7.4 Band Edge Emissions at Antenna Terminal

§2.1051 §22.917(a) §24.238(a) §27.53(c) §27.53(g) §27.53(h) §27.53(m) RSS-130(4.6) RSS-132(5.5) RSS-133(6.5) RSS-139(6.6) RSS-199(4.5)

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.

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

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

Test Procedure Used

KDB 971168 D01 v03 – 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 ≥ 1% of the emission bandwidth
4. VBW ≥ 3 x RBW
5. Detector = RMS
6. Number of sweep points ≥ 2 x 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.

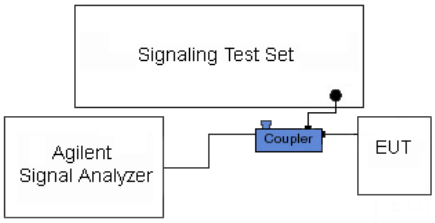

Figure 7-3. Test Instrument & Measurement Setup

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Test Notes

Per 22.917(b) 24.238(a) 27.53(h) RSS-130(4.6) RSS-132(5.5) RSS-133(6.5) RSS-139(6.5) RSS-199(4.5) 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.

Per 27.53(g) RSS-130(4.6) for operations in the 698-746 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.

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.

For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC limit per 27.53(c)(4) is 65 + $10\log_{10}(P)$ = -35dBm in a 6.25kHz bandwidth.

Per 27.53(m) RSS-199(4.5) for operations in the BRS/EBS bands, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.

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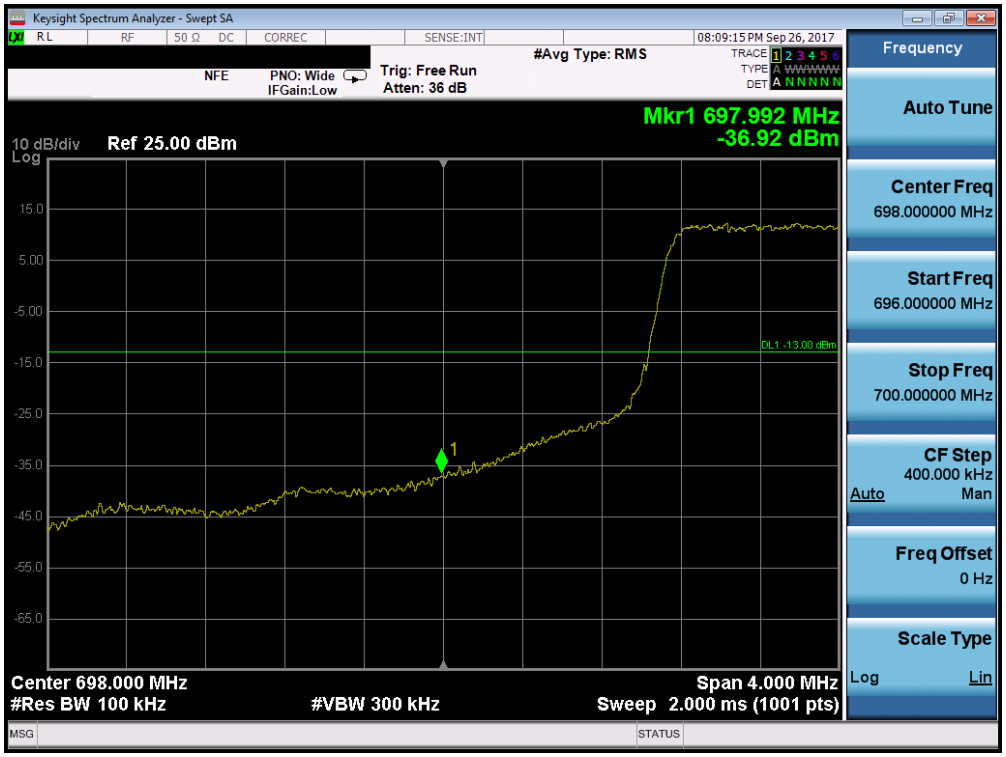
Band 12



Plot 7-120. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

Plot 7-121. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

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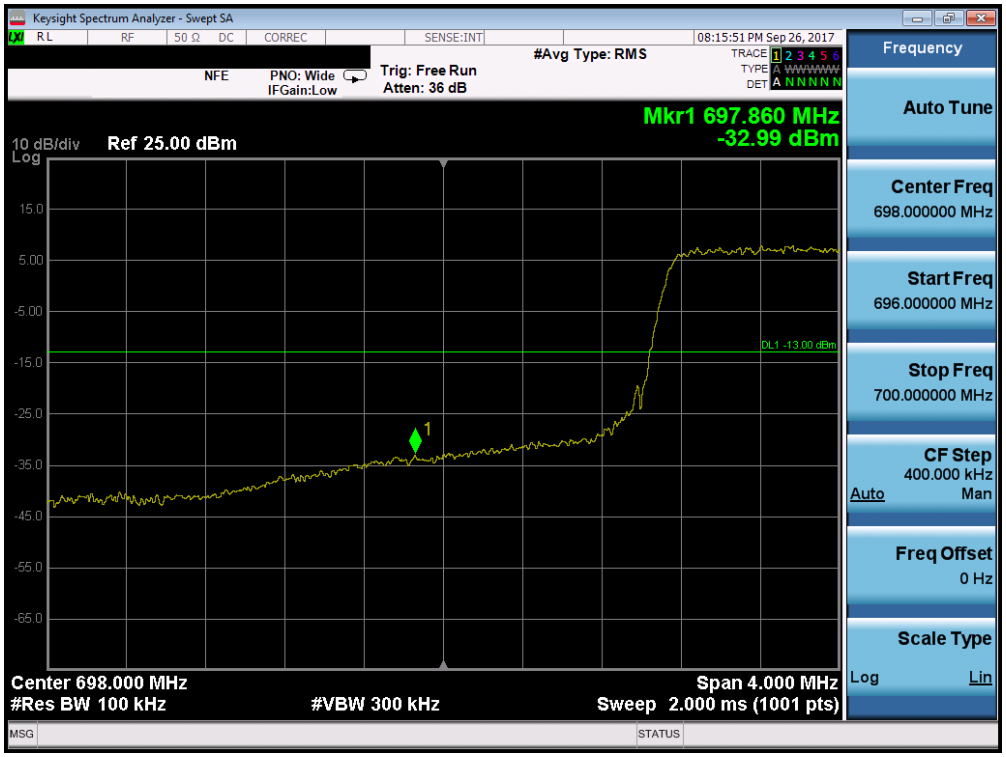
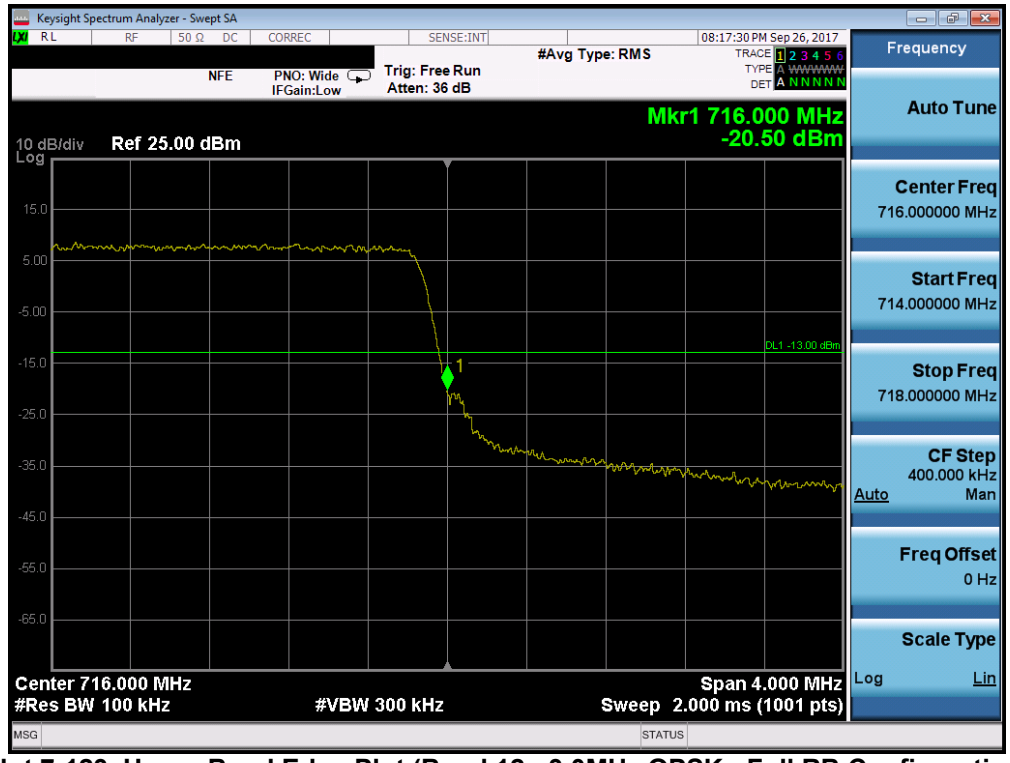
Band 12



Plot 7-122. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-123. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

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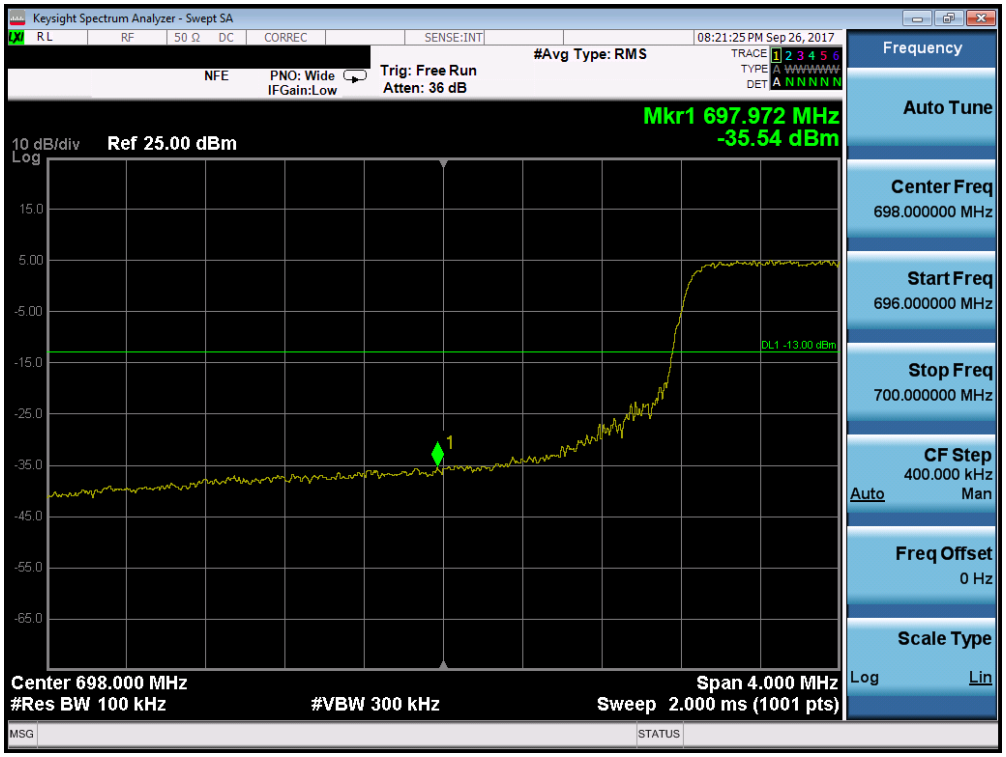
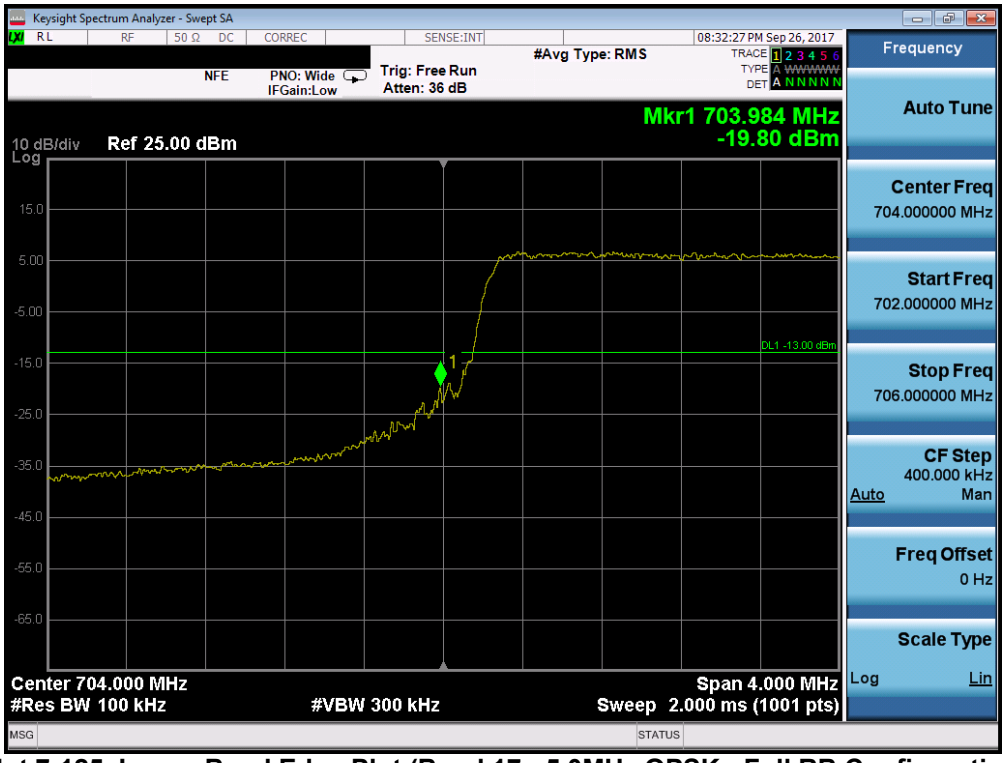
Band 12/17



Plot 7-124. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-125. Lower Band Edge Plot (Band 17 - 5.0MHz QPSK - Full RB Configuration)

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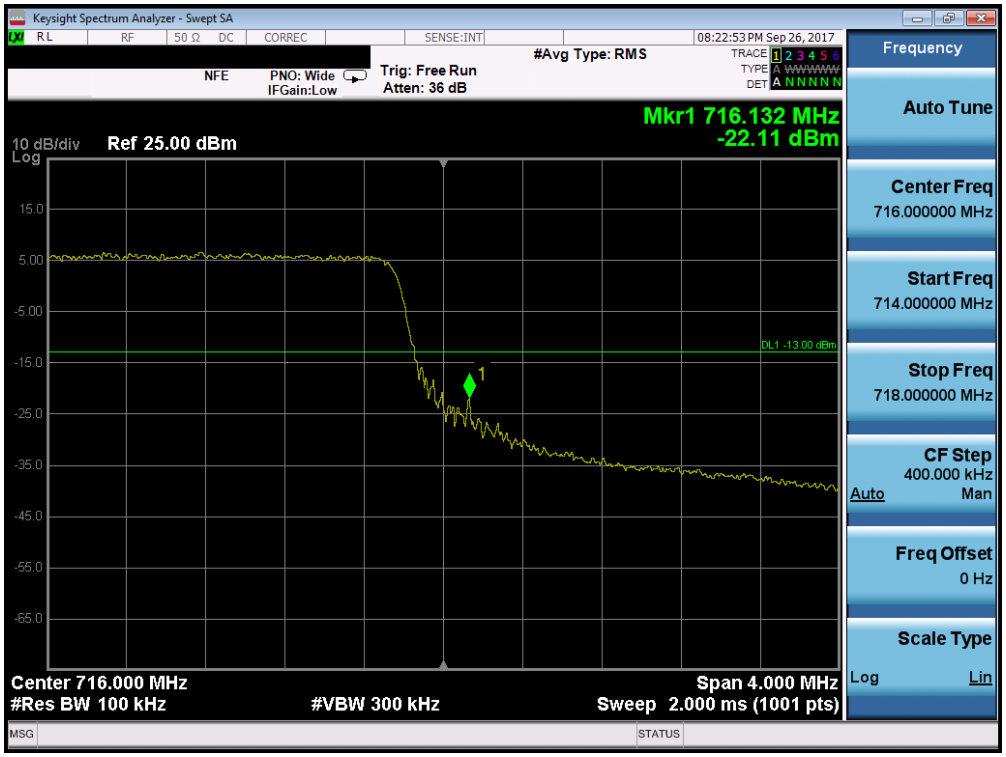

Plot 7-126. Upper Band Edge Plot (Band 12/17 - 5.0MHz QPSK - Full RB Configuration)

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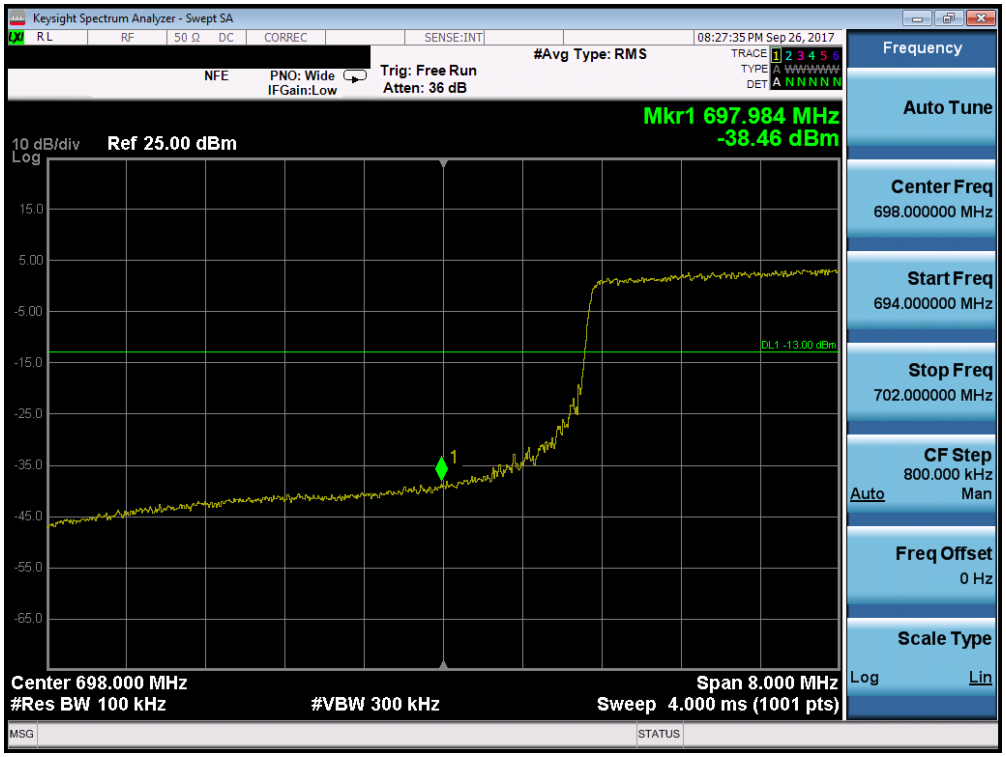
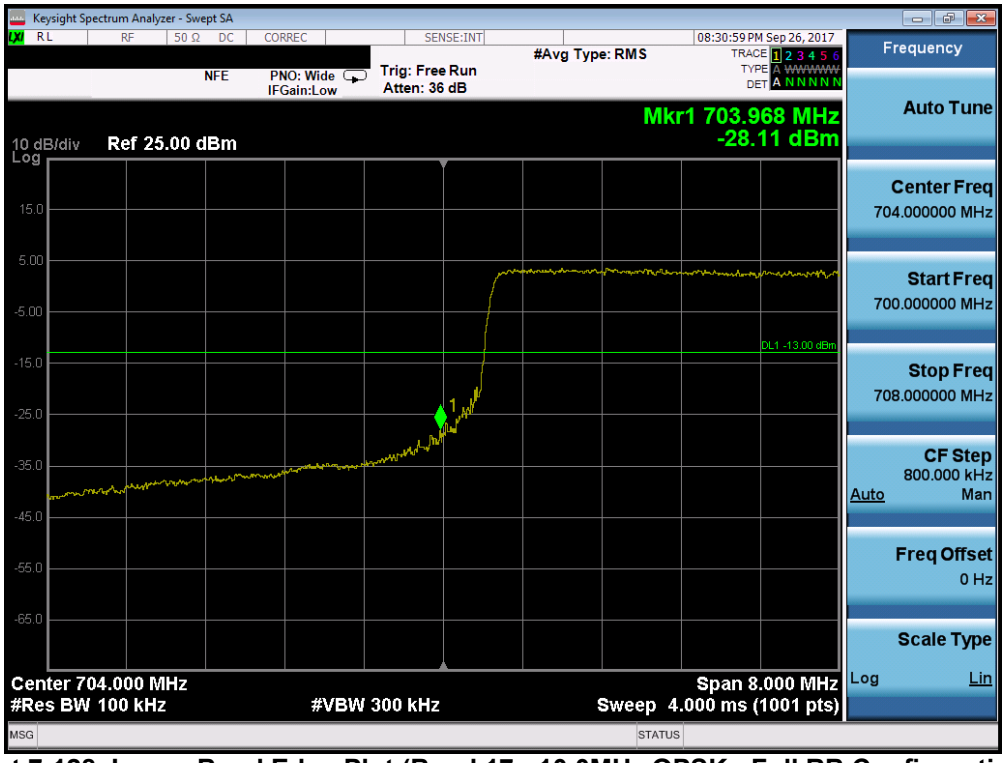
Band 12/17



Plot 7-127. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-128. Lower Band Edge Plot (Band 17 - 10.0MHz QPSK - Full RB Configuration)

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Plot 7-129. Upper Band Edge Plot (Band 12/17 - 10.0MHz QPSK - Full RB Configuration)

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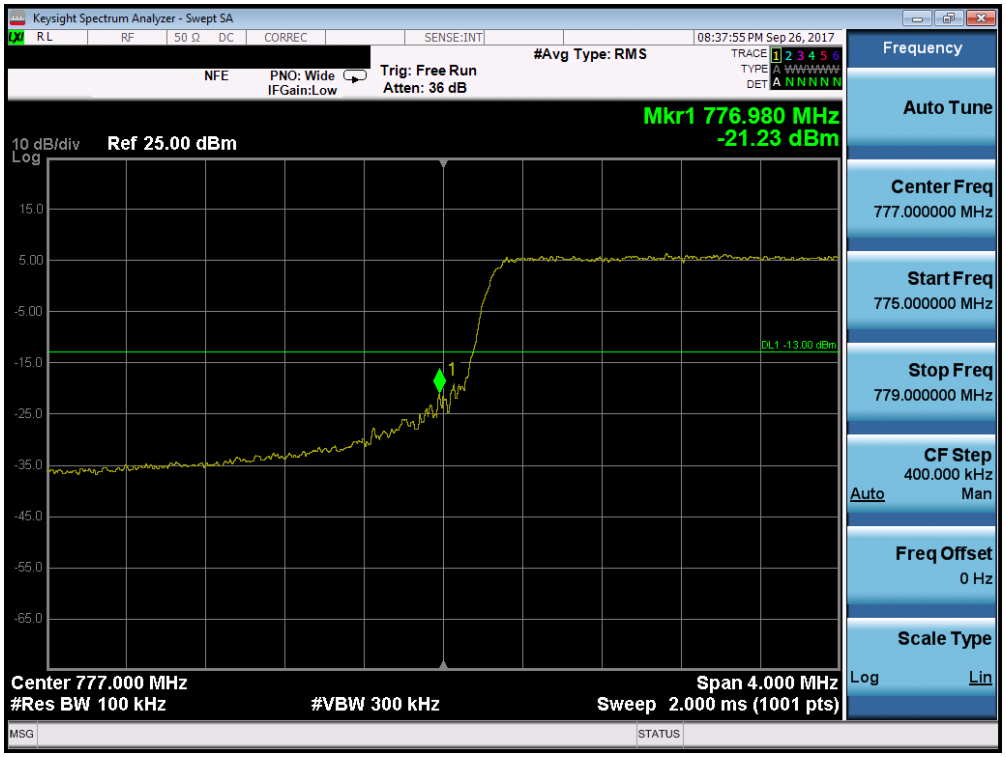
Band 13



Plot 7-130. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

Plot 7-131. Lower Extended Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

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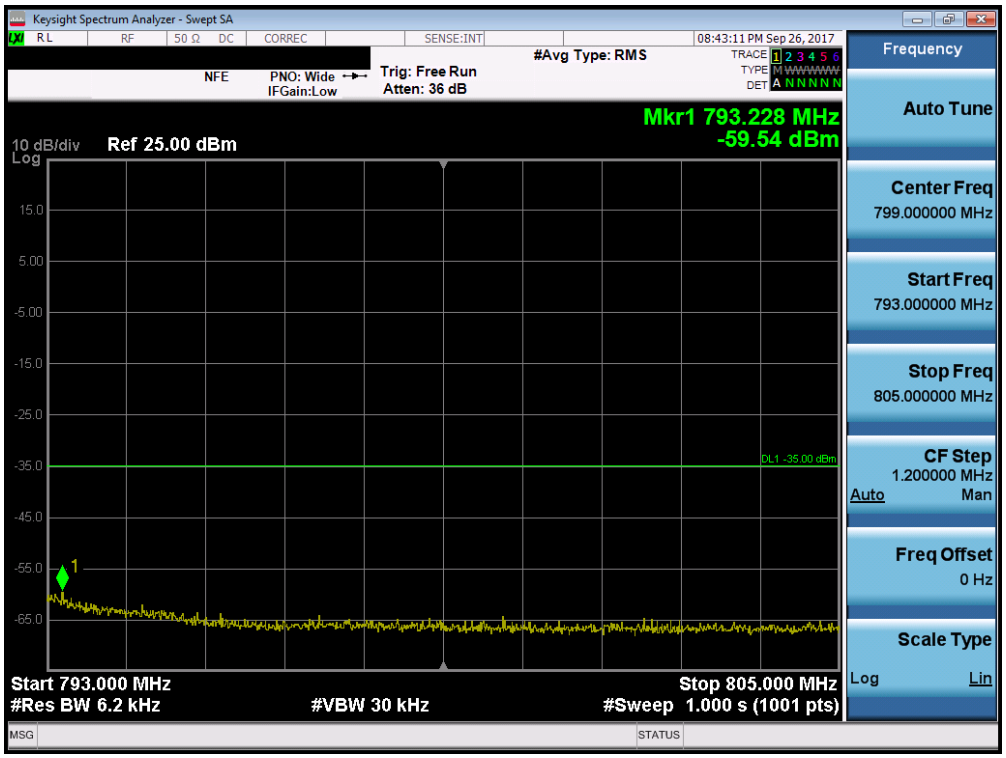
Plot 7-132. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-133. Upper Extended Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

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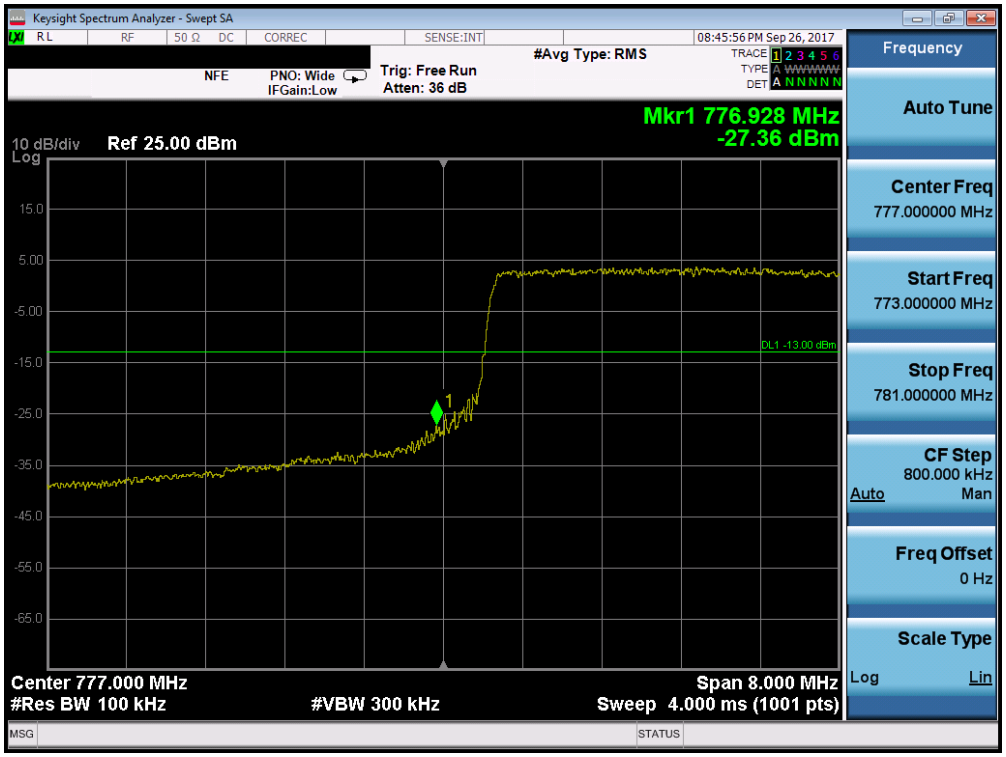
Band 13



Plot 7-134. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

Plot 7-135. Lower Extended Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

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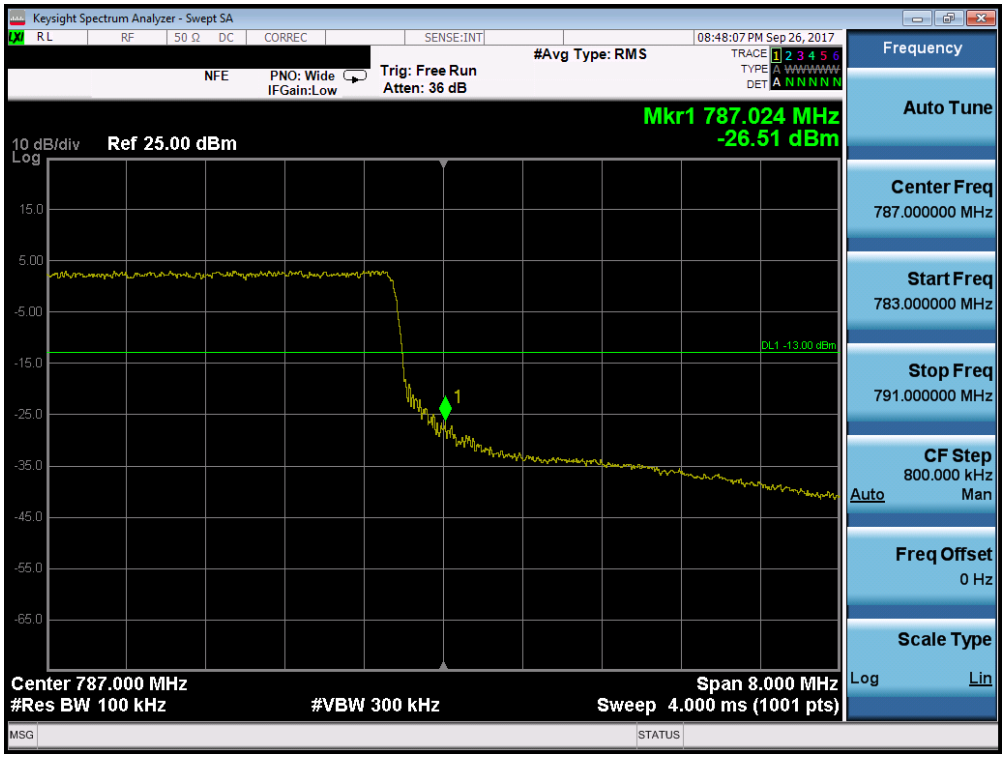
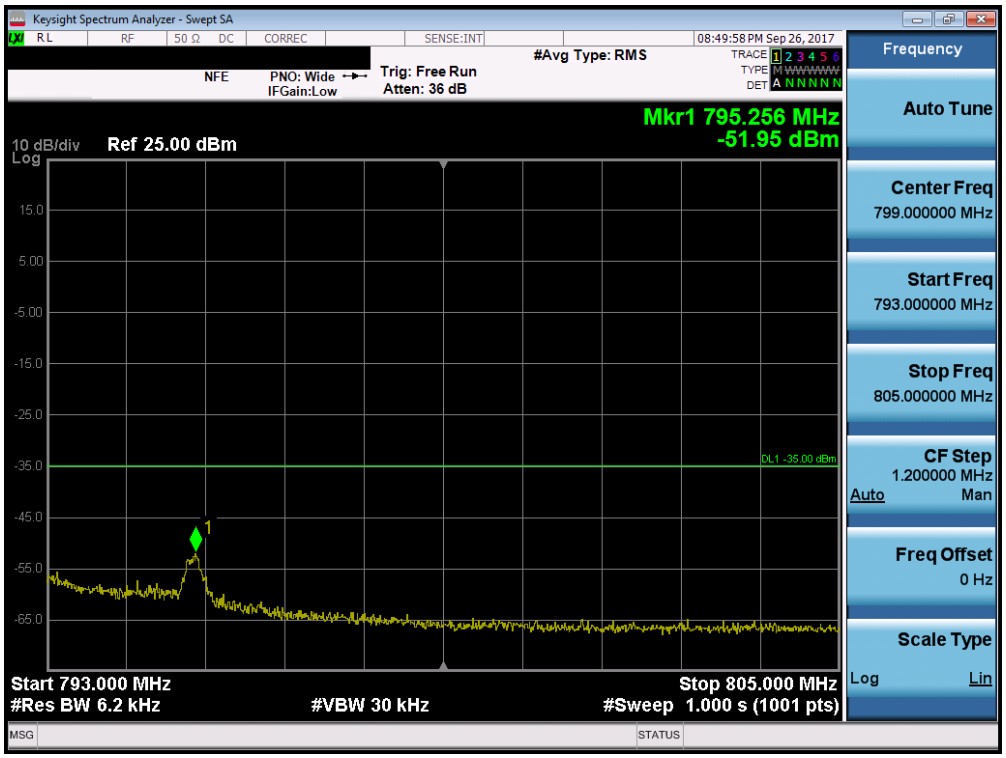


Plot 7-136. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-137. Upper Extended Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

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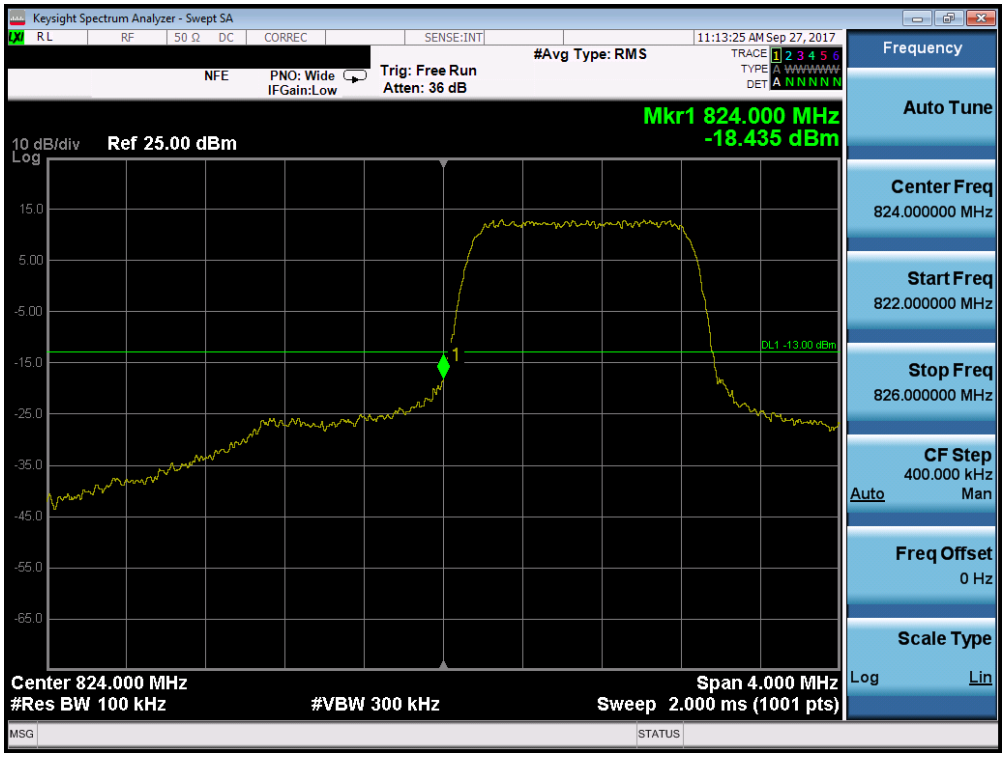
Band 26/5



Plot 7-138. Lower Band Edge Plot (Band 26/5 – 1.4MHz QPSK - Full RB Configuration)

Plot 7-139. Upper Band Edge Plot (Band 26/5 - 1.MHz QPSK - Full RB Configuration)

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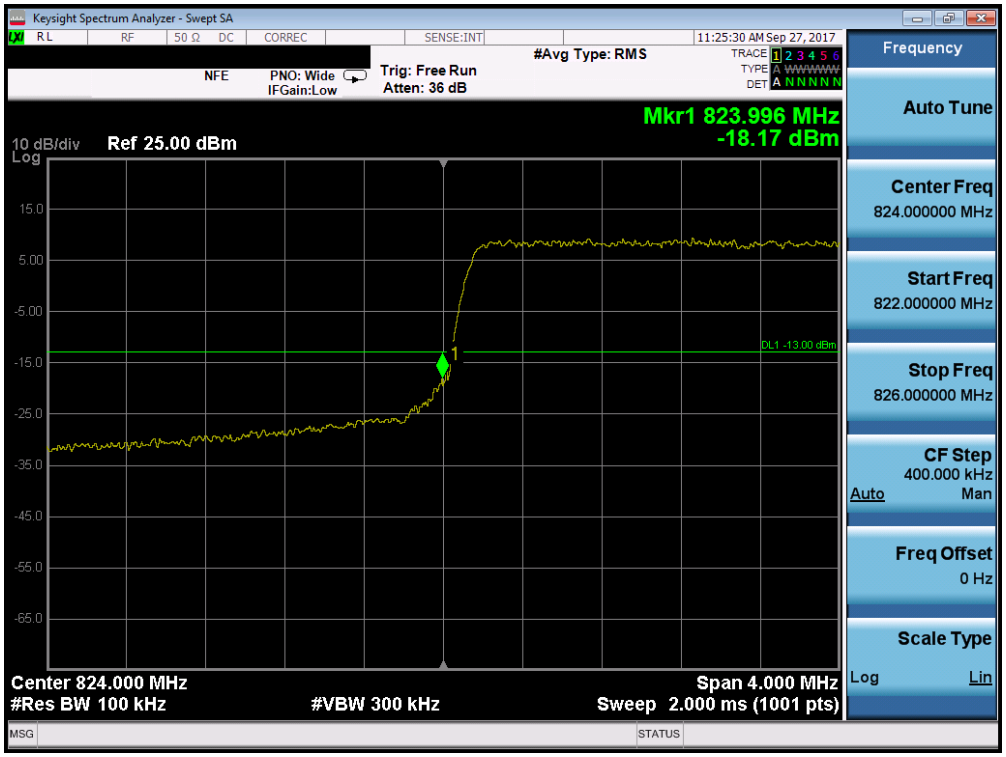
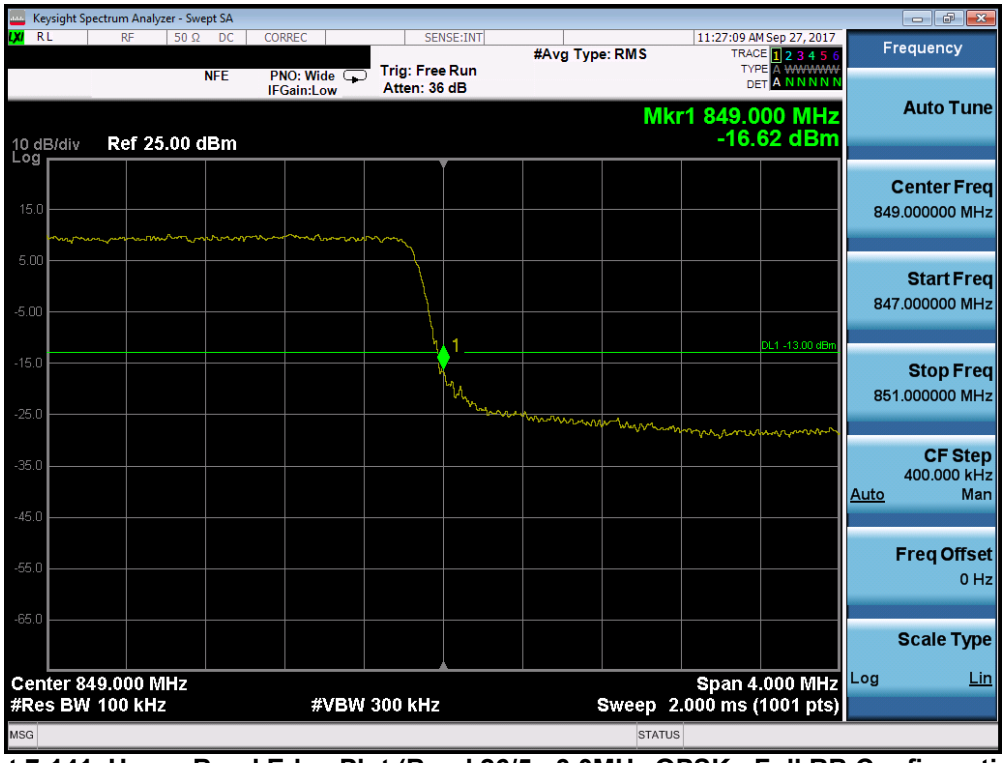
Band 26/5



Plot 7-140. Lower Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-141. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

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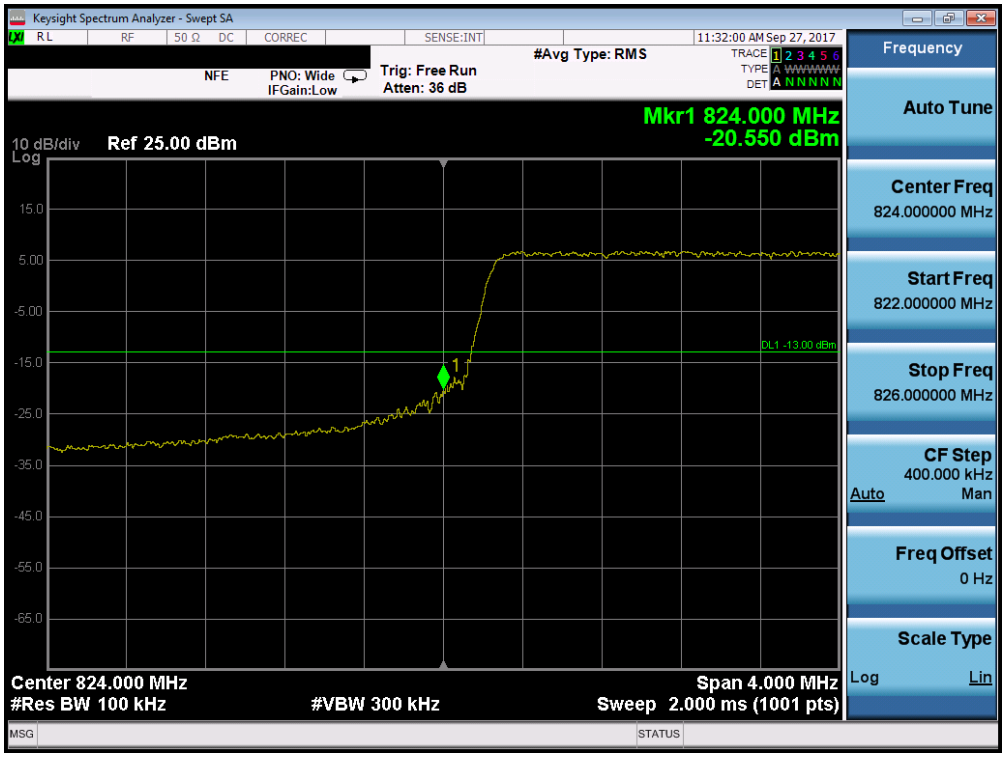
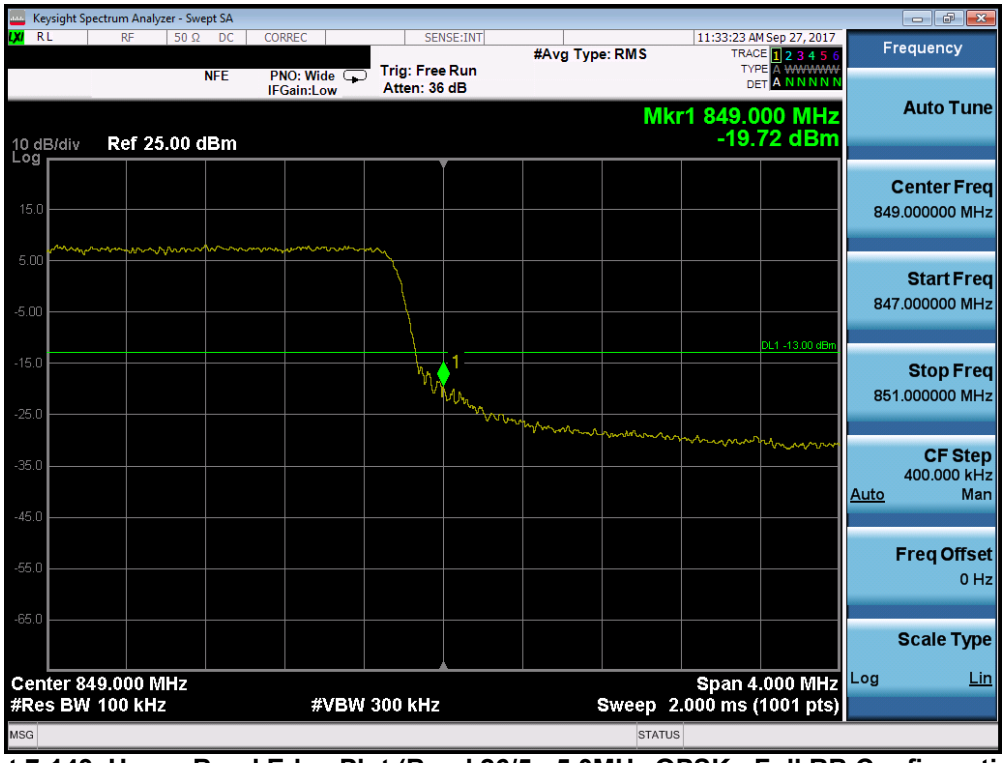
Band 26/5



Plot 7-142. Lower Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-143. Upper Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)

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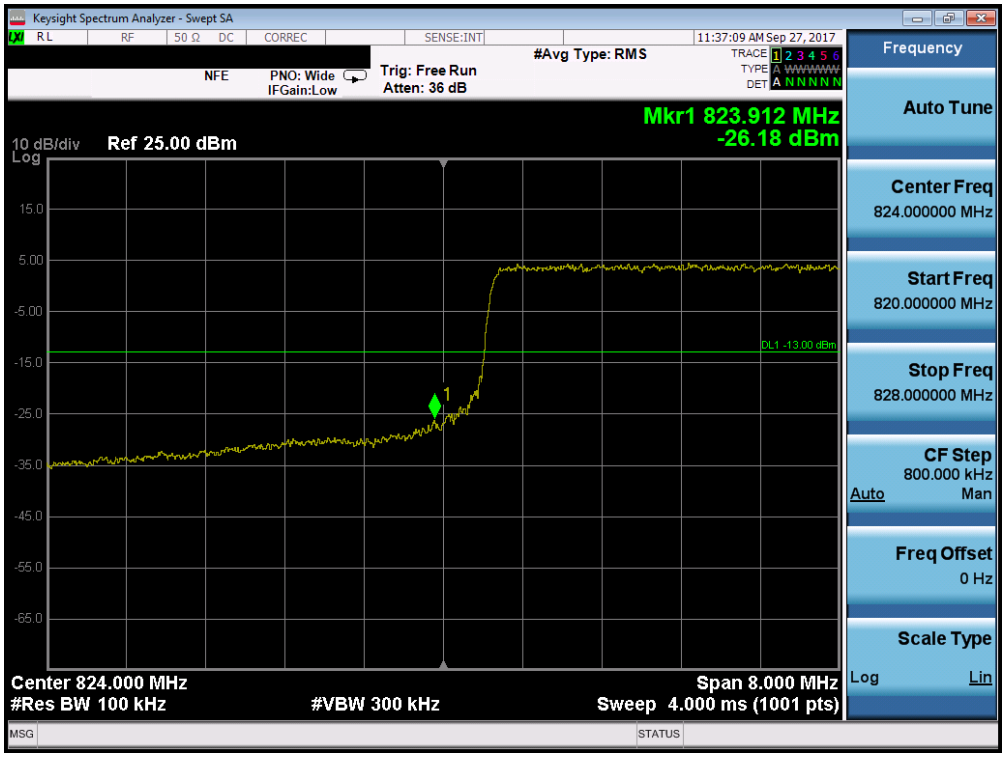
Band 26/5



Plot 7-144. Lower Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)

Plot 7-145. Upper Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)

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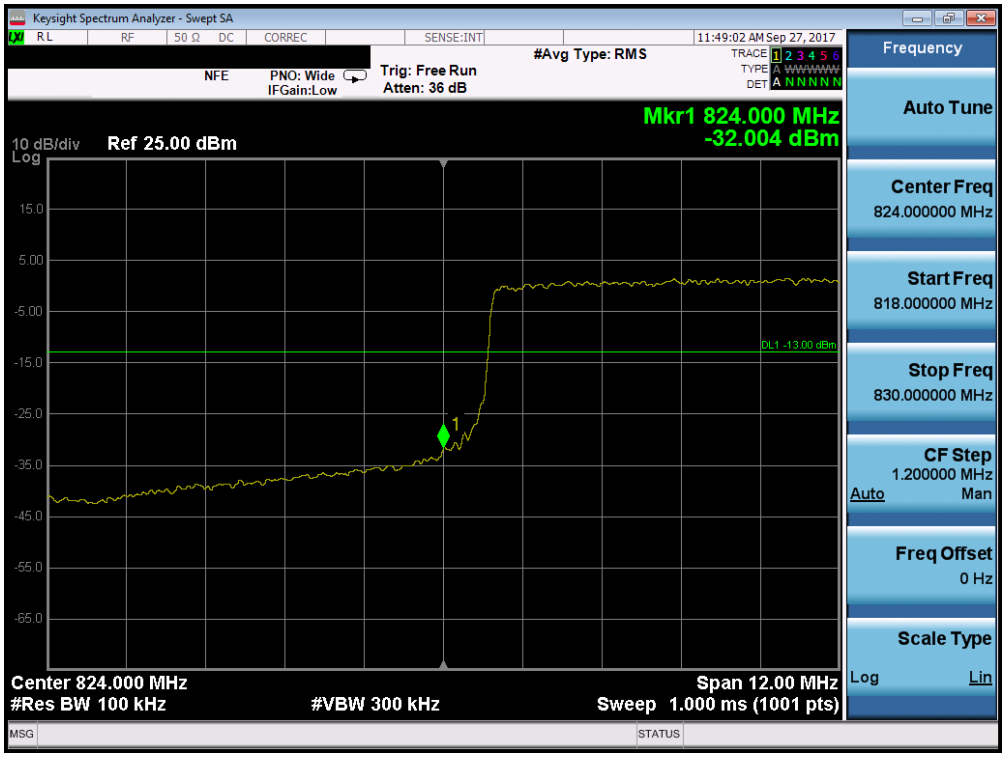
Band 26



Plot 7-146. Lower Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

Plot 7-147. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

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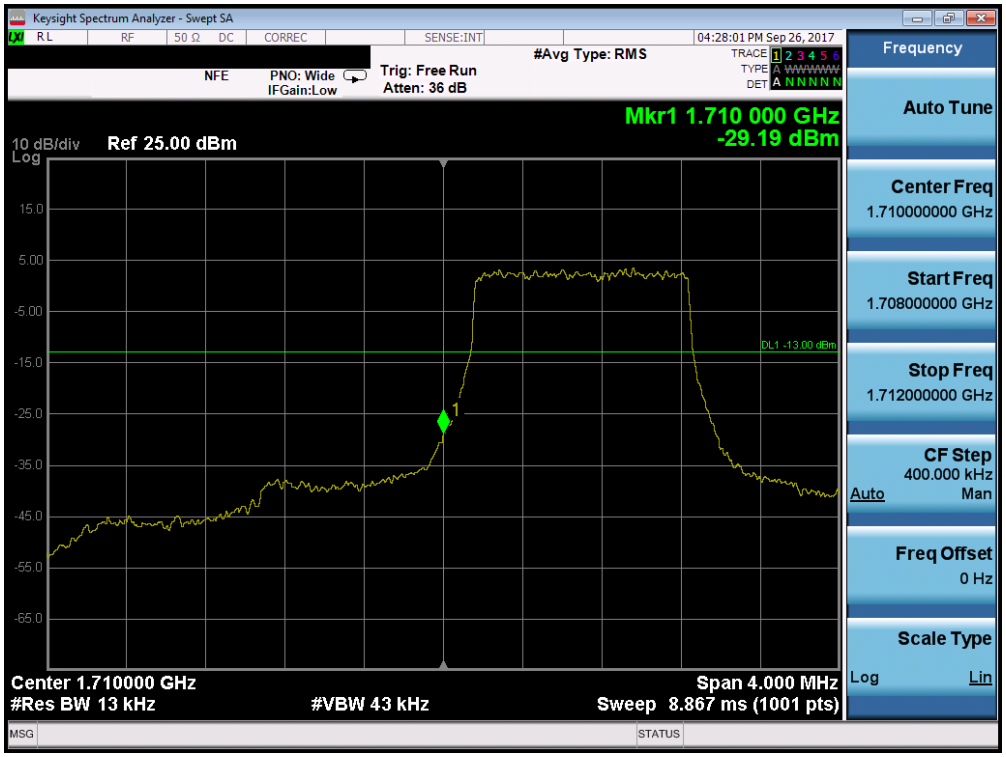
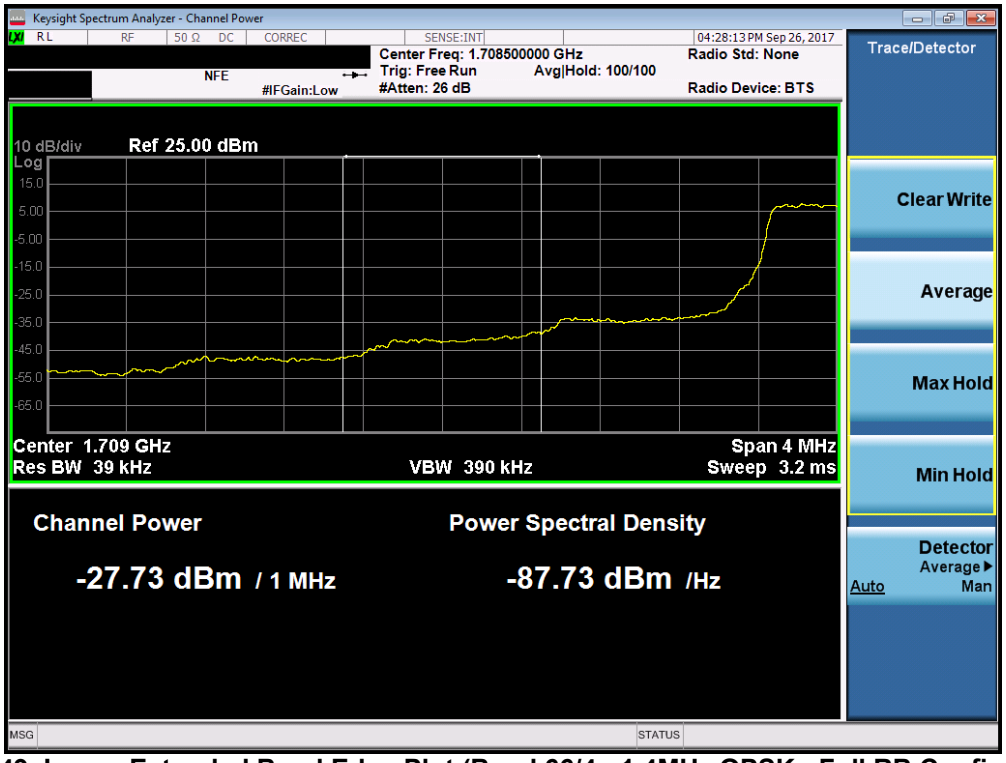
Band 66/4



Plot 7-148. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-149. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

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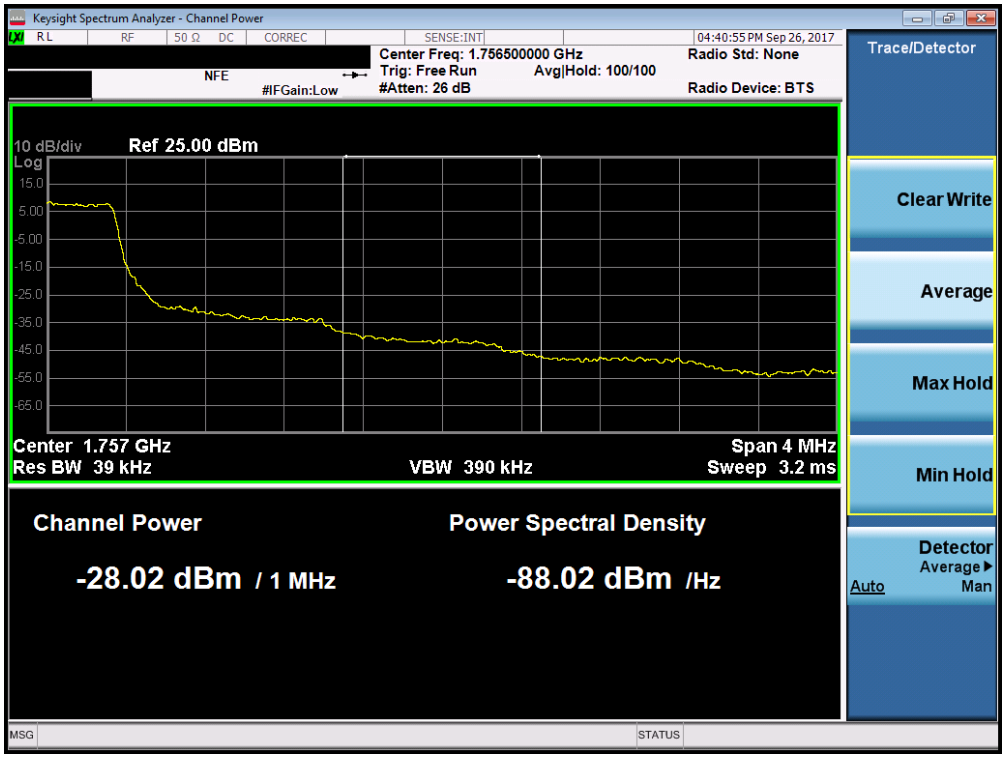
Plot 7-150. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-151. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

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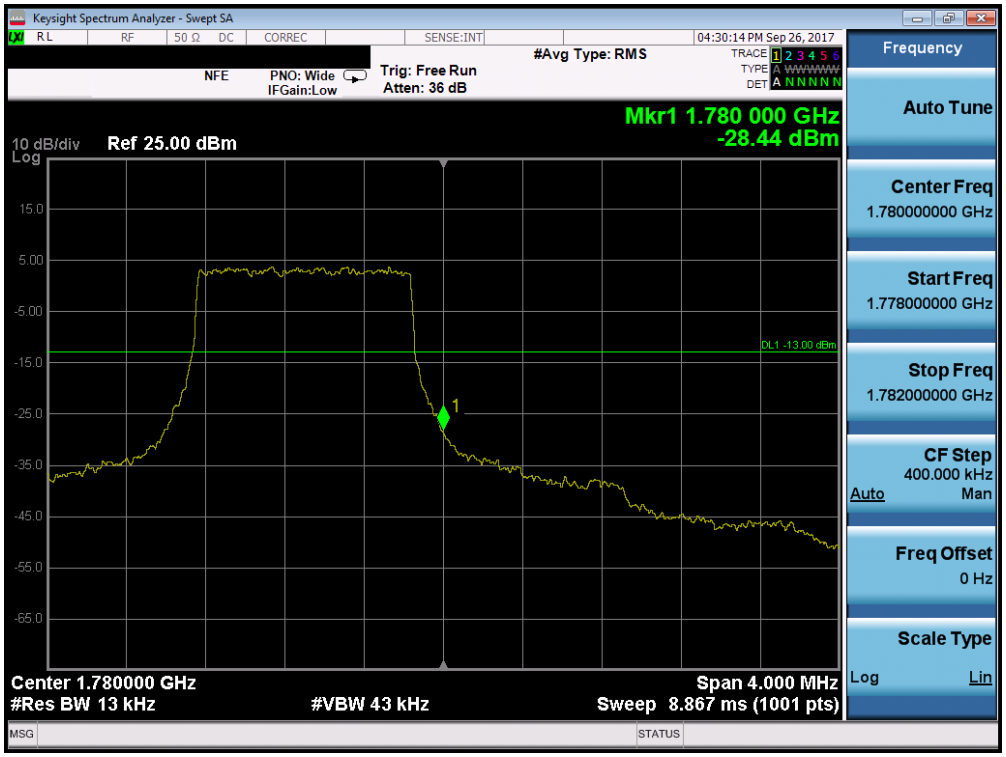
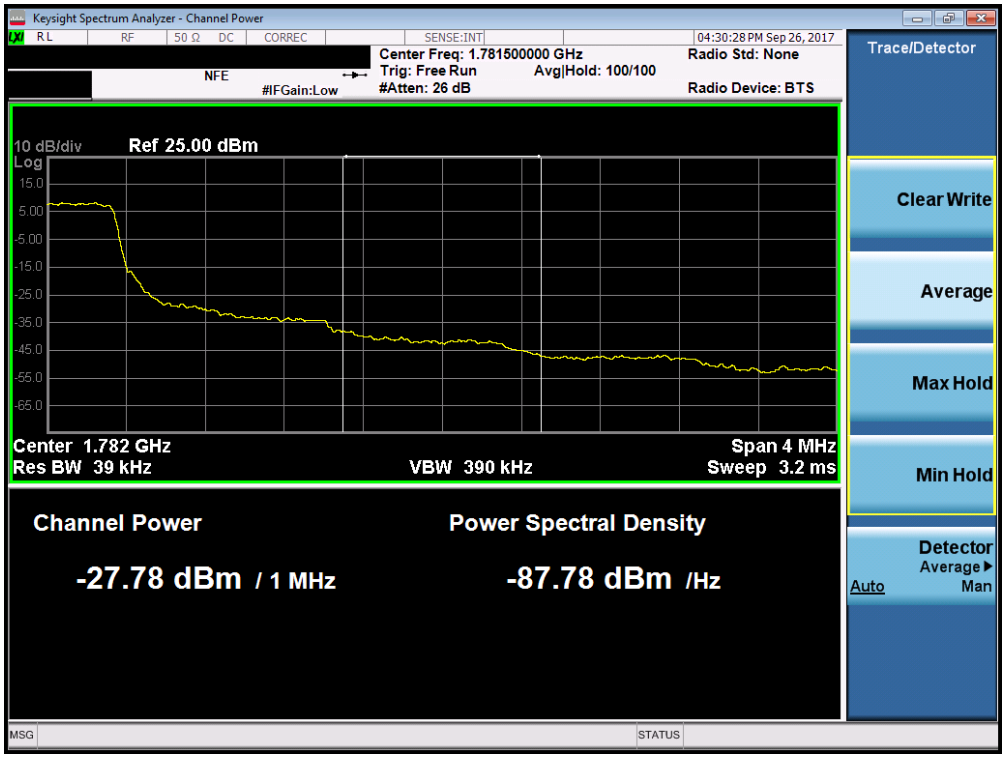


Plot 7-152. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-153. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

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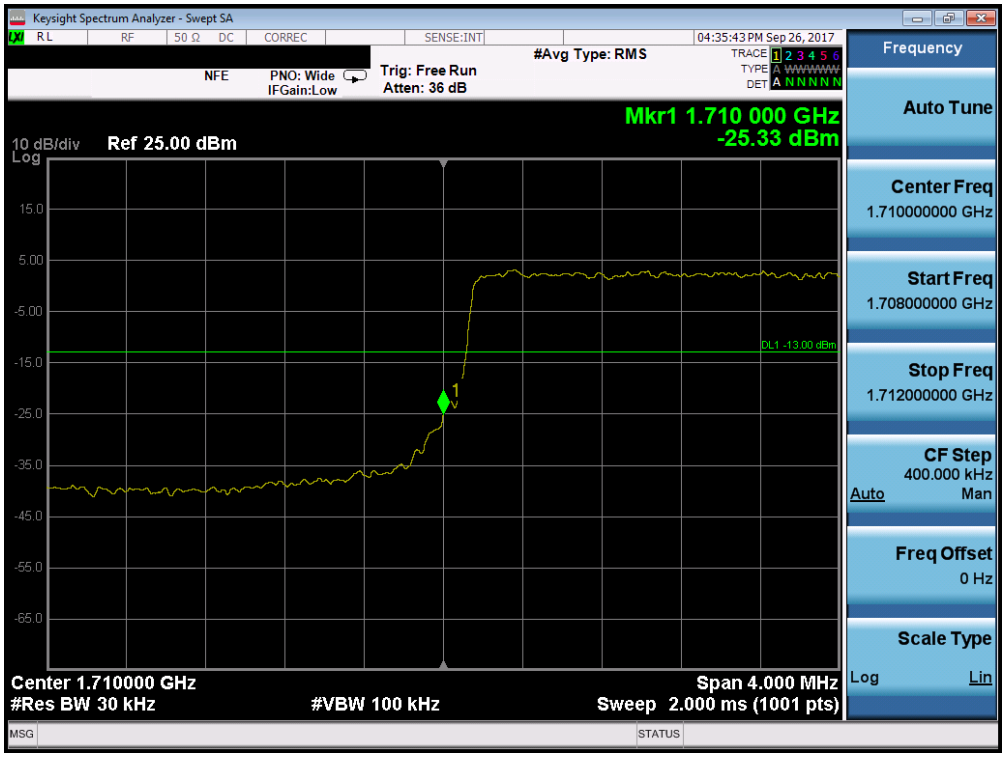
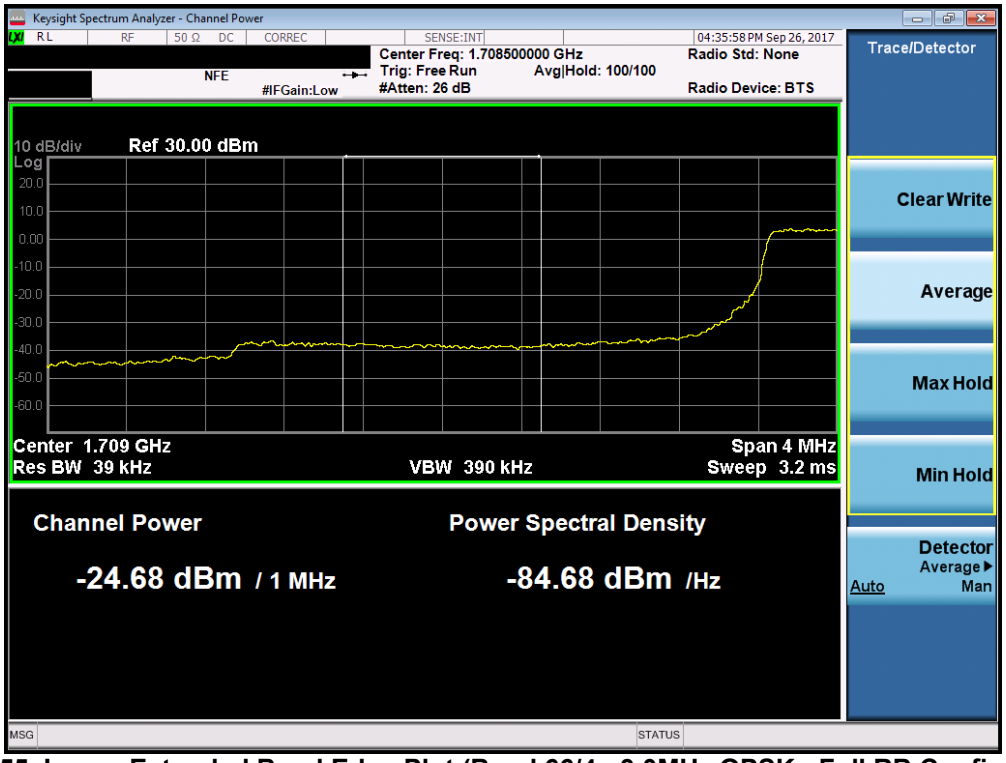
Band 66/4



Plot 7-154. Lower Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-155. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

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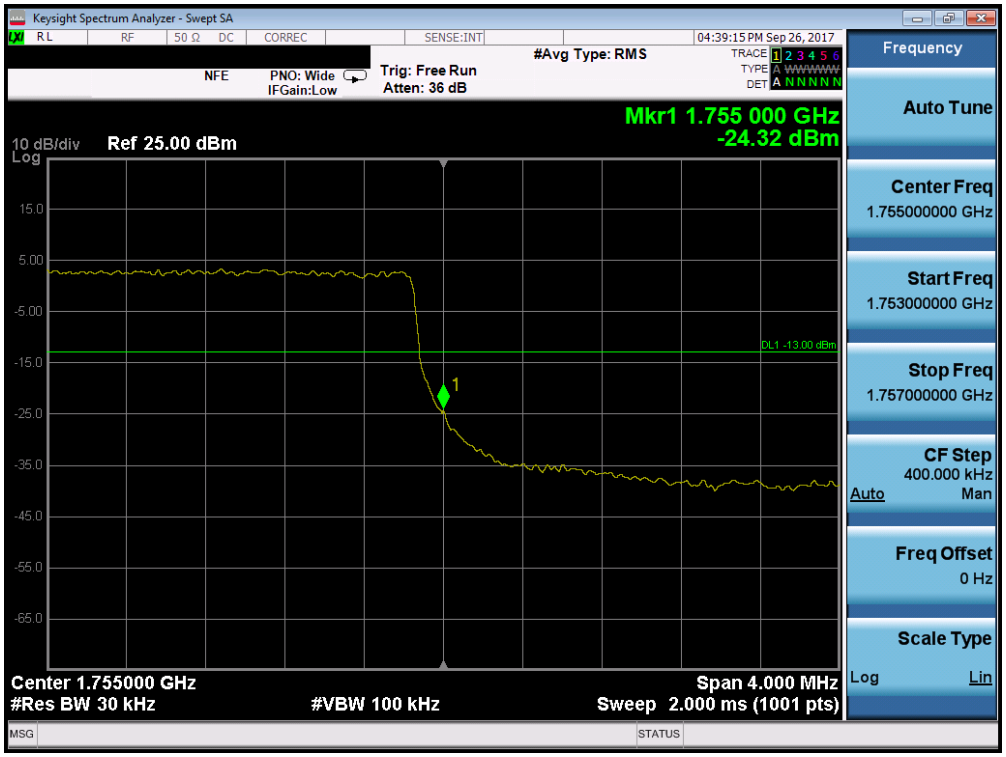
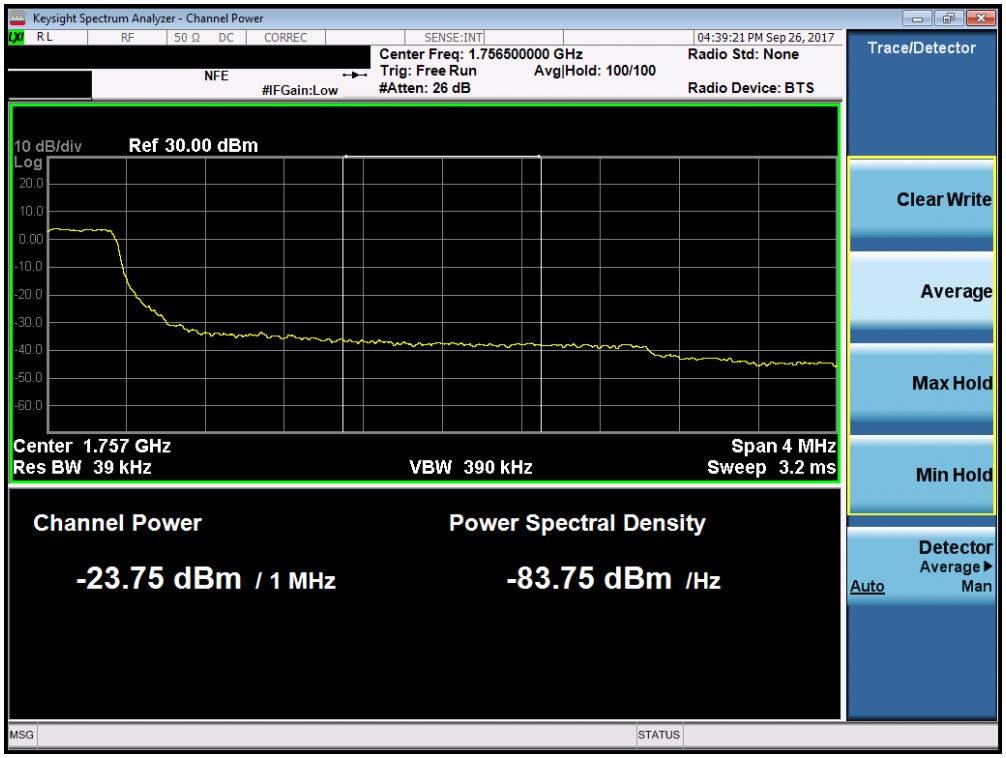


Plot 7-156. Upper Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-157. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

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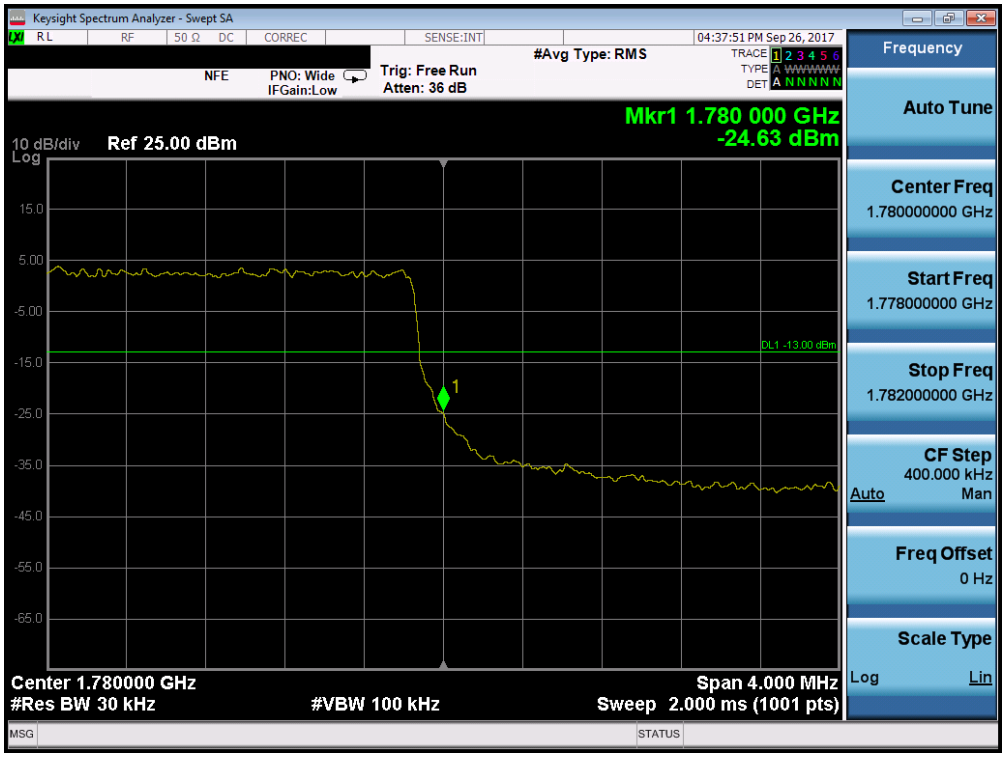
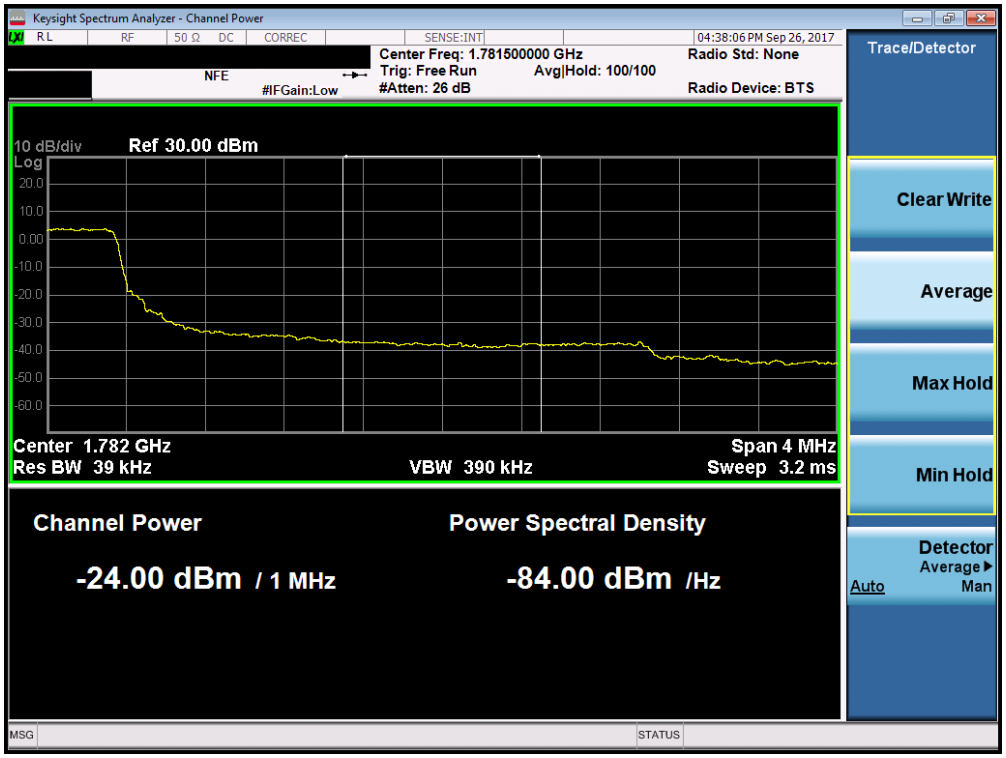


Plot 7-158. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-159. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

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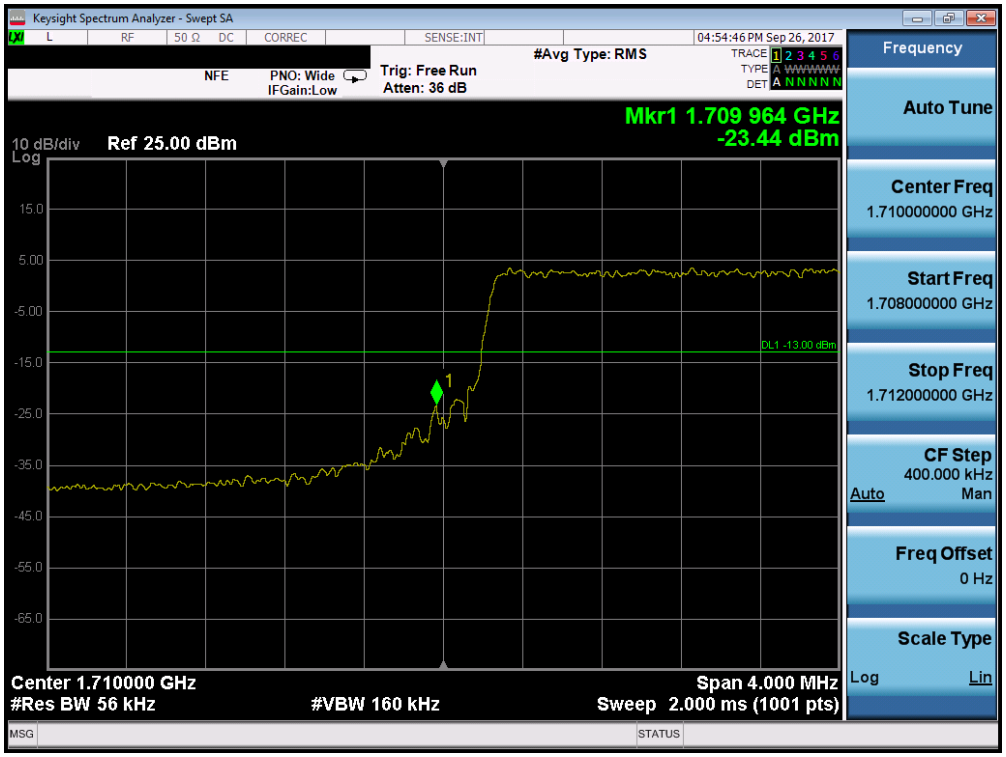
Band 66/4



Plot 7-160. Lower Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

Plot 7-161. Lower Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

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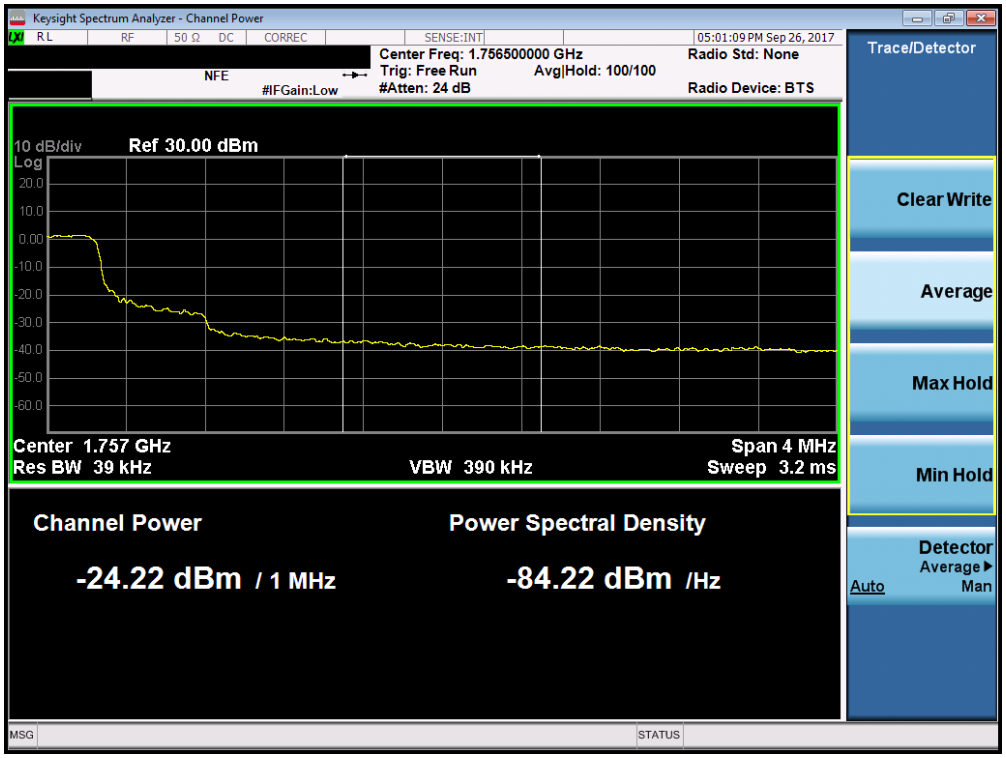
Plot 7-162. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-163. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

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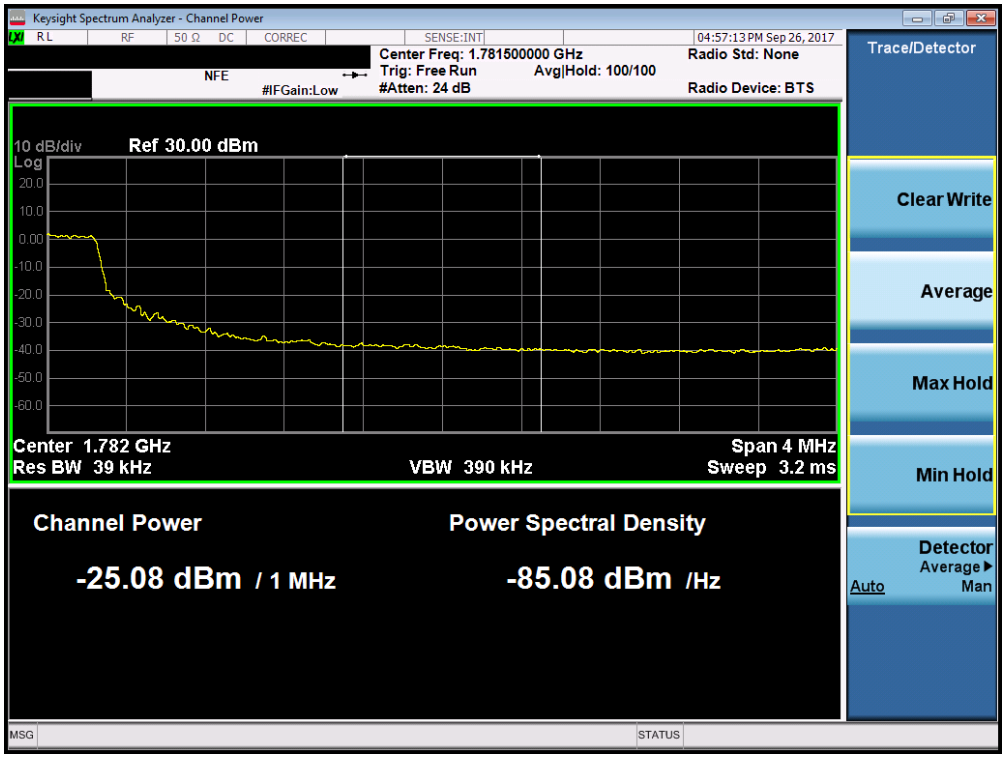
Plot 7-164. Upper Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-165. Upper Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

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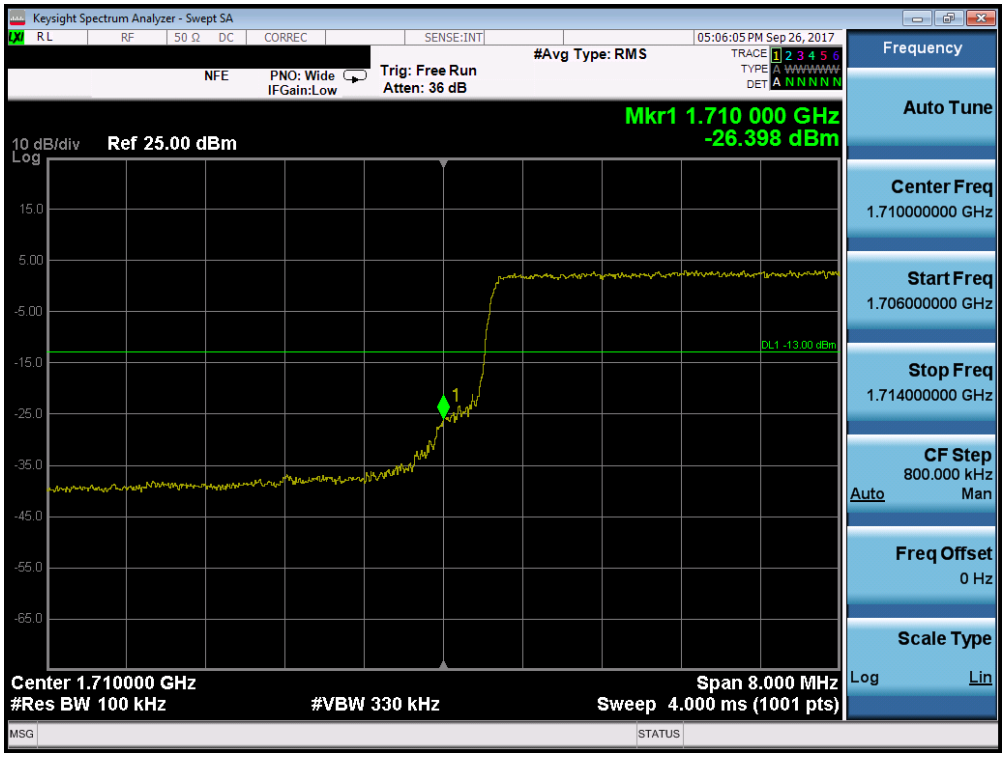
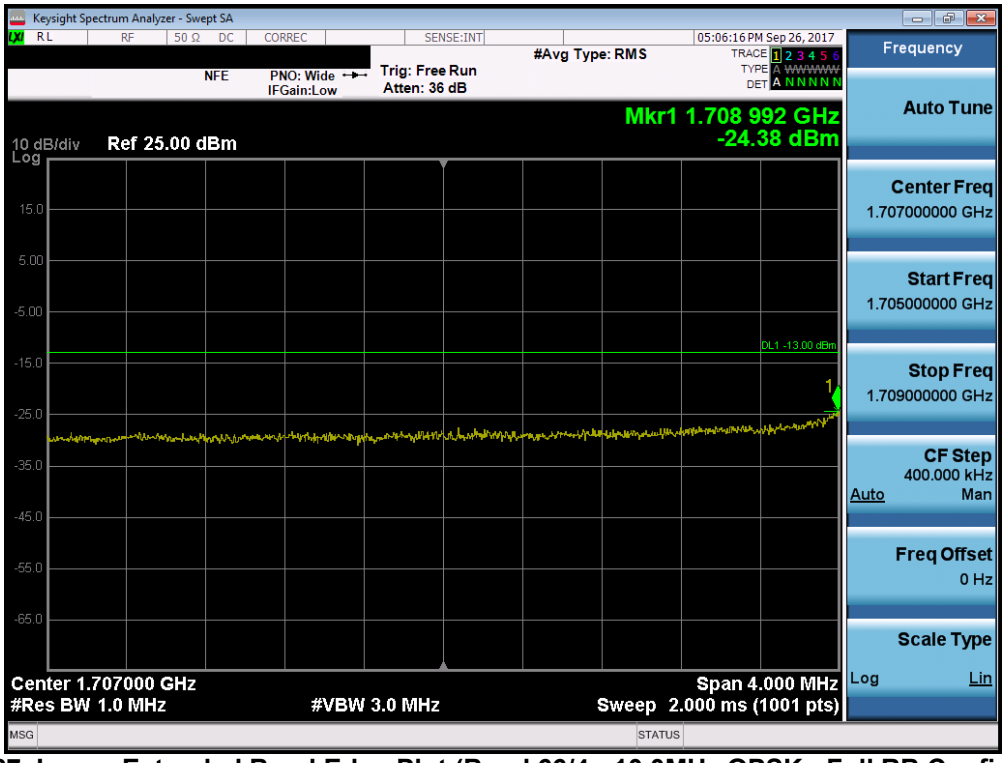
Band 66/4



Plot 7-166. Lower Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-167. Lower Extended Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

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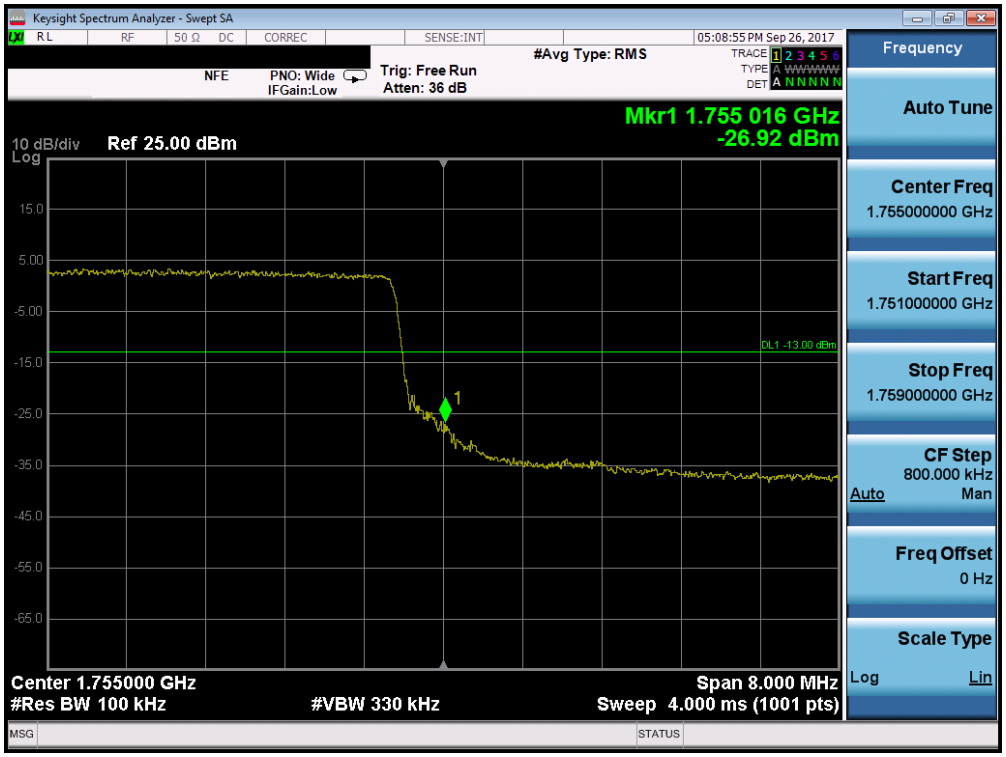
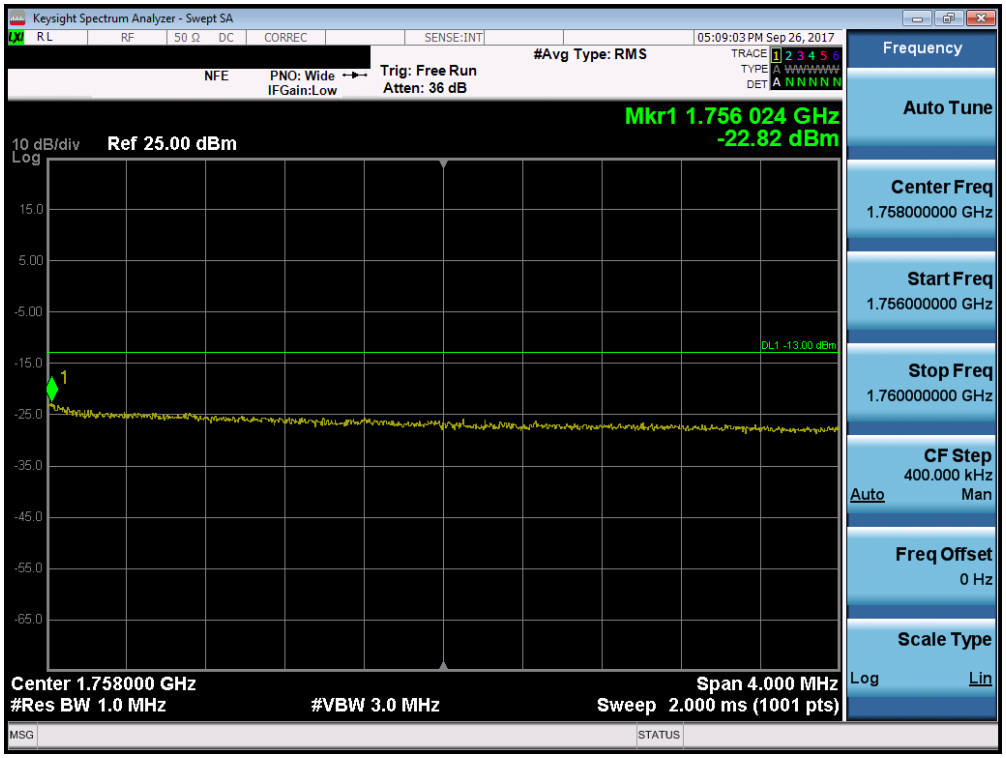


Plot 7-168. Upper Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-169. Upper Extended Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

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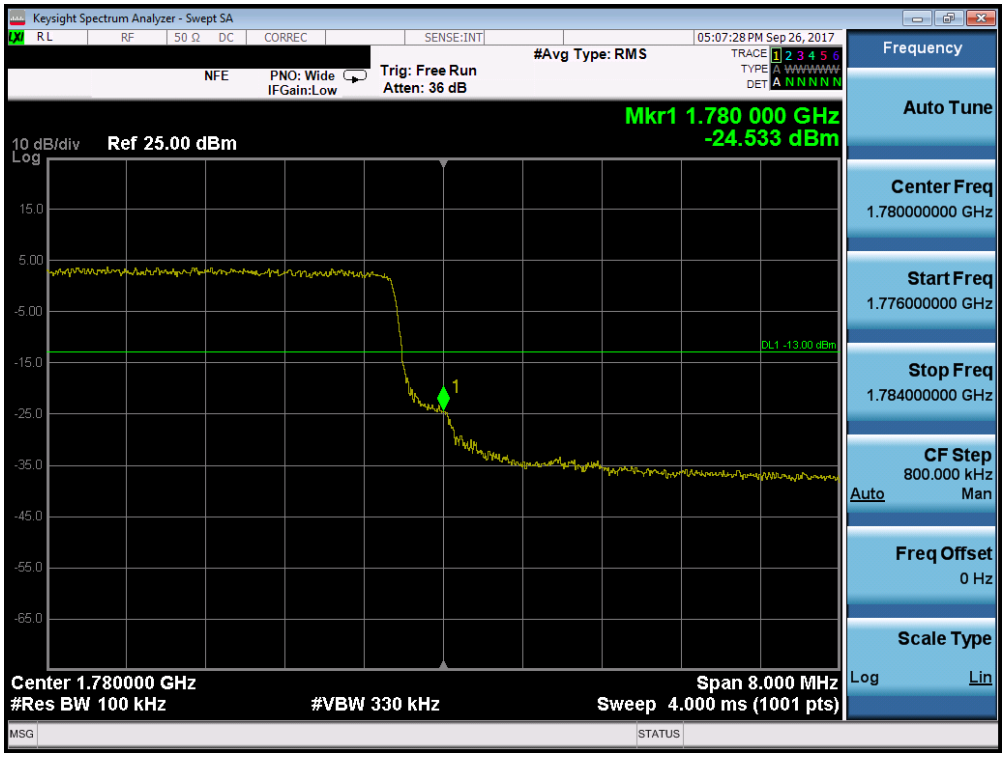
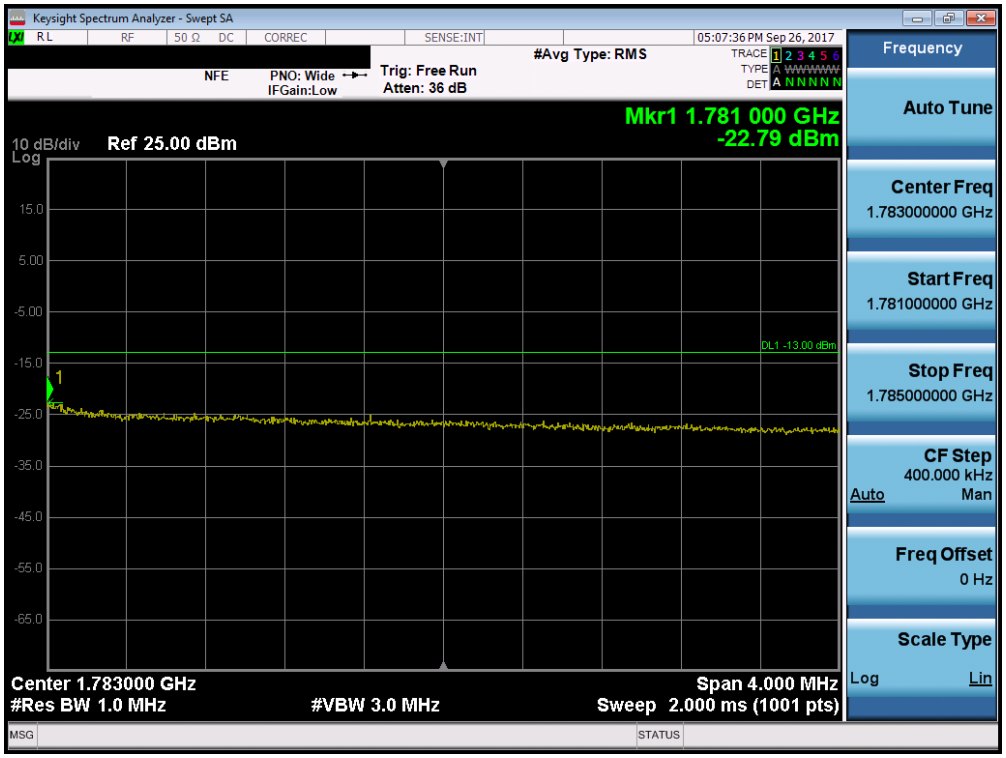


Plot 7-170. Upper Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-171. Upper Extended Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

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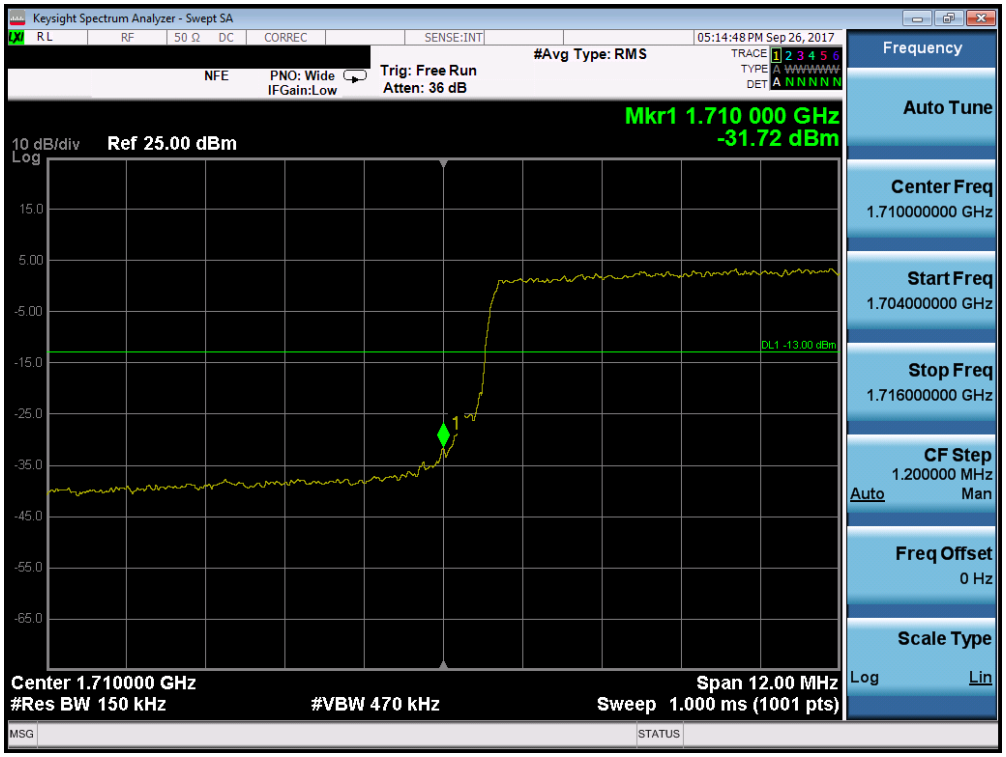
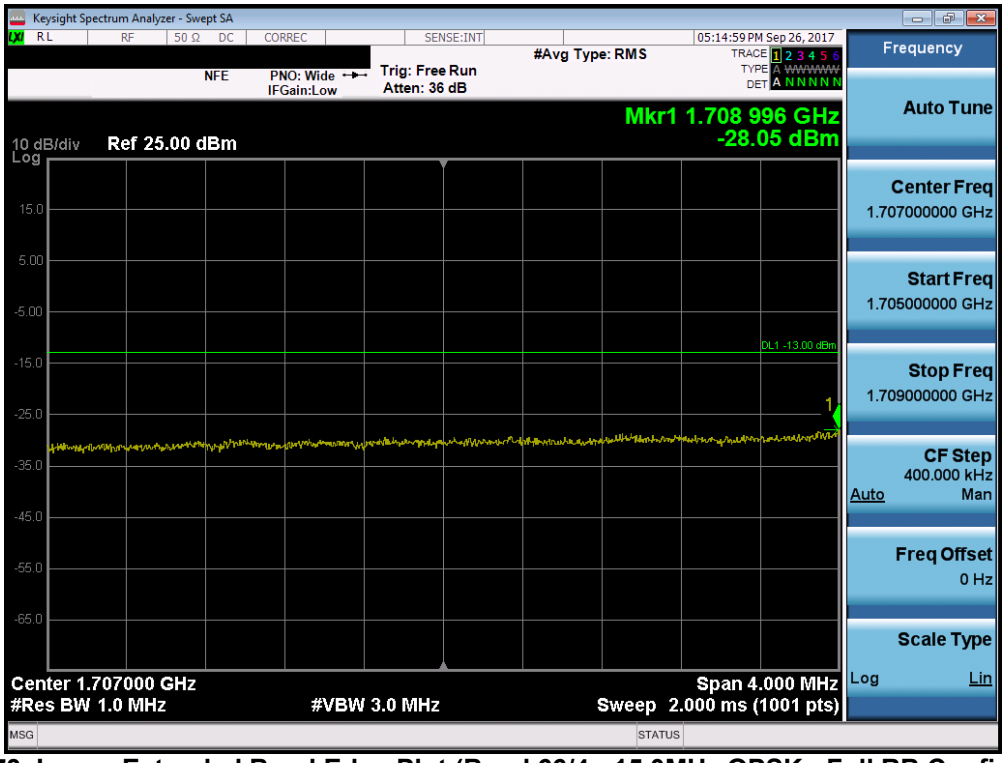
Band 66/4



Plot 7-172. Lower Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-173. Lower Extended Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

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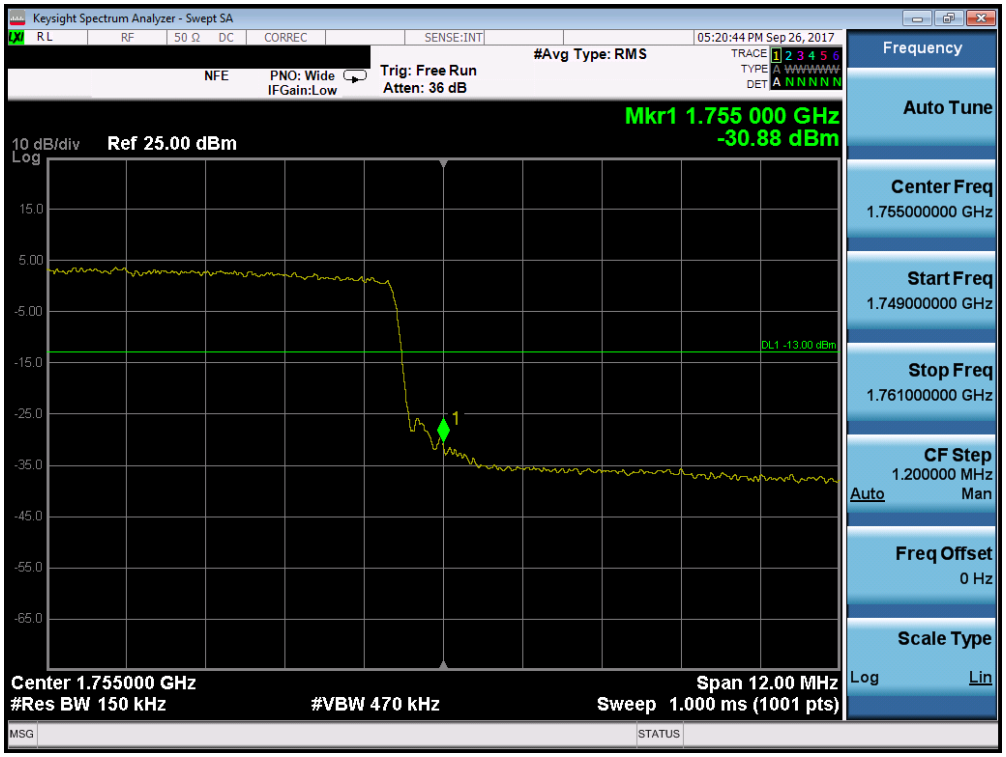
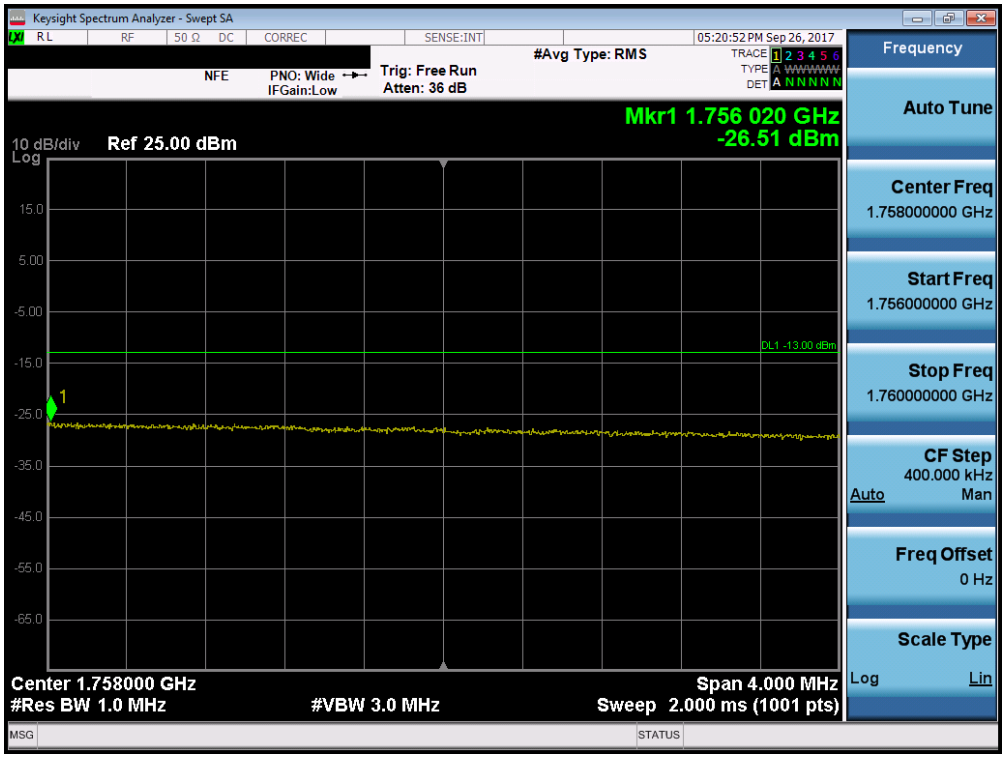


Plot 7-174. Upper Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-175. Upper Extended Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

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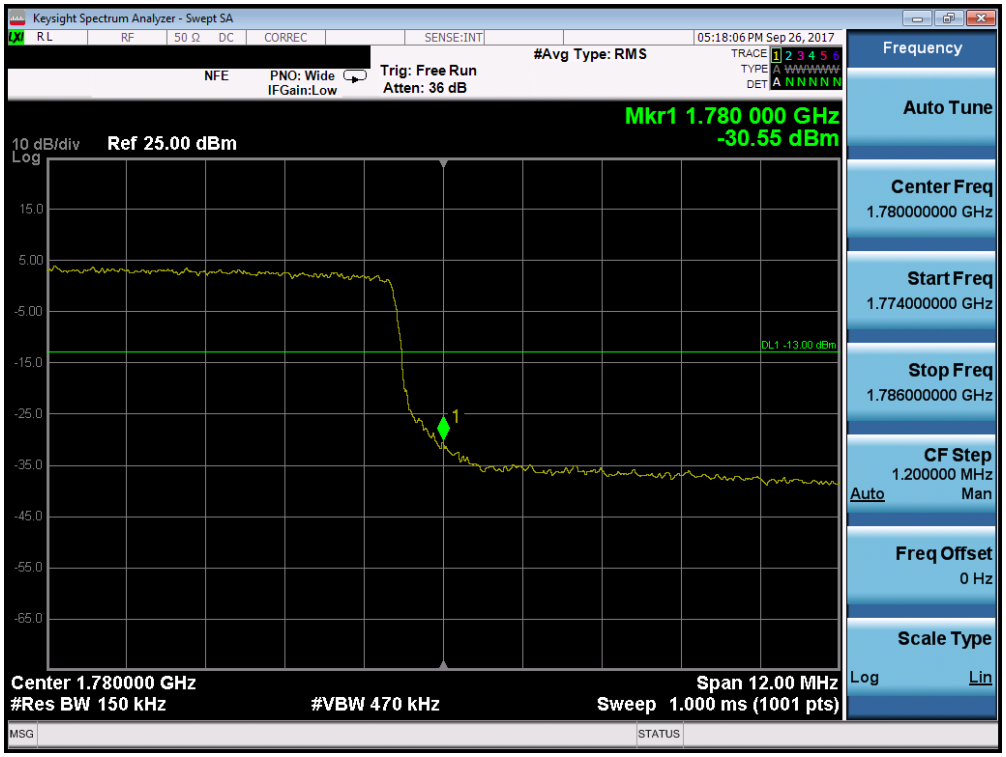
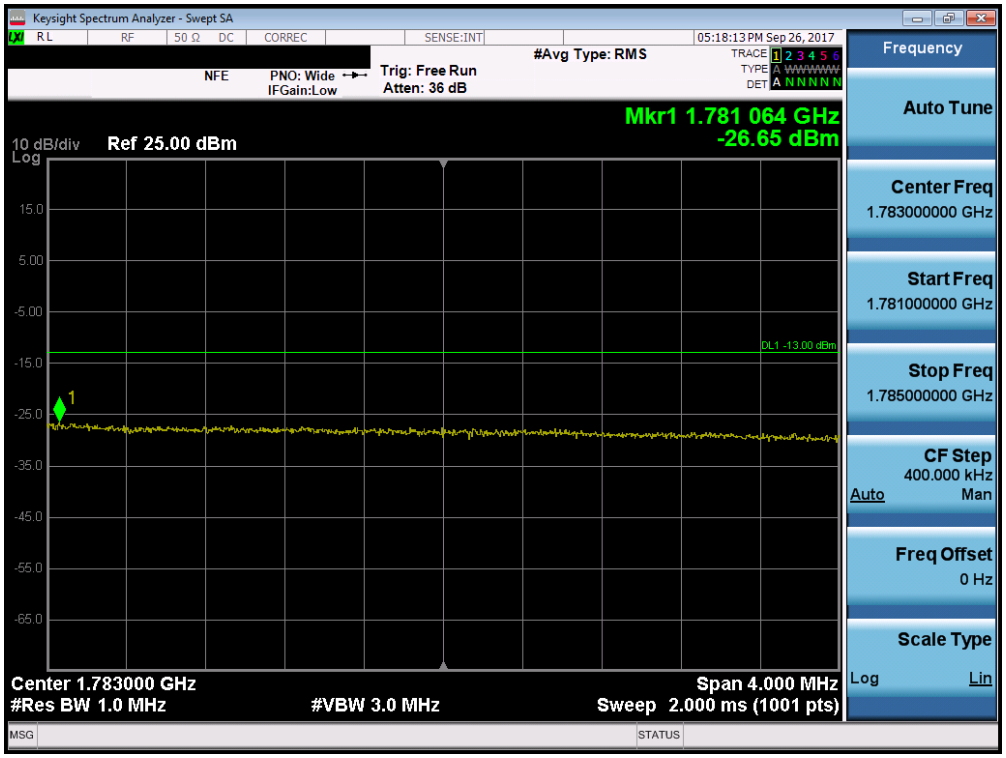


Plot 7-176. Upper Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-177. Upper Extended Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

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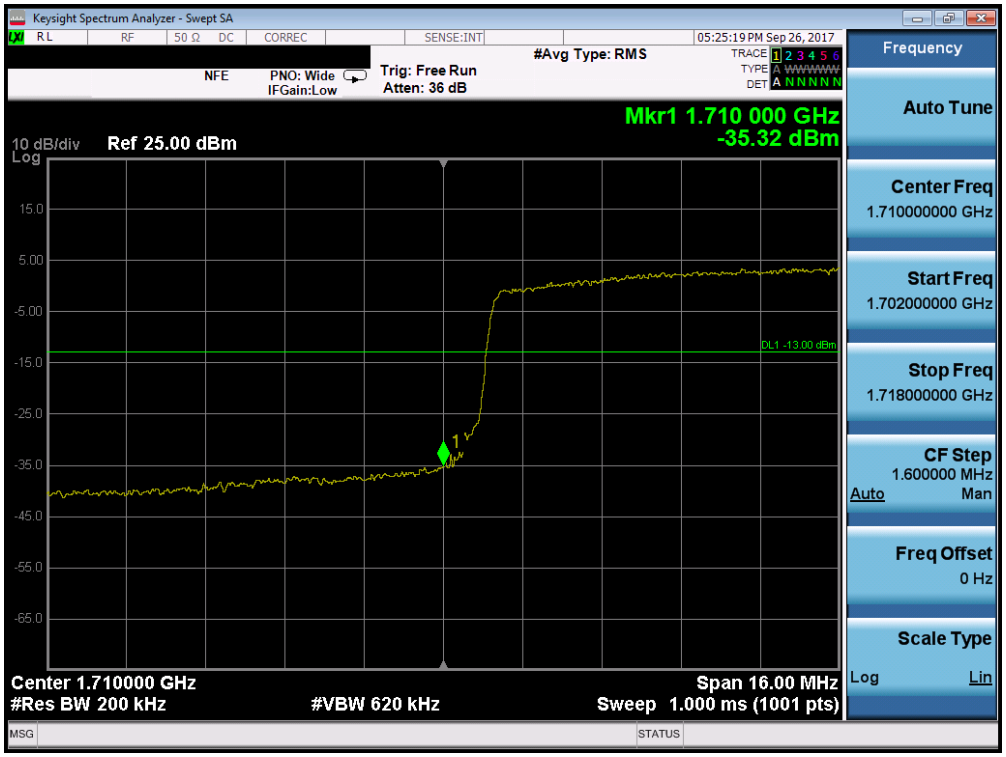
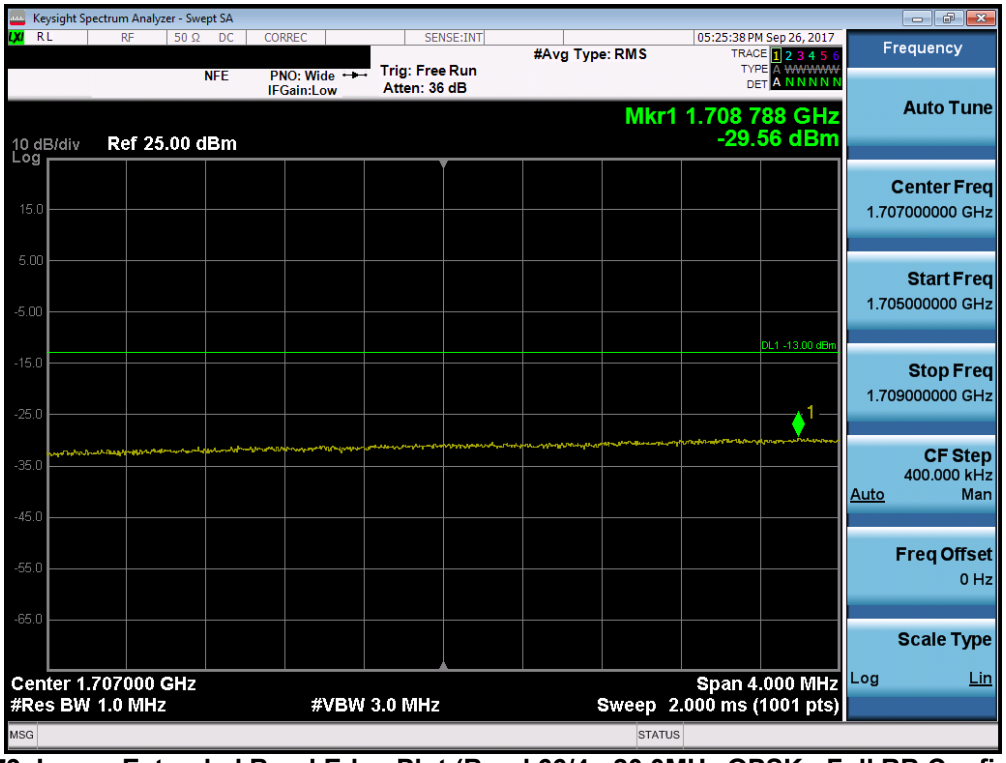
Band 66/4



Plot 7-178. Lower Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-179. Lower Extended Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

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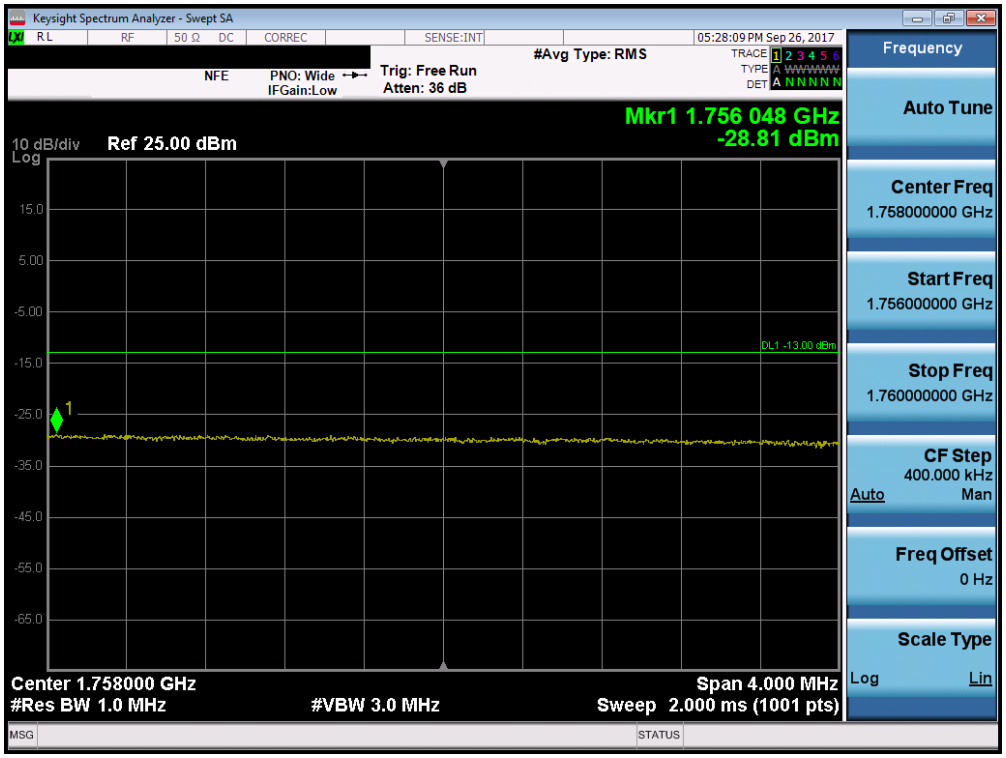
Plot 7-180. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-181. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

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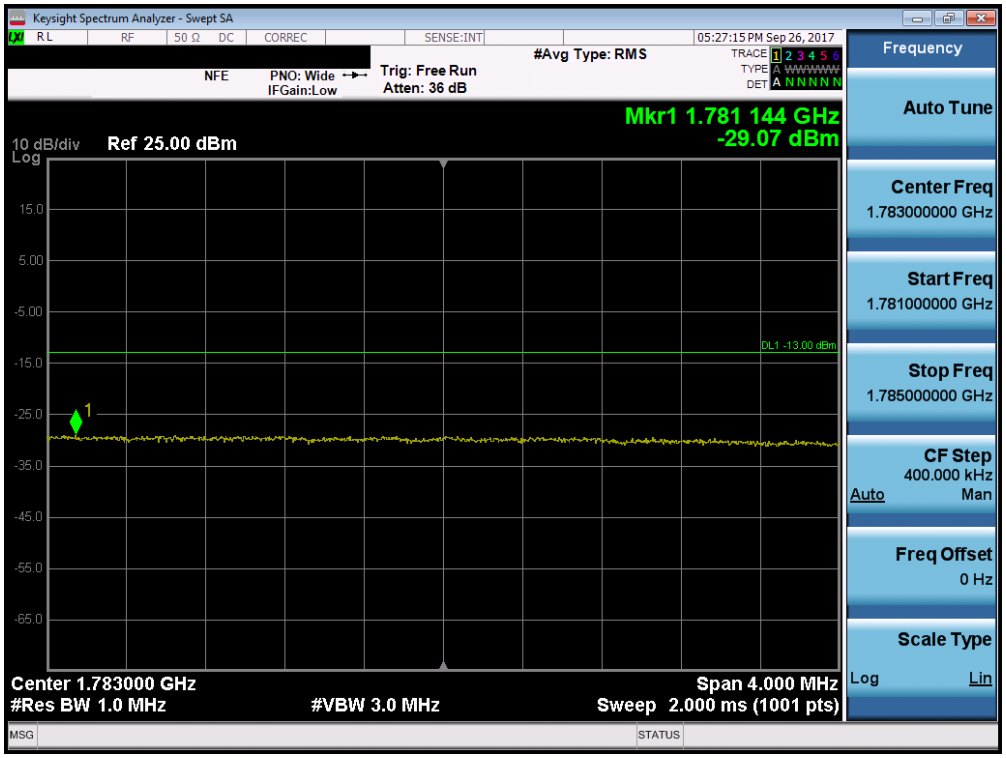
Plot 7-182. Upper Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-183. Upper Extended Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

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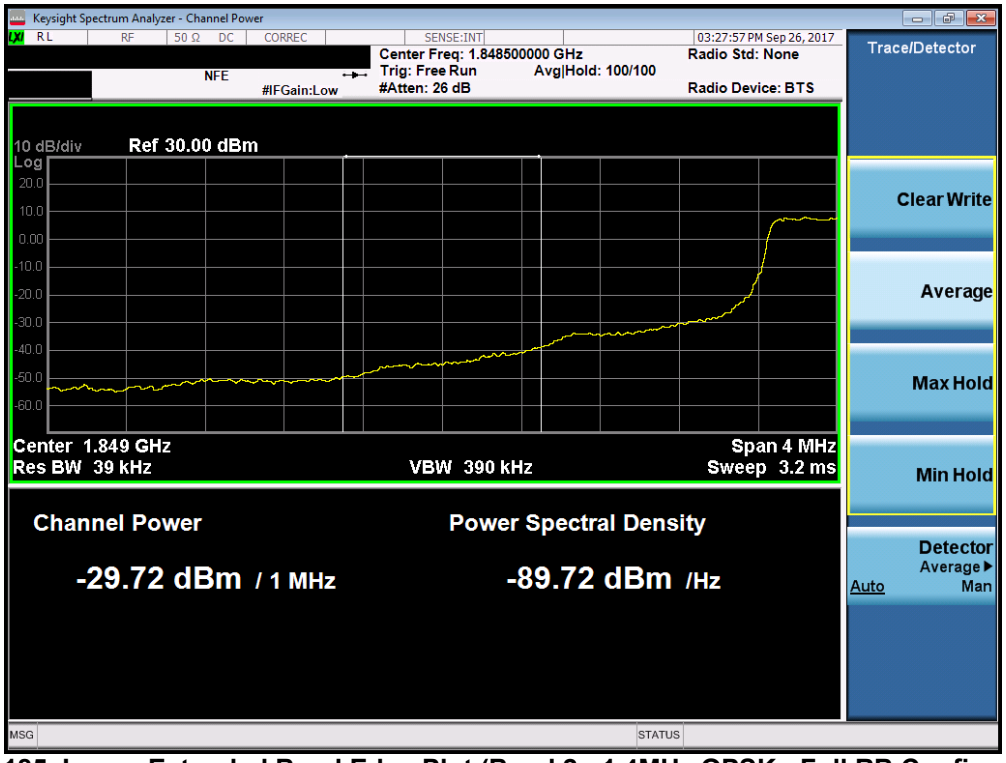
Band 2

Plot 7-184. Lower Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-185. Lower Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

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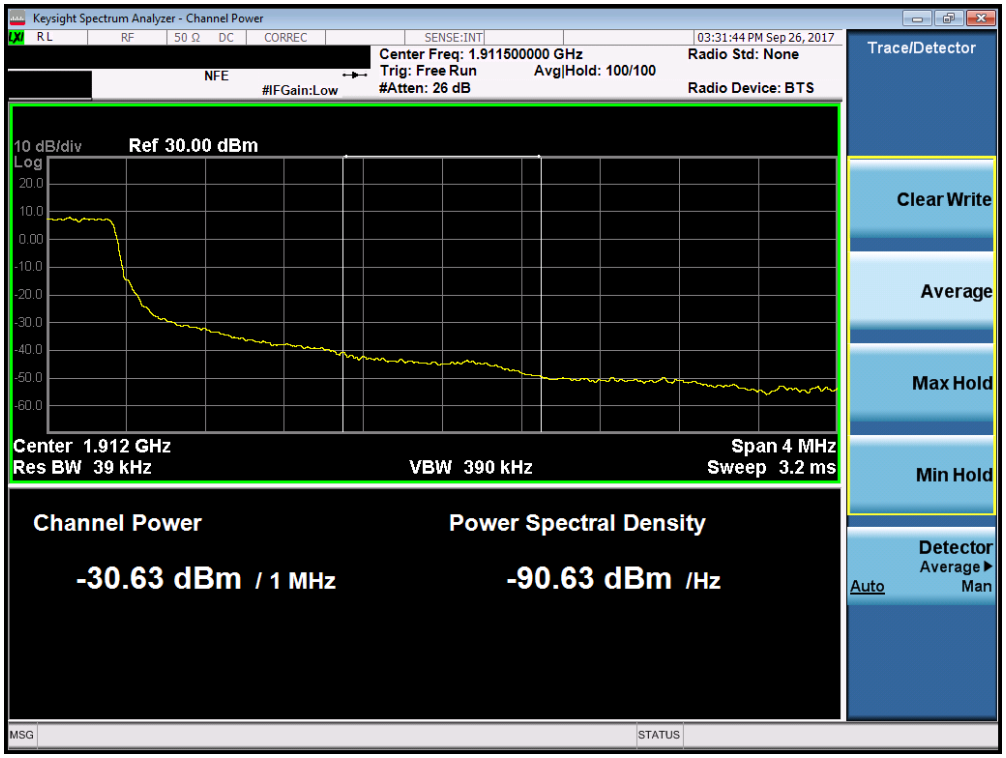
Plot 7-186. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-187. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

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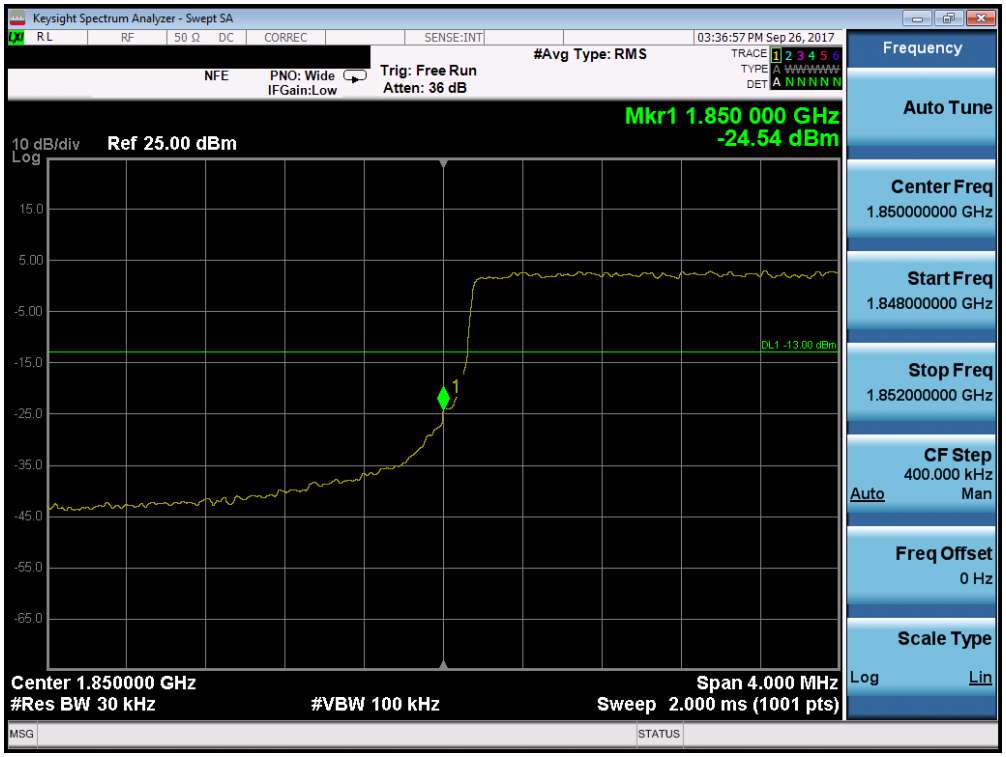
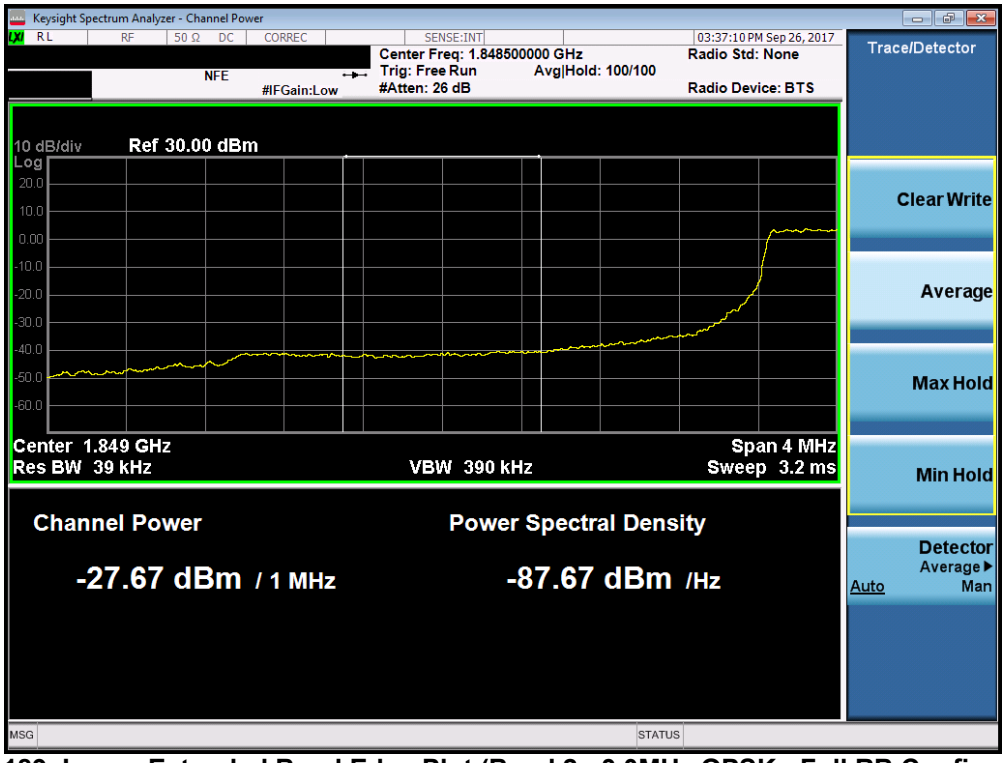
Band 2



Plot 7-188. Lower Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-189. Lower Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

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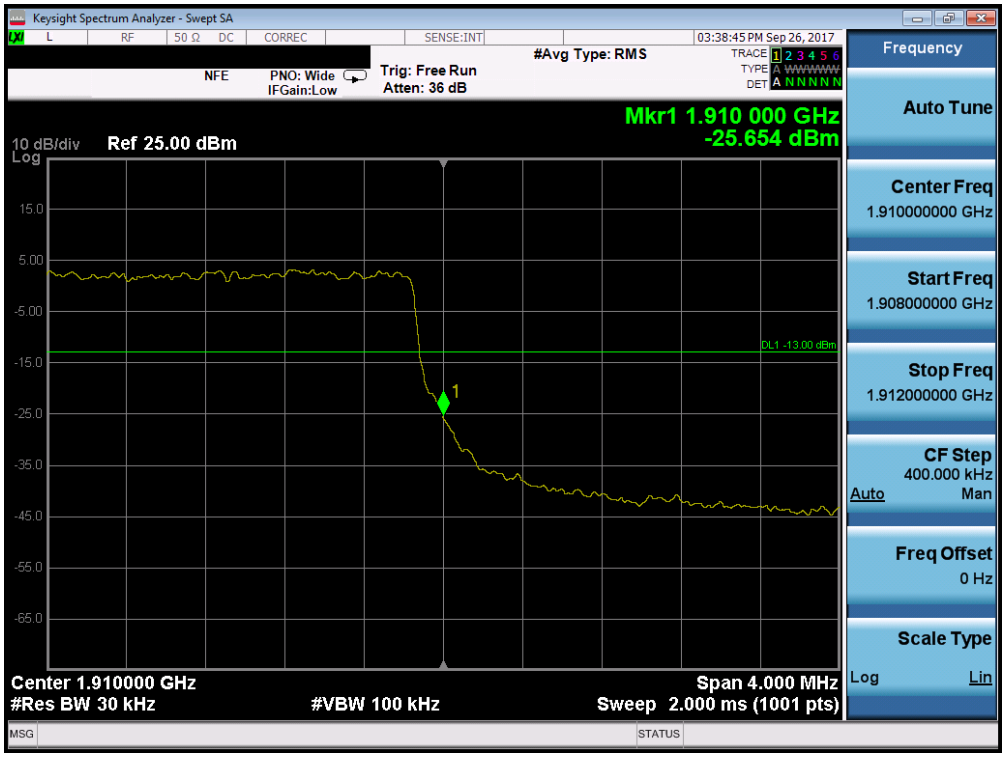
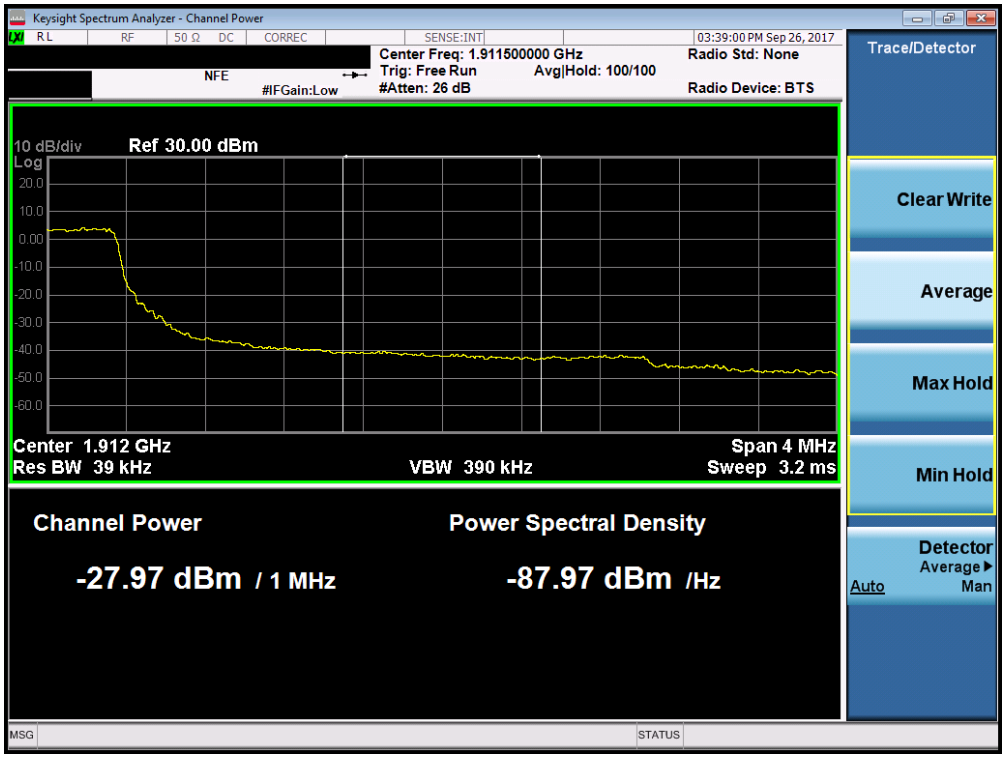


Plot 7-190. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-191. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

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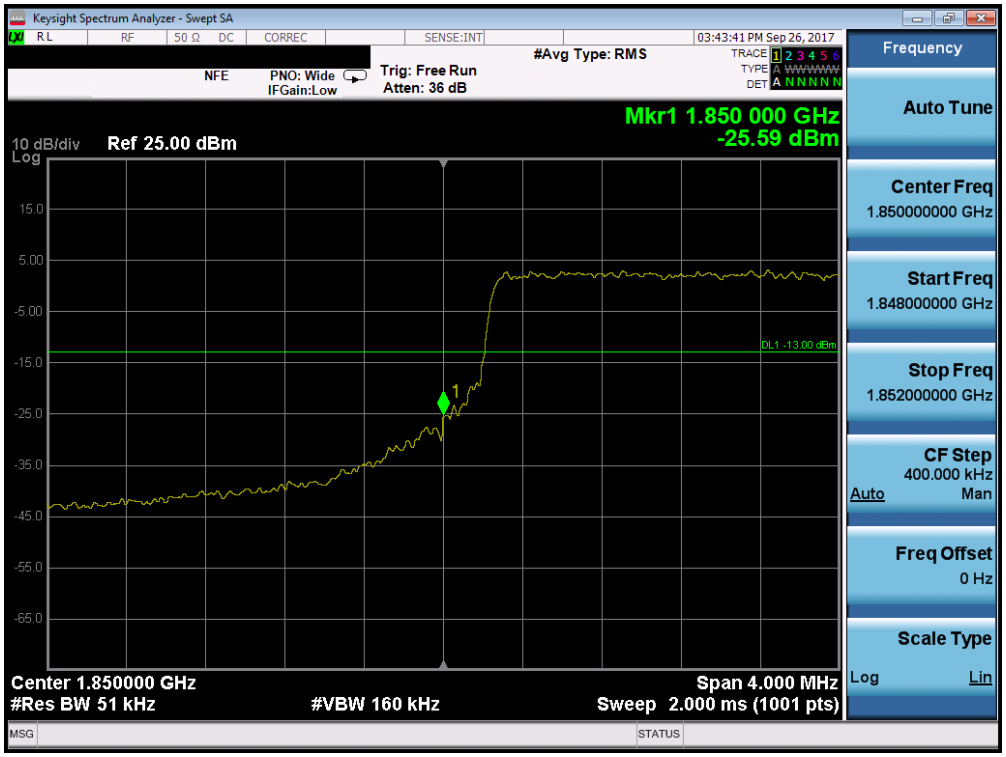
Band 2



Plot 7-192. Lower Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

Plot 7-193. Lower Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

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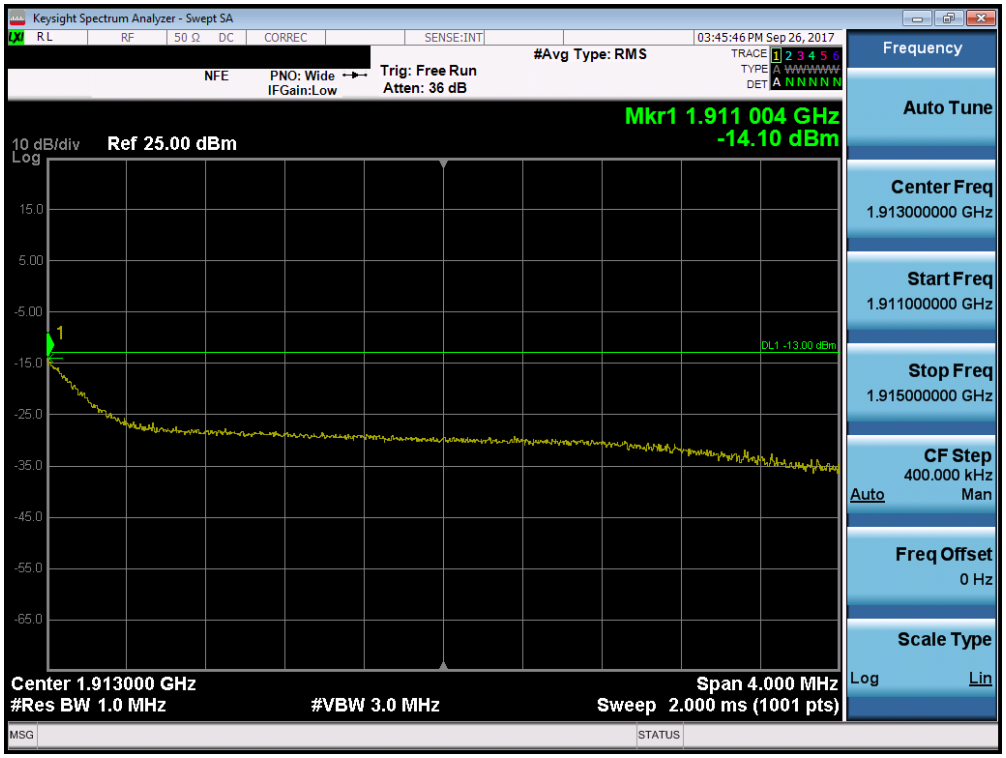
Plot 7-194. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-195. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

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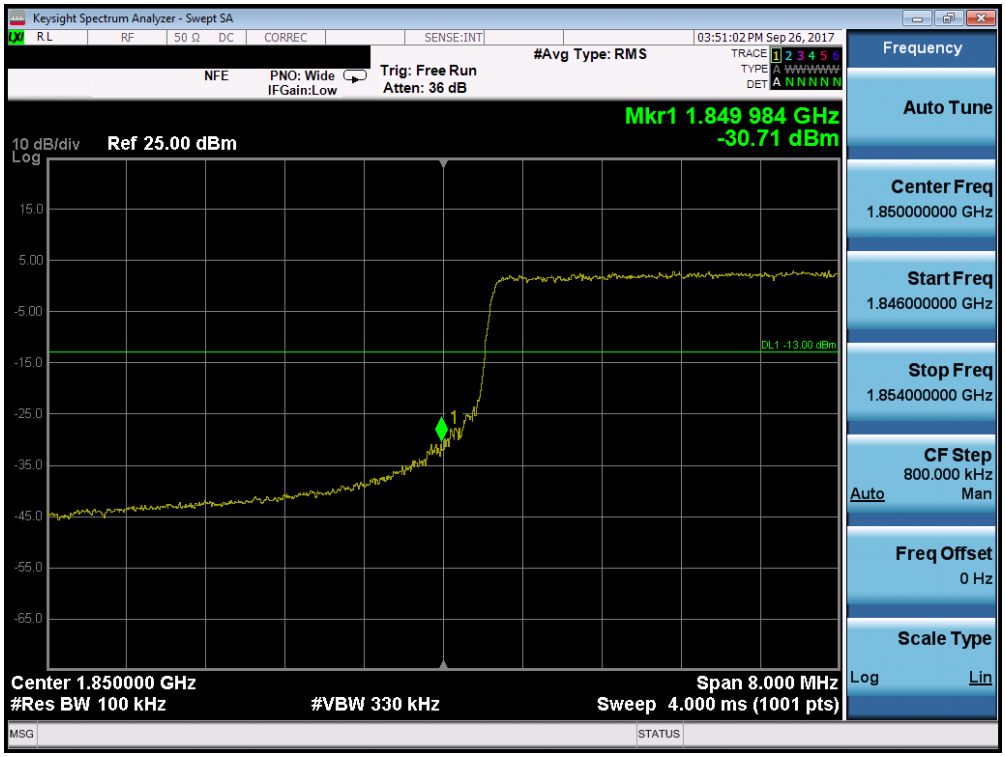
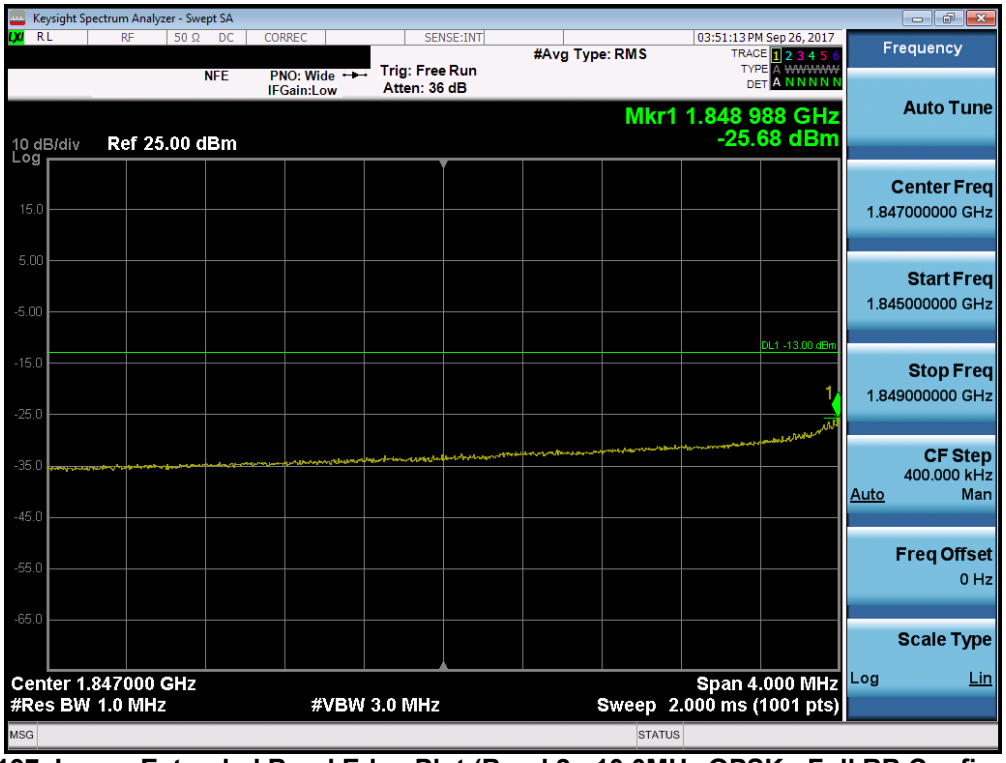
Band 2



Plot 7-196. Lower Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-197. Lower Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

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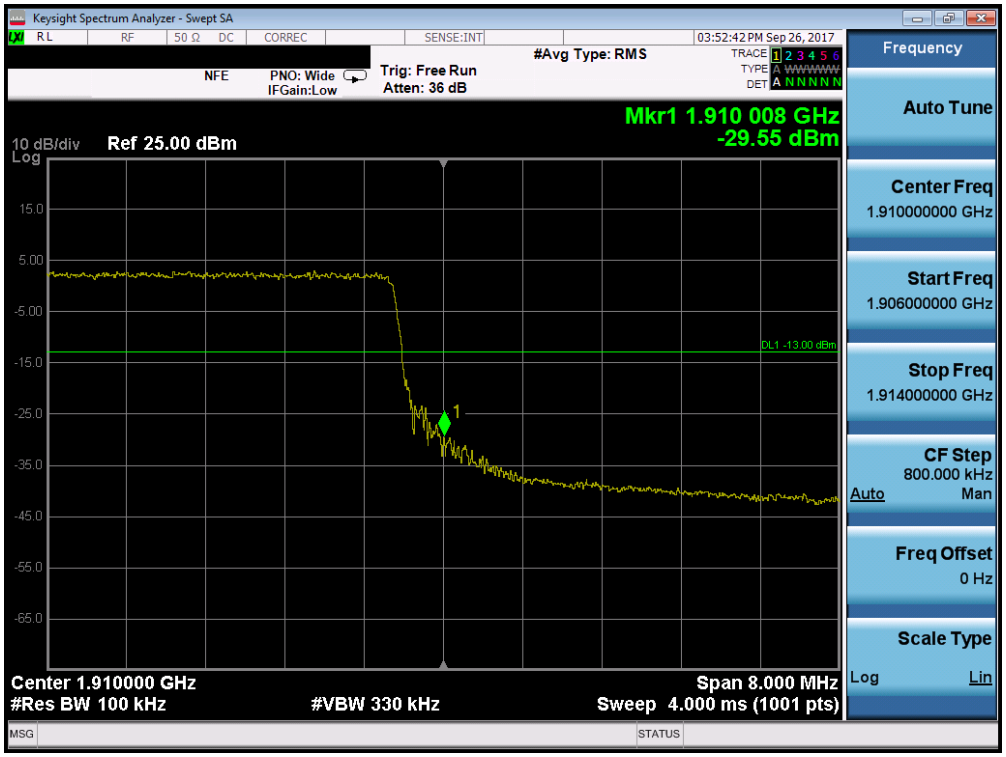

Plot 7-198. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

Plot 7-199. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

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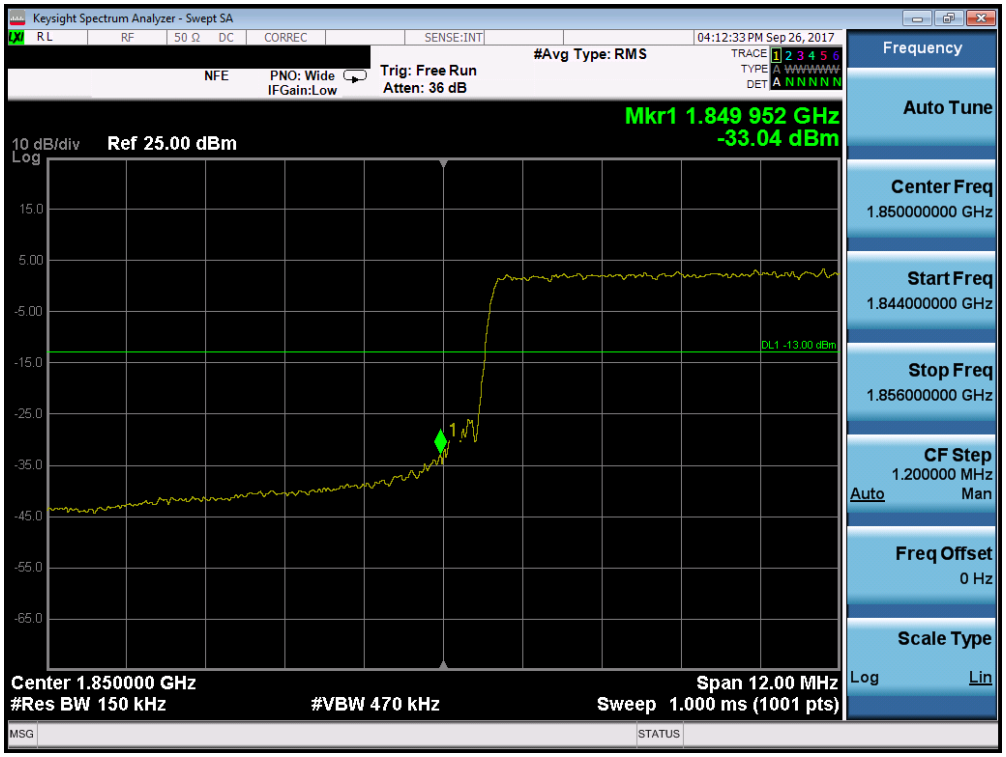
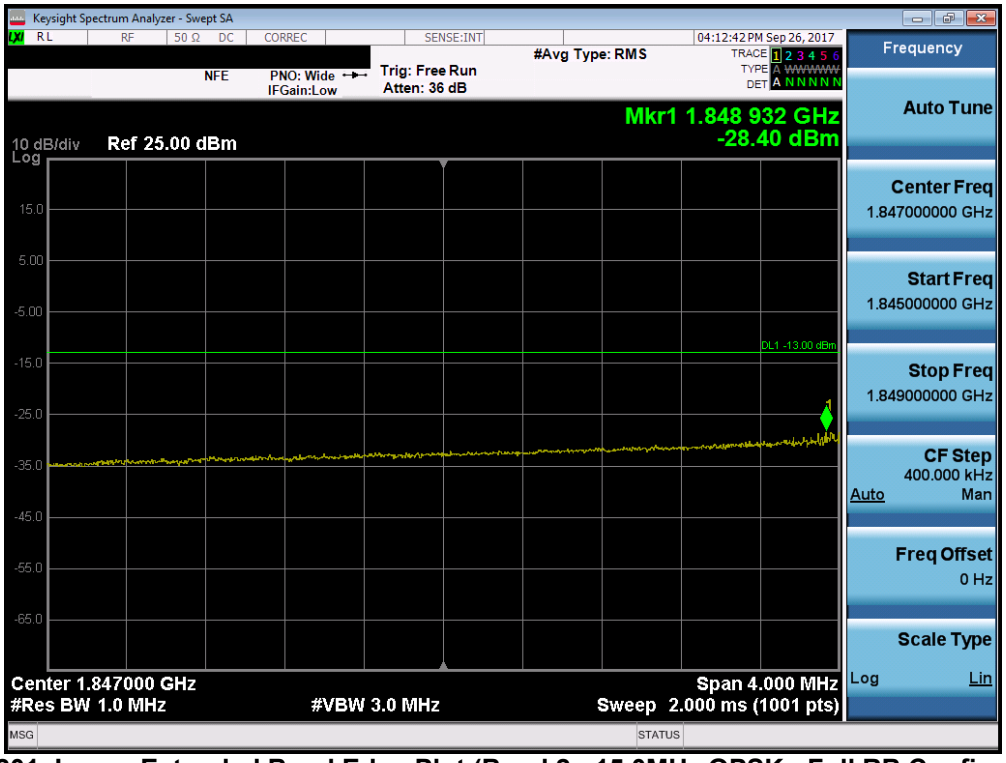
Band 2



Plot 7-200. Lower Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-201. Lower Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

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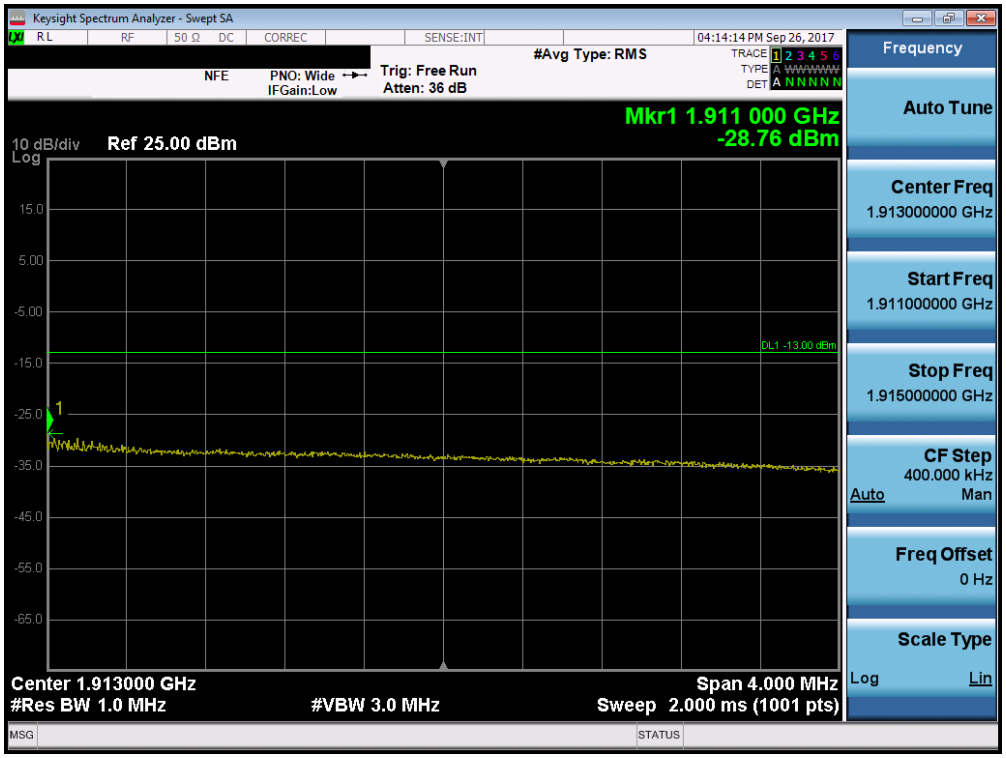
Plot 7-202. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-203. Upper Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

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Band 2

Plot 7-204. Lower Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

Plot 7-205. Lower Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

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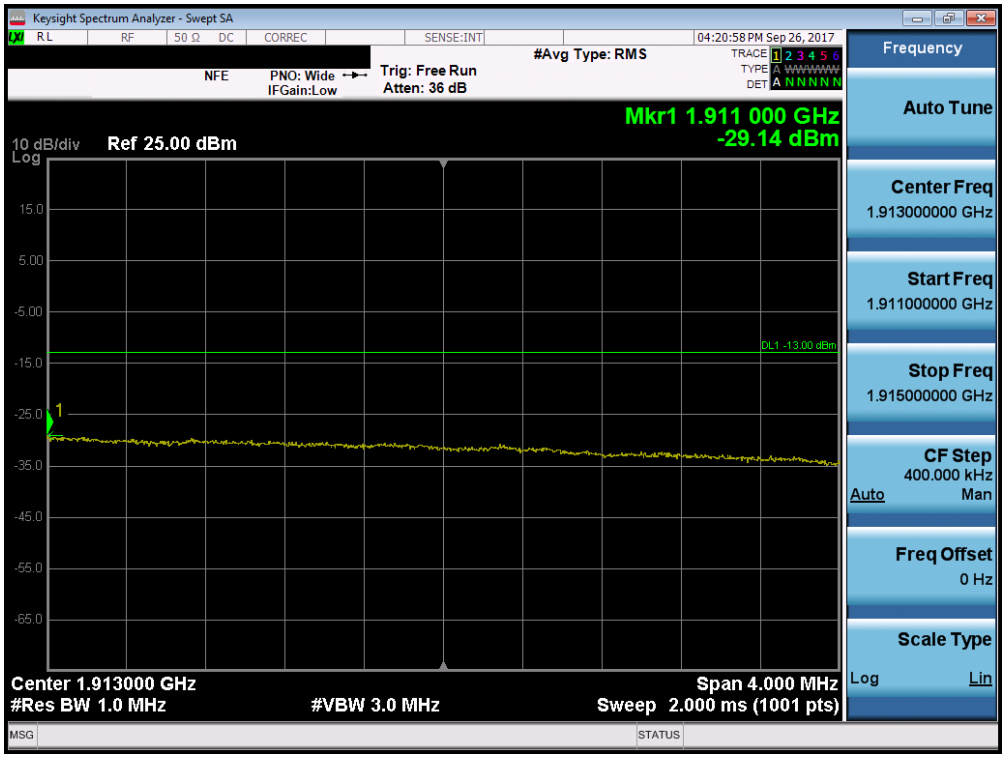
Plot 7-206. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-207. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

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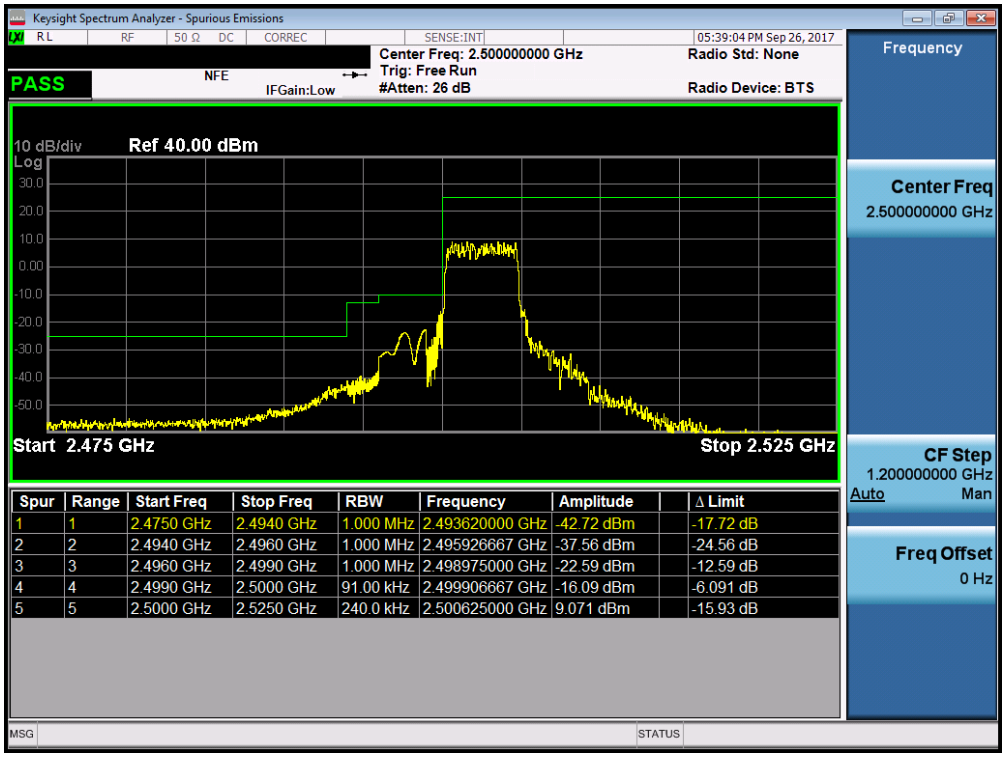
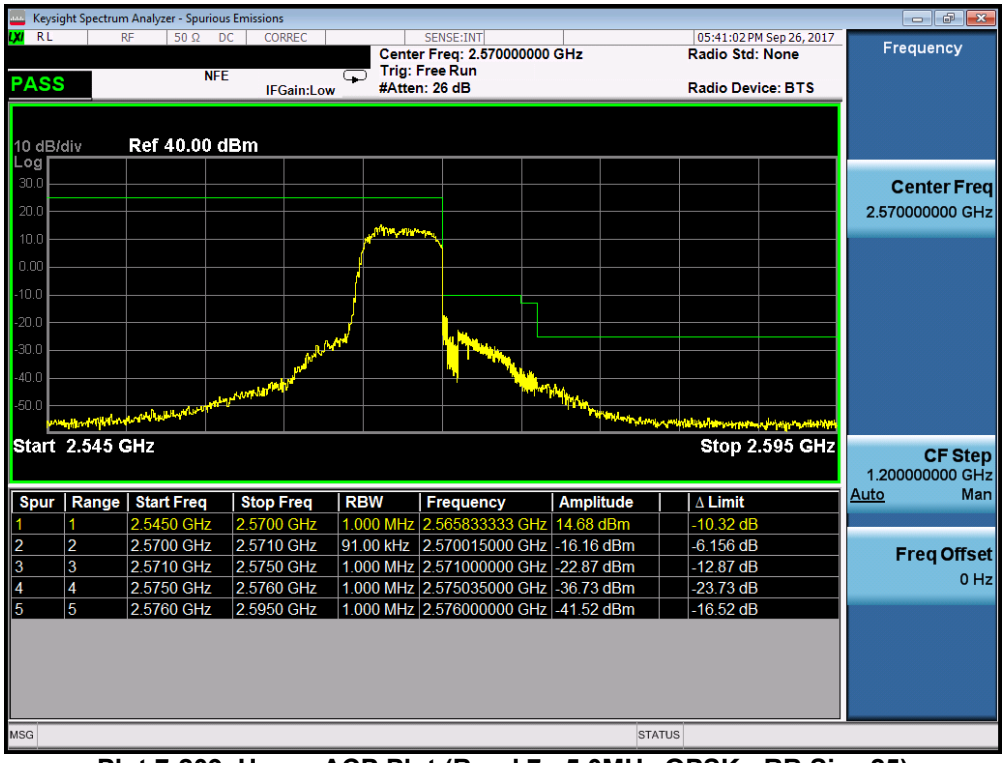
Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4940 GHz	1.000 MHz	2.493620000 GHz	-42.72 dBm	-17.72 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495926667 GHz	-37.56 dBm	-24.56 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498975000 GHz	-22.59 dBm	-12.59 dB
4	4	2.4990 GHz	2.5000 GHz	91.00 kHz	2.499906667 GHz	-16.09 dBm	-6.091 dB
5	5	2.5000 GHz	2.5250 GHz	240.0 kHz	2.500625000 GHz	9.071 dBm	-15.93 dB

Plot 7-208. Lower ACP Plot (Band 7 - 5.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5700 GHz	1.000 MHz	2.565833333 GHz	14.68 dBm	-10.32 dB
2	2	2.5700 GHz	2.5710 GHz	91.00 kHz	2.570015000 GHz	-16.16 dBm	-6.156 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571000000 GHz	-22.87 dBm	-12.87 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575035000 GHz	-36.73 dBm	-23.73 dB
5	5	2.5760 GHz	2.5950 GHz	1.000 MHz	2.576000000 GHz	-41.52 dBm	-16.52 dB

Plot 7-209. Upper ACP Plot (Band 7 - 5.0MHz QPSK - RB Size 25)

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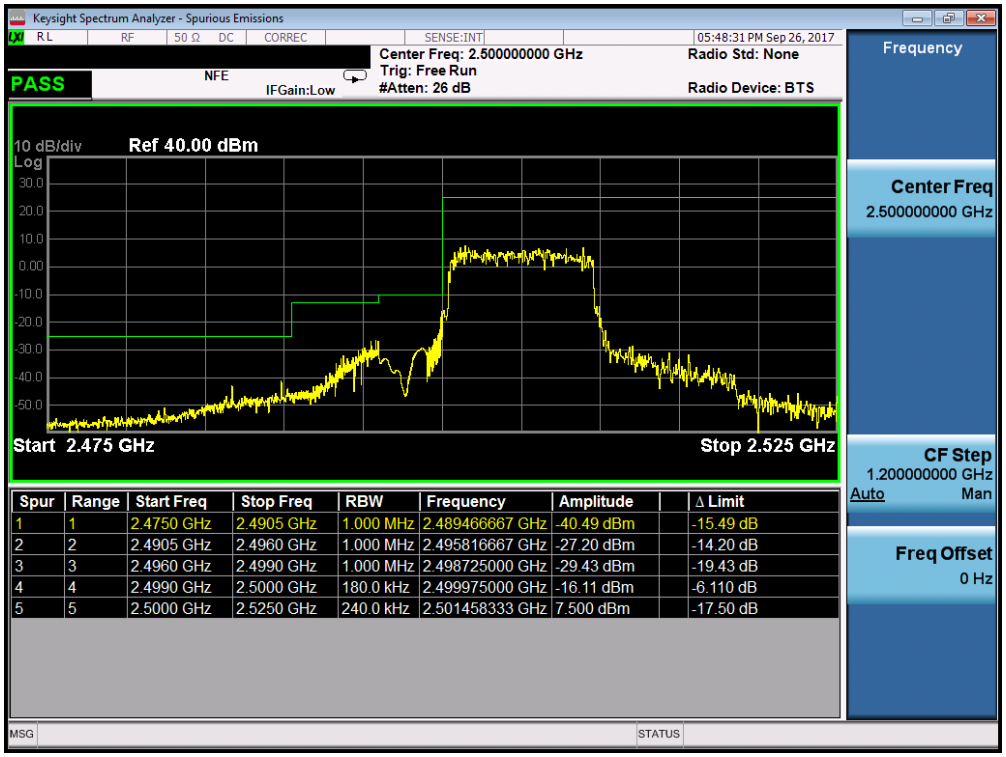
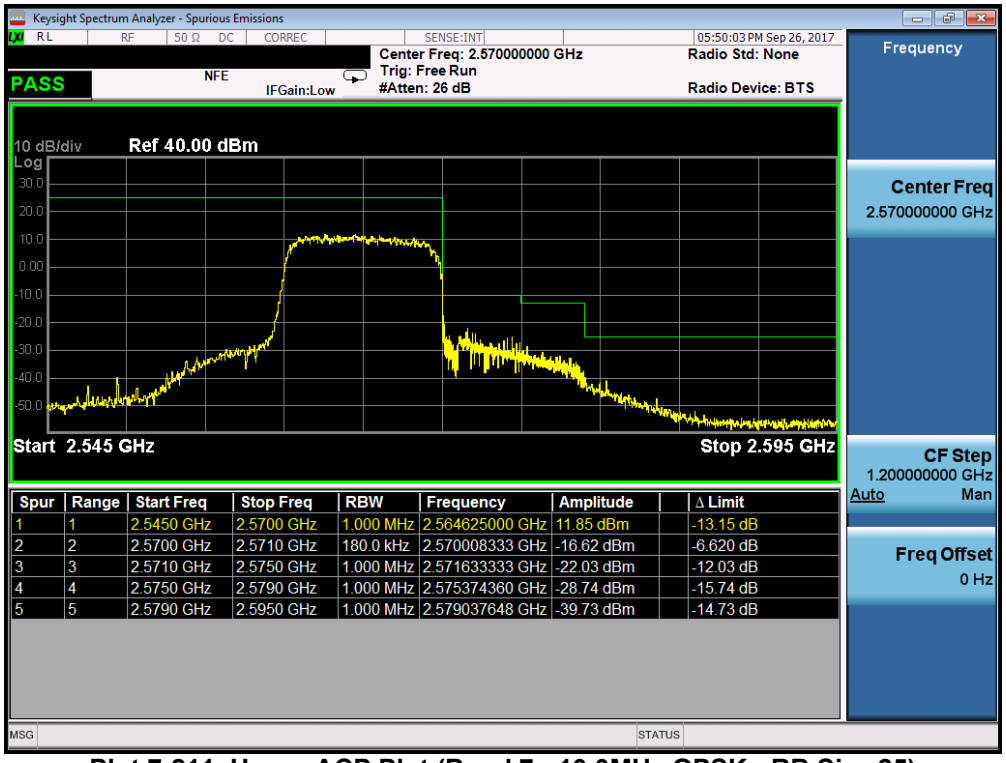
Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489466667 GHz	-40.49 dBm	-15.49 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495816667 GHz	-27.20 dBm	-14.20 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498725000 GHz	-29.43 dBm	-19.43 dB
4	4	2.4990 GHz	2.5000 GHz	180.0 kHz	2.499975000 GHz	-16.11 dBm	-6.110 dB
5	5	2.5000 GHz	2.5250 GHz	240.0 kHz	2.501458333 GHz	7.500 dBm	-17.50 dB

Plot 7-210. Lower ACP Plot (Band 7 - 10.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5700 GHz	1.000 MHz	2.564625000 GHz	11.85 dBm	-13.15 dB
2	2	2.5700 GHz	2.5710 GHz	180.0 kHz	2.570008333 GHz	-16.62 dBm	-6.620 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571633333 GHz	-22.03 dBm	-12.03 dB
4	4	2.5750 GHz	2.5790 GHz	1.000 MHz	2.575374360 GHz	-28.74 dBm	-15.74 dB
5	5	2.5790 GHz	2.5950 GHz	1.000 MHz	2.579037648 GHz	-39.73 dBm	-14.73 dB

Plot 7-211. Upper ACP Plot (Band 7 - 10.0MHz QPSK - RB Size 25)

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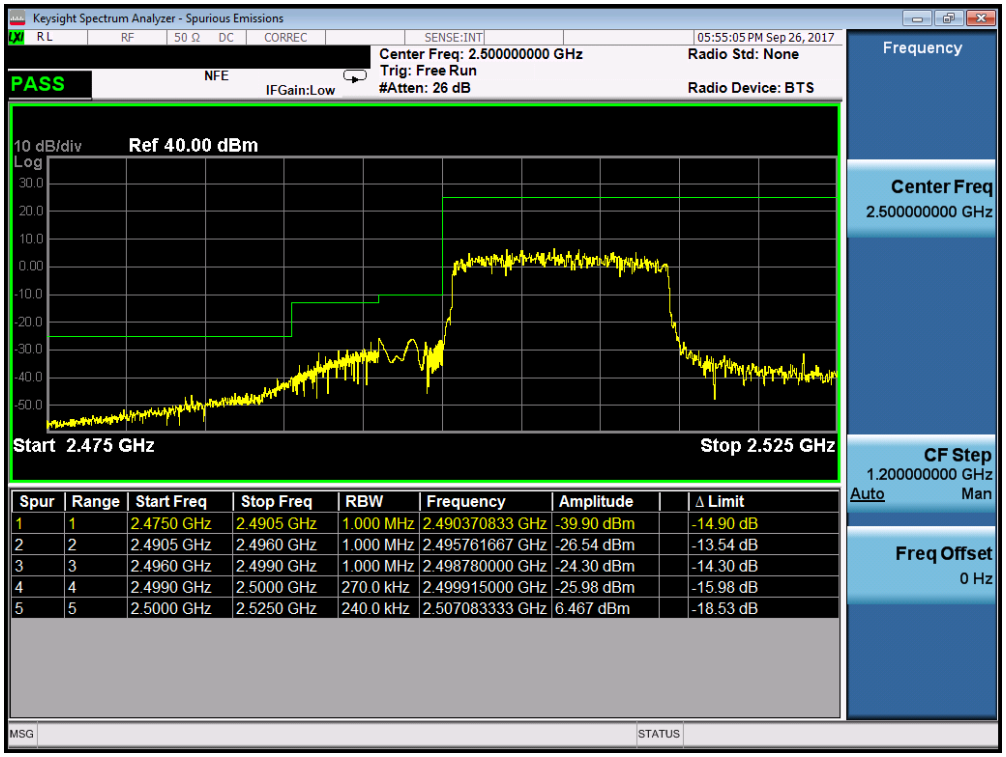
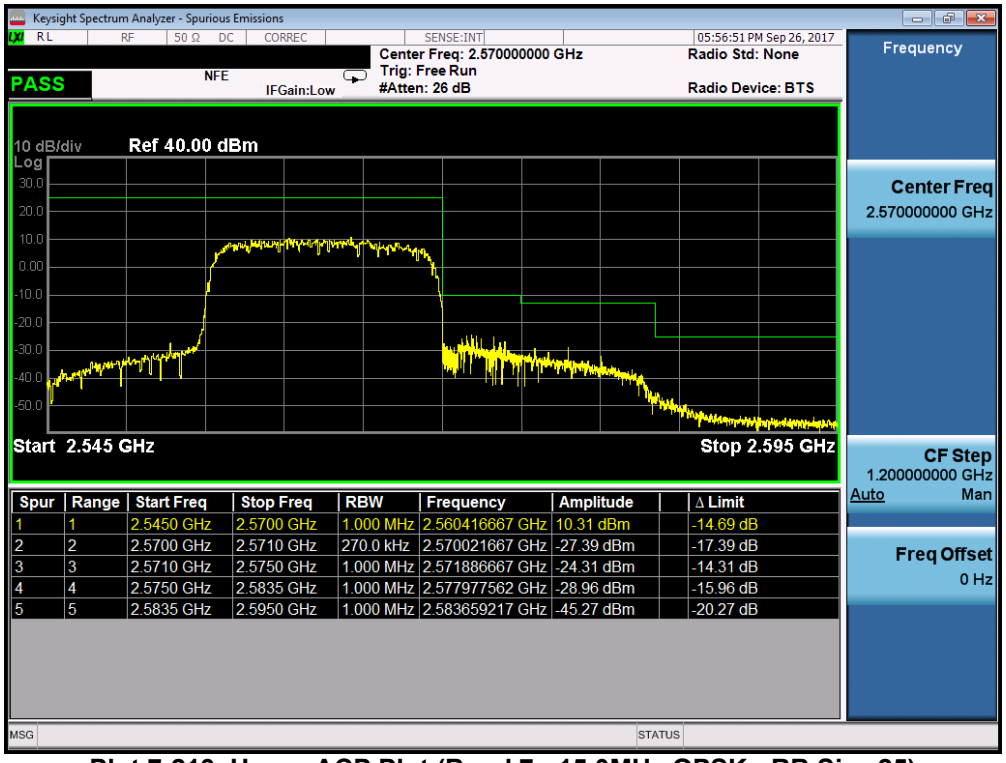
Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490370833 GHz	-39.90 dBm	-14.90 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495761667 GHz	-26.54 dBm	-13.54 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498780000 GHz	-24.30 dBm	-14.30 dB
4	4	2.4990 GHz	2.5000 GHz	270.0 kHz	2.499915000 GHz	-25.98 dBm	-15.98 dB
5	5	2.5000 GHz	2.5250 GHz	240.0 kHz	2.507083333 GHz	6.467 dBm	-18.53 dB

Plot 7-212. Lower ACP Plot (Band 7 - 15.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5700 GHz	1.000 MHz	2.560416667 GHz	10.31 dBm	-14.69 dB
2	2	2.5700 GHz	2.5710 GHz	270.0 kHz	2.570021667 GHz	-27.39 dBm	-17.39 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571886667 GHz	-24.31 dBm	-14.31 dB
4	4	2.5750 GHz	2.5835 GHz	1.000 MHz	2.577977562 GHz	-28.96 dBm	-15.96 dB
5	5	2.5835 GHz	2.5950 GHz	1.000 MHz	2.583659217 GHz	-45.27 dBm	-20.27 dB

Plot 7-213. Upper ACP Plot (Band 7 - 15.0MHz QPSK - RB Size 25)

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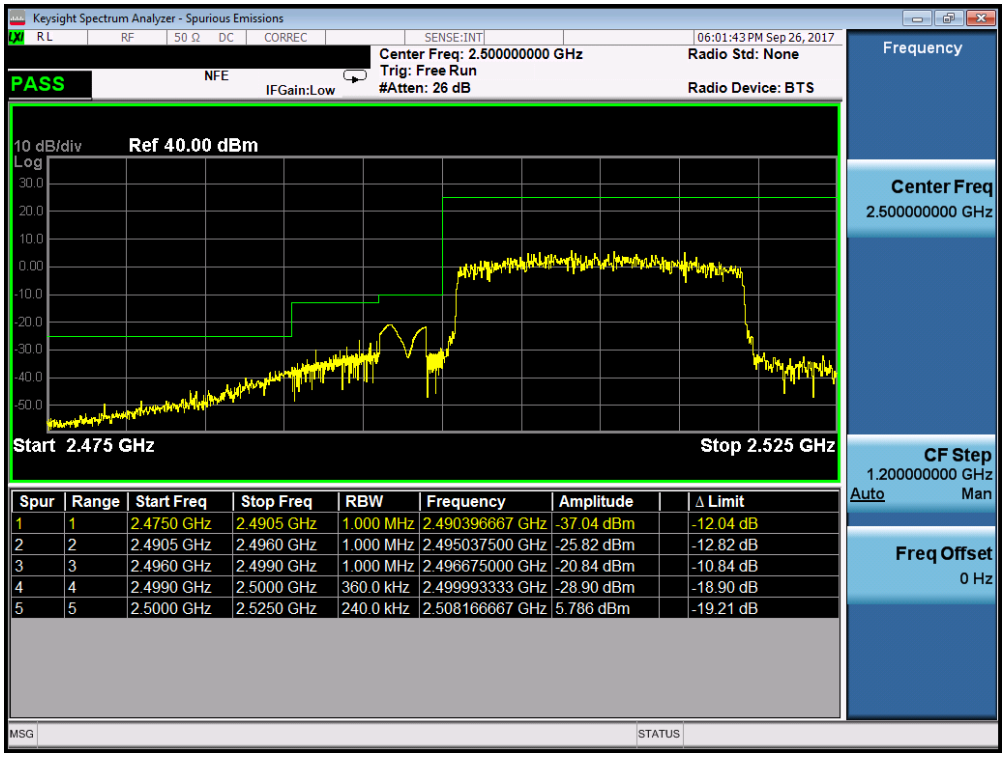
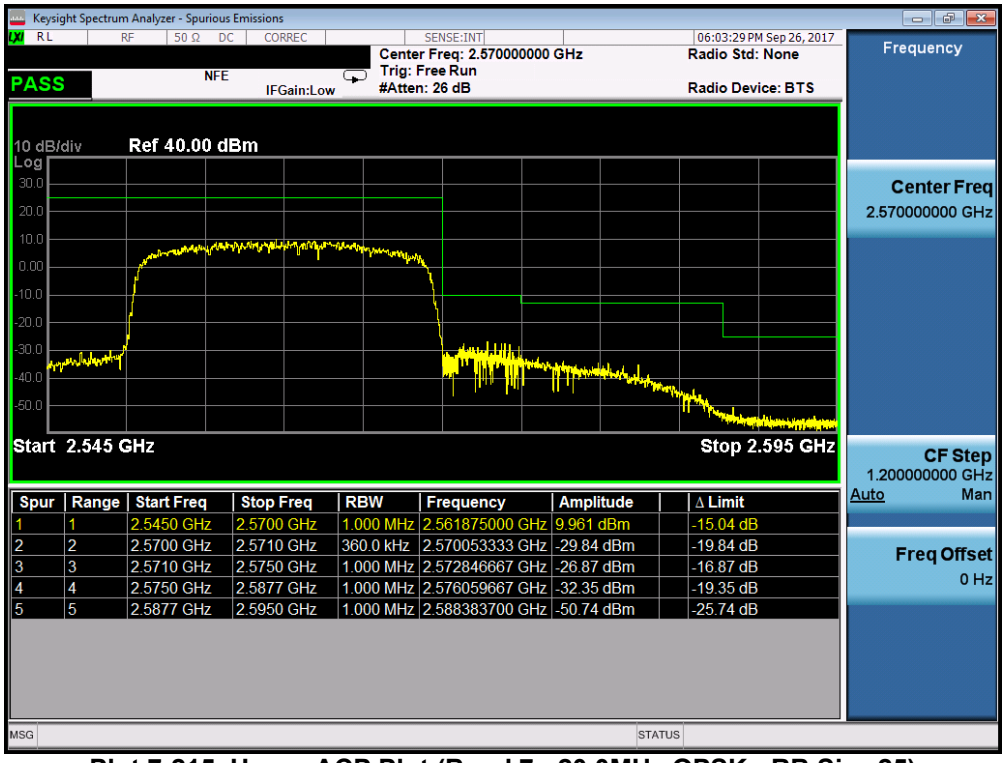
Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490396667 GHz	-37.04 dBm	-12.04 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495037500 GHz	-25.82 dBm	-12.82 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.496675000 GHz	-20.84 dBm	-10.84 dB
4	4	2.4990 GHz	2.5000 GHz	360.0 kHz	2.499993333 GHz	-28.90 dBm	-18.90 dB
5	5	2.5000 GHz	2.5250 GHz	240.0 kHz	2.508166667 GHz	5.786 dBm	-19.21 dB

Plot 7-214. Lower ACP Plot (Band 7 - 20.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5700 GHz	1.000 MHz	2.561875000 GHz	9.961 dBm	-15.04 dB
2	2	2.5700 GHz	2.5710 GHz	360.0 kHz	2.570053333 GHz	-29.84 dBm	-19.84 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.572846667 GHz	-26.87 dBm	-16.87 dB
4	4	2.5750 GHz	2.5877 GHz	1.000 MHz	2.576059667 GHz	-32.35 dBm	-19.35 dB
5	5	2.5877 GHz	2.5950 GHz	1.000 MHz	2.588383700 GHz	-50.74 dBm	-25.74 dB

Plot 7-215. Upper ACP Plot (Band 7 - 20.0MHz QPSK - RB Size 25)

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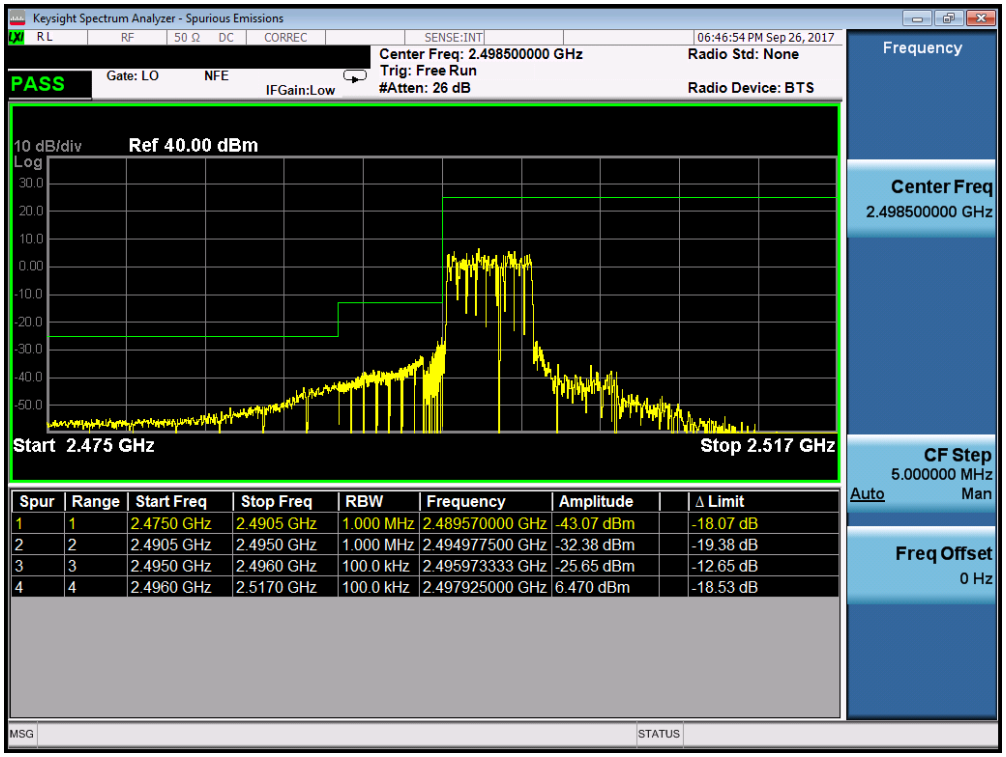
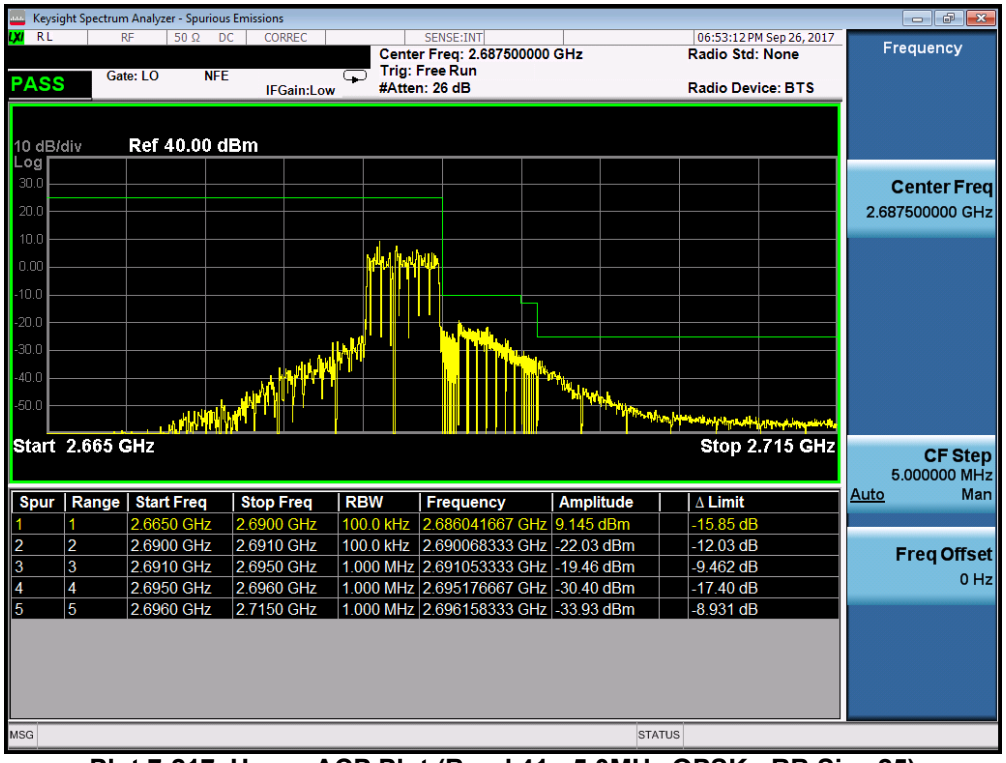
Band 41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489570000 GHz	-43.07 dBm	-18.07 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494977500 GHz	-32.38 dBm	-19.38 dB
3	3	2.4950 GHz	2.4960 GHz	100.0 kHz	2.495973333 GHz	-25.65 dBm	-12.65 dB
4	4	2.4960 GHz	2.5170 GHz	100.0 kHz	2.497925000 GHz	6.470 dBm	-18.53 dB

Plot 7-216. Lower ACP Plot at 2496 MHz (Band 41 - 5.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	100.0 kHz	2.686041667 GHz	9.145 dBm	-15.85 dB
2	2	2.6900 GHz	2.6910 GHz	100.0 kHz	2.690068333 GHz	-22.03 dBm	-12.03 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691053333 GHz	-19.46 dBm	-9.462 dB
4	4	2.6950 GHz	2.6960 GHz	1.000 MHz	2.695176667 GHz	-30.40 dBm	-17.40 dB
5	5	2.6960 GHz	2.7150 GHz	1.000 MHz	2.696158333 GHz	-33.93 dBm	-8.931 dB

Plot 7-217. Upper ACP Plot (Band 41 - 5.0MHz QPSK - RB Size 25)

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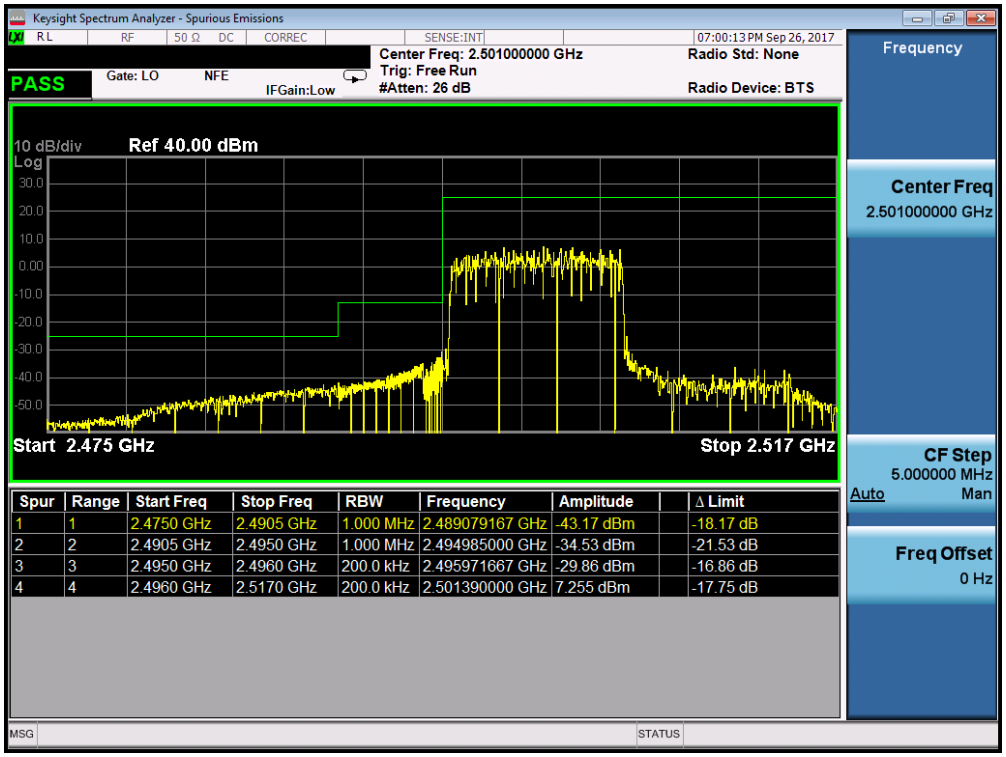
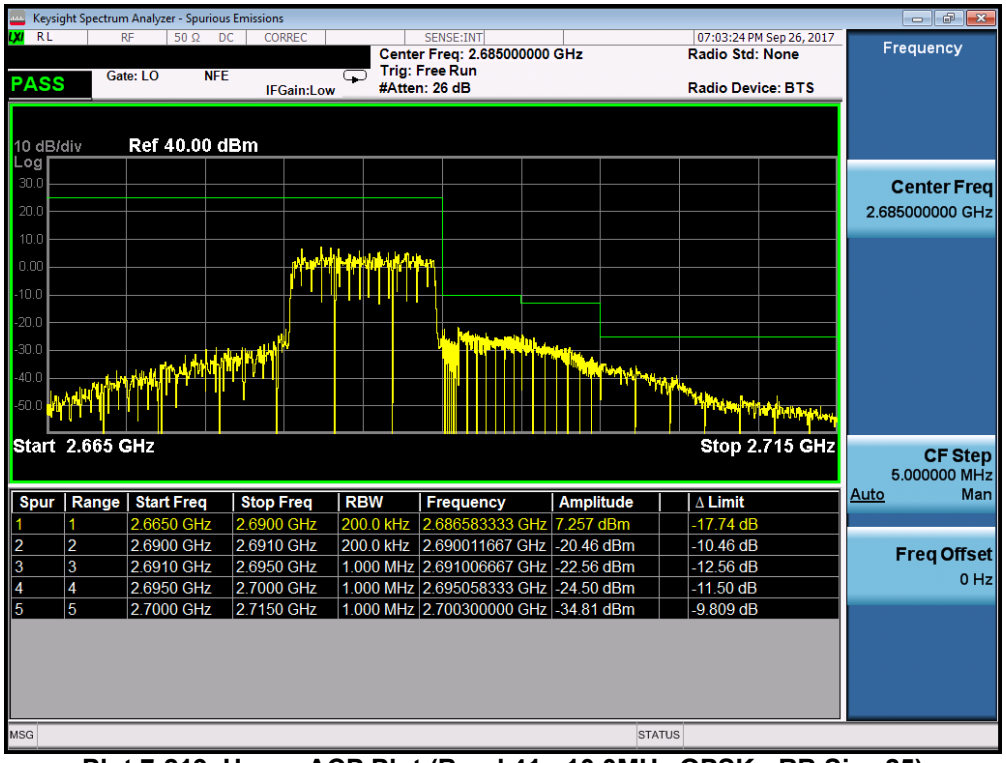
Band 41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489079167 GHz	-43.17 dBm	-18.17 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494985000 GHz	-34.53 dBm	-21.53 dB
3	3	2.4950 GHz	2.4960 GHz	200.0 kHz	2.495971667 GHz	-29.86 dBm	-16.86 dB
4	4	2.4960 GHz	2.5170 GHz	200.0 kHz	2.501390000 GHz	7.255 dBm	-17.75 dB

Plot 7-218. Lower ACP Plot at 2496 MHz (Band 41 - 10.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	200.0 kHz	2.686583333 GHz	7.257 dBm	-17.74 dB
2	2	2.6900 GHz	2.6910 GHz	200.0 kHz	2.690011667 GHz	-20.46 dBm	-10.46 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691006667 GHz	-22.56 dBm	-12.56 dB
4	4	2.6950 GHz	2.7000 GHz	1.000 MHz	2.695058333 GHz	-24.50 dBm	-11.50 dB
5	5	2.7000 GHz	2.7150 GHz	1.000 MHz	2.700300000 GHz	-34.81 dBm	-9.809 dB

Plot 7-219. Upper ACP Plot (Band 41 - 10.0MHz QPSK - RB Size 25)

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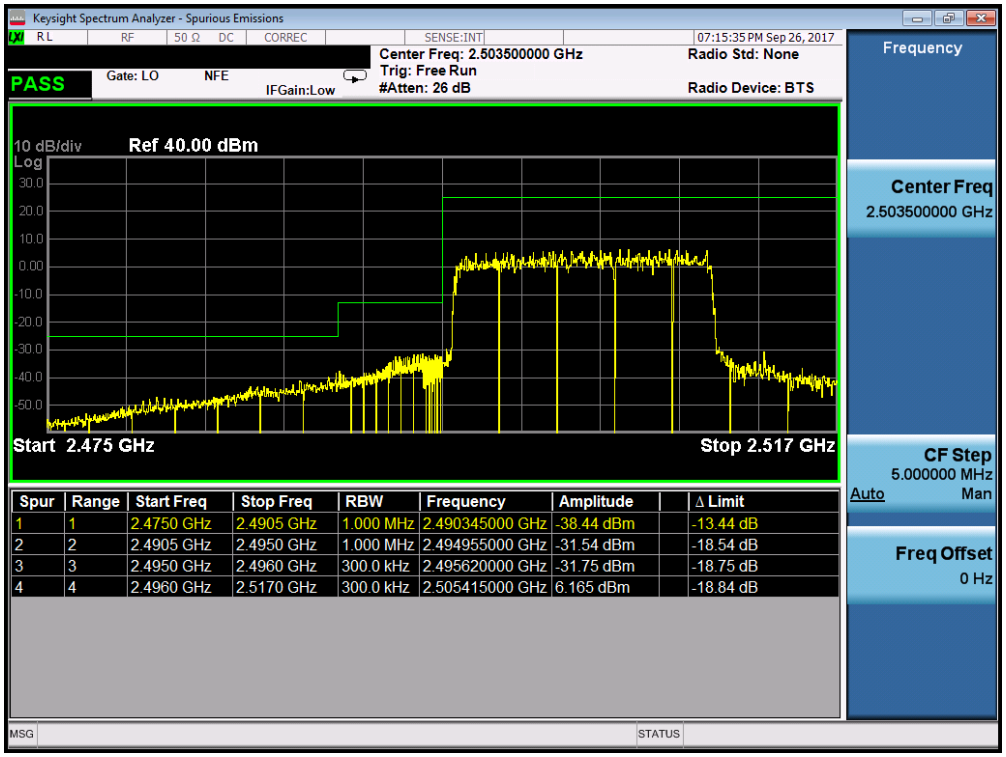
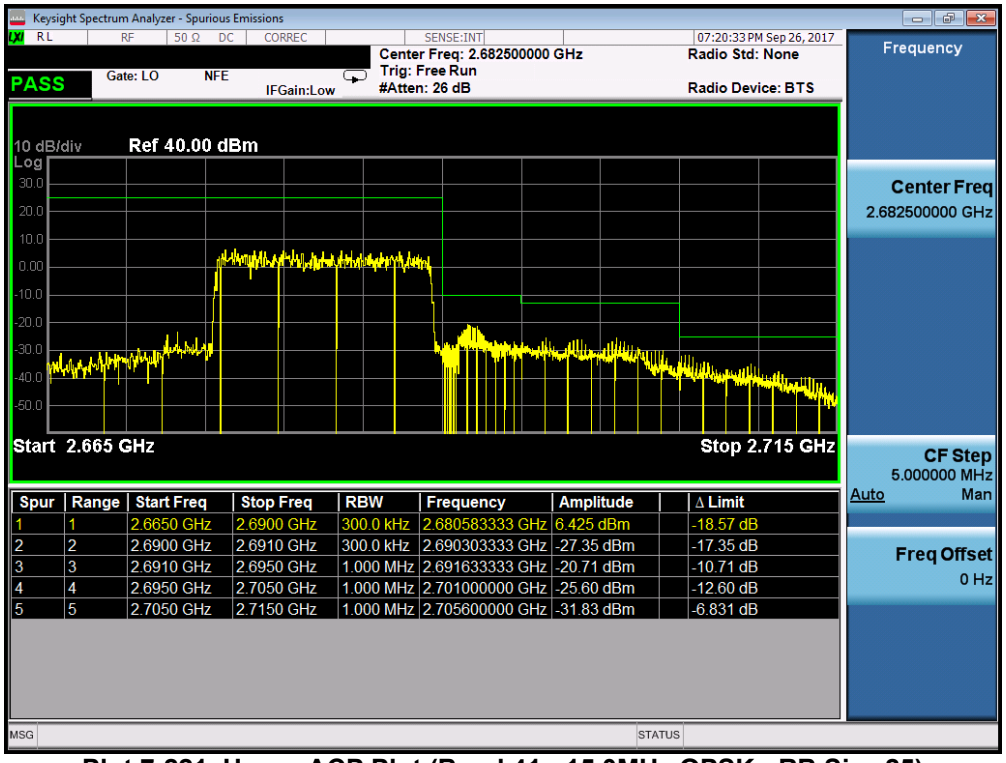
Band 41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490345000 GHz	-38.44 dBm	-13.44 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494955000 GHz	-31.54 dBm	-18.54 dB
3	3	2.4950 GHz	2.4960 GHz	300.0 kHz	2.495620000 GHz	-31.75 dBm	-18.75 dB
4	4	2.4960 GHz	2.5170 GHz	300.0 kHz	2.505415000 GHz	6.165 dBm	-18.84 dB

Plot 7-220. Lower ACP Plot at 2496 MHz (Band 41 - 15.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	300.0 kHz	2.680583333 GHz	6.425 dBm	-18.57 dB
2	2	2.6900 GHz	2.6910 GHz	300.0 kHz	2.690303333 GHz	-27.35 dBm	-17.35 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691633333 GHz	-20.71 dBm	-10.71 dB
4	4	2.6950 GHz	2.7050 GHz	1.000 MHz	2.701000000 GHz	-25.60 dBm	-12.60 dB
5	5	2.7050 GHz	2.7150 GHz	1.000 MHz	2.705600000 GHz	-31.83 dBm	-6.831 dB

Plot 7-221. Upper ACP Plot (Band 41 - 15.0MHz QPSK - RB Size 25)

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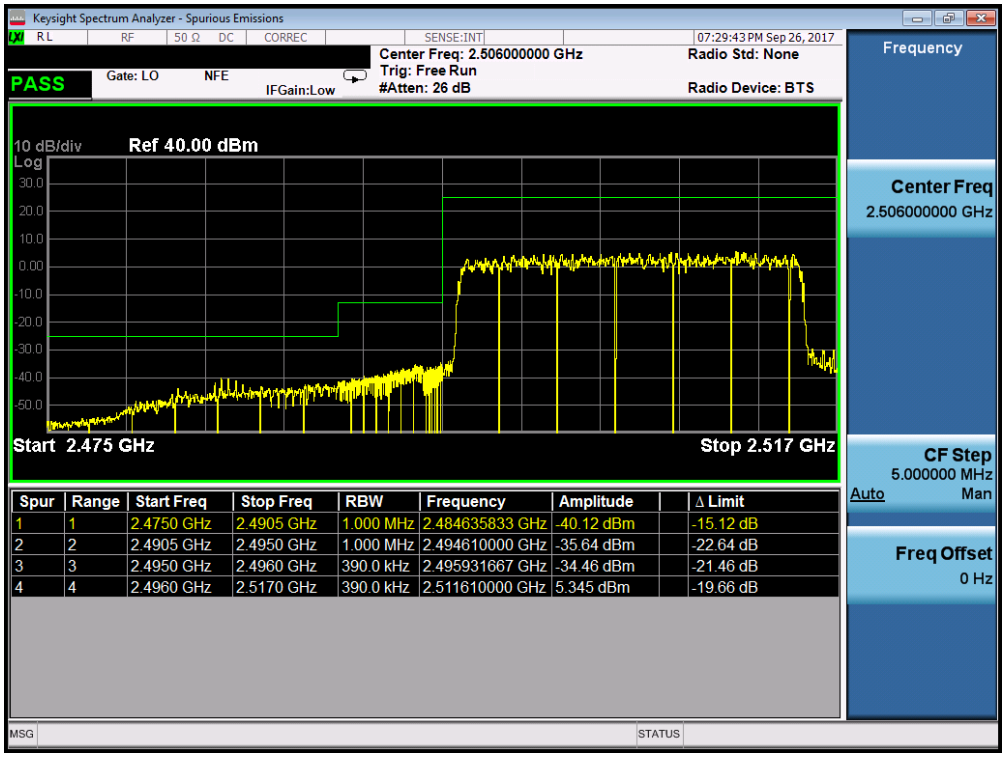
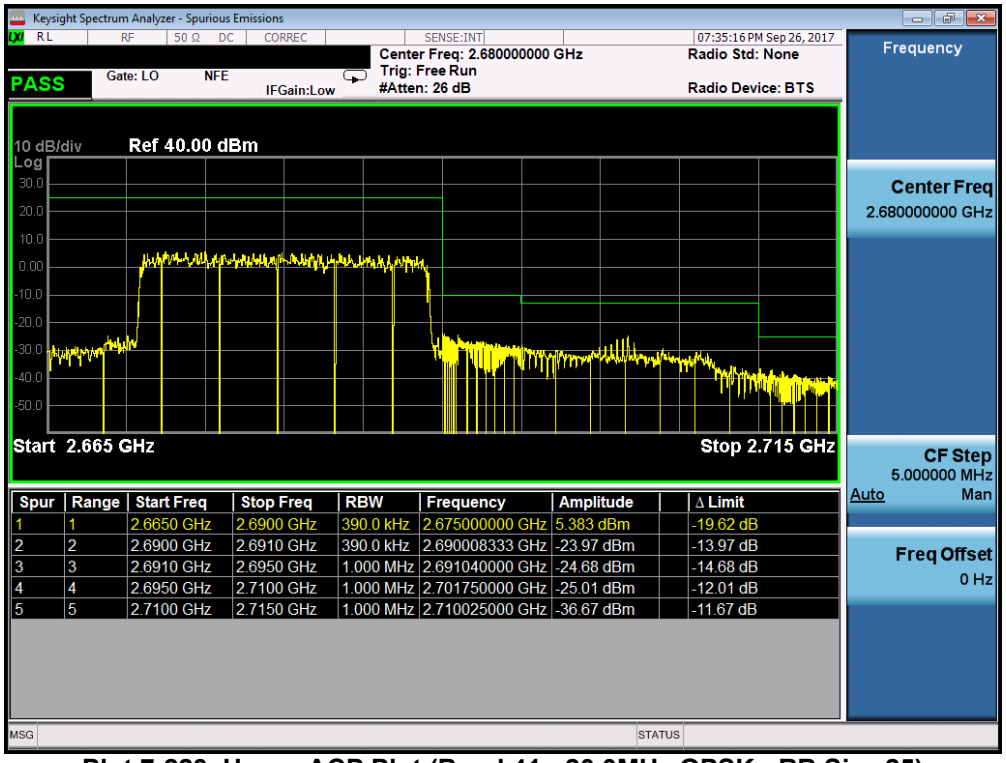
Band 41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.484635833 GHz	-40.12 dBm	-15.12 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494610000 GHz	-35.64 dBm	-22.64 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495931667 GHz	-34.46 dBm	-21.46 dB
4	4	2.4960 GHz	2.5170 GHz	390.0 kHz	2.511610000 GHz	5.345 dBm	-19.66 dB

Plot 7-222. Lower ACP Plot at 2496 MHz (Band 41 - 20.0MHz QPSK - RB Size 25)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	390.0 kHz	2.675000000 GHz	5.383 dBm	-19.62 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690008333 GHz	-23.97 dBm	-13.97 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691040000 GHz	-24.68 dBm	-14.68 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.701750000 GHz	-25.01 dBm	-12.01 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.710025000 GHz	-36.67 dBm	-11.67 dB

Plot 7-223. Upper ACP Plot (Band 41 - 20.0MHz QPSK - RB Size 25)

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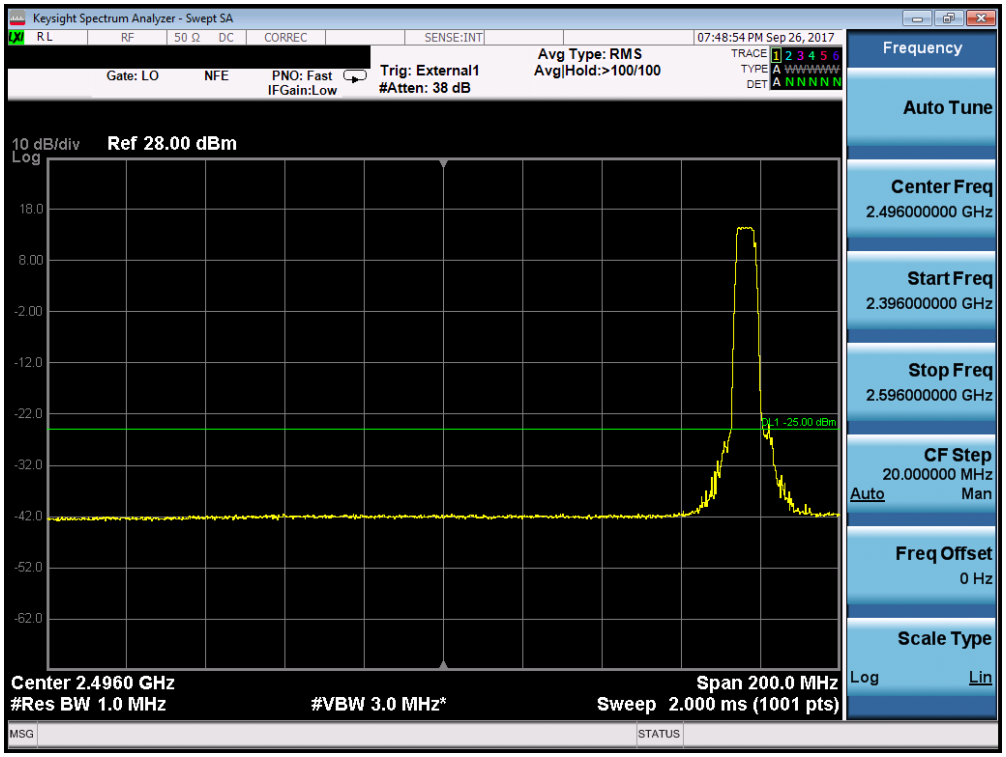
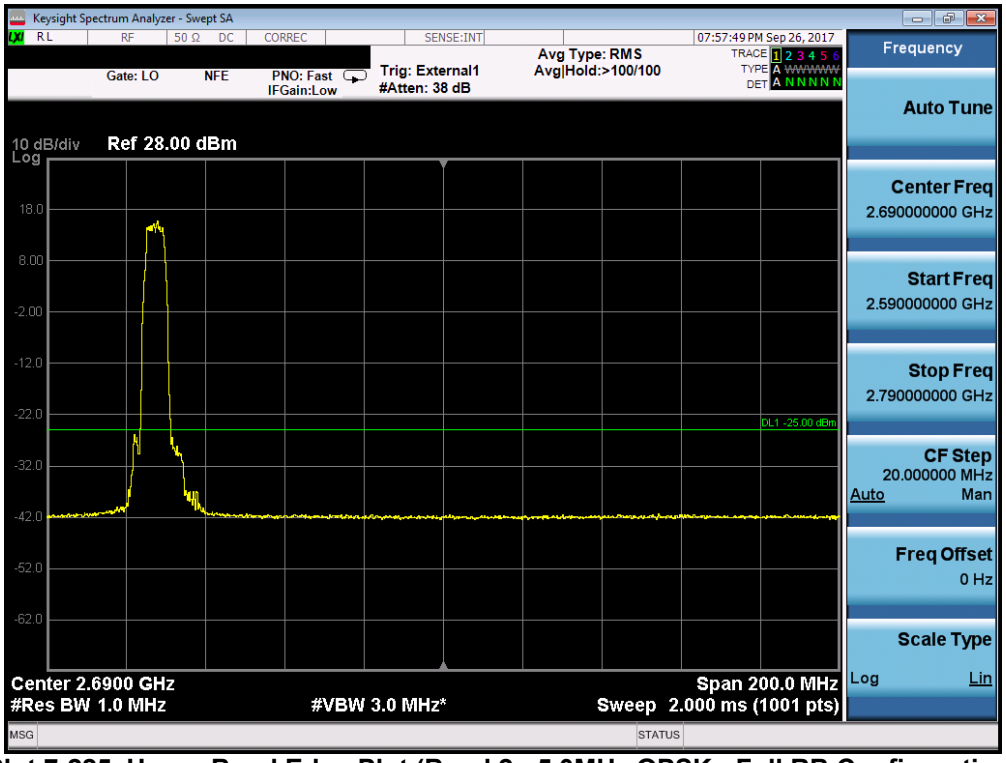
Band 38



Plot 7-224. Lower Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-225. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

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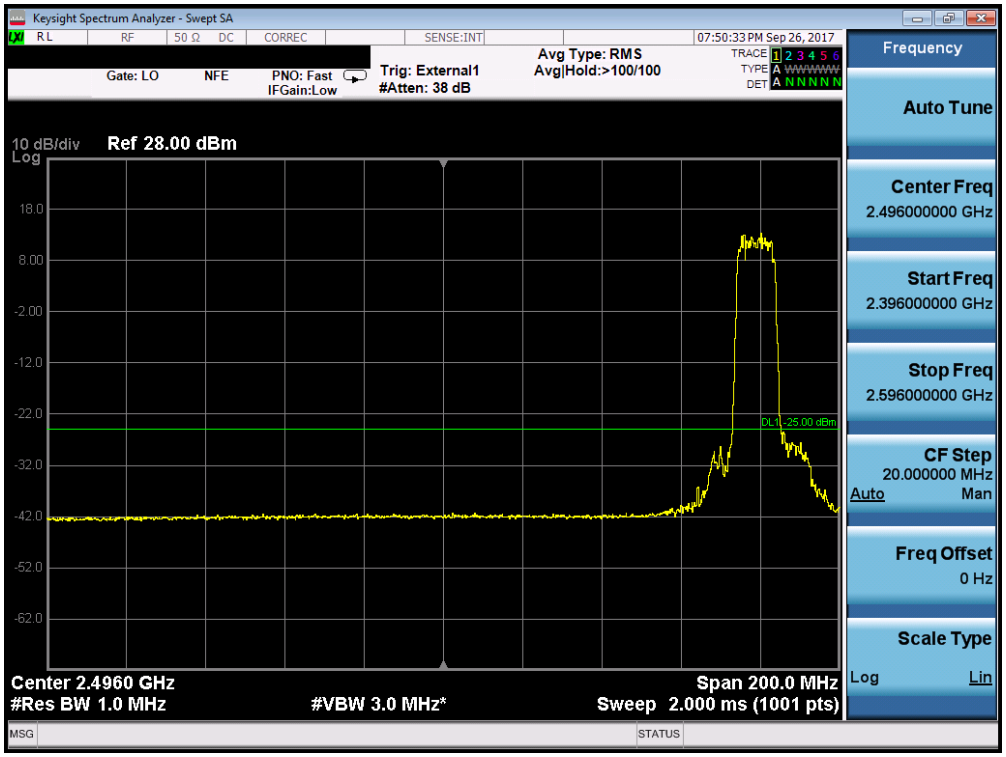
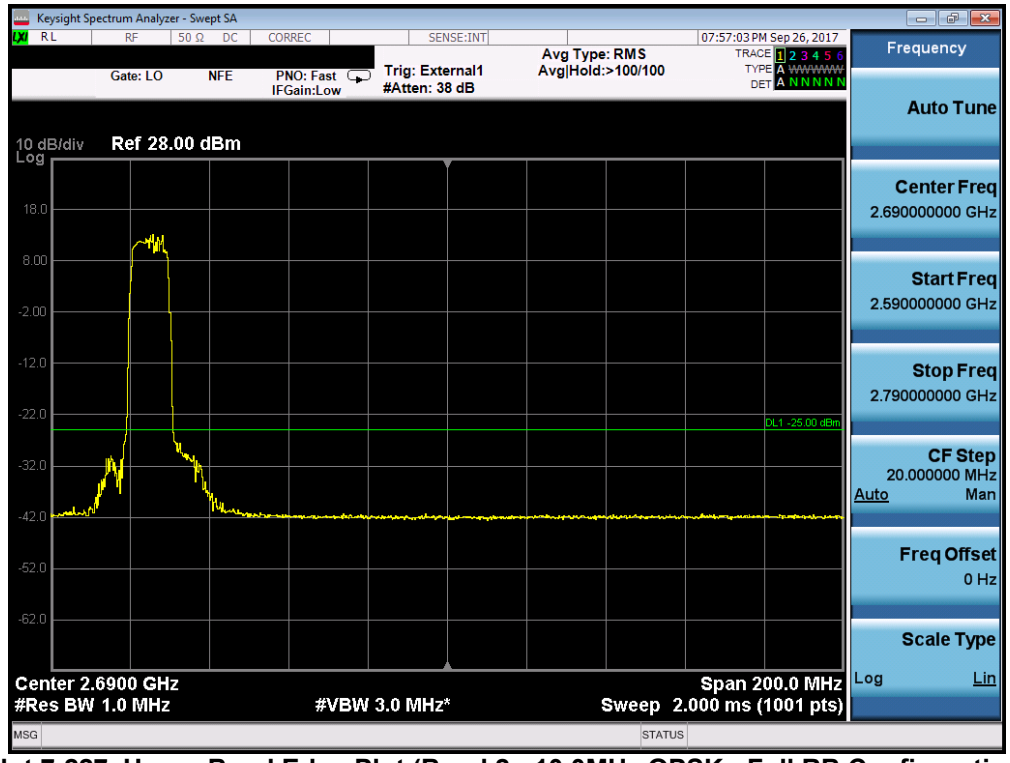
Band 38



Plot 7-226. Lower Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-227. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

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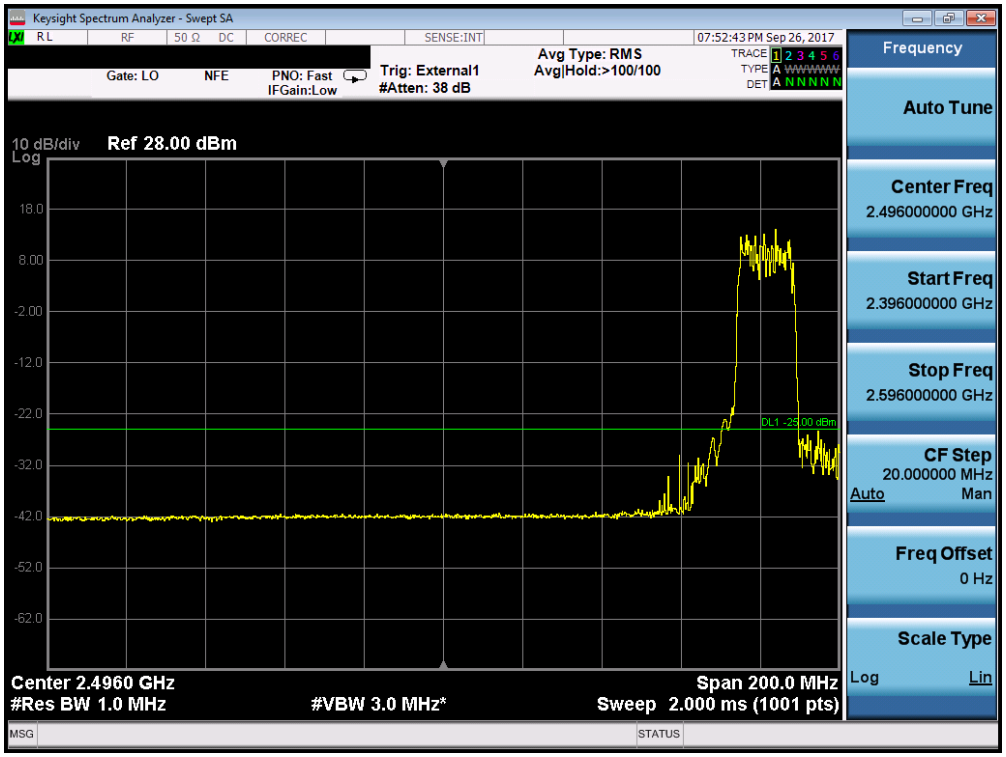
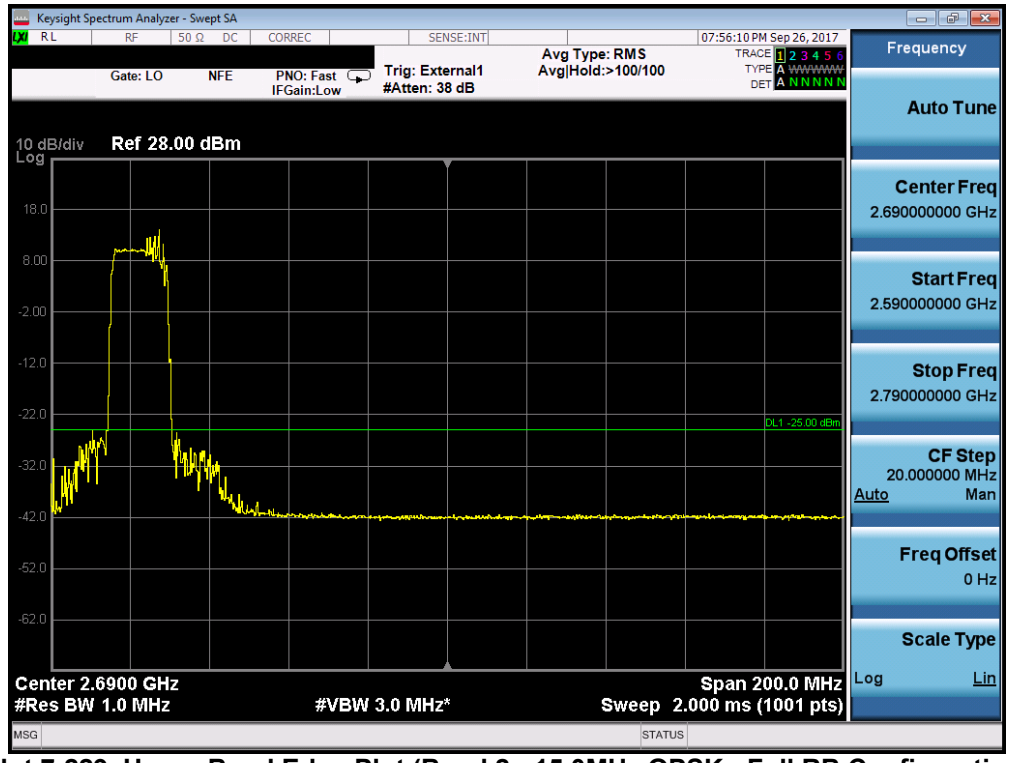
Band 38



Plot 7-228. Lower Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-229. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

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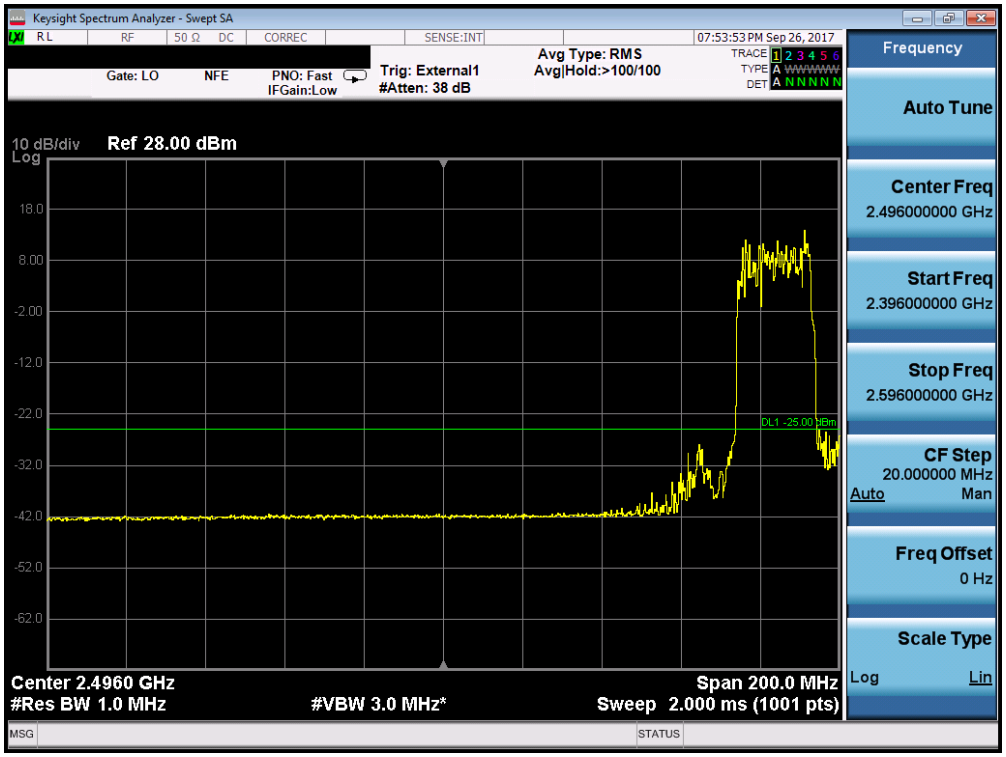
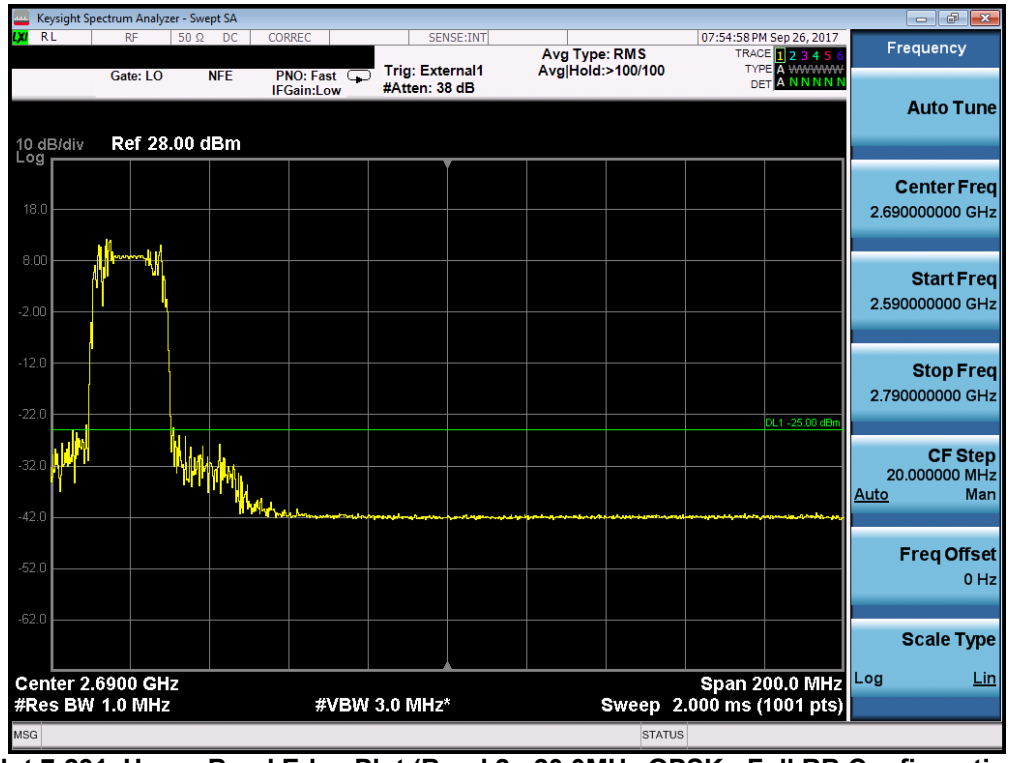
Band 38



Plot 7-230. Lower Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-231. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

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