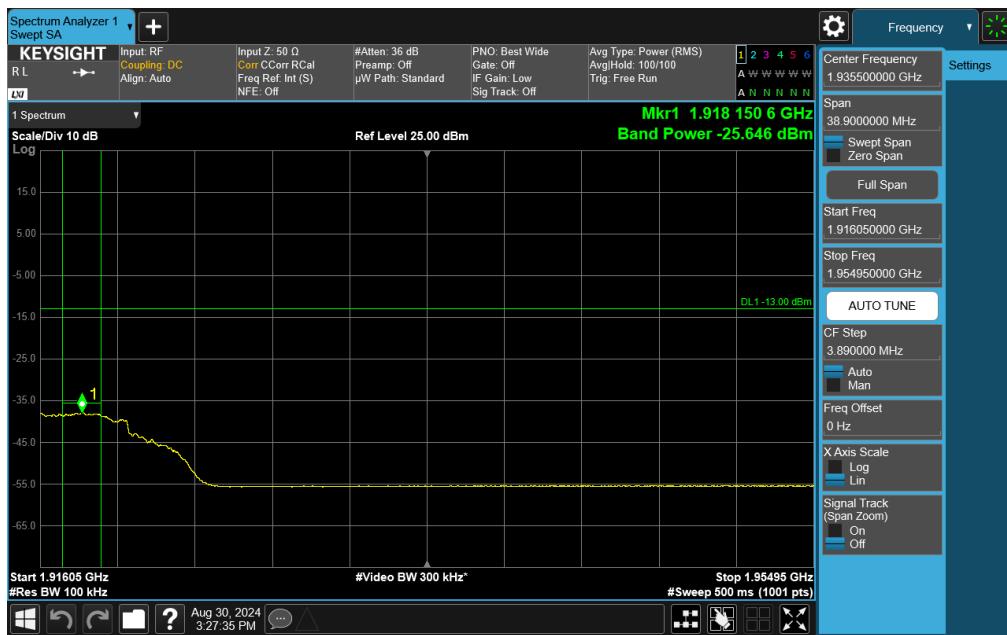


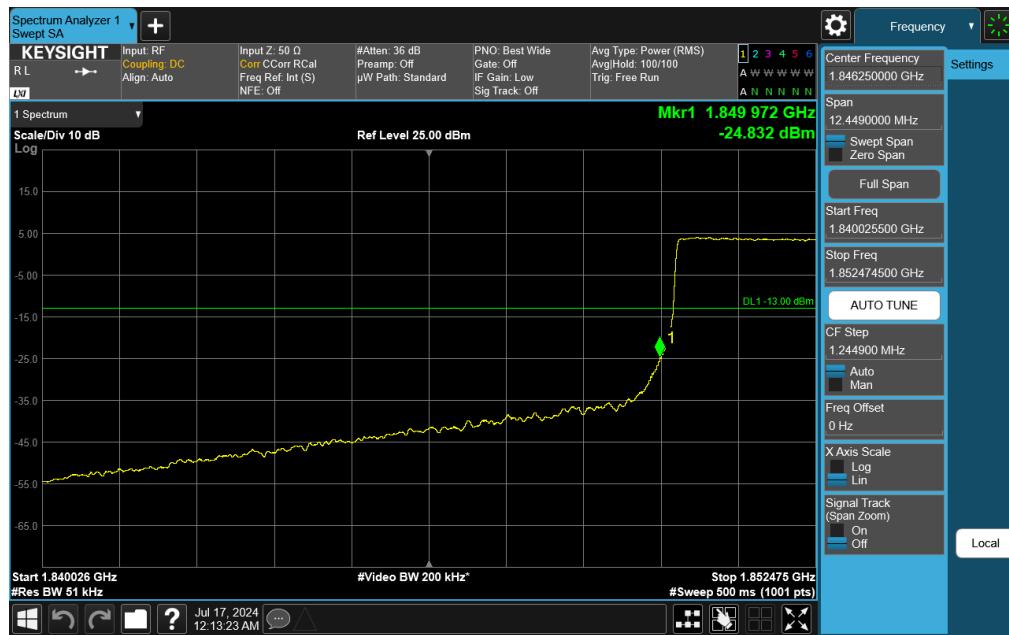
Plot 7-171. Upper Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM QPSK – Full RB Configuration)



Plot 7-172. Extended Upper Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## NR Band n2



Plot 7-173. Lower Band Edge Plot (NR Band n2 – 5MHz CP-OFDM QPSK – Full RB Configuration)



Plot 7-174. Extended Lower Band Edge Plot (NR Band n2 – 5MHz CP-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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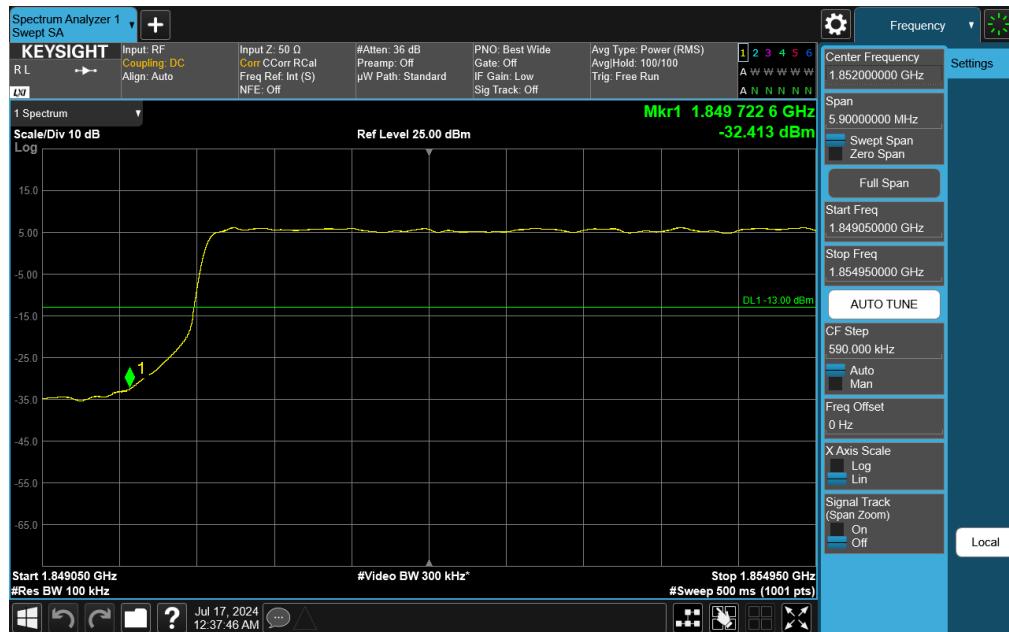


Plot 7-175. Upper Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)



Plot 7-176. Extended Upper Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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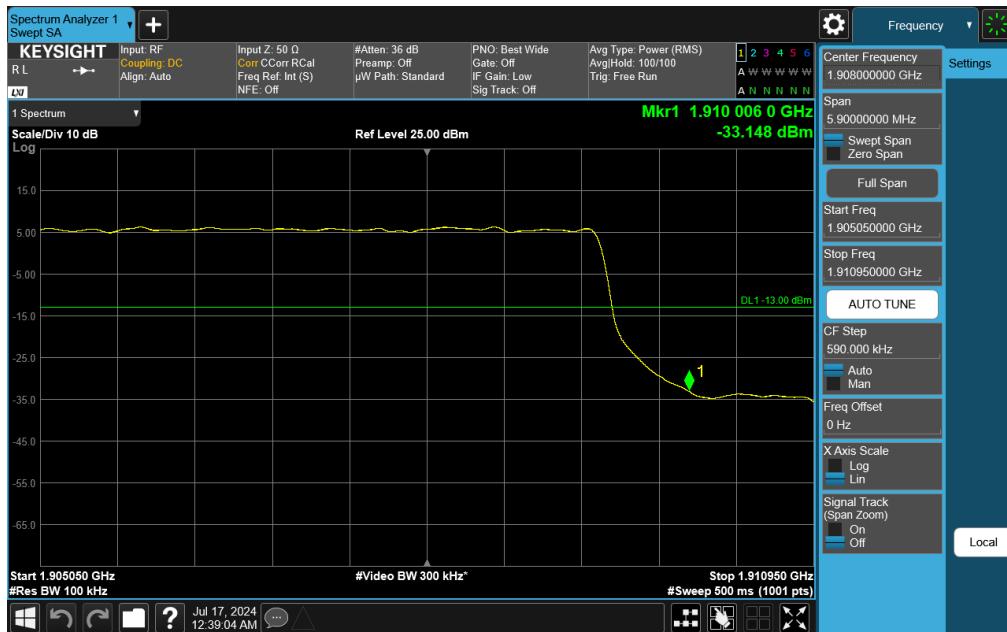


Plot 7-177. Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM QPSK – Full RB Configuration)

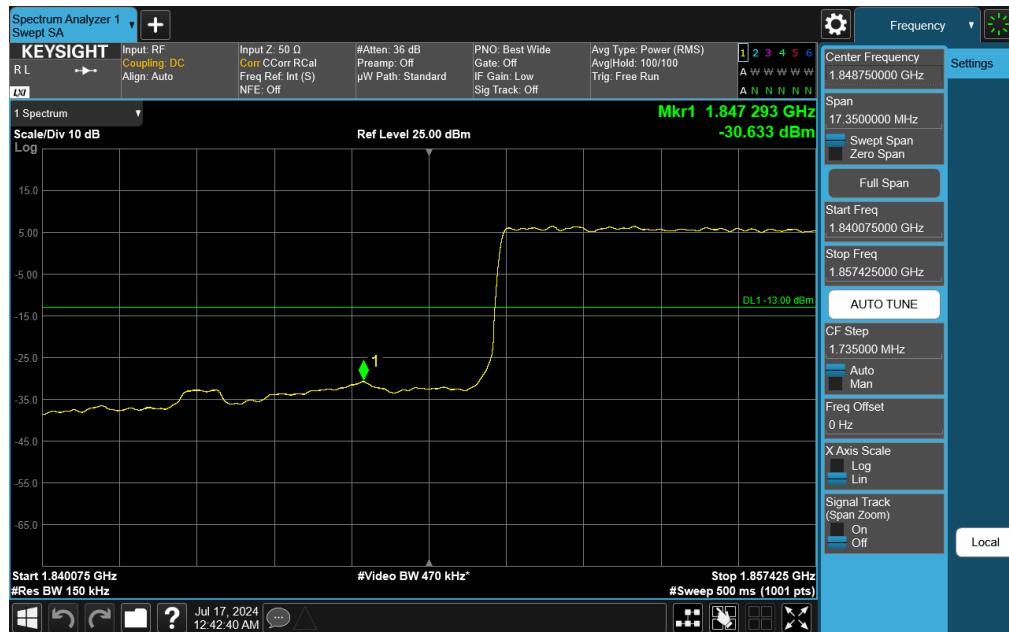


Plot 7-178. Extended Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM QPSK – Full RB Configuration)

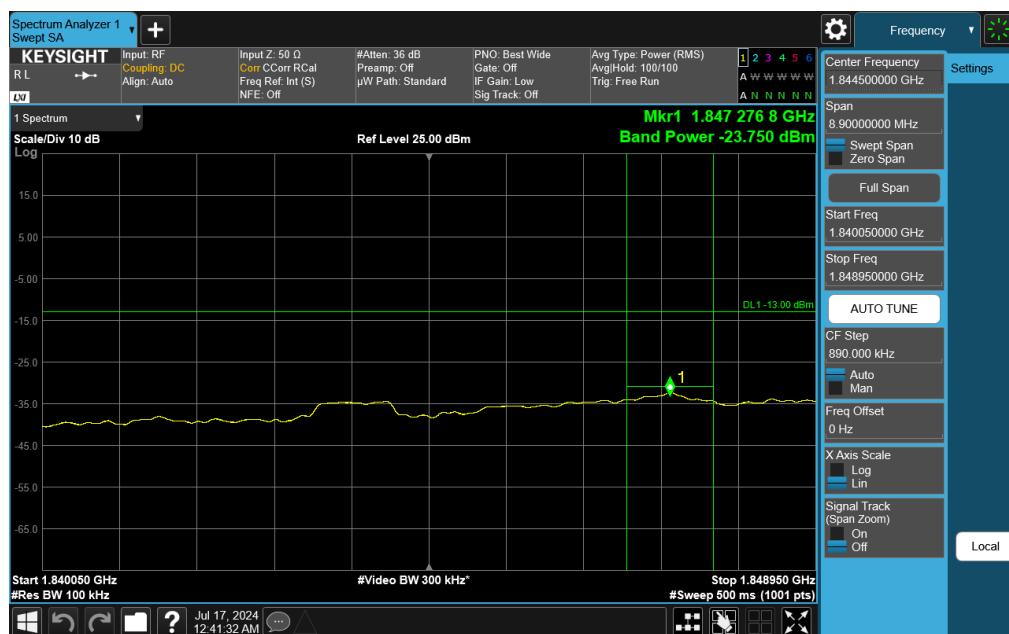
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 109 of 219



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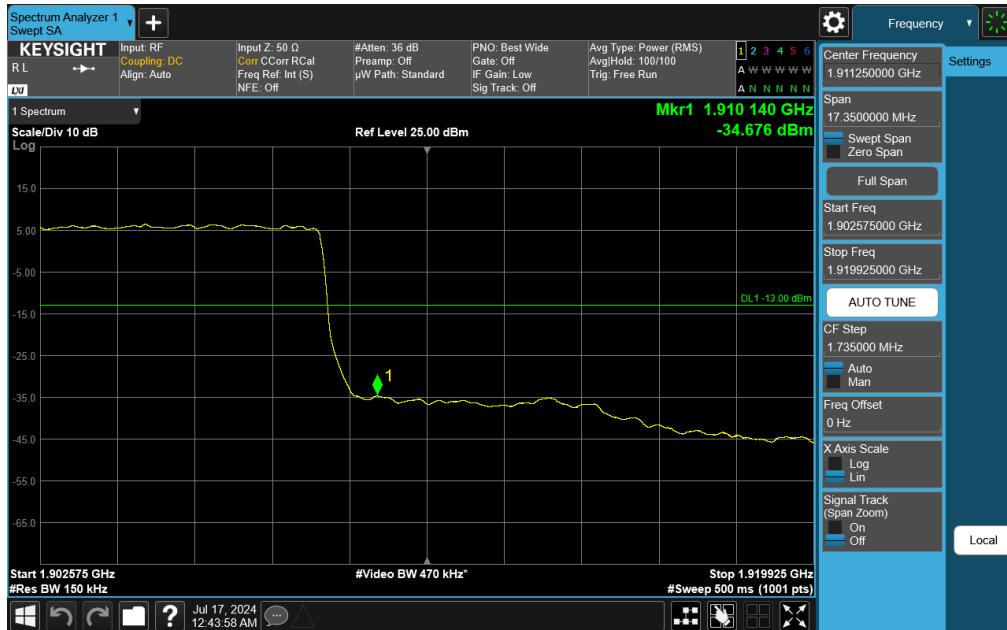


Plot 7-181. Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)



Plot 7-182. Extended Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 111 of 219

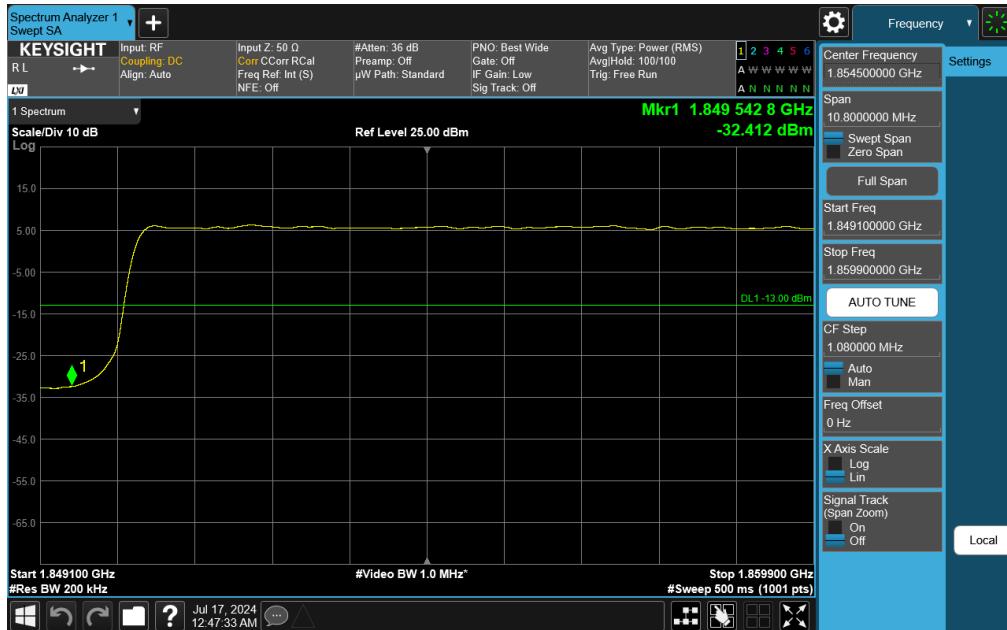


Plot 7-183. Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)

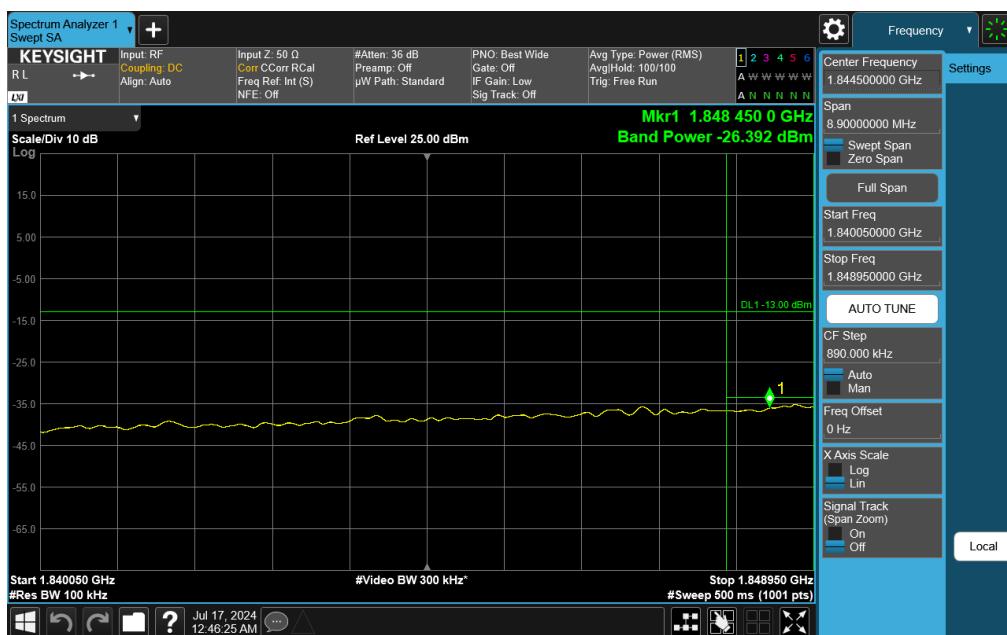


Plot 7-184. Extended Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 112 of 219

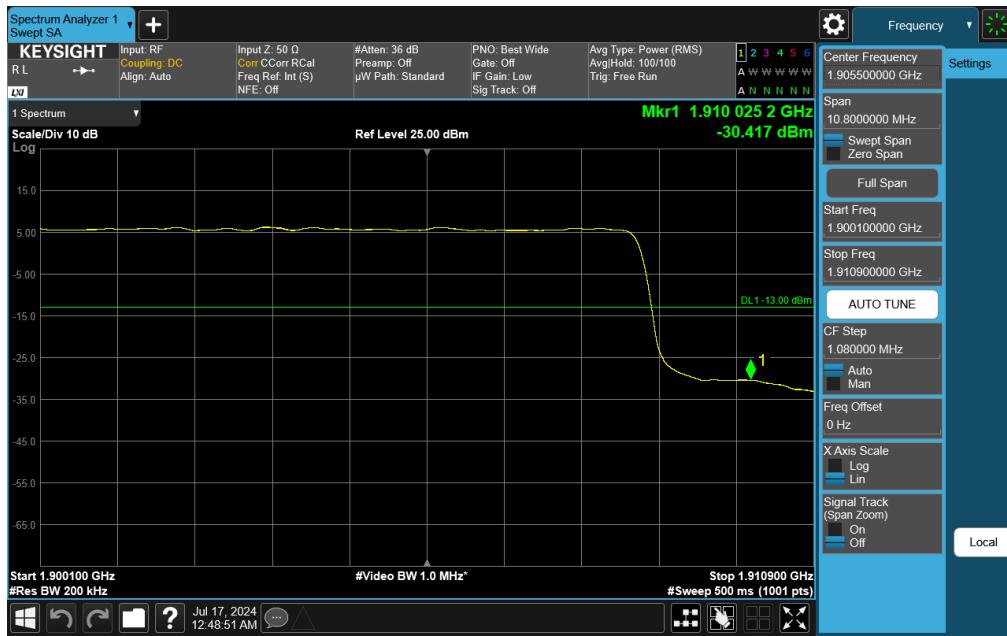


Plot 7-185. Lower Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM QPSK – Full RB Configuration)

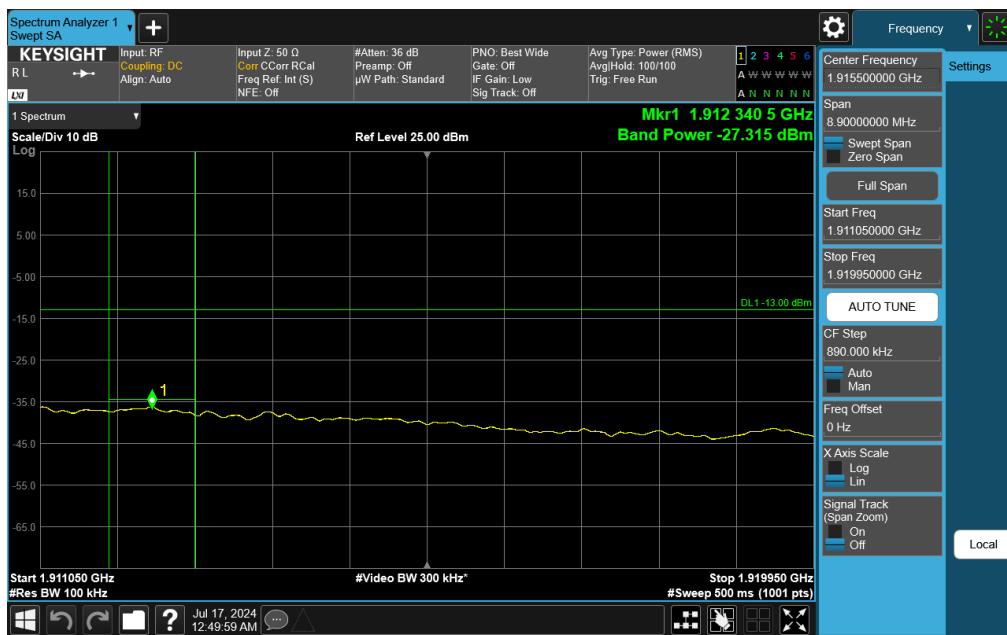


Plot 7-186. Extended Lower Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 113 of 219



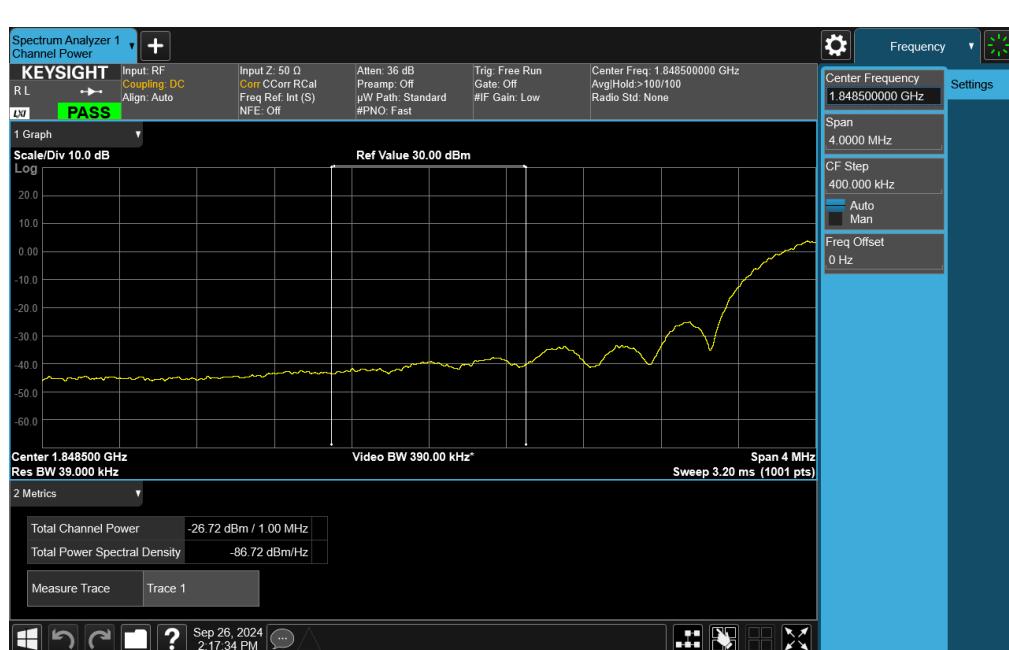
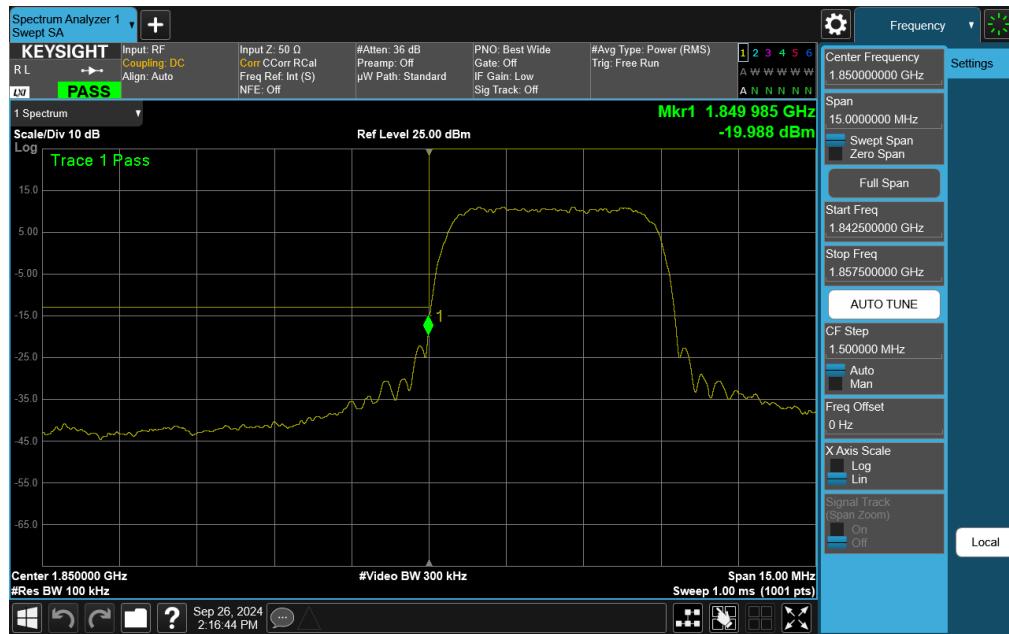
Plot 7-187. Upper Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM QPSK – Full RB Configuration)



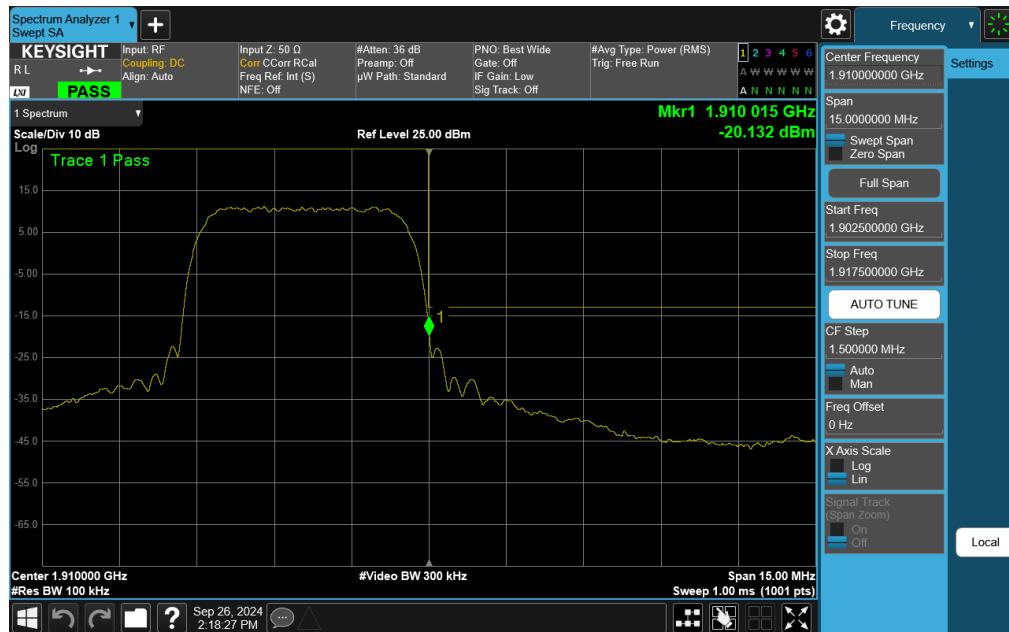
Plot 7-188. Extended Upper Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 114 of 219

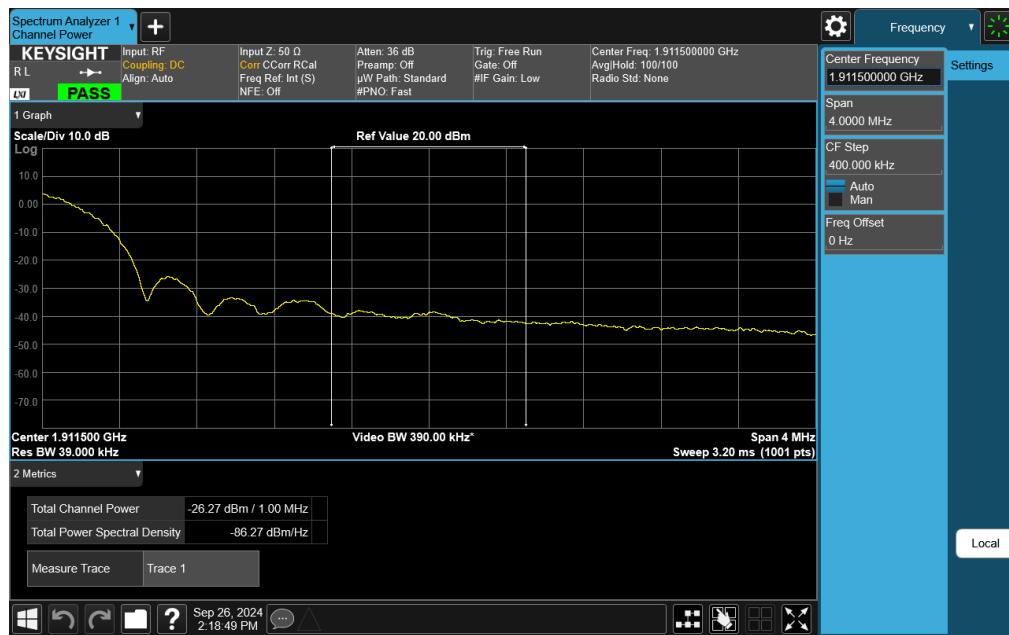
## WCDMA PCS



FCC ID: BCGA3269	 <b>element</b>		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 115 of 219



Plot 7-191. Upper Band Edge Plot (WCDMA PCS – Ch. 9538)



Plot 7-192. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.5 Peak-Average Ratio

§24.232(d)

### Test Overview and Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. All ports were tested and only the worst case data were reported.

**The peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time.**

### Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

### Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW  $\geq$  OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

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## Test Setup

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

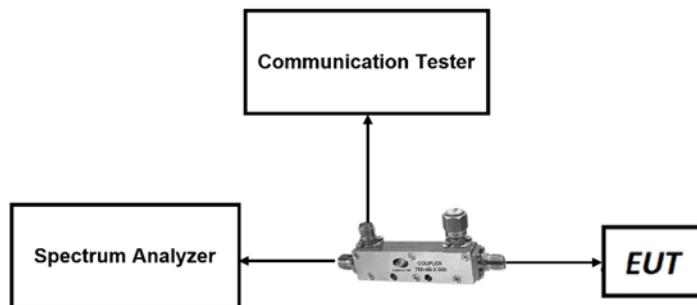


Figure 7-7. LTE Test Instrument & Measurement Setup

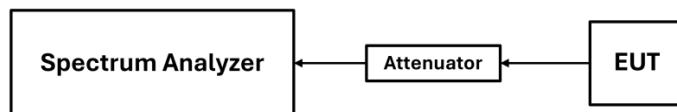


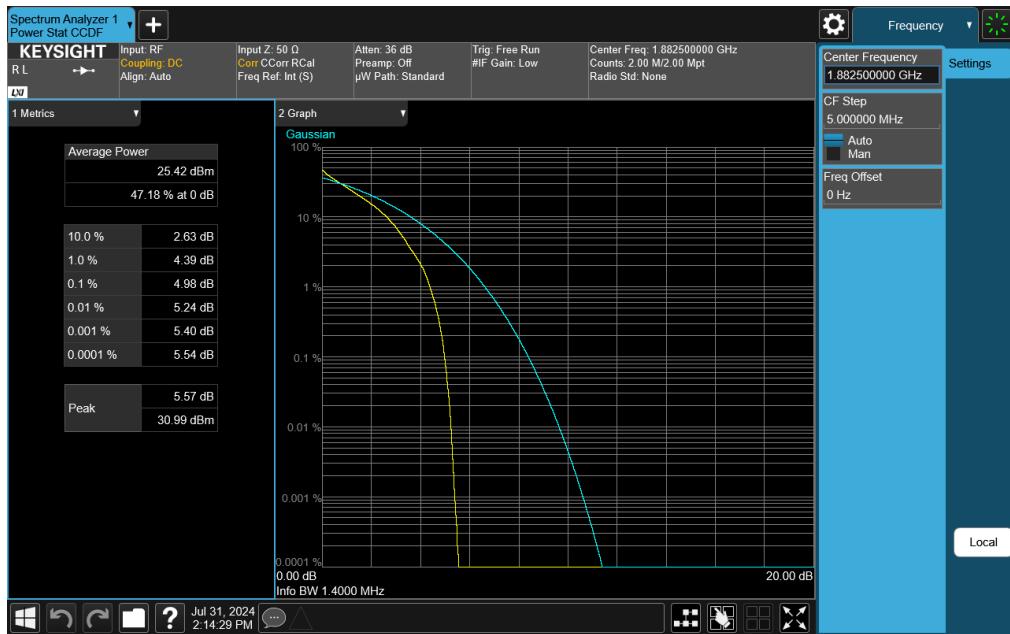
Figure 7-8. FR1 Test Instrument & Measurement Setup

## Test Notes

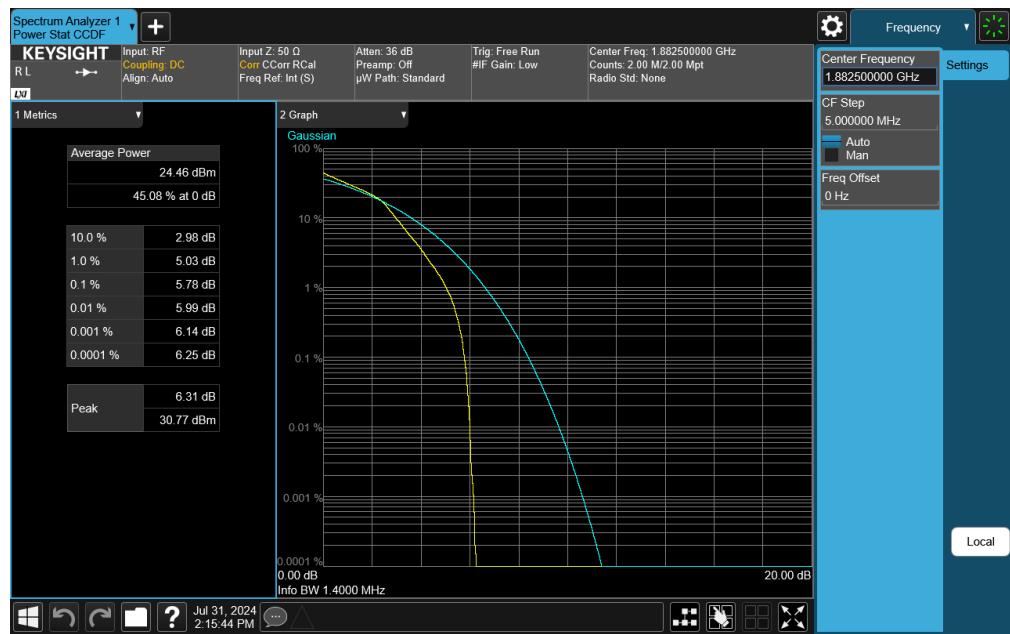
None.

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## LTE Band 25

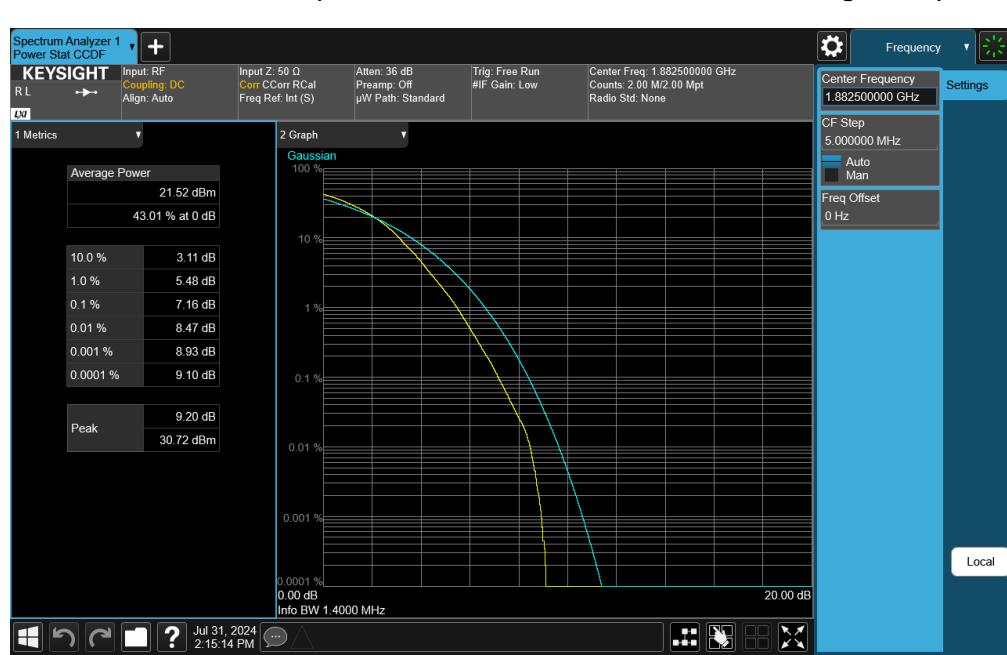
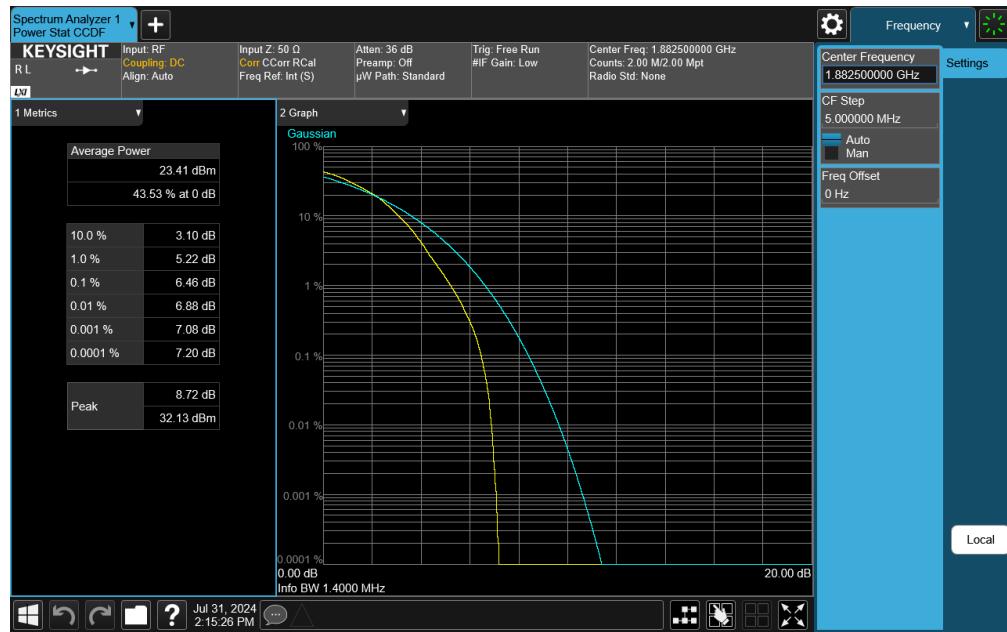


Plot 7-193. PAR Plot (LTE Band 25 - 1.4MHz QPSK - Full RB Configuration)

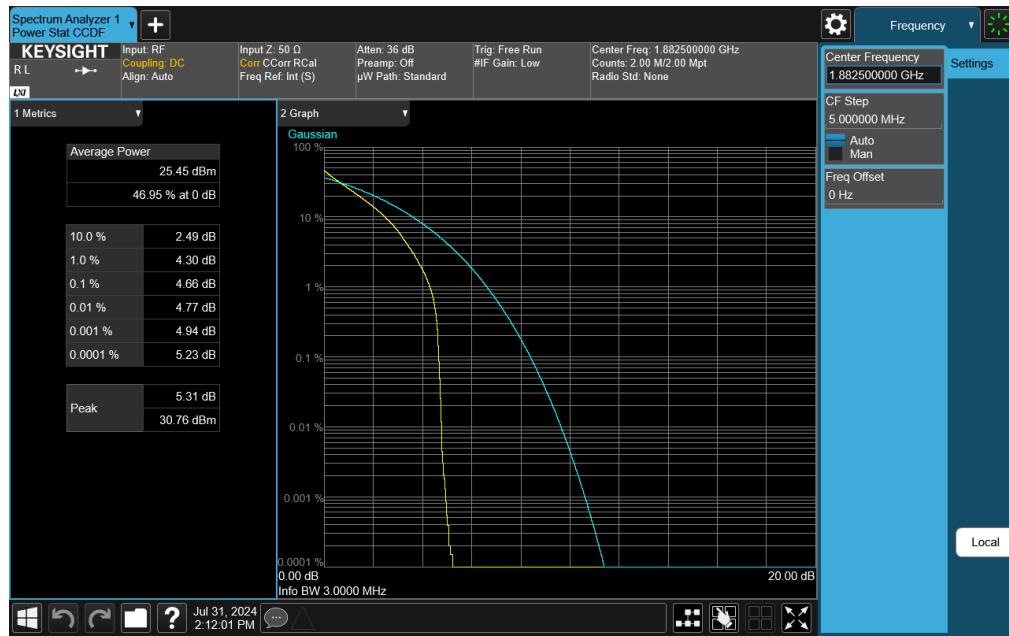


Plot 7-194. PAR Plot (LTE Band 25 - 1.4MHz 16-QAM - Full RB Configuration)

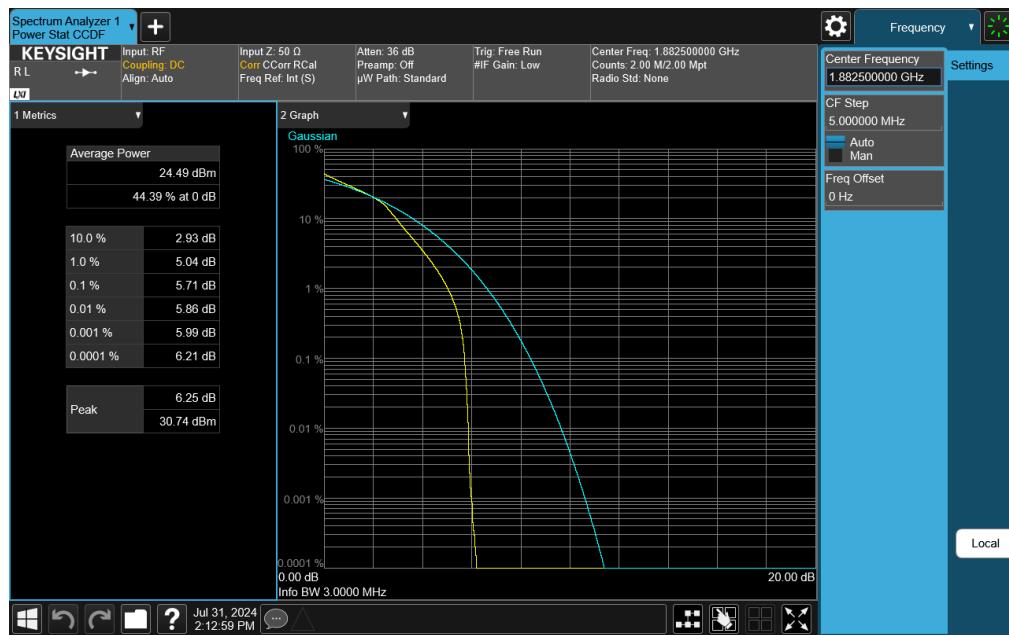
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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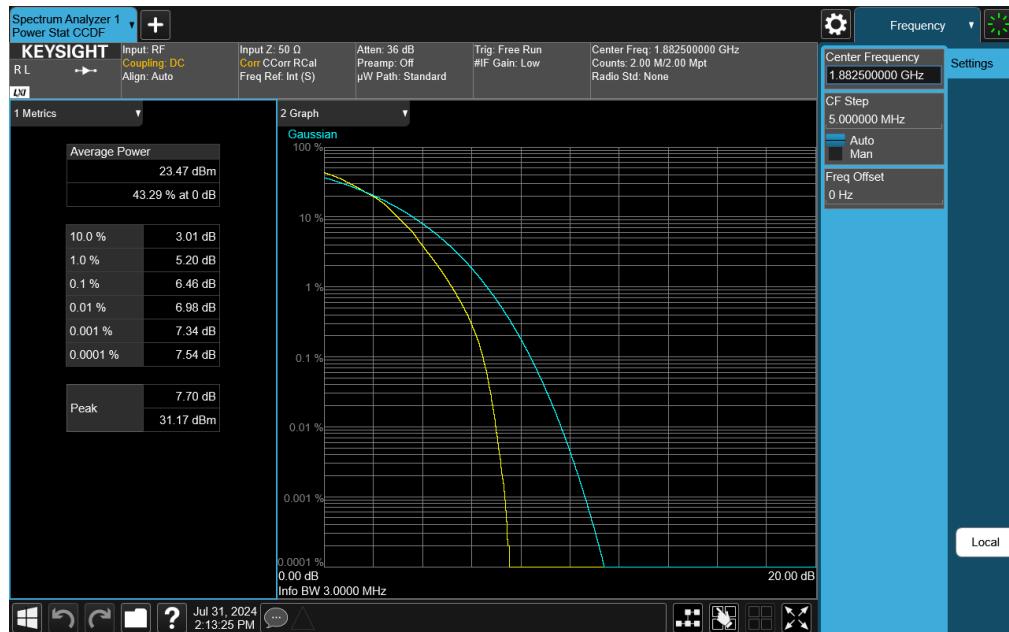


Plot 7-197. PAR Plot (LTE Band 25 - 3MHz QPSK - Full RB Configuration)

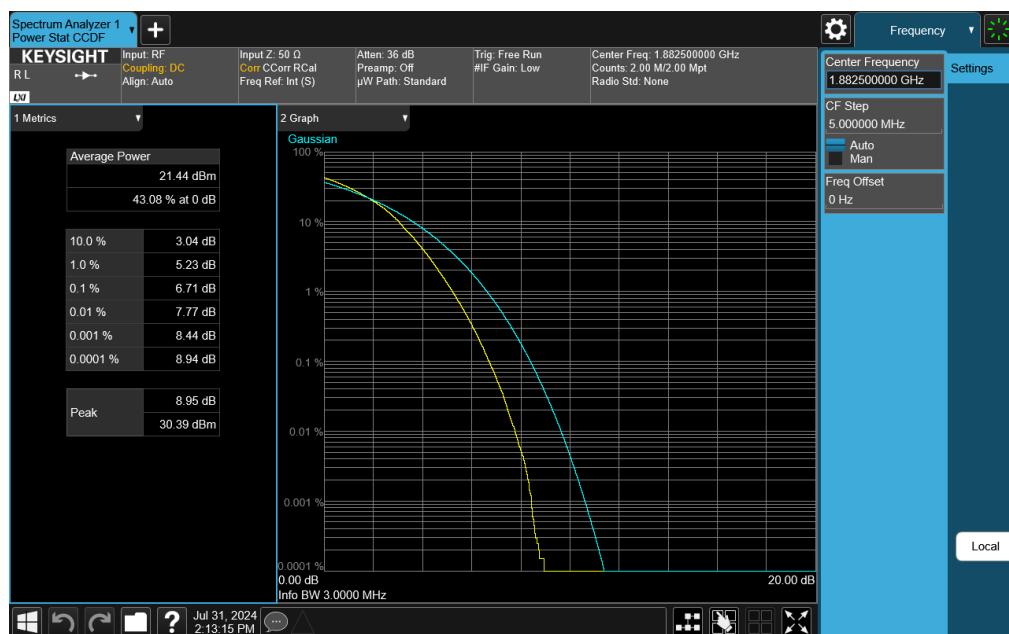


Plot 7-198. PAR Plot (LTE Band 25 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA3269	 element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
<b>Test Report S/N:</b> 1C2410210075-08.BCG	<b>Test Dates:</b> 7/1/2024 - 12/26/2024	<b>EUT Type:</b> Tablet Device		Page 121 of 219

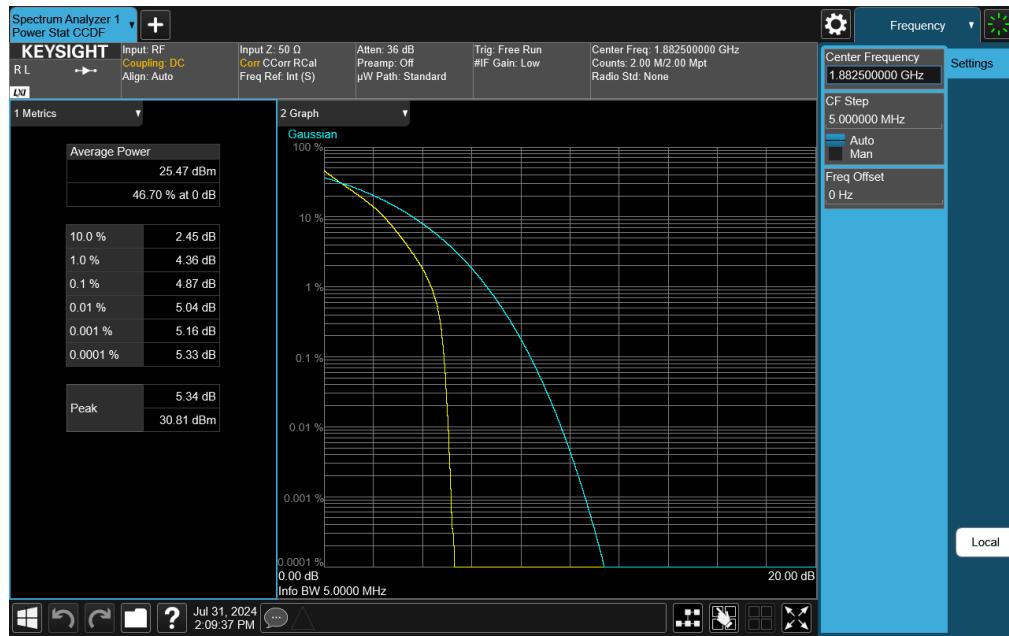


Plot 7-199. PAR Plot (LTE Band 25 - 3MHz 64-QAM - Full RB Configuration)

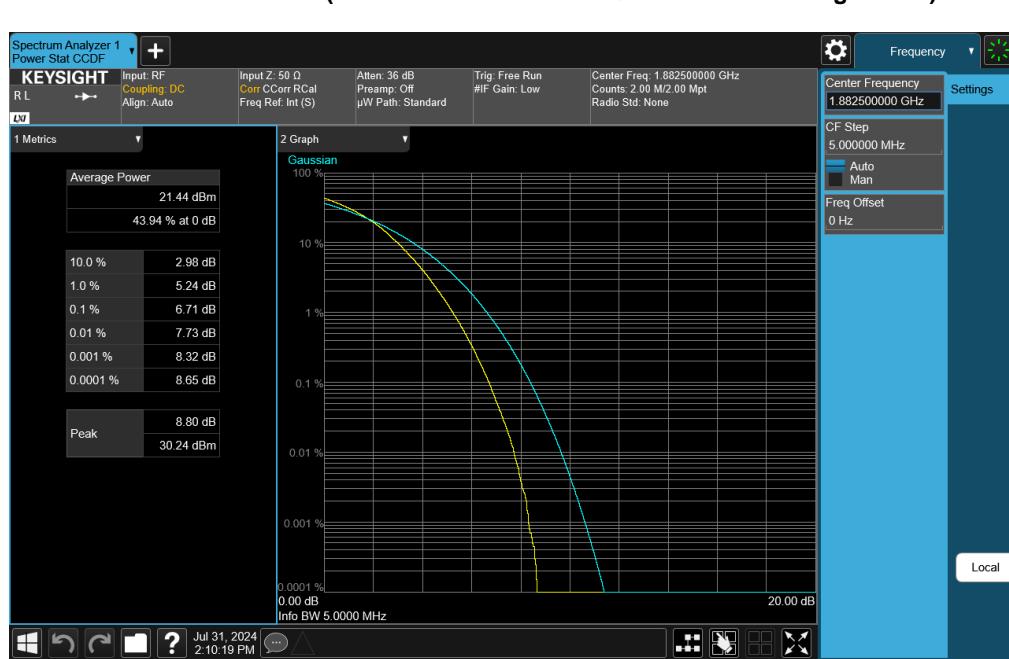
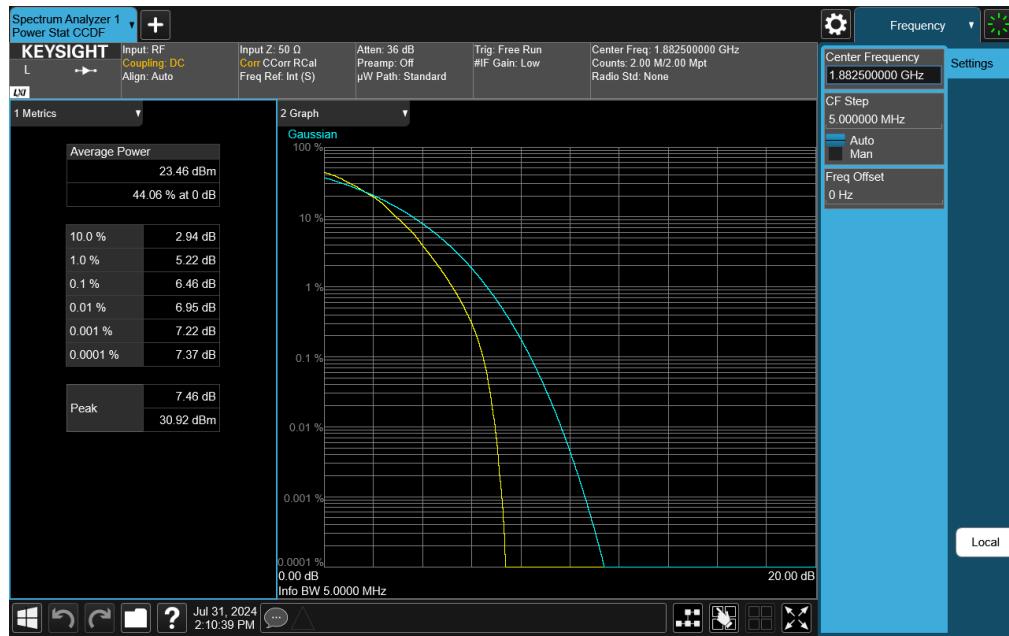


Plot 7-200. PAR Plot (LTE Band 25 - 3MHz 256-QAM - Full RB Configuration)

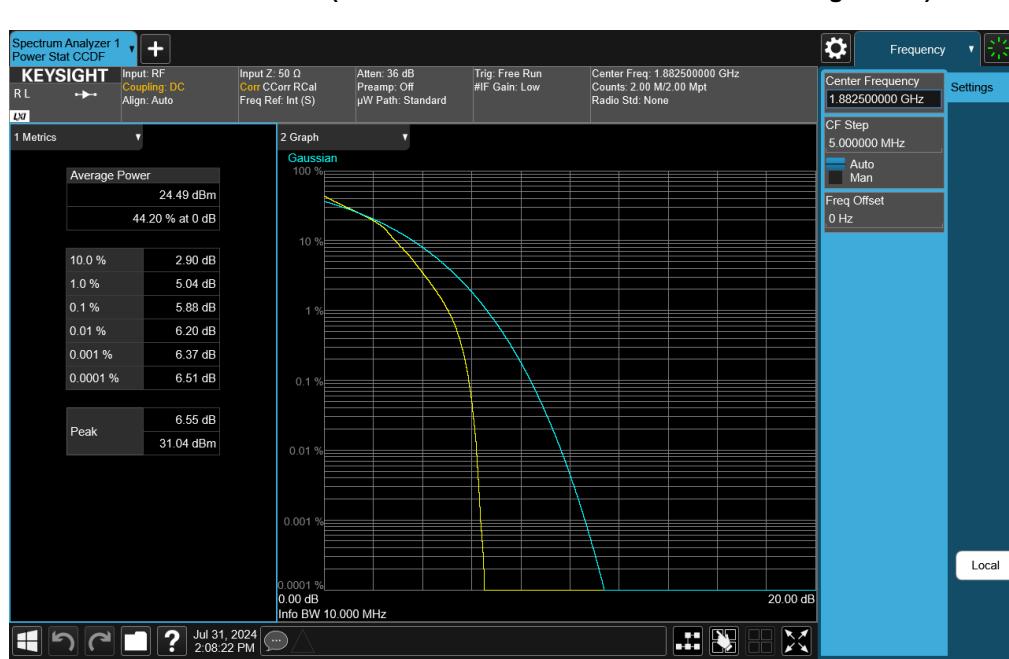
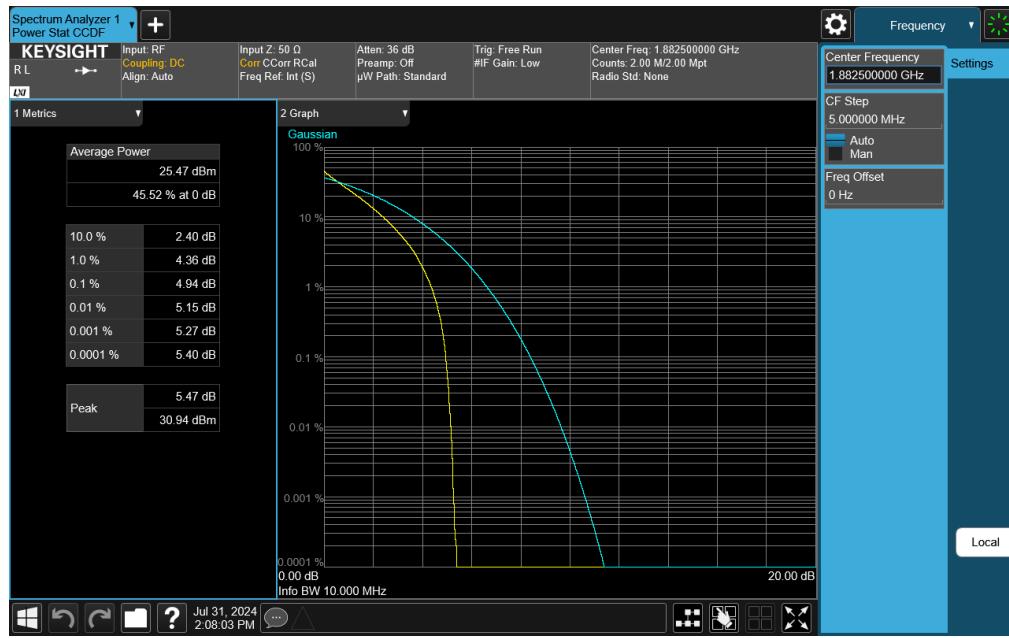
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 122 of 219



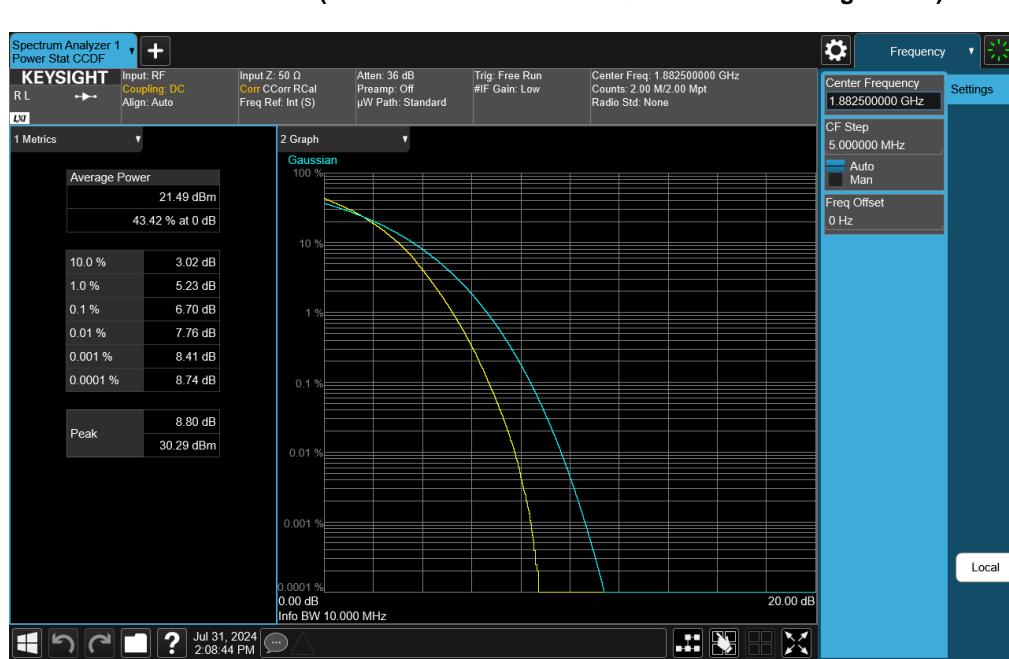
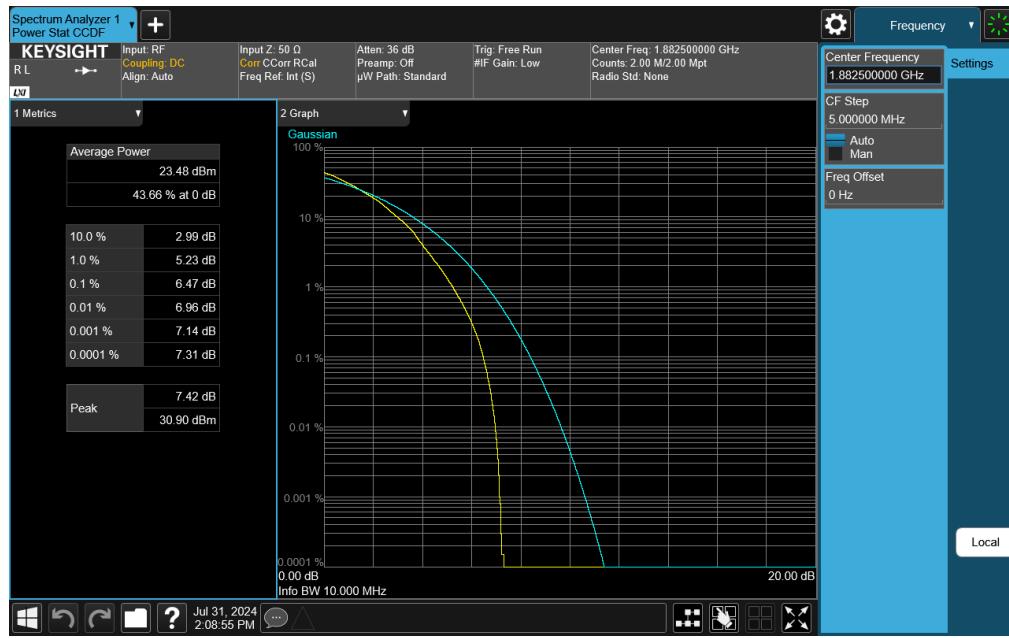
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 123 of 219



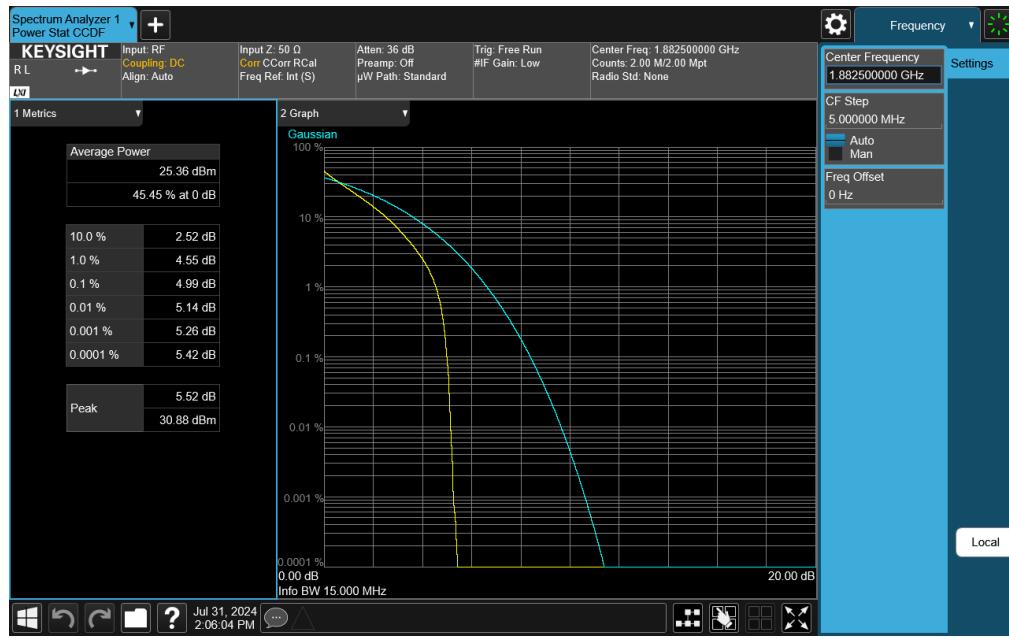
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 124 of 219



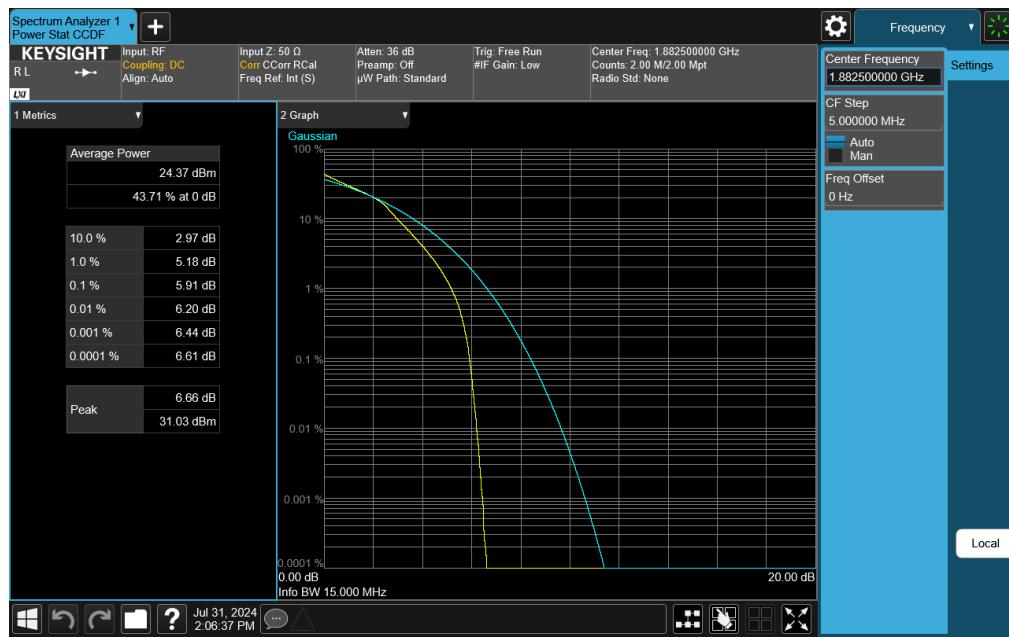
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 125 of 219



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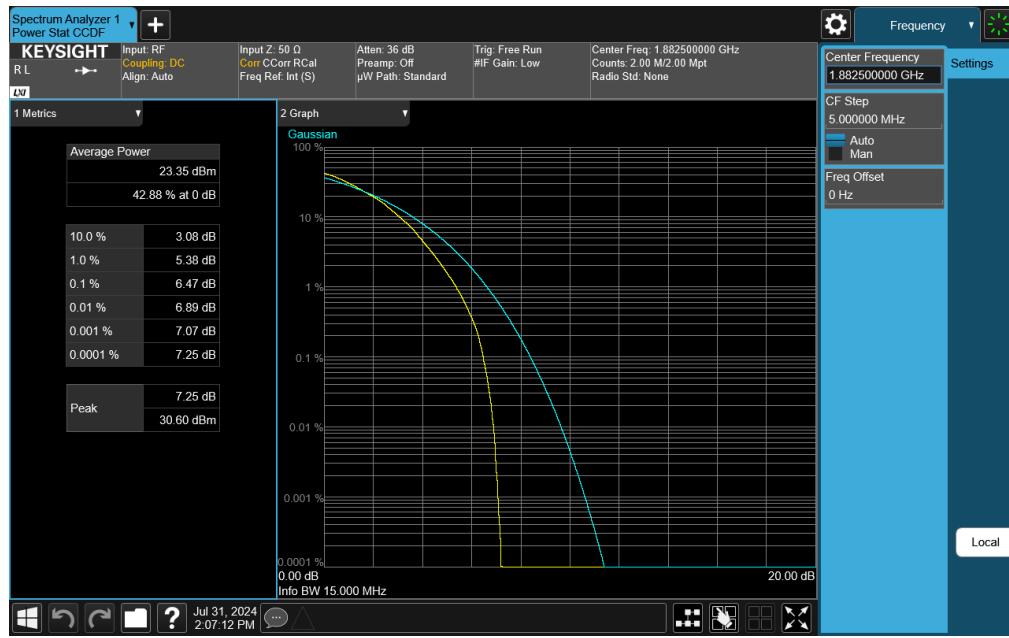


Plot 7-209. PAR Plot (LTE Band 25 - 15MHz QPSK - Full RB Configuration)

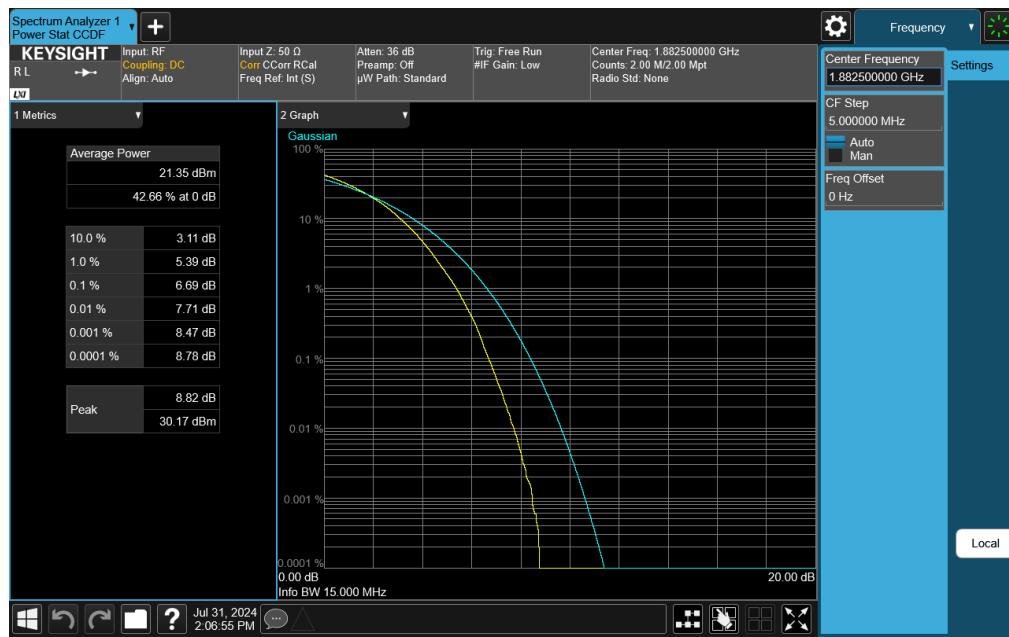


Plot 7-210. PAR Plot (LTE Band 25 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 127 of 219

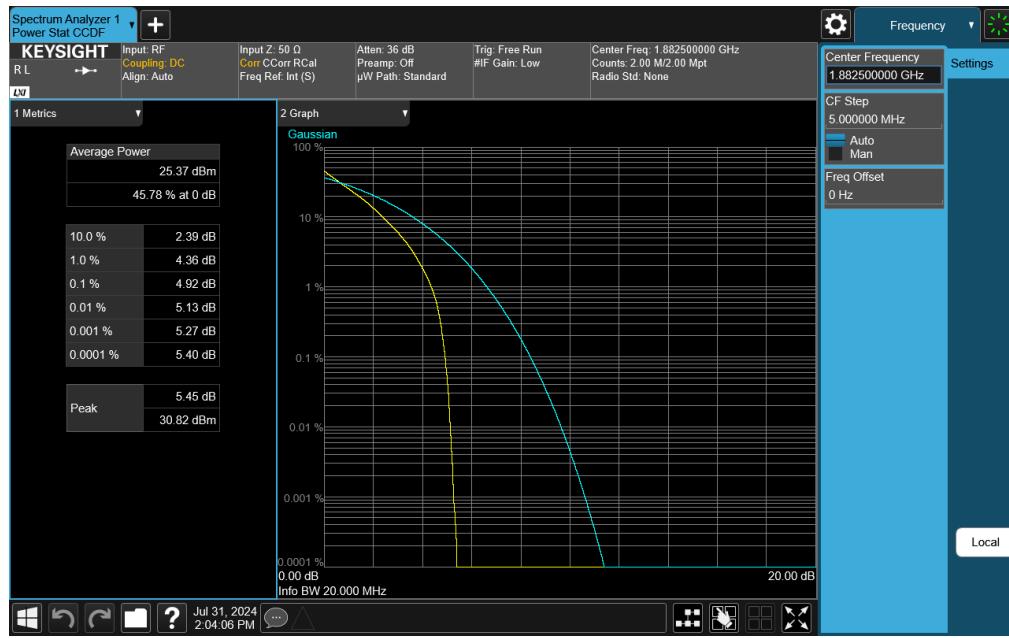


Plot 7-211. PAR Plot (LTE Band 25 - 15MHz 64-QAM - Full RB Configuration)

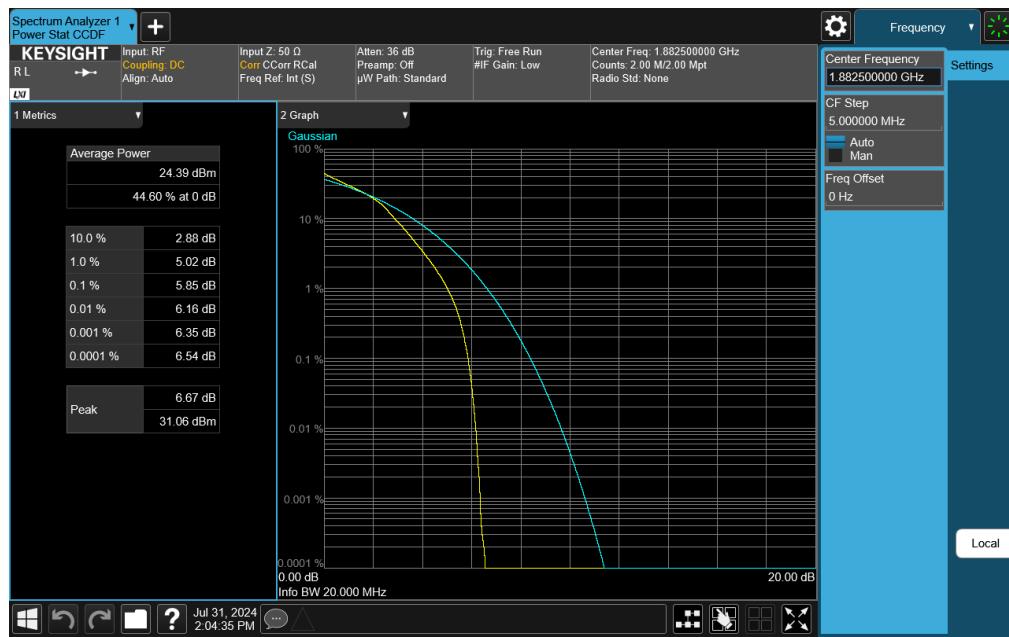


Plot 7-212. PAR Plot (LTE Band 25 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 128 of 219

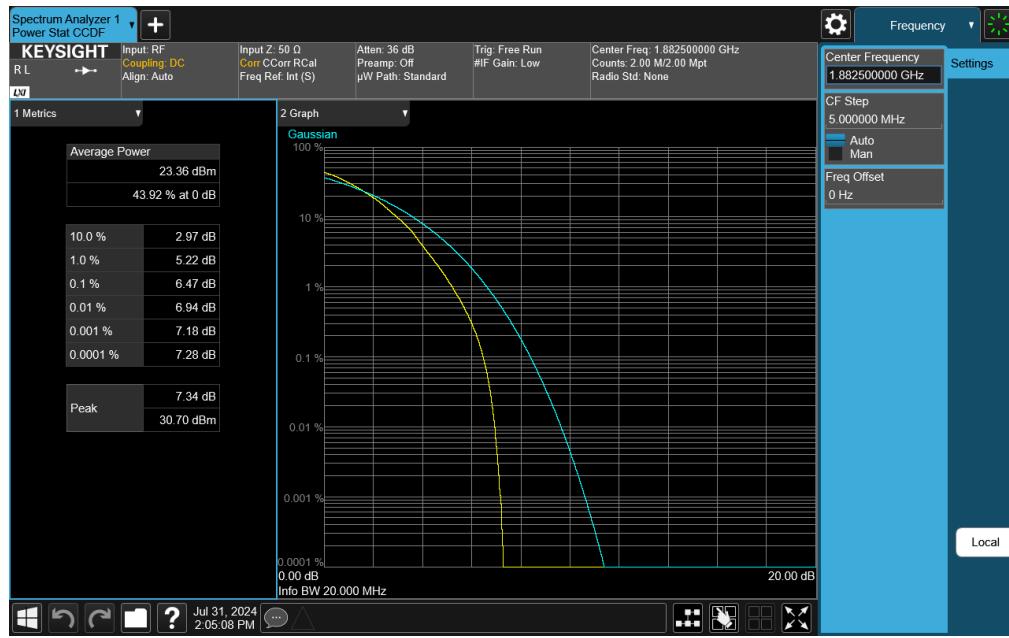


Plot 7-213. PAR Plot (LTE Band 25 - 20MHz QPSK - Full RB Configuration)

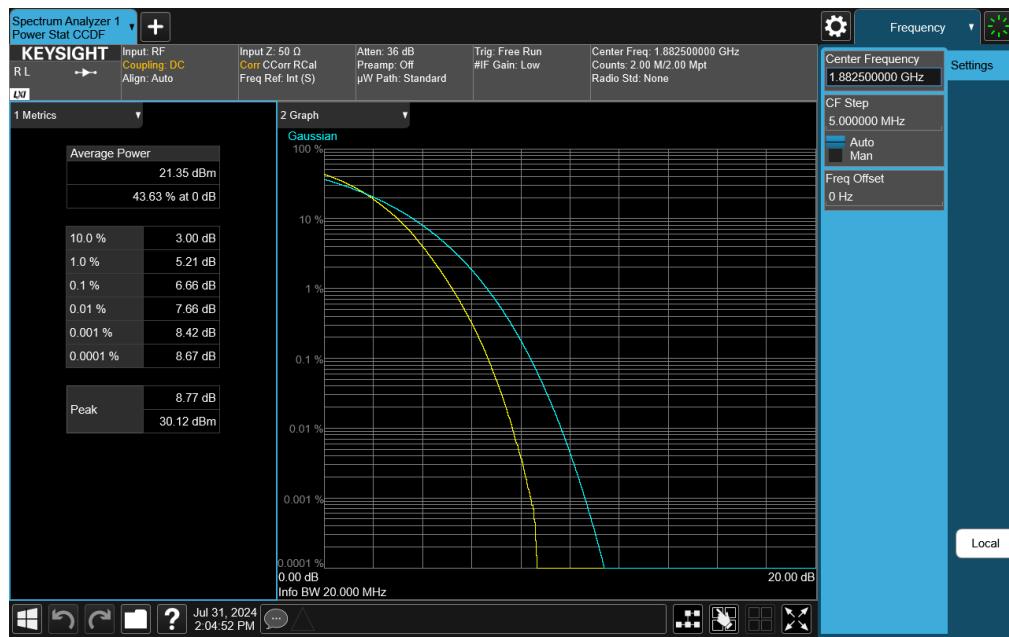


Plot 7-214. PAR Plot (LTE Band 25 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 129 of 219



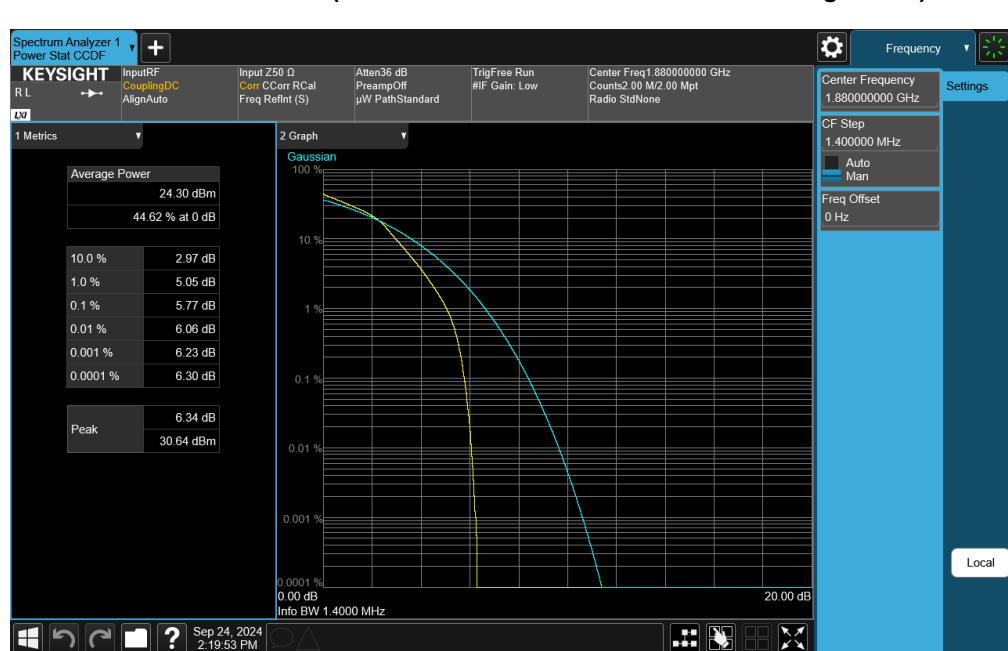
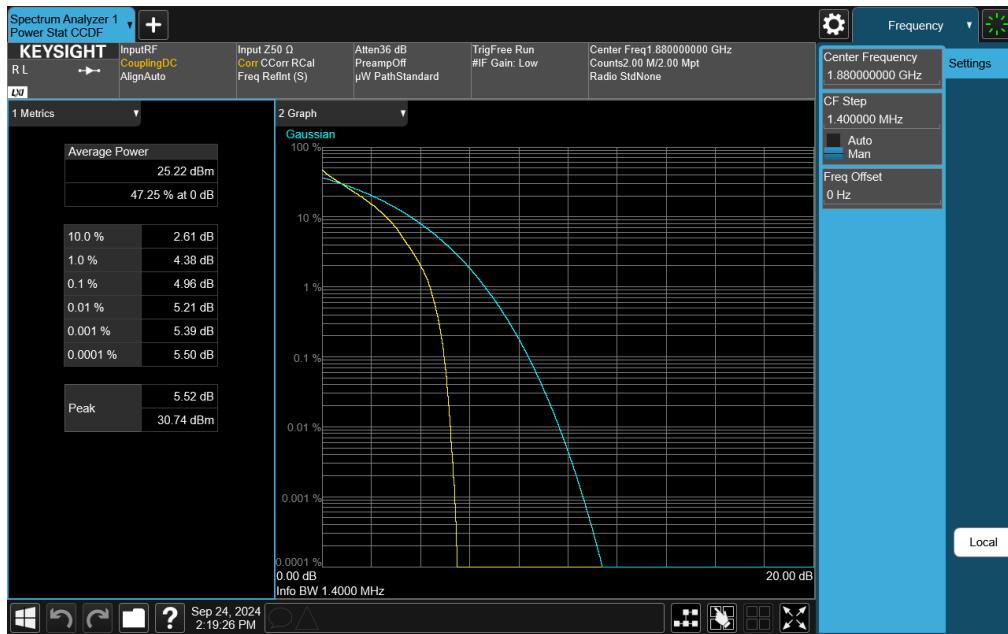
Plot 7-215. PAR Plot (LTE Band 25 - 20MHz 64-QAM - Full RB Configuration)



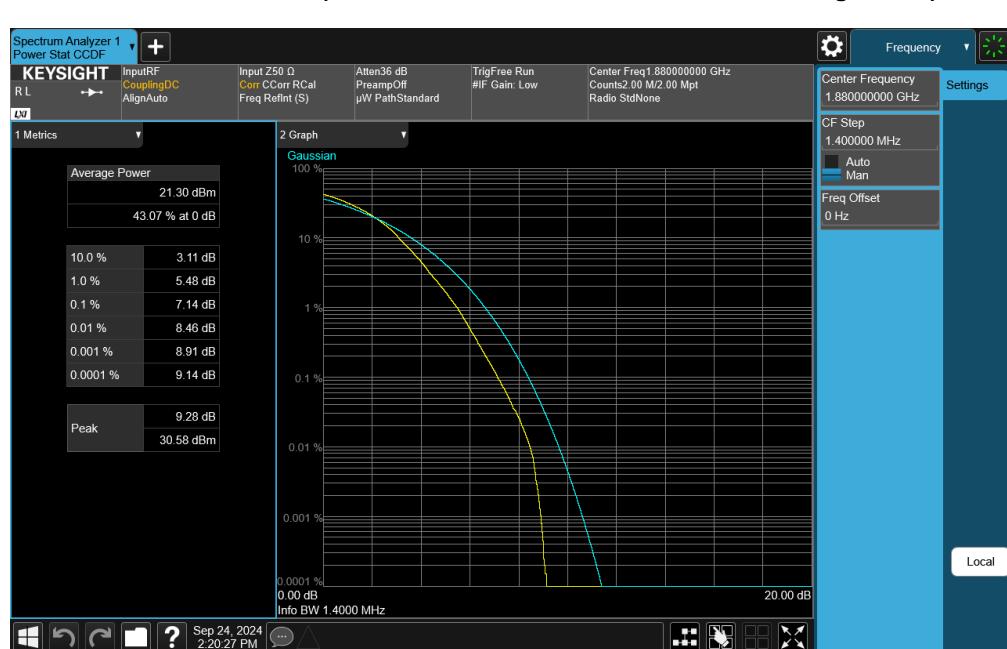
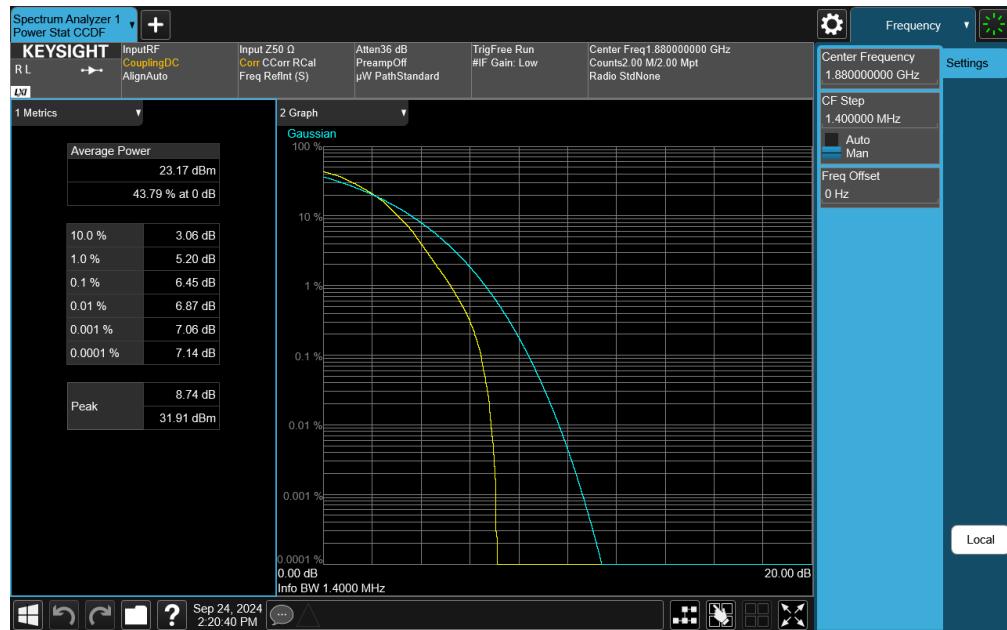
Plot 7-216. PAR Plot (LTE Band 25 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 130 of 219

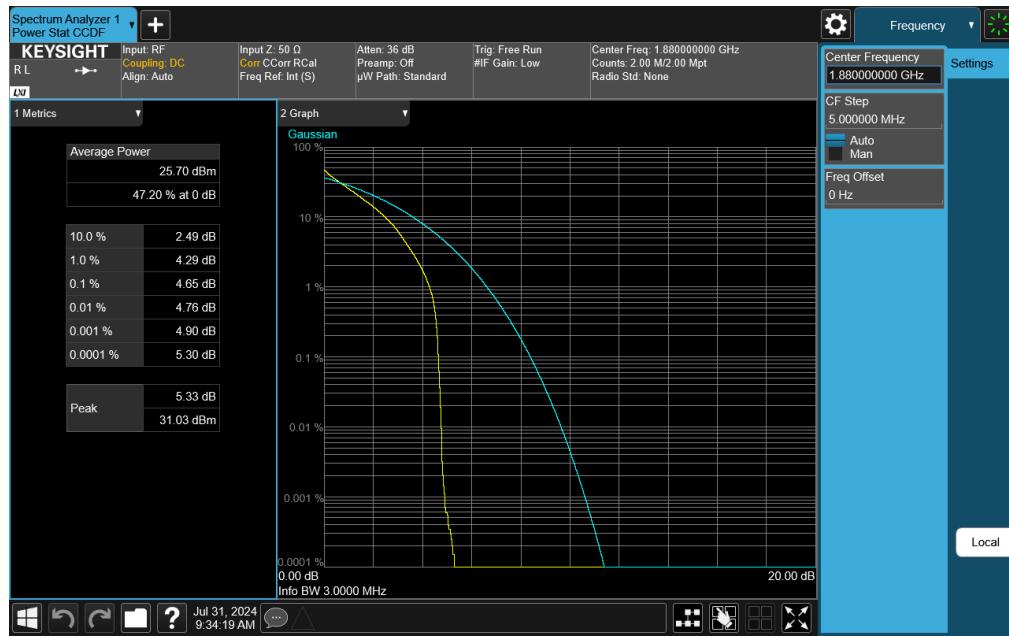
## LTE Band 2



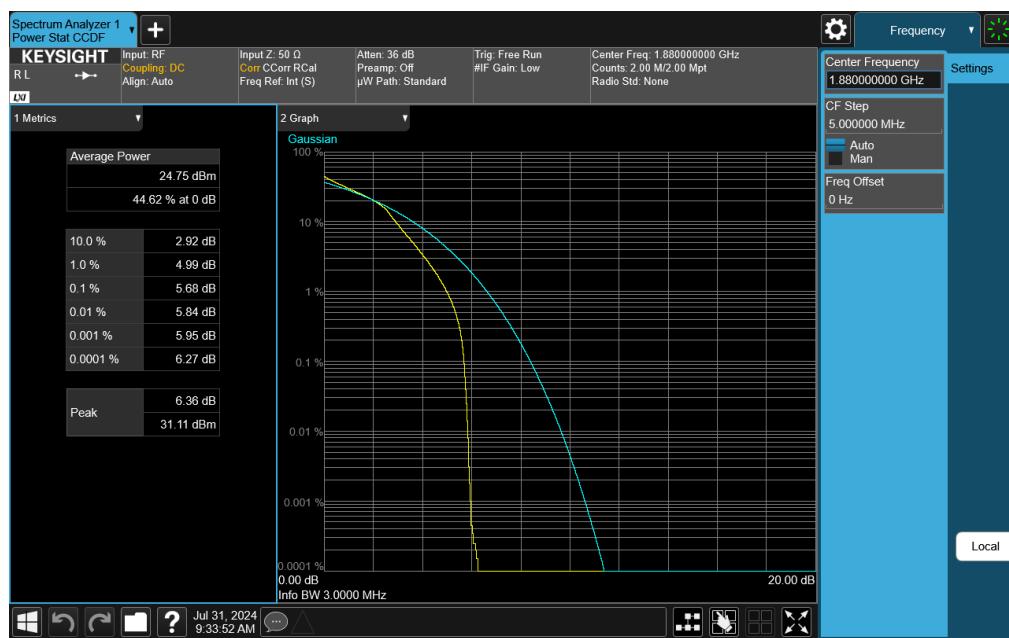
FCC ID: BCGA3269	<b>element</b>		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device		Page 131 of 219



FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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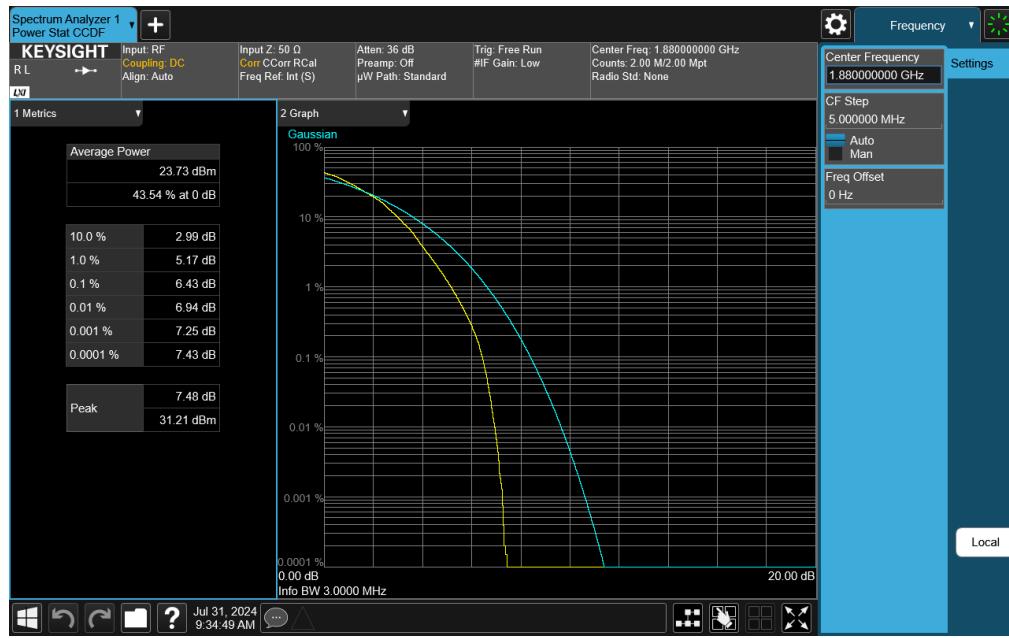


Plot 7-221. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)

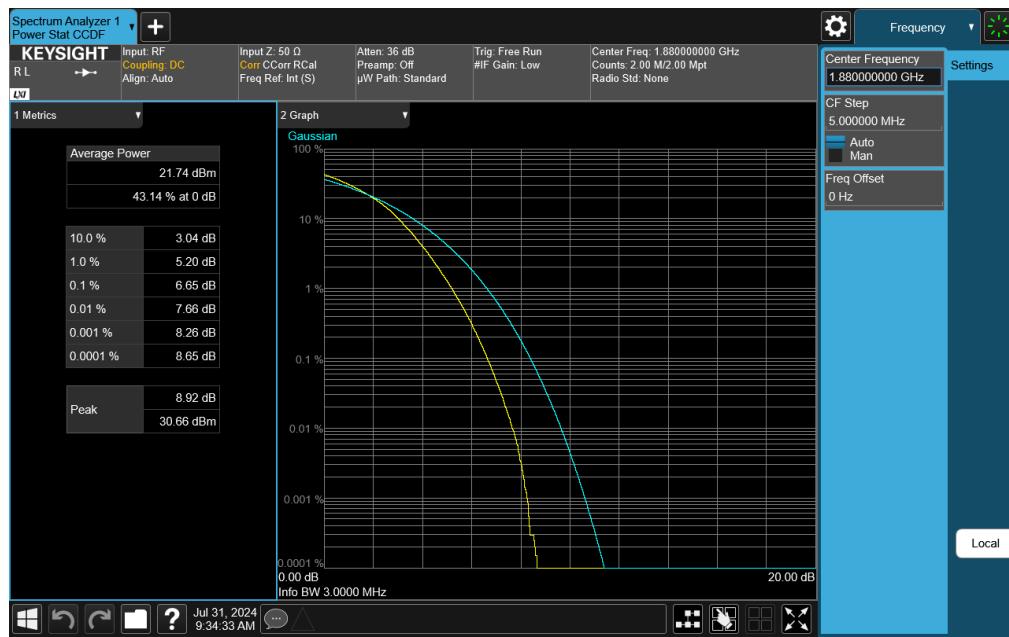


Plot 7-222. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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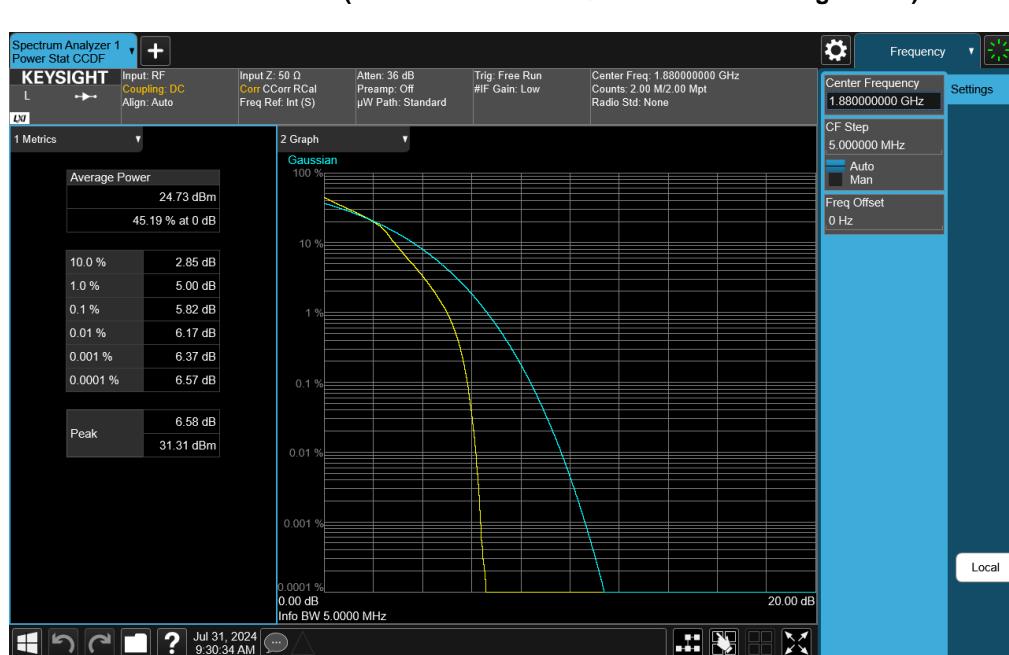
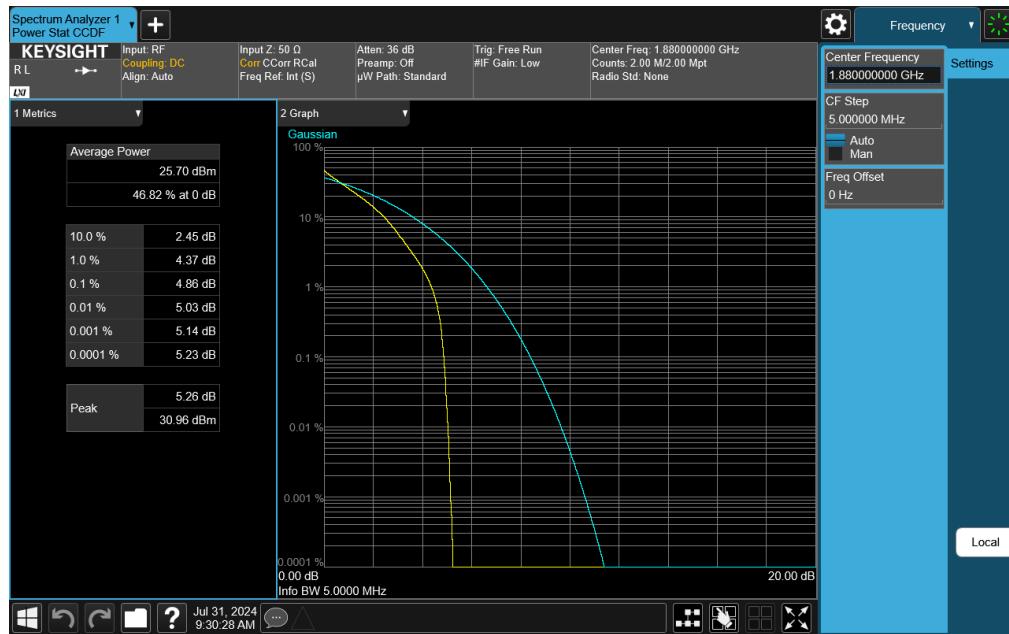


Plot 7-223. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB Configuration)

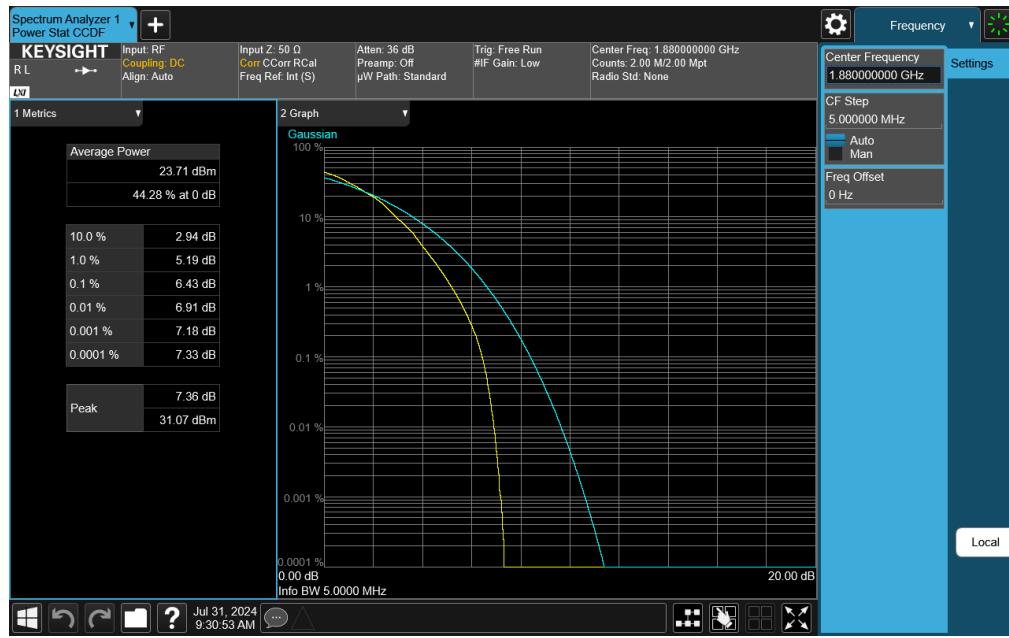


Plot 7-224. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB Configuration)

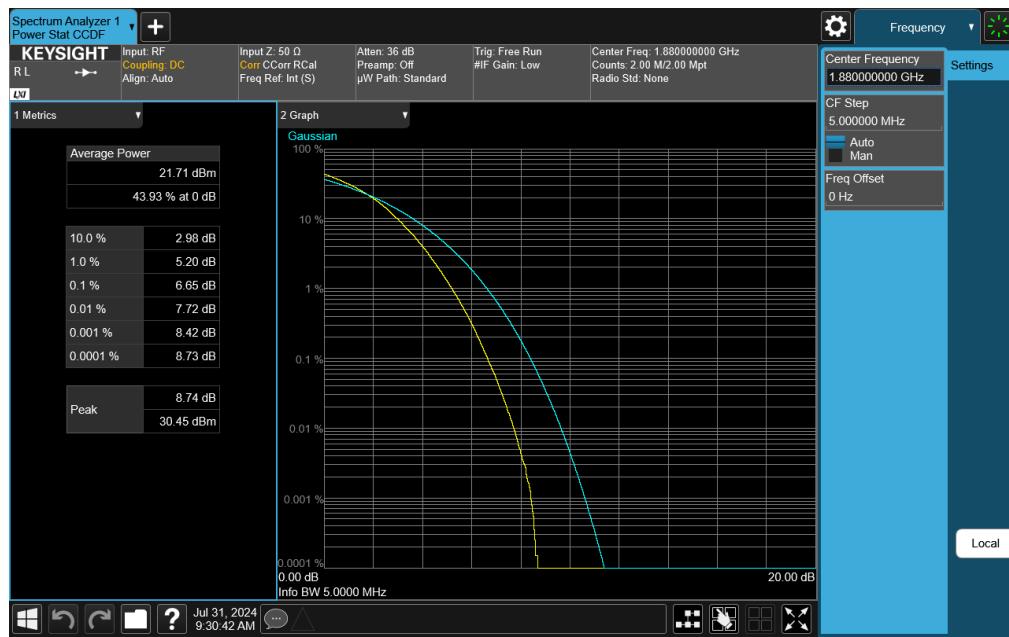
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 134 of 219



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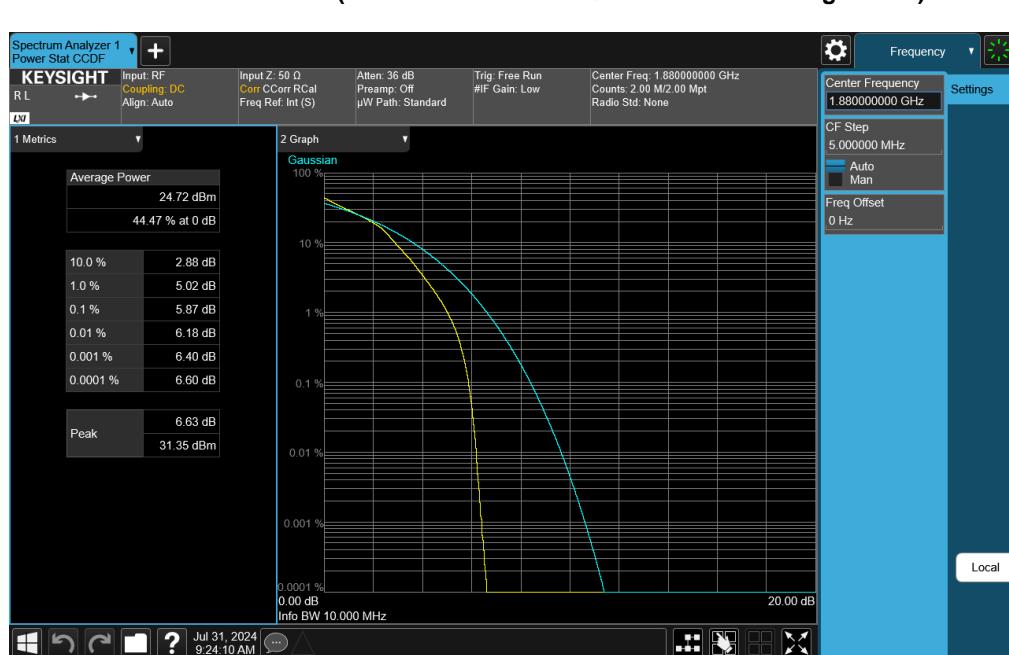
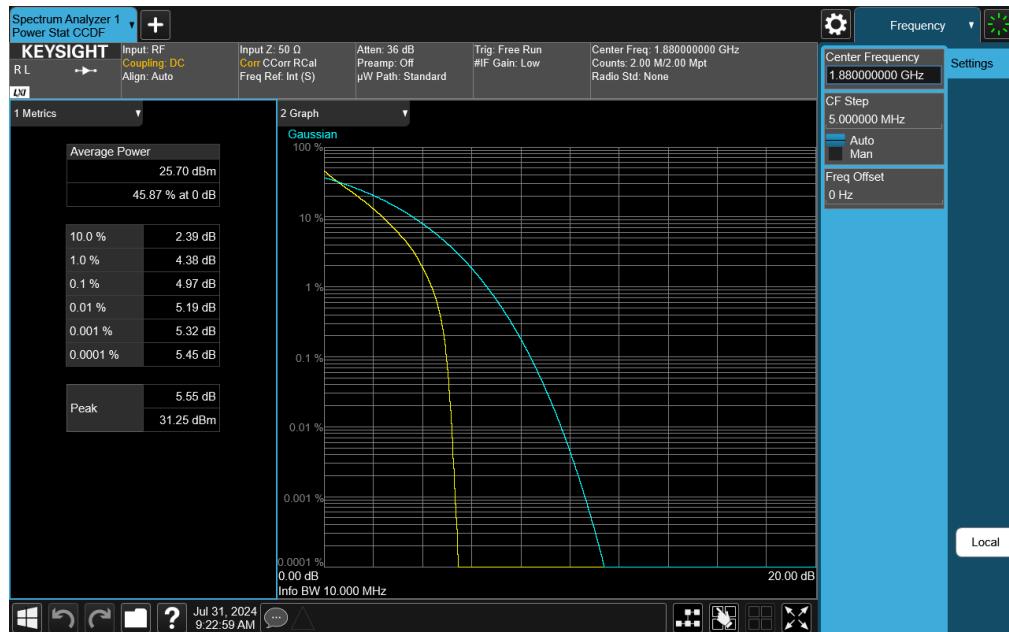


Plot 7-227. PAR Plot (LTE Band 2 - 5MHz 64-QAM - Full RB Configuration)

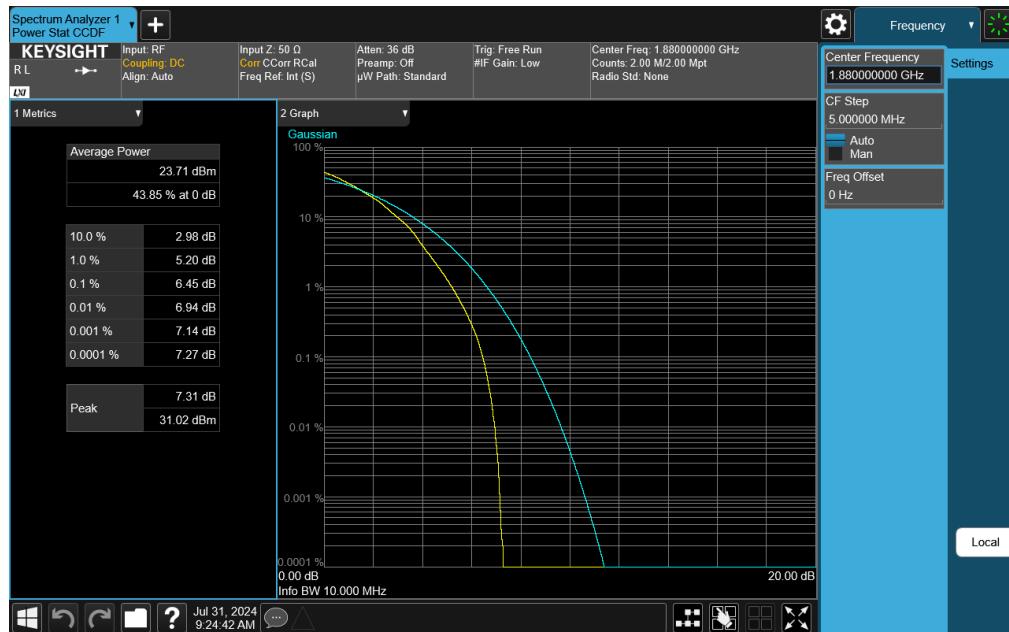


Plot 7-228. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB Configuration)

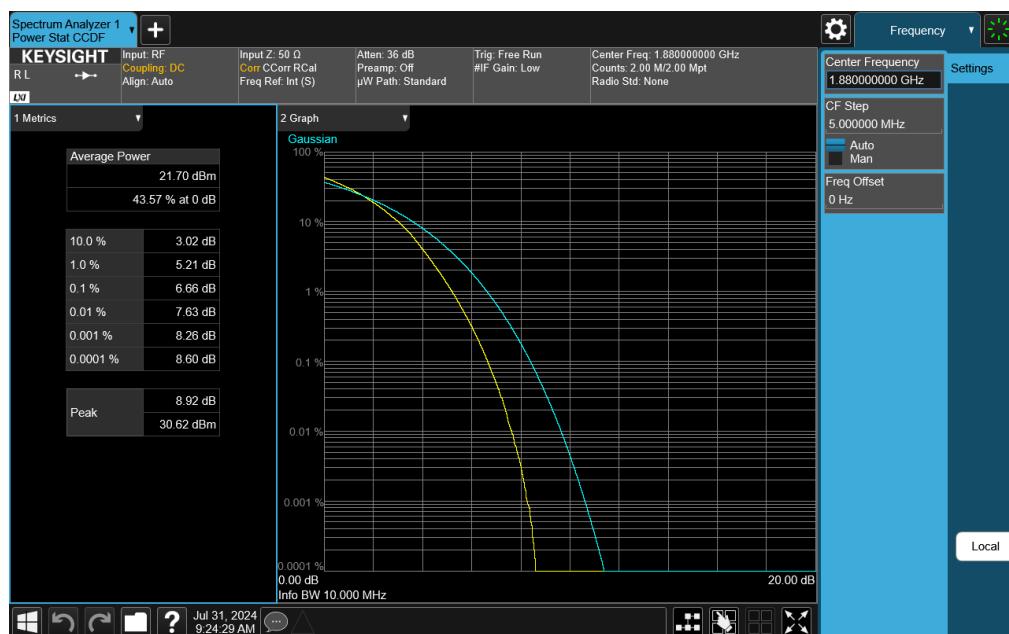
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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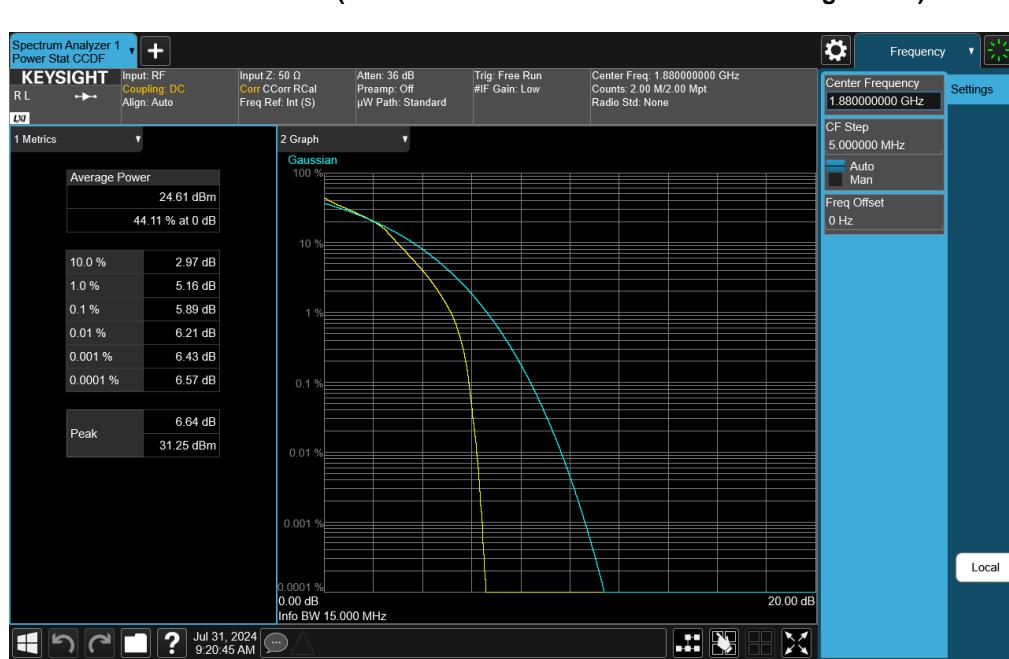
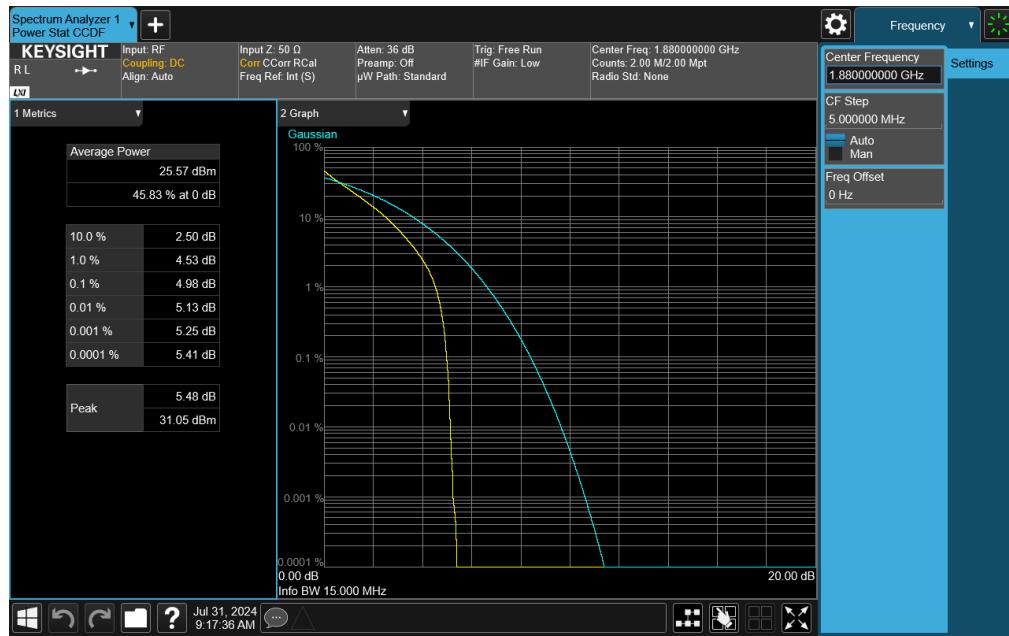


Plot 7-231. PAR Plot (LTE Band 2 - 10MHz 64-QAM - Full RB Configuration)

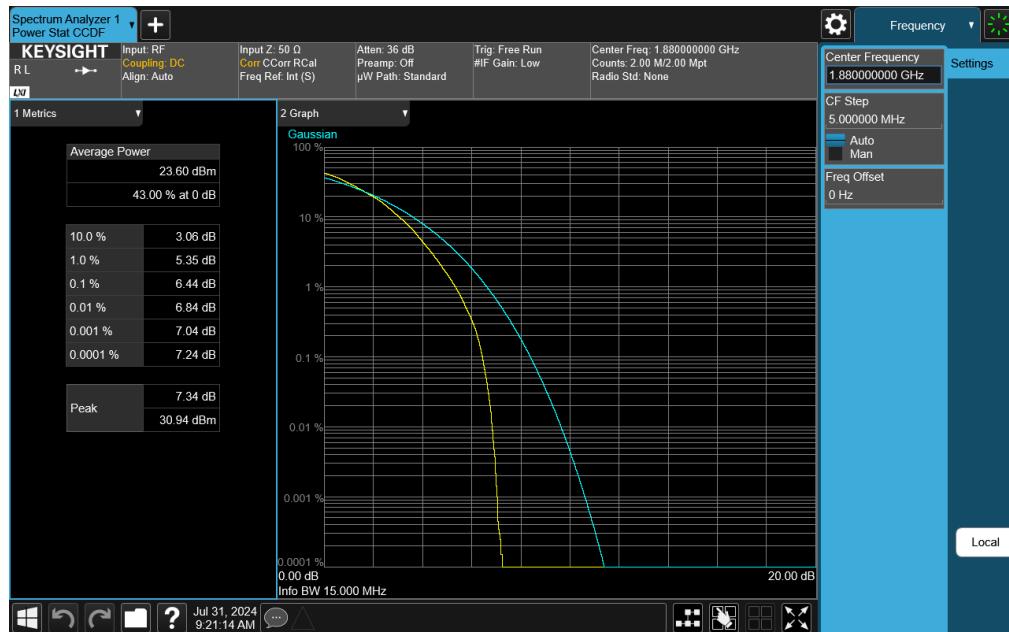


Plot 7-232. PAR Plot (LTE Band 2 - 10MHz 256-QAM - Full RB Configuration)

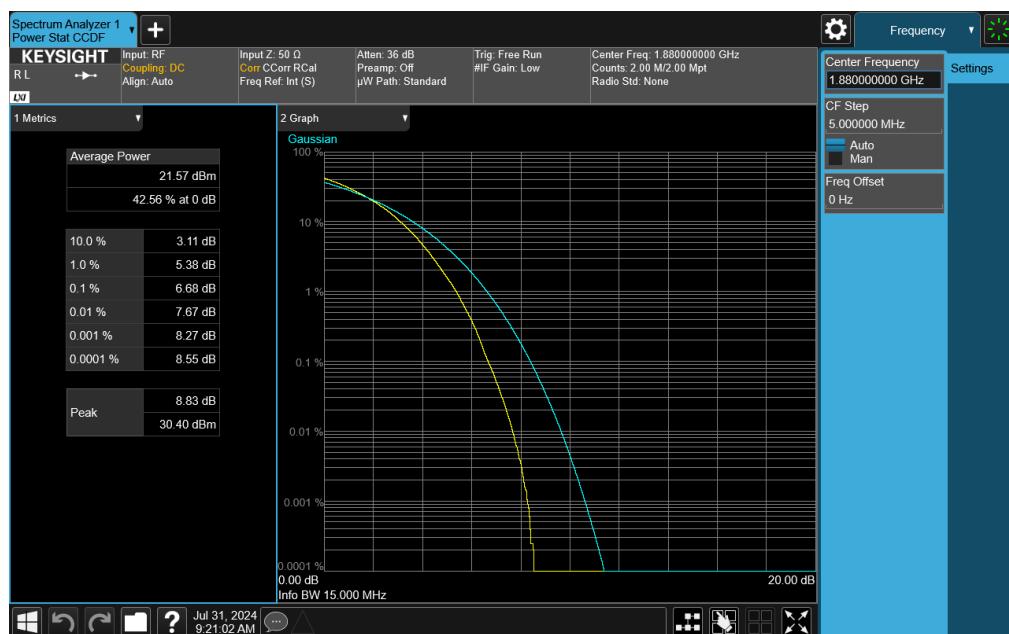
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-08.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 138 of 219



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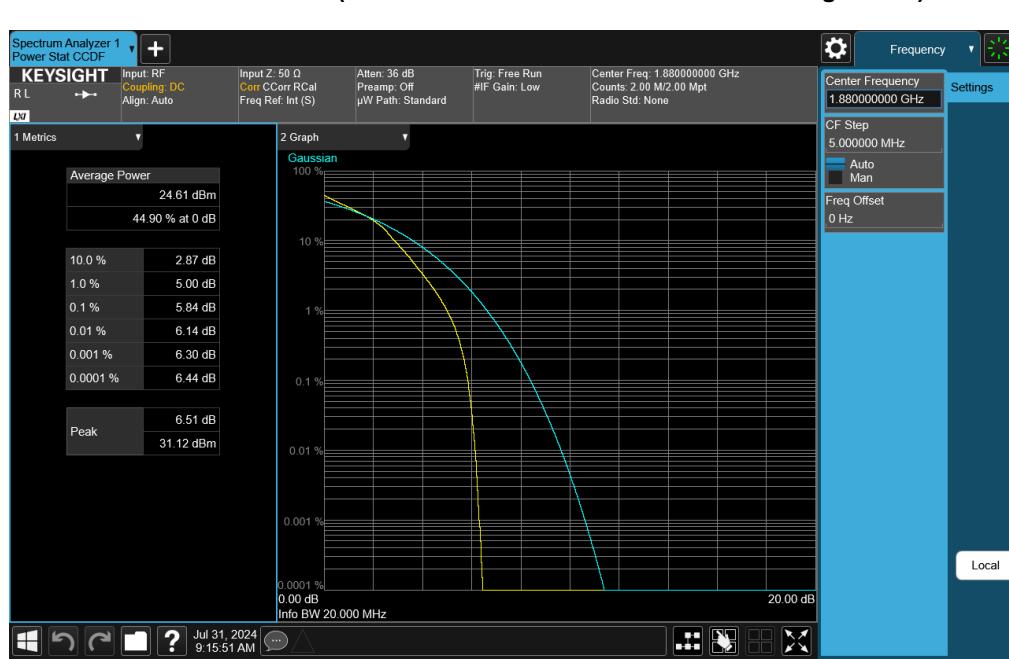
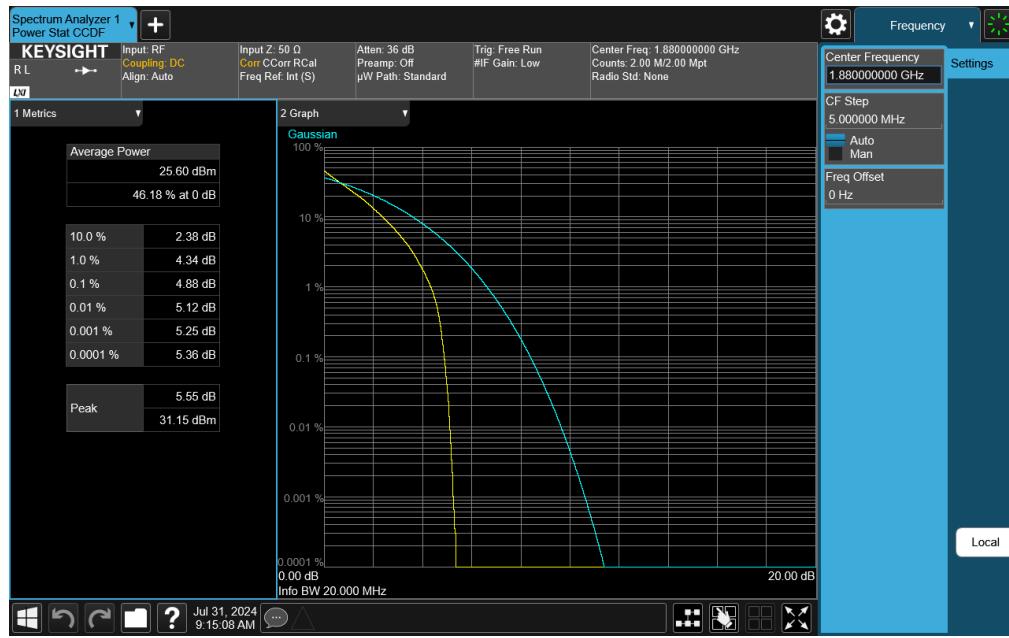


Plot 7-235. PAR Plot (LTE Band 2 - 15MHz 64-QAM - Full RB Configuration)

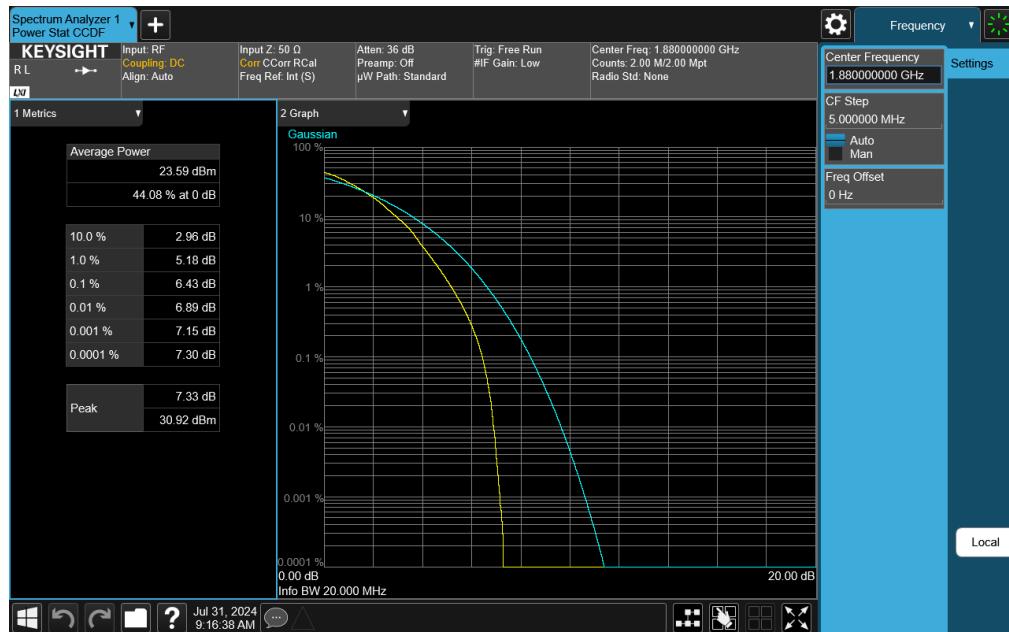


Plot 7-236. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB Configuration)

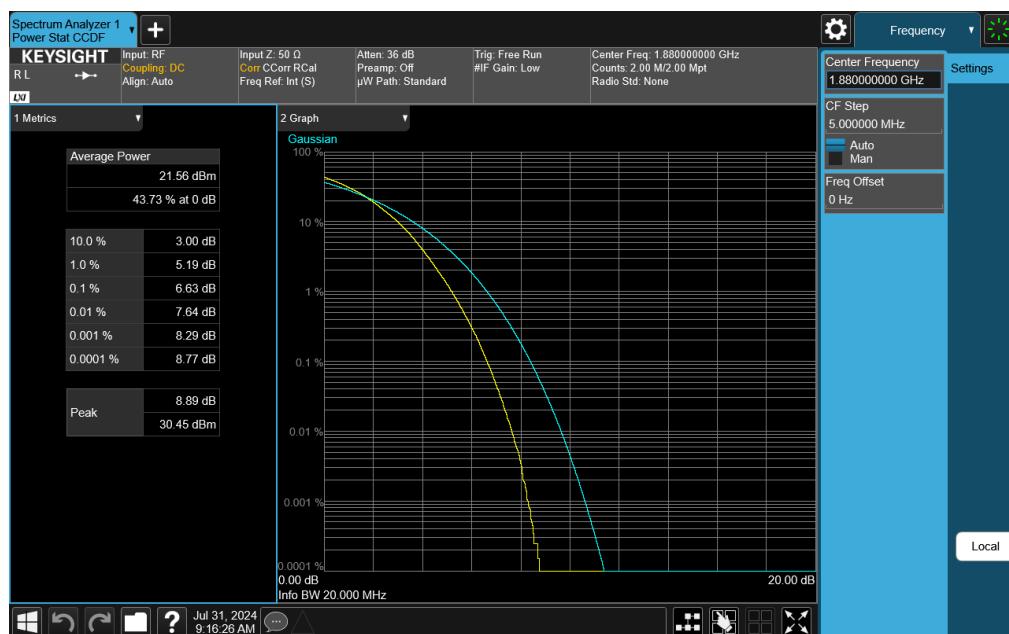
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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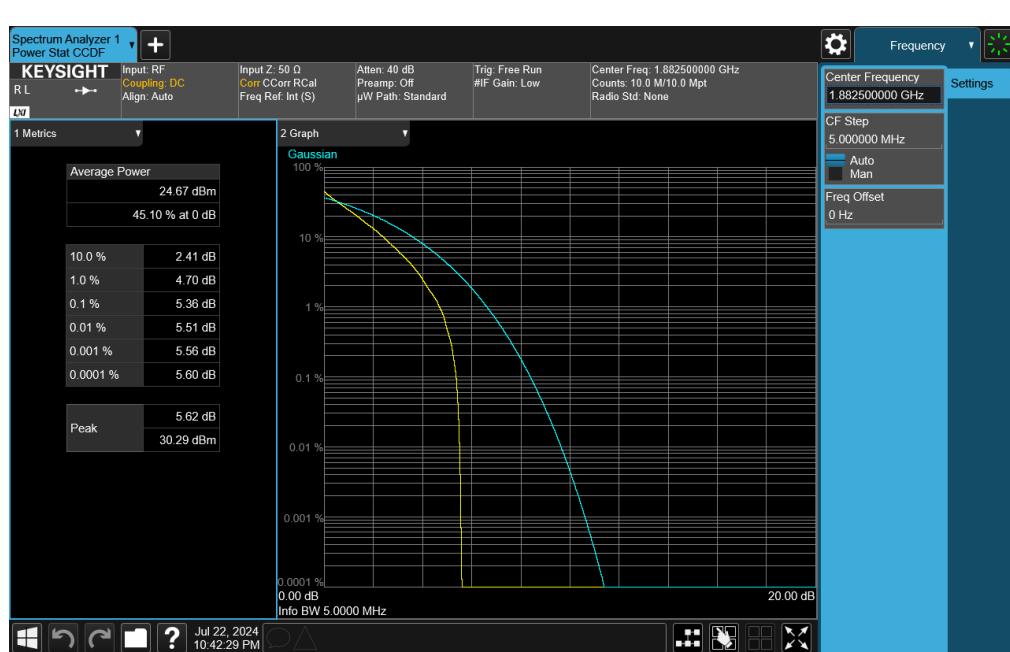
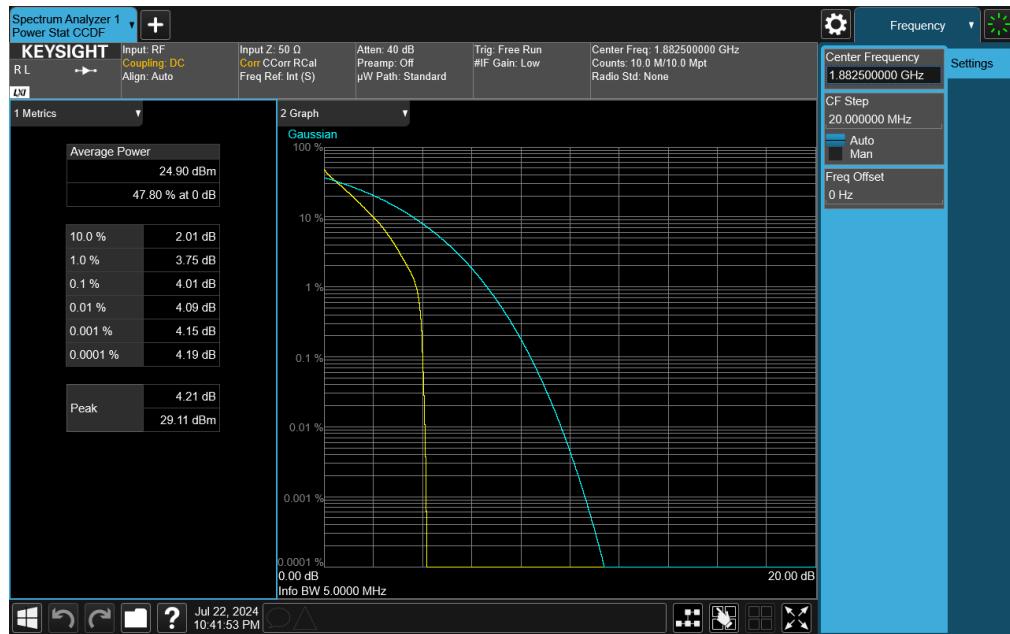
Plot 7-239. PAR Plot (LTE Band 2 - 20MHz 64-QAM - Full RB Configuration)



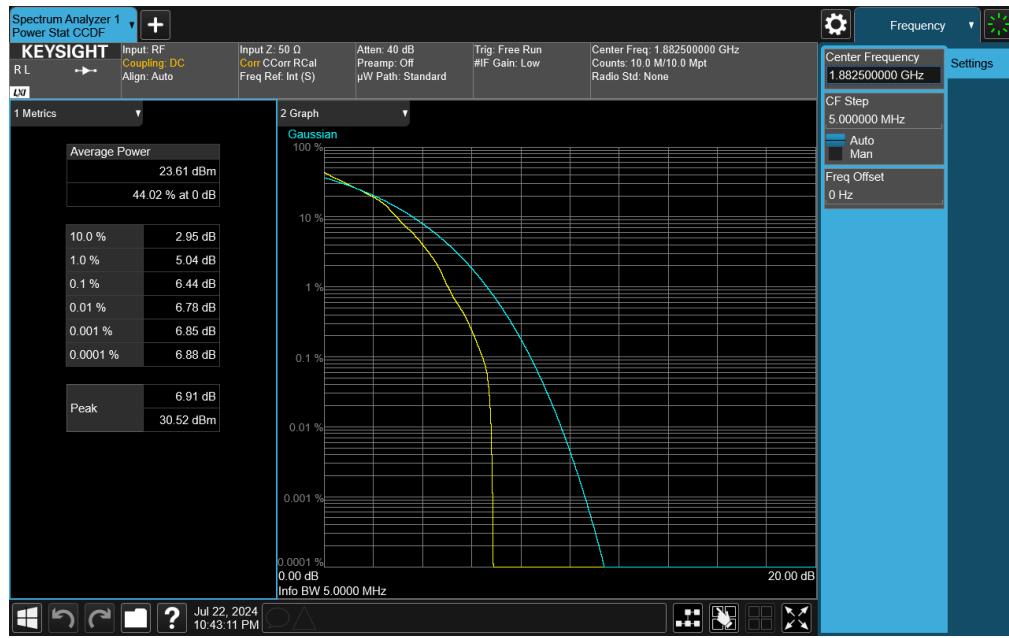
Plot 7-240. PAR Plot (LTE Band 2 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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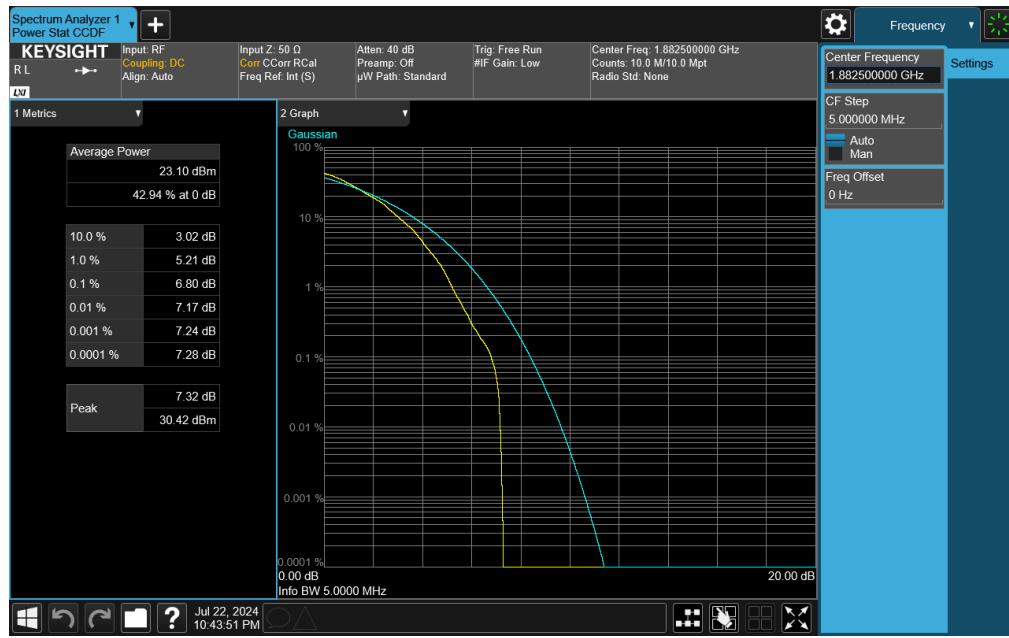
## NR Band n25



FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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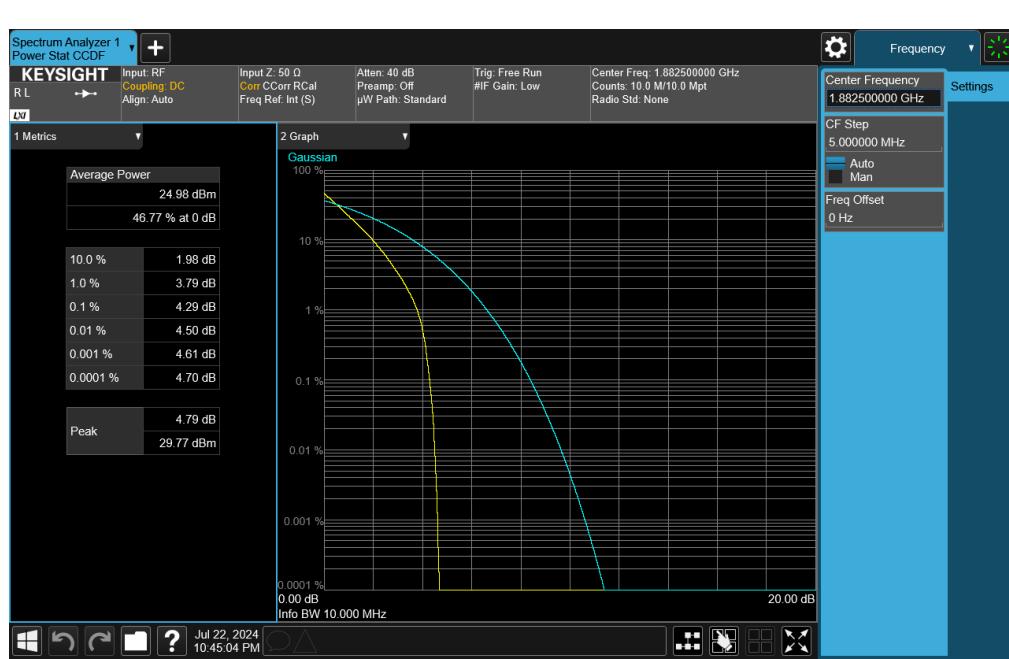
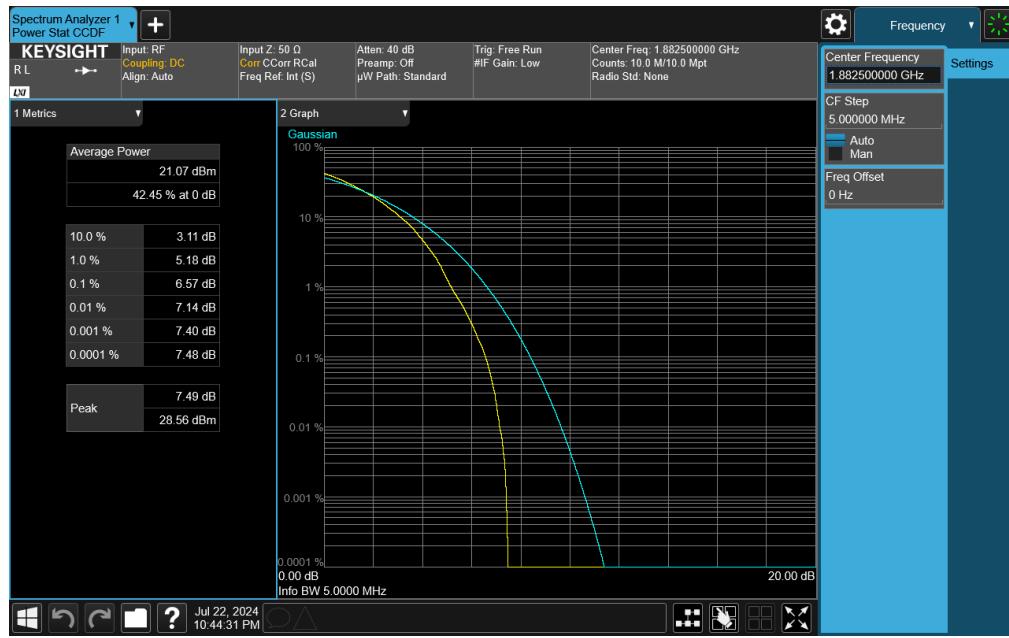


Plot 7-243. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM 16-QAM - Full RB)

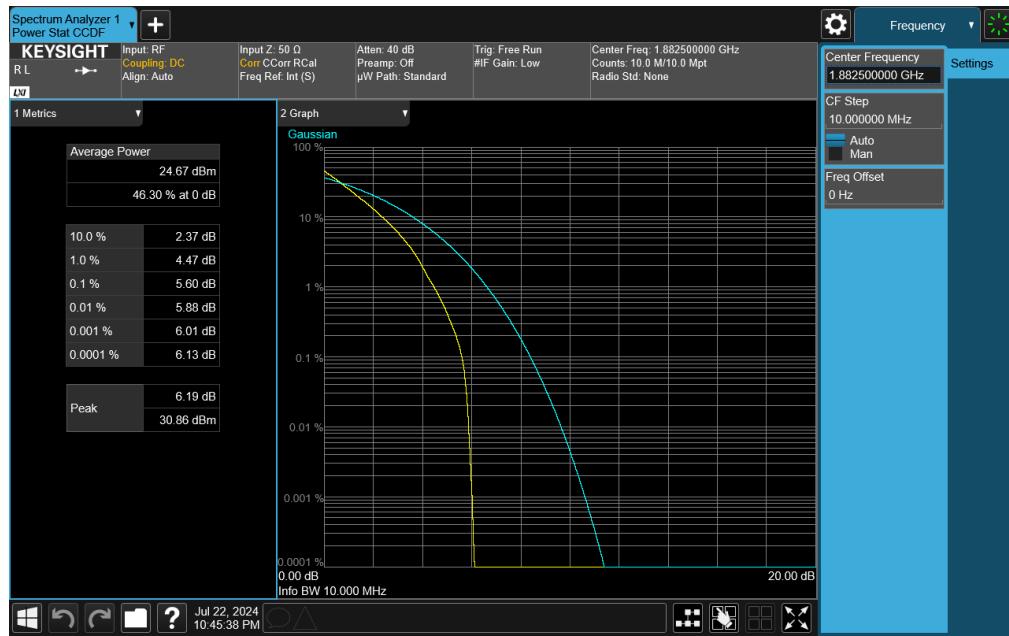


Plot 7-244. PAR Plot (NR Band n25 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

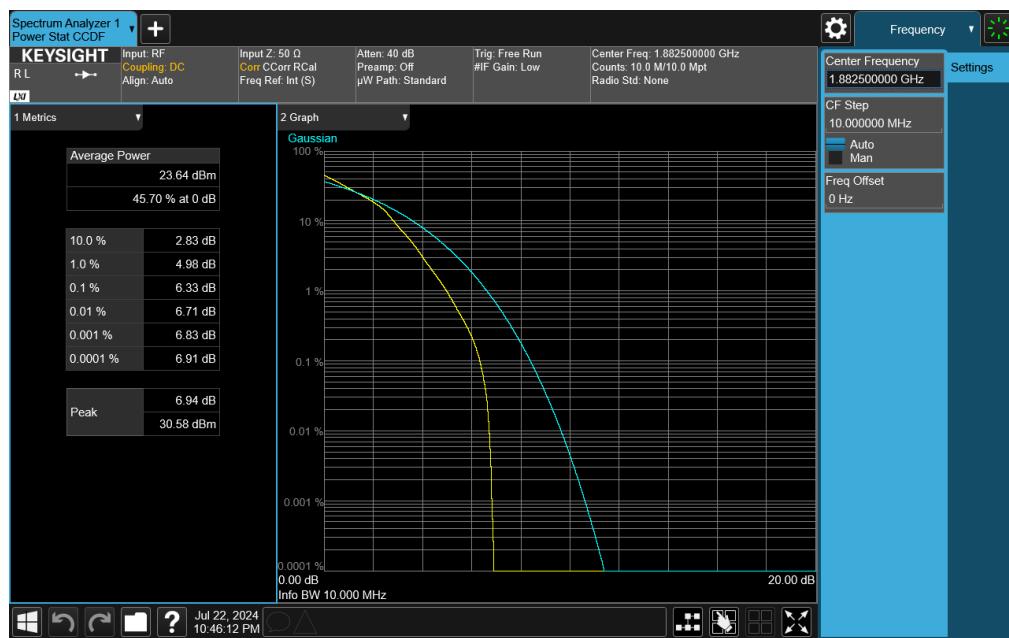
FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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**Plot 7-247. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM QPSK - Full RB)**



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

FCC ID: BCGA3269	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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