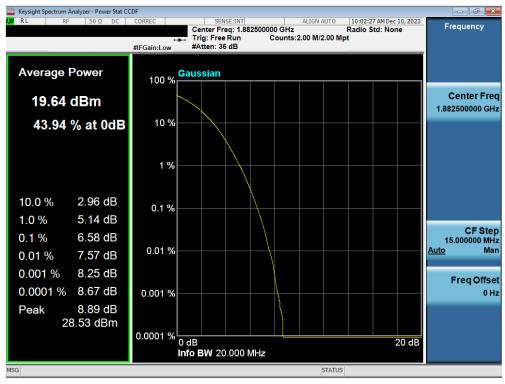


Plot 7-215. PAR Plot (LTE Band 25 - 20MHz 64-QAM - Full RB Configuration)

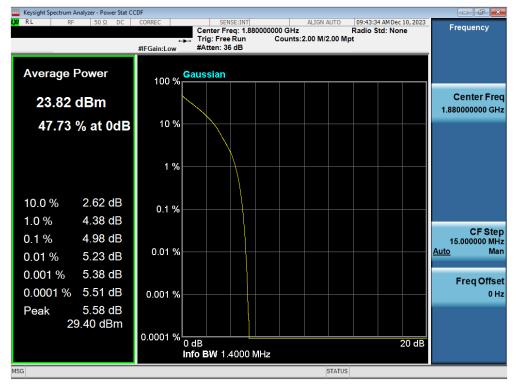


Plot 7-216. PAR Plot (LTE Band 25 - 20MHz 256-QAM - Full RB Configuration)

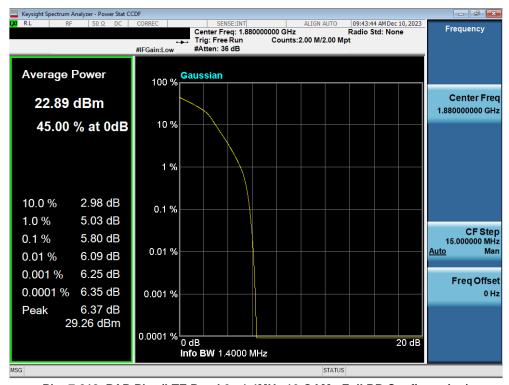
FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## LTE Band 2



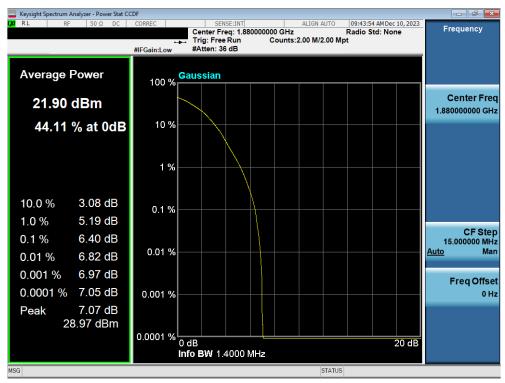
Plot 7-217. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-218. PAR Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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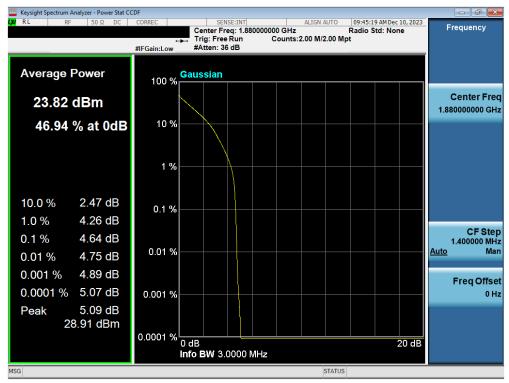
Plot 7-219. PAR Plot (LTE Band 2 - 1.4MHz 64-QAM - Full RB Configuration)



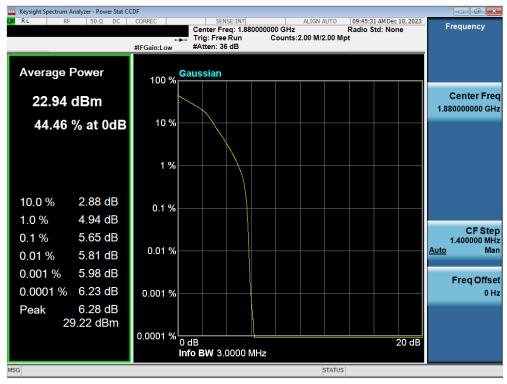
Plot 7-220. PAR Plot (LTE Band 2 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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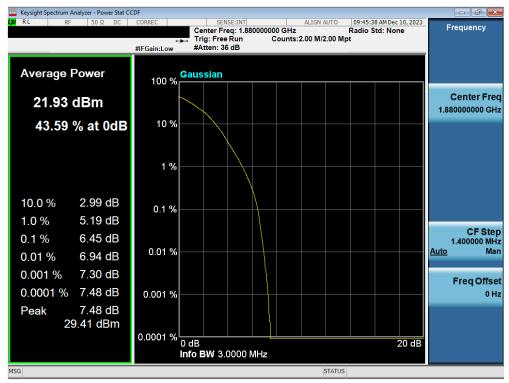
Plot 7-221. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)



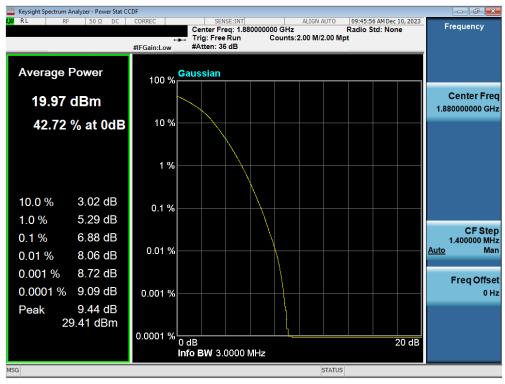
Plot 7-222. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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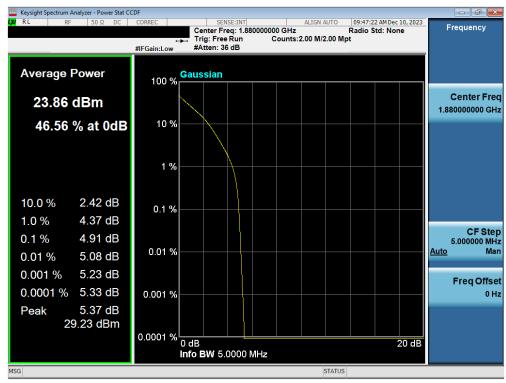
Plot 7-223. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB Configuration)



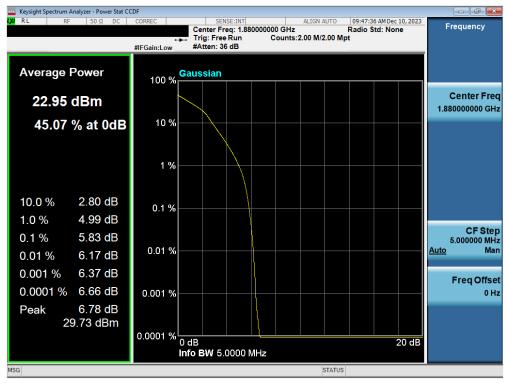
Plot 7-224. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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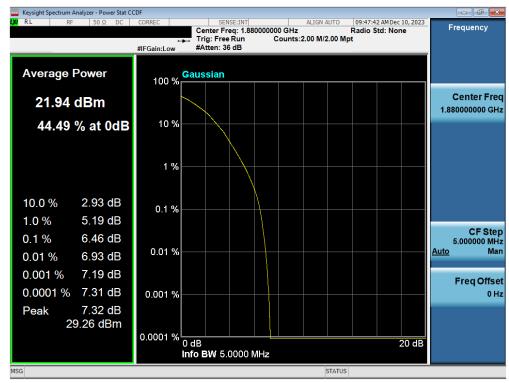
Plot 7-225. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB Configuration)



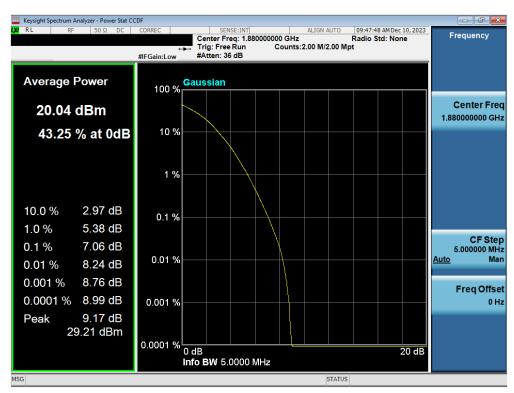
Plot 7-226. PAR Plot (LTE Band 2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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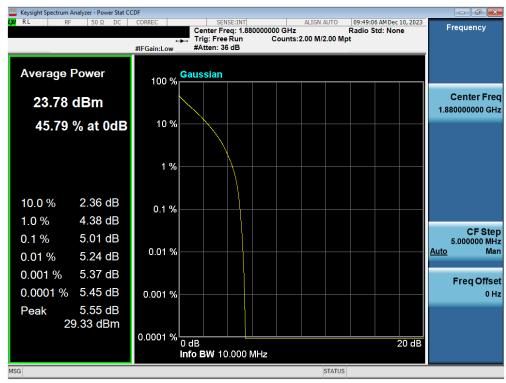
Plot 7-227. PAR Plot (LTE Band 2 - 5MHz 64-QAM - Full RB Configuration)



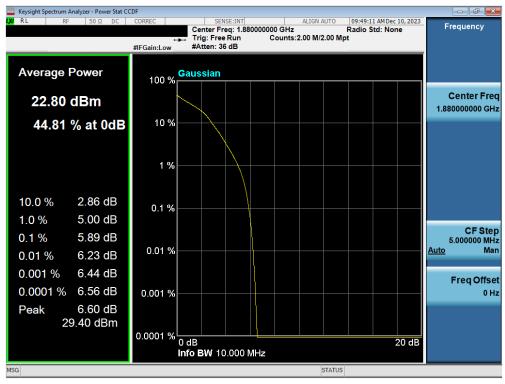
Plot 7-228. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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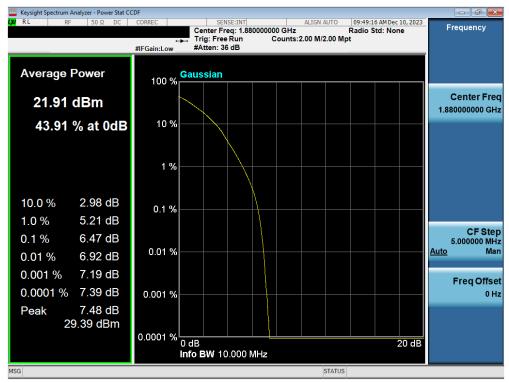
Plot 7-229. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)



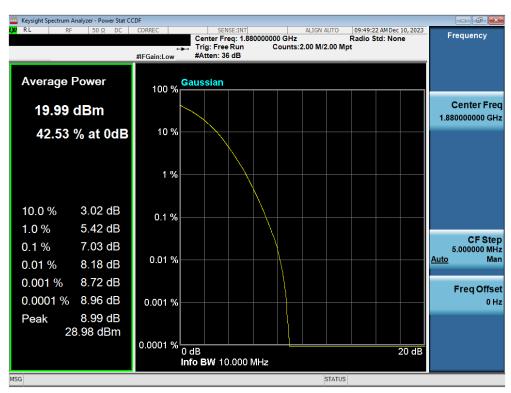
Plot 7-230. PAR Plot (LTE Band 2 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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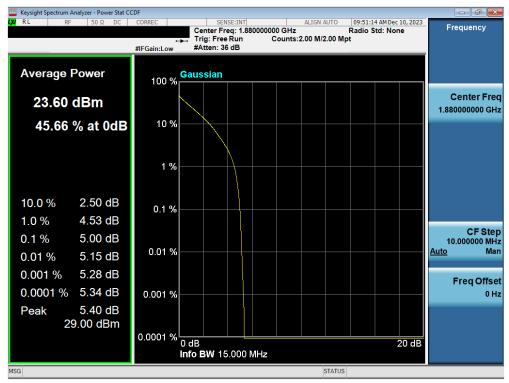
Plot 7-231. PAR Plot (LTE Band 2 - 10MHz 64-QAM - Full RB Configuration)



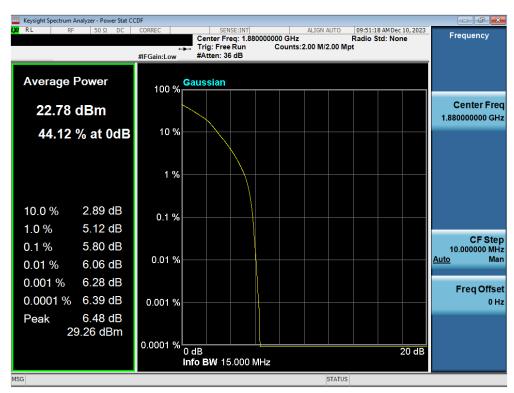
Plot 7-232. PAR Plot (LTE Band 2 - 10MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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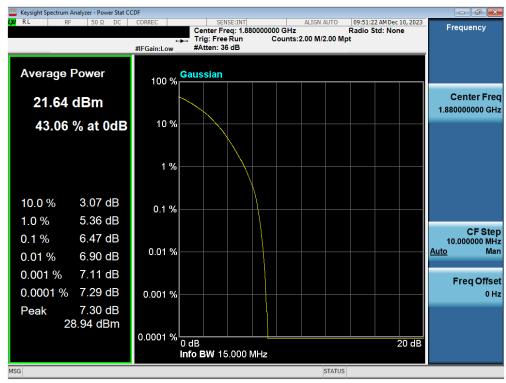
Plot 7-233. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB Configuration)



Plot 7-234. PAR Plot (LTE Band 2 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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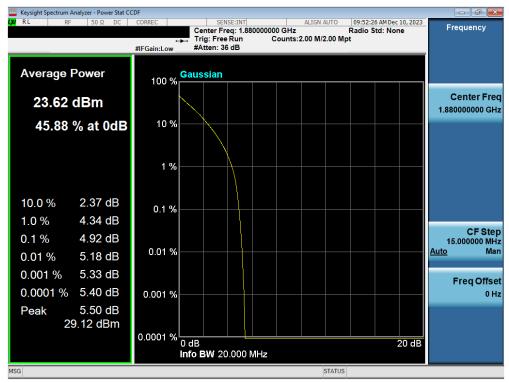
Plot 7-235. PAR Plot (LTE Band 2 - 15MHz 64-QAM - Full RB Configuration)



Plot 7-236. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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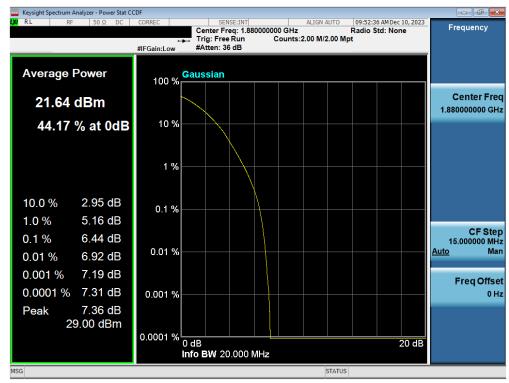
Plot 7-237. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB Configuration)



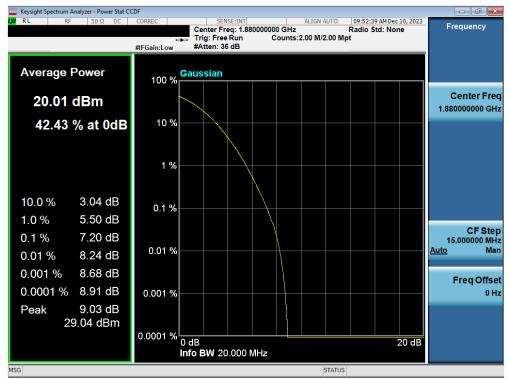
Plot 7-238. PAR Plot (LTE Band 2 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-239. PAR Plot (LTE Band 2 - 20MHz 64-QAM - Full RB Configuration)

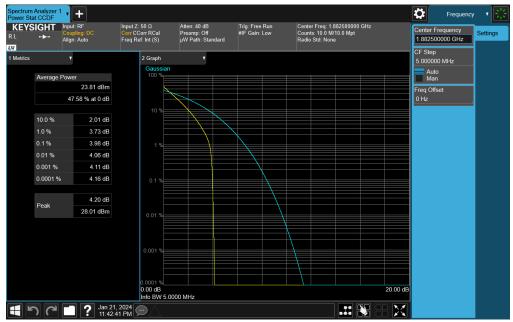


Plot 7-240. PAR Plot (LTE Band 2 - 20MHz 256-QAM - Full RB Configuration)

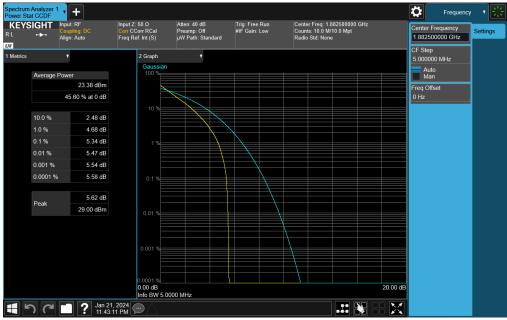
FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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## NR Band n25



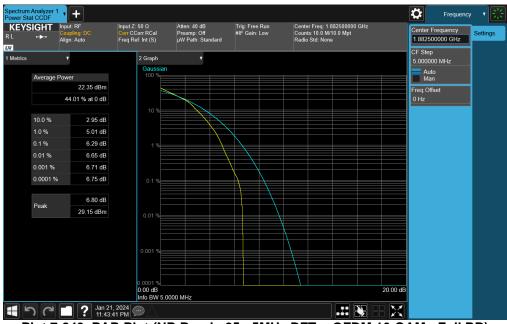
Plot 7-241. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM π/2 BPSK - Full RB)



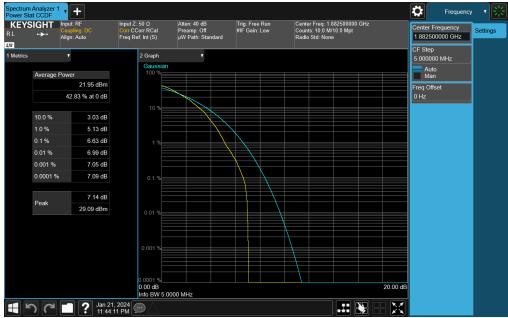
Plot 7-242. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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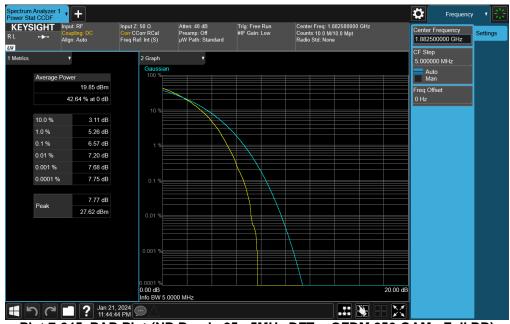
Plot 7-243. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM 16-QAM - Full RB)



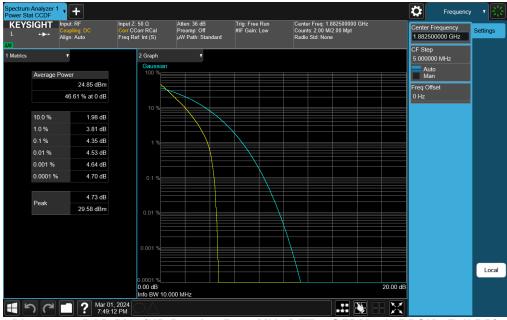
Plot 7-244. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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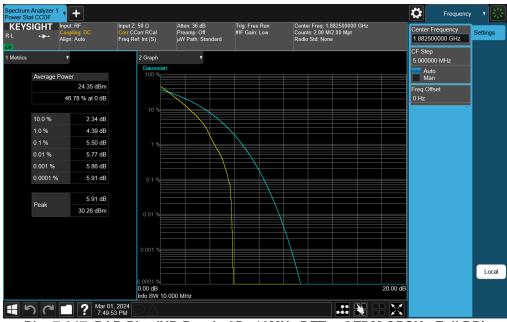
Plot 7-245. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM 256-QAM - Full RB)



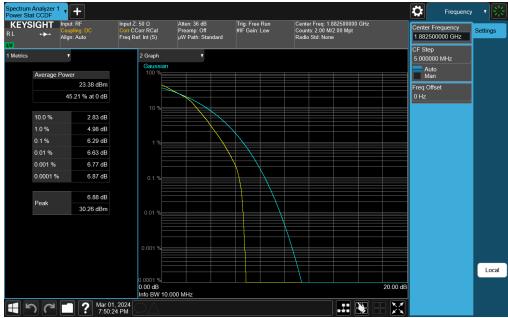
Plot 7-246. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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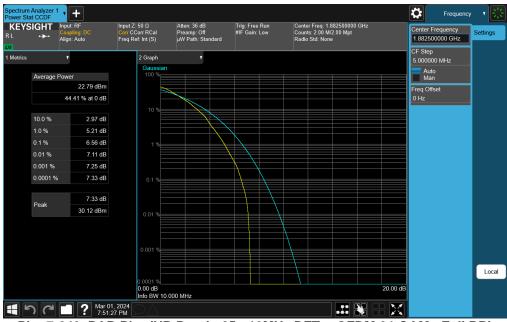
Plot 7-247. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM QPSK - Full RB)



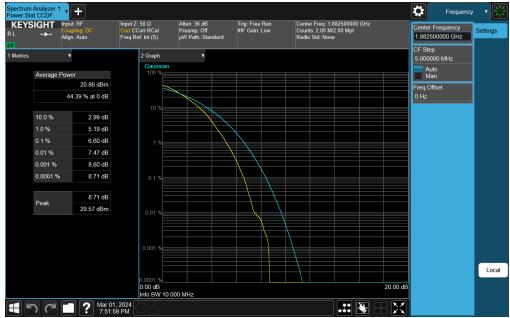
Plot 7-248. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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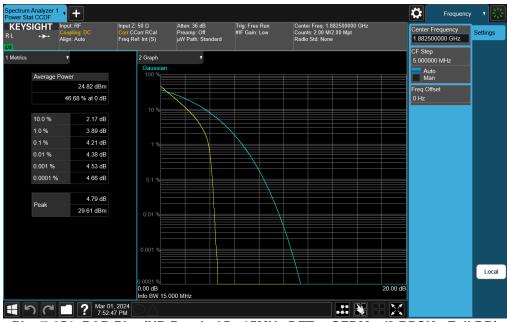
Plot 7-249. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM 64-QAM - Full RB)



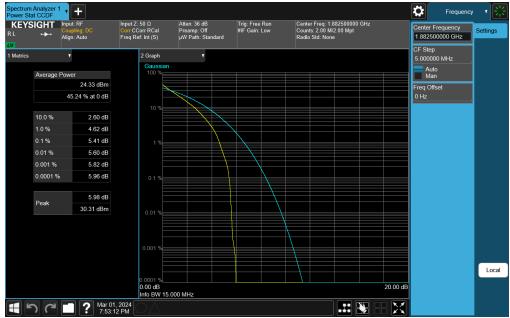
Plot 7-250. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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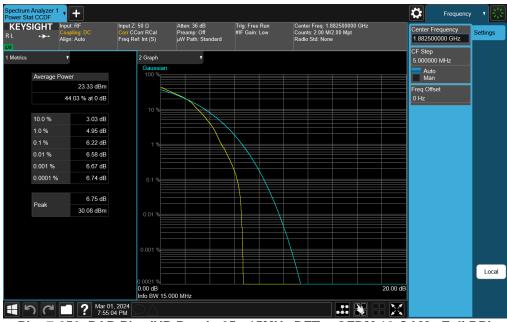
Plot 7-251. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM π/2 BPSK - Full RB)



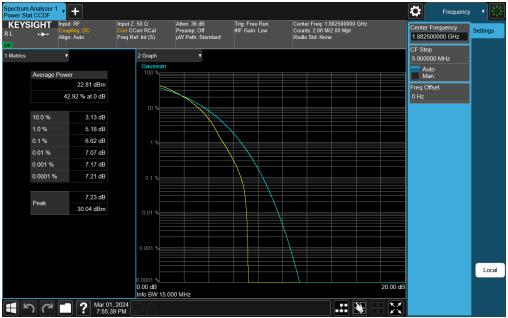
Plot 7-252. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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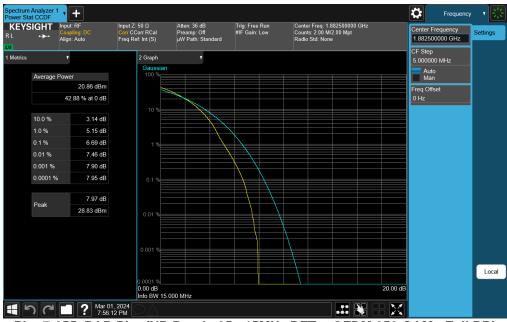
Plot 7-253. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM 16-QAM - Full RB)



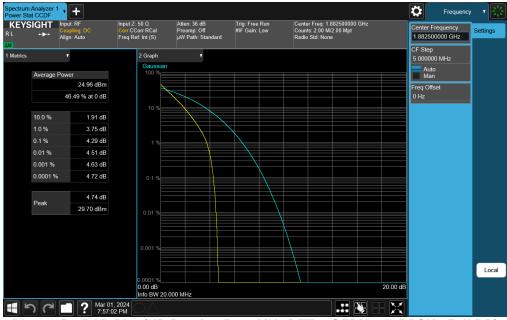
Plot 7-254. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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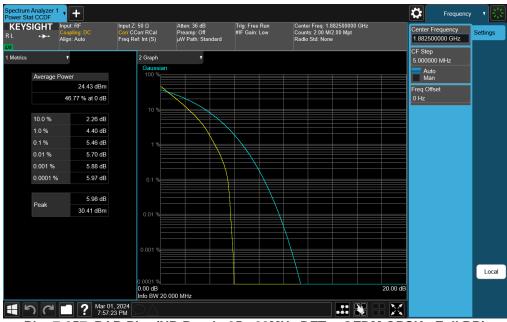
Plot 7-255. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM 256-QAM - Full RB)



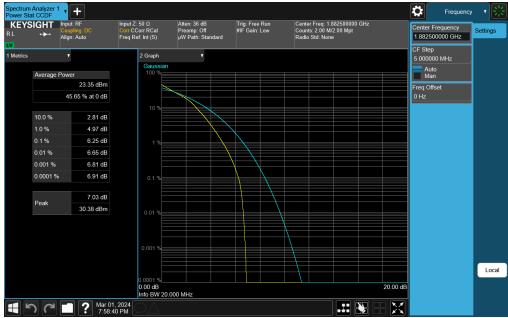
Plot 7-256. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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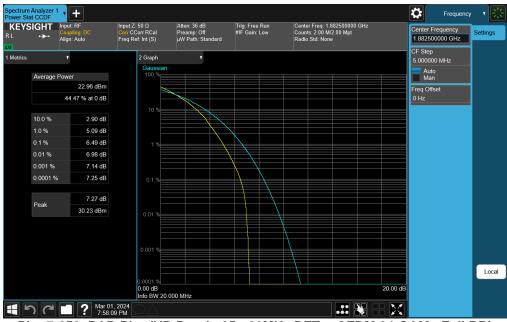
Plot 7-257. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM QPSK - Full RB)



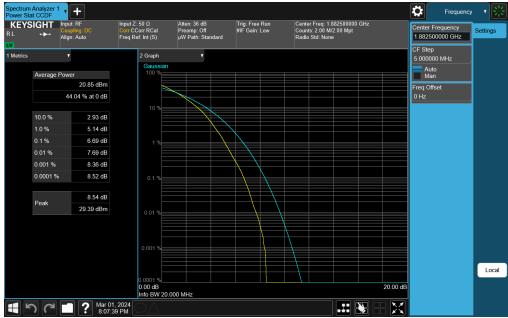
Plot 7-258. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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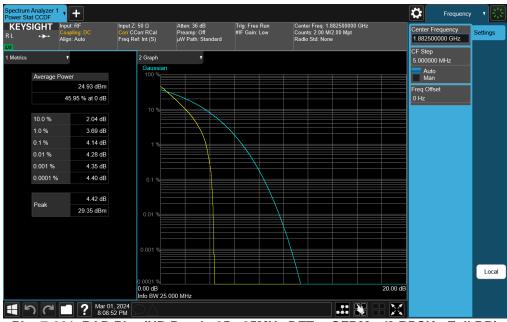
Plot 7-259. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM 64-QAM - Full RB)



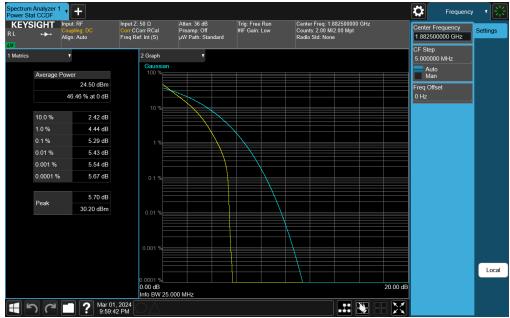
Plot 7-260. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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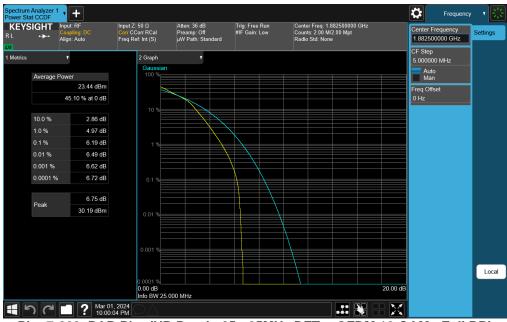
Plot 7-261. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM π/2 BPSK - Full RB)



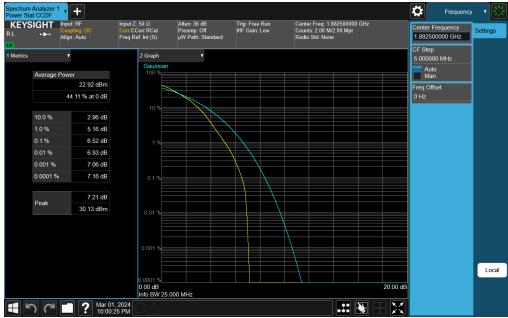
Plot 7-262. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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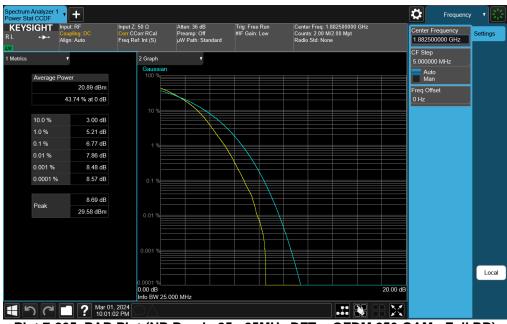
Plot 7-263. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 16-QAM - Full RB)



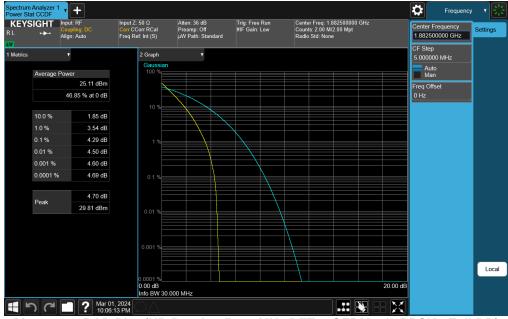
Plot 7-264. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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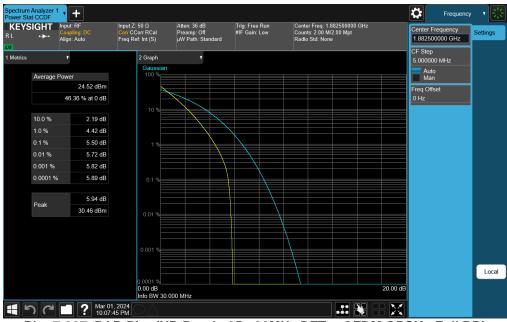
Plot 7-265. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 256-QAM - Full RB)



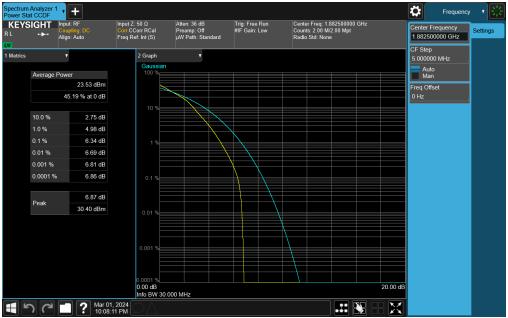
Plot 7-266. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM  $\pi$ /2 BPSK - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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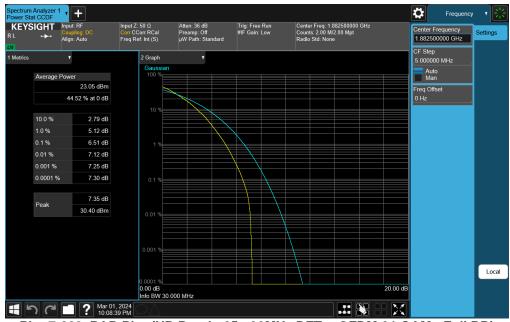
Plot 7-267. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM QPSK - Full RB)



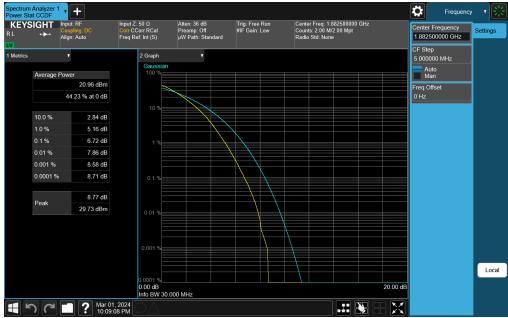
Plot 7-268. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element Part 24 Measurement report		Approved by:
PCC ID. BCGA2899	Ciciliciti	CICIICIII I AKI 24 MEAGOREMENI REI ORI	
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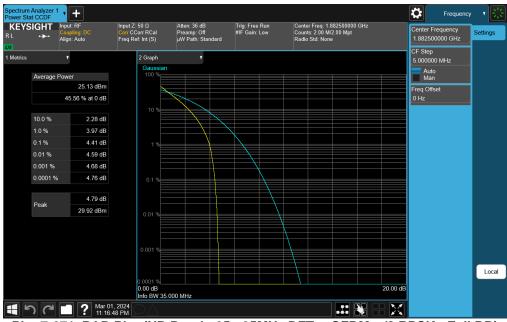
Plot 7-269. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 64-QAM - Full RB)



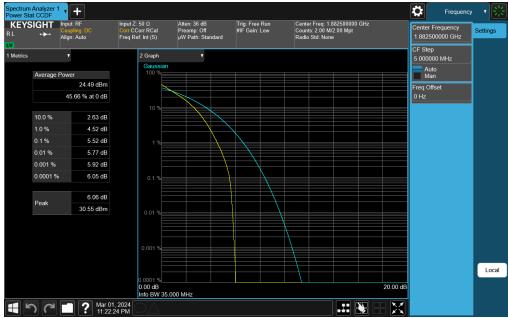
Plot 7-270. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement report	
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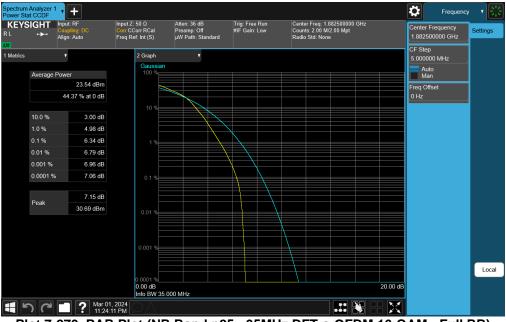
Plot 7-271. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM π/2 BPSK - Full RB)



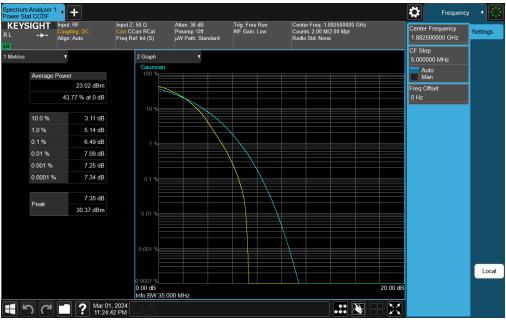
Plot 7-272. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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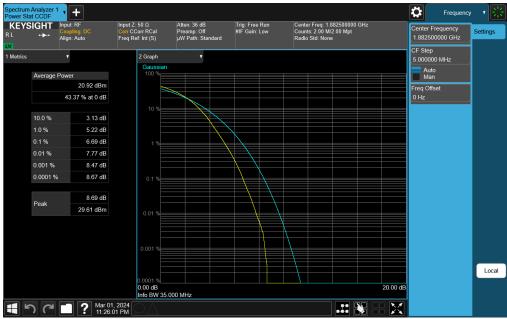
Plot 7-273. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 16-QAM - Full RB)



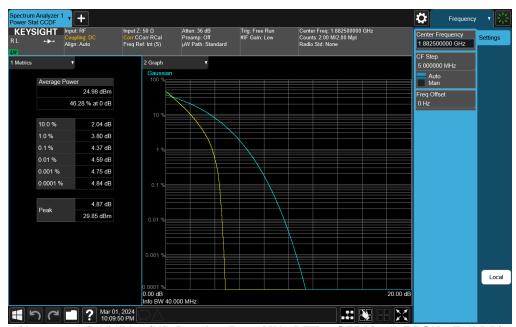
Plot 7-274. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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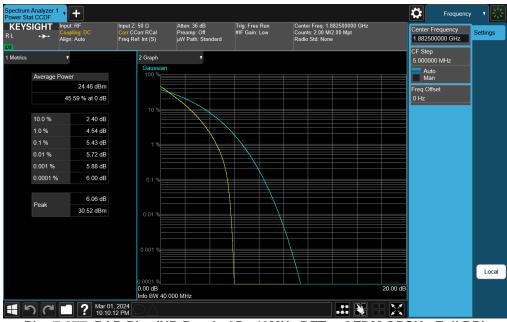
Plot 7-275. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 256-QAM - Full RB)



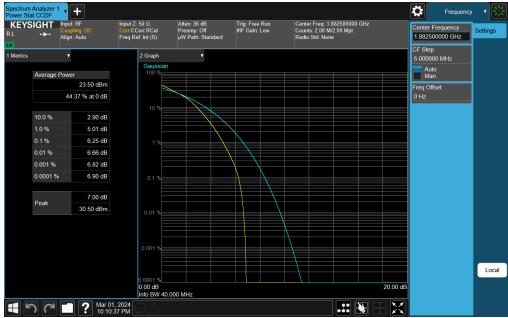
Plot 7-276. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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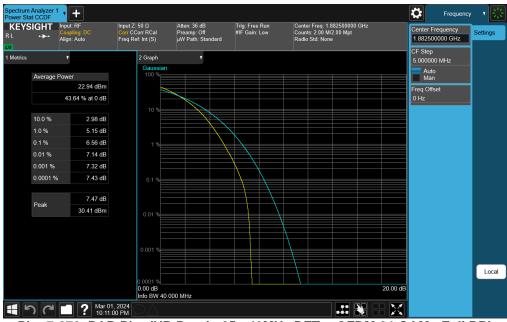
Plot 7-277. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM QPSK - Full RB)



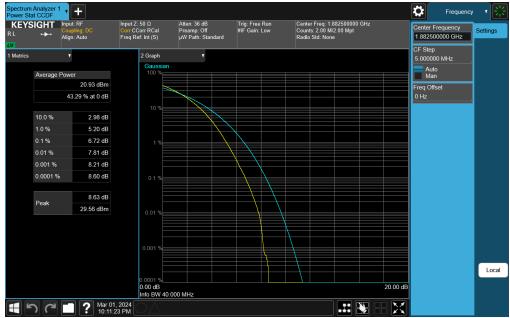
Plot 7-278. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-279. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 64-QAM - Full RB)

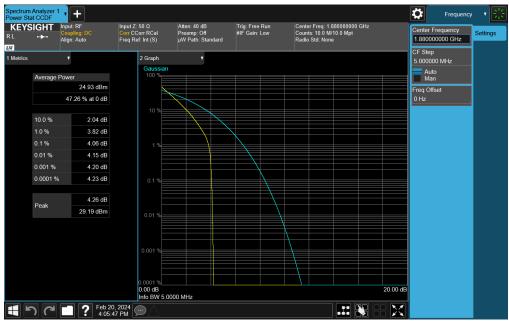


Plot 7-280. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

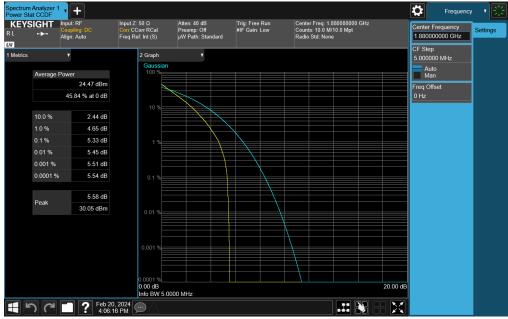
FCC ID: BCGA2899	element	element Part 24 Measurement report	
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## NR Band n2



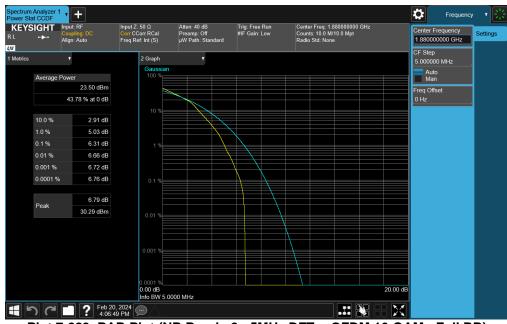
Plot 7-281. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM π/2 BPSK - Full RB)



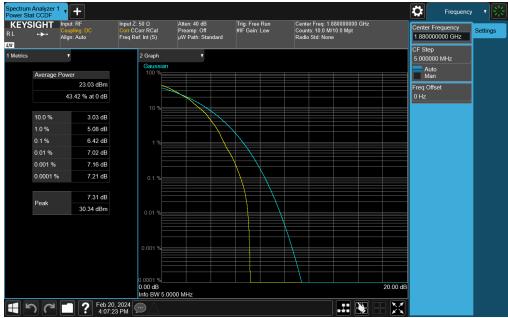
Plot 7-282. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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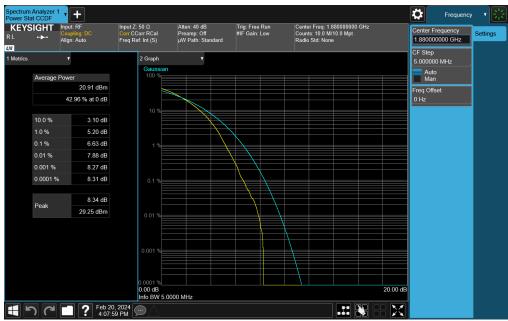
Plot 7-283. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 16-QAM - Full RB)



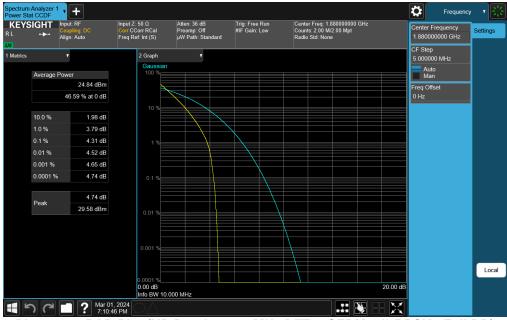
Plot 7-284. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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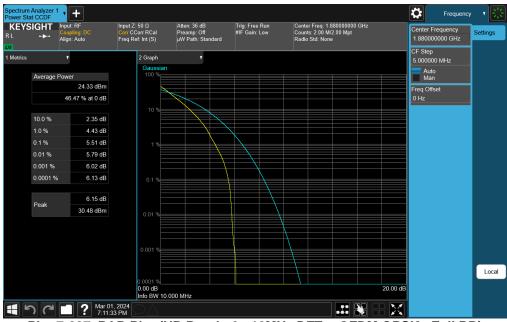
Plot 7-285. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 256-QAM - Full RB)



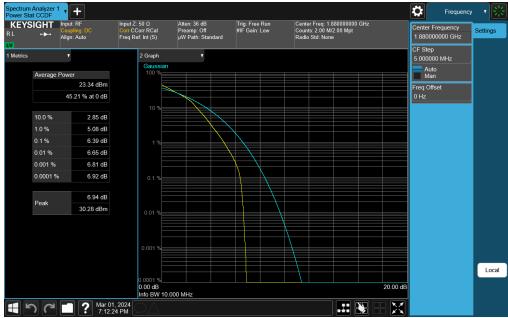
Plot 7-286. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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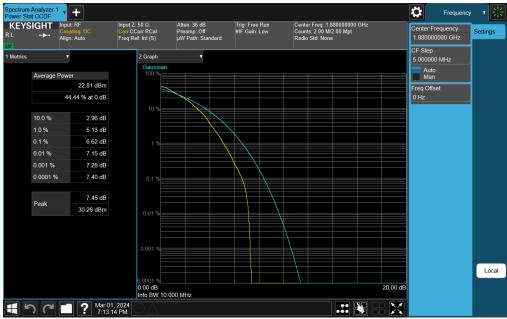
Plot 7-287. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM QPSK - Full RB)



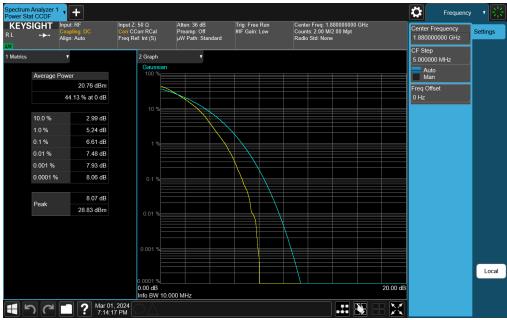
Plot 7-288. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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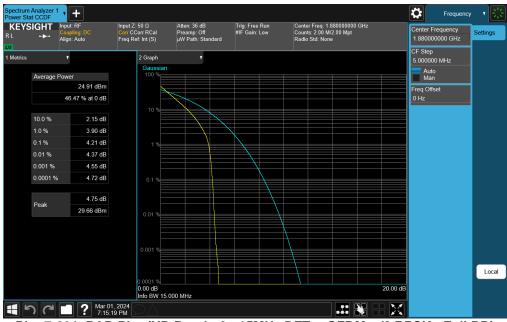
Plot 7-289. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 64-QAM - Full RB)



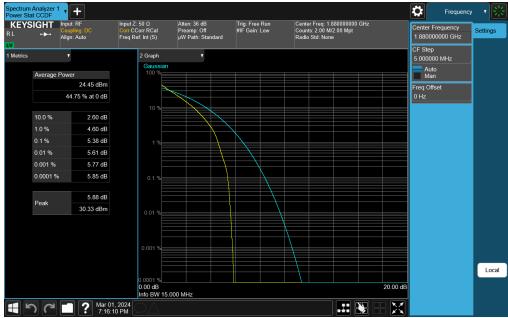
Plot 7-290. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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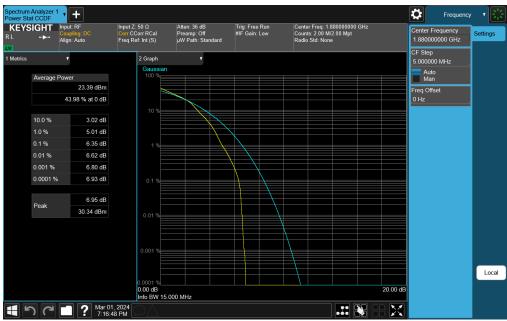
Plot 7-291. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM π/2 BPSK - Full RB)



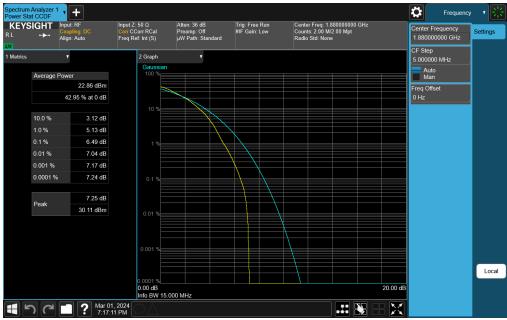
Plot 7-292. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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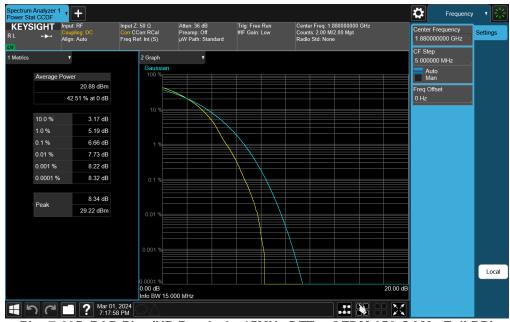
Plot 7-293. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 16-QAM - Full RB)



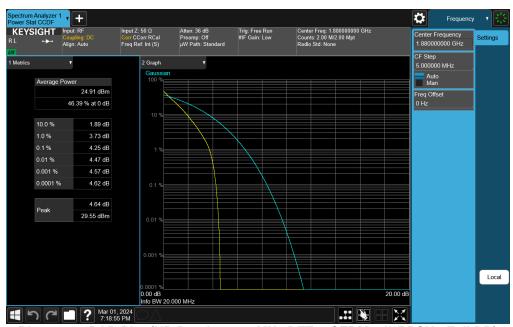
Plot 7-294. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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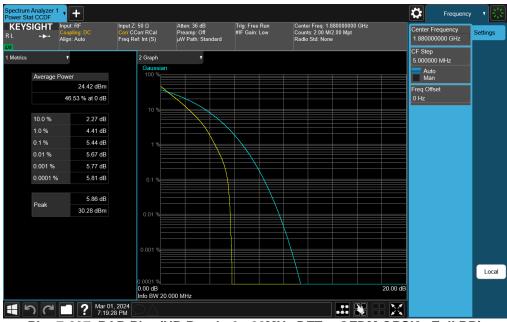
Plot 7-295. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 256-QAM - Full RB)



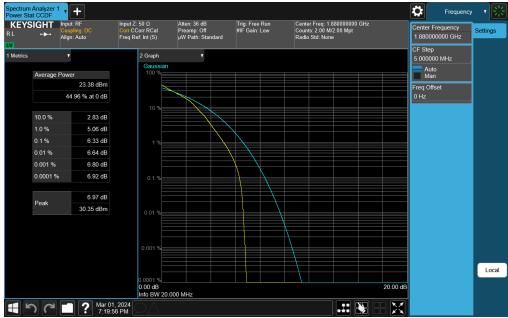
Plot 7-296. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

FCC ID: BCGA2899	element	element Part 24 Measurement Report		
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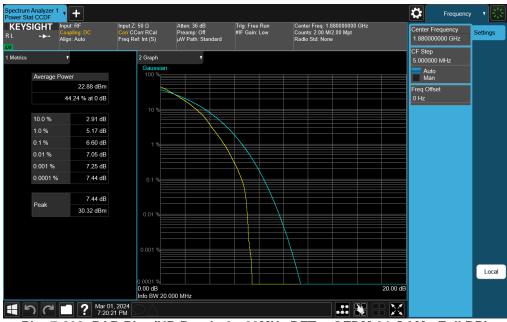
Plot 7-297. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)



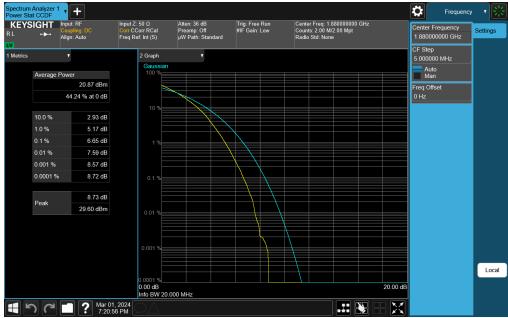
Plot 7-298. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-299. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)

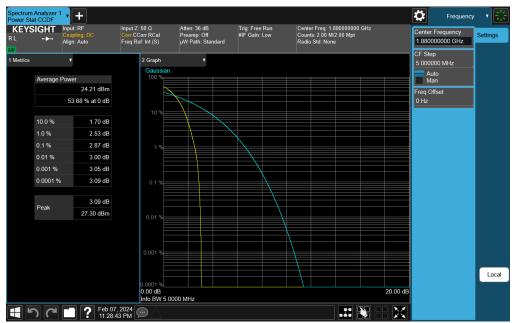


Plot 7-300. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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# **WCDMA PCS**



Plot 7-301. PAR Plot (WCDMA, Ch. 9400)

FCC ID: BCGA2899	element part 24 measurement report		Approved by: Technical Manager
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# 7.6 Radiated Power (EIRP) §24.232(c)

#### **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 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.

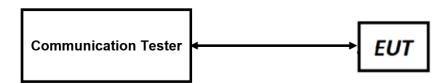


Figure 7-5. EIRP Measurement Setup

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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. The Ant. Gains (GT) are listed in dBi.
- 5. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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# 7.6.1 Antenna 4 – EIRP

#### LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
N QPSI		1850.7	1.80	1/0	25.64	27.44	0.555	33.01	-5.57
	QPSK	1882.5	1.80	1/3	25.62	27.42	0.552	33.01	-5.59
1.4 MHz		1914.3	1.80	1/3	25.69	27.49	0.561	33.01	-5.52
4.	16-QAM	1882.5	1.80	1/3	24.94	26.74	0.472	33.01	-6.27
_	64-QAM	1882.5	1.80	1/5	23.92	25.72	0.373	33.01	-7.29
	256-QAM	1882.5	1.80	1/0	20.98	22.78	0.190	33.01	-10.23
		1851.5	1.80	1 / 0	25.47	27.27	0.533	33.01	-5.74
N	QPSK	1882.5	1.80	1 / 0	25.66	27.46	0.557	33.01	-5.55
꿀		1913.5	1.80	1 / 0	25.50	27.30	0.537	33.01	-5.71
3 MHz	16-QAM	1882.5	1.80	1/0	25.05	26.85	0.484	33.01	-6.16
	64-QAM	1851.5	1.80	1/0	23.95	25.75	0.376	33.01	-7.26
	256-QAM	1882.5	1.80	1/0	21.02	22.82	0.191	33.01	-10.19
		1852.5	1.80	1 / 0	25.70	27.50	0.562	33.01	-5.51
N	QPSK	1882.5	1.80	1 / 0	25.70	27.50	0.562	33.01	-5.51
꿀		1912.5	1.80	1/0	25.58	27.38	0.547	33.01	-5.63
5 MHz	16-QAM	1882.5	1.80	1/0	25.14	26.94	0.494	33.01	-6.07
	64-QAM	1882.5	1.80	1/0	24.00	25.80	0.380	33.01	-7.21
	256-QAM	1882.5	1.80	1/0	20.90	22.70	0.186	33.01	-10.31
		1855.0	1.80	1 / 0	25.44	27.24	0.530	33.01	<b>-</b> 5.77
N	QPSK	1882.5	1.80	1 / 0	25.68	27.48	0.560	33.01	-5.53
¥		1910.0	1.80	1/0	25.49	27.29	0.536	33.01	-5.72
10 MHz	16-QAM	1910.0	1.80	1 / 49	25.04	26.84	0.483	33.01	-6.17
_	64-QAM	1855.0	1.80	1 / 25	23.87	25.67	0.369	33.01	-7.34
	256-QAM	1882.5	1.80	1 / 49	20.97	22.77	0.189	33.01	-10.24
		1857.5	1.80	1 / 0	25.54	27.34	0.542	33.01	-5.67
N	QPSK	1882.5	1.80	1 / 0	25.55	27.35	0.543	33.01	-5.66
15 MHz		1907.5	1.80	1 / 0	25.43	27.23	0.528	33.01	-5.78
2	16-QAM	1907.5	1.80	1/0	24.83	26.63	0.460	33.01	-6.38
_	64-QAM	1857.5	1.80	1/0	23.82	25.62	0.365	33.01	-7.39
	256-QAM	1882.5	1.80	1/0	21.02	22.82	0.191	33.01	-10.19
		1860.0	1.80	1 / 0	25.52	27.32	0.540	33.01	-5.69
N	QPSK	1882.5	1.80	1 / 0	25.34	27.14	0.518	33.01	-5.87
20 MHz		1905.0	1.80	1 / 0	25.61	27.41	0.551	33.01	-5.60
0.0	16-QAM	1905.0	1.80	1/0	25.18	26.98	0.499	33.01	-6.03
	64-QAM	1905.0	1.80	1 / 0	23.90	25.70	0.372	33.01	-7.31
	256-QAM	1860.0	1.80	1/0	21.02	22.82	0.191	33.01	-10.19

Table 7-2. Antenna 4 EIRP Data (LTE Band 25)

FCC ID: BCGA2899	element	Approved by:		
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# LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		1850.7	1.80	1/0	25.46	27.26	0.532	33.01	-5.75
	QPSK	1880.0	1.80	1/5	25.49	27.29	0.536	33.01	-5.72
1 / MH=		1909.3	1.80	1/0	25.68	27.48	0.560	33.01	-5.53
1.4 MINZ	1.4 MHz 16-QAM	1880.0	1.80	1/5	25.01	26.81	0.480	33.01	-6.20
64	64-QAM	1880.0	1.80	1/0	23.86	25.66	0.368	33.01	-7.35
	256-QAM	1880.0	1.80	1/3	20.97	22.77	0.189	33.01	-10.24
		1851.5	1.80	1/0	25.38	27.18	0.522	33.01	-5.83
	QPSK	1880.0	1.80	1 / 0	25.65	27.45	0.556	33.01	-5.56
3 MHz		1908.5	1.80	1/0	25.56	27.36	0.545	33.01	-5.65
3 MINZ	16-QAM	1908.5	1.80	1/0	25.05	26.85	0.484	33.01	-6.16
	64-QAM	1908.5	1.80	1/0	23.81	25.61	0.364	33.01	-7.40
	256-QAM	1908.5	1.80	1 / 14	21.01	22.81	0.191	33.01	-10.20
		1852.5	1.80	1/0	25.43	27.23	0.528	33.01	-5.78
	QPSK 5 MHz	1880.0	1.80	1/0	25.70	27.50	0.562	33.01	-5.51
5 MU-		1907.5	1.80	1/0	25.58	27.38	0.547	33.01	-5.63
3 IVITZ	16-QAM	1880.0	1.80	1/0	25.04	26.84	0.483	33.01	-6.17
	64-QAM	1907.5	1.80	1/0	23.94	25.74	0.375	33.01	-7.27
	256-QAM	1880.0	1.80	1/0	20.98	22.78	0.190	33.01	-10.23
	QPSK	1855.0	1.80	1 / 49	25.42	27.22	0.527	33.01	-5.79
		1880.0	1.80	1 / 49	25.65	27.45	0.556	33.01	-5.56
10 MHz		1905.0	1.80	1/0	25.58	27.38	0.547	33.01	-5.63
IU WINZ	16-QAM	1905.0	1.80	1 / 25	25.08	26.88	0.488	33.01	-6.13
	64-QAM	1905.0	1.80	1 / 25	23.83	25.63	0.366	33.01	-7.38
	256-QAM	1905.0	1.80	1 / 25	20.94	22.74	0.188	33.01	-10.27
		1857.5	1.80	1 / 74	25.28	27.08	0.511	33.01	-5.93
	QPSK	1880.0	1.80	1/0	25.67	27.47	0.558	33.01	-5.54
15 MHz		1902.5	1.80	1/0	25.46	27.26	0.532	33.01	-5.75
13 IVINZ	16-QAM	1902.5	1.80	1/0	24.92	26.72	0.470	33.01	-6.29
	64-QAM	1902.5	1.80	1/0	23.74	25.54	0.358	33.01	-7.47
	256-QAM	1902.5	1.80	1 / 37	20.83	22.63	0.183	33.01	-10.38
		1860.0	1.80	1 / 99	25.35	27.15	0.519	33.01	-5.86
	QPSK	1880.0	1.80	1/0	25.29	27.09	0.512	33.01	-5.92
20 MHz		1900.0	1.80	1/0	25.63	27.43	0.553	33.01	-5.58
ZU WINZ	16-QAM	1900.0	1.80	1/0	25.18	26.98	0.499	33.01	-6.03
	64-QAM	1900.0	1.80	1/0	23.99	25.79	0.379	33.01	-7.22
	256-QAM	1880.0	1.80	1/0	20.78	22.58	0.181	33.01	-10.43

Table 7-3. Antenna 4 EIRP Data (LTE Band 2)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by:
FCC ID. BCGA2099	Ciciliciti	TART 24 MEAGOREMENT REPORT	Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 176 of 217
1C2311270066-08.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 170 01 217



# NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		1852.5	1.80	1 / 23	25.61	27.41	0.551	33.01	-5.60
	π/2 BPSK	1882.5	1.80	1/1	25.64	27.44	0.554	33.01	-5.58
		1912.5	1.80	1 / 12	25.58	27.38	0.548	33.01	-5.63
5 MHz	QPSK	1852.5 1882.5	1.80	1 / 23	25.70 25.64	<b>27.50</b> 27.44	0.562 0.554	33.01 33.01	-5.51 -5.57
3 IVITZ	QFSK	1912.5	1.80	1 / 23	25.57	27.44	0.546	33.01	-5.64
	16-QAM	1912.5	1.80	1/1	24.85	26.65	0.462	33.01	-6.36
	64-QAM	1882.5	1.80	1 / 23	23.35	25.15	0.327	33.01	-7.86
	256-QAM	1882.5	1.80	1 / 23	21.52	23.32	0.215	33.01	-9.69
		1855.0	1.80	1 / 50	25.50	27.30	0.537	33.01	-5.71
	π/2 BPSK	1882.5	1.80	1 / 25	25.70	27.50	0.562	33.01	-5.51
		1910.0	1.80	1/1	25.58	27.38	0.547	33.01	-5.63
		1855.0	1.80	1/1	25.58	27.38	0.547	33.01	-5.63
10 MHz	QPSK	1882.5	1.80	1 / 25	25.61	27.41	0.551	33.01	-5.60
	10.0111	1910.0	1.80	1/1	25.63	27.43	0.553	33.01	-5.58
	16-QAM	1910.0	1.80	1 / 25	24.80	26.60	0.457	33.01	-6.41
	64-QAM	1910.0	1.80	1 / 25	23.23	25.03	0.318	33.01	-7.98
	256-QAM	1910.0	1.80	1 / 25	21.20	23.00	0.200	33.01	-10.01
	π/2 BPSK	1857.5 1882.5	1.80	1 / 1	25.63 25.66	27.43 27.46	0.554 0.558	33.01 33.01	-5.58 -5.55
	II/2 DF OR	1907.5	1.80	1 / 36	25.61	27.40	0.551	33.01	-5.60
		1857.5	1.80	1/1	25.63	27.43	0.553	33.01	-5.58
15 MHz	QPSK	1882.5	1.80	1/77	25.70	27.50	0.562	33.01	-5.51
		1907.5	1.80	1 / 77	25.57	27.37	0.545	33.01	-5.64
	16-QAM	1907.5	1.80	1/1	24.90	26.70	0.468	33.01	-6.31
	64-QAM	1882.5	1.80	1/1	23.20	25.00	0.316	33.01	-8.01
	256-QAM	1882.5	1.80	1 / 77	21.22	23.02	0.200	33.01	-9.99
		1860.0	1.80	1 / 50	25.63	27.43	0.554	33.01	-5.58
	π/2 BPSK	1882.5	1.80	1 / 50	25.70	27.50	0.562	33.01	-5.51
		1905.0	1.80	1 / 50	25.68	27.48	0.559	33.01	-5.53
		1860.0	1.80	1 / 104	25.65	27.45	0.556	33.01	-5.56
20 MHz	QPSK	1882.5	1.80	1 / 50	25.64	27.44	0.554	33.01	-5.57
		1905.0	1.80	1/1	25.65	27.45	0.555	33.01	-5.56
	16-QAM	1860.0	1.80	1/1	25.05	26.85	0.484	33.01	-6.16
	64-QAM 256-QAM	1905.0	1.80	1 / 1	23.15	24.95	0.313	33.01	-8.06
	256-QAW	1905.0 1862.5	1.80	1 / 131	21.17 25.65	22.97 27.45	0.198 0.556	33.01 33.01	-10.04 -5.56
	π/2 BPSK	1882.5	1.80	1 / 131	25.67	27.43	0.558	33.01	-5.54
	II/Z DI-OK	1902.5	1.80	1 / 64	25.68	27.48	0.559	33.01	-5.53
		1862.5	1.80	1 / 131	25.61	27.41	0.550	33.01	-5.60
25 MHz	QPSK	1882.5	1.80	1 / 131	25.70	27.50	0.562	33.01	-5.51
	Q, O,	1902.5	1.80	1/1	25.61	27.41	0.551	33.01	-5.60
	16-QAM	1862.5	1.80	1 / 64	24.96	26.76	0.474	33.01	-6.25
	64-QAM	1862.5	1.80	1/1	23.24	25.04	0.319	33.01	-7.97
	256-QAM	1862.5	1.80	1 / 131	21.17	22.97	0.198	33.01	-10.04
		1865.0	1.80	1 / 80	25.69	27.49	0.561	33.01	-5.52
	π/2 BPSK	1882.5	1.80	1/1	25.70	27.50	0.562	33.01	-5.51
		1900.0	1.80	1 / 80	25.66	27.46	0.558	33.01	-5.55
		1865.0	1.80	1 / 80	25.66	27.46	0.557	33.01	-5.55
30 MHz	QPSK	1882.5	1.80	1 / 80	25.69	27.49	0.561	33.01	-5.52
	16 0 414	1900.0	1.80	1/1	25.69	27.49	0.561	33.01	-5.52
	16-QAM	1882.5 1900.0	1.80	1/1	25.05 23.44	26.85 25.24	0.484	33.01 33.01	-6.16 -7.77
	64-QAM 256-QAM	1882.5	1.80	1 / 158	21.32	23.12	0.335	33.01	-9.89
	200-QAIVI	1867.5	1.80	1 / 90	25.64	27.44	0.555	33.01	-5.57
	π/2 BPSK	1882.5	1.80	1 / 90	25.68	27.44	0.559	33.01	-5.53
	2 3, 6,0	1897.5	1.80	1/1	25.65	27.45	0.556	33.01	-5.56
		1867.5	1.80	1 / 90	25.70	27.50	0.562	33.01	-5.51
35 MHz	QPSK	1882.5	1.80	1 / 90	25.65	27.45	0.556	33.01	-5.56
		1897.5	1.80	1 / 90	25.64	27.44	0.555	33.01	-5.57
	16-QAM	1897.5	1.80	1/1	24.98	26.78	0.476	33.01	-6.23
	64-QAM	1867.5	1.80	1 / 186	23.62	25.42	0.348	33.01	-7.59
	256-QAM	1867.5	1.80	1 / 186	21.62	23.42	0.220	33.01	-9.59
		1870.0	1.80	1 / 214	25.63	27.43	0.554	33.01	-5.58
	π/2 BPSK	1882.5	1.80	1/1	25.59	27.39	0.548	33.01	-5.62
		1895.0	1.80	1 / 108	25.62	27.42	0.552	33.01	-5.59
40 MU-	OPCI	1870.0	1.80	1 / 214	25.70	27.50	0.562	33.01	-5.51
40 MHz	QPSK	1882.5	1.80	1 / 214	25.60	27.40 27.47	0.549	33.01	-5.61
	16-QAM	1895.0 1870.0	1.80	1 / 108	25.67 24.70	26.50	0.558 0.447	33.01	-5.54 -6.51
	16-QAM 64-QAM	1870.0	1.80	1 / 108	23.23	25.03	0.447	33.01 33.01	-6.51 -7.98
	256-QAM	1870.0	1.80	1 / 214	23.23	25.03	0.318	33.01	-7.98 -9.87
	Toble 7	1002.0	1.00	1 EIDD		ND Da	v.200		-0.07

Table 7-4. Antenna 4 EIRP Data (NR Band n25)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 177 of 217
1C2311270066-08.BCG	10/01/2023 - 03/07/2024	Tablet Device	Faye III 01211



# NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
π/2 BPSK		1852.5	1.80	1/1	25.64	27.44	0.555	33.01	-5.57
	π/2 BPSK	1880.0	1.80	1/1	25.64	27.44	0.554	33.01	-5.57
		1907.5	1.80	1/1	25.66	27.46	0.557	33.01	-5.55
		1852.5	1.80	1 / 23	25.68	27.48	0.560	33.01	-5.53
5 MHz	QPSK	1880.0	1.80	1 / 12	25.61	27.41	0.551	33.01	-5.60
		1907.5	1.80	1 / 12	25.70	27.50	0.562	33.01	-5.51
	16-QAM	1907.5	1.80	1 / 12	24.93	26.73	0.471	33.01	-6.28
	64-QAM	1880.0	1.80	1/1	23.04	24.84	0.305	33.01	-8.17
	256-QAM	1907.5	1.80	1/1	21.62	23.42	0.220	33.01	-9.59
		1855.0	1.80	1/1	25.64	27.44	0.555	33.01	-5.57
	π/2 BPSK	1880.0	1.80	1/1	25.62	27.42	0.552	33.01	-5.59
		1905.0	1.80	1/1	25.66	27.46	0.557	33.01	-5.55
		1855.0	1.80	1/1	25.70	27.50	0.562	33.01	-5.51
10 MHz	QPSK	1880.0	1.80	1/1	25.62	27.42	0.552	33.01	-5.59
		1905.0	1.80	1 / 25	25.67	27.47	0.559	33.01	-5.54
	16-QAM	1855.0	1.80	1 / 25	25.04	26.84	0.483	33.01	-6.17
	64-QAM	1855.0	1.80	1/1	23.65	25.45	0.351	33.01	-7.56
	256-QAM	1905.0	1.80	1/1	21.61	23.41	0.219	33.01	-9.60
		1857.5	1.80	1 / 77	25.70	27.50	0.562	33.01	-5.51
	π/2 BPSK	1880.0	1.80	1 / 36	25.70	27.50	0.562	33.01	-5.51
		1902.5	1.80	1/1	25.70	27.50	0.562	33.01	-5.51
		1857.5	1.80	1/1	25.60	27.40	0.549	33.01	-5.61
15 MHz	QPSK	1880.0	1.80	1 / 36	25.60	27.40	0.549	33.01	-5.62
		1902.5	1.80	1 / 77	25.70	27.50	0.562	33.01	-5.51
	16-QAM	1902.5	1.80	1 / 36	24.89	26.69	0.466	33.01	-6.32
	64-QAM	1902.5	1.80	1/1	23.41	25.21	0.332	33.01	-7.80
	256-QAM	1902.5	1.80	1 / 36	21.16	22.96	0.198	33.01	-10.05
		1860.0	1.80	1 / 104	25.60	27.40	0.550	33.01	-5.61
	π/2 BPSK	1880.0	1.80	1 / 104	25.65	27.45	0.556	33.01	-5.56
		1900.0	1.80	1 / 50	25.66	27.46	0.558	33.01	-5.55
		1860.0	1.80	1/1	25.64	27.44	0.555	33.01	-5.57
20 MHz	QPSK	1880.0	1.80	1/1	25.68	27.48	0.560	33.01	-5.53
		1900.0	1.80	1 / 50	25.70	27.50	0.562	33.01	-5.51
	16-QAM	1900.0	1.80	1 / 50	25.15	26.95	0.495	33.01	-6.06
	64-QAM	1880.0	1.80	1 / 50	23.84	25.64	0.366	33.01	-7.37
	256-QAM	1860.0	1.80	1/1	21.71	23.51	0.224	33.01	-9.50

Table 7-5. Antenna 4 EIRP Data (NR Band n2)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by:
FCC ID. BCGA2899	Ciciliciti	TART 24 MEASOREMENT REPORT	Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 178 of 217
1C2311270066-08.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 170 01 217



# **WCDMA PCS**

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.62	1.80	27.42	0.552	33.01	-5.59
1880.00	WCDMA1900	25.70	1.80	27.50	0.562	33.01	-5.51
1907.60	WCDMA1900	25.58	1.80	27.38	0.547	33.01	-5.63

Table 7-6. Antenna 4 EIRP Data (WCDMA PCS)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 179 of 217
1C2311270066-08.BCG	10/01/2023 - 03/07/2024	Tablet Device	Faye 119 01 211



# 7.6.2 Antenna 1b – EIRP

# LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		1850.7	0.70	1 / 0	22.64	23.34	0.216	33.01	-9.67
N	QPSK	1882.5	0.70	1 / 0	22.69	23.39	0.218	33.01	-9.62
1.4 MHz		1914.3	0.70	1 / 0	22.58	23.28	0.213	33.01	-9.73
4.	16-QAM	1914.3	0.70	1 / 0	21.82	22.52	0.179	33.01	-10.49
_	64-QAM	1882.5	0.70	1 / 0	21.00	21.70	0.148	33.01	-11.31
	256-QAM	1882.5	0.70	1 / 0	17.94	18.64	0.073	33.01	-14.37
		1851.5	0.70	1 / 0	22.36	23.06	0.202	33.01	-9.95
N	QPSK	1882.5	0.70	1 / 0	22.66	23.36	0.217	33.01	-9.65
꿏		1913.5	0.70	1 / 0	22.45	23.15	0.207	33.01	-9.86
3 MHz	16-QAM	1882.5	0.70	1 / 0	21.92	22.62	0.183	33.01	-10.39
,,,	64-QAM	1882.5	0.70	1/0	20.90	21.60	0.145	33.01	-11.41
	256-QAM	1882.5	0.70	1/0	18.09	18.79	0.076	33.01	-14.22
		1852.5	0.70	1 / 0	22.70	23.40	0.219	33.01	-9.61
N	QPSK	1882.5	0.70	1 / 0	22.70	23.40	0.219	33.01	-9.61
꿀		1912.5	0.70	1 / 0	22.48	23.18	0.208	33.01	-9.83
5 MHz	16-QAM	1882.5	0.70	1/0	22.07	22.77	0.189	33.01	-10.24
-	64-QAM	1882.5	0.70	1 / 0	20.86	21.56	0.143	33.01	-11.45
	256-QAM	1852.5	0.70	1/0	17.97	18.67	0.074	33.01	-14.34
		1855.0	0.70	1 / 0	22.44	23.14	0.206	33.01	-9.87
N	QPSK	1882.5	0.70	1 / 49	22.60	23.30	0.214	33.01	-9.71
¥		1910.0	0.70	1 / 0	22.42	23.12	0.205	33.01	-9.89
10 MHz	16-QAM	1882.5	0.70	1 / 49	21.93	22.63	0.183	33.01	-10.38
_	64-QAM	1855.0	0.70	1 / 49	20.82	21.52	0.142	33.01	-11.49
	256-QAM	1882.5	0.70	1 / 49	17.96	18.66	0.073	33.01	-14.35
		1857.5	0.70	1 / 0	22.49	23.19	0.208	33.01	-9.82
N	QPSK	1882.5	0.70	1 / 0	22.52	23.22	0.210	33.01	-9.79
15 MHz		1907.5	0.70	1 / 0	22.41	23.11	0.205	33.01	-9.90
2	16-QAM	1907.5	0.70	1 / 0	21.82	22.52	0.179	33.01	-10.49
_	64-QAM	1857.5	0.70	1 / 74	20.73	21.43	0.139	33.01	-11.58
	256-QAM	1882.5	0.70	1/0	18.00	18.70	0.074	33.01	-14.31
		1860.0	0.70	1 / 0	22.45	23.15	0.207	33.01	-9.86
N	QPSK	1882.5	0.70	1 / 0	22.27	22.97	0.198	33.01	-10.04
20 MHz		1905.0	0.70	1 / 0	22.53	23.23	0.210	33.01	-9.78
0.0	16-QAM	1882.5	0.70	1 / 0	22.11	22.81	0.191	33.01	-10.20
~~~	64-QAM	1882.5	0.70	1 / 0	20.98	21.68	0.147	33.01	-11.33
	256-QAM	1860.0	0.70	1 / 0	17.90	18.60	0.072	33.01	-14.41

Table 7-7. Antenna 1b EIRP Data (LTE Band 25)

FCC ID: BCGA2899	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 190 of 217
1C2311270066-08.BCG	10/01/2023 - 03/07/2024	Tablet Device	Page 180 of 217