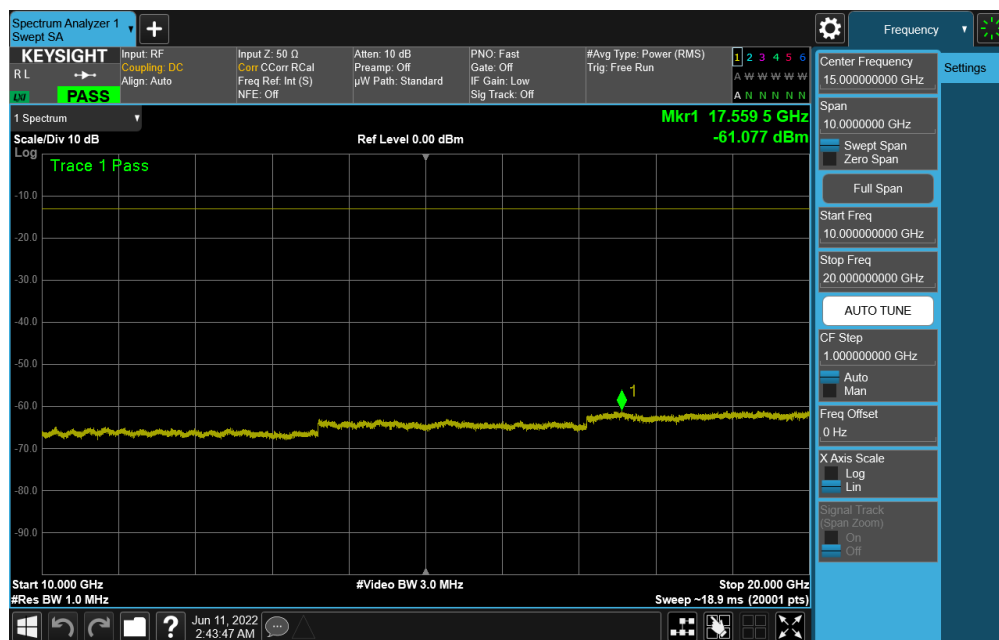
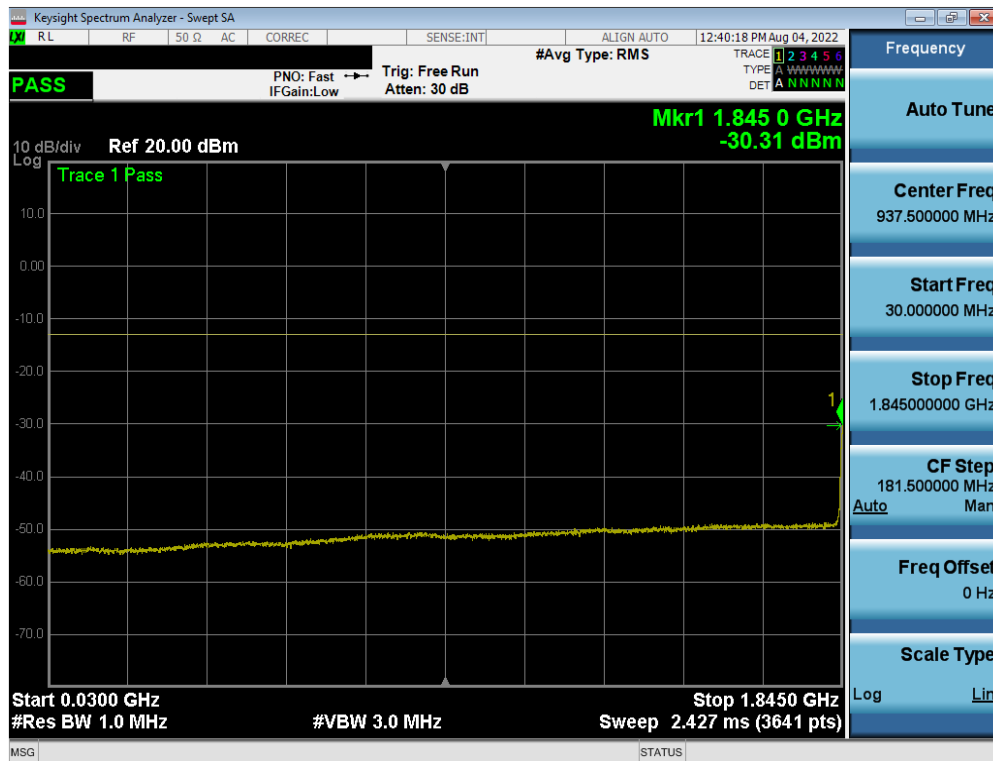




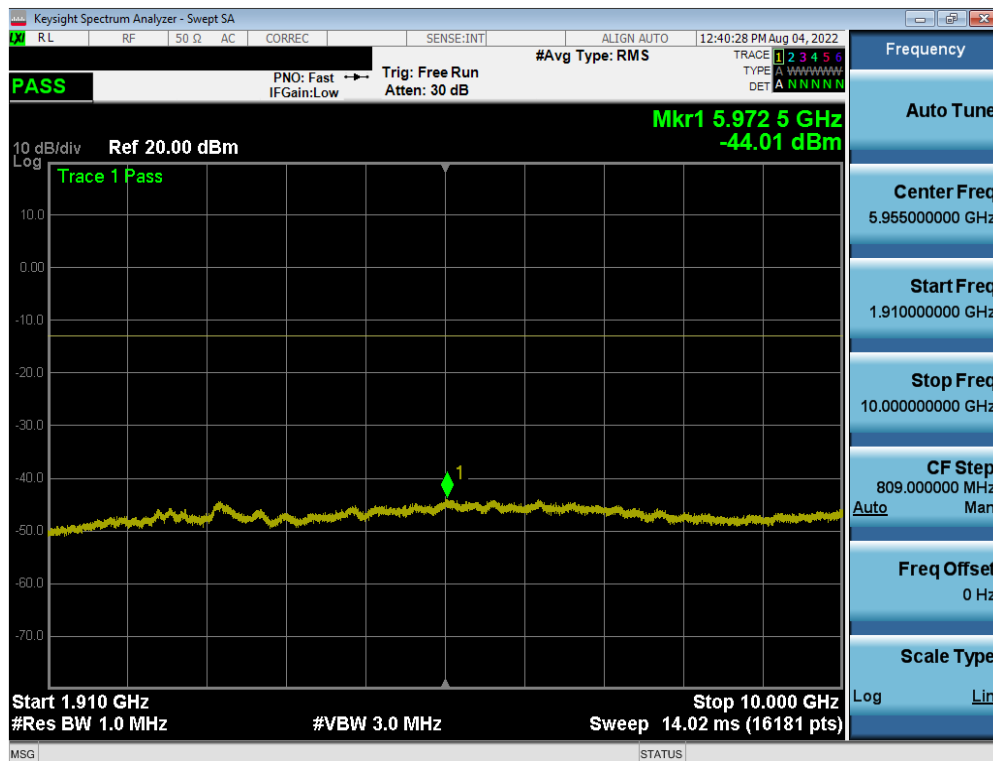
Plot 7-78. Conducted Spurious Plot (NR Band n25/n2 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

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Plot 7-79. Conducted Spurious Plot (WCDMA Ch. 9262)

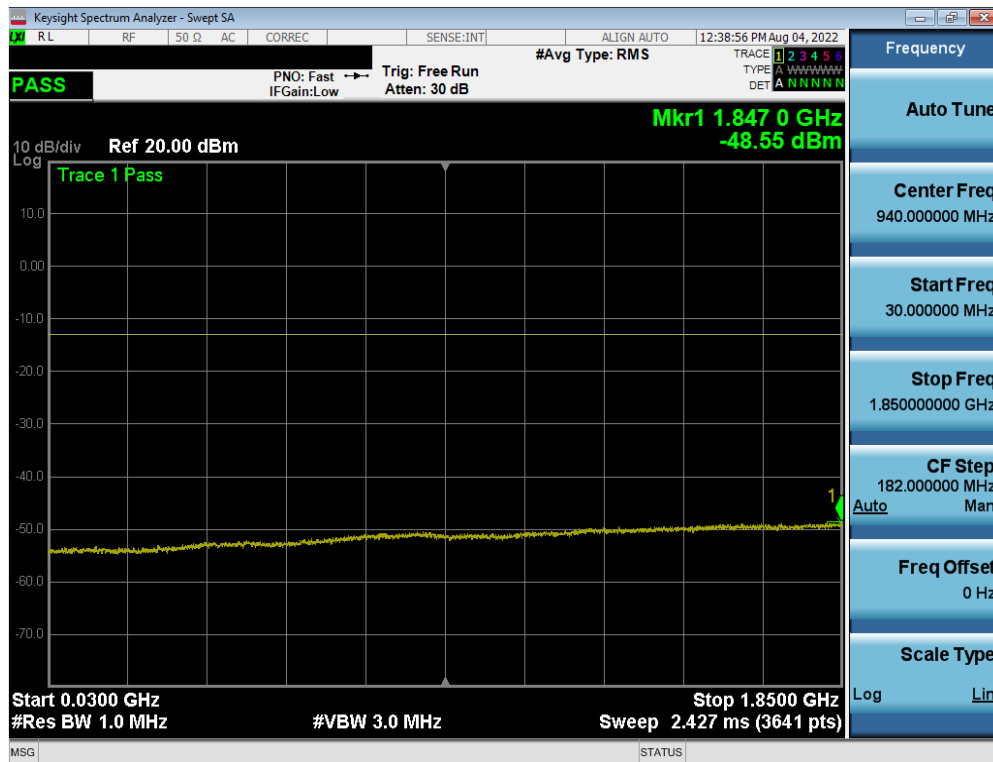


FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-80. Conducted Spurious Plot (WCDMA Ch. 9262)

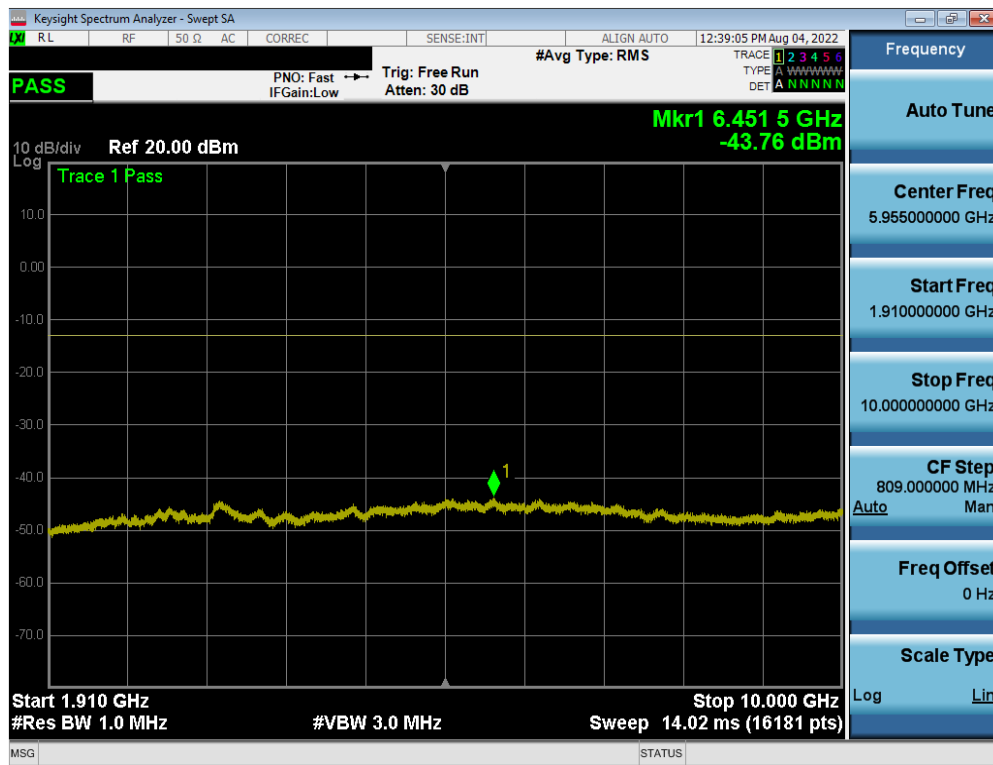


Plot 7-81. Conducted Spurious Plot (WCDMA Ch. 9262)

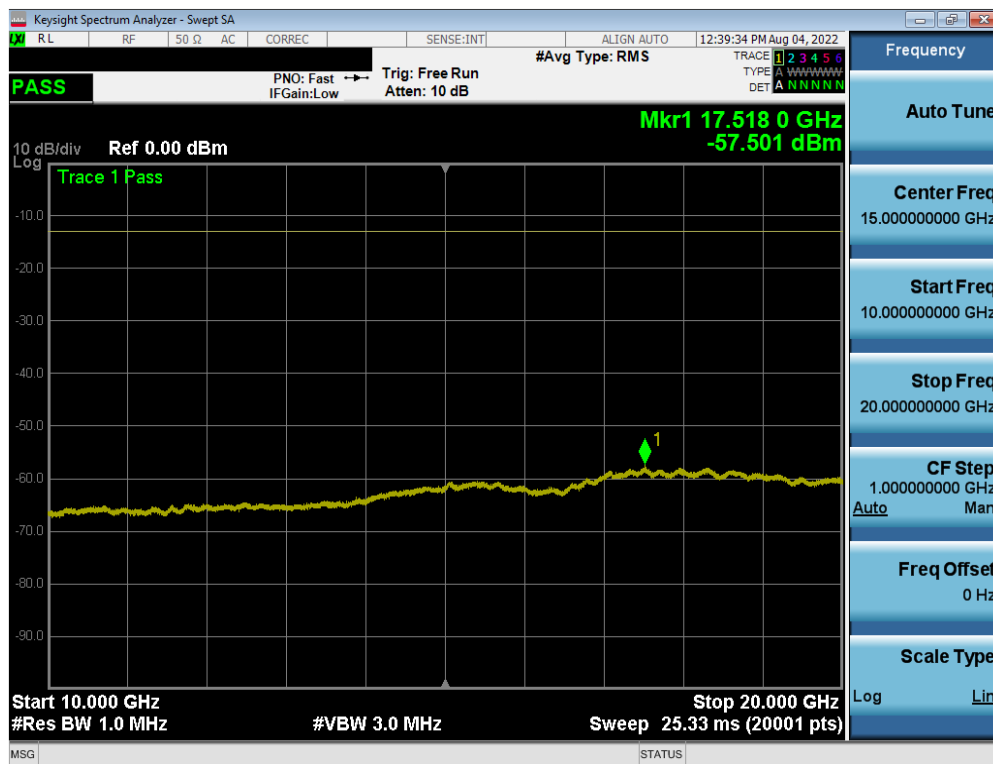


Plot 7-82. Conducted Spurious Plot (WCDMA Ch. 9400)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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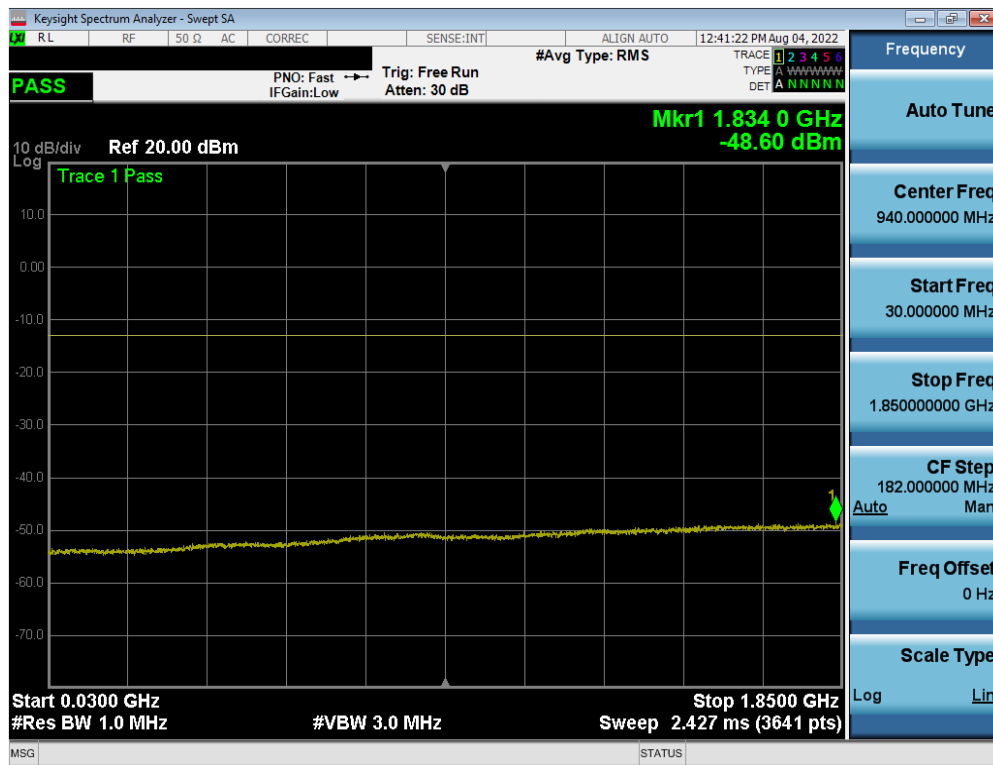
Plot 7-83. Conducted Spurious Plot (WCDMA Ch. 9400)



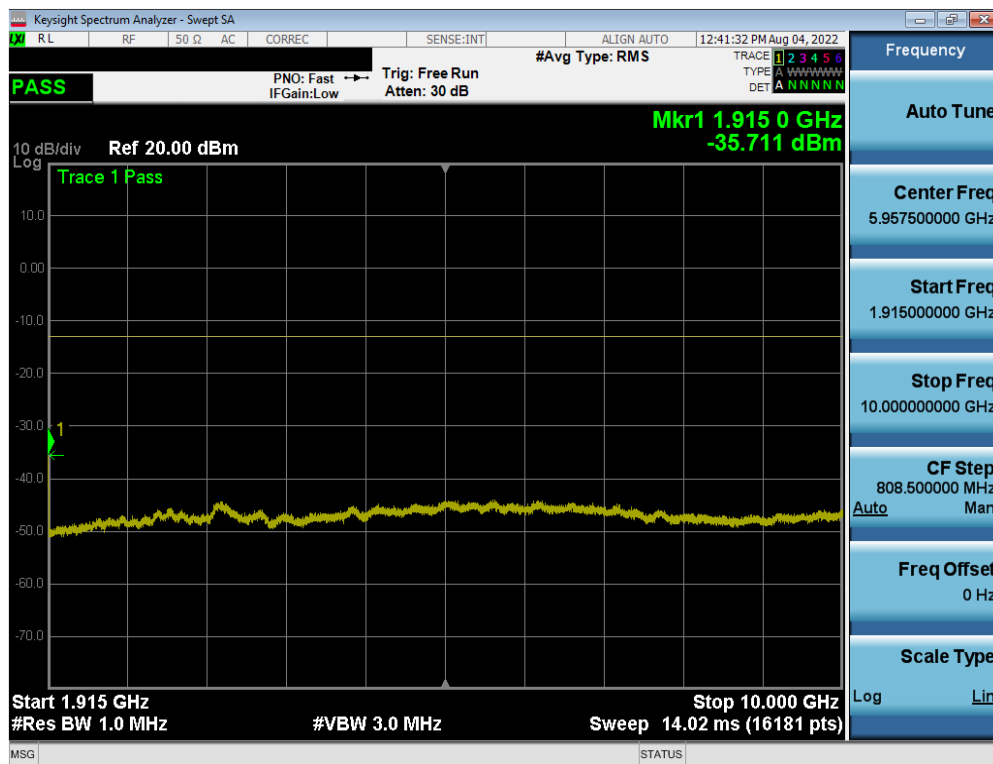
Plot 7-84. Conducted Spurious Plot (WCDMA Ch. 9400)

FCC ID: BCGA2435	element PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-02.BCG	Test Dates: 05/30/2022 - 9/6/2022	EUT Type: Tablet Device	Page 59 of 213

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Plot 7-85. Conducted Spurious Plot (WCDMA Ch. 9538)

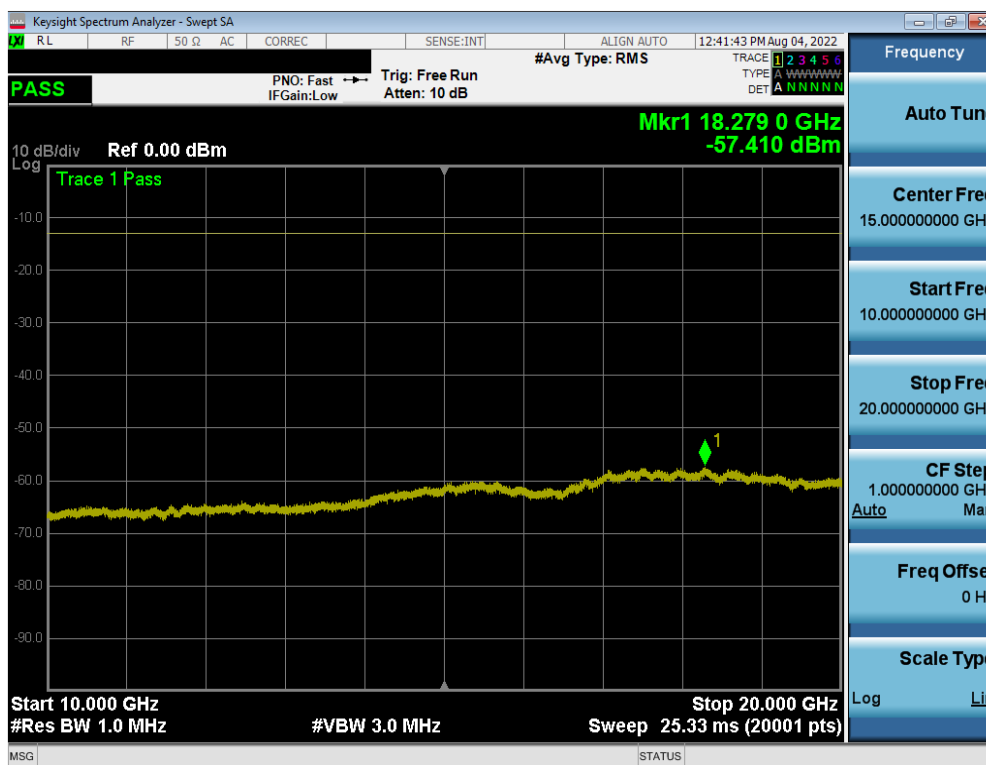


FCC ID: BCGA2435	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-86. Conducted Spurious Plot (WCDMA Ch. 9538)



Plot 7-87. Conducted Spurious Plot (WCDMA Ch. 9538)

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7.4 Band Edge Emissions at Antenna Terminal

§2.1051, §24.238(a)

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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. All ports were tested and only the worst case data was reported.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. $\text{RBW} \geq 1\%$ of the emission bandwidth
4. $\text{VBW} \geq 3 \times \text{RBW}$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/\text{RBW}$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

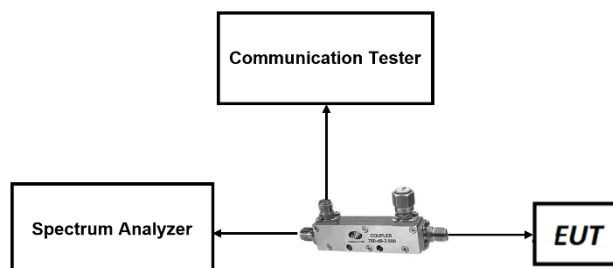


Figure 7-3. Test Instrument & Measurement Setup

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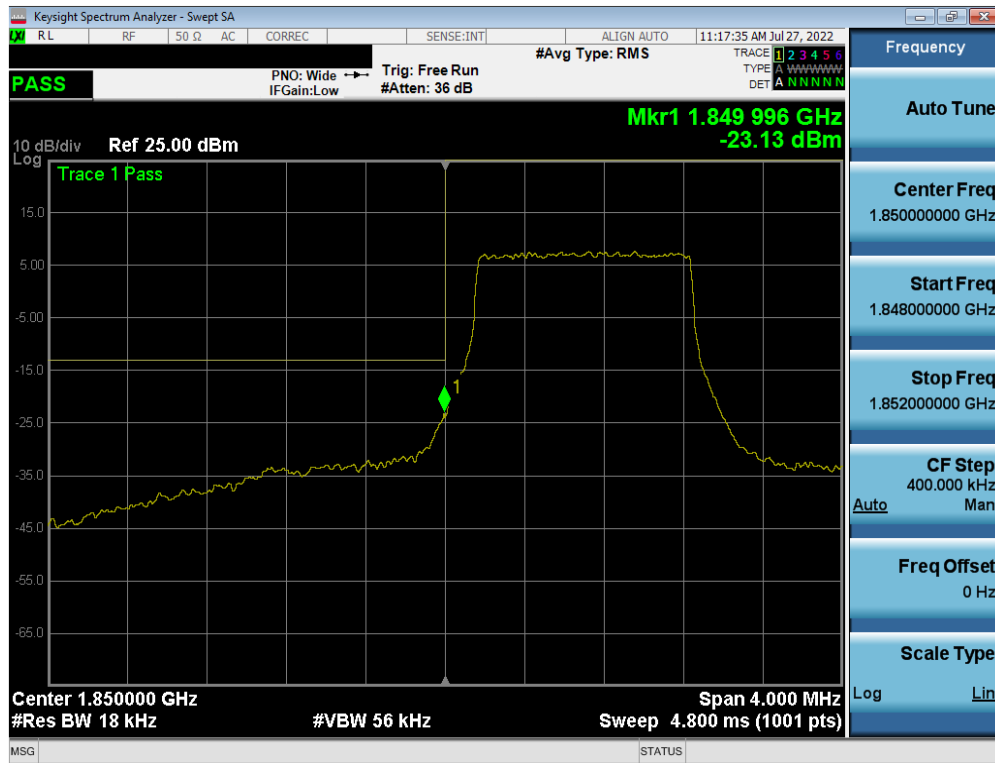
Test Notes

1. Per 24.238(a), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. 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.

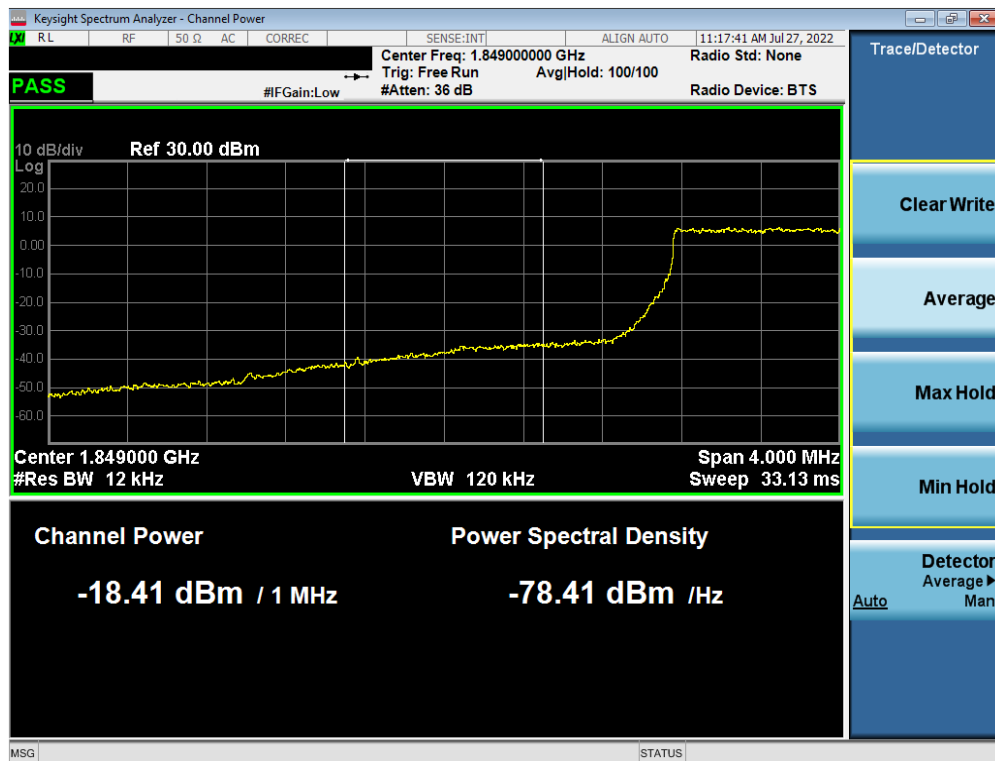
FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25



Plot 7-88. Lower Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)



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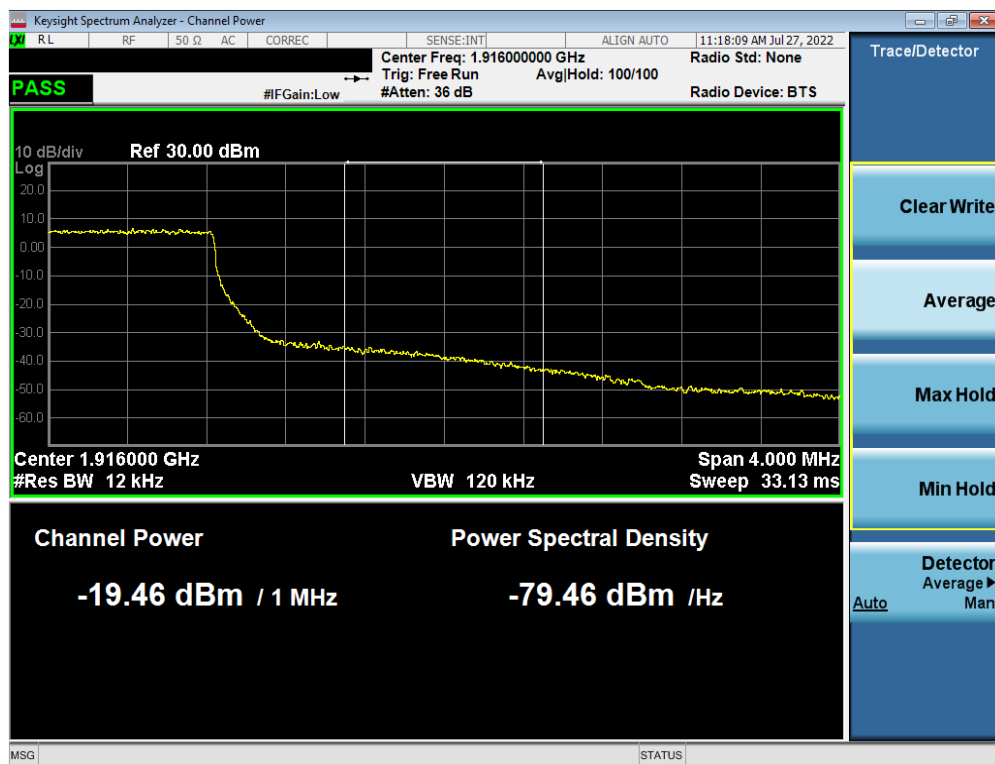
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Plot 7-89. Extended Lower Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)

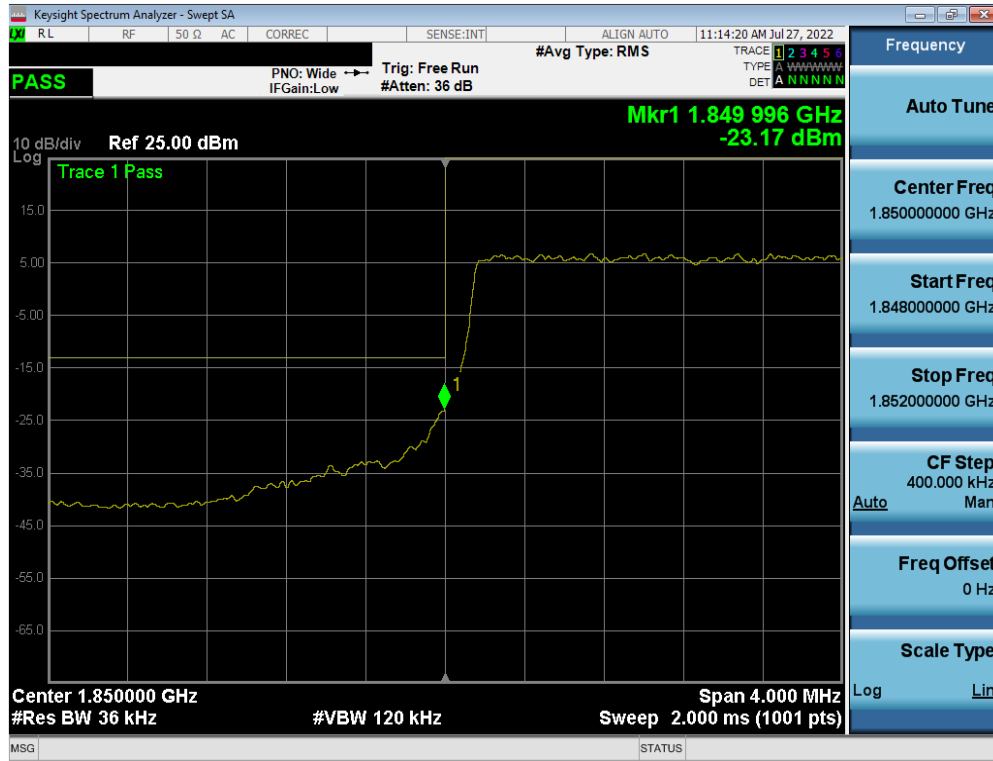


Plot 7-90. Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)



Plot 7-91. Extended Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-92. Lower Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB Configuration)



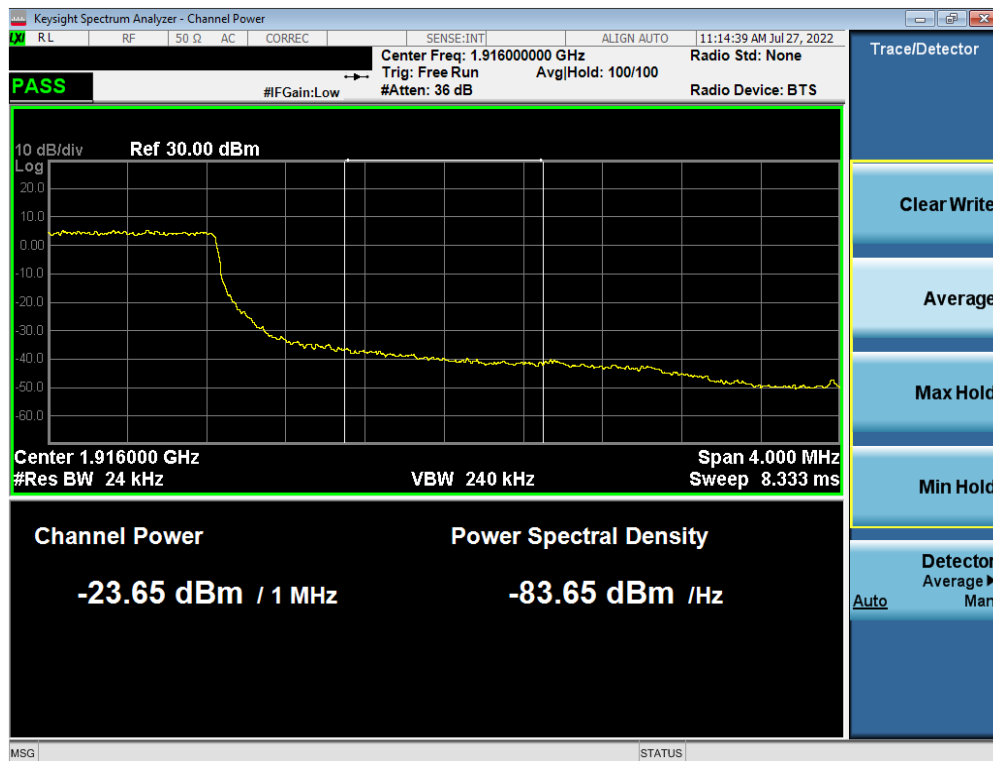
Plot 7-93. Extended Lower Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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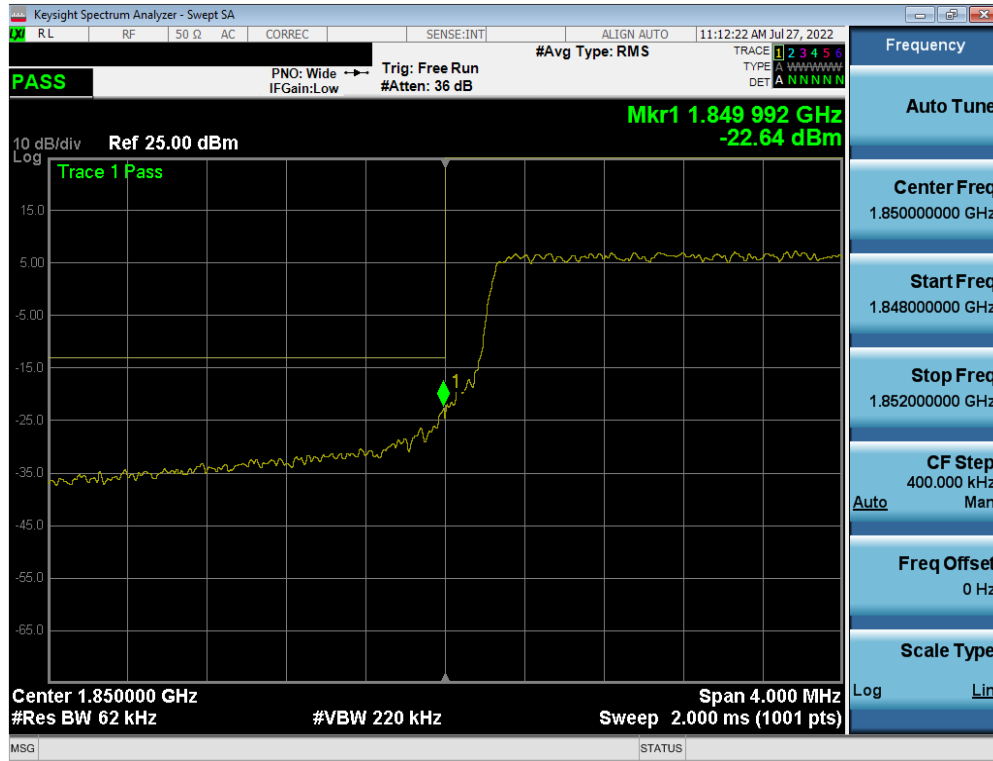


Plot 7-94. Upper Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB Configuration)



Plot 7-95. Extended Upper Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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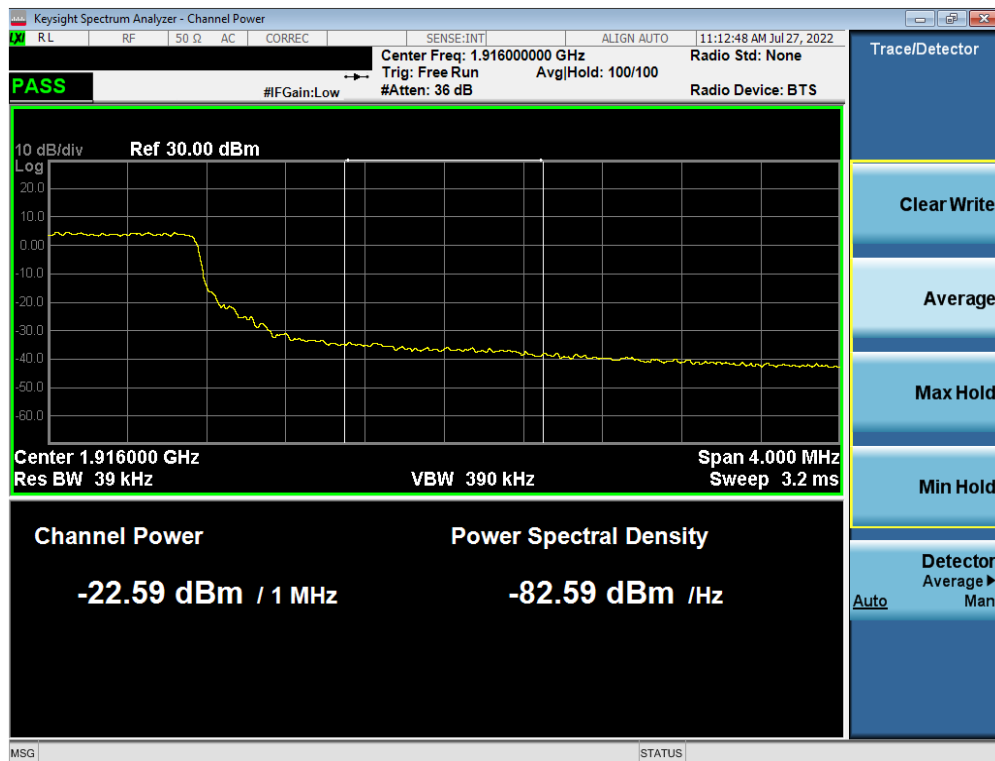


Plot 7-96. Lower Band Edge Plot (LTE Band 25 – 5MHz QPSK – Full RB Configuration)

Plot 7-97. Extended Lower Band Edge Plot (LTE Band 25 – 5MHz QPSK – Full RB Configuration)

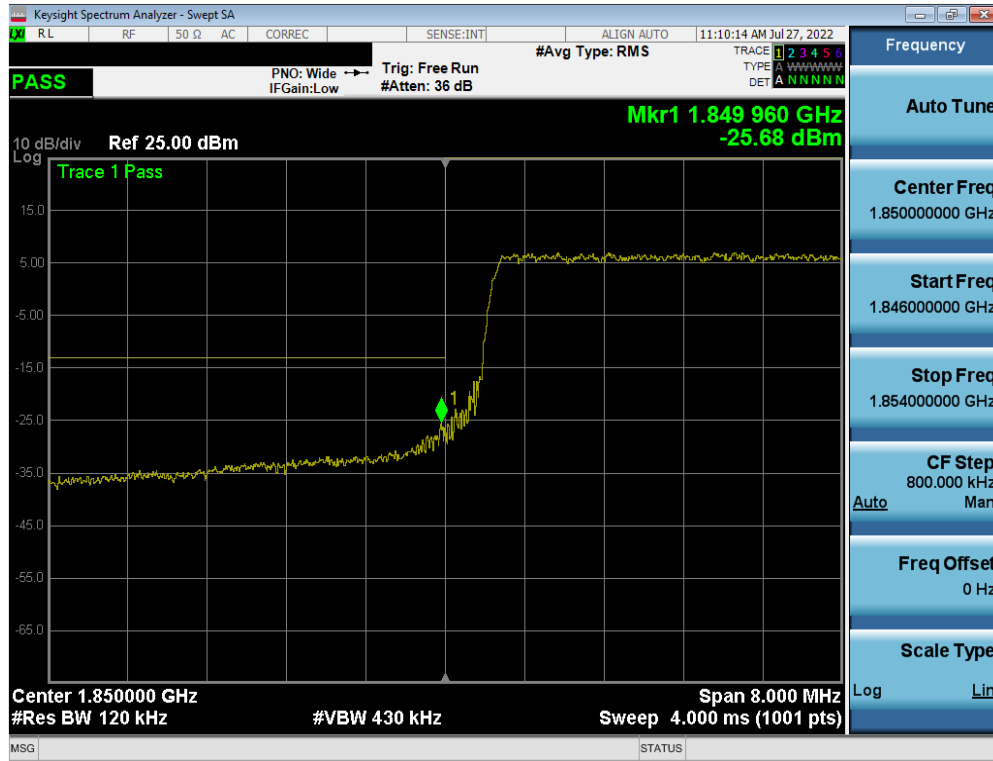


Plot 7-98. Upper Band Edge Plot (LTE Band 25 – 5MHz QPSK – Full RB Configuration)

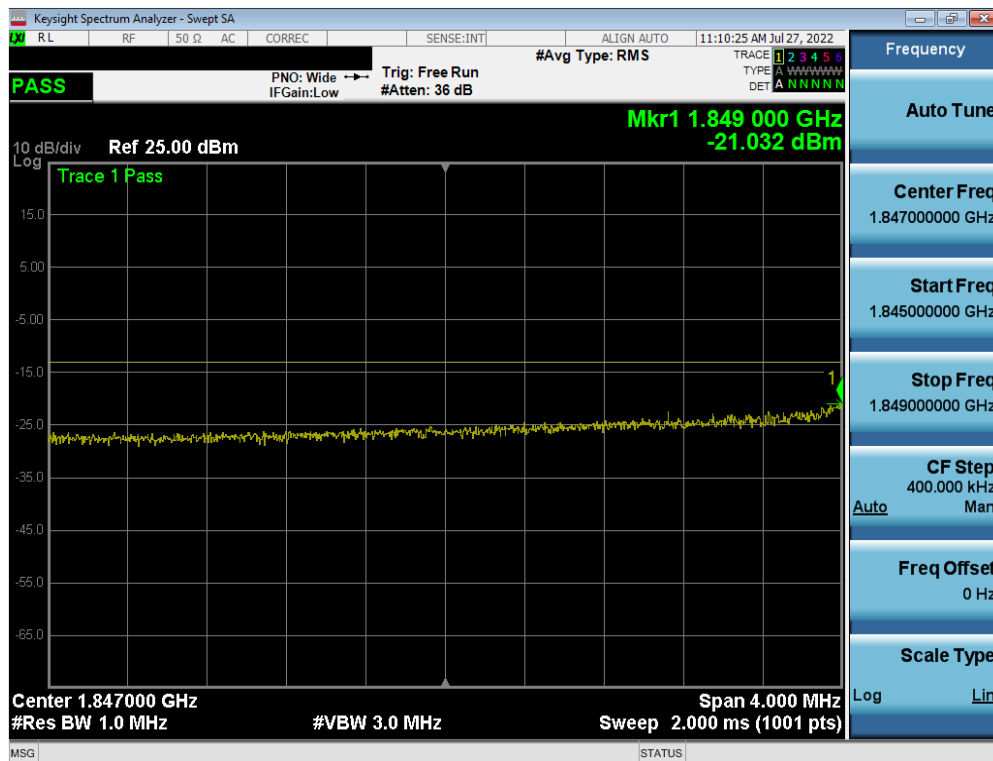


Plot 7-99. Extended Upper Band Edge Plot (LTE Band 25 – 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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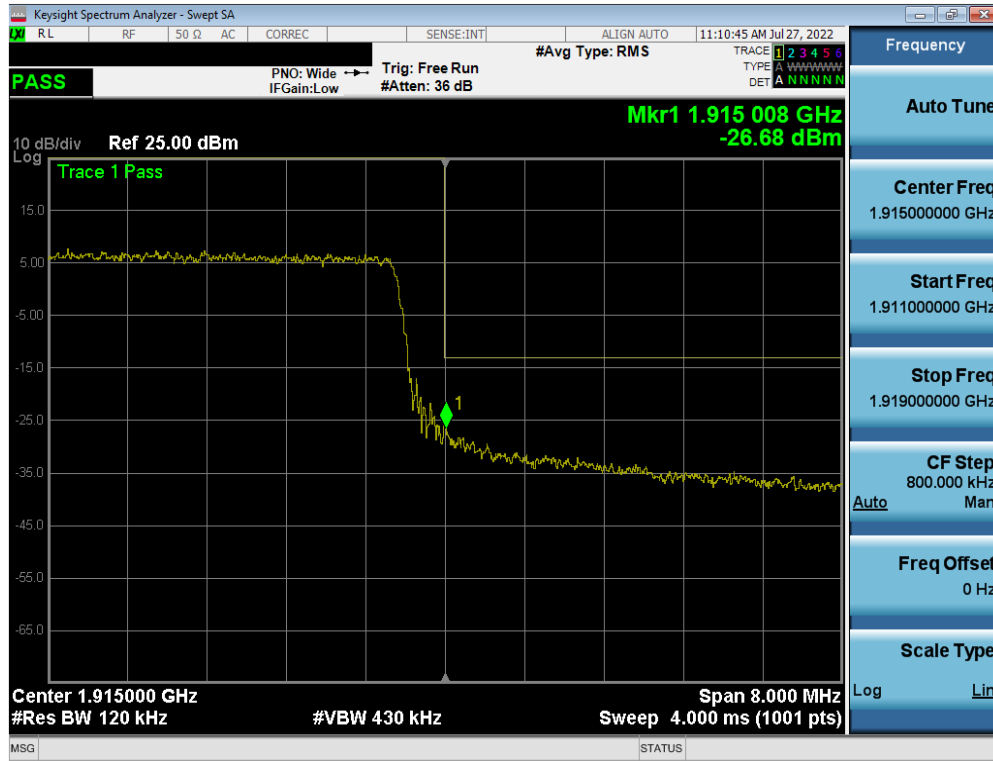


Plot 7-100. Lower Band Edge Plot (LTE Band 25 – 10MHz QPSK – Full RB Configuration)

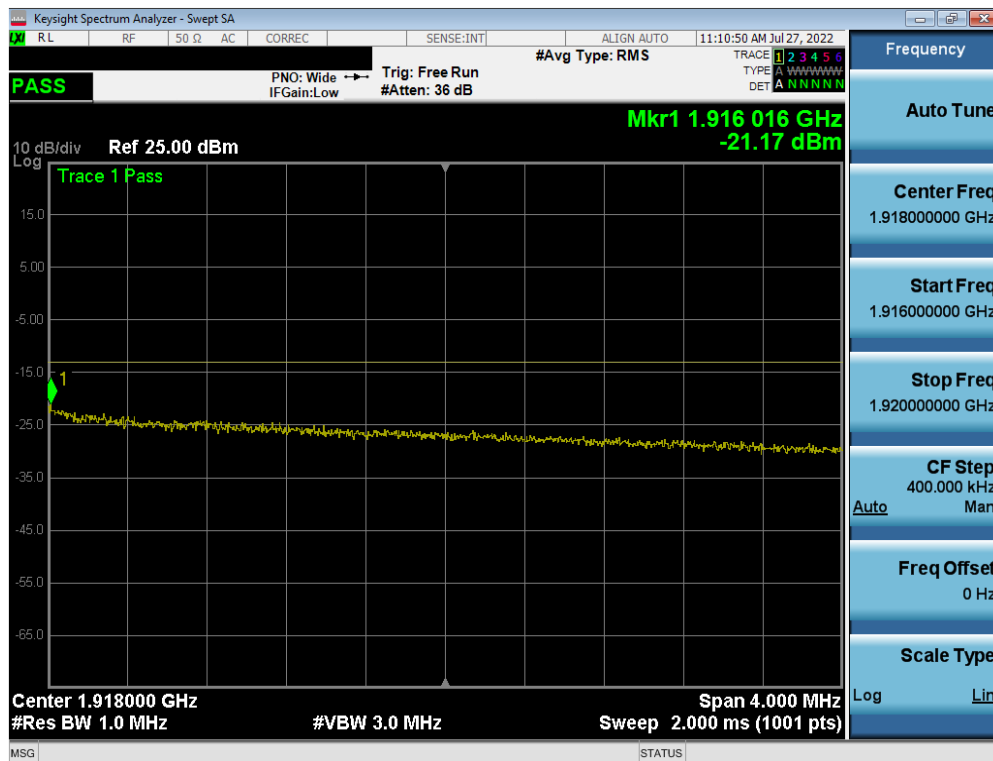


Plot 7-101. Extended Lower Band Edge Plot (LTE Band 25 – 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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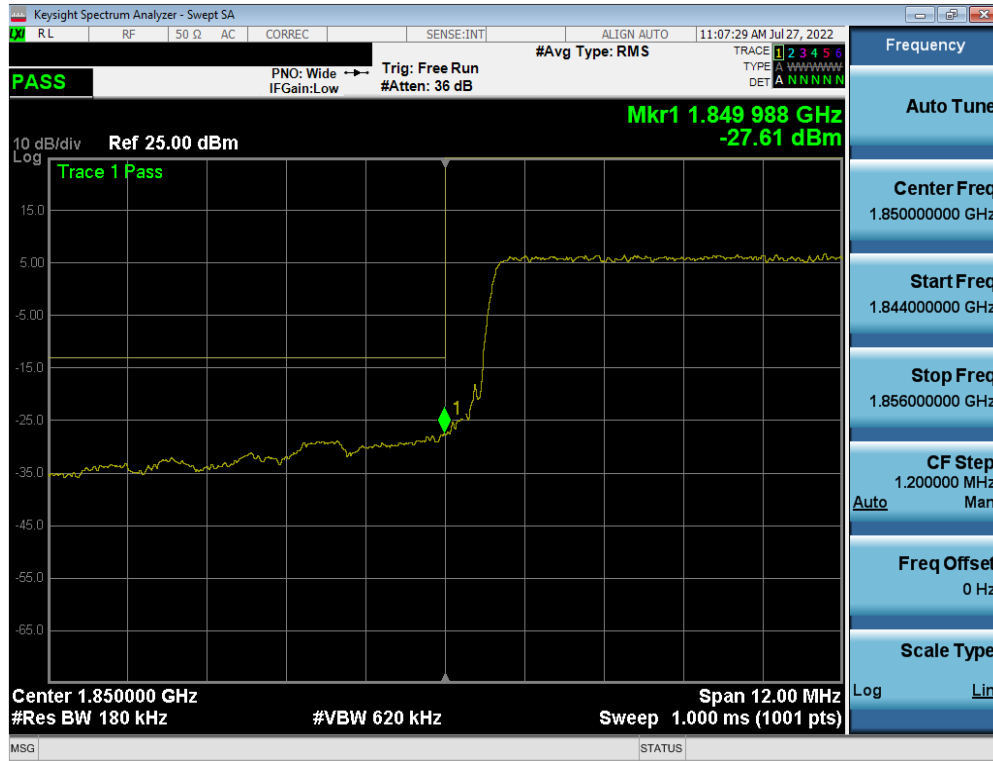


Plot 7-102. Upper Band Edge Plot (LTE Band 25 – 10MHz QPSK – Full RB Configuration)

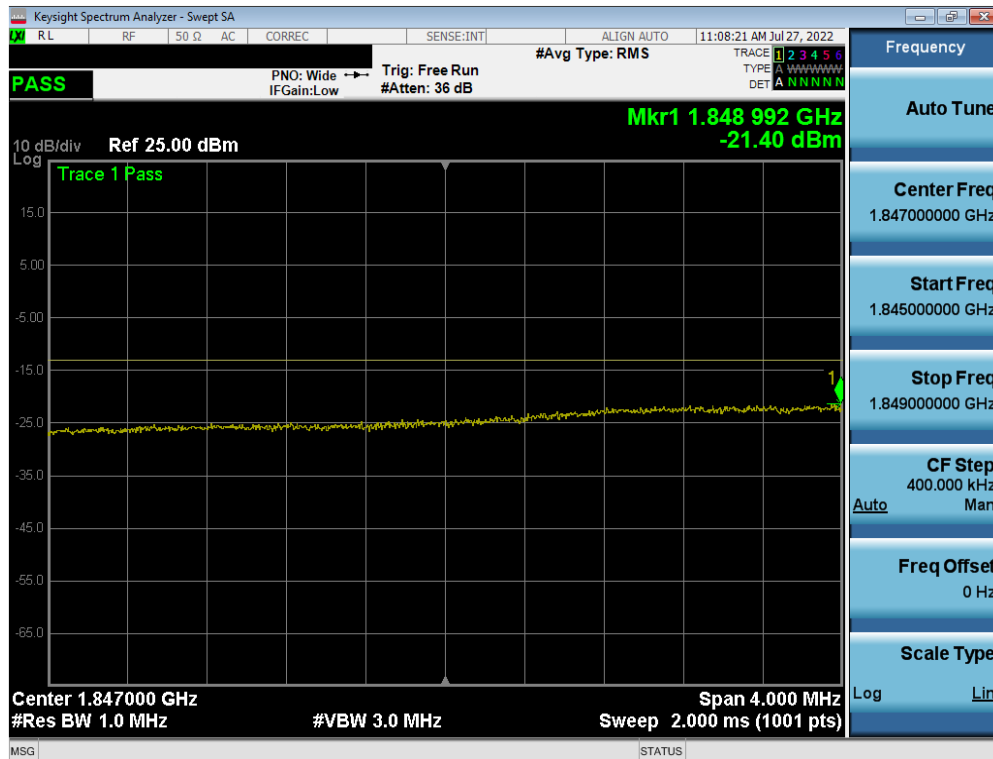


Plot 7-103. Extended Upper Band Edge Plot (LTE Band 25 – 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-104. Lower Band Edge Plot (LTE Band 25 – 15MHz QPSK – Full RB Configuration)



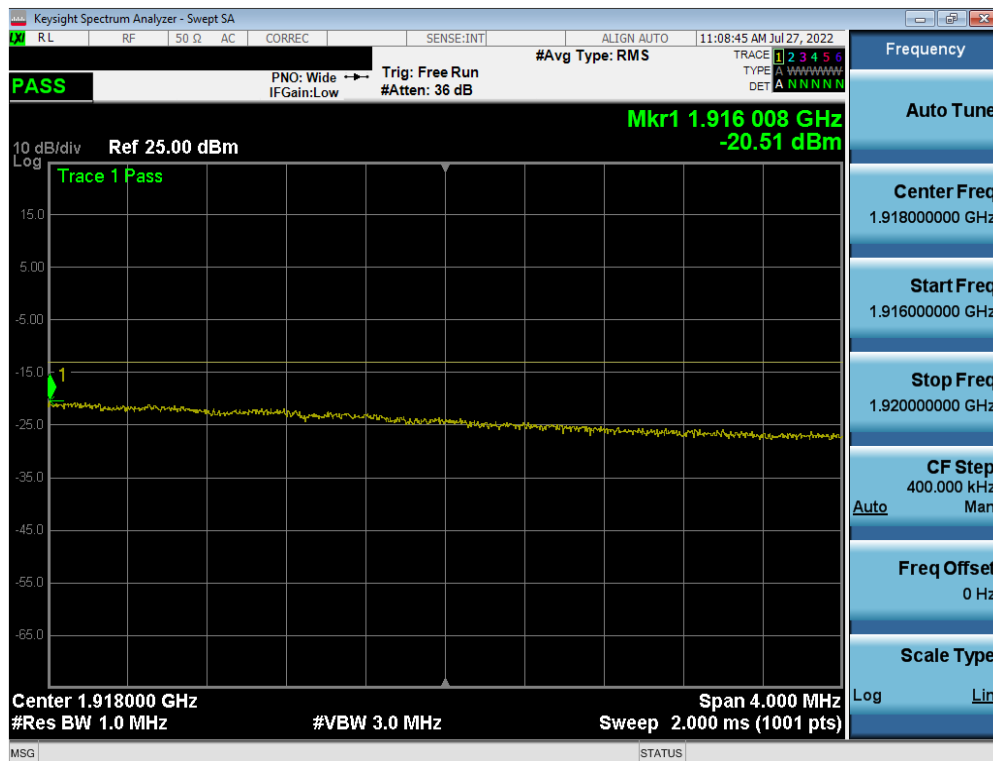
Plot 7-105. Extended Lower Band Edge Plot (LTE Band 25 – 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-106. Upper Band Edge Plot (LTE Band 25 – 15MHz QPSK – Full RB Configuration)

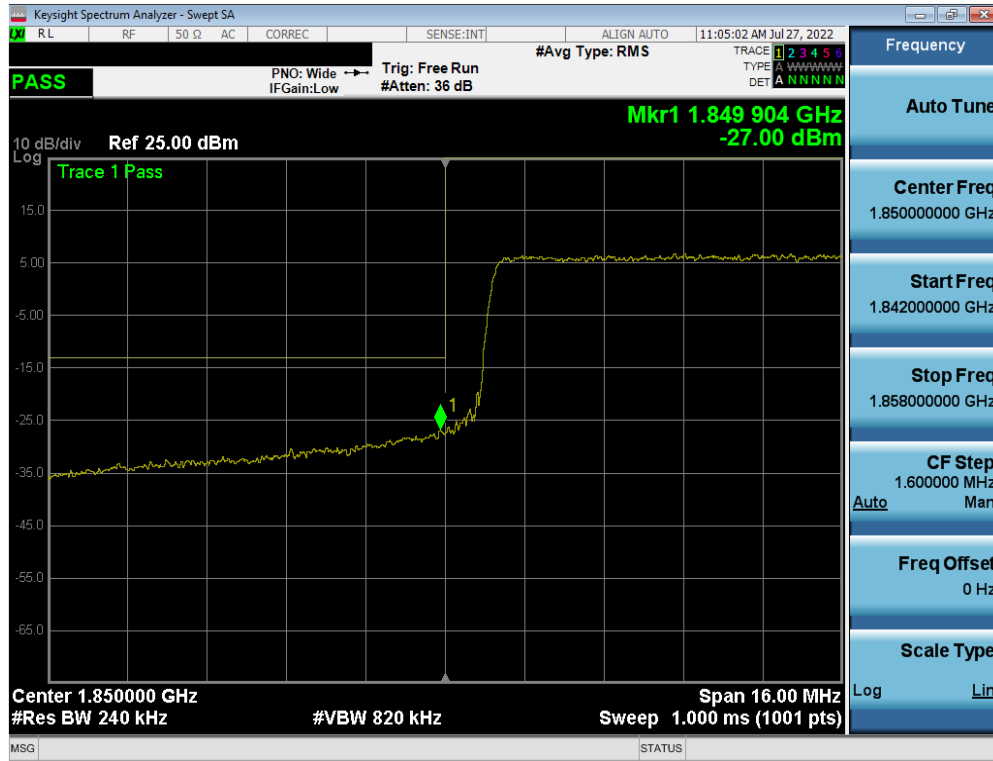


Plot 7-107. Extended Upper Band Edge Plot (LTE Band 25 – 15MHz QPSK – Full RB Configuration)

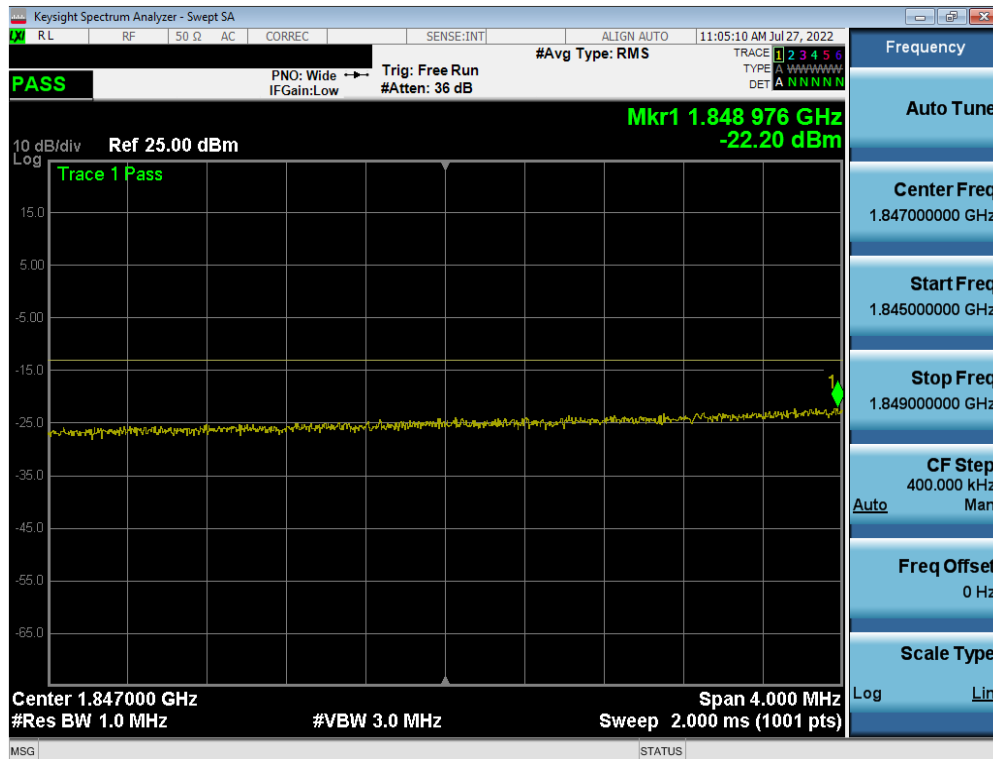
FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-108. Lower Band Edge Plot (LTE Band 25 – 20MHz QPSK – Full RB Configuration)

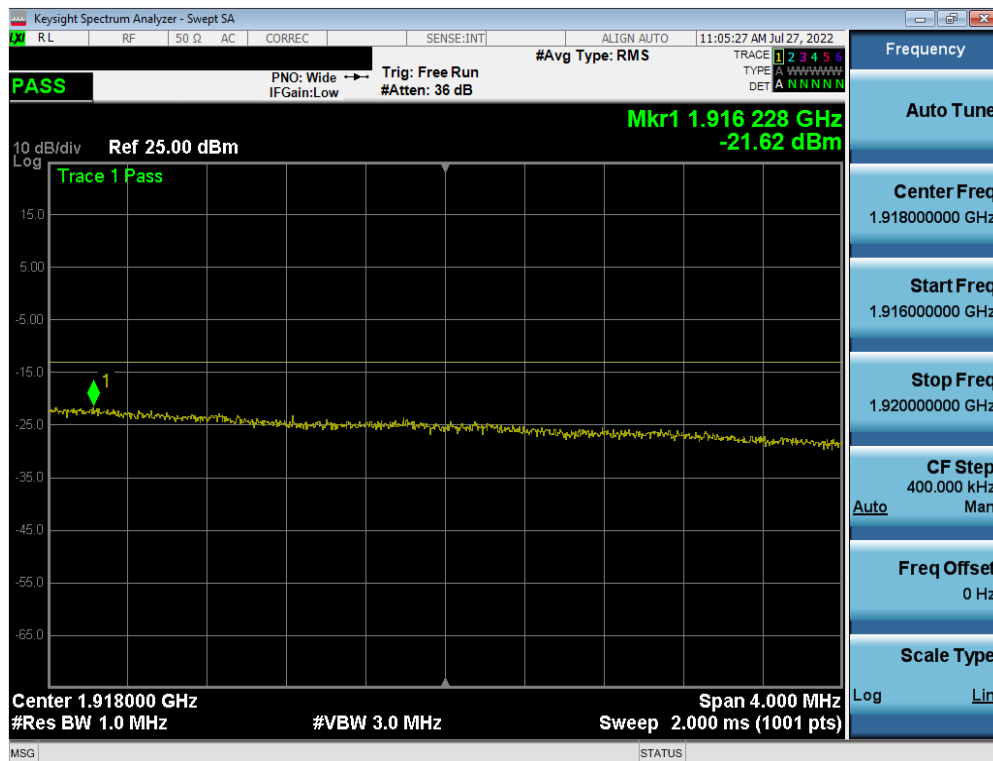


Plot 7-109. Extended Lower Band Edge Plot (LTE Band 25 – 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-110. Upper Band Edge Plot (LTE Band 25 – 20MHz QPSK – Full RB Configuration)

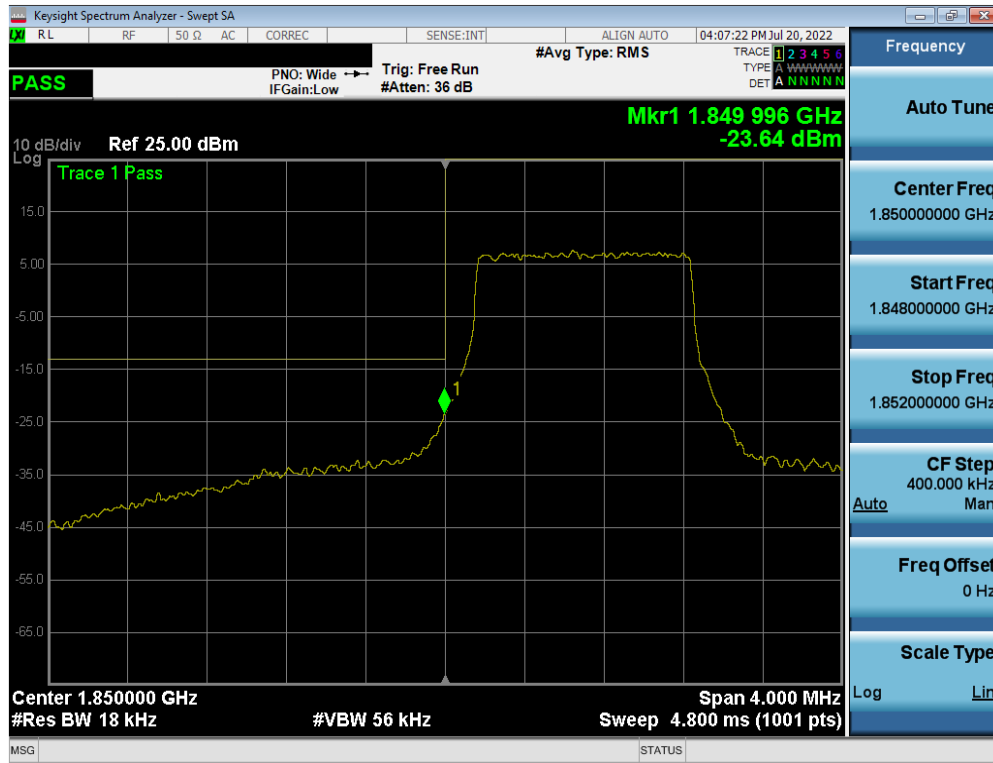


Plot 7-111. Extended Upper Band Edge Plot (LTE Band 25 – 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 2



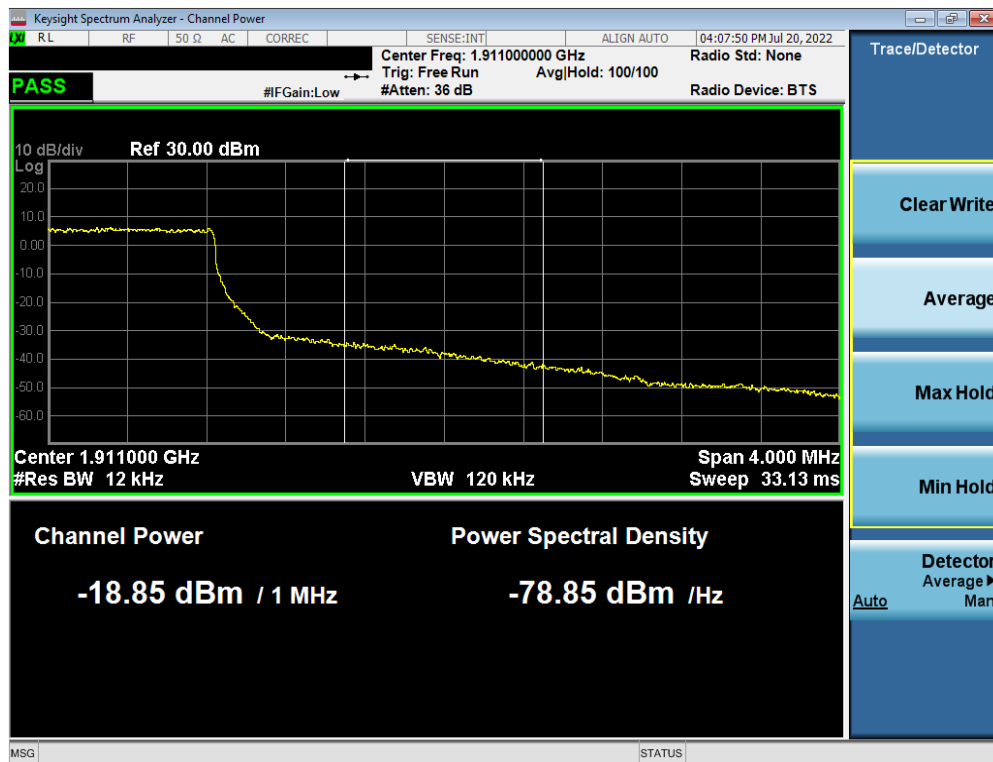
Plot 7-112. Lower Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)



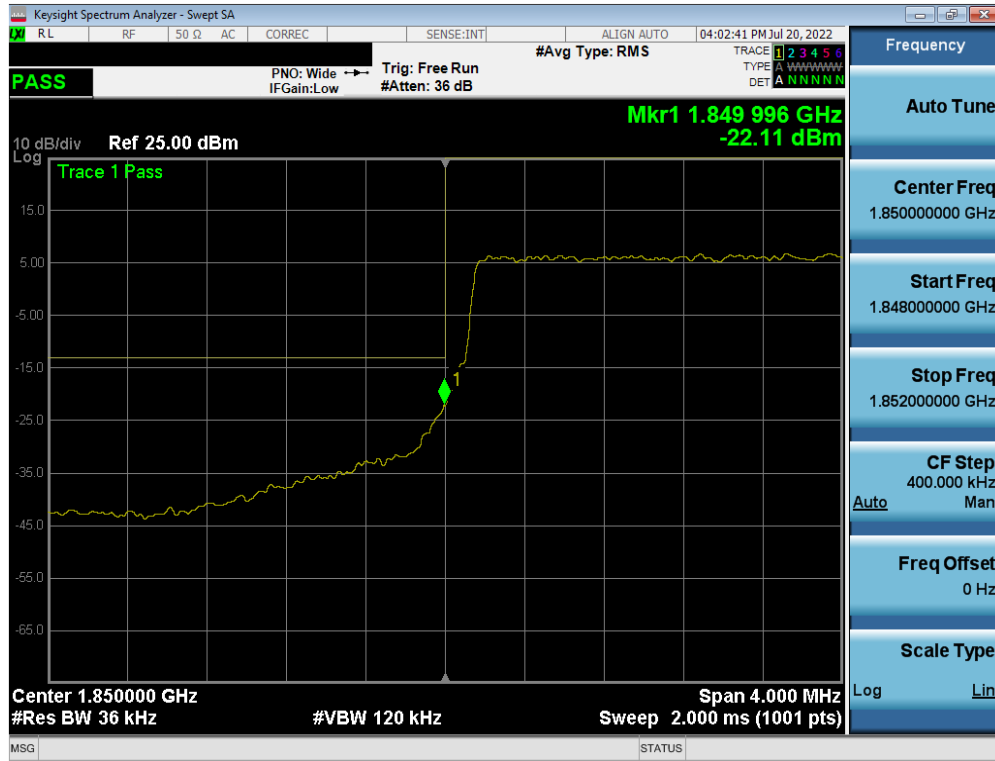
Plot 7-113. Extended Lower Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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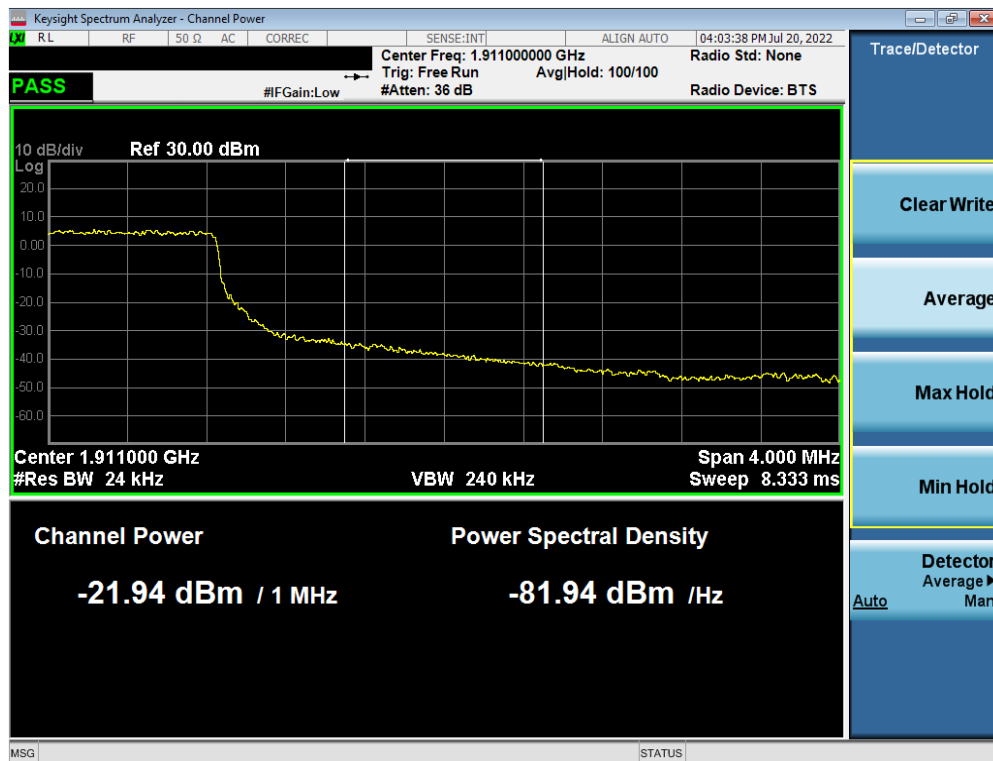


FCC ID: BCGA2435		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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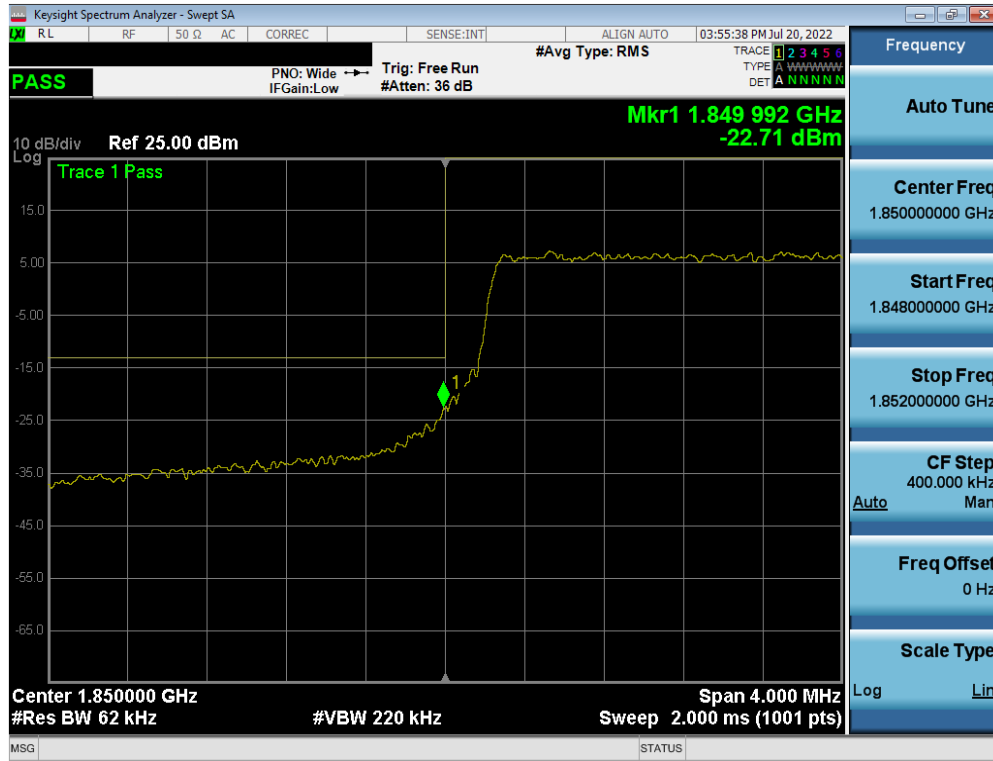
Plot 7-118. Upper Band Edge Plot (LTE Band 2 – 3MHz QPSK – Full RB Configuration)



Plot 7-119. Extended Upper Band Edge Plot (LTE Band 2 – 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-120. Lower Band Edge Plot (LTE Band 2 – 5MHz QPSK – Full RB Configuration)



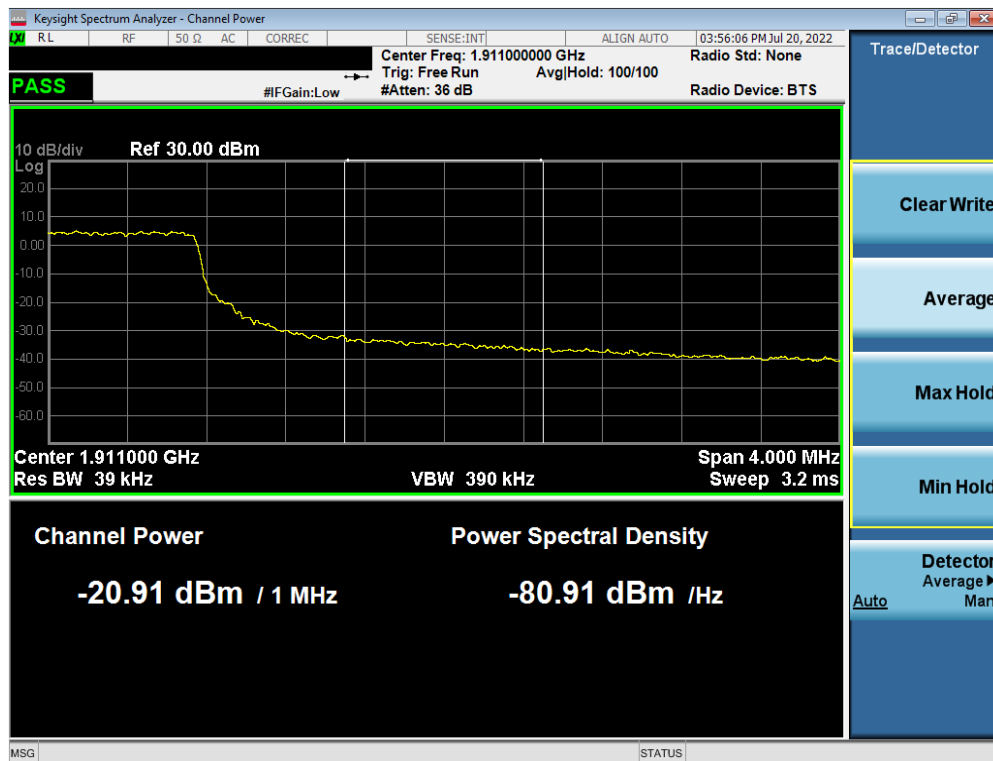
Plot 7-121. Extended Lower Band Edge Plot (LTE Band 2 – 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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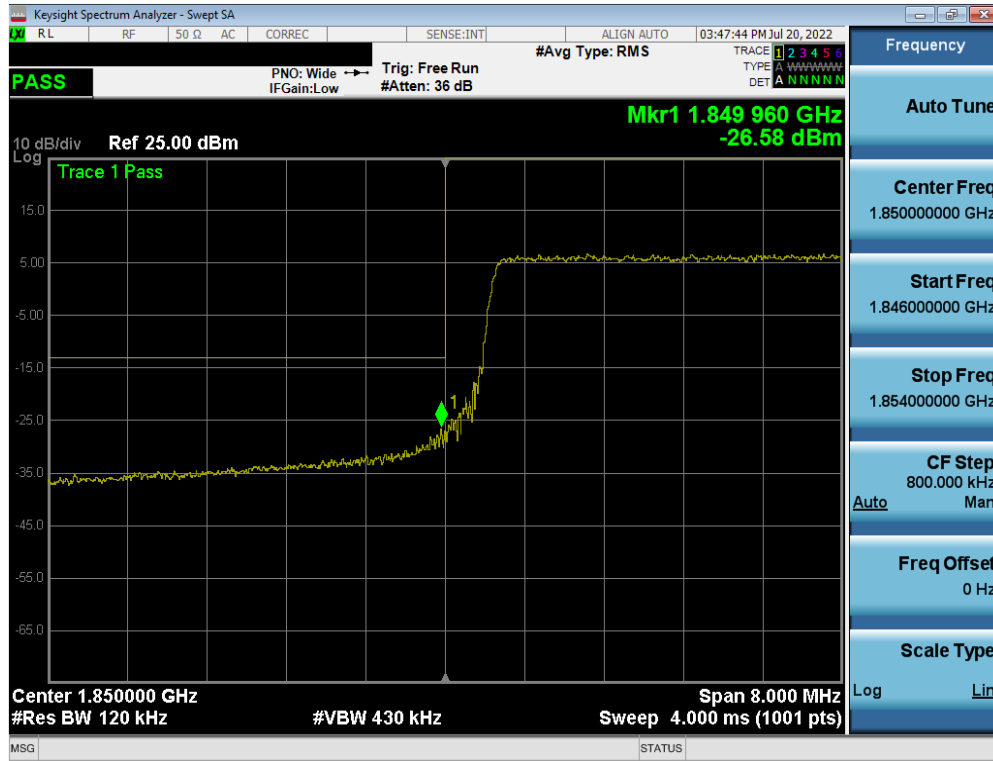
Plot 7-122. Upper Band Edge Plot (LTE Band 2 – 5MHz QPSK – Full RB Configuration)



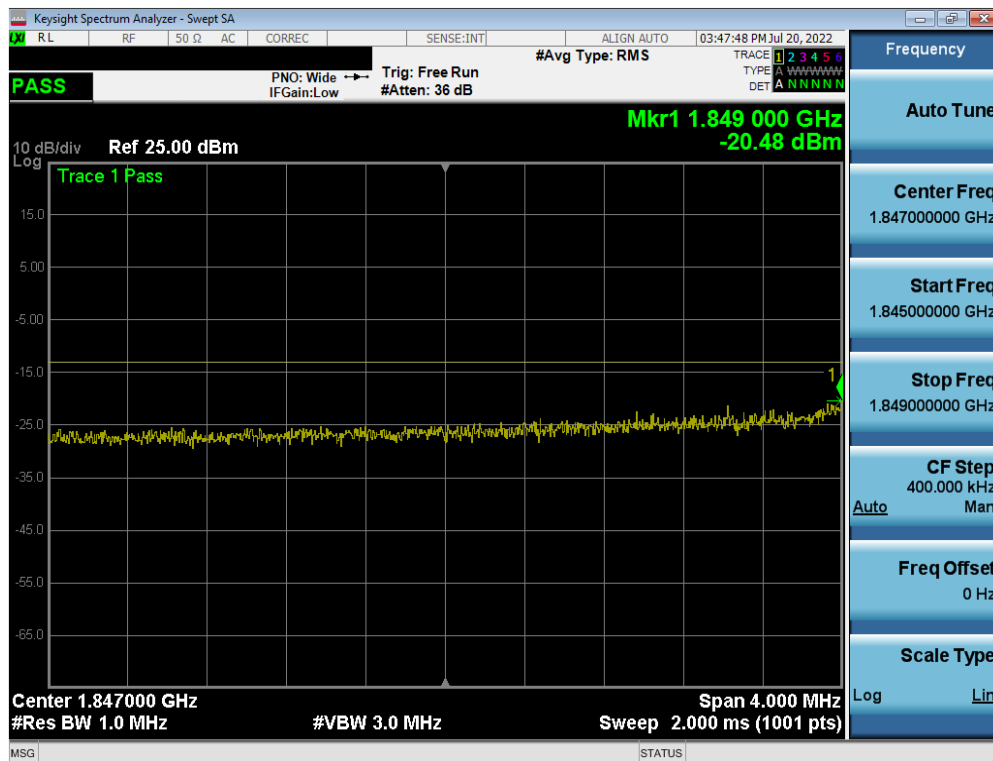
Plot 7-123. Extended Upper Band Edge Plot (LTE Band 2 – 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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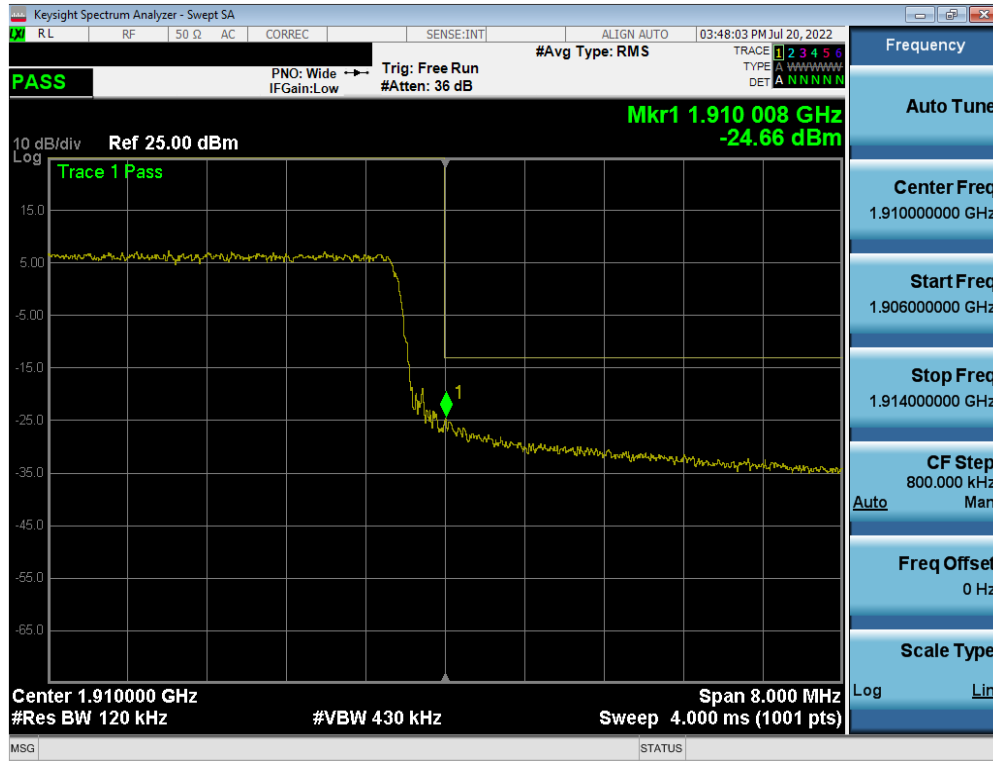


Plot 7-124. Lower Band Edge Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

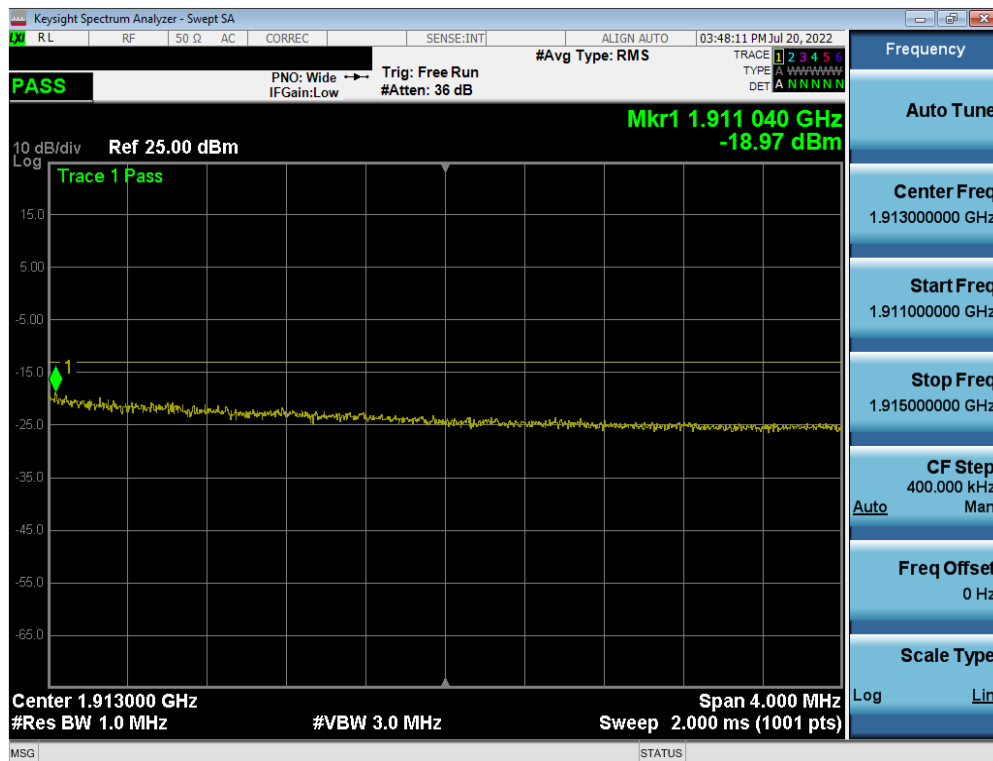


Plot 7-125. Extended Lower Band Edge Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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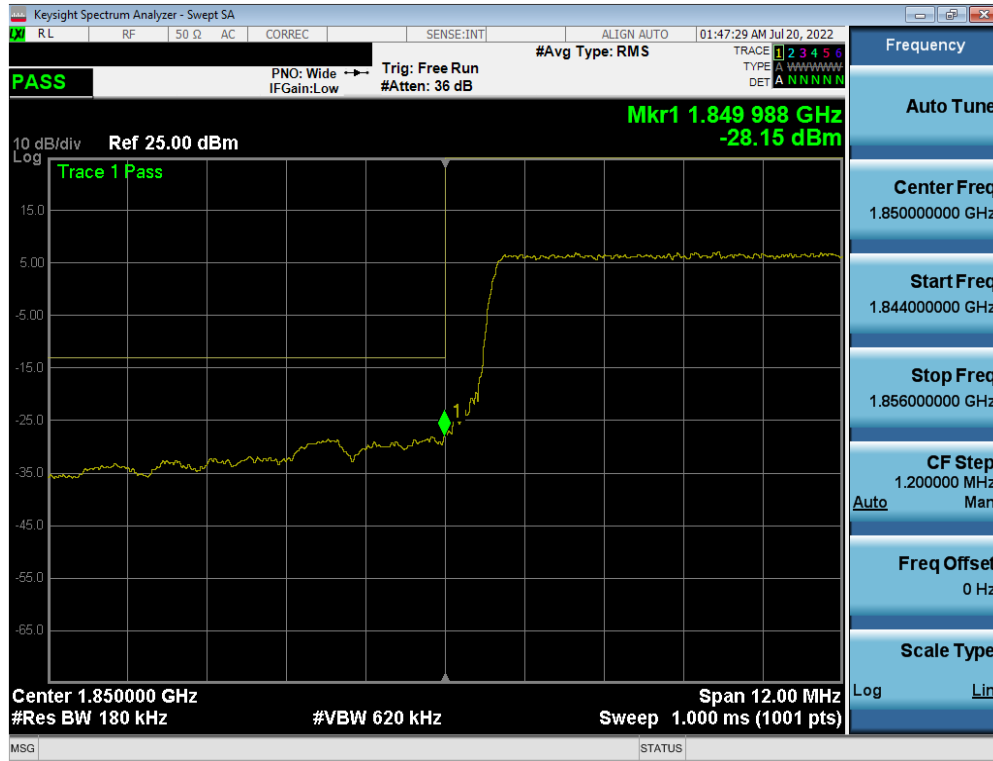


Plot 7-126. Upper Band Edge Plot (LTE Band 2 – 10MHz QPSK – Full RB Configuration)

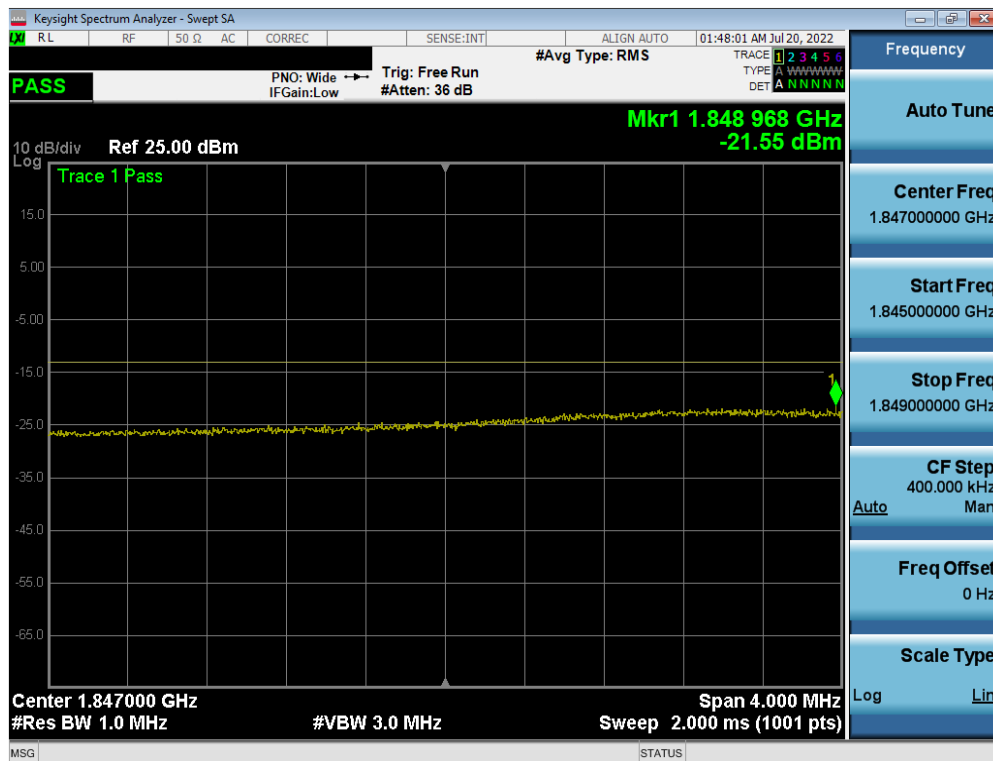


Plot 7-127. Extended Upper Band Edge Plot (LTE Band 2 – 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-128. Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

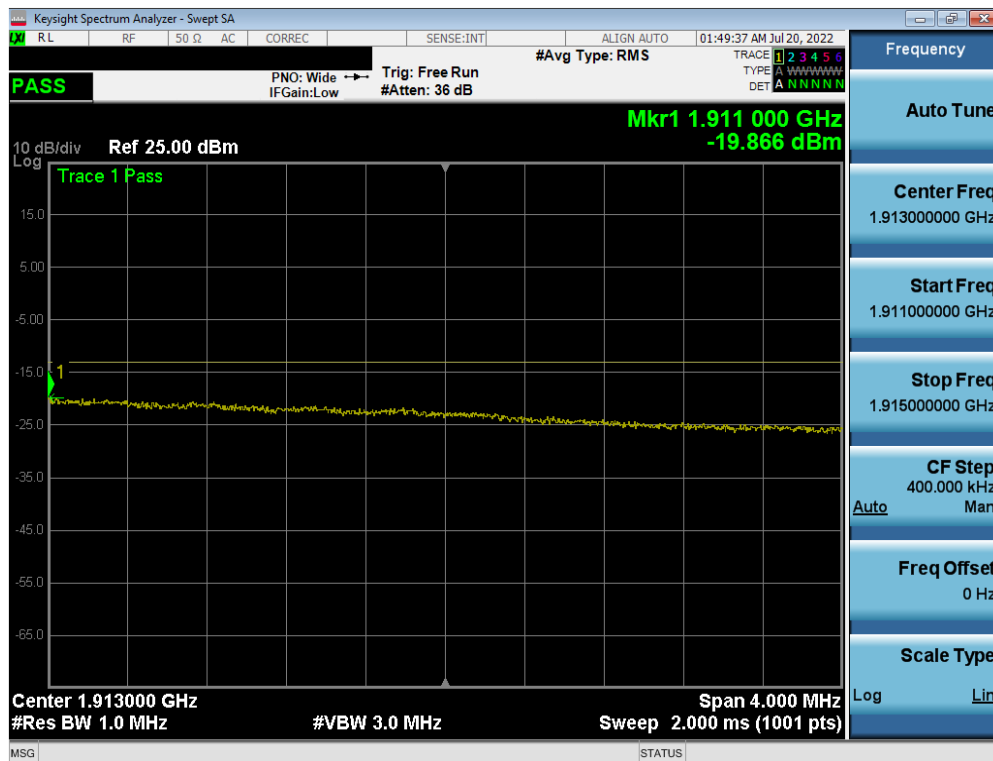


Plot 7-129. Extended Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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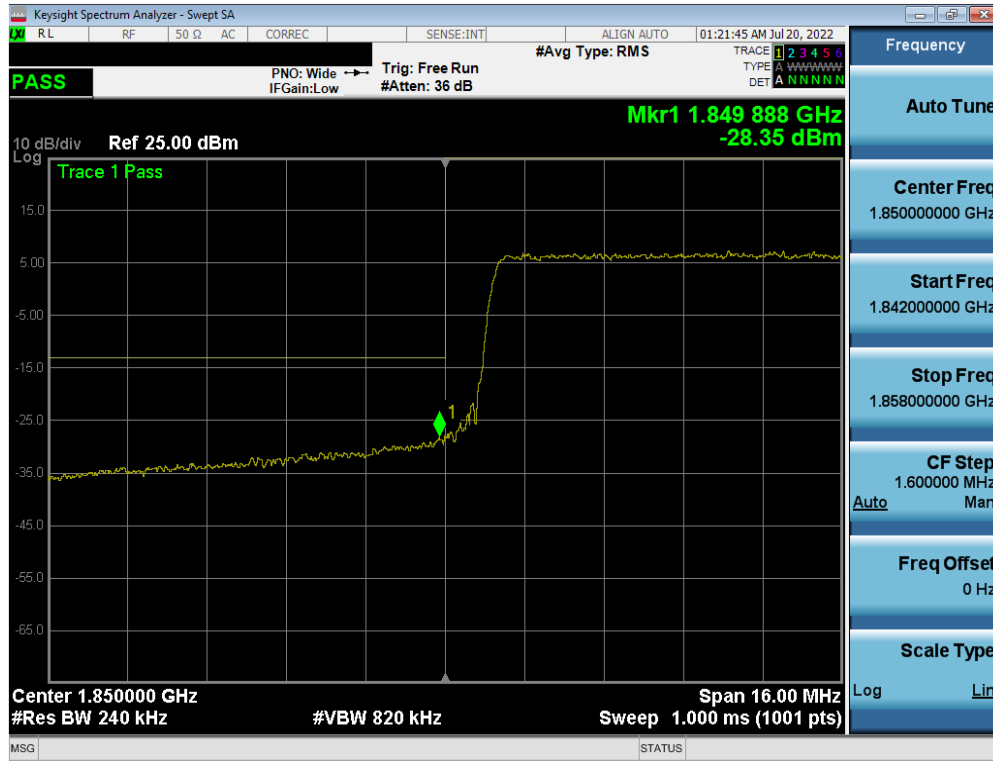


Plot 7-130. Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

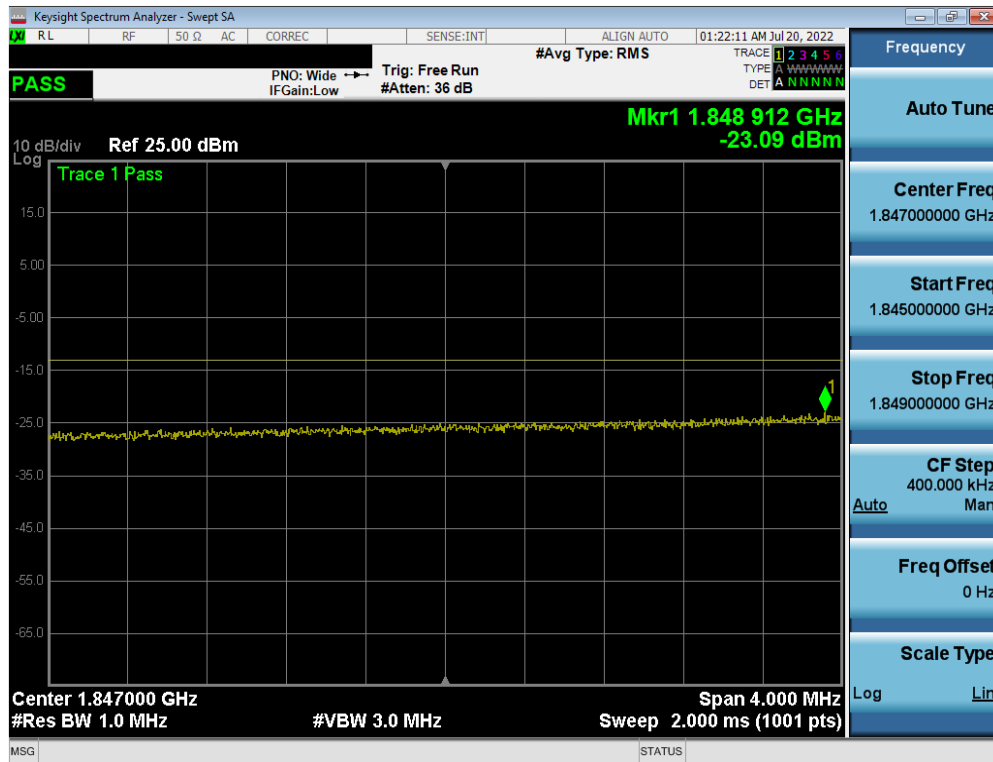


Plot 7-131. Extended Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-132. Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

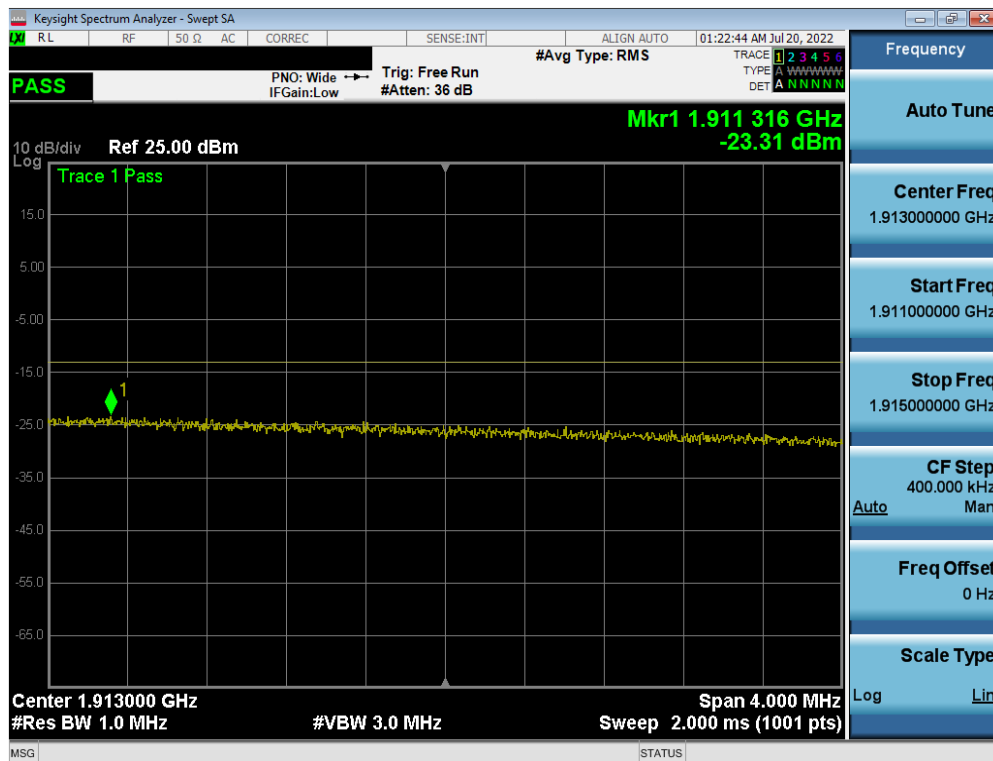


Plot 7-133. Extended Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-134. Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

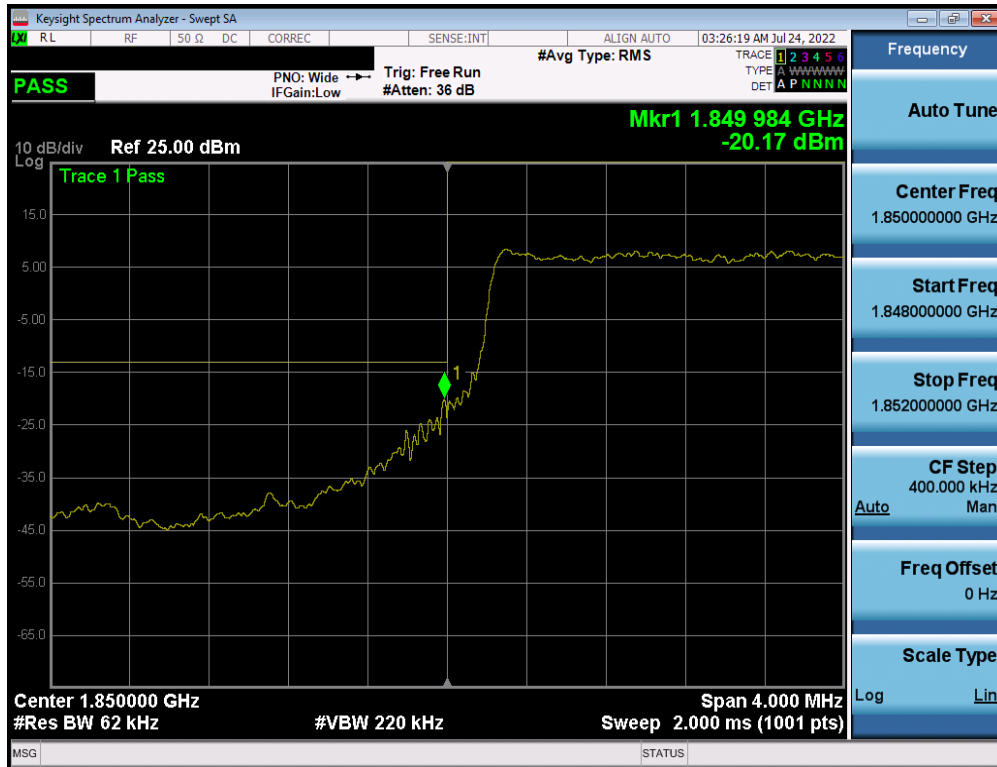


Plot 7-135. Extended Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

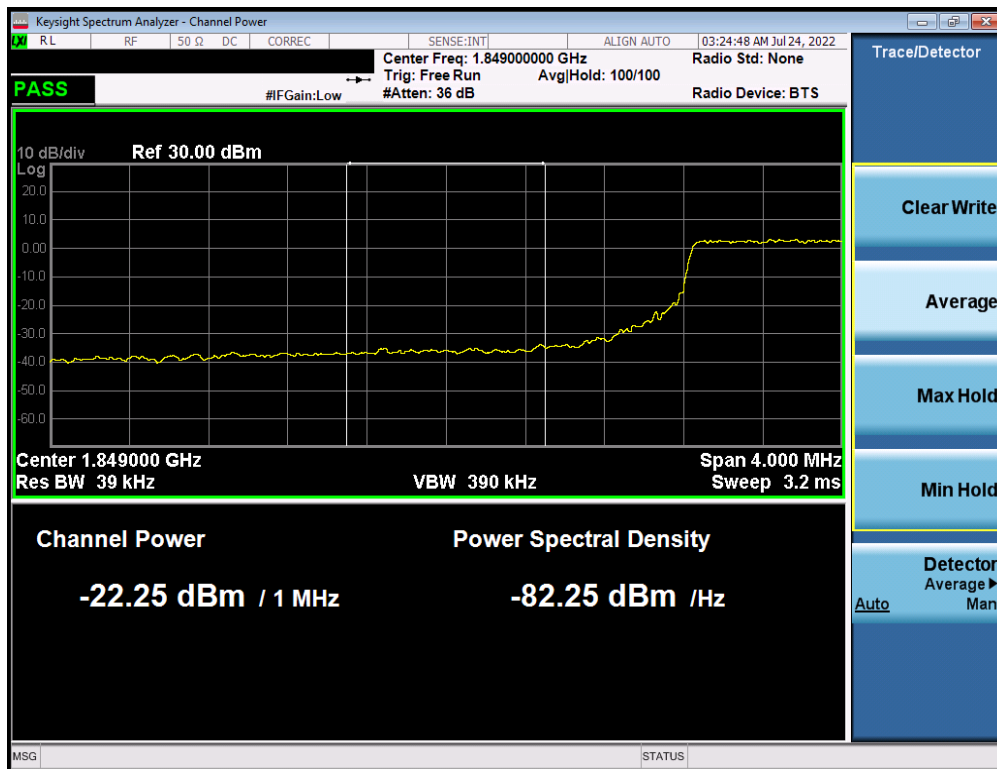
FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-136. Lower Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

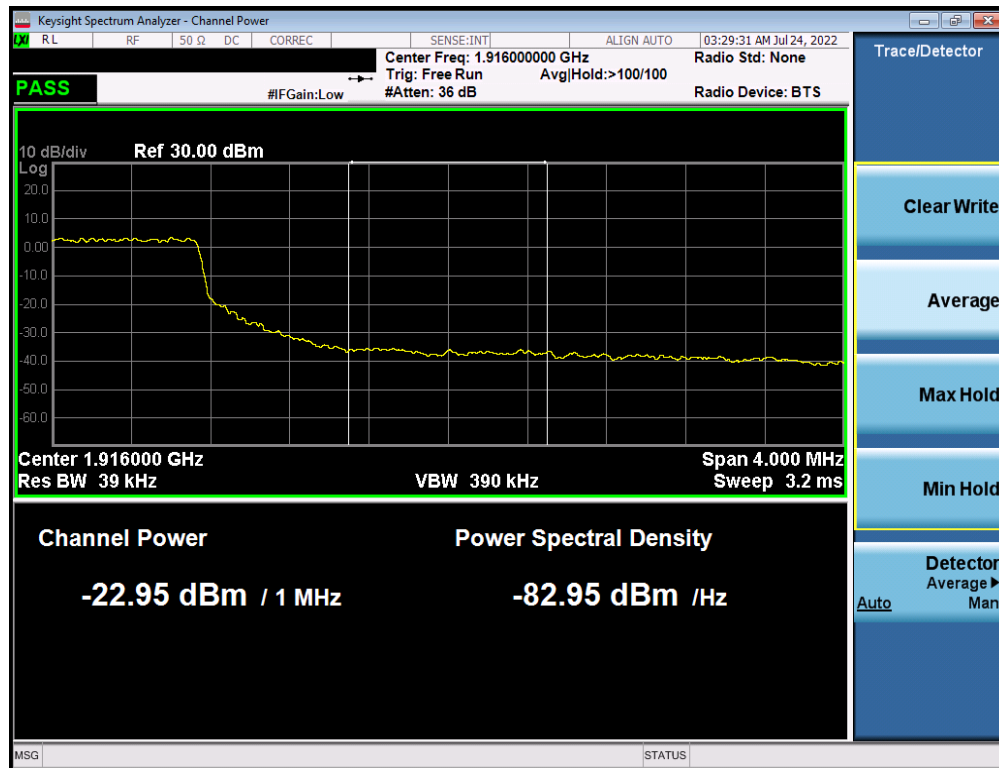


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Plot 7-137. Extended Lower Band Edge Plot (NR Band n25 – 5MHz CP-OFDM QPSK – Full RB Configuration)



Plot 7-138. Upper Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

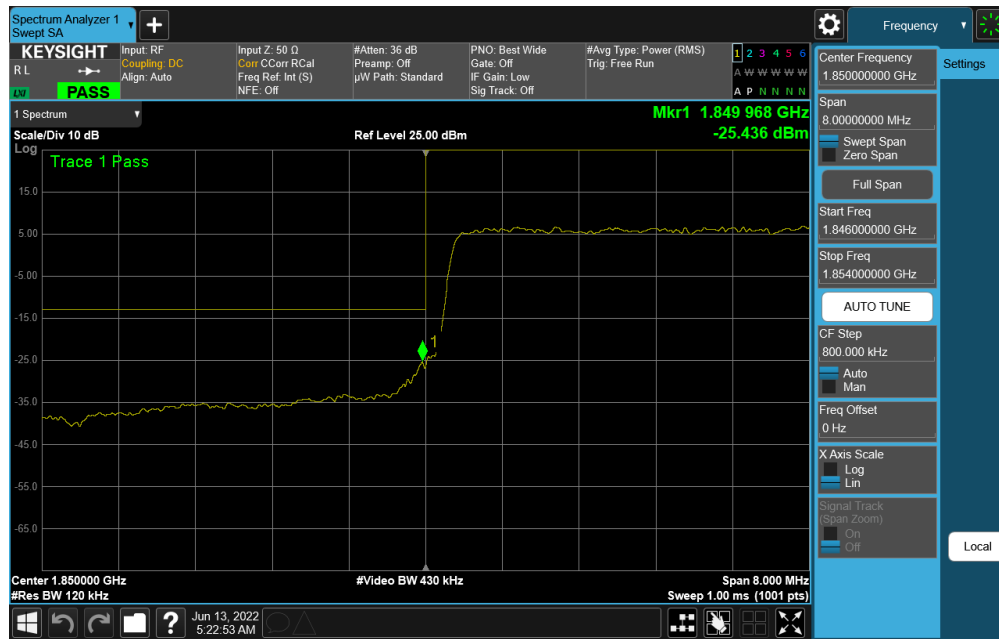


Plot 7-139. Extended Upper Band Edge Plot (NR Band n25 – 5MHz CP-OFDM QPSK – Full RB Configuration)

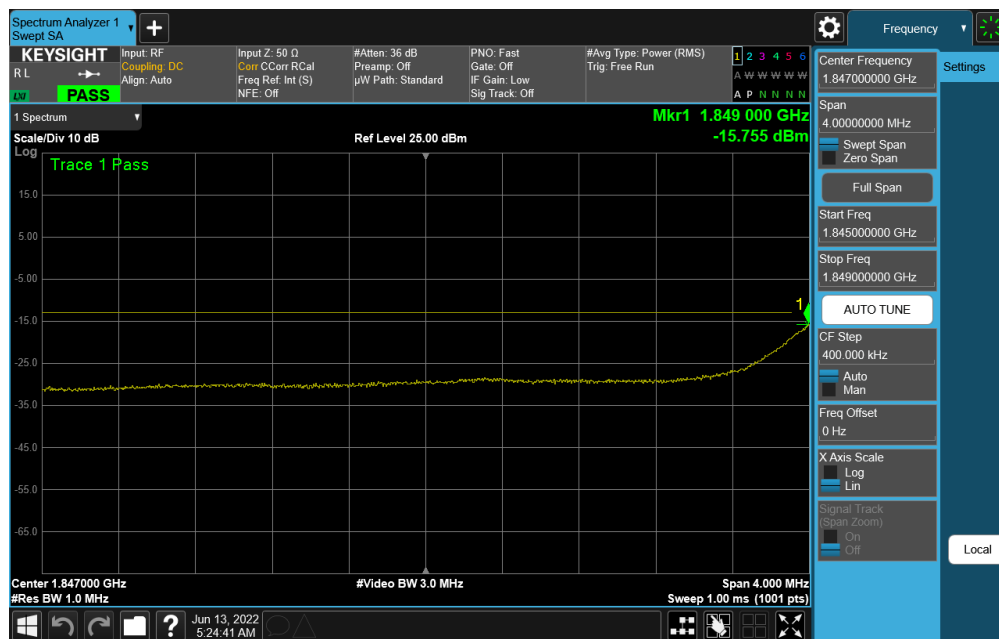
FCC ID: BCGA2435		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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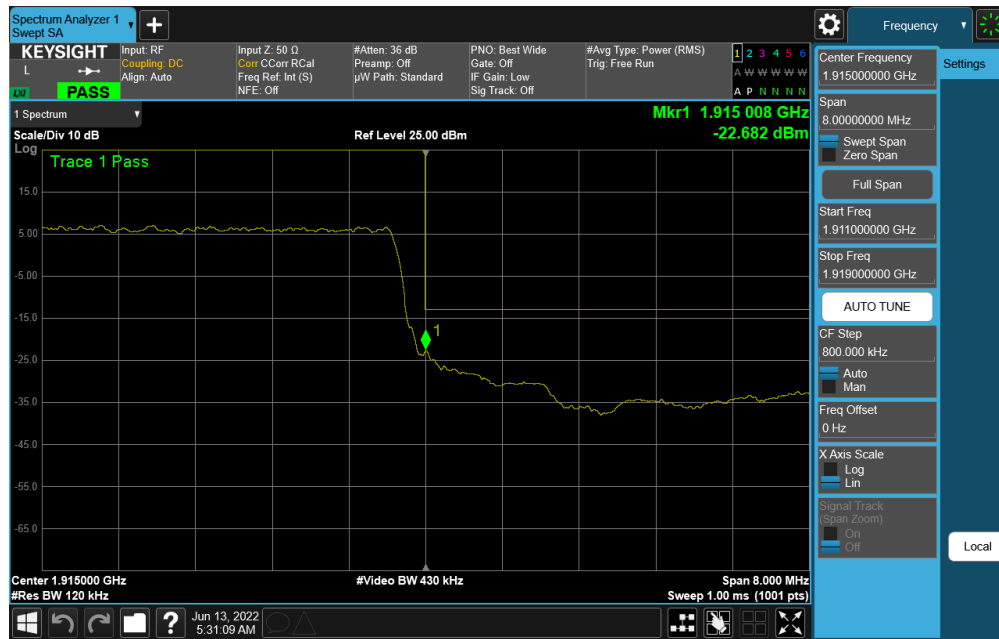


Plot 7-140. Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM QPSK – Full RB Configuration)

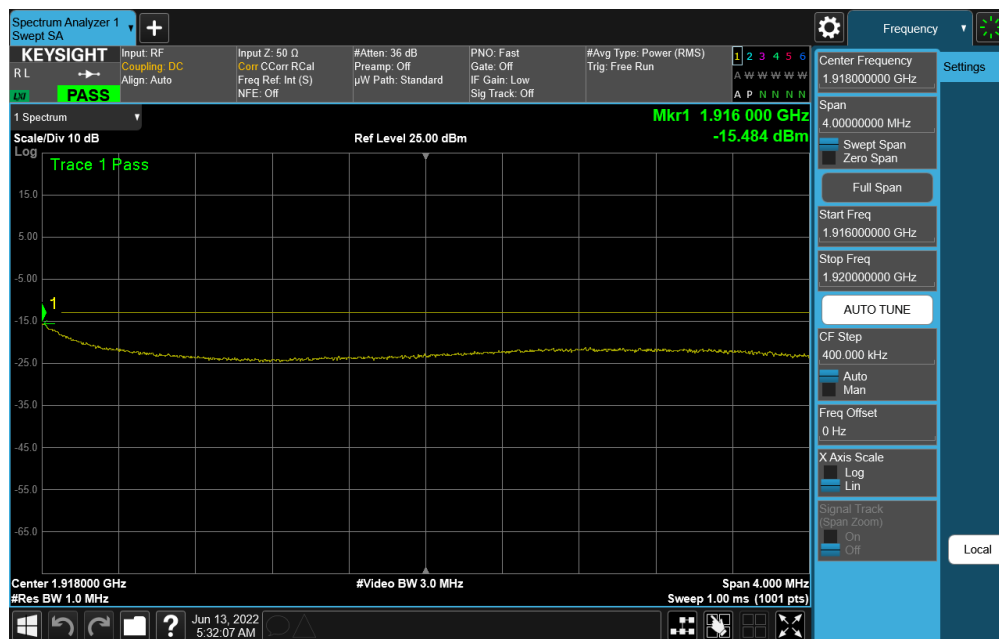


Plot 7-141. Extended Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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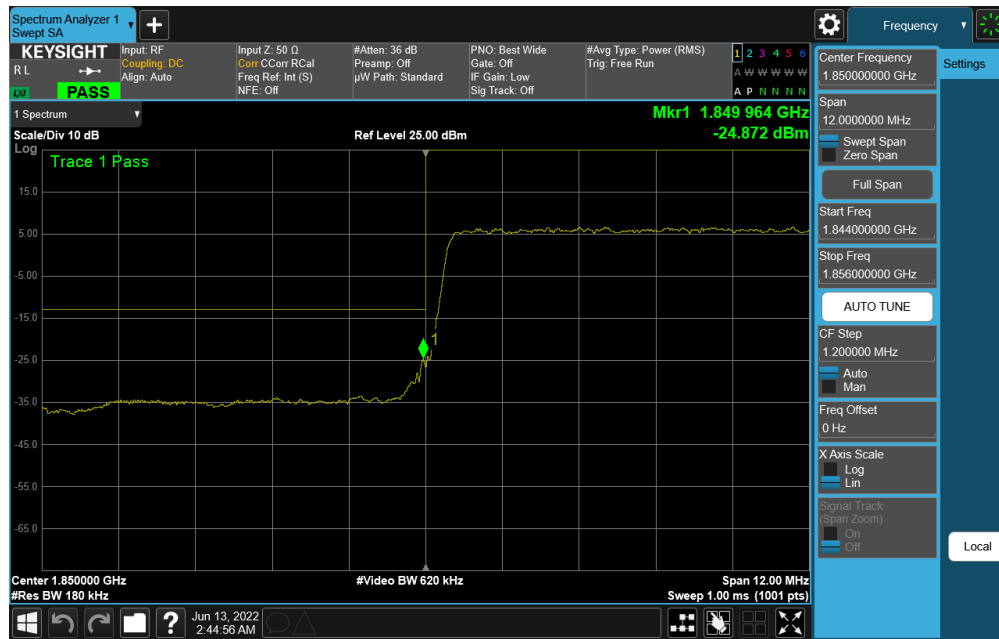


Plot 7-142. Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

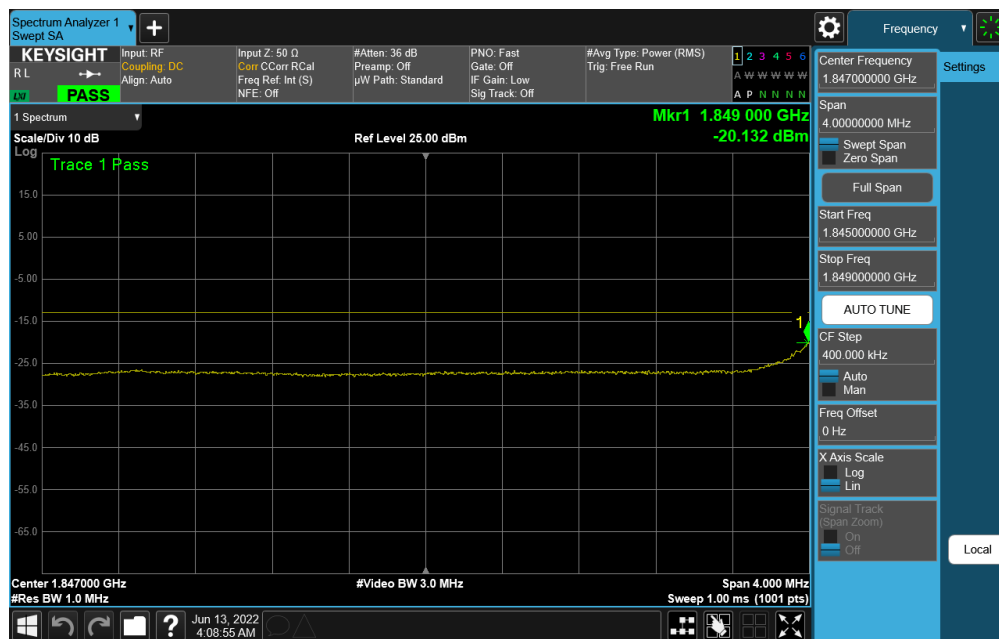


Plot 7-143. Extended Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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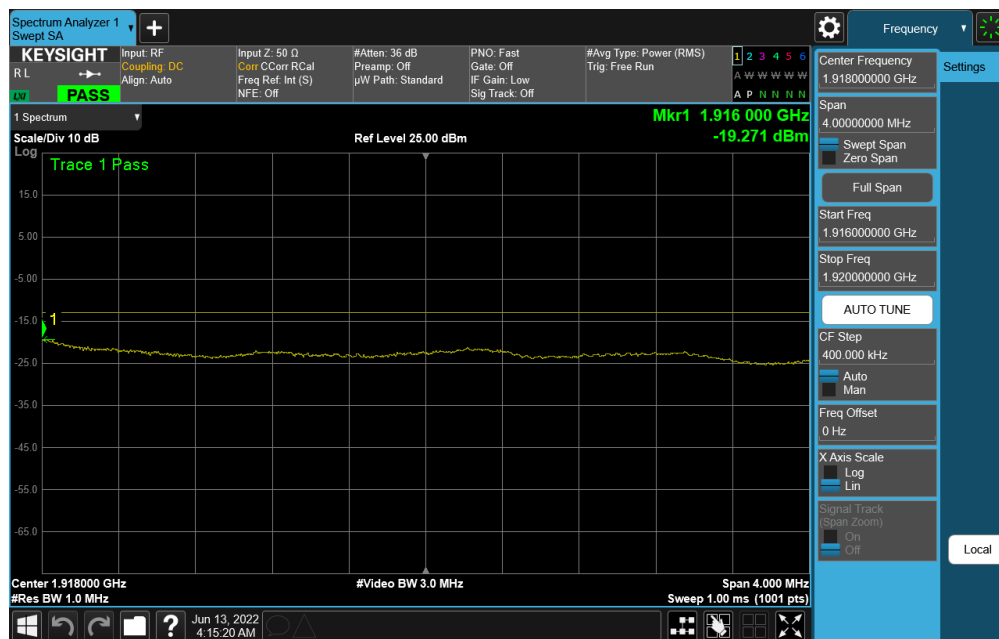
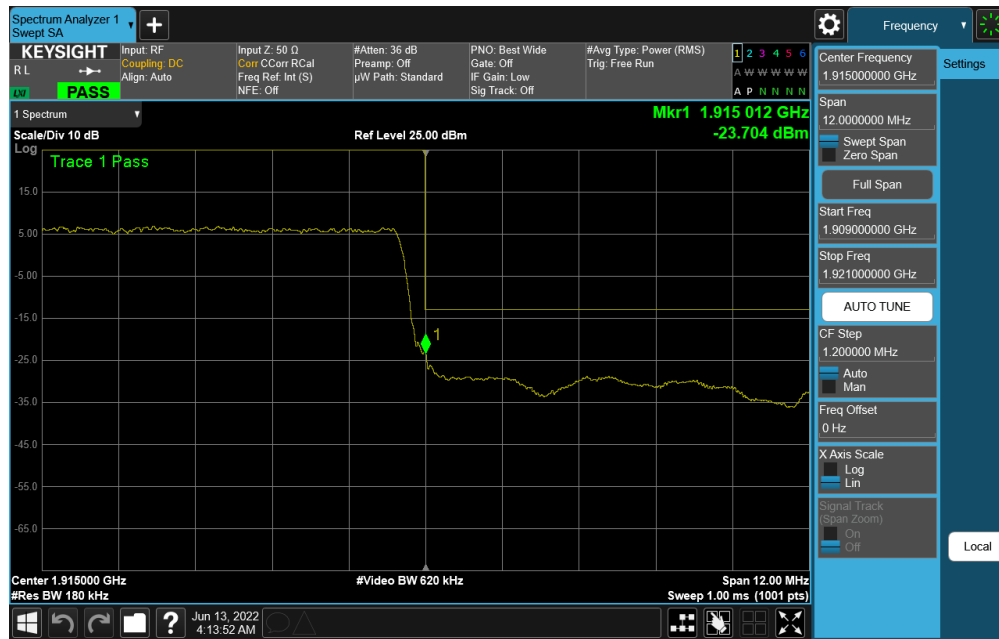


Plot 7-144. Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)

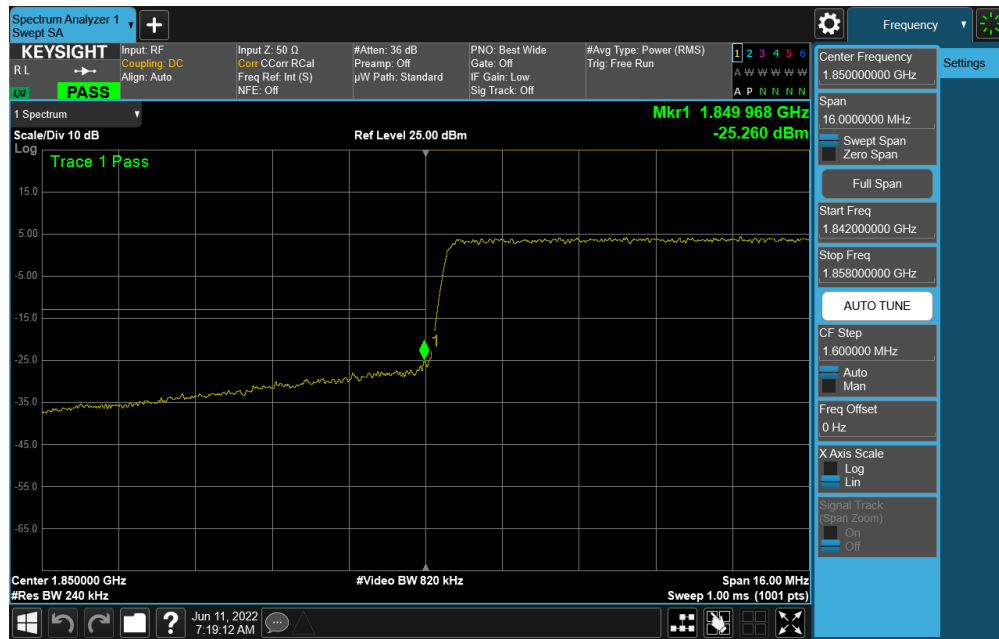


Plot 7-145. Extended Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM QPSK – Full RB Configuration)

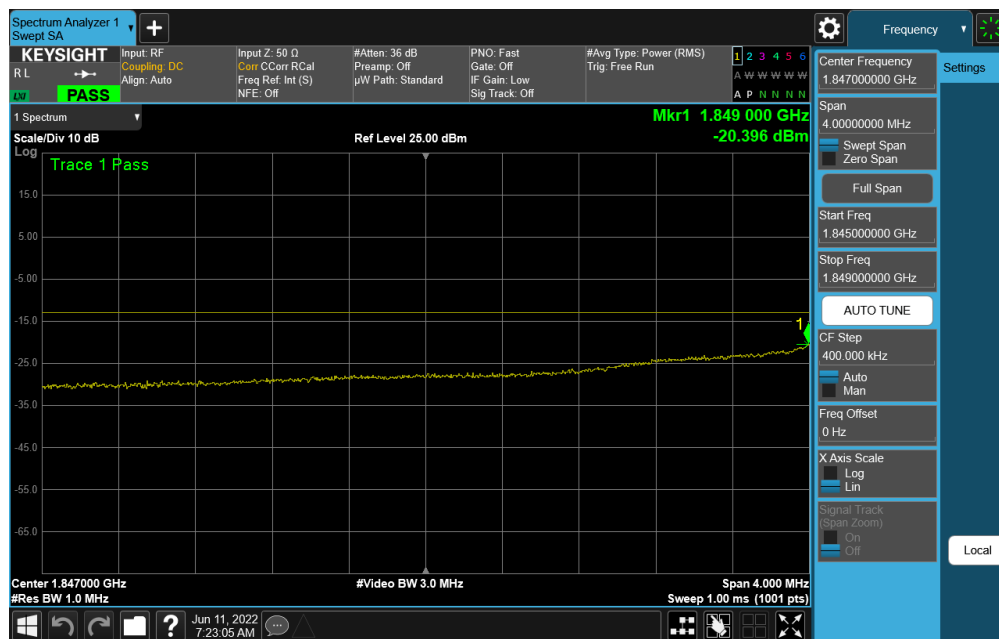
FCC ID: BCGA2435	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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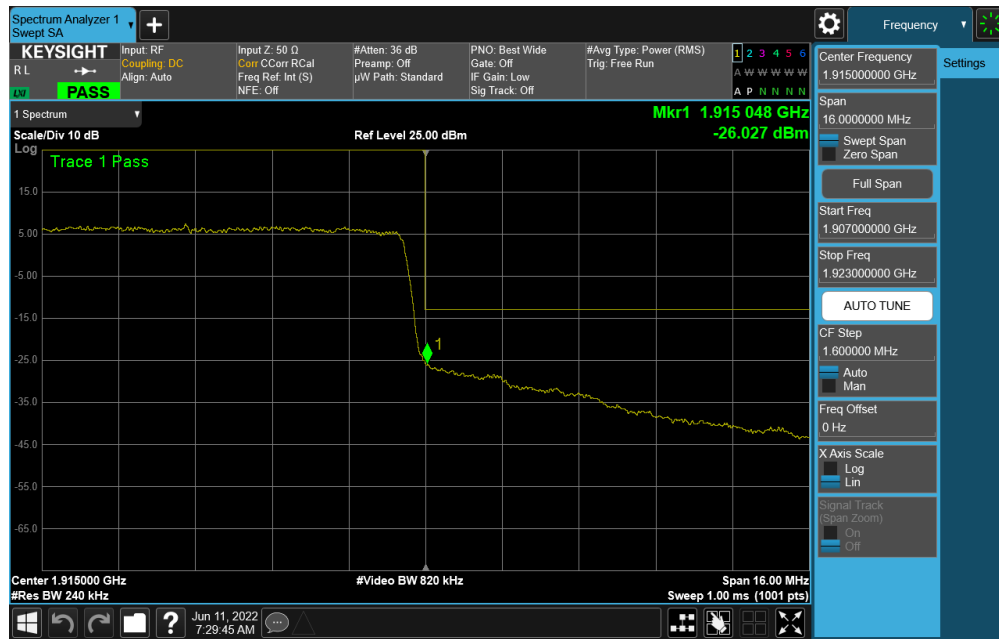


Plot 7-148. Lower Band Edge Plot (NR Band n25 – 20MHz CP-OFDM QPSK – Full RB Configuration)

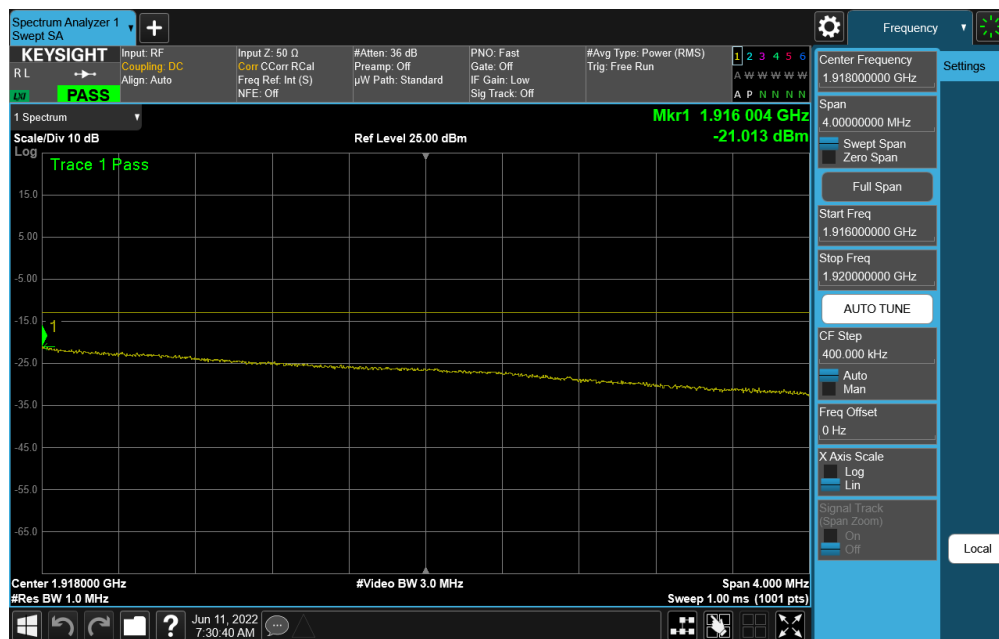


Plot 7-149. Extended Lower Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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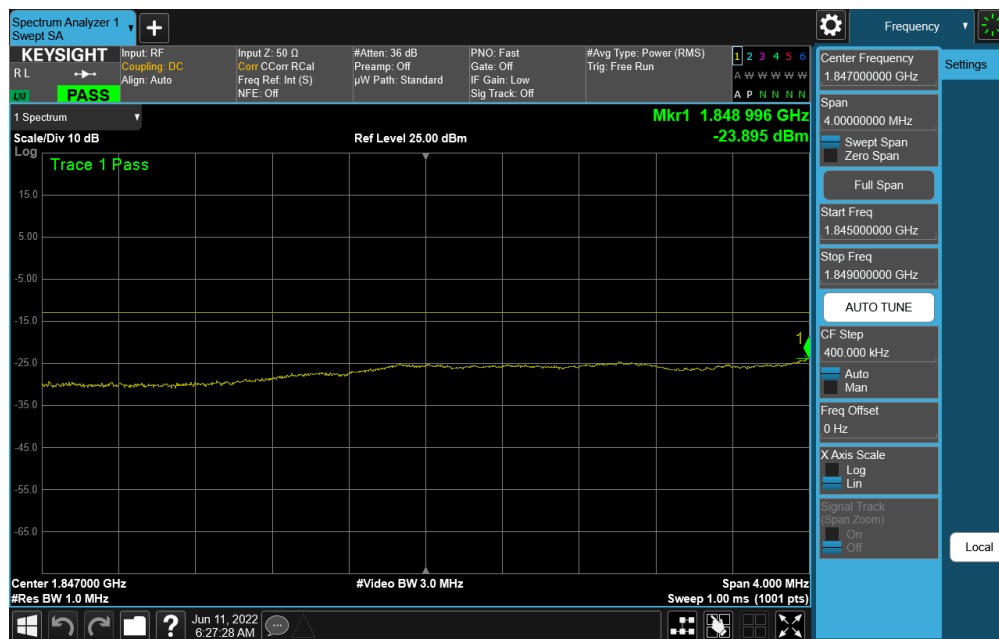
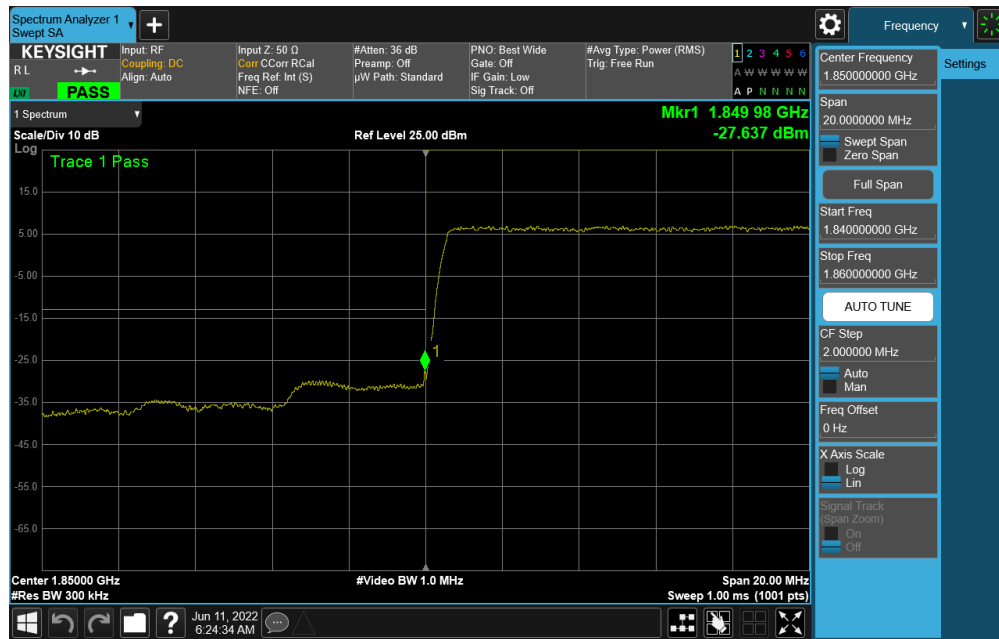


Plot 7-150. Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

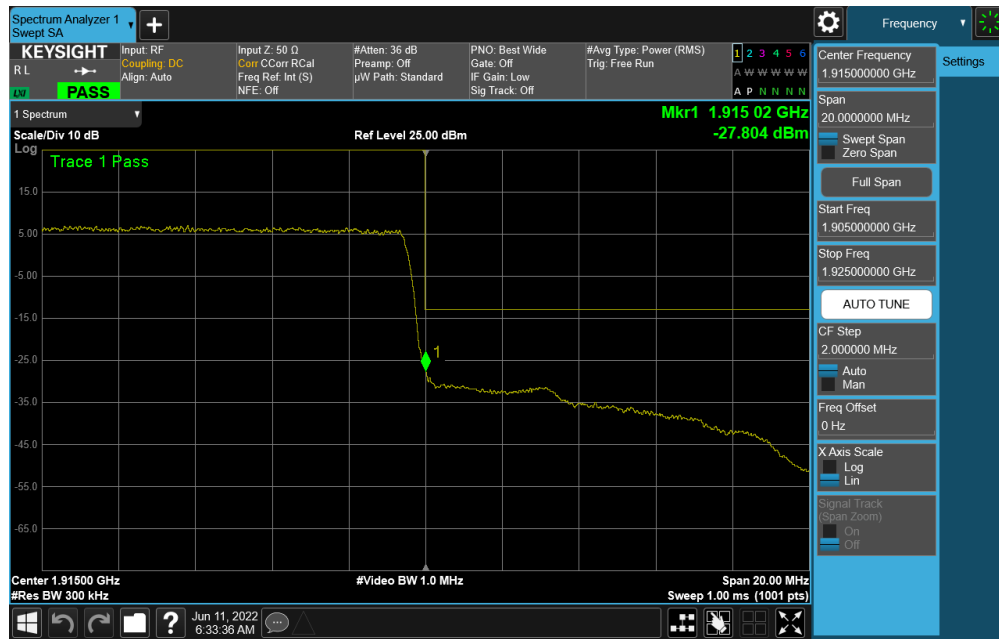


Plot 7-151. Extended Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

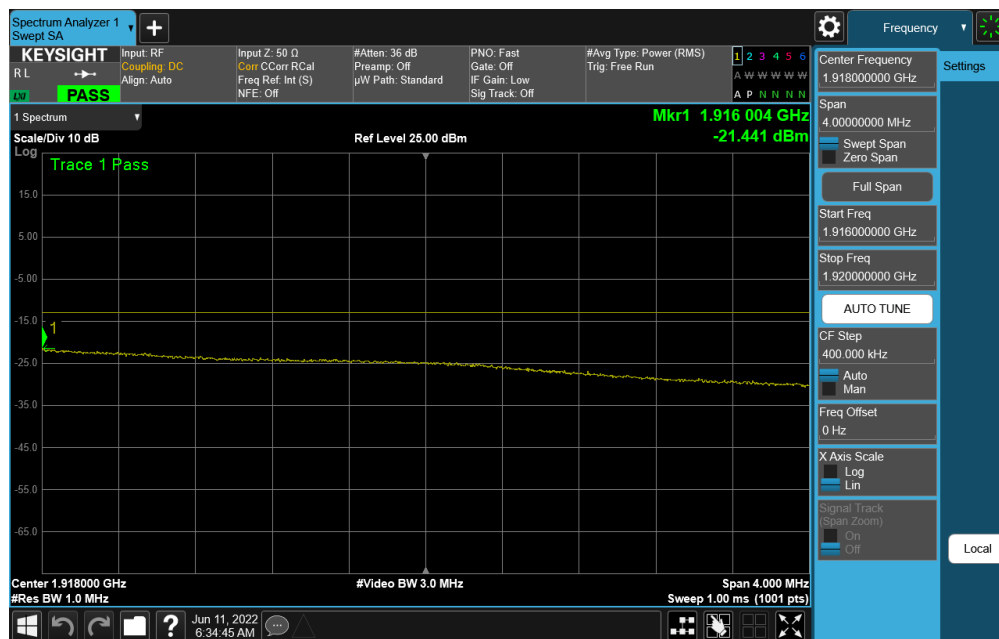
FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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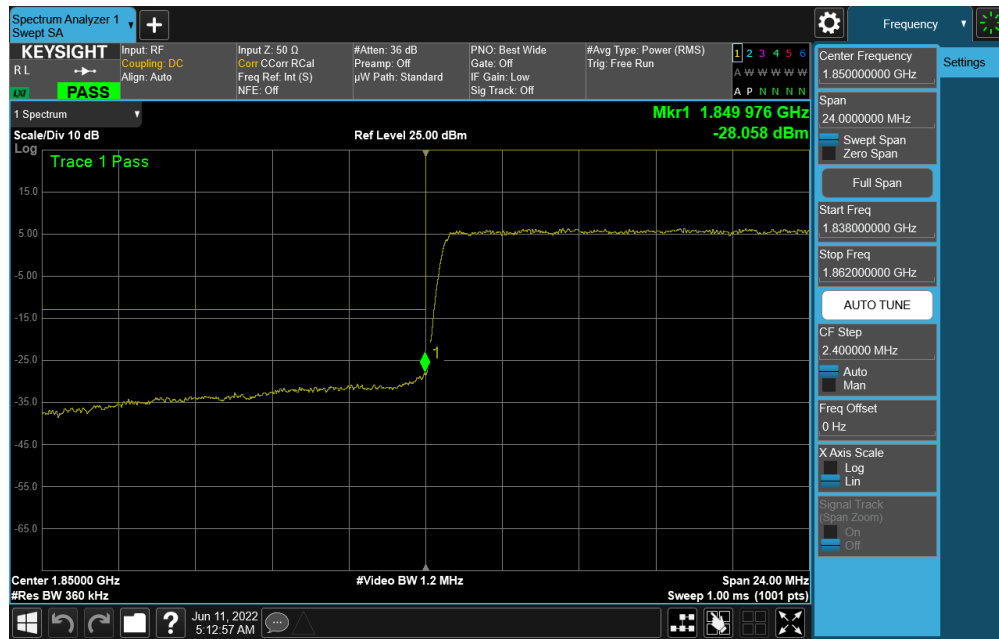


Plot 7-154. Upper Band Edge Plot (NR Band n25 – 25MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

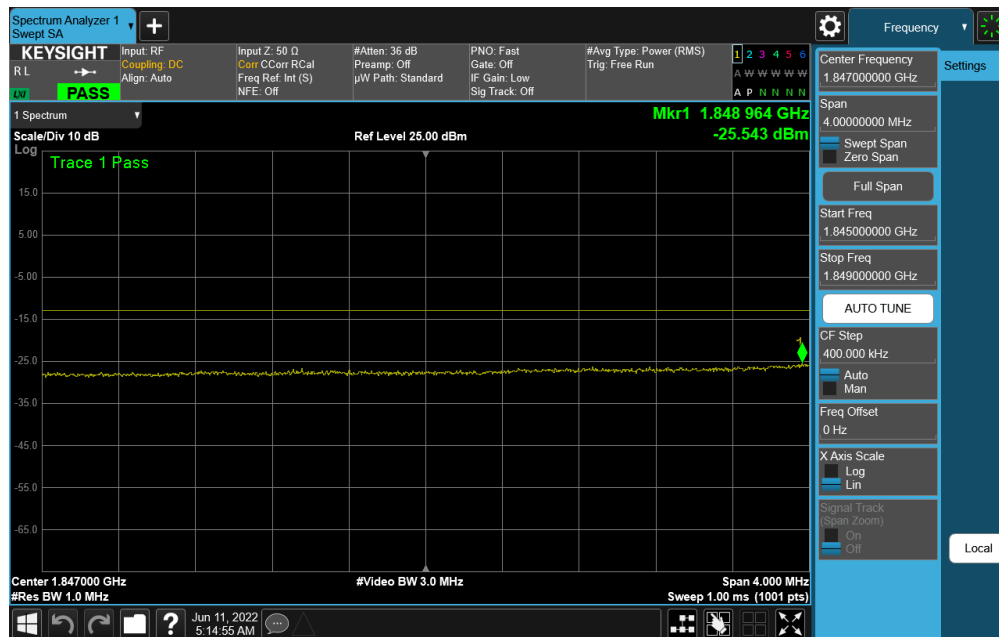


Plot 7-155. Extended Upper Band Edge Plot (NR Band n25 – 25MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-156. Lower Band Edge Plot (NR Band n25 – 30MHz DFT-s-OFDM QPSK – Full RB Configuration)

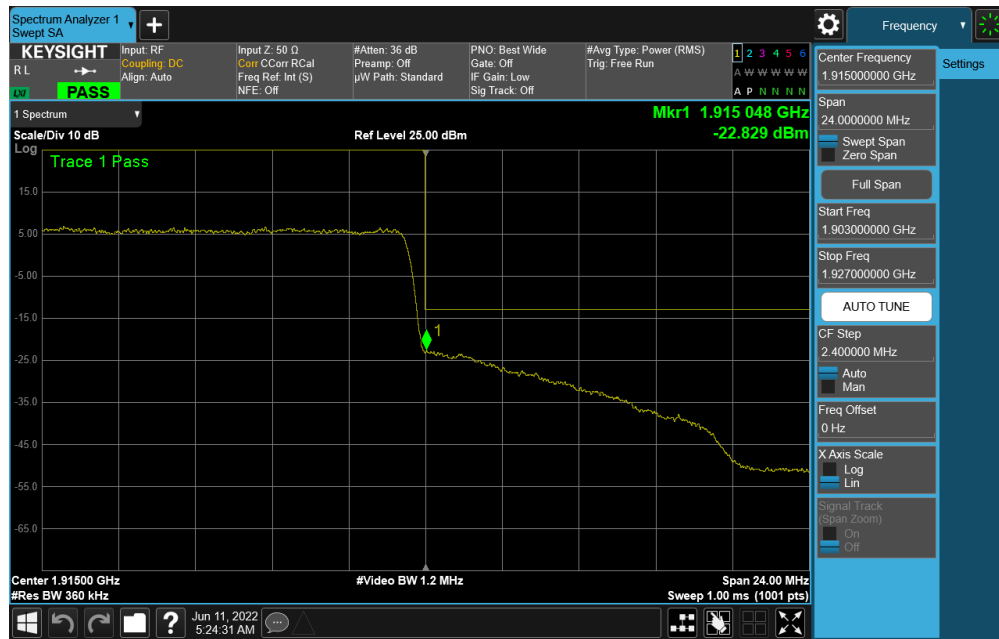


Plot 7-157. Extended Lower Band Edge Plot (NR Band n25 – 30MHz DFT-s-OFDM QPSK – Full RB Configuration)

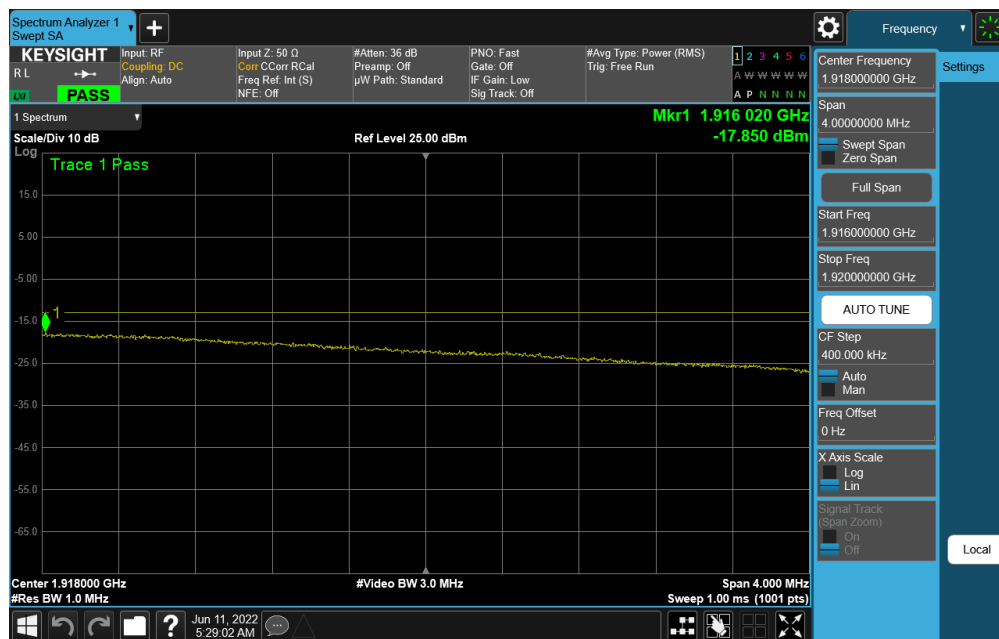
FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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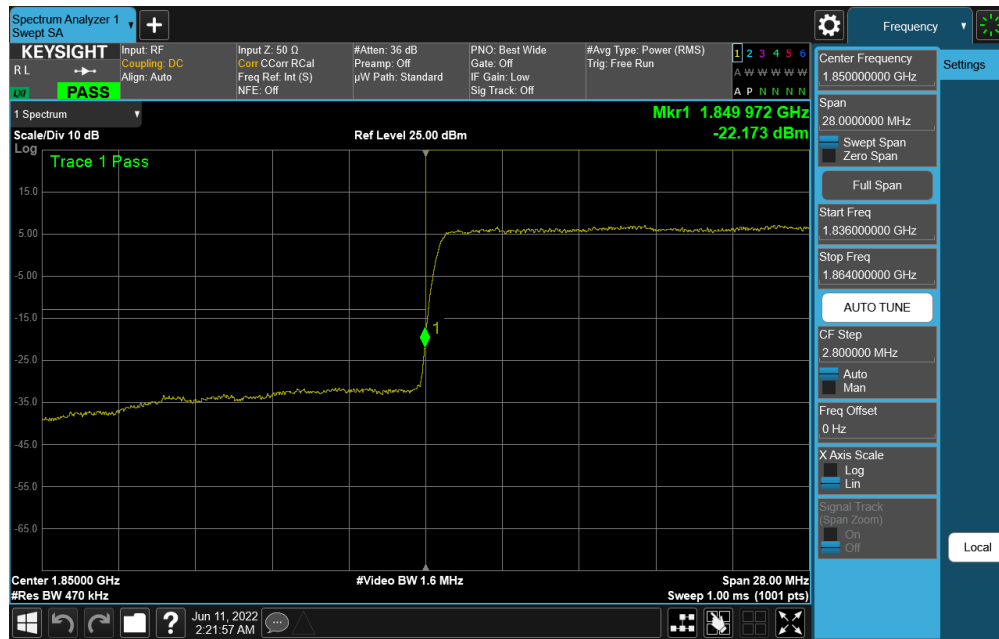


Plot 7-158. Upper Band Edge Plot (NR Band n25 – 30MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

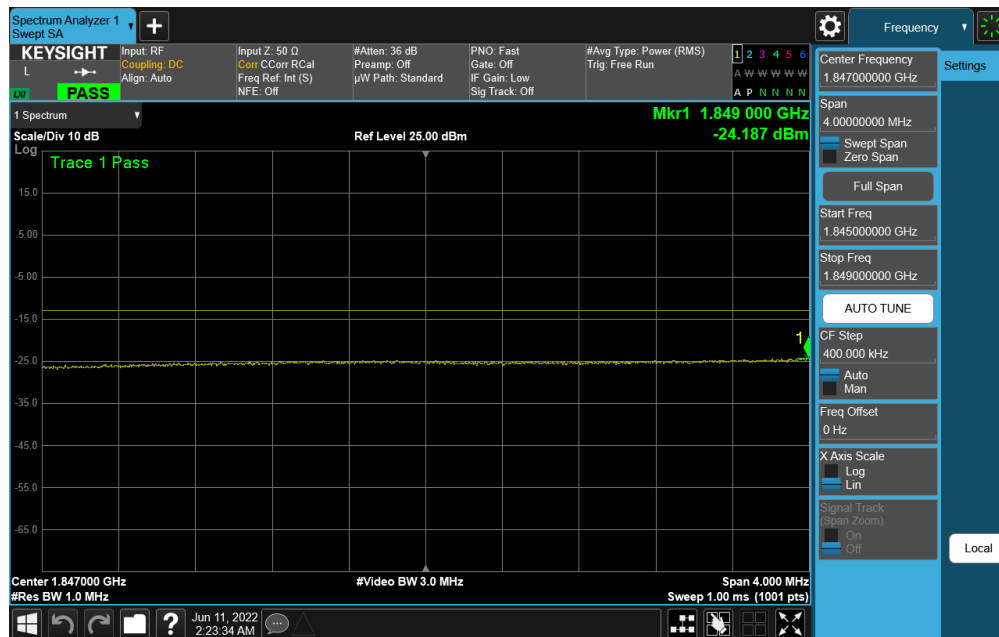


Plot 7-159. Extended Upper Band Edge Plot (NR Band n25 – 30MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	element	PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-160. Lower Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

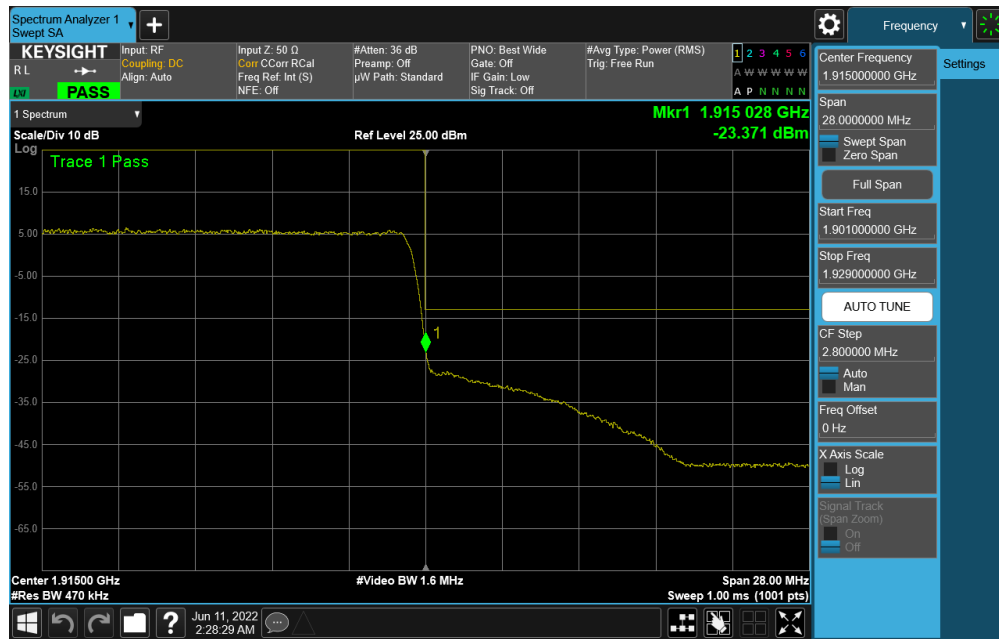


Plot 7-161. Extended Lower Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM QPSK – Full RB Configuration)

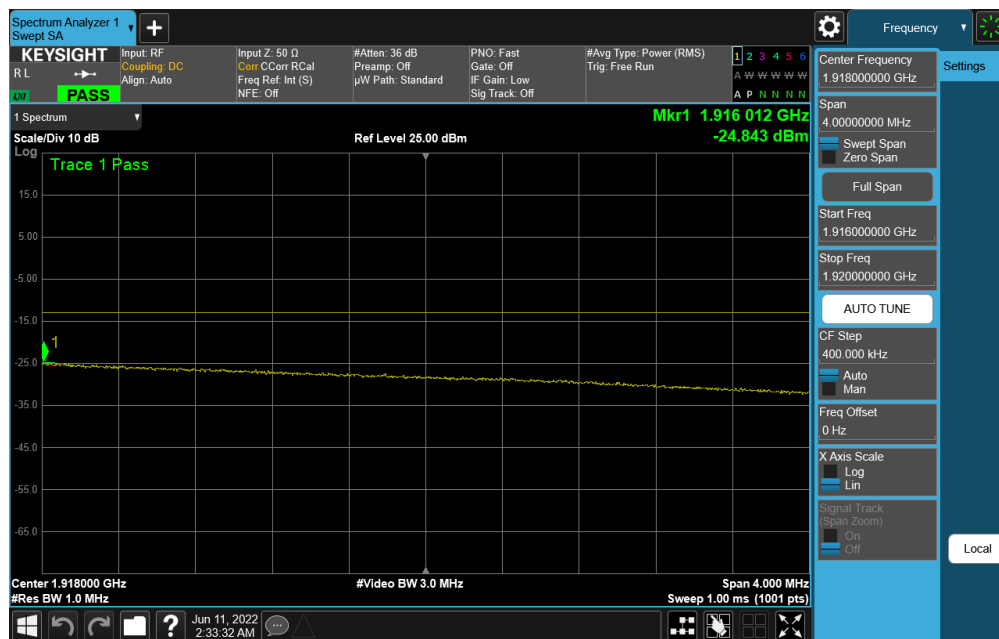
FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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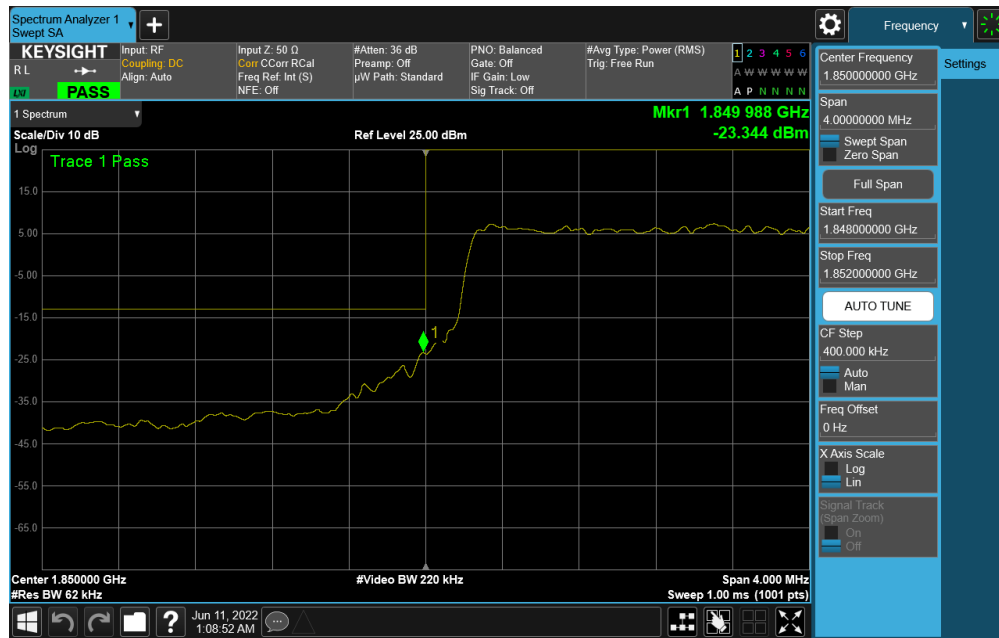
Plot 7-162. Upper Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



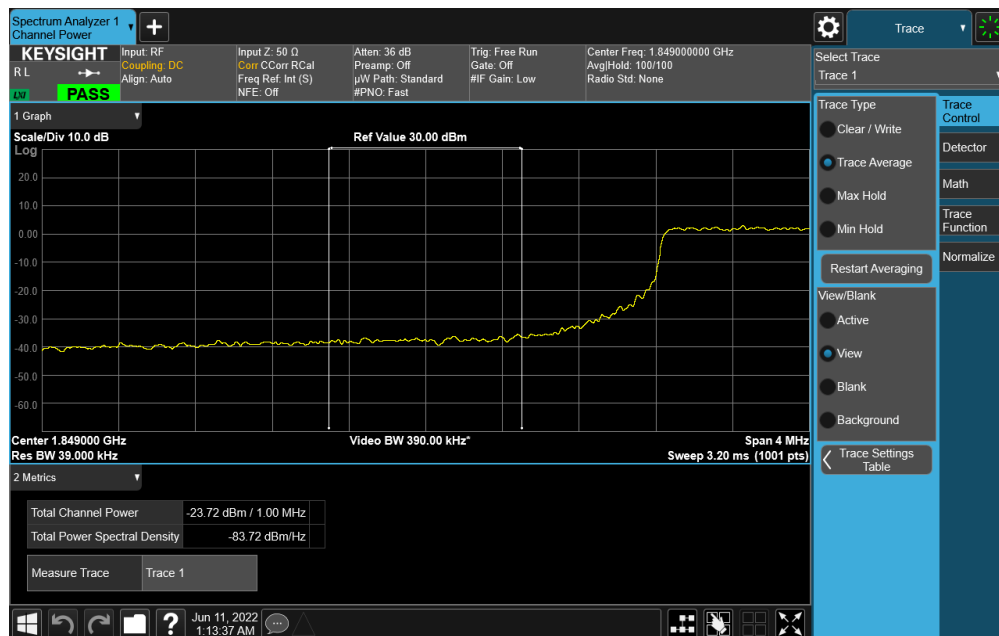
Plot 7-163. Extended Upper Band Edge Plot (NR Band n25 – 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2435	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n2



Plot 7-164. Lower Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM QPSK – Full RB Configuration)

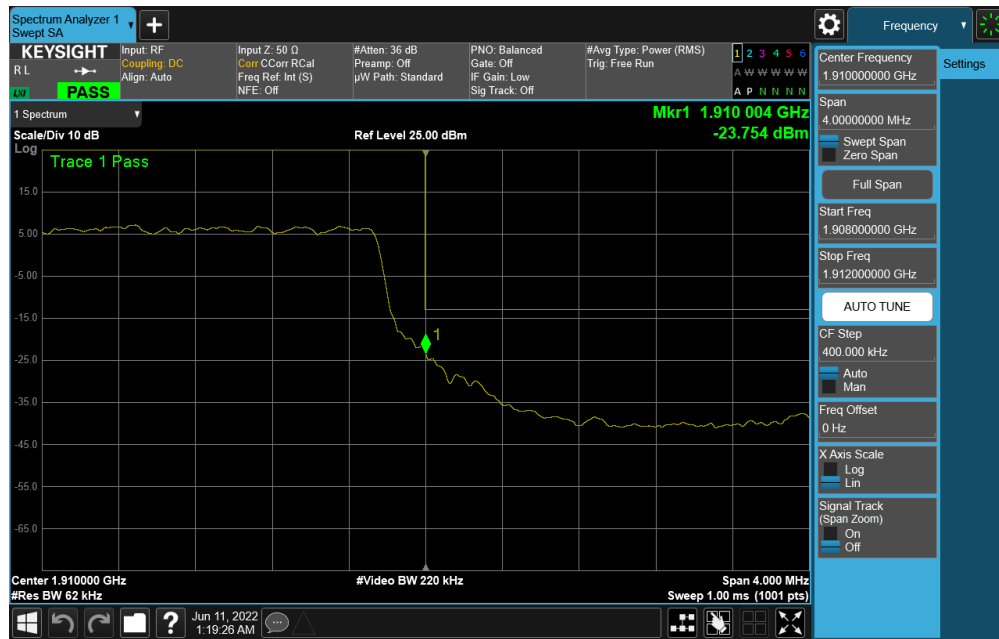


Plot 7-165. Extended Lower Band Edge Plot (NR Band n2 – 5MHz CP-OFDM QPSK – Full RB Configuration)

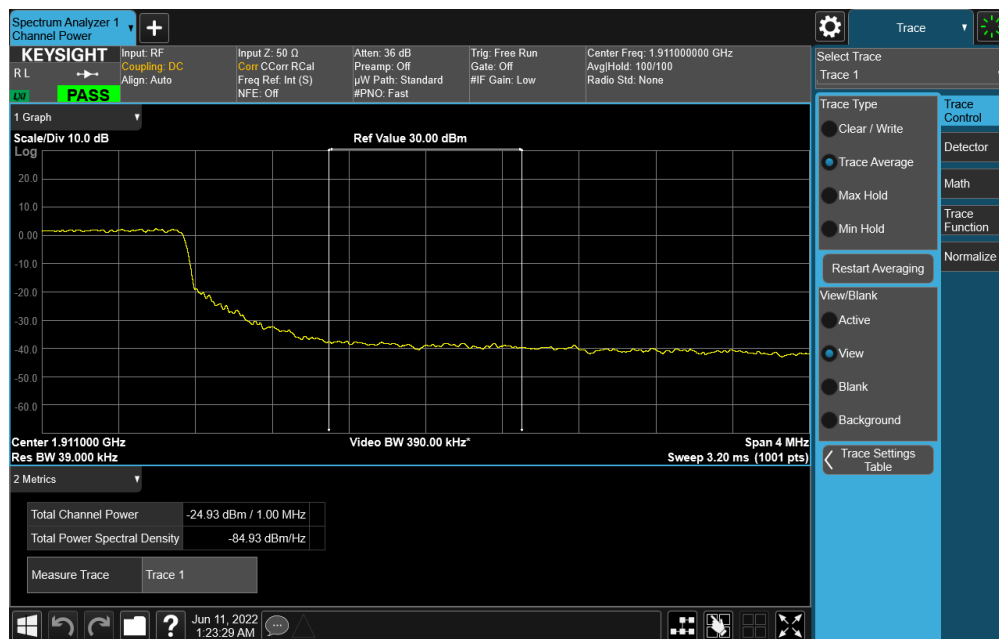
FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-166. Upper Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



Plot 7-167. Extended Upper Band Edge Plot (NR Band n2 – 5MHz CP-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA2435	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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