R2.BCG	6/1/2022 - 9/12/2022	Tablet Device	raye 201 01 214



# NR Band n41 (PC2)

## 10 MHz  ## 26 PSK ## 2500.0	Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz			2506.0	-2.70	1 / 25	26.31	23.61	0.230	33.01	-9.40
20 MHz  OPSK   22960   2-70   11/25   25.86   22.16   0.207   33.01   -881  16-GAM   28600   2-70   11/25   20.00   24.20   0.203   33.01   -881  16-GAM   28600   2-70   11/25   20.00   24.20   0.223   33.01   -881  BELAM   28600   2-70   11/25   20.83   23.64   0.274   33.01   -8.81  W/2 BPSK   26800   2-70   11/25   20.83   23.64   0.274   33.01   -8.81  W/2 BPSK   26800   2-70   11/76   20.77   24.77   0.203   33.01   -8.81  W/2 BPSK   26800   2-70   11/76   27.07   24.77   0.203   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.07   24.77   0.203   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.07   24.77   0.203   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.07   24.77   0.203   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.07   24.77   0.204   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.01   24.47   0.200   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.34   0.272   33.01   -8.81  SOMHZ   26800   2-70   11/76   27.04   24.50   0.282   33.01   -8.81  SOMHZ   26800   2-70   11/50   26.80   24.80   0.282   33.01   -8.81  SOMHZ   26800   2-70   11/50   26.80   24.80   0.282   33.01   -8.81  SOMHZ   26800   2-70   11/50   26.80   24.80   0.282   33.01   -8.81  S		π/2 BPSK							33.01	
20 MHz										
16-QAM										
16-CAM	20 MHz	QPSK								
Be-CAMM   26800   2-70										
10 MHz										
## 10 MHz  ## 17 BPSK  ## 28930										
30 MHz    10 MHz   10		256-QAM								
10 MHz										
30 MHz  OPSK   25910   2-270   11/76   25.10   23.40   0.219   33.01   4-81    OPSK   25930   2-270   11/39   27/13   24.41   0.272   33.01   4-87    16-QAM   25950   2-270   11/76   25.67   23.87   0.224   33.01   4-87    64-QAM   25930   2-270   11/76   24.94   22.24   0.168   33.01   1-107    259-QAM   25950   2-270   11/76   24.94   22.24   0.168   33.01   1-107    259-QAM   25950   2-270   11/76   24.94   22.24   0.168   33.01   1-125    259-QAM   25950   2-270   11/76   24.94   22.24   0.168   33.01   1-125    259-QAM   25950   2-270   11/10   27.20   24.50   0.222   33.01   4-87    25950   2-270   11/53   28.49   23.79   0.239   33.01   4-87    25950   2-270   11/53   28.94   24.24   0.255   33.01   4-87    25950   2-270   11/53   25.89   23.19   0.205   33.01   4-87    2596-QAM   25950   2-270   11/53   26.69   23.90   0.255   33.01   4-87    2596-QAM   25950   2-270   11/53   26.69   23.90   0.255   33.01   4-87    2596-QAM   25950   2-270   11/53   26.69   23.90   0.255   33.01   4-87    2596-QAM   25950   2-270   11/65   24.75   24.95   0.205   33.01   4-87    2596-QAM   25950   2-270   11/65   24.75   24.95   0.256   33.01   4-87    2596-QAM   25950   2-270   11/65   24.75   24.95   0.256   33.01   4-87    2596-QAM   25950   2-270   11/66   26.53   23.95   0.254   33.01   4-87    2596-QAM   25950   2-270   11/66   26.53   23.95   0.254   33.01   4-98    2596-QAM   25950   2-270   11/66   26.63   23.93   0.277   33.01   4-98    2596-QAM   25950   2-270   11/66   26.43   23.93   0.247   33.01   4-98    2596-QAM   25960   2-270   11/66   26.43   23.93   0.247   33.01   4-98    2596-QAM   25960   2-270   11/66   24.74   22.04   0.160   33.01   4.98    2596-QAM   25960   2-270   11/66   24.94   22.04   0.160   33.01   4.98    2596-QAM   25960   2-270   11/66   26.63   23.93   0.247   33.01   4.98    2596-QAM   25960   2-270   11/68   24.94   22.91   0.168   33.01   4.98    2596-QAM   25960   2-270   11/68   24.94   22.91   0.168   33.01   4.98    2596-QAM   25960   2-270   11/68   25.44   22.24   0.179		π/2 BPSK								
OPSILITION   1989   2713   2443   0.278   3301   4-85										
16-QAM	20 8411-	onov.								
18-OAM   2075.0   -270   17:39   26:57   23.87   0.244   33.01   -9.15	30 MHZ	QPSK								
64-0AM   2590.0   -2.70   11.76   24.94   22.24   0.188   33.01   10.77		16 OAM								
286-0AM 2075 0 -270 11/76 2276 2006 0.192 3301 -1295  ### 128PSK 2590 0 -270 11/53 26.94 2379 0.292 3301 -8.51  ### 270 0 -270 11/53 26.94 24.94 0.265 3301 -8.51  ### 270 0 -270 11/53 26.94 24.94 0.265 3301 -8.51  ### 270 0 -270 11/53 26.94 24.96 0.262 3301 -8.51  ### 270 0 -270 11/53 27.99 24.96 0.282 3301 -8.52  ### 270 0 -270 11/53 27.99 24.96 0.281 3301 -8.52  ### 270 0 -270 11/53 27.99 24.96 0.281 3301 -8.52  ### 270 0 -270 11/53 27.99 24.99 0.281 3301 -8.52  ### 270 0 -270 11/53 27.99 24.99 0.281 3301 -8.52  ### 270 0 -270 11/53 27.99 24.99 0.281 3301 -8.52  ### 285 0 -270 11/53 27.99 24.99 0.281 3301 -8.52  ### 285 0 -270 11/53 27.99 24.99 0.281 3301 -9.99  ### 285 0 -270 11/53 27.99 24.99 0.281 3301 -9.99  ### 285 0 -270 11/63 27.00 24.59 0.282 3301 -8.94  ### 285 0 -270 11/68 27.00 24.59 0.282 3301 -8.94  ### 285 0 -270 11/68 27.00 24.59 0.282 3301 -8.96  ### 285 0 -270 11/68 25.24 25.90 0.254 3301 -9.98  ### 285 0 -270 11/68 25.24 25.90 0.254 3301 -9.08  ### 285 0 -270 11/68 26.00 23.32 25.90 3301 -9.08  ### 285 0 -270 11/68 26.00 23.32 25.90 3301 -9.08  ### 285 0 -270 11/68 24.74 20.40 0.100 3301 -1.097  ### 286 0 -270 11/68 24.74 20.40 0.100 3301 -1.097  ### 286 0 -270 11/68 24.74 20.40 0.100 3301 -1.097  ### 286 0 -270 11/68 24.39 21.99 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.99 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.99 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.99 0.044 3301 -1.097  ### 286 0 -270 11/68 24.37 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21.90 0.044 3301 -1.097  ### 286 0 -270 11/68 24.39 21										
## 28160   -2.70   1/153   26.48   23.79   0.239   33.01   -9.22   2670.0   -2.70   1/153   26.48   23.79   0.239   33.01   -9.22   2670.0   -2.70   1/153   26.44   24.24   0.265   33.01   -9.22   2670.0   -2.70   1/153   26.44   24.24   0.265   33.01   -9.22   2670.0   -2.70   1/153   26.78   24.08   0.256   33.01   -9.22   2670.0   -2.70   1/153   26.78   24.08   0.256   33.01   -9.22   2670.0   -2.70   1/153   26.78   24.08   0.256   33.01   -9.22   270.0   -2.70   1/153   26.60   23.90   0.245   33.01   -9.12   286-CAM   2693.0   -2.70   1/153   22.59   19.89   0.097   33.01   -19.13   286-CAM   2693.0   -2.70   1/153   22.59   19.89   0.097   33.01   -19.13   286-CAM   2693.0   -2.70   1/153   22.59   19.89   0.097   33.01   -19.13   286-CAM   2693.0   -2.70   1/166   27.70   24.50   0.242   33.01   -8.51   286-CAM   2693.0   -2.70   1/166   27.70   24.50   0.242   33.01   -8.51   286-CAM   2693.0   -2.70   1/166   27.70   24.50   0.242   33.01   -8.51   286-CAM   2693.0   -2.70   1/166   26.57   24.50   0.244   33.01   -8.61   286-CAM   2693.0   -2.70   1/166   26.52   23.33   0.247   33.01   -10.47   286-CAM   2693.0   -2.70   1/166   26.63   23.33   0.247   33.01   -0.66   286-CAM   2693.0   -2.70   1/166   26.63   23.33   0.247   33.01   -0.66   286-CAM   2693.0   -2.70   1/166   26.63   23.23   0.255   33.01   -0.66   286-CAM   2693.0   -2.70   1/166   26.63   23.23   0.255   33.01   -0.66   286-CAM   2693.0   -2.70   1/166   24.74   22.74   10.60   33.01   -1.13   286-CAM   2693.0   -2.70   1/166   24.74   22.74   10.60   33.01   -1.13   286-CAM   2693.0   -2.70   1/166   24.74   22.77   1.66   24.74   22.74   1.66   286-CAM   2693.0   -2.70   1/166   24.74   22.77   22.04   1.60   33.01   -1.13   286-CAM   2693.0   -2.70   1/166   24.74   22.77   22.78   33.01   -0.66   286-CAM   2693.0   -2.70   1/166   24.74   22.77   22.78   33.01   -0.66   286-CAM   2693.0   -2.70   1/160   26.63   23.78   0.29   33.01   -0.66   286-CAM   2693.0   -2.70   1/160   26.63   23.78   0.29   33.01   -0.66   286-CAM										
## 10 MHz ## 10		230-QAIVI			-					
### 10 MHz  ### 10		#/2 BDSK								
40 MHz		II/2 BF3K								
40 MHz										
16-CAM   2670.0   -2.70   11/53   27.19   24.49   0.281   33.01   -8.52	40 MHz	OBSK								
16-OAM   2870.0   -2.70	40 WINZ	Qr'ON								
64-AM   2593.0   -2.70		16-OAM								
### 255-QAM ### 2593.0										
SO MHZ										
MILE   100		200 QAIVI								
265.60   2.70		π/2 BPSK								
SO MHz		III DI GIC								
Design   Proceed   Process   Proce										
18-QAM   2591.0   -2.70   1/166   26.02   23.32   0.215   33.01   -9.69	50 MHz	QPSK								
16-QAM	00 111112	Q, OK								
64-CAM 2565.0 -2.70 1 / 1 / 6 24.39 21.69 0.148 33.01 -11.32   256-CAM 2665.0 -2.70 1 / 166 22.42 19.72 0.094 33.01 -13.29    ## 285-CAM 2665.0 -2.70 1 / 160 26.48 23.76 0.239 33.01 -8.23   ## 285-CAM 2660.0 -2.70 1 / 161 26.85 24.15 0.280 33.01 -8.23   256.0 -2.70 1 / 161 26.85 24.15 0.280 33.01 -8.26   2526.0 -2.70 1 / 161 26.85 24.15 0.280 33.01 -8.26   2526.0 -2.70 1 / 161 26.47 23.77 0.238 33.01 -8.26   2680.0 -2.70 1 / 161 26.47 23.77 0.238 33.01 -9.24   2680.0 -2.70 1 / 161 26.47 23.77 0.238 33.01 -9.26   2680.0 -2.70 1 / 161 26.47 23.77 0.235 33.01 -9.26   2680.0 -2.70 1 / 161 26.47 23.77 0.235 33.01 -9.30   16-CAM 2593.0 -2.70 1 / 161 26.47 23.77 0.235 33.01 -9.30   258-CAM 2680.0 -2.70 1 / 161 26.67 21.97 0.157 33.01 -11.04   258-CAM 2680.0 -2.70 1 / 161 22.69 18.99 0.100 33.01 -11.02   258-CAM 2680.0 -2.70 1 / 161 22.69 18.99 0.245 33.01 -8.73   258.10 -2.70 1 / 17 26.59 23.89 0.245 33.01 -8.73   258.10 -2.70 1 / 190 26.79 24.50 0.282 33.01 -8.73   258.10 -2.70 1 / 190 26.79 24.50 0.282 33.01 -8.73   258.10 -2.70 1 / 17 26.88 23.99 0.255 33.01 -9.03   16-CAM 2655.0 -2.70 1 / 17 26.88 23.99 0.255 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 26.88 23.99 0.255 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 26.88 23.99 0.255 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 26.88 23.99 0.255 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 26.88 23.50 0.250 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 26.88 22.18 0.164 33.01 1.085   258-CAM 2655.0 -2.70 1 / 17 26.88 22.18 0.184 33.01 1.085   258-CAM 2655.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -8.51   258-CAM 2655.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -8.61   258-CAM 2655.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -9.03   258-CAM 2655.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -9.03   258-CAM 2593.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -9.03   258-CAM 2593.0 -2.70 1 / 17 27 20 24.59 0.282 33.01 -9.03   258-CAM 2593.0 -2.70 1 / 17 22 26.63 23.93 0.274 33.01 -9.08   258-CAM 2593.0 -2.70 1 / 17 22 26.63 23.93 0.274 33.01 -9.08   25		16-QAM								
### 266-QAM   2665.0   -2.70										
### 172 BPSK   2583.0   -2.70										
### BPSK   2593.0   -2.70		200 00 1111								
2660 0		π/2 BPSK								
Color   Col										
Color   Colo										
16-QAM	60 MHz	QPSK	2593.0	-2.70	1 / 81	26.47	23.77	0.238	33.01	-9.24
64-QAM   2593.0   -2.70   1 / 81   24.67   21.97   0.157   33.01   -11.04			2660.0	-2.70	1/1	26.41	23.71	0.235	33.01	-9.30
70 MHz    256-QAM   2660.0   -2.70   1 / 81   22.69   19.99   0.100   33.01   -13.02		16-QAM	2593.0	-2.70	1 / 81	26.13	23.43	0.220	33.01	-9.58
70 MHz    To MHz   2531.0   -2.70   1 / 1   26.59   23.89   0.245   33.01   -9.12		64-QAM	2593.0	-2.70	1 / 81	24.67	21.97	0.157	33.01	-11.04
70 MHz    70 MHz   70		256-QAM	2660.0	-2.70	1 / 81	22.69	19.99	0.100	33.01	-13.02
70 MHz  Property			2531.0	-2.70	1/1	26.59	23.89	0.245	33.01	-9.12
70 MHz  QPSK  2593.0 -2.70 1/90 25.43 22.73 0.187 33.01 -10.28  2595.0 -2.70 1/90 26.79 24.09 0.257 33.01 -8.92  16-QAM 2655.0 -2.70 1/11 26.23 23.53 0.225 33.01 -9.48  64-QAM 2655.0 -2.70 1/11 24.86 22.16 0.164 33.01 -10.85  256-QAM 2655.0 -2.70 1/11 24.86 22.16 0.164 33.01 -10.85  256-QAM 2655.0 -2.70 1/11 22.84 20.14 0.103 33.01 -12.87  17/2 BPSK 2593.0 -2.70 1/108 26.52 23.82 0.241 33.01 -8.51  2538.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.51  2538.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.51  2593.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 25.21 22.51 0.178 33.01 -8.70  2650.0 -2.70 1/108 26.86 24.16 0.232 33.01 -8.70  464-QAM 2593.0 -2.70 1/108 26.36 23.66 0.232 33.01 -9.36  64-QAM 2593.0 -2.70 1/108 26.36 23.66 0.232 33.01 -9.86  255-QAM 2593.0 -2.70 1/108 26.87 23.87 0.244 33.01 -10.88  255-QAM 2593.0 -2.70 1/122 27.08 24.38 0.274 33.01 -8.63  264.0 -2.70 1/122 27.08 24.38 0.274 33.01 -8.63  264.0 -2.70 1/122 27.08 24.38 0.274 33.01 -8.63  64-QAM 2593.0 -2.70 1/122 27.08 24.38 0.274 33.01 -9.08  264.0 -2.70 1/122 27.08 24.38 0.274 33.01 -9.08  264.0 -2.70 1/122 27.08 24.38 0.274 33.01 -9.08  264.0 -2.70 1/122 27.08 24.38 0.274 33.01 -9.08  264.0 -2.70 1/122 27.08 24.39 0.282 33.01 -9.43  64-QAM 2593.0 -2.70 1/122 26.28 23.58 0.228 33.01 -9.43  64-QAM 2593.0 -2.70 1/122 26.63 23.93 0.247 33.01 -9.65  2645.0 -2.70 1/122 26.63 23.93 0.247 33.01 -9.65  2640.0 -2.70 1/122 26.65 23.95 0.248 33.01 -9.65  2640.0 -2.70 1/124 24.72 22.02 0.159 33.01 -9.65  2640.0 -2.70 1/136 26.93 24.23 0.265 33.01 -9.65  2640.0 -2.70 1/136 26.93 24.23 0.265 33.01 -9.65  2640.0 -2.70 1/136 26.95 23.95 0.248 33.01 -8.51  100 MHz  40 PSK 2593.0 -2.70 1/136 26.99 23.49 0.223 33.01 -8.51  64-QAM 2593.0 -2.70 1/136 26.99 23.49 0.223 33.01 -8.51  64-QAM 2593.0 -2.70 1/13		π/2 BPSK	2593.0	-2.70	1/1	26.98	24.28	0.268	33.01	-8.73
Page			2655.0	-2.70	1/1	27.20	24.50	0.282	33.01	-8.51
16-QAM   2655.0   -2.70   1 / 1   26.68   23.98   0.250   33.01   -9.03     16-QAM   2655.0   -2.70   1 / 1   26.23   23.53   0.225   33.01   -9.48     64-QAM   2655.0   -2.70   1 / 1   24.86   22.16   0.164   33.01   -10.85     256-QAM   2655.0   -2.70   1 / 1   22.84   20.14   0.103   33.01   -12.87			2531.0	-2.70	1 / 90	25.43	22.73	0.187	33.01	-10.28
16-QAM   2655.0   -2.70   1 / 1   26.23   23.53   0.225   33.01   -9.48	70 MHz	QPSK	2593.0	-2.70	1 / 90	26.79	24.09	0.257	33.01	-8.92
B4-QAM   2655.0   -2.70   1 / 1   24.86   22.16   0.164   33.01   -10.85			2655.0	-2.70	1/1	26.68	23.98	0.250	33.01	-9.03
100 MHz   256-QAM   2655.0   -2.70   1 / 1   22.84   20.14   0.103   33.01   -12.87		16-QAM	2655.0	-2.70	1/1	26.23	23.53	0.225	33.01	-9.48
80 MHz    Ti/2 BPSK   2598.0   -2.70   1/108   26.52   23.82   0.241   33.01   -9.19		64-QAM	2655.0	-2.70		24.86	22.16	0.164	33.01	-10.85
No.   Page 201   Page 202   Pag		256-QAM	2655.0	-2.70		22.84	20.14	0.103	33.01	-12.87
Page	80 MHz		2536.0				23.82		33.01	
90 MHz  QPSK  QPSK  QPSS  QPS			2593.0				24.38			
Page										
90 MHz    16-QAM   2593.0   -2.70   1/108   26.86   24.16   0.261   33.01   -8.85     16-QAM   2593.0   -2.70   1/108   26.36   23.66   0.232   33.01   -9.36     64-QAM   2593.0   -2.70   1/108   24.83   22.13   0.163   33.01   -10.88     256-QAM   2593.0   -2.70   1/108   22.83   20.13   0.103   33.01   -12.88										
90 MHz  16-QAM 2593.0 2593.0 2-7.0 1/108 24.83 22.13 0.163 33.01 1-9.36 256-QAM 2593.0 2593.0 2-7.0 1/108 22.83 20.13 0.103 33.01 1-10.88 256-QAM 2593.0 2541.0 2-7.0 1/123 26.57 23.87 0.244 33.01 -9.14 2593.0 2645.0 2-7.0 1/122 27.07 24.37 0.273 33.01 -8.64 2541.0 2-7.0 1/122 27.07 24.37 0.273 33.01 -8.64 2541.0 2-7.0 1/122 25.25 25.55 0.180 33.01 -9.08 2645.0 2-7.0 1/122 25.25 25.55 0.180 33.01 -9.08 2645.0 2645.0 2-7.0 1/122 26.63 23.93 0.247 33.01 -9.08 2645.0 2645.0 1-10.46 2593.0 2-7.0 1/122 26.63 23.93 0.247 33.01 -9.08 264-QAM 2645.0 2-7.0 1/122 26.83 23.58 0.228 33.01 -8.51 16-QAM 2693.0 2-7.0 1/122 27.7 1/12 20.2 24.50 0.282 33.01 -9.08 264-QAM 2645.0 2-7.0 1/12 22.75 20.05 0.101 33.01 -10.99 256-QAM 2593.0 2-7.0 1/121 26.61 23.91 0.246 33.01 -9.10 17/2 BPSK 2593.0 2-7.0 1/271 26.61 23.91 0.246 33.01 -8.78 2640.0 2-7.0 1/271 26.61 23.91 0.248 33.01 -8.78 2640.0 2-7.0 1/271 27.0 24.32 0.270 33.01 -8.78 2640.0 2-7.0 1/136 26.93 24.23 0.270 33.01 -8.78 2640.0 2640.0 2-7.0 1/136 26.65 23.95 0.248 33.01 -8.78 2640.0 2640.0 2-7.0 1/136 26.65 23.95 0.248 33.01 -8.78 2640.0 2640.0 2-7.0 1/136 26.65 23.95 0.248 33.01 -8.51 16-QAM 2693.0 2-7.0 1/136 26.65 23.95 0.248 33.01 -8.51 16-QAM 2690.0 2-7.0 1/136 26.69 23.49 0.223 33.01 -8.51 16-QAM 2690.0 2-7.0 1/136 26.69 23.49 0.223 33.01 -8.51 16-QAM 2690.0 2-7.0 1/136 26.69 23.49 0.223 33.01 -8.51 16-QAM 2690.0 2-7.0 1/136 26.69 23.49 0.223 33.01 -8.51 16-QAM 2690.0 2-7.0 1/136 26.69 23.49 0.223 33.01 -8.51		QPSK								
90 MHz    Page 256-QAM   2593.0   -2.70   1/108   24.83   22.13   0.163   33.01   -10.88										
90 MHz    100 MHz   256-QAM   2593.0   -2.70   1/108   22.83   20.13   0.103   33.01   -12.88										
90 MHz    100 MHz   Posk   2591.0   -2.70   1/243   26.57   23.87   0.244   33.01   -9.14   25.85   26.50   -2.70   1/122   27.08   24.38   0.274   33.01   -8.63   26.50   -2.70   1/122   27.07   24.37   0.273   33.01   -8.64   25.51   0.25   25.55   22.55   0.180   33.01   -10.46   25.51   0.270   1/122   25.25   22.55   0.180   33.01   -10.46   25.51   0.270   1/122   26.63   23.93   0.247   33.01   -9.08   26.50   -2.70   1/12   26.63   23.93   0.247   33.01   -9.08   26.50   -2.70   1/12   26.28   23.58   0.228   33.01   -8.51   25.55   25.										
90 MHz  PO MHz		256-QAM								
90 MHz  QPSK  QPSK  2591.0 -2.70 1/122 27.07 24.37 0.273 33.01 -8.64  2593.0 -2.70 1/122 25.25 22.55 0.180 33.01 -10.46  2695.0 -2.70 1/122 26.63 23.93 0.247 33.01 -9.08  2645.0 -2.70 1/12 26.63 23.93 0.247 33.01 -8.51  16-QAM 2593.0 -2.70 1/12 26.28 23.58 0.228 33.01 -8.51  16-QAM 2645.0 -2.70 1/12 26.28 23.58 0.228 33.01 -9.43  256-QAM 2593.0 -2.70 1/122 22.75 20.05 0.101 33.01 -10.99  256-QAM 2593.0 -2.70 1/271 26.61 23.91 0.246 33.01 -9.10  17/2 BPSK 2593.0 -2.70 1/36 26.93 24.23 0.265 33.01 -8.78  2640.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.78  2640.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.69  2546.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.69  2546.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.69  2546.0 -2.70 1/316 26.65 23.95 0.248 33.01 -9.06  2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -8.51  16-QAM 2593.0 -2.70 1/136 26.19 23.49 0.223 33.01 -8.51  16-QAM 2593.0 -2.70 1/136 26.19 23.49 0.223 33.01 -8.51  16-QAM 2593.0 -2.70 1/136 22.49 19.79 0.095 33.01 -10.95  259-QAM 2593.0 -2.70 1/136 22.49 19.79 0.095 33.01 -10.95	90 MHz									
90 MHz  QPSK 2593.0 -2.70 1/122 25.25 22.55 0.180 33.01 -10.46 2695.0 -2.70 1/122 26.63 23.93 0.247 33.01 -9.08 16-QAM 2593.0 -2.70 1/12 26.28 23.58 0.228 33.01 -9.43 64-QAM 2645.0 -2.70 1/12 26.28 23.58 0.228 33.01 -9.43 64-QAM 2645.0 -2.70 1/122 26.28 23.58 0.228 33.01 -9.43 2593.0 -2.70 1/122 27.5 20.05 0.101 33.01 -10.99 256-QAM 2593.0 -2.70 1/122 22.75 20.05 0.101 33.01 -12.96 2546.0 -2.70 1/271 26.61 23.91 0.246 33.01 -9.10 2593.0 -2.70 1/136 26.93 24.23 0.265 33.01 -8.78 2640.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.78 2640.0 -2.70 1/271 25.18 22.48 0.177 33.01 -10.53 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.06 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.06 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.06 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.06 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.52 2640.0 22.70 1/136 26.65 23.95 0.248 33.01 -9.52 2640.0 22.70 1/13 27.20 24.50 0.282 33.01 -9.52 2640.0 22.70 1/13 24.76 22.06 0.161 33.01 -10.95 264-QAM 2640.0 -2.70 1/14 24.76 22.06 0.161 33.01 -10.95 256-QAM 2593.0 -2.70 1/136 22.49 19.79 0.095 33.01 -13.22		π/2 BPSK								
90 MHz QPSK 2593.0 -2.70 1/122 26.63 23.93 0.247 33.01 -9.08 2645.0 -2.70 1/1 27.20 24.50 0.282 33.01 -8.51 16-QAM 2593.0 -2.70 1/122 26.28 23.58 0.228 33.01 -9.43 64-QAM 2645.0 -2.70 1/12 26.28 23.58 0.228 33.01 -10.99 256-QAM 2593.0 -2.70 1/12 22.75 20.05 0.101 33.01 -10.99 256-QAM 2593.0 -2.70 1/122 22.75 20.05 0.101 33.01 -12.96 256.0 -2.70 1/271 26.61 23.91 0.246 33.01 -9.10 2564.0 -2.70 1/271 26.61 23.91 0.246 33.01 -9.10 2564.0 -2.70 1/271 27.02 24.32 0.255 33.01 -8.78 2640.0 -2.70 1/271 27.02 24.32 0.270 33.01 -8.78 2564.0 1-2.70 1/271 25.18 22.48 0.177 33.01 -10.53 256-QAM 2593.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.06 2640.0 -2.70 1/136 26.65 23.95 0.248 33.01 -9.66 2640.0 2-70 1/136 26.65 23.95 0.248 33.01 -8.51 16-QAM 2593.0 -2.70 1/136 26.69 23.49 0.223 33.01 -8.51 64-QAM 2593.0 -2.70 1/13 27.20 24.50 0.282 33.01 -8.51 64-QAM 2593.0 -2.70 1/13 24.76 22.06 0.161 33.01 -10.95 256-QAM 2593.0 -2.70 1/13 22.49 19.79 0.095 33.01 -13.22										
16-QAM   2593.0   -2.70   1/1   27.20   24.50   0.282   33.01   -8.51										
16-QAM		QPSK								
100 MHz   16-QAM   2645.0   -2.70   1 / 1   24.72   22.02   0.159   33.01   -10.99   258-QAM   2593.0   -2.70   1 / 122   22.75   20.05   0.101   33.01   -12.96   258.0   -2.70   1 / 271   26.61   23.91   0.246   33.01   -9.10   258.0   -2.70   1 / 271   26.61   23.91   0.246   33.01   -8.78   2583.0   -2.70   1 / 136   26.93   24.23   0.265   33.01   -8.78   2640.0   -2.70   1 / 271   27.02   24.32   0.270   33.01   -8.69   2546.0   -2.70   1 / 271   25.18   24.48   0.177   33.01   -10.53   25.60   25.		42.200								
100 MHz   258-QAM   2593.0   -2.70   1/122   22.75   20.05   0.101   33.01   -12.96										
100 MHz   2546.0   -2.70   1/271   26.61   23.91   0.246   33.01   -9.10   2593.0   -2.70   1/136   26.93   24.23   0.265   33.01   -8.78   2640.0   -2.70   1/271   27.02   24.32   0.270   33.01   -8.69   2546.0   -2.70   1/271   25.18   22.48   0.177   33.01   -10.53   25.93   25.93   2.270   1/136   26.65   23.95   0.248   33.01   -9.06   25.93   26.90   -2.70   1/136   26.65   23.95   0.248   33.01   -9.06   26.90   27.00										
100 MHz		256-QAM								
100 MHz    2840.0   -2.70   1/271   27.02   24.32   0.270   33.01   -8.69										
100 MHz		π/2 BPSK								
100 MHz         QPSK         2593.0         -2.70         1/136         26.65         23.95         0.248         33.01         -9.06           2640.0         -2.70         1/1         27.20         24.50         0.282         33.01         -8.51           16-QAM         2593.0         -2.70         1/136         26.19         23.49         0.223         33.01         -9.52           64-QAM         2640.0         -2.70         1/1         24.76         22.06         0.161         33.01         -10.95           256-QAM         2593.0         -2.70         1/136         22.49         19.79         0.095         33.01         -13.22										
2640.0     -2.70     1 / 1     27.20     24.50     0.282     33.01     -8.51       16-QAM     2593.0     -2.70     1 / 136     26.19     23.49     0.223     33.01     -9.52       64-QAM     2640.0     -2.70     1 / 1     24.76     22.06     0.161     33.01     -10.95       256-QAM     2593.0     -2.70     1 / 136     22.49     19.79     0.095     33.01     -13.22	400 1411	0.000								
16-QAM     2593.0     -2.70     1 / 136     26.19     23.49     0.223     33.01     -9.52       64-QAM     2640.0     -2.70     1 / 1     24.76     22.06     0.161     33.01     -10.95       256-QAM     2593.0     -2.70     1 / 136     22.49     19.79     0.095     33.01     -13.22	100 MHz	QPSK								
64-QAM         2640.0         -2.70         1 / 1         24.76         22.06         0.161         33.01         -10.95           256-QAM         2593.0         -2.70         1 / 136         22.49         19.79         0.095         33.01         -13.22		16.0484								
256-QAM 2593.0 -2.70 1 / 136 22.49 19.79 0.095 33.01 -13.22										
										-13.22

Table 7-31. Antenna 3 EIRP Data (NR Band n41 PC2)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 208 of 274	
1C2205090025-04-R2.BCG	6/1/2022 - 9/12/2022	Tablet Device		