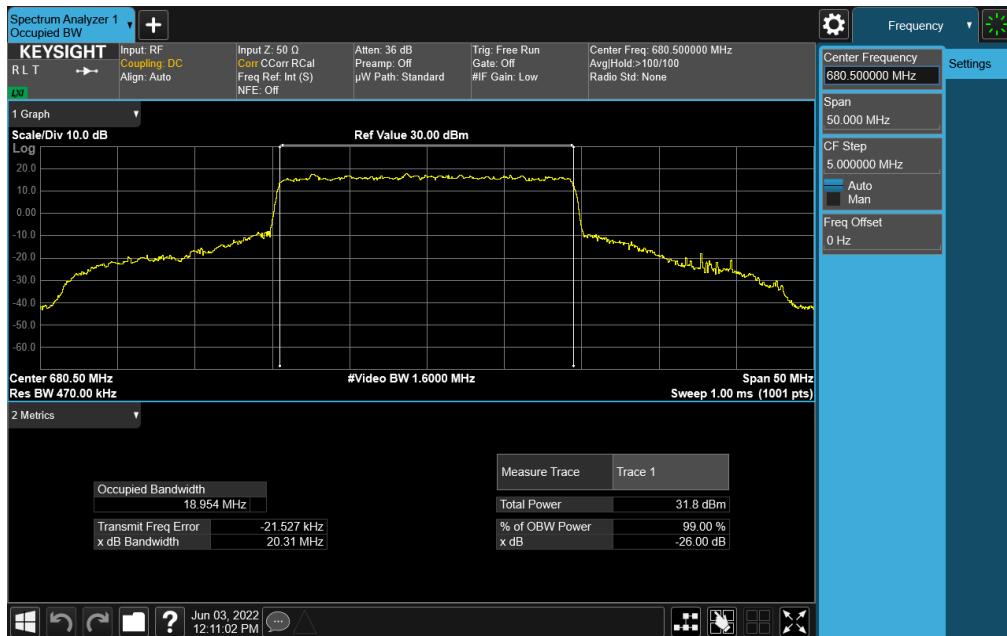
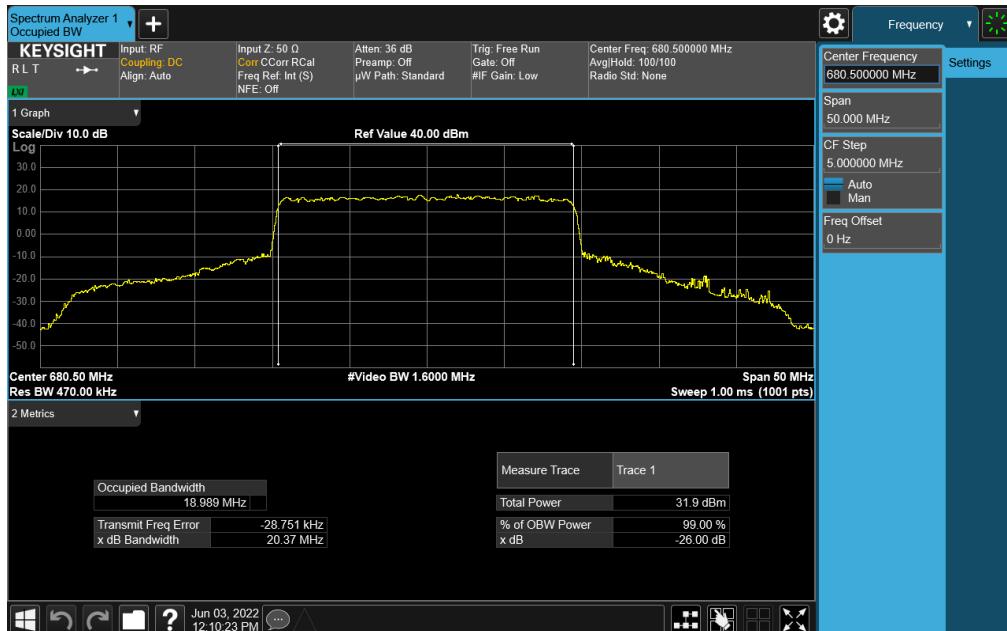


FCC ID: BCGA2757	e element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 72 of 315	

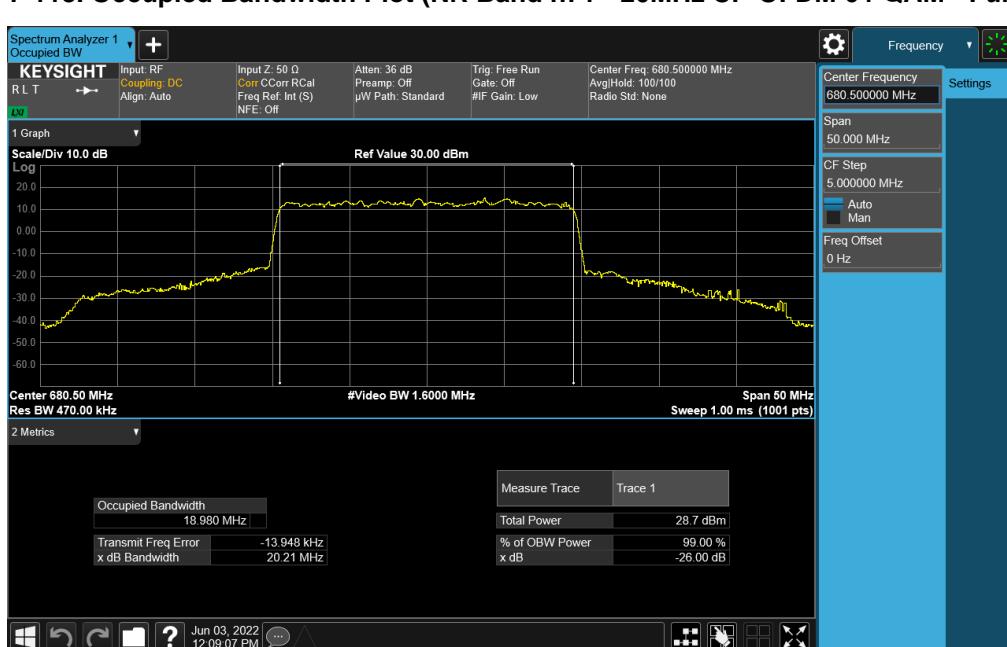
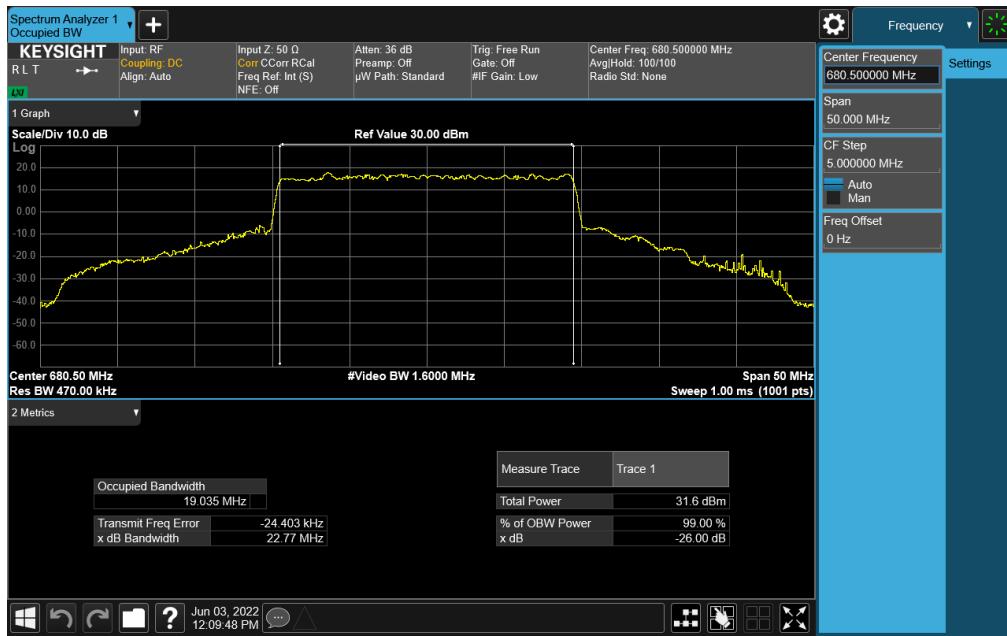


Plot 7-111. Occupied Bandwidth Plot (NR Band n71 - 20MHz CP-OFDM QPSK - Full RB)



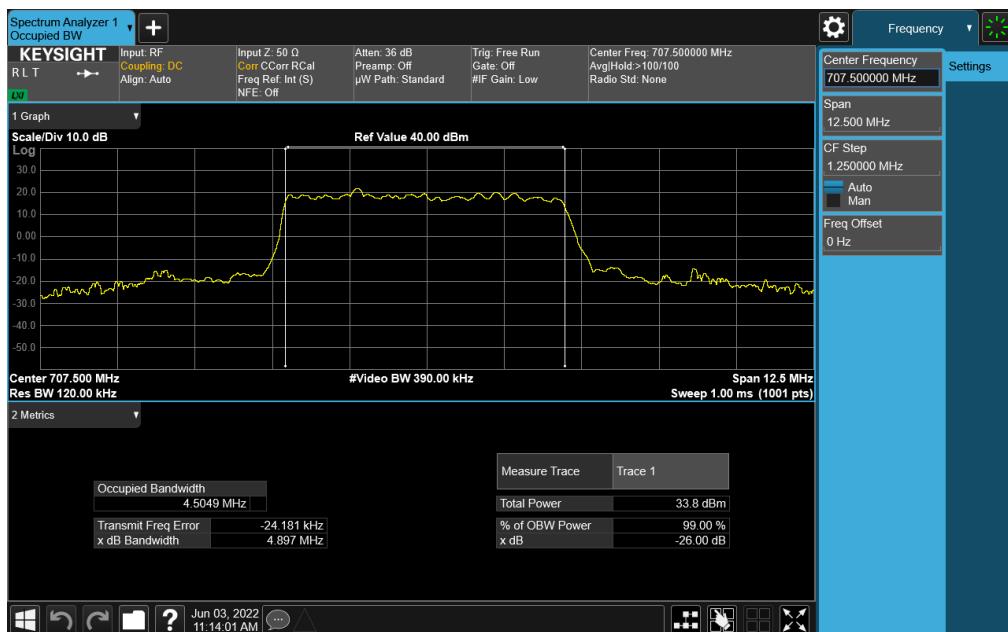
Plot 7-112. Occupied Bandwidth Plot (NR Band n71 - 20MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 73 of 315

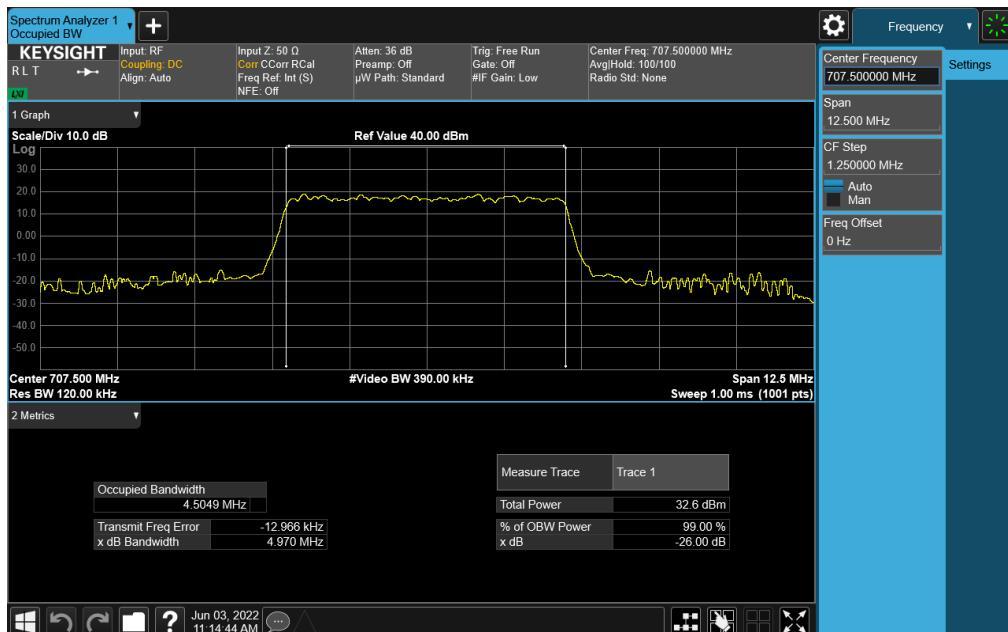


FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 74 of 315

NR Band n12

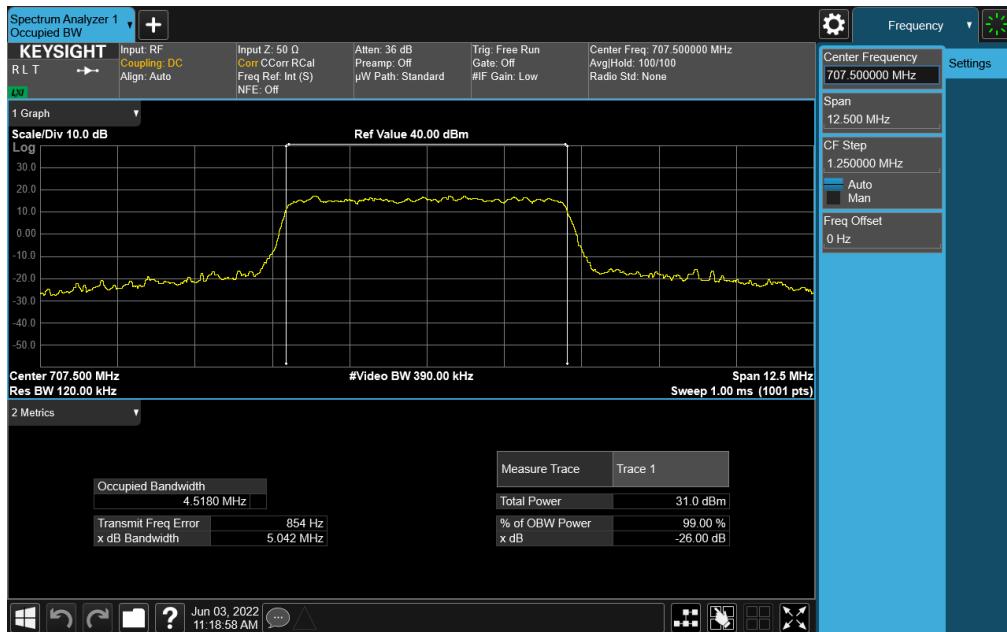


Plot 7-115. Occupied Bandwidth Plot (NR Band n12 - 5MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

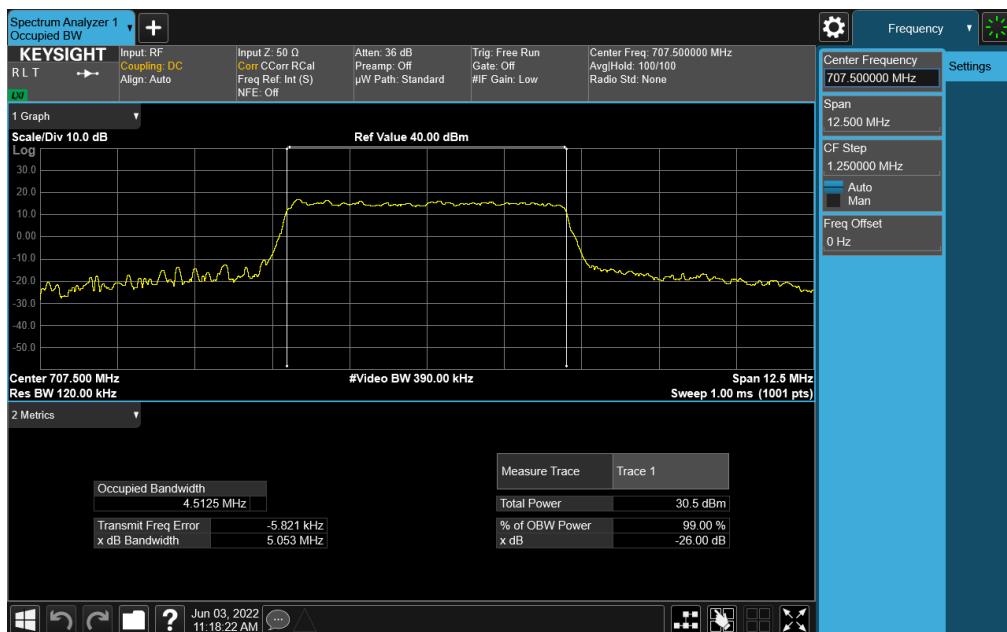


Plot 7-116. Occupied Bandwidth Plot (NR Band n12 - 5MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 75 of 315	



Plot 7-117. Occupied Bandwidth Plot (NR Band n12 - 5MHz CP-OFDM 16-QAM - Full RB)

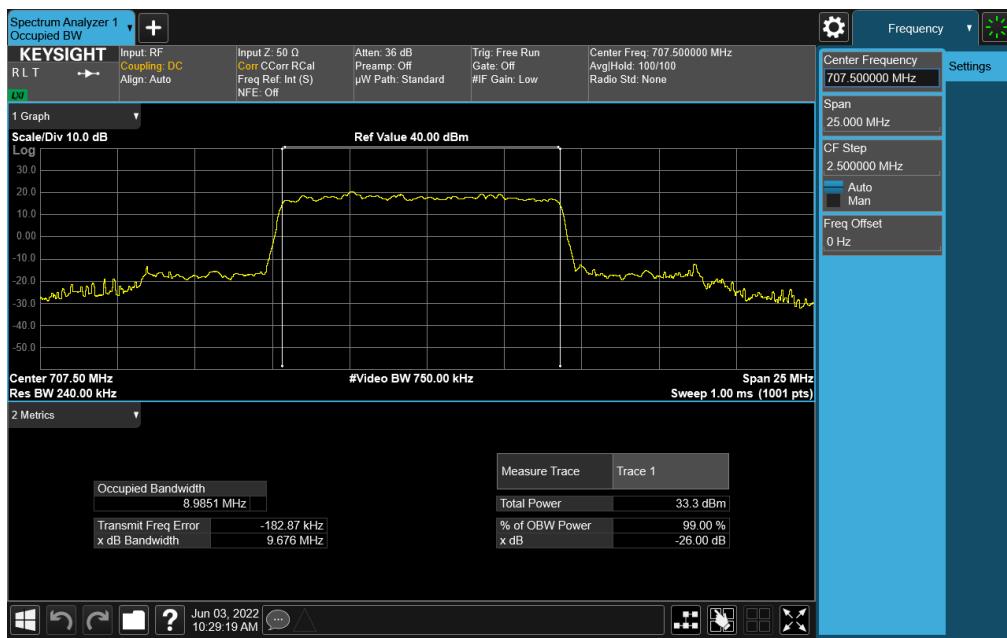


Plot 7-118. Occupied Bandwidth Plot (NR Band n12 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 76 of 315

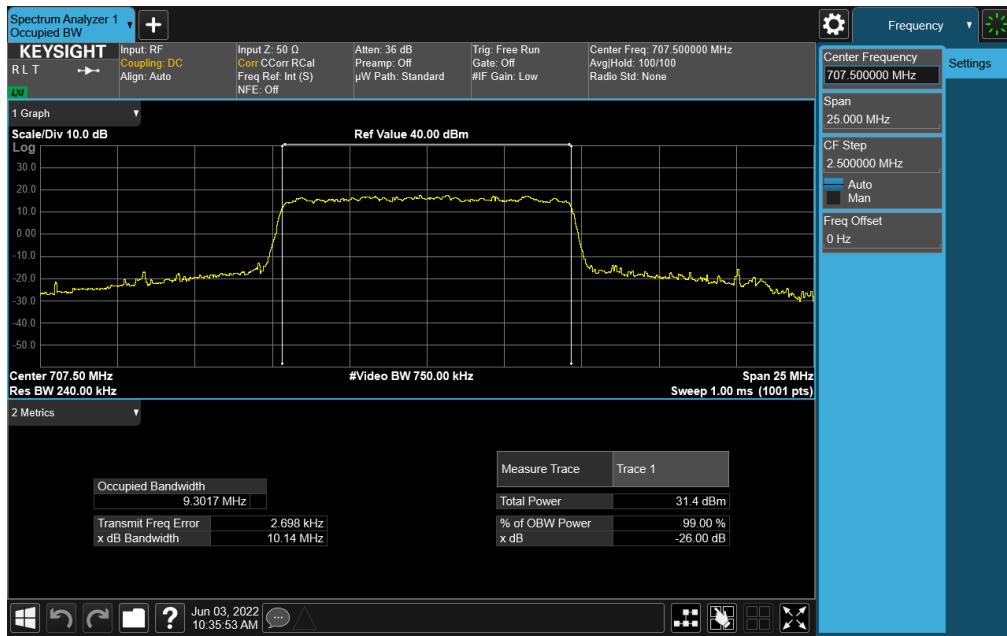


Plot 7-119. Occupied Bandwidth Plot (NR Band n12 - 5MHz DFT-s-OFDM 256-QAM - Full RB)

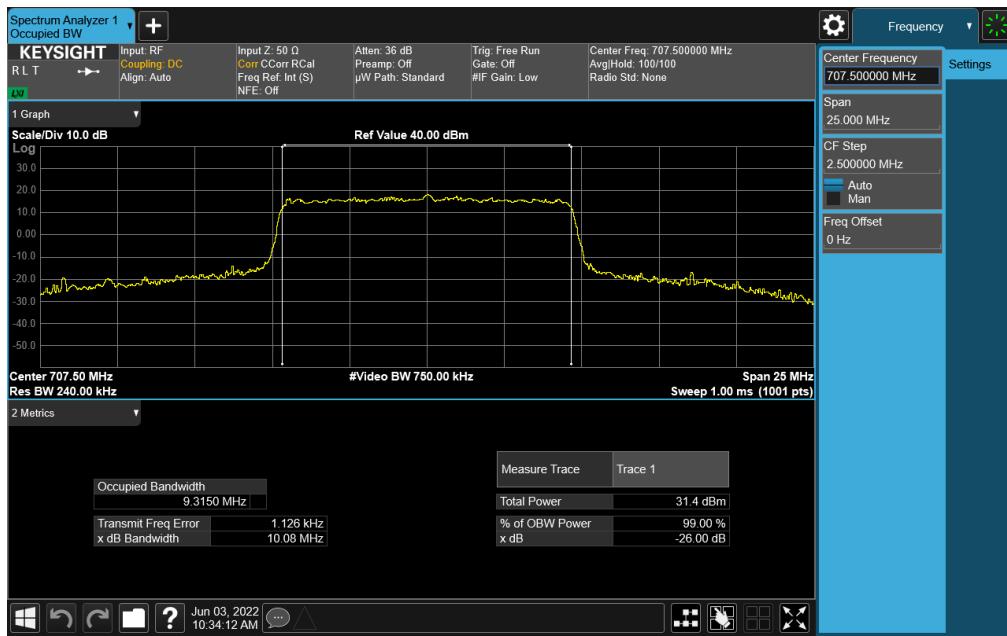


Plot 7-120. Occupied Bandwidth Plot (NR Band n12 - 10MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 77 of 315



Plot 7-121. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM QPSK - Full RB)

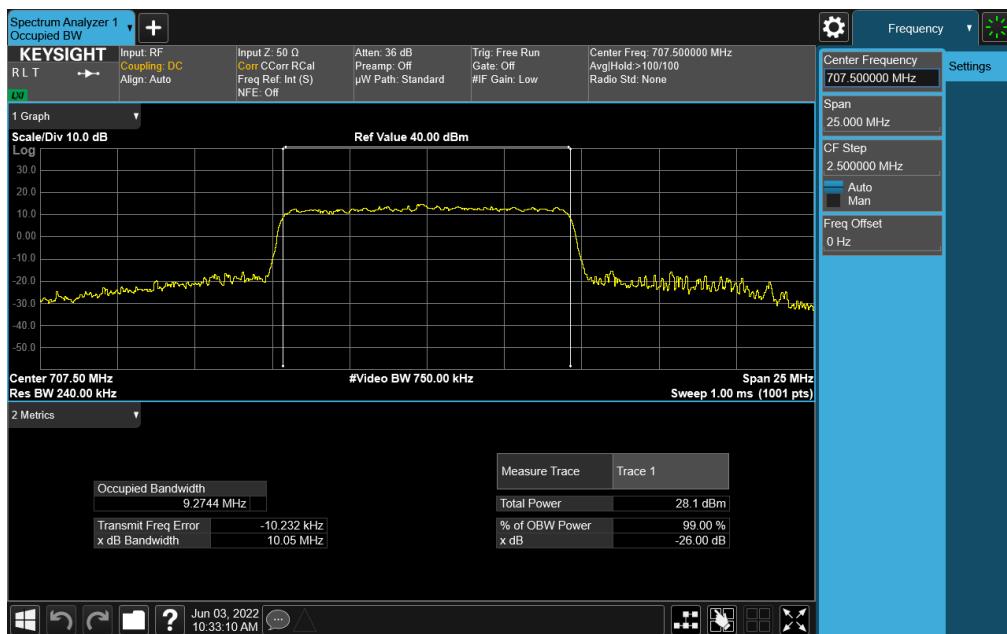


Plot 7-122. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-123. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM 64-QAM - Full RB)

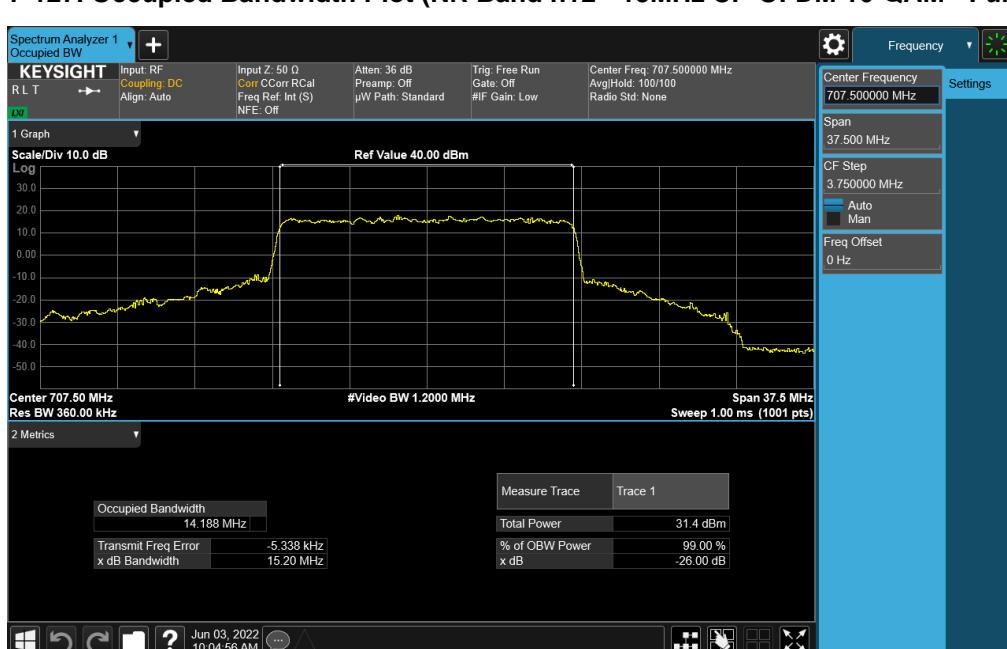
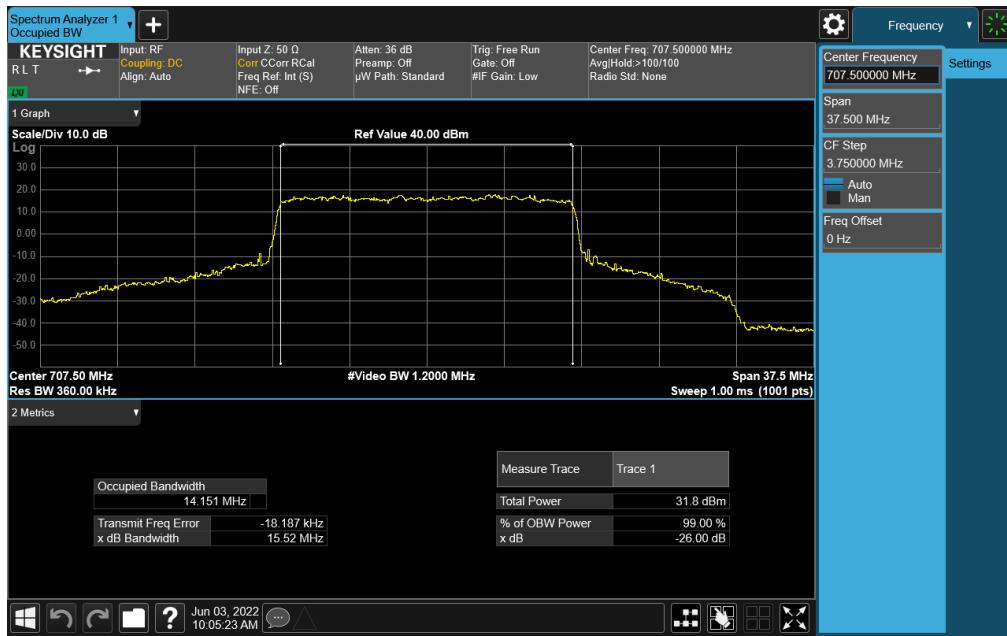


Plot 7-124. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM 256-QAM - Full RB)

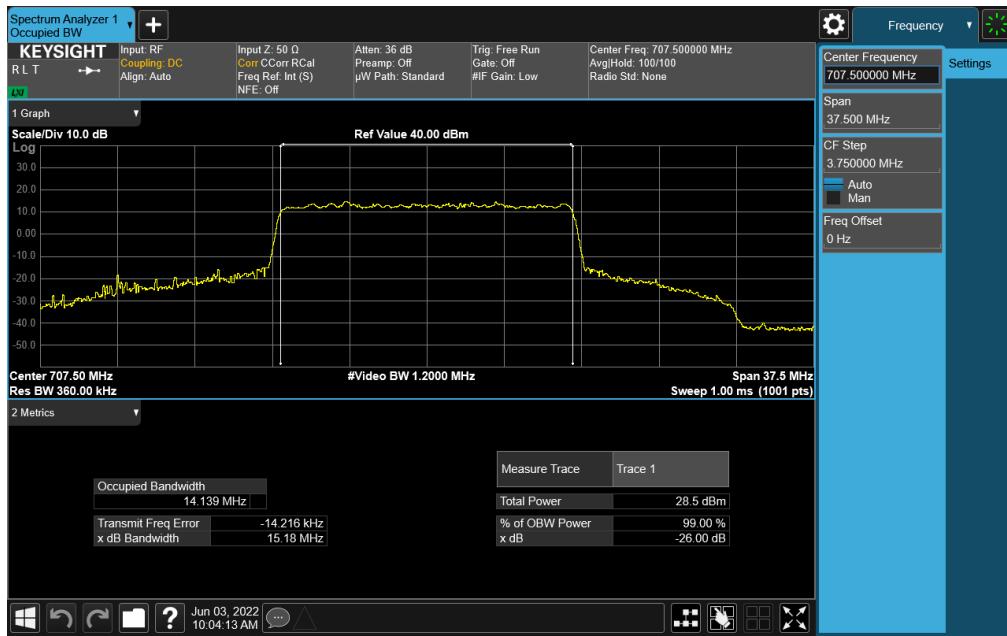
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		



FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-129. Occupied Bandwidth Plot (NR Band n12 - 15MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Uplink CA LTE Band 66B/C



Plot 7-130. Occupied Bandwidth Plot (ULCA Band 66 – (20+20)MHz QPSK - Full RB)



Plot 7-131. Occupied Bandwidth Plot (ULCA Band 66 – (20+20)MHz 16-QAM - Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 83 of 315



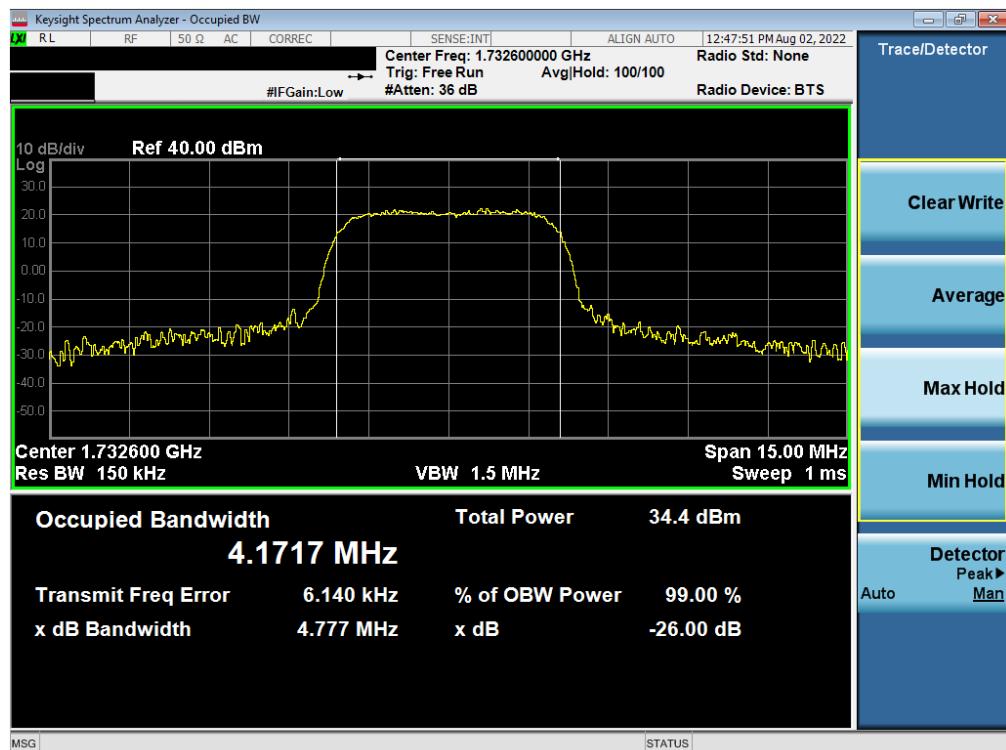
Plot 7-132. Occupied Bandwidth Plot (ULCA Band 66 – (20+20)MHz 64-QAM - Full RB)



Plot 7-133. Occupied Bandwidth Plot (ULCA Band 66 – (20+20)MHz 256-QAM - Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 84 of 315

WCDMA AWS



Plot 7-134. Occupied Bandwidth Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.3 Spurious and Harmonic Emissions at Antenna Terminal

§2.1051, §27.53

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. 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 were reported.

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

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 18GHz (separated into at least two plots per channel)
2. RBW \geq 100kHz
3. VBW \geq 3 x RBW
4. Detector = RMS
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

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

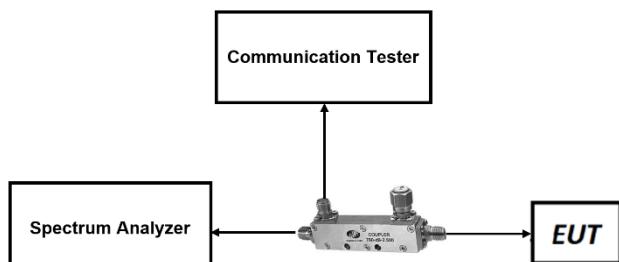


Figure 7-2. Test Instrument & Measurement Setup

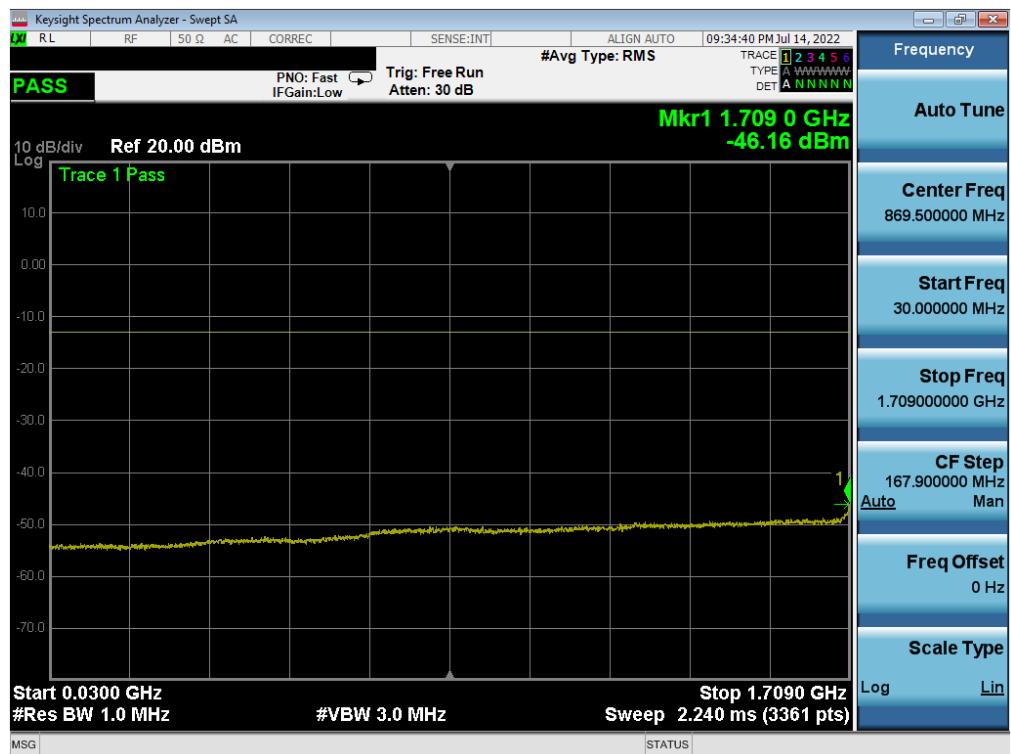
FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 86 of 315	

Test Notes

1. Per Part 27, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, 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. 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: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4

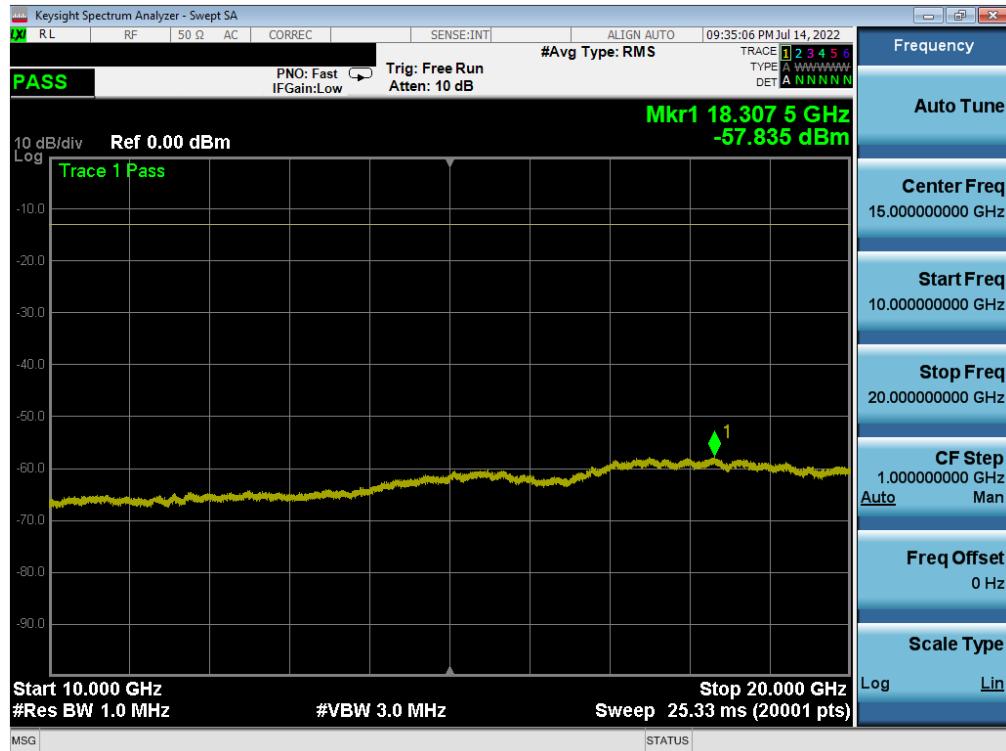


Plot 7-135. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

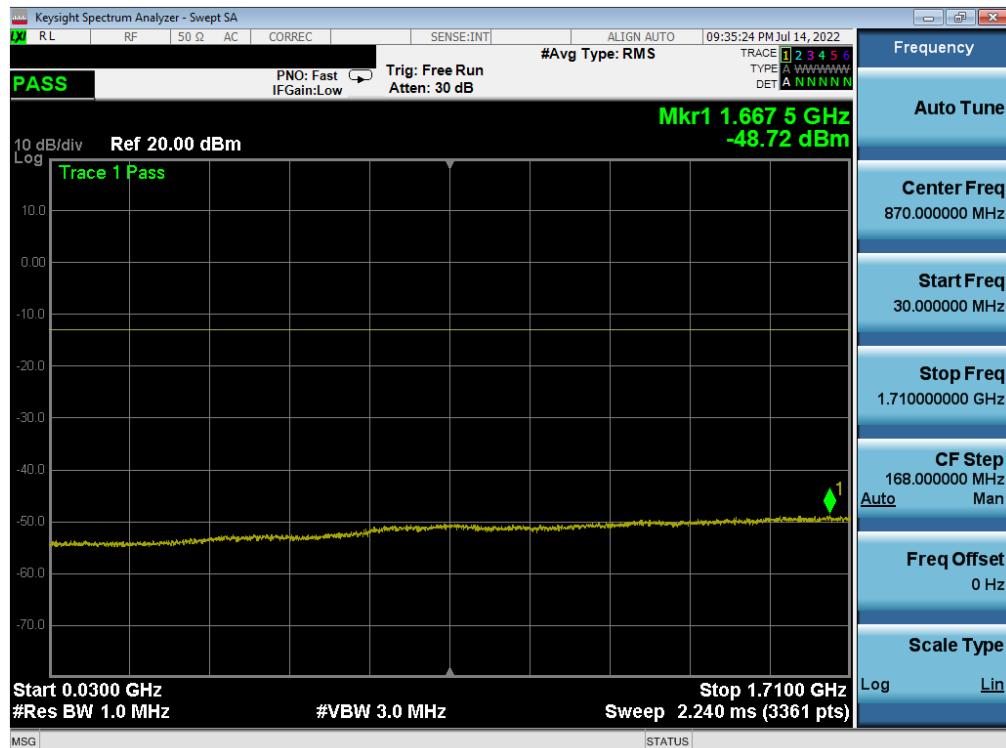


Plot 7-136. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-137. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-138. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 89 of 315	



Plot 7-139. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-140. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 90 of 315

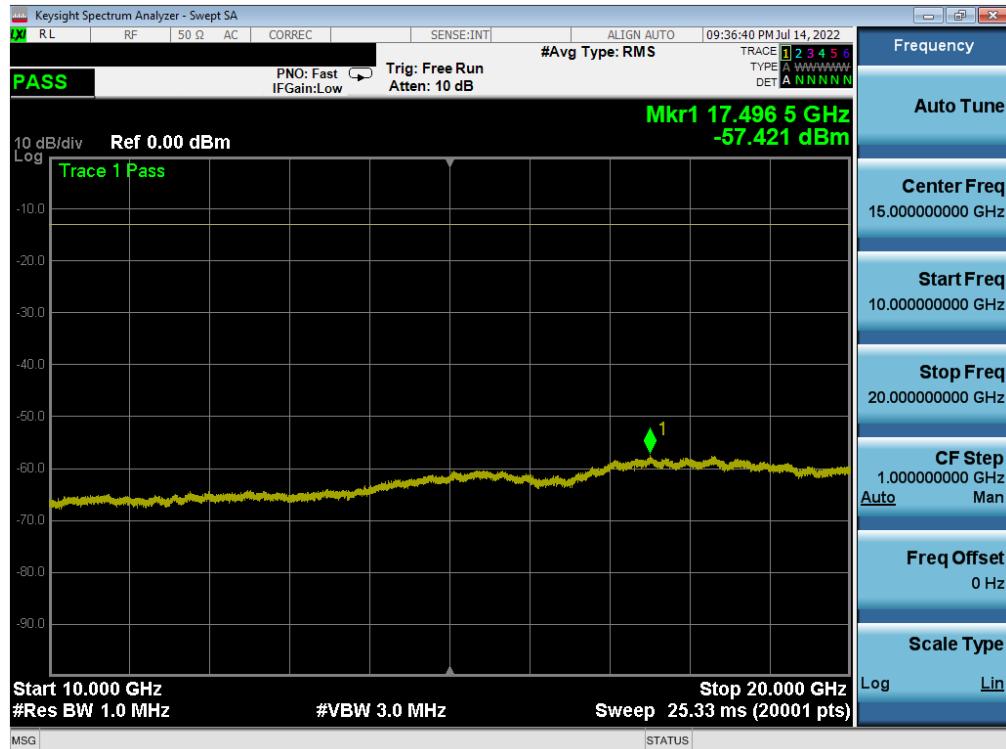


Plot 7-141. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-142. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

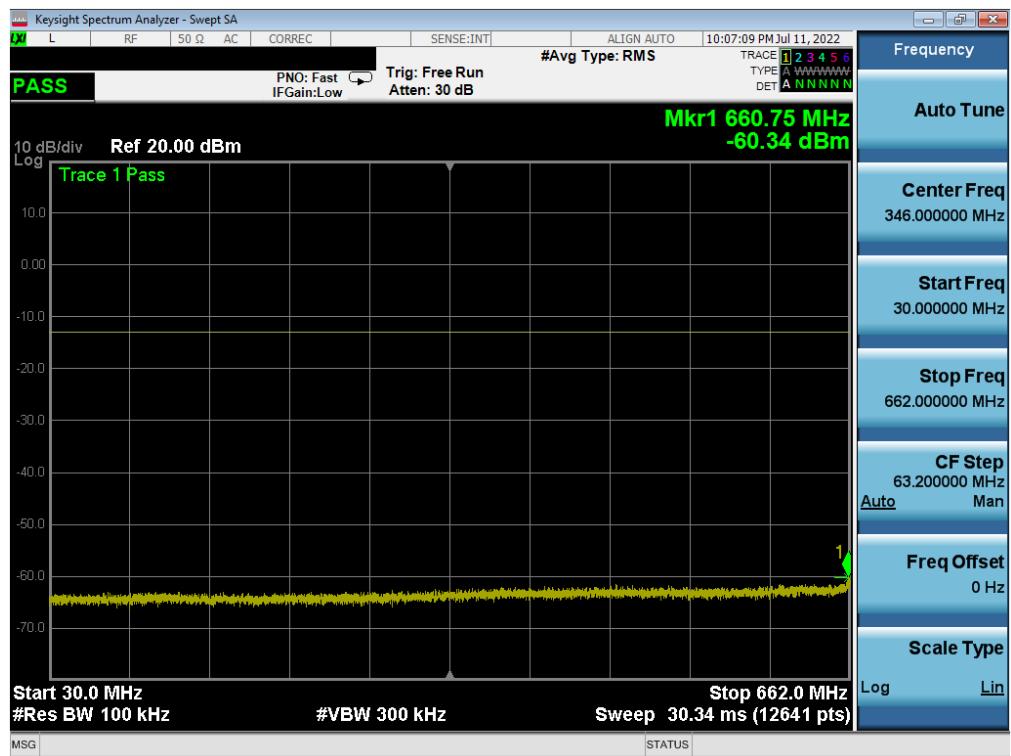
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 91 of 315



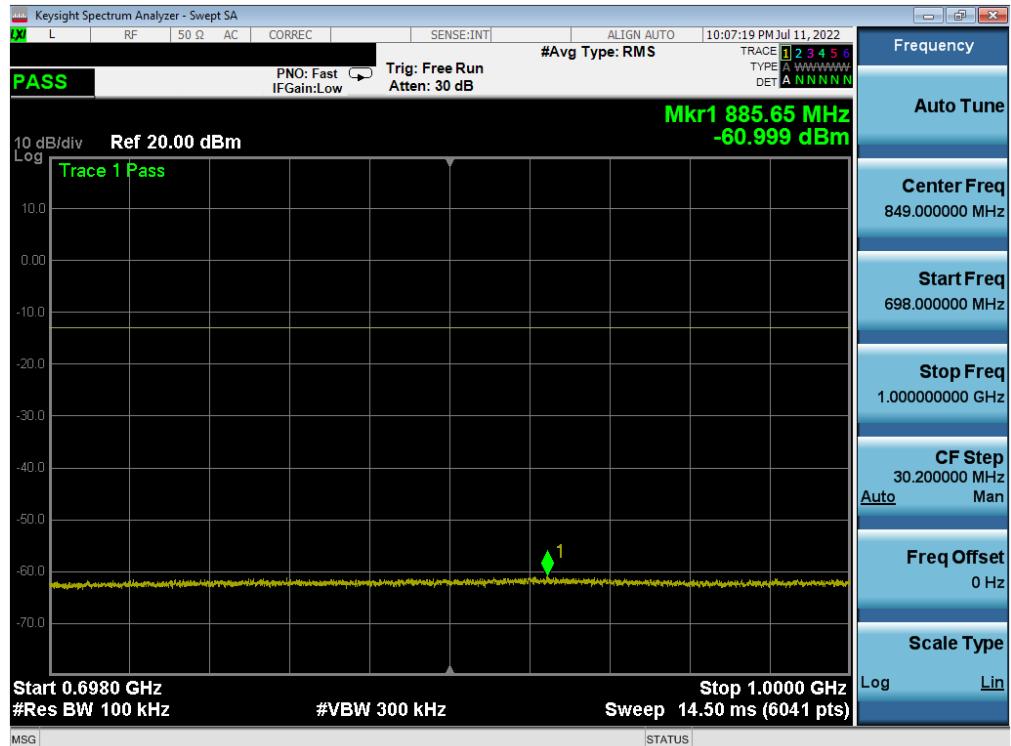
Plot 7-143. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 92 of 315

LTE Band 71

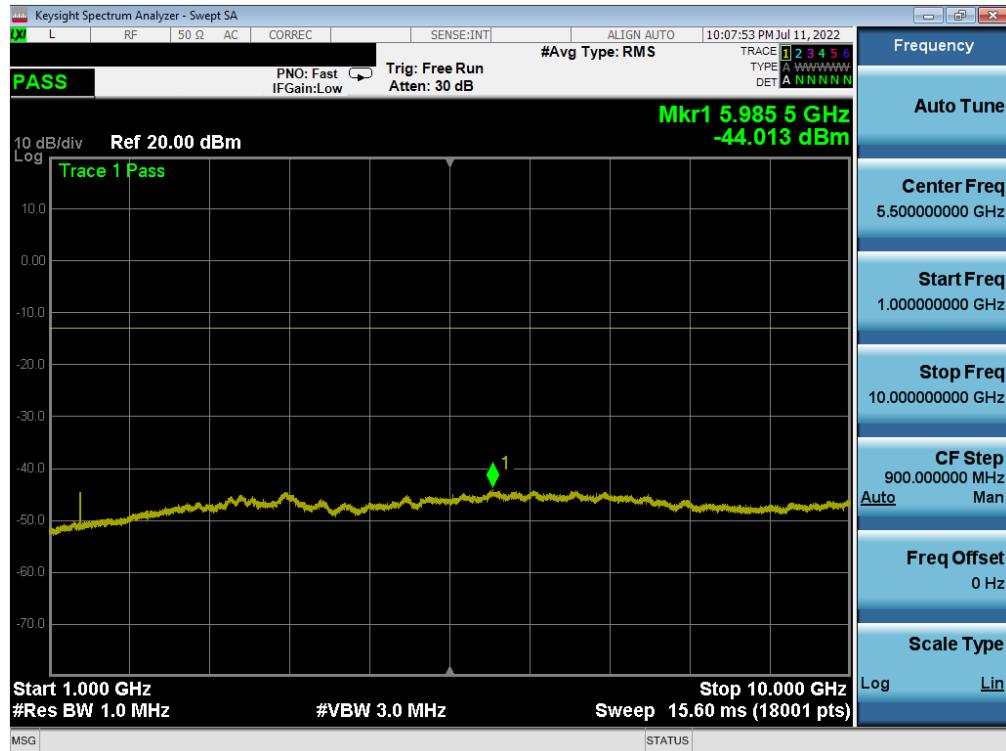


Plot 7-144. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

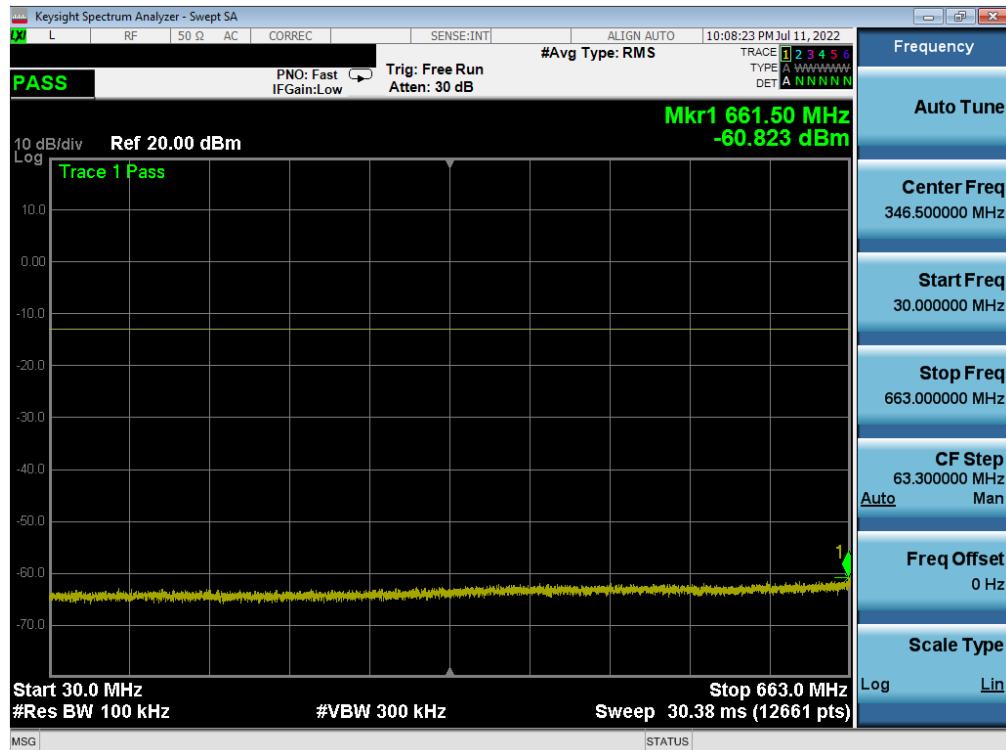


Plot 7-145. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 93 of 315

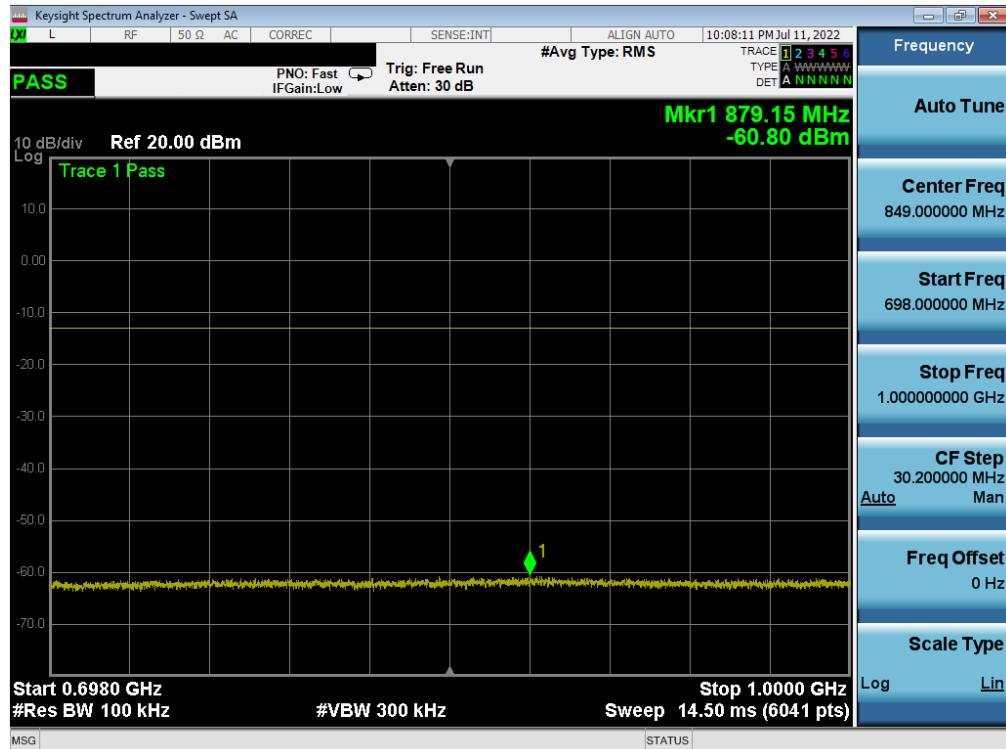


Plot 7-146. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

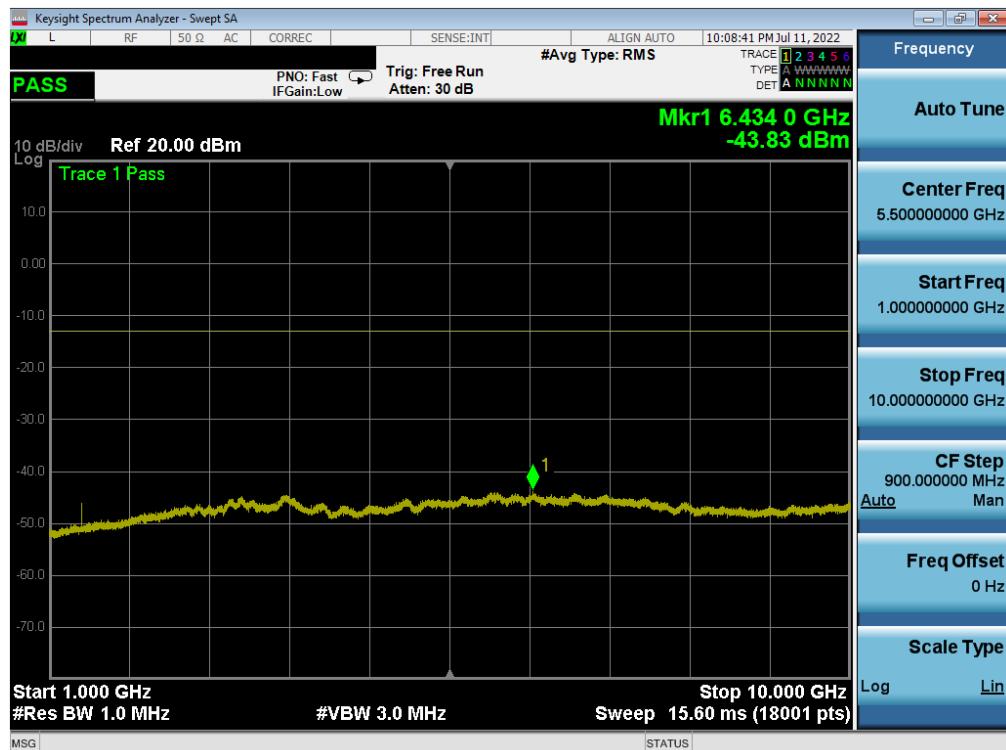


Plot 7-147. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 94 of 315	

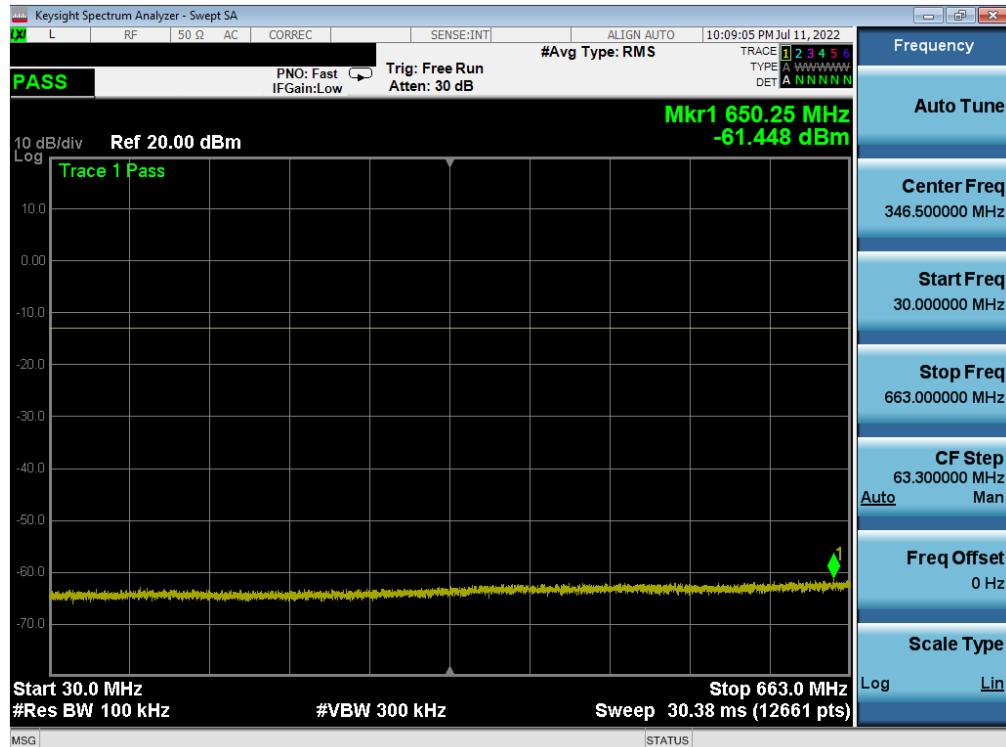


Plot 7-148. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

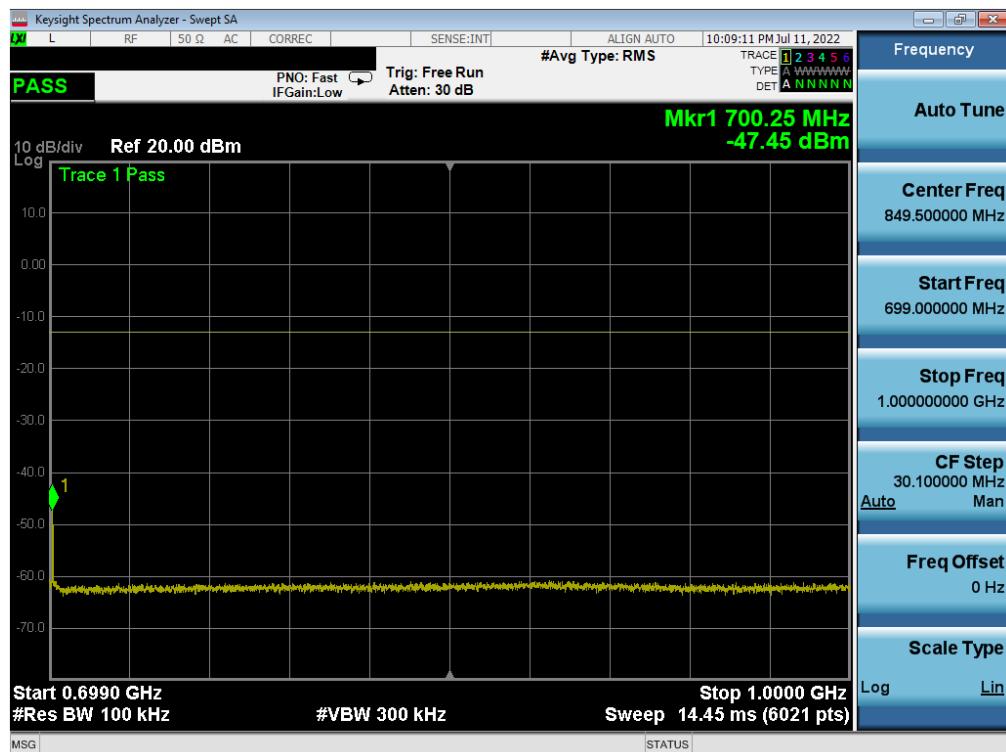


Plot 7-149. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-150. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-151. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

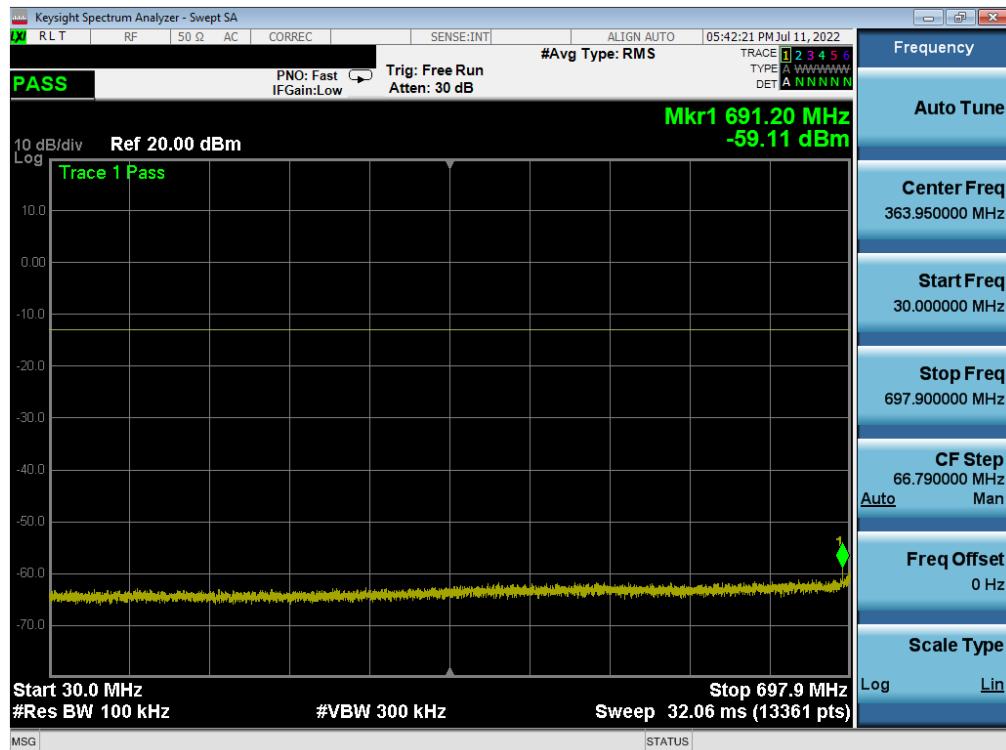
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 96 of 315



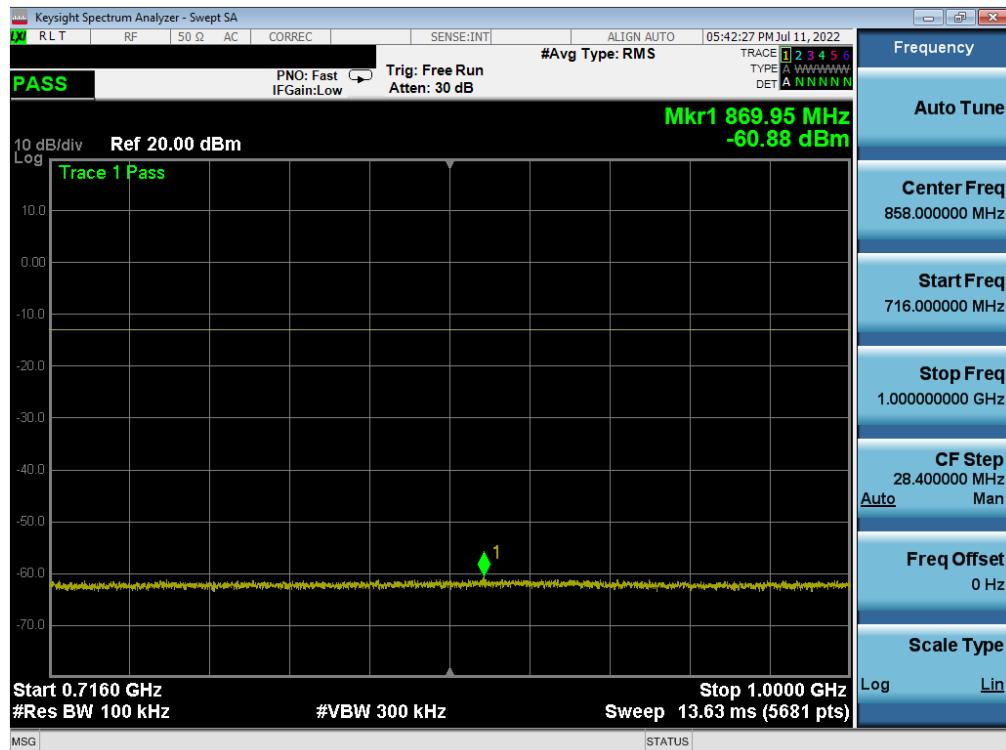
Plot 7-152. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 97 of 315

LTE Band 12/17

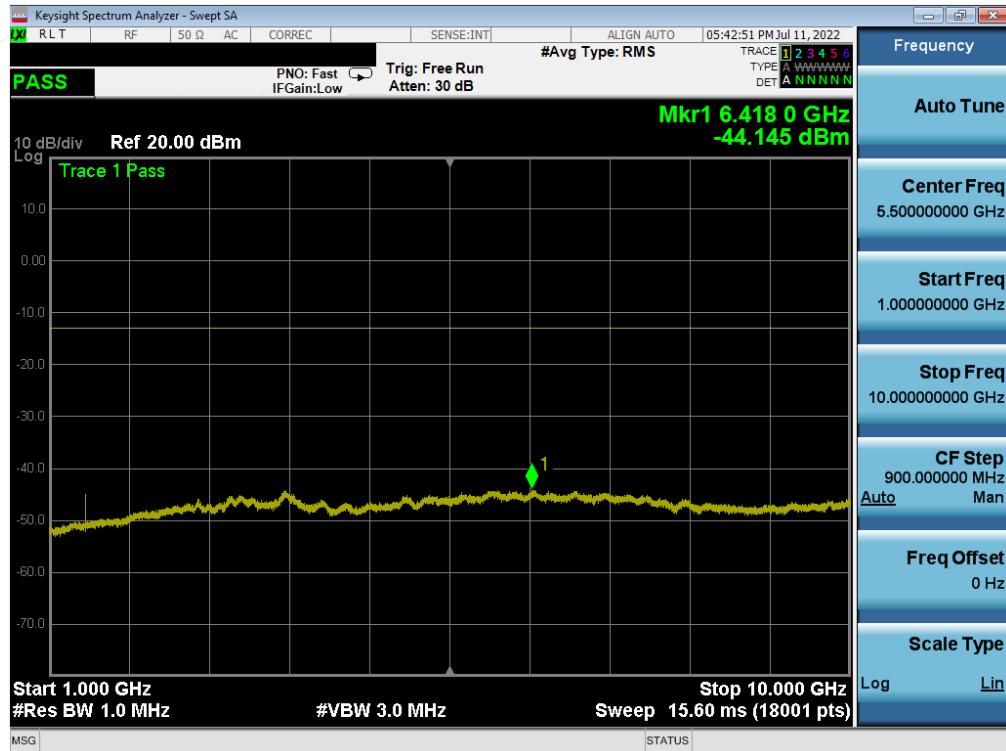


Plot 7-153. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

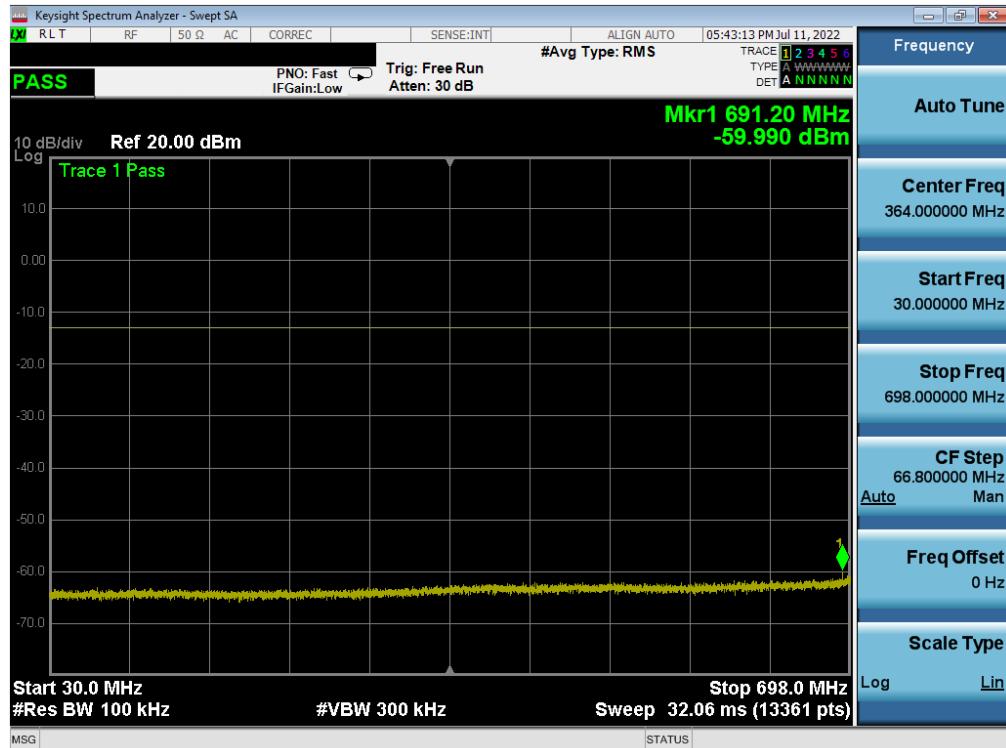


Plot 7-154. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 98 of 315

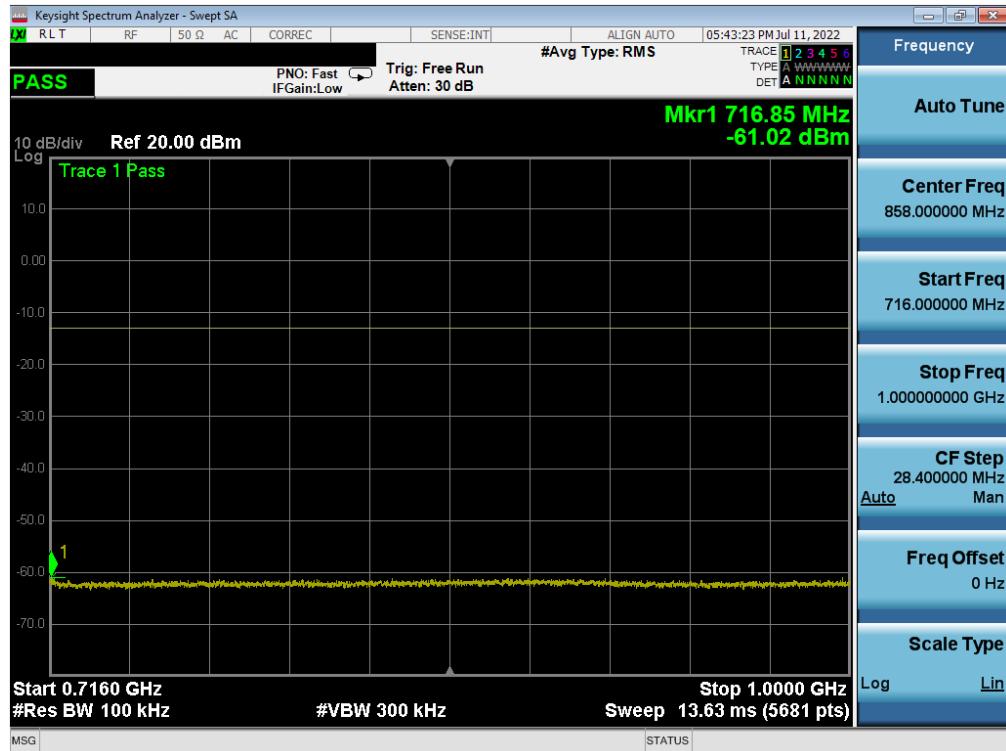


Plot 7-155. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

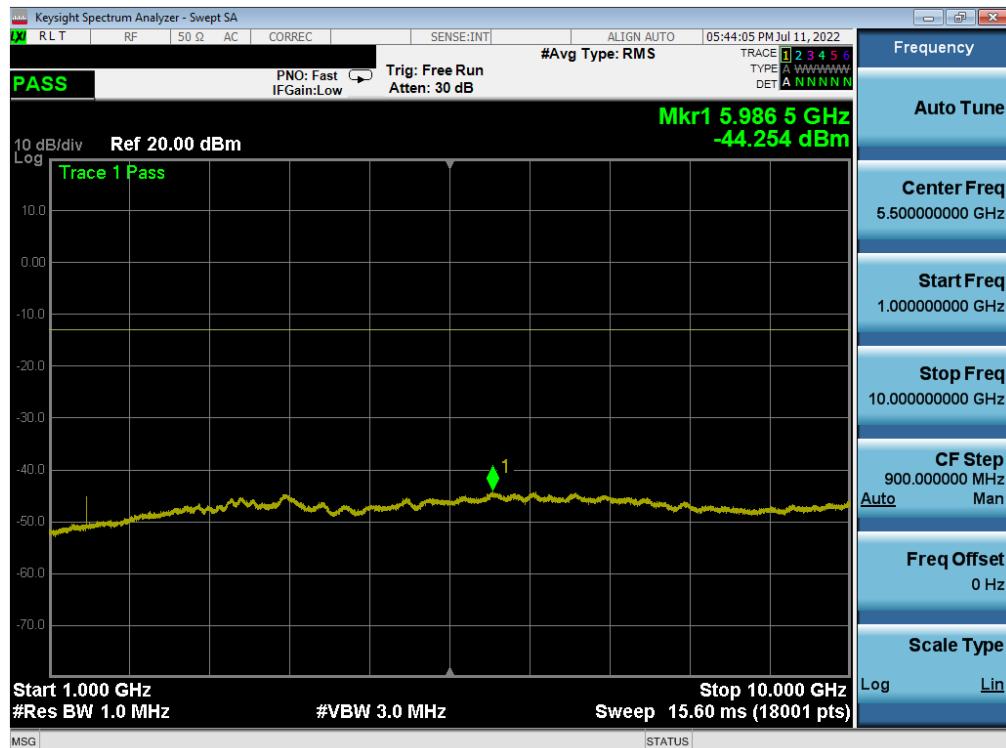


Plot 7-156. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 99 of 315

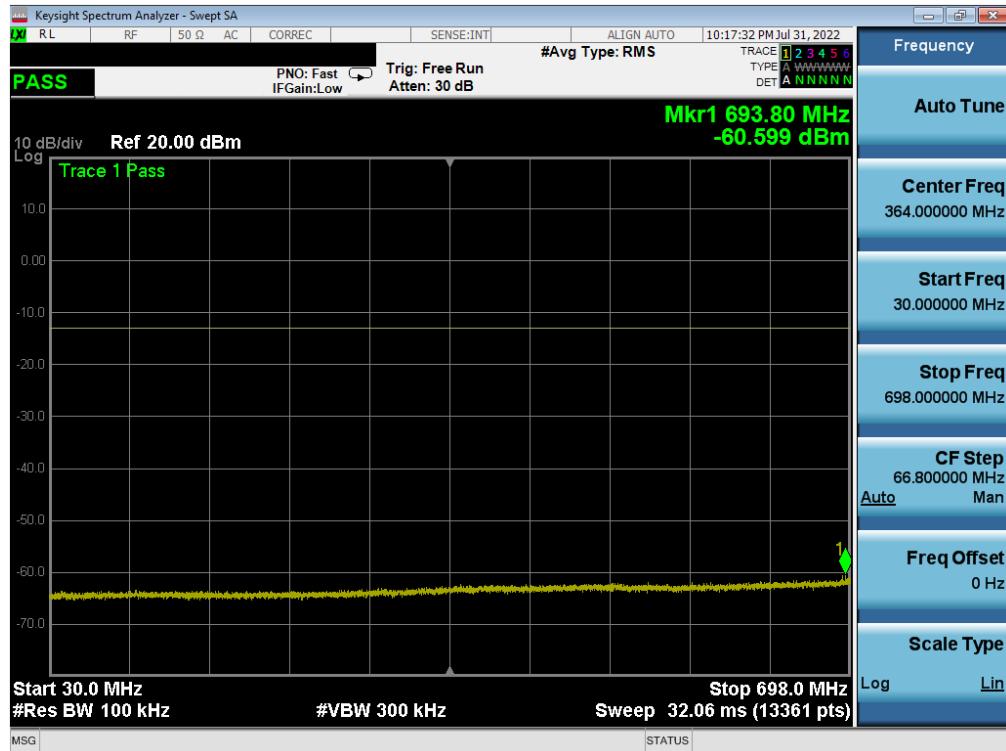


Plot 7-157. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

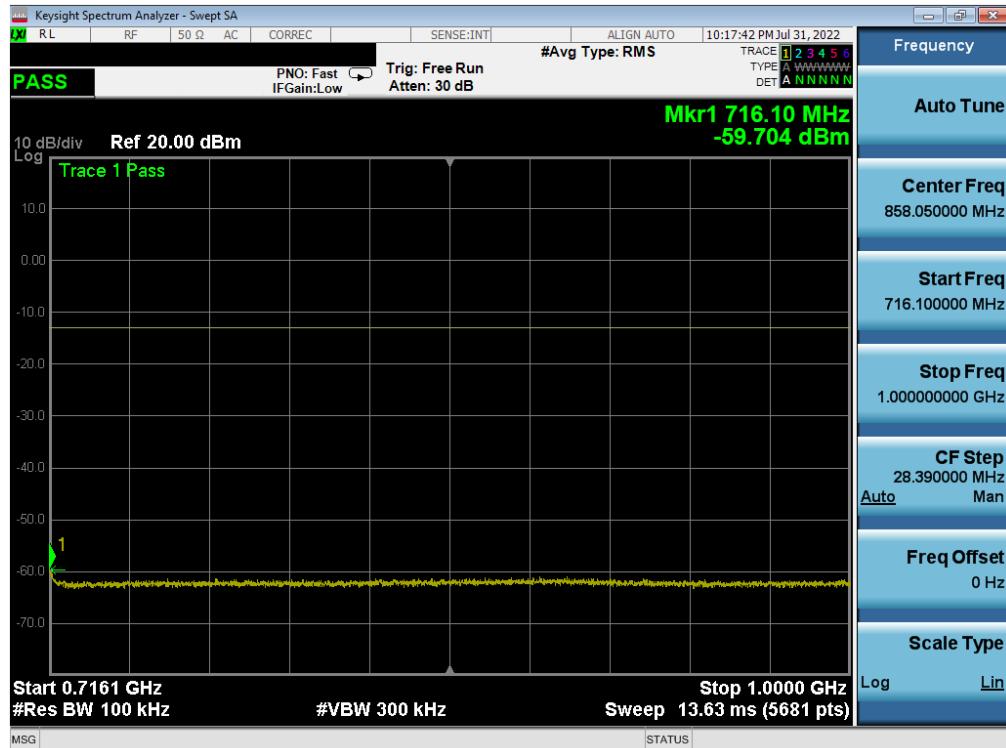


Plot 7-158. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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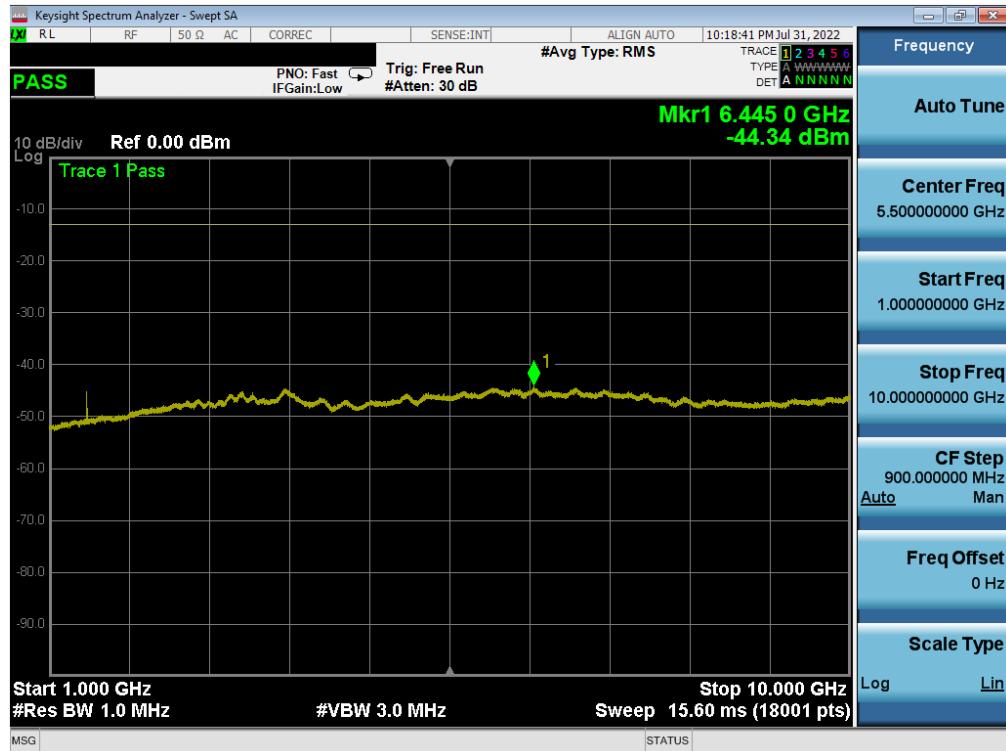


Plot 7-159. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-160. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

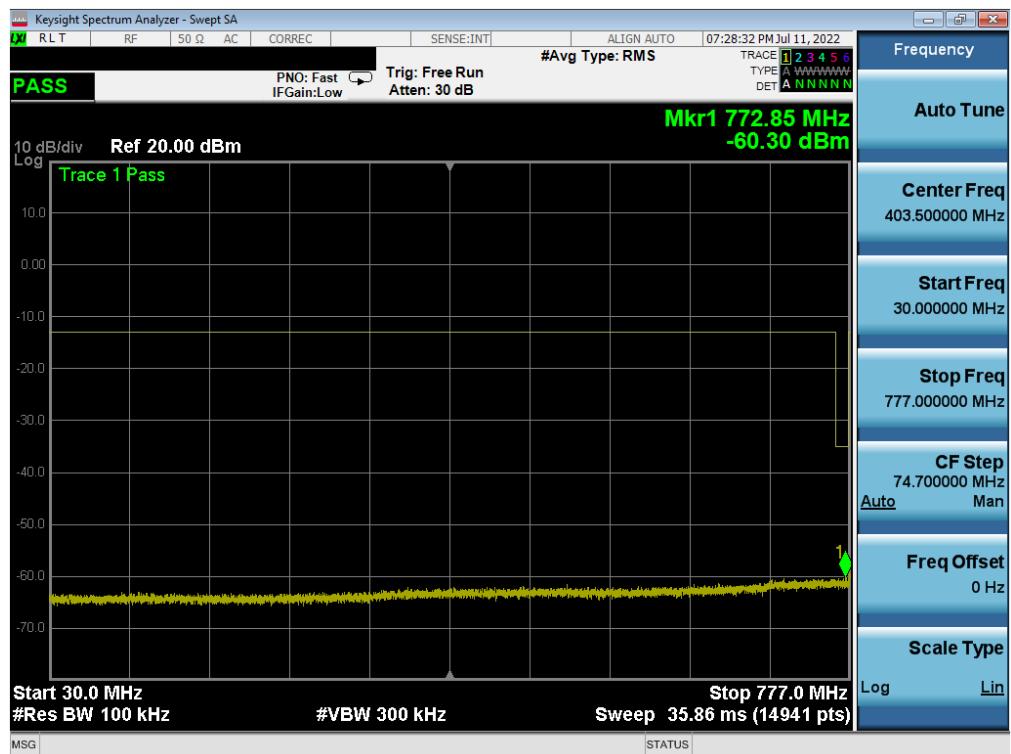
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 101 of 315



Plot 7-161. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 102 of 315

LTE Band 13

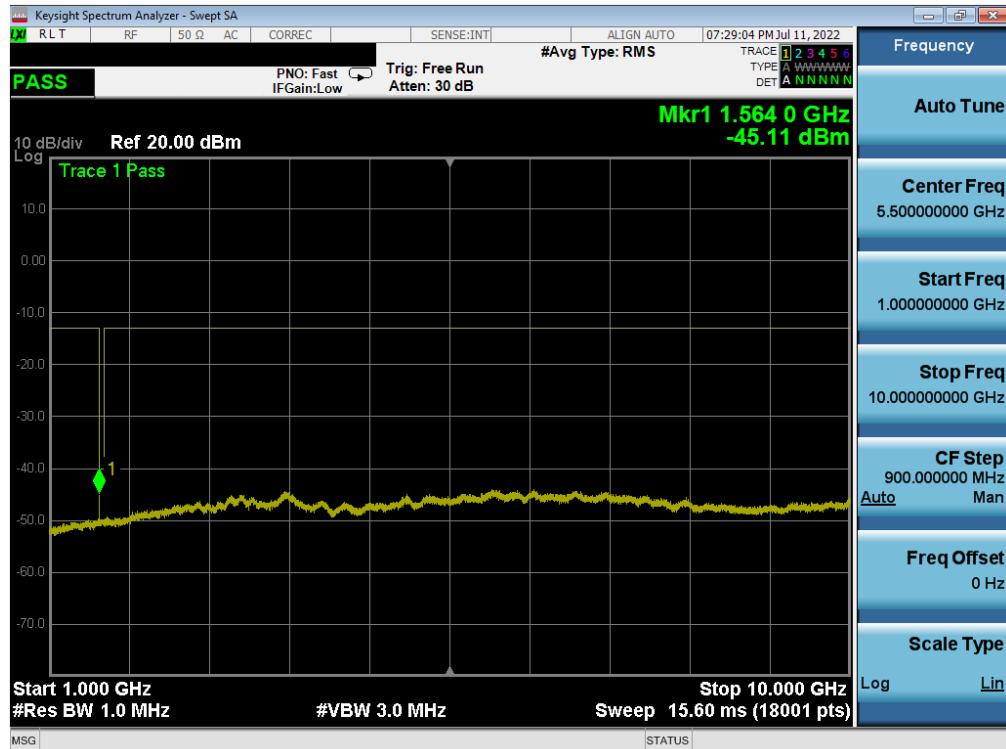


Plot 7-162. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-163. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)

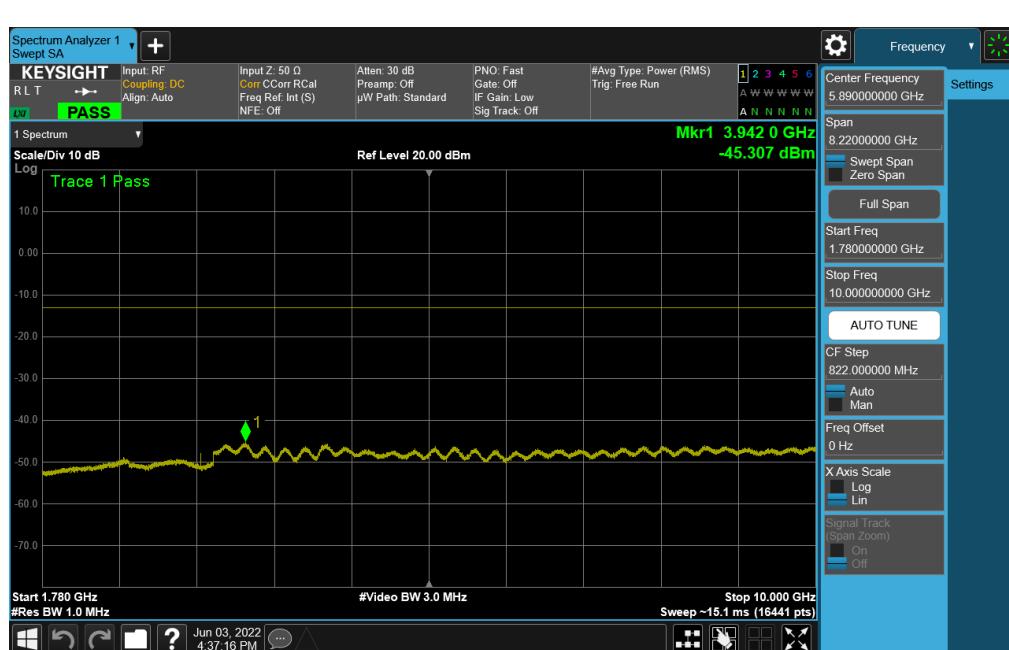
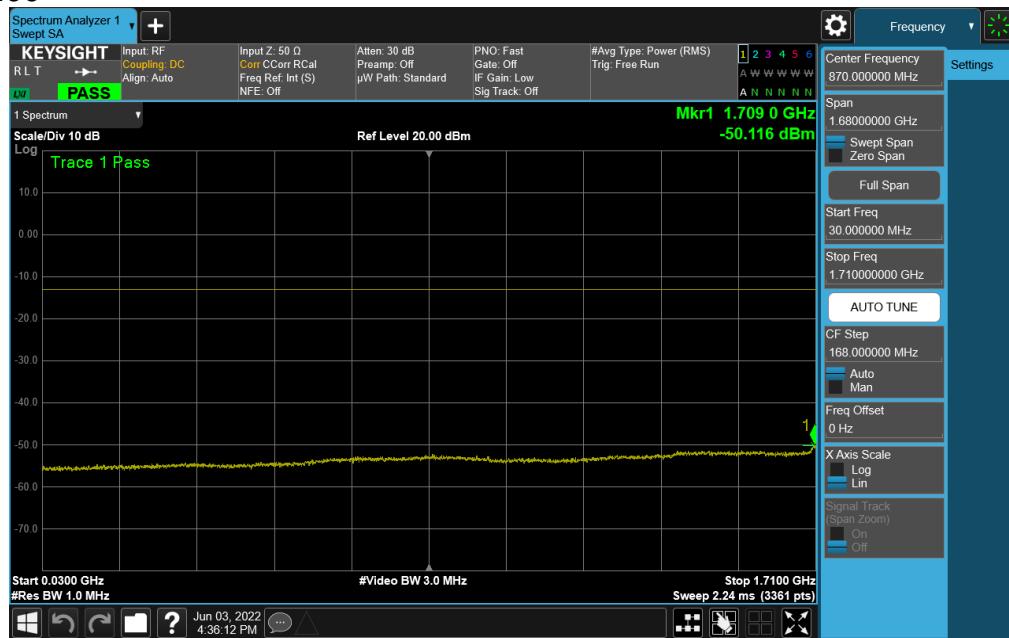
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 103 of 315



Plot 7-164. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 104 of 315

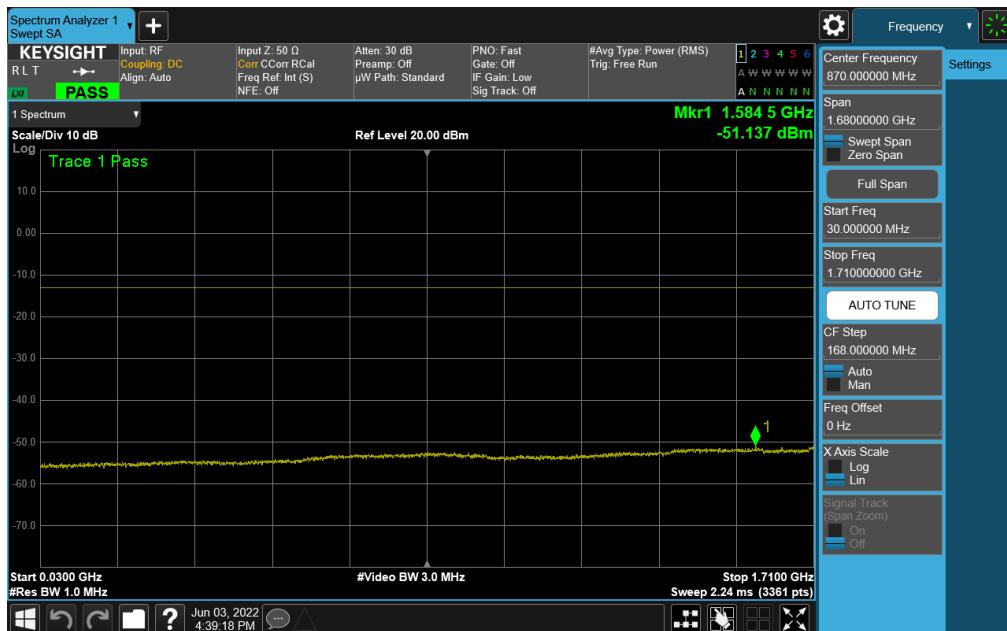
NR Band n66



FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 105 of 315	

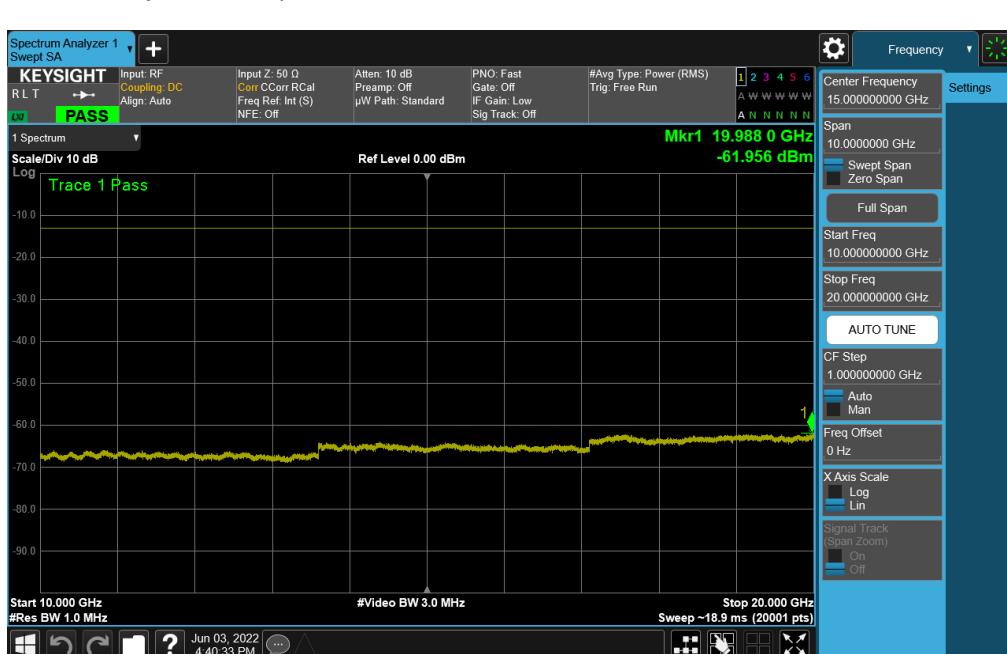
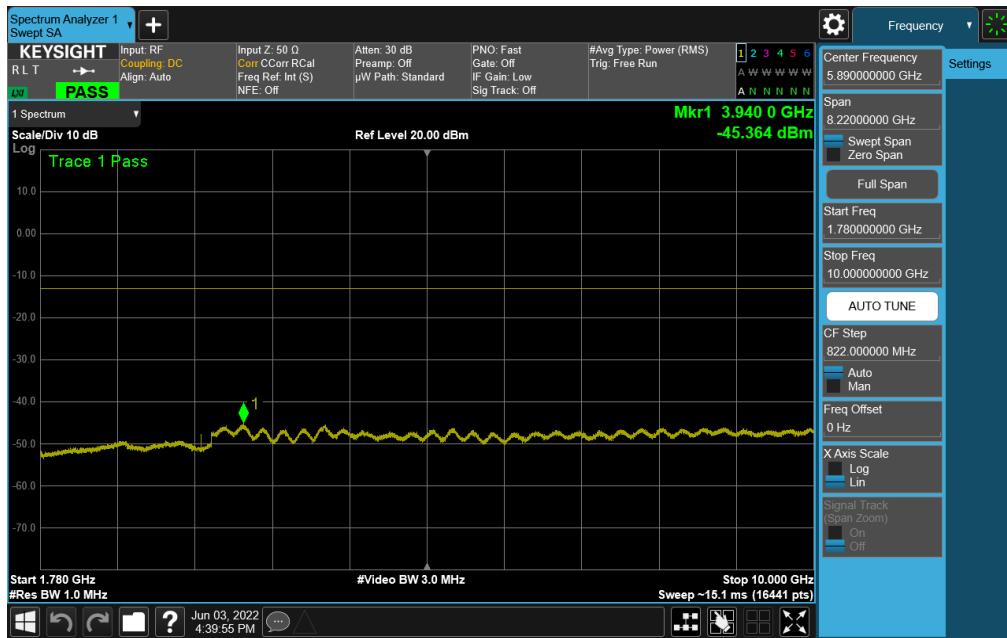


Plot 7-167. Conducted Spurious Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

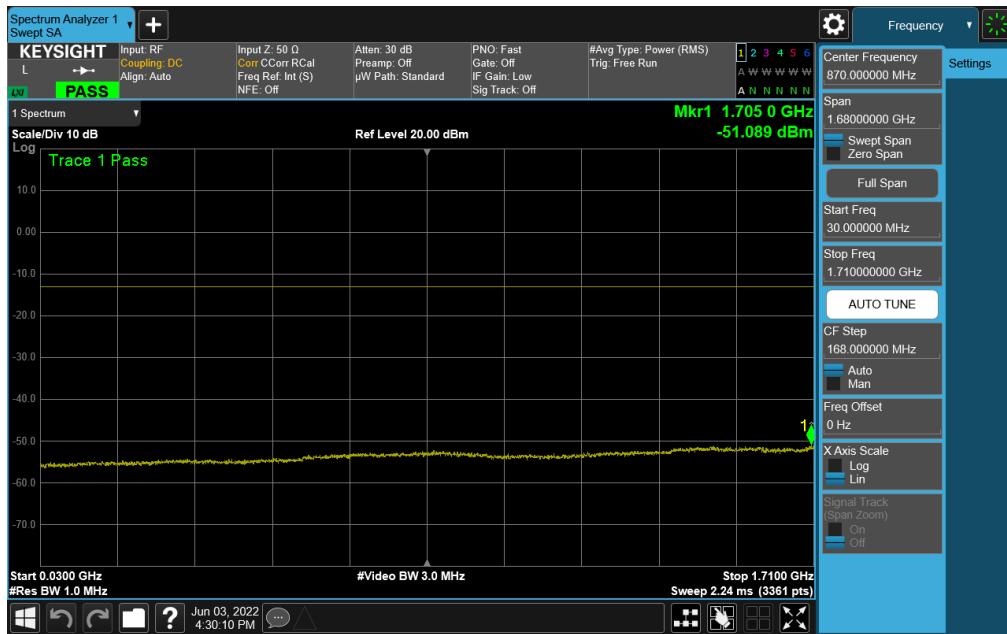


Plot 7-168. Conducted Spurious Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

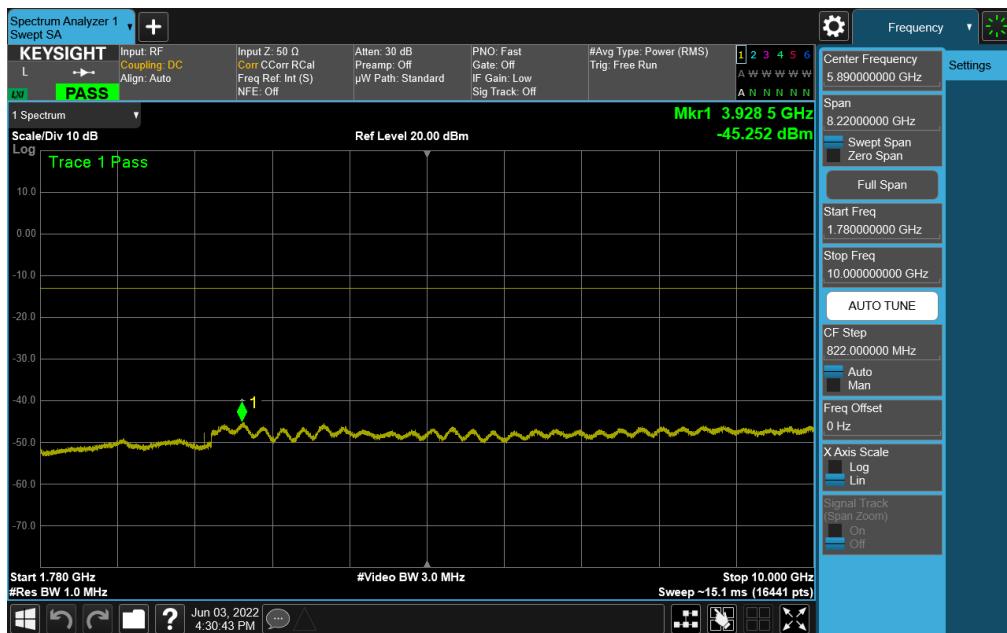
FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 106 of 315



FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 107 of 315

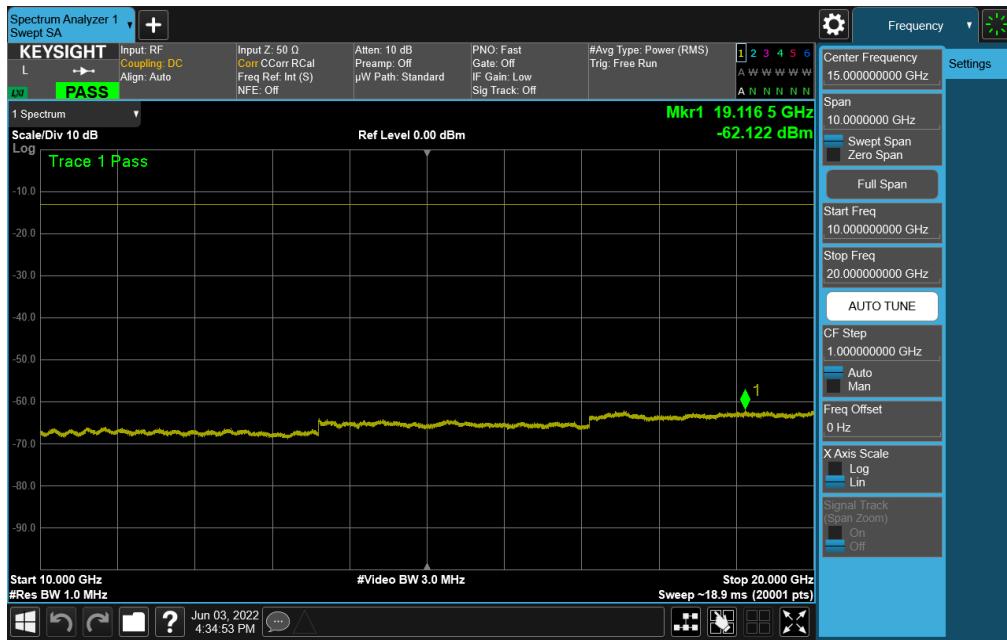


Plot 7-171. Conducted Spurious Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-172. Conducted Spurious Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

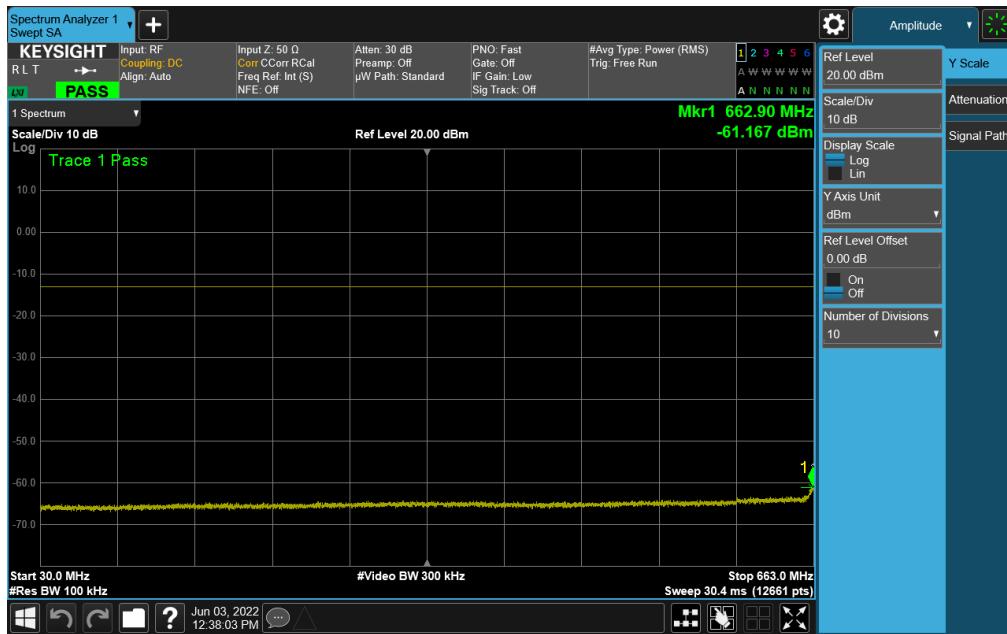
FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 108 of 315	



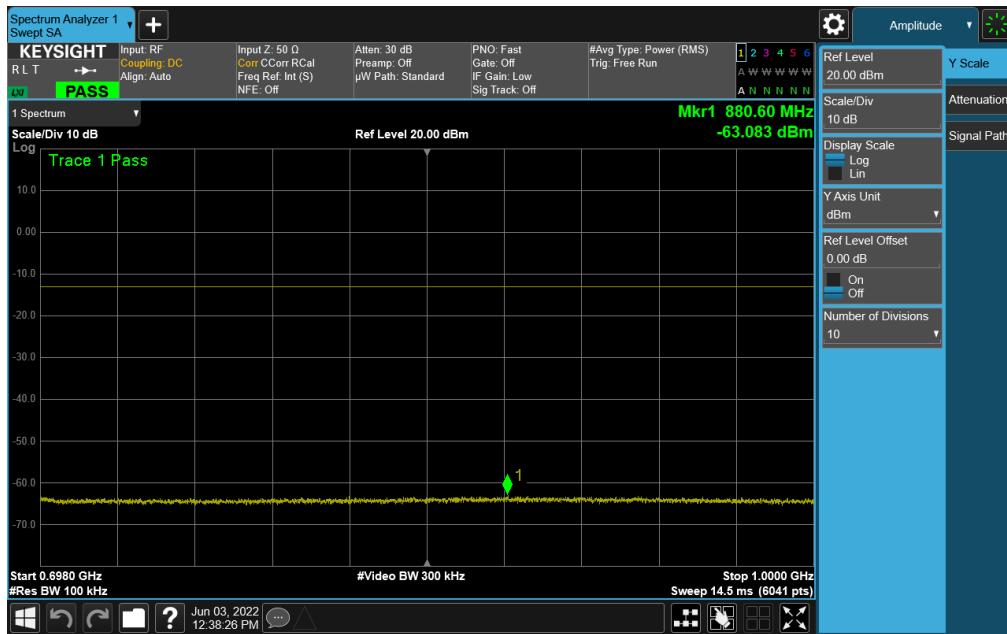
Plot 7-173. Conducted Spurious Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 109 of 315	

NR Band n71

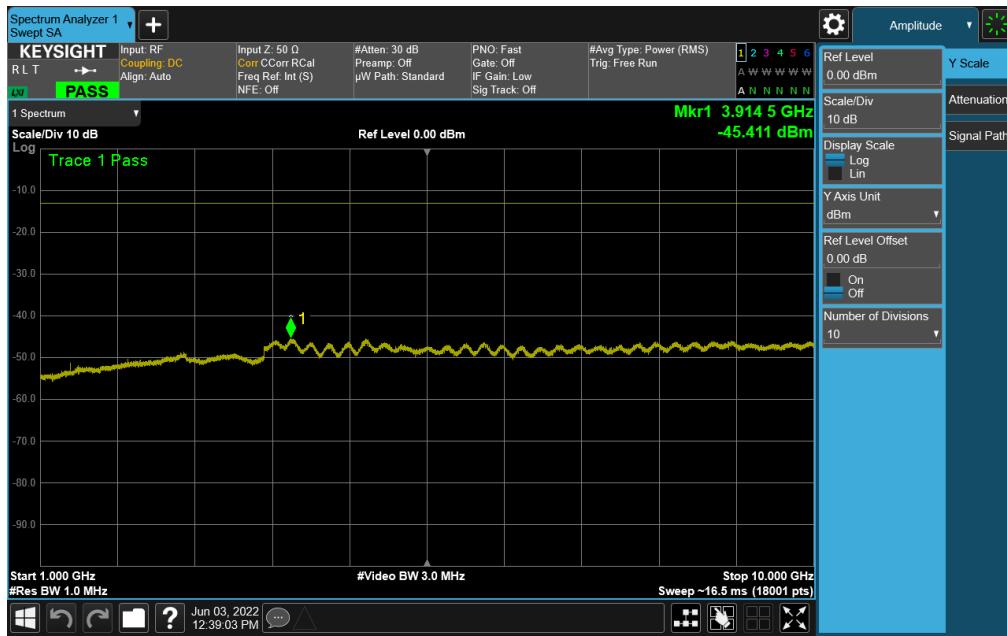


Plot 7-174. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

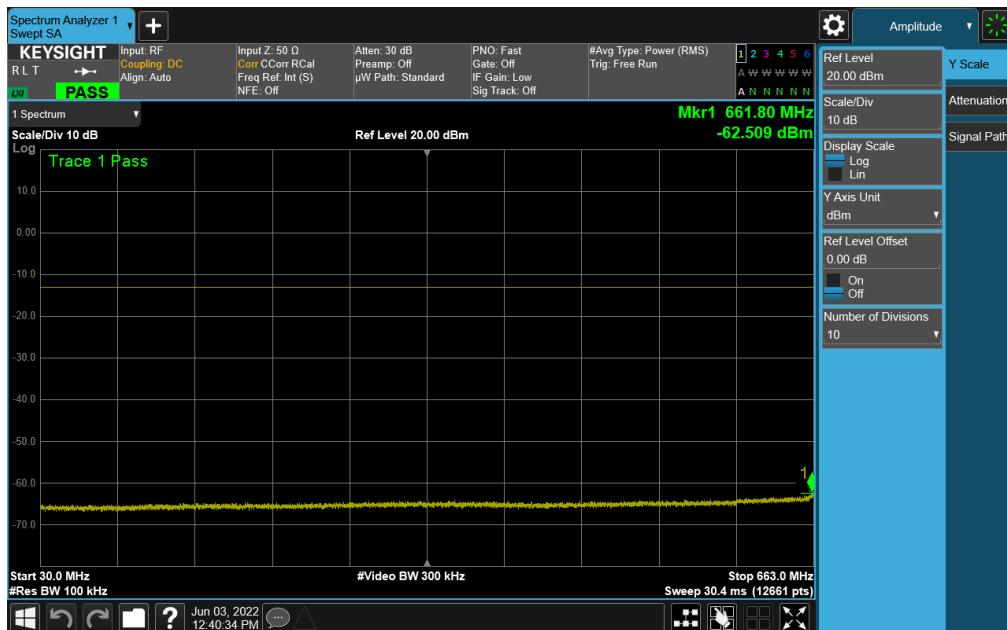


Plot 7-175. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 110 of 315	

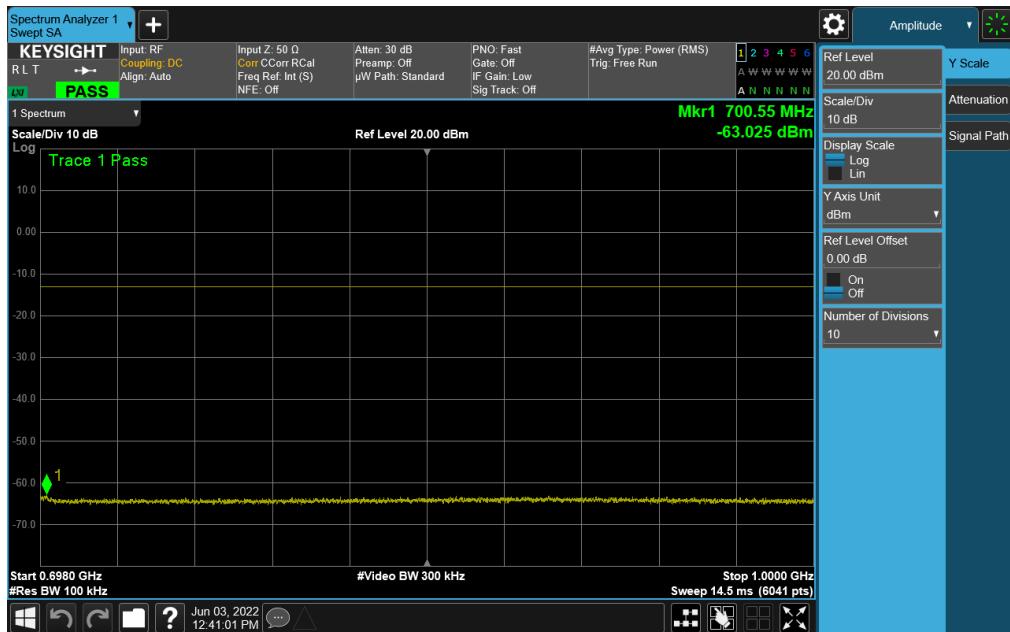


Plot 7-176. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

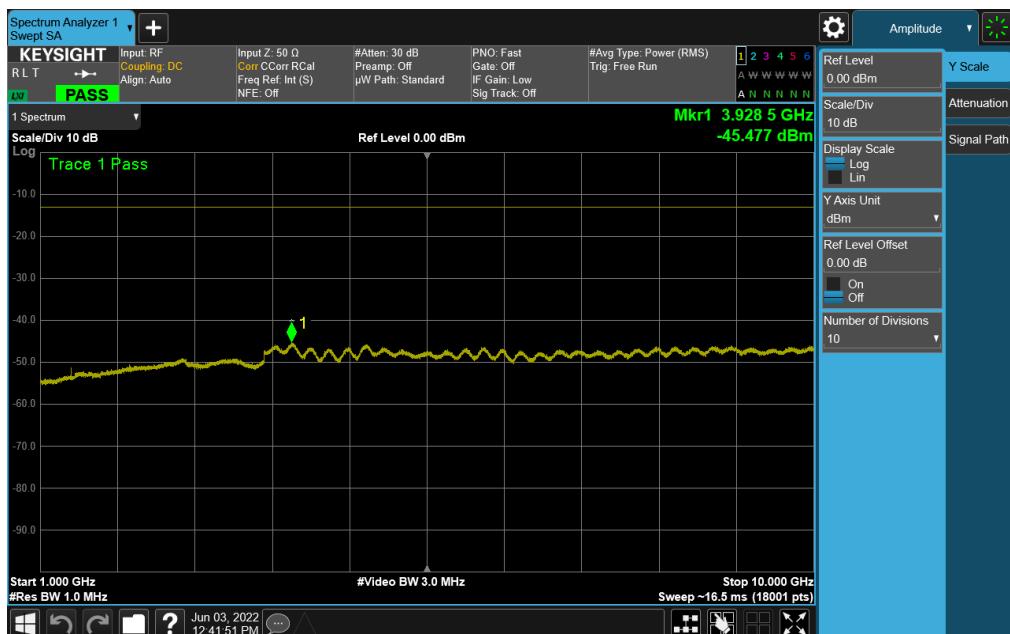


Plot 7-177. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 111 of 315

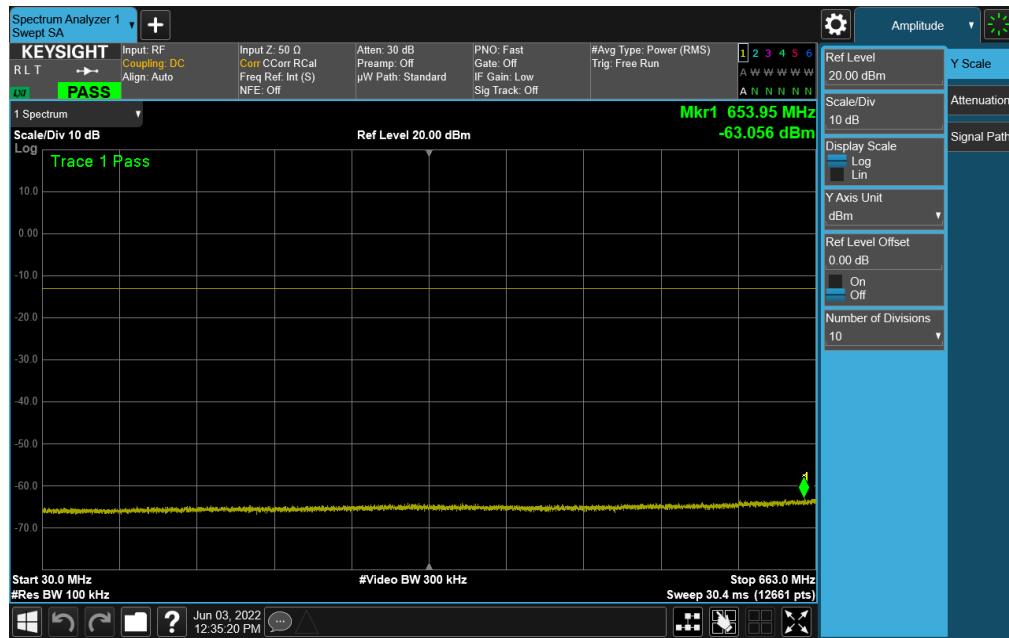


Plot 7-178. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

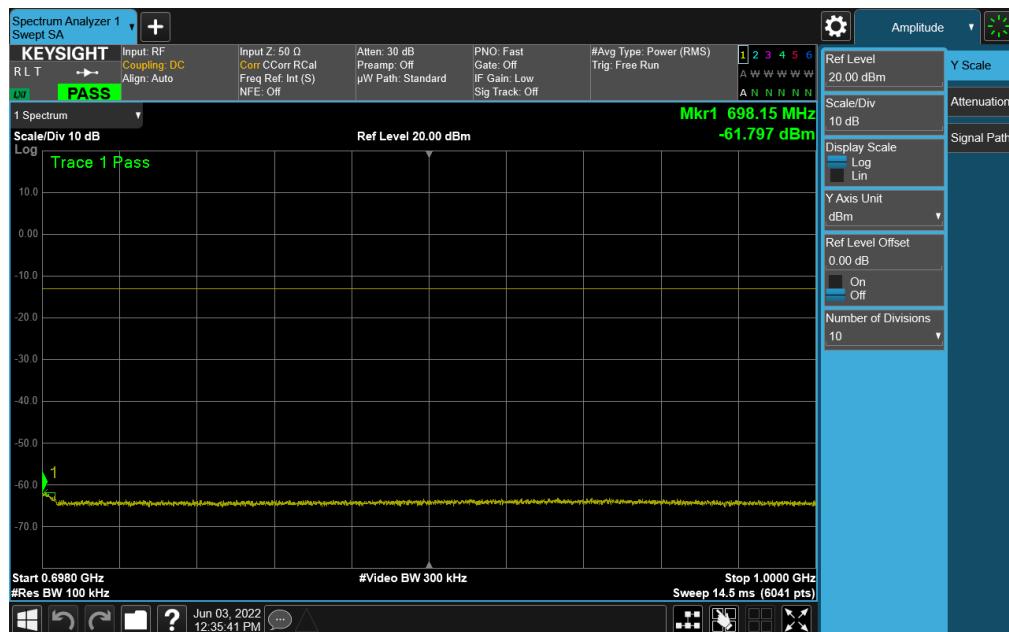


Plot 7-179. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	e element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 112 of 315	

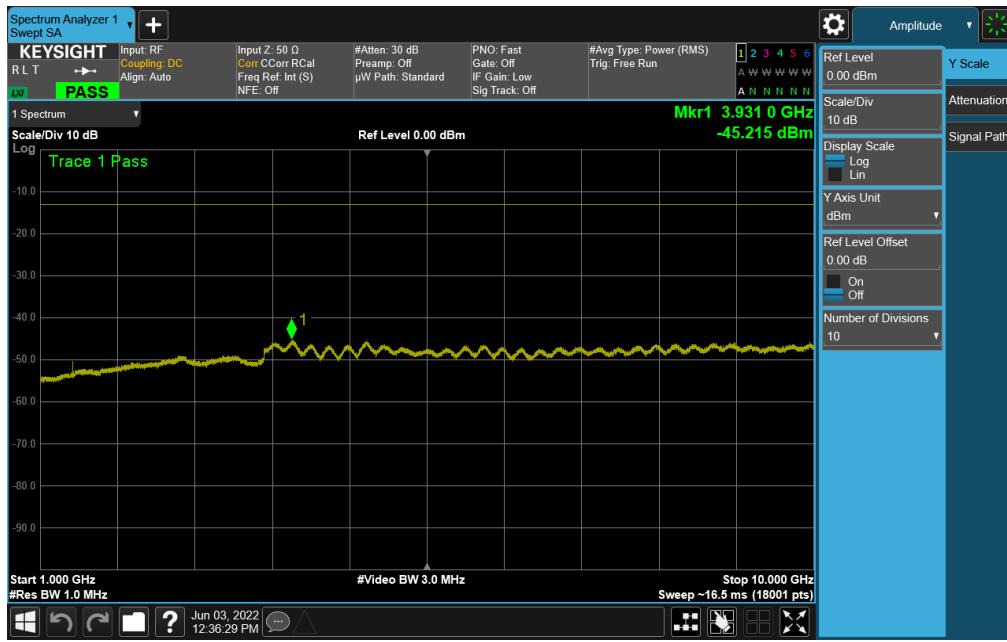


Plot 7-180. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-181. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 113 of 315



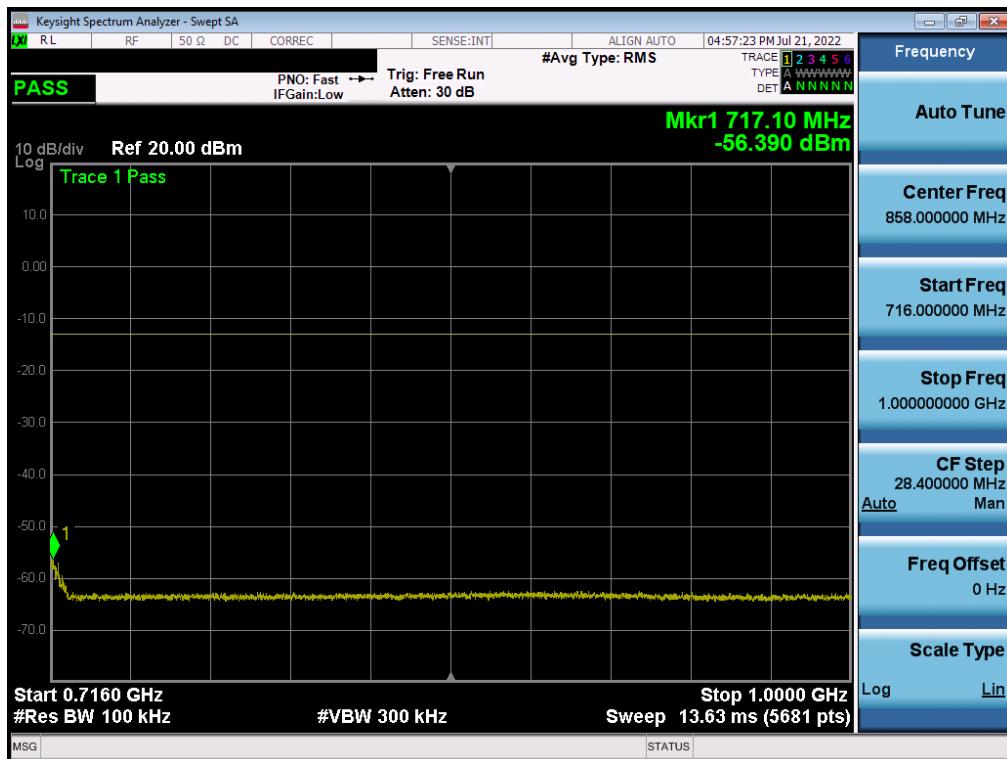
Plot 7-182. Conducted Spurious Plot (NR Band n71 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 114 of 315	

NR Band n12

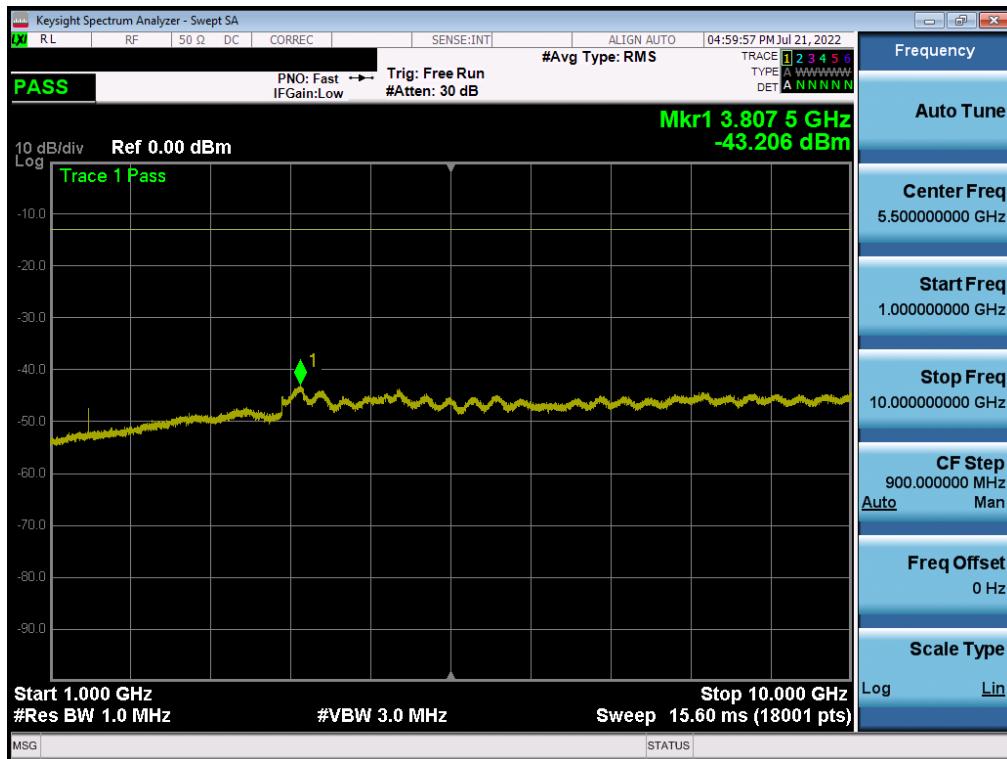


Plot 7-183. Conducted Spurious Plot (NR Band n12 -15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

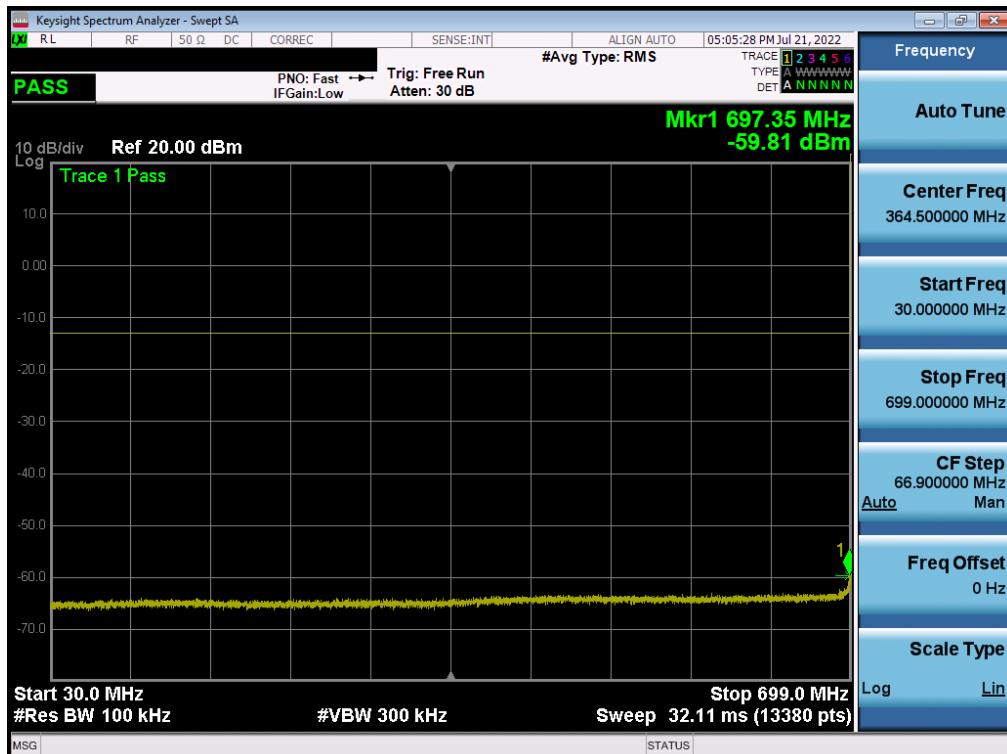


Plot 7-184. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 115 of 315

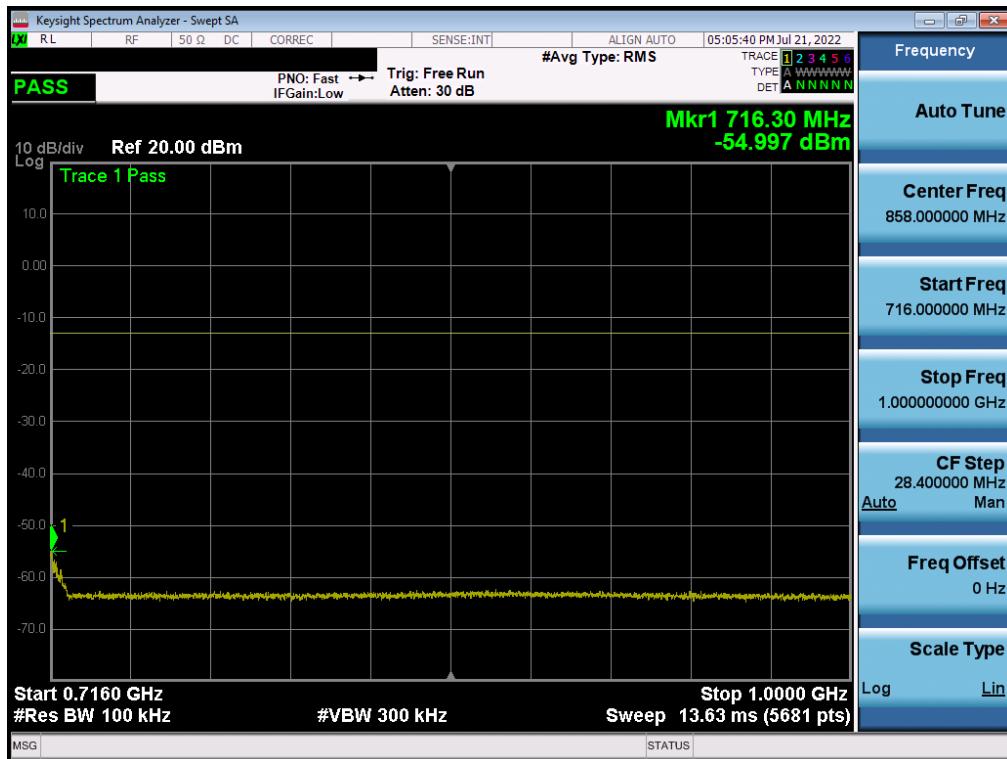


Plot 7-185. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

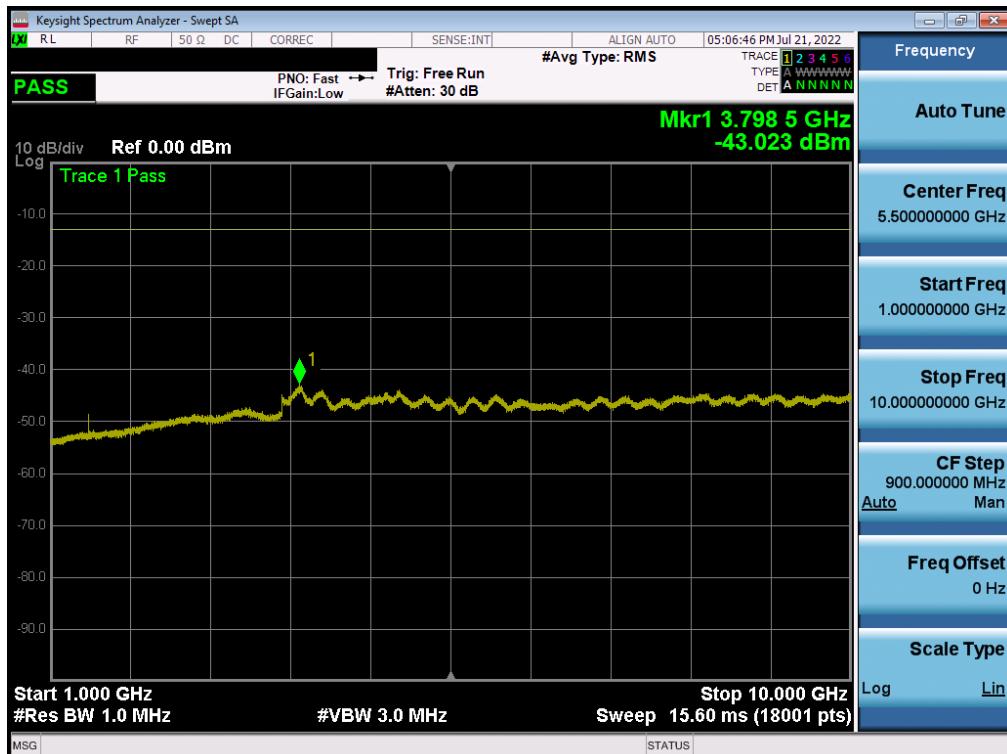


Plot 7-186. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 116 of 315

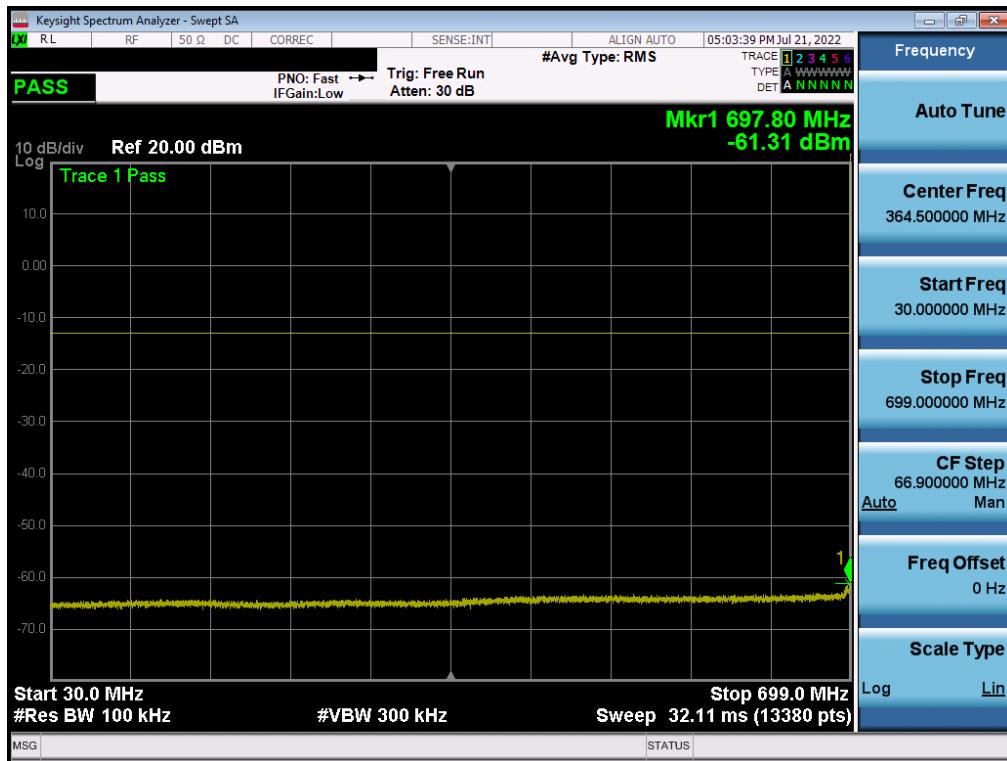


Plot 7-187. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

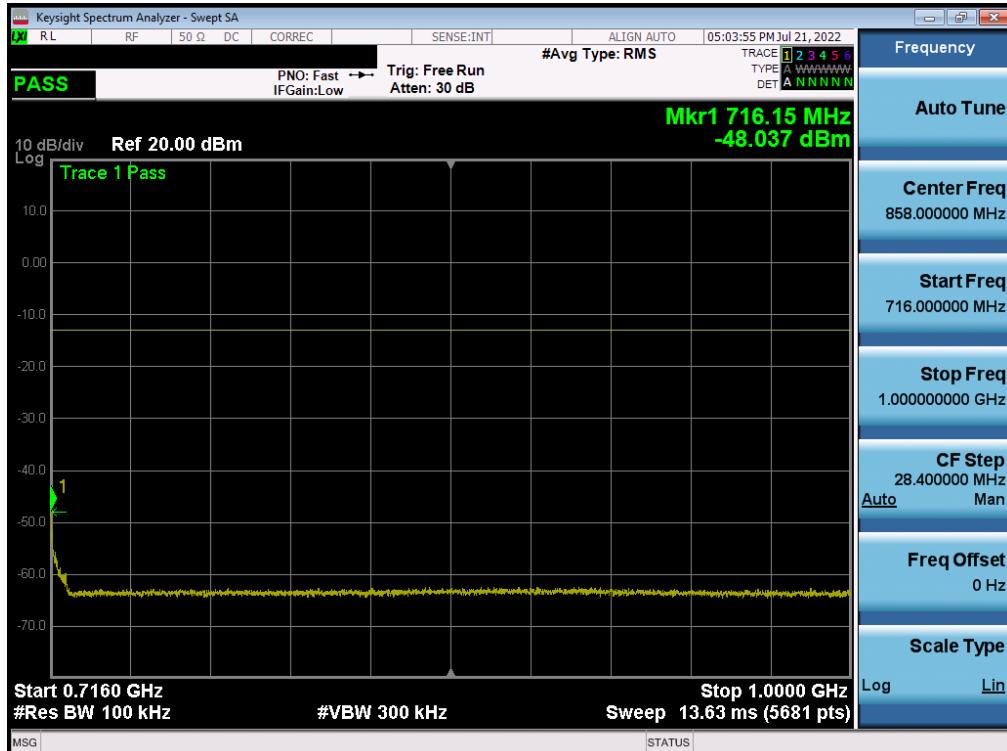


Plot 7-188. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 117 of 315

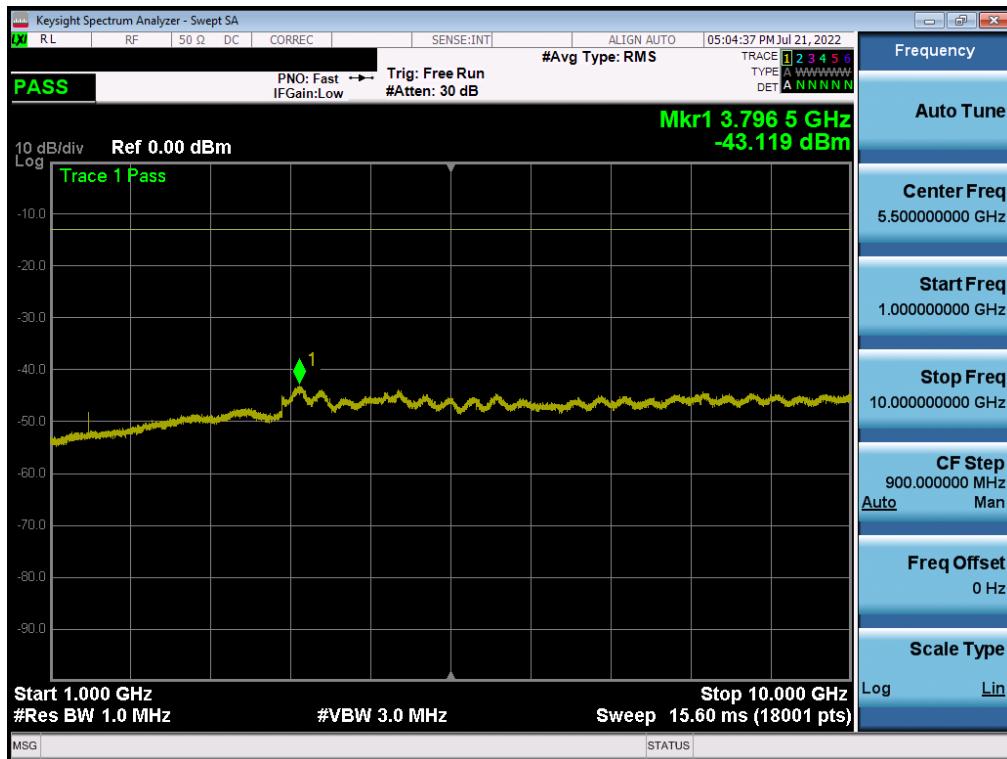


Plot 7-189. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-190. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 118 of 315	



Plot 7-191. Conducted Spurious Plot (NR Band n12 - 15.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 119 of 315

Uplink CA LTE Band 66B/C

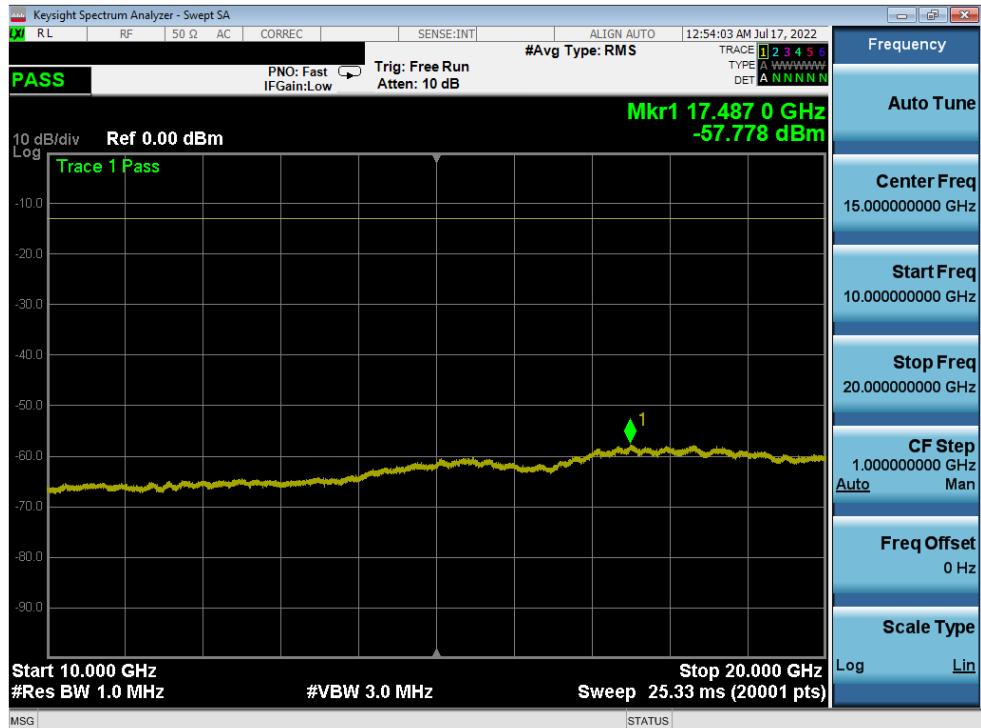


Plot 7-192. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Low Channel)



Plot 7-193. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 120 of 315

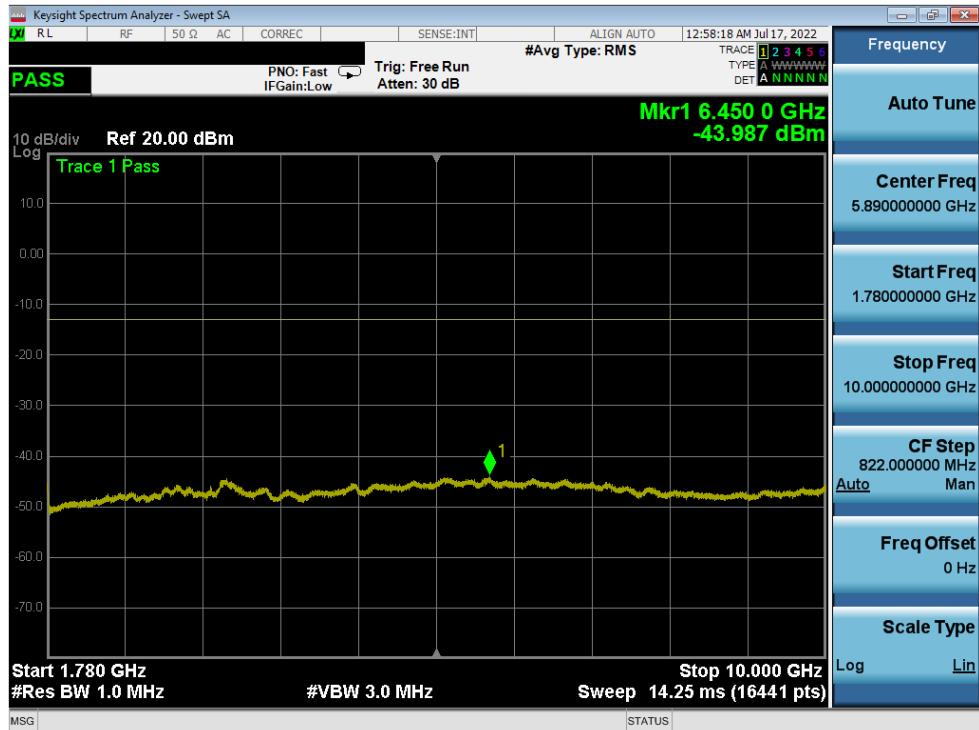


Plot 7-194. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Low Channel)

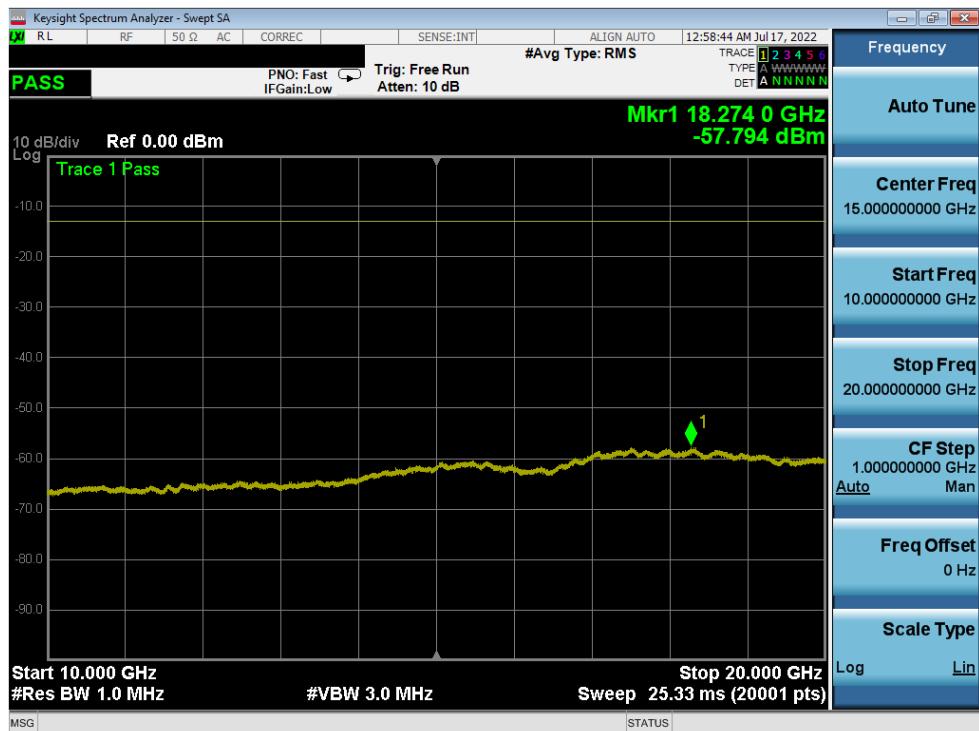


Plot 7-195. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-196. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Mid Channel)

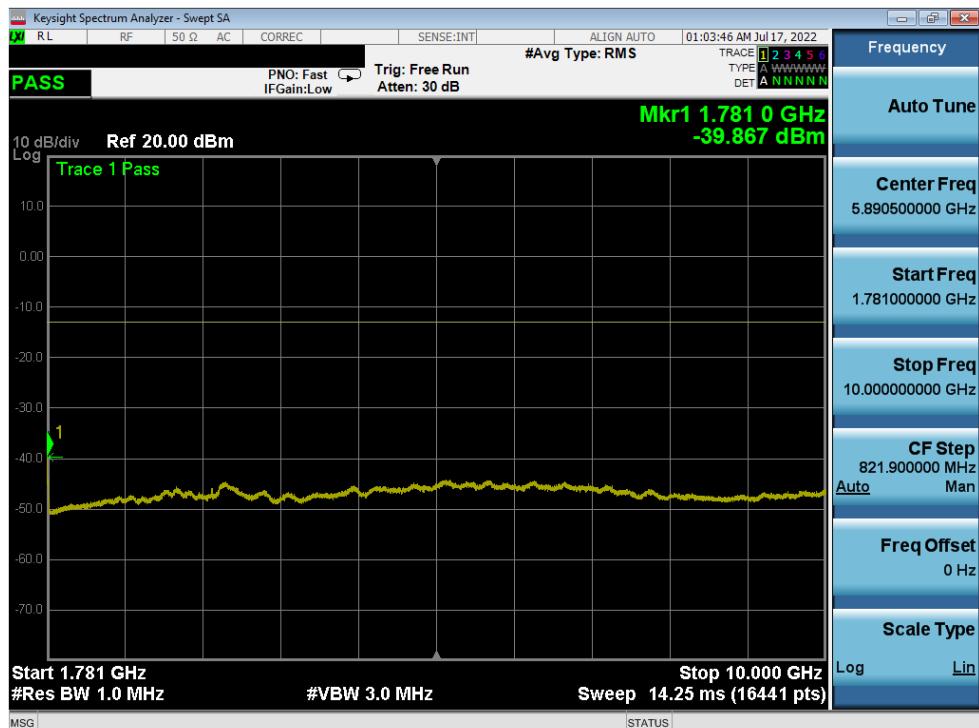


Plot 7-197. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-198. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – High Channel)



Plot 7-199. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 123 of 315	



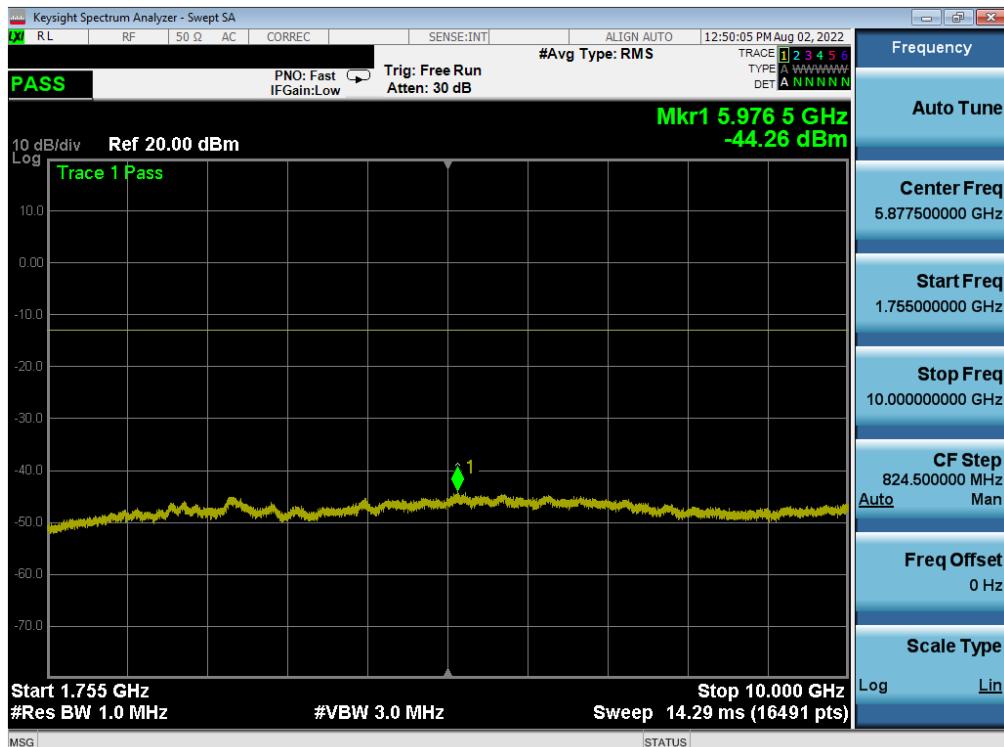
Plot 7-200. Conducted Spurious Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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WCDMA AWS

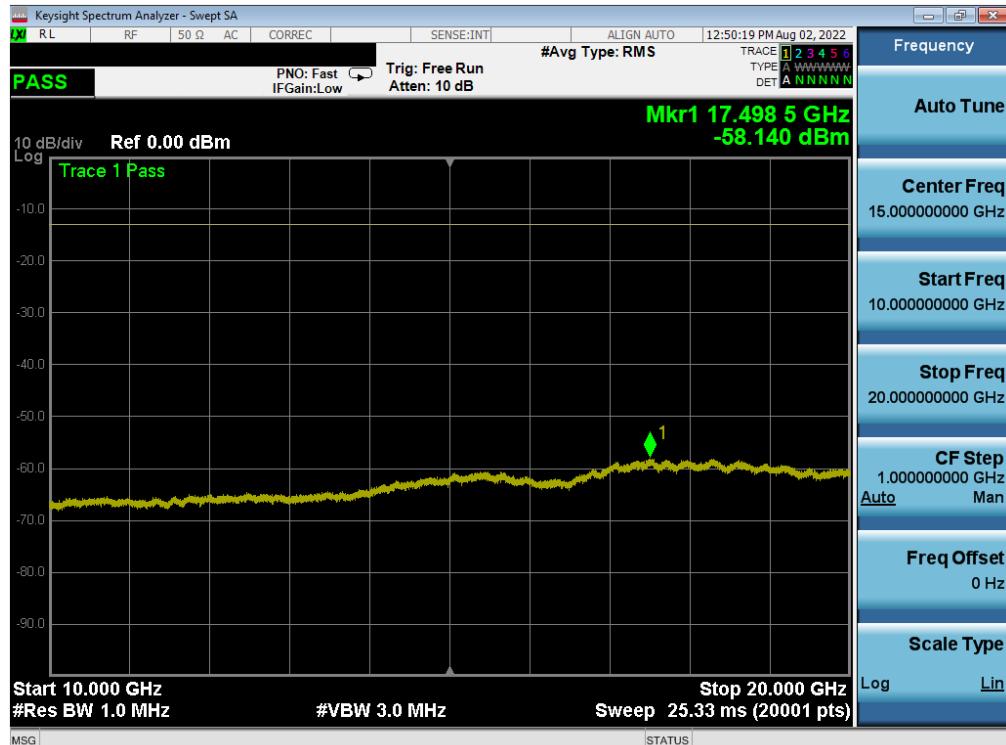


Plot 7-201. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)

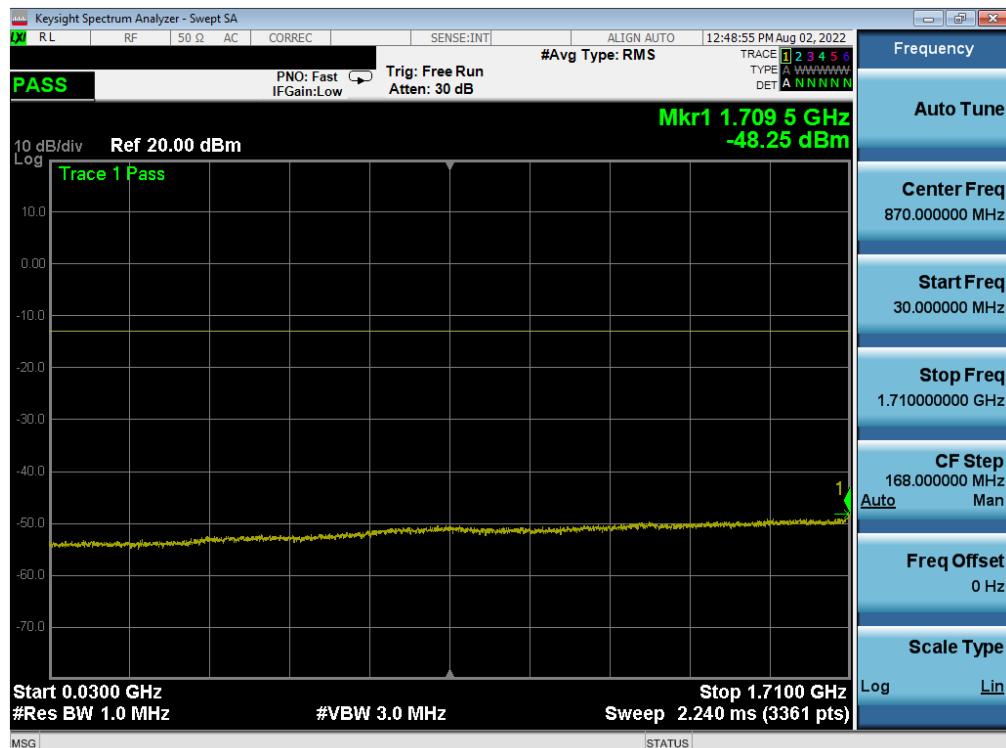


Plot 7-202. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 125 of 315



Plot 7-203. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)

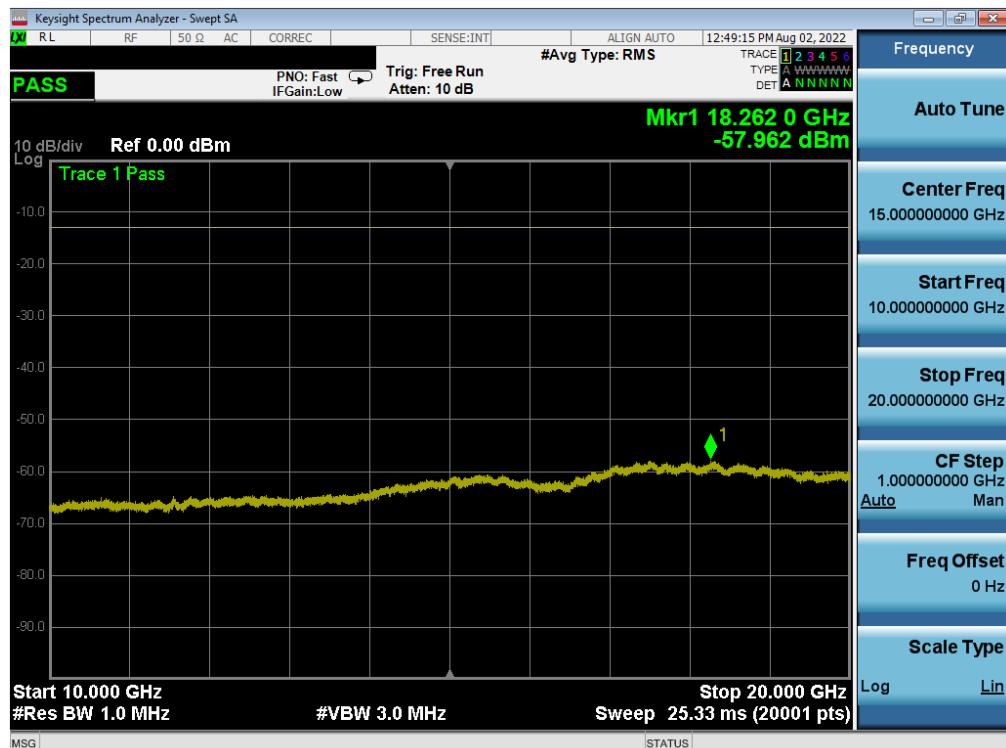


Plot 7-204. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 126 of 315	



Plot 7-205. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

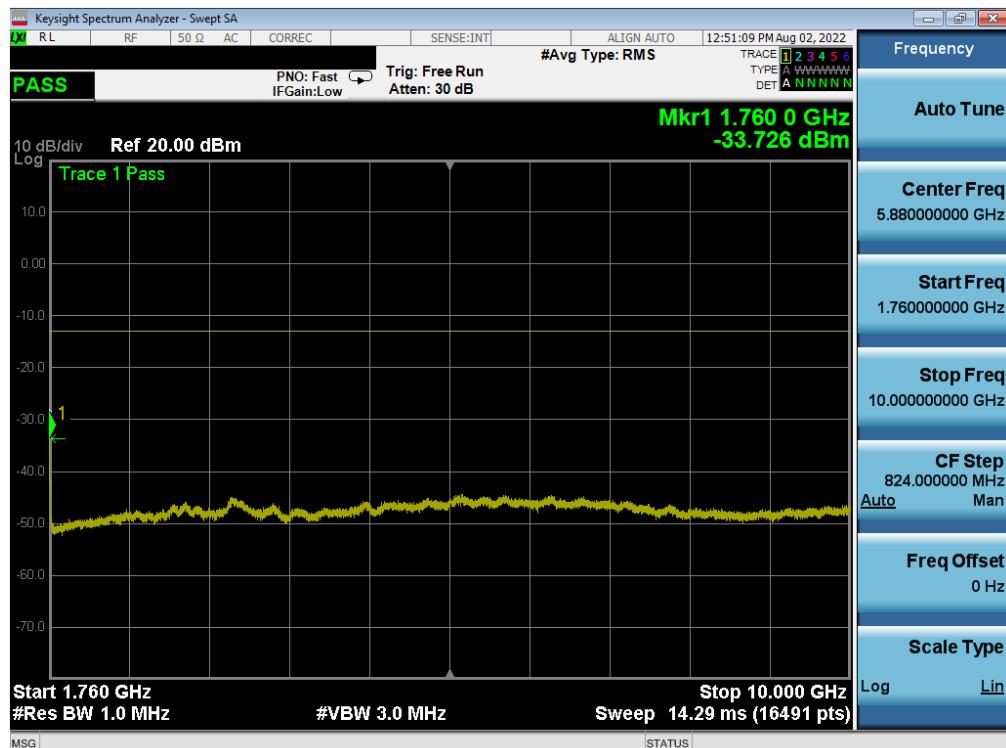


Plot 7-206. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 127 of 315	

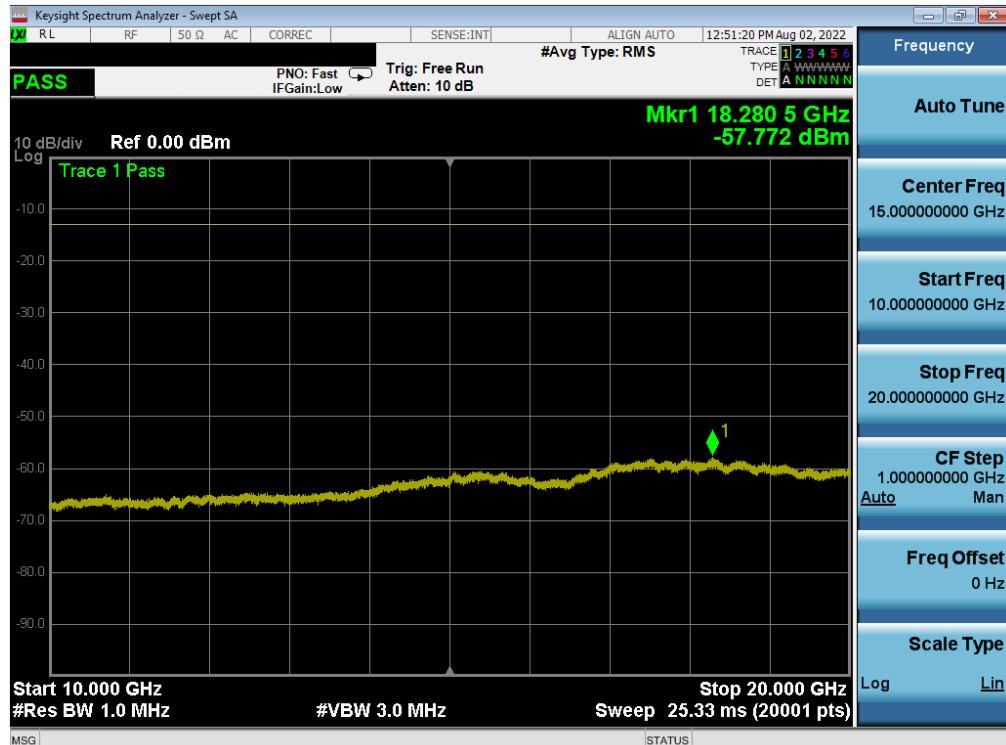


Plot 7-207. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)



Plot 7-208. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-209. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 129 of 315

7.4 Band Edge Emissions at Antenna Terminal

§2.1051, §27.53

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 its maximum duty cycle, 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. RBW $\geq 1\%$ of the emission bandwidth
4. VBW $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/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.

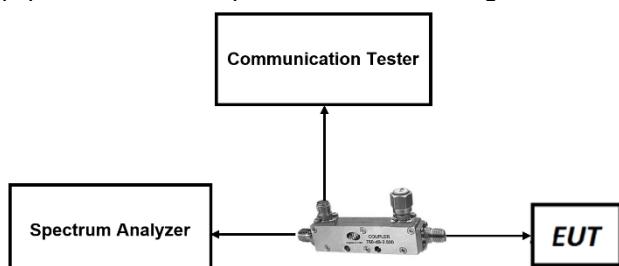


Figure 7-3. Test Instrument & Measurement Setup

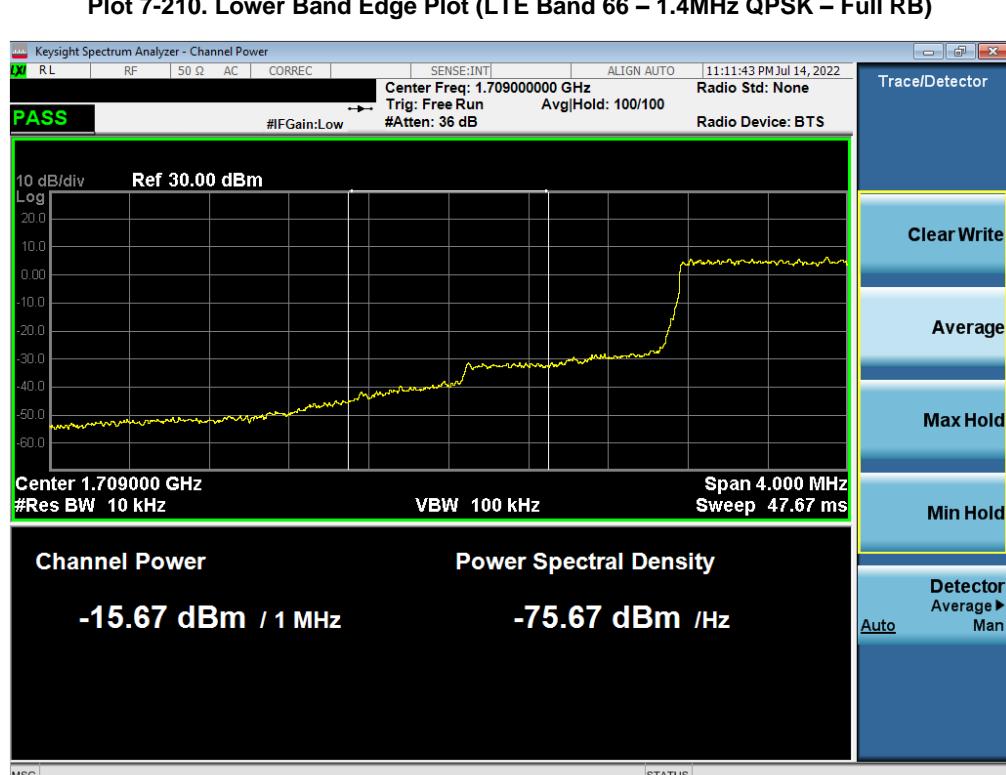
FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

1. Per 27.53(h) 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. Per 27.53(g) for operations in the 663 - 698 MHz and 698 – 746MHz bands, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
3. Per 27.53(c)(5) for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
4. For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC limit per 27.53(c)(4) is $65 + 10 \log_{10}(P) = -35\text{dBm}$ in a 6.25kHz bandwidth.
5. 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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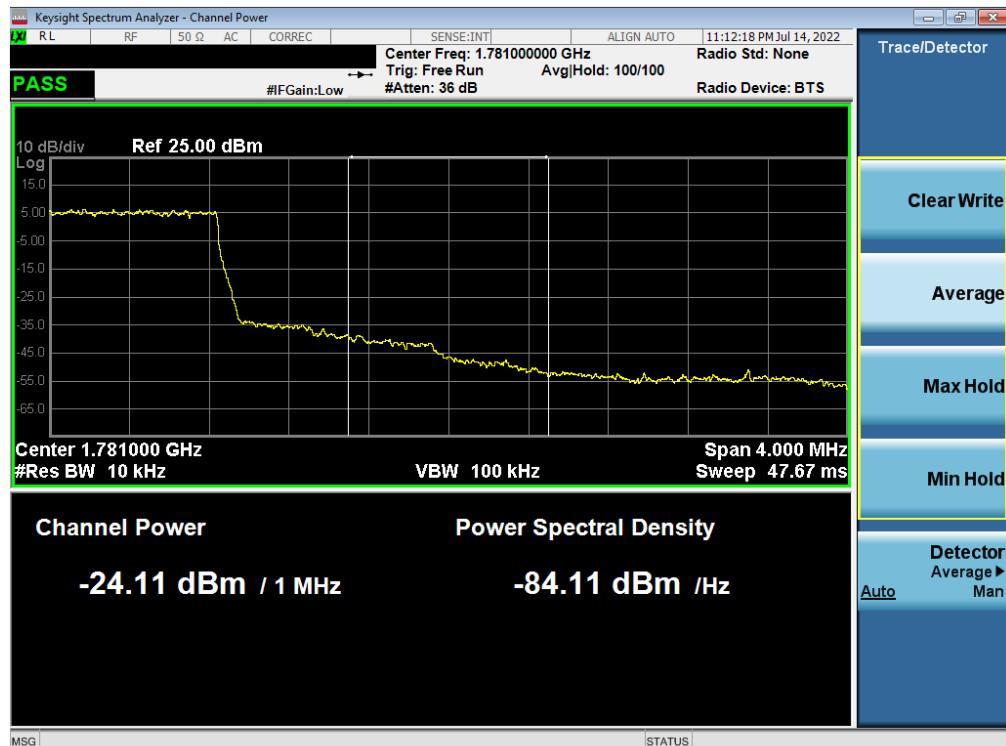
LTE Band 66



FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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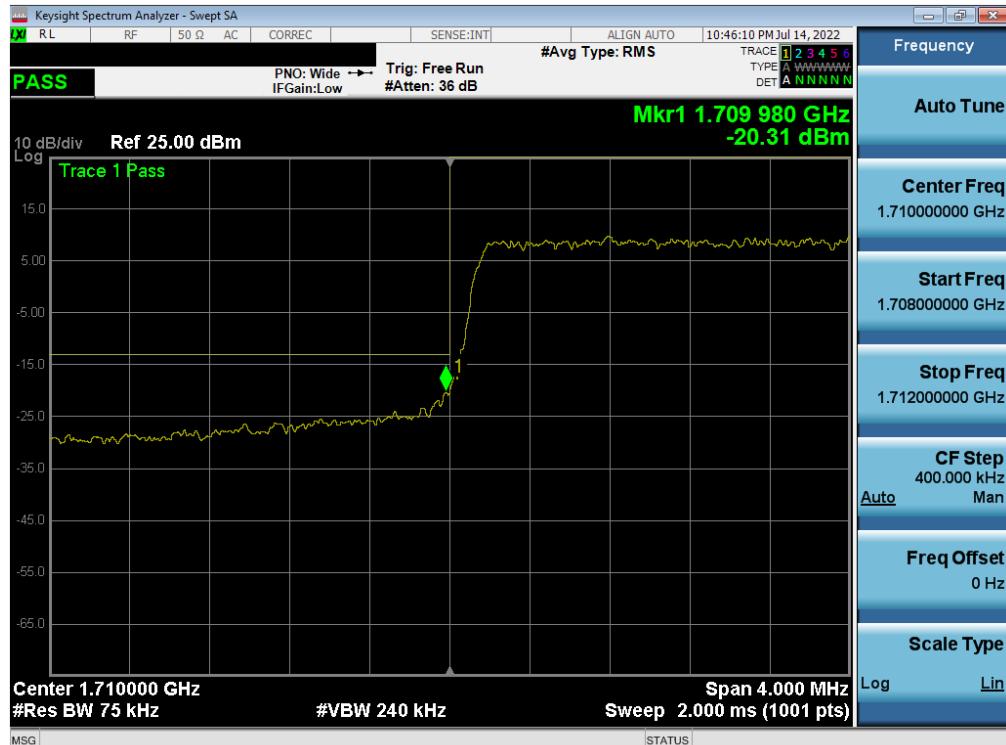


Plot 7-212. Upper Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB)

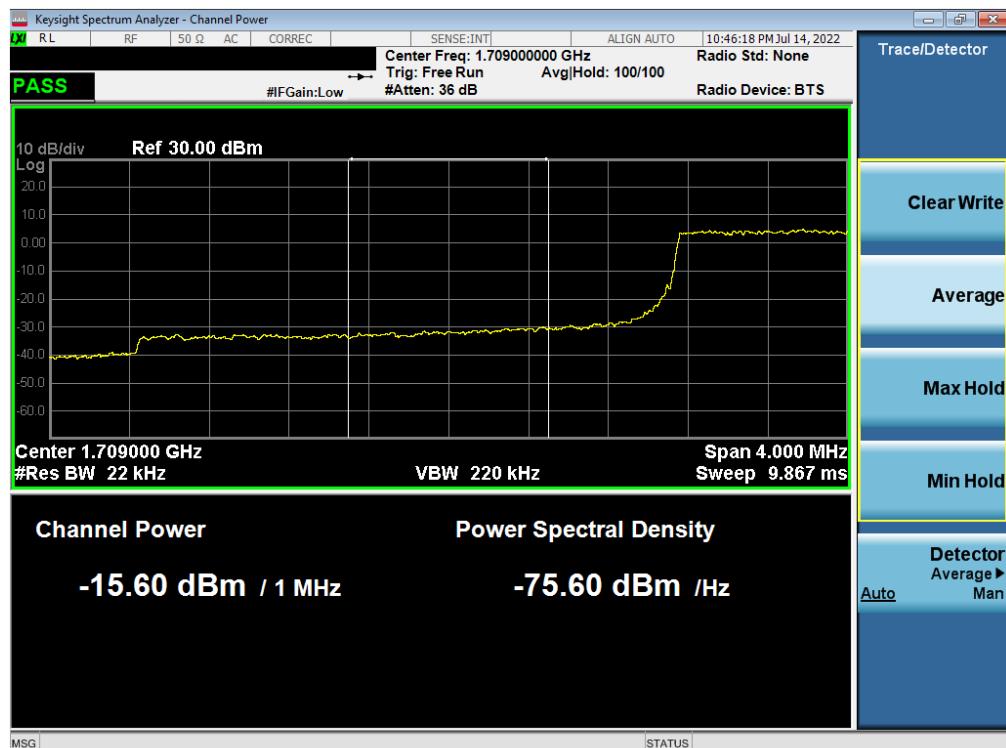


Plot 7-213. Upper Extended Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-214. Lower Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB)

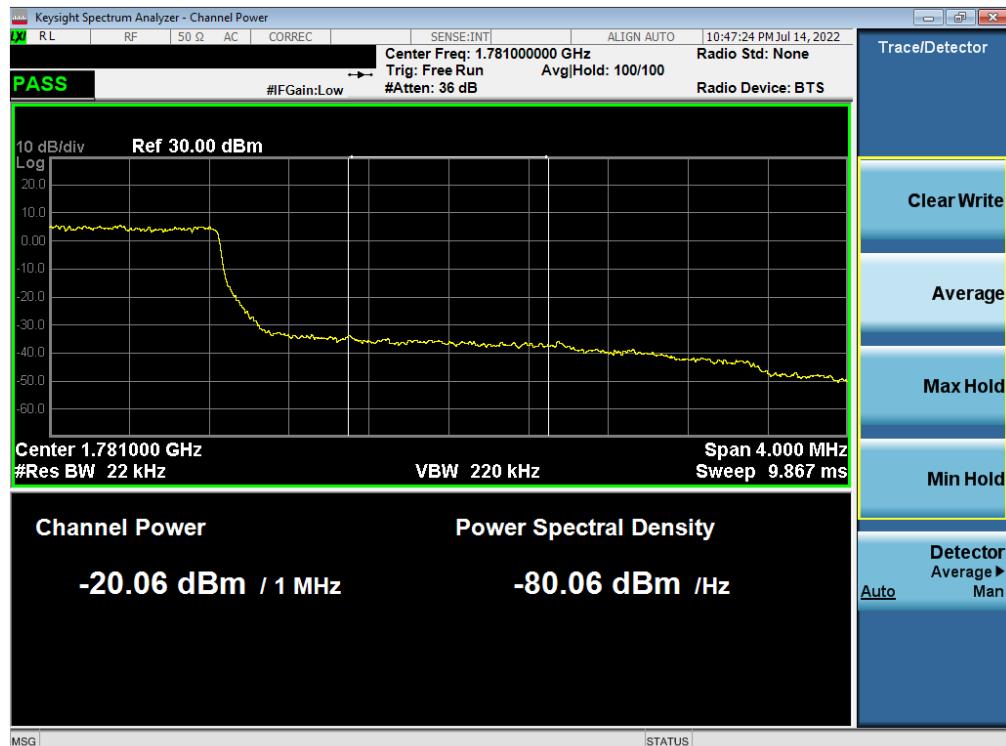


Plot 7-215. Lower Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device		Page 134 of 315

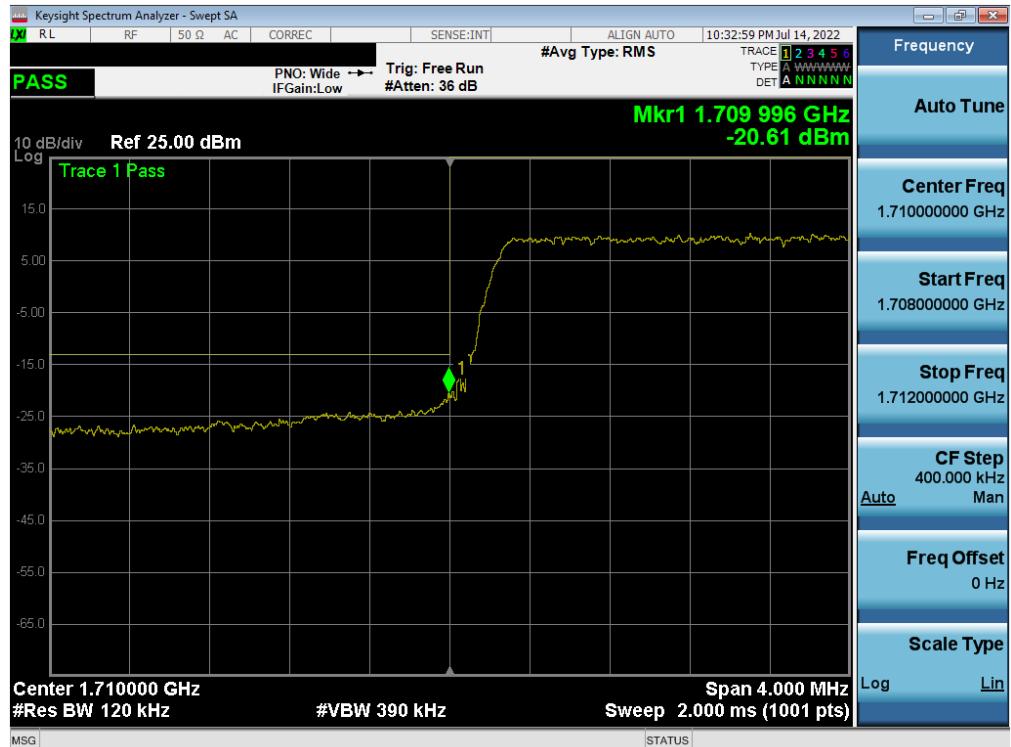


Plot 7-216. Upper Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB)

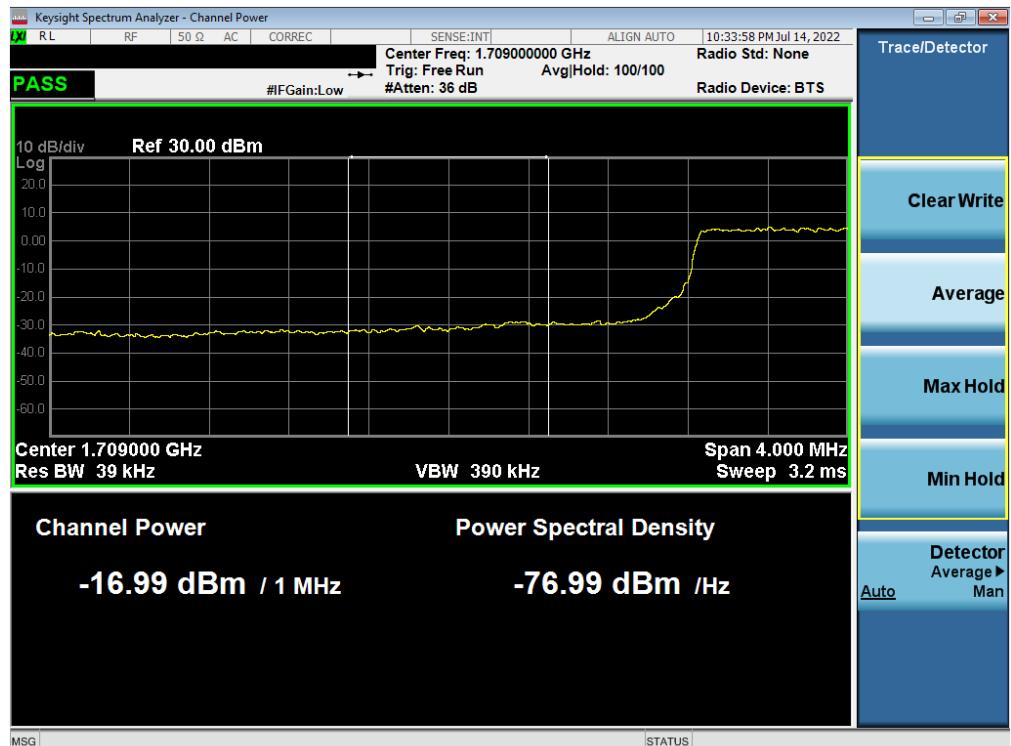


Plot 7-217. Upper Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 135 of 315	



Plot 7-218. Lower Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB)



Channel Power

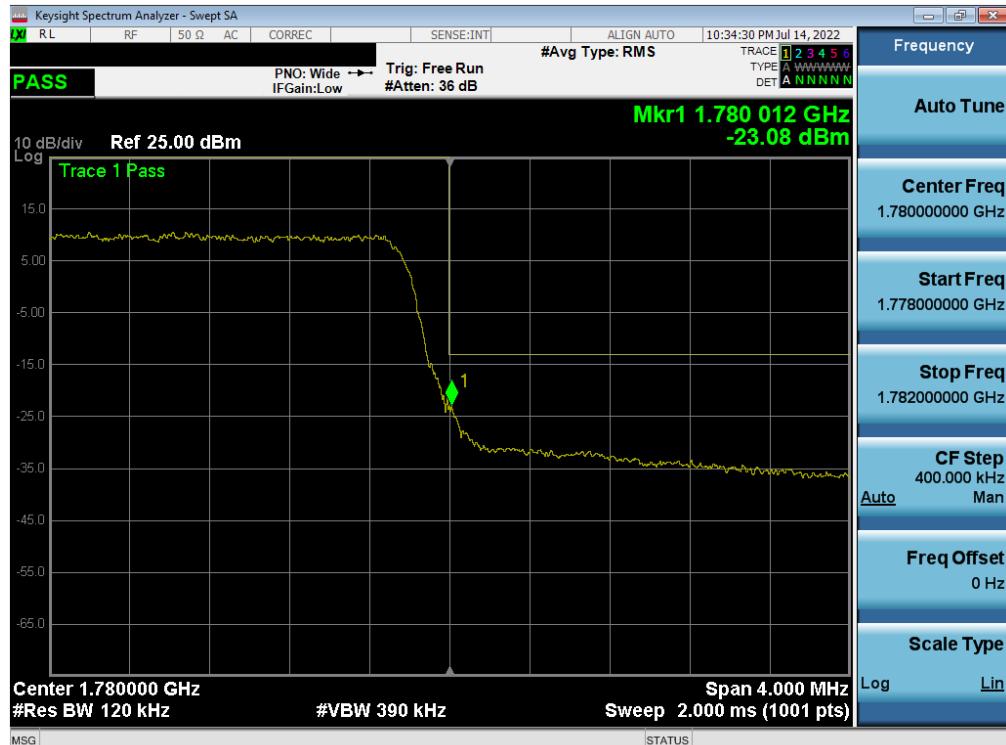
Power Spectral Density

-16.99 dBm / 1 MHz

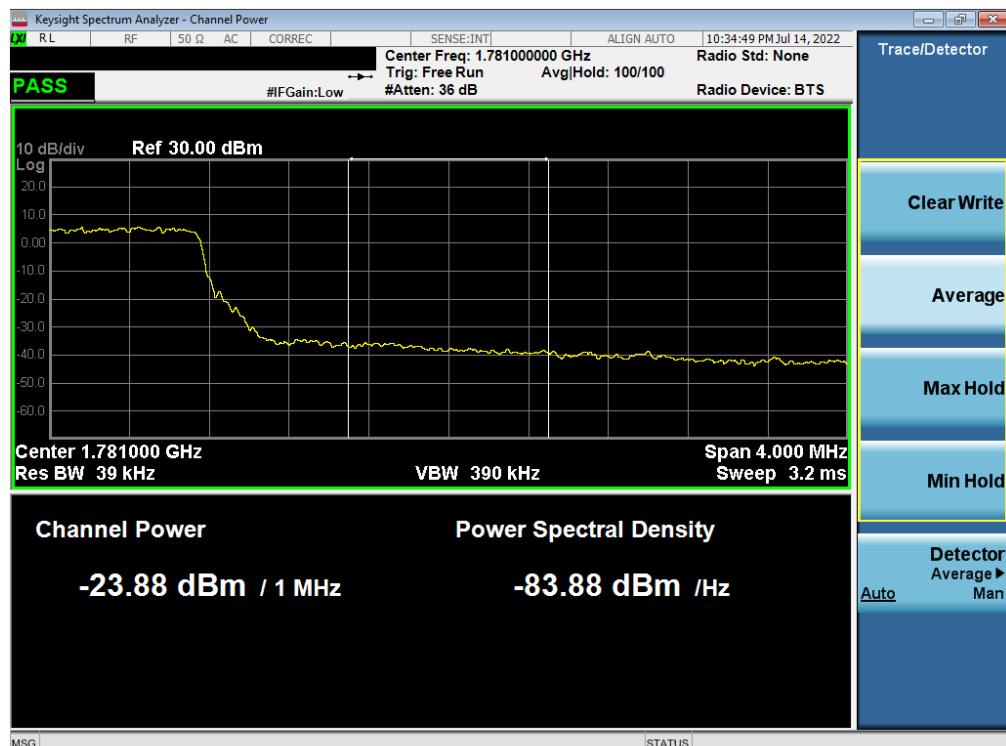
-76.99 dBm /Hz

Plot 7-219. Lower Extended Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 136 of 315	



Plot 7-220. Upper Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB)



Plot 7-221. Upper Extended Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB)

FCC ID: BCGA2757	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 137 of 315	