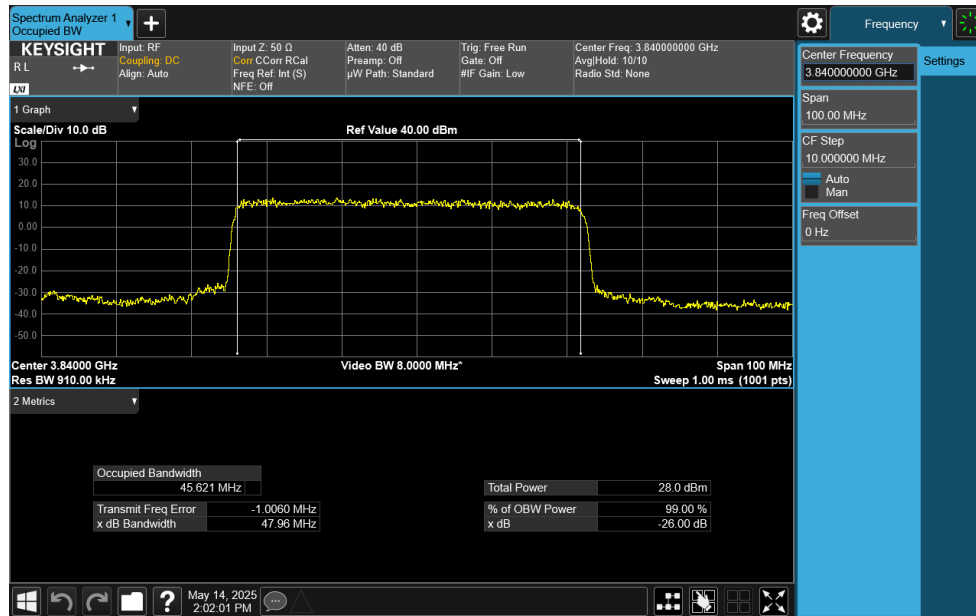
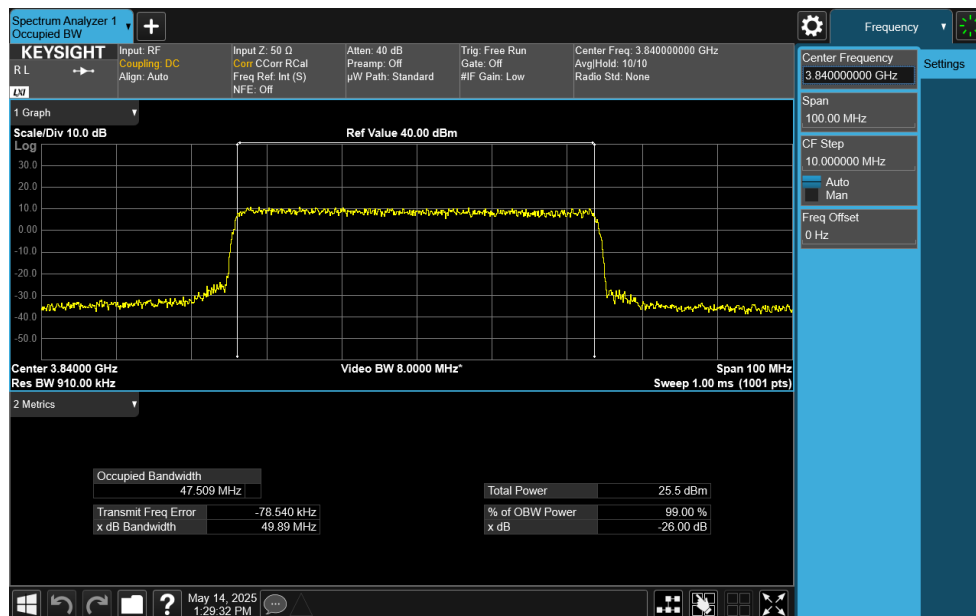




Plot 7-91. Occupied Bandwidth Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

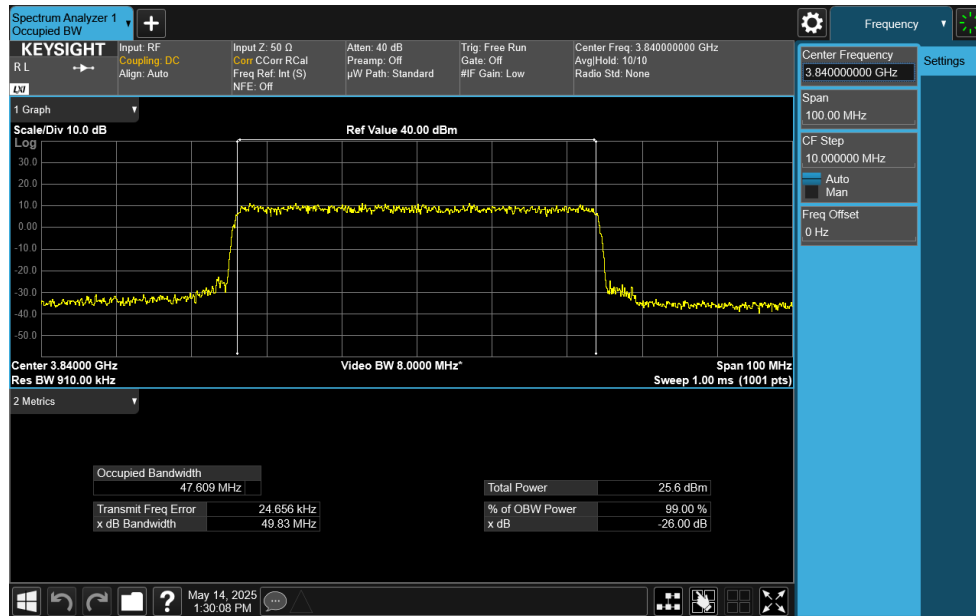


Plot 7-92. Occupied Bandwidth Plot (NR Band n77 C-Band - 50MHz CP-OFDM QPSK - Full RB)

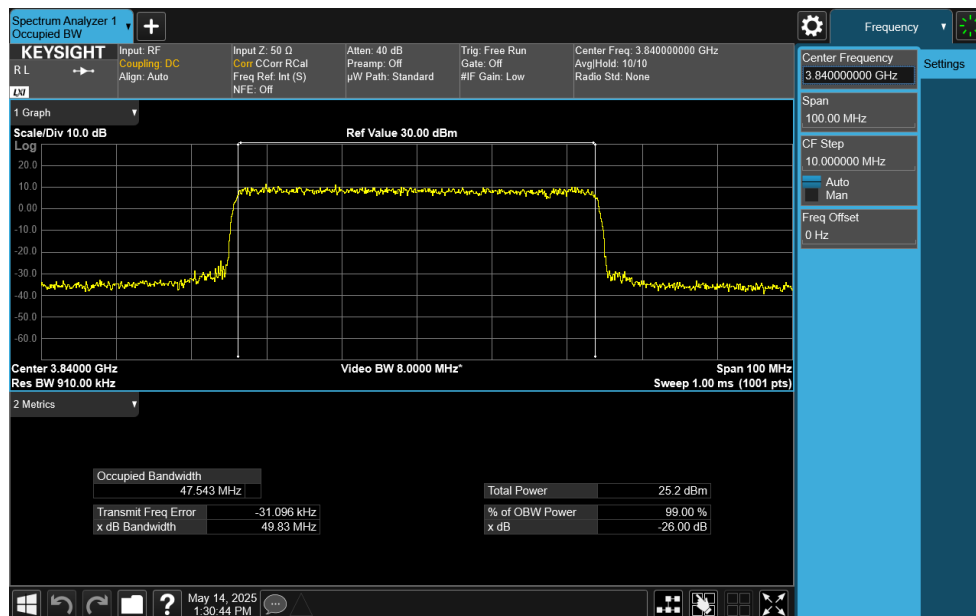
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 62 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-93. Occupied Bandwidth Plot (NR Band n77 C-Band - 50MHz CP-OFDM 16-QAM - Full RB)

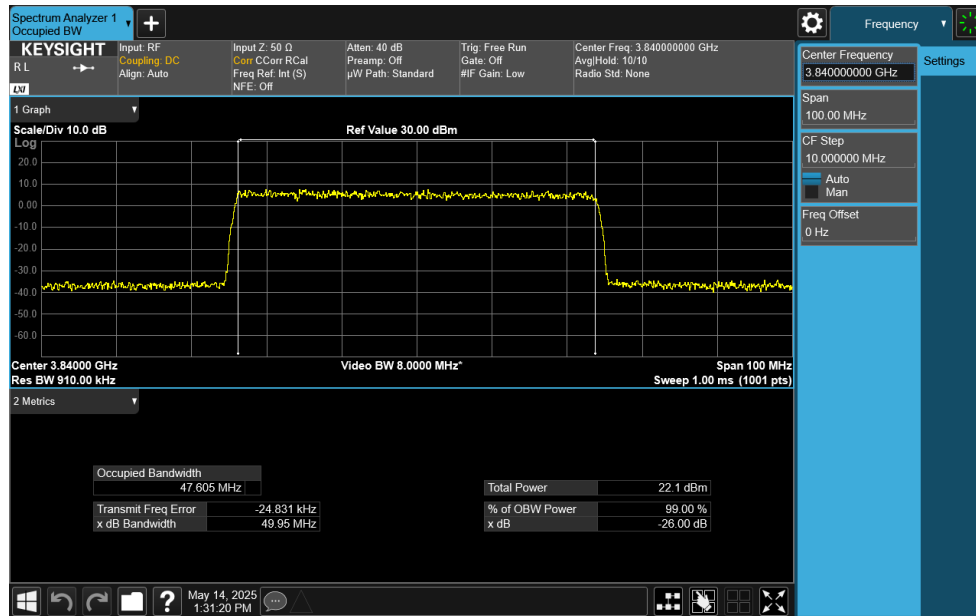


Plot 7-94. Occupied Bandwidth Plot (NR Band n77 C-Band - 50MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 63 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-95. Occupied Bandwidth Plot (NR Band n77 C-Band - 50MHz CP-OFDM 256-QAM - Full RB)

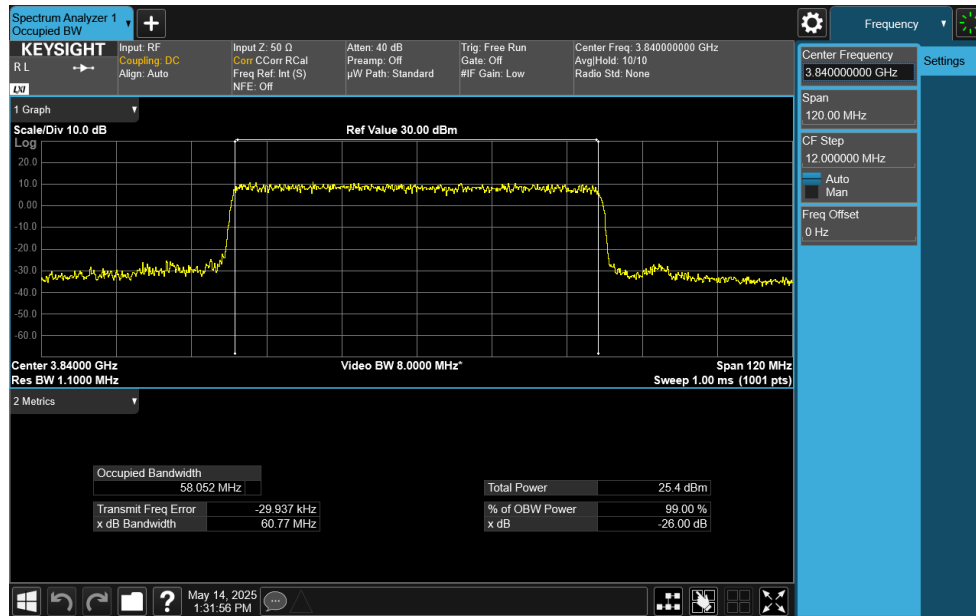


Plot 7-96. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

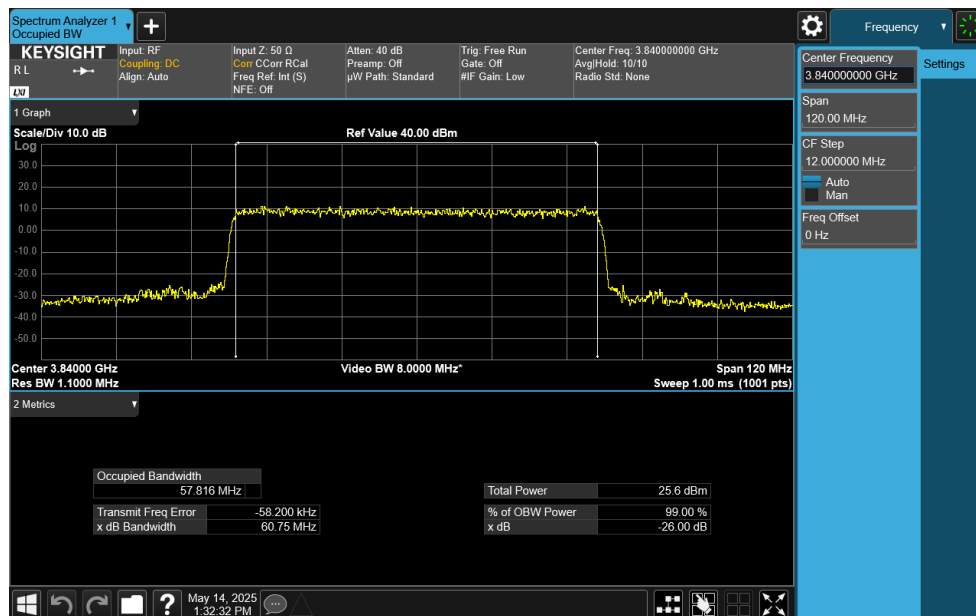
FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 64 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-97. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM QPSK - Full RB)

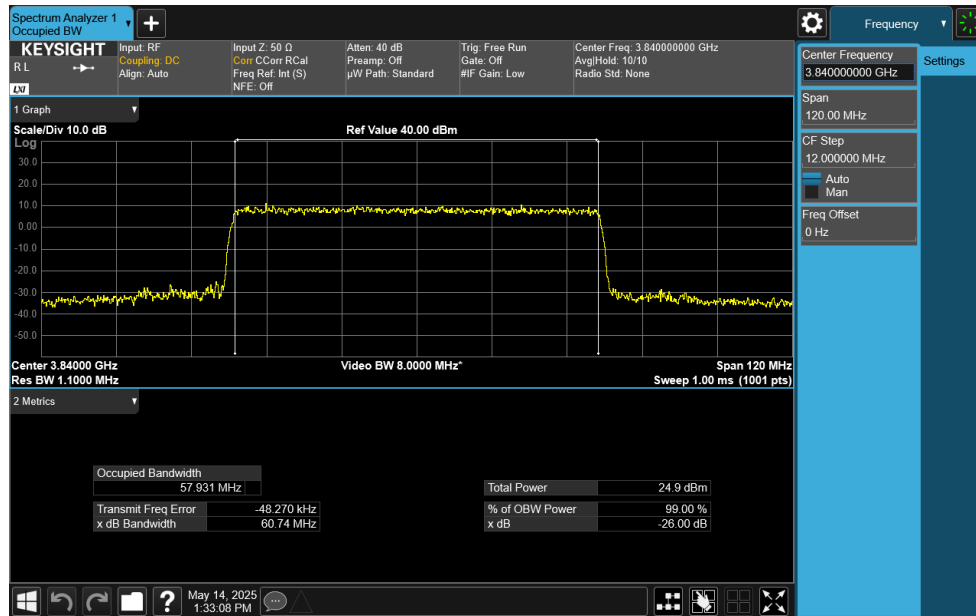


Plot 7-98. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 16-QAM - Full RB)

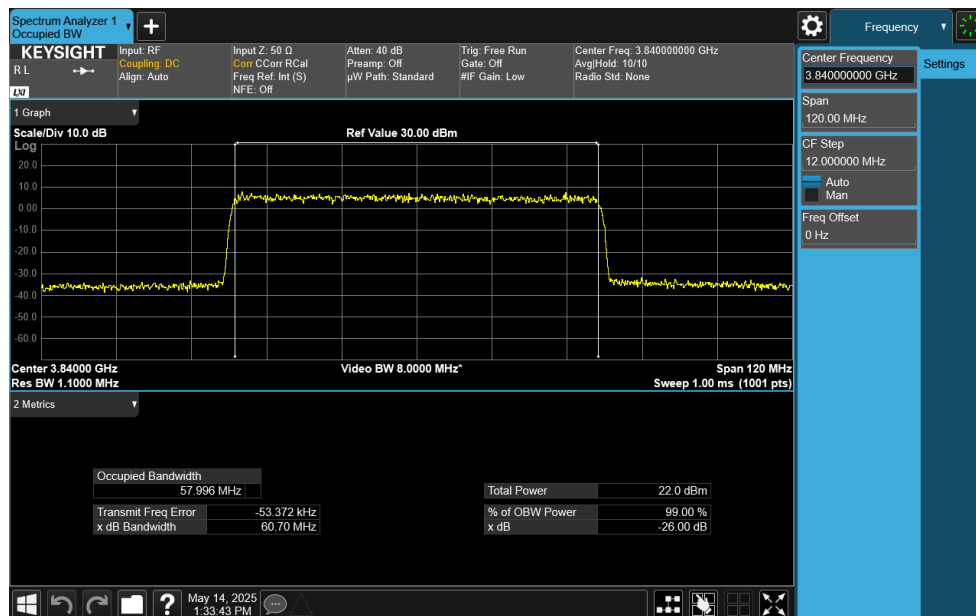
FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 65 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-99. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 64-QAM - Full RB)

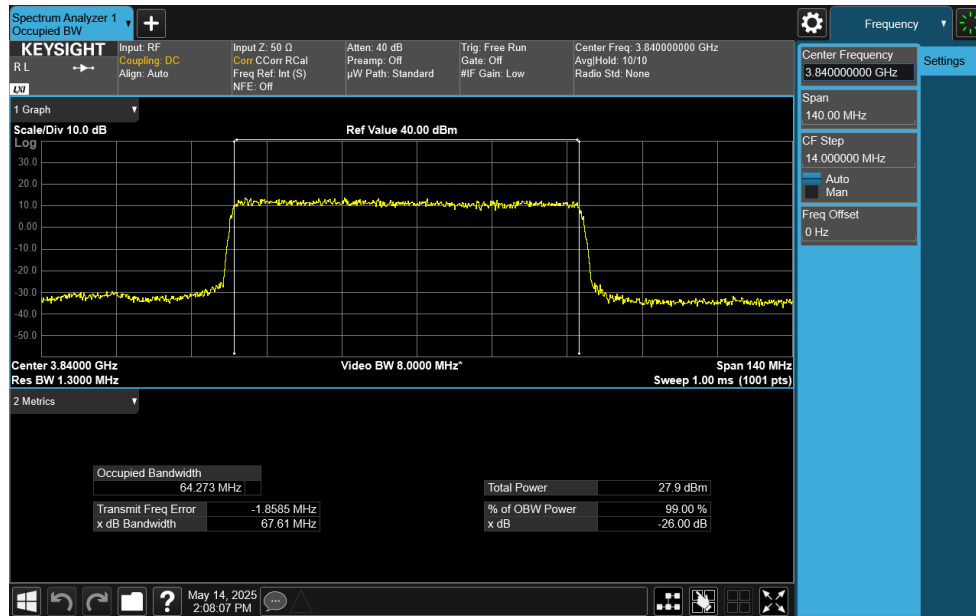


Plot 7-100. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 256-QAM - Full RB)

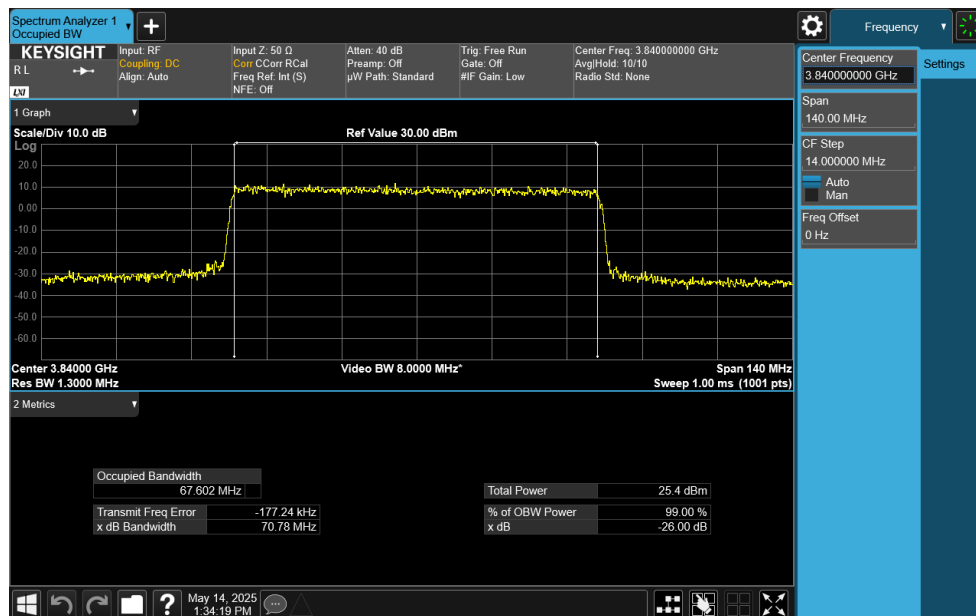
FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 66 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-101. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

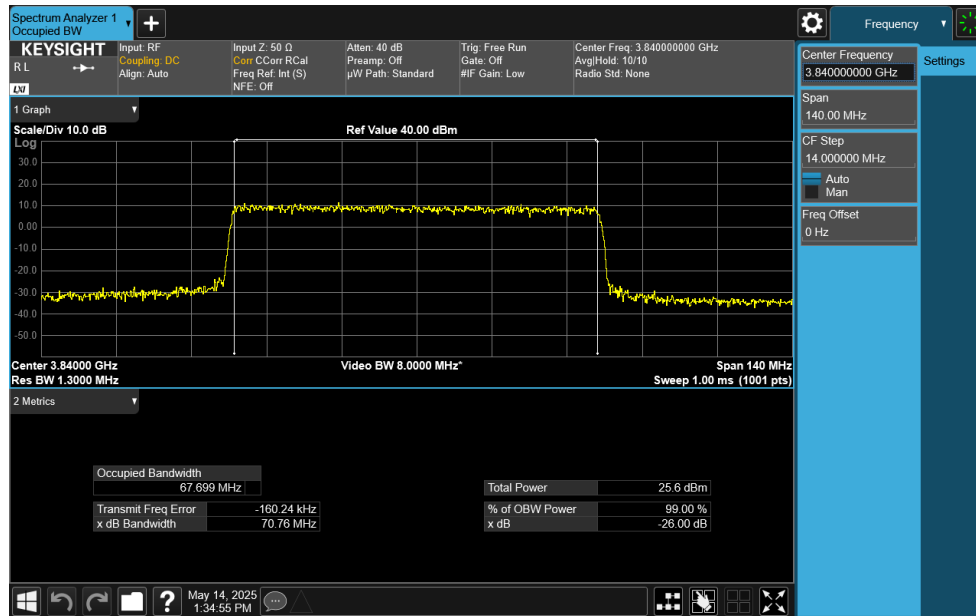


Plot 7-102. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM QPSK - Full RB)

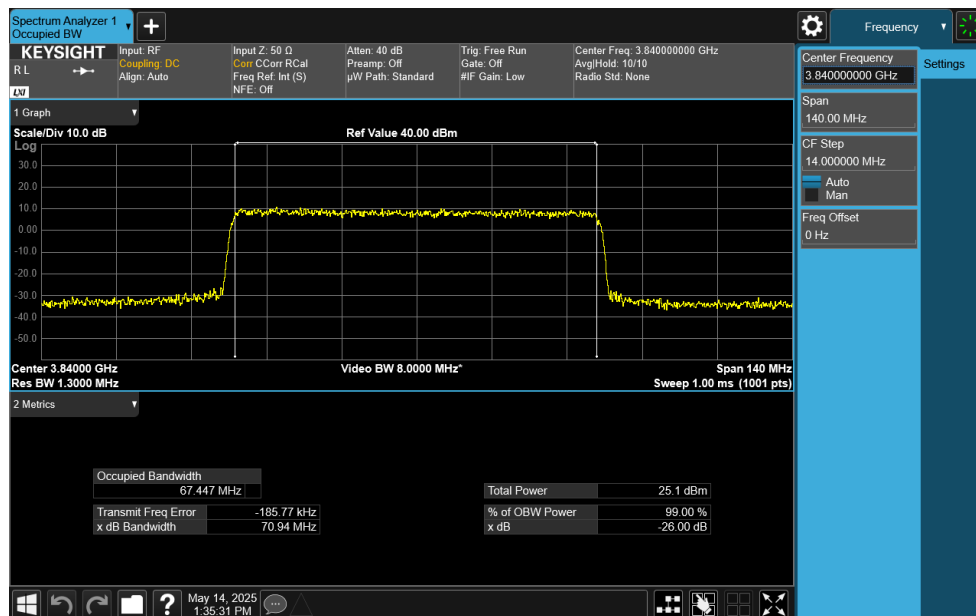
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 67 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-103. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 16-QAM - Full RB)

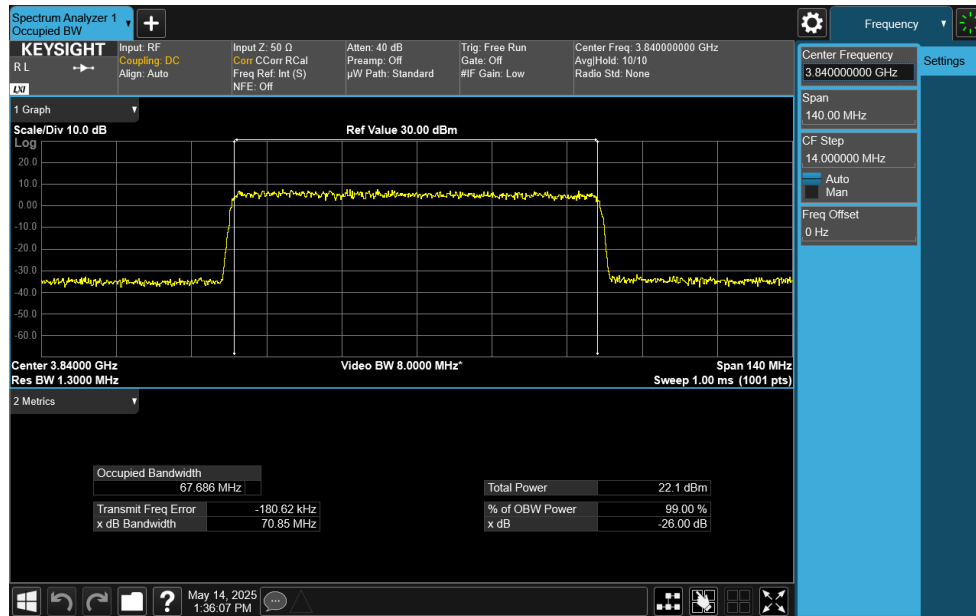


Plot 7-104. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 64-QAM - Full RB)

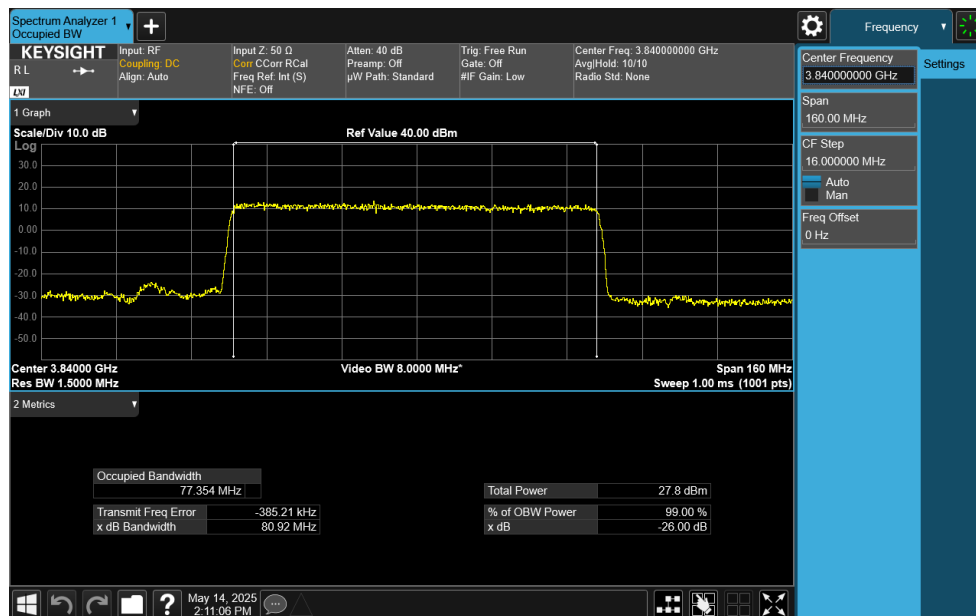
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 68 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-105. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 256-QAM - Full RB)

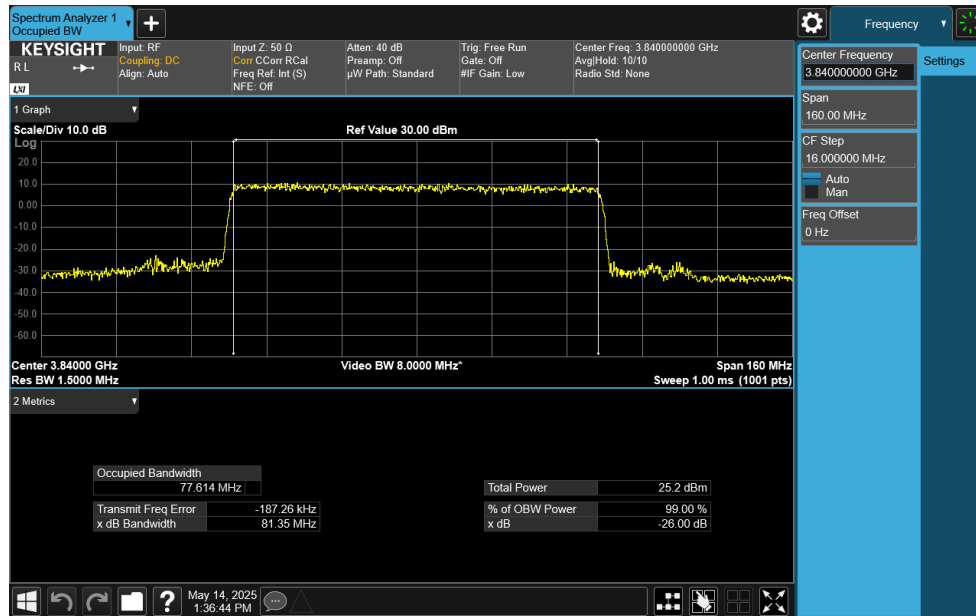


Plot 7-106. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

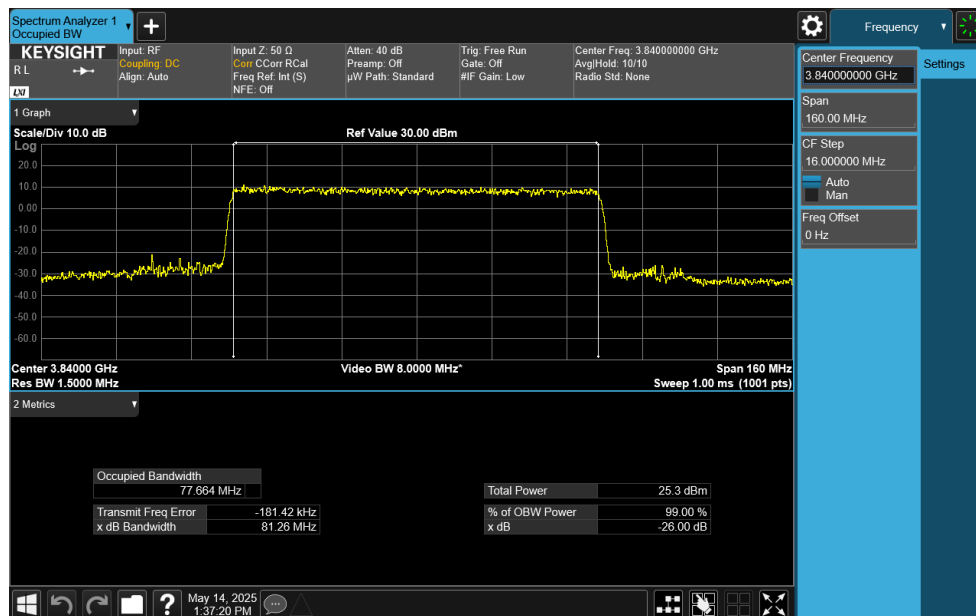
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 69 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-107. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM QPSK - Full RB)

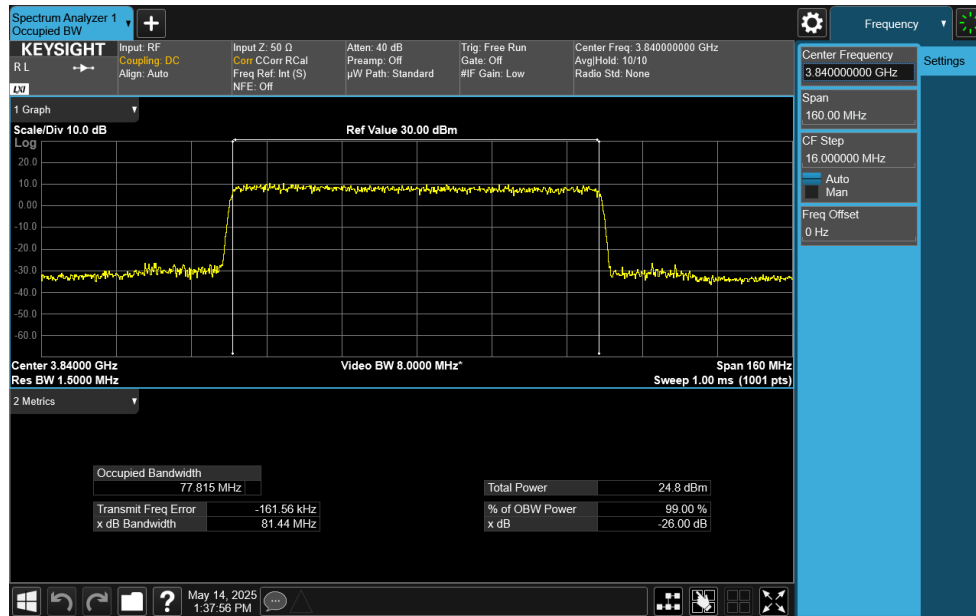


Plot 7-108. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 16-QAM - Full RB)

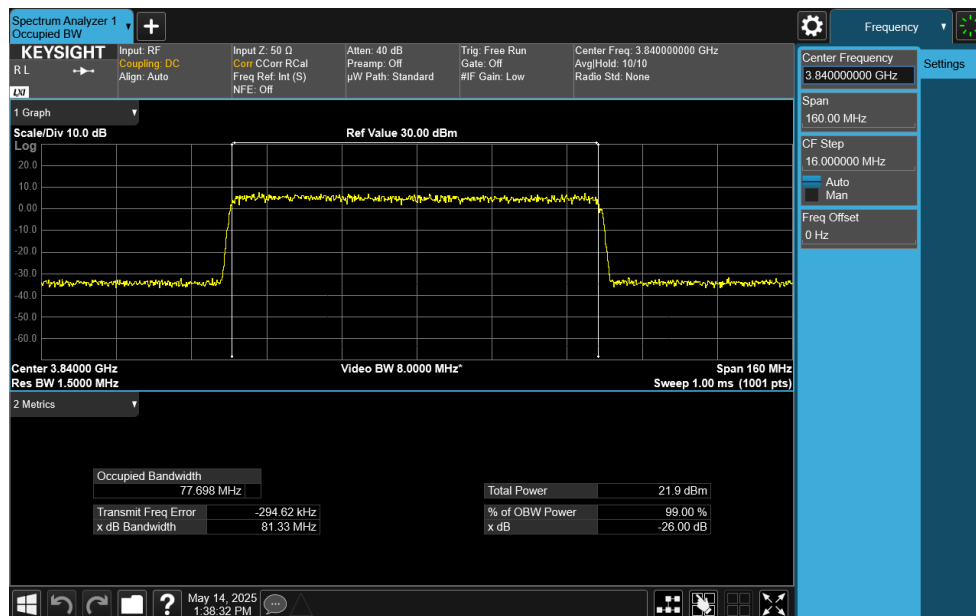
FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 70 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-109. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 64-QAM - Full RB)

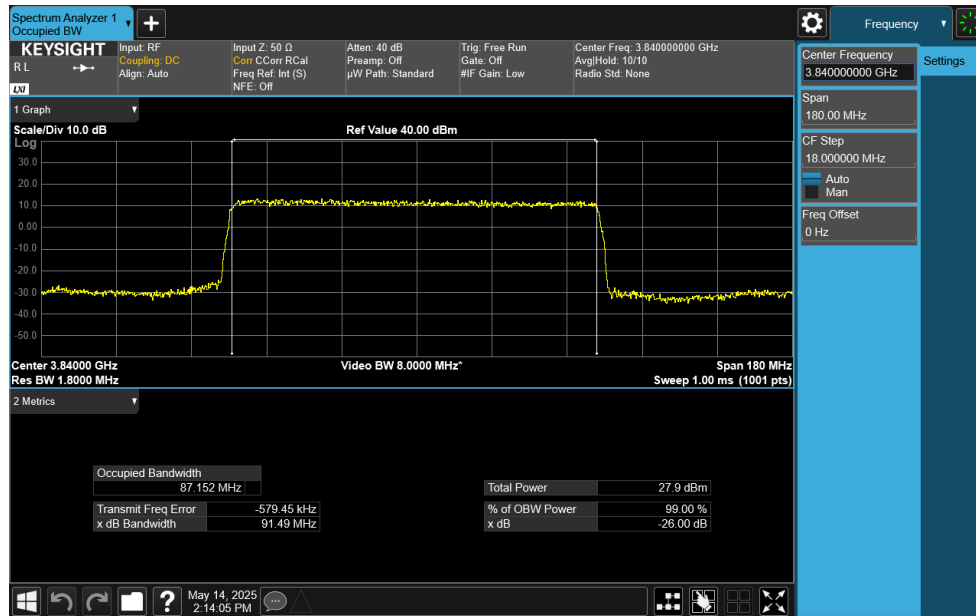


Plot 7-110. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 71 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-111. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

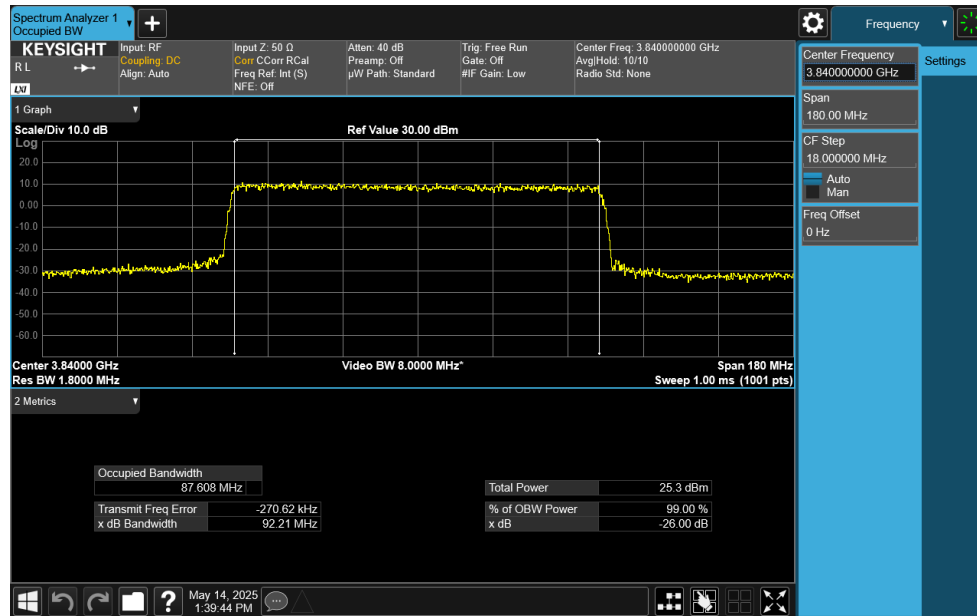


Plot 7-112. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM QPSK - Full RB)

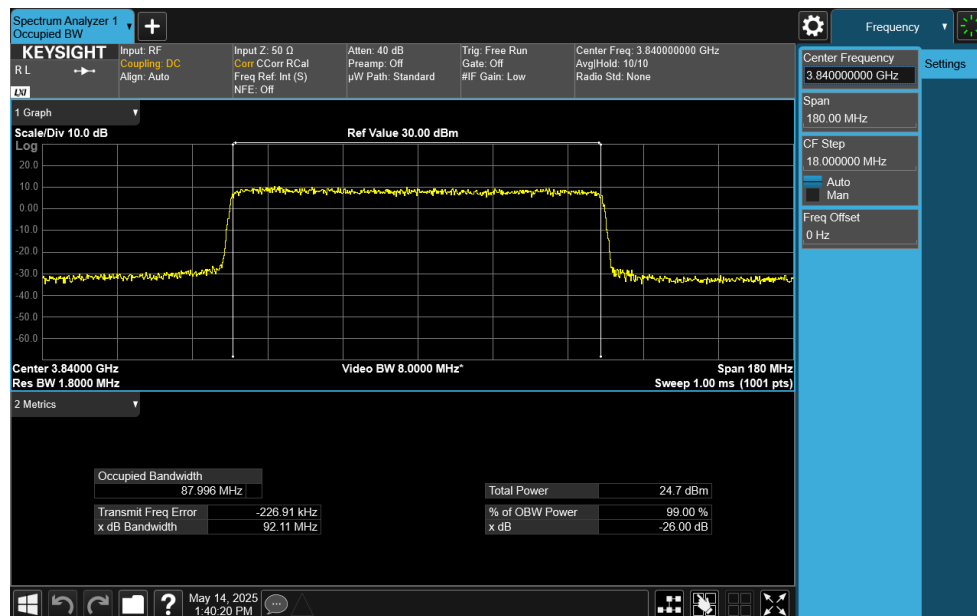
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 72 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

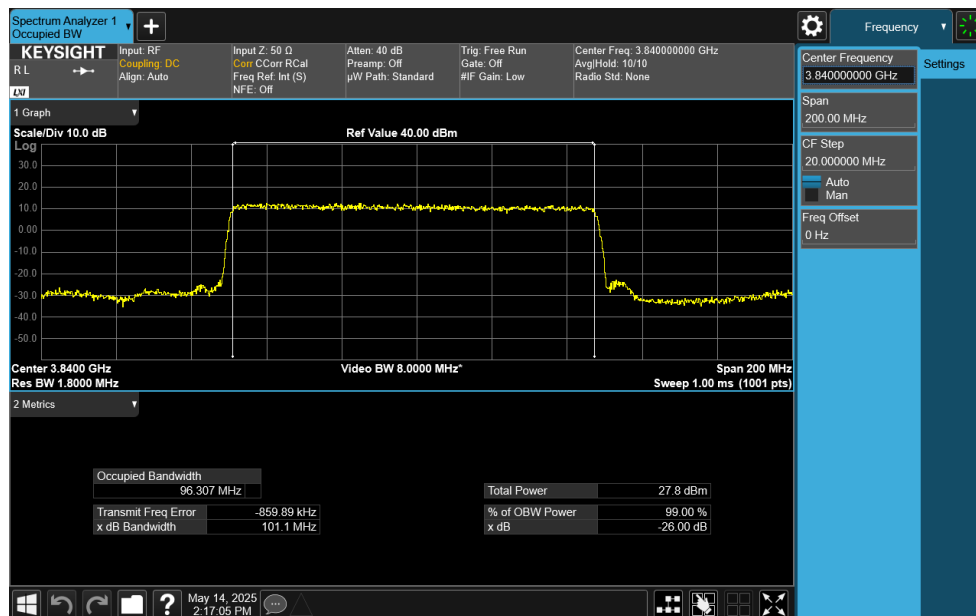
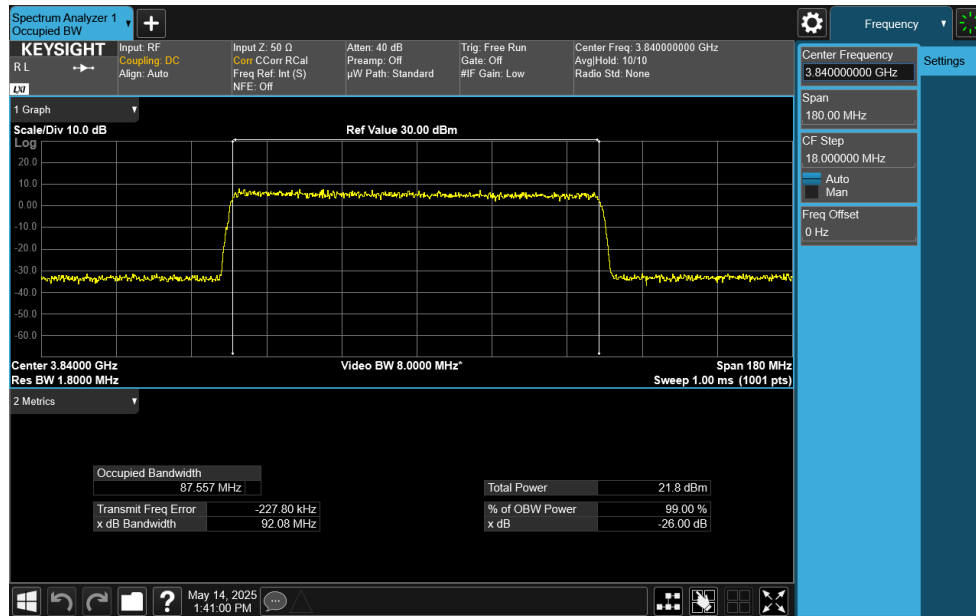


Plot 7-113. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 16-QAM - Full RB)



Plot 7-114. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 64-QAM - Full RB)

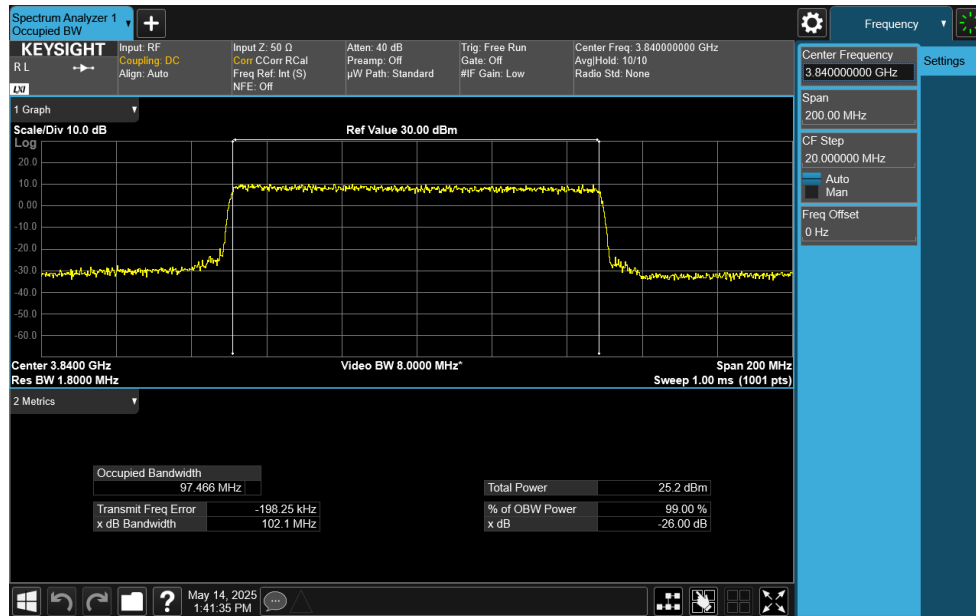
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 73 of 257



FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 74 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-117. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM QPSK - Full RB)

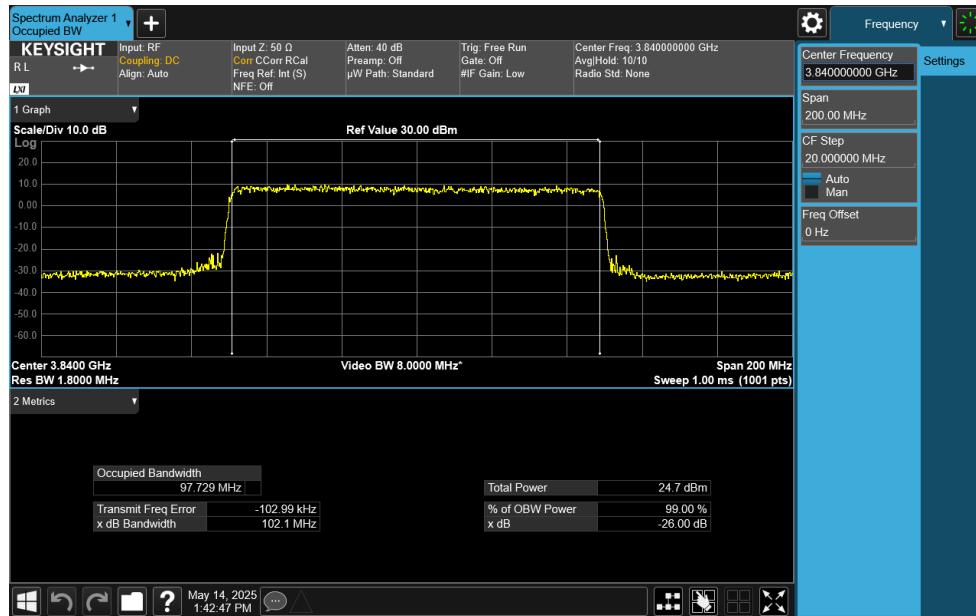


Plot 7-118. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 16-QAM - Full RB)

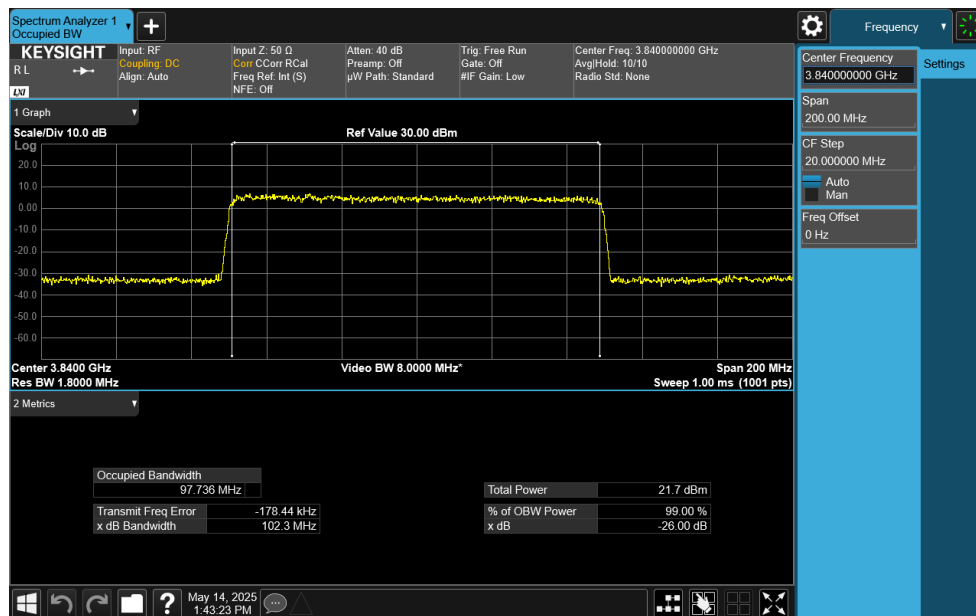
FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 75 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-119. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 64-QAM - Full RB)



Plot 7-120. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 76 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.3 Spurious and Harmonic Emissions at Antenna Terminal

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

Test Overview and Limit

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 10th 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.

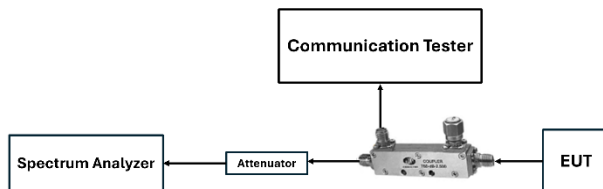


Figure 7-3. LTE Test Instrument & Measurement Setup

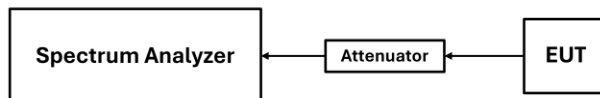


Figure 7-4. FR1 Test Instrument & Measurement Setup

FCC ID: BCGA3358		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 77 of 257

V2.2 09/07/2023

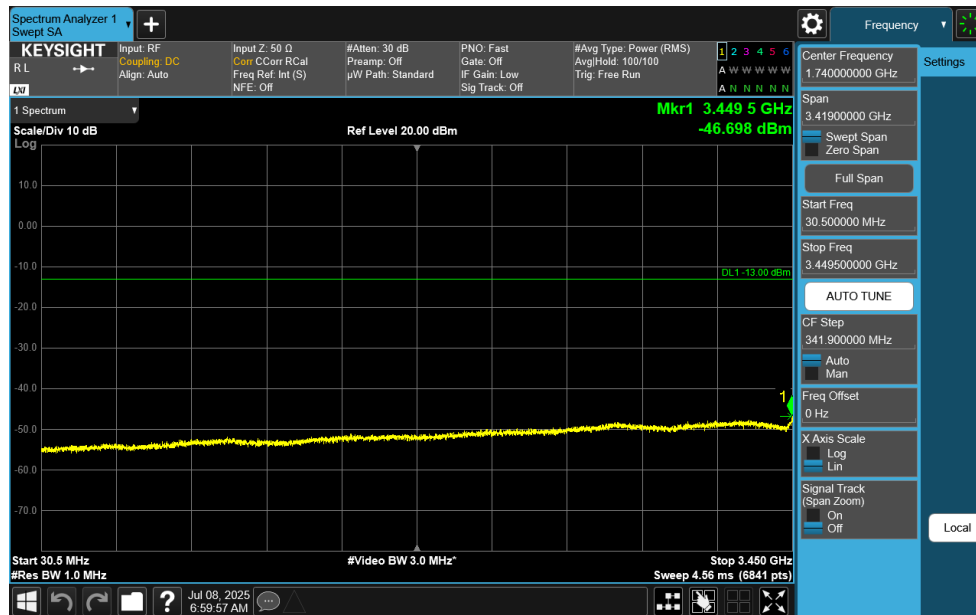
Test Notes

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.

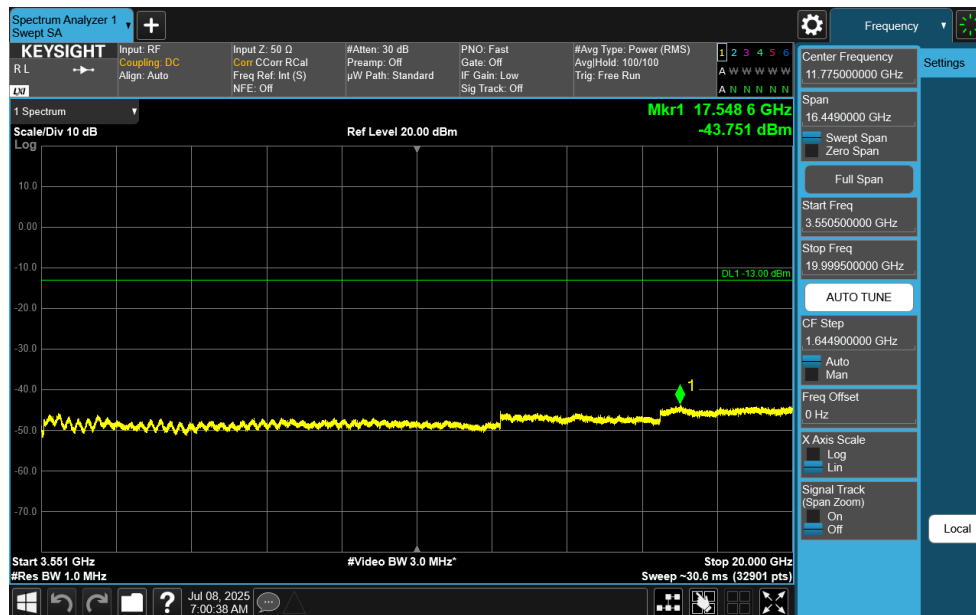
FCC ID: BCGA3358		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 78 of 257

V2.2 09/07/2023

NR Band n77 PC2 DoD-Band



Plot 7-121. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Low Channel)

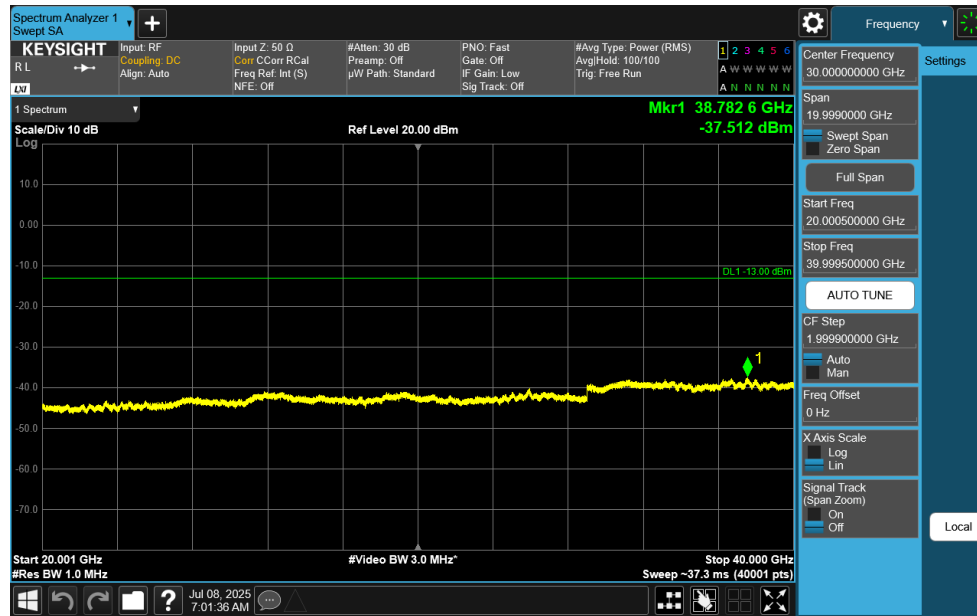


Plot 7-122. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Low Channel)

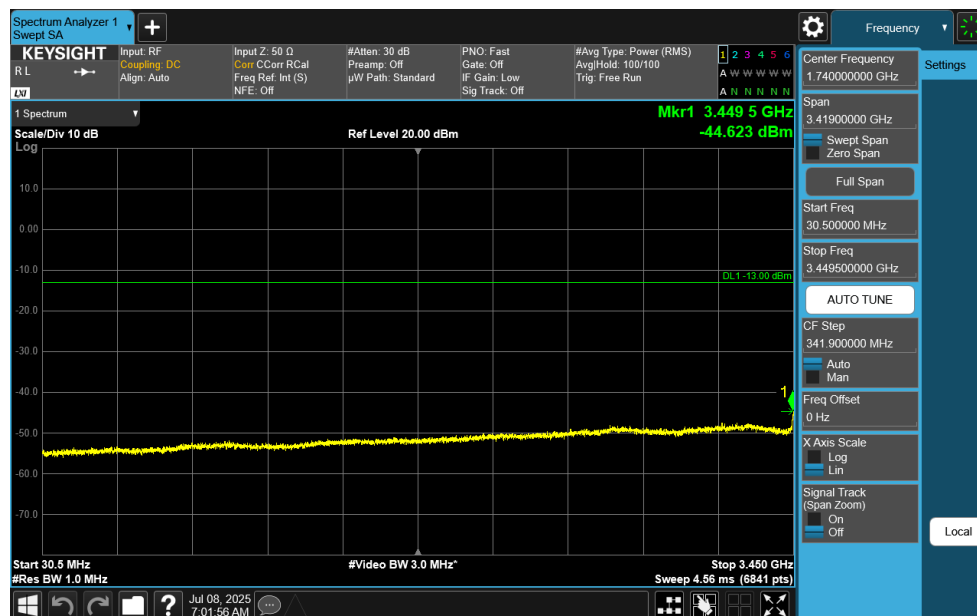
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 79 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-123. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Low Channel)

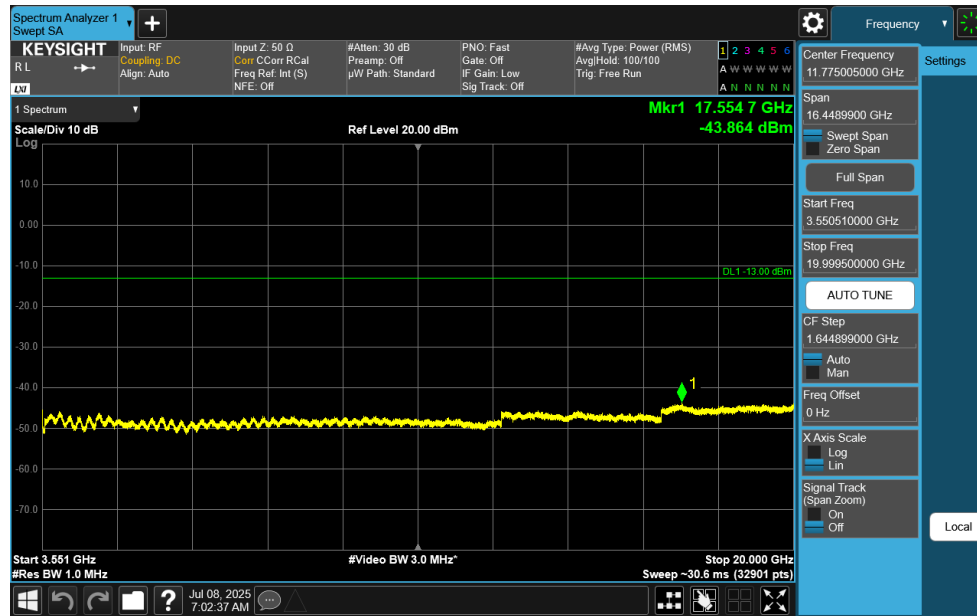


Plot 7-124. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)

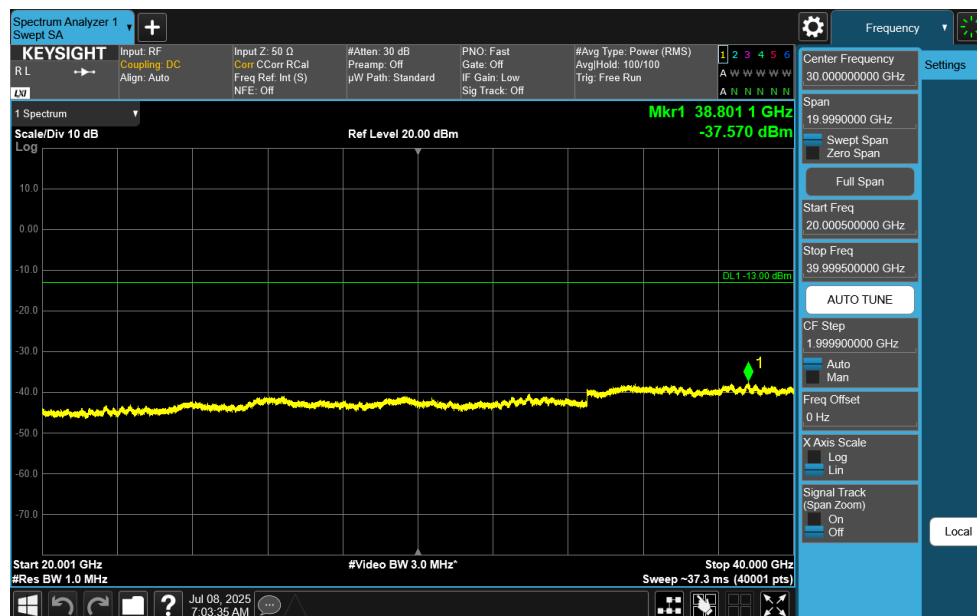
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 80 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-125. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)

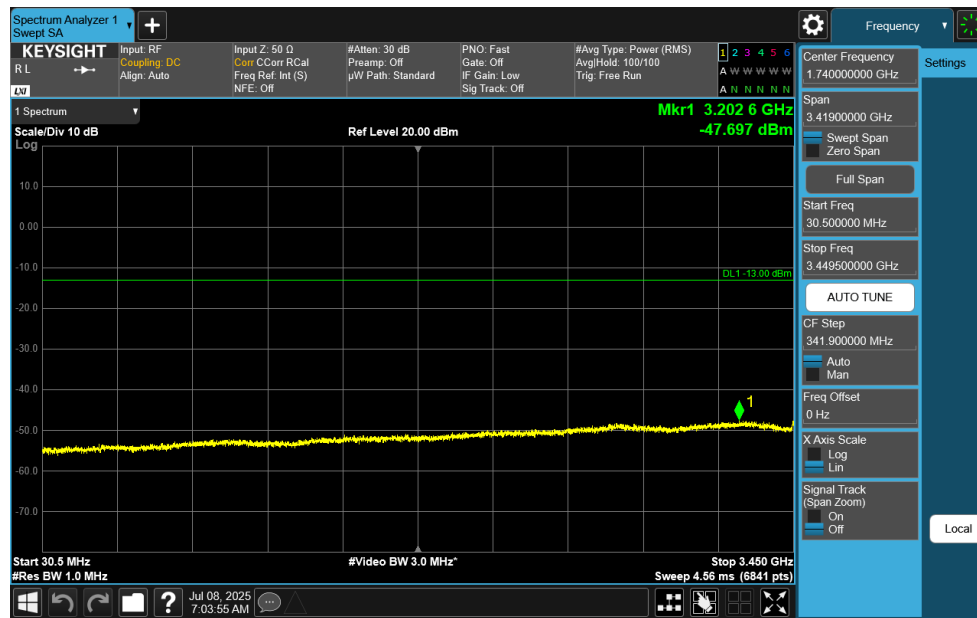


Plot 7-126. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)

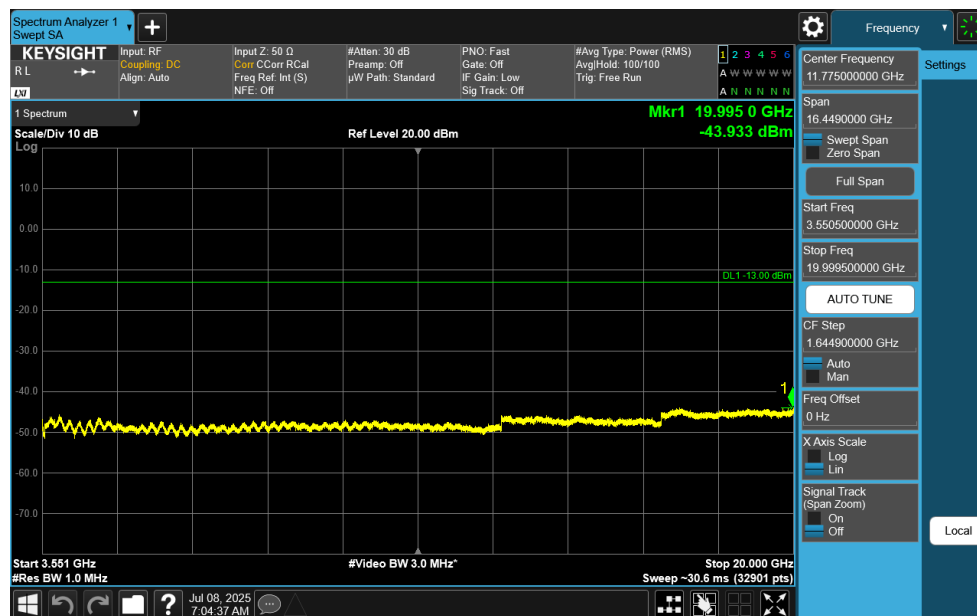
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 81 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-127. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)

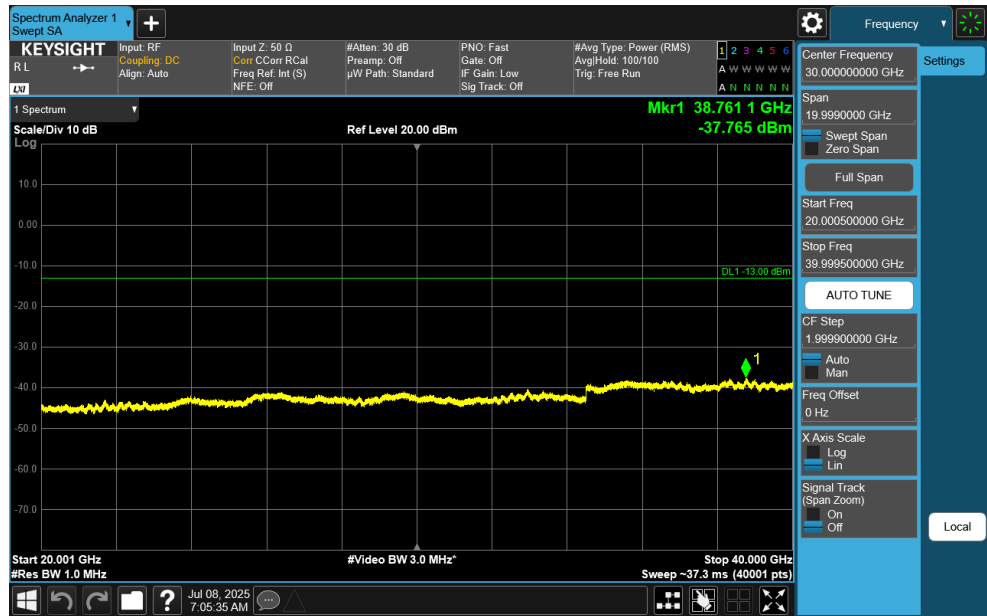


Plot 7-128. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 82 of 257

V2.2 09/07/2023

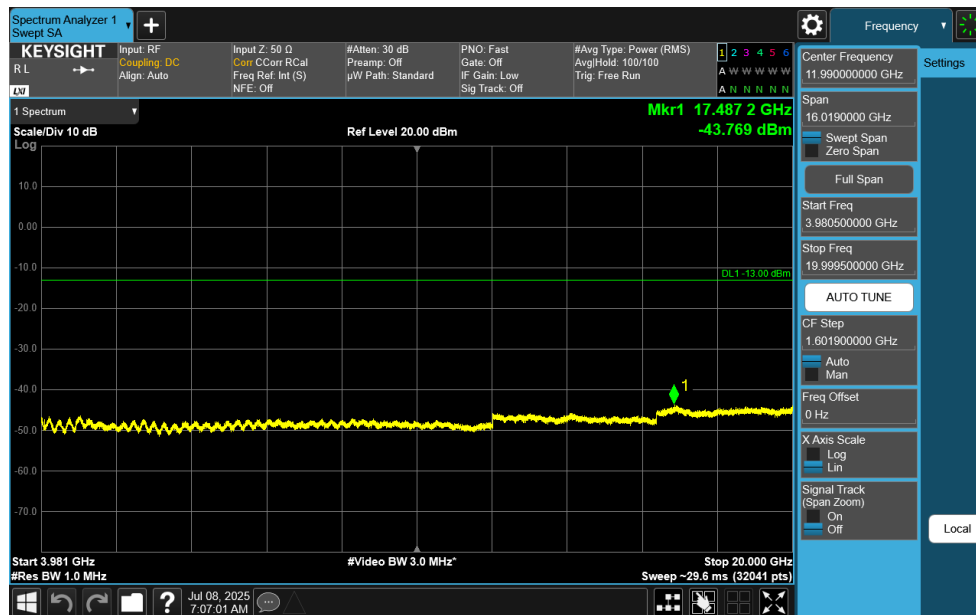
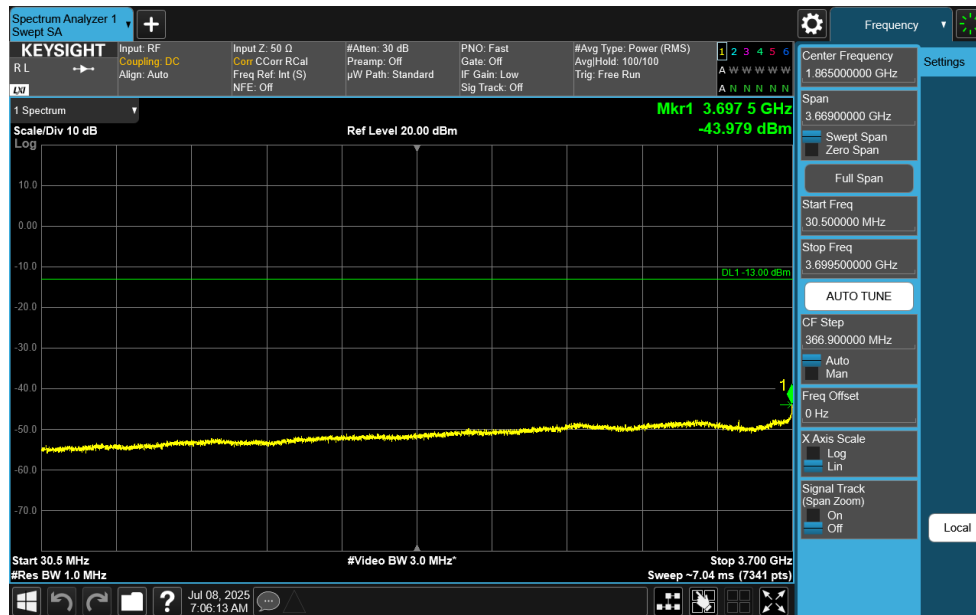
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-129. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 83 of 257

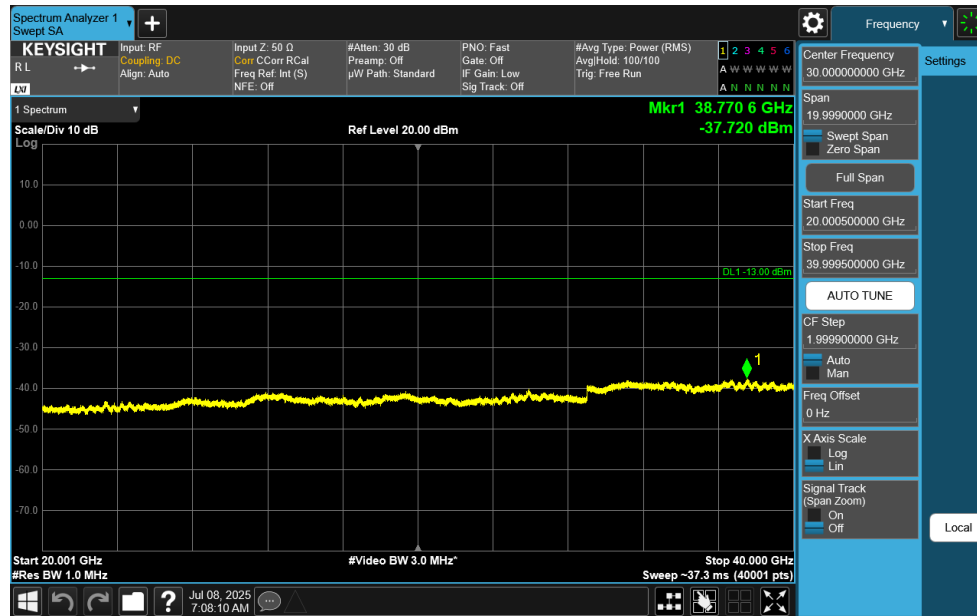
NR Band n77 PC2 C-Band



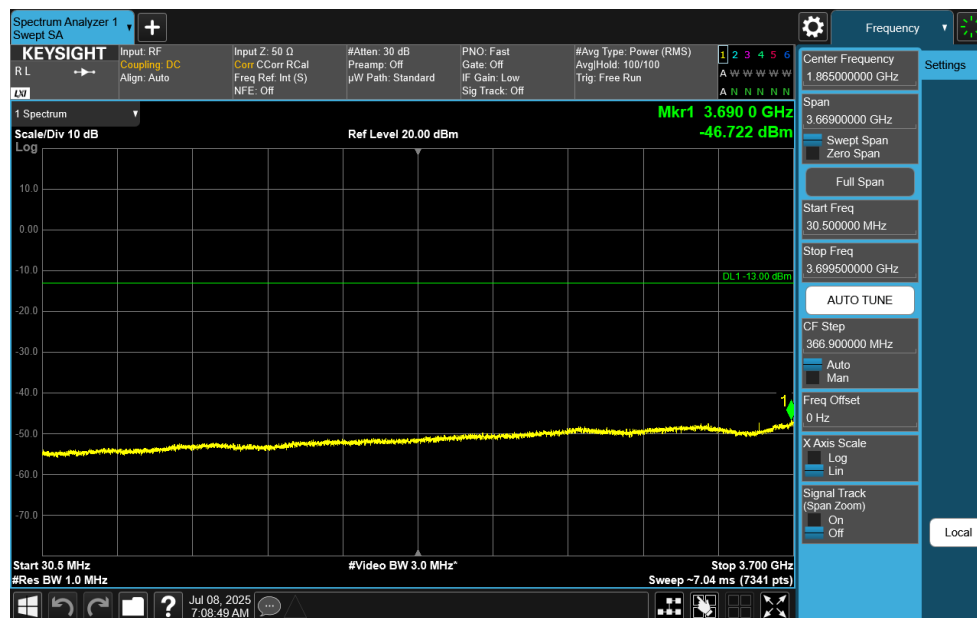
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 84 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-132. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Low Channel)

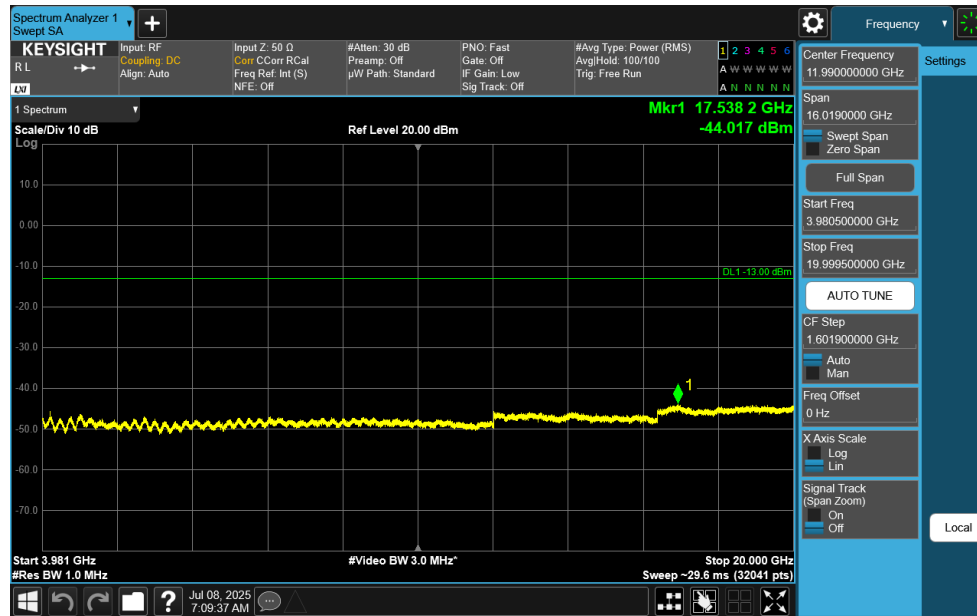


Plot 7-133. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)

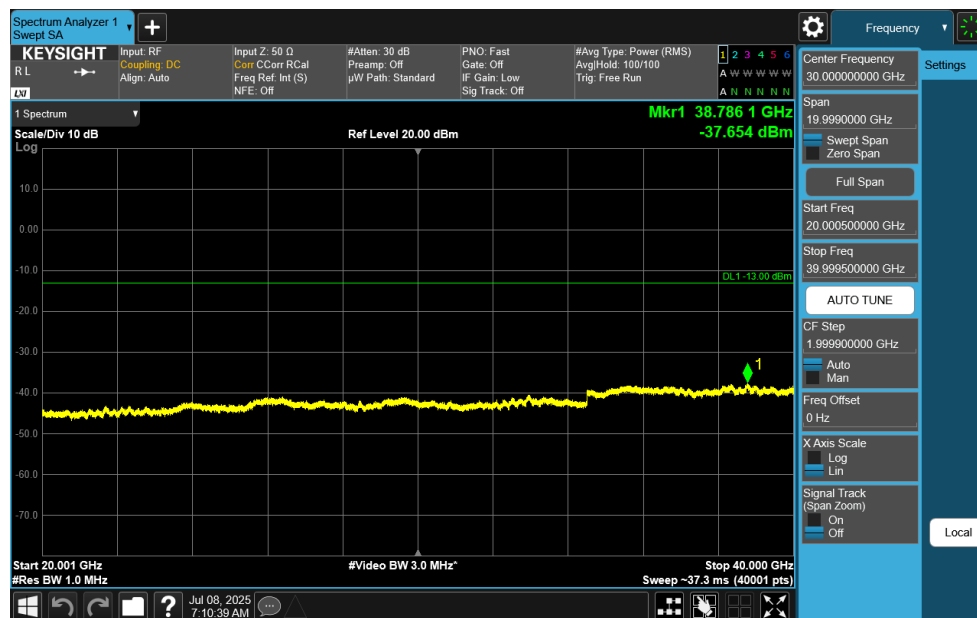
FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 85 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



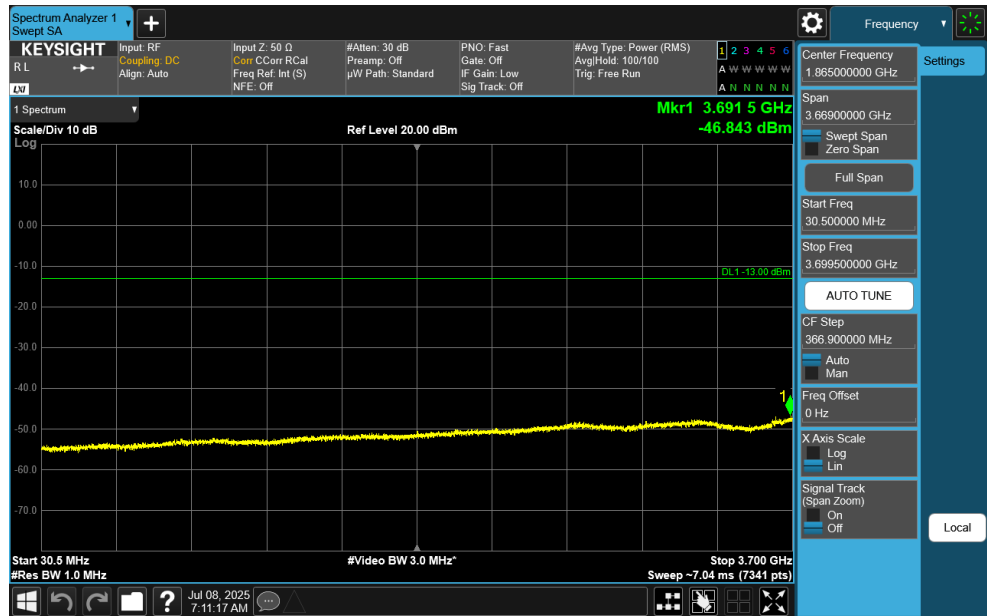
Plot 7-134. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)



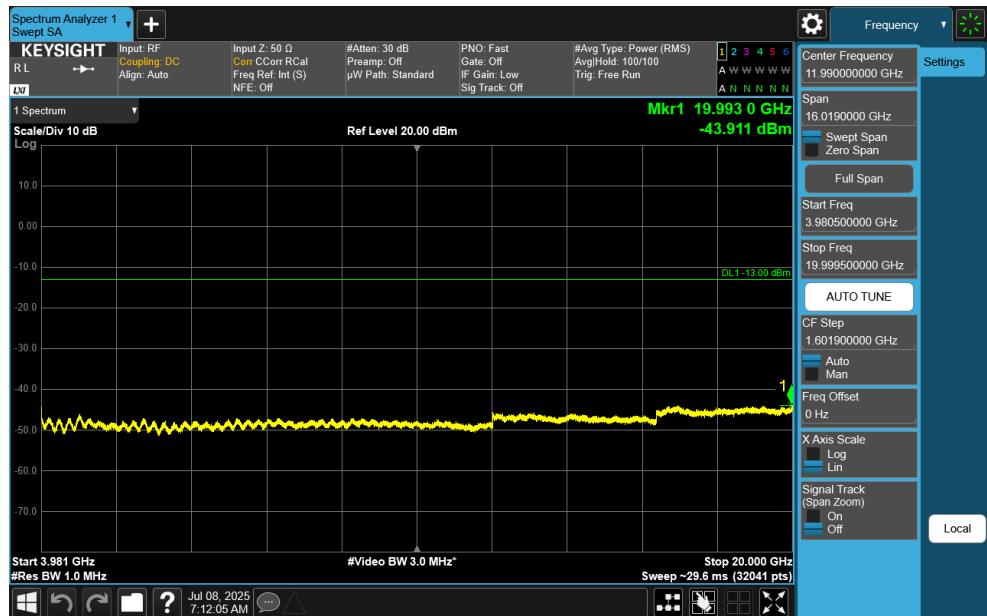
Plot 7-135. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 86 of 257

V2.2 09/07/2023

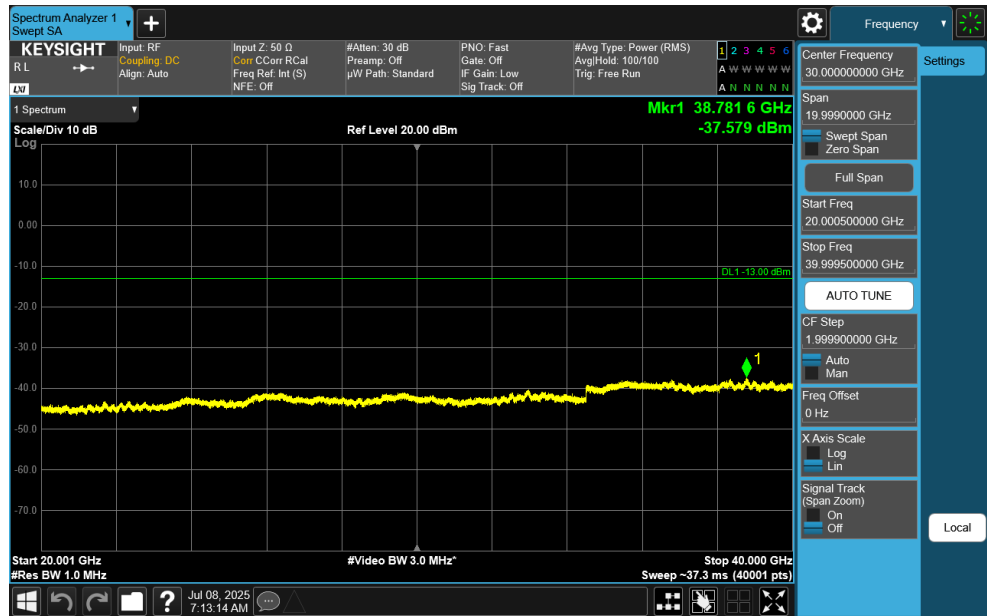


Plot 7-136. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)



Plot 7-137. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 87 of 257



Plot 7-138. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCGA3358	elementPART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 88 of 257

7.4 Band Edge Emissions at Antenna Terminal

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

Test Overview and Limit

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.

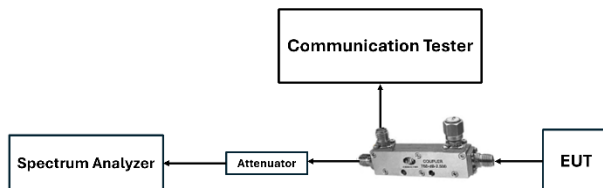


Figure 7-5. LTE Test Instrument & Measurement Setup

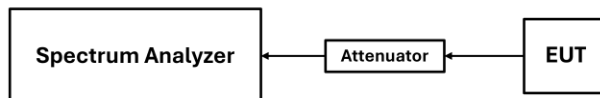


Figure 7-6. FR1 Test Instrument & Measurement Setup

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device
		Page 89 of 257

V2.2 09/07/2023

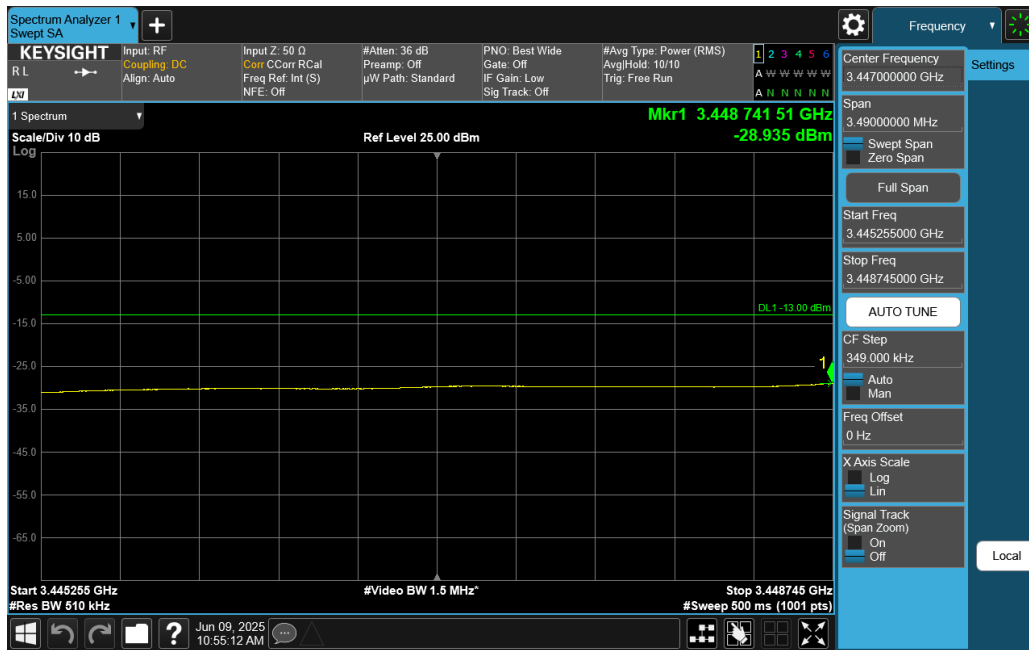
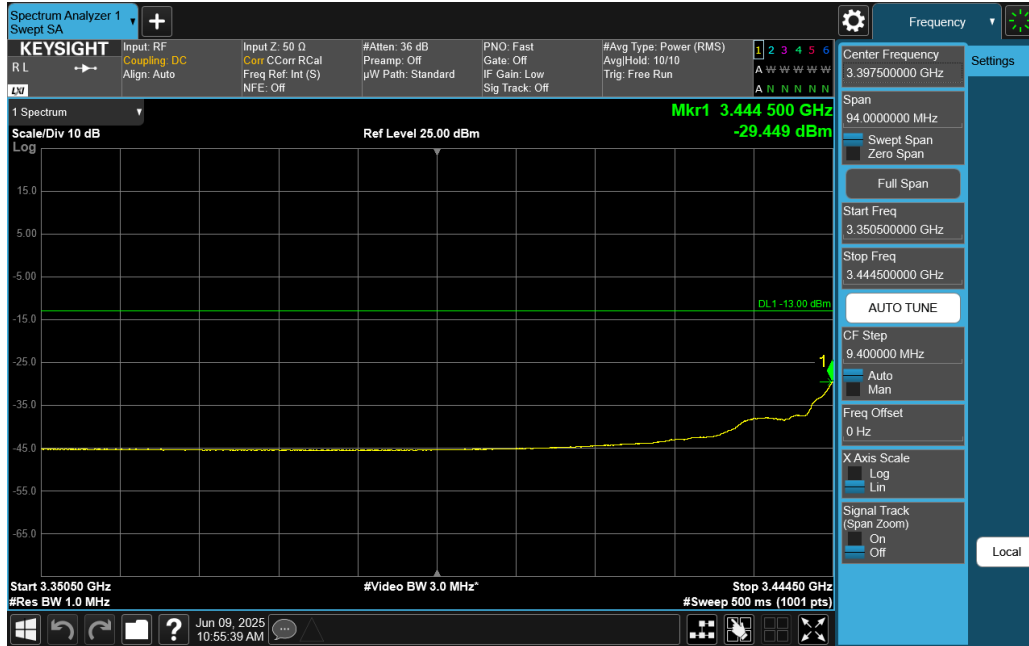
Test Notes

2. 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.
3. 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.
4. 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.

FCC ID: BCGA3358		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 90 of 257

V2.2 09/07/2023

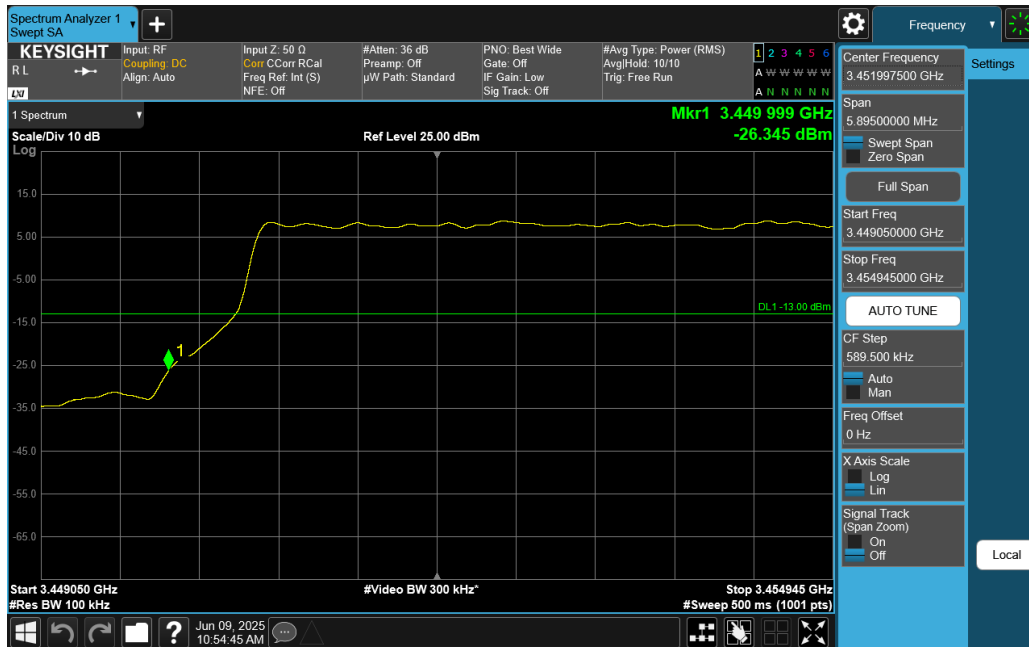
NR Band n77 DoD-Band



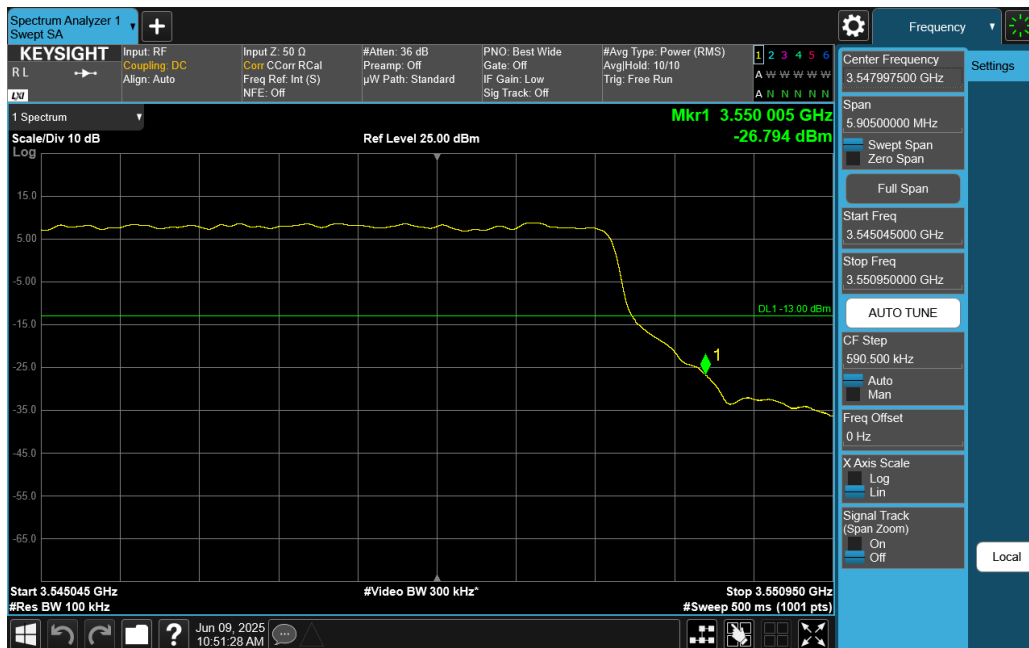
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 91 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

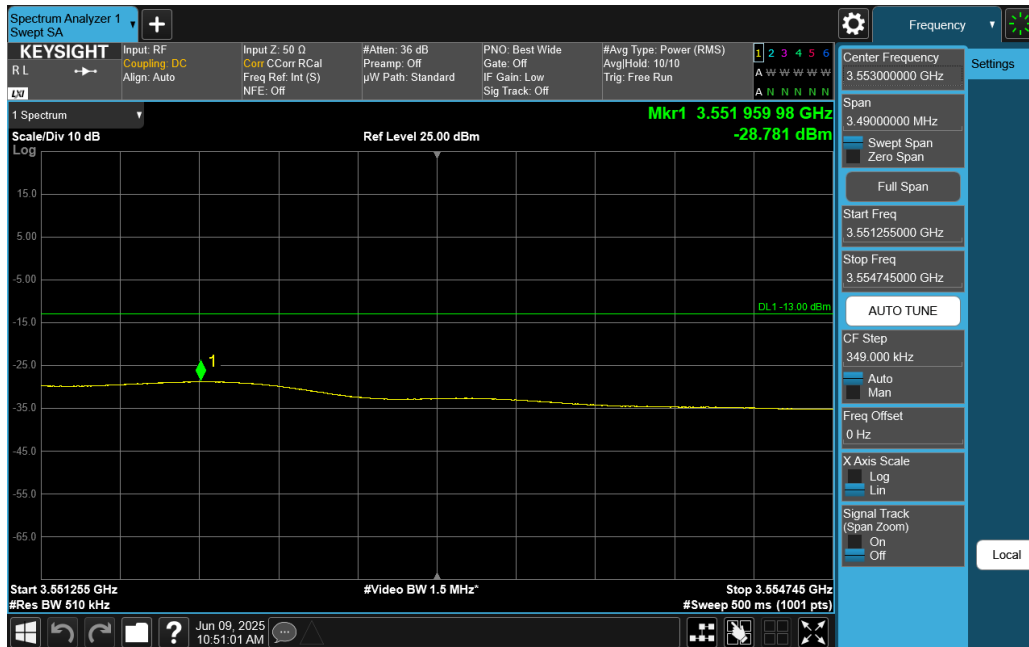


Plot 7-141. Lower Band Edge Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

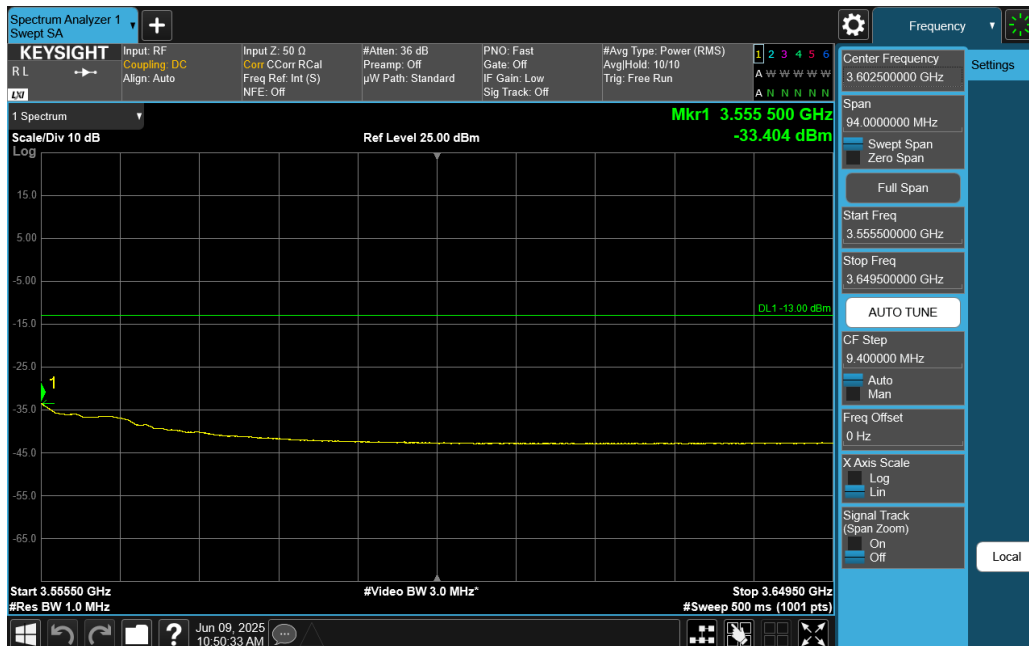


Plot 7-142. Upper Band Edge Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 92 of 257

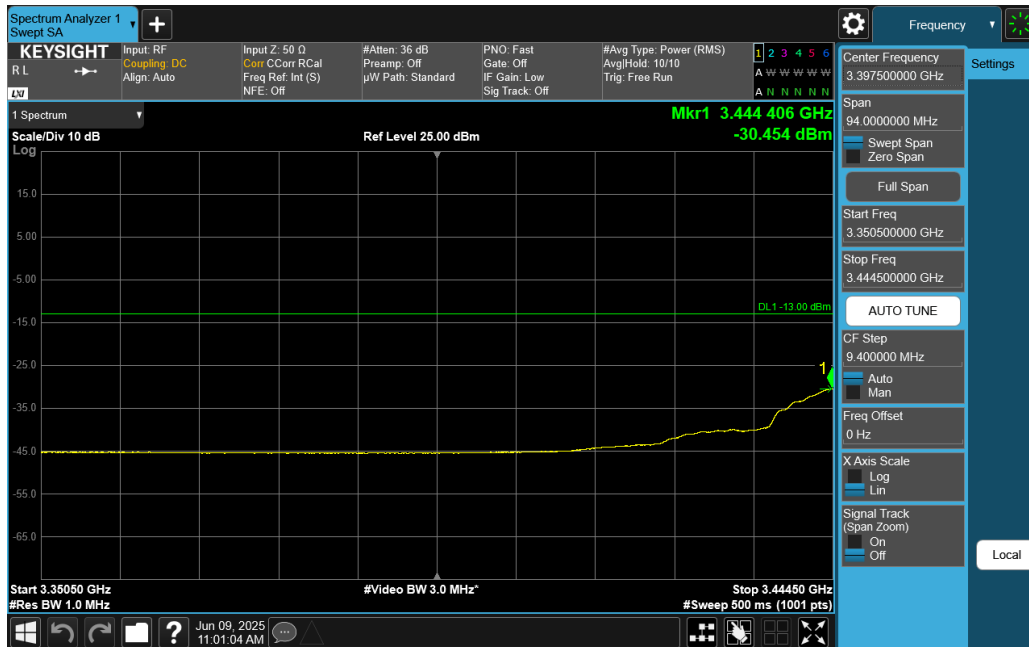


Plot 7-143. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

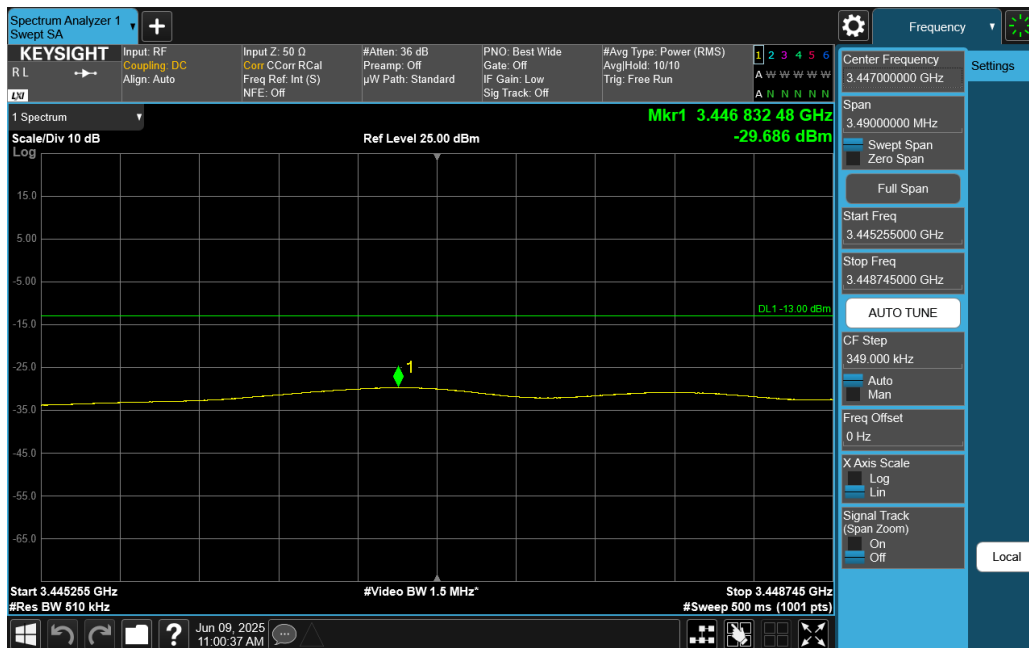


Plot 7-144. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 93 of 257

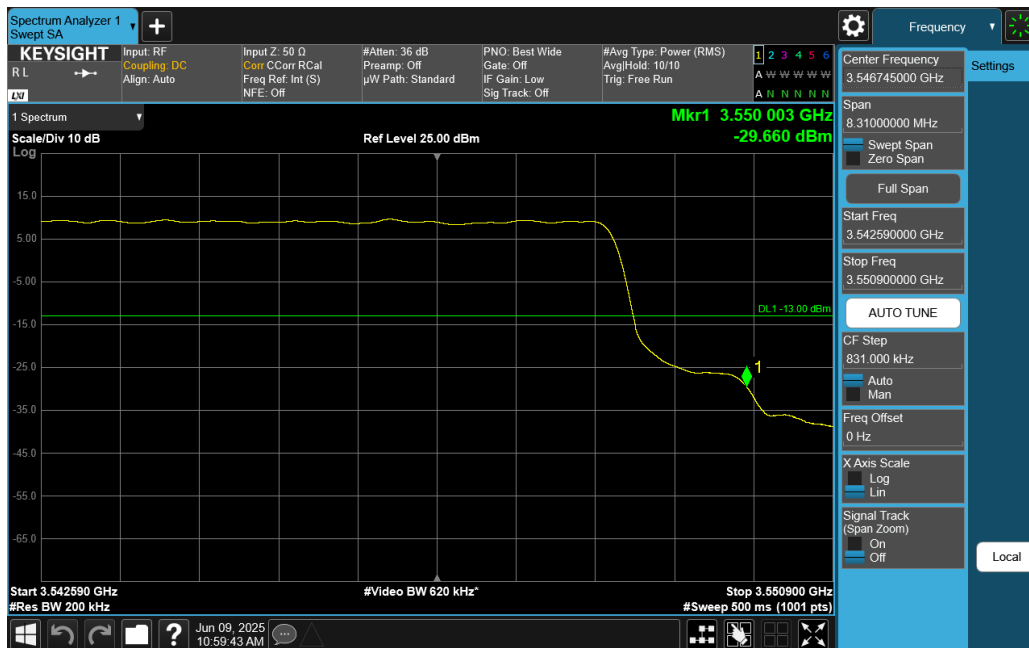
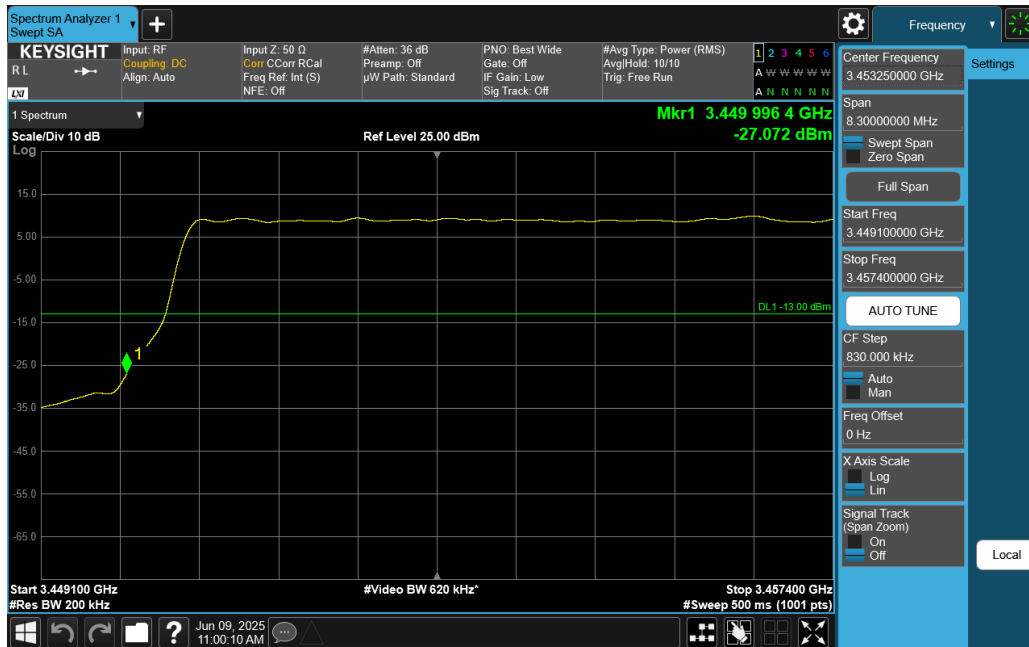


Plot 7-145. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-146. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

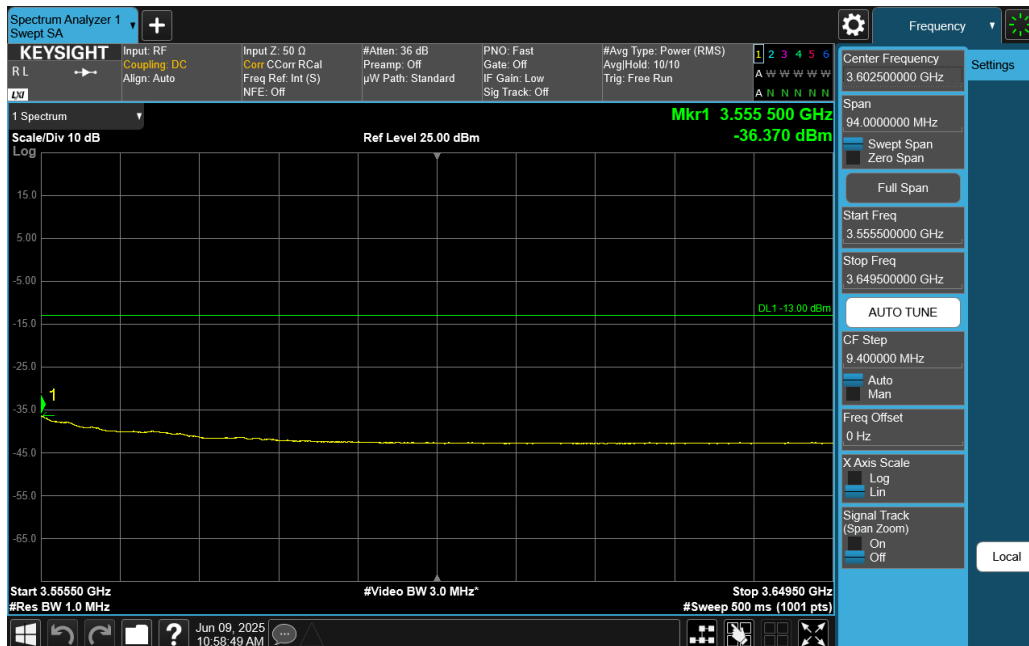
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 94 of 257



FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 95 of 257

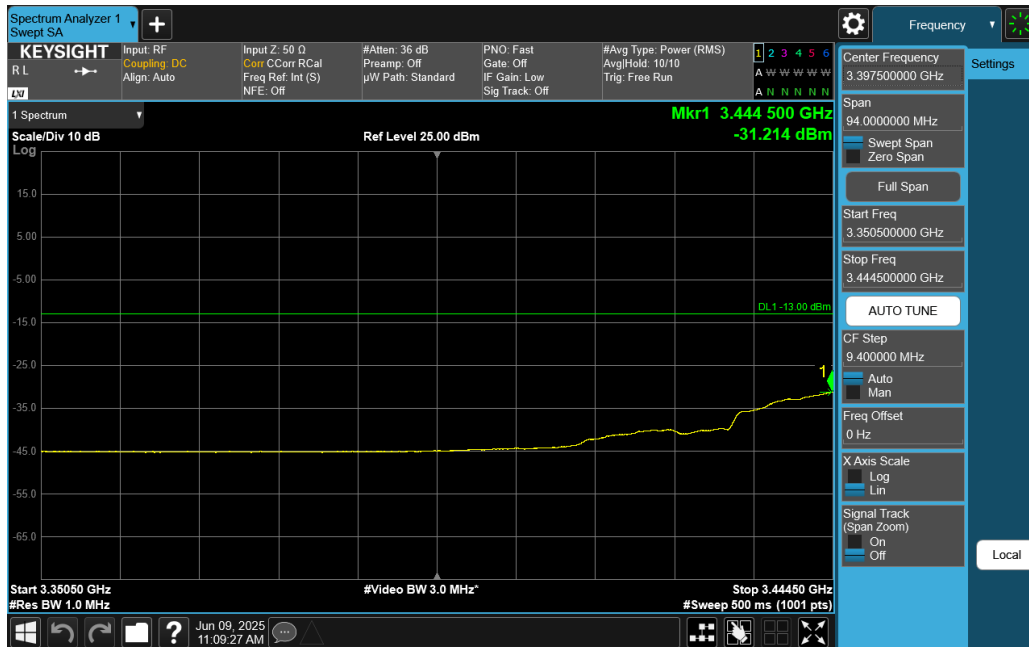


Plot 7-149. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

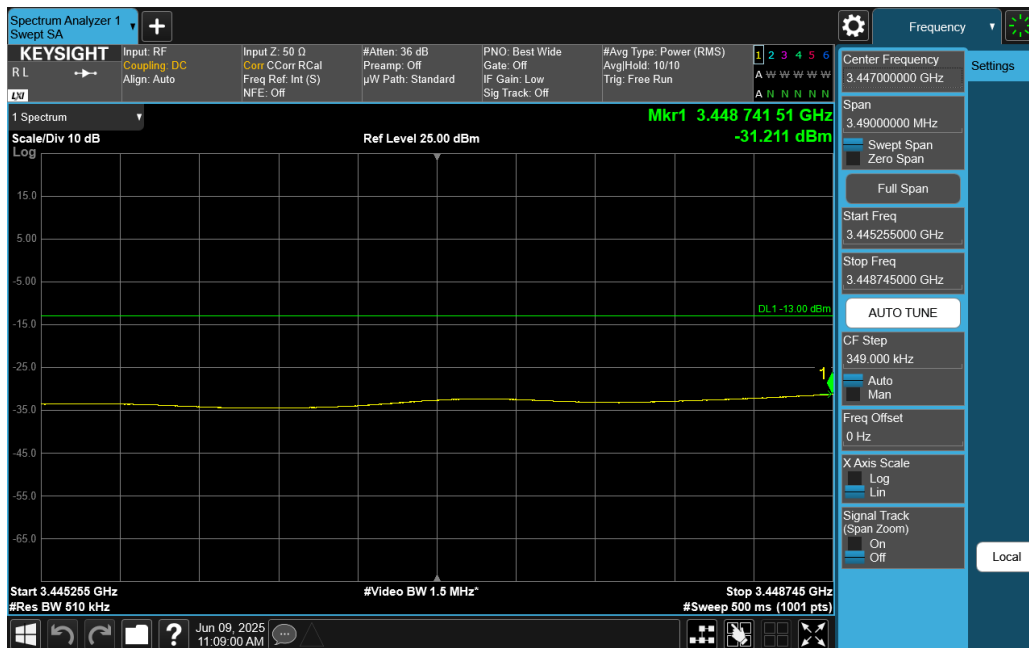


Plot 7-150. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 96 of 257

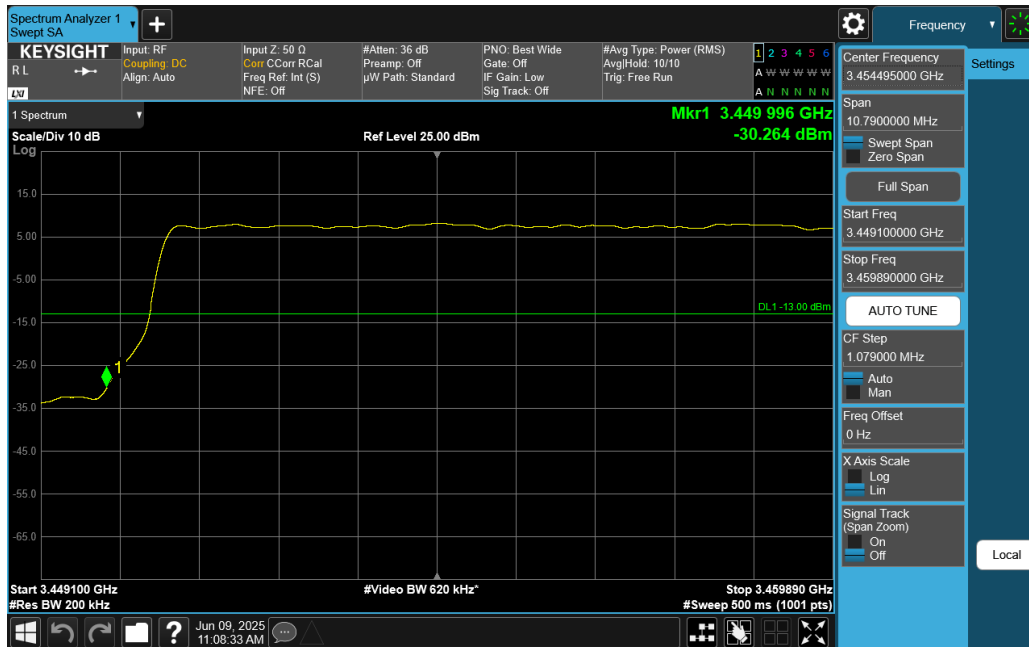


Plot 7-151. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

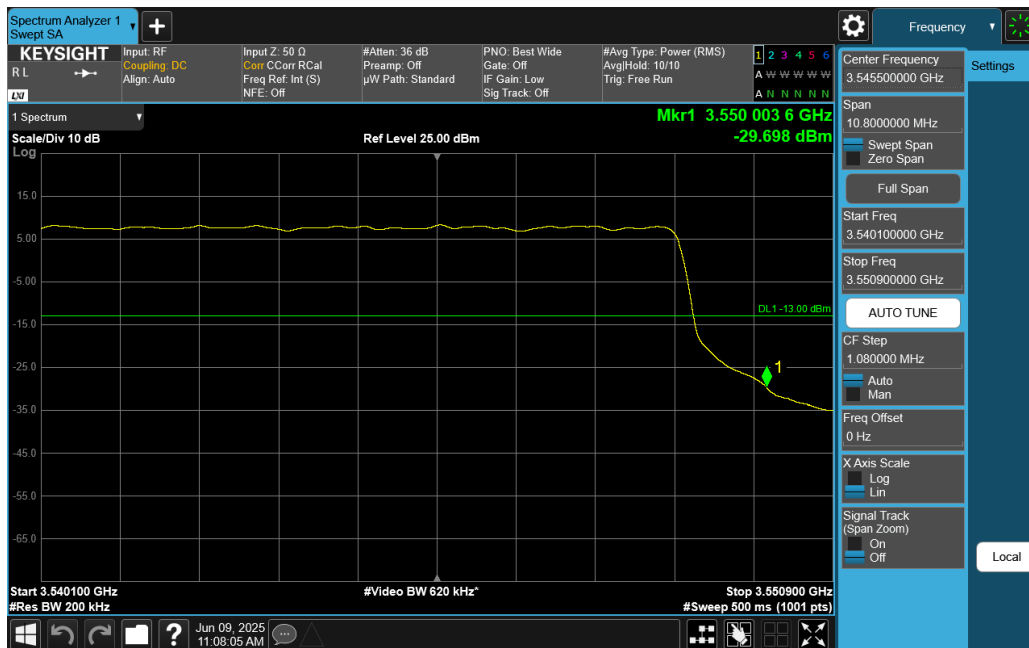


Plot 7-152. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 97 of 257

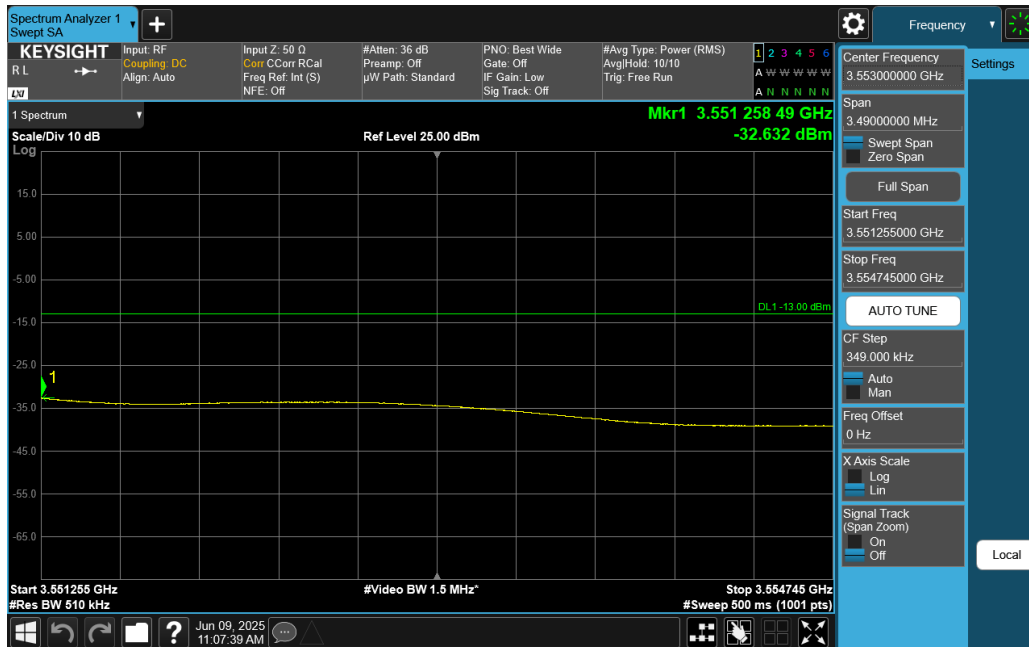


Plot 7-153. Lower Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

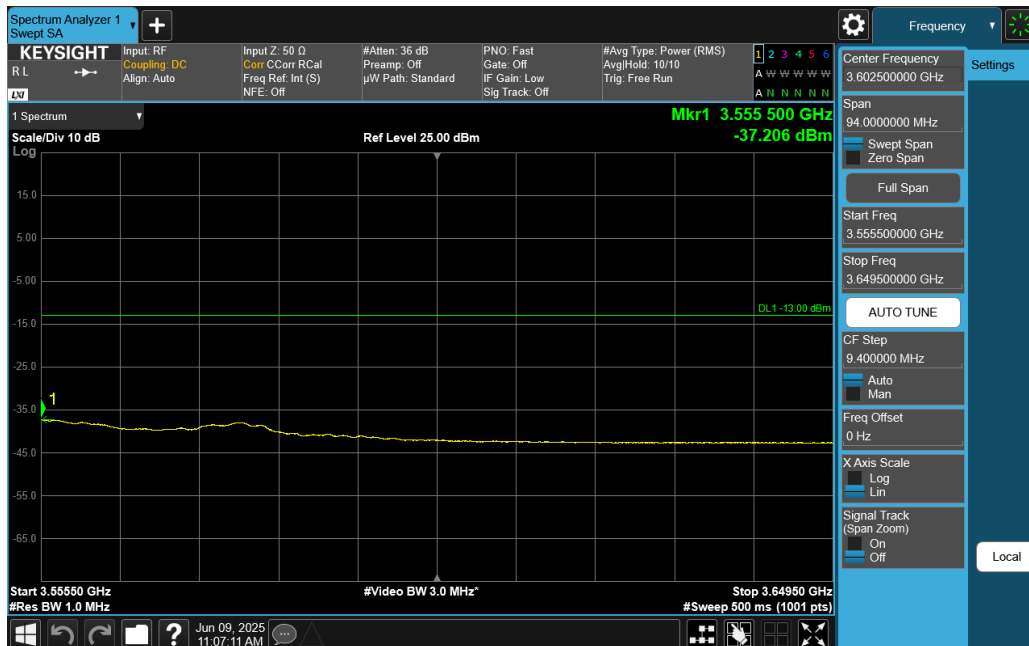


Plot 7-154. Upper Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 98 of 257

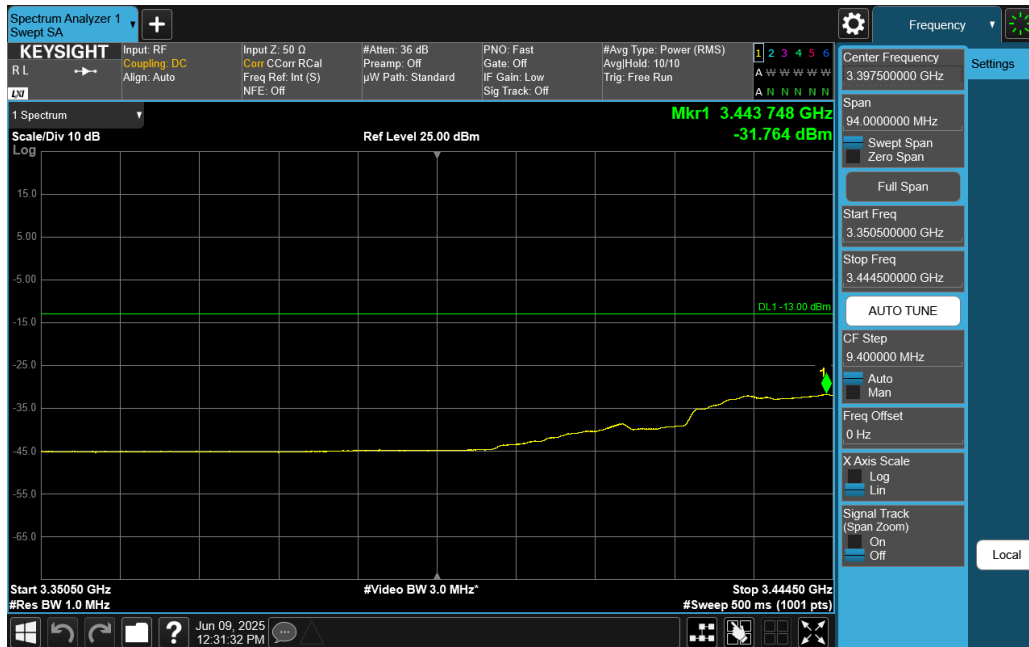


Plot 7-155. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

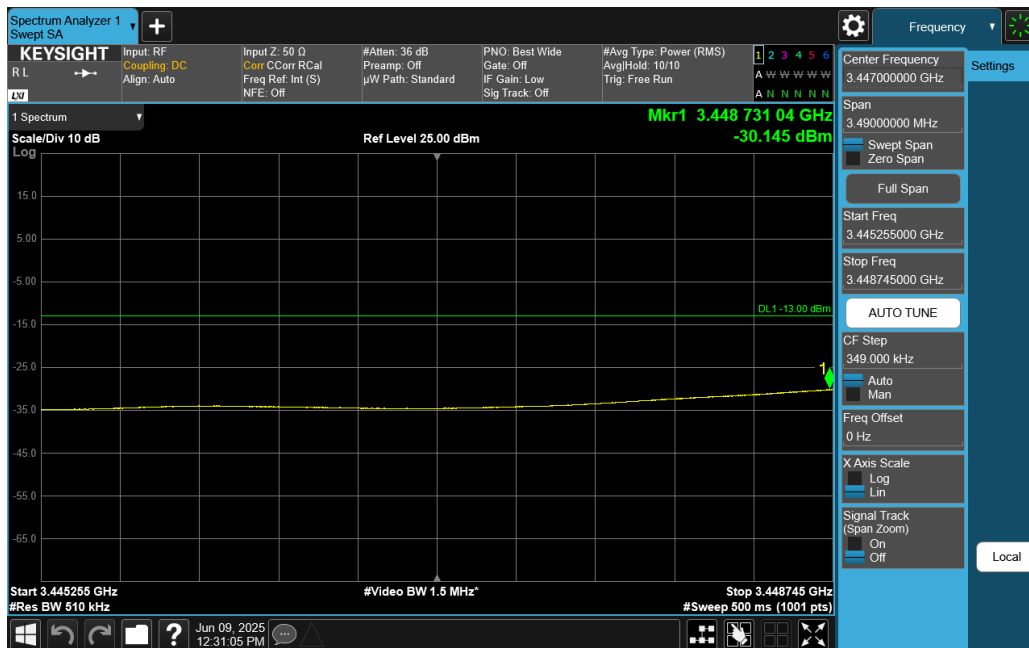


Plot 7-156. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 99 of 257



Plot 7-157. Lower Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

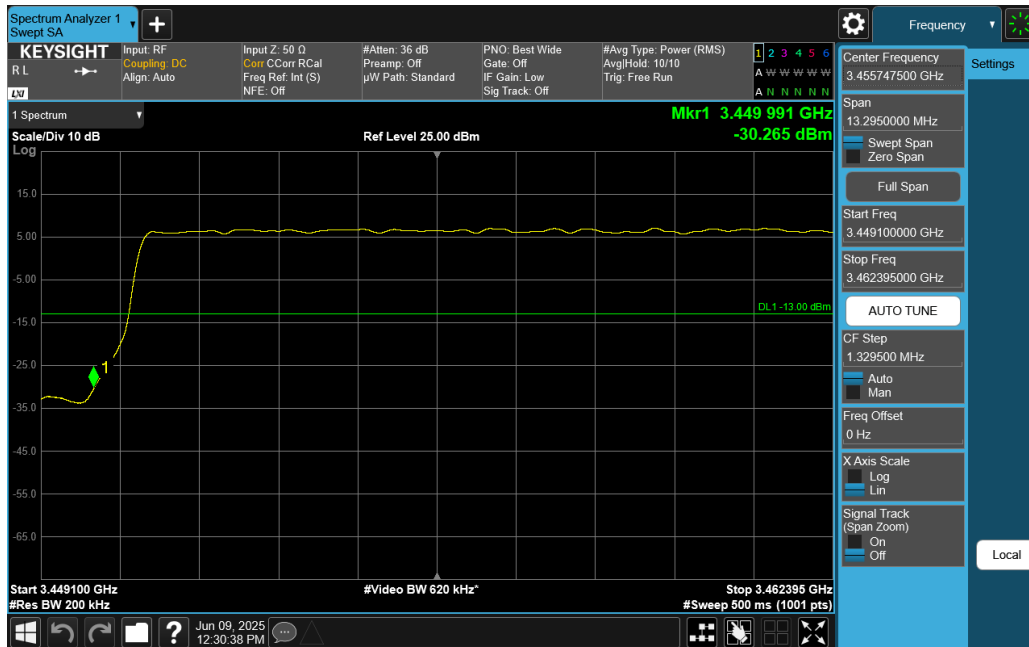


Plot 7-158. Lower Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

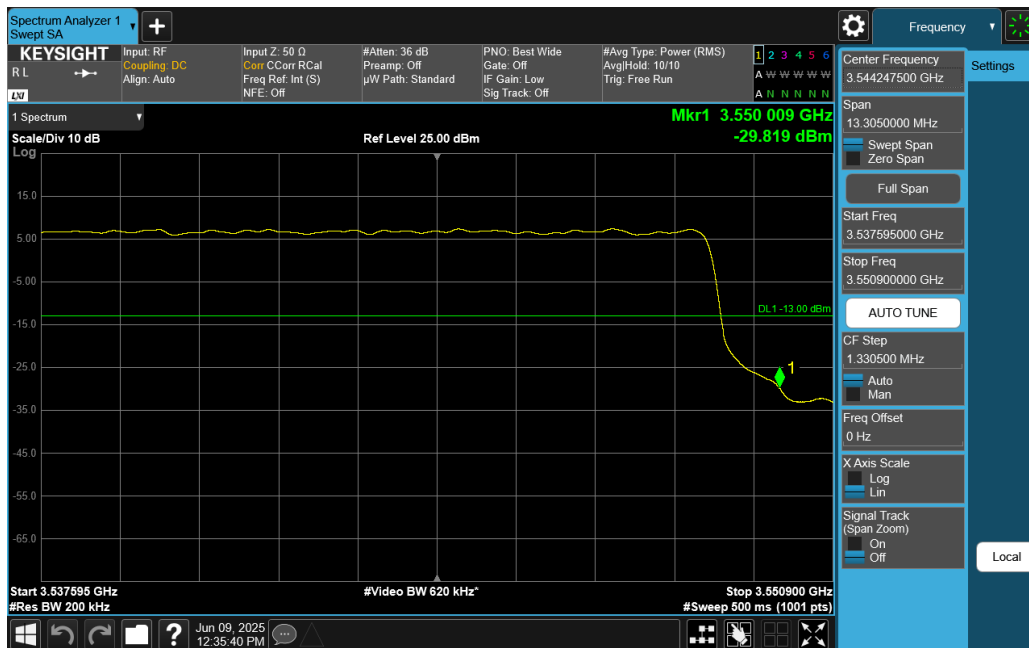
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 100 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

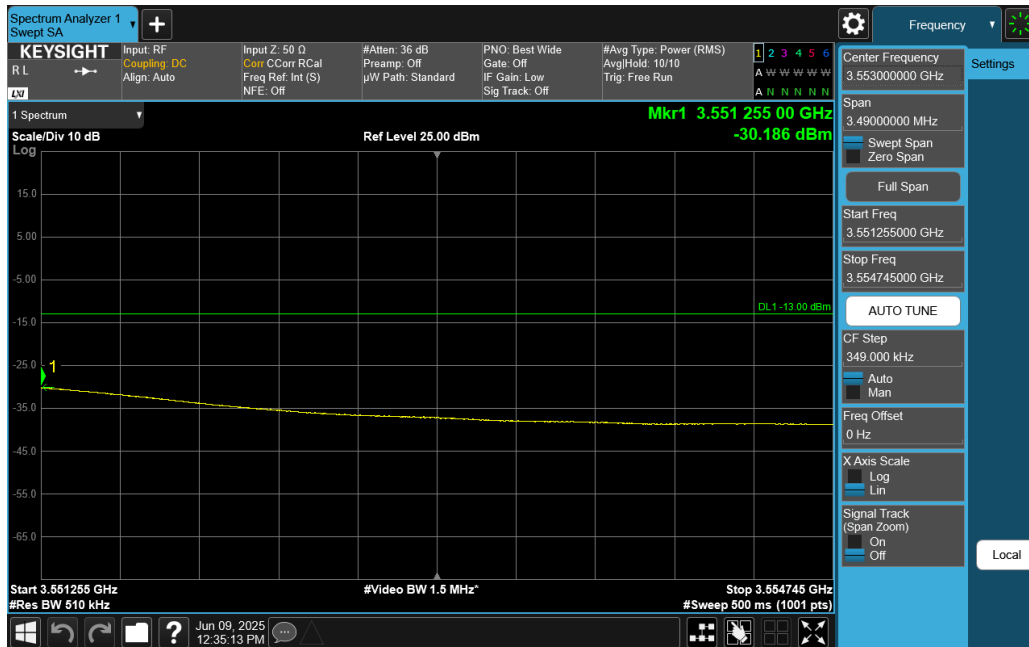


Plot 7-159. Lower Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

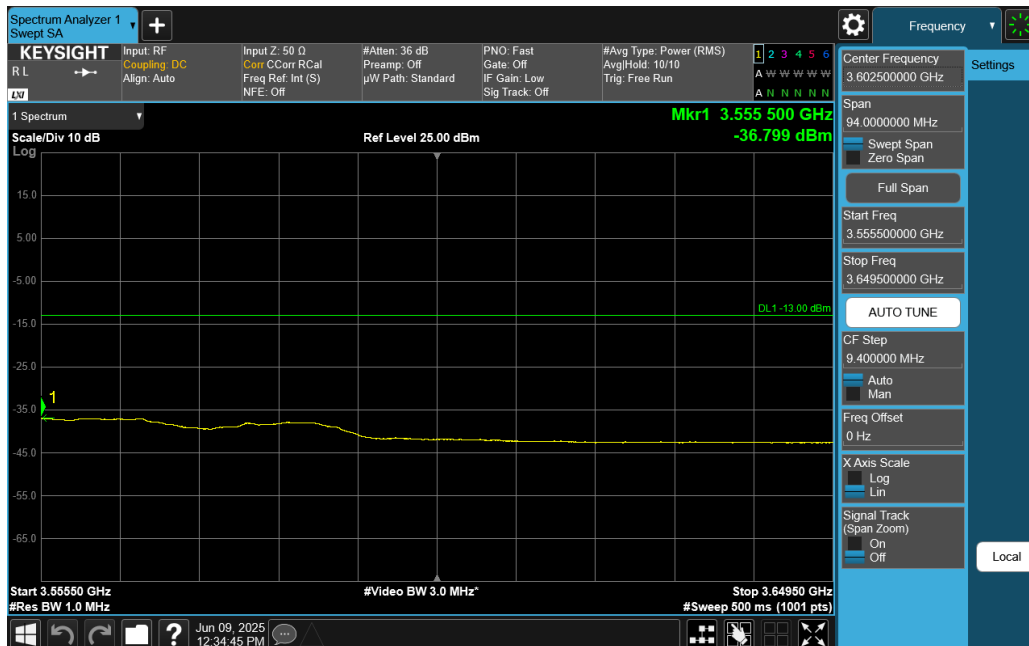


Plot 7-160. Upper Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 101 of 257

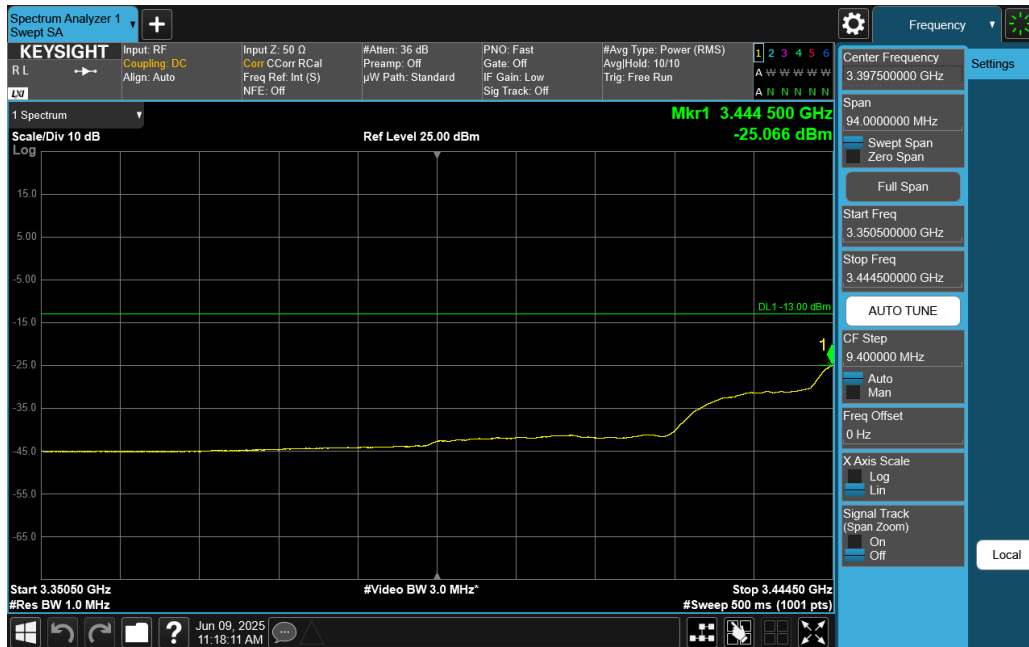


Plot 7-161. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

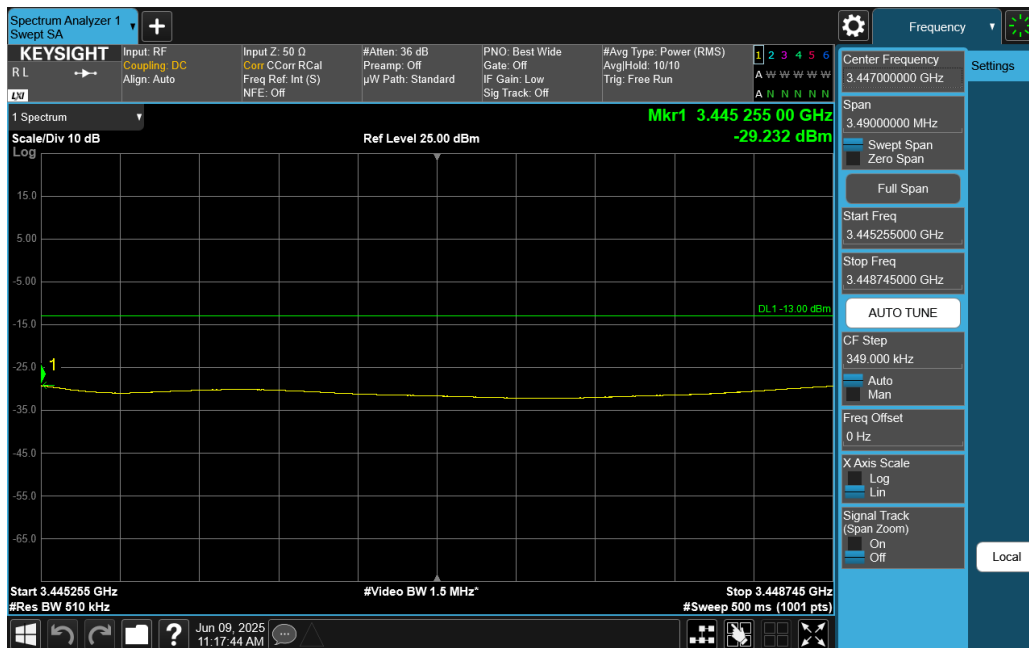


Plot 7-162. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 25MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 102 of 257



Plot 7-163. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

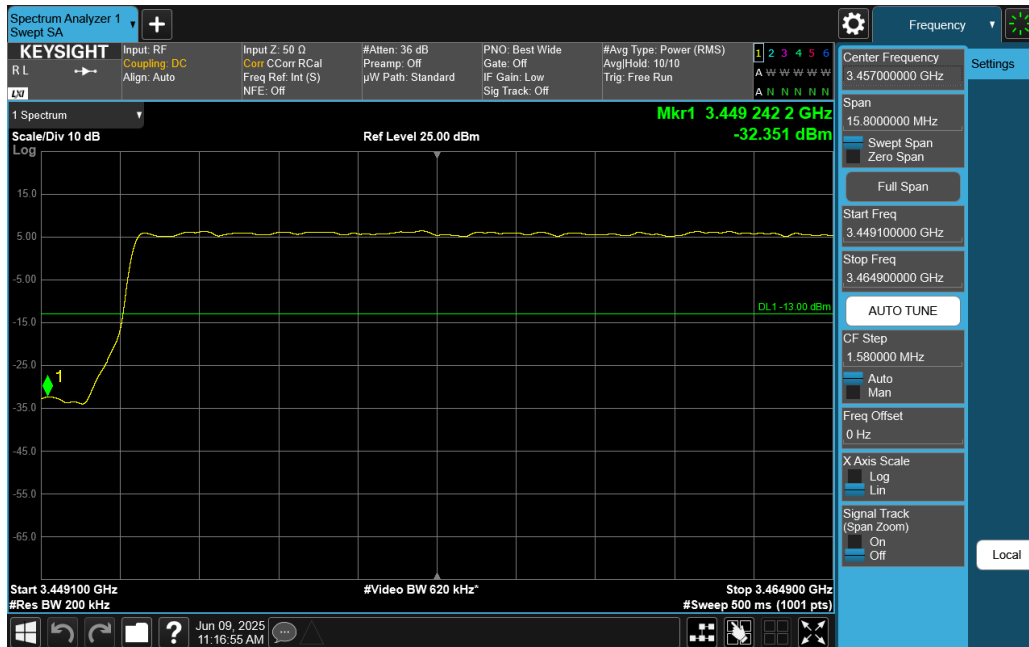


Plot 7-164. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

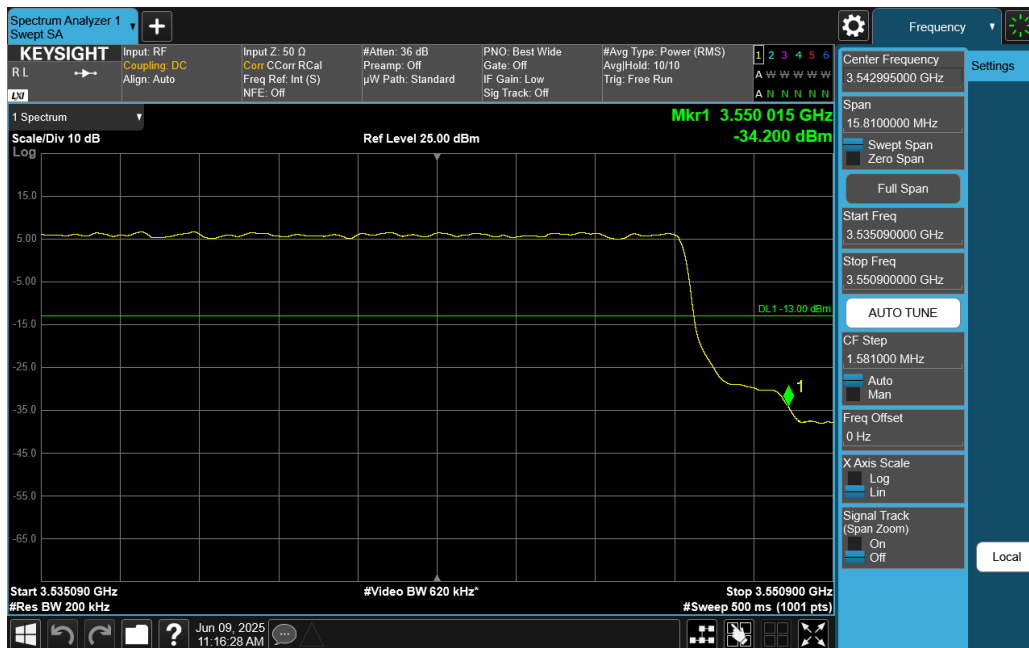
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 103 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-165. Lower Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

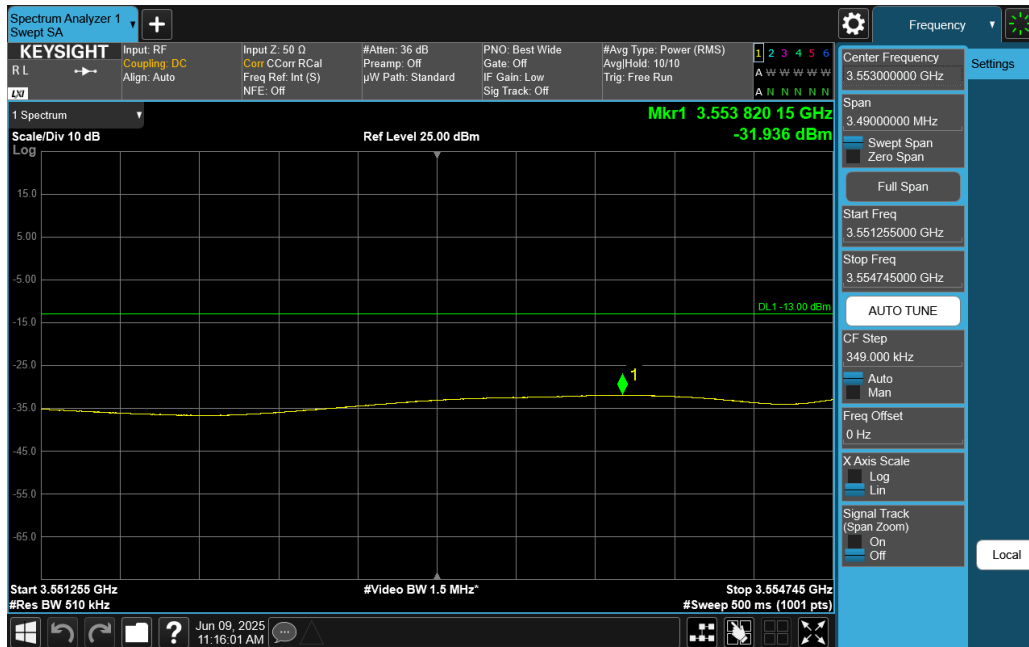


Plot 7-166. Upper Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

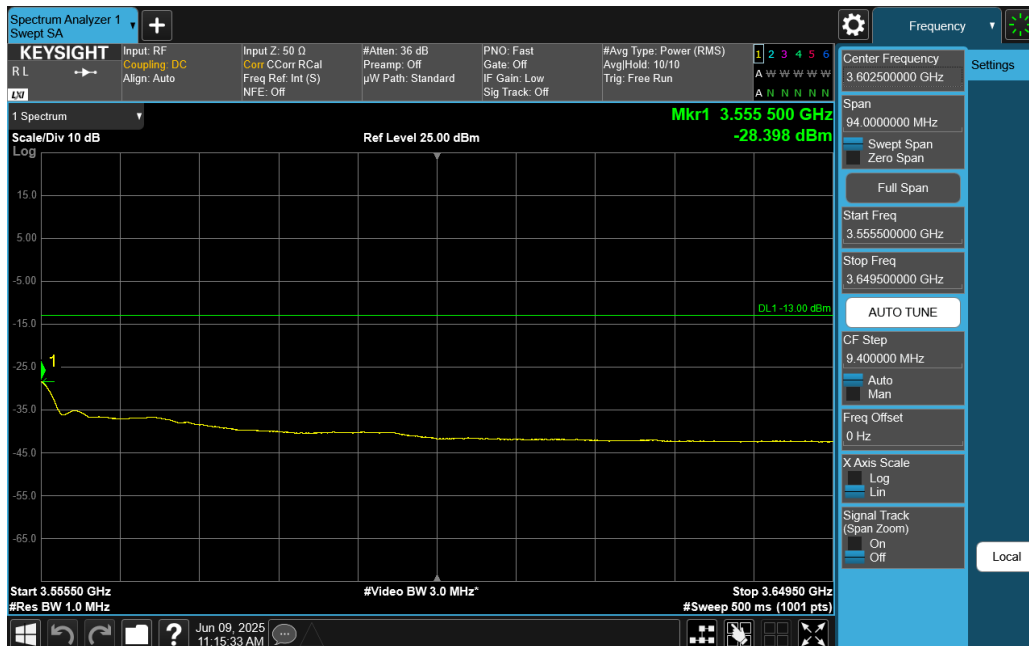
FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 104 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-167. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

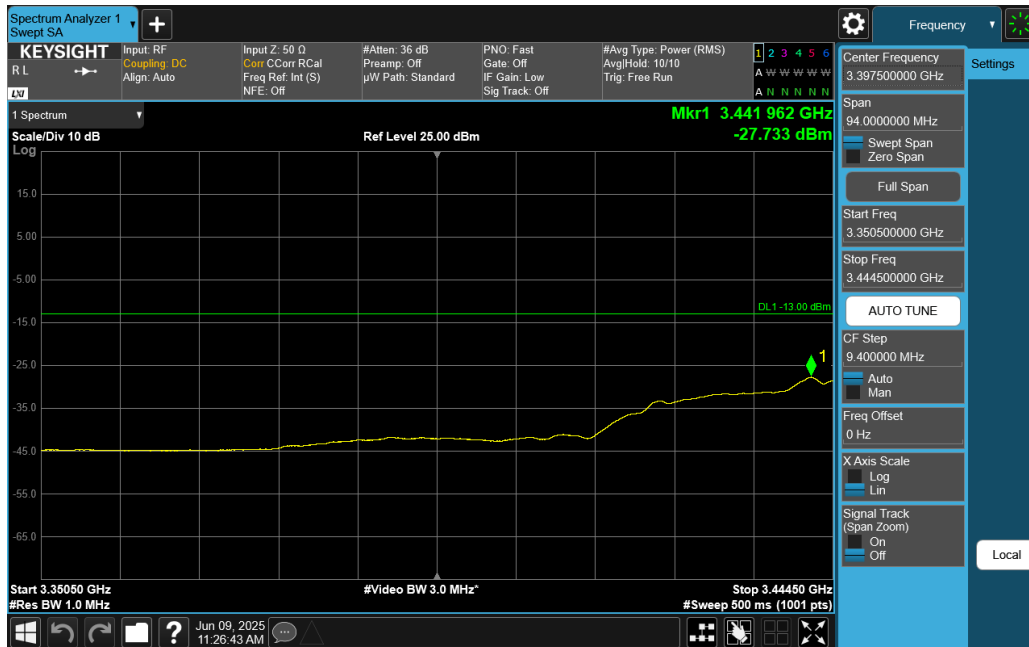


Plot 7-168. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

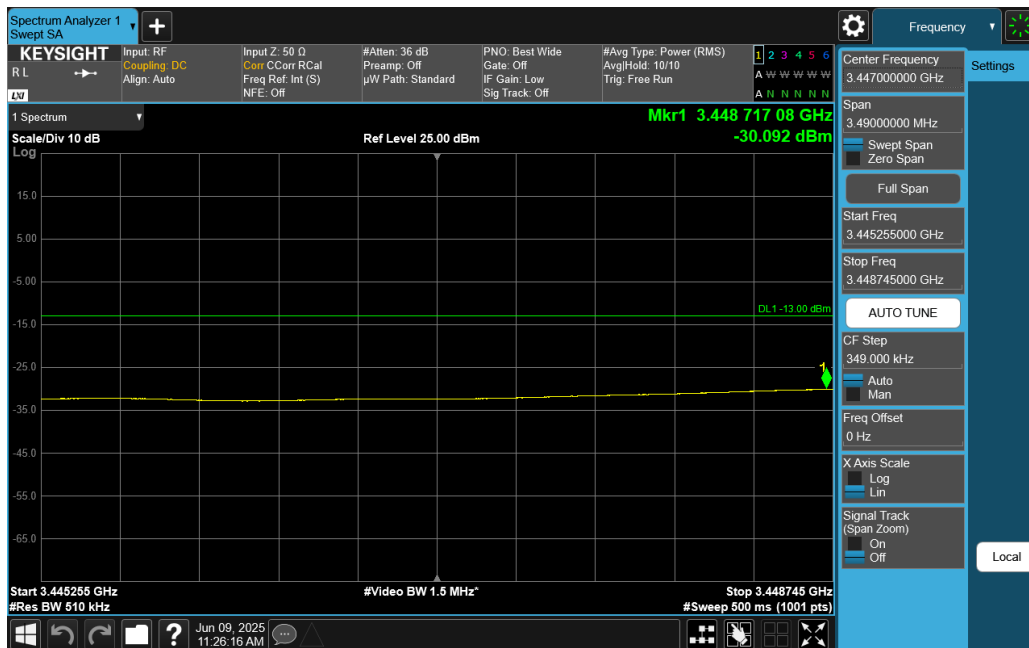
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 105 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-169. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

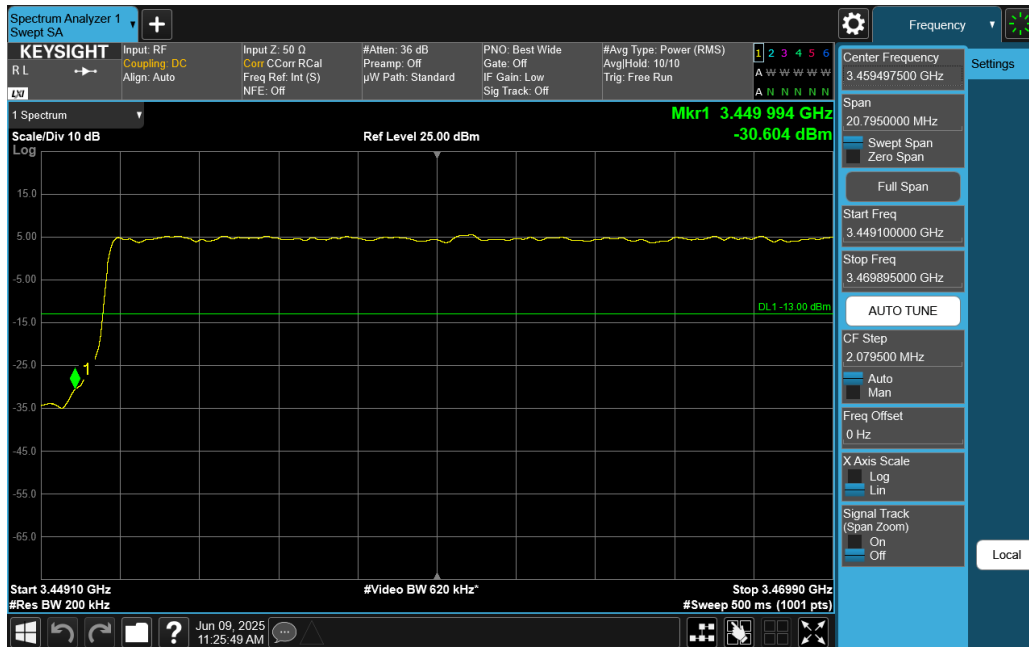


Plot 7-170. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

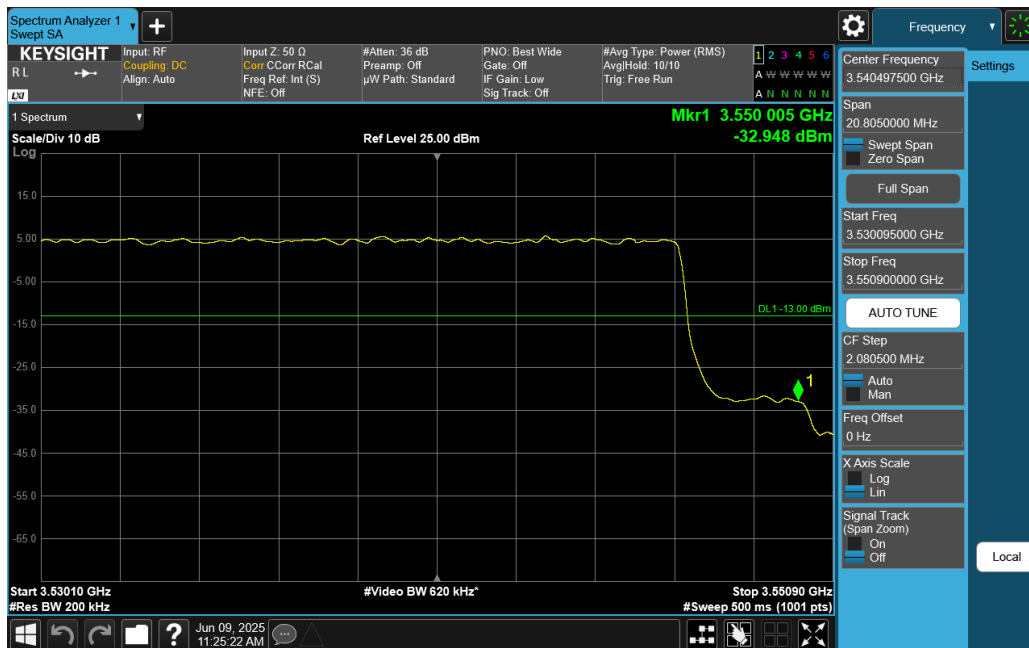
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 106 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-171. Lower Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

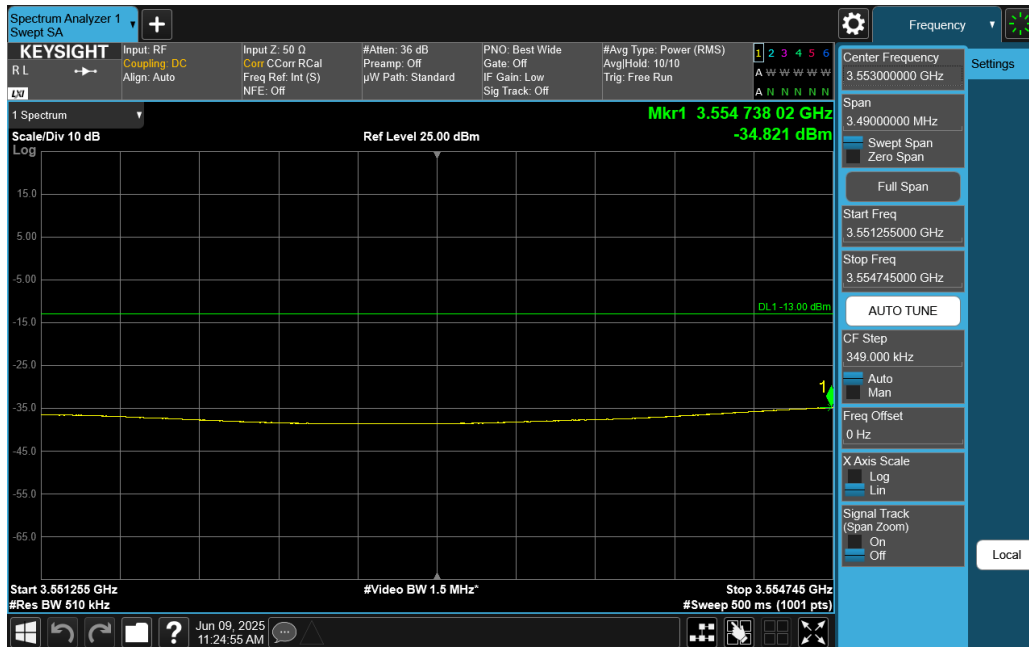


Plot 7-172. Upper Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

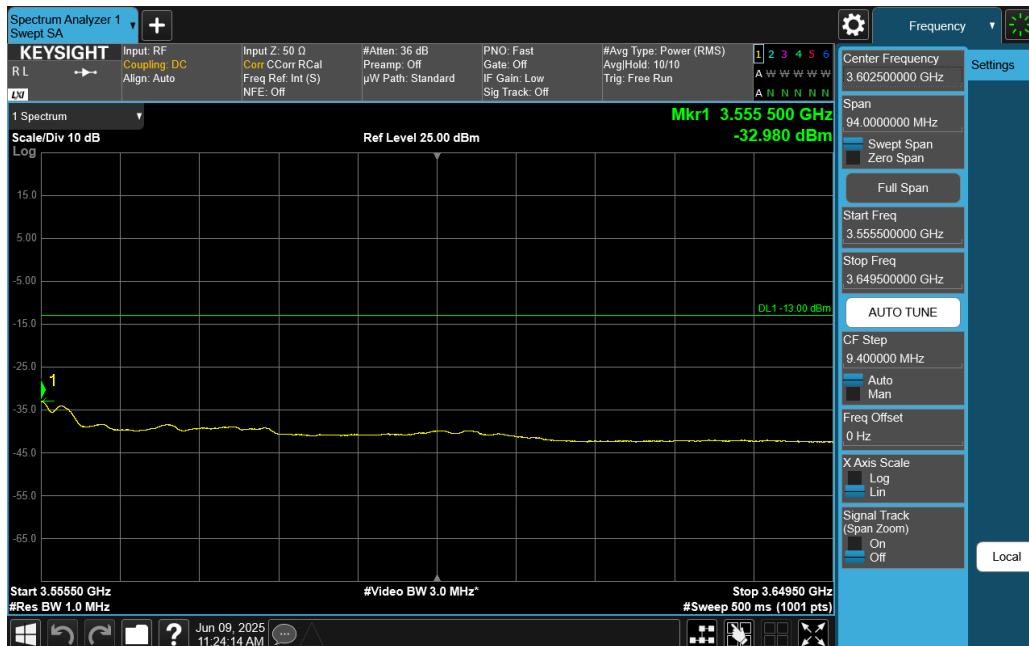
FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 107 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

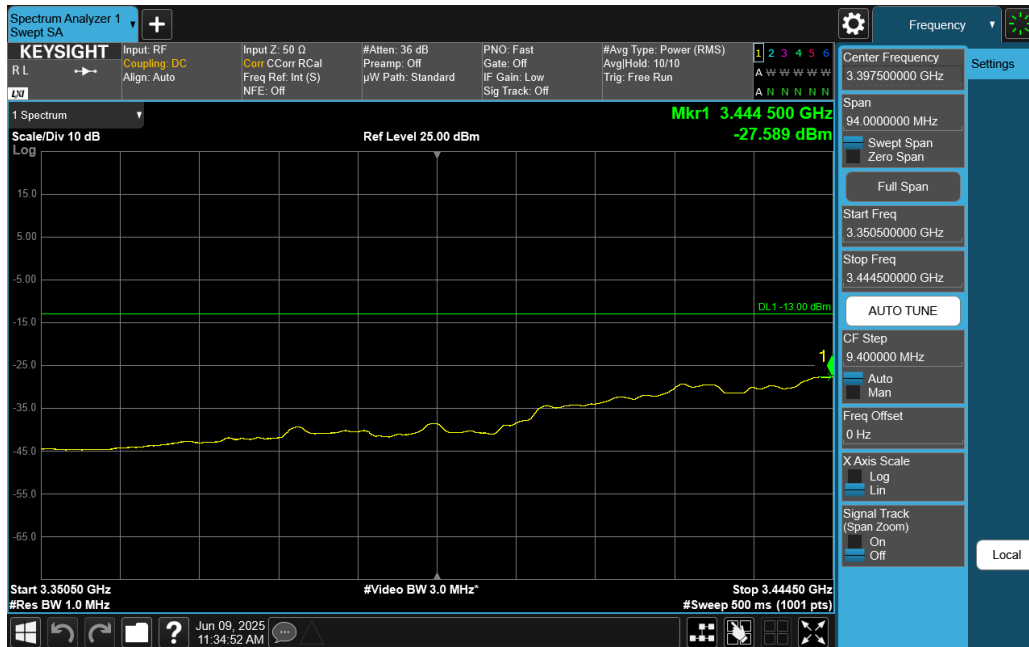


Plot 7-173. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

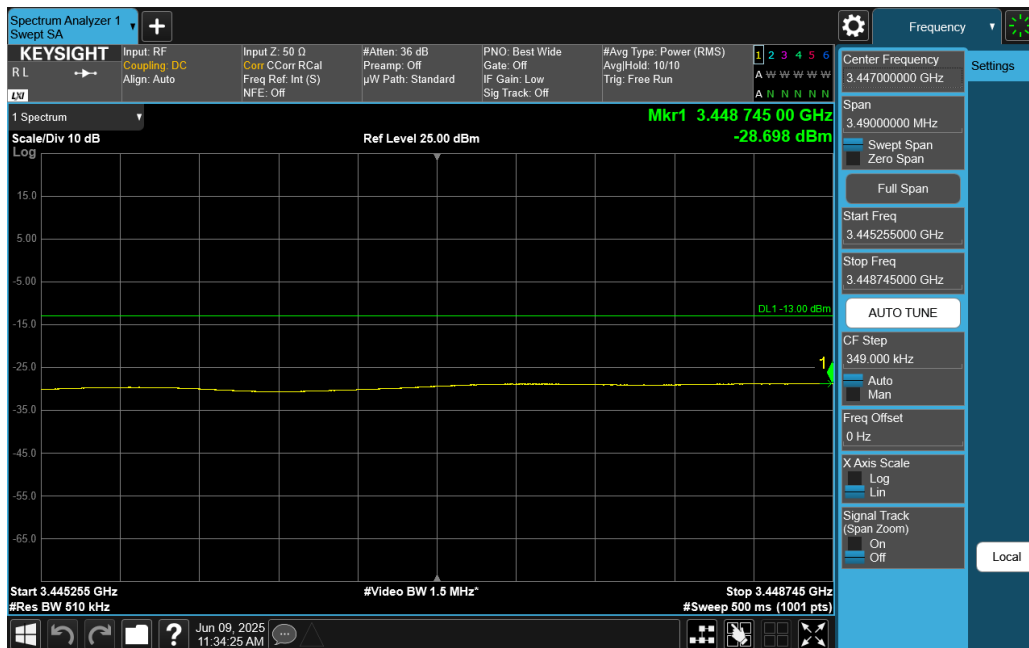


Plot 7-174. Extended Upper Band Edge Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 108 of 257



Plot 7-175. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

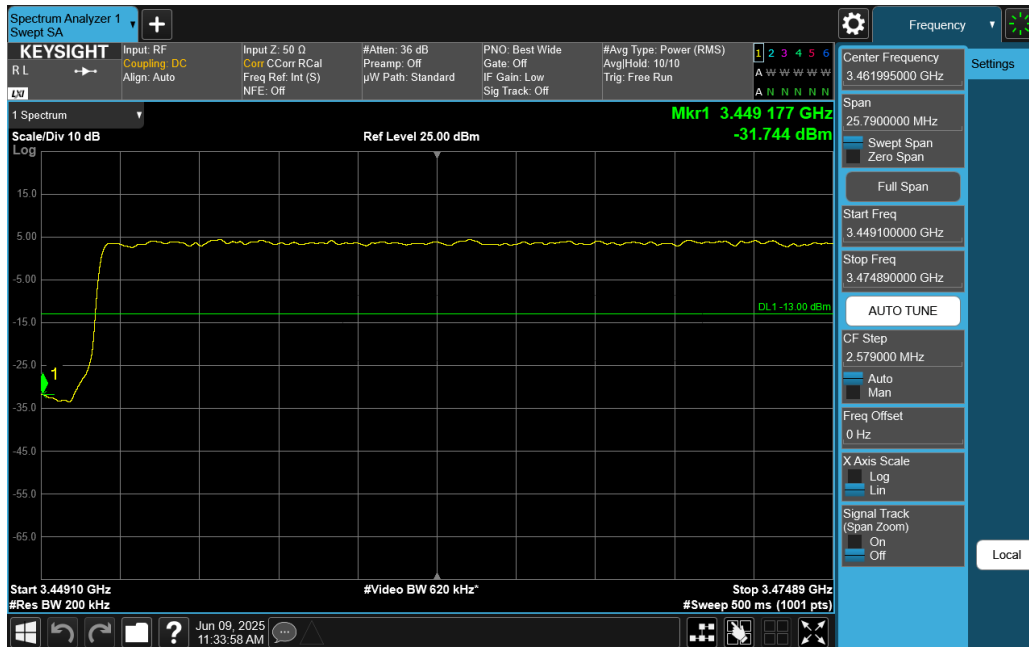


Plot 7-176. Extended Lower Band Edge Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

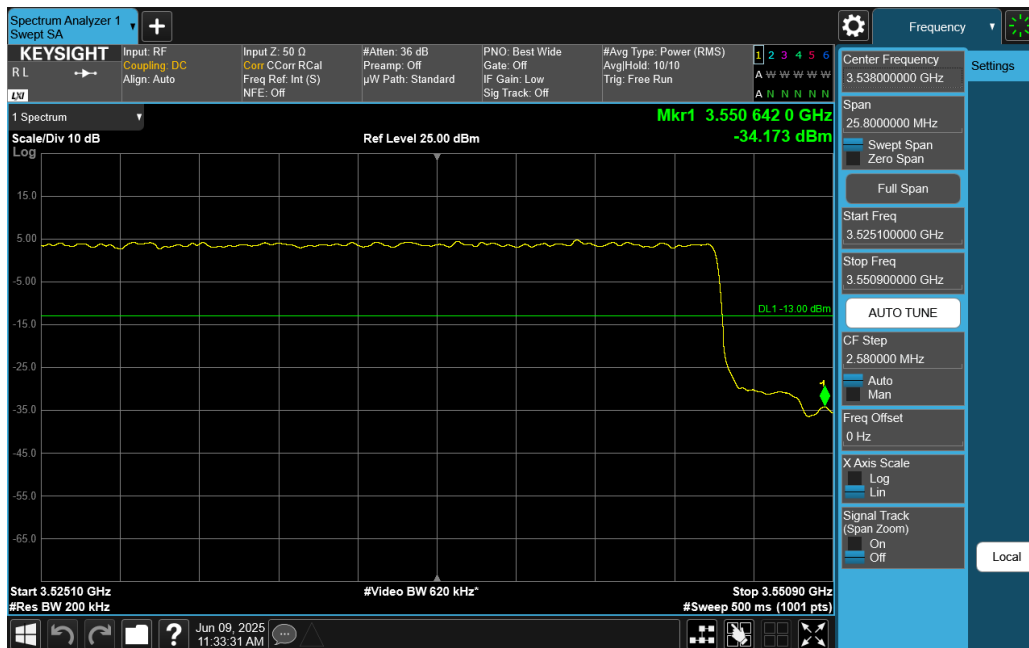
FCC ID: BCGA3358	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 109 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-177. Lower Band Edge Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-178. Upper Band Edge Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3358	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-11.BCG	Test Dates: 5/9/2025 - 7/7/2025	EUT Type: Tablet Device	Page 110 of 257

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.