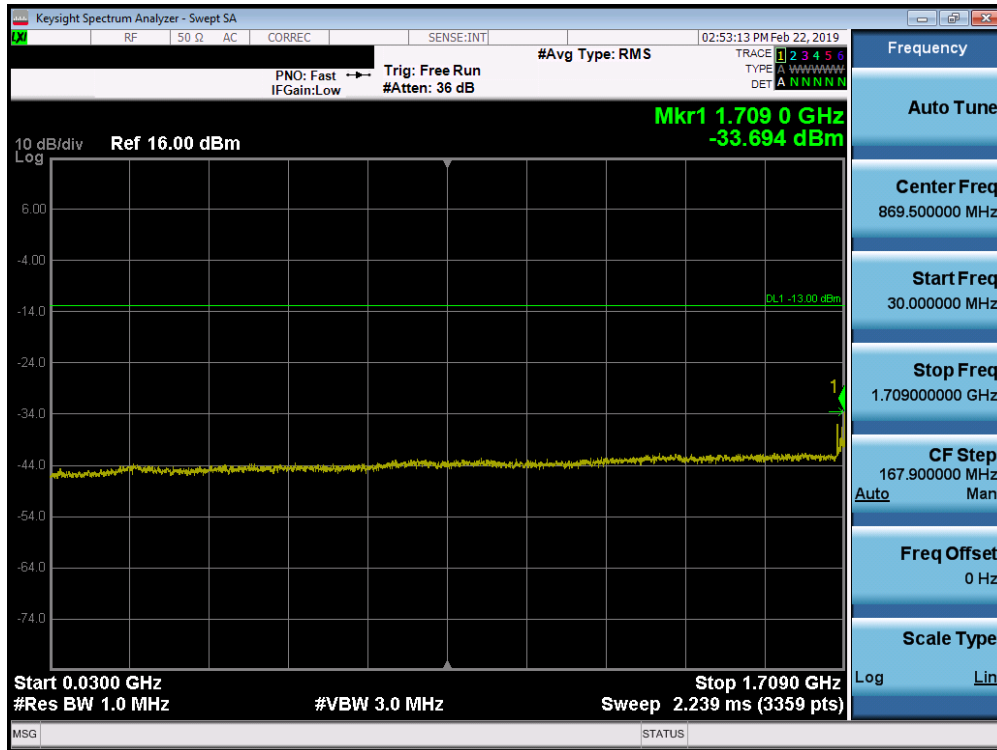
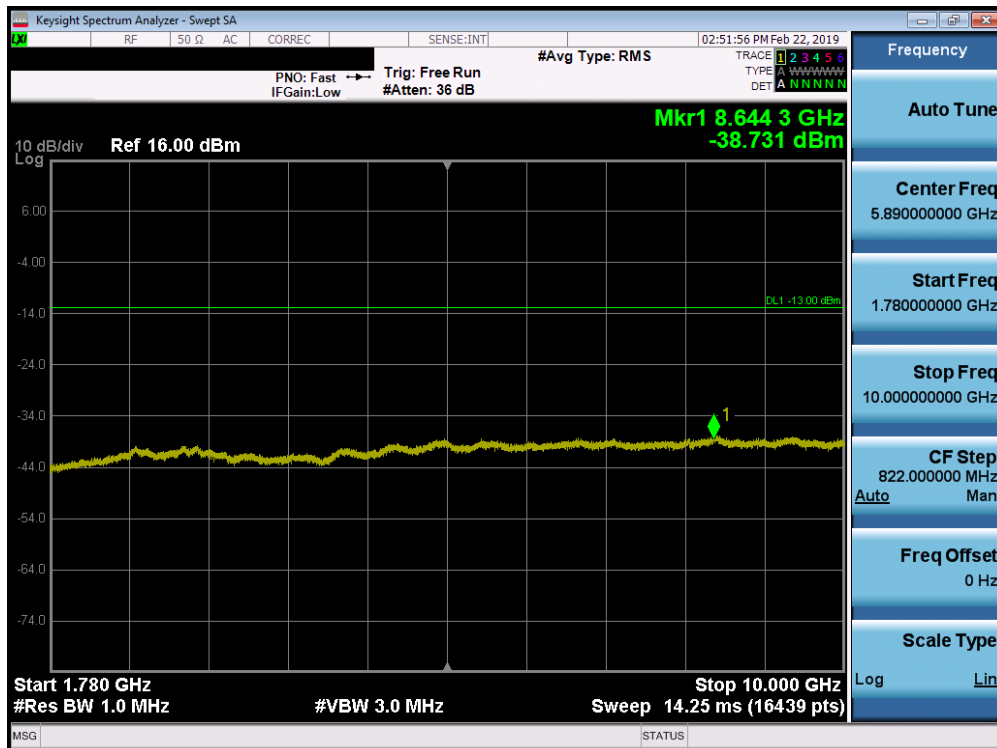


Band 66/4



Plot 7-67. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

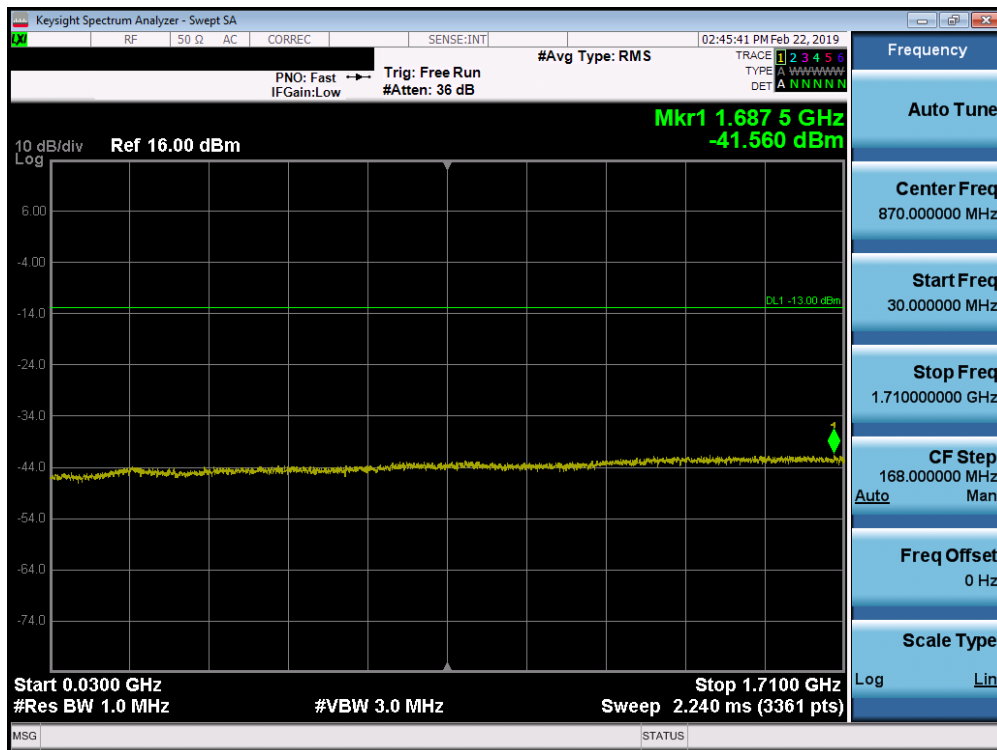


Plot 7-68. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 51 of 152

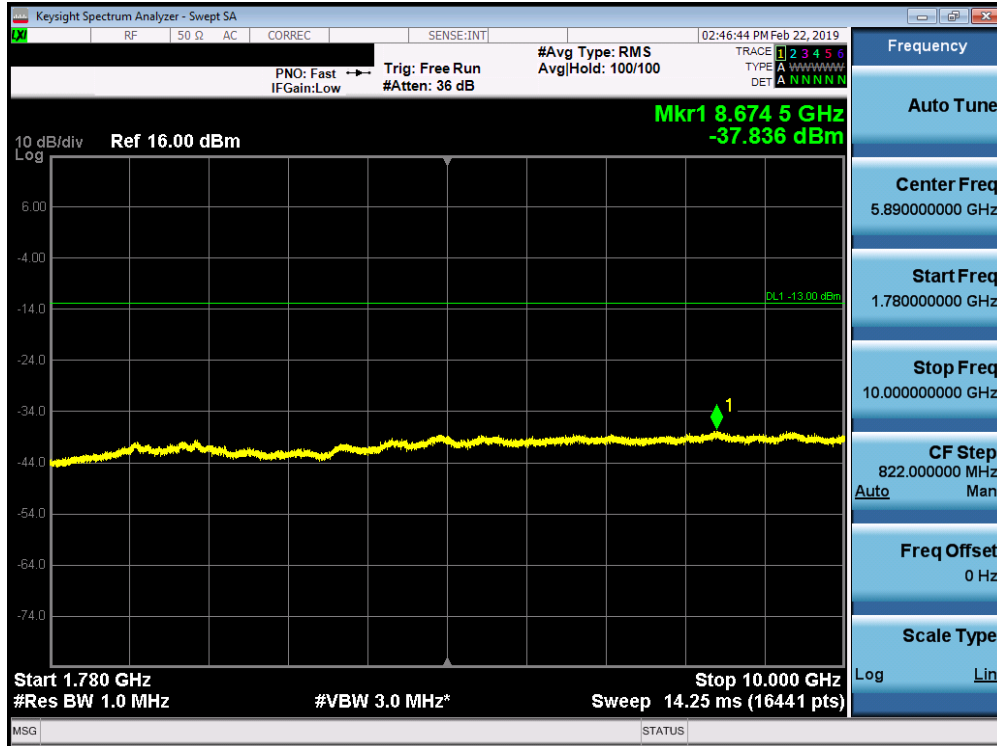


Plot 7-69. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

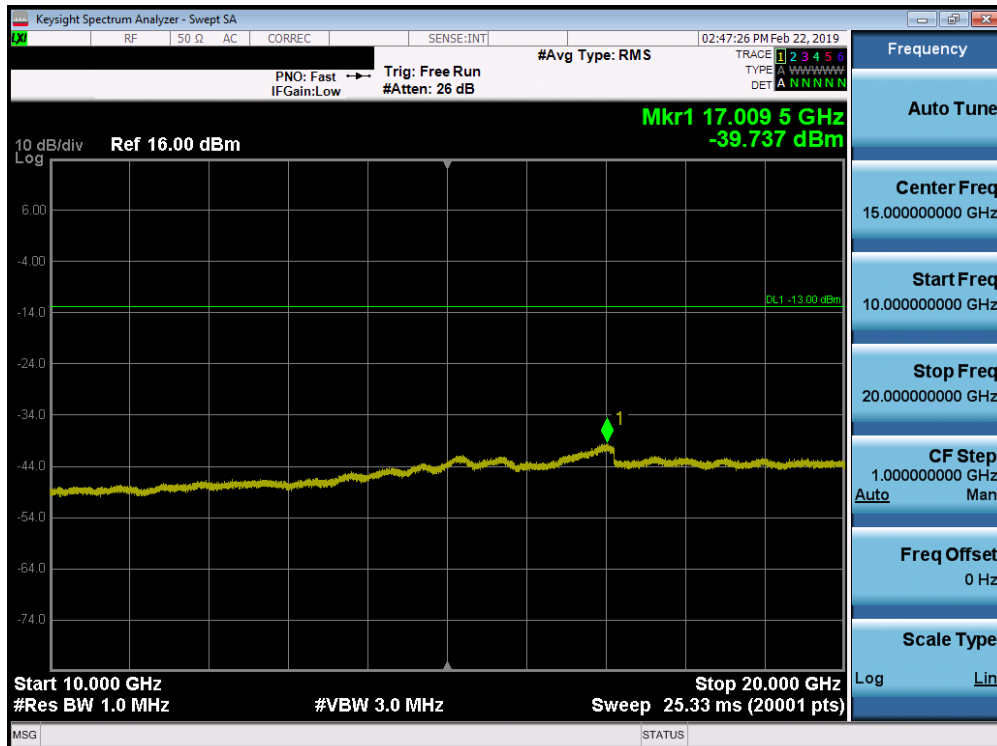


Plot 7-70. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 52 of 152

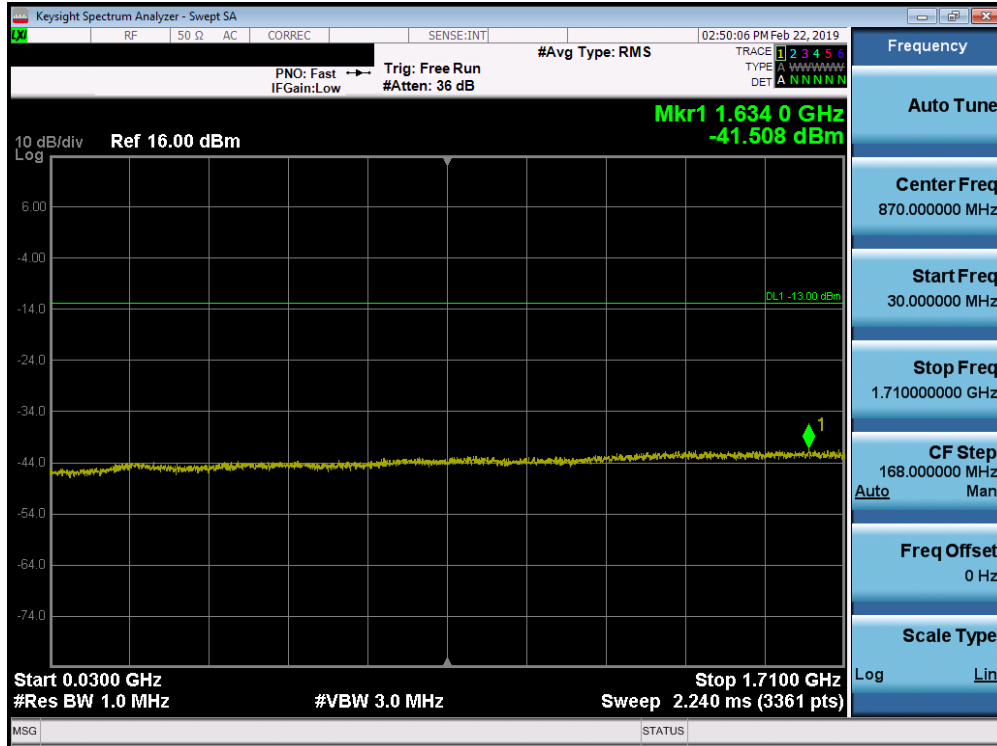


Plot 7-71. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

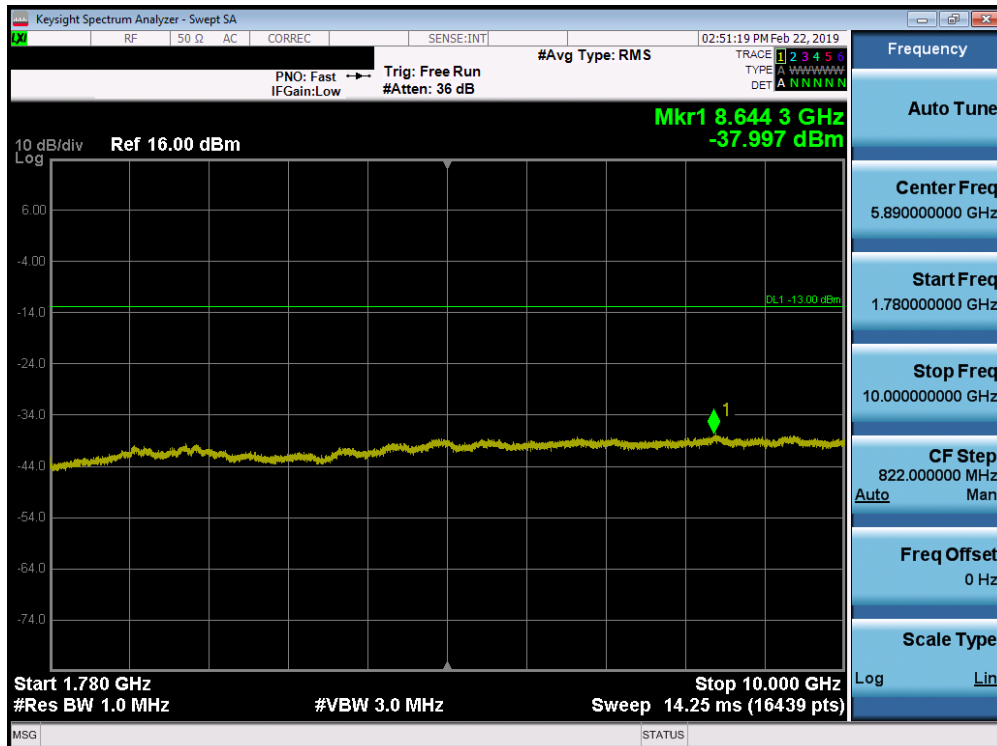


Plot 7-72. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 53 of 152

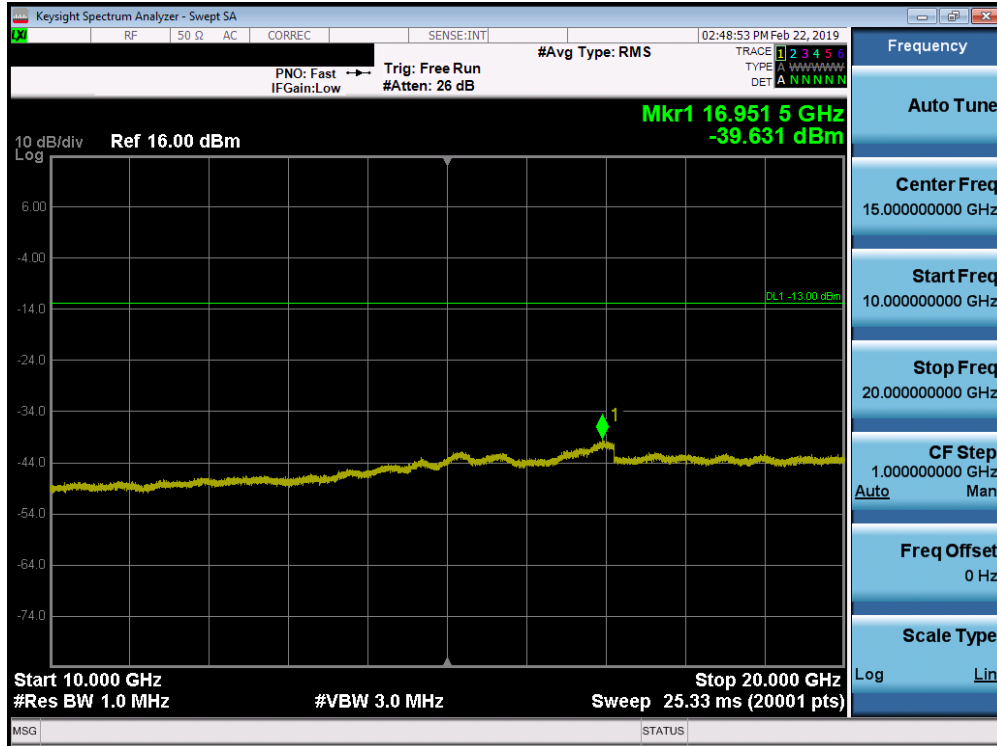


Plot 7-73. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-74. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

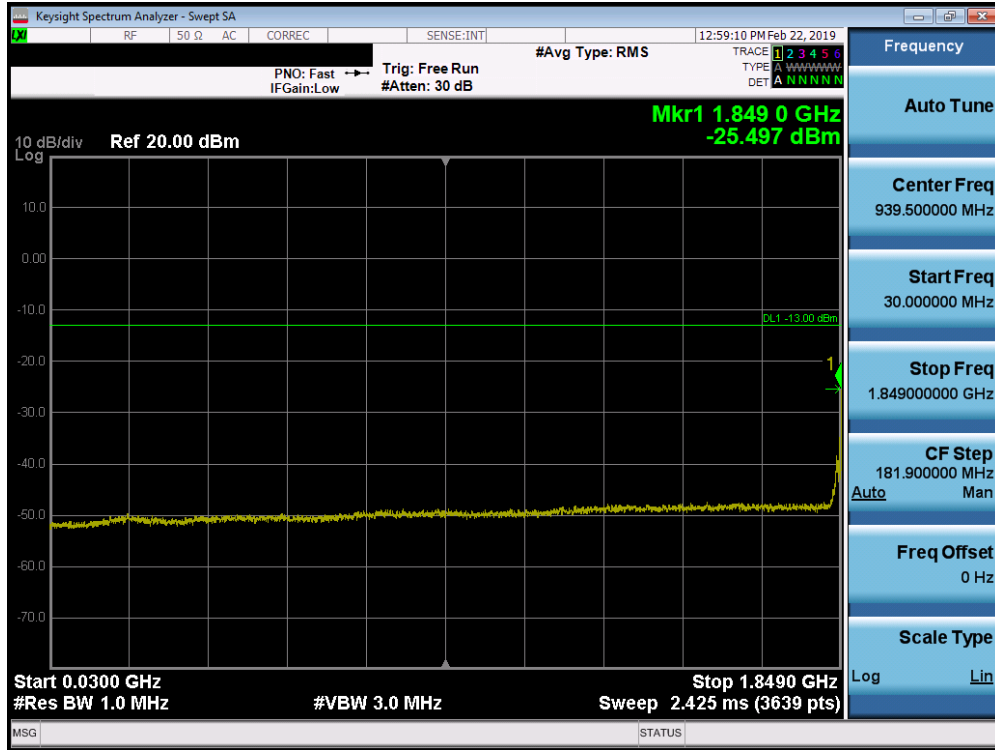
FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 54 of 152



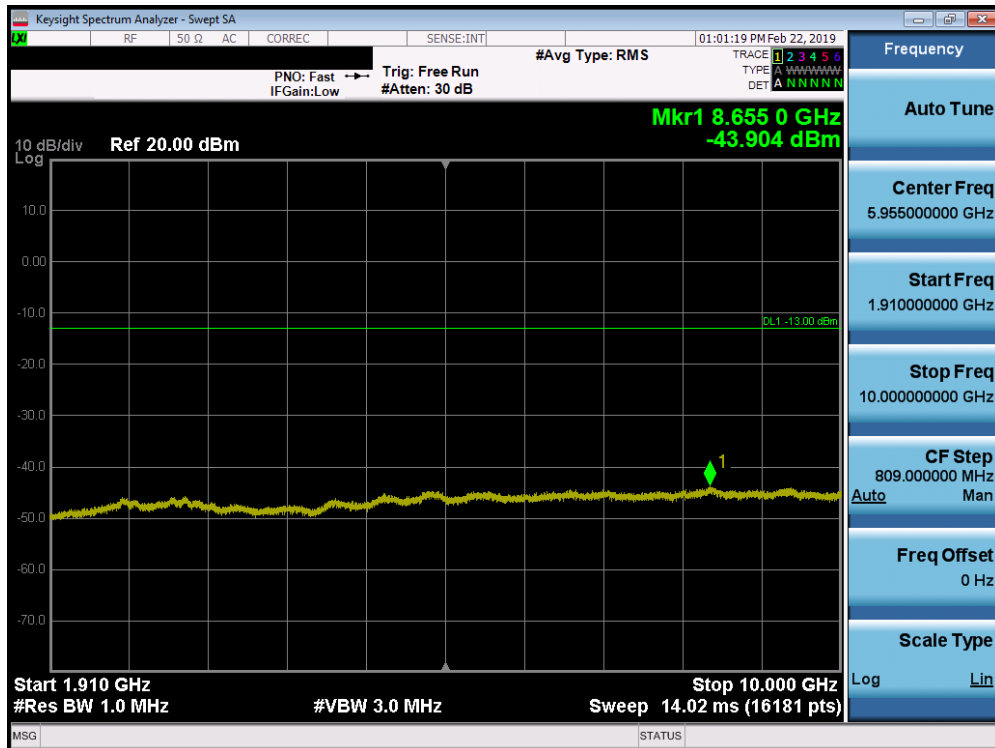
Plot 7-75. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 55 of 152

Band 25/2

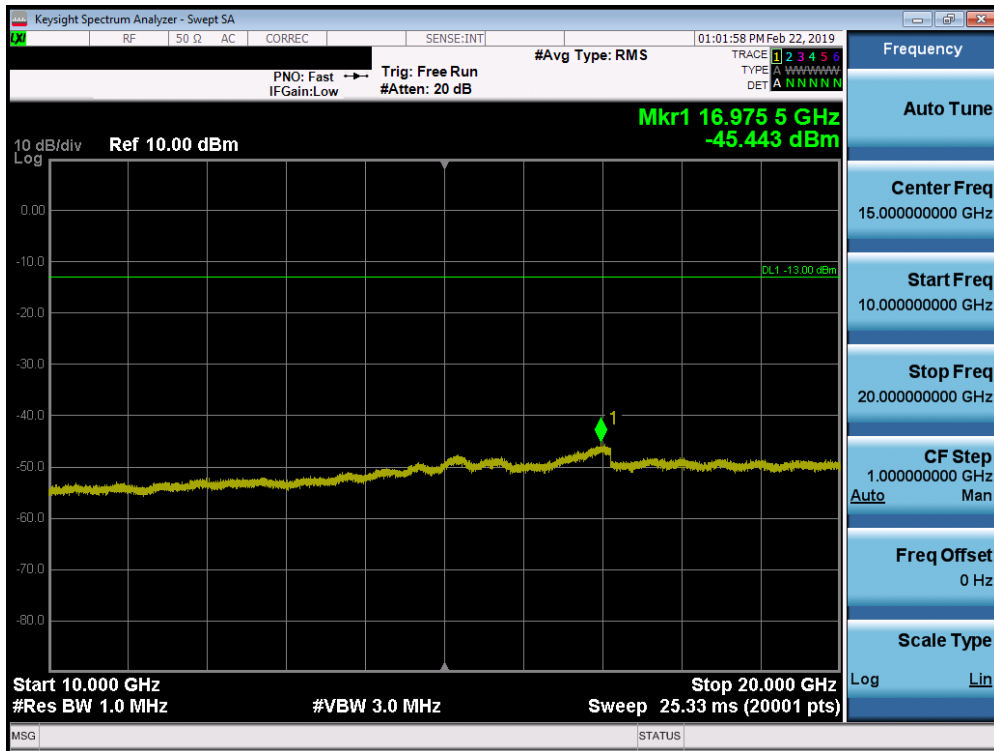


Plot 7-76. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

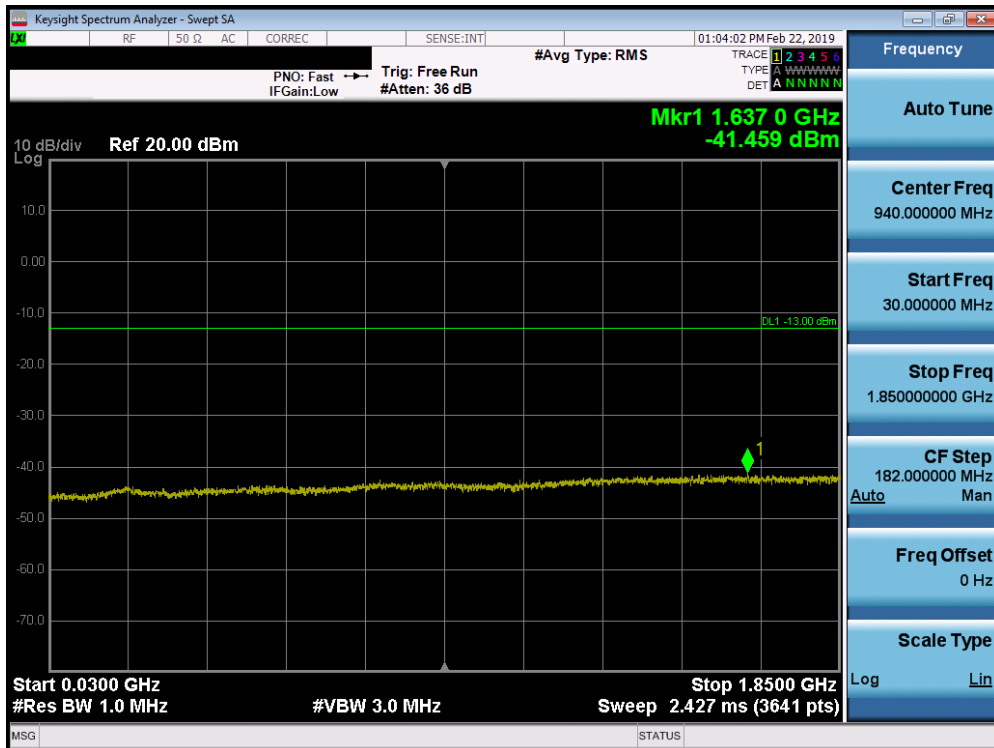


Plot 7-77. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 56 of 152

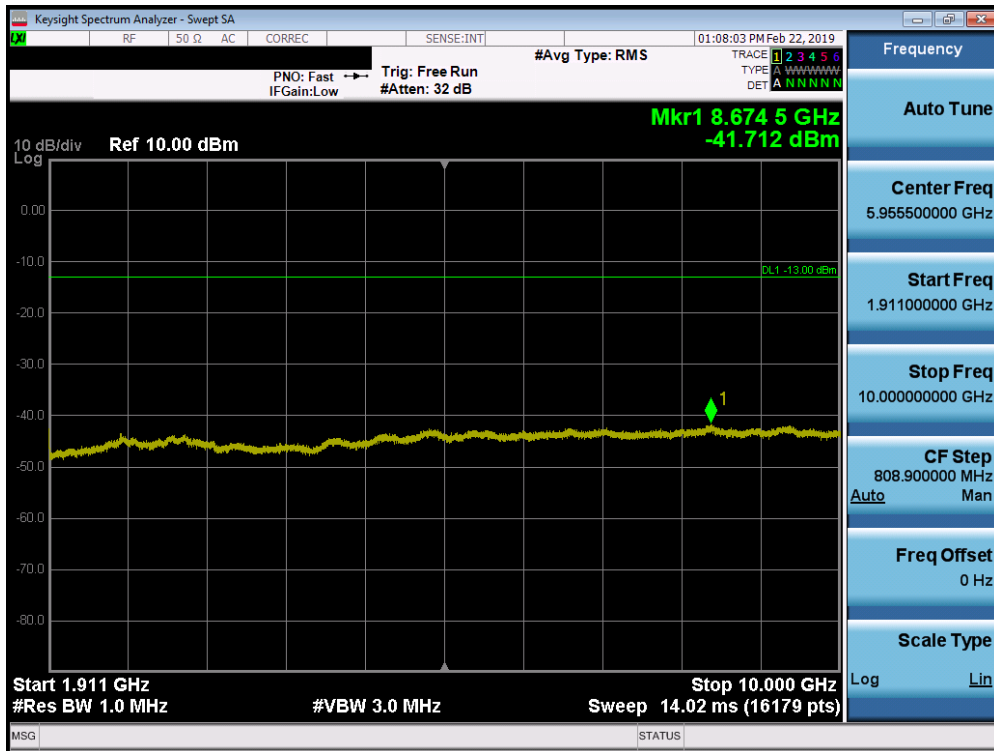


Plot 7-78. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

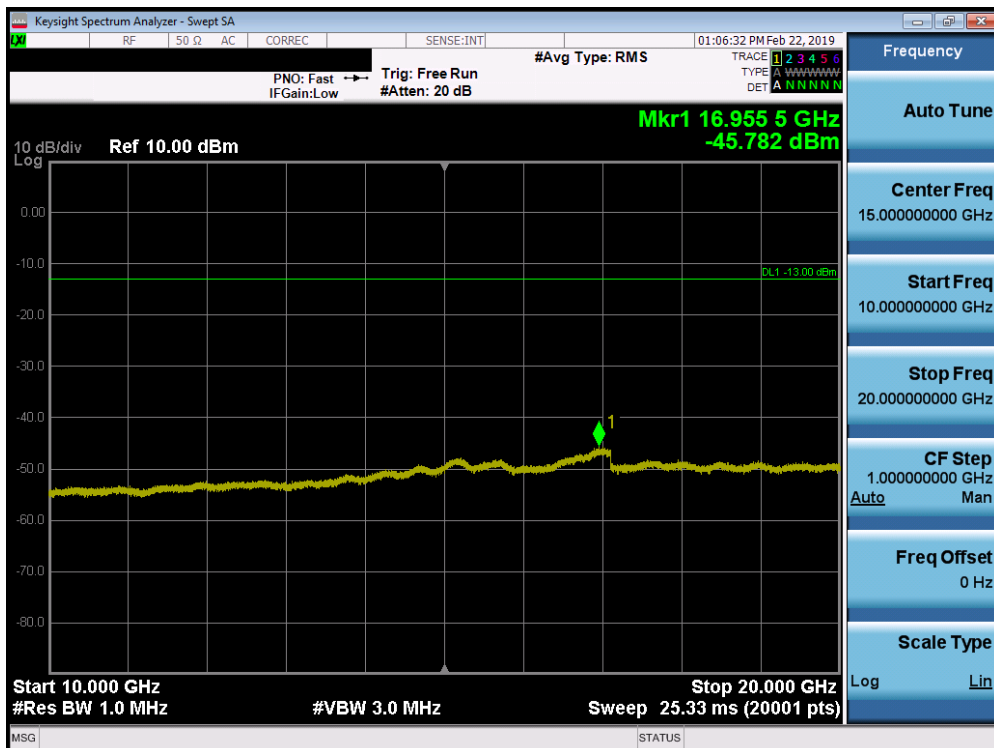


Plot 7-79. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 57 of 152

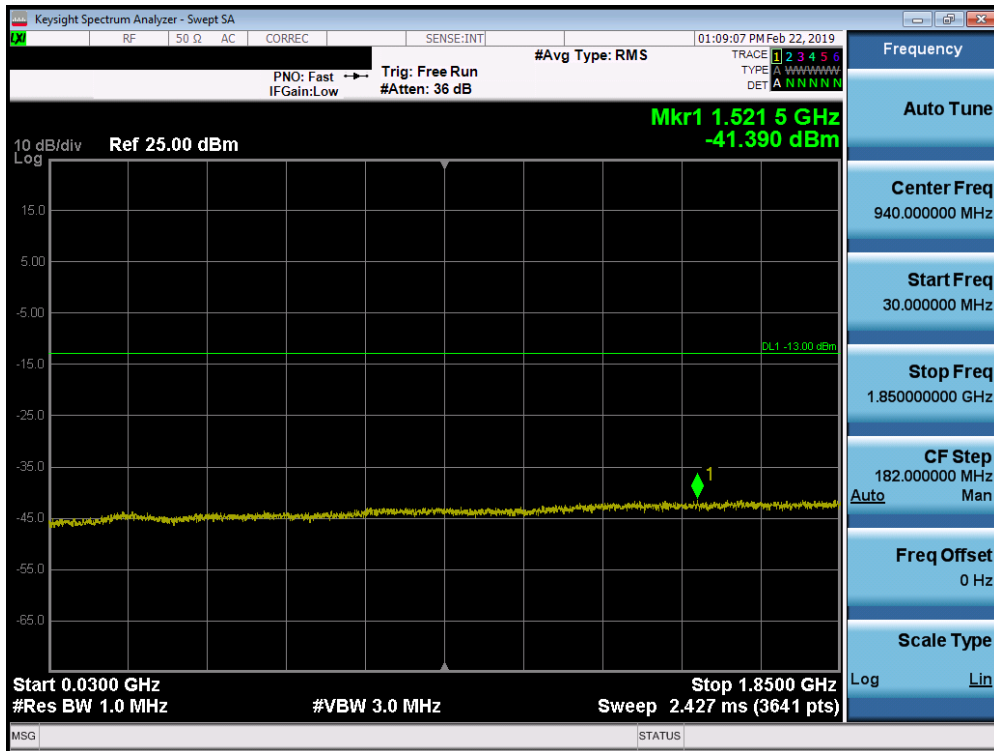


Plot 7-80. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-81. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 58 of 152

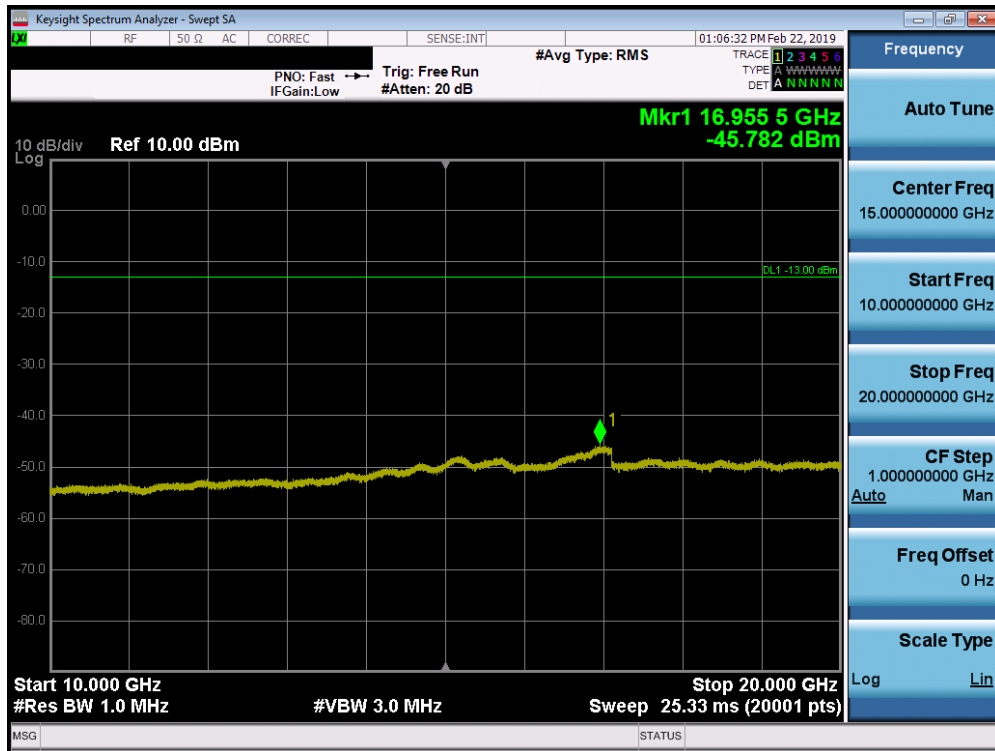


Plot 7-82. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-83. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 59 of 152



Plot 7-84. Conducted Spurious Plot (Band 2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 60 of 152

7.4 Band Edge Emissions at Antenna Terminal

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.

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 x RBW
5. Detector = RMS
6. Number of sweep points \geq 2 x Span/RBW
7. Trace mode = trace average
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.

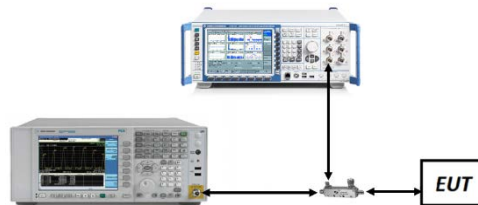


Figure 7-3. Test Instrument & Measurement Setup

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Test Notes

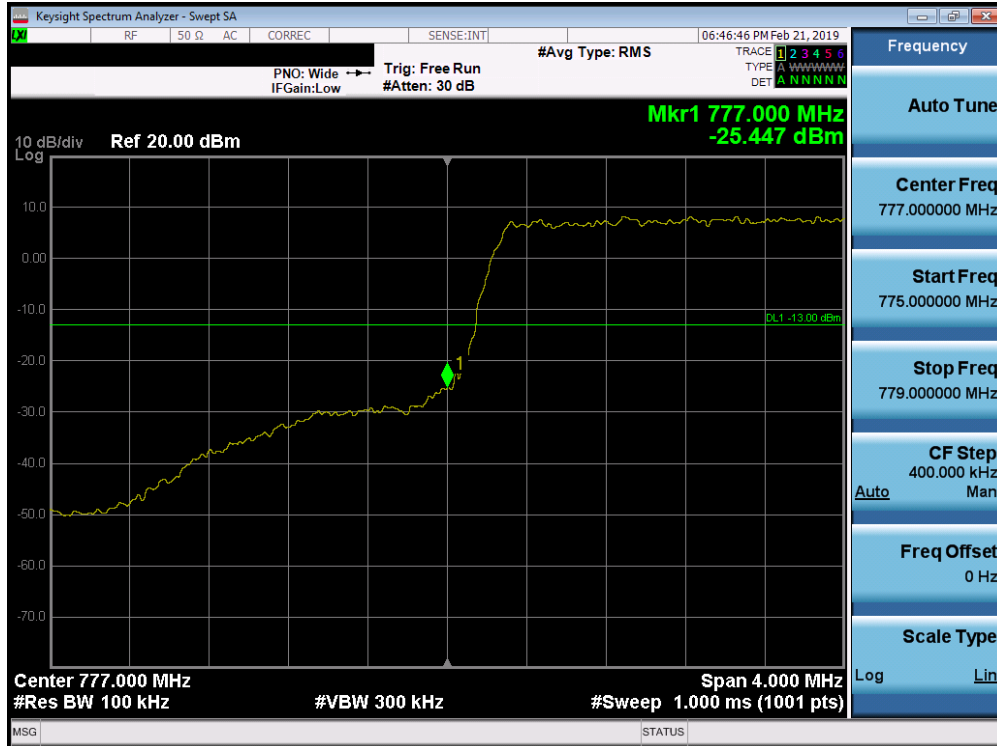
Per 22.917(b) 24.238(a) 27.53(h) in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions 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.

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.

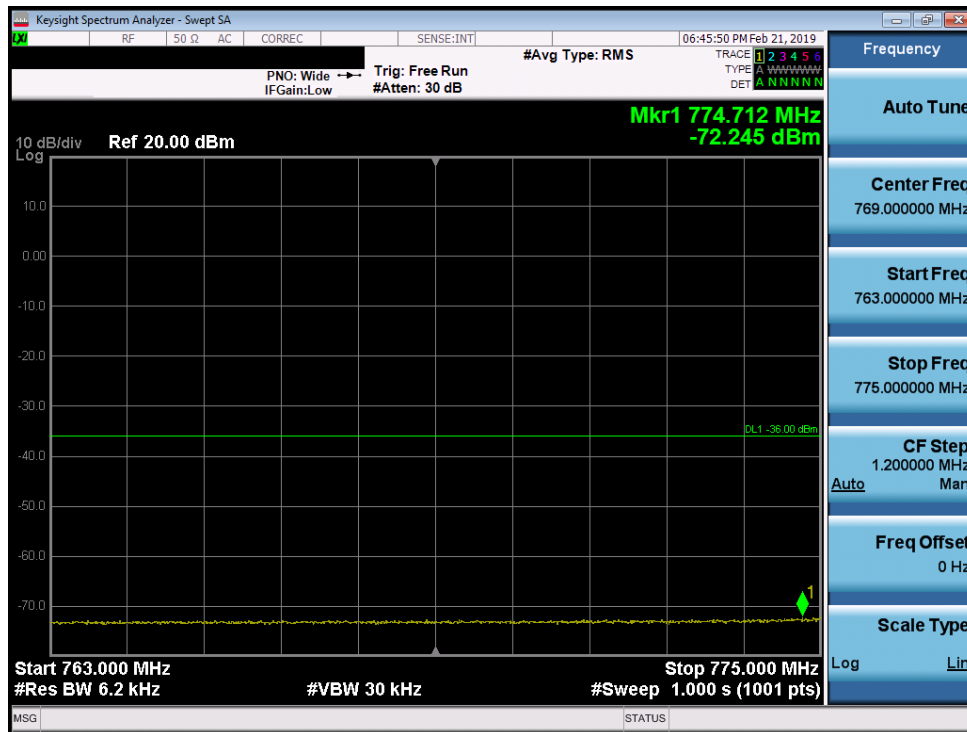
For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC limit per 27.53(c)(4) is $65 + 10\log_{10}(P) = -35\text{dBm}$ in a 6.25kHz bandwidth.

FCC ID: ZNFV450VM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
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Band 13

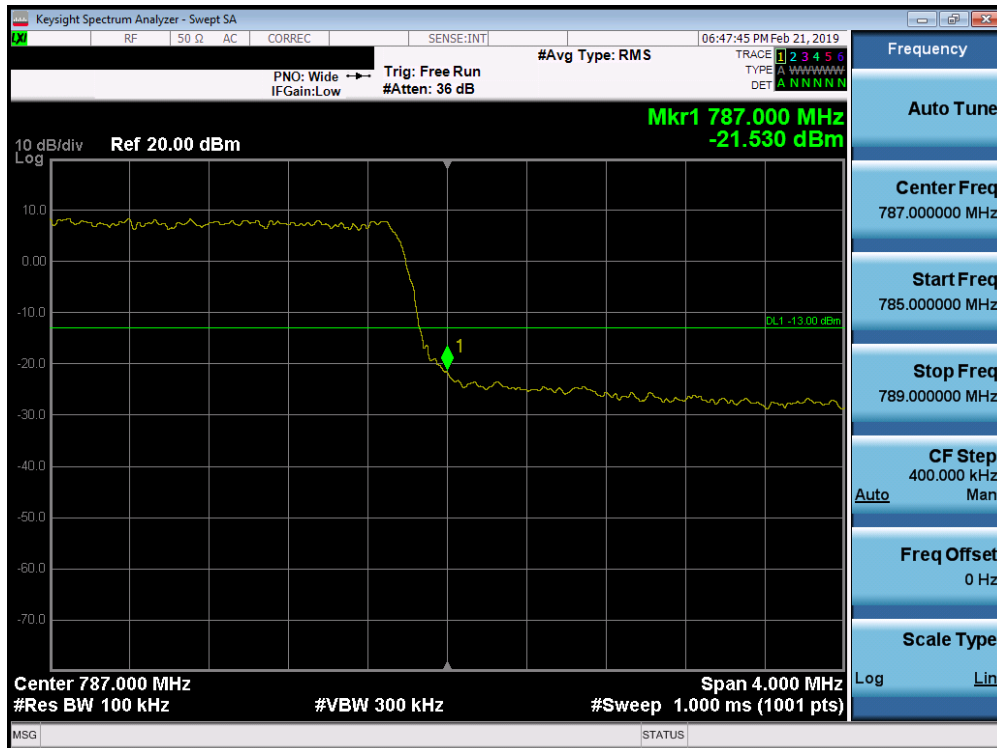


Plot 7-85. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

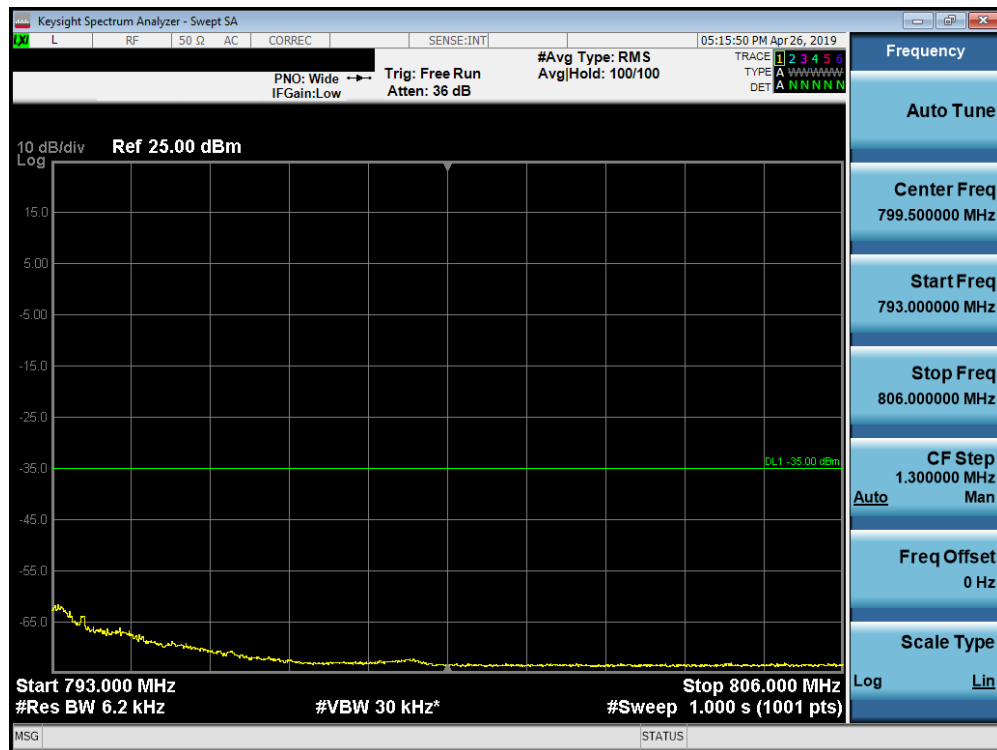


Plot 7-86. Lower Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 63 of 152

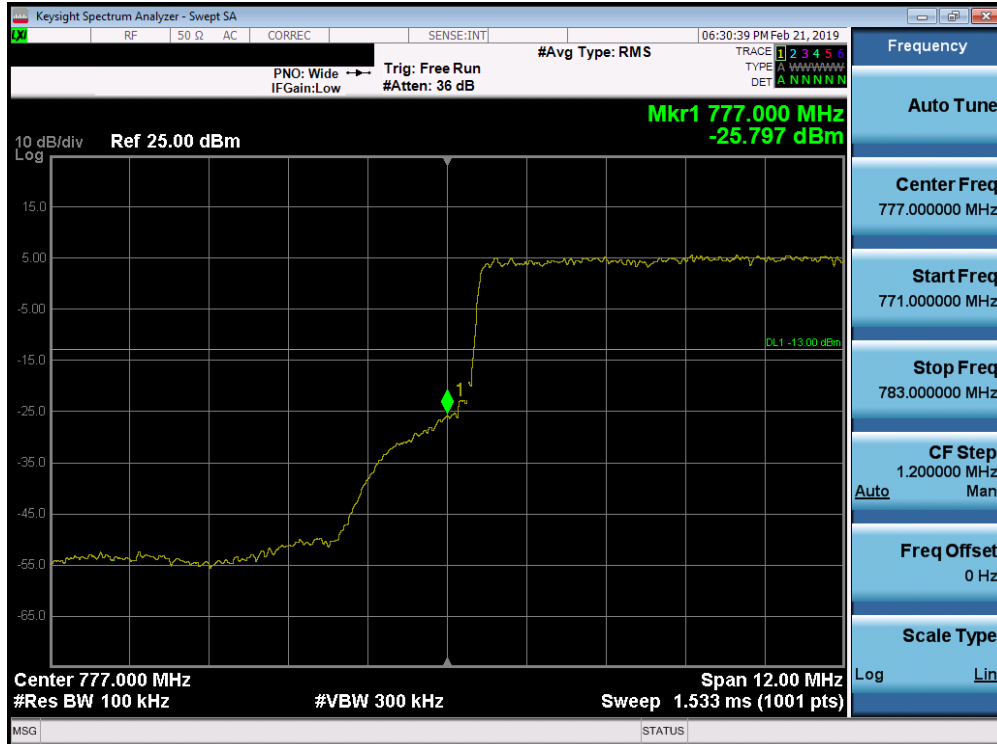


Plot 7-87. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-88. Upper Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Plot 7-89. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-90. Lower Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 65 of 152



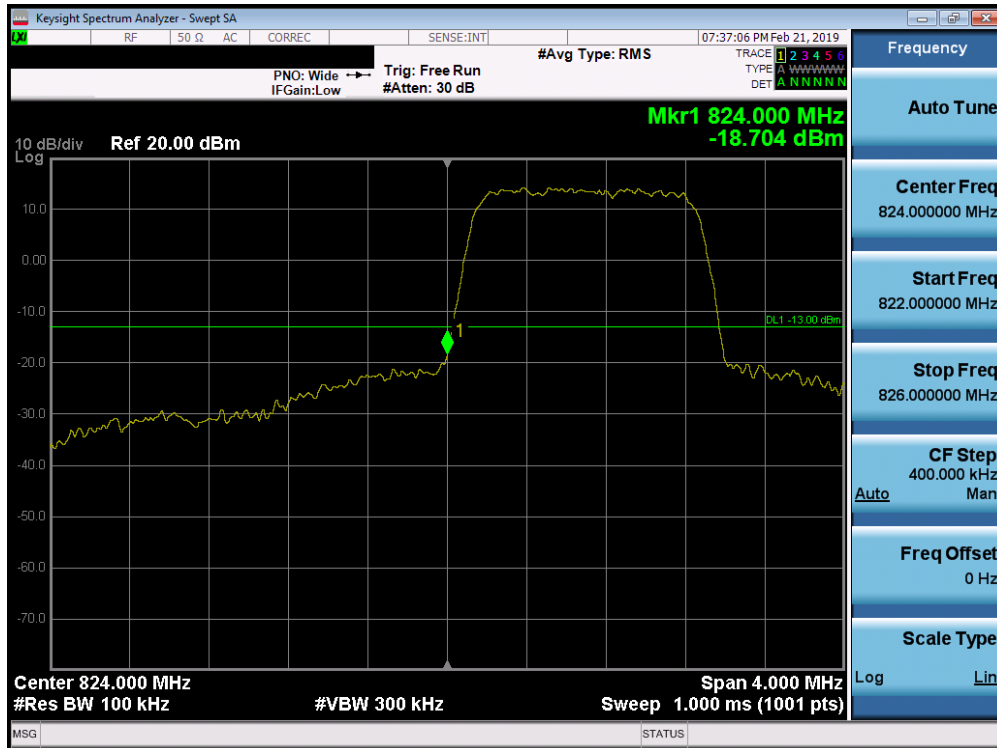
Plot 7-91. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



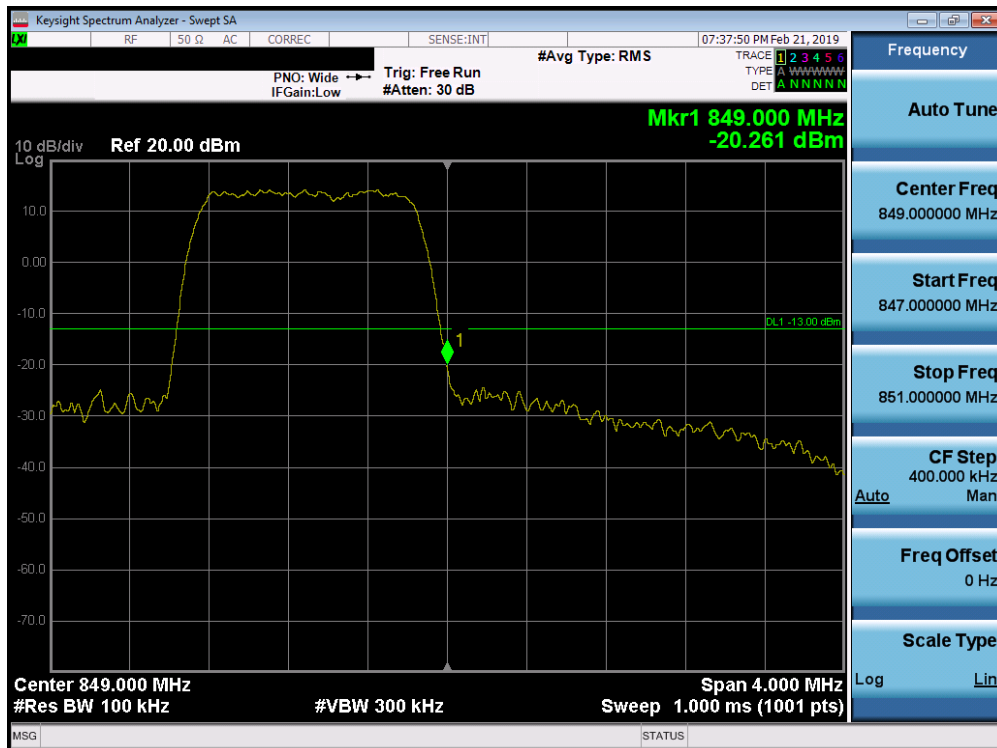
Plot 7-92. Upper Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 66 of 152

Band 5

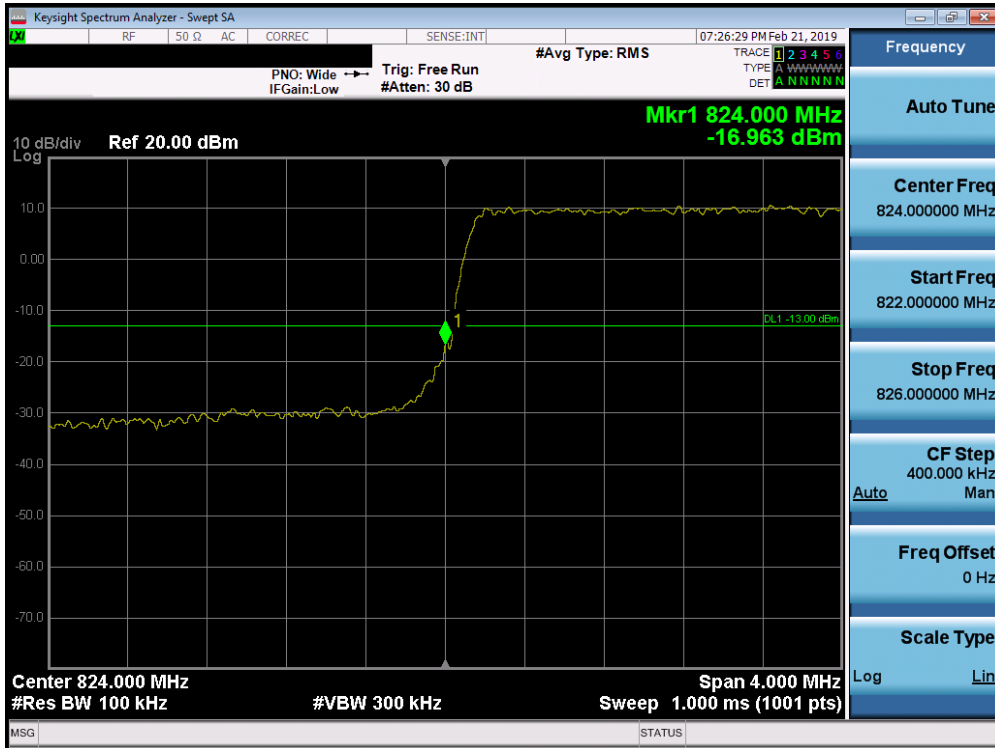


Plot 7-93. Lower Band Edge Plot (Band 5 - 1.4MHz QPSK - Full RB Configuration)

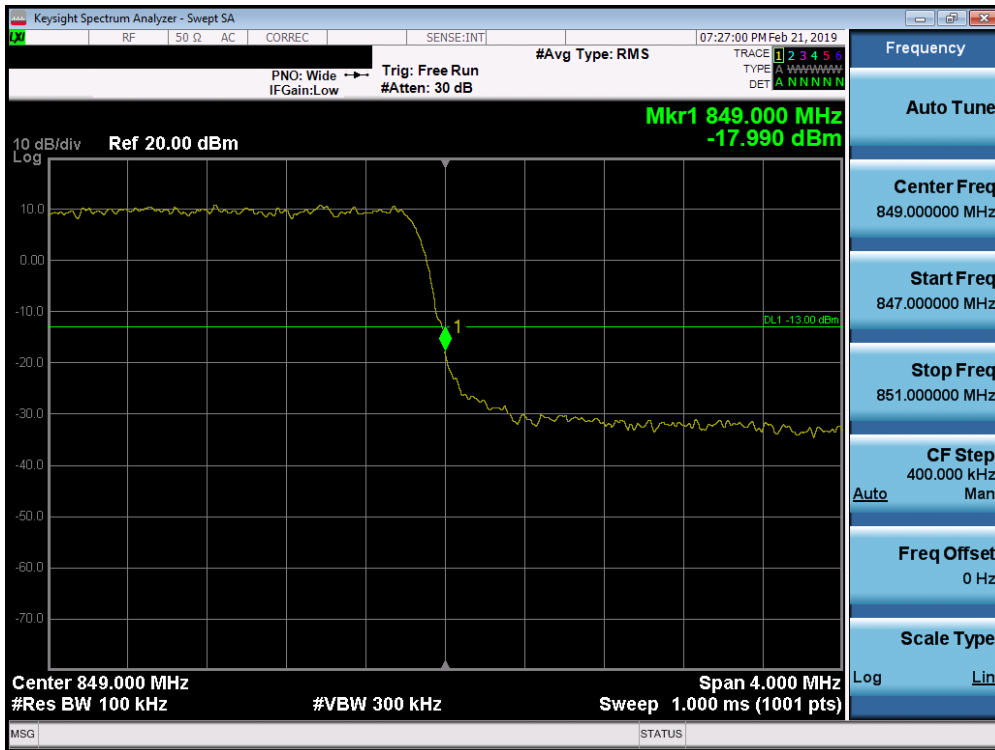


Plot 7-94. Upper Band Edge Plot (Band 5 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 67 of 152

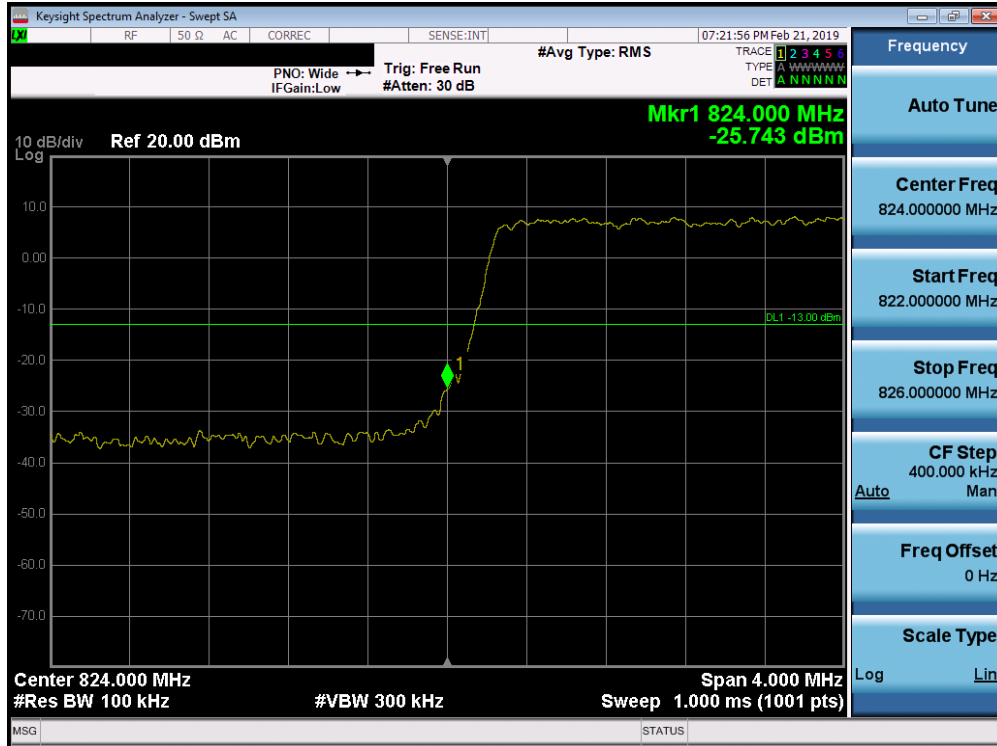


Plot 7-95. Lower Band Edge Plot (Band 5 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-96. Upper Band Edge Plot (Band 5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 68 of 152

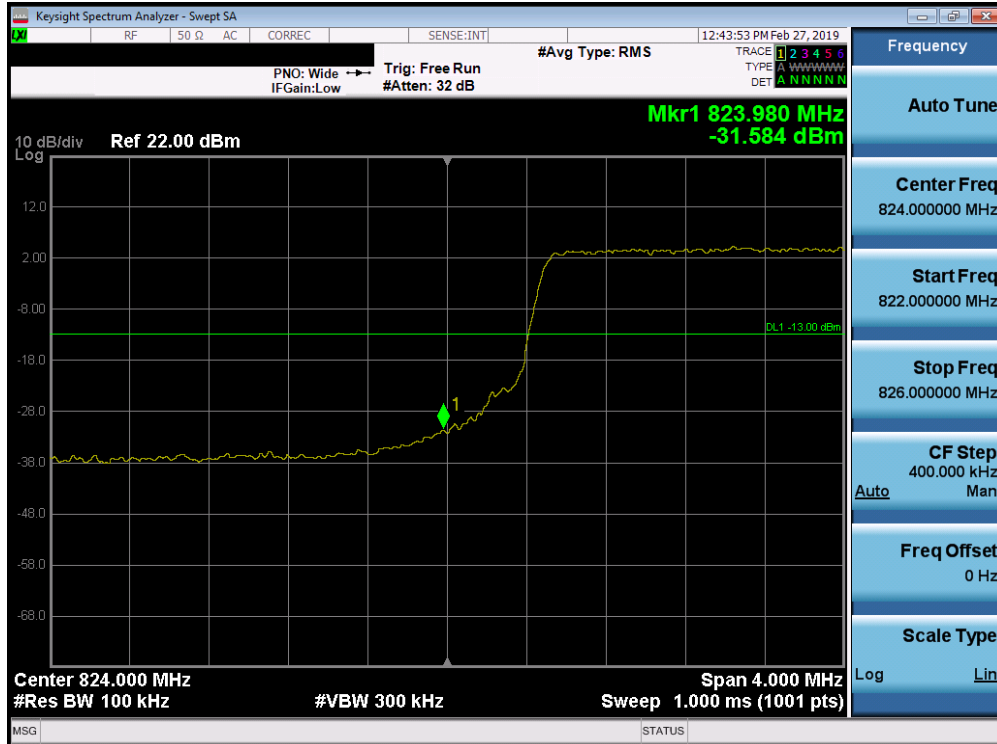


Plot 7-97. Lower Band Edge Plot (Band 5 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-98. Upper Band Edge Plot (Band 5 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 69 of 152



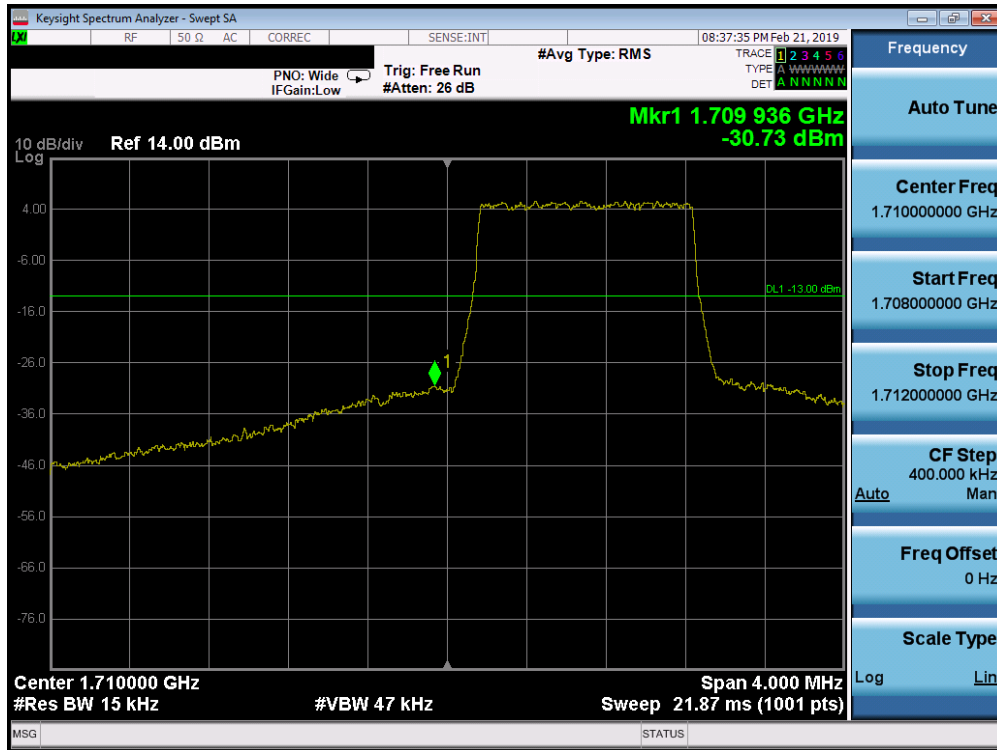
Plot 7-99. Lower Band Edge Plot (Band 5 - 10.0MHz QPSK - Full RB Configuration)



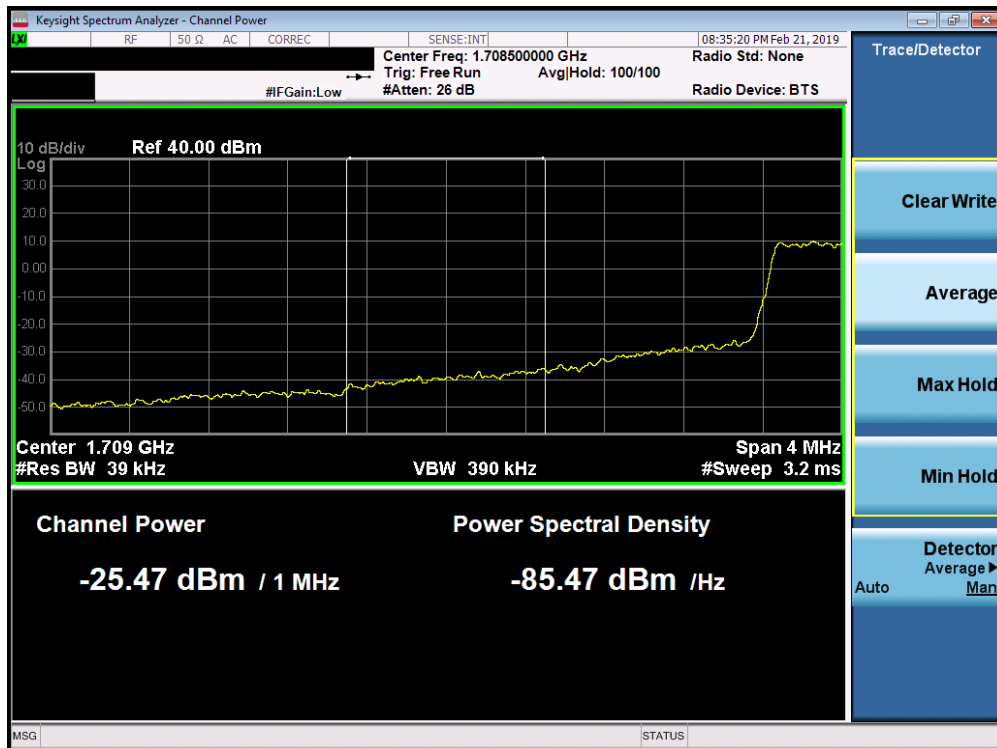
Plot 7-100. Upper Band Edge Plot (Band 5 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 70 of 152

Band 66/4

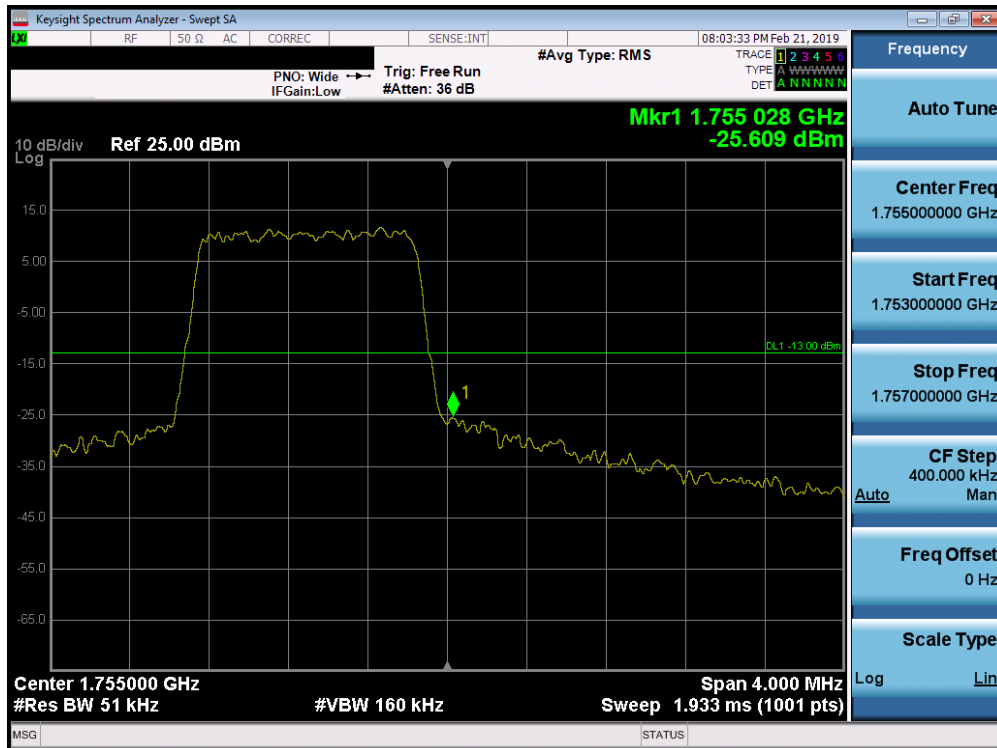


Plot 7-101. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

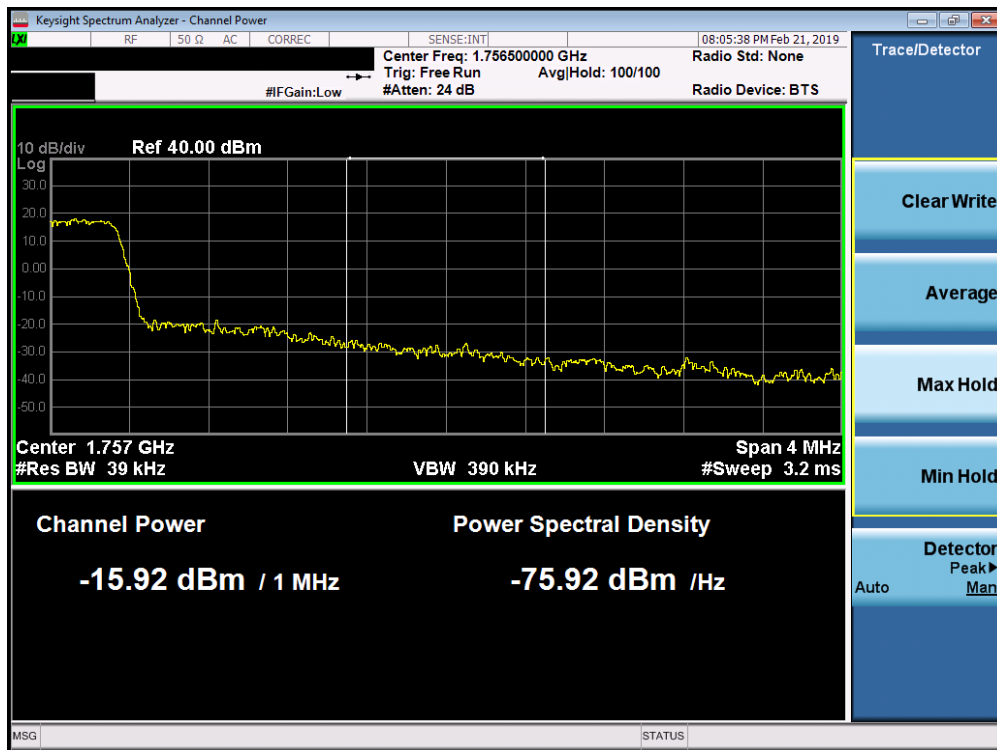


Plot 7-102. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 71 of 152



Plot 7-103. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

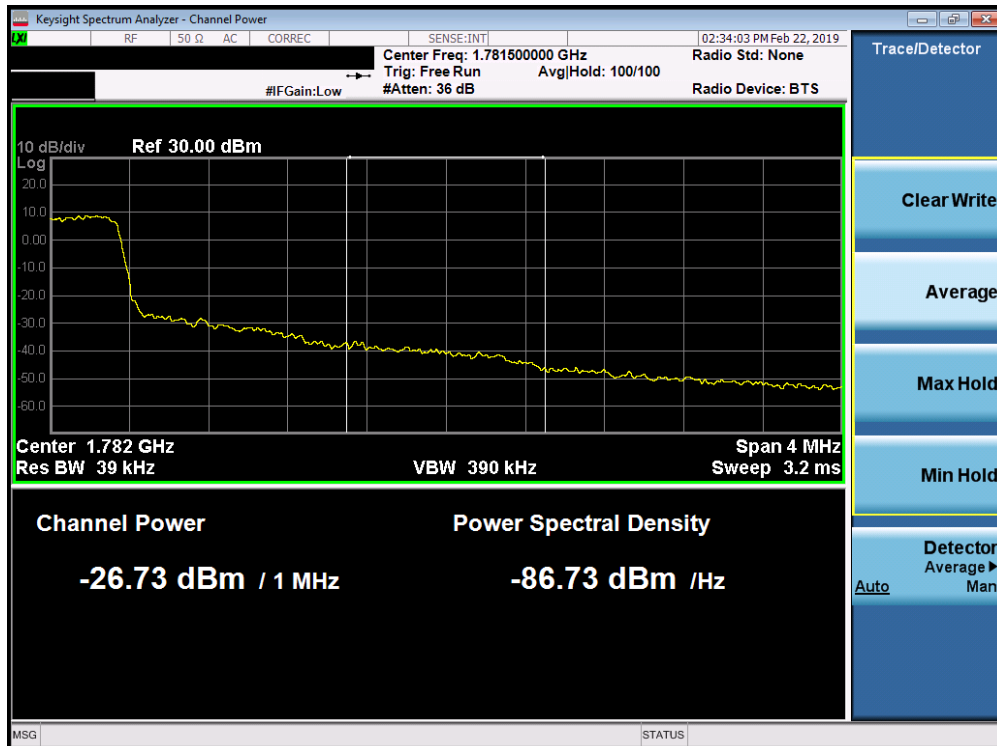


Plot 7-104. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
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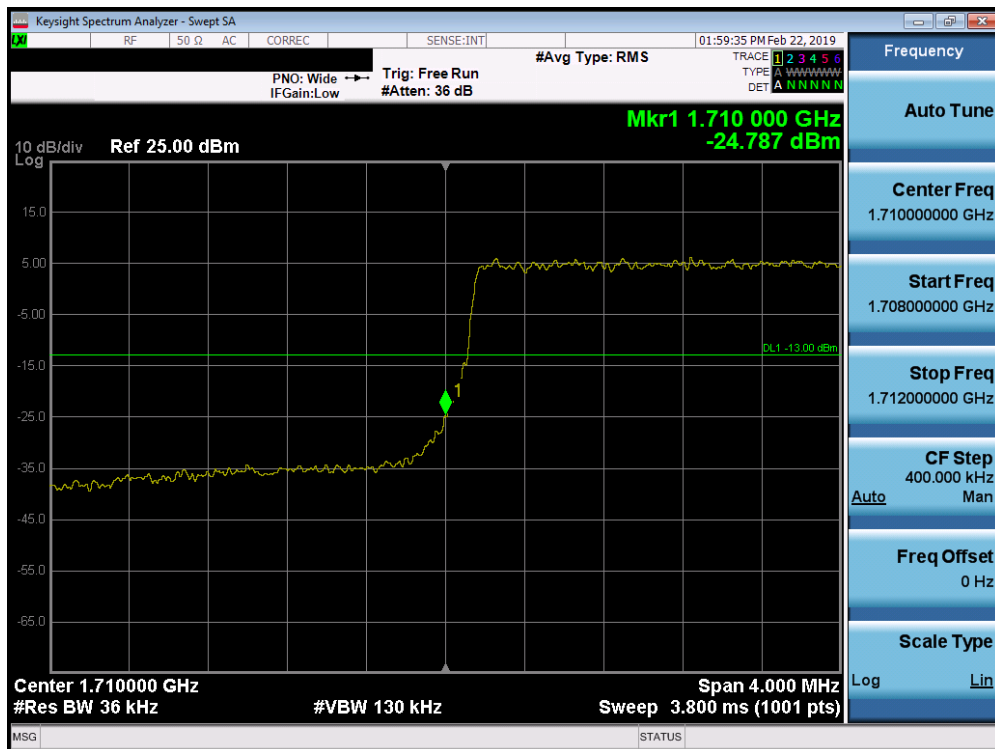


Plot 7-105. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

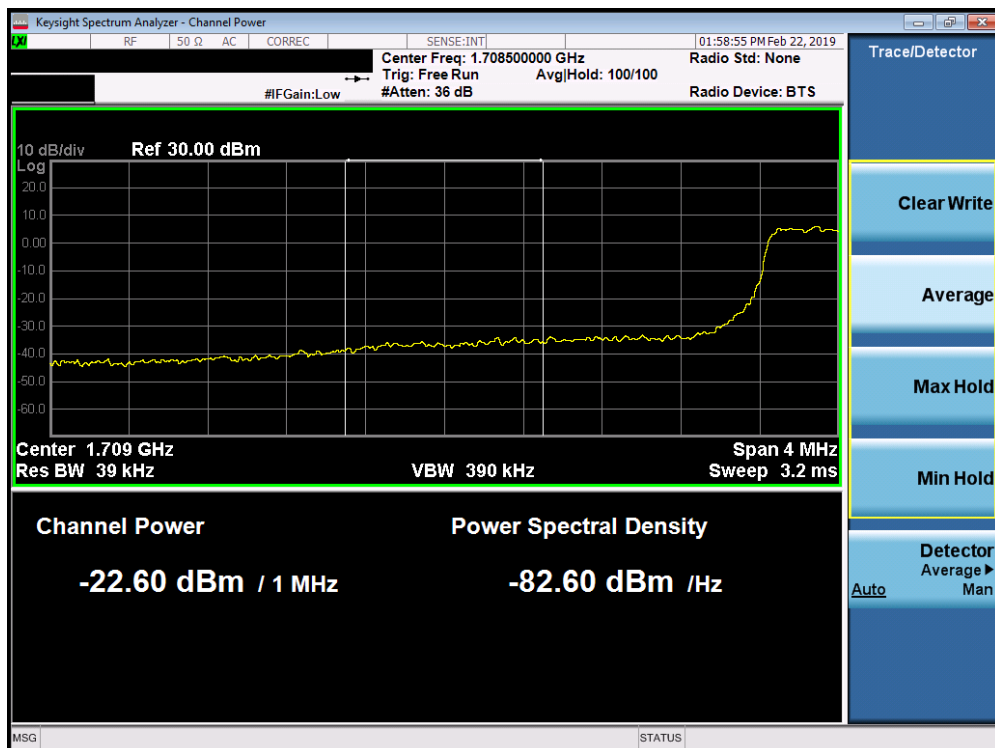


Plot 7-106. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 73 of 152

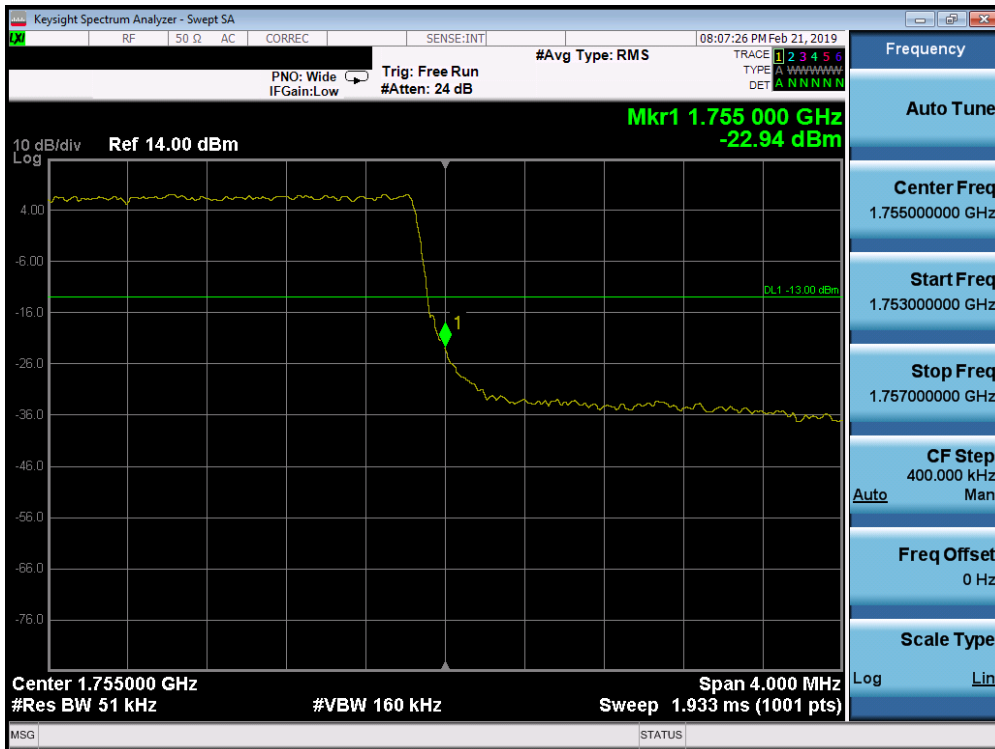


Plot 7-107. Lower Band Edge Plot (Band 66/4 - 3MHz QPSK - Full RB Configuration)

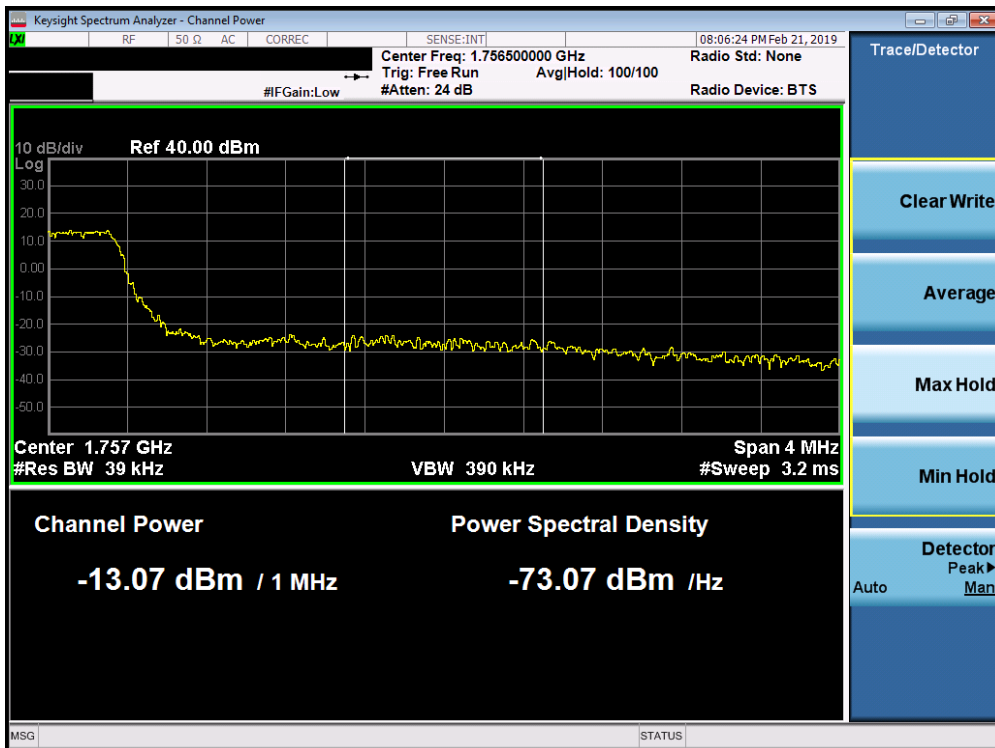


Plot 7-108. Lower Extended Band Edge Plot (Band 66/4 - 3MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1-ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 74 of 152



Plot 7-109. Upper Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

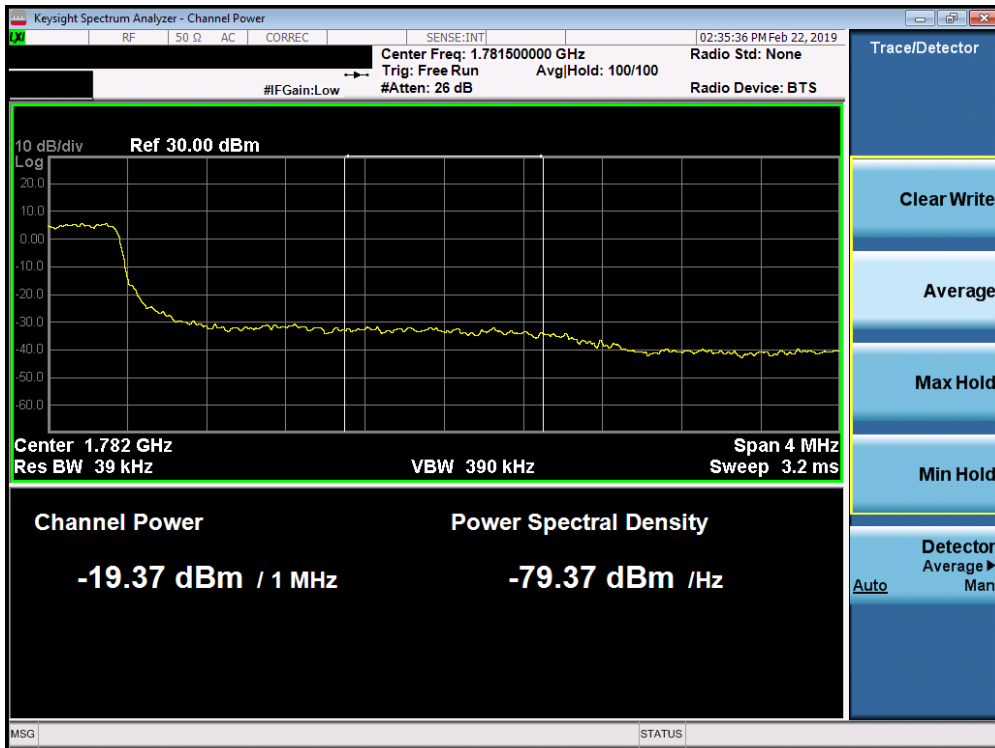


Plot 7-110. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 75 of 152

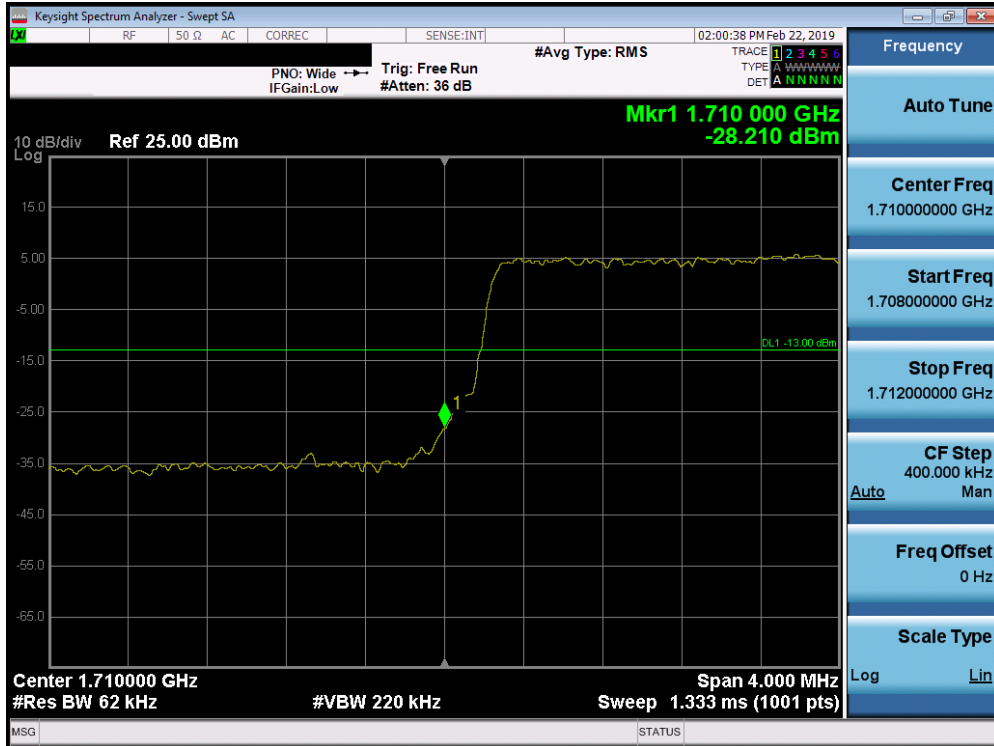


Plot 7-111. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

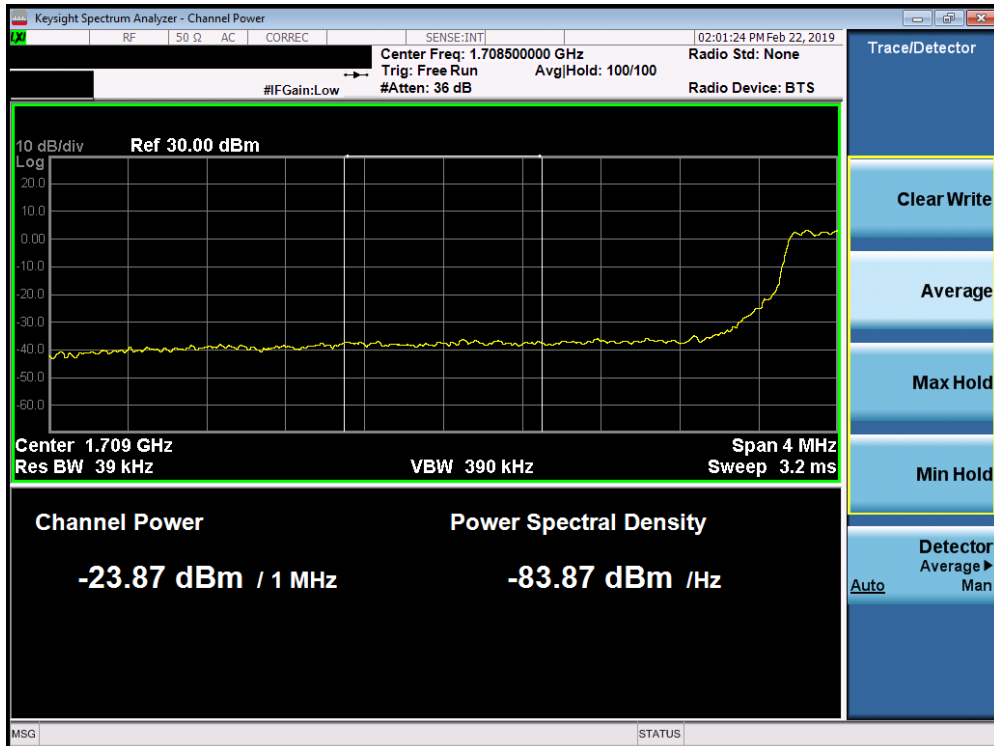


Plot 7-112. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 76 of 152



Plot 7-113. Lower Band Edge Plot (Band 66/4 - 5MHz QPSK - Full RB Configuration)

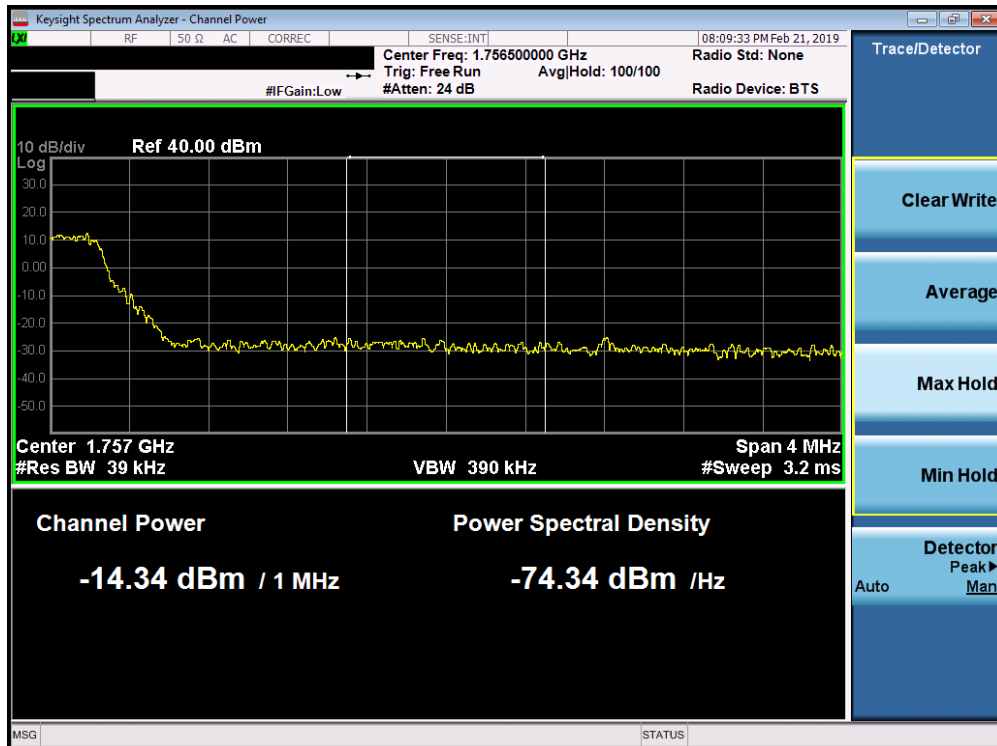


Plot 7-114. Lower Extended Band Edge Plot (Band 66/4 - 5MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 77 of 152



Plot 7-115. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

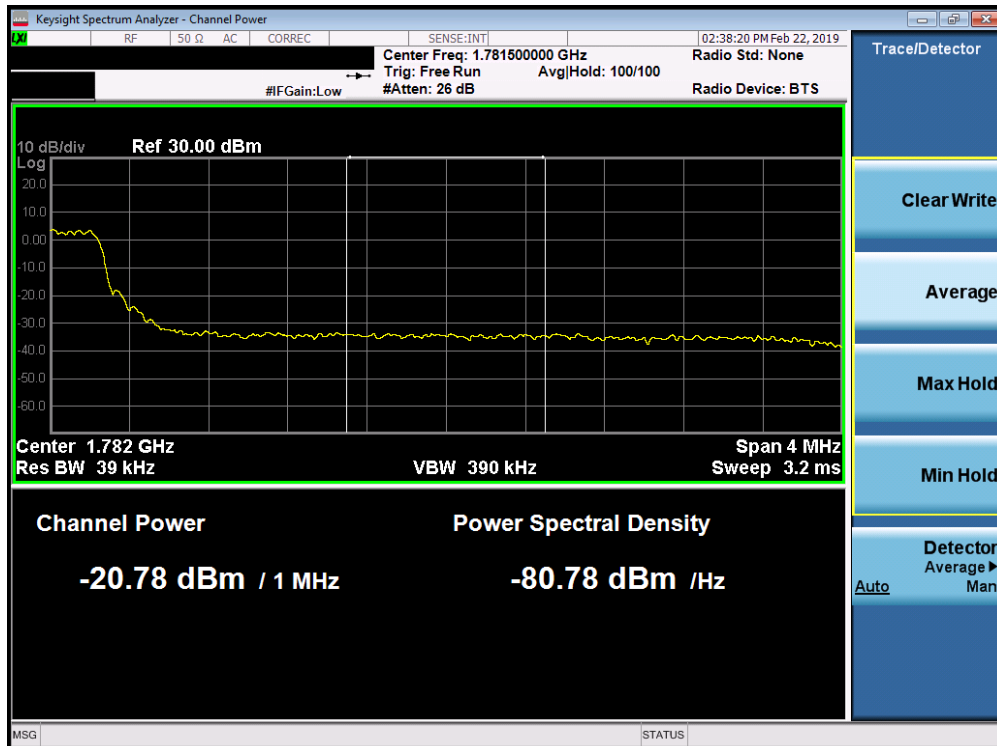


Plot 7-116. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 78 of 152

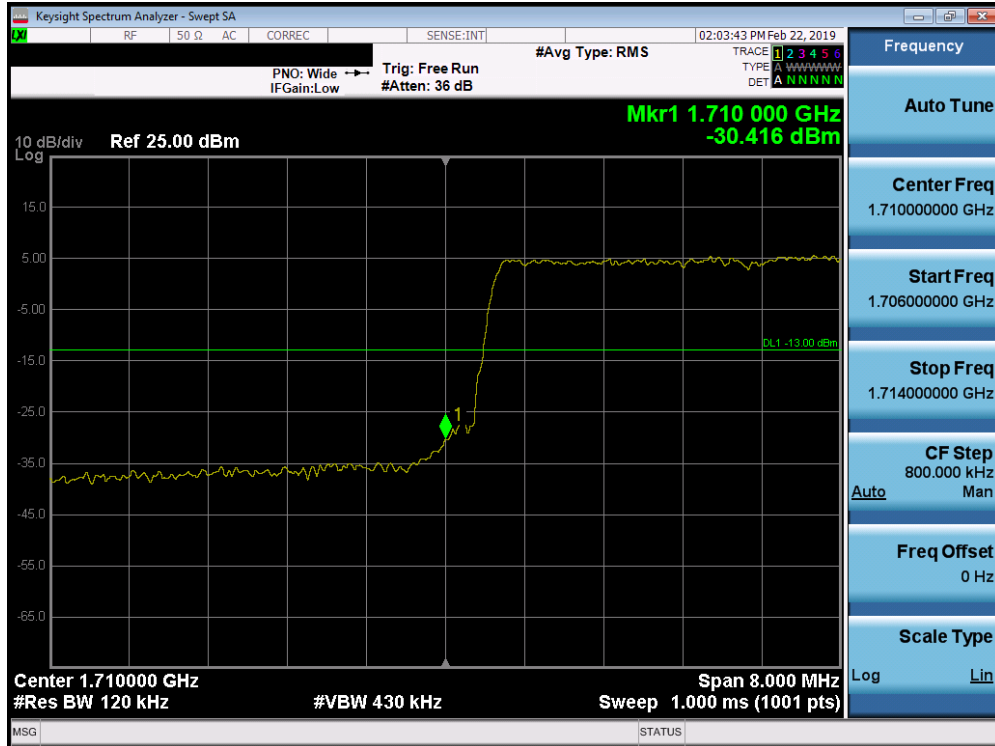


Plot 7-117. Upper Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

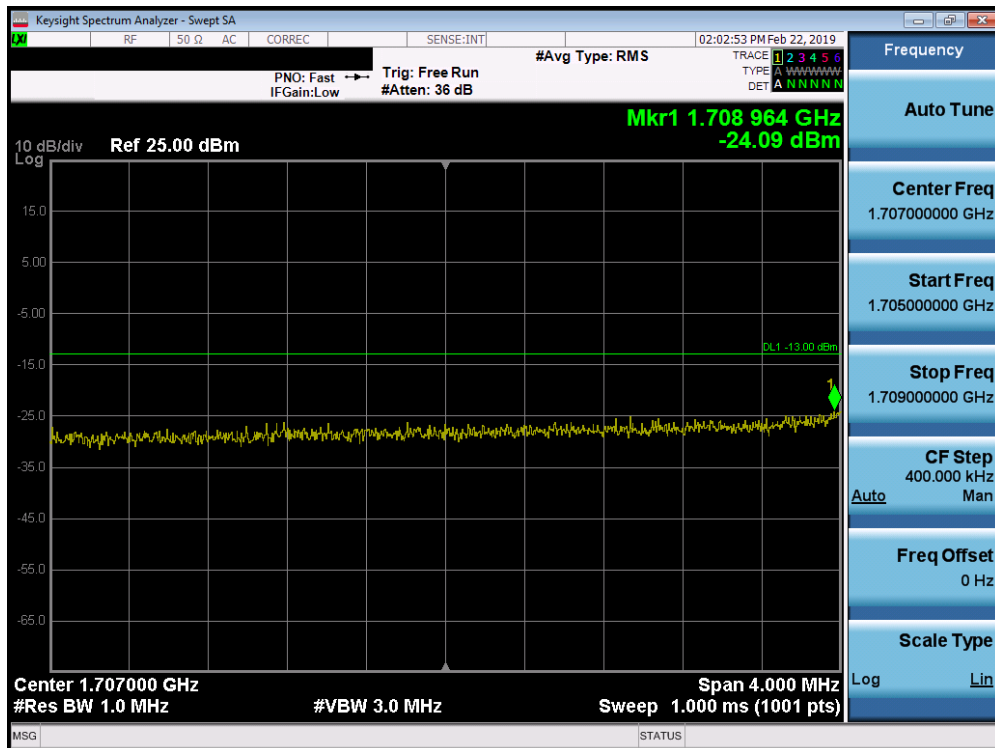


Plot 7-118. Upper Extended Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 79 of 152

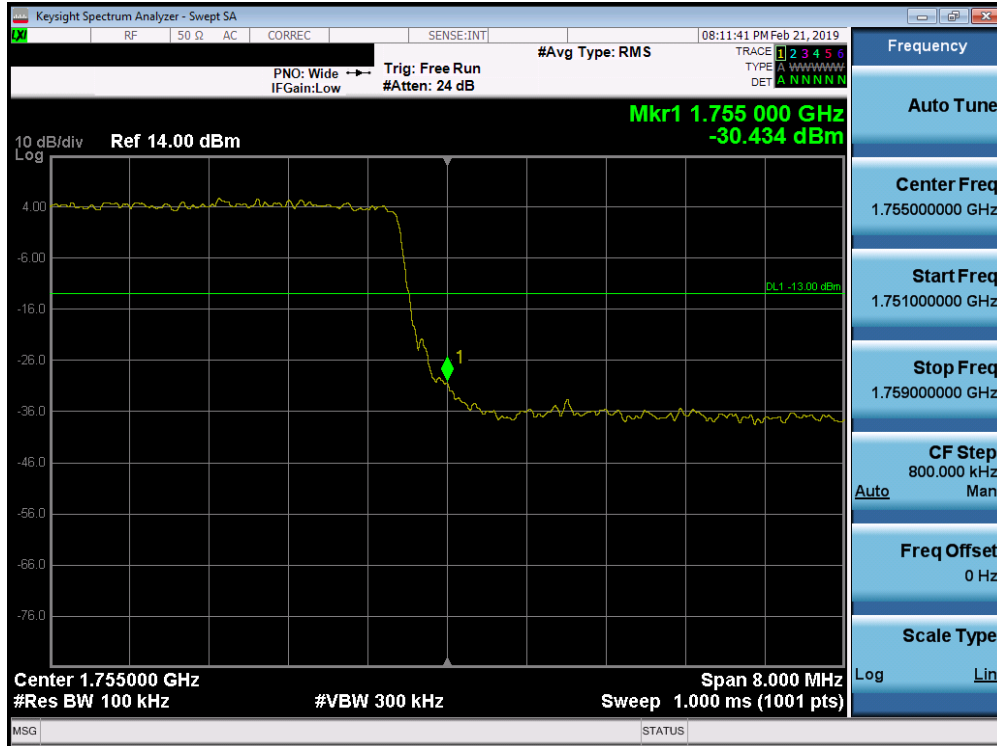


Plot 7-119. Lower Band Edge Plot (Band 66/4 - 10MHz QPSK - Full RB Configuration)

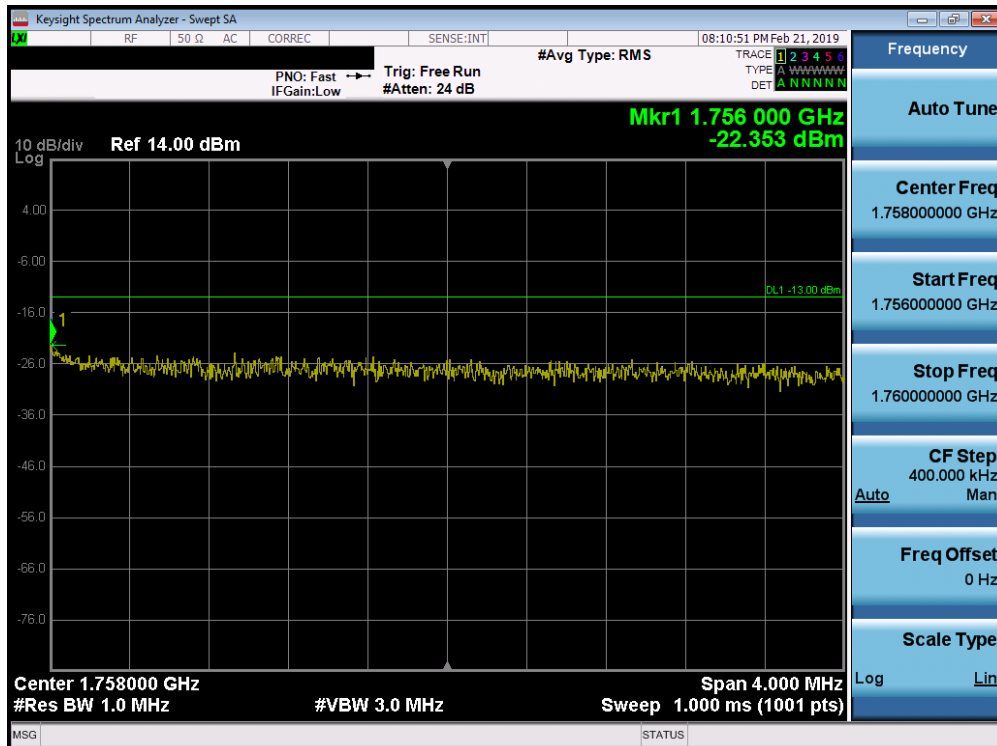


Plot 7-120. Lower Extended Band Edge Plot (Band 66/4 - 10MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 80 of 152



Plot 7-121. Upper Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

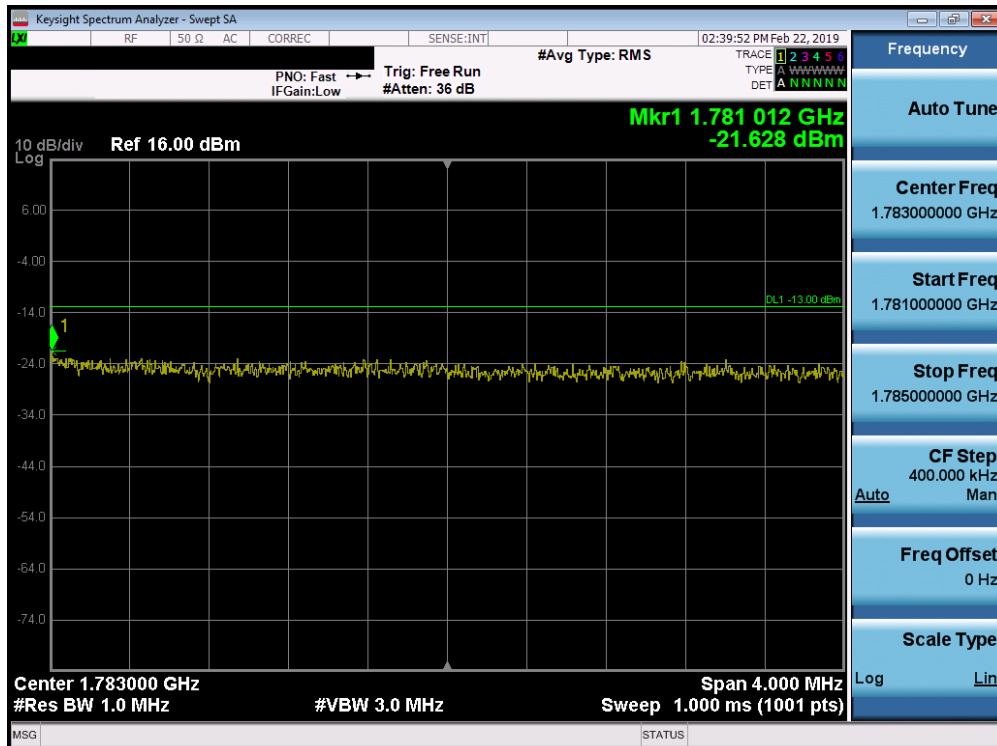


Plot 7-122. Upper Extended Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 81 of 152

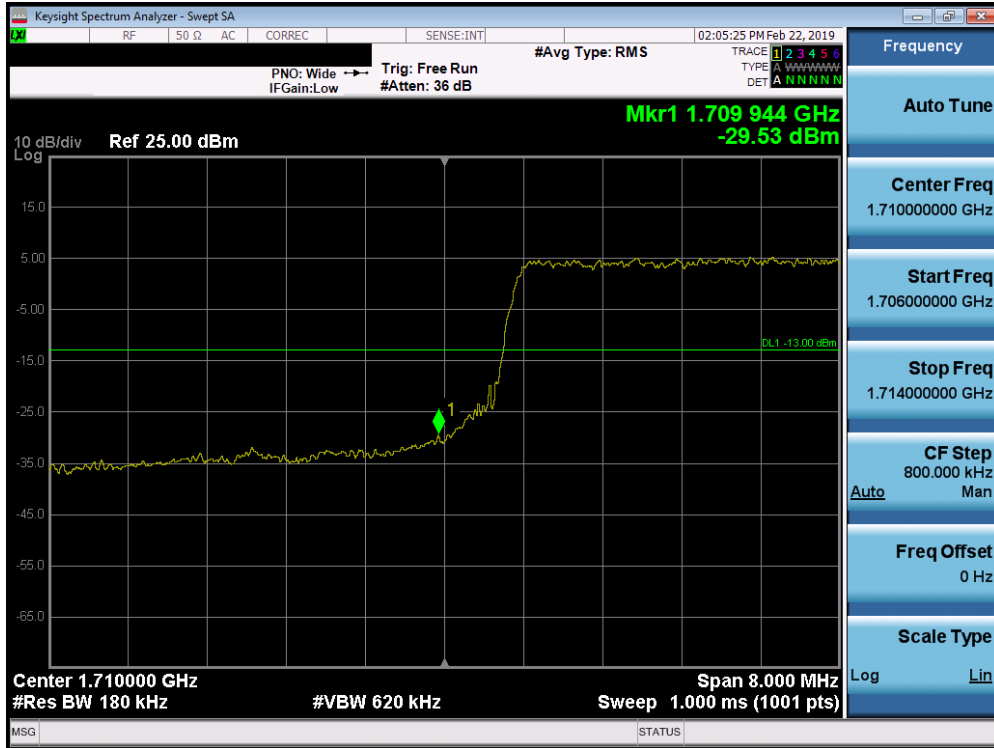


Plot 7-123. Upper Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

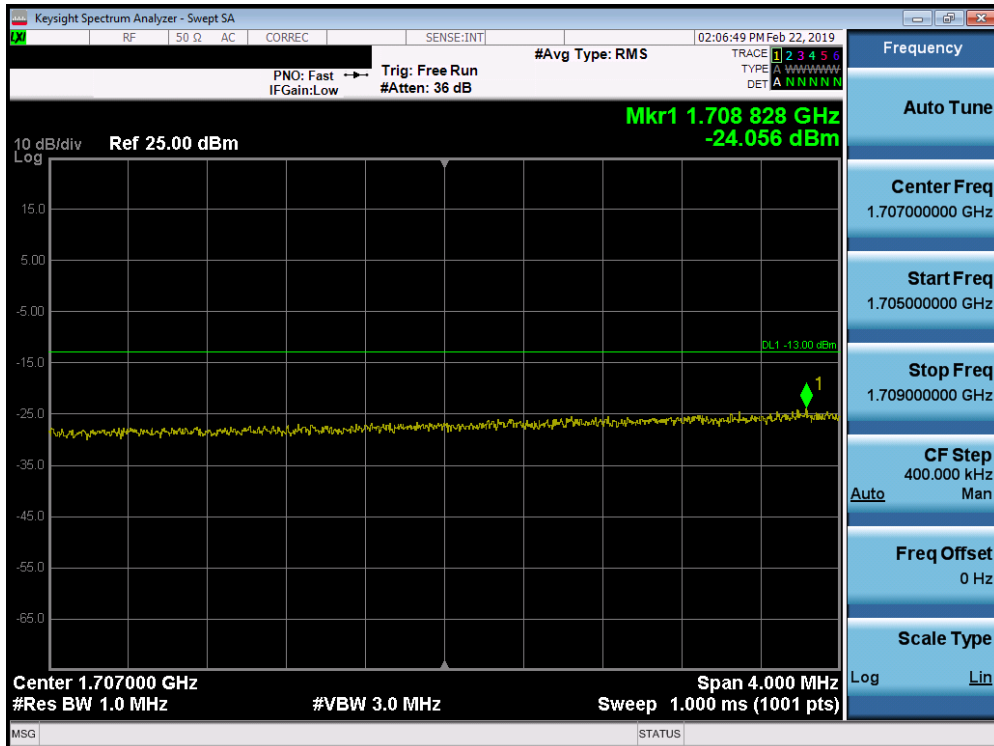


Plot 7-124. Upper Extended Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 82 of 152



Plot 7-125. Lower Band Edge Plot (Band 66/4 - 15MHz QPSK - Full RB Configuration)

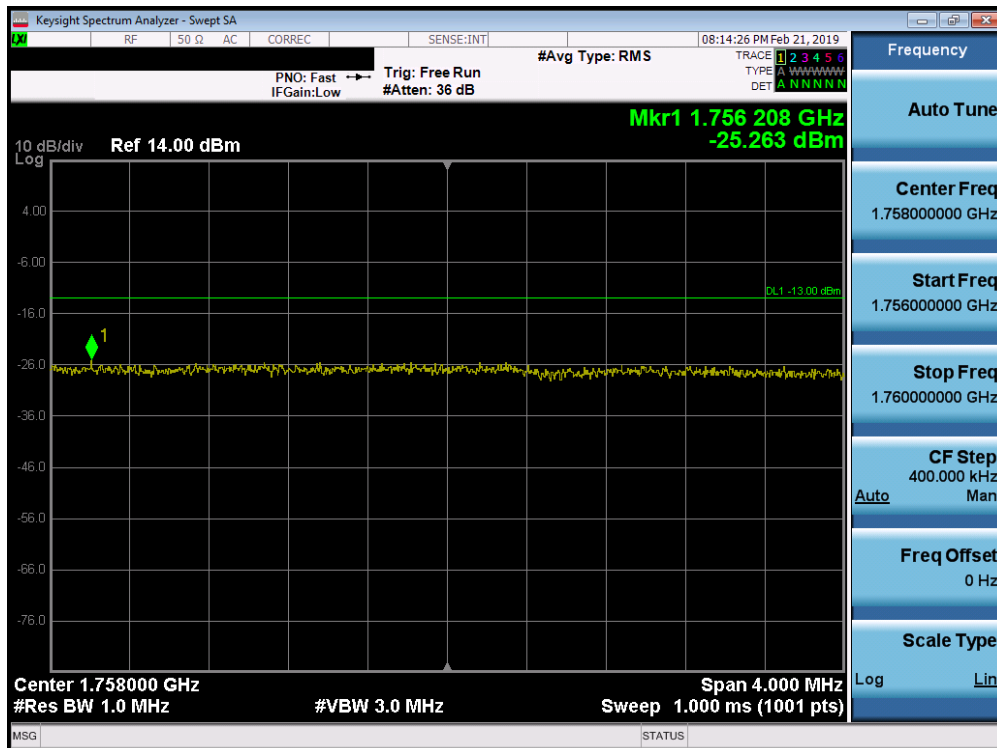


Plot 7-126. Lower Extended Band Edge Plot (Band 66/4 - 15MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 83 of 152

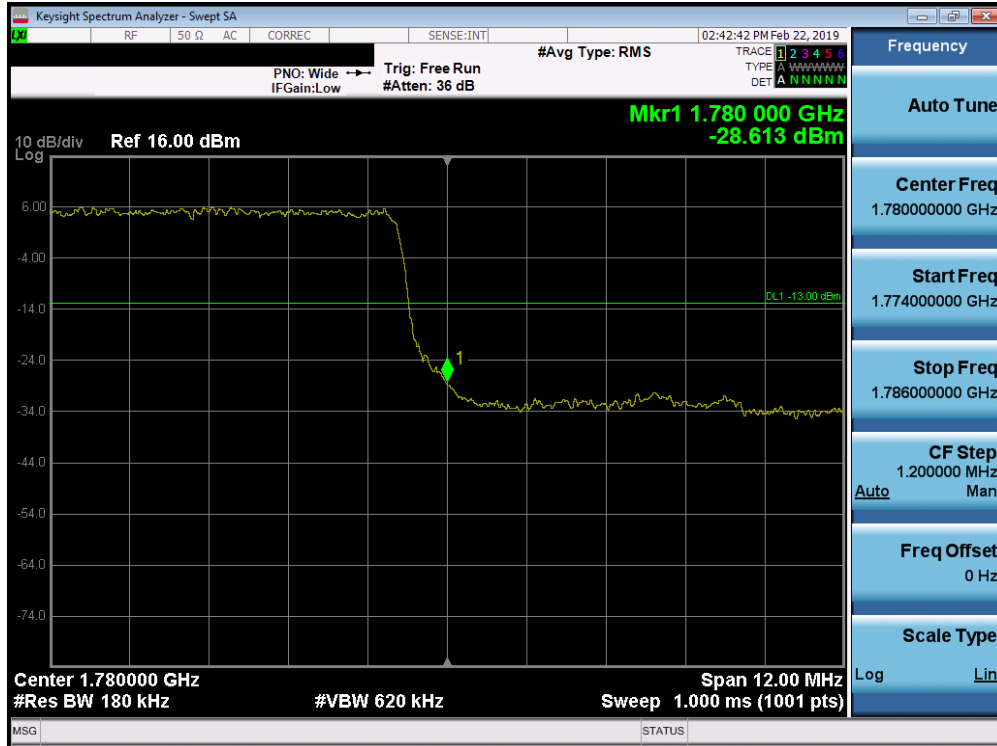


Plot 7-127. Upper Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

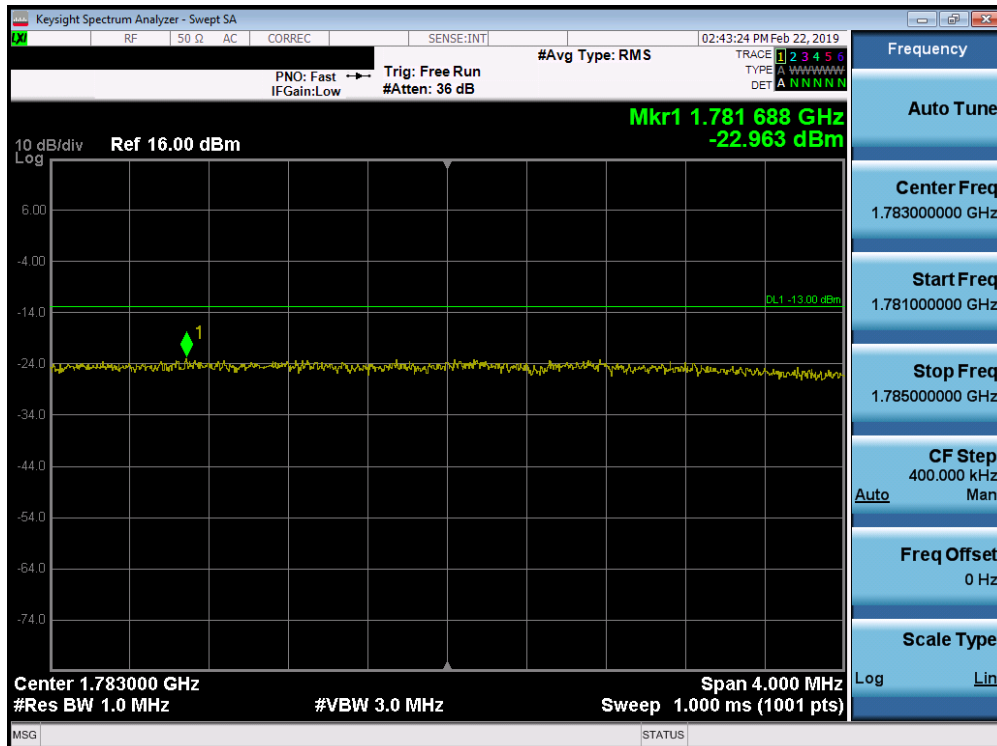


Plot 7-128. Upper Extended Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 84 of 152

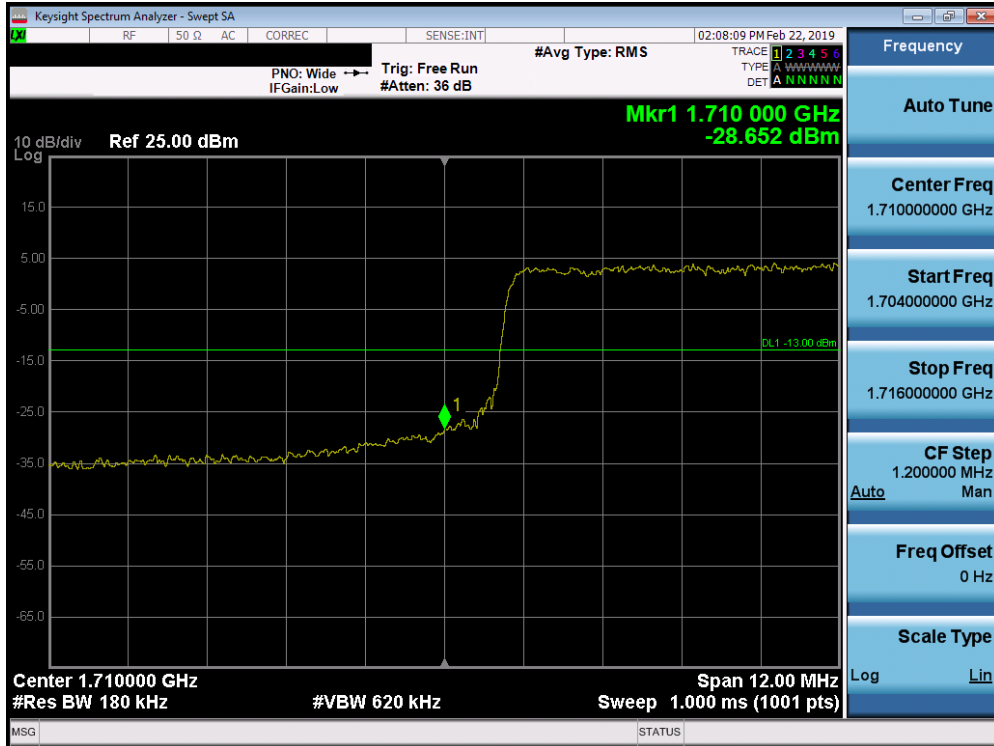


Plot 7-129. Upper Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

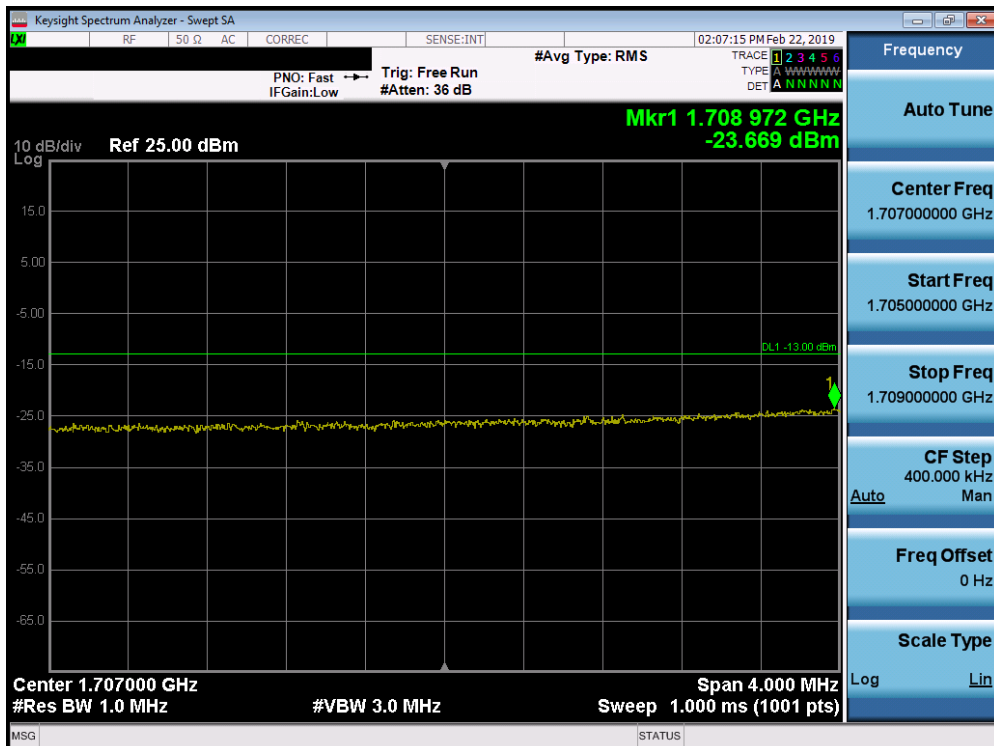


Plot 7-130. Upper Extended Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 85 of 152



Plot 7-131. Lower Band Edge Plot (Band 66/4 - 20MHz QPSK - Full RB Configuration)

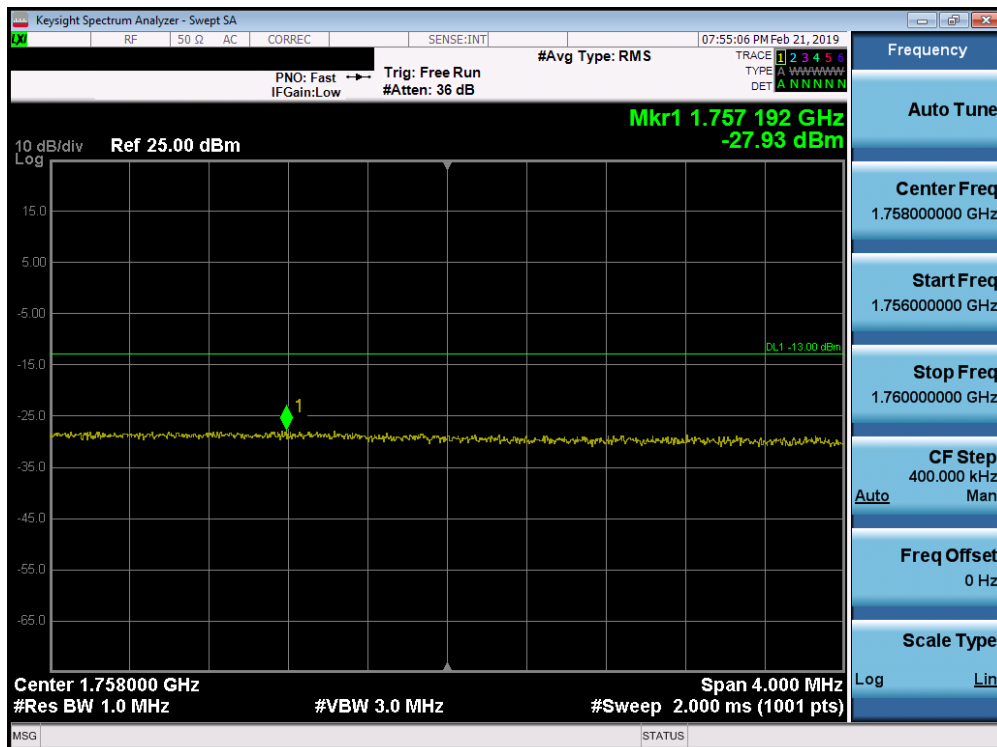


Plot 7-132. Lower Extended Band Edge Plot (Band 66/4 - 20MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 86 of 152



Plot 7-133. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

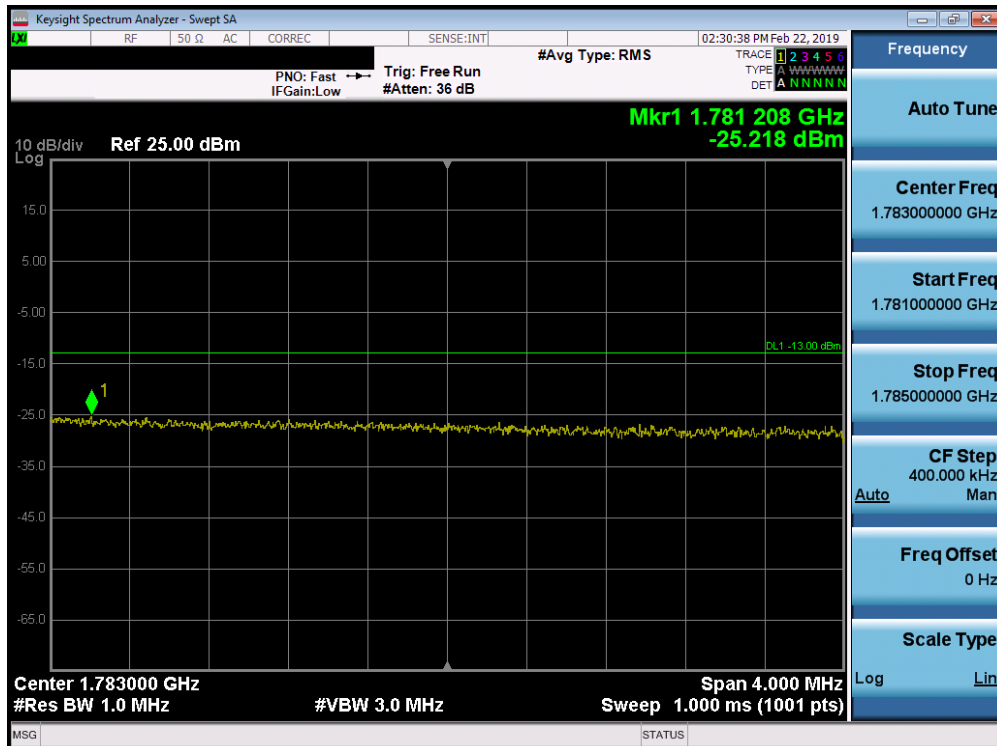


Plot 7-134. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 87 of 152



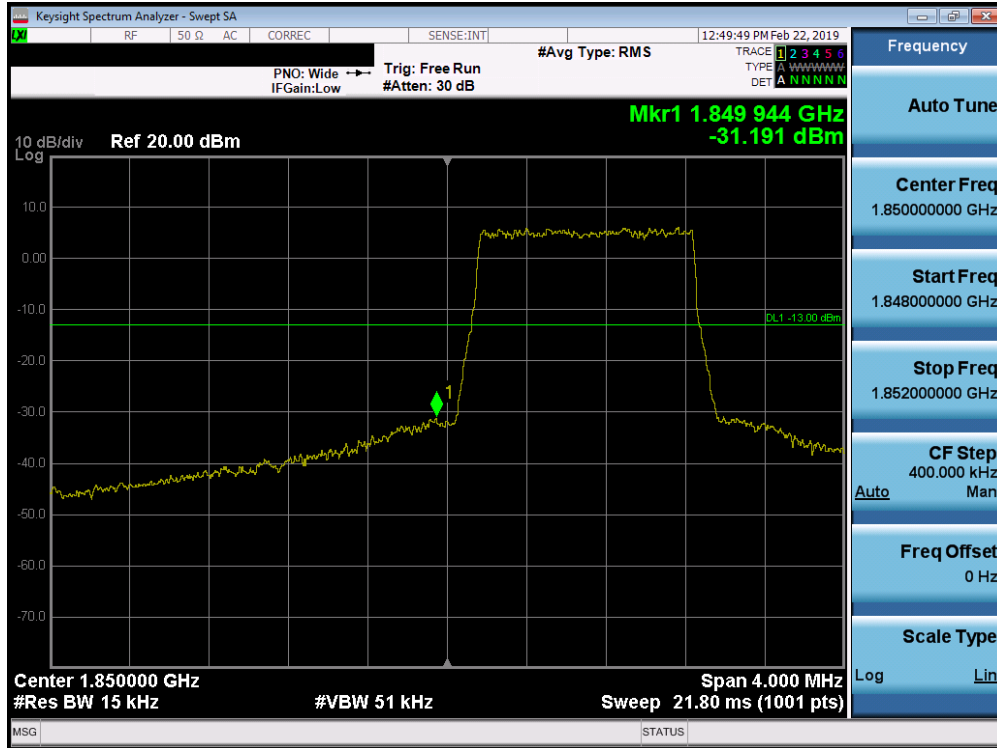
Plot 7-135. Upper Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)



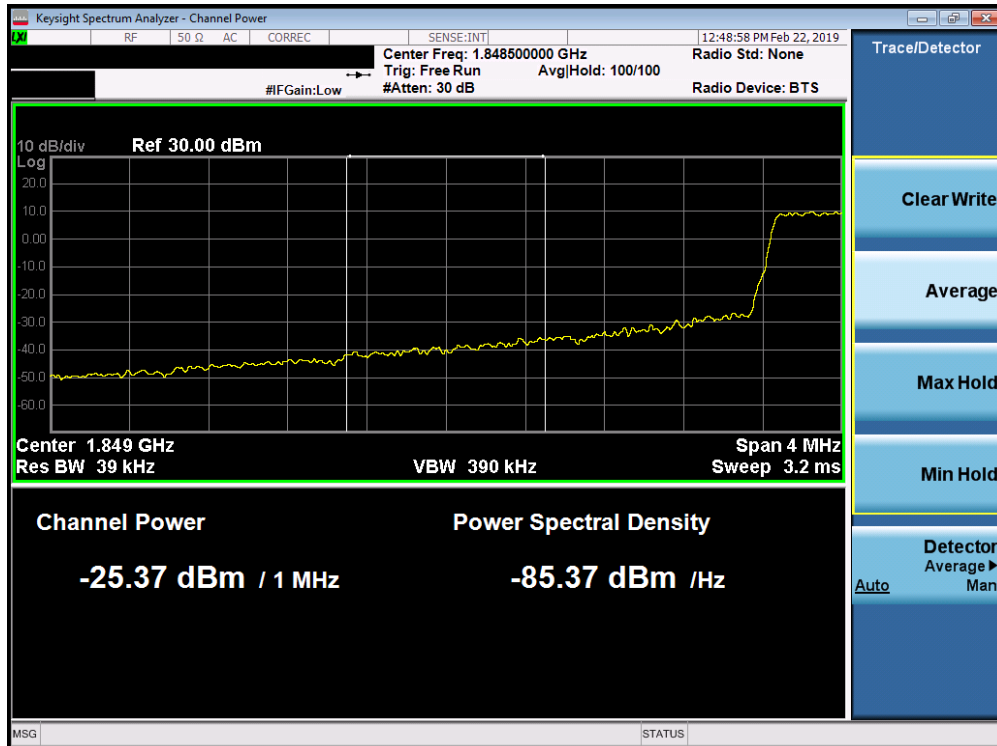
Plot 7-136. Upper Extended Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 88 of 152

Band 2

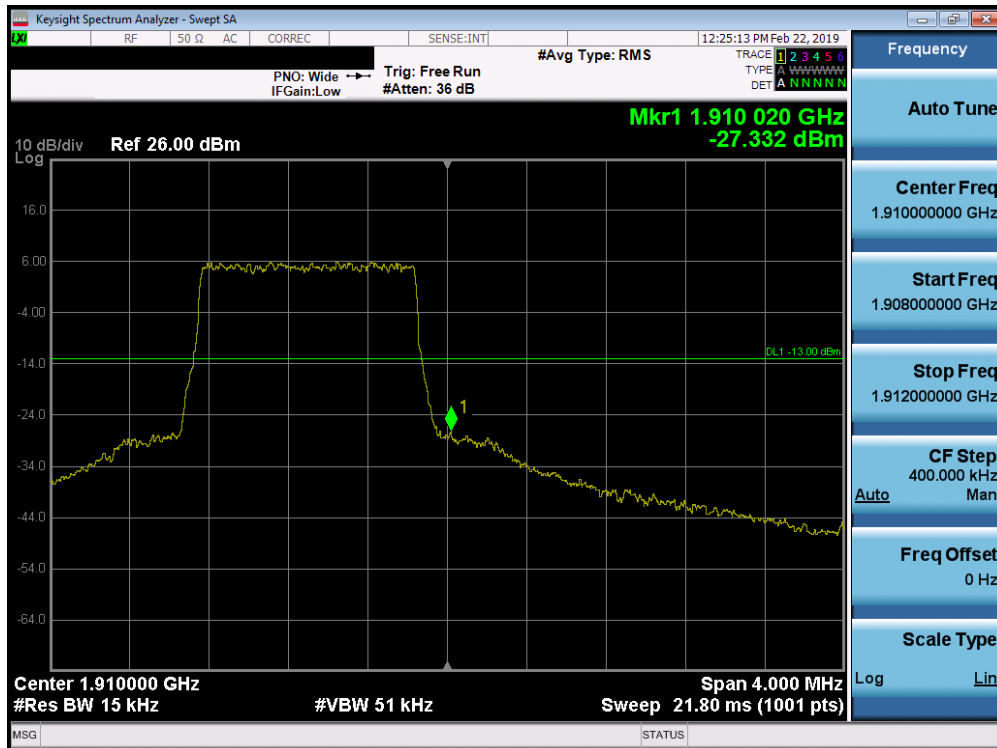


Plot 7-137. Lower Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

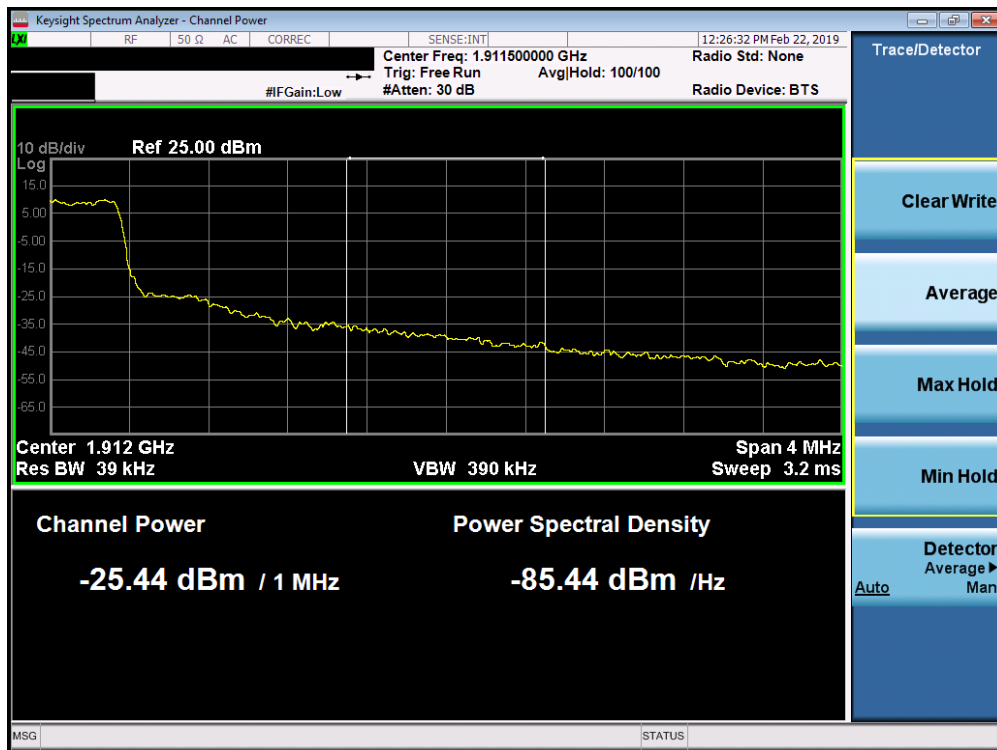


Plot 7-138. Lower Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 89 of 152

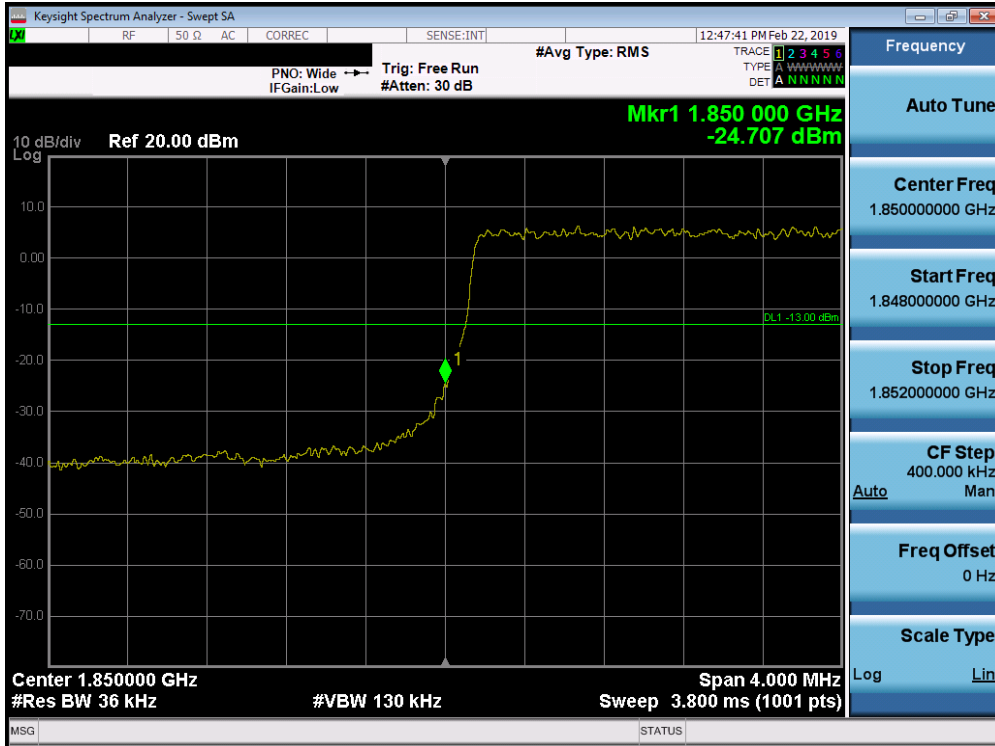


Plot 7-139. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

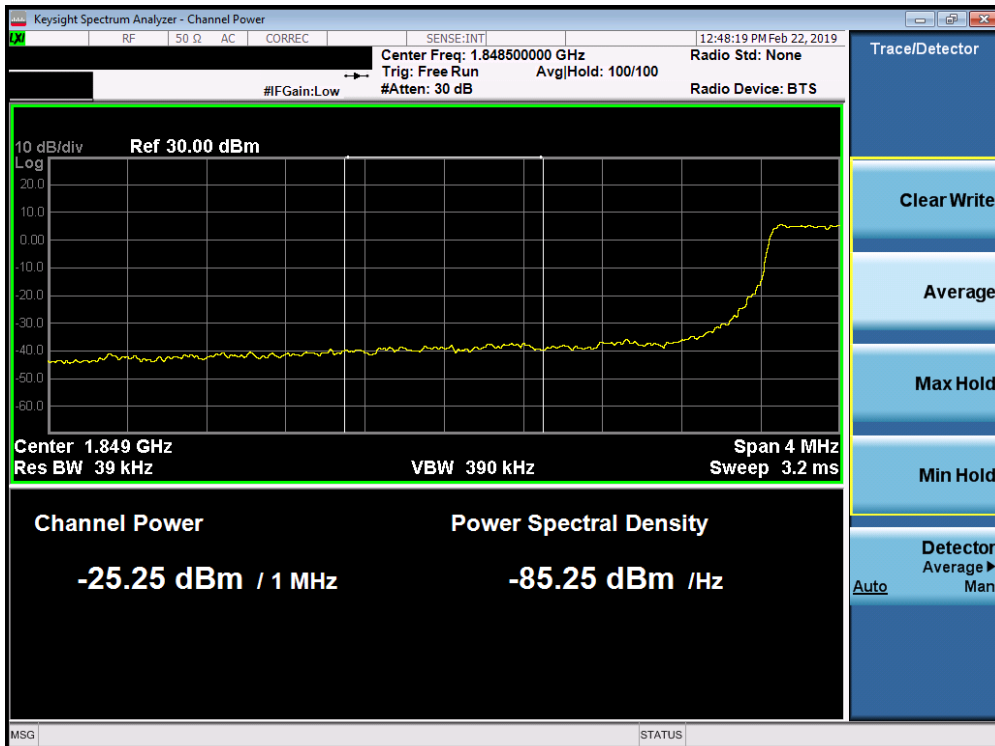


Plot 7-140. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 90 of 152



Plot 7-141. Lower Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

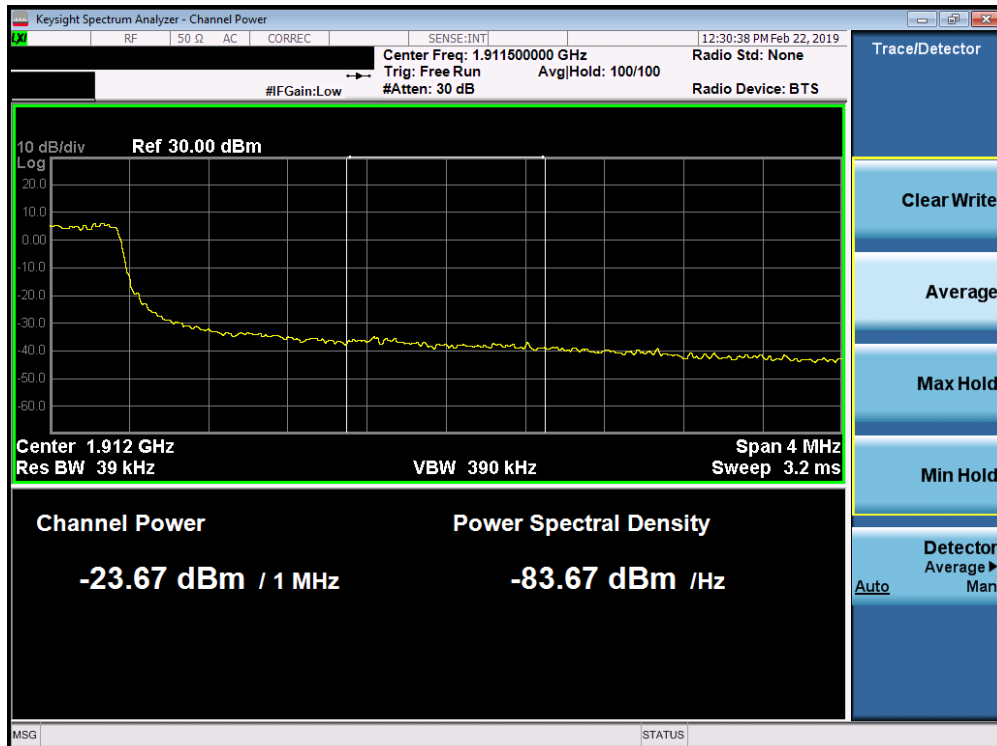


Plot 7-142. Lower Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1-ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 91 of 152

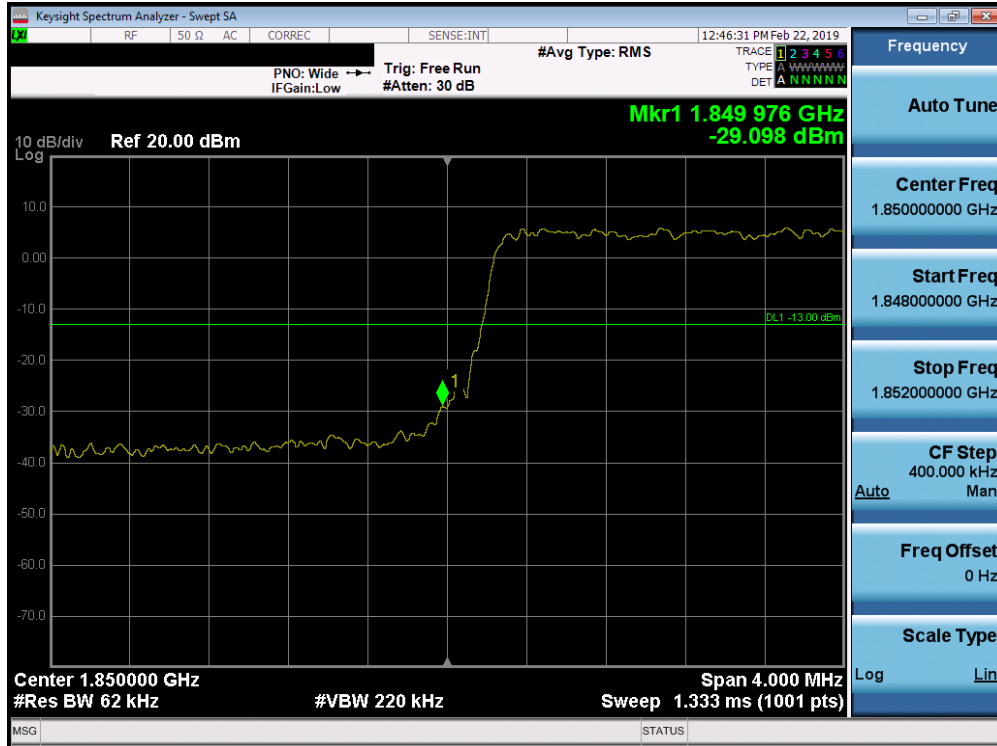


Plot 7-143. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

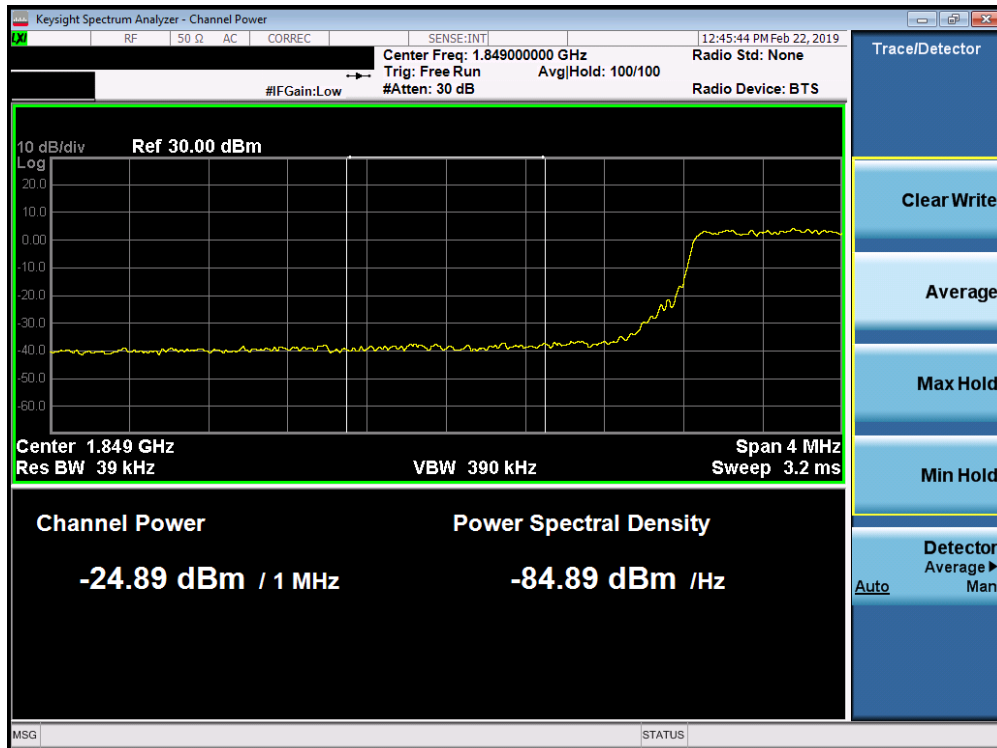


Plot 7-144. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 92 of 152



Plot 7-145. Lower Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-146. Lower Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1901150005-12-R1.ZNF	Test Dates: 1/21 - 4/26/2019	EUT Type: Portable Handset		Page 93 of 152