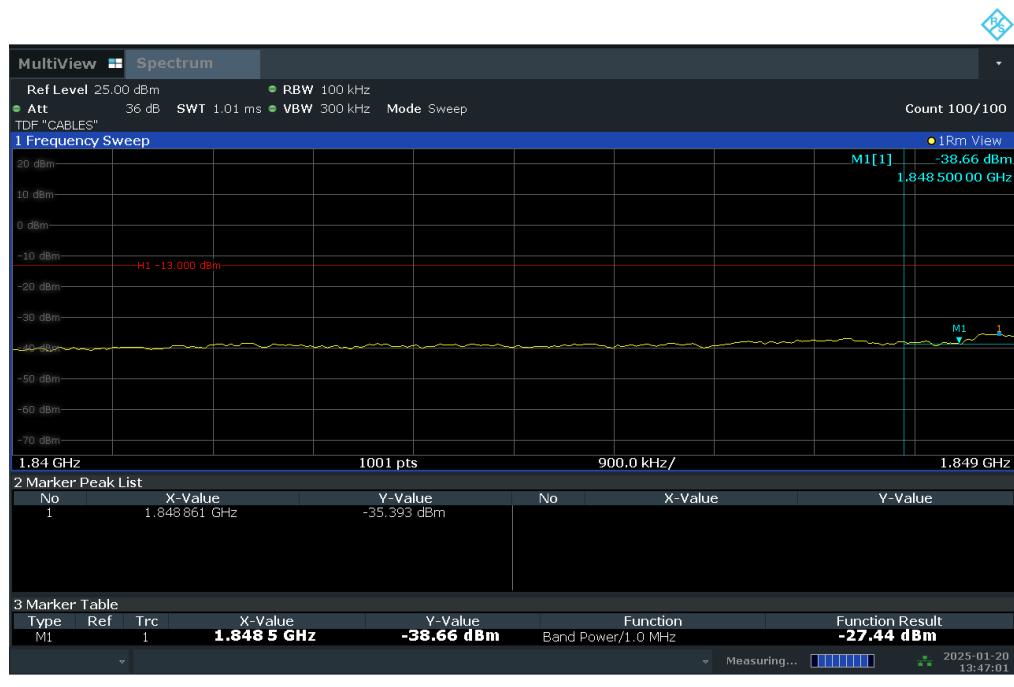
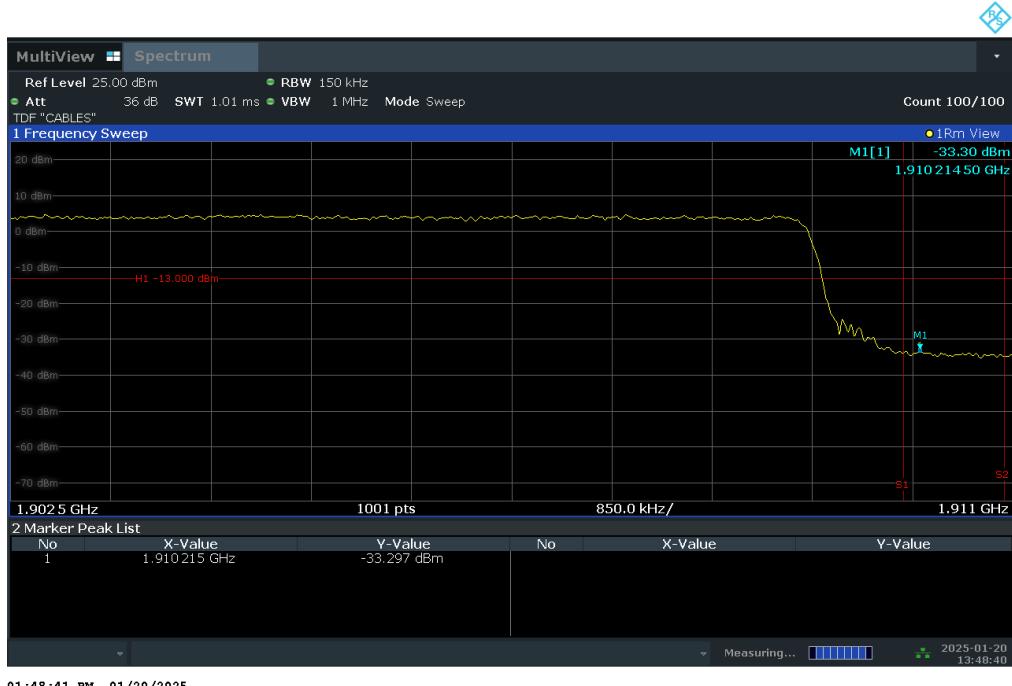


**Plot 7-87. Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)**

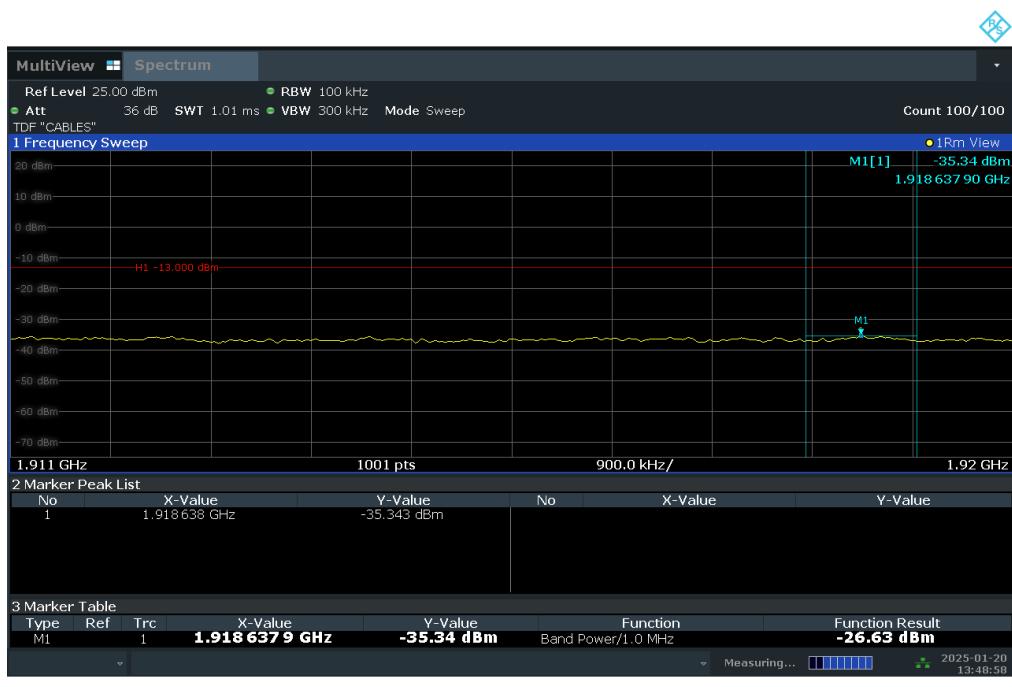


**Plot 7-88. Extended Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 63 of 130

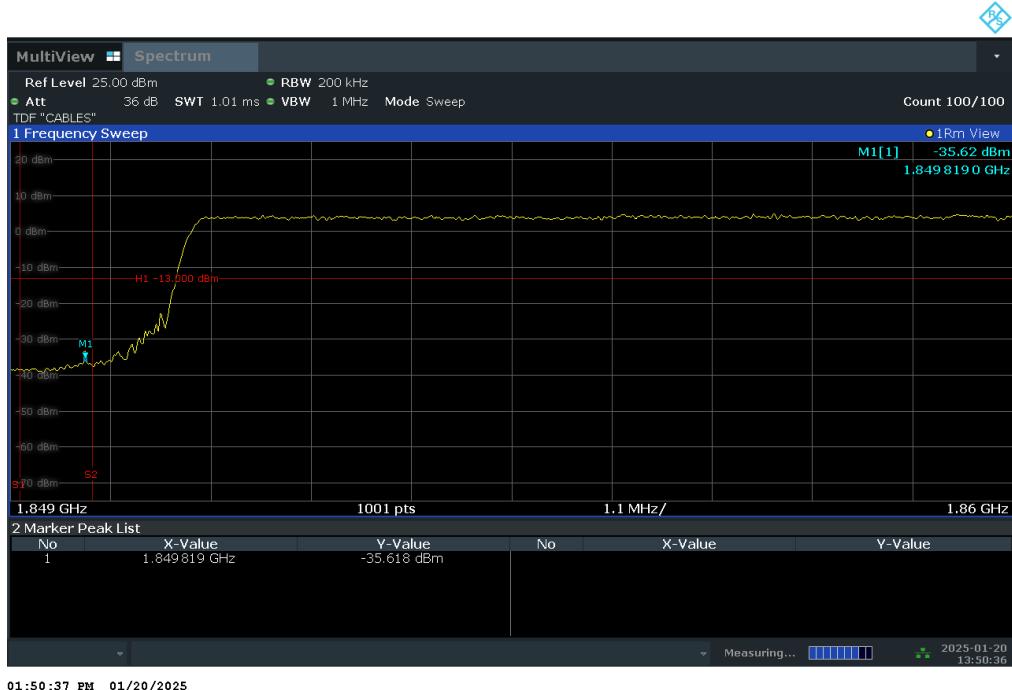


**Plot 7-89. Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)**

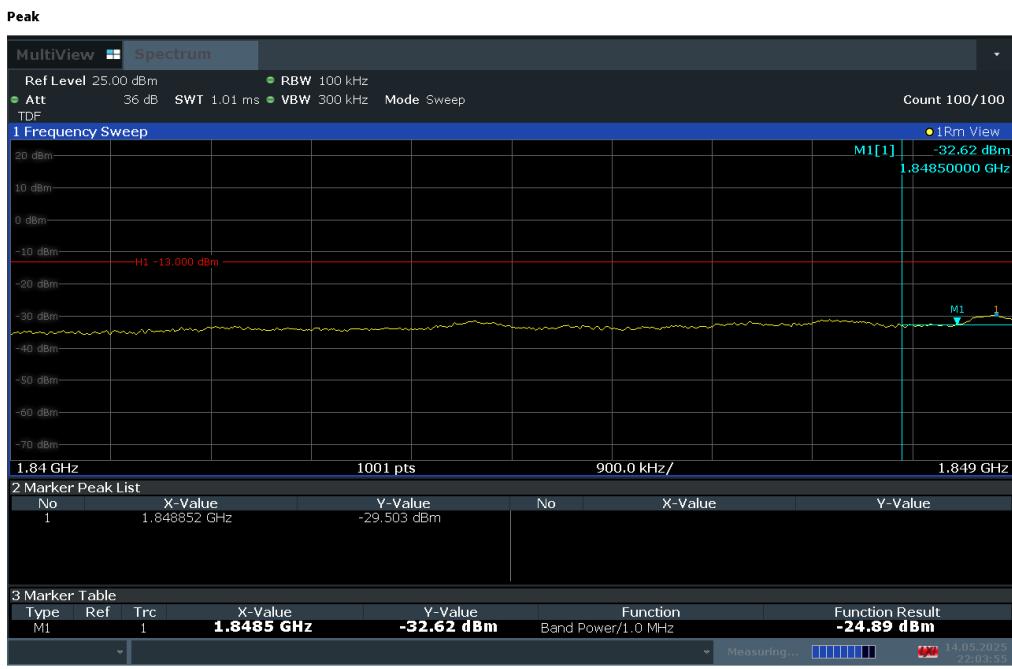


**Plot 7-90. Extended Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 64 of 130

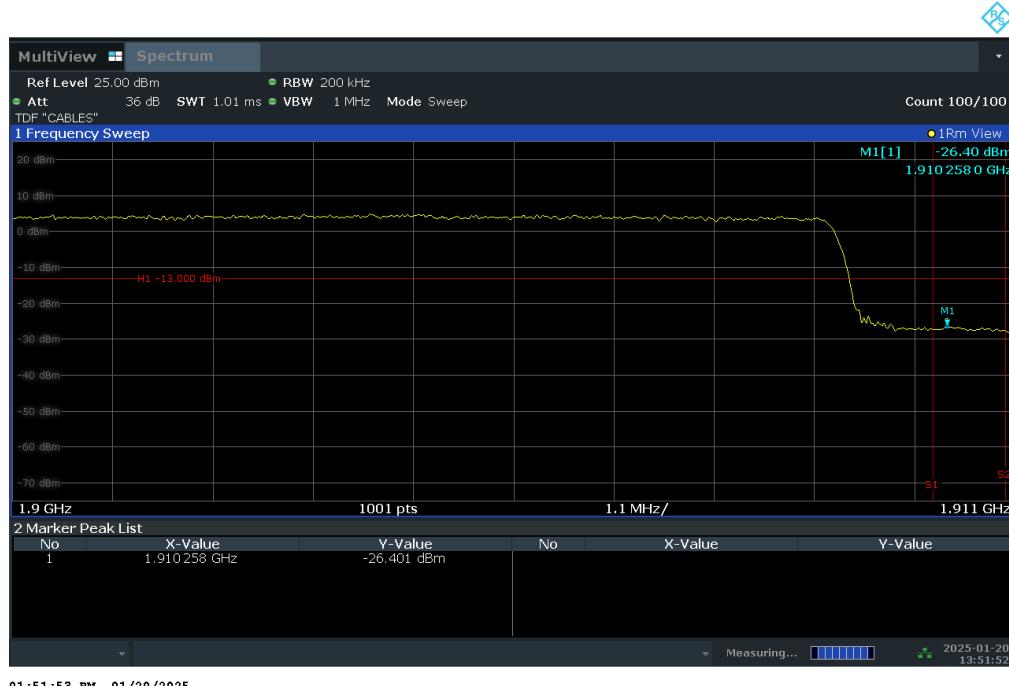


**Plot 7-91. Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)**

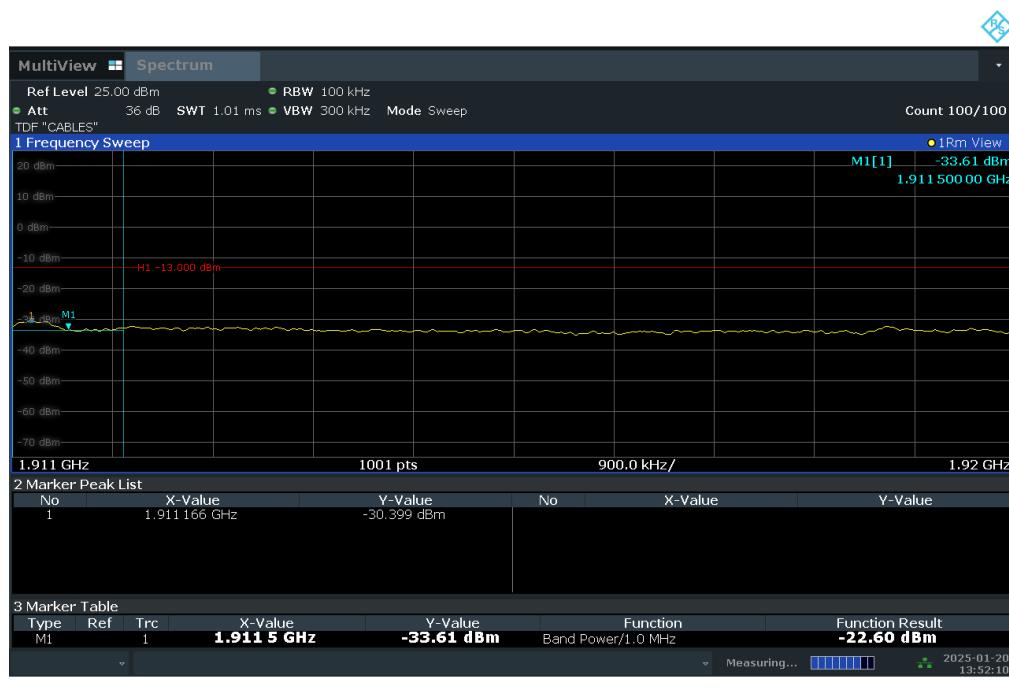


**Plot 7-92. Extended Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 65 of 130



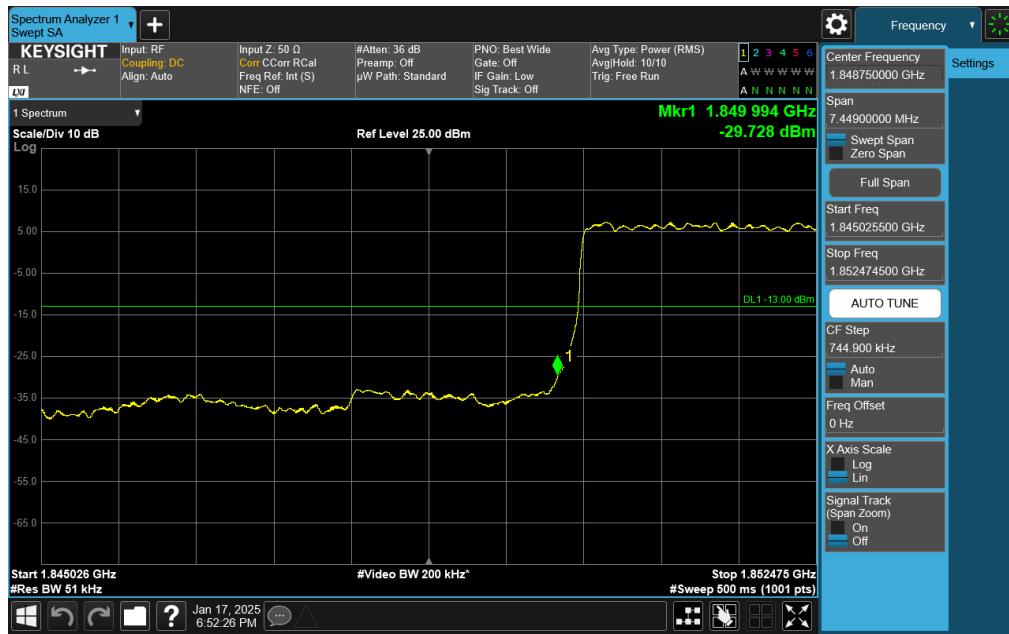
**Plot 7-93. Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)**



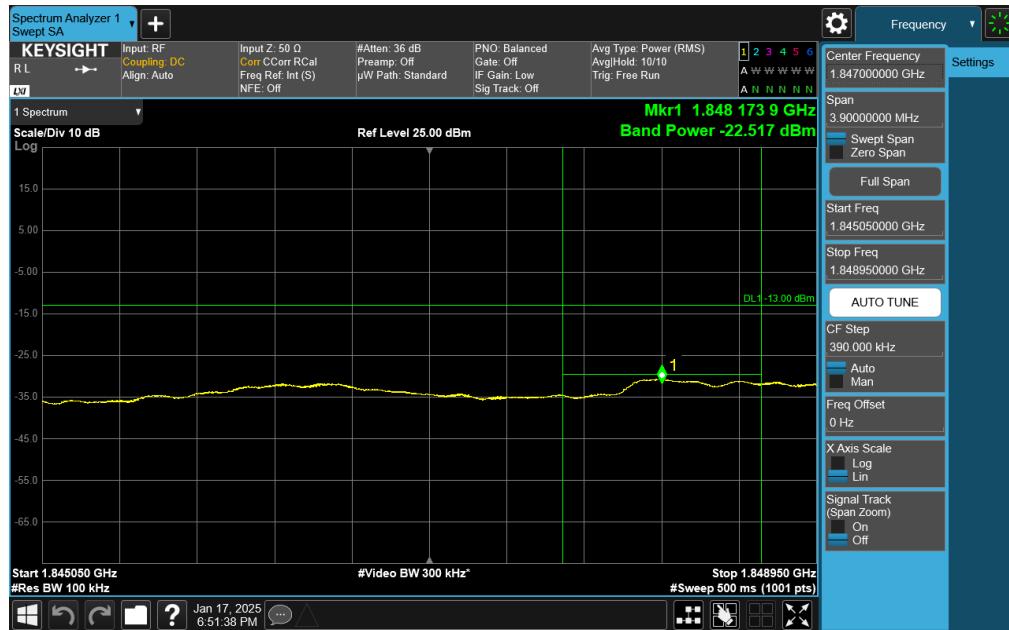
**Plot 7-94. Extended Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 66 of 130

## NR Band n25



Plot 7-95. Lower Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)



Plot 7-96. Extended Lower Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 67 of 130

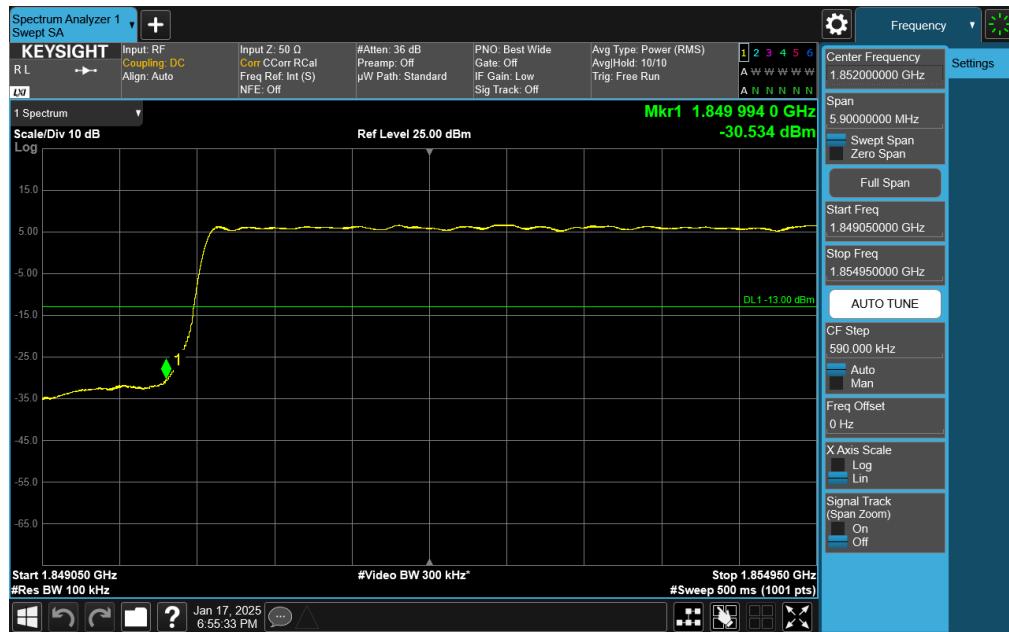


Plot 7-97. Upper Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)

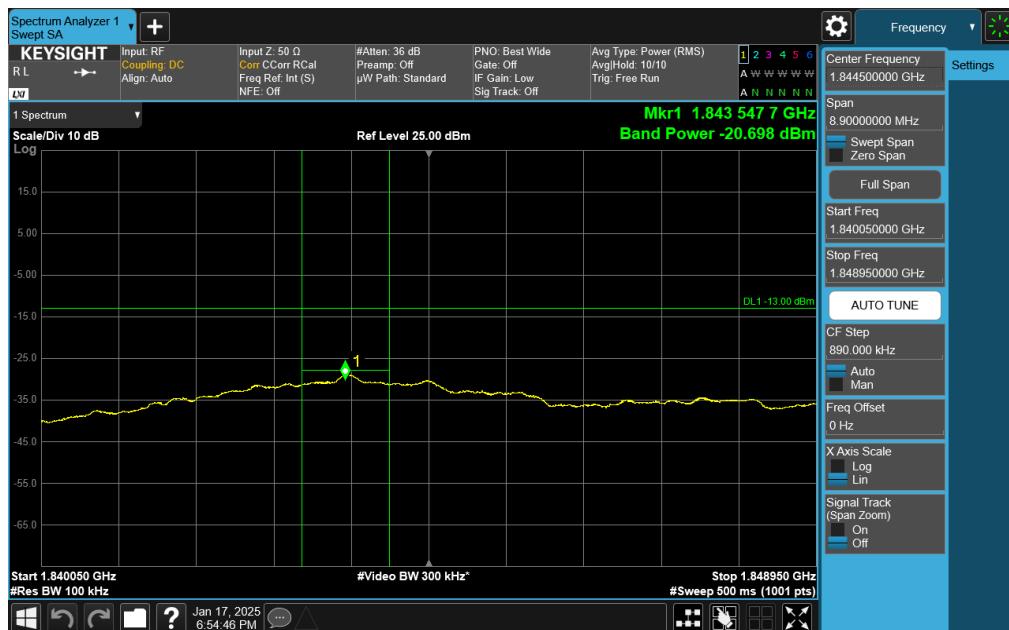


Plot 7-98. Extended Upper Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 68 of 130

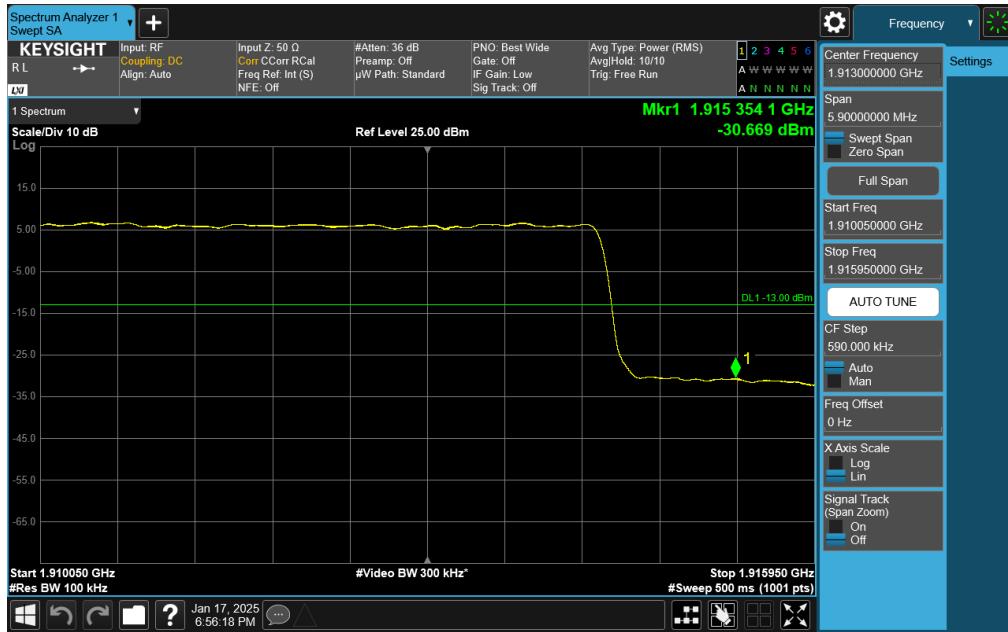


Plot 7-99. Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

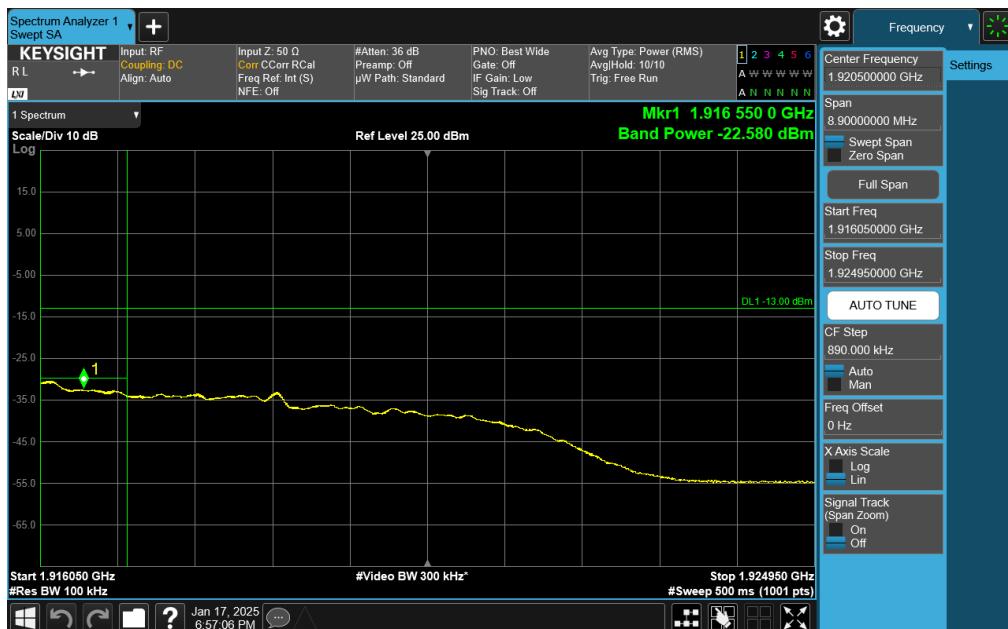


Plot 7-100. Extended Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	 <b>element</b>		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-101. Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

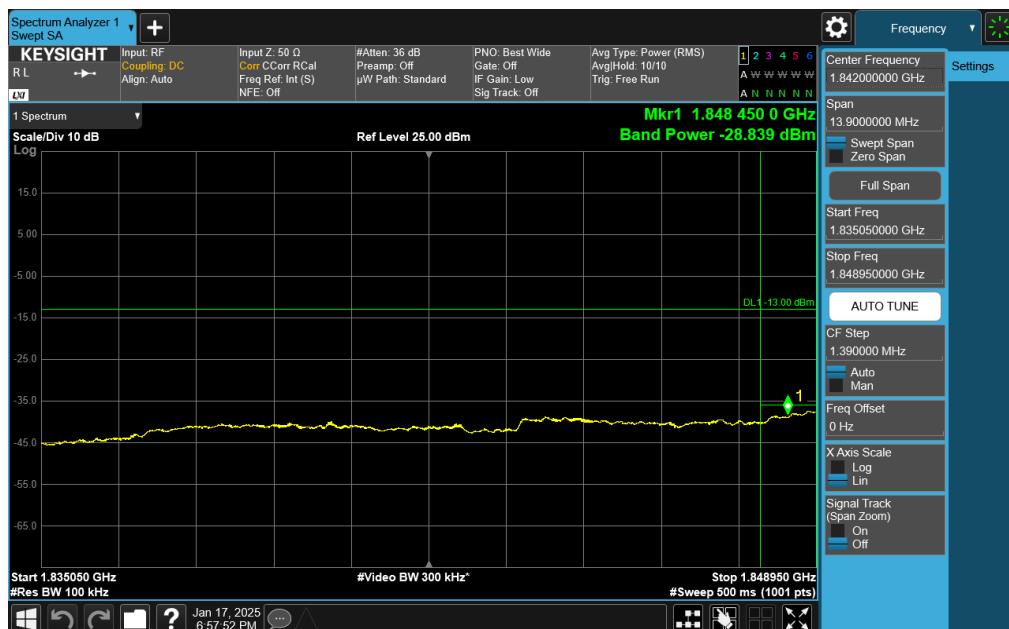


Plot 7-102. Extended Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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**Plot 7-103. Extended Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

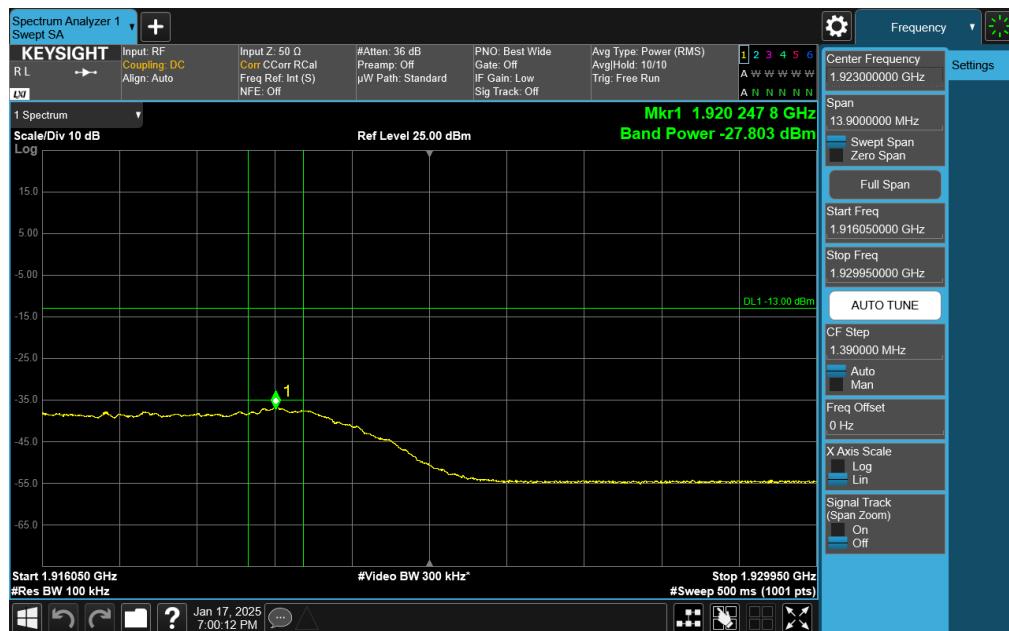


**Plot 7-104. Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 71 of 130

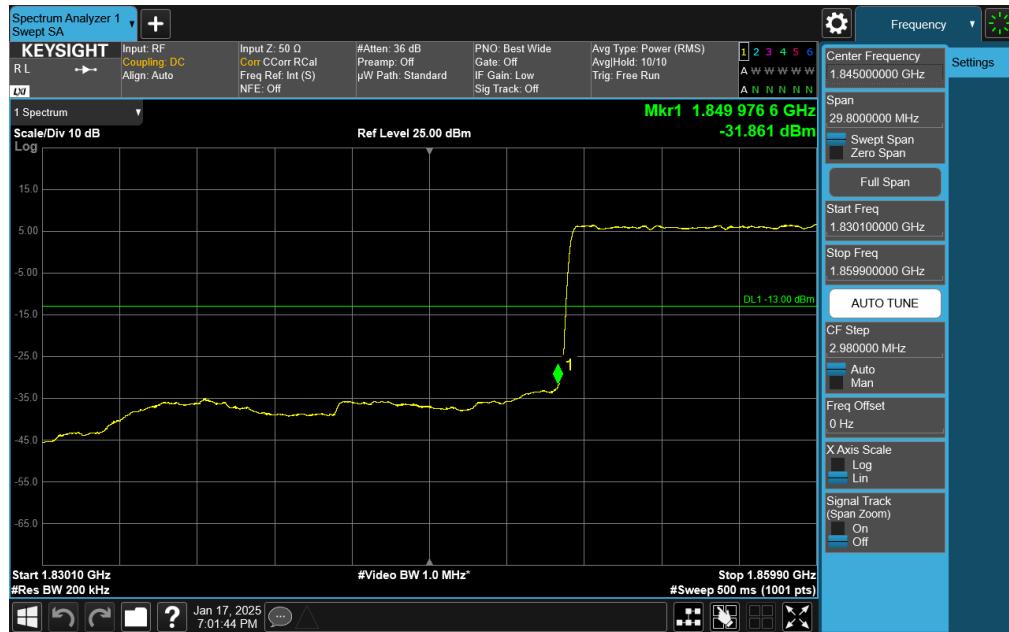


Plot 7-105. Upper Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

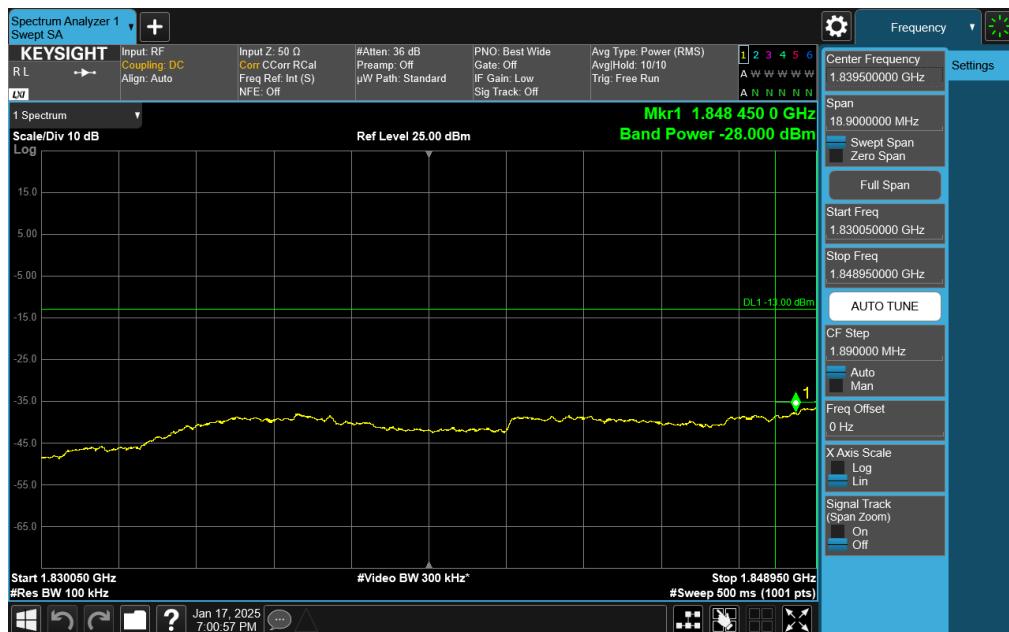


Plot 7-106. Extended Upper Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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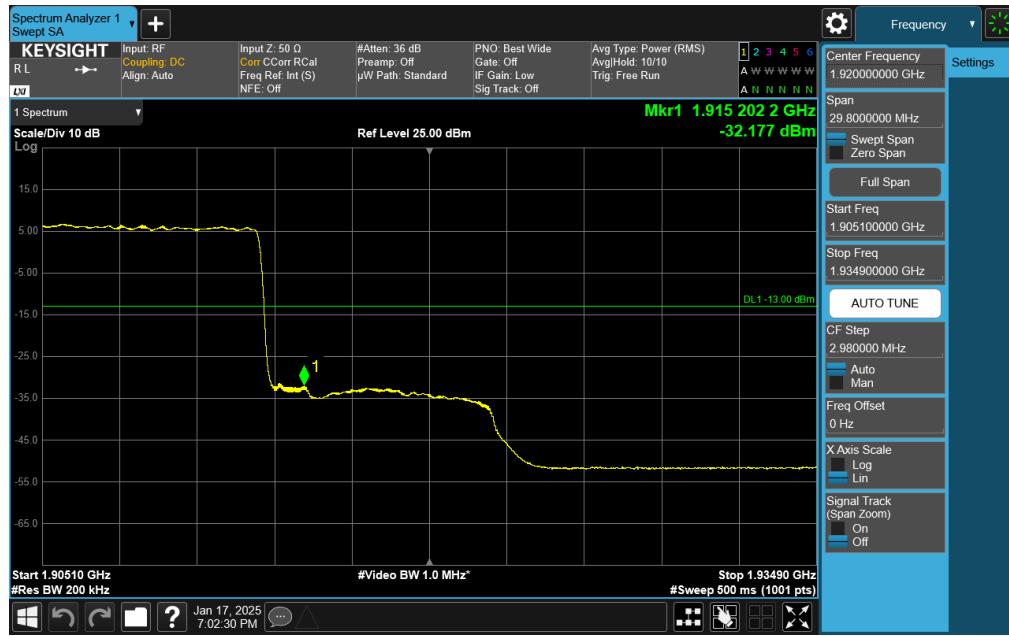


**Plot 7-107. Extended Lower Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

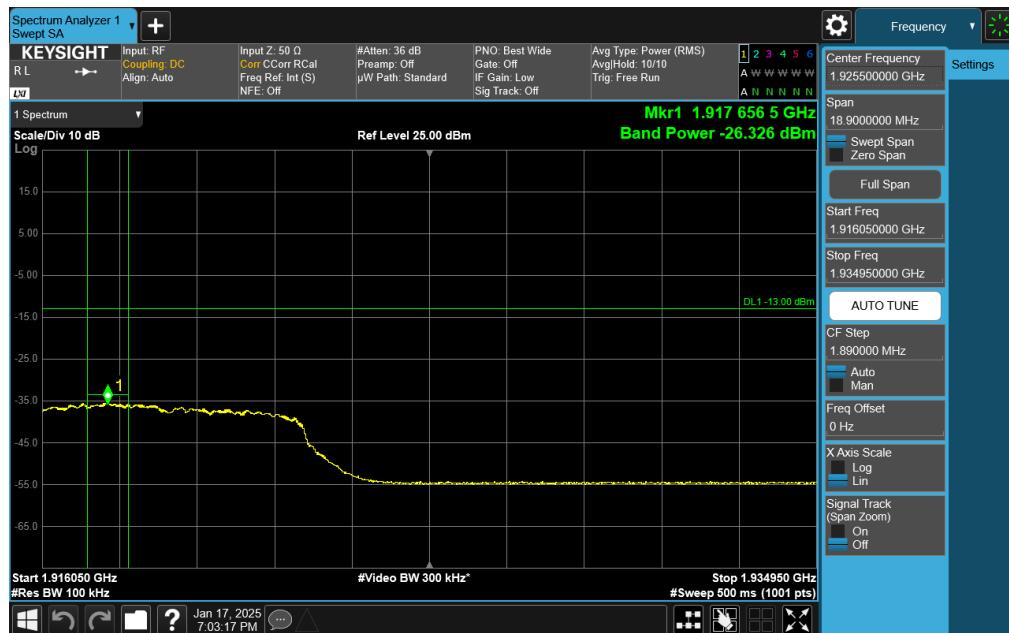


**Plot 7-108. Lower Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 73 of 130



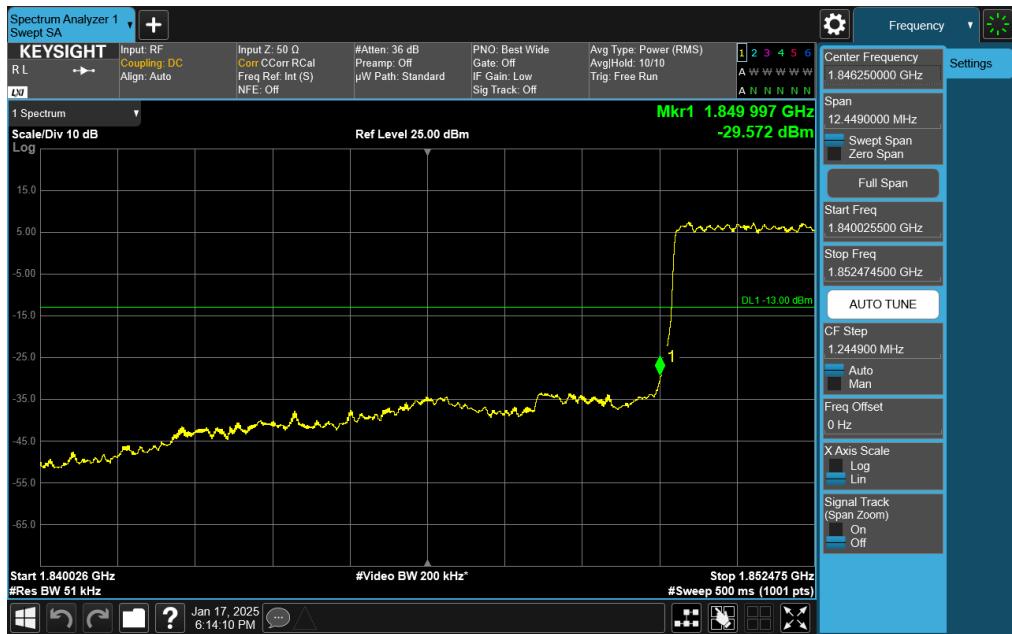
**Plot 7-109. Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)**



**Plot 7-110. Extended Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 74 of 130

## NR Band n2



Plot 7-111. Lower Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)



Plot 7-112. Extended Lower Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 75 of 130

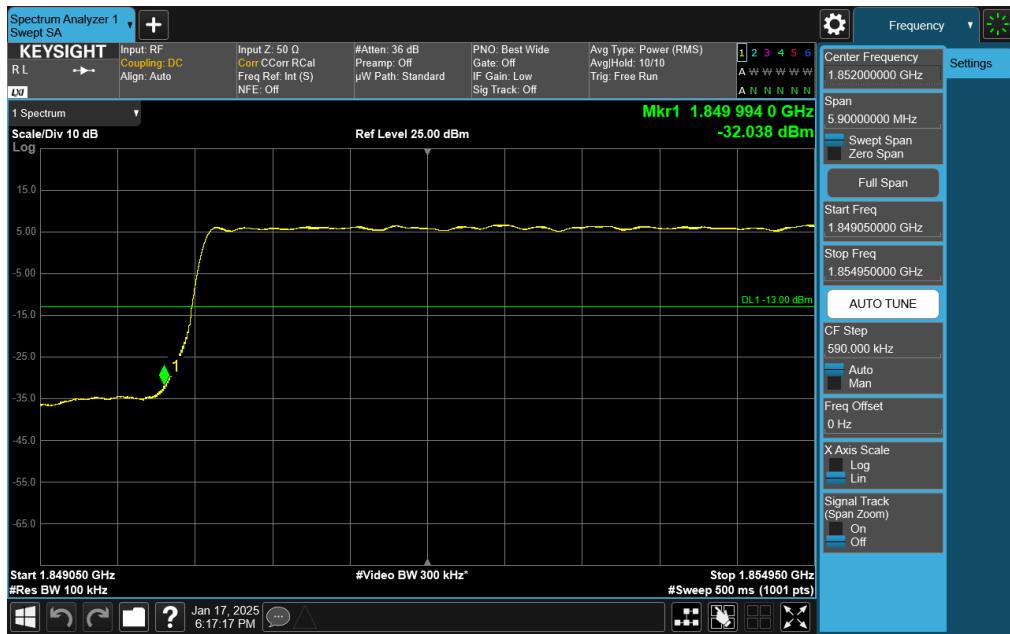


Plot 7-113. Upper Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)

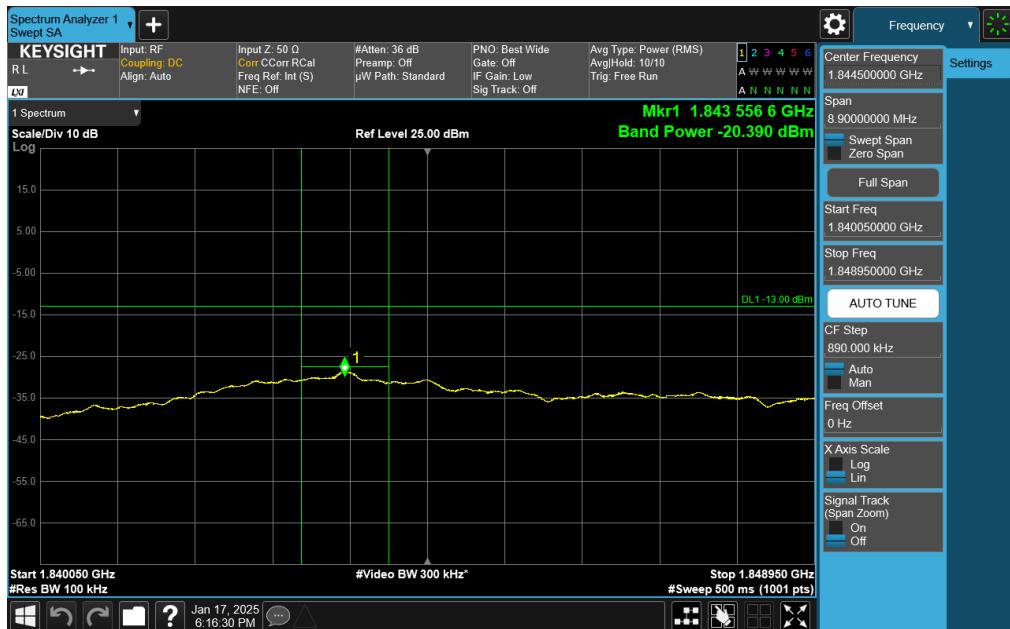


Plot 7-114. Extended Upper Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 76 of 130

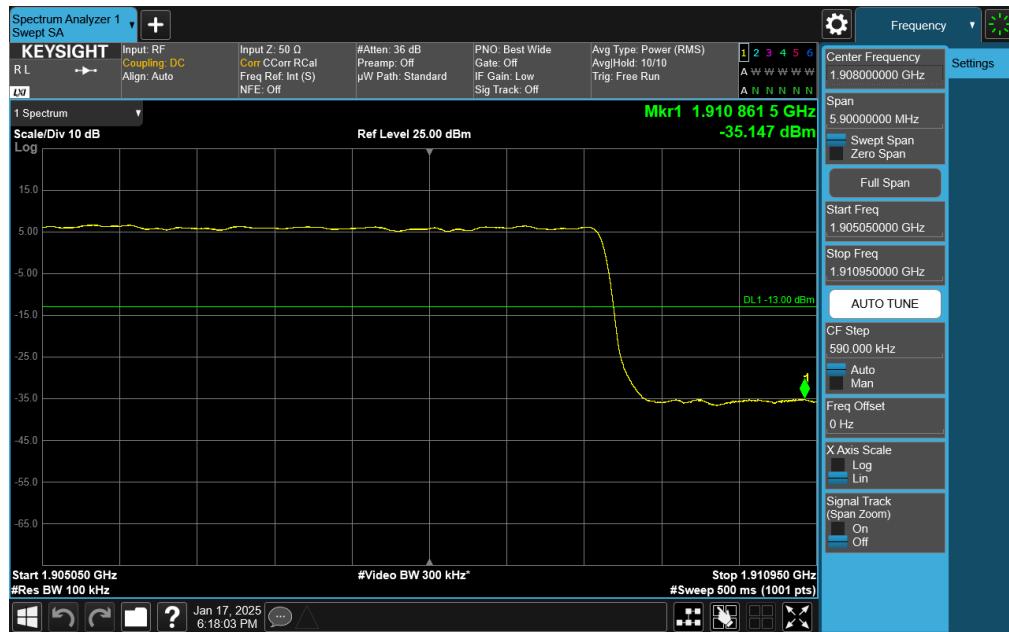


Plot 7-115. Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

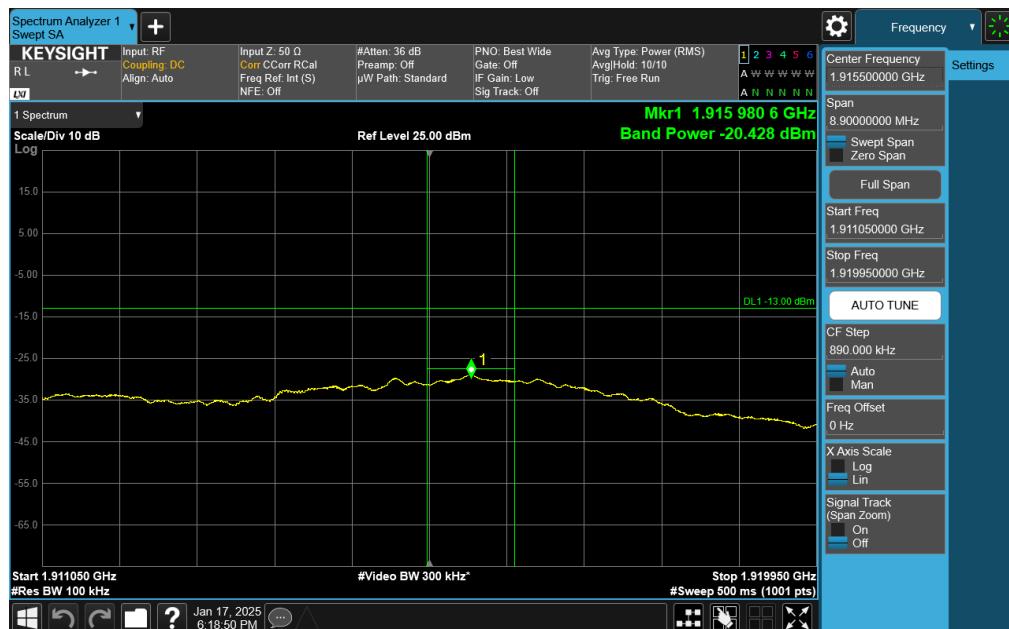


Plot 7-116. Extended Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 77 of 130

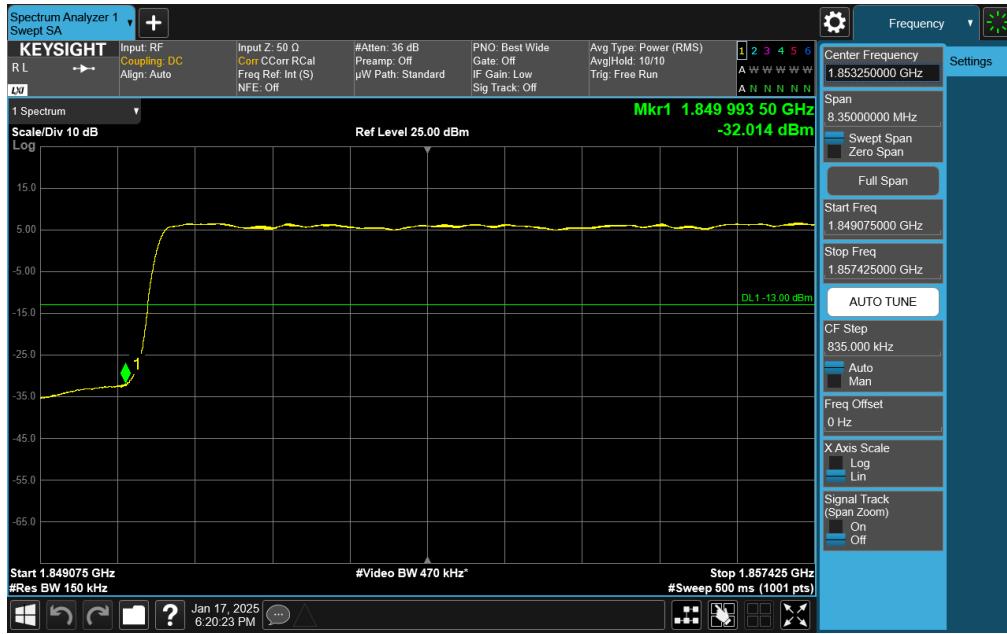


Plot 7-117. Upper Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

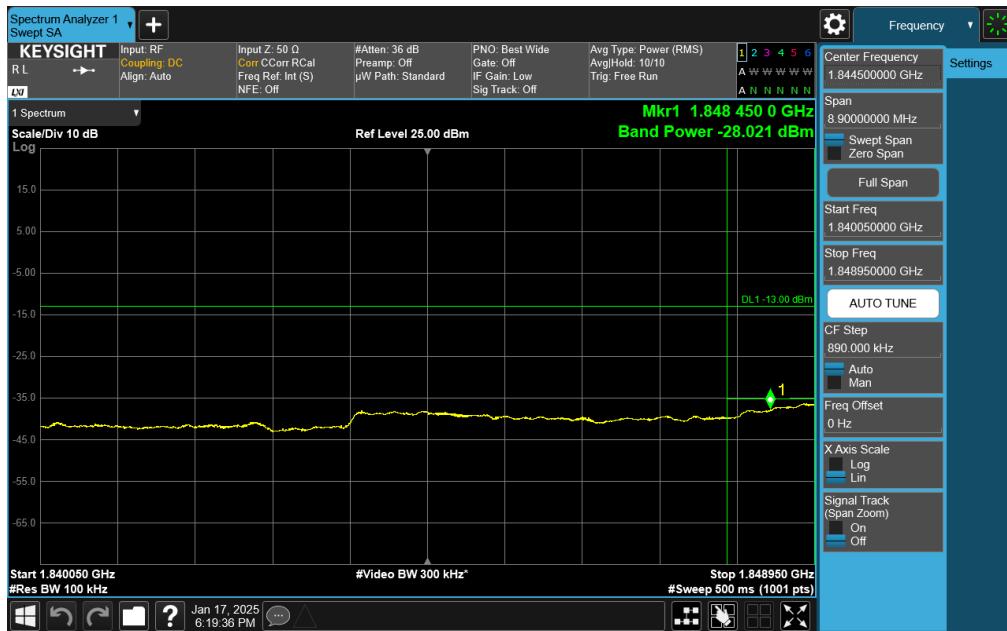


Plot 7-118. Extended Upper Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-119. Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

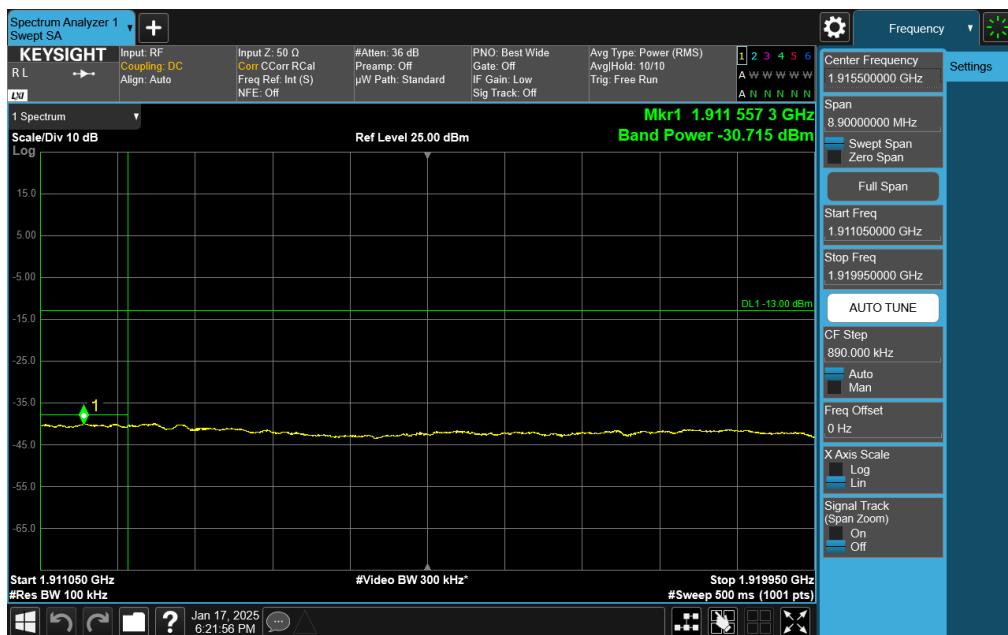


Plot 7-120. Extended Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 79 of 130

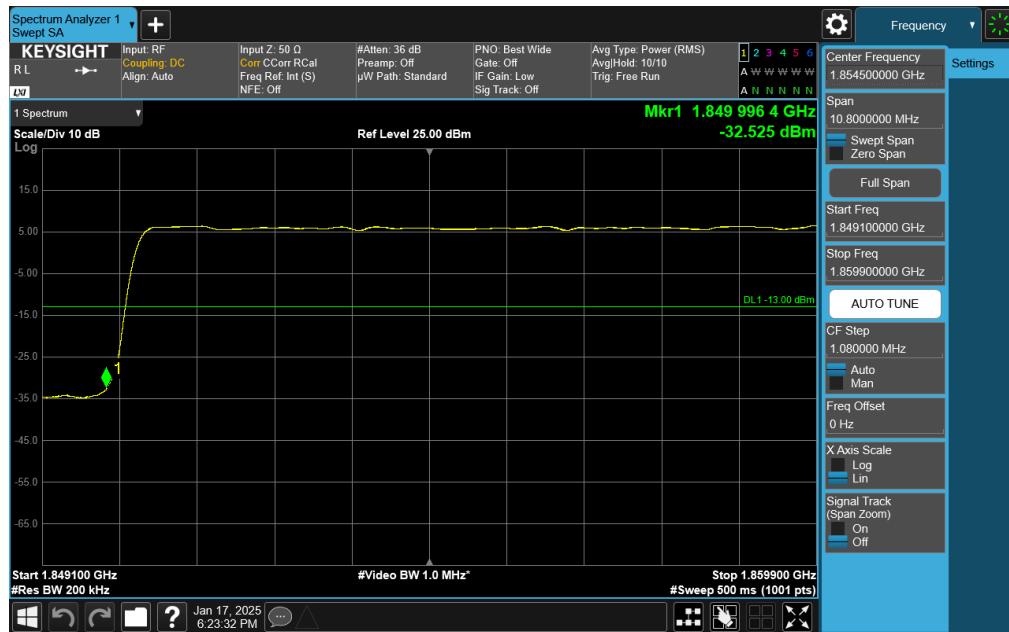


**Plot 7-121. Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

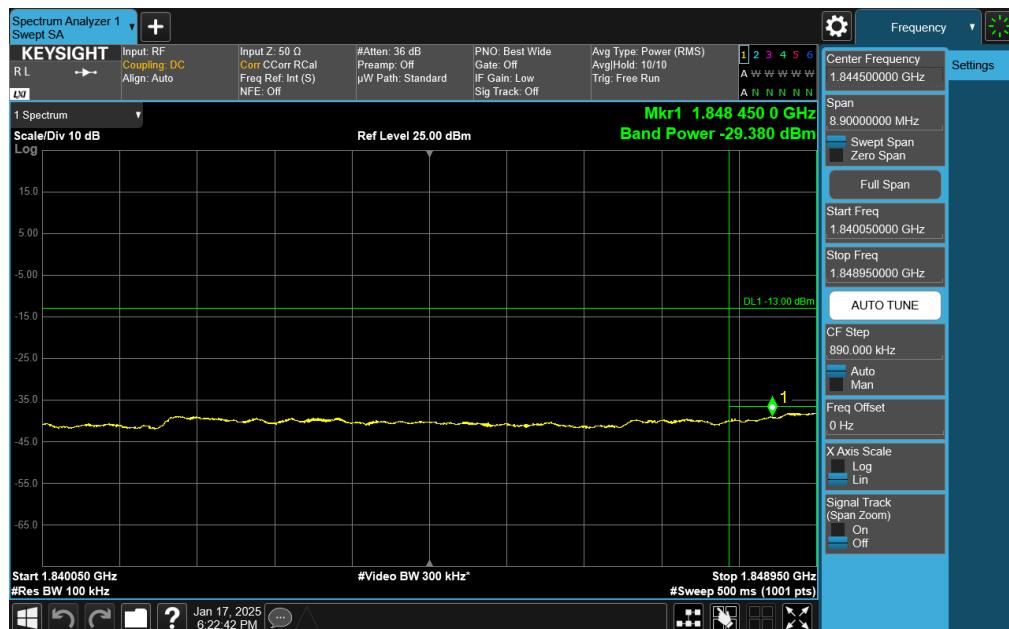


**Plot 7-122. Extended Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM π/2 BPSK – Full RB Configuration)**

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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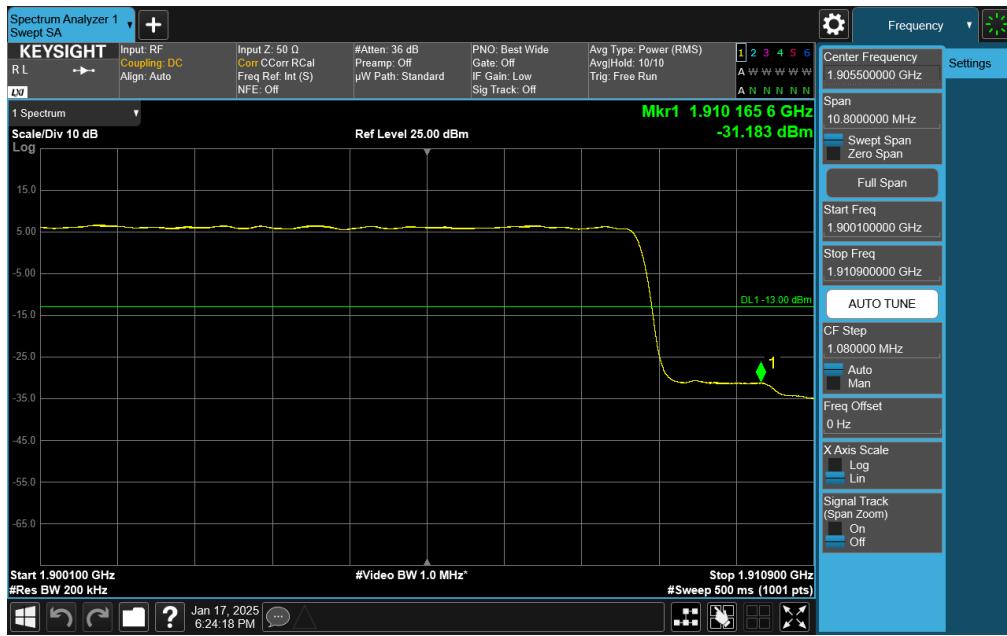


Plot 7-123. Lower Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

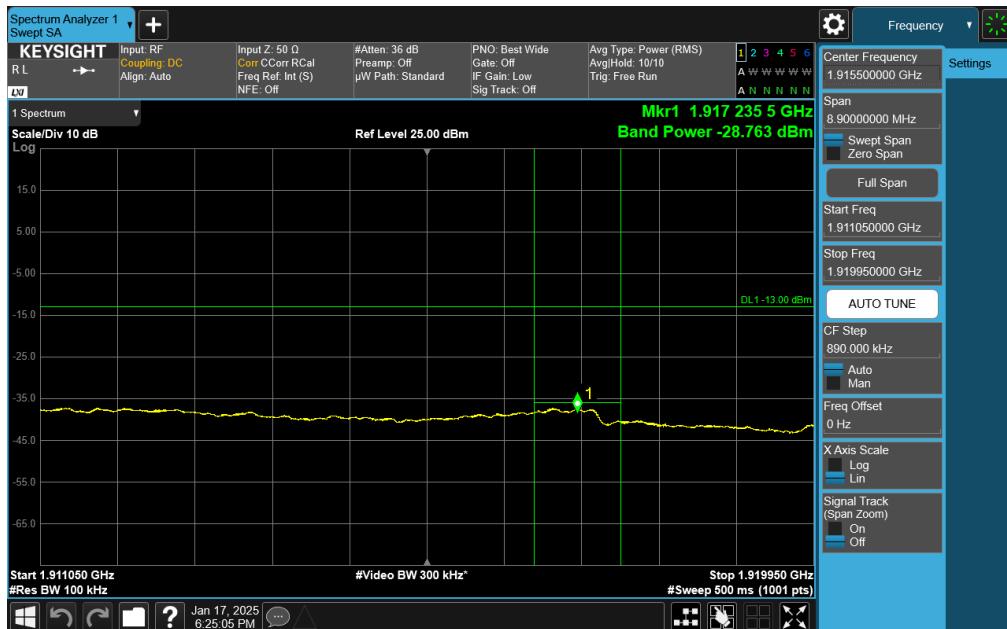


Plot 7-124. Extended Lower Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-125. Upper Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)



Plot 7-126. Extended Upper Band Edge Plot (NR Band n2 – 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB Configuration)

FCC ID: BCG-A3281	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.

**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

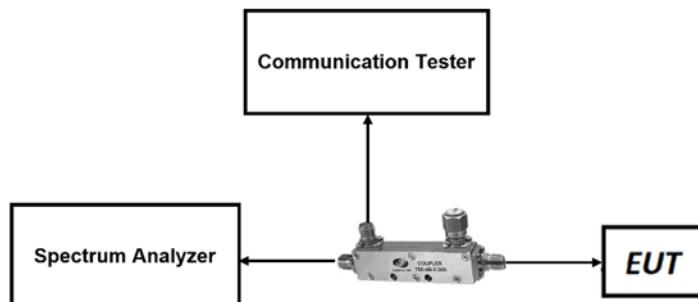
FCC ID: BCG-A3281	 element		
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Approved by: Technical Manager

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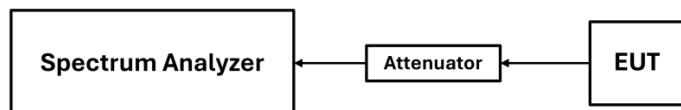
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## Test Setup

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

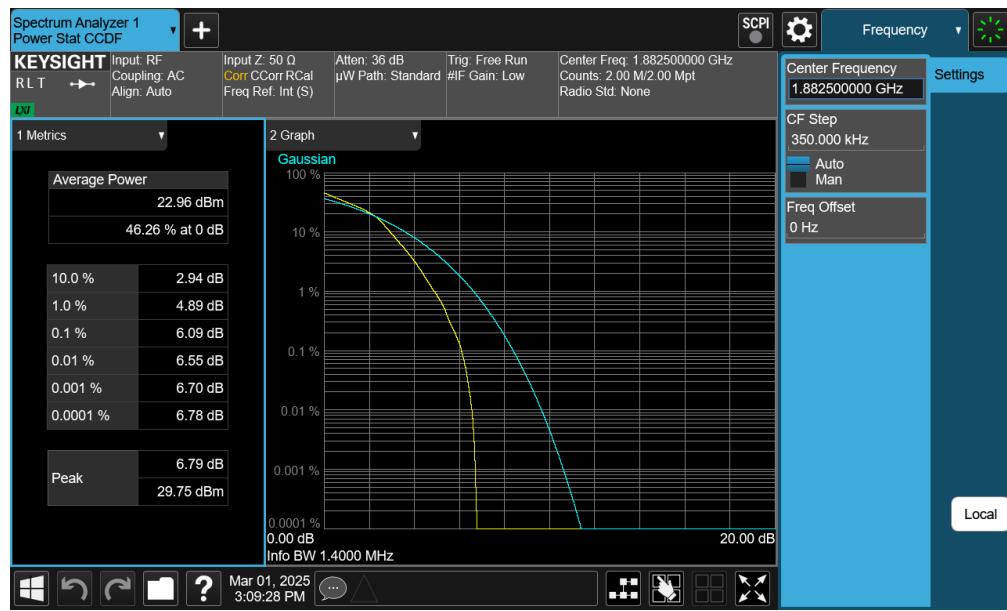
1. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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## LTE Band 25

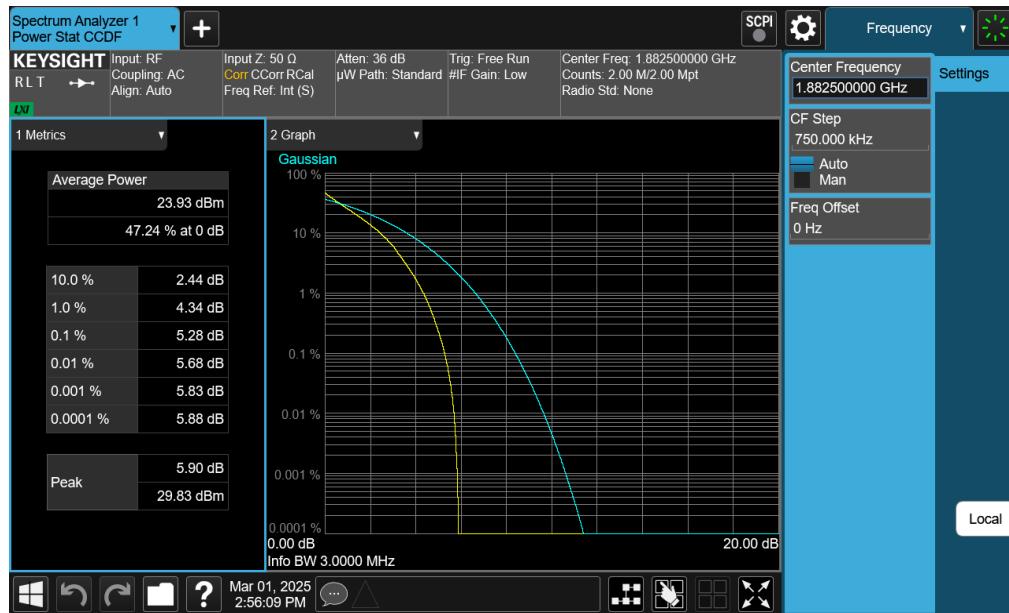


Plot 7-127. PAR Plot (LTE Band 25 - 1.4MHz QPSK - Full RB Configuration)

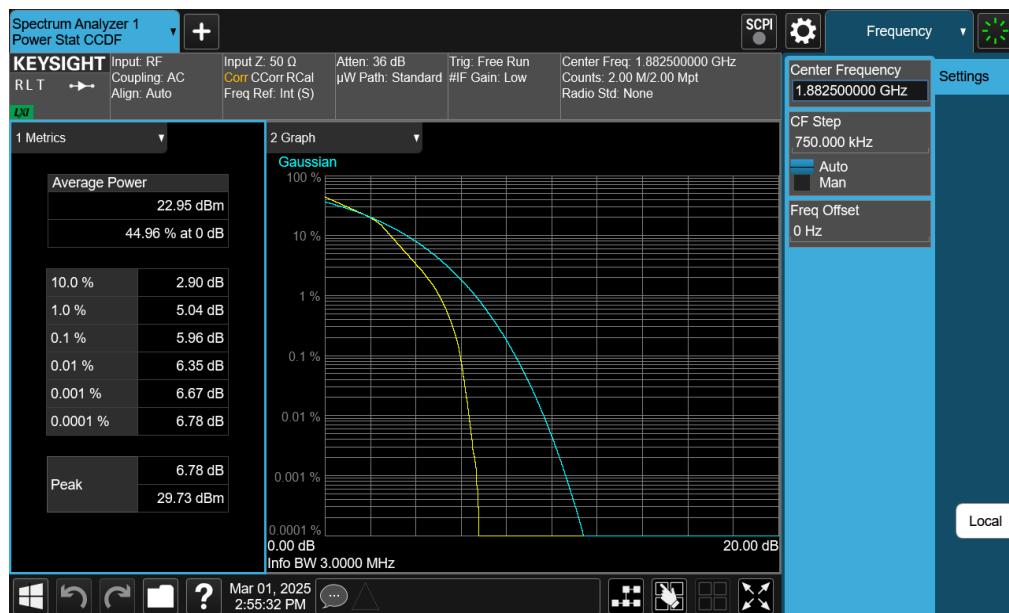


Plot 7-128. PAR Plot (LTE Band 25 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-129. PAR Plot (LTE Band 25 - 3MHz QPSK - Full RB Configuration)

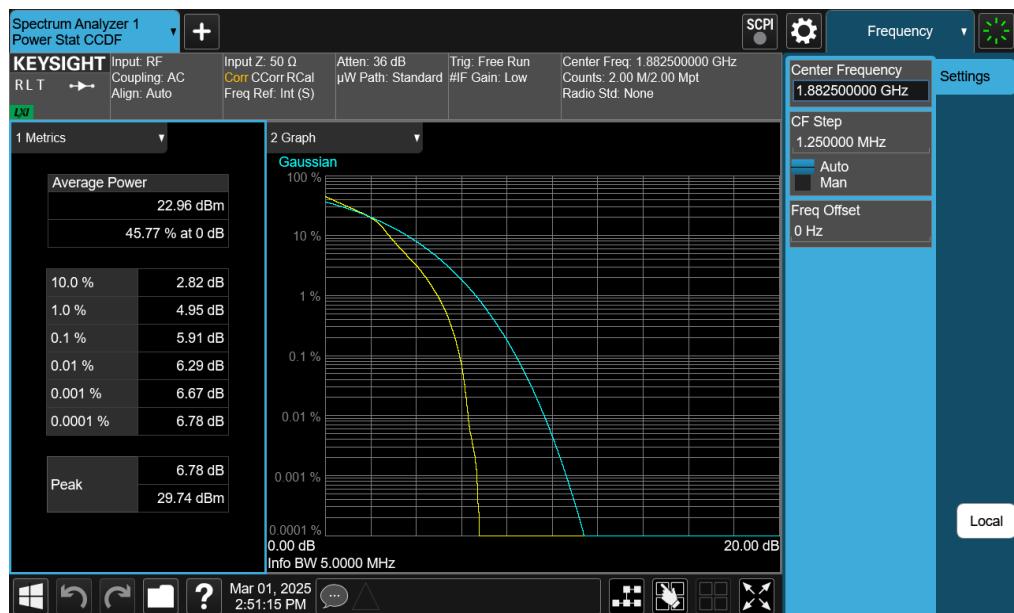


Plot 7-130. PAR Plot (LTE Band 25 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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Plot 7-131. PAR Plot (LTE Band 25 - 5MHz QPSK - Full RB Configuration)

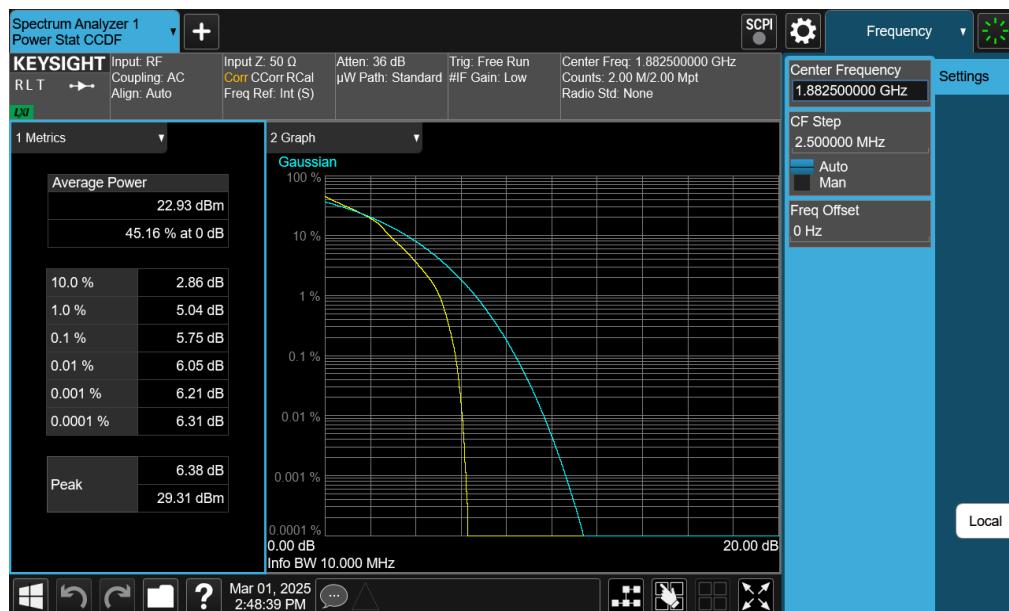


Plot 7-132. PAR Plot (LTE Band 25 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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Plot 7-133. PAR Plot (LTE Band 25 - 10MHz QPSK - Full RB Configuration)

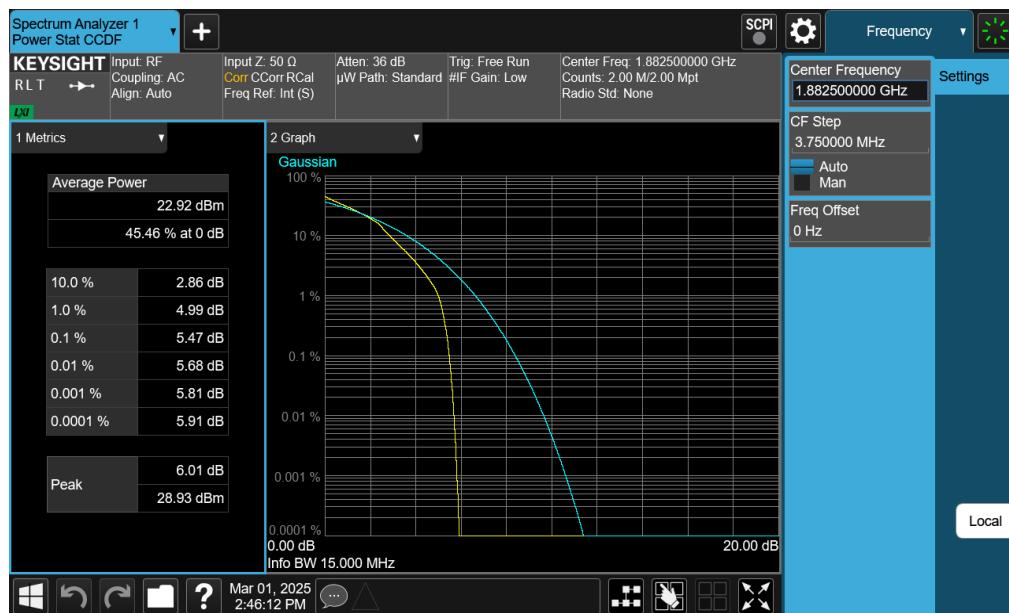


Plot 7-134. PAR Plot (LTE Band 25 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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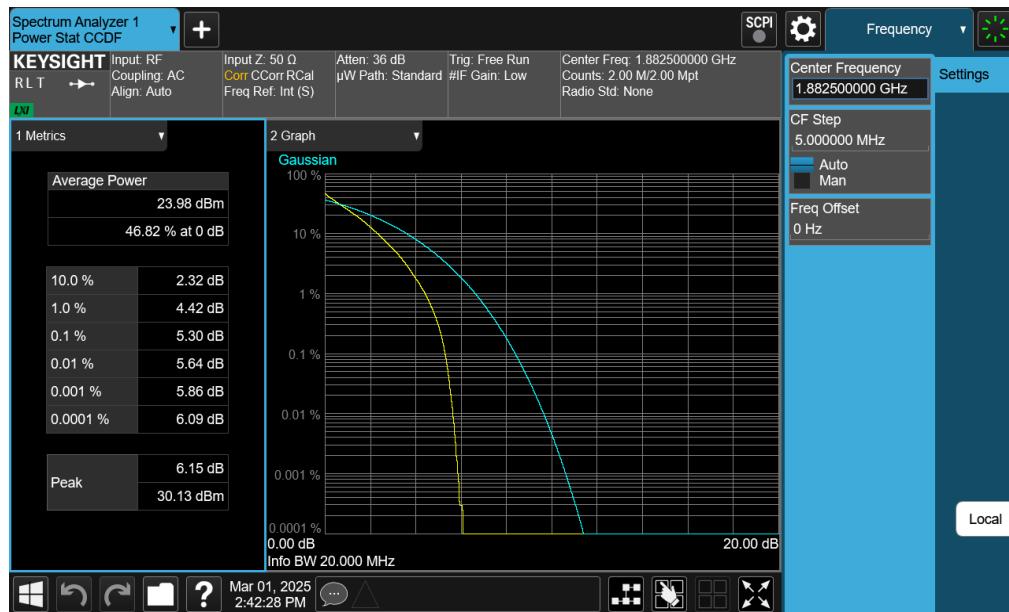


Plot 7-135. PAR Plot (LTE Band 25 - 15MHz QPSK - Full RB Configuration)



Plot 7-136. PAR Plot (LTE Band 25 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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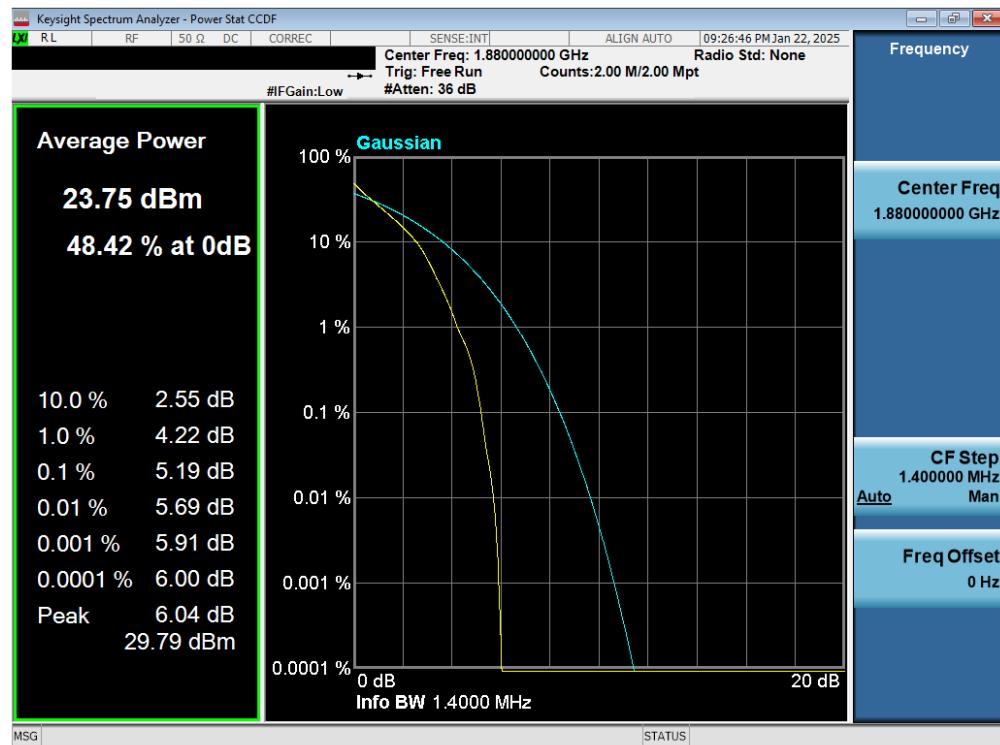
Plot 7-137. PAR Plot (LTE Band 25 - 20MHz QPSK - Full RB Configuration)



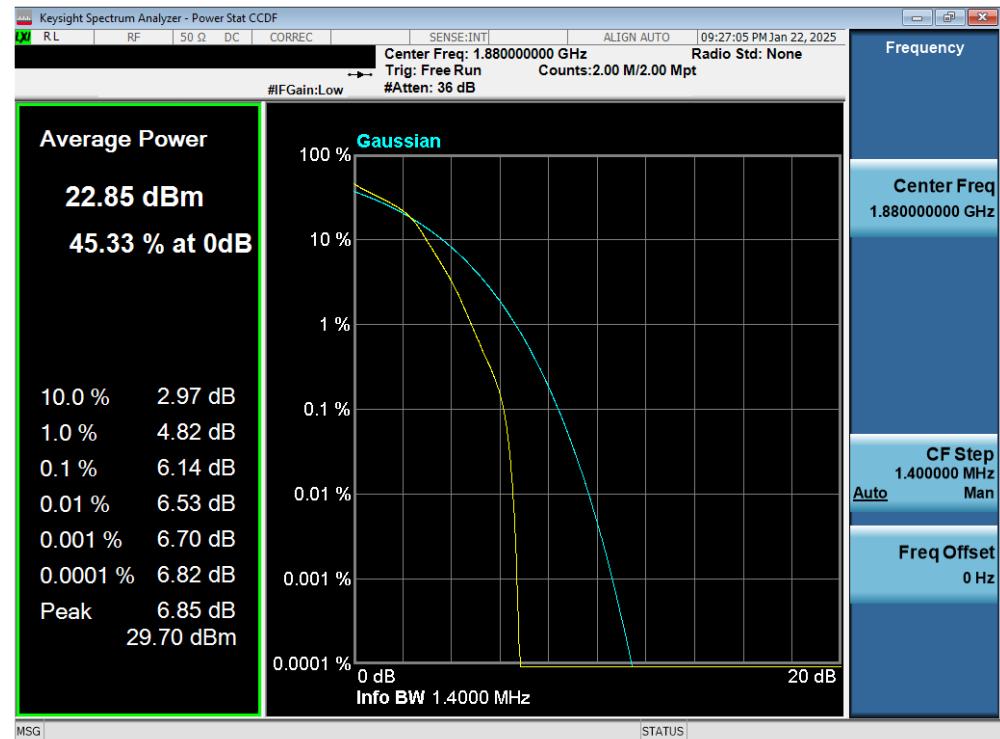
Plot 7-138. PAR Plot (LTE Band 25 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
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## LTE Band 2

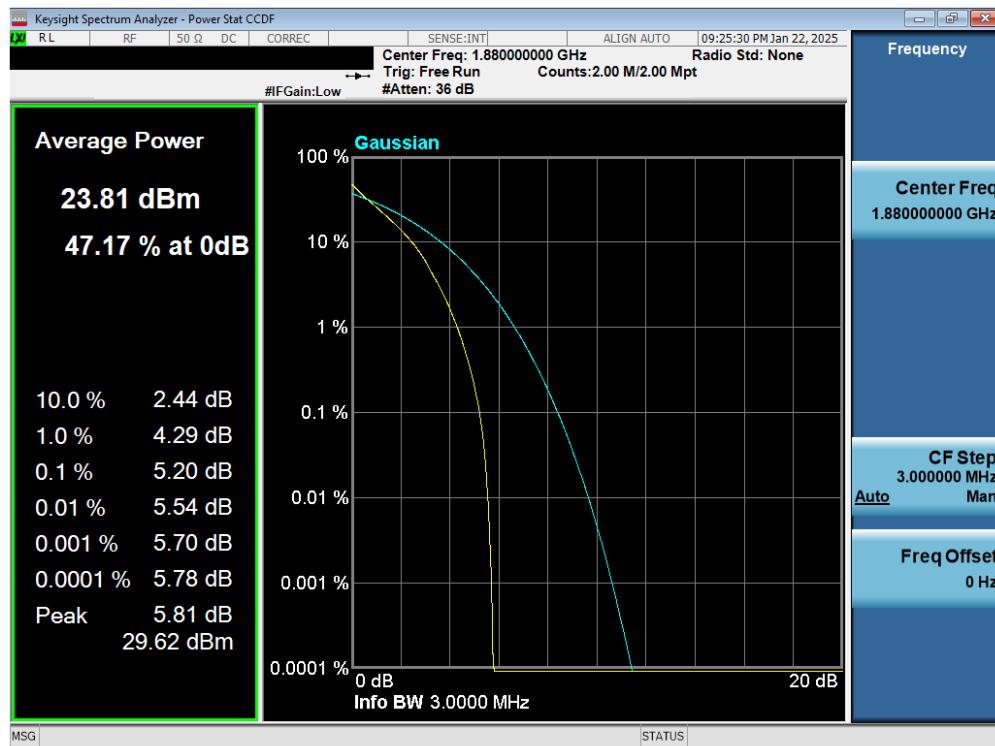


Plot 7-139. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB Configuration)

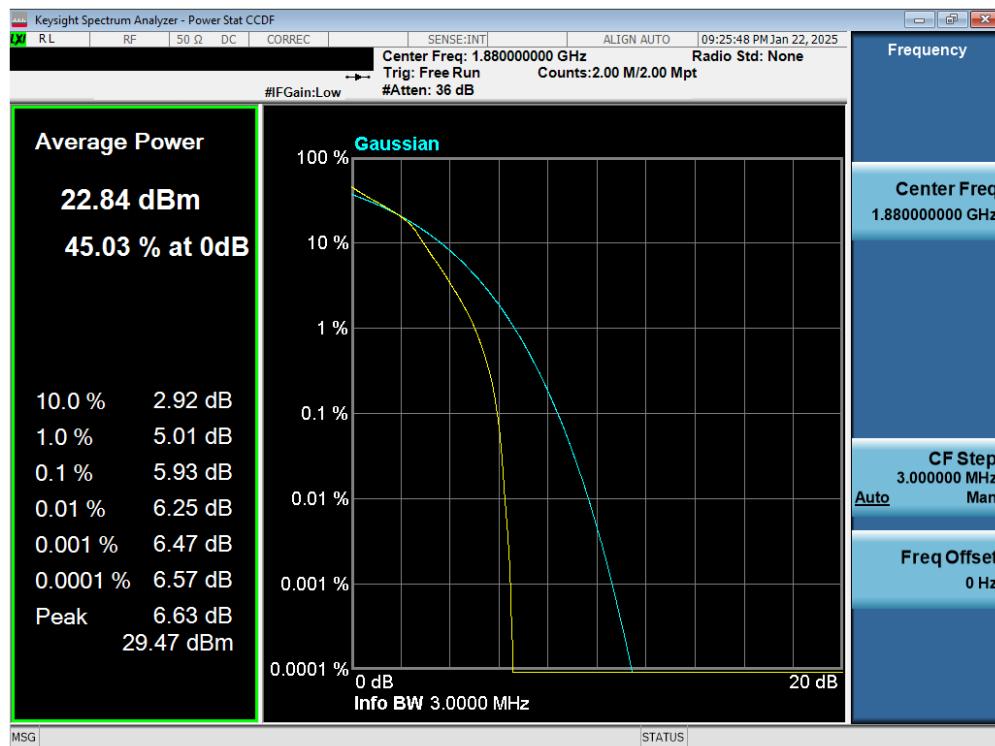


Plot 7-140. PAR Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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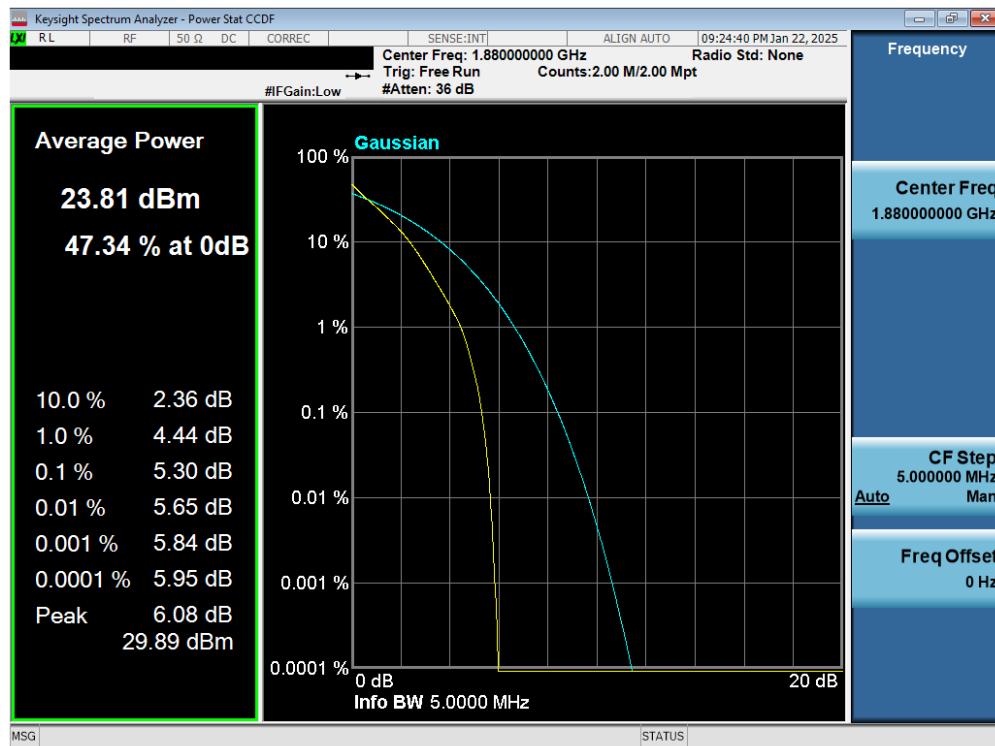


Plot 7-141. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)

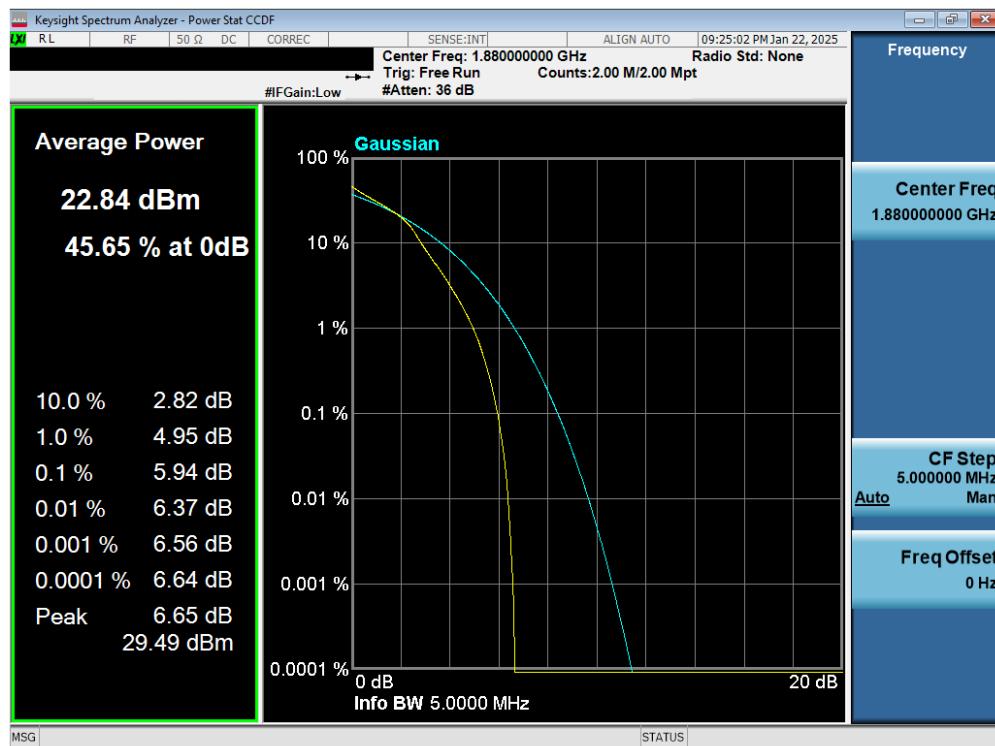


Plot 7-142. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	 element		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 92 of 130

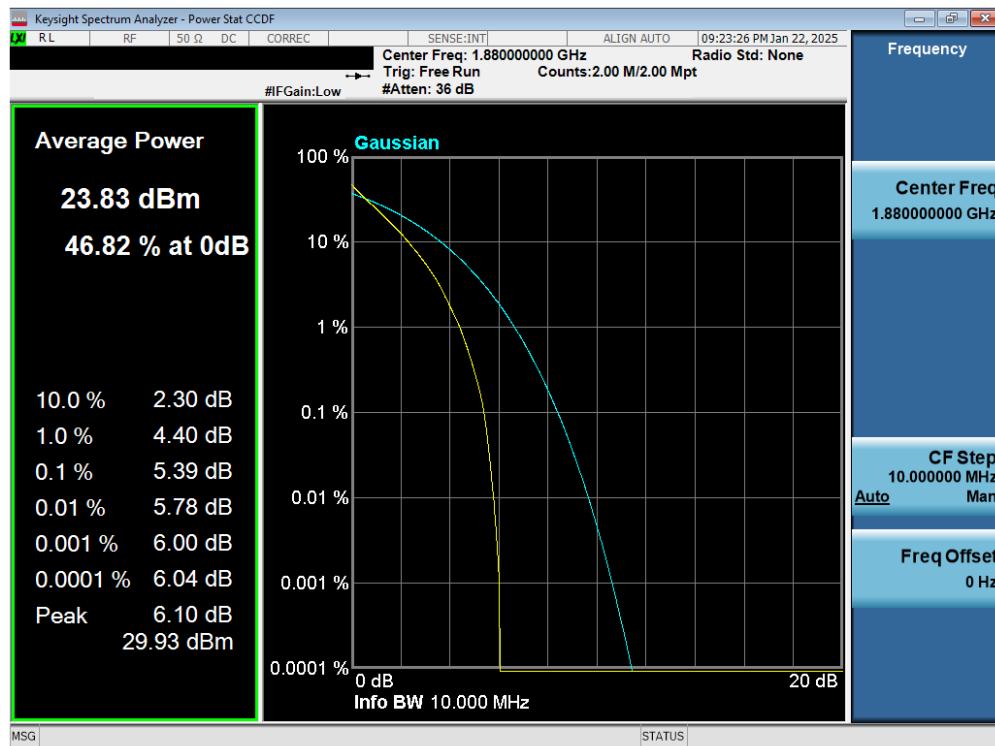


Plot 7-143. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB Configuration)

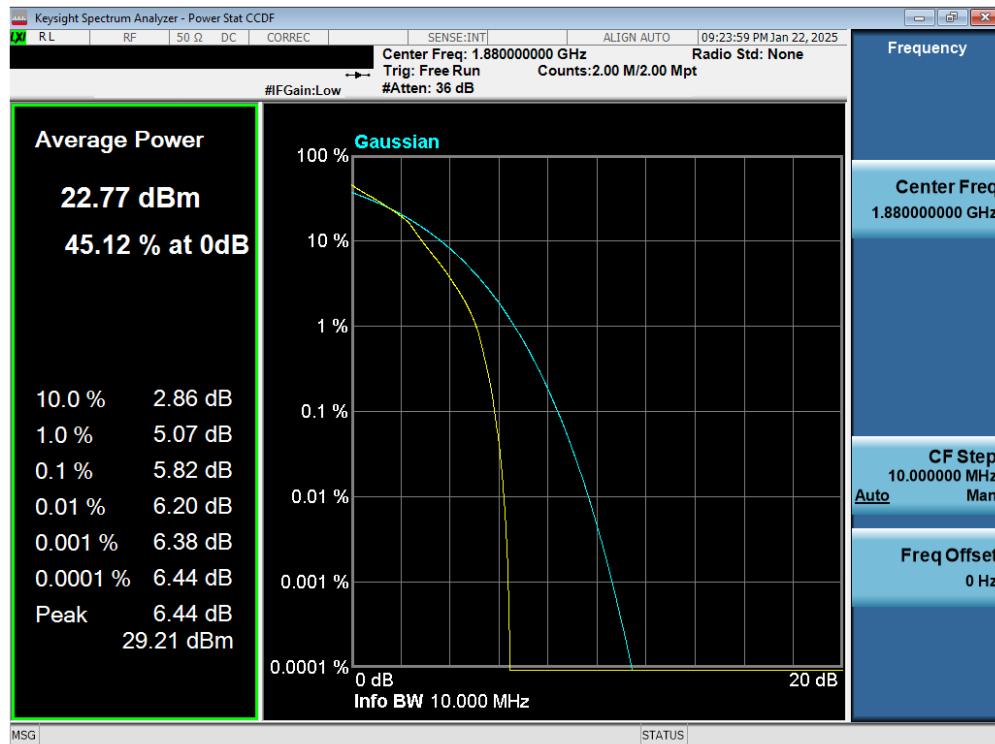


Plot 7-144. PAR Plot (LTE Band 2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	 <b>element</b>		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 93 of 130

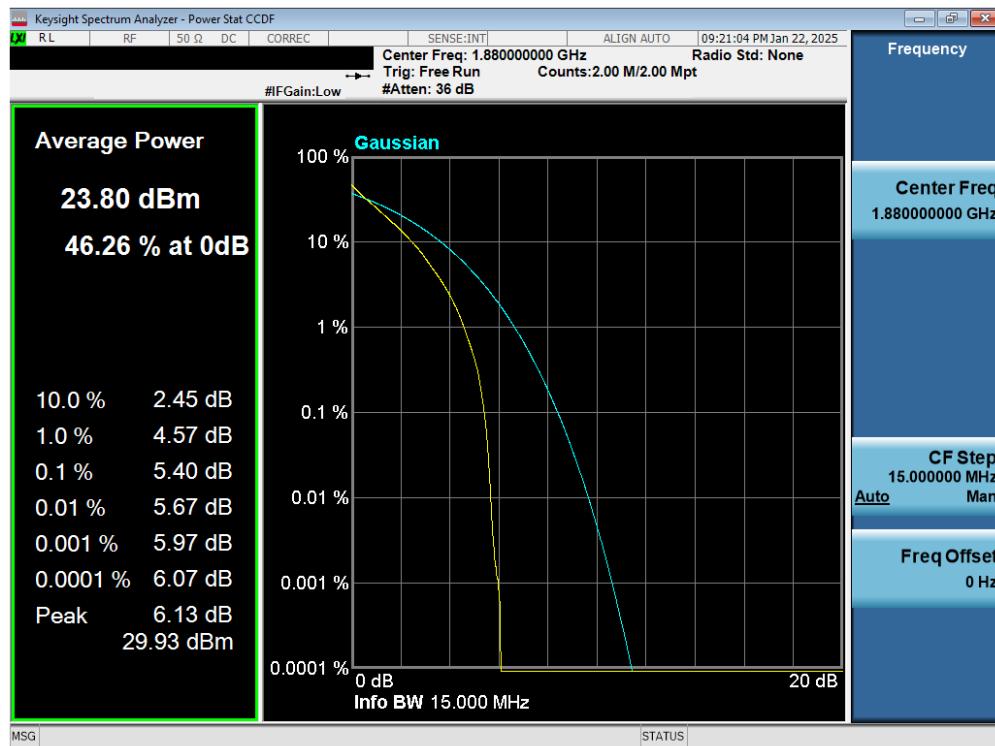


Plot 7-145. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

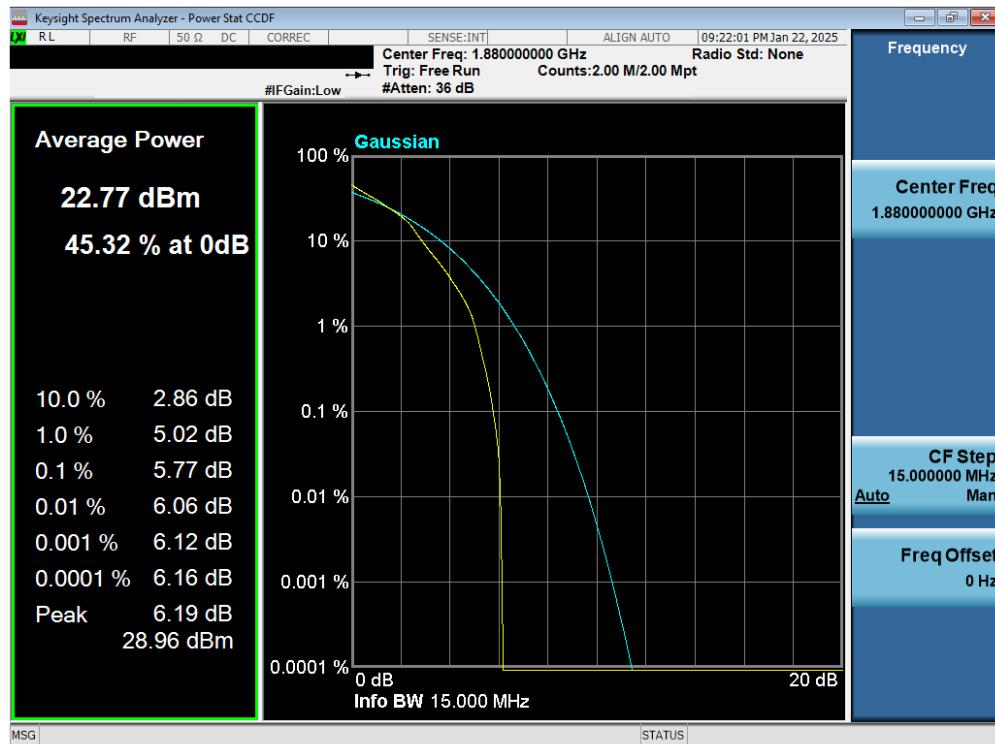


Plot 7-146. PAR Plot (LTE Band 2 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	 element		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 94 of 130

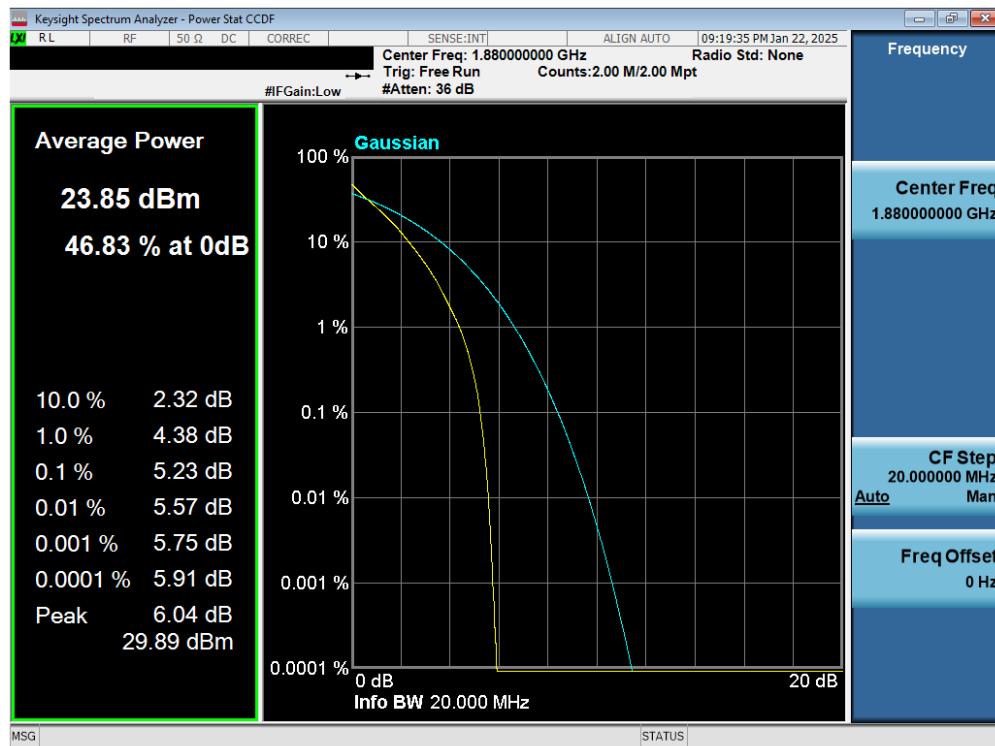


**Plot 7-147. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB Configuration)**

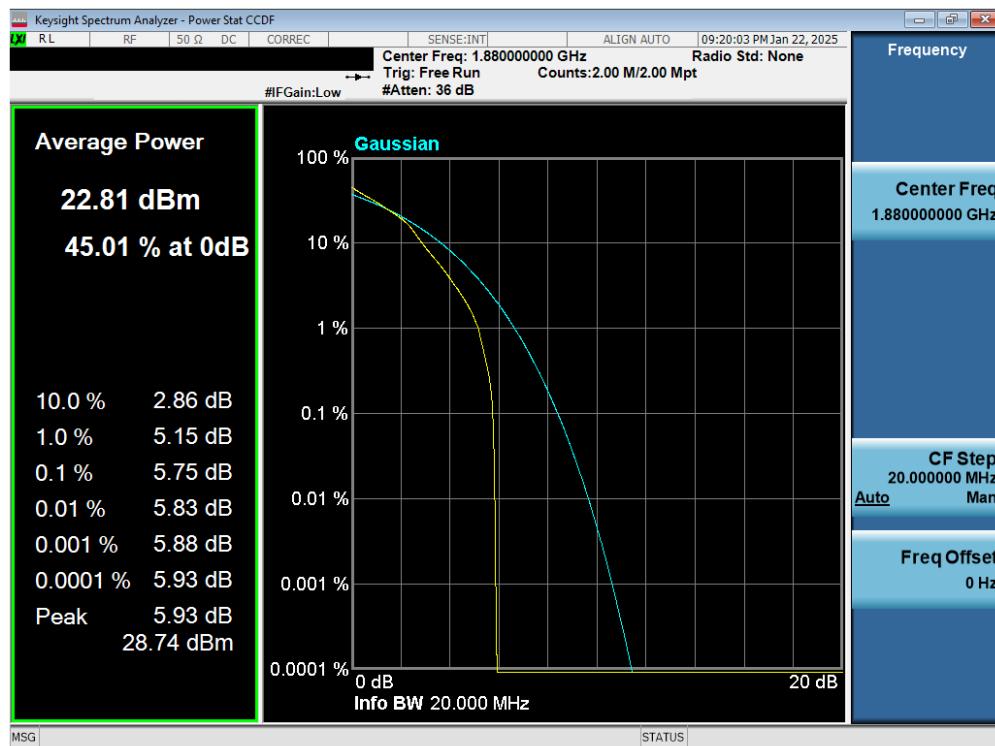


**Plot 7-148. PAR Plot (LTE Band 2 - 15MHz 16-QAM - Full RB Configuration)**

FCC ID: BCG-A3281	element		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 95 of 130



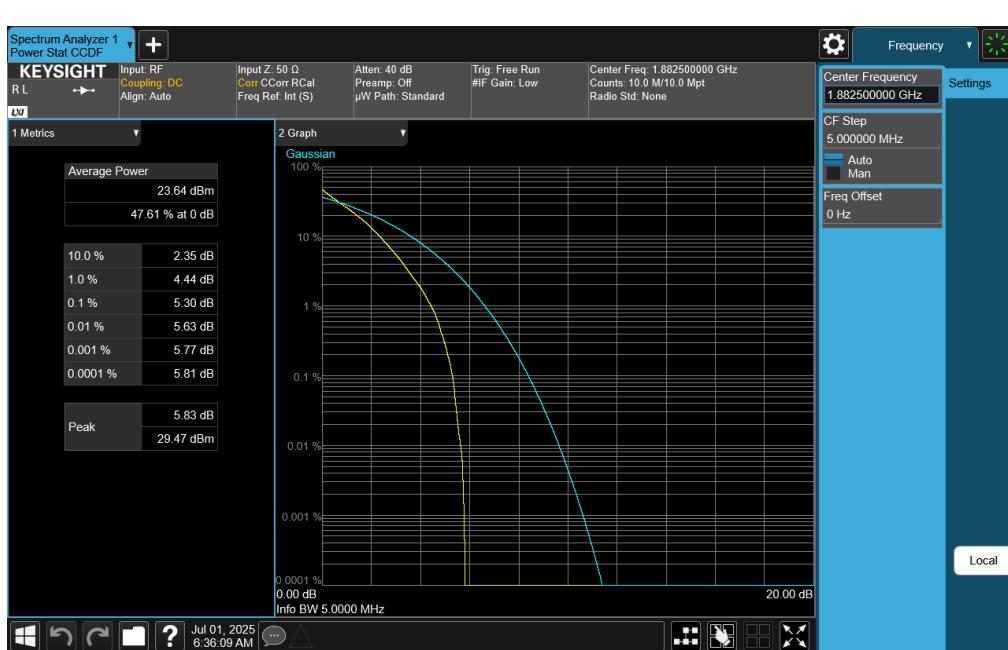
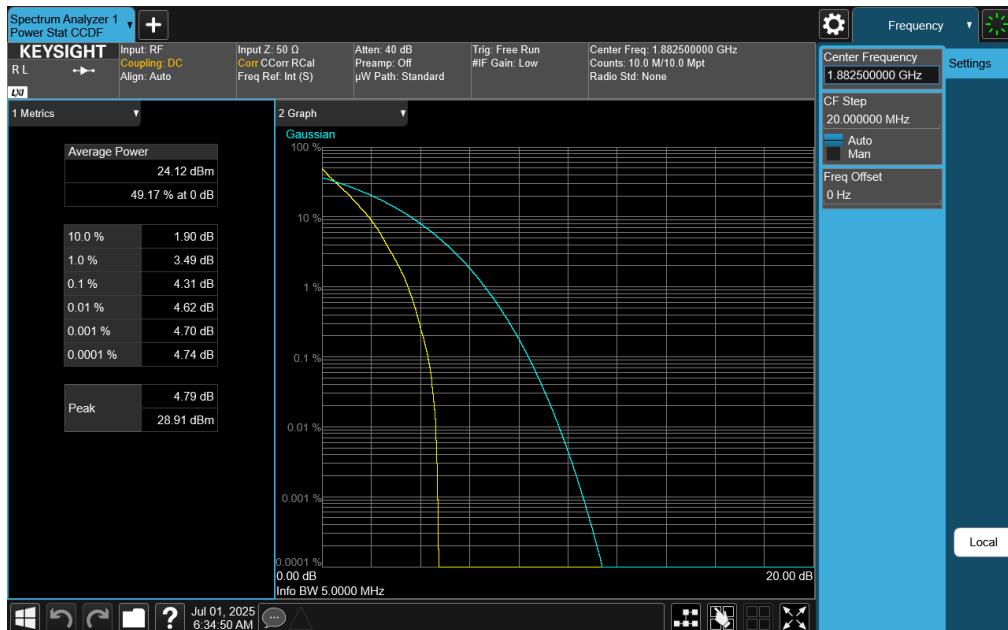
Plot 7-149. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB Configuration)



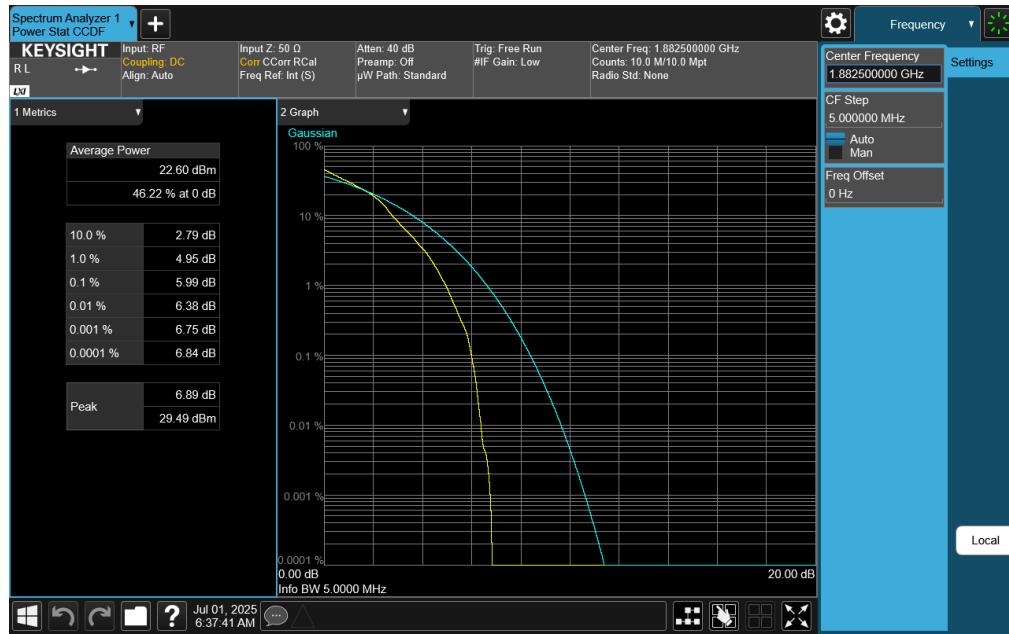
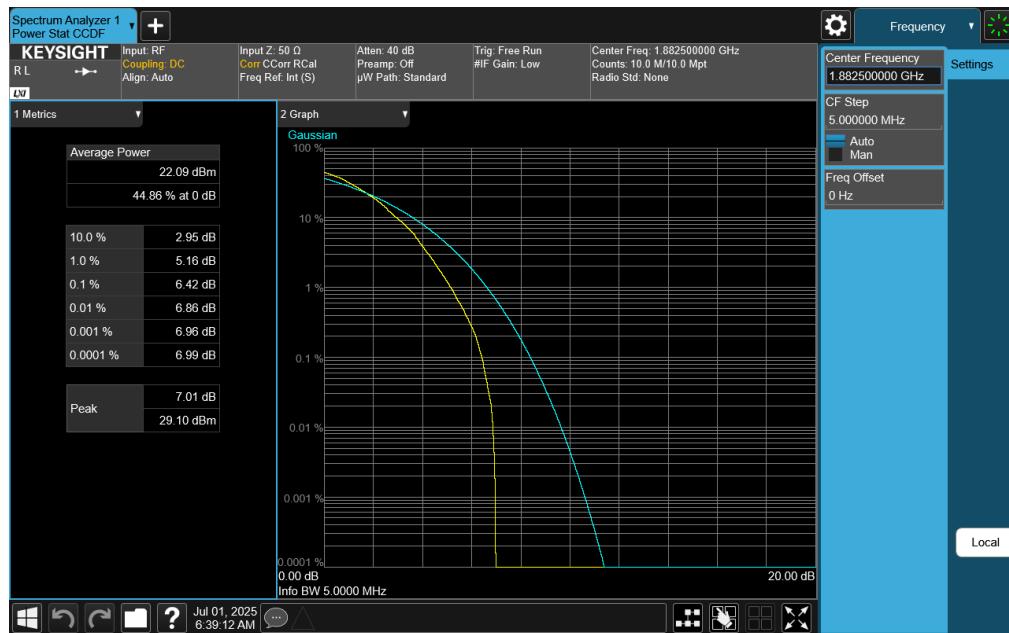
Plot 7-150. PAR Plot (LTE Band 2 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3281	 element		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch		Page 96 of 130

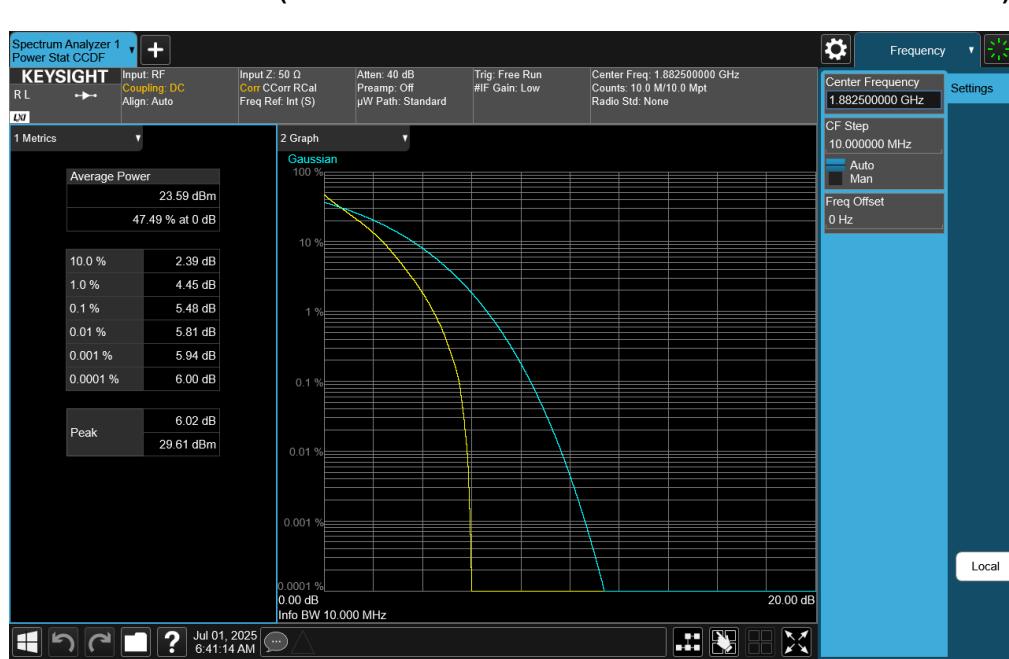
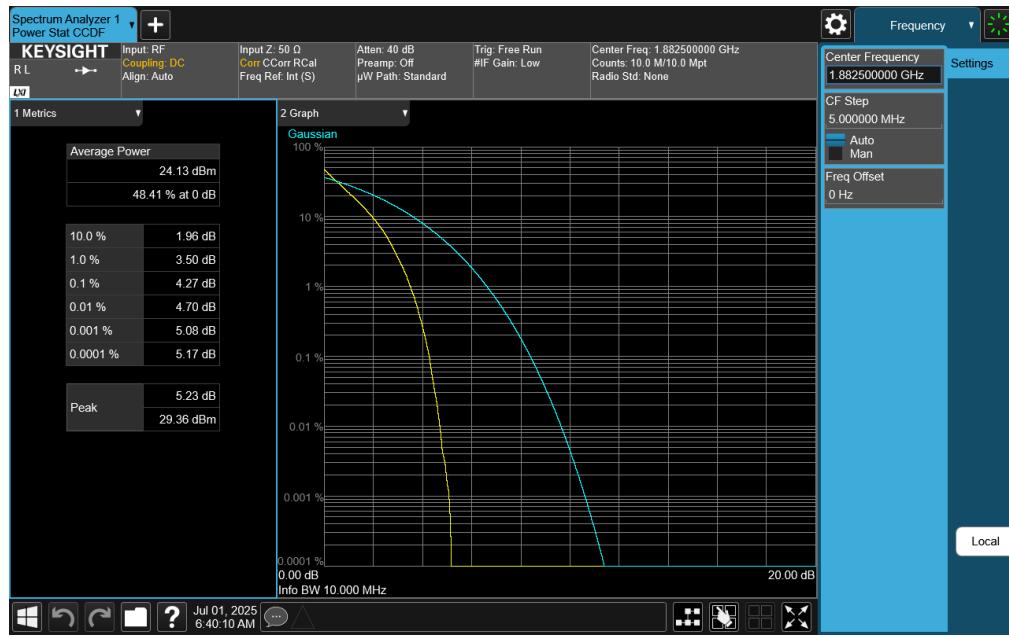
## NR Band n25



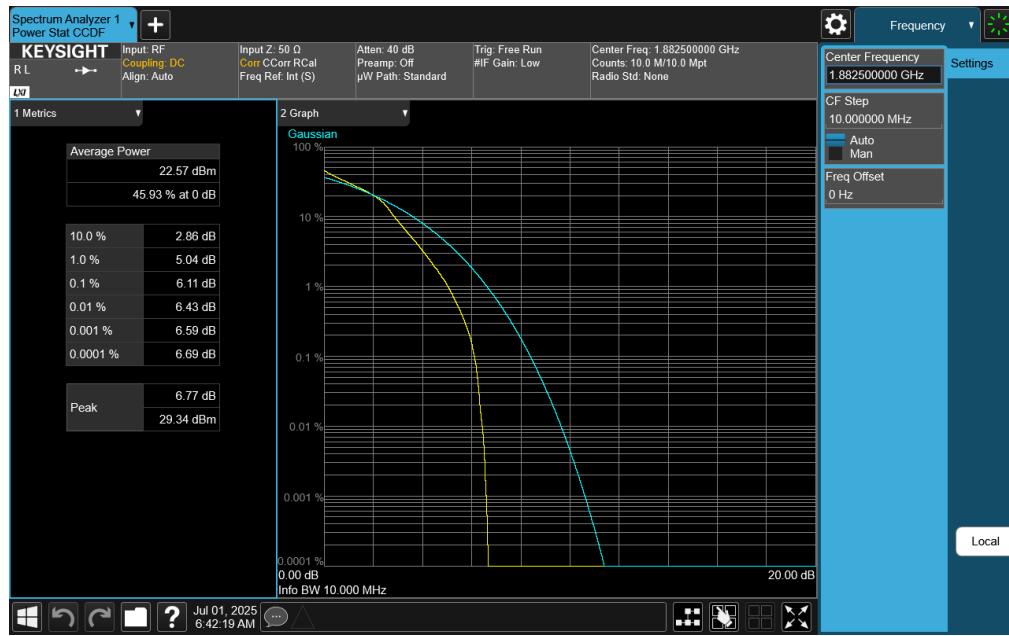
FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 97 of 130


**Plot 7-153. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)**

**Plot 7-154. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)**

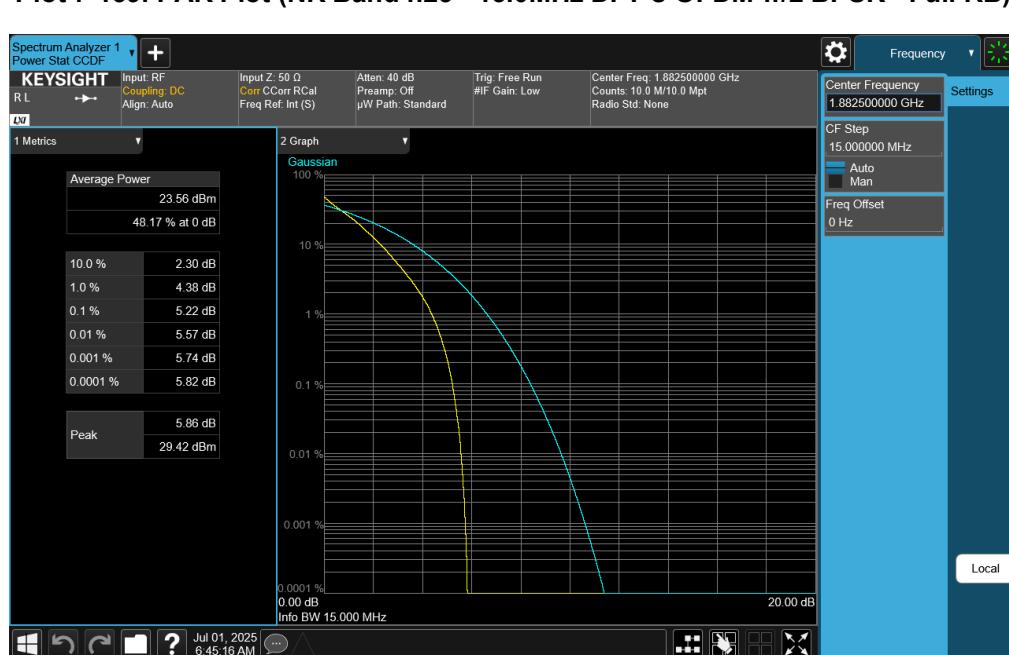
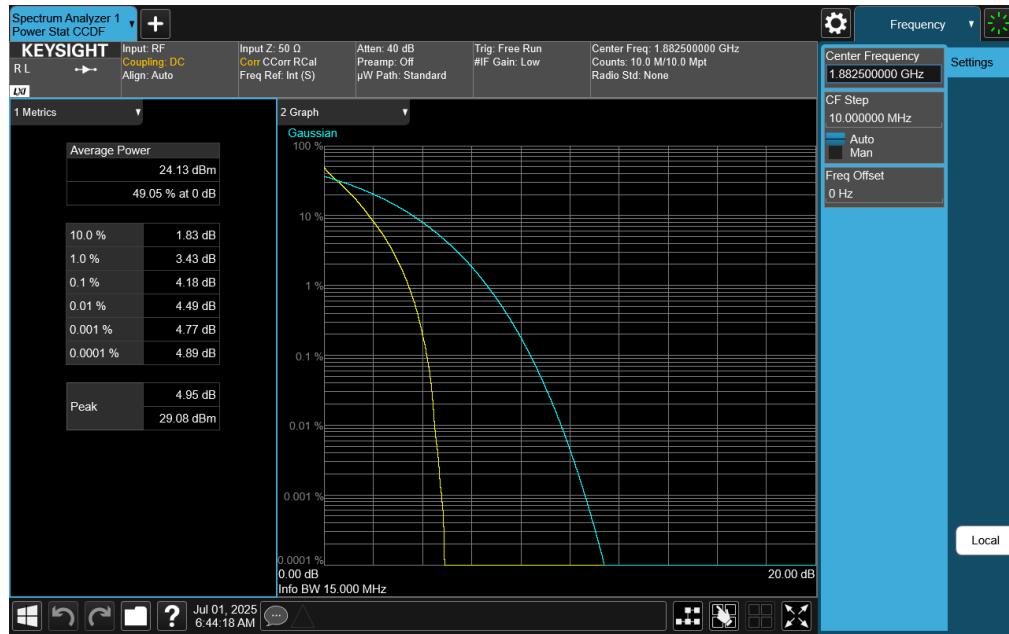
FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 98 of 130



FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 99 of 130



FCC ID: BCG-A3281	 <b>element</b>		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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FCC ID: BCG-A3281	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270029-02.BCG	Test Dates: 01/17/2025 - 07/14/2025	EUT Type: Watch	Page 101 of 130