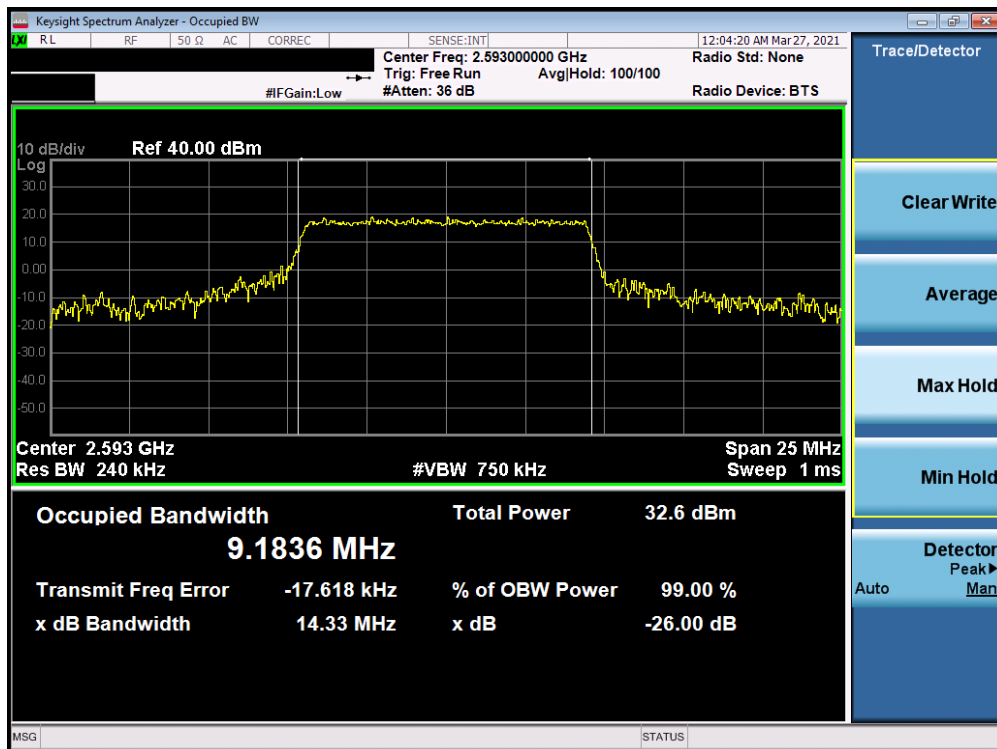


Plot 7-21. Occupied Bandwidth Plot (LTE Band 41 - 5MHz 64-QAM - Full RB Configuration)

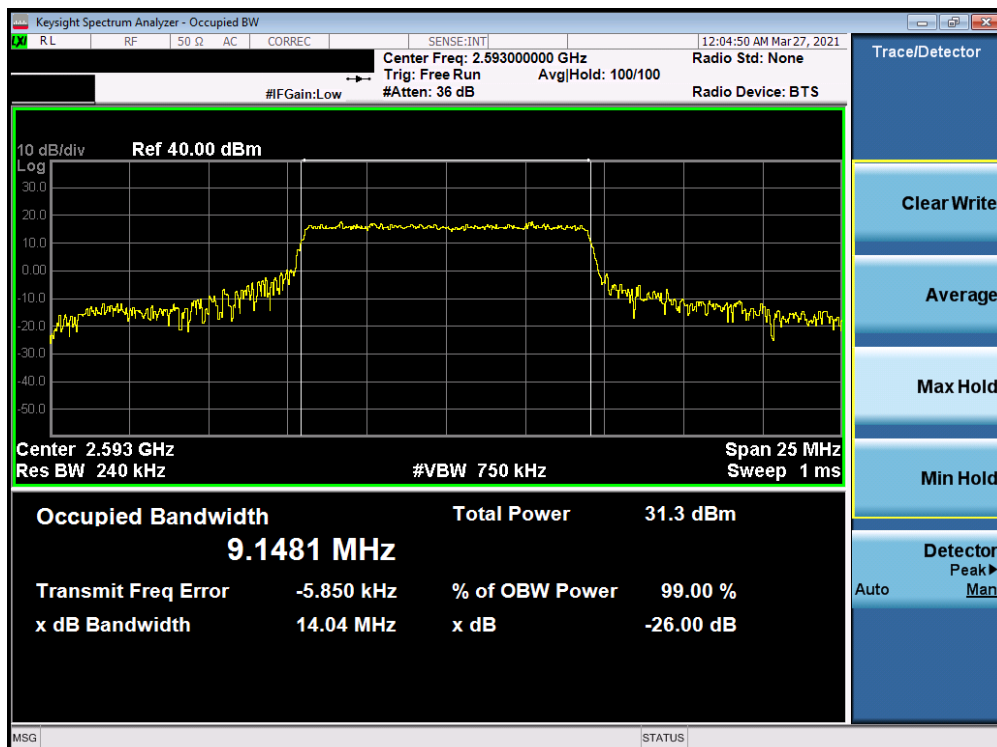


Plot 7-22. Occupied Bandwidth Plot (LTE Band 41 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 24 of 102

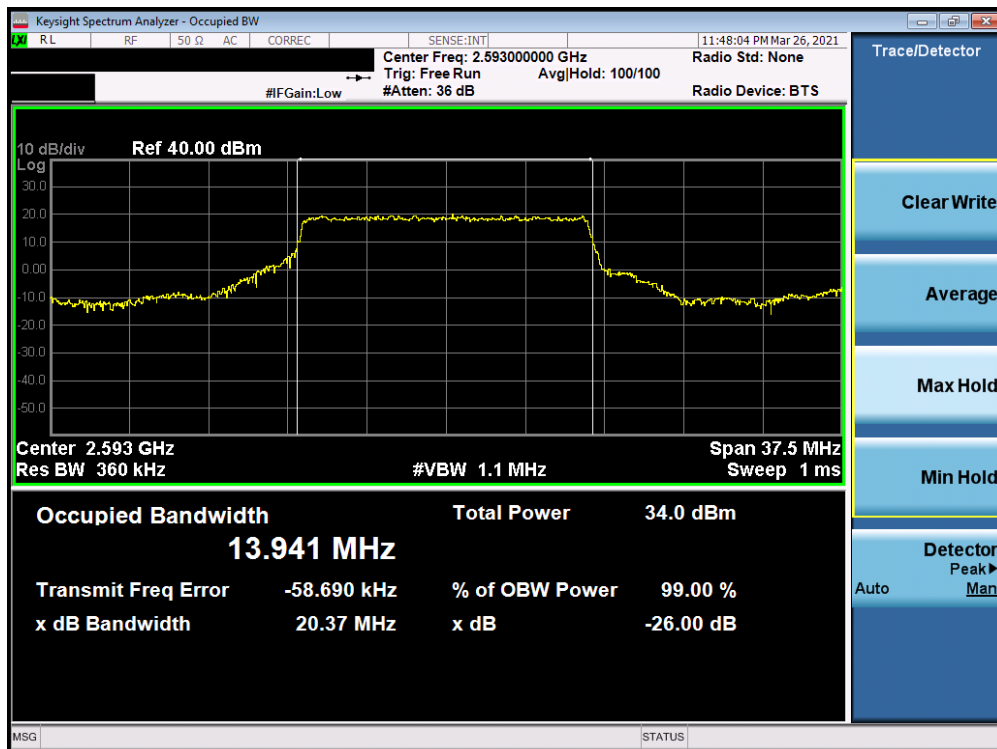


Plot 7-23. Occupied Bandwidth Plot (LTE Band 41 - 10MHz 16-QAM - Full RB Configuration)

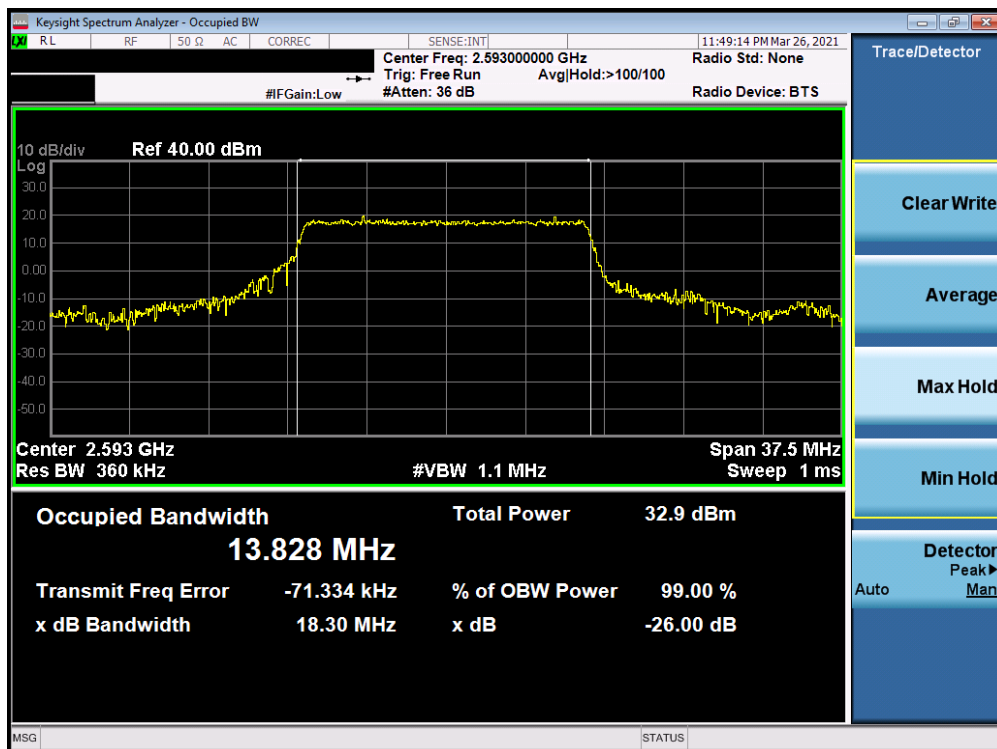


Plot 7-24. Occupied Bandwidth Plot (LTE Band 41 - 10MHz 64-QAM - Full RB Configuration)


FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 25 of 102

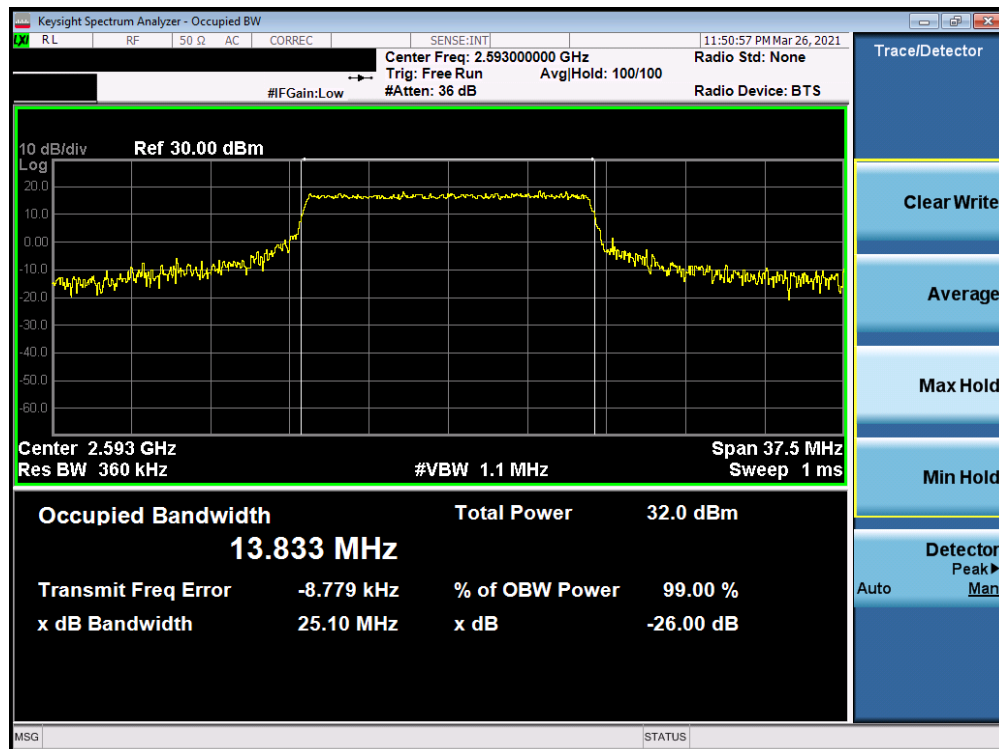


Plot 7-25. Occupied Bandwidth Plot (LTE Band 41 - 15MHz QPSK - Full RB Configuration)

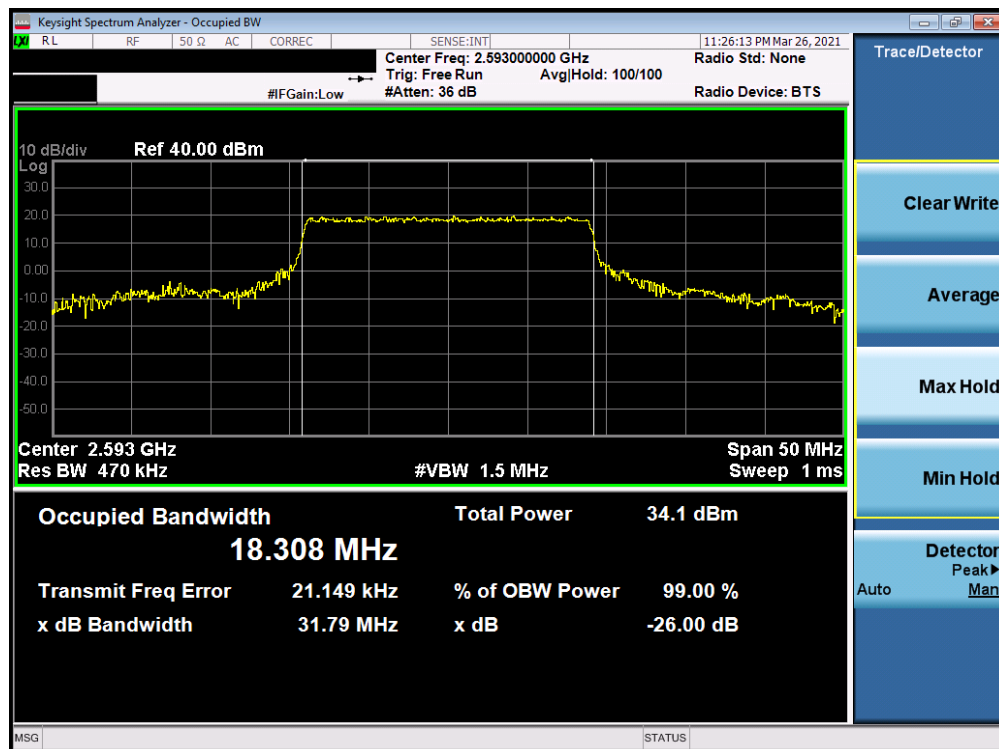


Plot 7-26. Occupied Bandwidth Plot (LTE Band 41 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 26 of 102

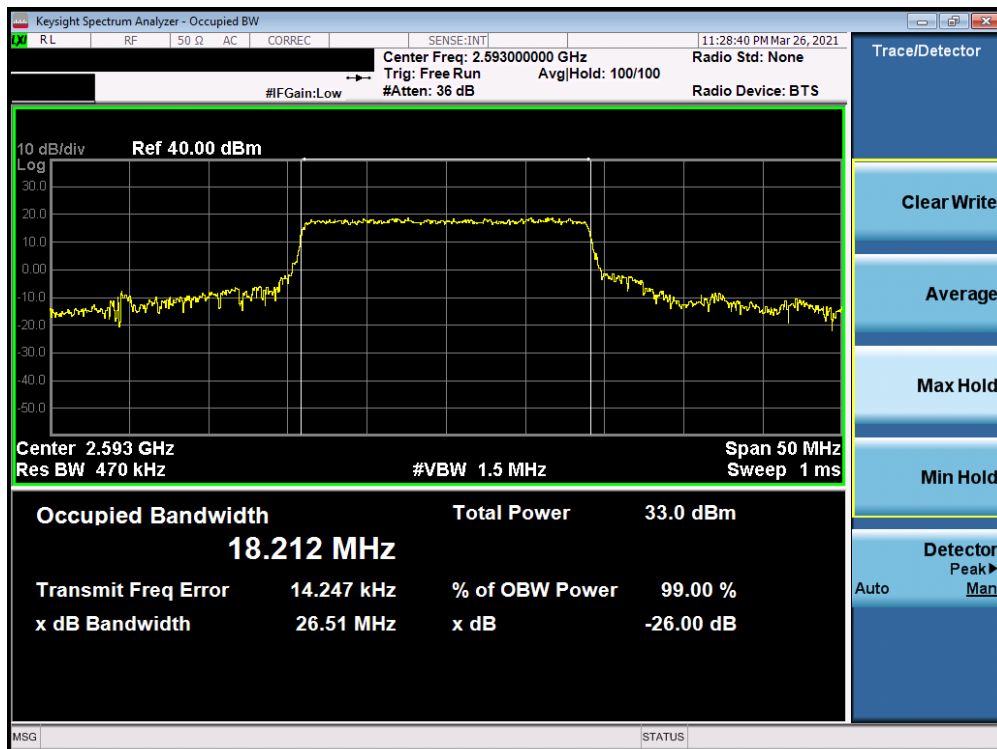


Plot 7-27. Occupied Bandwidth Plot (LTE Band 41 - 15MHz 64-QAM - Full RB Configuration)

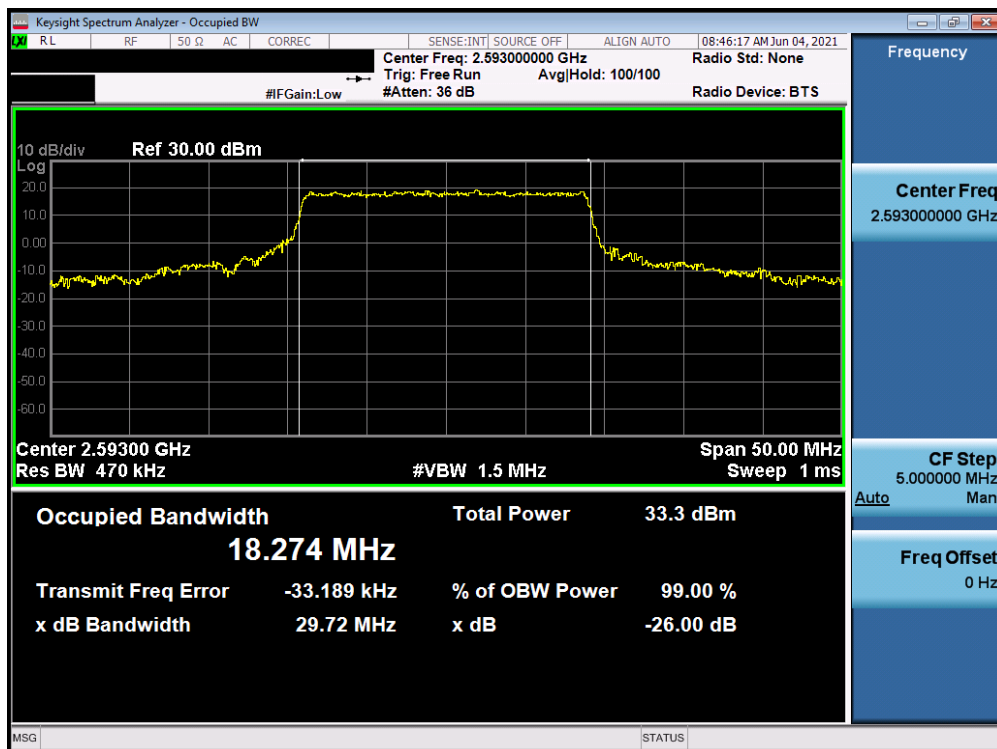


Plot 7-28. Occupied Bandwidth Plot (LTE Band 41 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 27 of 102



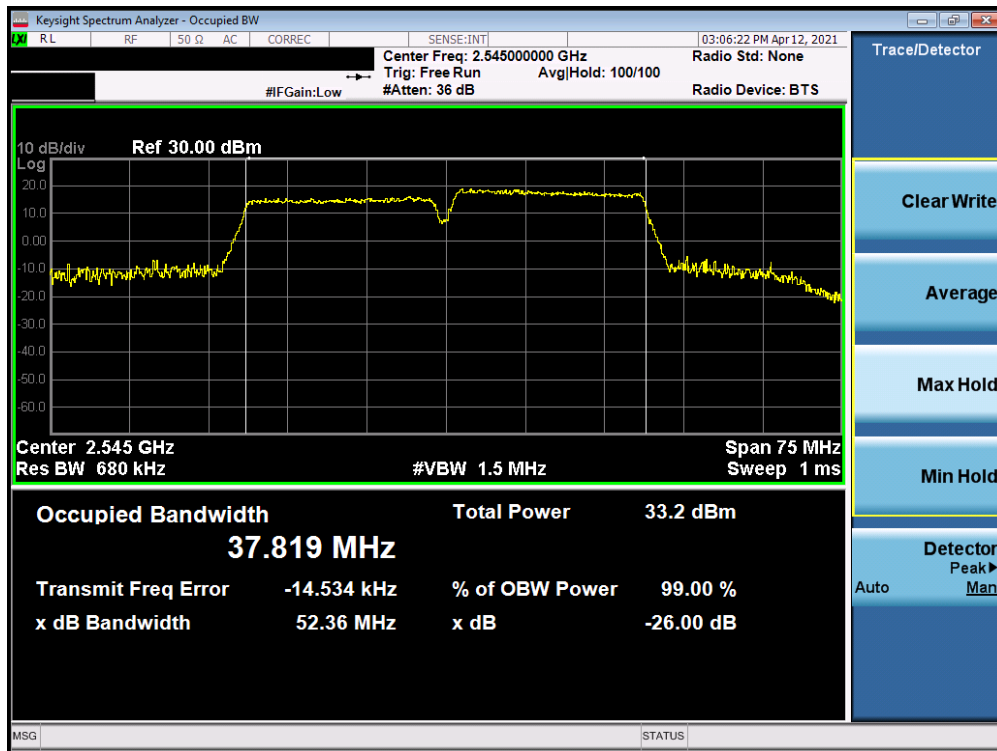
Plot 7-29. Occupied Bandwidth Plot (LTE Band 41 - 20MHz 16-QAM - Full RB Configuration)



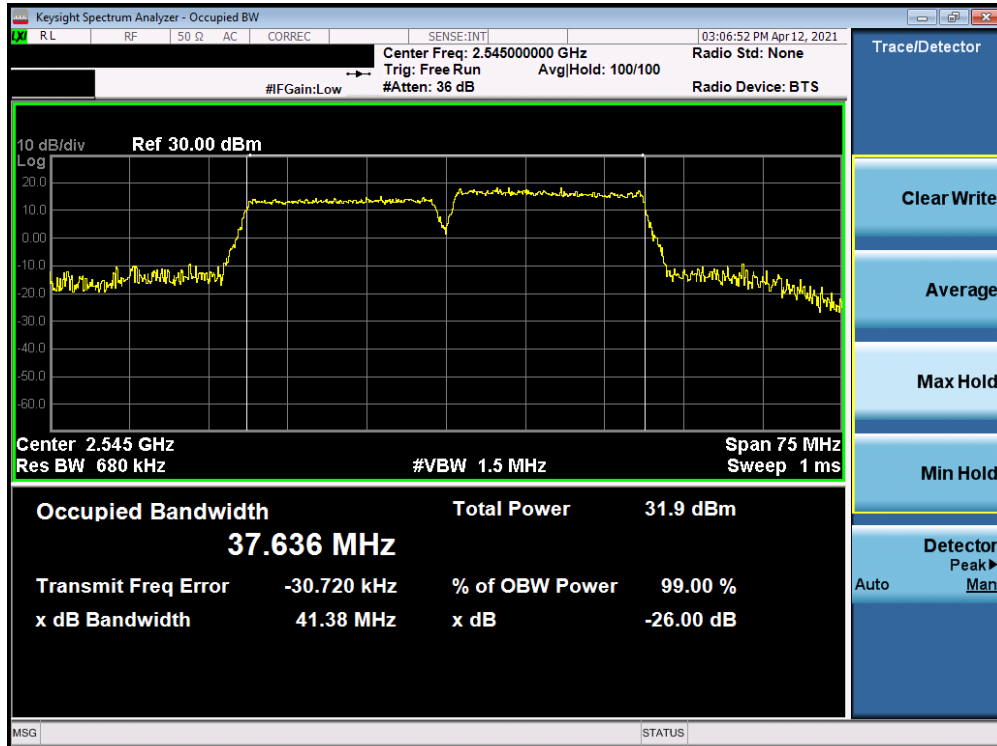
Plot 7-30. Occupied Bandwidth Plot (LTE Band 41 - 20MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 28 of 102

## ULCA - LTE Band 7

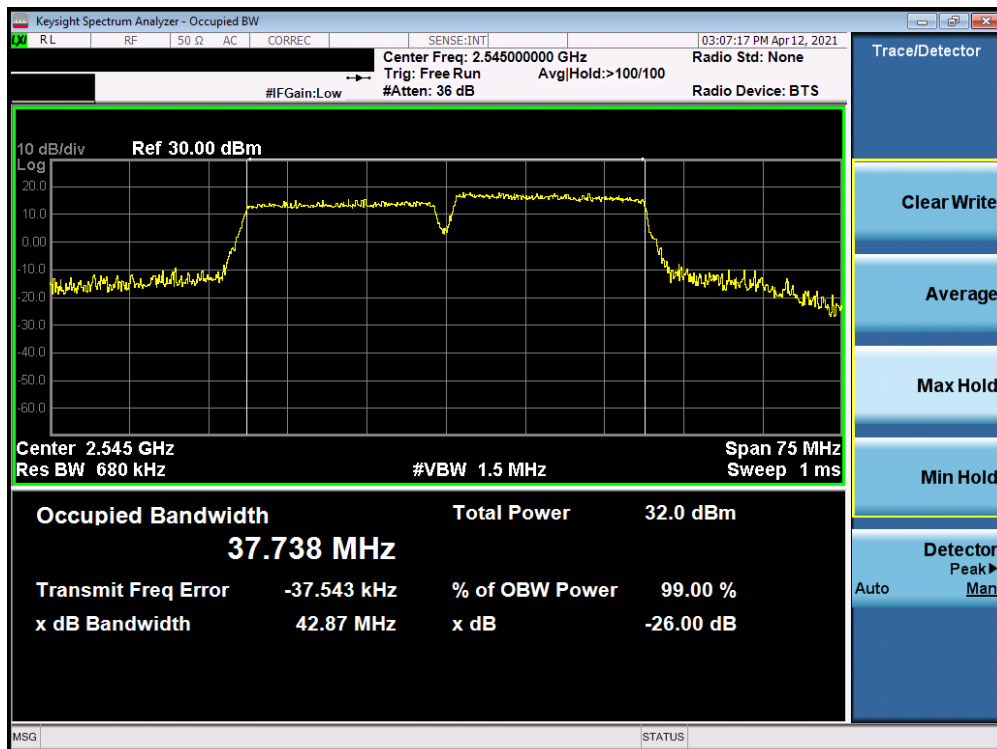


Plot 7-31. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz QPSK - Full RB Configuration)



Plot 7-32. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz 16-QAM - Full RB Configuration)

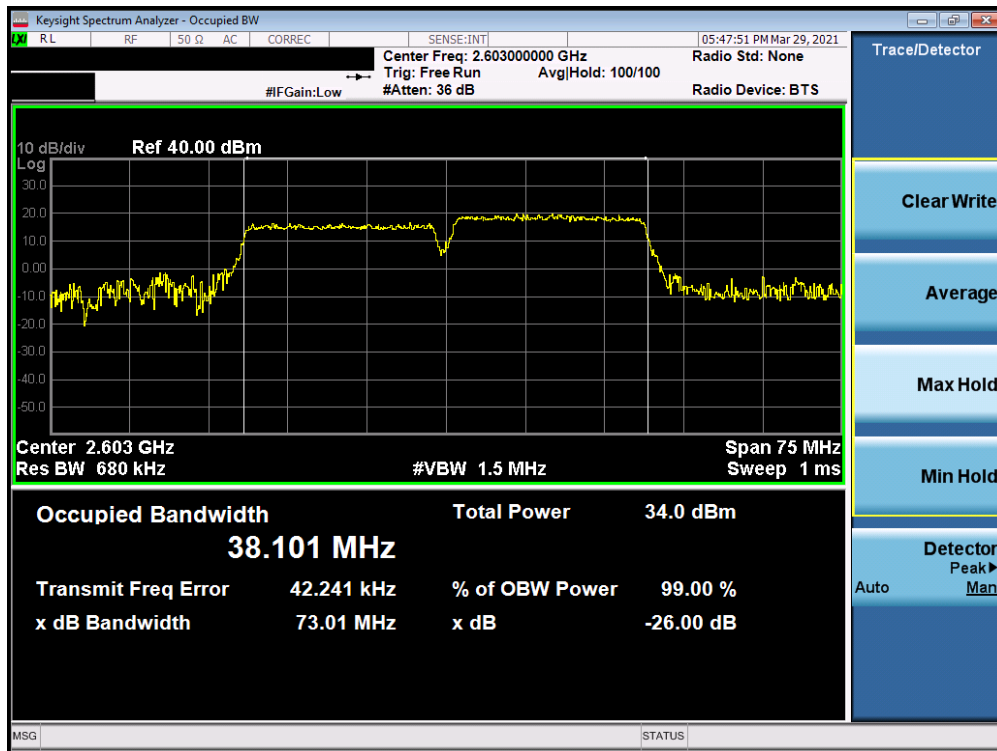
FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 29 of 102



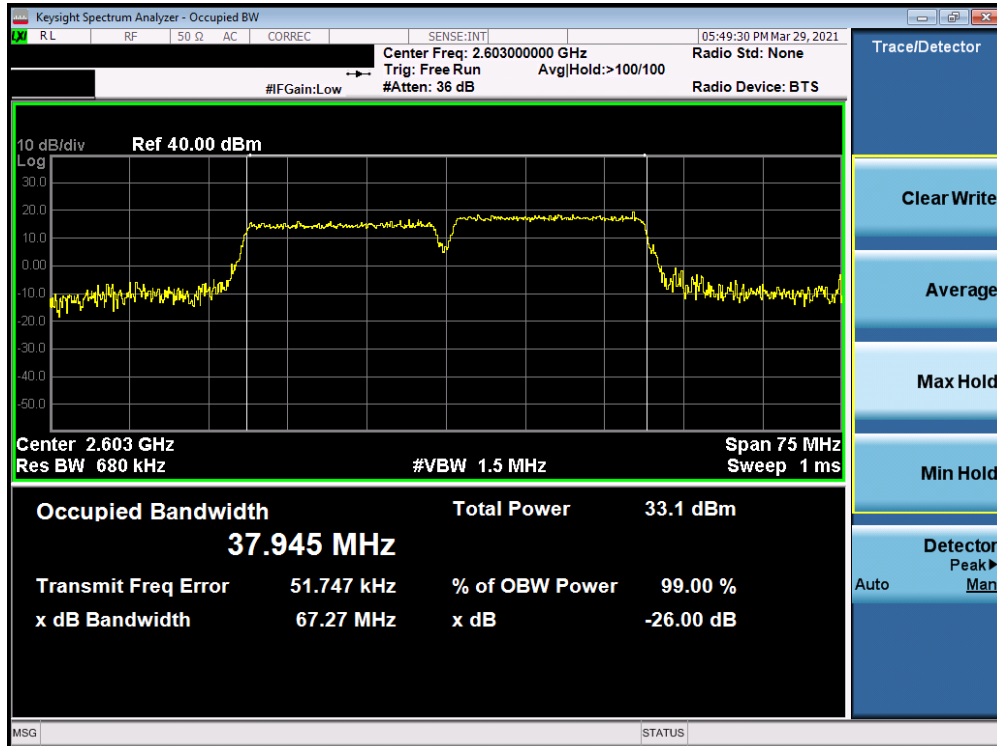
Plot 7-33. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 30 of 102

## ULCA - LTE Band 41



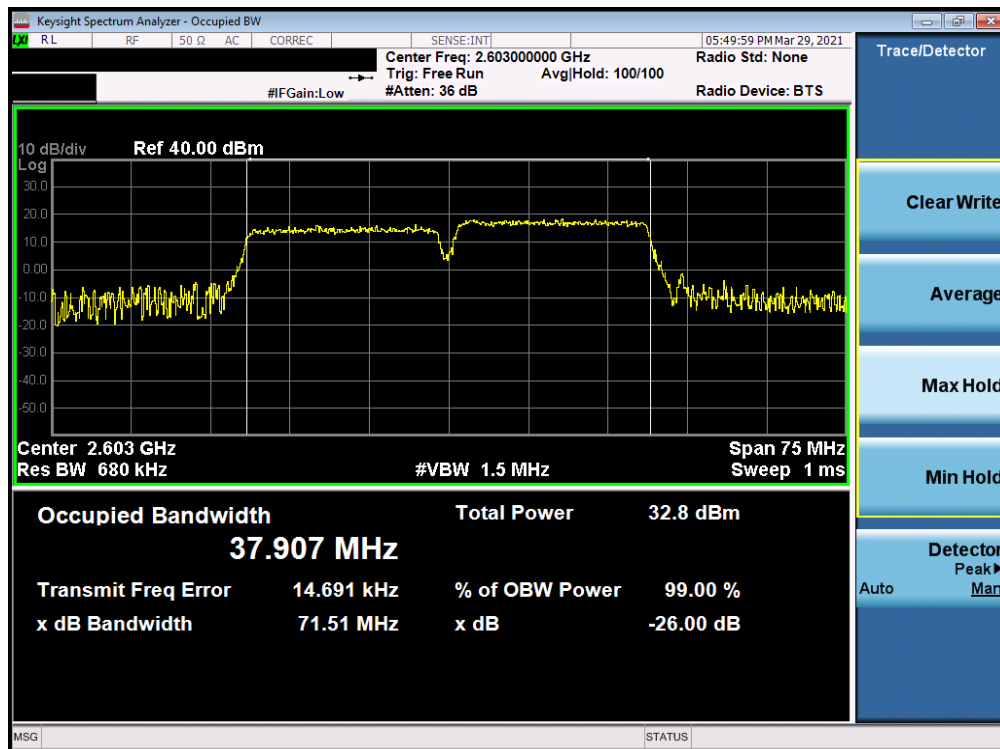
Plot 7-34. Occupied Bandwidth Plot (LTE Band 41 – (20 + 20)MHz QPSK - Full RB Configuration)



Plot 7-35. Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 31 of 102





Plot 7-36. Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 32 of 102

## 7.3 Spurious and Harmonic Emissions at Antenna Terminal

### §2.1051, §27.53(a), §27.53(m)

#### 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. All ports were tested and only the worst case data were reported.

***For Band 30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is  $70 + 10 \log_{10}(P_{[Watts]})$ .***

***For LTE Bands 7 and 41, the minimum permissible attenuation level of any spurious emission is  $55 + 10 \log_{10}(P_{[Watts]})$ .***

#### Test Procedure Used

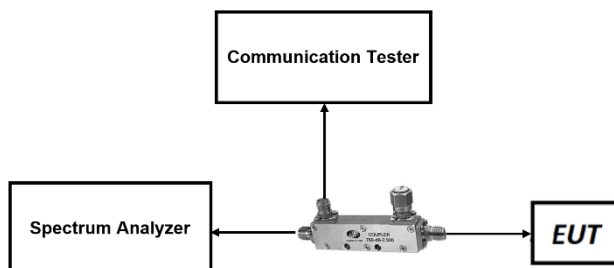
KDB 971168 D01 v03r01 – Section 6.0

#### 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**

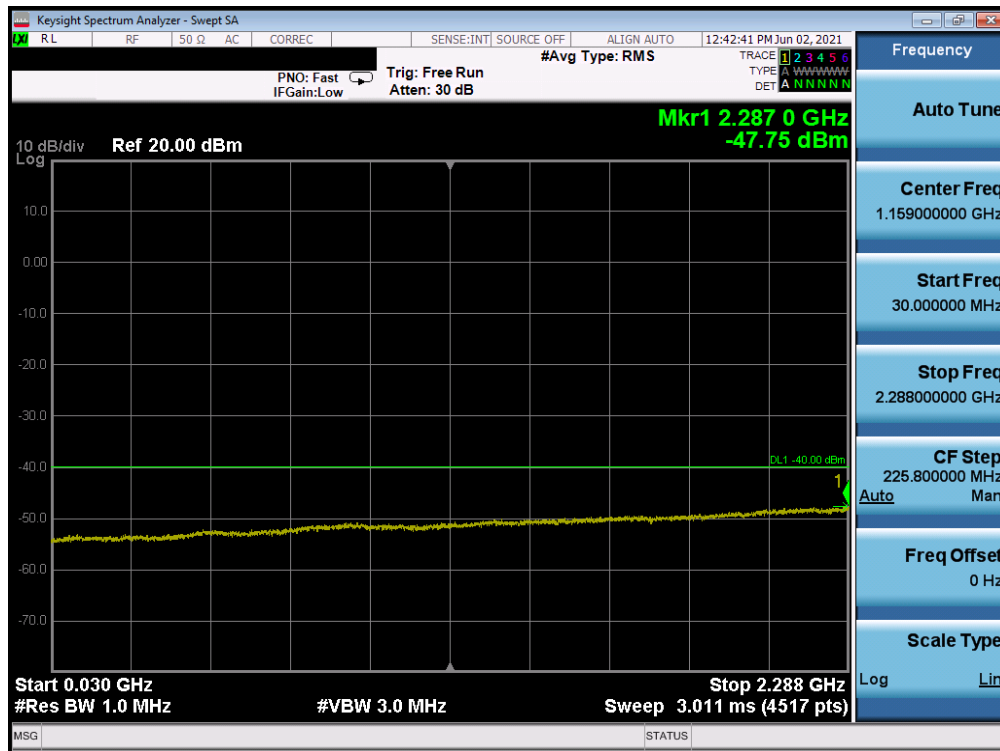
FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 33 of 102

## Test Notes

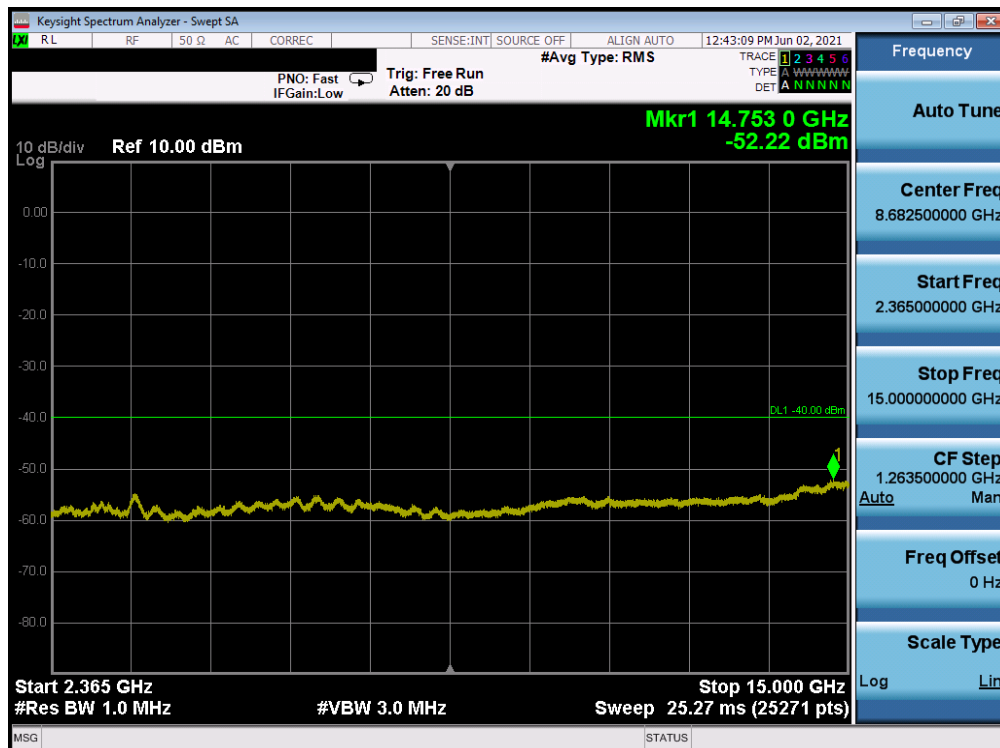
1. Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent 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. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
3. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
4. Uplink carrier aggregation intra-band conducted spurious emissions were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device. The worst case (highest) powers were found while operating with QPSK modulation, as shown in the tables below, with both carriers set to transmit using 1RB.

FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 34 of 102

## LTE Band 30

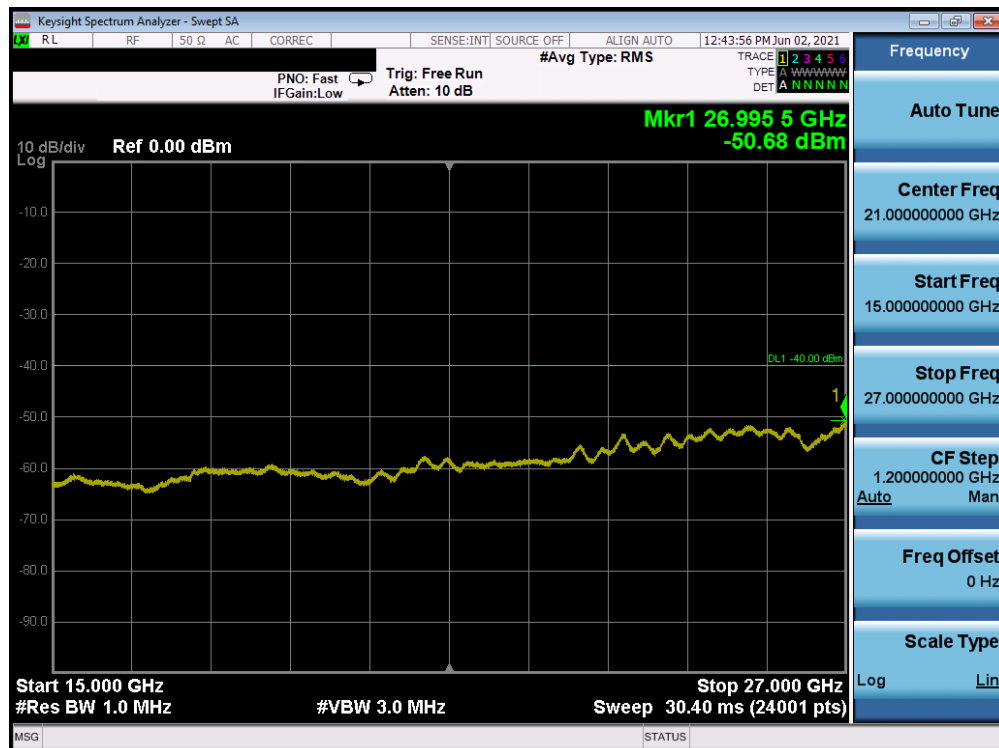


Plot 7-37. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

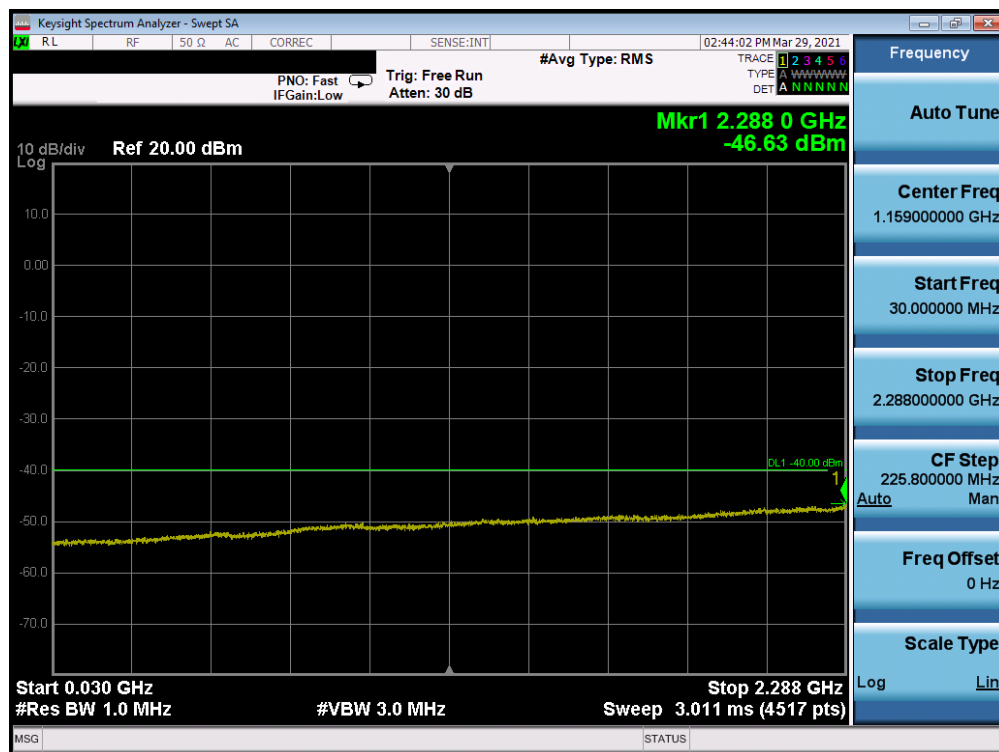


Plot 7-38. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)


FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 35 of 102

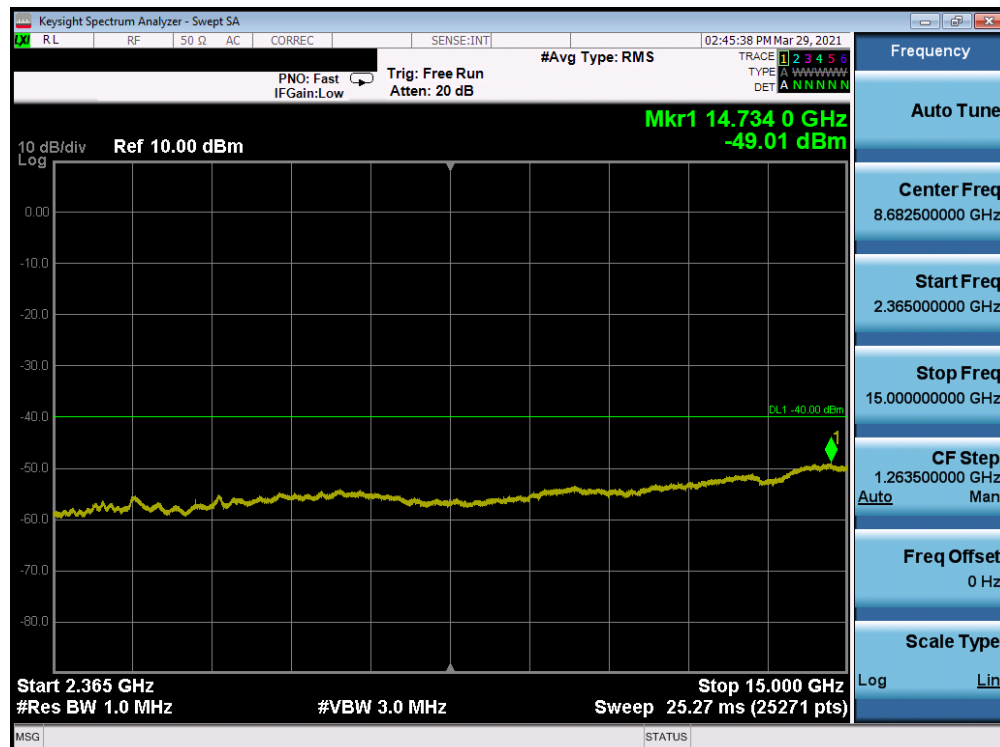


Plot 7-39. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-40. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 36 of 102

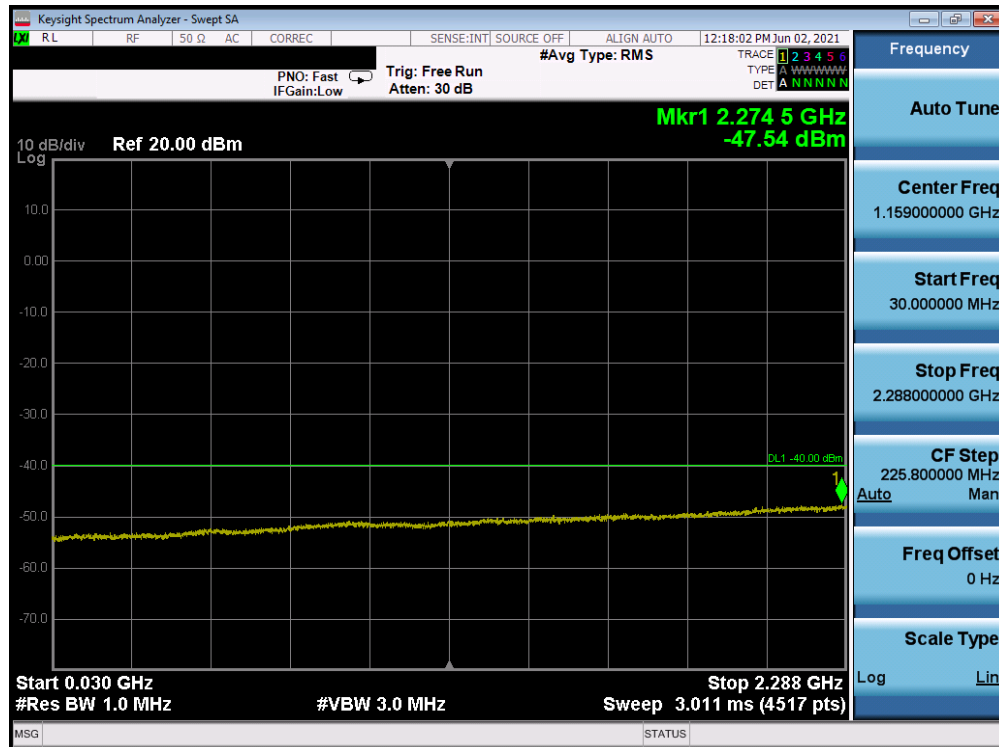


Plot 7-41. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

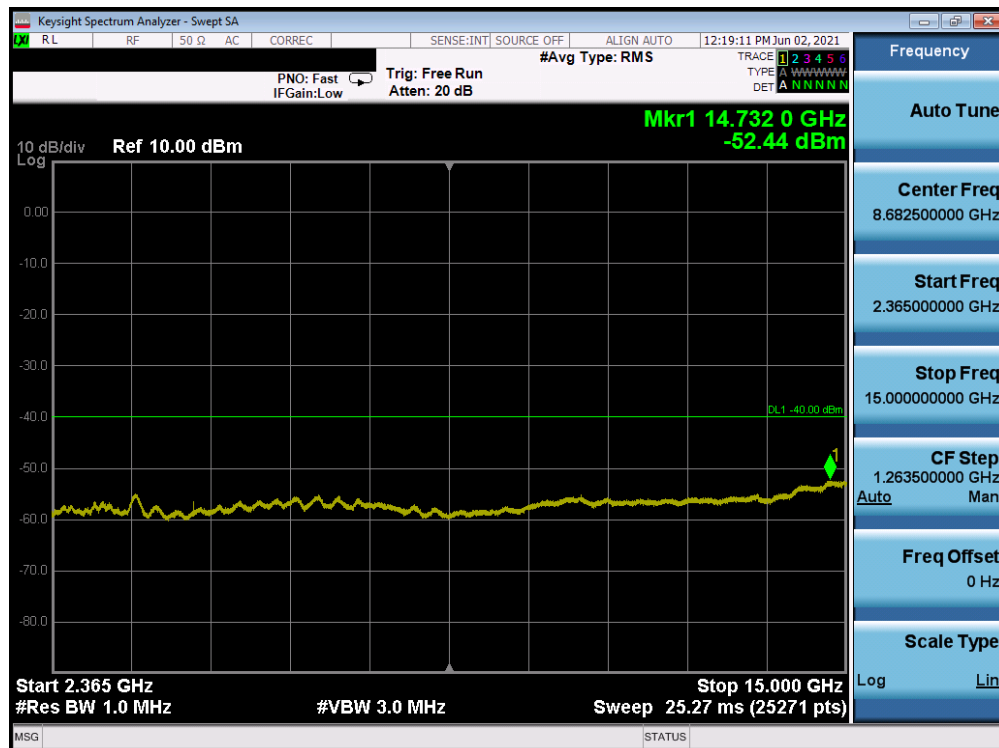


Plot 7-42. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 37 of 102

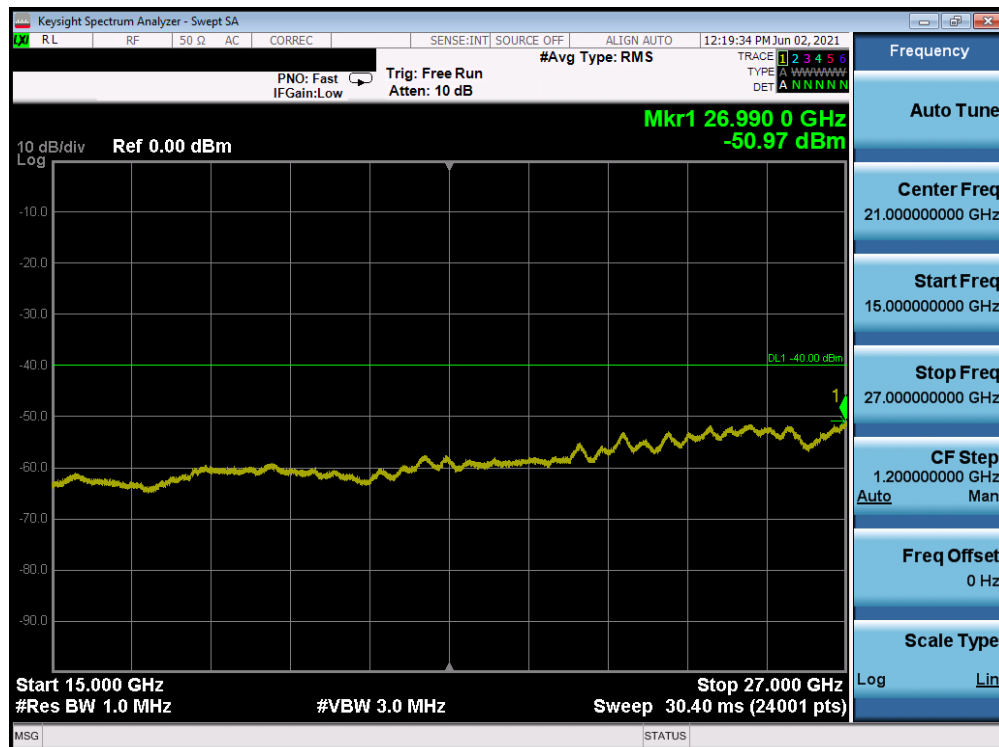


Plot 7-43. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-44. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 38 of 102

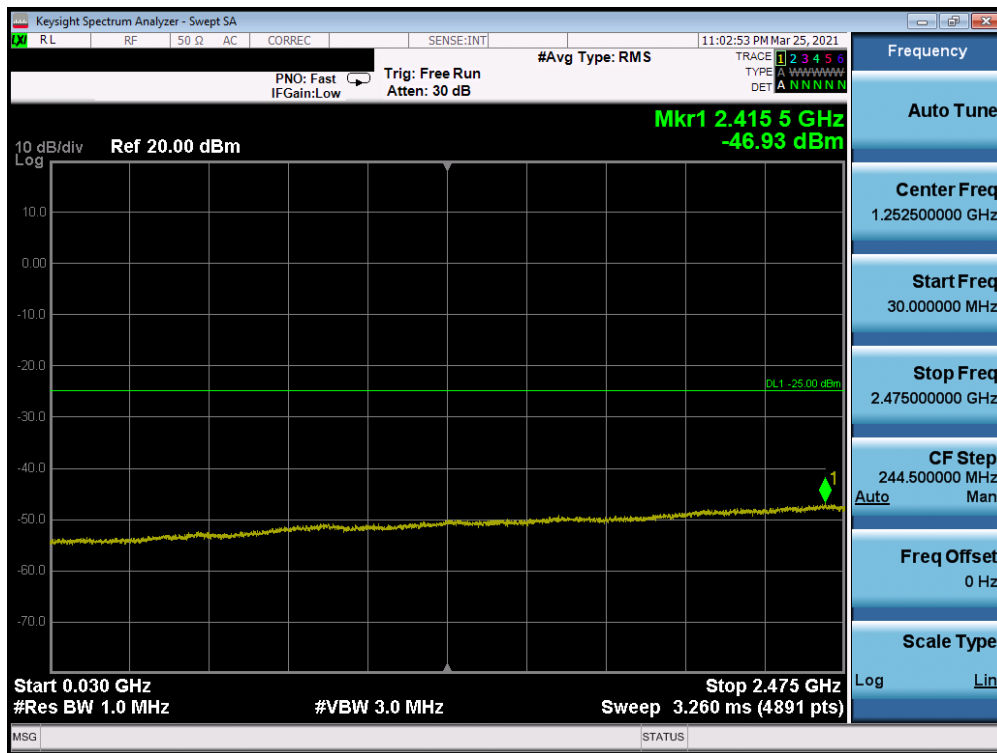


Plot 7-45. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

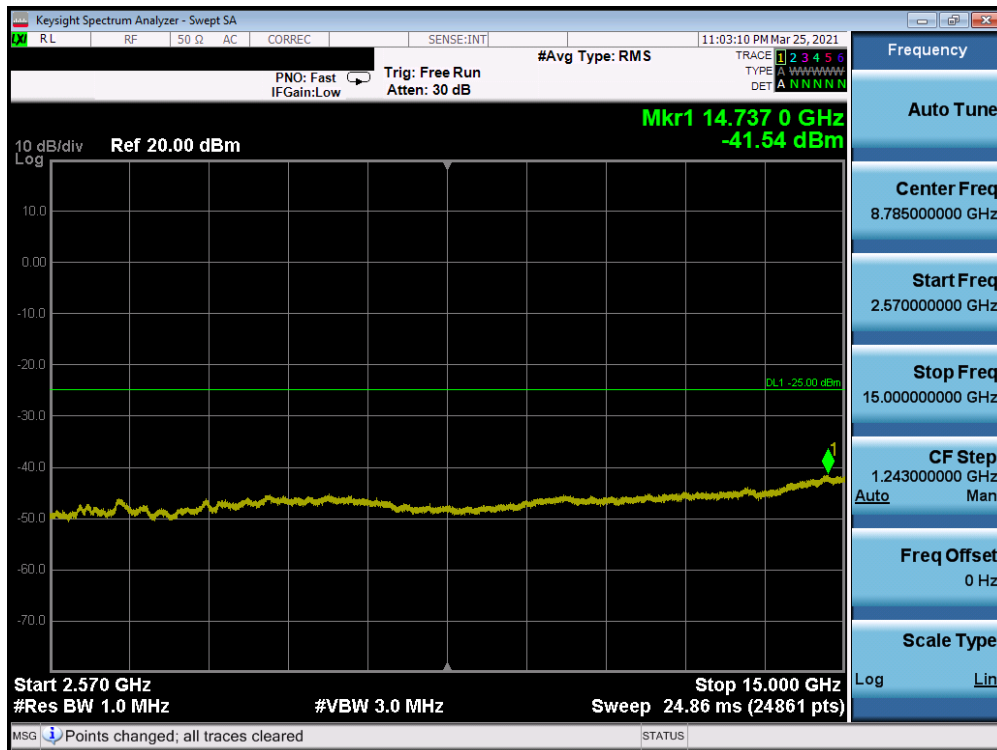
FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 39 of 102



## LTE Band 7



Plot 7-46. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

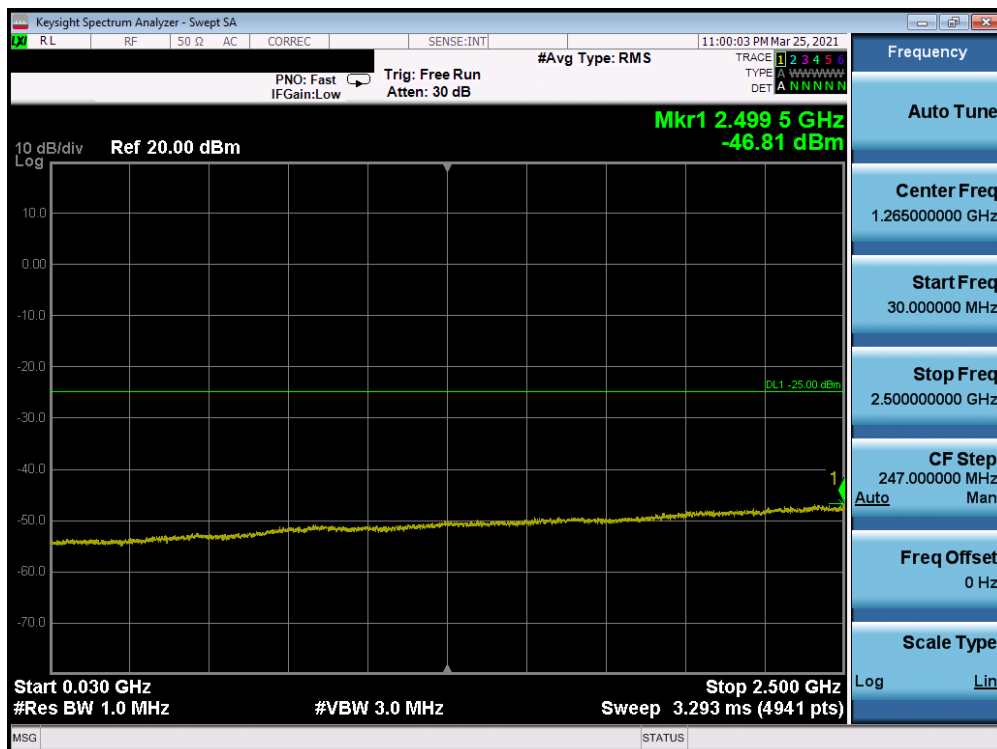


Plot 7-47. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)


FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 40 of 102

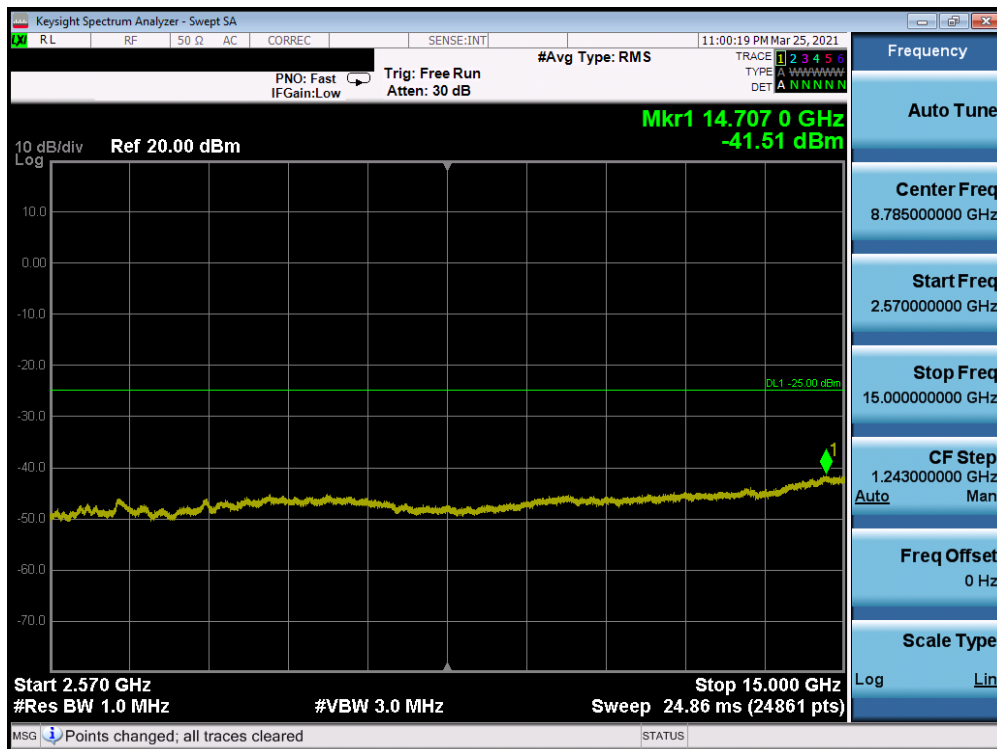


Plot 7-48. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

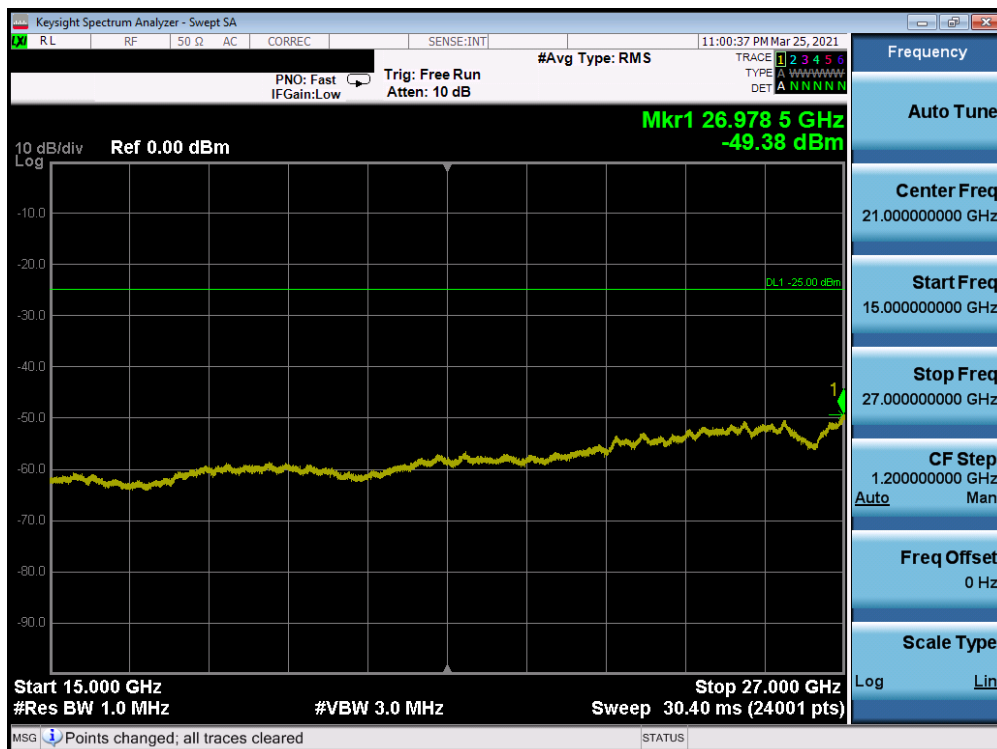


Plot 7-49. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)


FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 41 of 102



Plot 7-50. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

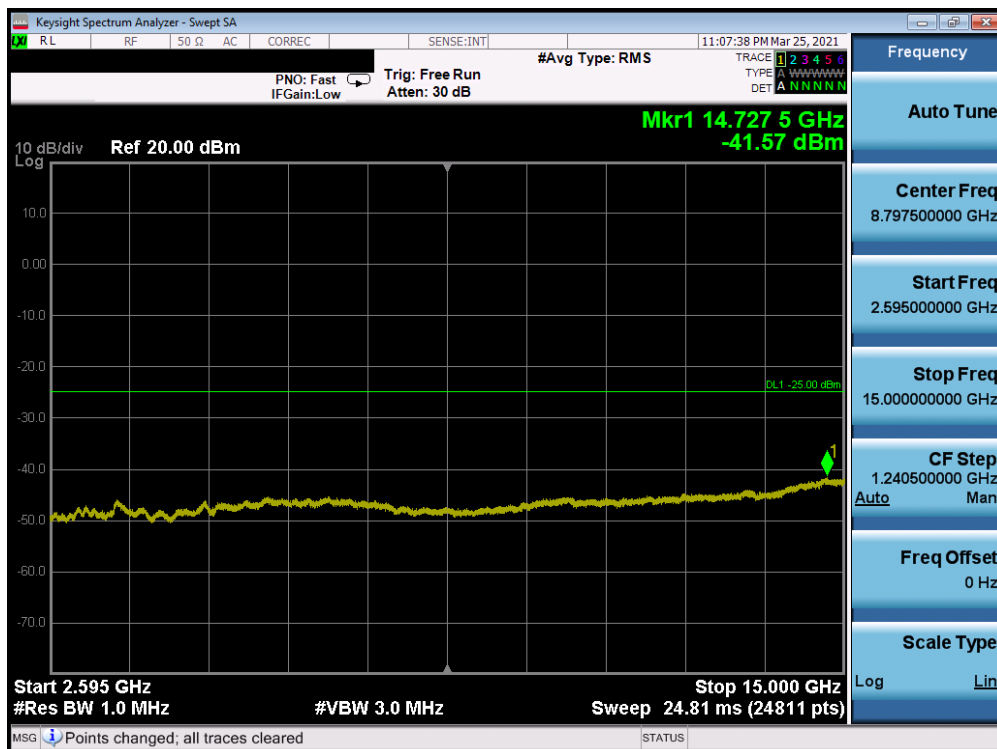


Plot 7-51. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)


FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 42 of 102

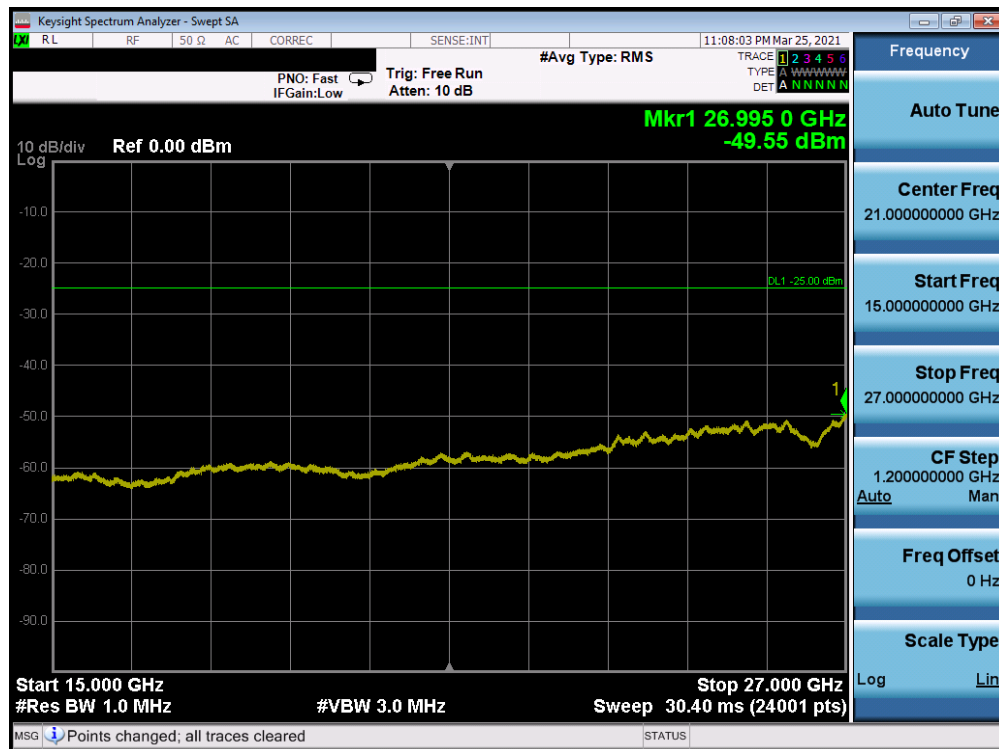


Plot 7-52. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-53. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

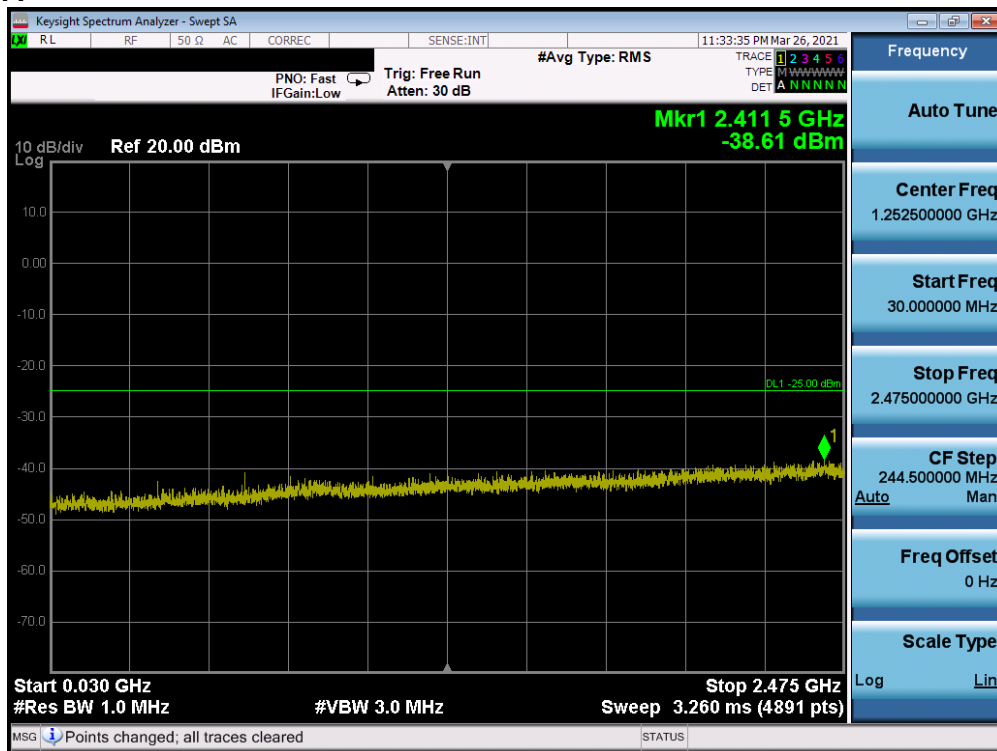
FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 43 of 102



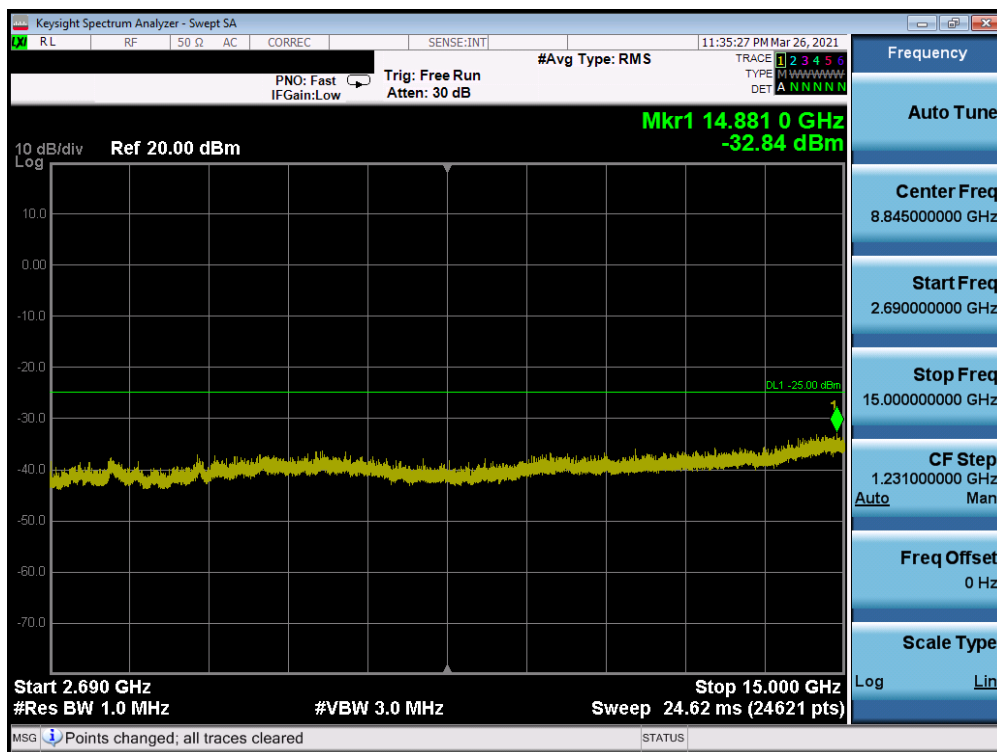
Plot 7-54. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 44 of 102


## LTE Band 41

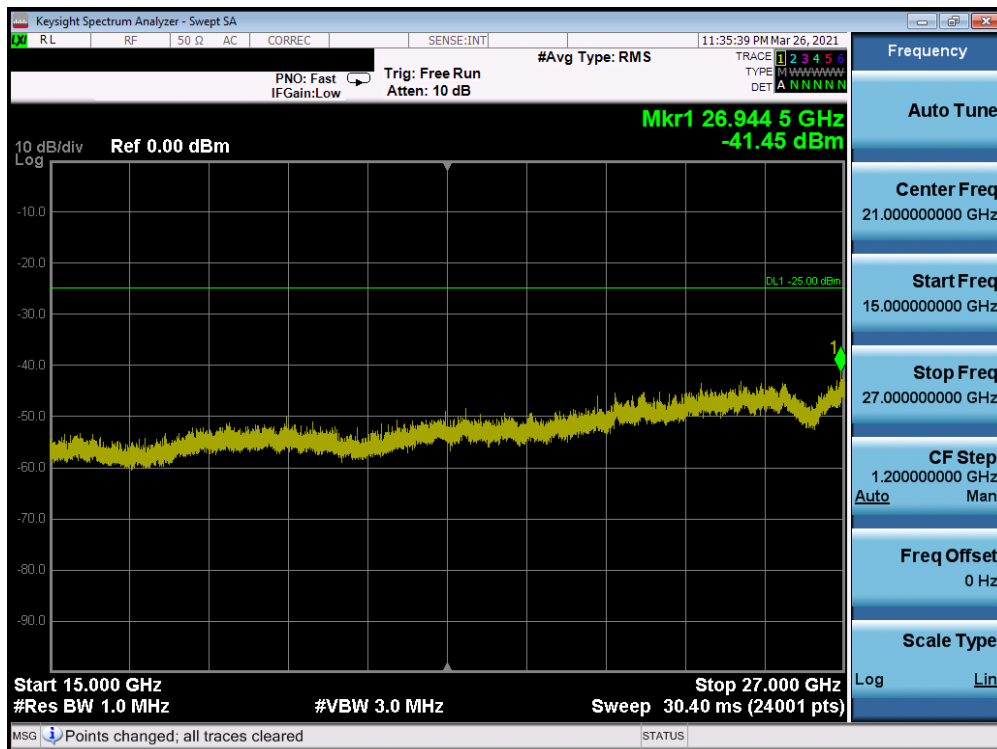


Plot 7-55. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

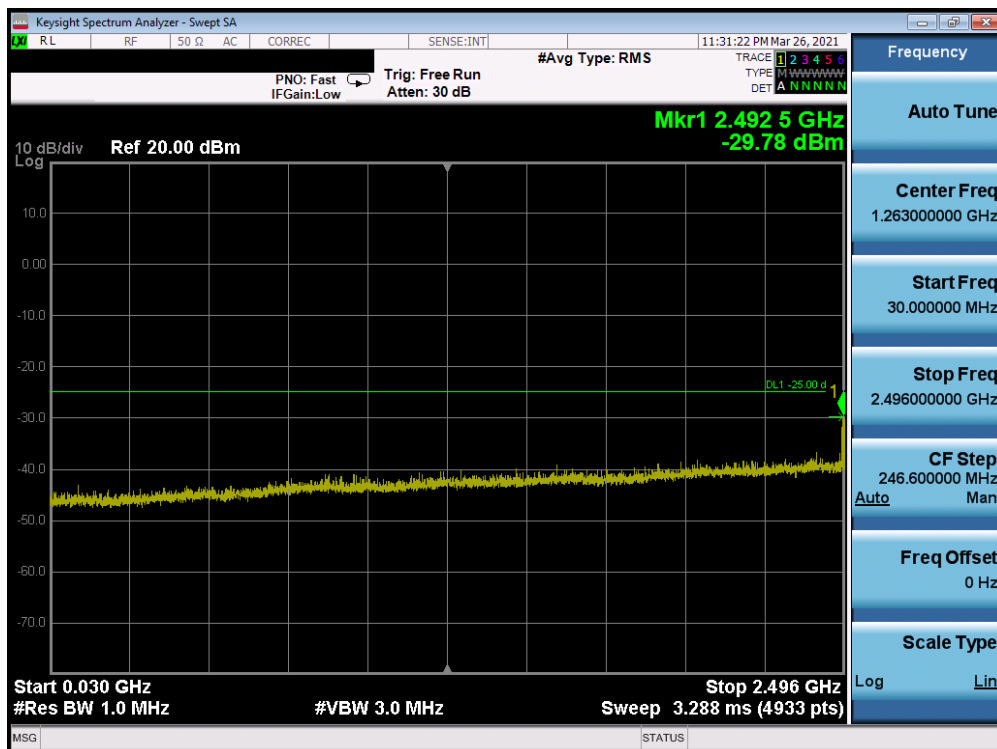


Plot 7-56. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)


FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 45 of 102

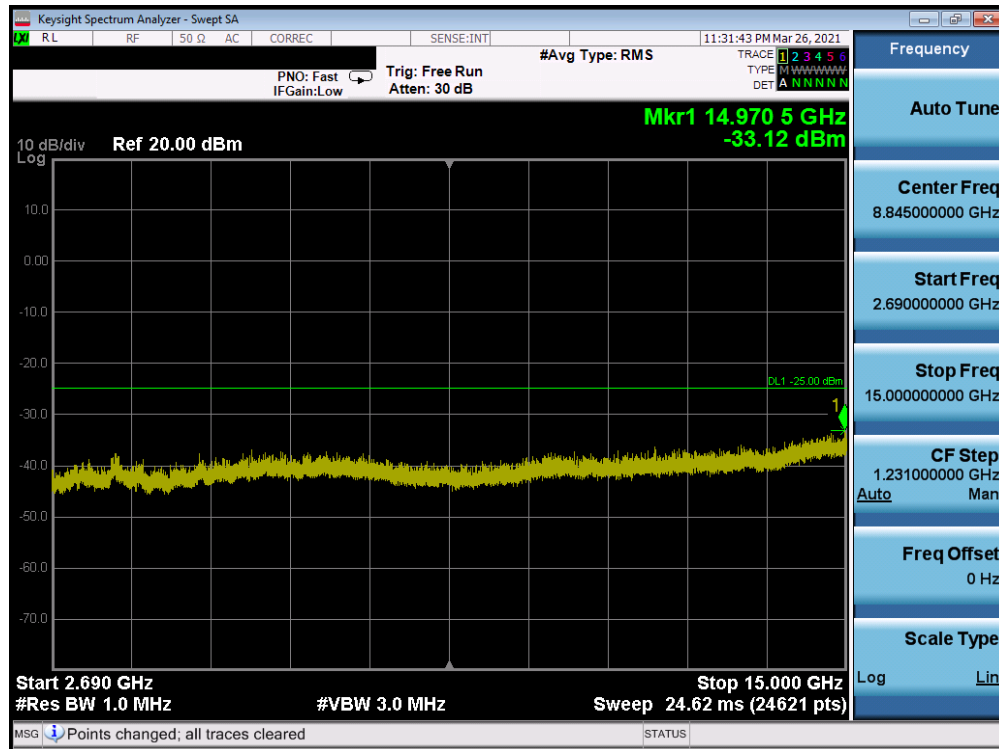


Plot 7-57. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

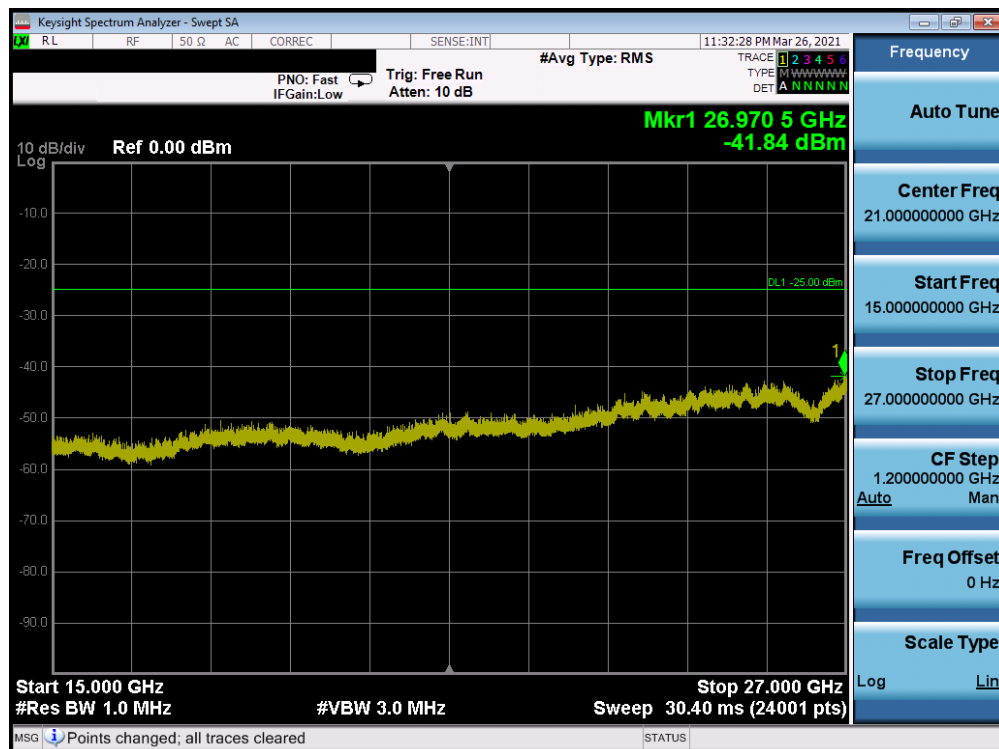


Plot 7-58. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)


FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 46 of 102



Plot 7-59. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-60. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

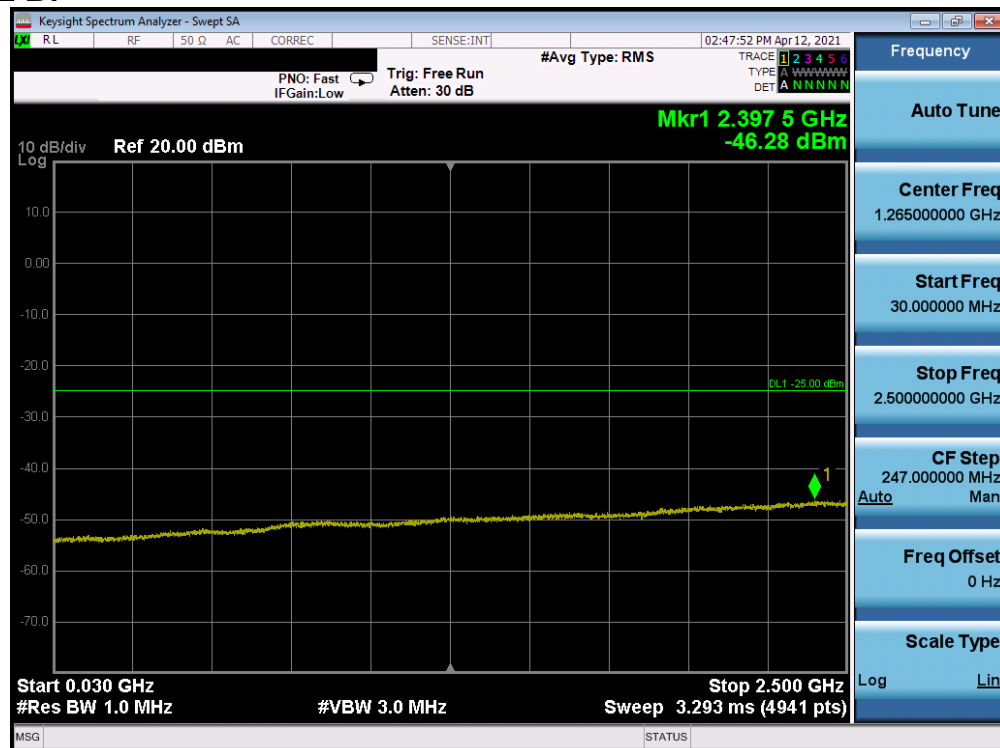
FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 47 of 102








## ULCA - LTE B7

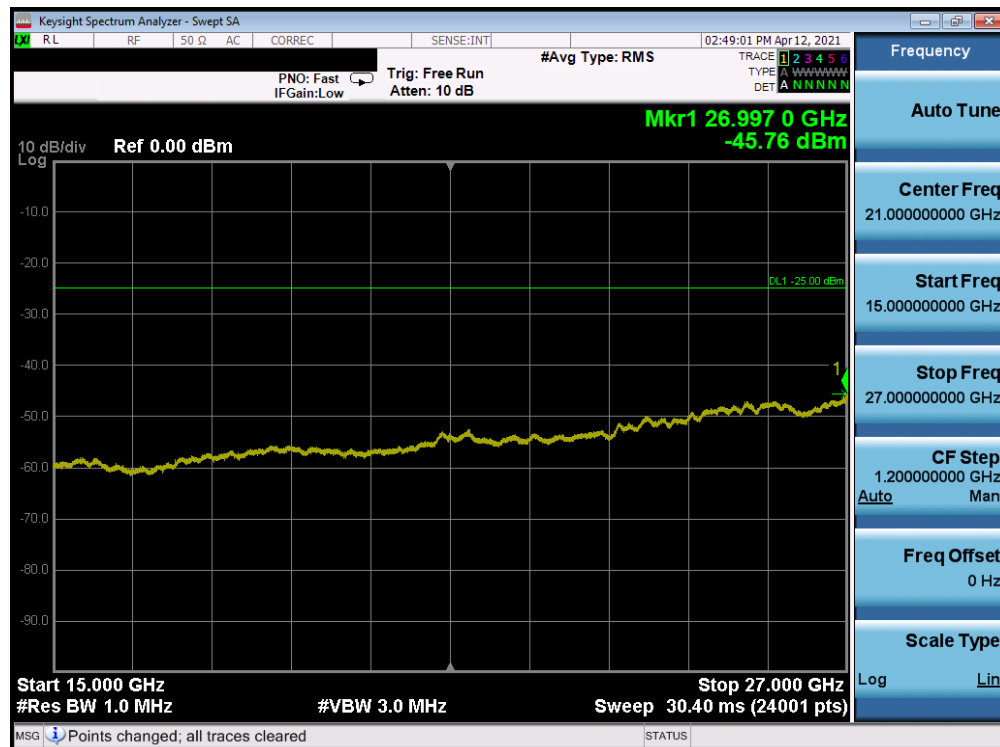


Plot 7-64. CSE (ULCA LTE Band 7 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)



Plot 7-65. CSE (ULCA LTE Band 7 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)

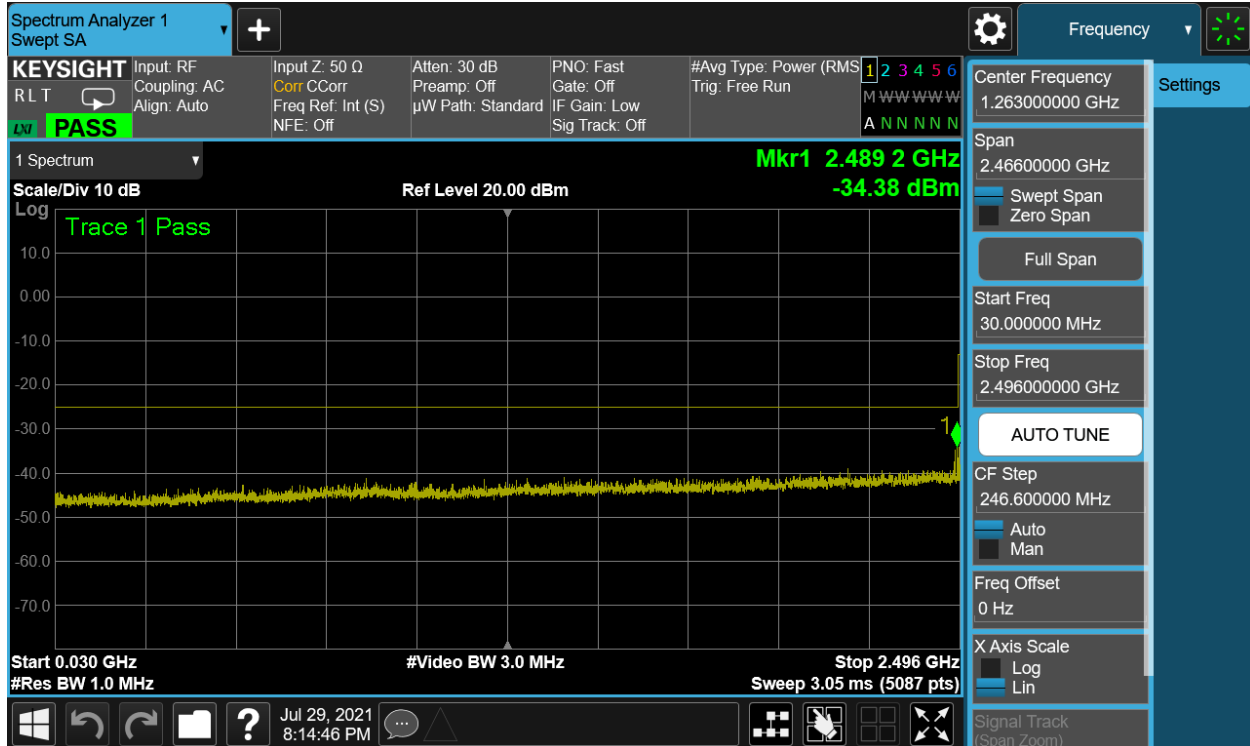
FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 50 of 102



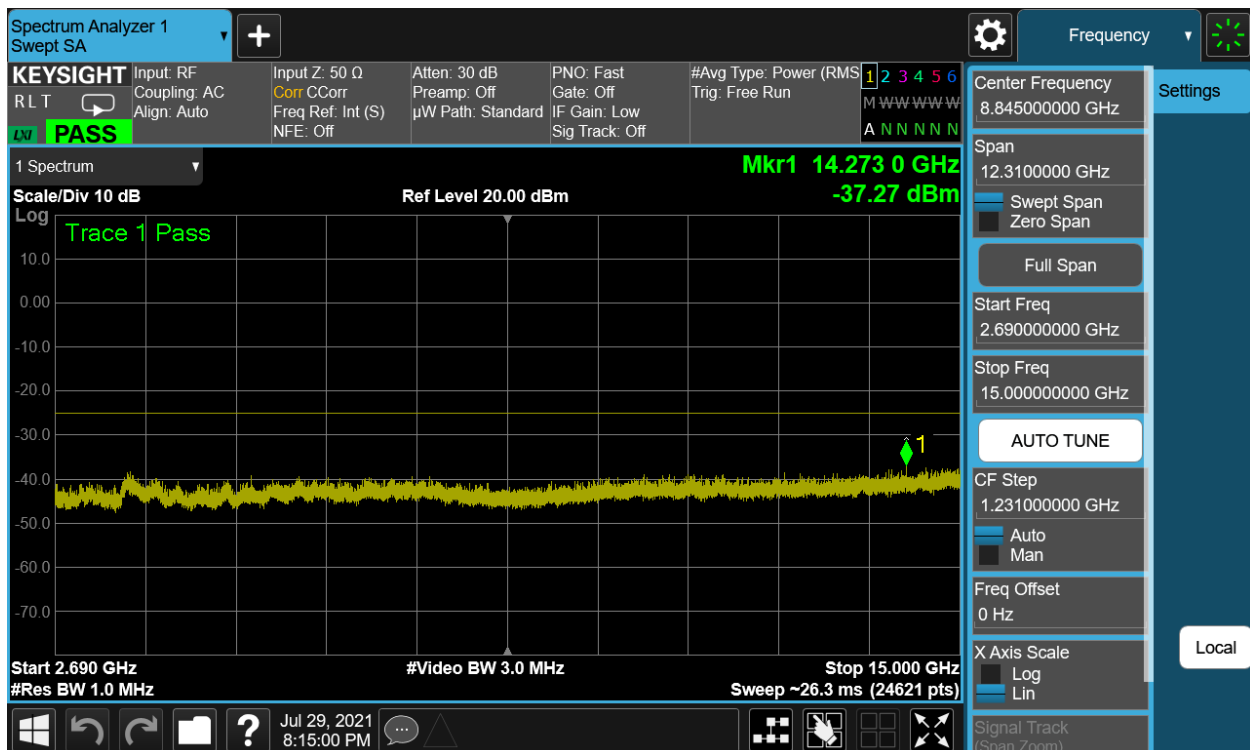
Plot 7-66. CSE (ULCA LTE Band 7 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 51 of 102

## ULCA - LTE B41

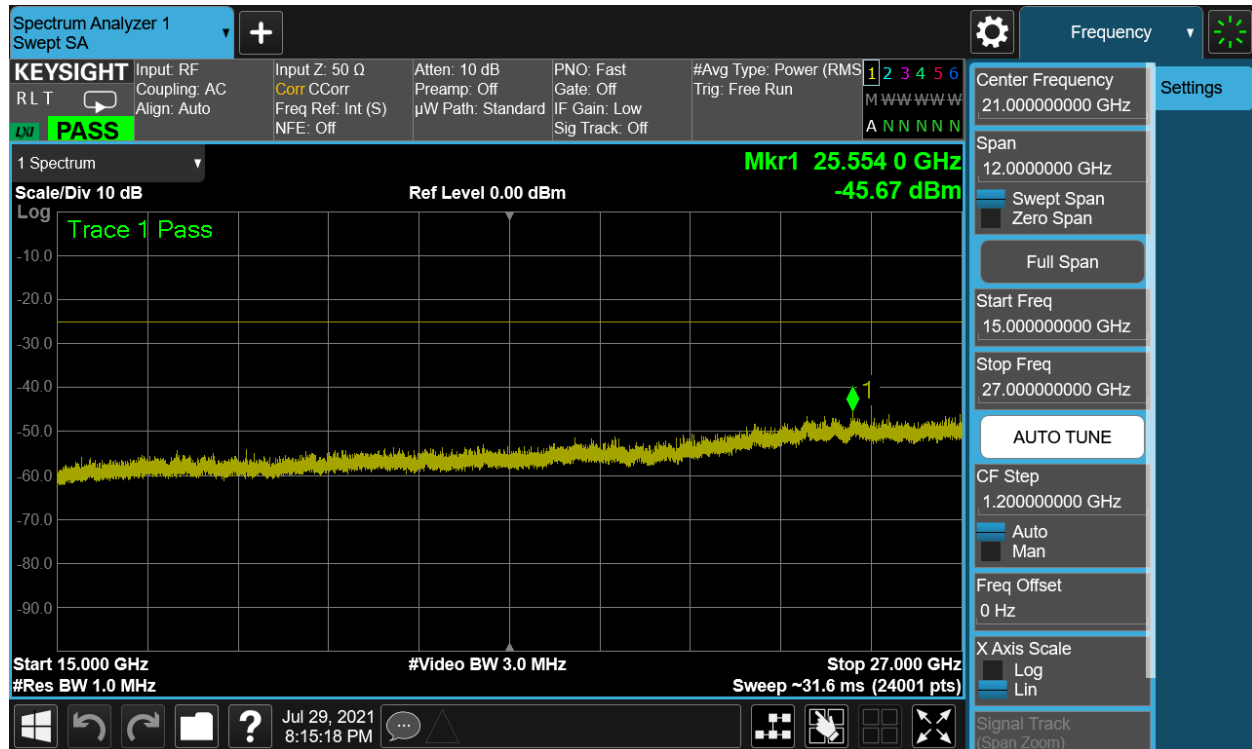


Plot 7-67. CSE (ULCA LTE Band 41 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)



Plot 7-68. CSE (ULCA LTE Band 41 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 52 of 102



Plot 7-69. CSE (ULCA LTE Band 41 - (20 + 20)MHz QPSK - PCC 1/99 SCC 1/0, - Mid Channel)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 53 of 102

## 7.4 Band Edge Emissions at Antenna Terminal

### §2.1051, §27.53(a), §27.53(m)

#### Test Overview

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

***The minimum permissible attenuation level for Band 30 is  $> 43 + 10 \log_{10} (P[\text{Watts}]$  at 2300-2305MHz & 2345-2360MHz,  $> 55 + 10 \log_{10} (P[\text{Watts}]$  at 2320-2324MHz & 2341-2345MHz,  $> 61 + 10 \log_{10} (P[\text{Watts}]$  at 2324-2328MHz & 2337-2341MHz,  $> 67 + 10 \log_{10} (P[\text{Watts}]$  at 2288-2292MHz & 2328-2337MHz, and  $> 70 + 10 \log_{10} (P[\text{Watts}]$  at frequencies  $< 2288\text{MHz}$  &  $> 2365\text{MHz}$ .***

***For LTE Bands 7 and 41 the minimum permissible attenuation level is noted in the Test Notes on the following page.***

#### Test Procedure Used

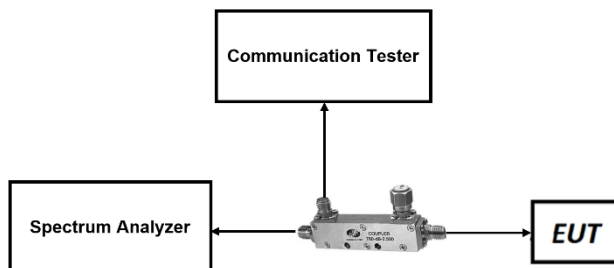
KDB 971168 D01 v03r01 – Section 6.0

#### Test Settings


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

#### Test Setup

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




**Figure 7-3. Test Instrument & Measurement Setup**

FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 54 of 102

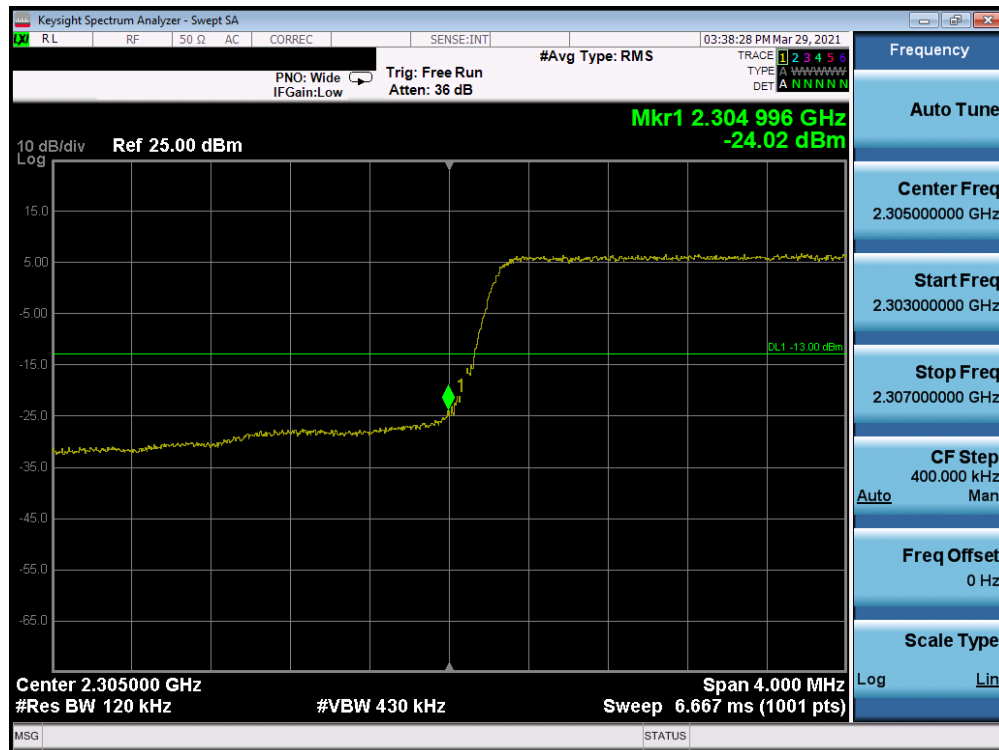
## Test Notes

1. Per 27.53(h), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). 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 emissions are attenuated at least 26 dB below the transmitter power.
3. Per 27.53(m) 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 than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz.

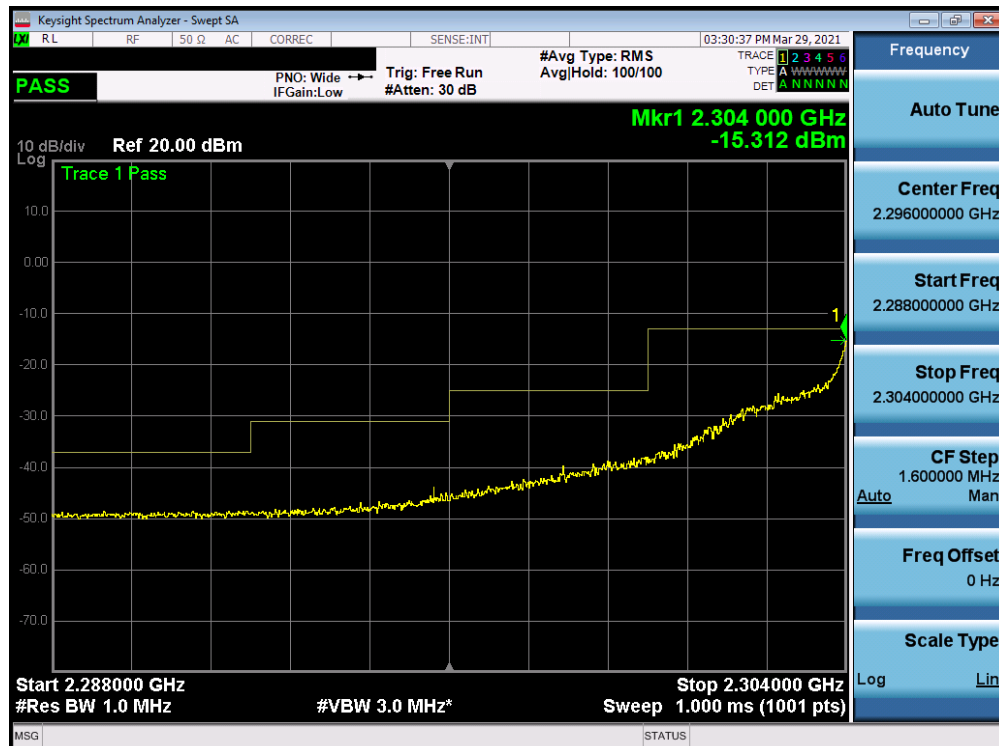
<b>FCC ID:</b> BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-04-R1.BCG	<b>Test Dates:</b> 6/7/2021 - 7/30/2021	<b>EUT Type:</b> Tablet Device	Page 55 of 102



## LTE Band 30



Plot 7-70. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

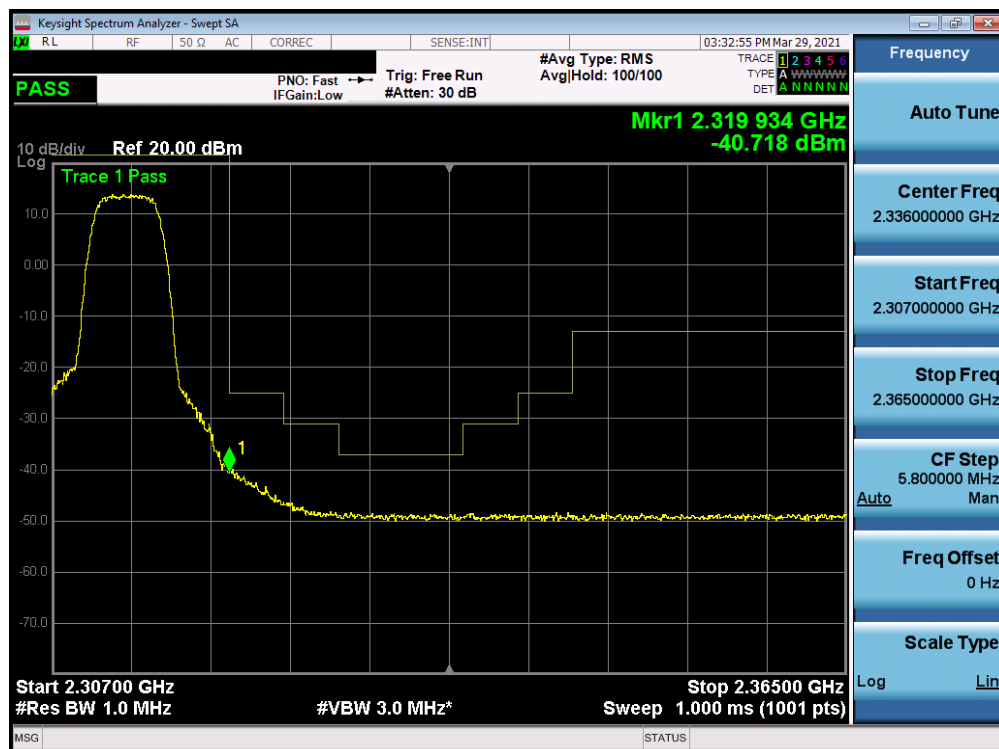


Plot 7-71. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)


FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 56 of 102

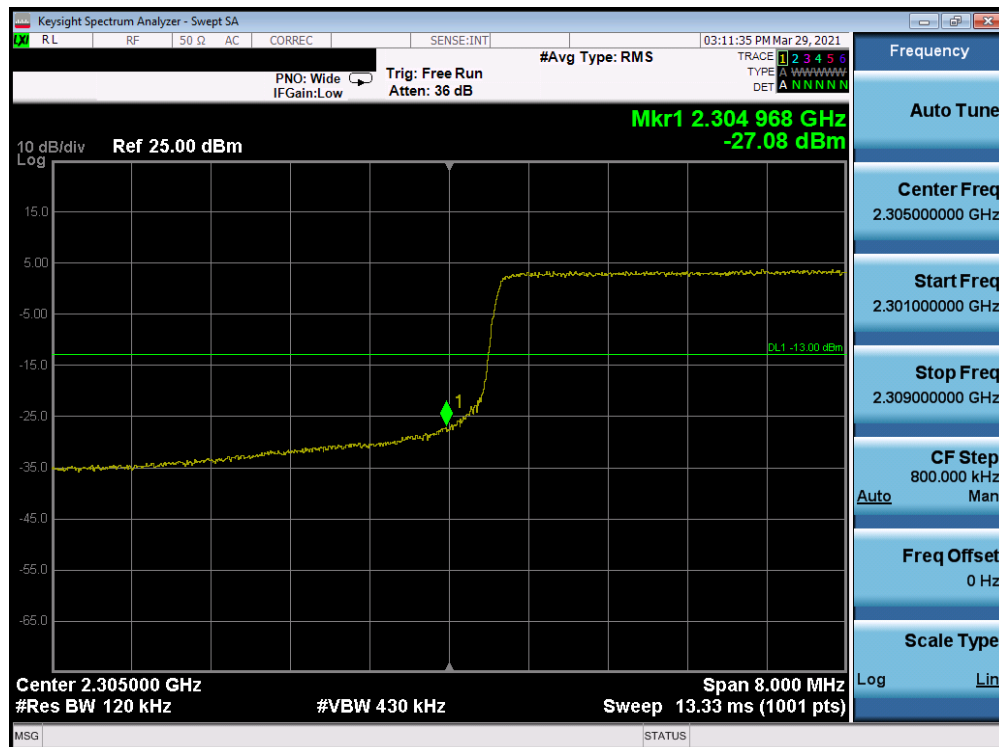


Plot 7-72. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

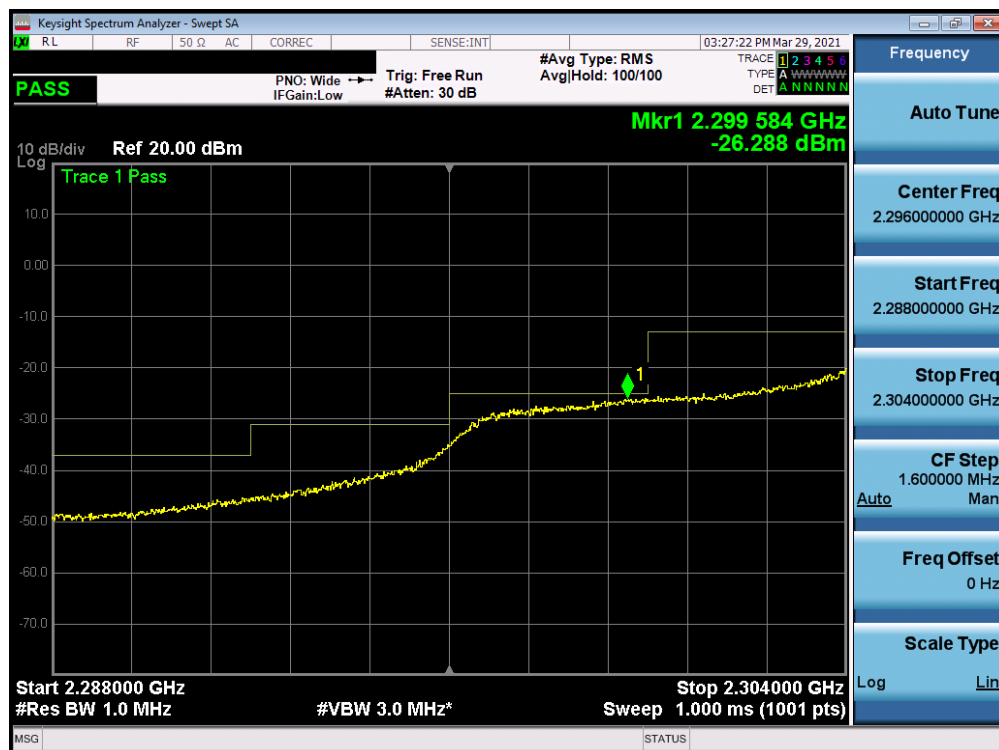


Plot 7-73. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
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Plot 7-74. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

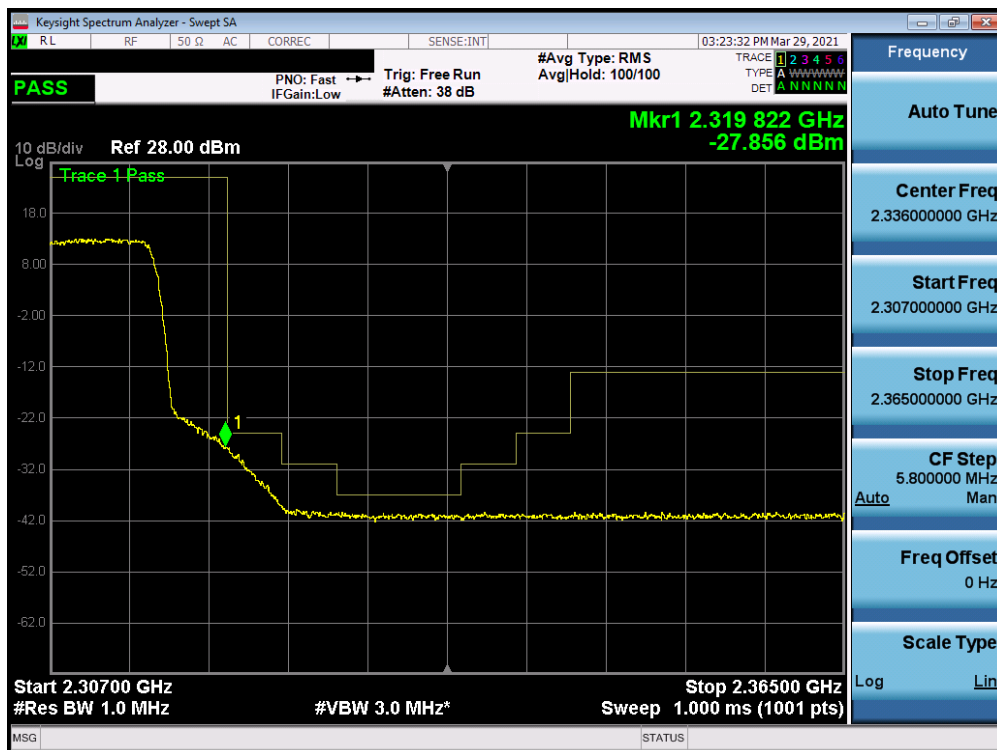


Plot 7-75. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 58 of 102



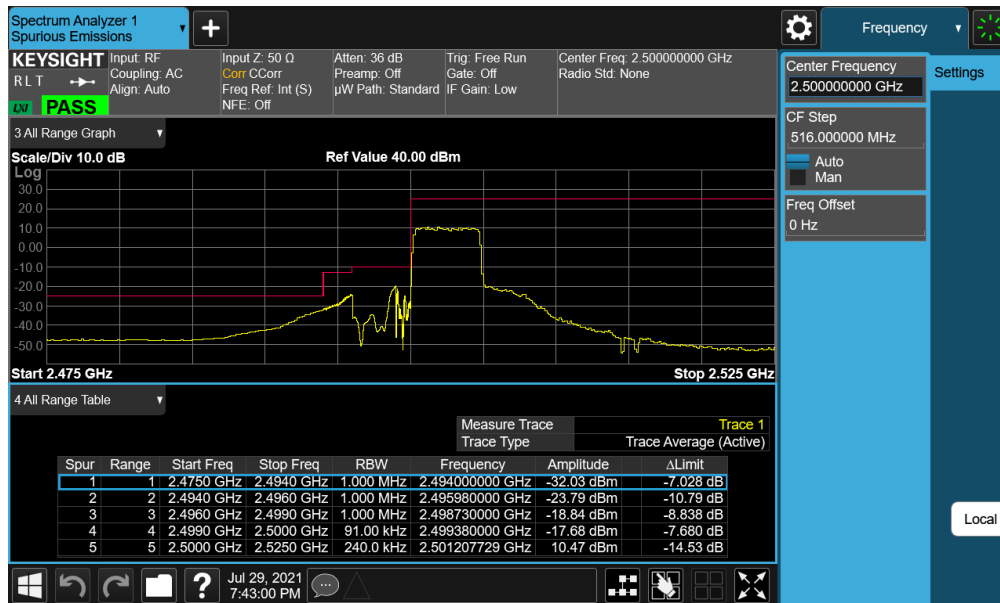
Plot 7-76. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)



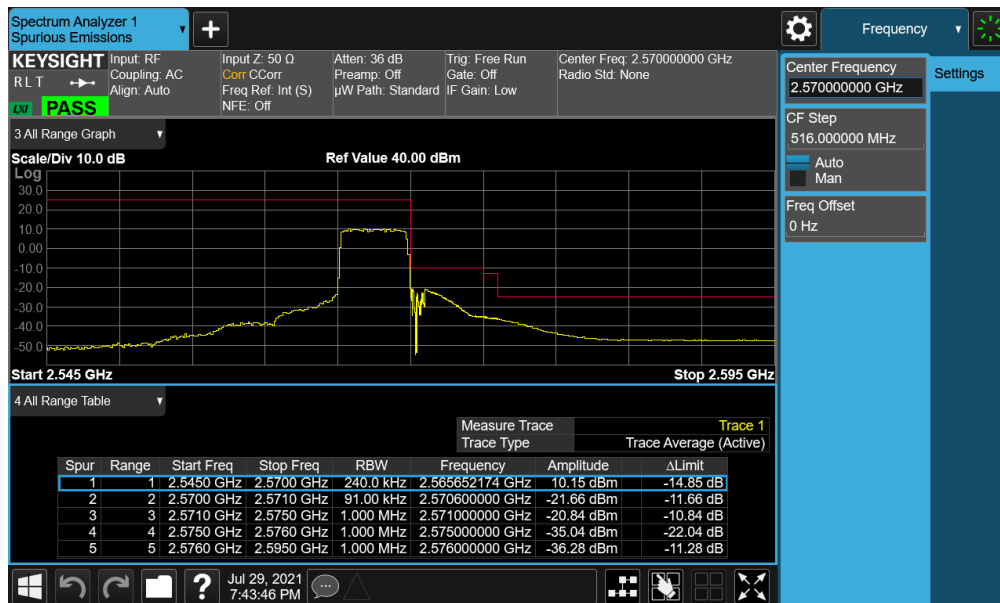
Plot 7-77. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 59 of 102

## LTE Band 7

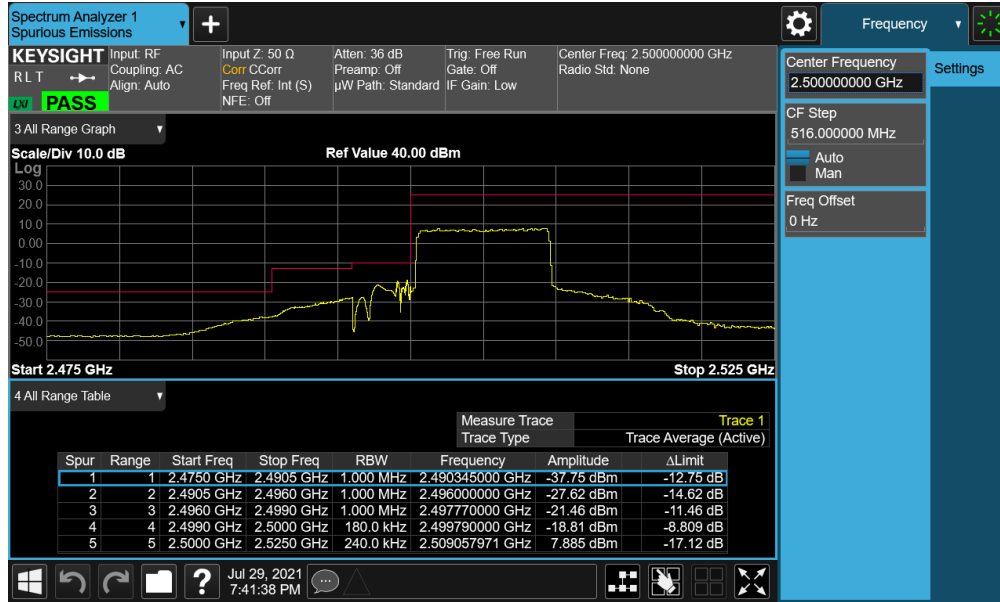


Plot 7-78. Lower ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB Configuration)

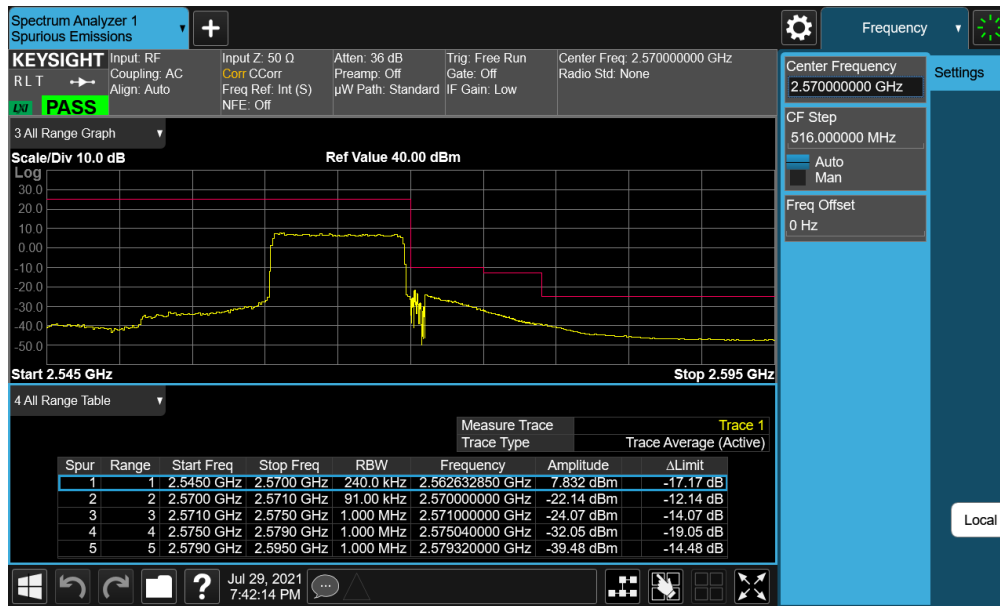


Plot 7-79. Upper ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 60 of 102

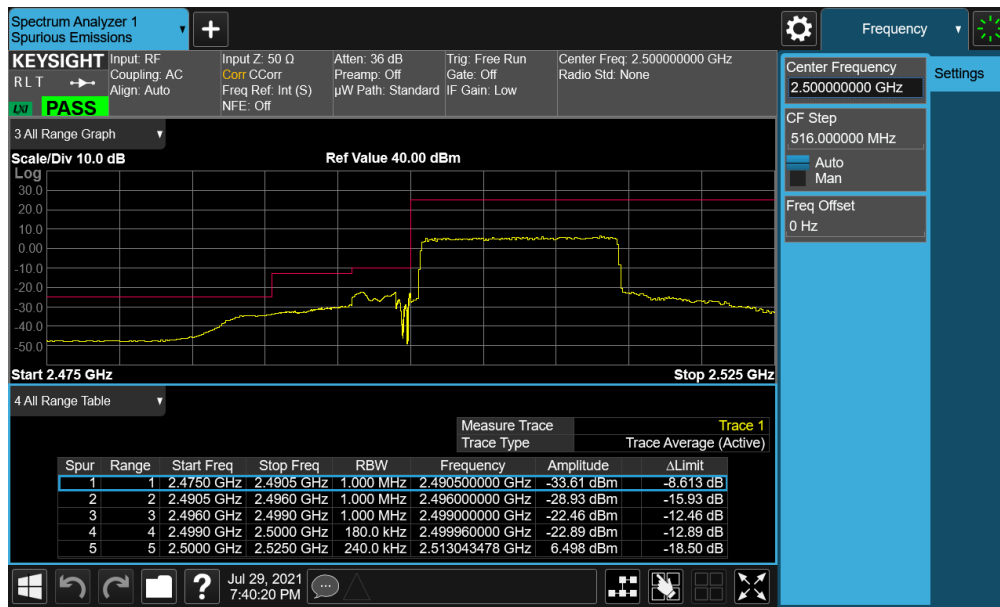


Plot 7-80. Lower ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB Configuration)

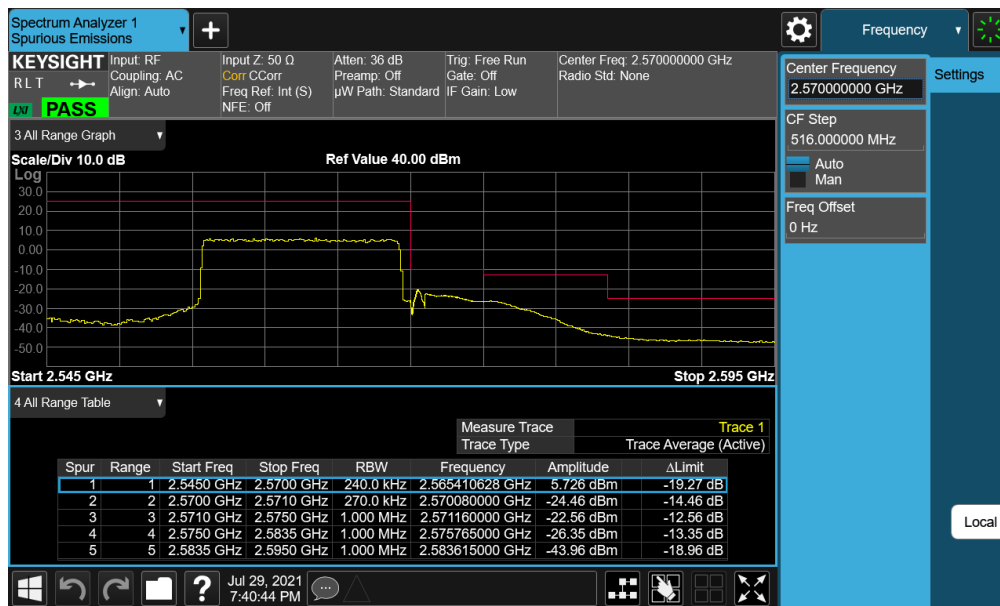


Plot 7-81. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 61 of 102

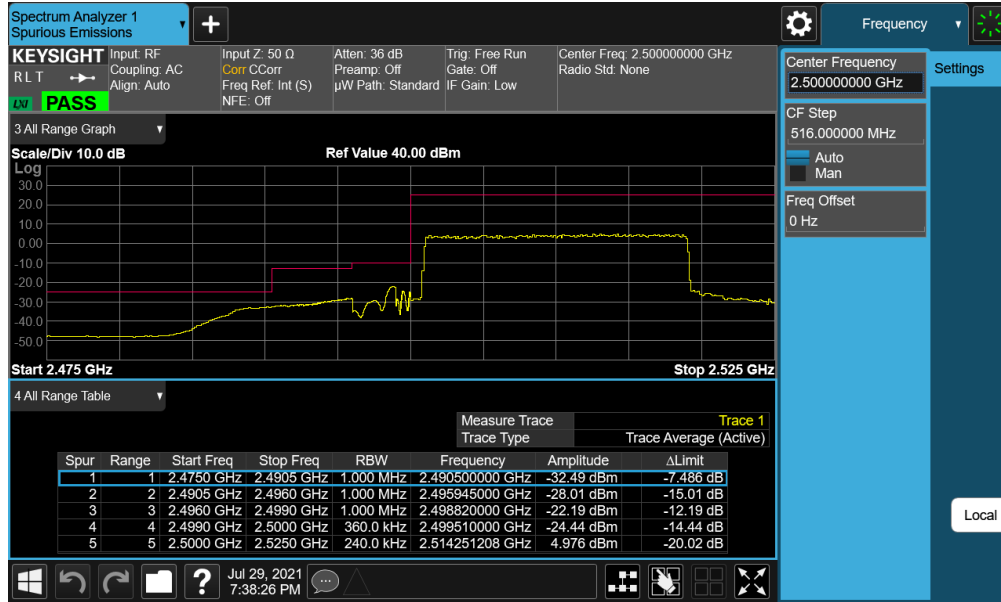


Plot 7-82. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB Configuration)

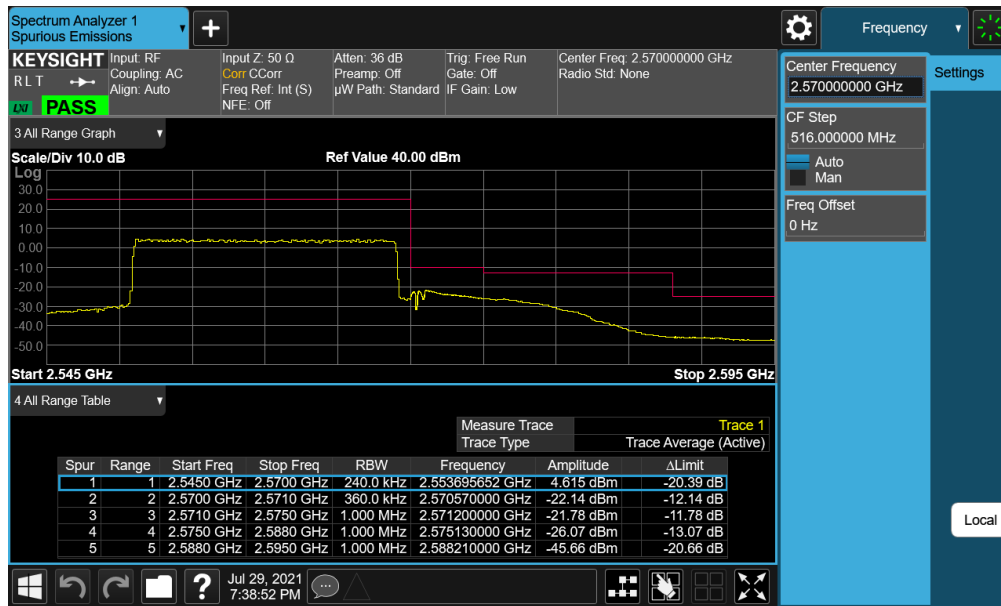


Plot 7-83. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 62 of 102



Plot 7-84. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB Configuration)

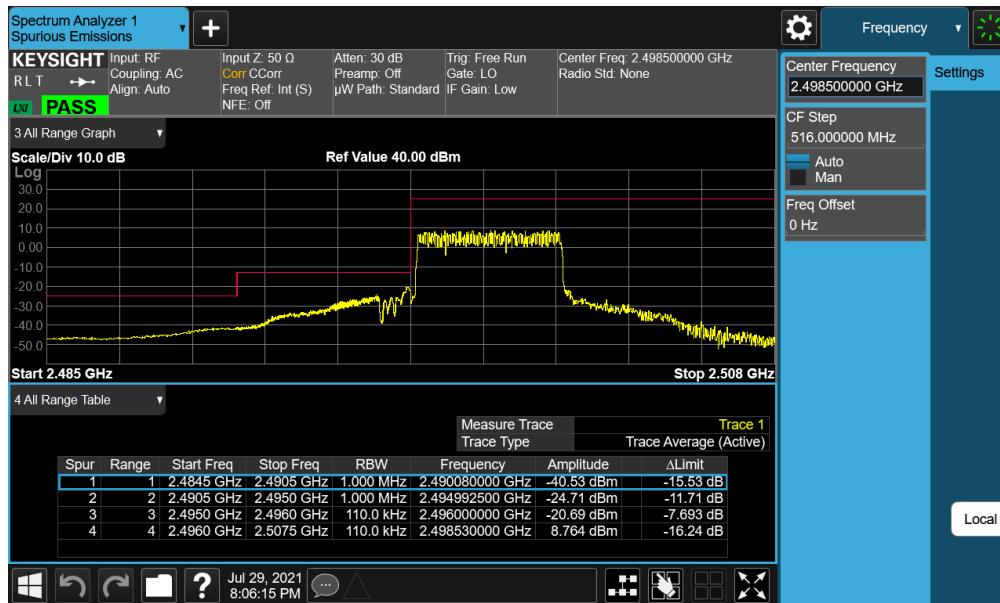


Plot 7-85. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB Configuration)

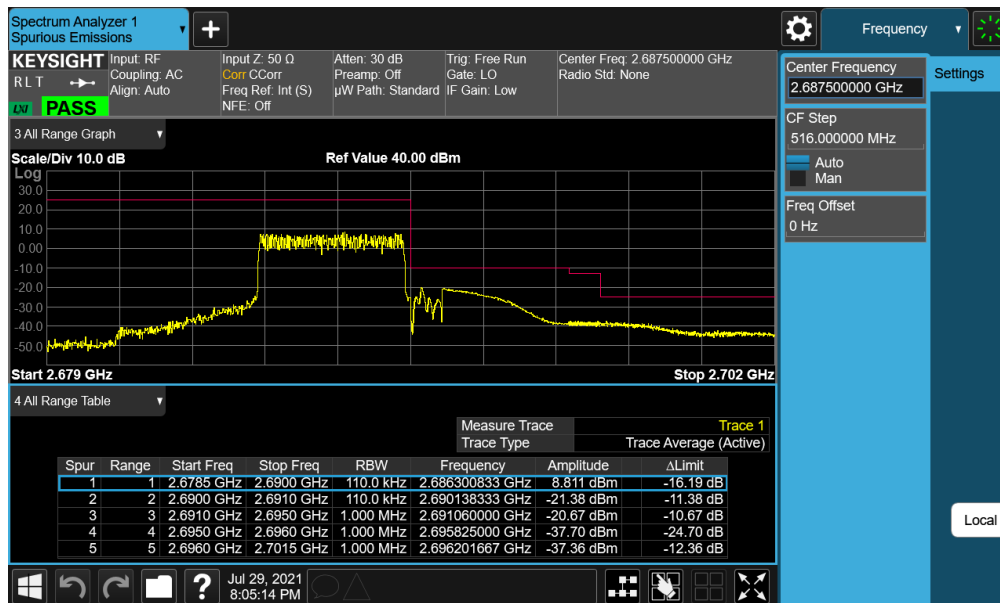
FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 63 of 102



## LTE Band 41

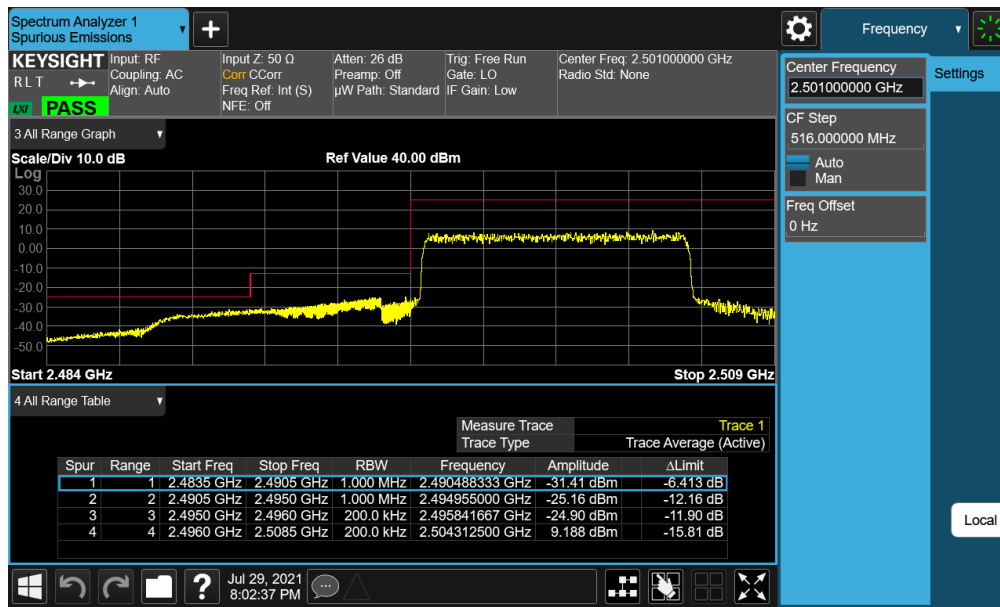


Plot 7-86. Lower ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB Configuration)

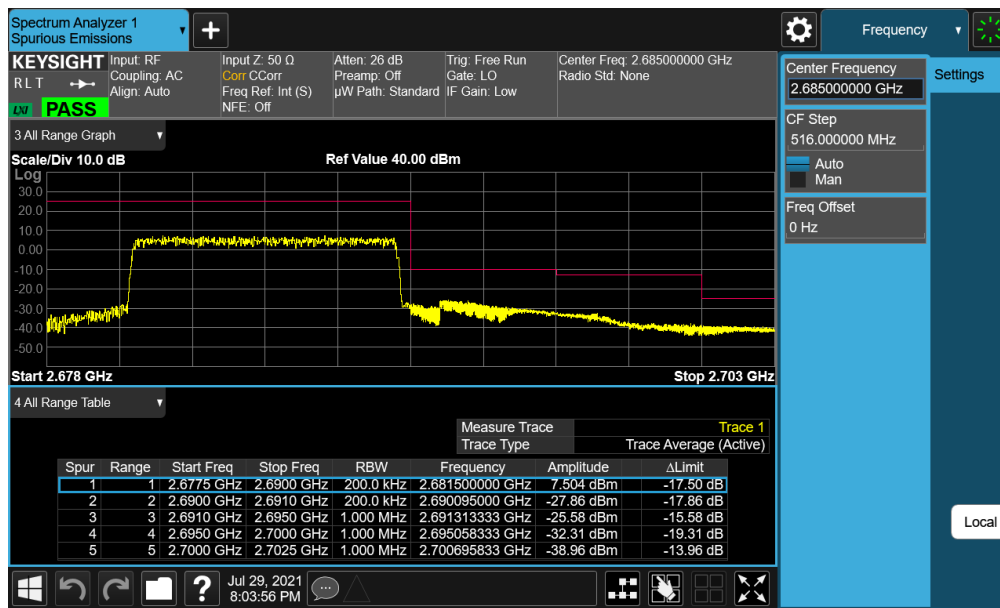


Plot 7-87. Upper ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 64 of 102

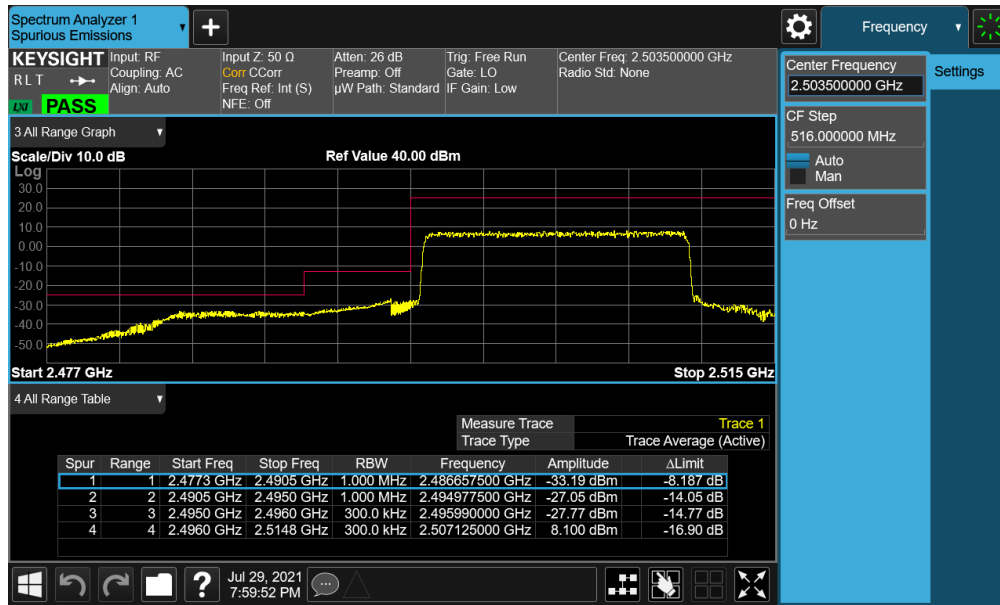


Plot 7-88. Lower ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB Configuration)

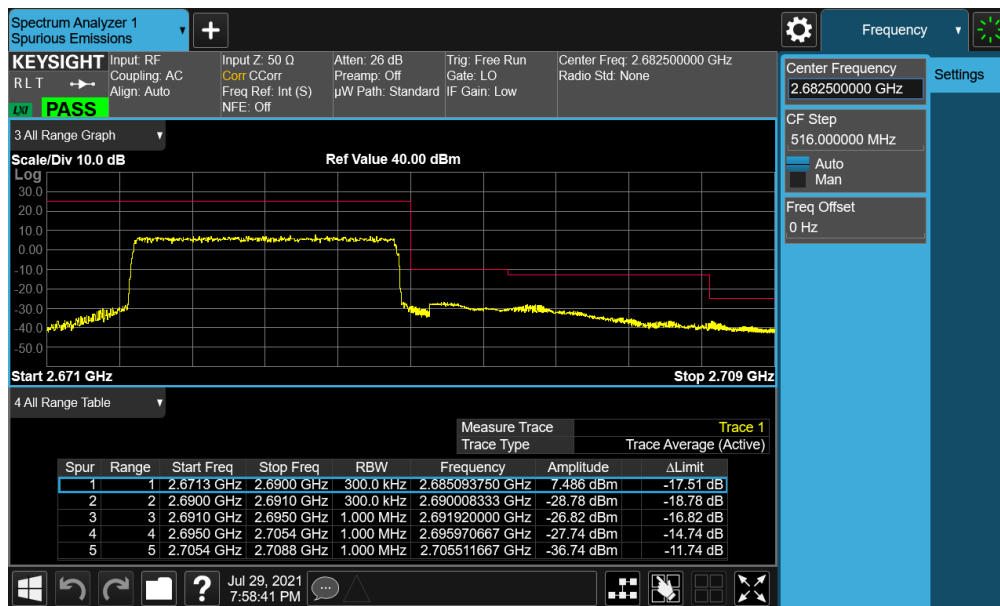


Plot 7-89. Upper ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 65 of 102

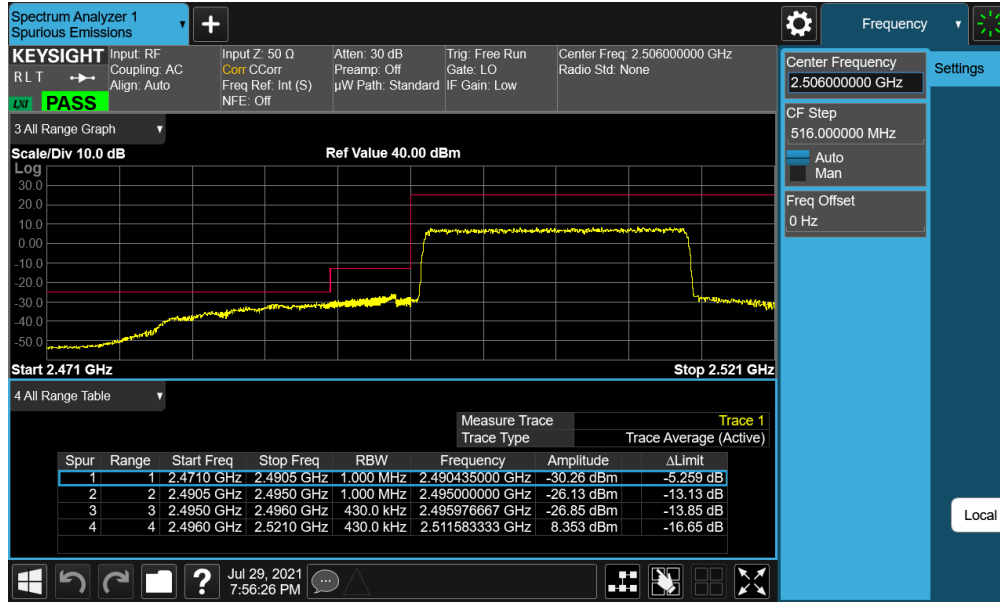


Plot 7-90. Lower ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB Configuration)

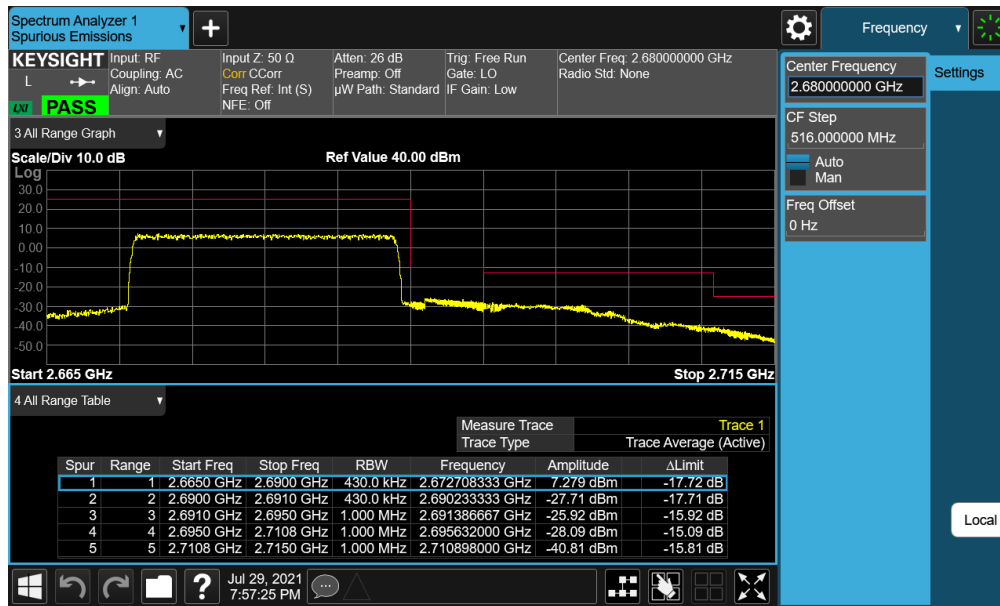


Plot 7-91. Upper ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 66 of 102



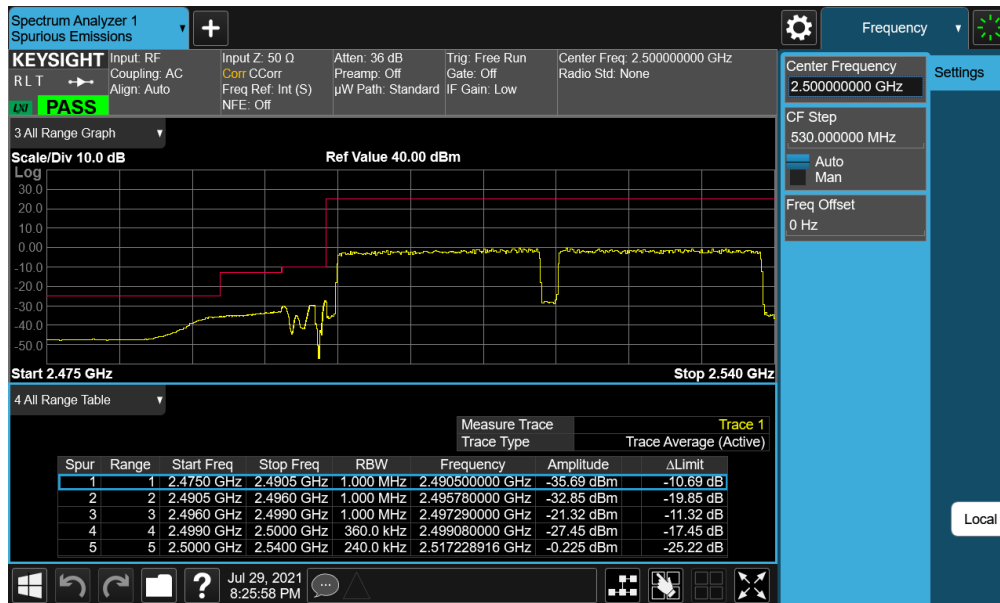
Plot 7-92. Lower ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB Configuration)



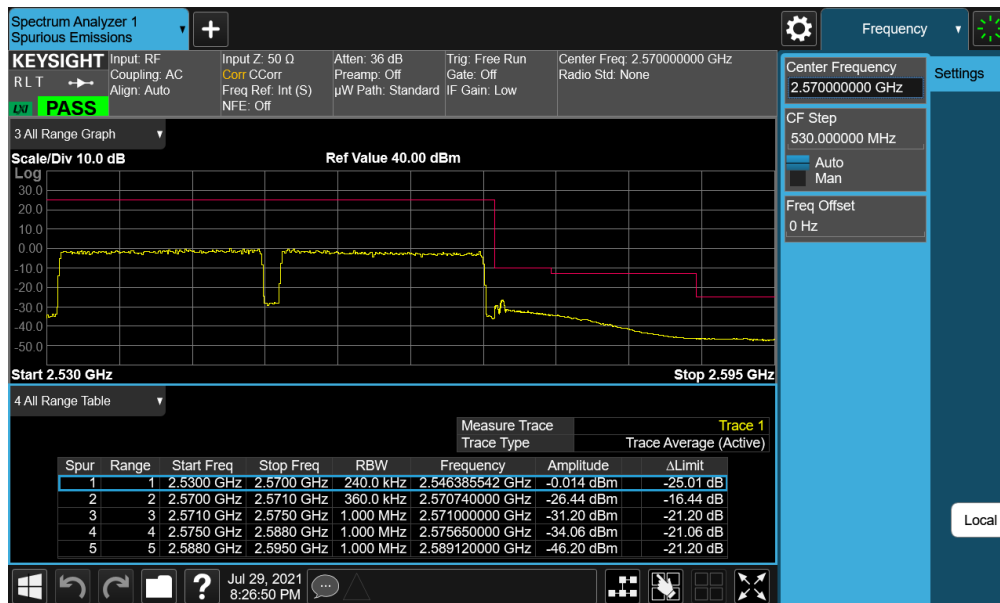
Plot 7-93. Upper ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 67 of 102

## ULCA - LTE Band 7



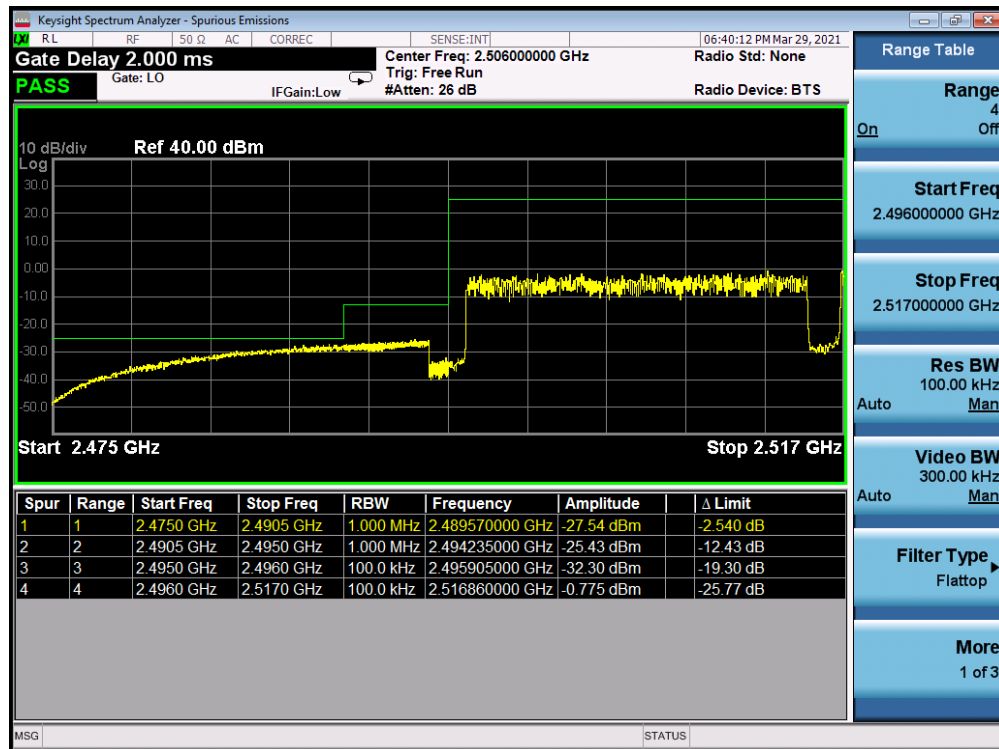
Plot 7-94. Lower ACP Plot (ULCA LTE B7 - 20MHz QPSK – Full RB Configuration)



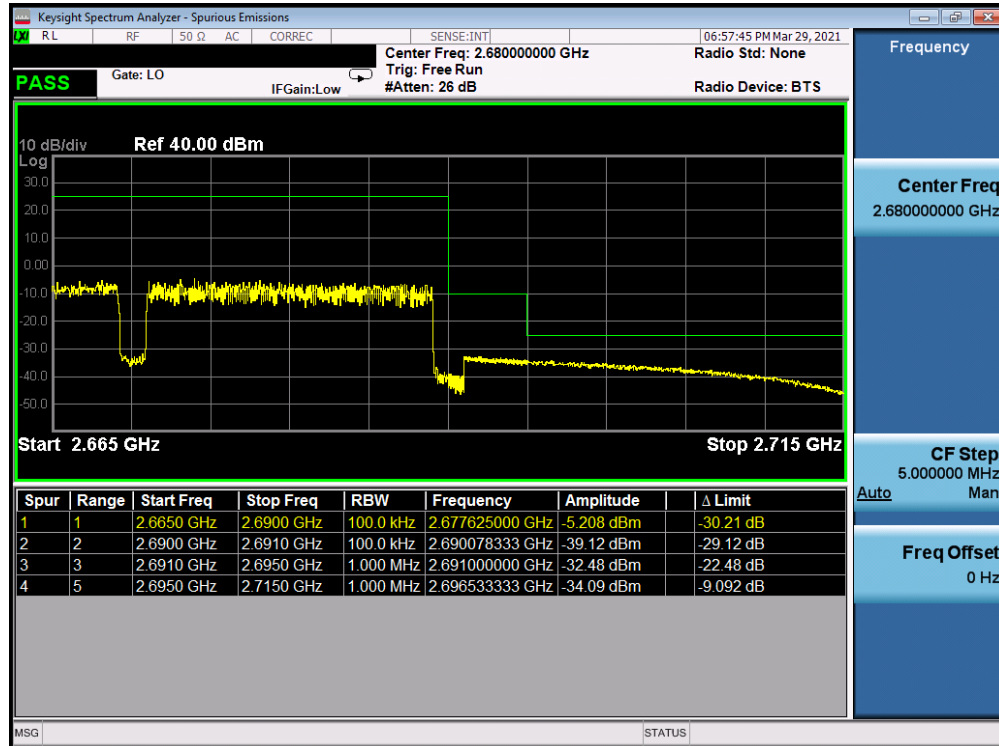
Plot 7-95. Upper ACP Plot (ULCA LTE B7 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 68 of 102

## ULCA - LTE Band 41



Plot 7-96. Lower ACP Plot (ULCA LTE Band 41 - (20 + 20)MHz QPSK – Full RB Configuration)



Plot 7-97. Upper ACP Plot (ULCA LTE Band 41 - (20 + 20)MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Quality Manager
Test Report S/N: 1C2106080051-04-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 69 of 102

## 7.5 Additional Maximum Power Reduction (A-MPR) §2.1046

### Test Overview

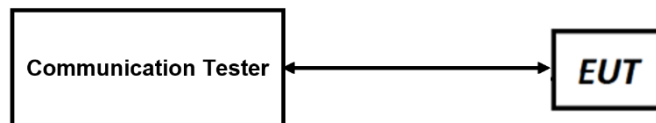
A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

### Test Procedure Used

KDB 971168 D01 v03r01

### Test Setup


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



**Figure 7-4. Conducted Power Measurement Setup**

### Test Notes

None.

<b>FCC ID:</b> BCGA2603	 <b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-04-R1.BCG	<b>Test Dates:</b> 6/7/2021 - 7/30/2021	<b>EUT Type:</b> Tablet Device	Page 70 of 102