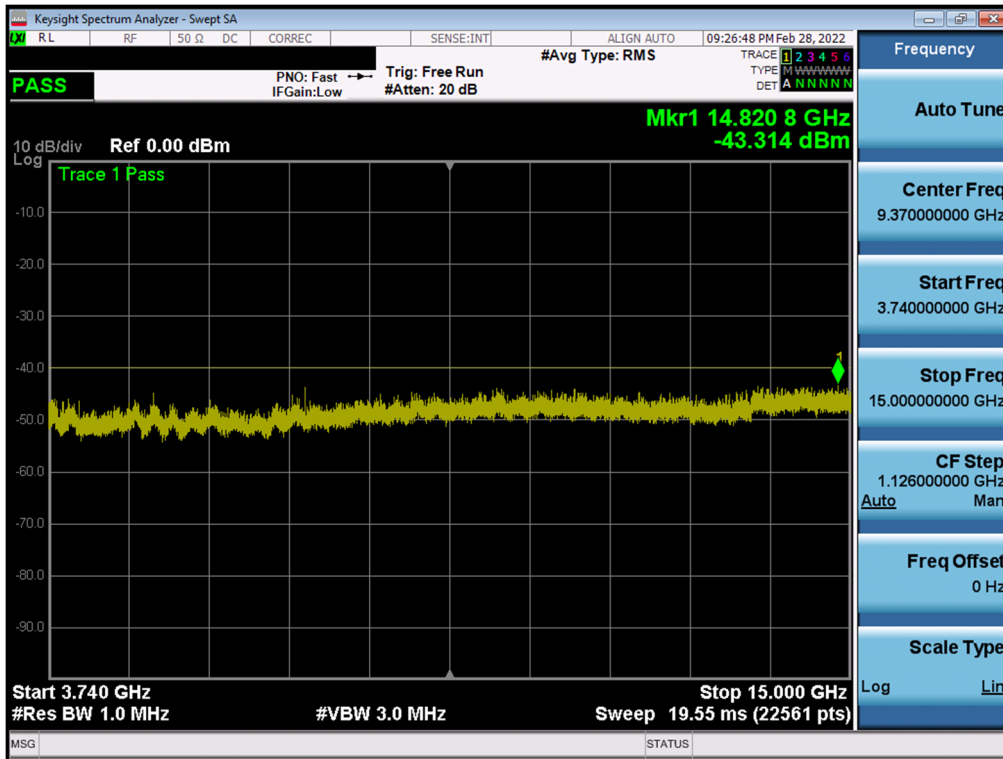
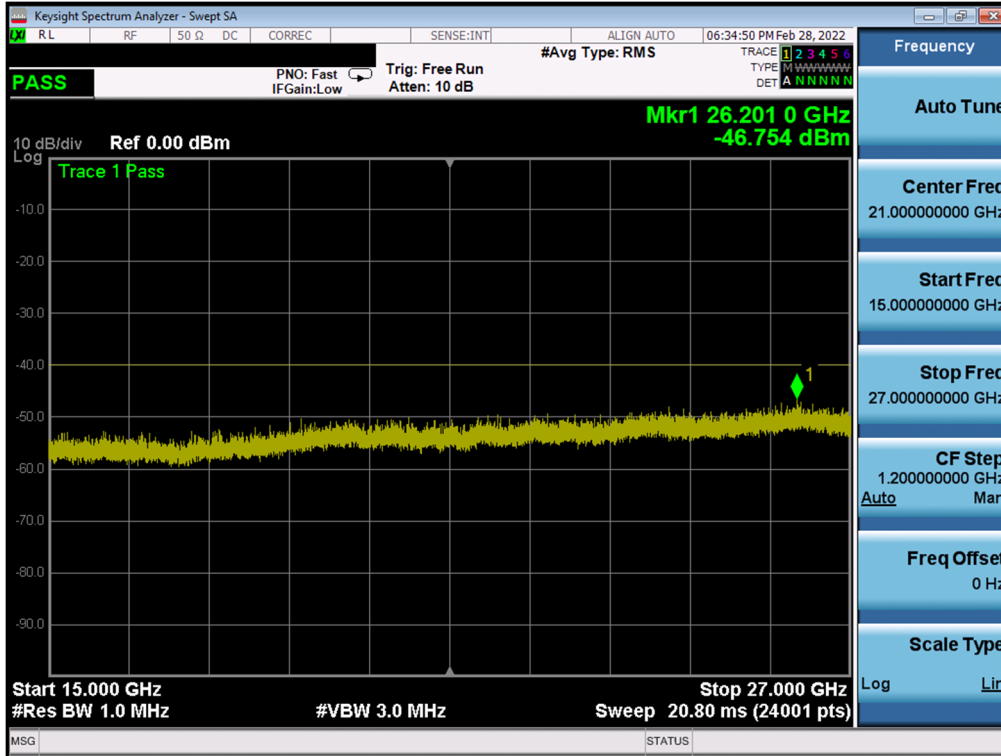


Plot 7-18. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel)

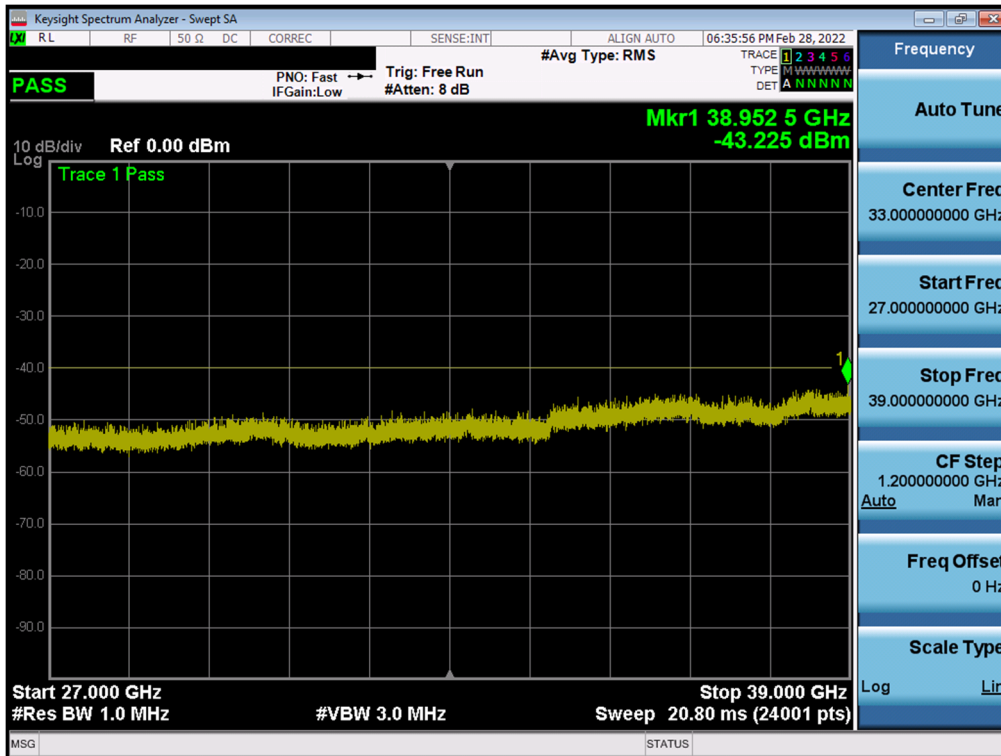


Plot 7-19. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel)

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Plot 7-20. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel)



Plot 7-21. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel)

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7.5 Band Edge Emissions at Antenna Terminal

§2.1051 §96.41(e)(ii)

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 conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B MHz (where B is the bandwidth in MHz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B MHz below the lower CBSD-assigned channel edge. At all frequencies greater than B MHz above the upper CBSD assigned channel edge and less than B MHz below the lower CBSD-assigned channel edge, the conducted power of any end user device emission shall not exceed -25 dBm/MHz. The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

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.



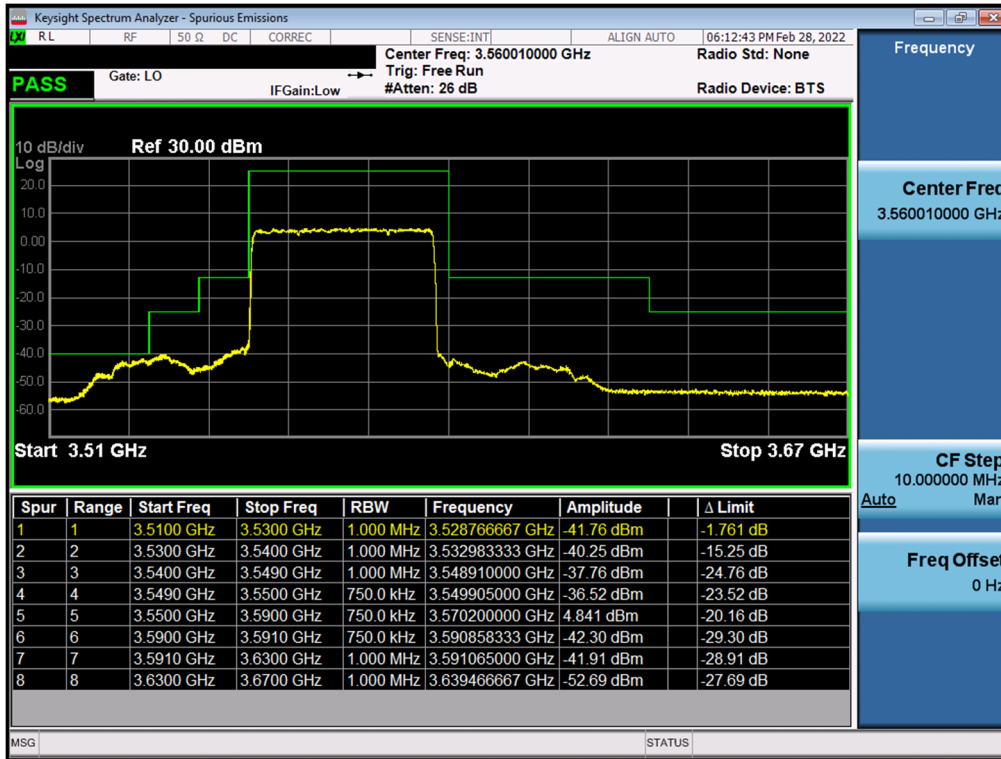
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

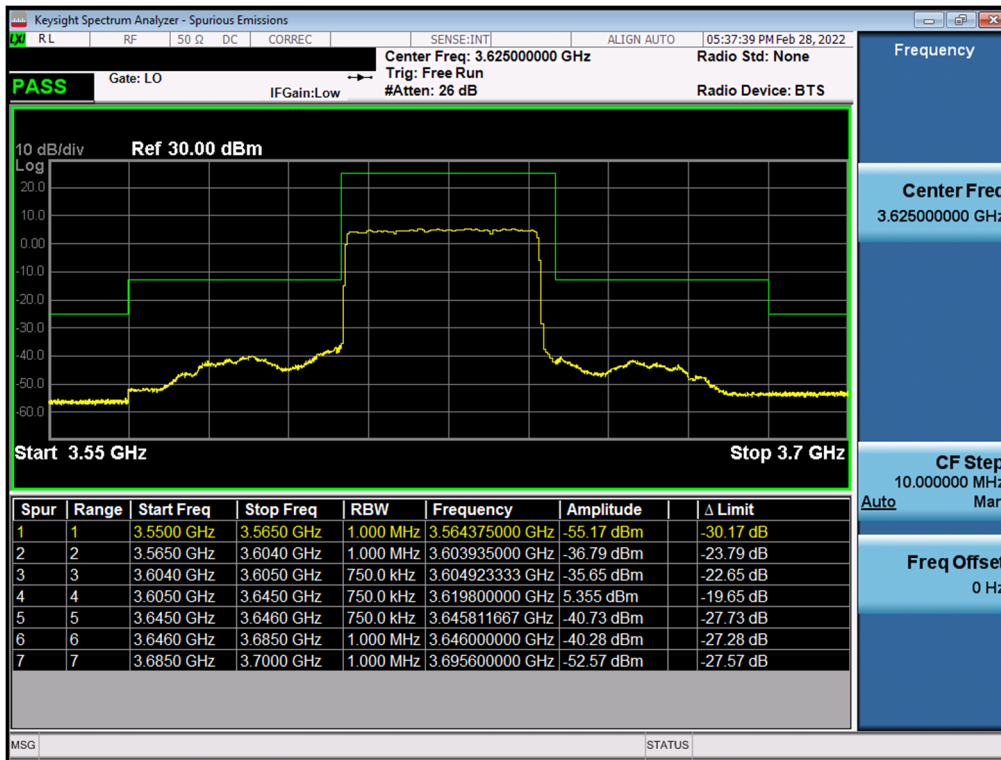
Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, a resolution bandwidth of no less than one percent of the fundamental emission bandwidth may be employed.

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NR Band n48

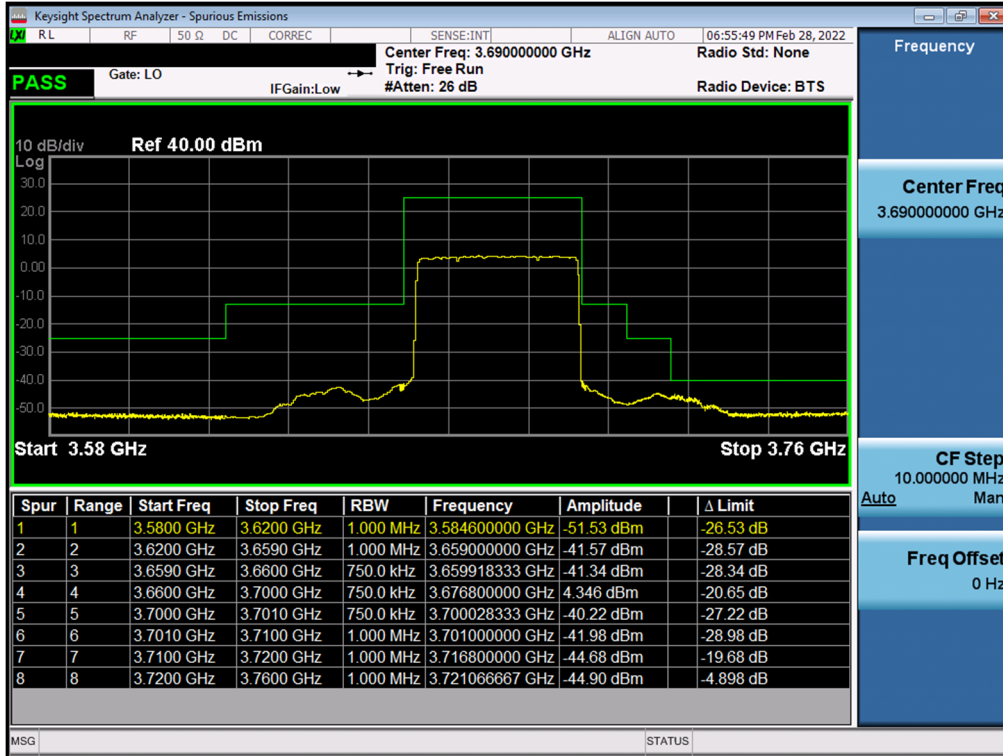


Plot 7-22. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel)

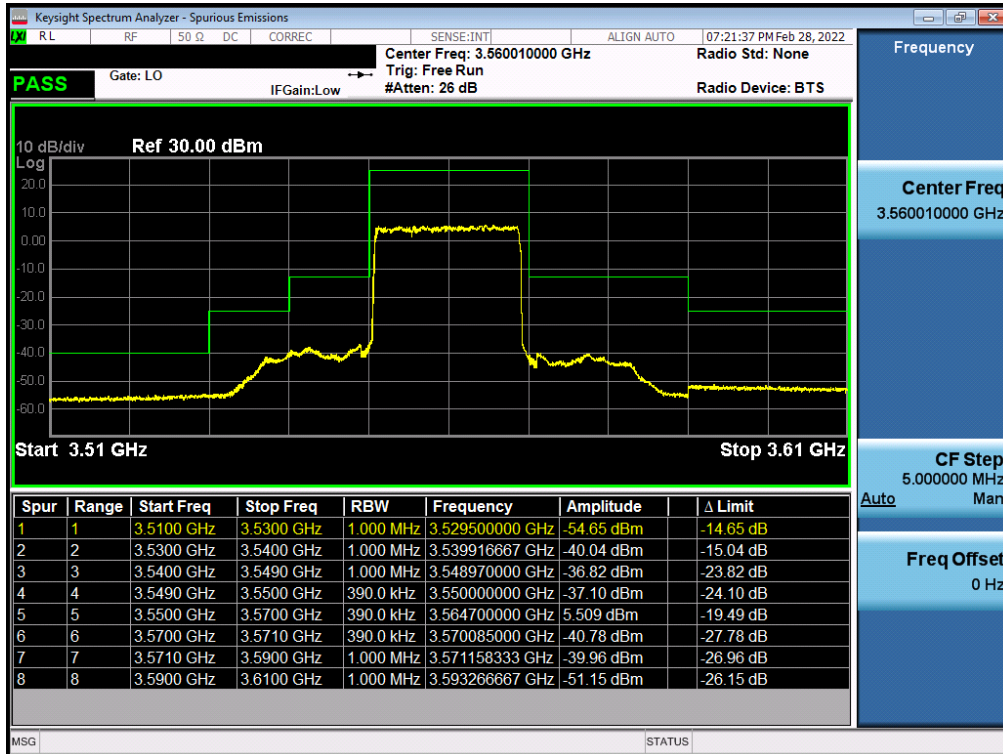


Plot 7-23. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel)

FCC ID: A3LSMG998U	PCTEST Proud to be part of element	PART 96 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
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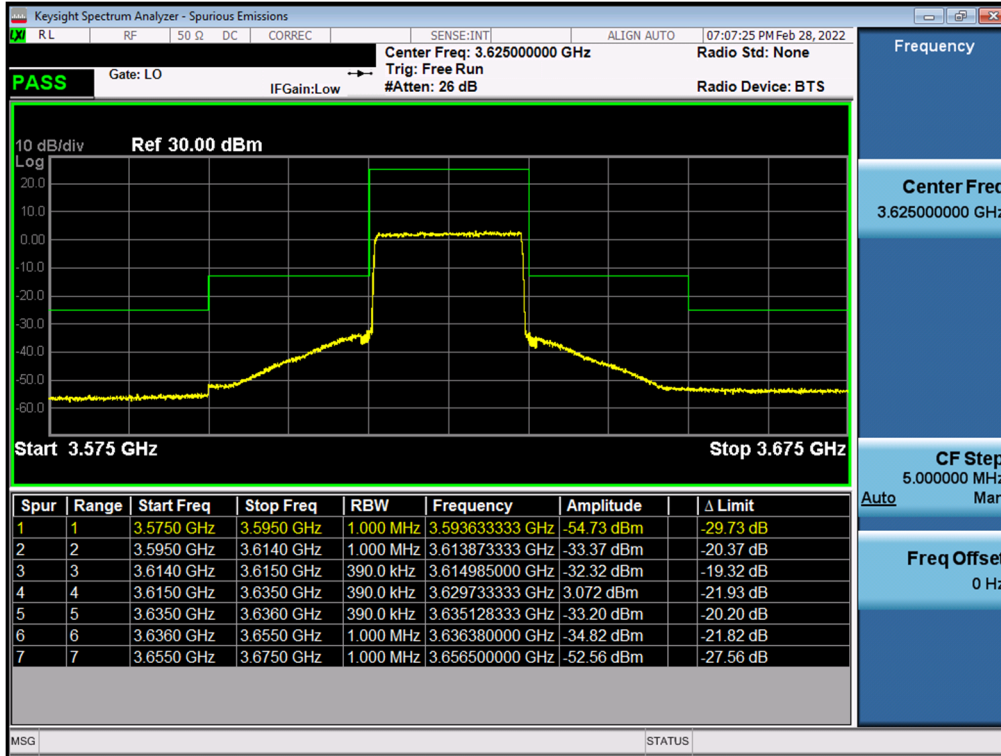


Plot 7-24. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel)

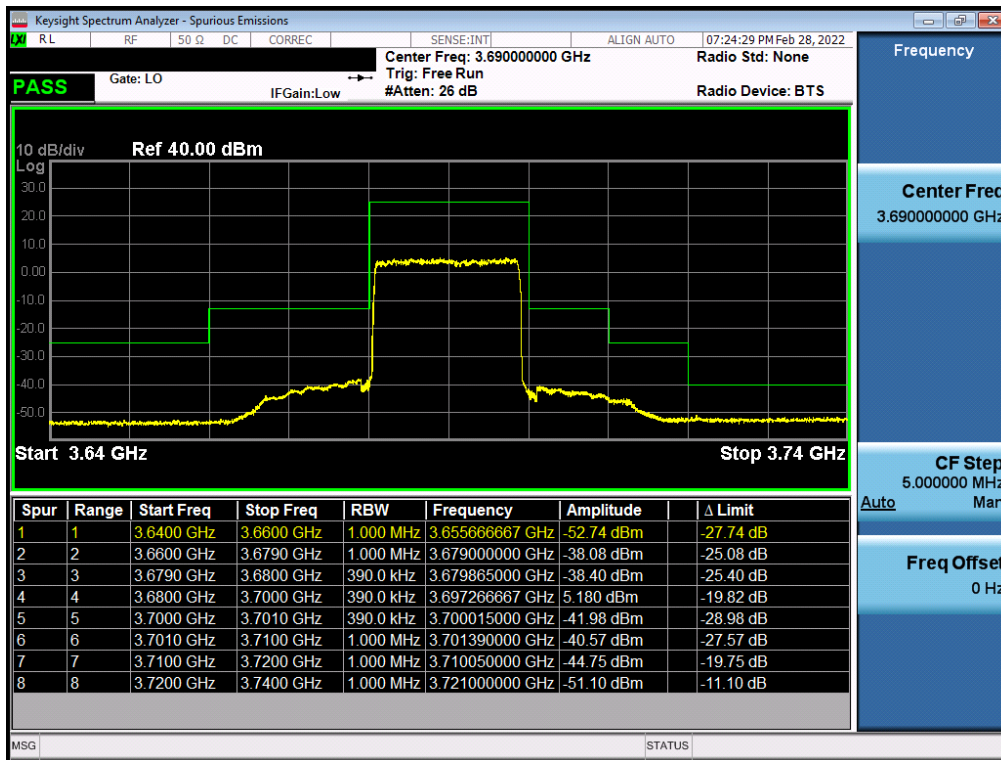


Plot 7-25. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Low Channel)

FCC ID: A3LSMG998U	PCTEST Proud to be part of element	PART 96 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
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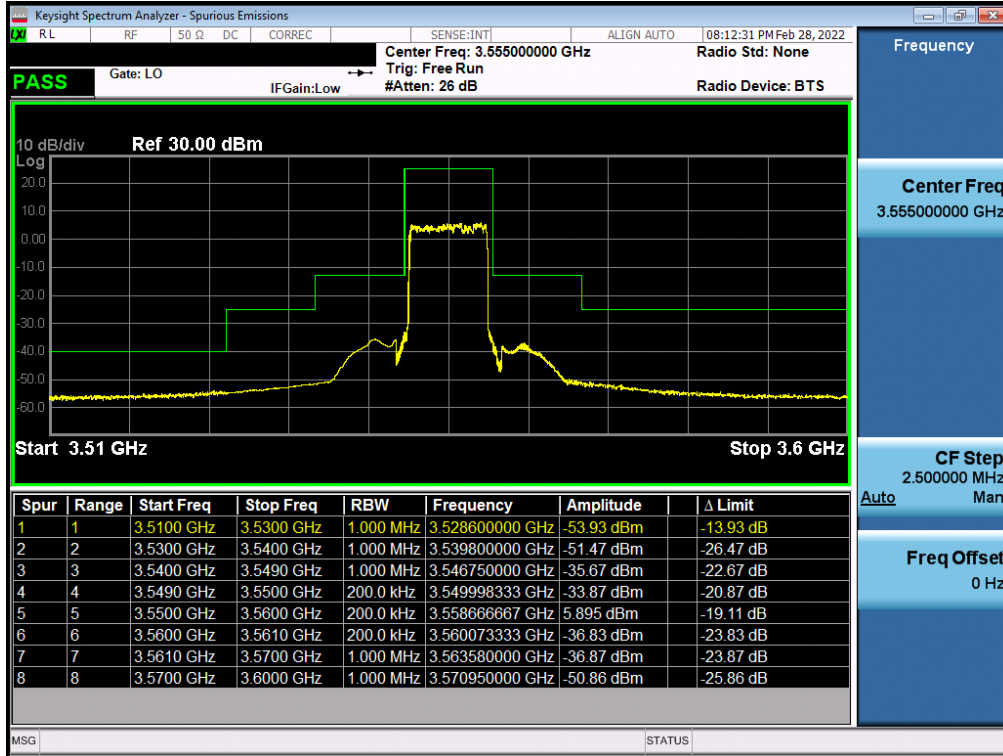


Plot 7-26. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Mid Channel)

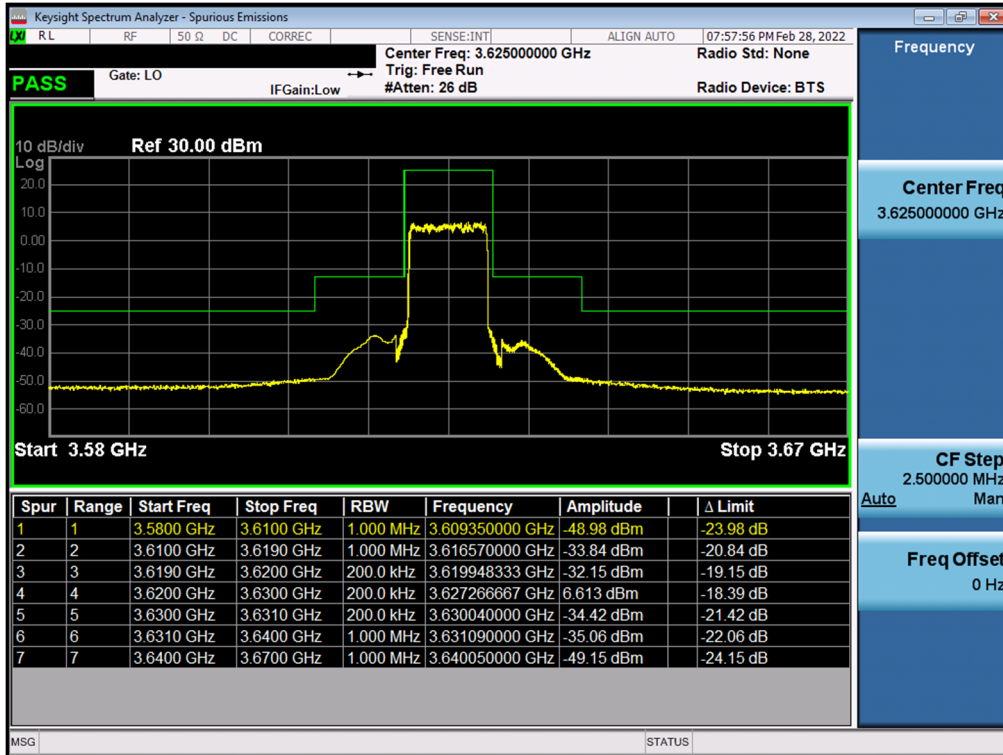


Plot 7-27. Channel Edge Plot (NR Band n48 - 20MHz QPSK - High Channel)

FCC ID: A3LSMG998U	PCTEST Proud to be part of element	PART 96 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2101110004-06.A3L	Test Dates: 2/23/2022 - 3/1/2022, 05/31/2022	EUT Type: Portable Handset		Page 30 of 47

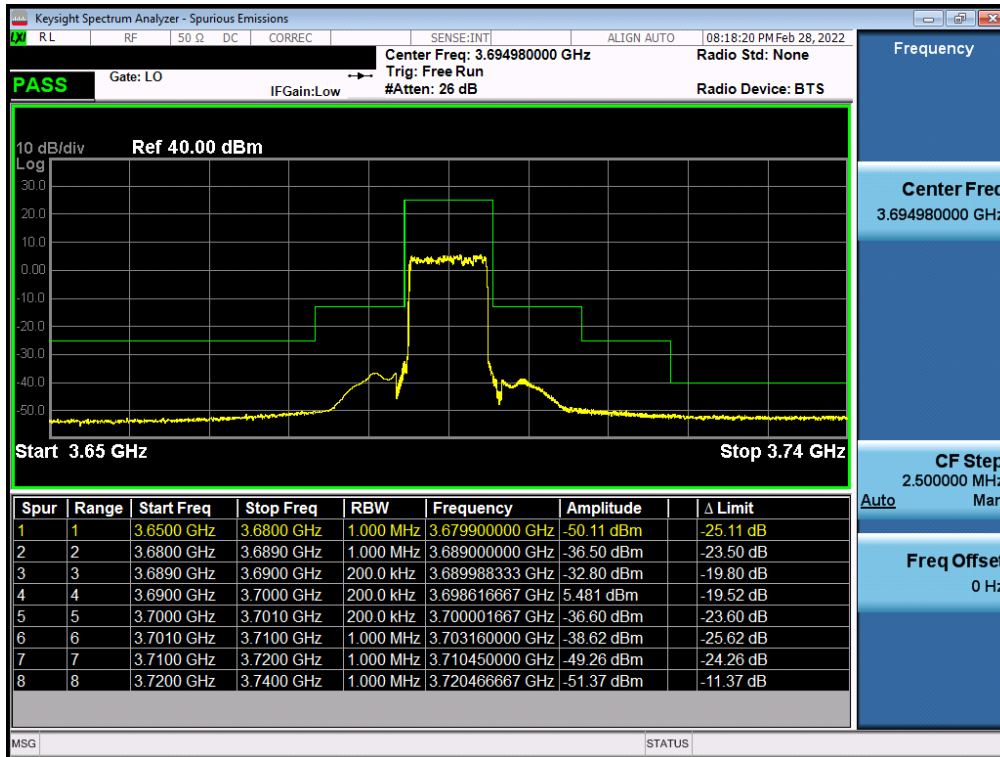


Plot 7-28. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Low Channel)



Plot 7-29. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Mid Channel)

FCC ID: A3LSMG998U	PCTEST Proud to be part of element	PART 96 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
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Plot 7-30. Channel Edge Plot (NR Band n48 - 10MHz QPSK - High Channel)

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