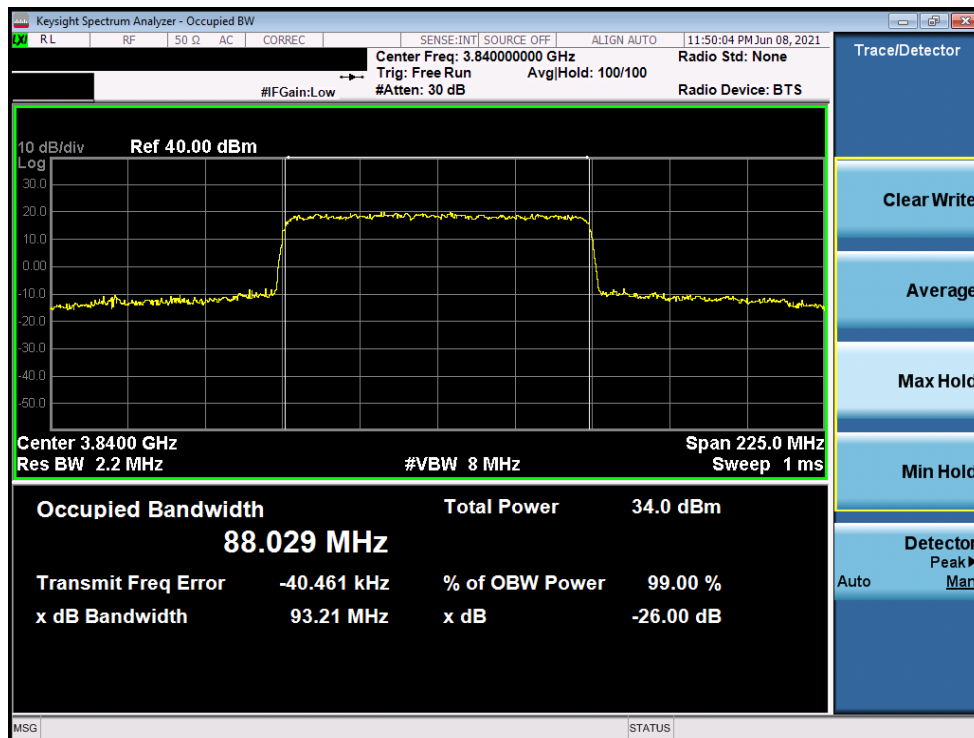
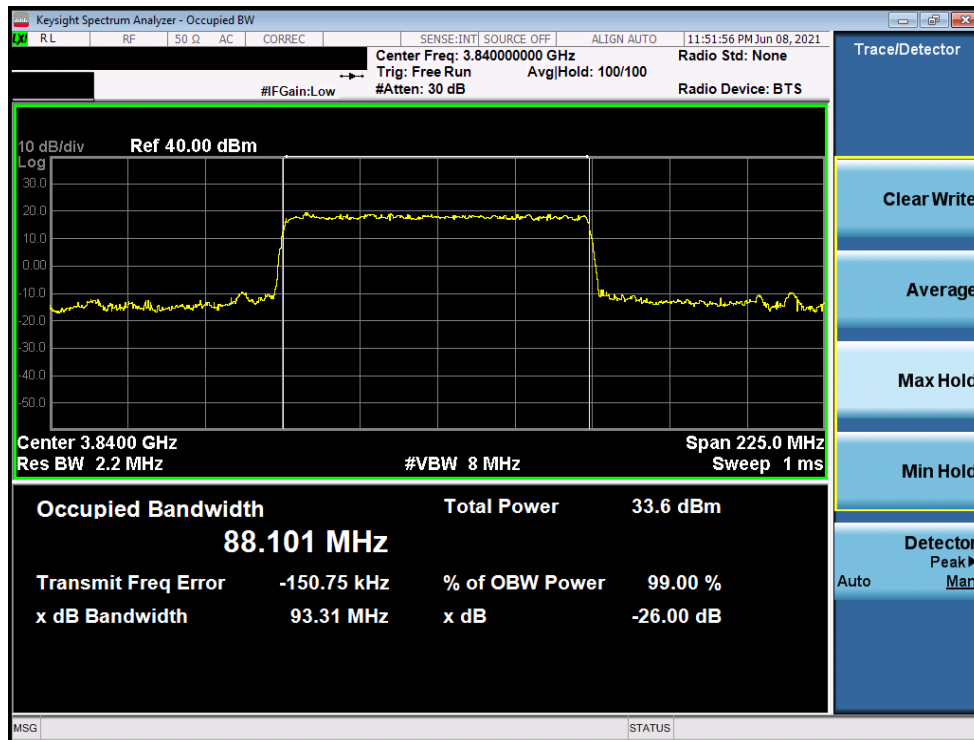


Plot 7-82. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB)

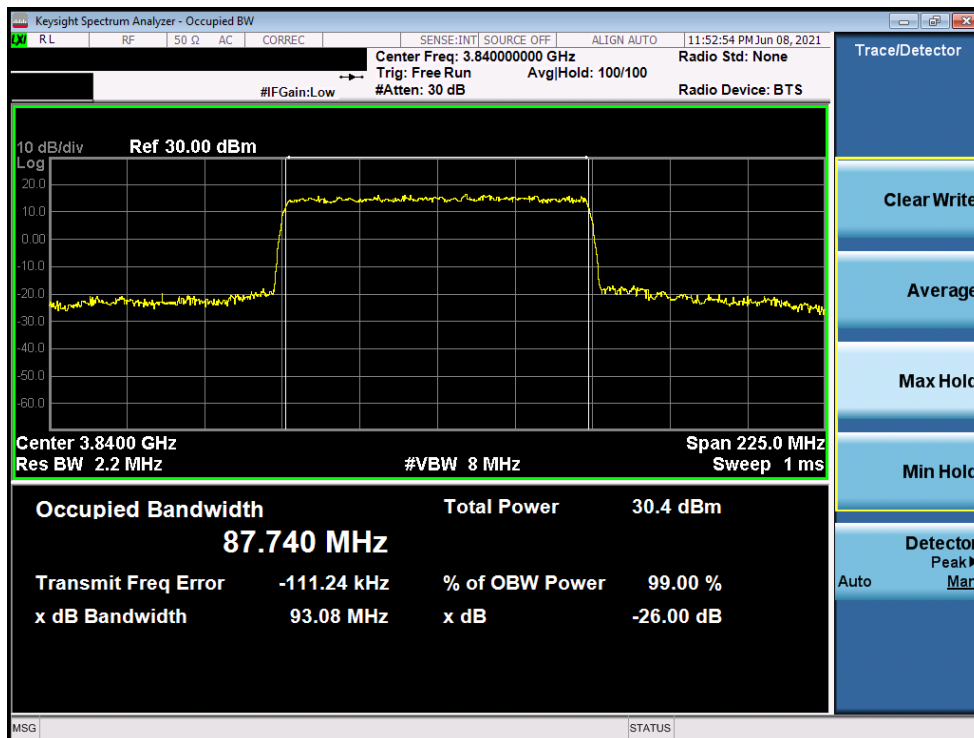


Plot 7-83. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 57 of 171

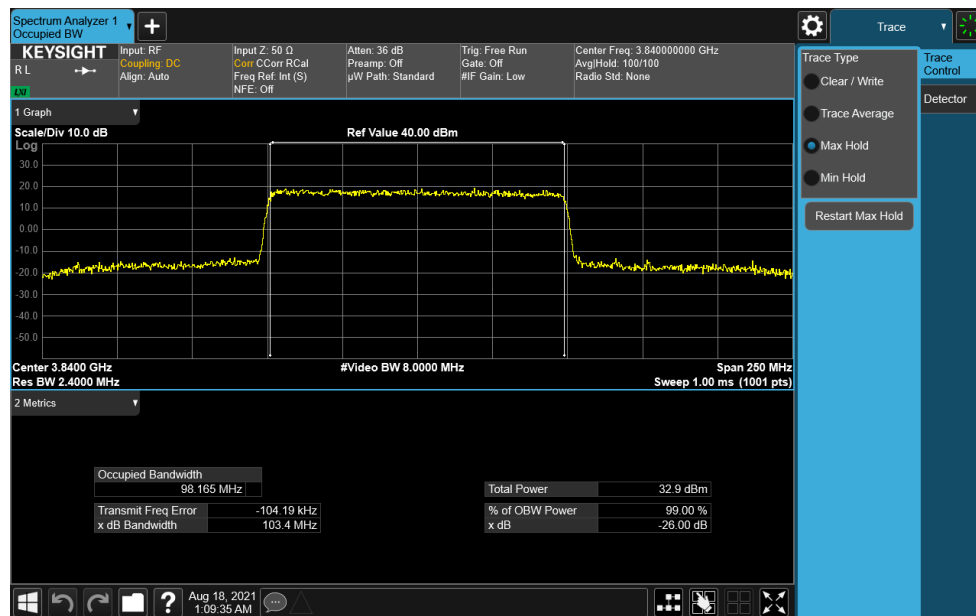



Plot 7-84. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 64-QAM - Full RB)

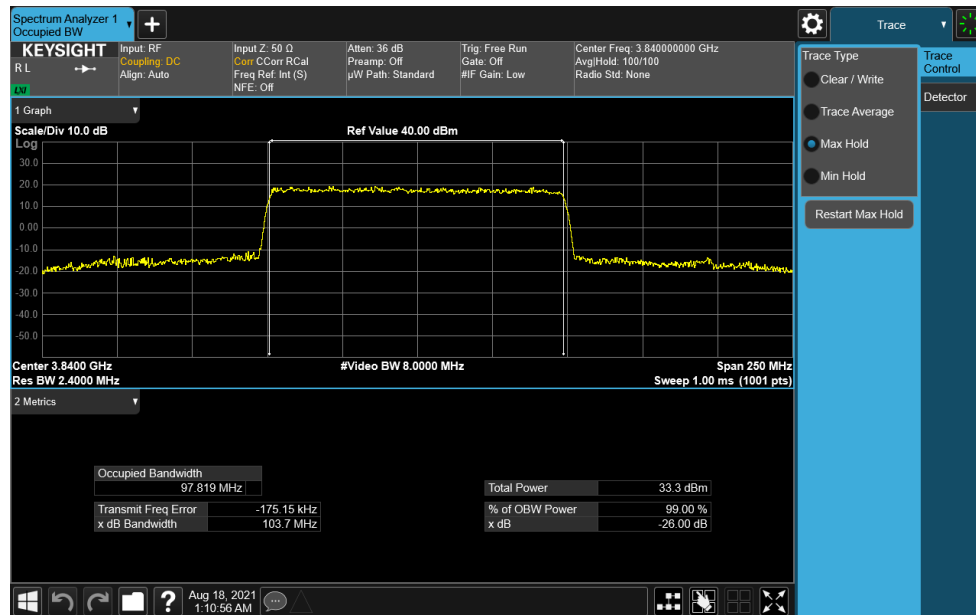


Plot 7-85. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB)

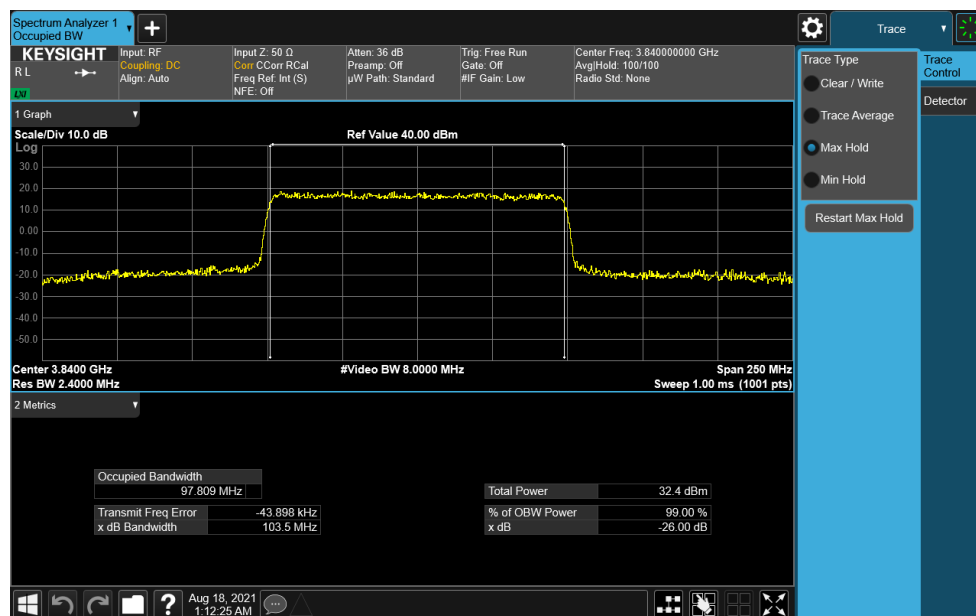
FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 58 of 171




FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 59 of 171

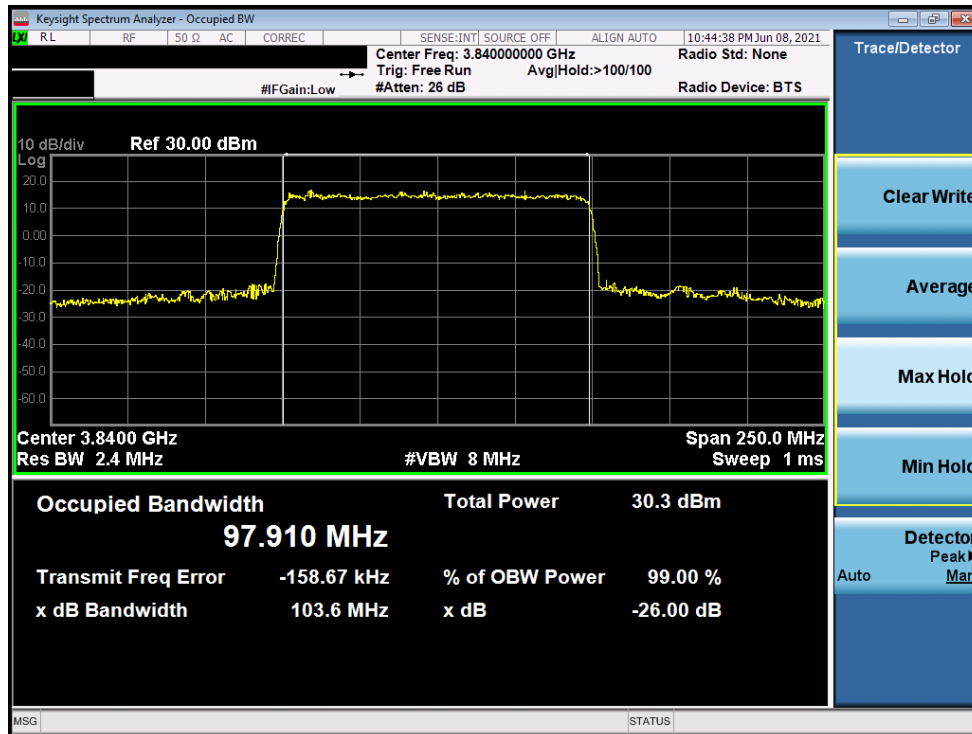


Plot 7-88. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 16-QAM - Full RB)



Plot 7-89. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 60 of 171



Plot 7-90. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 61 of 171

## 7.3 Spurious and Harmonic Emissions at Antenna Terminal

**\$2.1051, \$27.53(l), \$27.53(n)**

### 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 10<sup>th</sup> 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.

***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

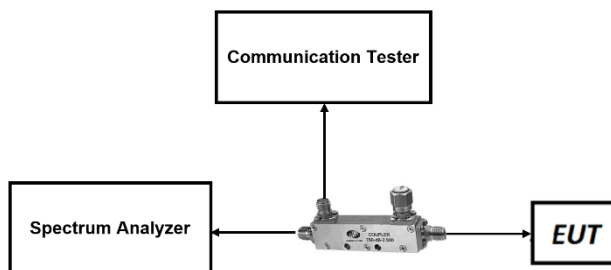
KDB 971168 D01 v03r01 – Section 6.0

### Test Settings


1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

### Test Setup

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




**Figure 7-2. Test Instrument & Measurement Setup**

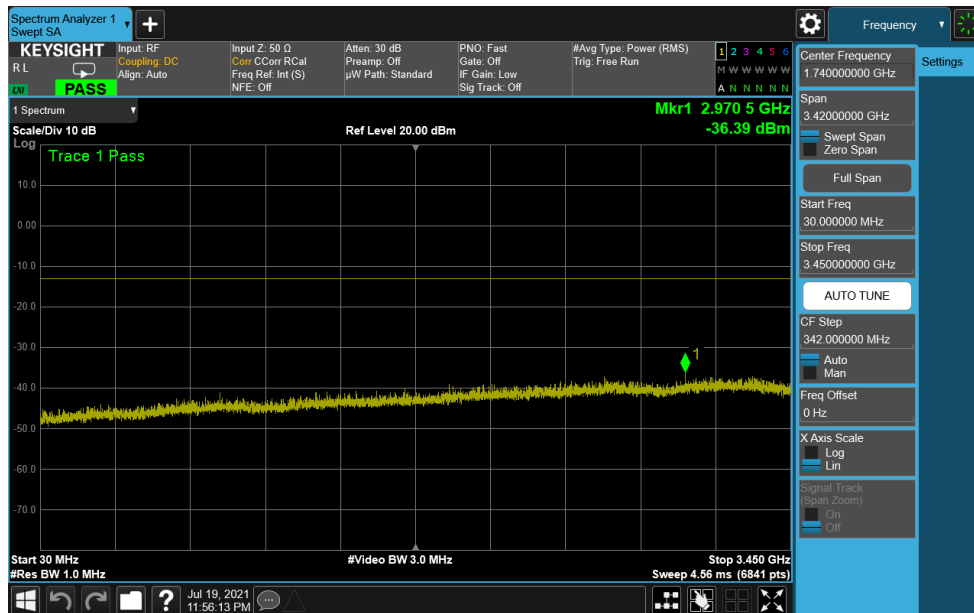
<b>FCC ID:</b> BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080049-05-R1.BCG	<b>Test Dates:</b> 6/2/2021 - 8/15/2021	<b>EUT Type:</b> Tablet Device	Page 62 of 171

## **Test Notes**

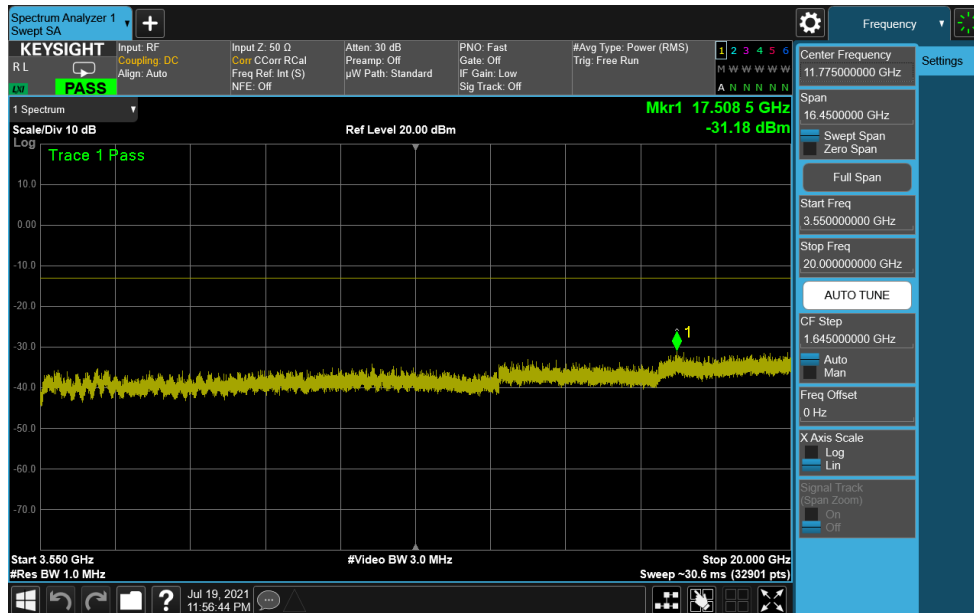
1. Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent 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.

<b>FCC ID:</b> BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080049-05-R1.BCG	<b>Test Dates:</b> 6/2/2021 - 8/15/2021	<b>EUT Type:</b> Tablet Device	Page 63 of 171

## NR Band n77 PC2 DoD-Band



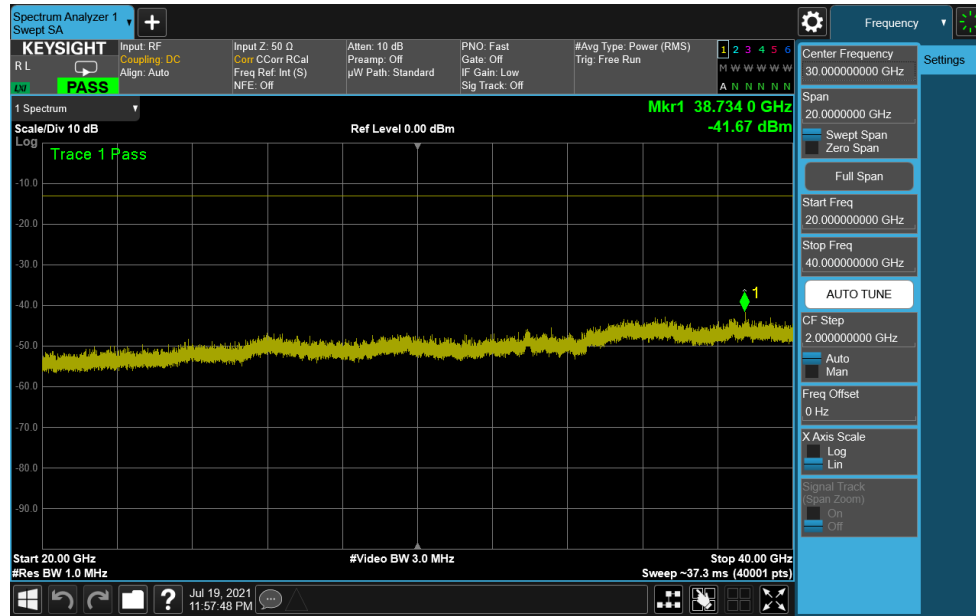
Plot 7-91. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)




Plot 7-92. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 64 of 171

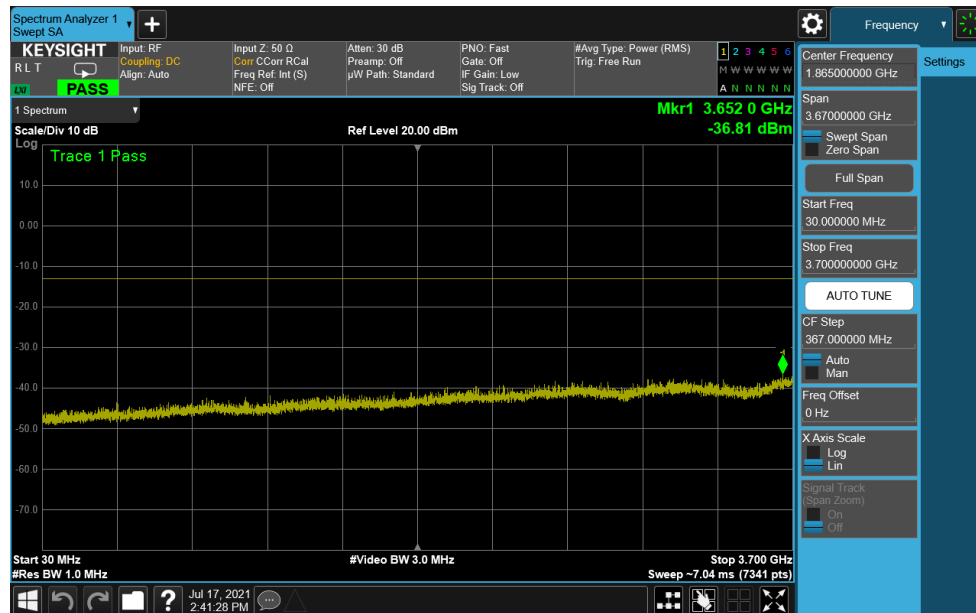




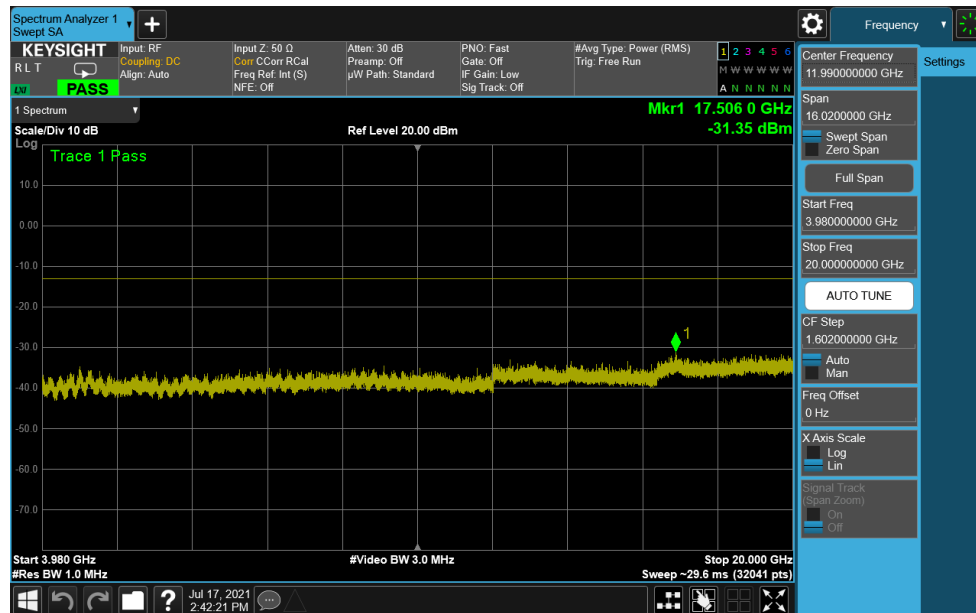
Plot 7-93. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 65 of 171

## NR Band n77 PC2 C-Band

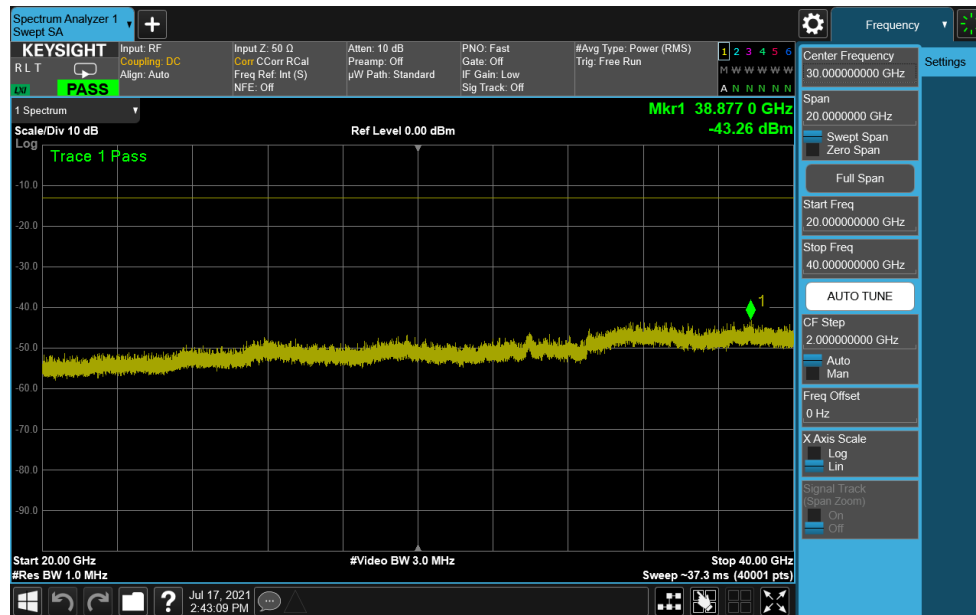


Plot 7-94. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

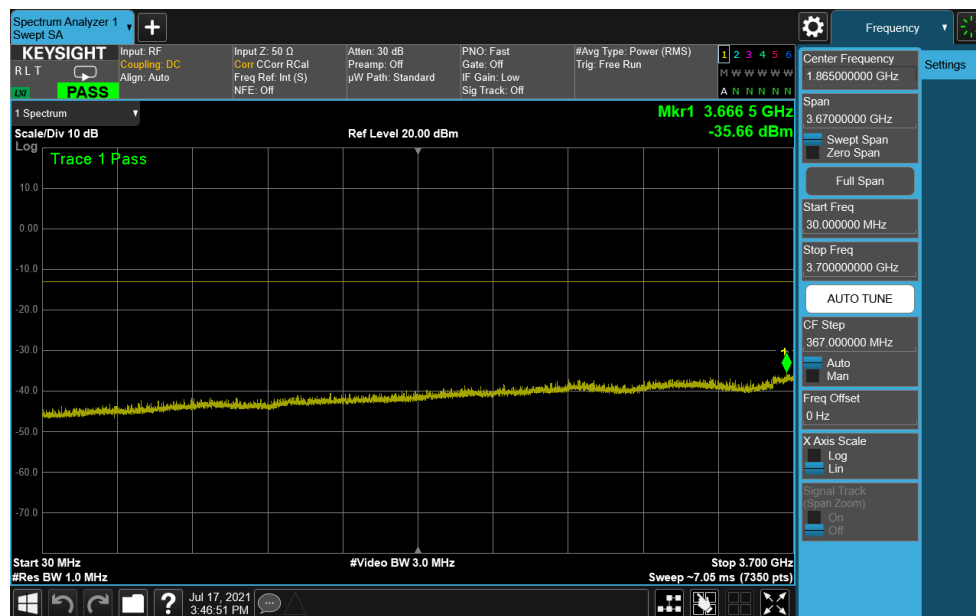


Plot 7-95. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 66 of 171

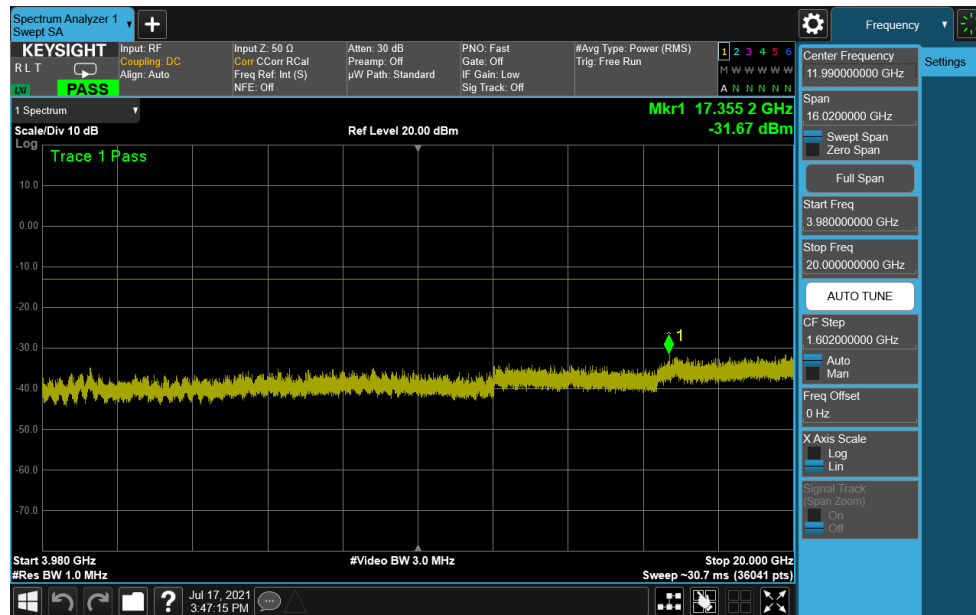


Plot 7-96. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

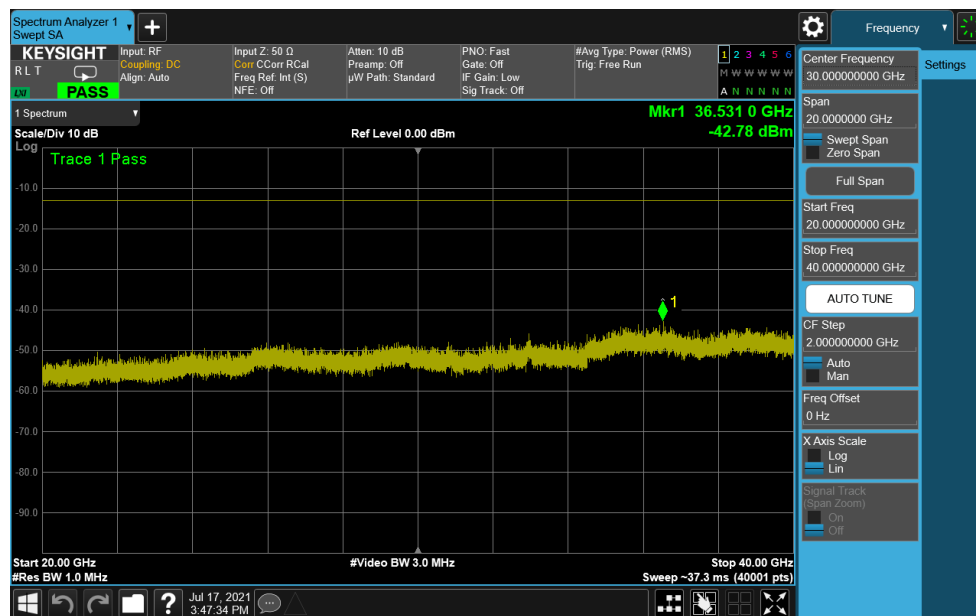


Plot 7-97. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 67 of 171

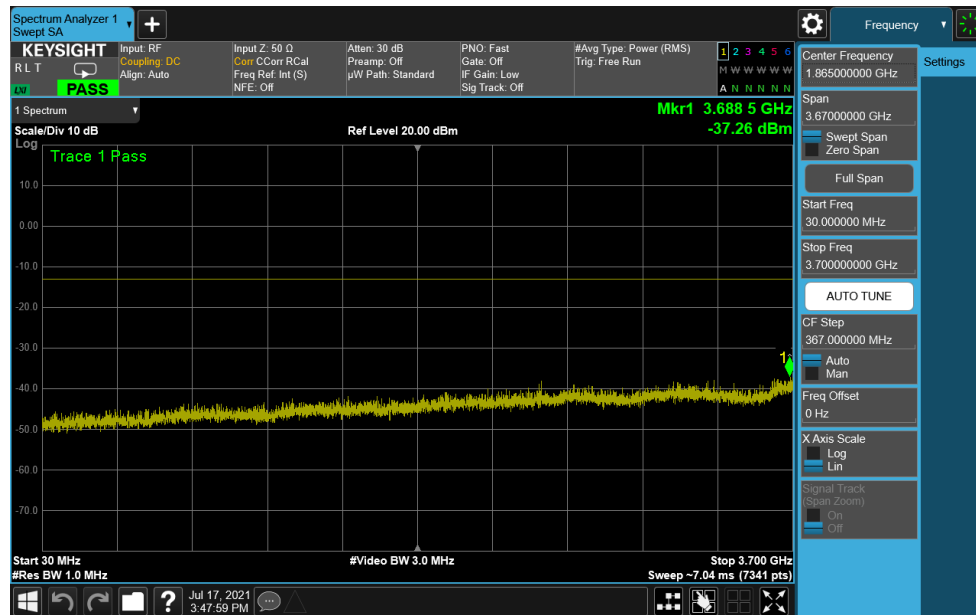


Plot 7-98. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

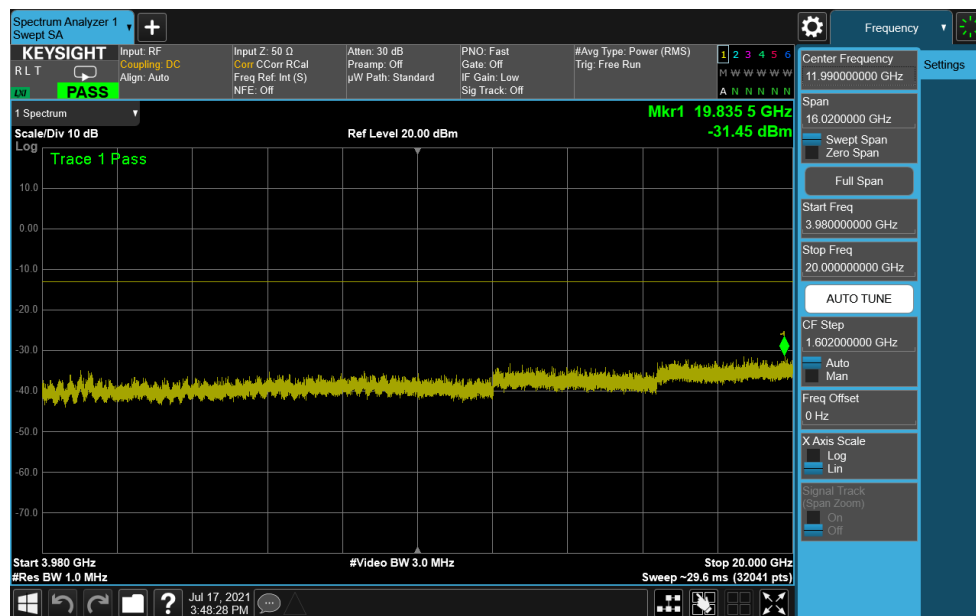


Plot 7-99. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 68 of 171

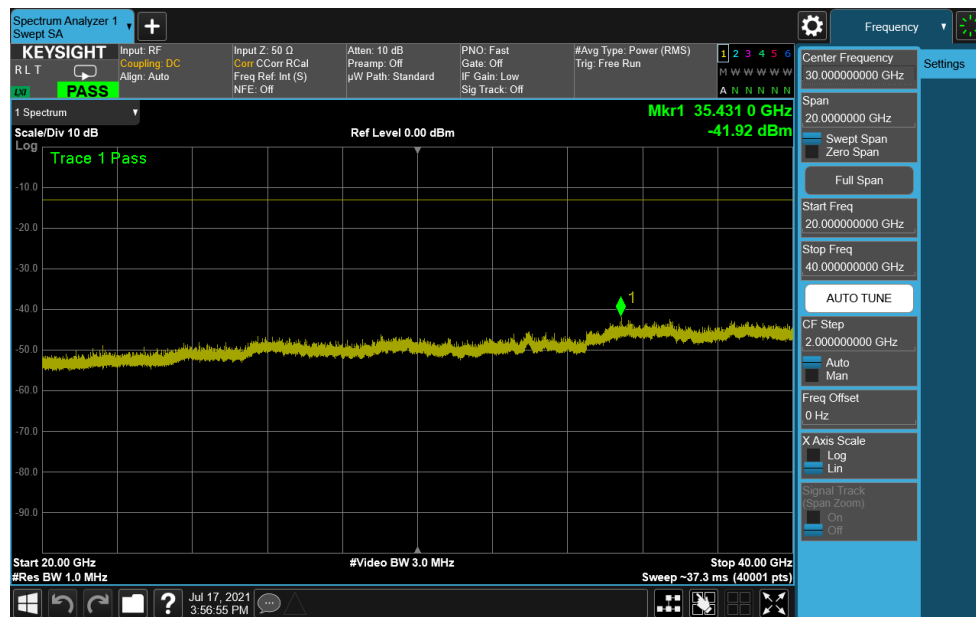


Plot 7-100. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-S-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)




Plot 7-101. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-S-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 69 of 171



Plot 7-102. Conducted Spurious Plot (NR Band n77 - 100MHz DFT-S-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 70 of 171

## 7.4 Band Edge Emissions at Antenna Terminal

**§2.1051, §27.53(l), §27.53(n)**

### **Test Overview**

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

***For NR FR1 Band n77, 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**

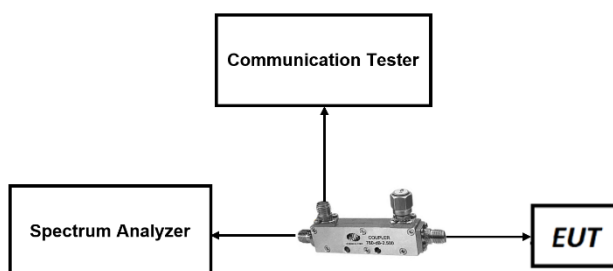
KDB 971168 D01 v03r01 – Section 6.0

### **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 x RBW
5. Detector = RMS
6. Number of sweep points  $\geq$  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**

<b>FCC ID:</b> BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080049-05-R1.BCG	<b>Test Dates:</b> 6/2/2021 - 8/15/2021	<b>EUT Type:</b> Tablet Device	Page 71 of 171

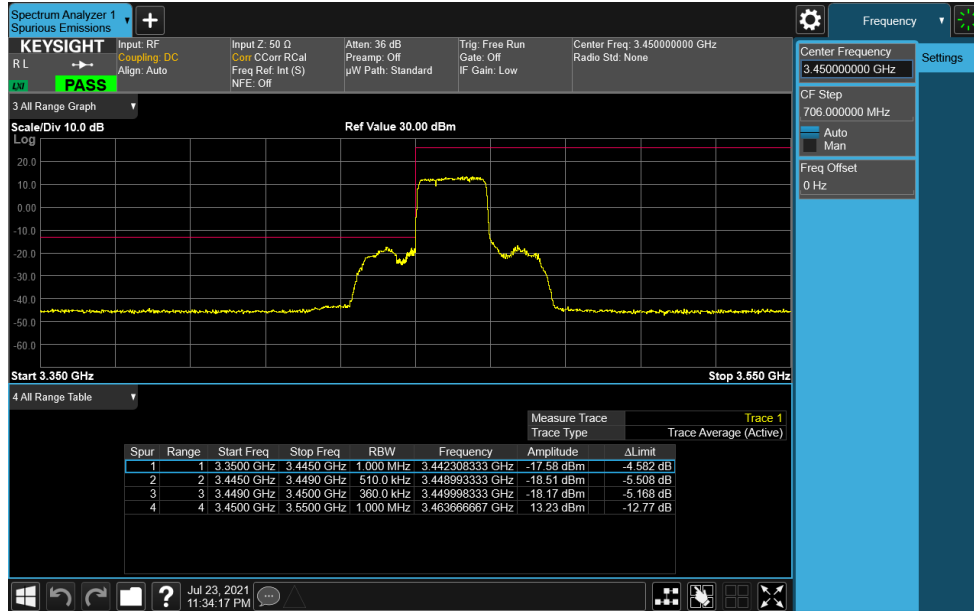
## Test Notes

1. Per Part 27.53(l), compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 1MHz or greater. 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. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth shall be 500kHz. 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 Part 27.53(n), compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 1MHz or greater. 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth shall be 500kHz. 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.
3. 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.

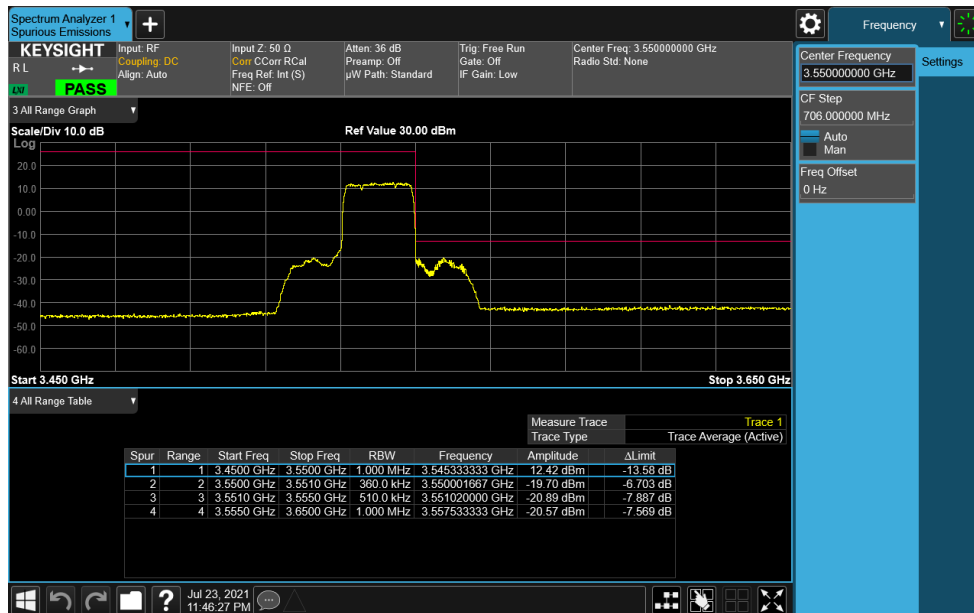
<b>FCC ID:</b> BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080049-05-R1.BCG	<b>Test Dates:</b> 6/2/2021 - 8/15/2021	<b>EUT Type:</b> Tablet Device	Page 72 of 171



## NR Band n77 DoD-Band

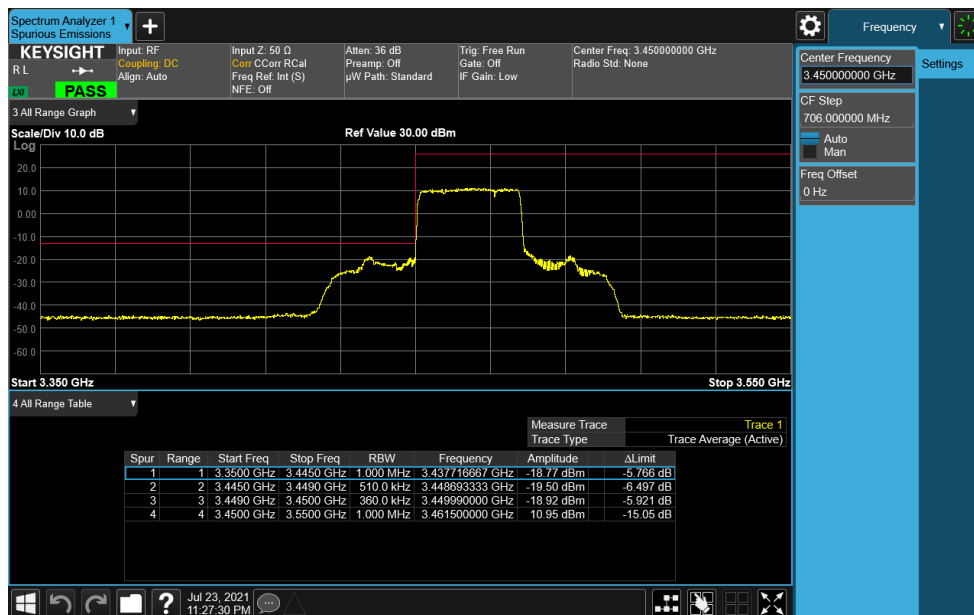


Plot 7-103. Lower ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

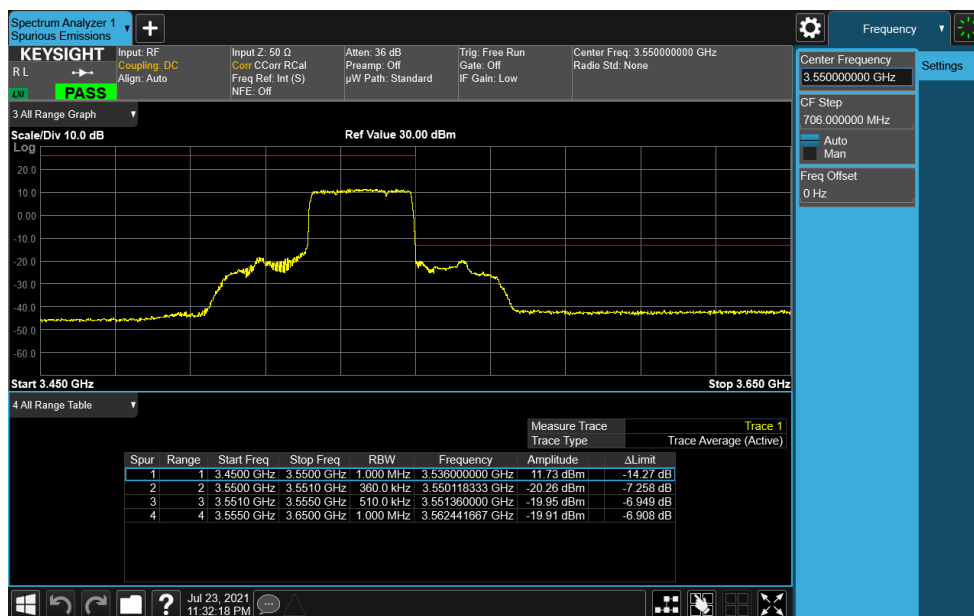


Plot 7-104. Upper ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 73 of 171

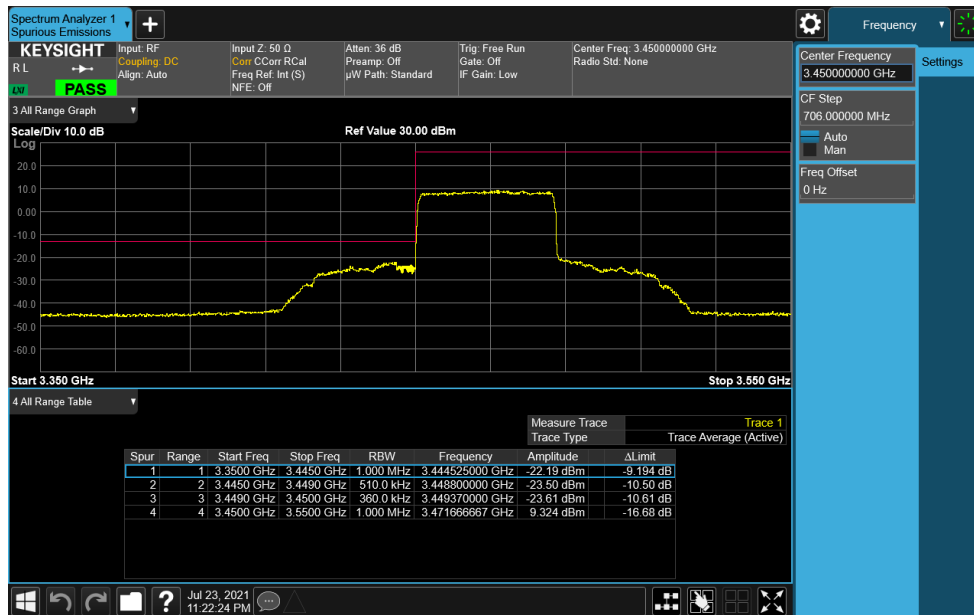


Plot 7-105. Lower ACP Plot (NR Band n77 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

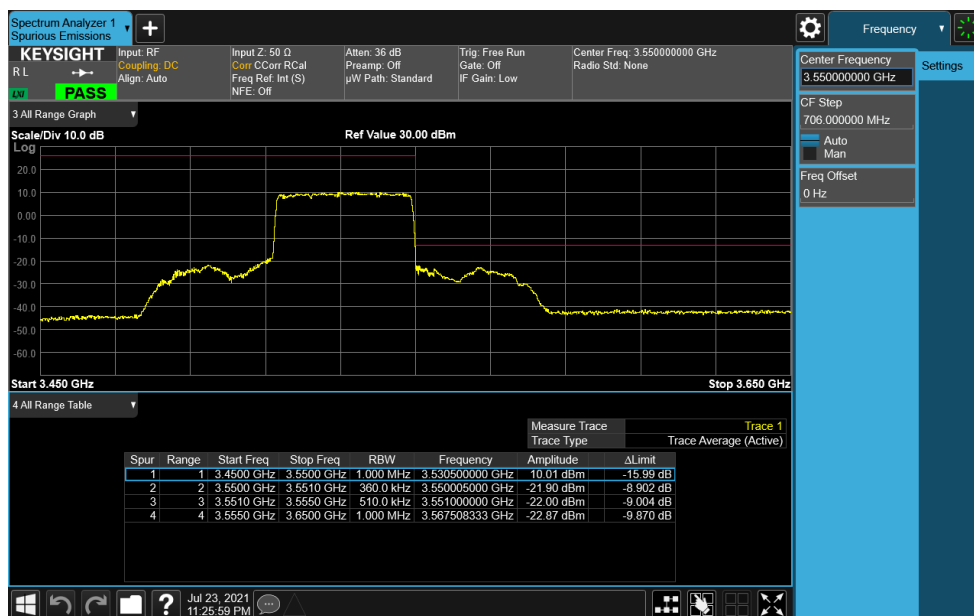


Plot 7-106. Upper ACP Plot (NR Band n77 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 74 of 171

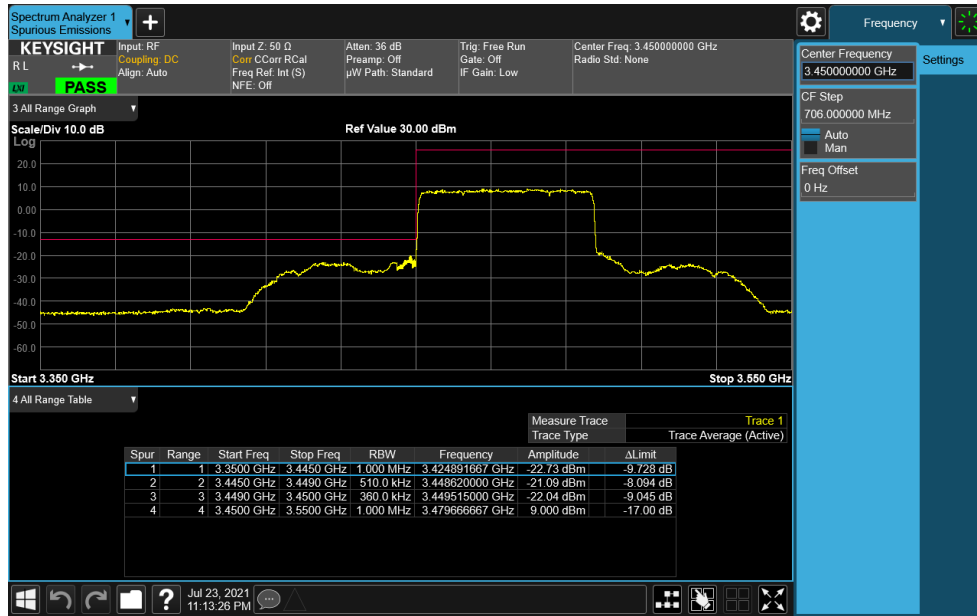


Plot 7-107. Lower ACP Plot (NR Band n77 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

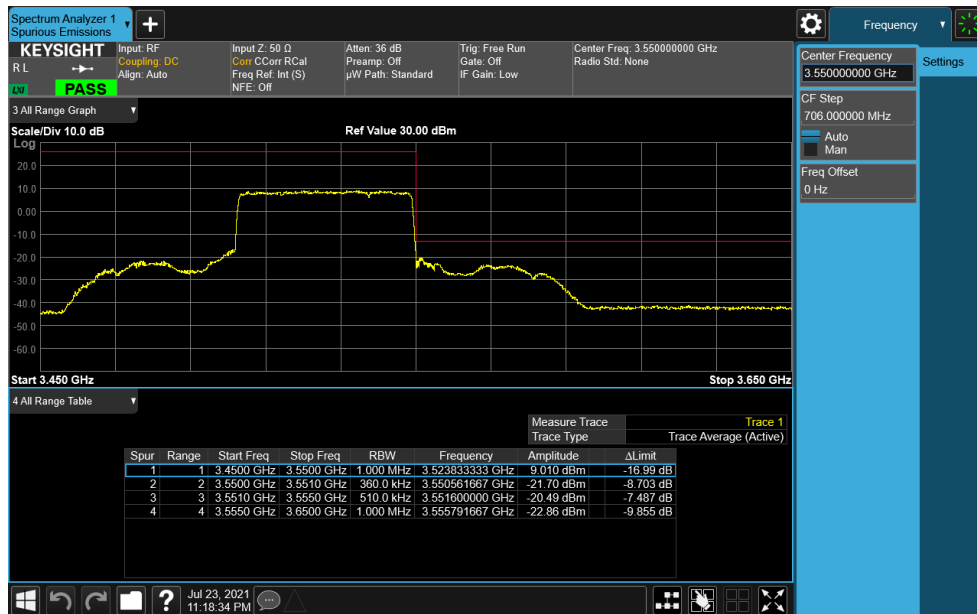


Plot 7-108. Upper ACP Plot (NR Band n77 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 75 of 171

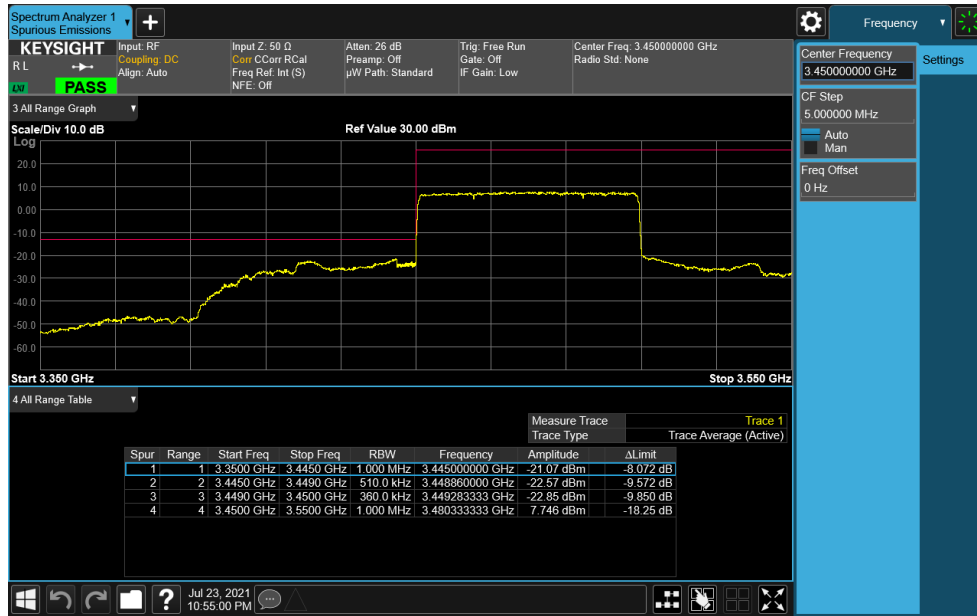


Plot 7-109. Lower ACP Plot (NR Band n77 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

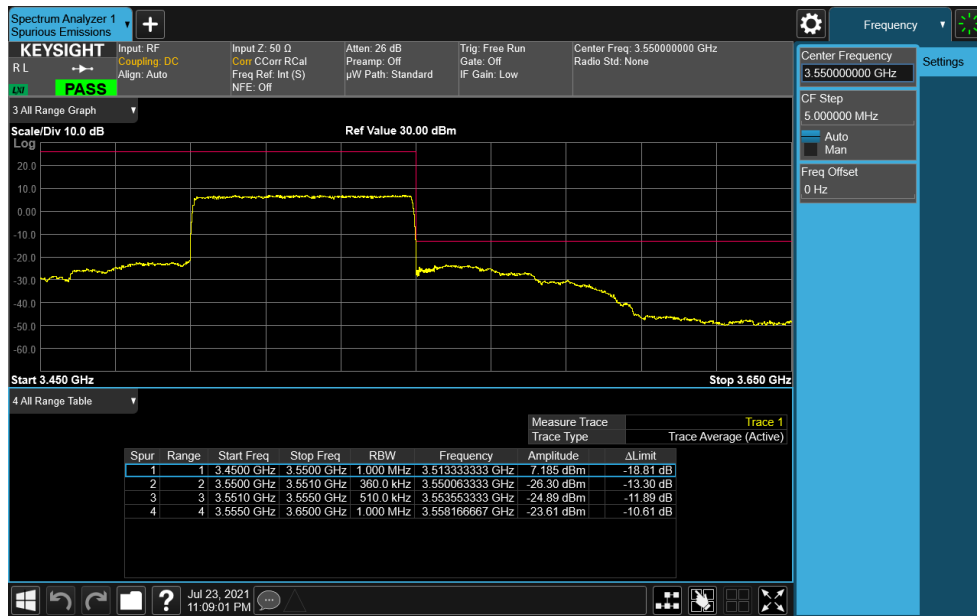


Plot 7-110. Upper ACP Plot (NR Band n77 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)


FCC ID: BCGA2568	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device		Page 76 of 171



Plot 7-111. Lower ACP Plot (NR Band n77 - 60MHz DFT-s-OFDM QPSK – Full RB)

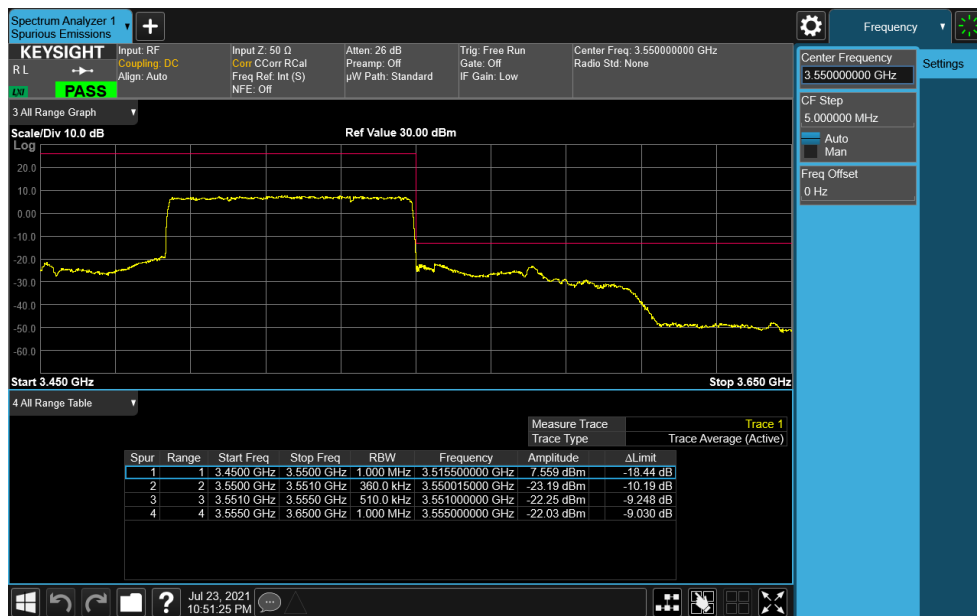


Plot 7-112. Upper ACP Plot (NR Band n77 - 60MHz DFT-s-OFDM QPSK – Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 77 of 171

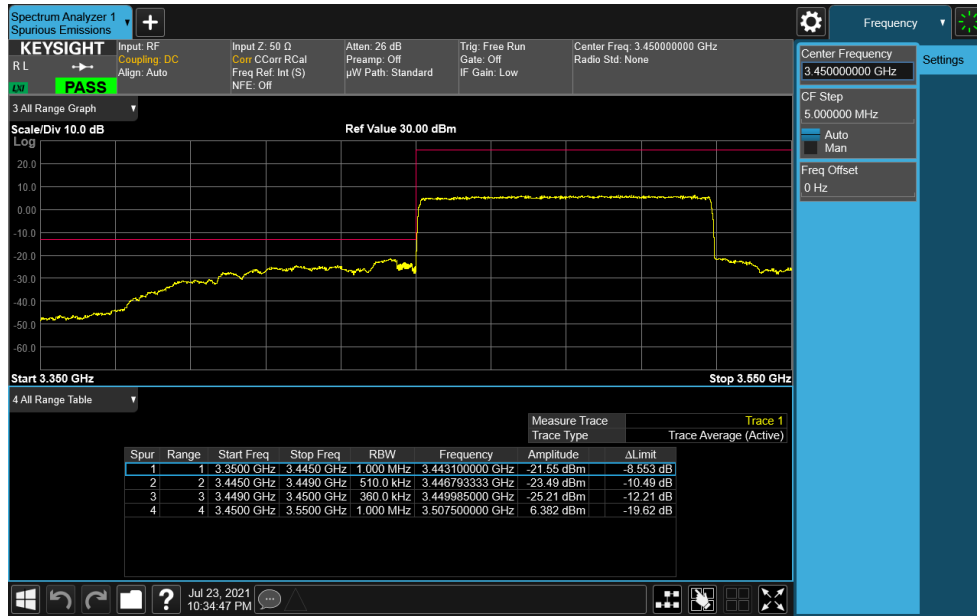


Plot 7-113. Lower ACP Plot (NR Band n77 - 70MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

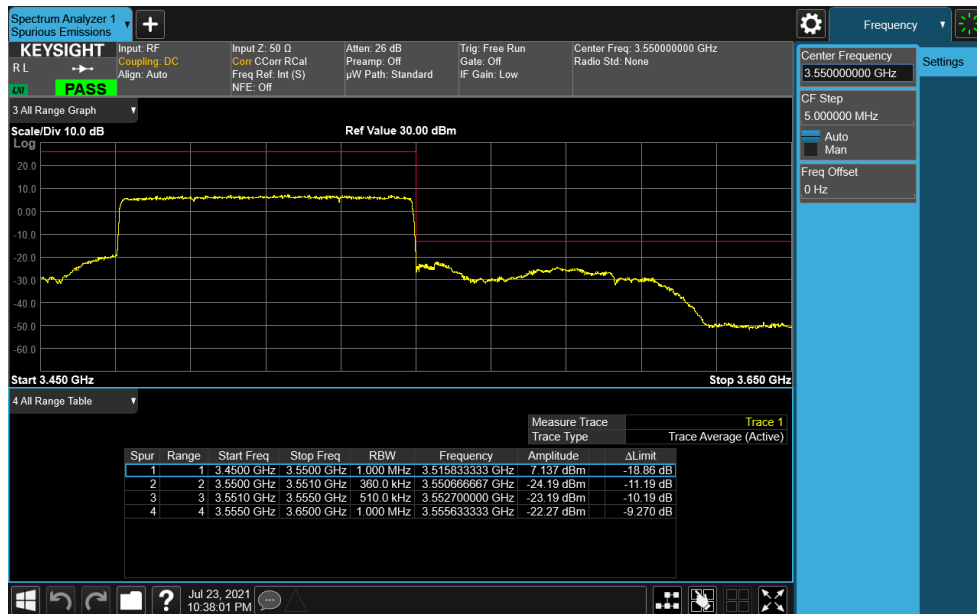


Plot 7-114. Upper ACP Plot (NR Band n77 - 70MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 78 of 171

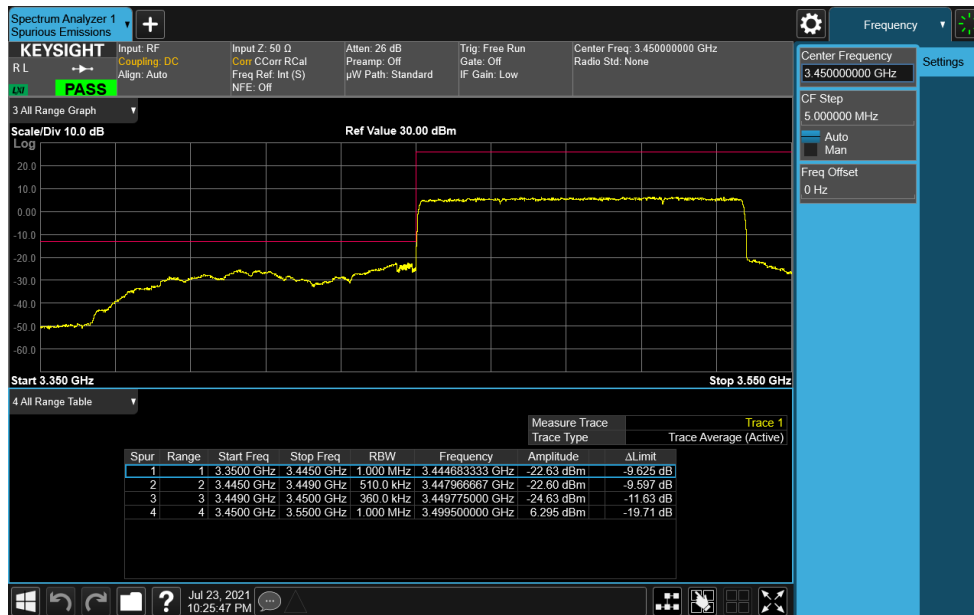


Plot 7-115. Lower ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM QPSK – Full RB)

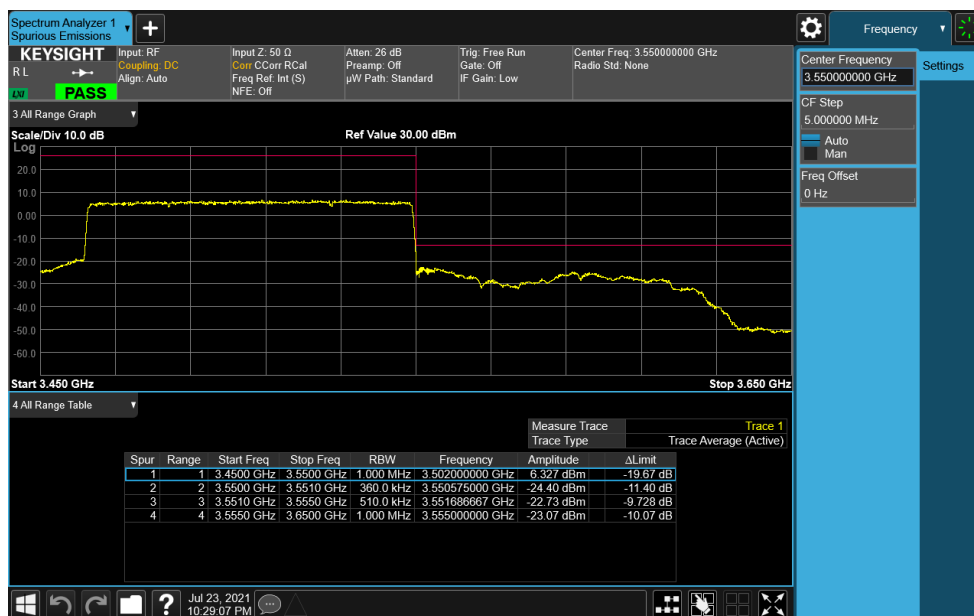


Plot 7-116. Upper ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 79 of 171



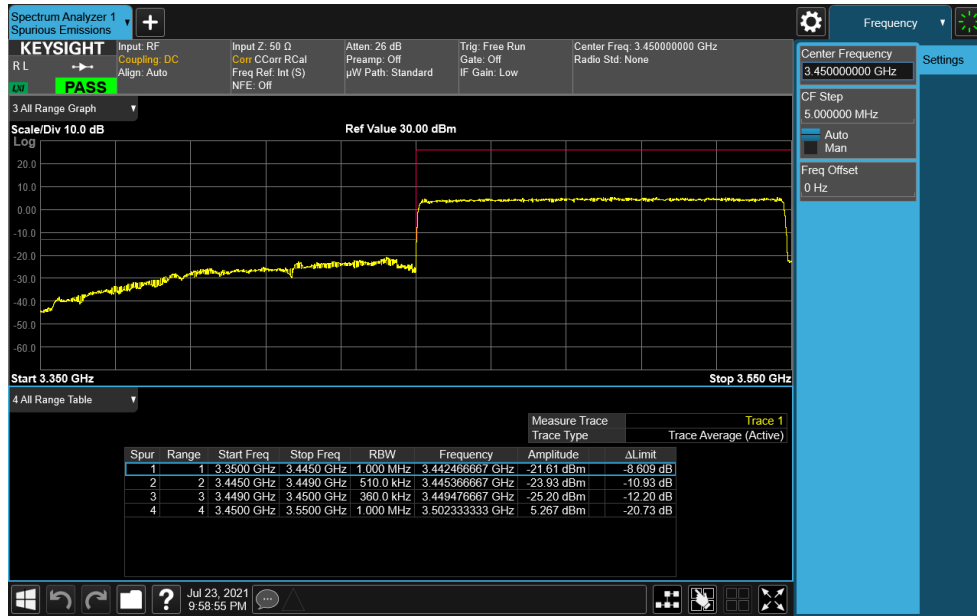
Plot 7-117. Lower ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



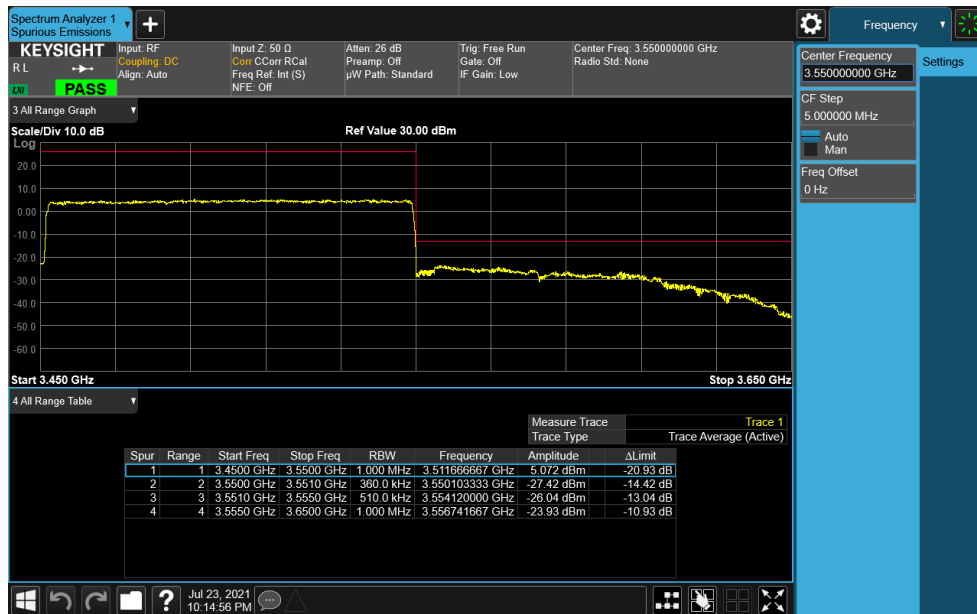
Plot 7-118. Upper ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 80 of 171






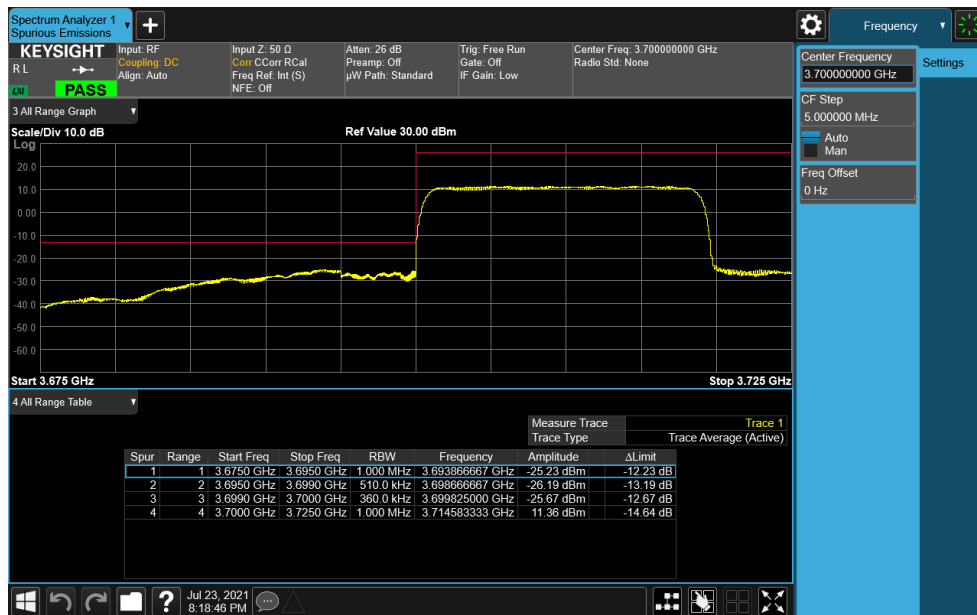
Plot 7-119. Lower ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK – Full RB)



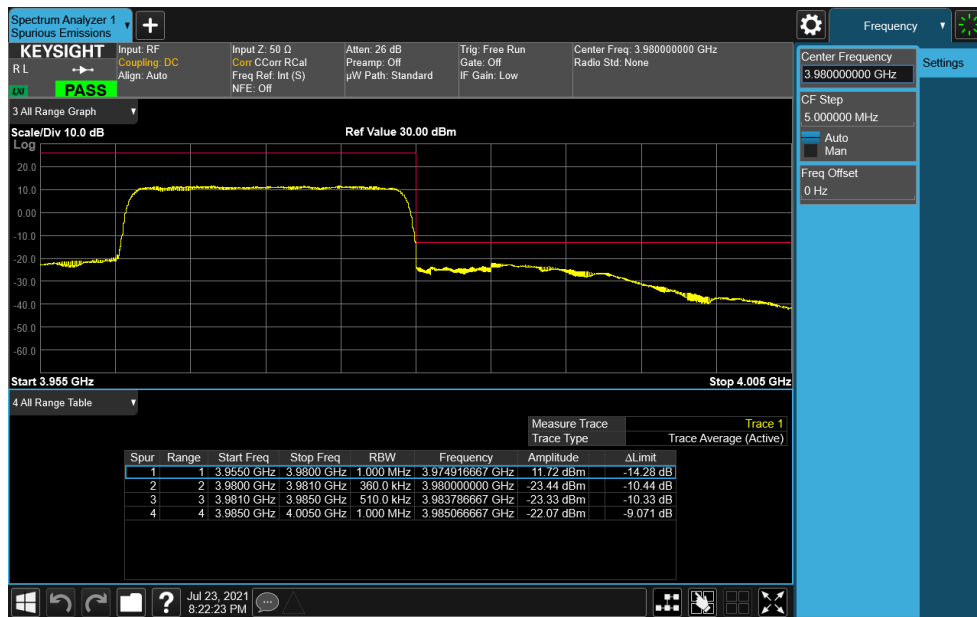
Plot 7-120. Upper ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 81 of 171

## NR Band n77 C-Band

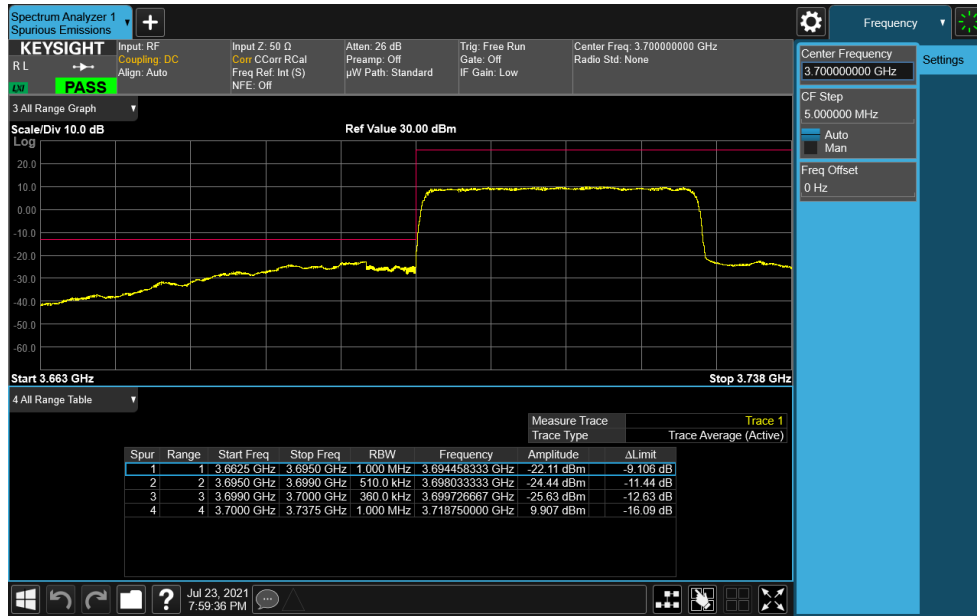



Plot 7-121. Lower ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM QPSK – Full RB)

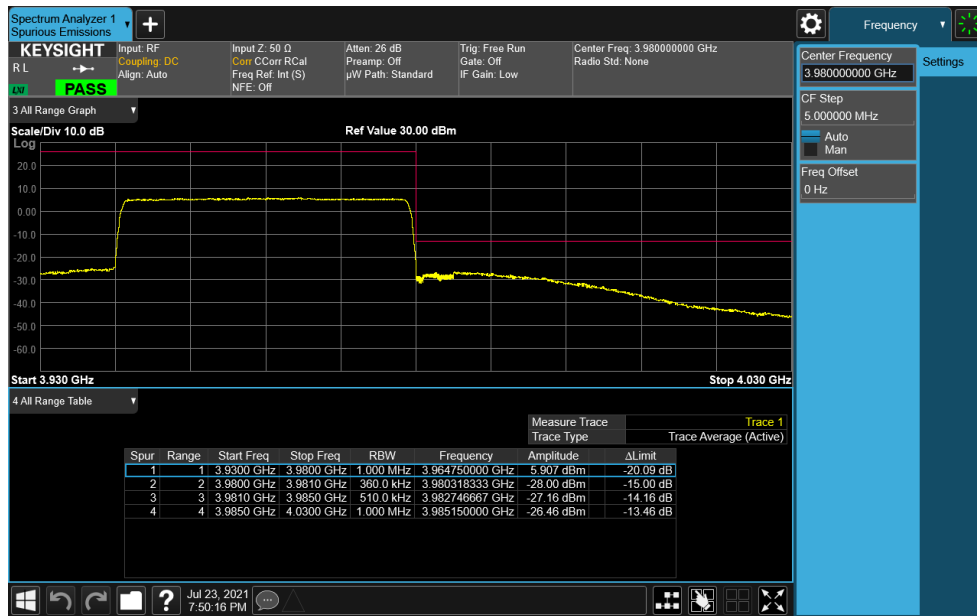
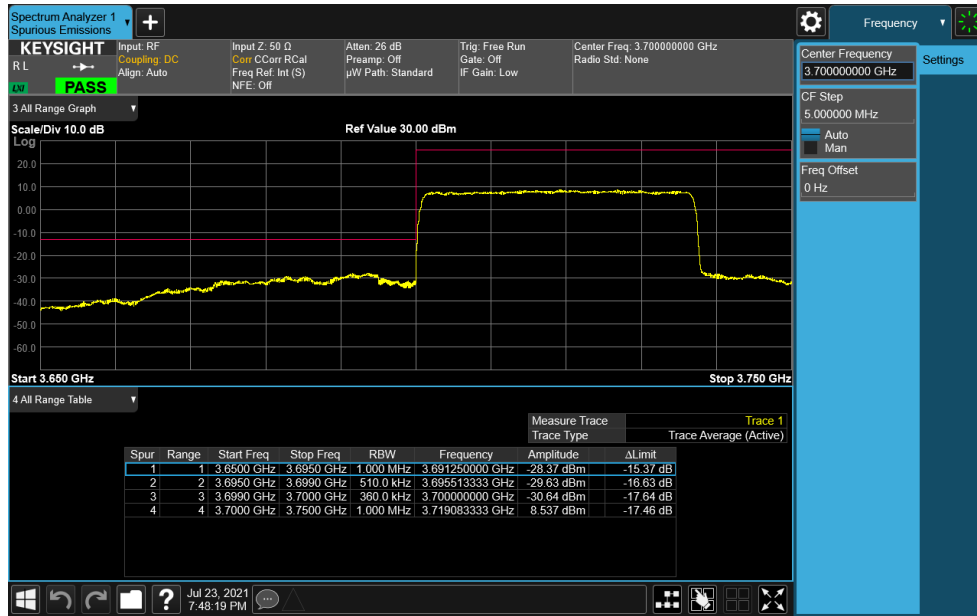



Plot 7-122. Upper ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM QPSK – Full RB)

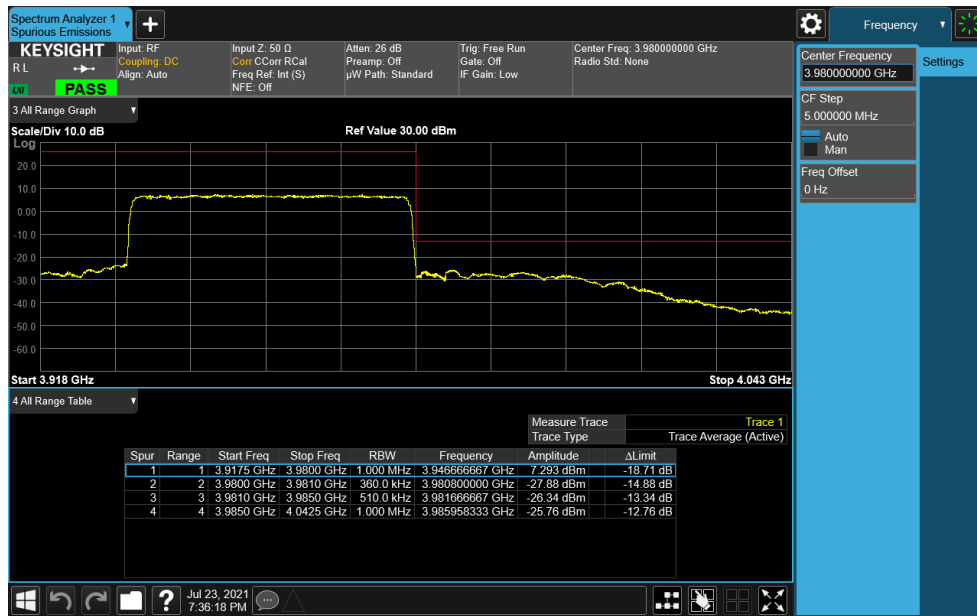
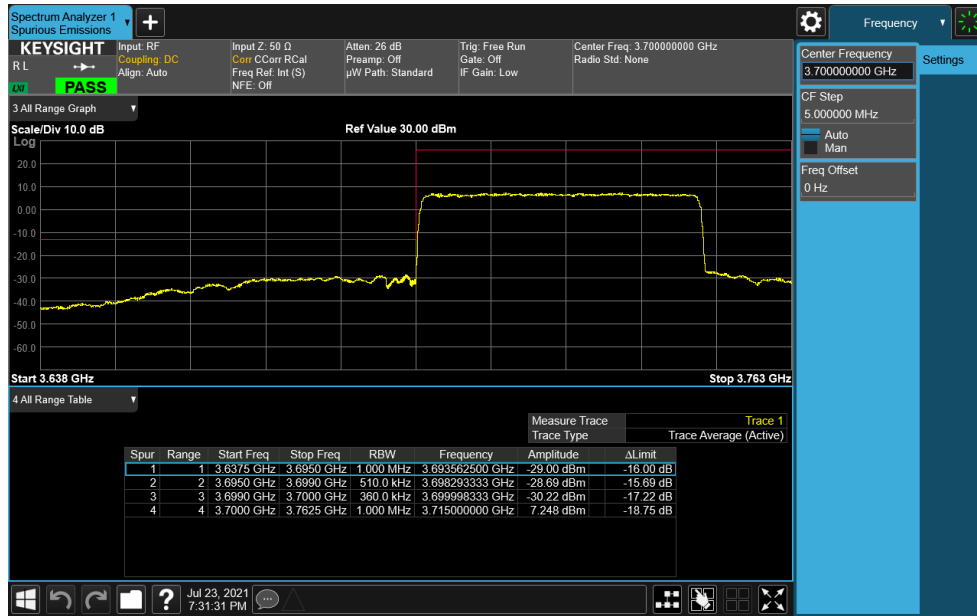
FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 82 of 171




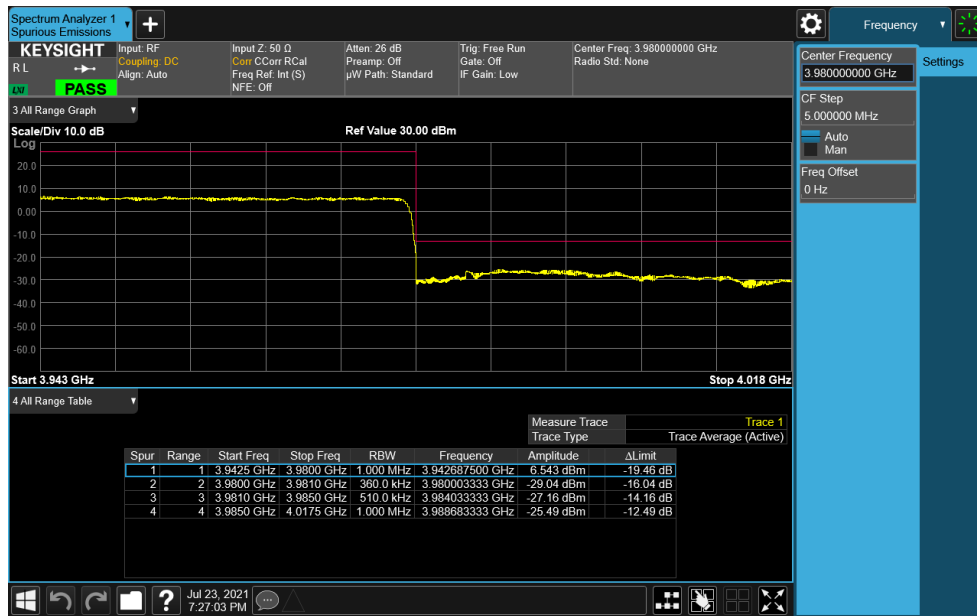
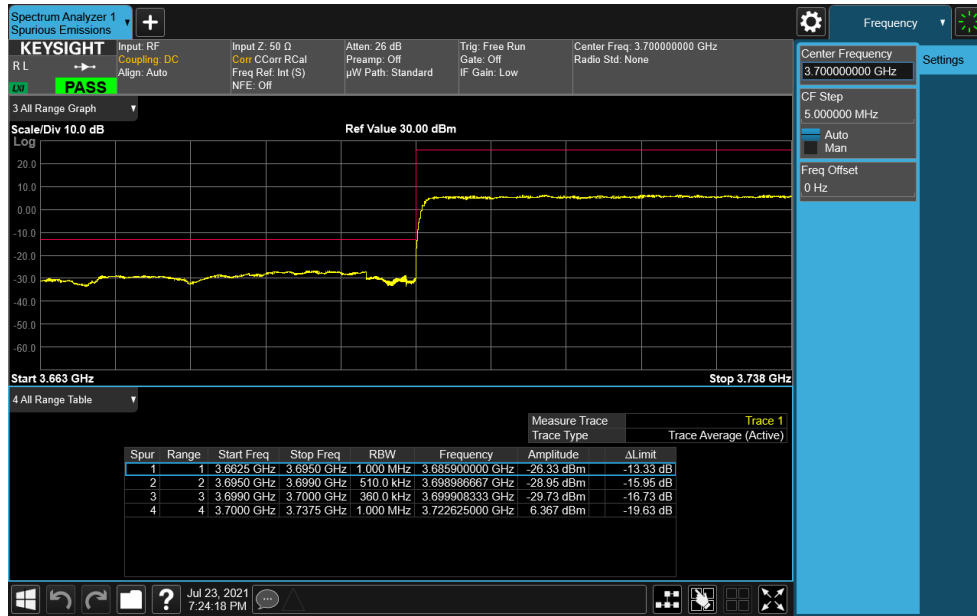
FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 83 of 171




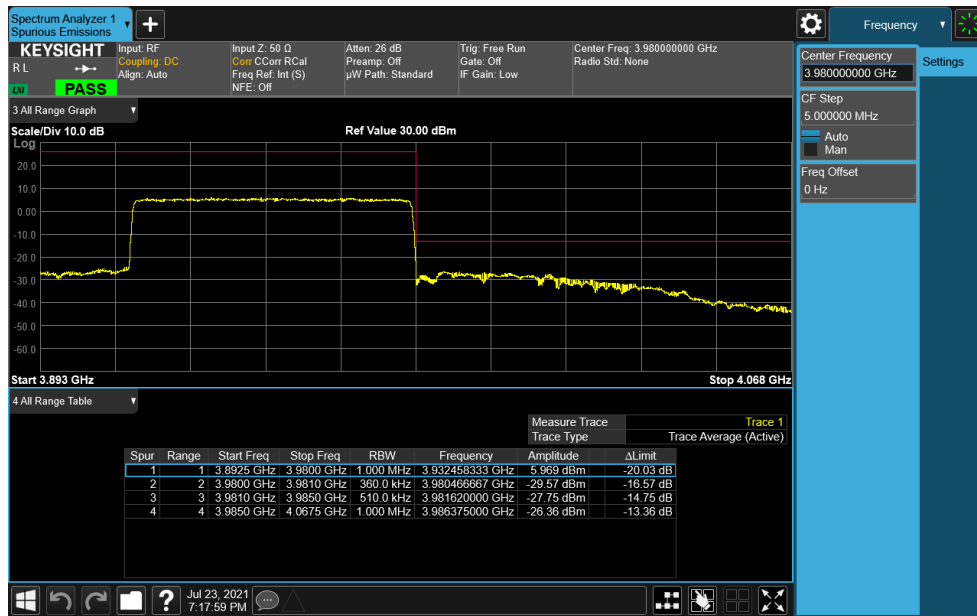
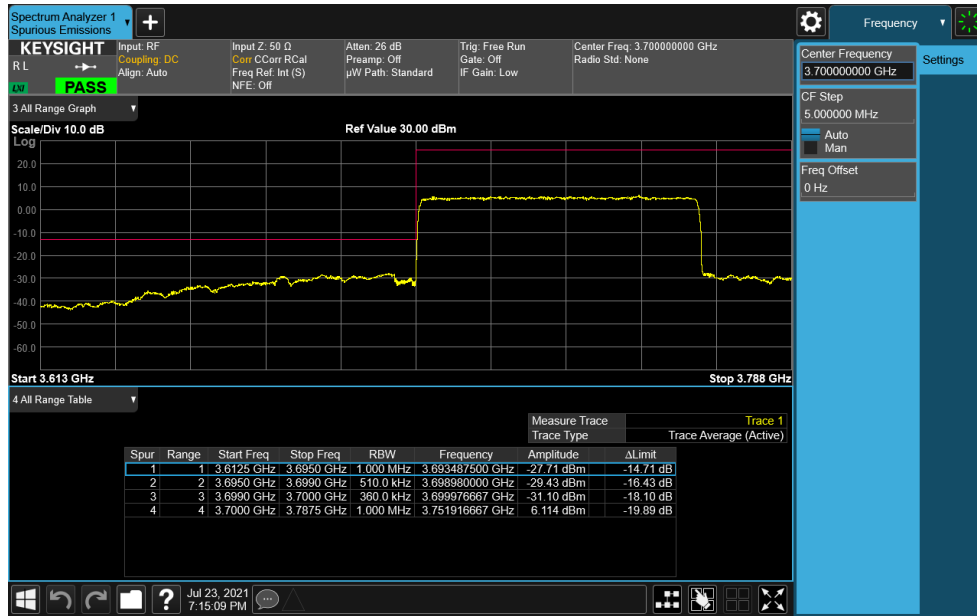
FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 84 of 171




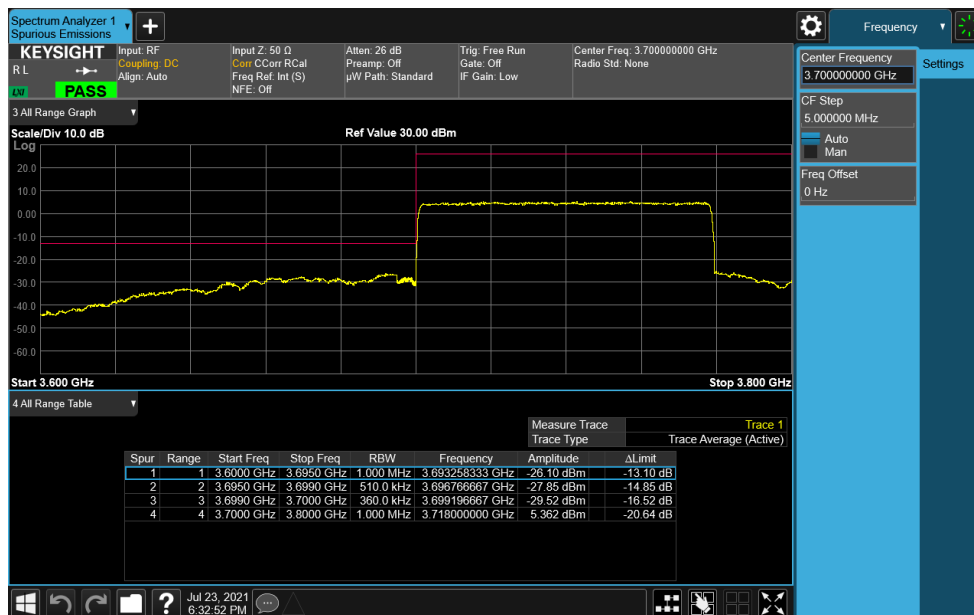
FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 85 of 171



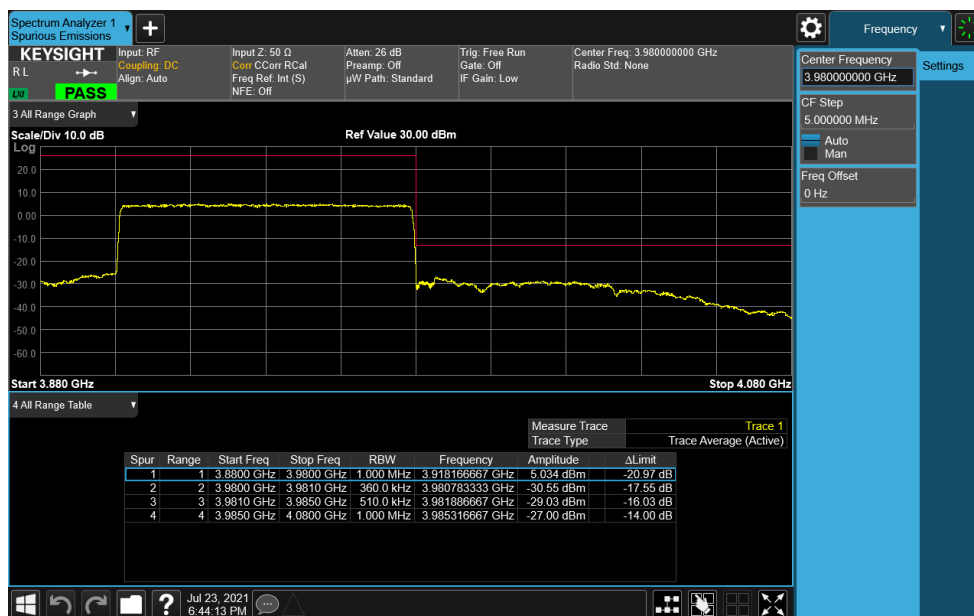
FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 86 of 171




FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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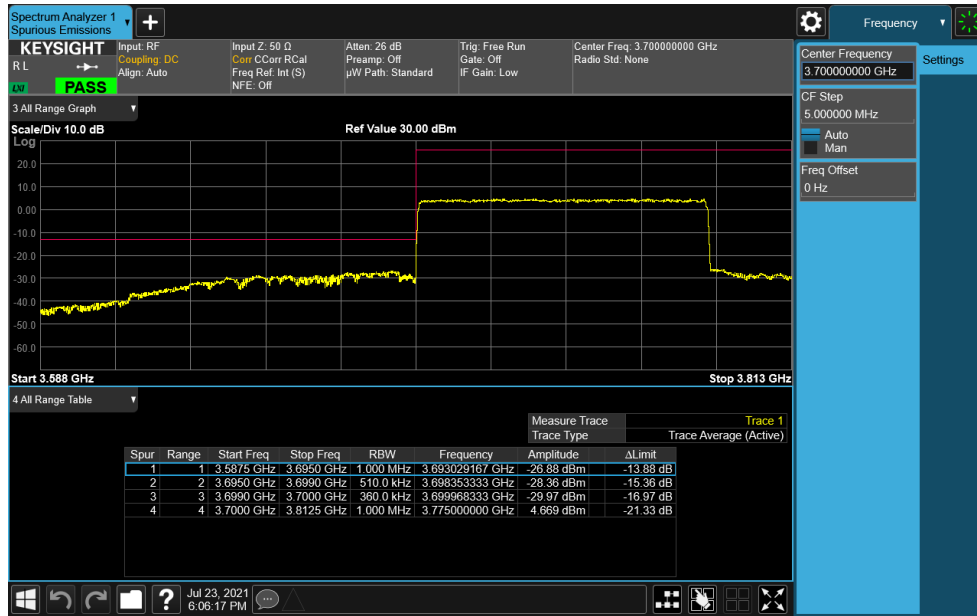
Plot 7-133. Lower ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM QPSK – Full RB)



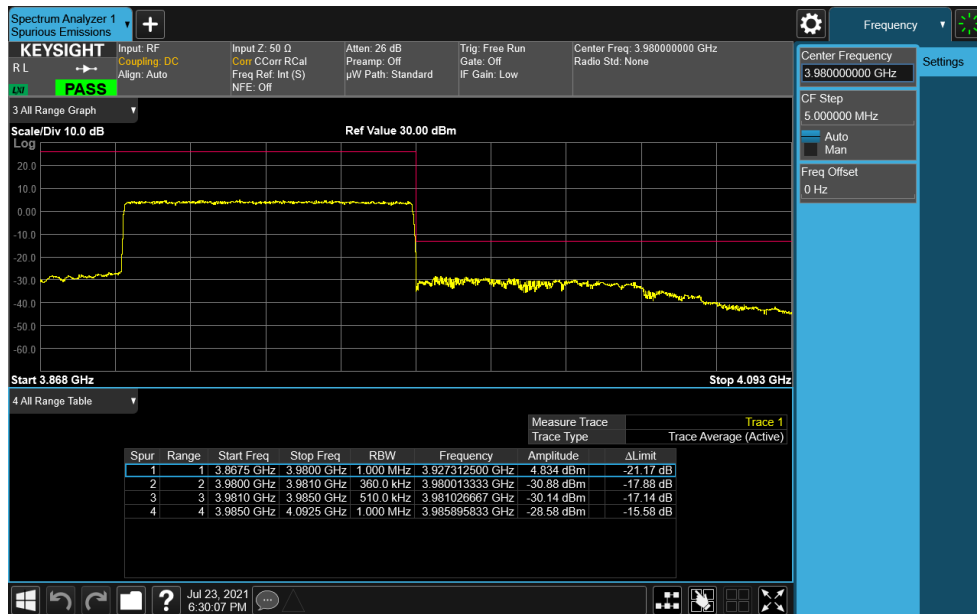
Plot 7-134. Upper ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 88 of 171



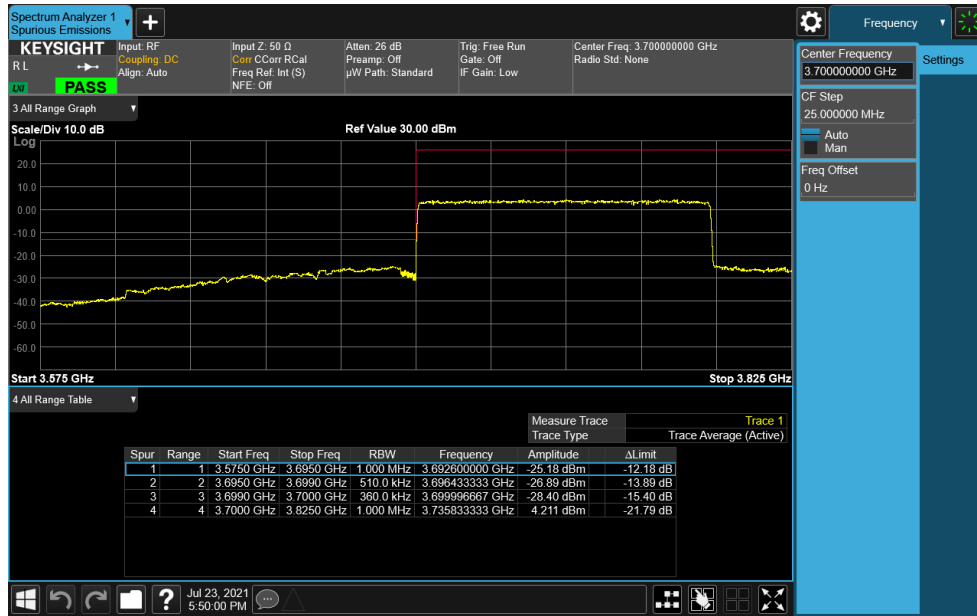


Plot 7-135. Lower ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM QPSK – Full RB)

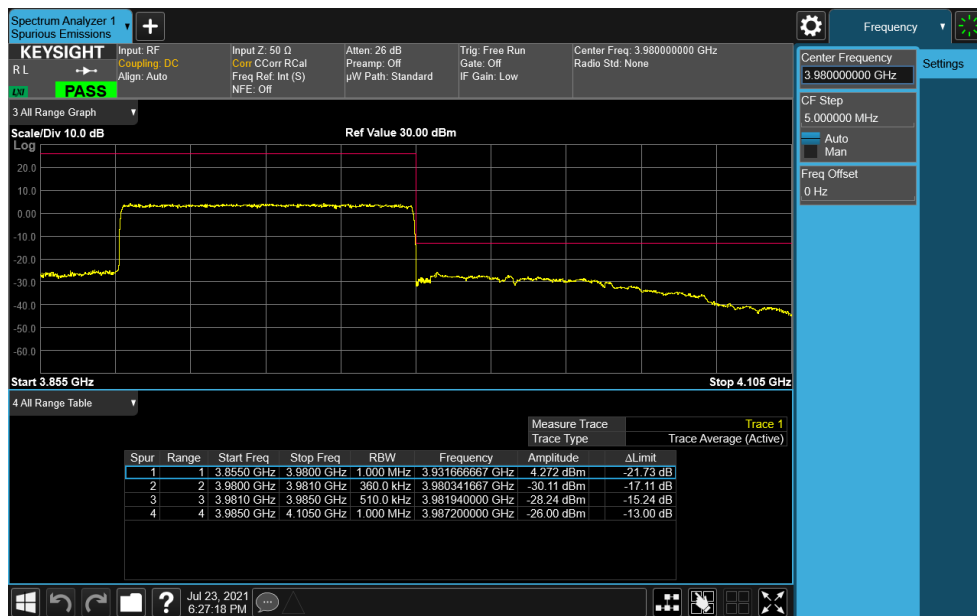


Plot 7-136. Upper ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM QPSK – Full RB)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 89 of 171



Plot 7-137. Lower ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-138. Upper ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 90 of 171

## 7.5 Peak-Average Ratio

§27.50(k)(4), §27.50(j)(4):

### Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. All ports were tested and only the worst case data were reported.

### Test Procedure Used

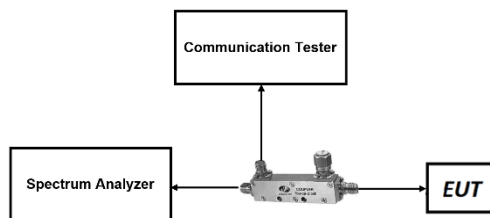
KDB 971168 D01 v03r01 – Section 5.7.1

### Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW  $\geq$  OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

### Test Setup


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



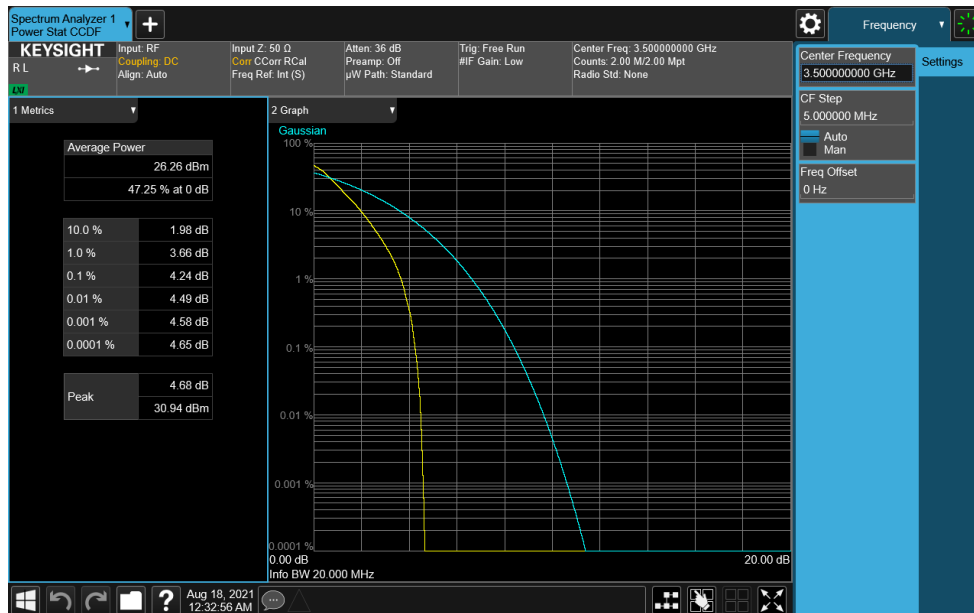
**Figure 7-4. Test Instrument & Measurement Setup**

### Test Notes

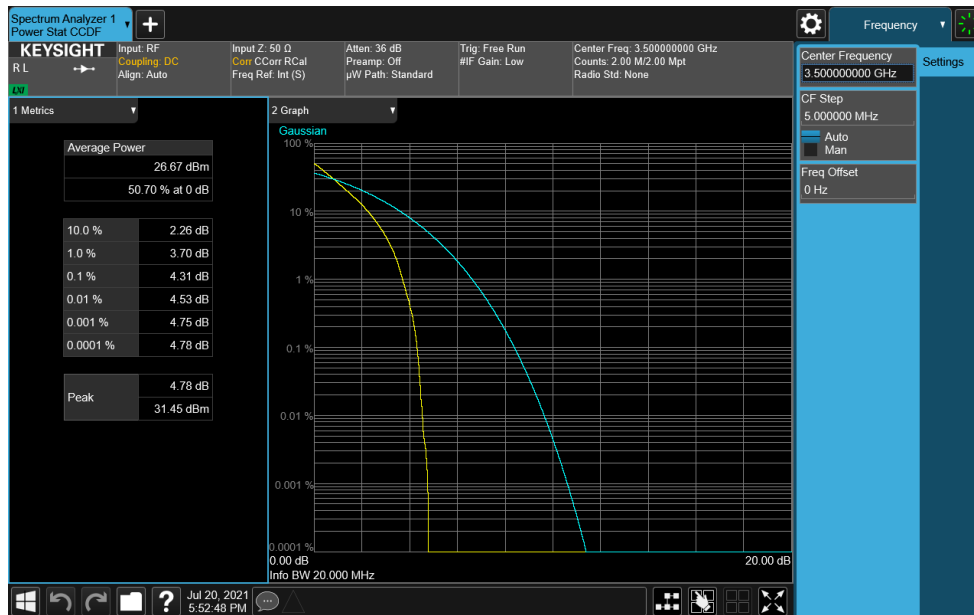
None.

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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## NR Band n77 DoD-Band

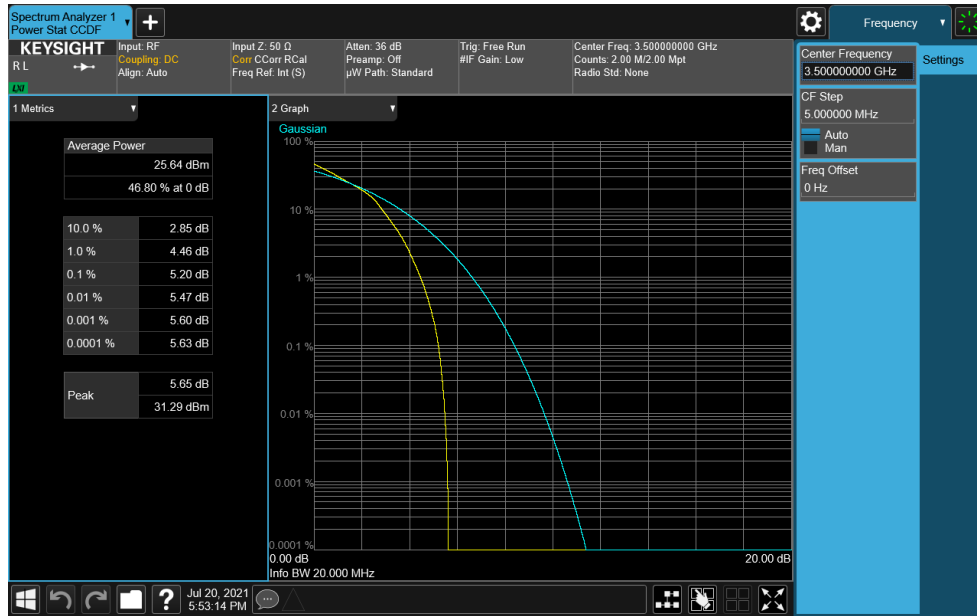


Plot 7-139. PAR Plot (NR Band n77 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

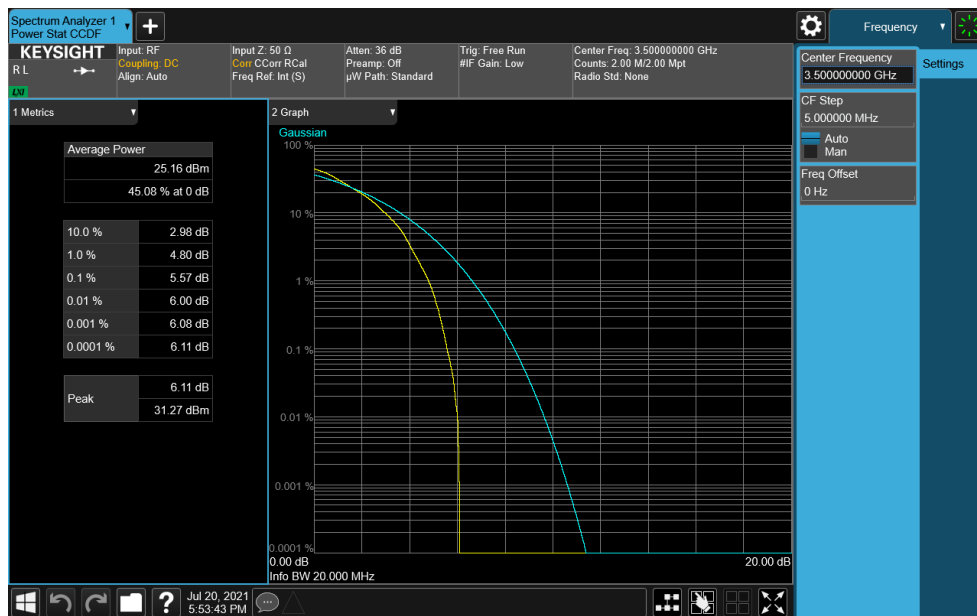


Plot 7-140. PAR Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 92 of 171

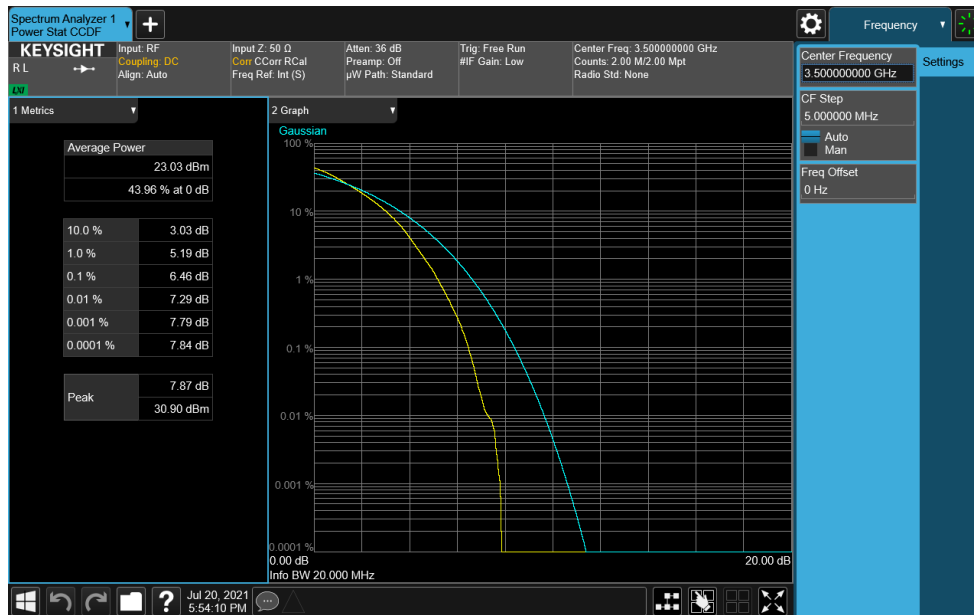


Plot 7-141. PAR Plot (NR Band n77 - 20MHz CP-OFDM 16-QAM - Full RB)

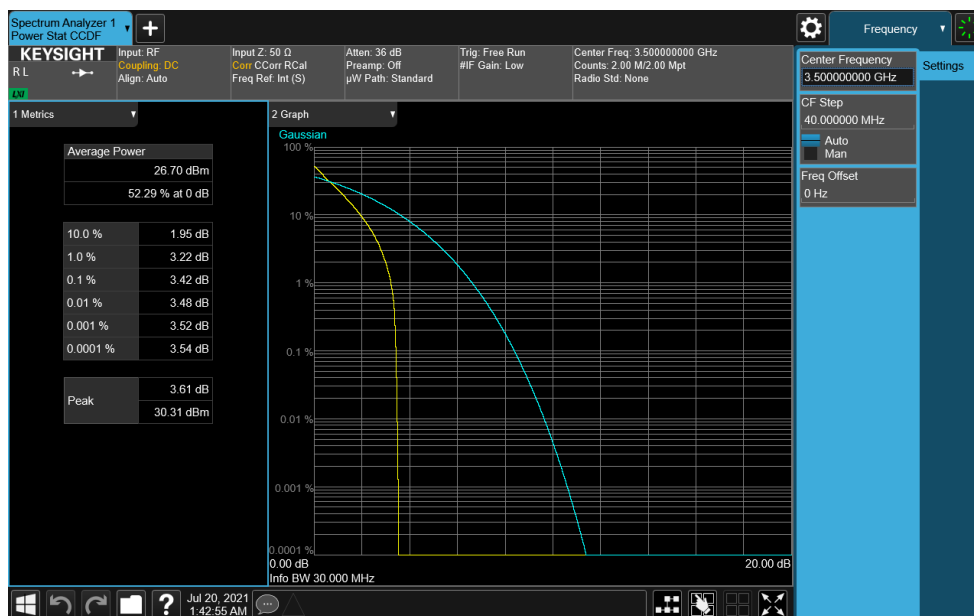


Plot 7-142. PAR Plot (NR Band n77 - 20MHz CP-OFDM 64-QAM - Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 93 of 171

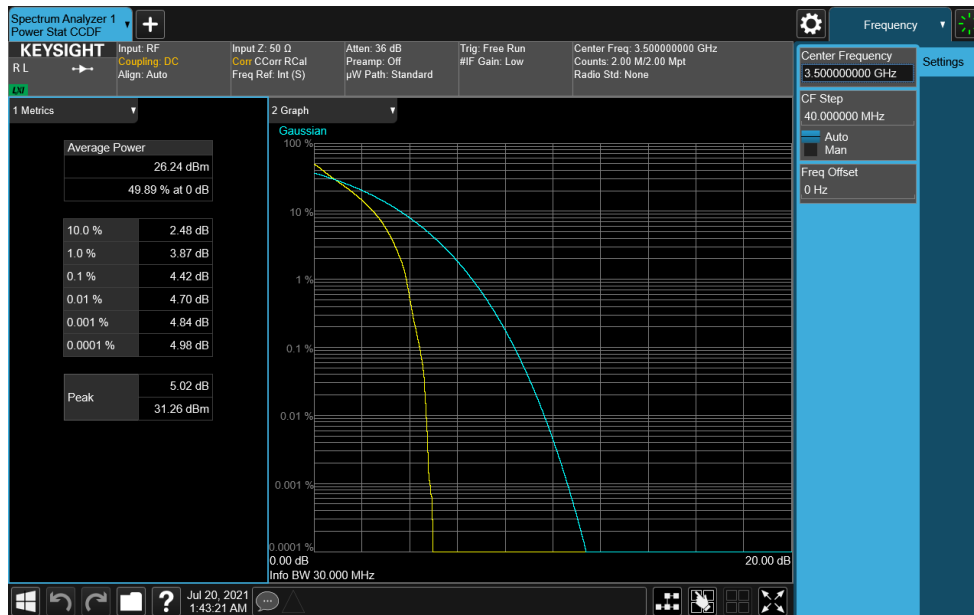


Plot 7-143. PAR Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB)

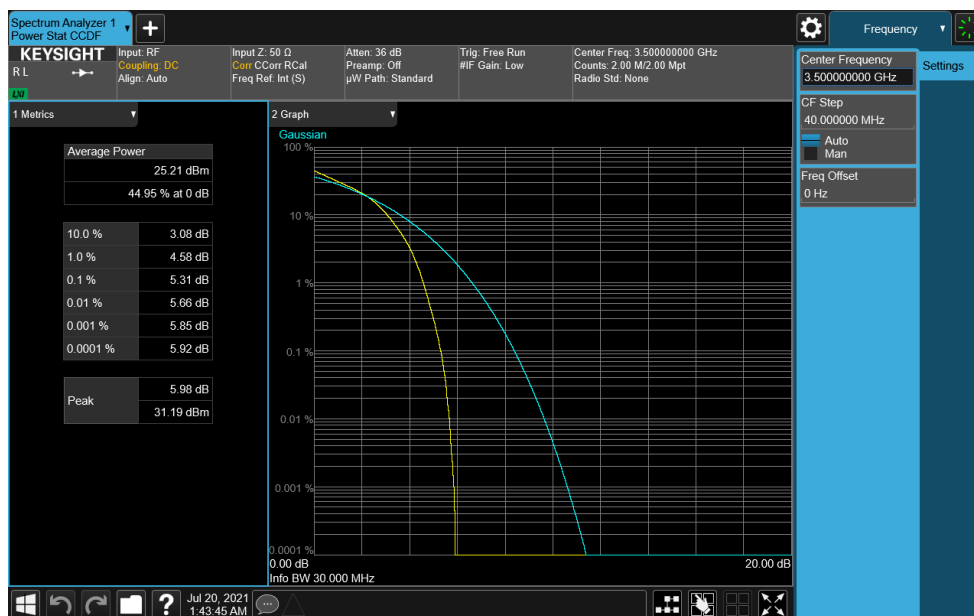


Plot 7-144. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 94 of 171

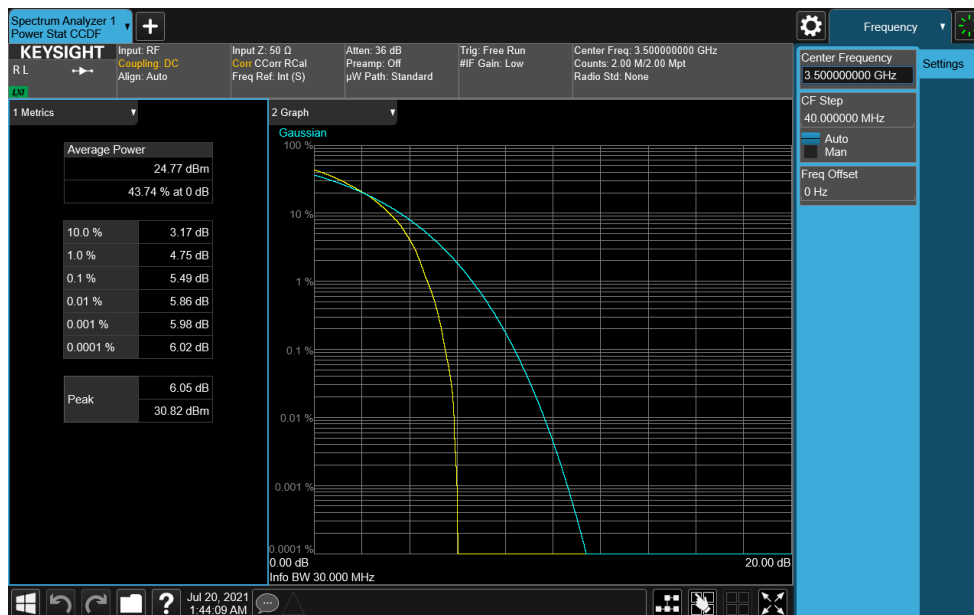


Plot 7-145. PAR Plot (NR Band n77 - 30MHz CP-OFDM QPSK - Full RB)

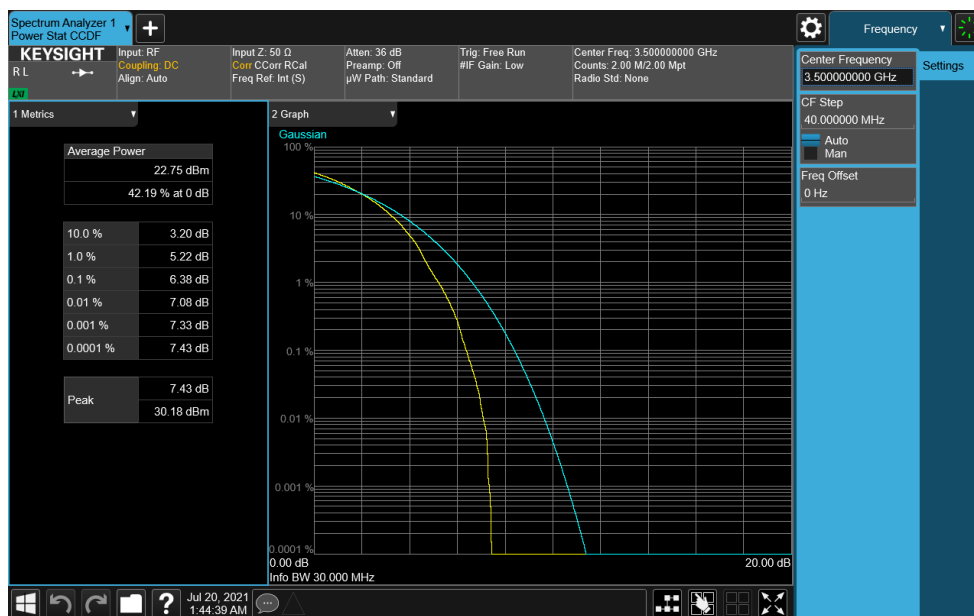


Plot 7-146. PAR Plot (NR Band n77 - 30MHz CP-OFDM 16-QAM - Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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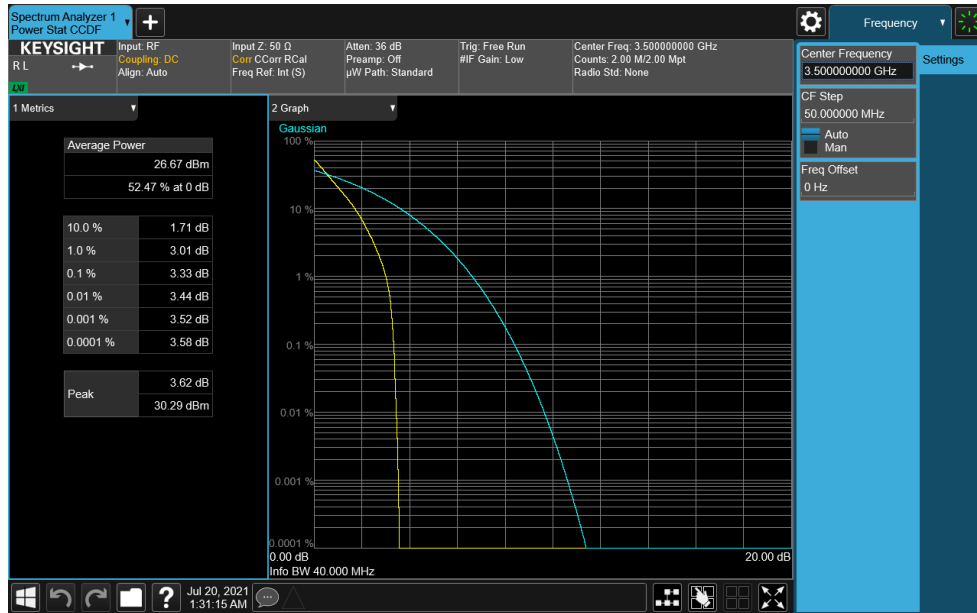
Plot 7-147. PAR Plot (NR Band n77 - 30MHz CP-OFDM 64-QAM - Full RB)



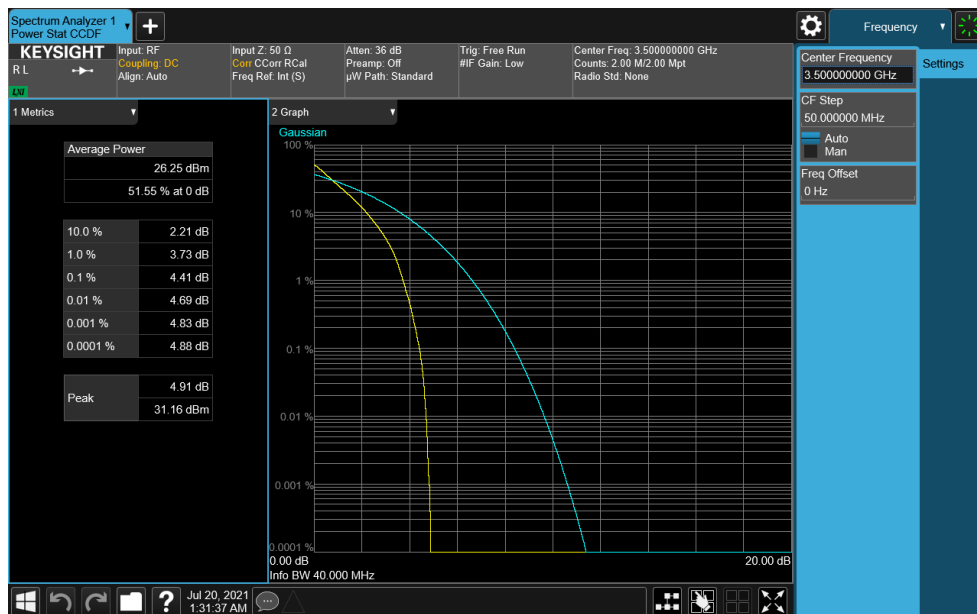
Plot 7-148. PAR Plot (NR Band n77 - 30MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 96 of 171



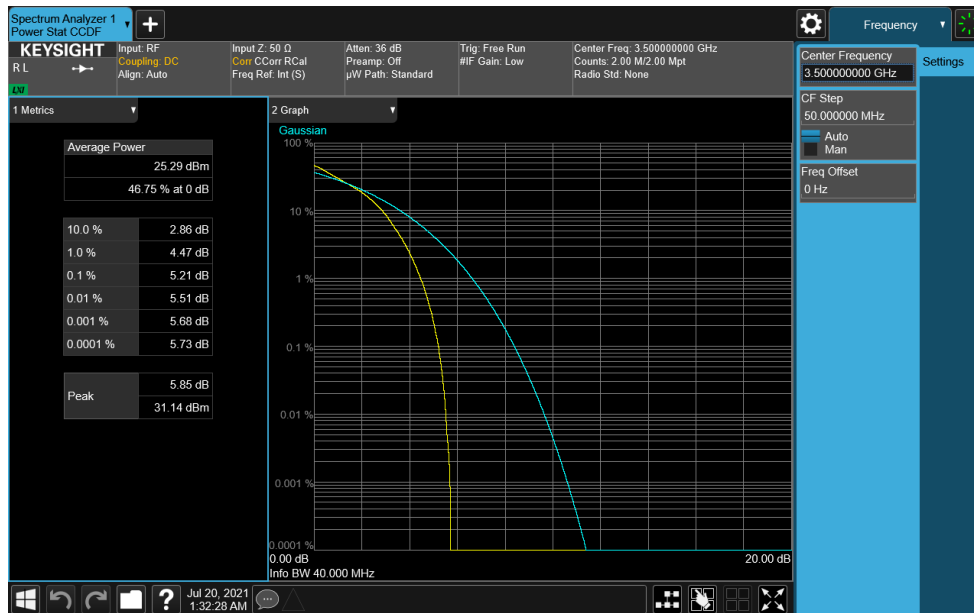


**Plot 7-149. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

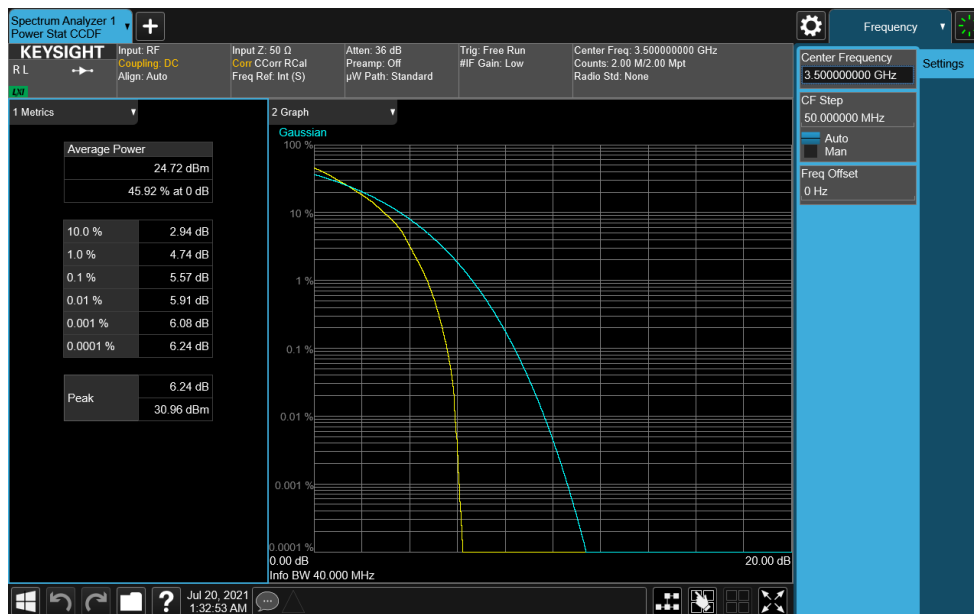


**Plot 7-150. PAR Plot (NR Band n77 - 40MHz CP-OFDM QPSK - Full RB)**

FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 97 of 171

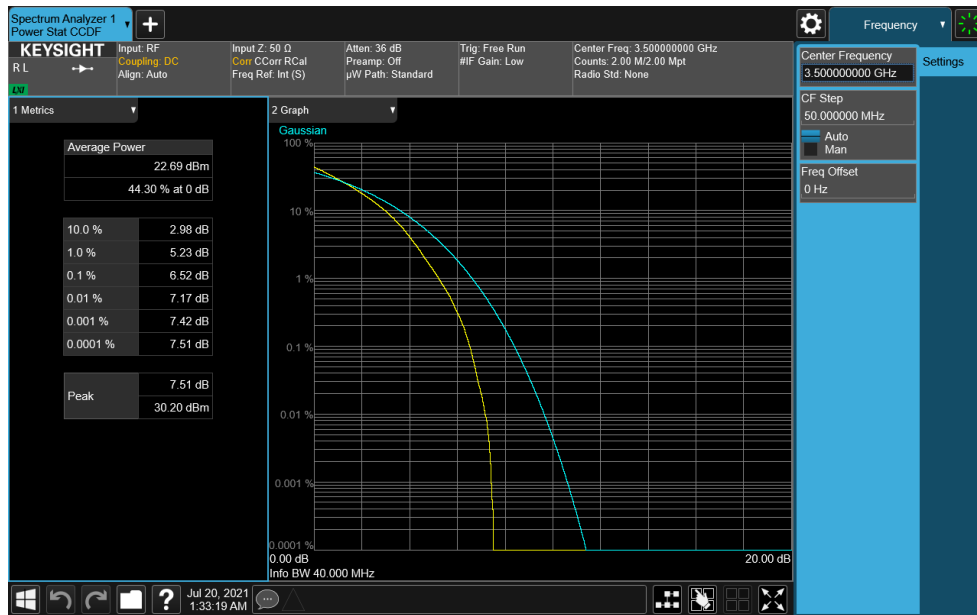


Plot 7-151. PAR Plot (NR Band n77 - 40MHz CP-OFDM 16-QAM - Full RB)

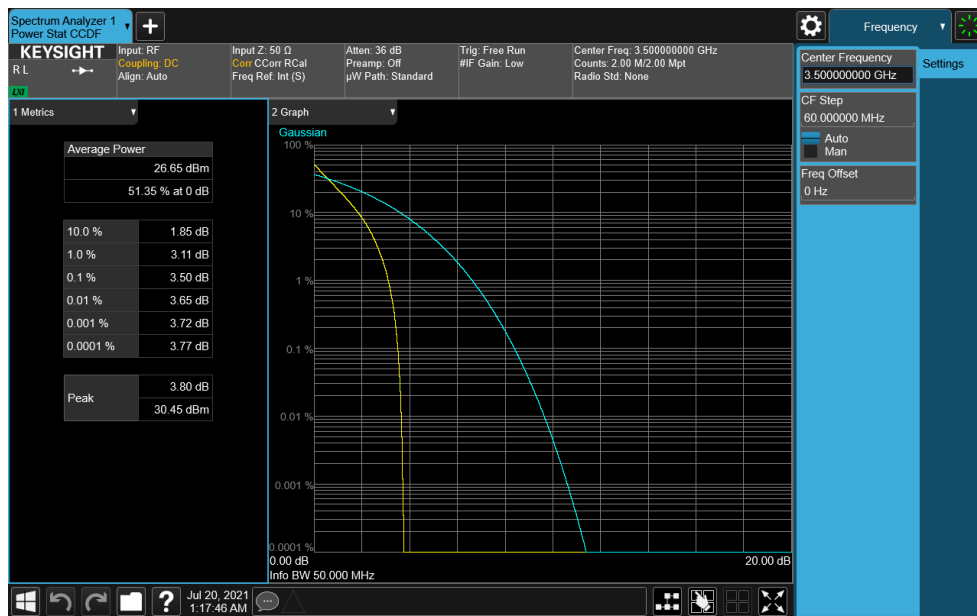


Plot 7-152. PAR Plot (NR Band n77 - 40MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 98 of 171

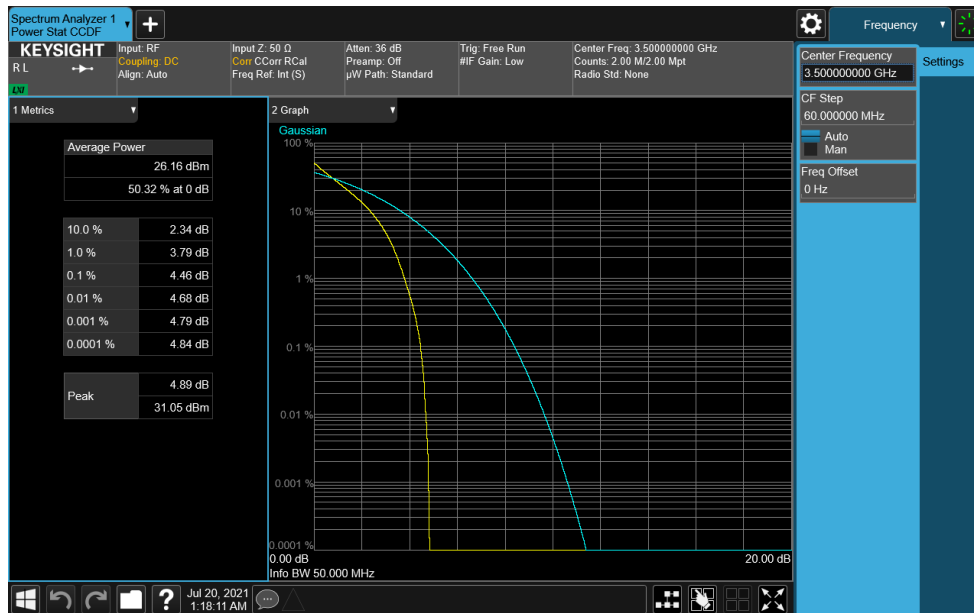


Plot 7-153. PAR Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB)

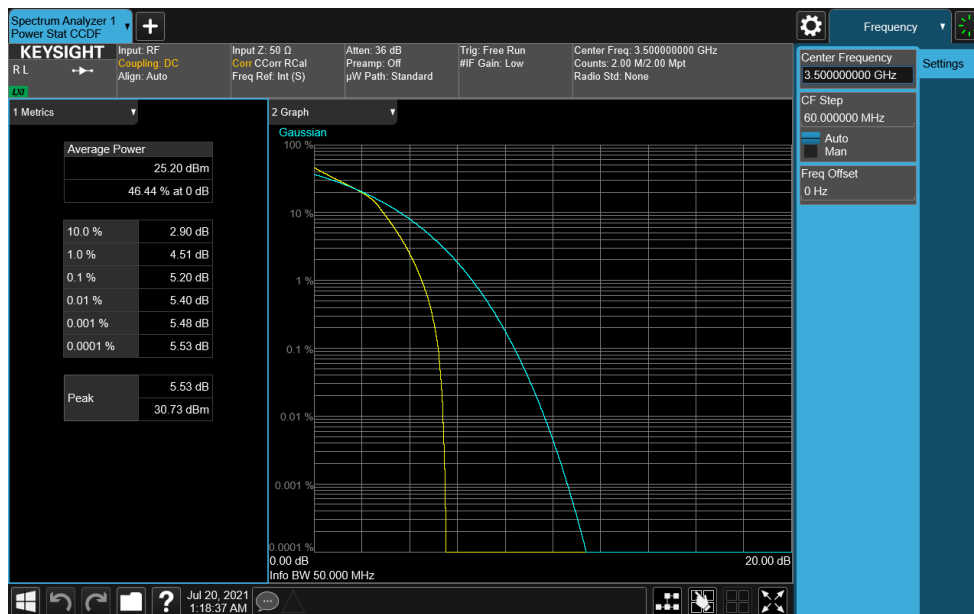


Plot 7-154. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)


FCC ID: BCGA2568	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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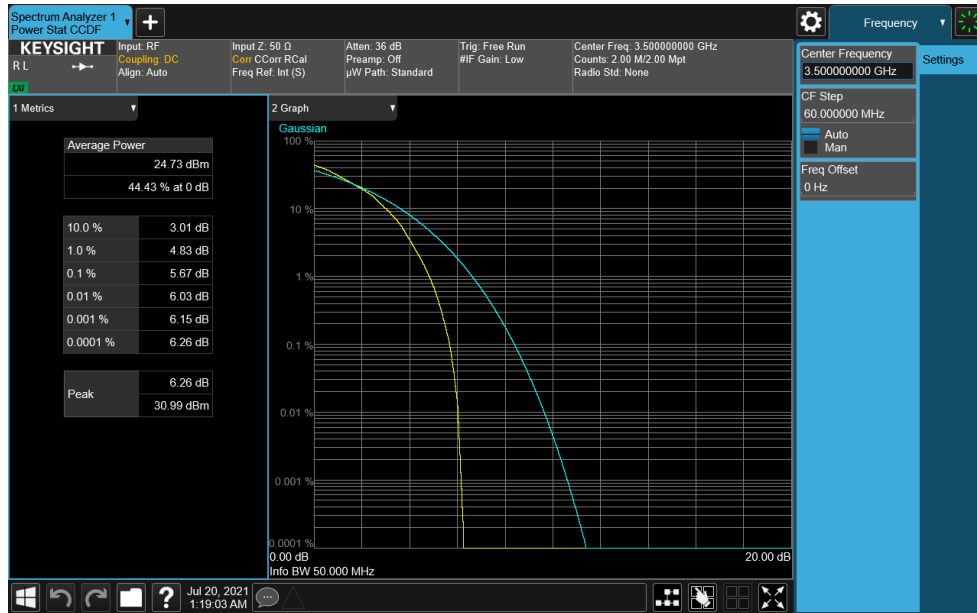


Plot 7-155. PAR Plot (NR Band n77 - 50MHz CP-OFDM QPSK - Full RB)

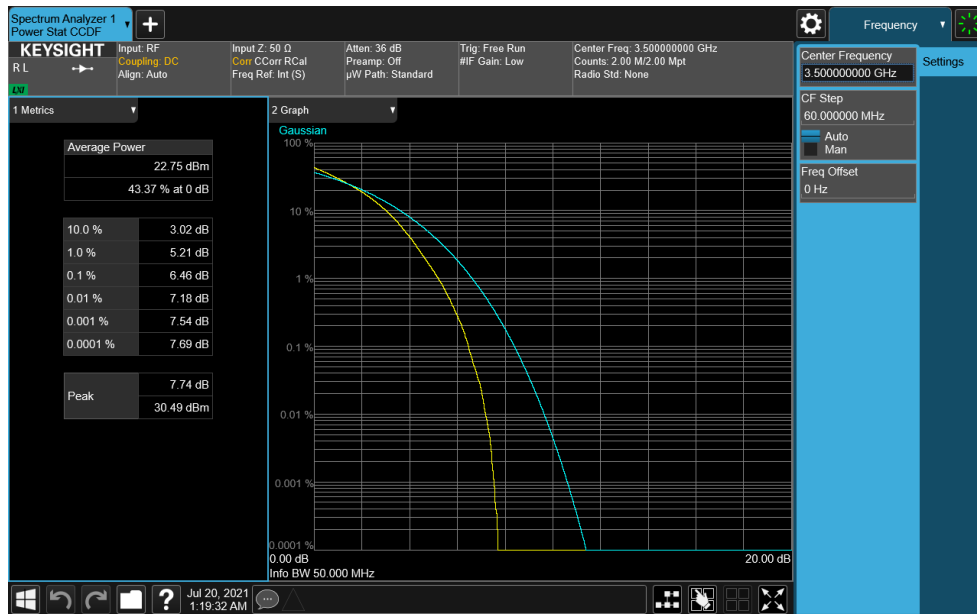


Plot 7-156. PAR Plot (NR Band n77 - 50MHz CP-OFDM 16-QAM - Full RB)


FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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Plot 7-157. PAR Plot (NR Band n77 - 50MHz CP-OFDM 64-QAM - Full RB)



Plot 7-158. PAR Plot (NR Band n77 - 50MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080049-05-R1.BCG	Test Dates: 6/2/2021 - 8/15/2021	EUT Type: Tablet Device	Page 101 of 171