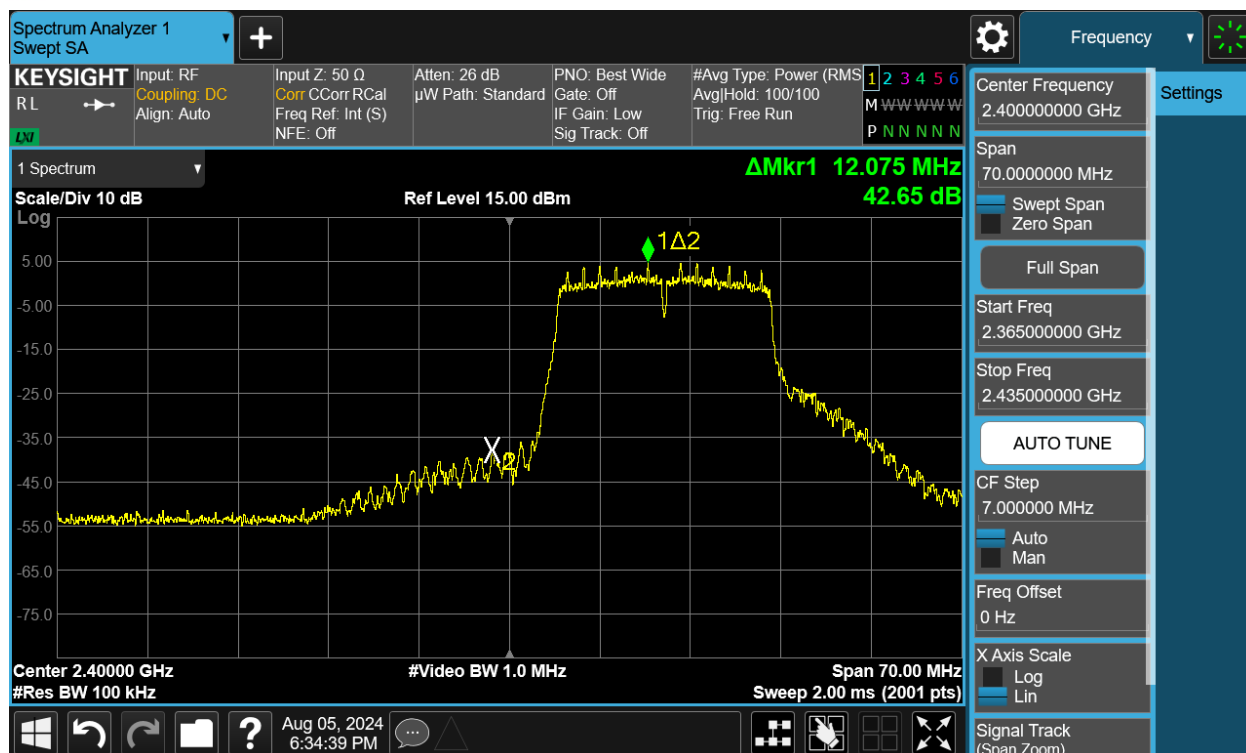
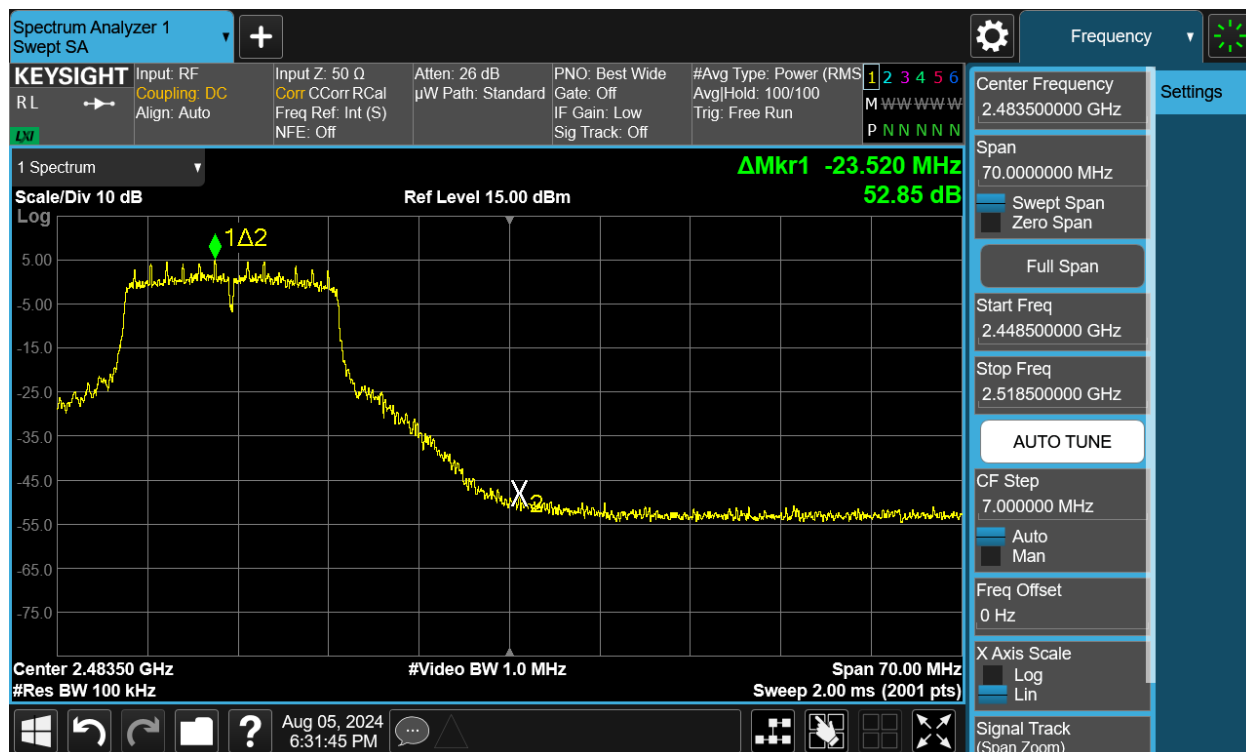


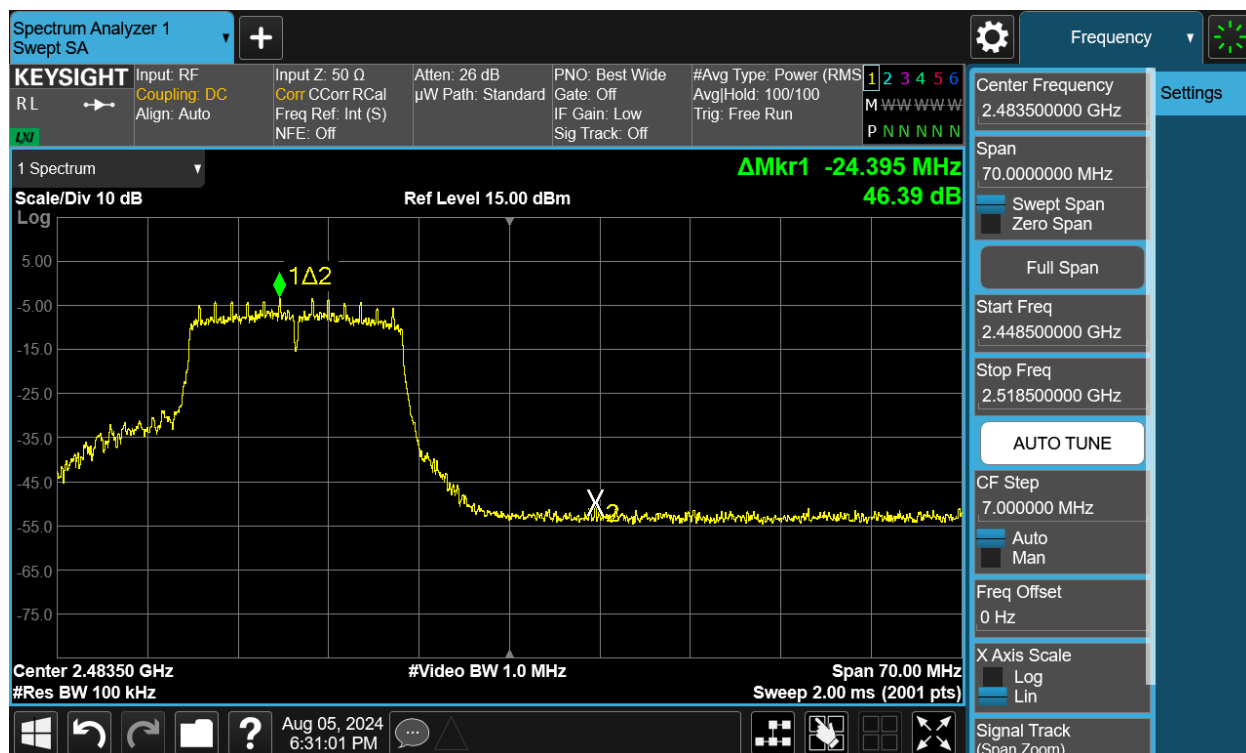


Plot 7-133. Band Edge Plot MIMO ANT1 (802.11g– Ch. 1)

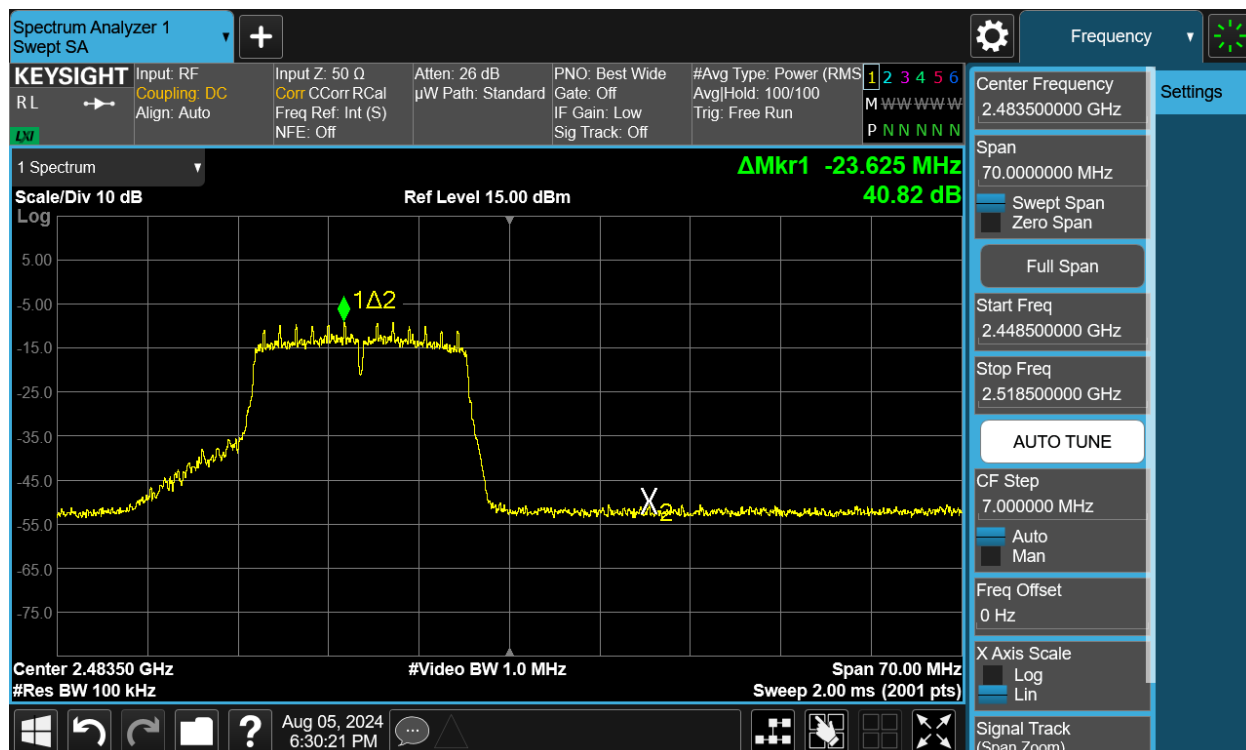


Plot 7-134. Band Edge Plot MIMO ANT1 (802.11g – Ch. 11)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 96 of 150

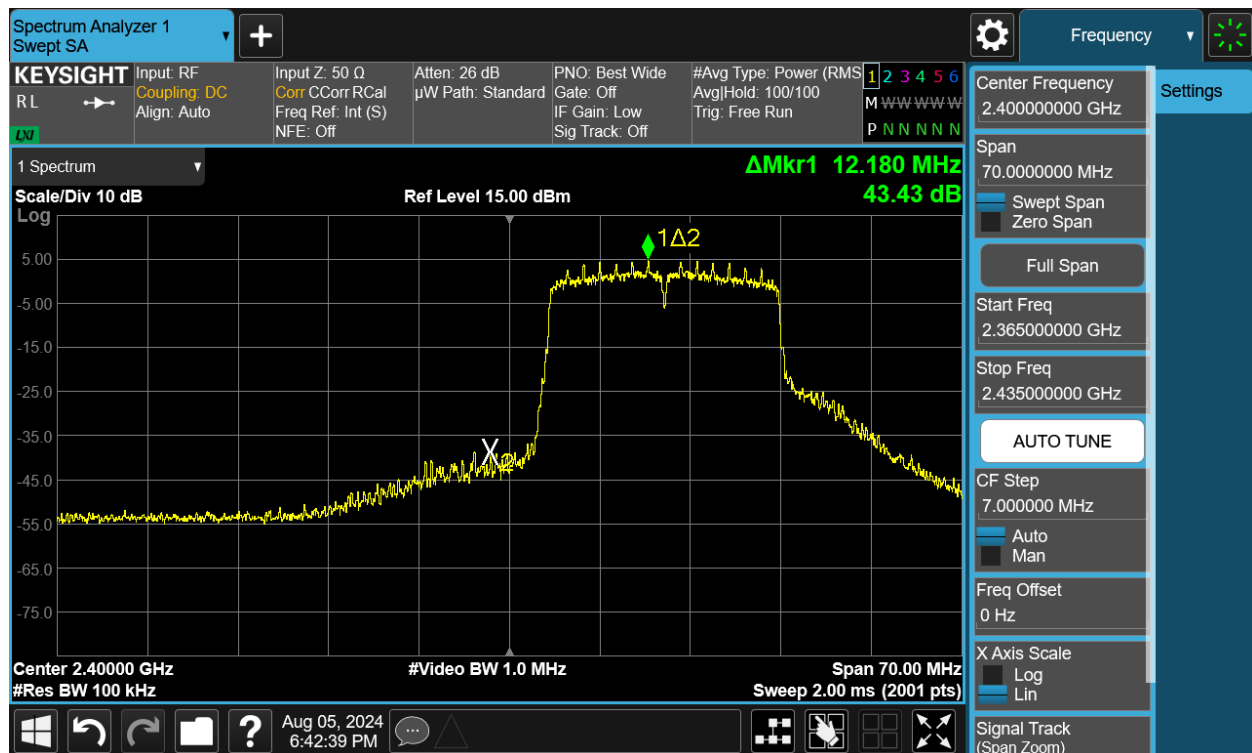


Plot 7-135. Band Edge Plot MIMO ANT1 (802.11g– Ch. 12)

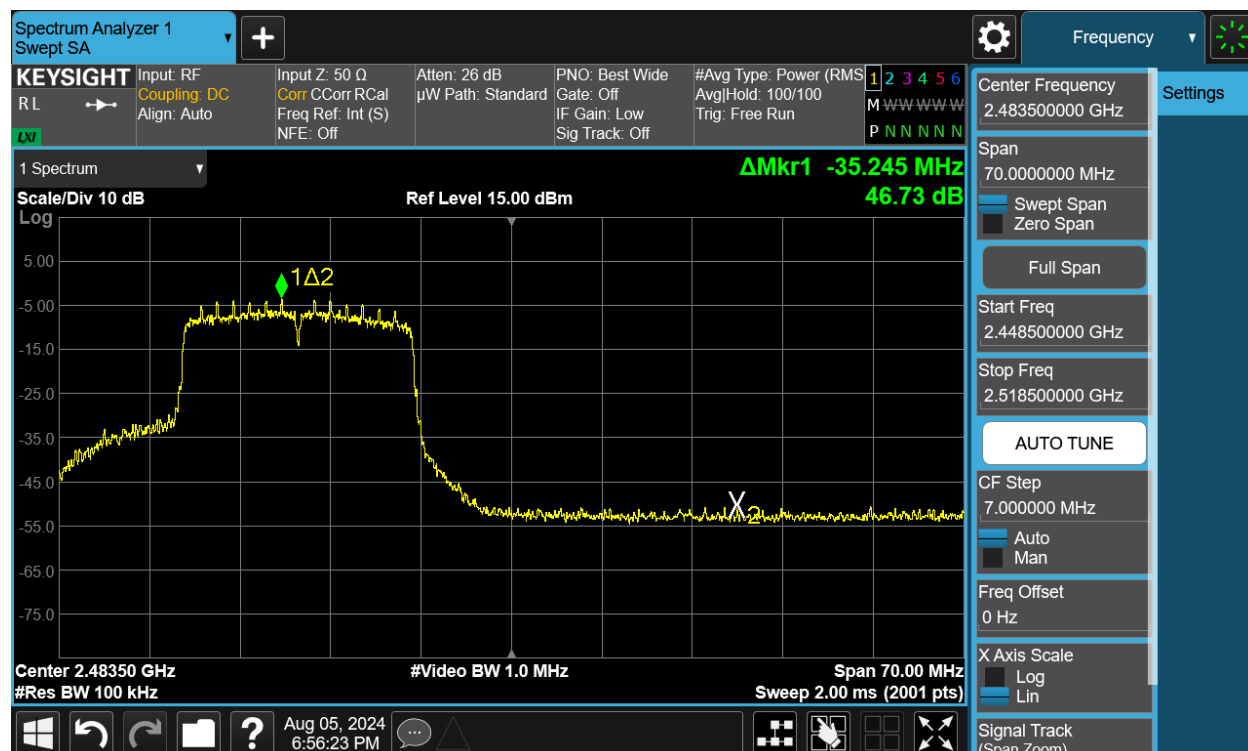


Plot 7-136. Band Edge Plot MIMO ANT1 (802.11g – Ch. 13)

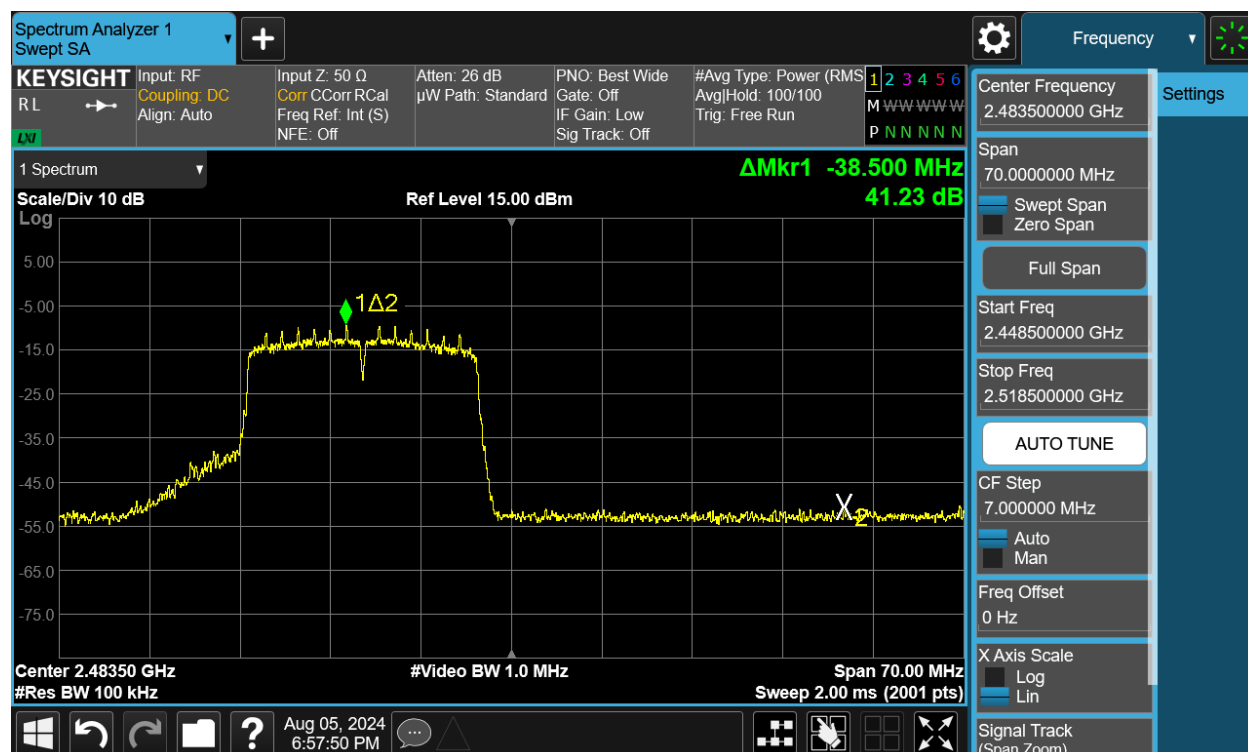
FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03-A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 97 of 150



FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-139. Band Edge Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 12)

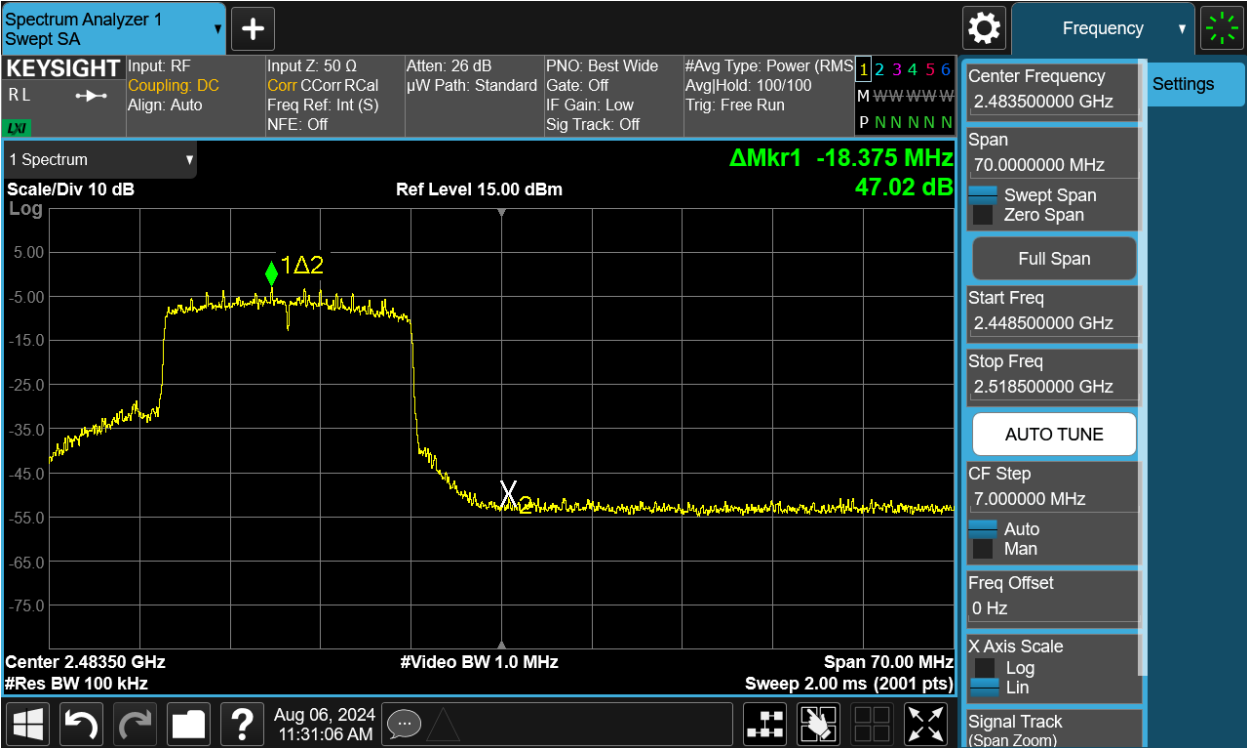


Plot 7-140. Band Edge Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 13)

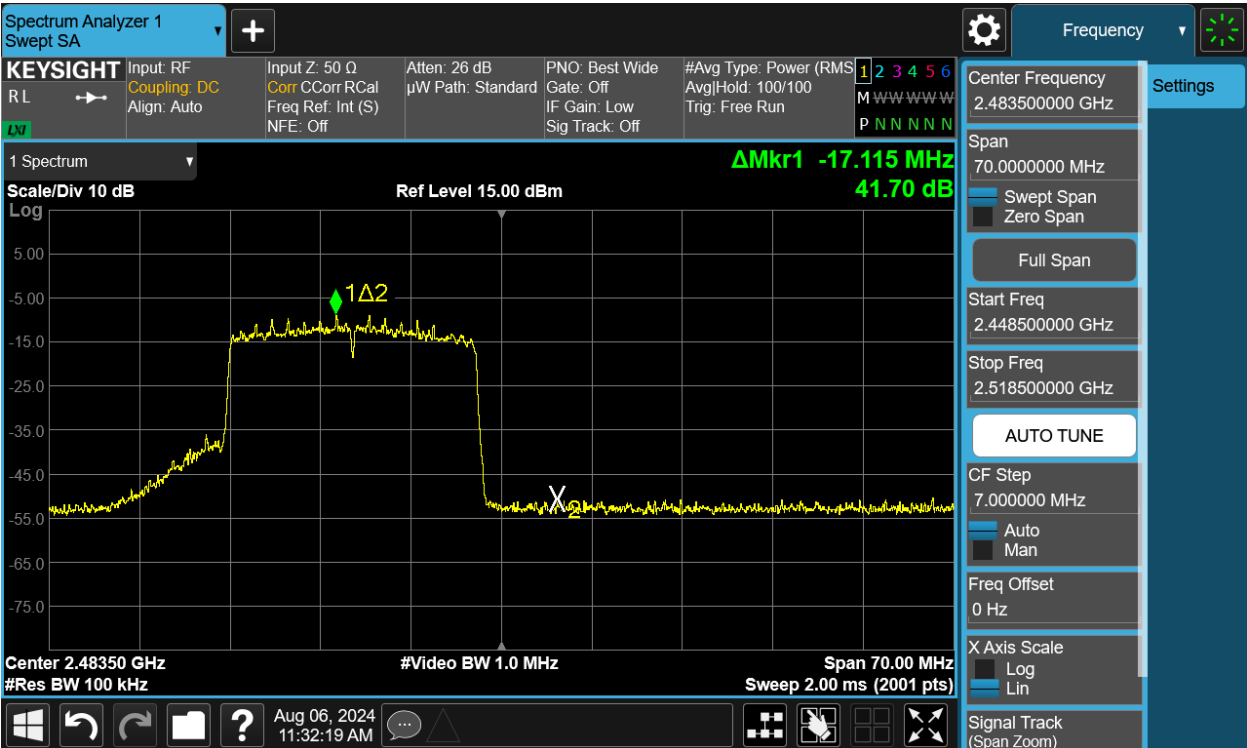
FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 99 of 150



FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 100 of 150

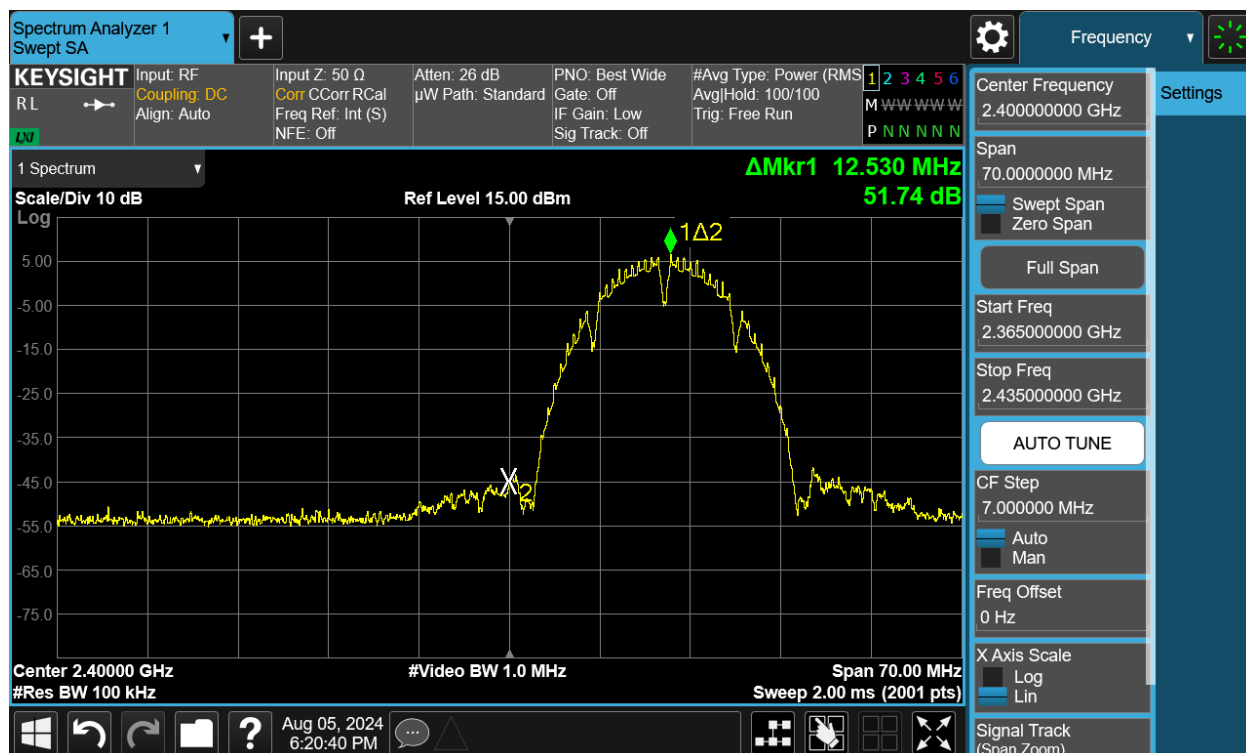


Plot 7-143. Band Edge Plot MIMO ANT1 (802.11be (2.4GHz) – Ch. 12)



Plot 7-144. Band Edge Plot MIMO ANT1 (802.11be (2.4GHz) – Ch. 13)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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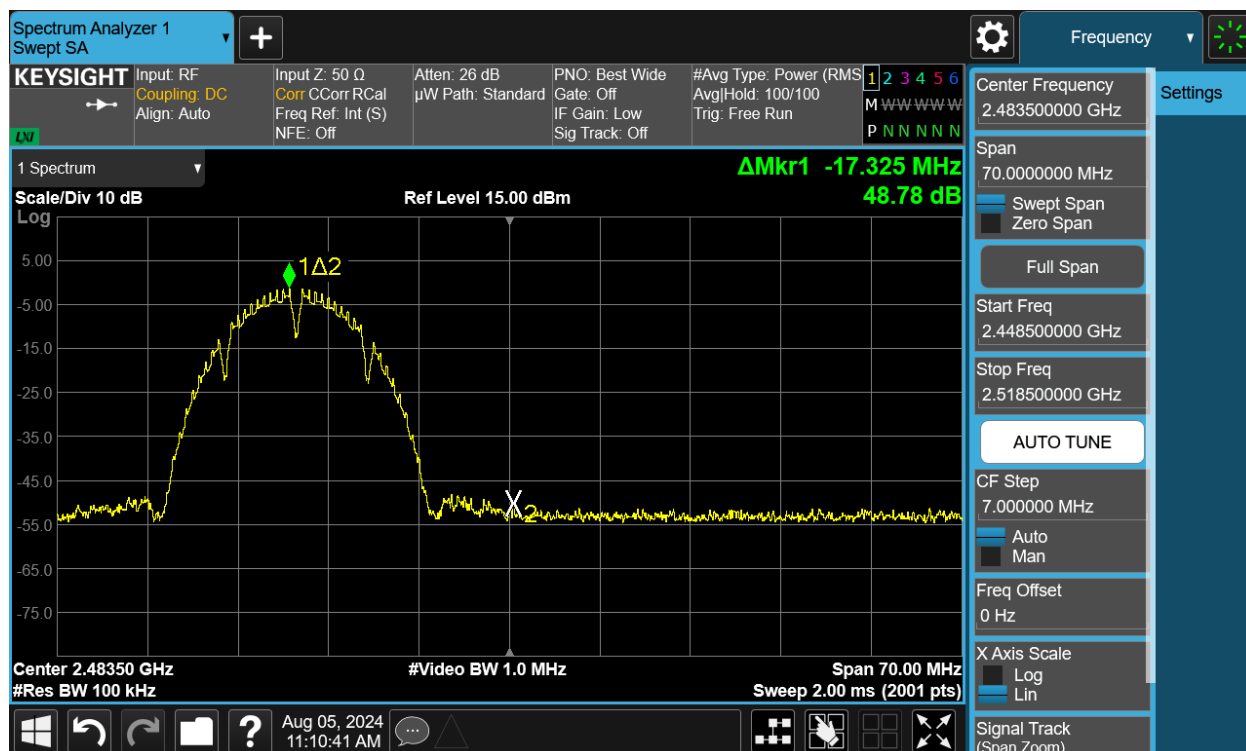


Plot 7-145. Band Edge Plot MIMO ANT2 (802.11b – Ch. 1)

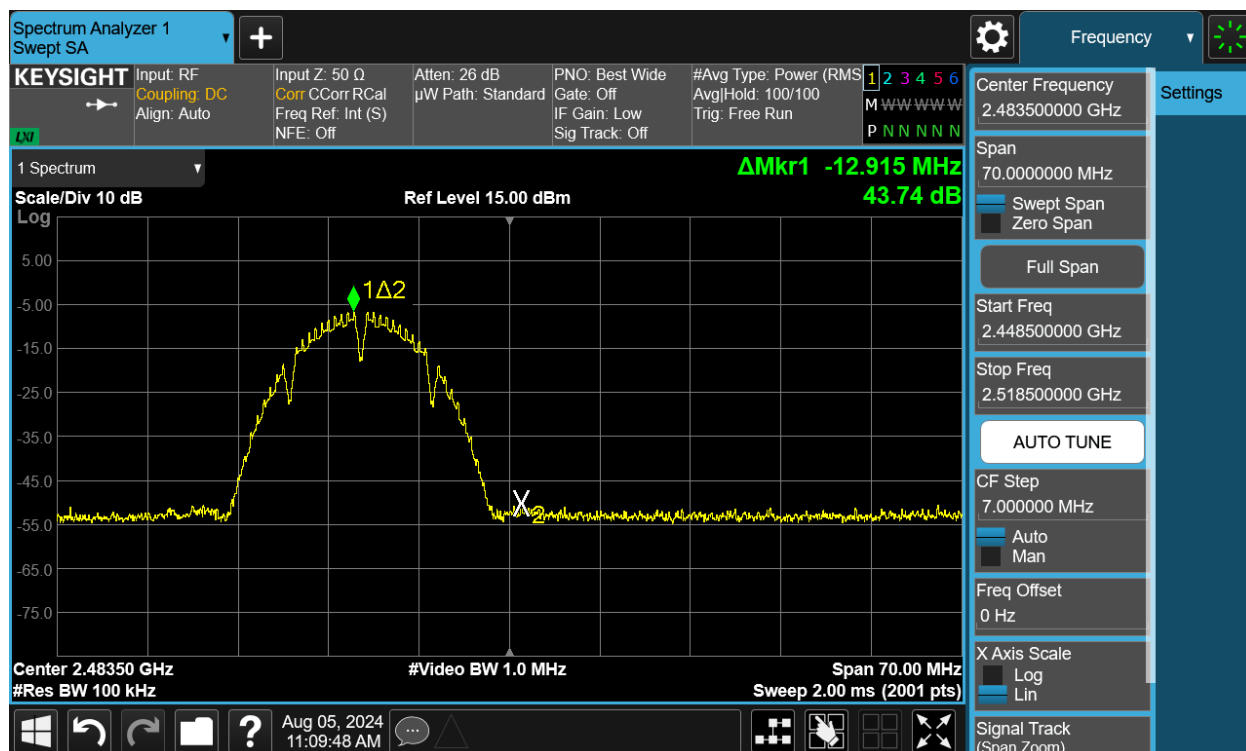


Plot 7-146. Band Edge Plot MIMO ANT2 (802.11b – Ch. 11)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03-A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 102 of 150

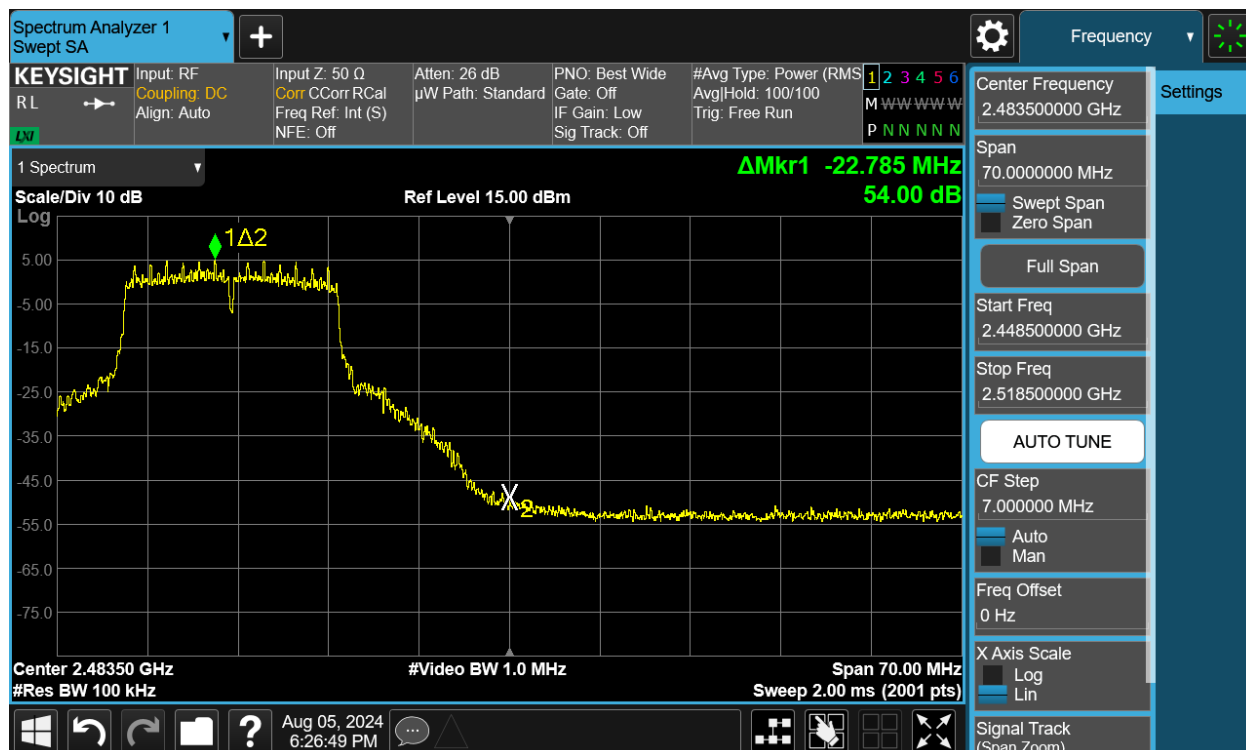
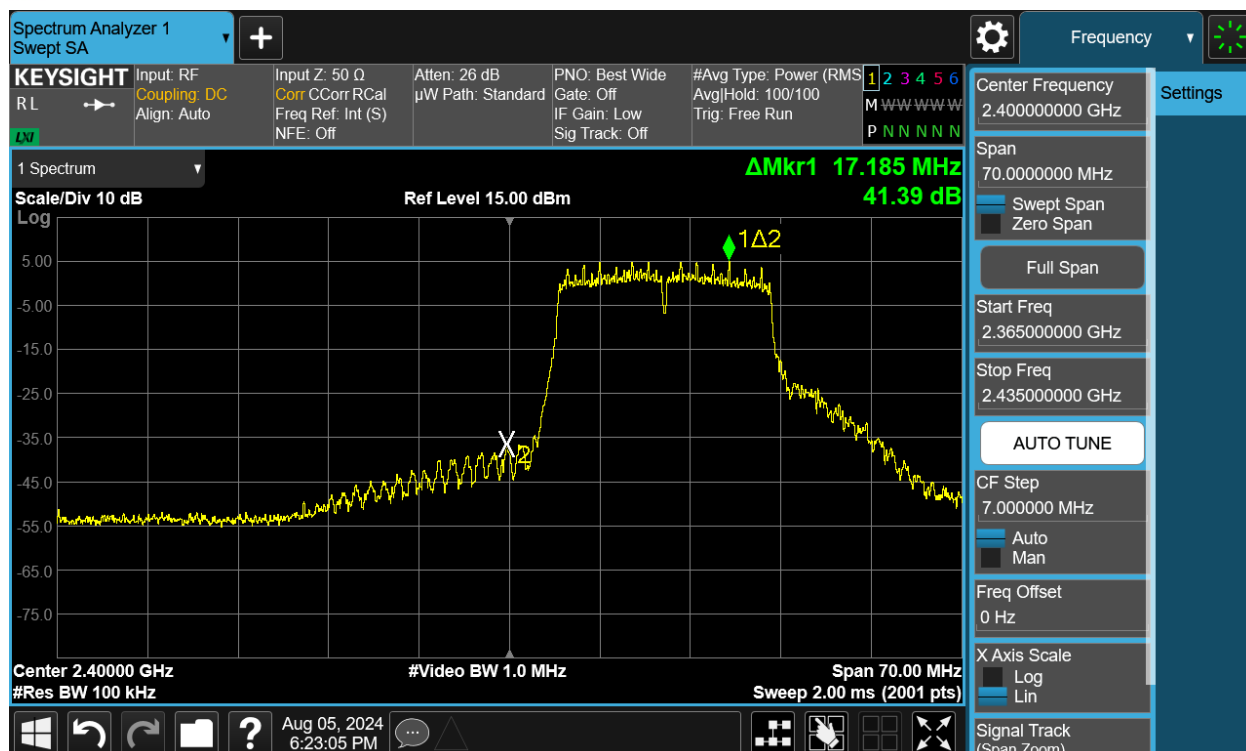


Plot 7-147. Band Edge Plot MIMO ANT2 (802.11b – Ch. 12)

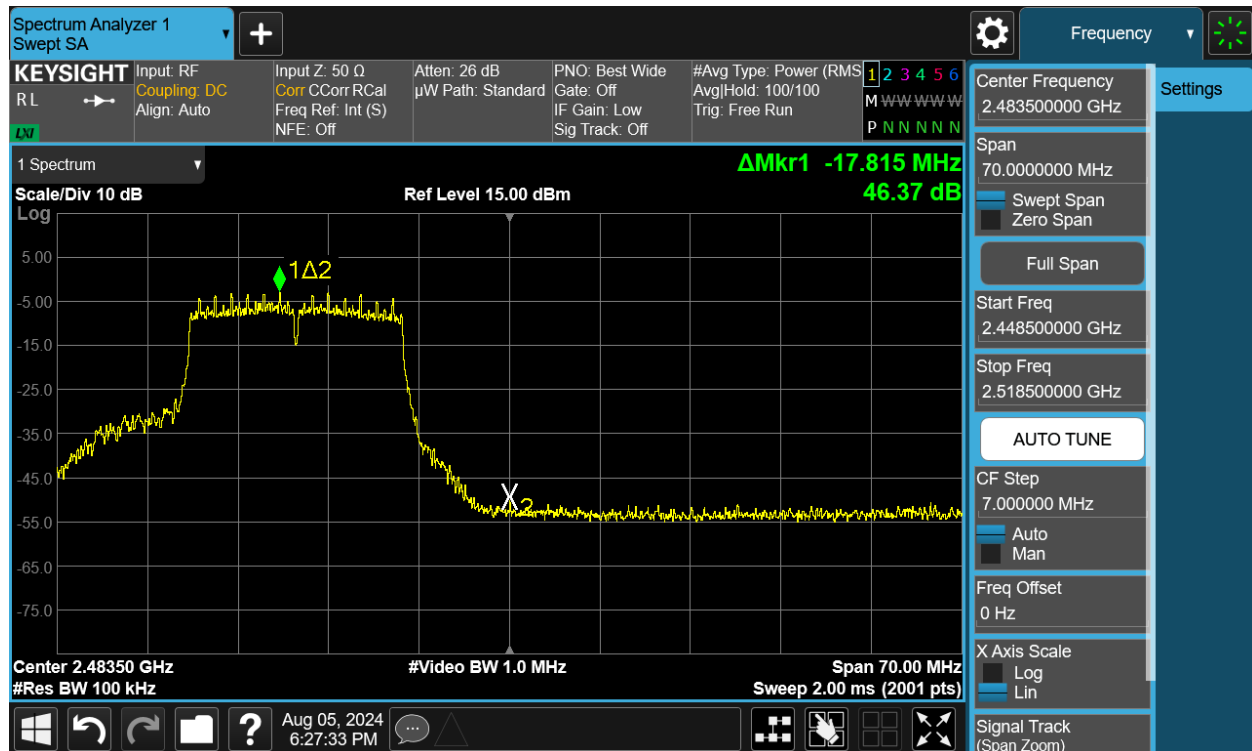


Plot 7-148. Band Edge Plot MIMO ANT2 (802.11b – Ch. 13)

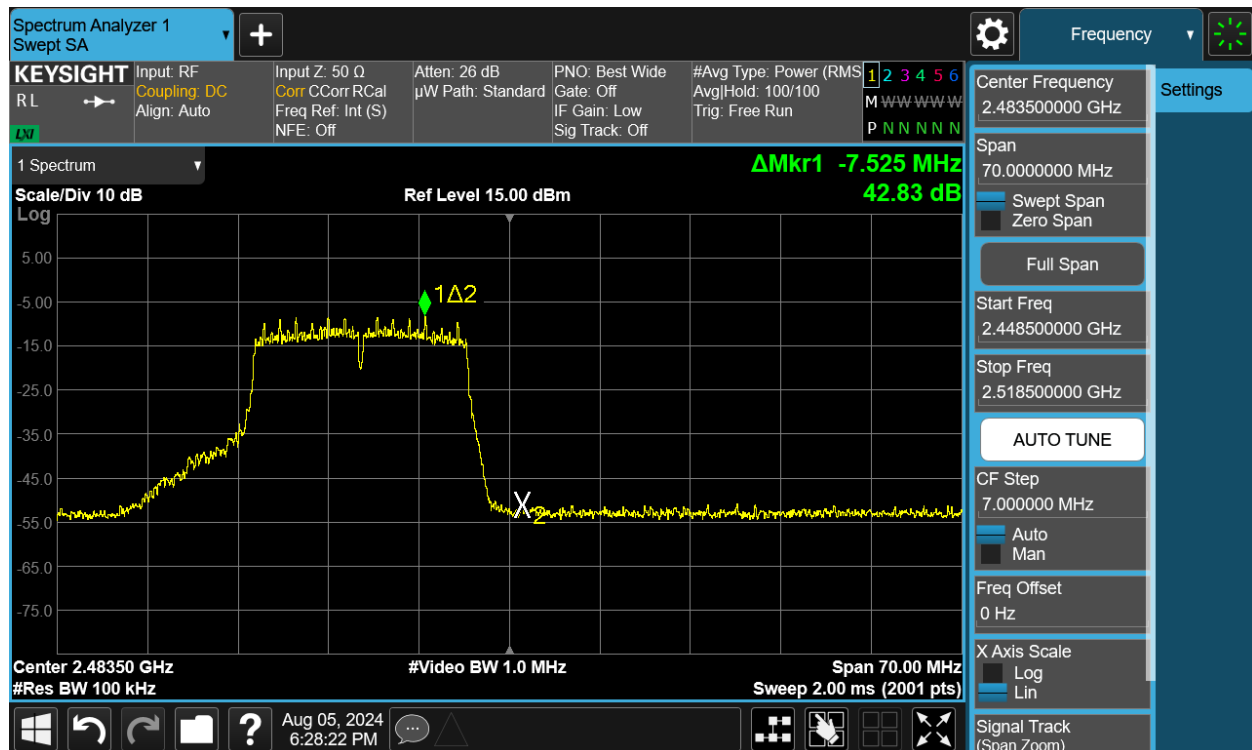
FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 103 of 150



FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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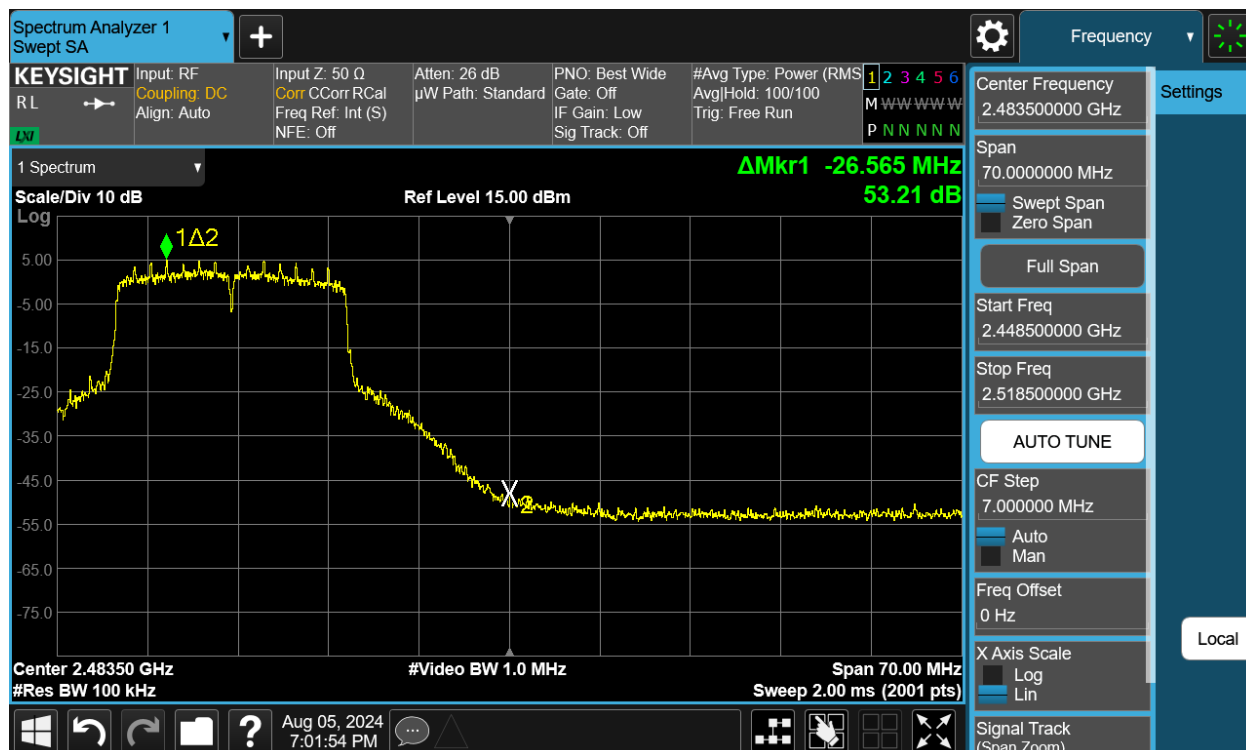
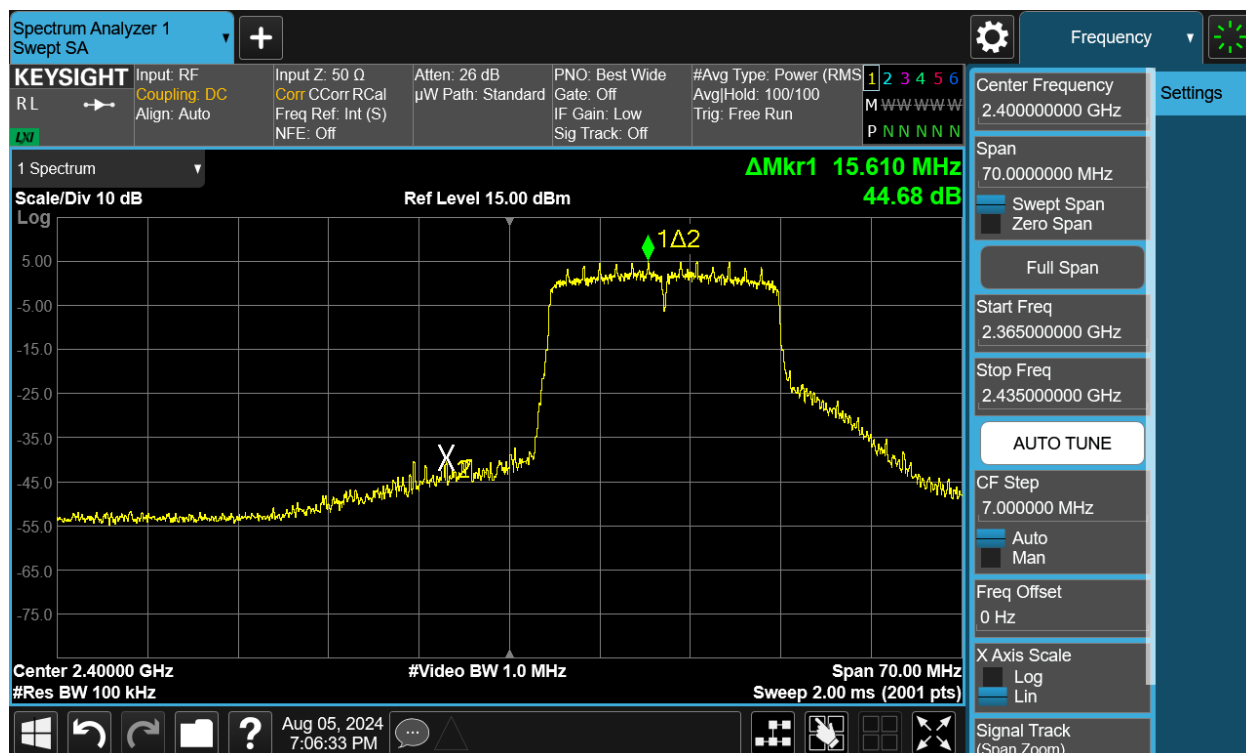


Plot 7-151. Band Edge Plot MIMO ANT2 (802.11g– Ch. 12)

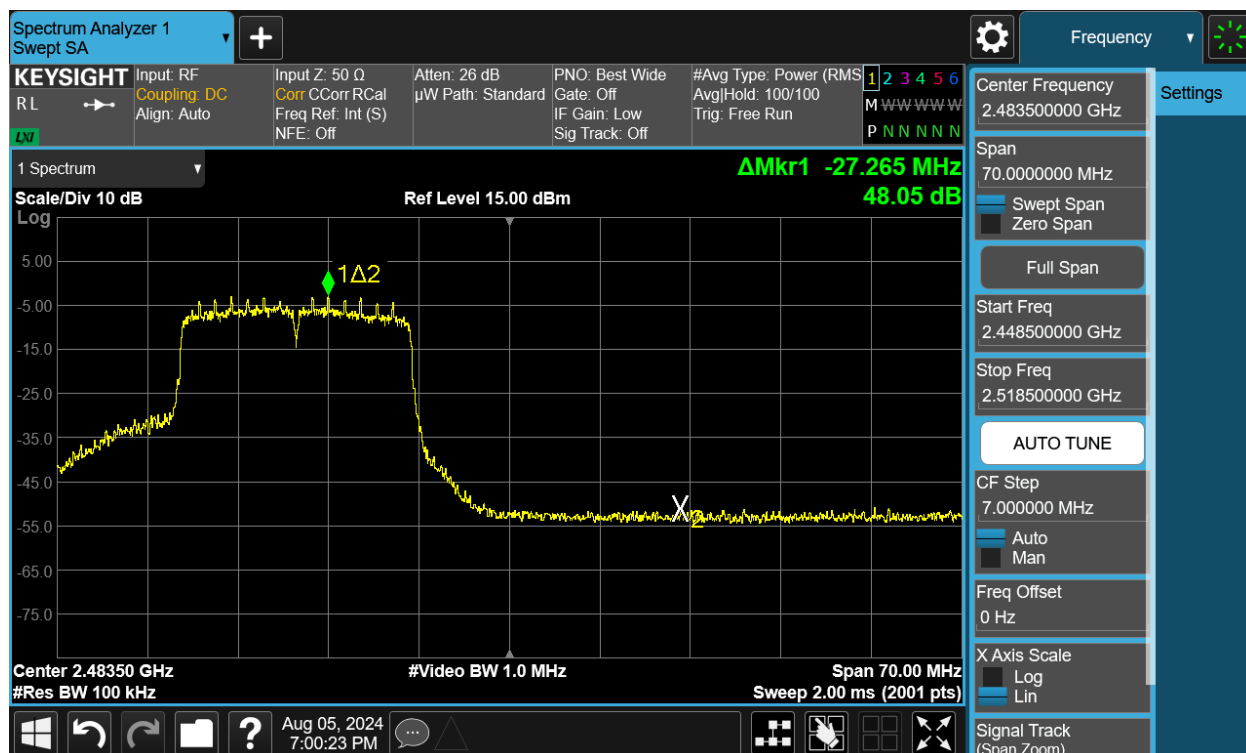


Plot 7-152. Band Edge Plot MIMO ANT2 (802.11g – Ch. 13)

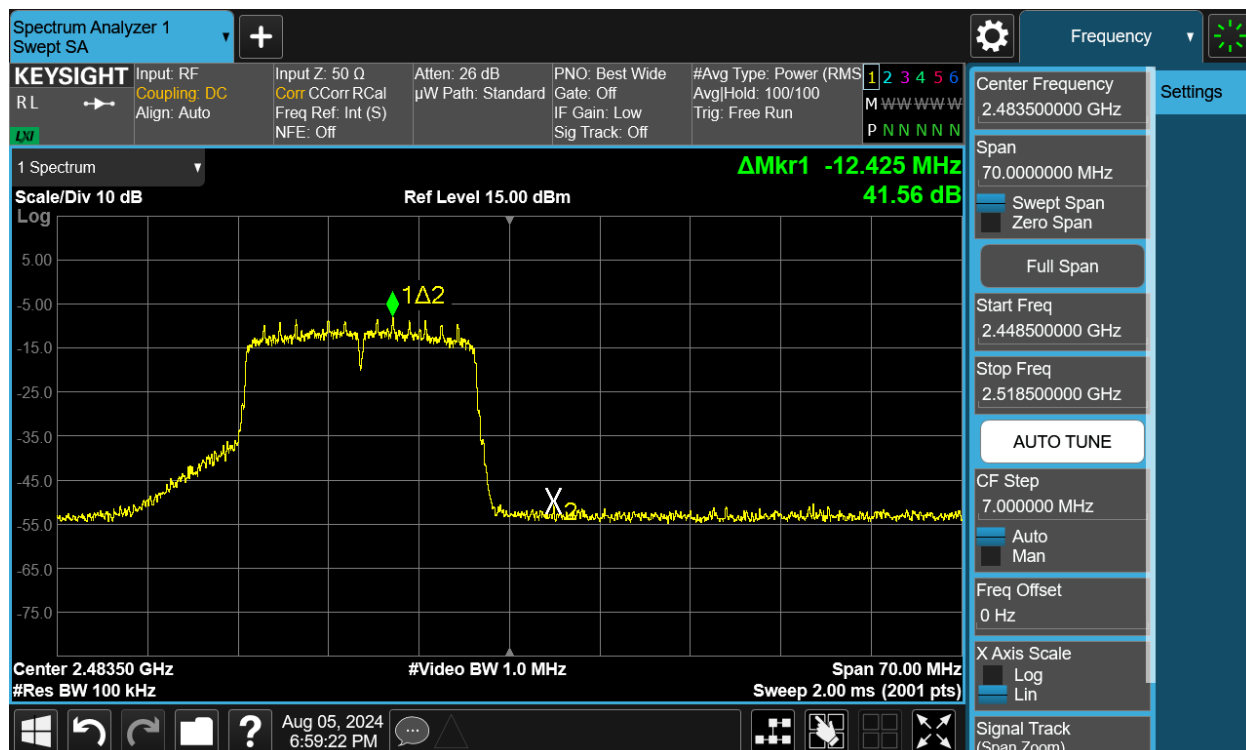
FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 105 of 150



FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 106 of 150

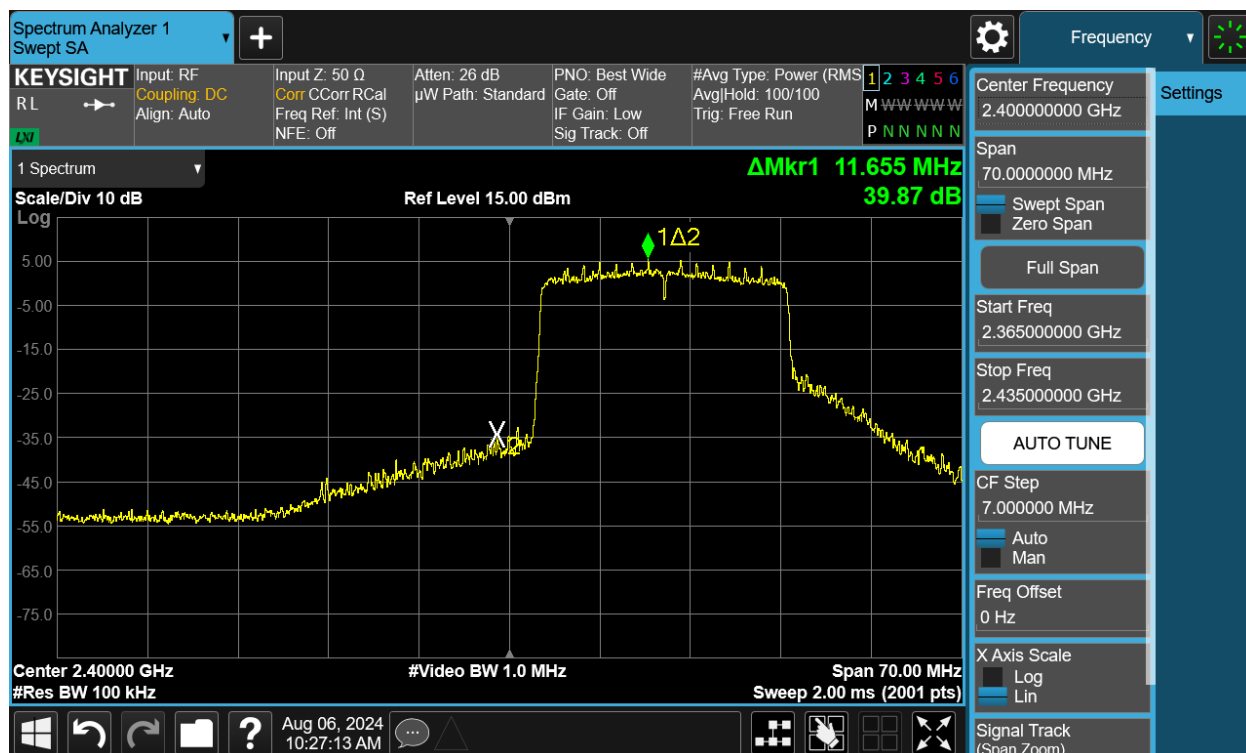


Plot 7-155. Band Edge Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 12)

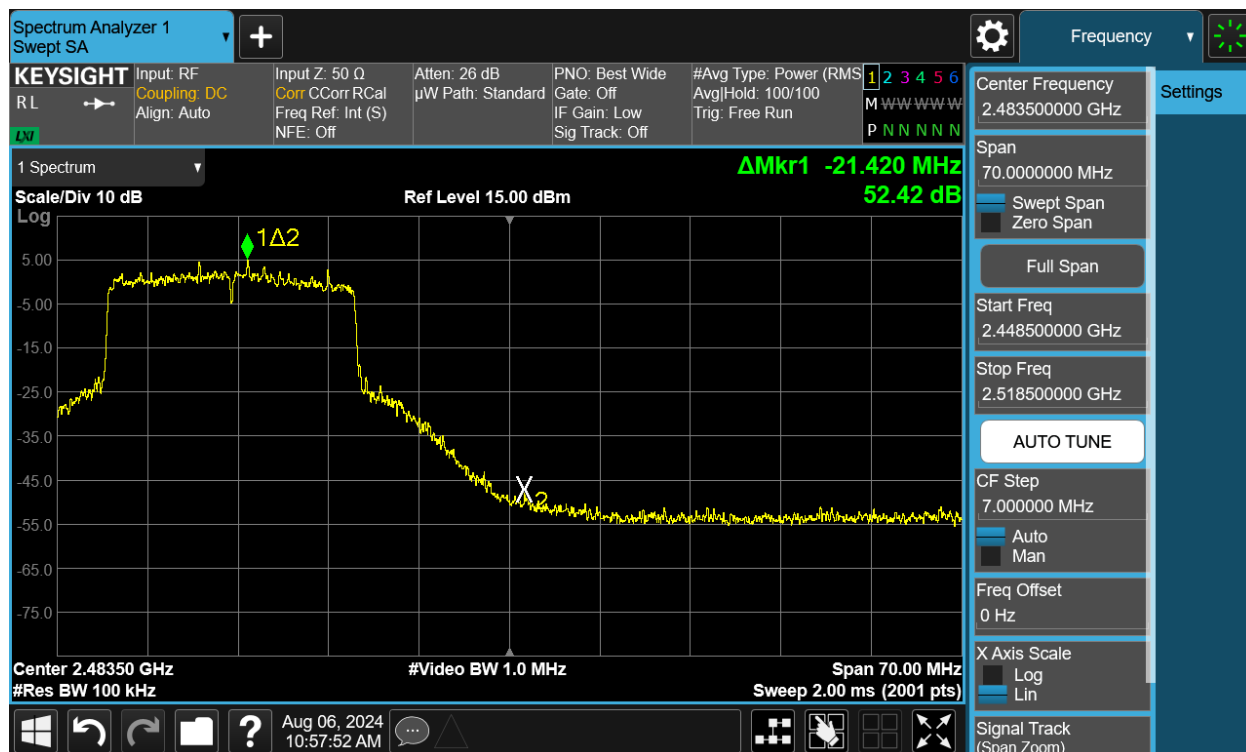


Plot 7-156. Band Edge Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 13)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03-A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 107 of 150

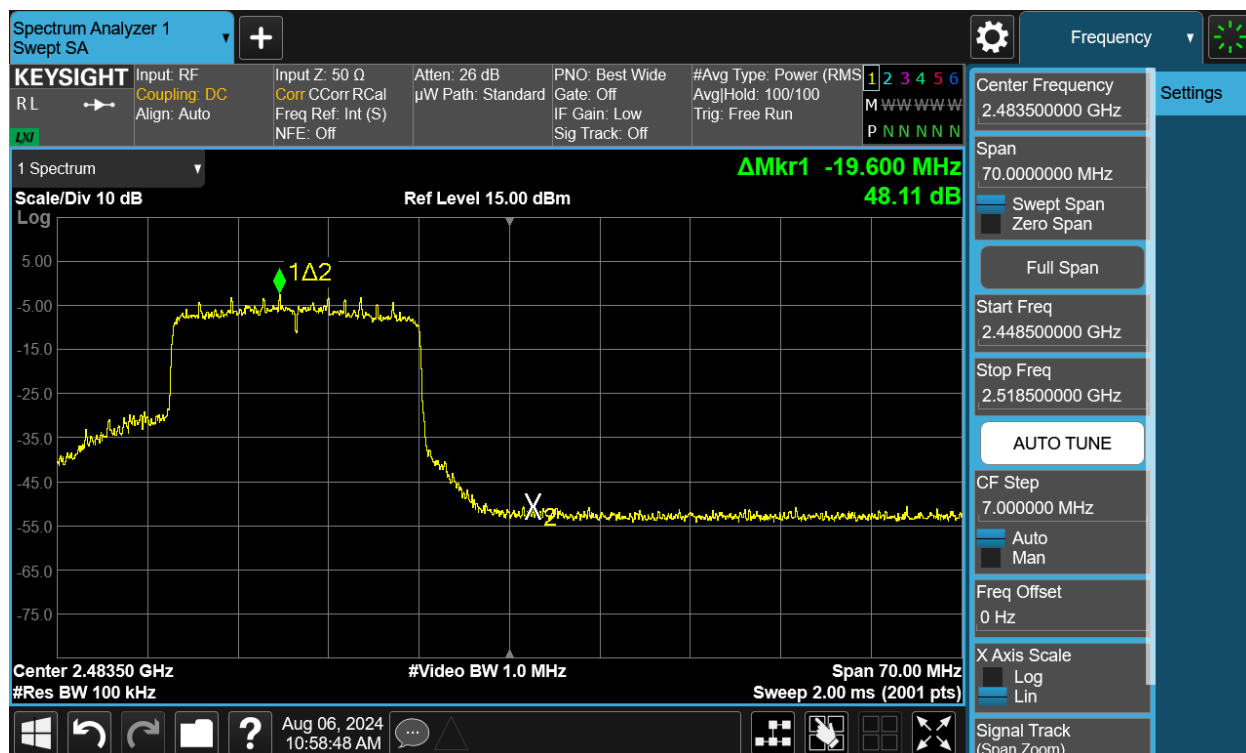


Plot 7-157. Band Edge Plot MIMO ANT2 (802.11be (2.4GHz) – Ch. 1)

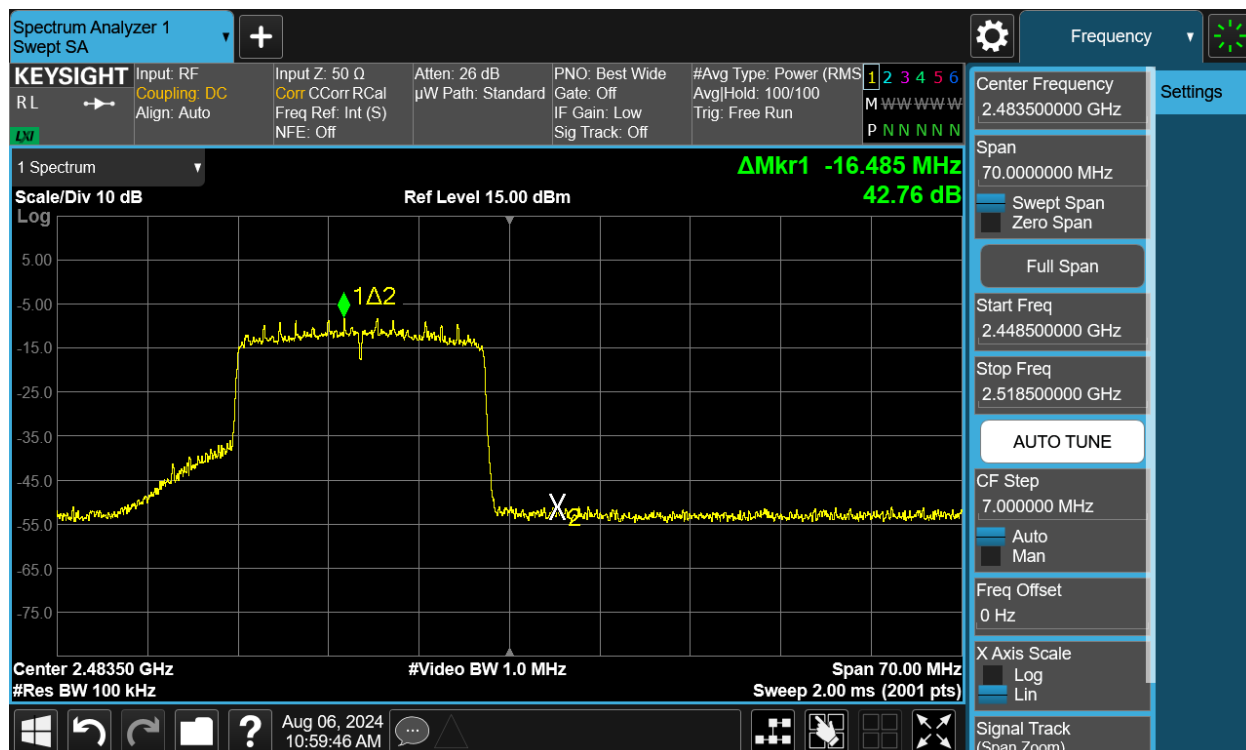


Plot 7-158. Band Edge Plot MIMO ANT2 (802.11be (2.4GHz) – Ch. 11)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-159. Band Edge Plot MIMO ANT2 (802.11be (2.4GHz) – Ch. 12)



Plot 7-160. Band Edge Plot MIMO ANT2 (802.11be (2.4GHz) – Ch. 13)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 109 of 150

7.6 Conducted Spurious Emissions

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 its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for “b”, “g”, “n”, “be” modes. The worst-case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 1 Mbps and are shown in the plots below.

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Section 11.11.3 of ANSI C63.10-2013.

Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3
ANSI C63.10-2013 – Section 14.3.3

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. 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. Test Instrument & Measurement Setup

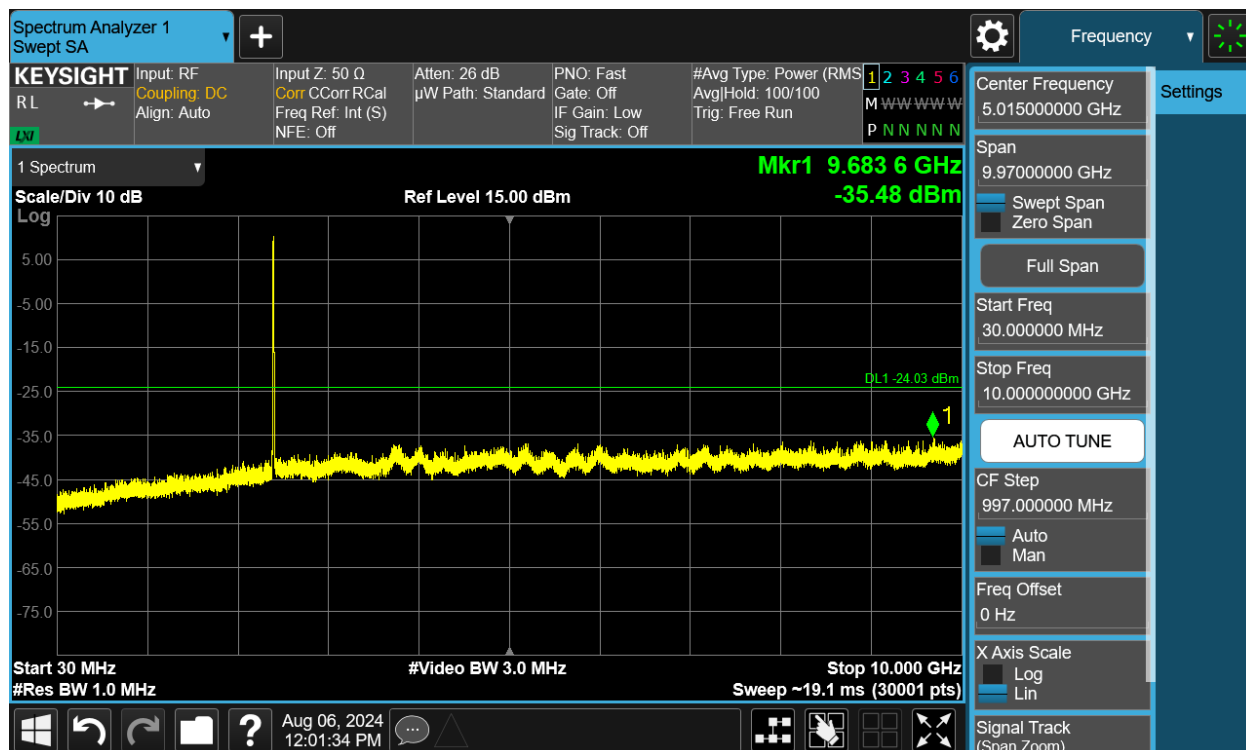
FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 110 of 150

Test Notes

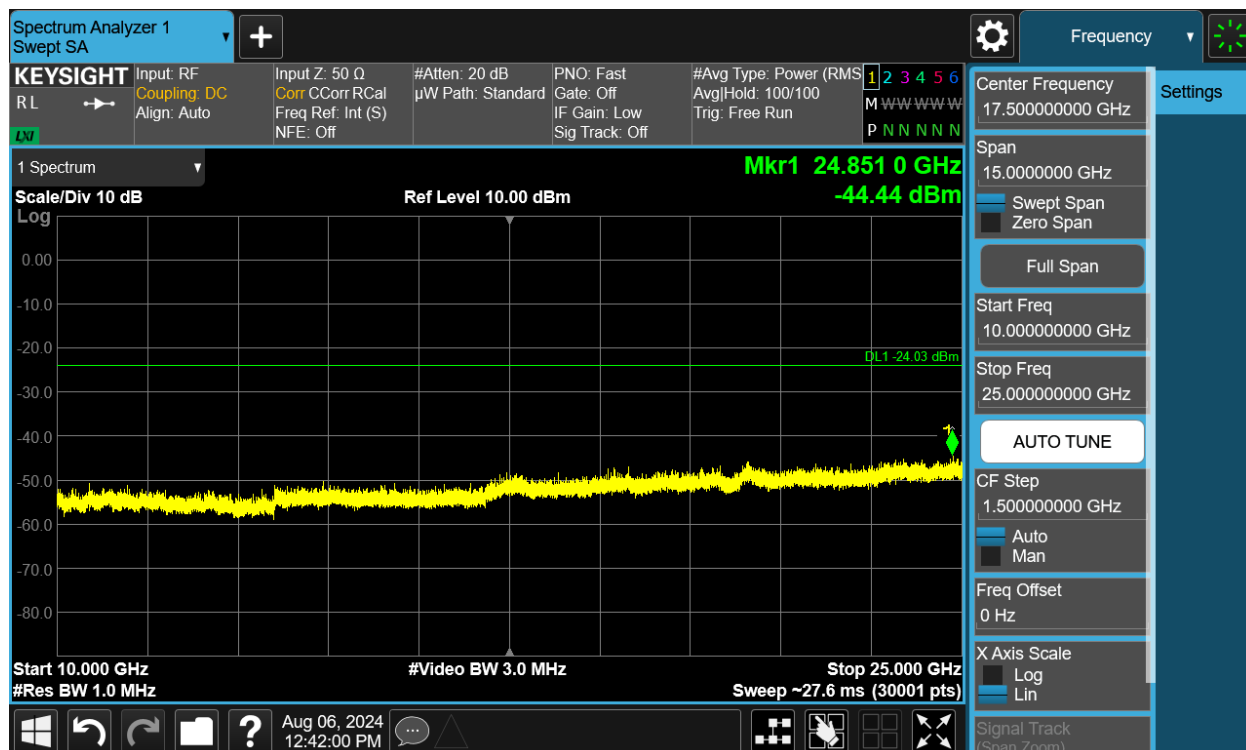
1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 30dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 30dB below the level of the fundamental in a 1MHz bandwidth.
3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
4. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10-2013 Section 14.3.3, it was unnecessary to show compliance through the summation of test results of the individual outputs.

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.6.1 SISO Antenna-1 Conducted Spurious Emission

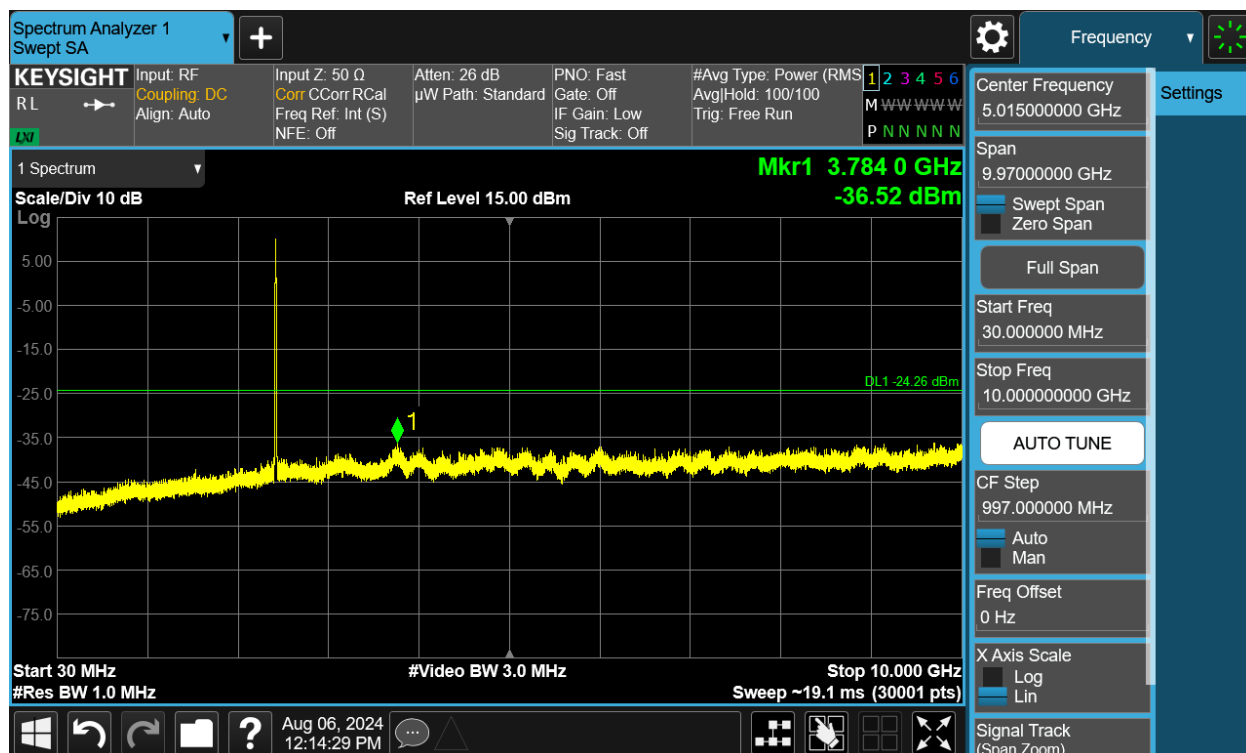


Plot 7-161. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 1)

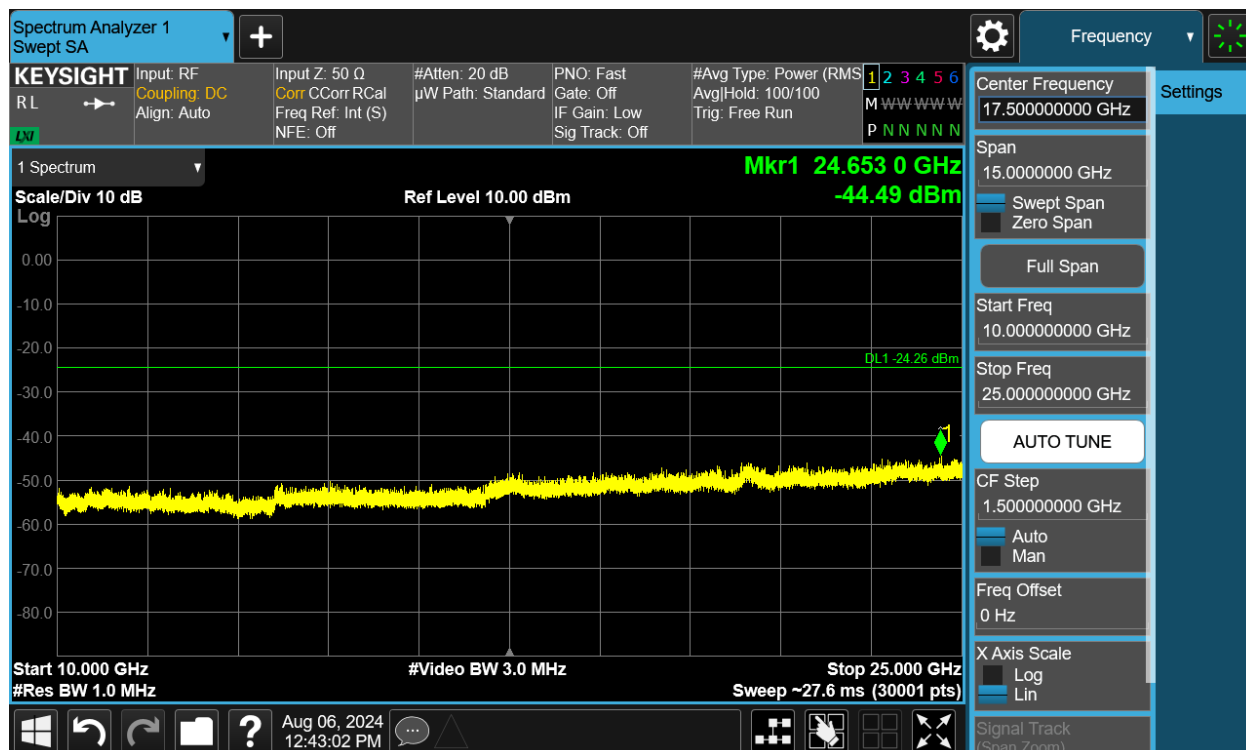


Plot 7-162. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 1)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03.A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 112 of 150

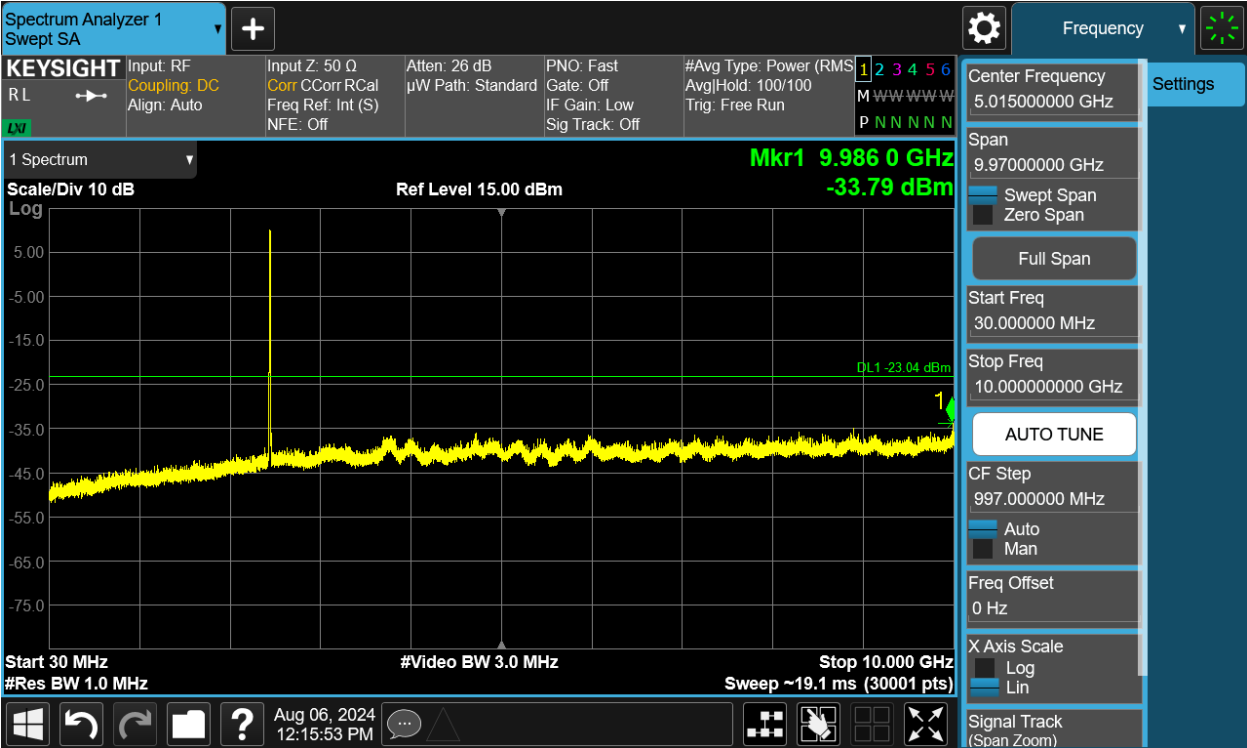


Plot 7-163. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 6)

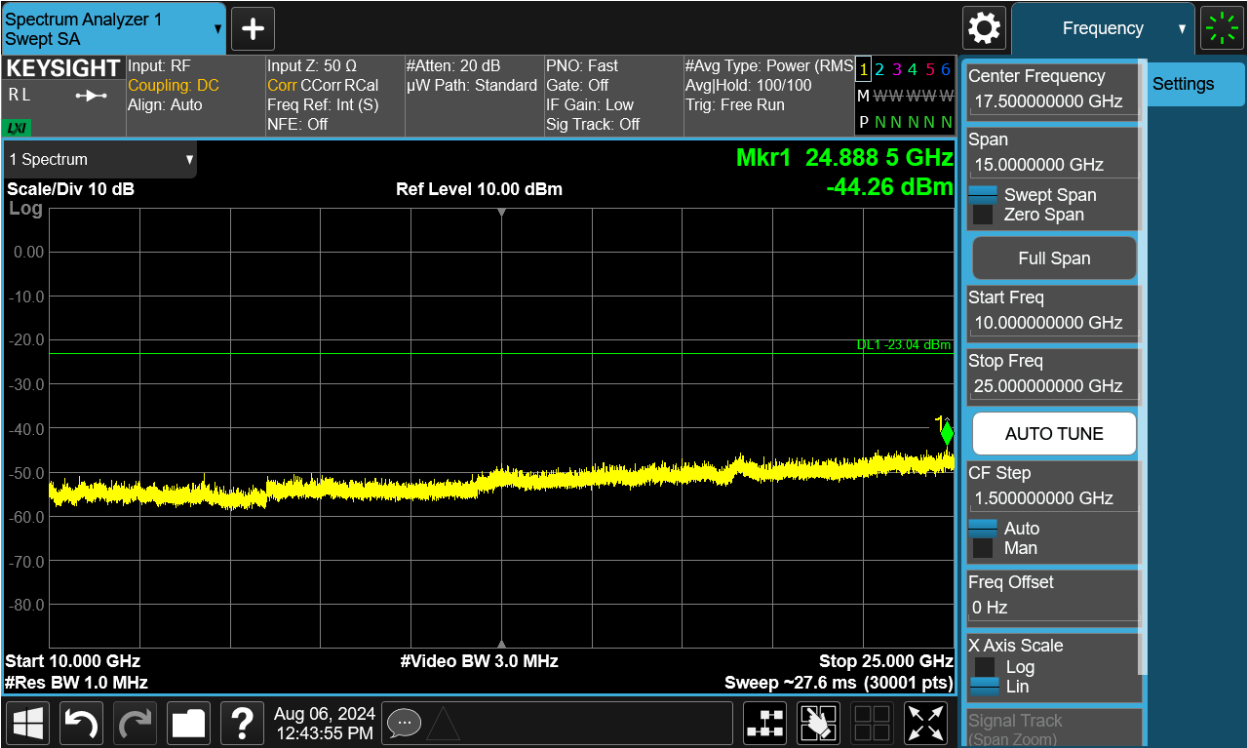


Plot 7-164. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 6)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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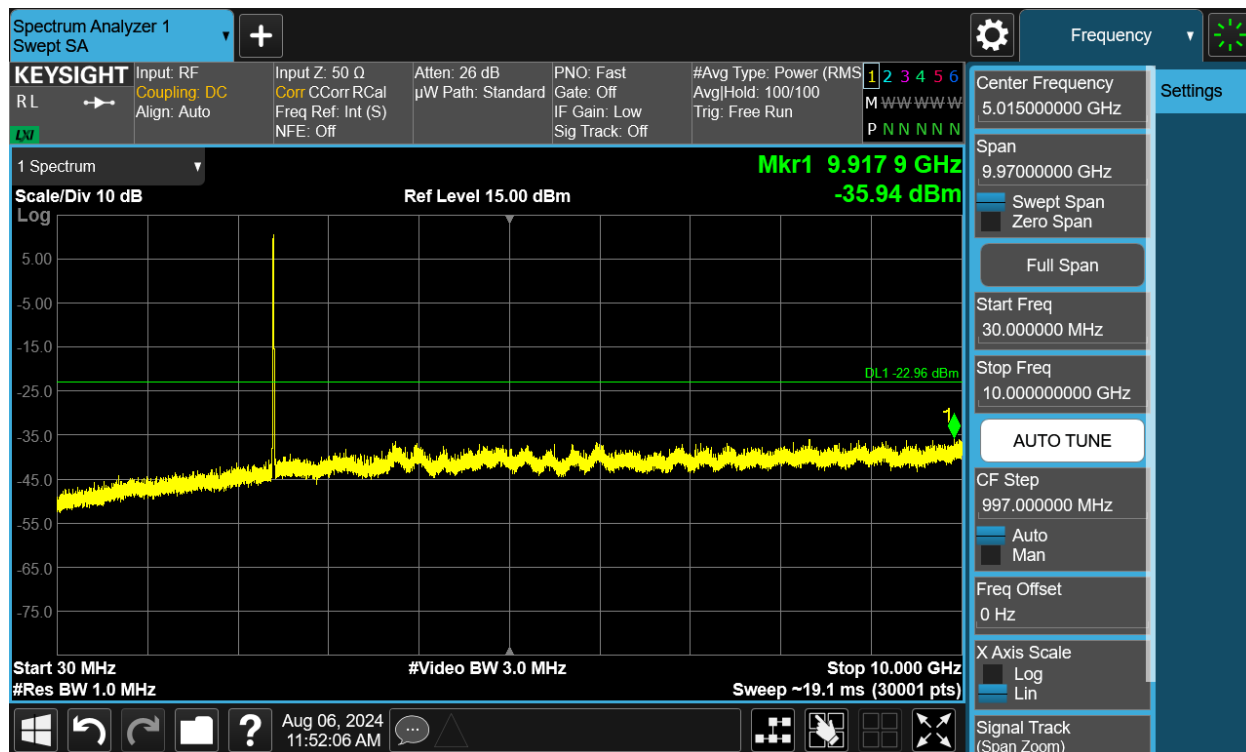
Plot 7-165. Conducted Spurious Plot SISO ANT1 (802.11b - Ch. 11)



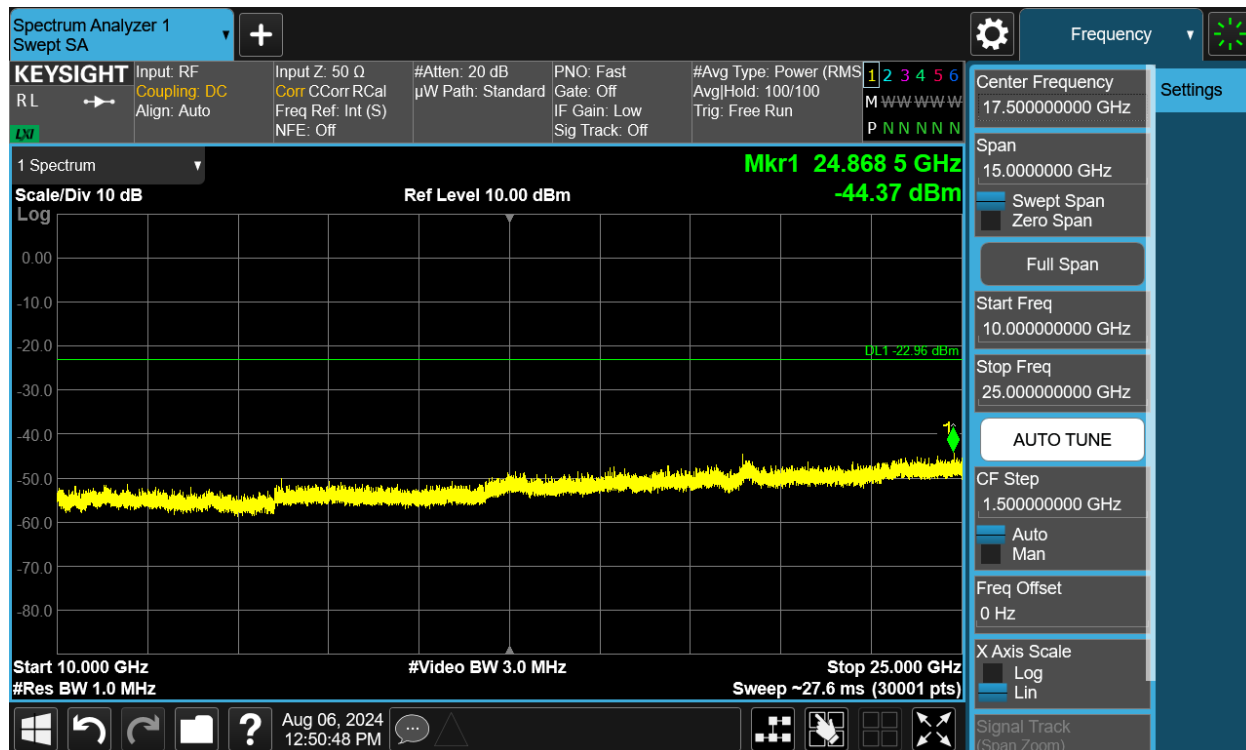
Plot 7-166. Conducted Spurious Plot SISO ANT1 (802.11b - Ch. 11)

FCC ID: A3LSMX920		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.6.2 SISO Antenna-2 Conducted Spurious Emissions

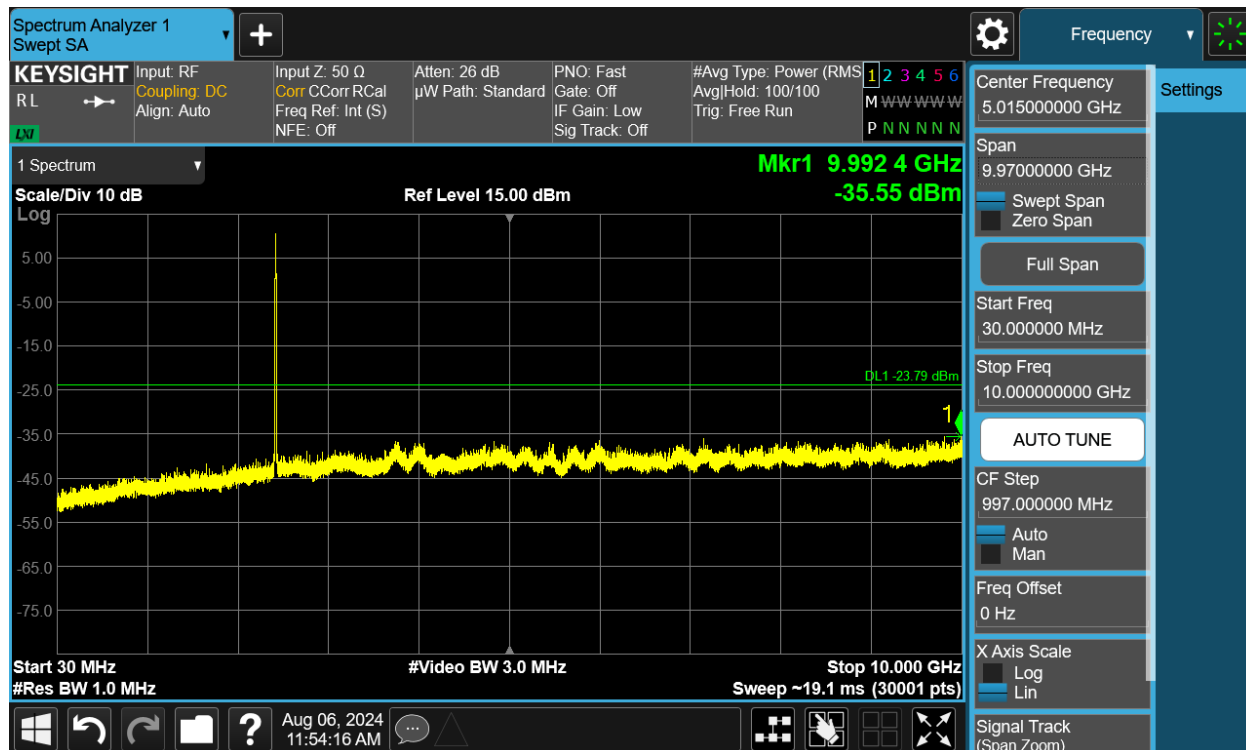


Plot 7-167. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 1)

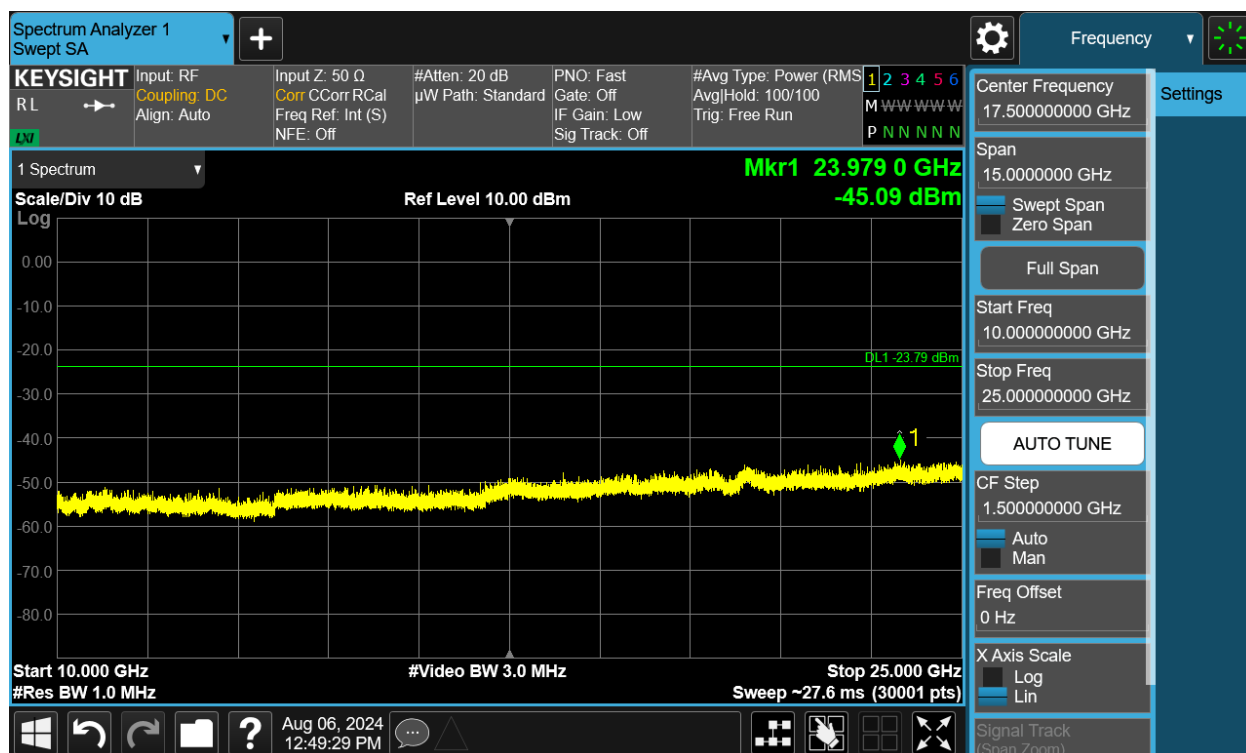


Plot 7-168. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 1)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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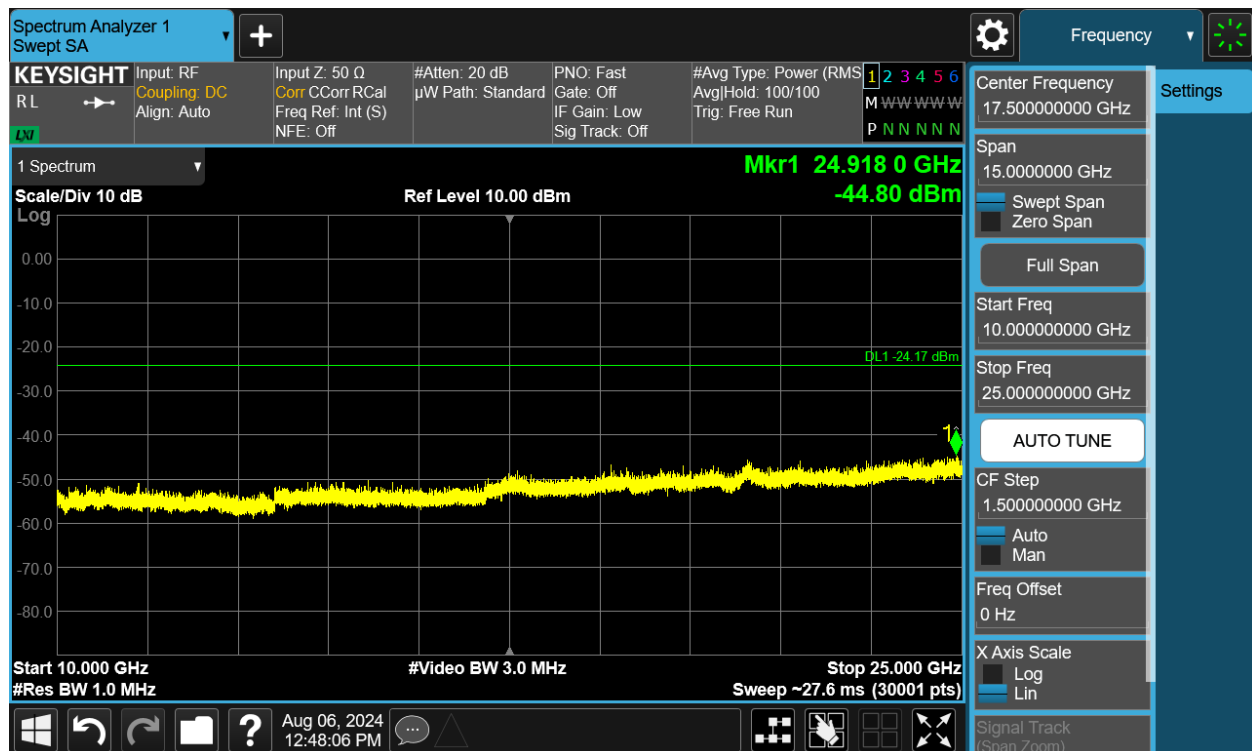
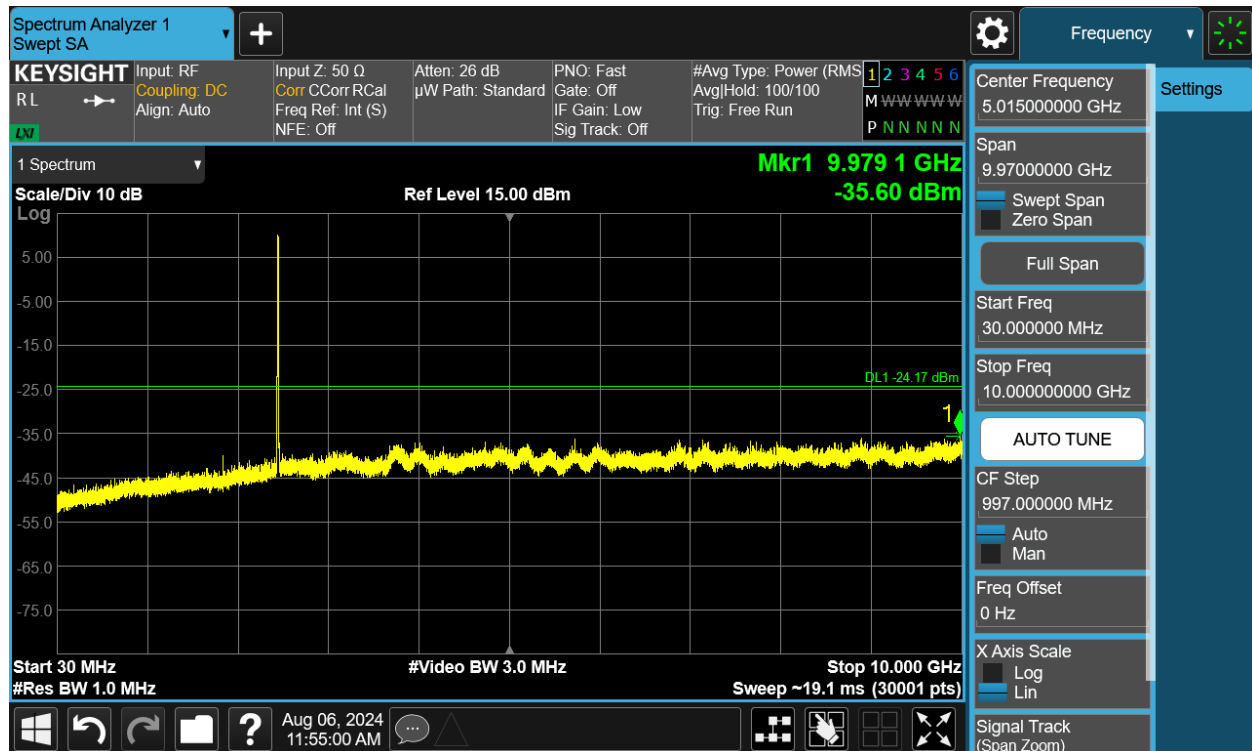


Plot 7-169. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 6)



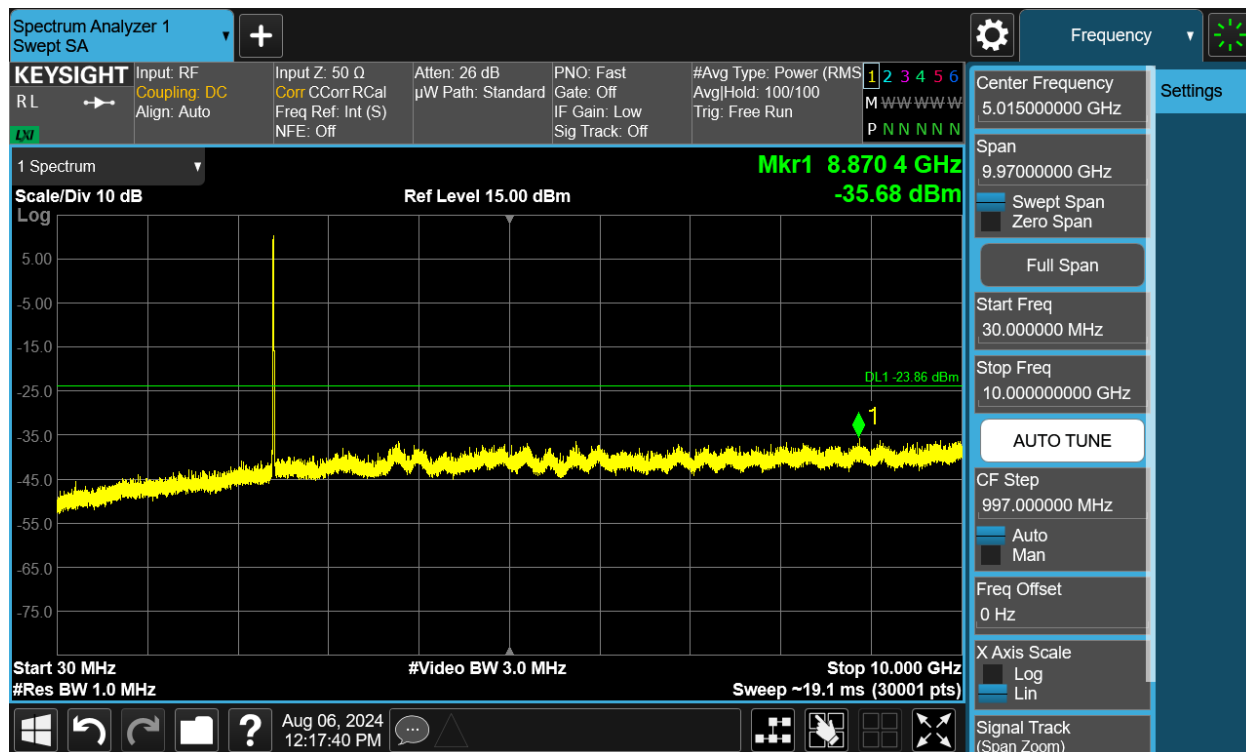
Plot 7-170. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 6)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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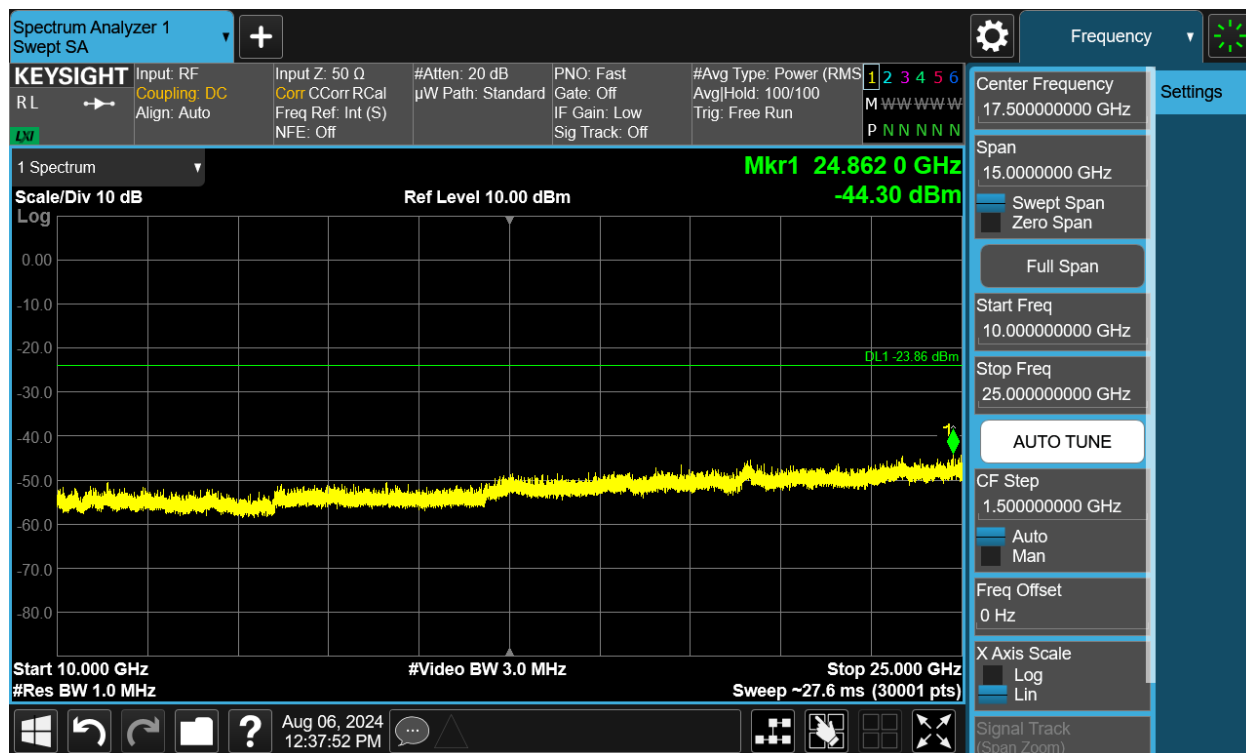


FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140042-03-A3L	Test Dates: 06/17/2024 - 08/08/2024	EUT Type: Portable Tablet	Page 117 of 150

7.6.3 MIMO Conducted Spurious Emissions

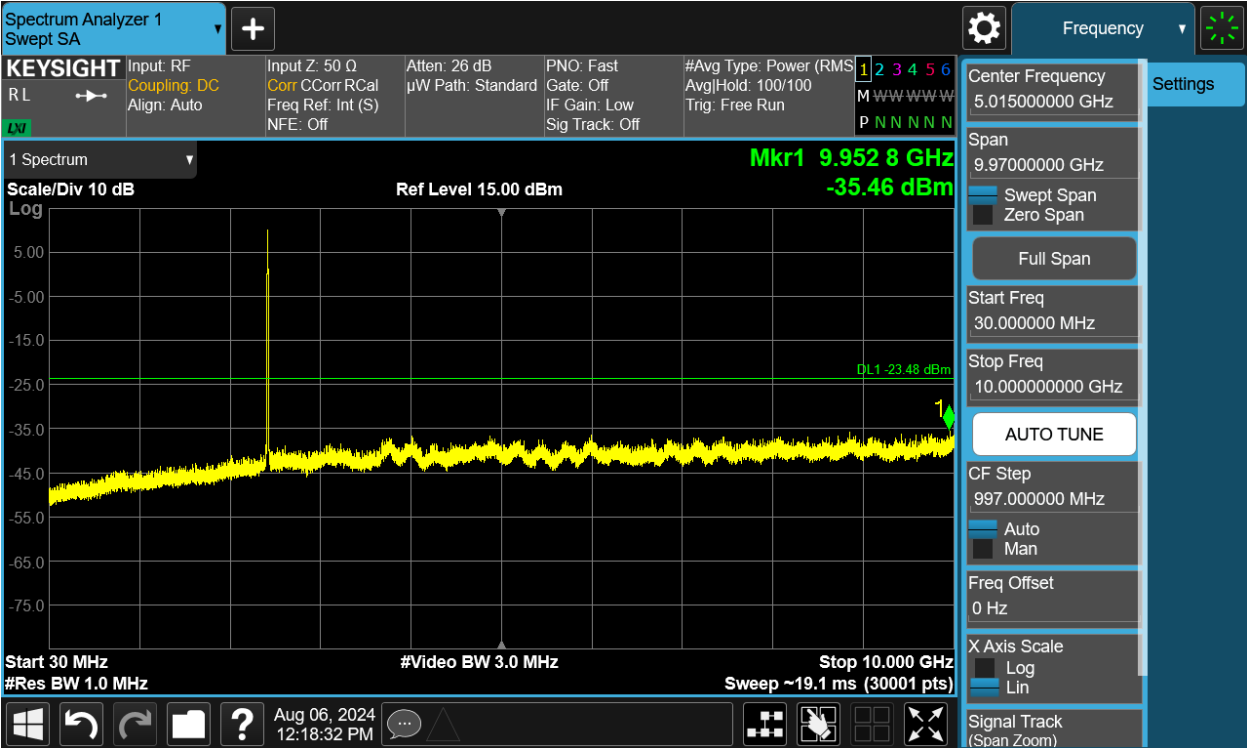


Plot 7-173. Conducted Spurious Plot MIMO ANT1 (802.11b – Ch. 1)

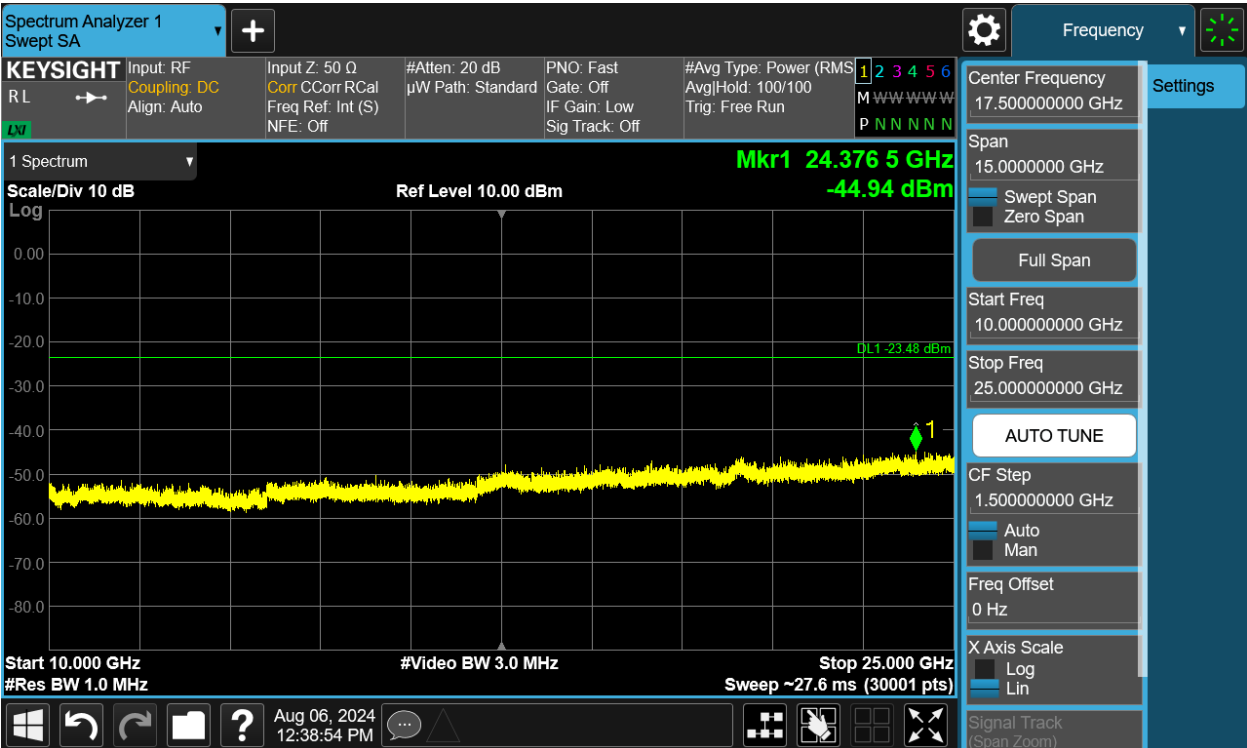


Plot 7-174. Conducted Spurious Plot MIMO ANT1 (802.11b – Ch. 1)

FCC ID: A3LSMX920	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-175. Conducted Spurious Plot MIMO ANT1 (802.11b – Ch. 6)



Plot 7-176. Conducted Spurious Plot MIMO ANT1 (802.11b – Ch. 6)

FCC ID: A3LSMX920		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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