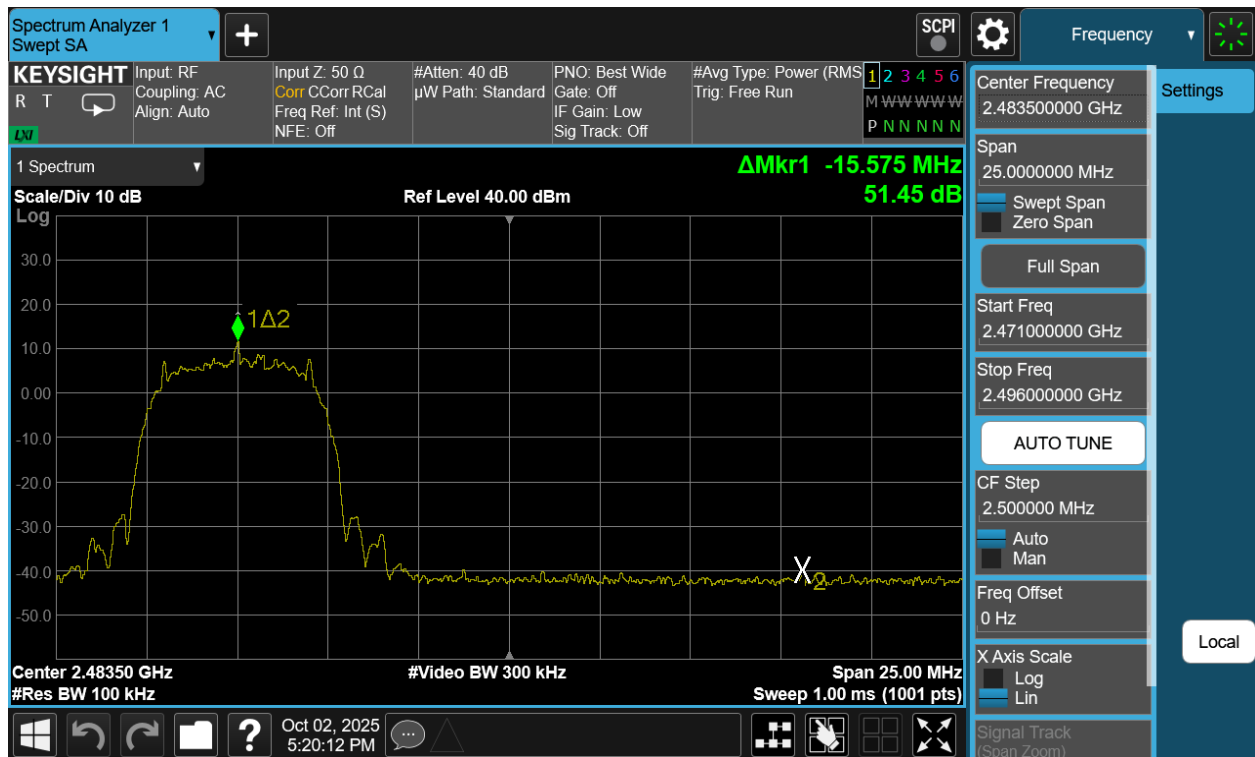
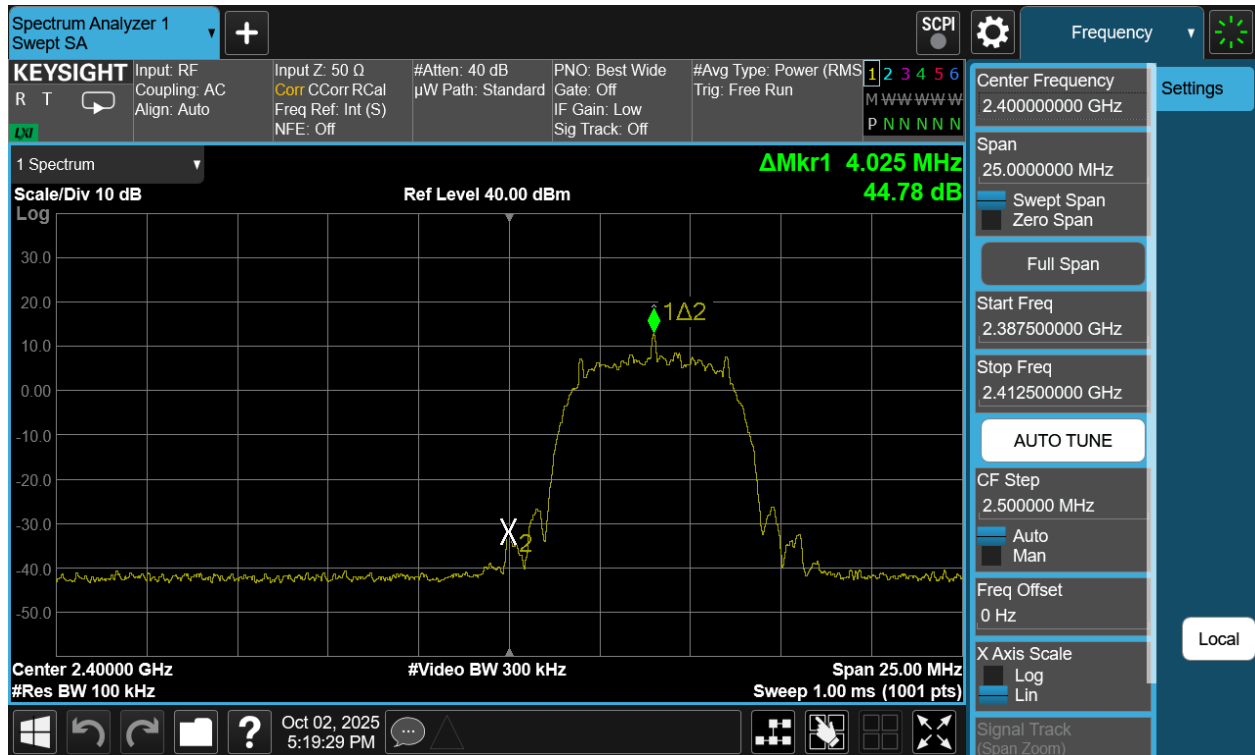
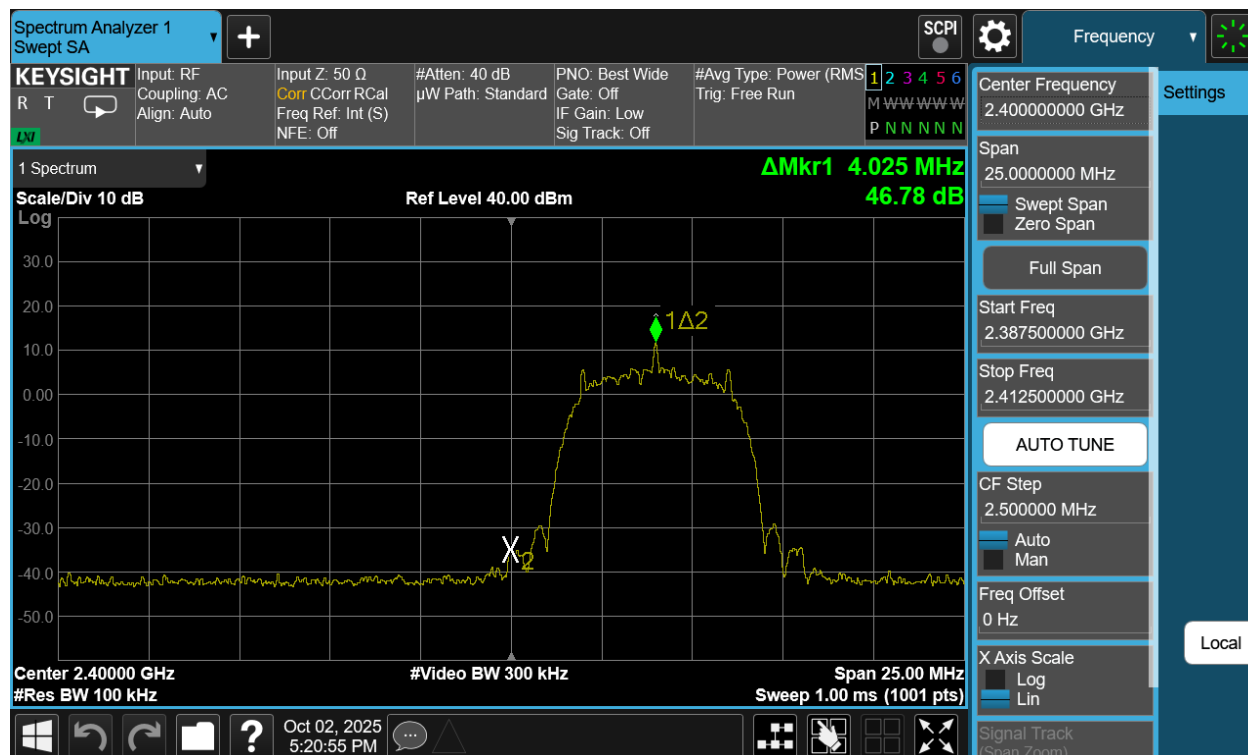
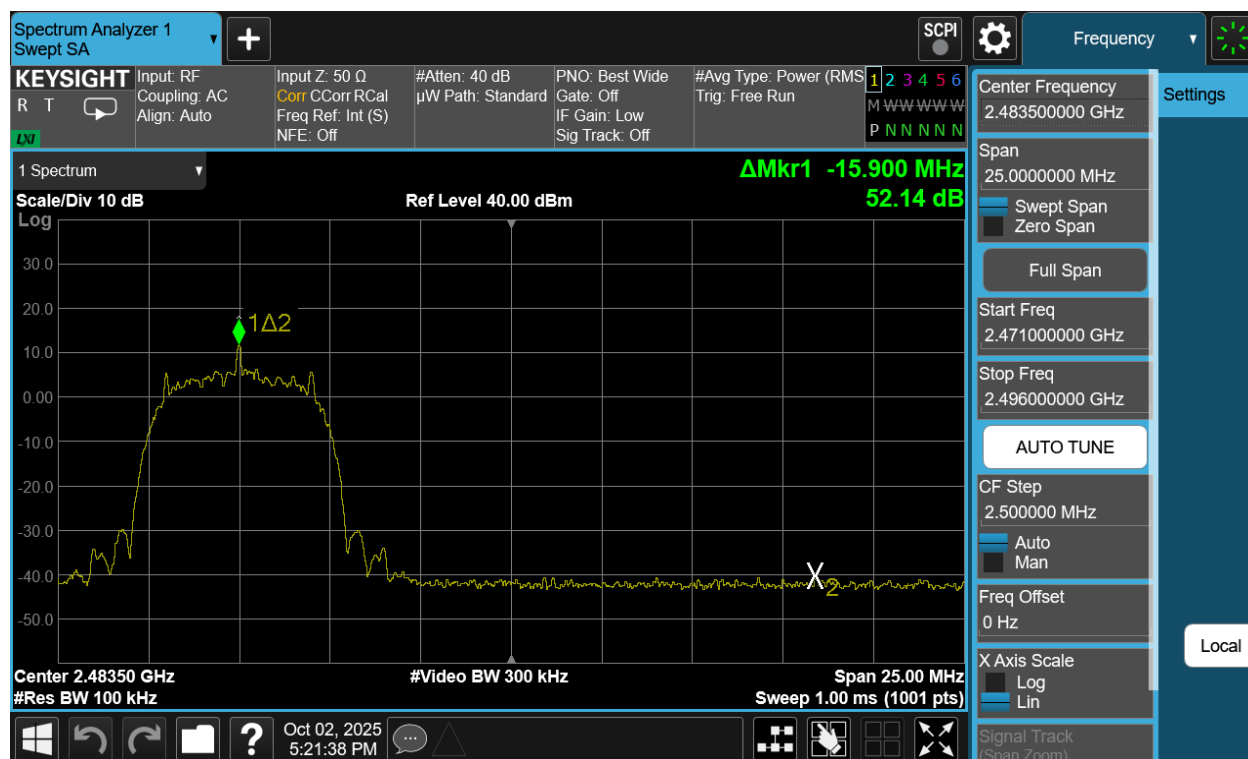




FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 155 of 222



Plot 7-237. Band Edge Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

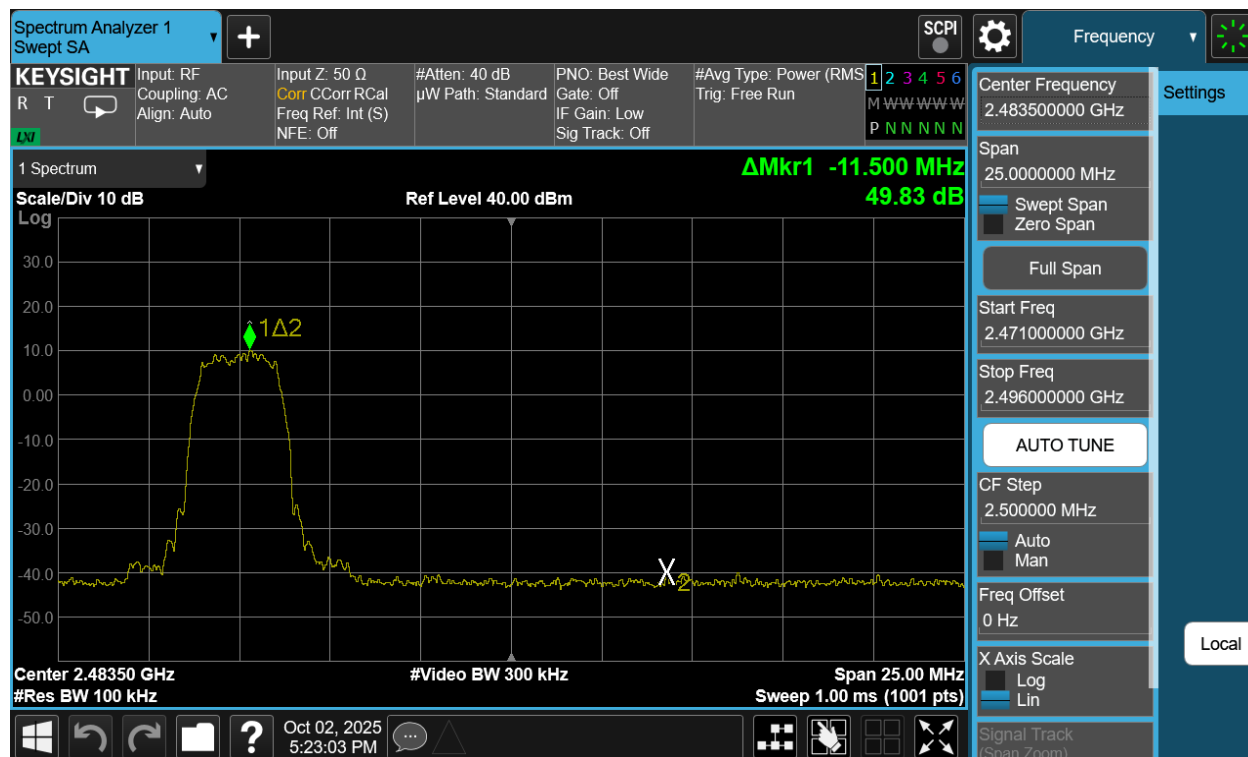
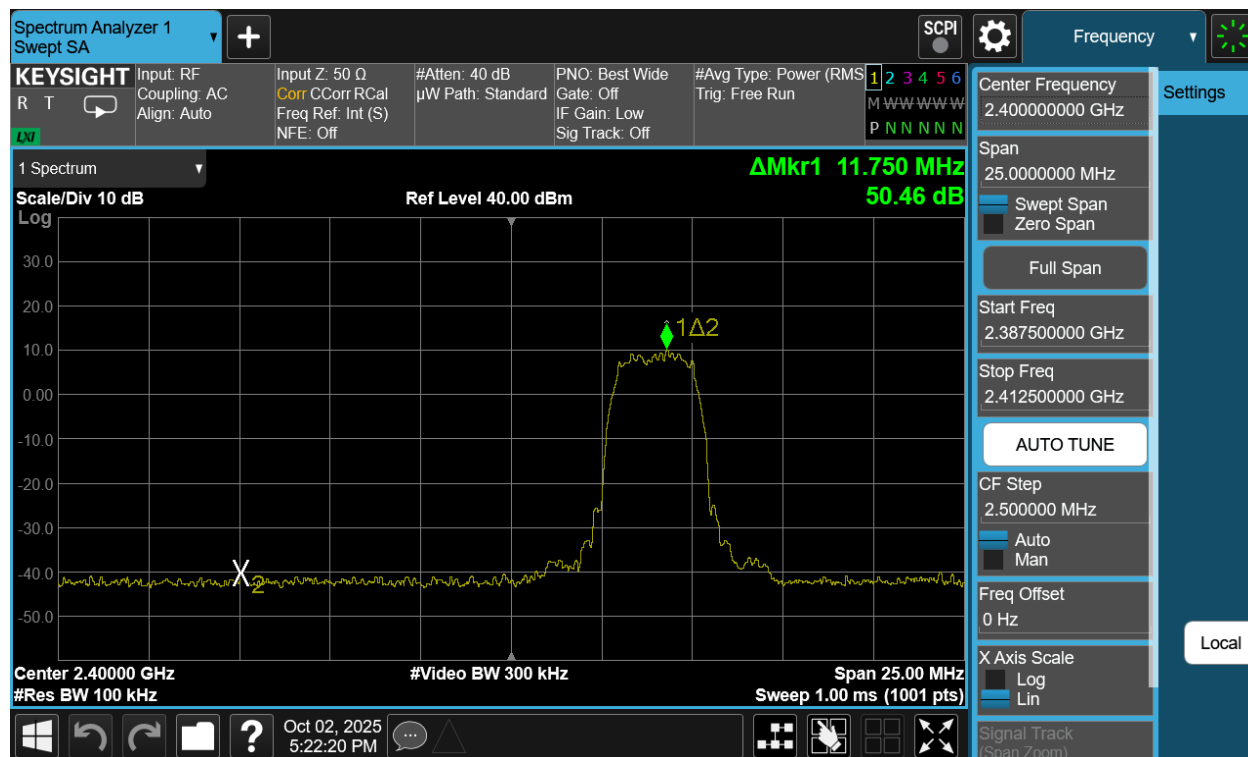


Plot 7-238. Band Edge Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 156 of 222

V 11.0 05/2025

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Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 157 of 222

7.7 Conducted Spurious Emissions

§15.247(d); RSS-247 [6.6]

Test Overview and Limit

For the following out of band conducted spurious emissions plots, the EUT was set to transmit at maximum power with the largest packet size available. The worst case spurious emissions were found in this configuration.

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 8.5 of KDB 558074 D01 v05r02 and Subclause 11.11 of ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 11.11.3

KDB 558074 D01 v05r02 – Section 8.5

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.5.3

KDB 662911 D01 v02r01 – Section E)3)b)

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.

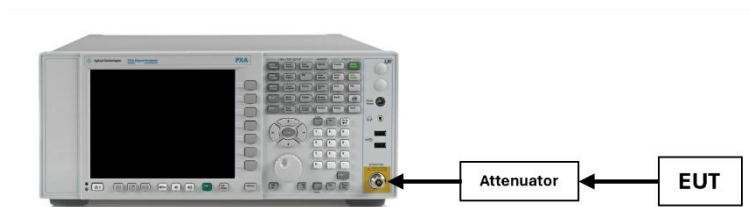


Figure 7-6. Test Instrument & Measurement Setup

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 158 of 222

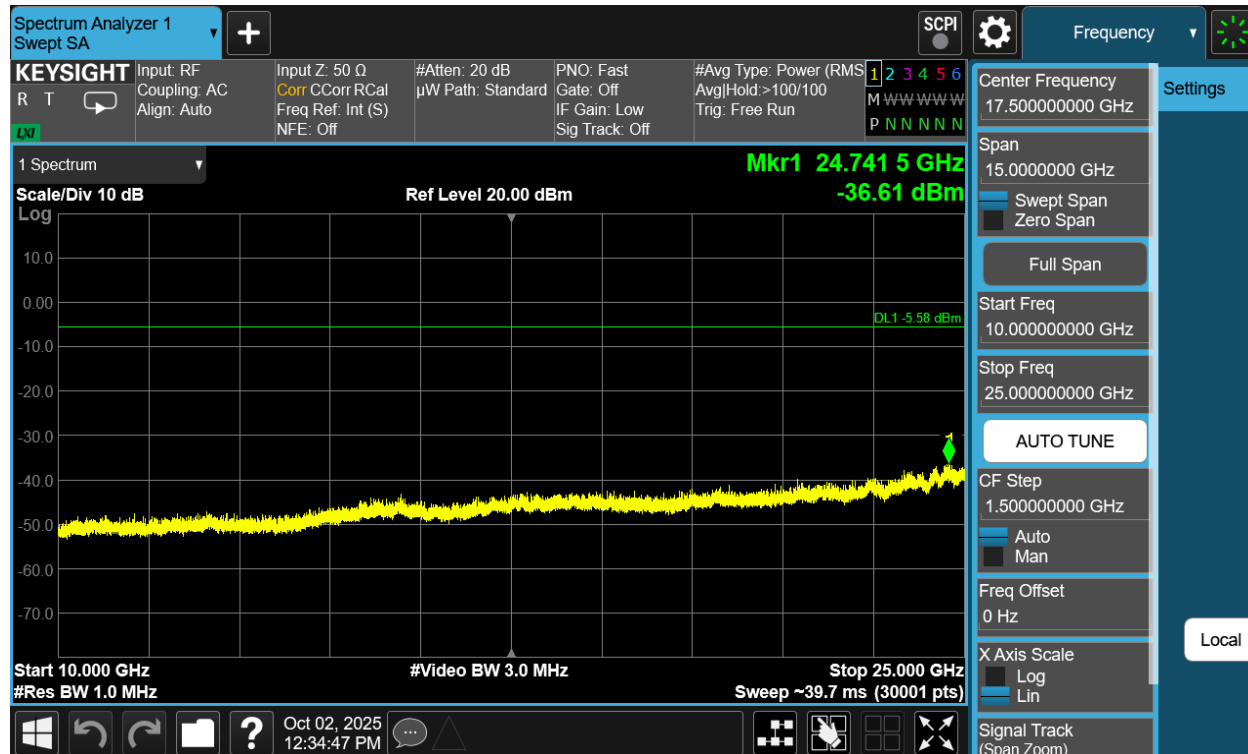
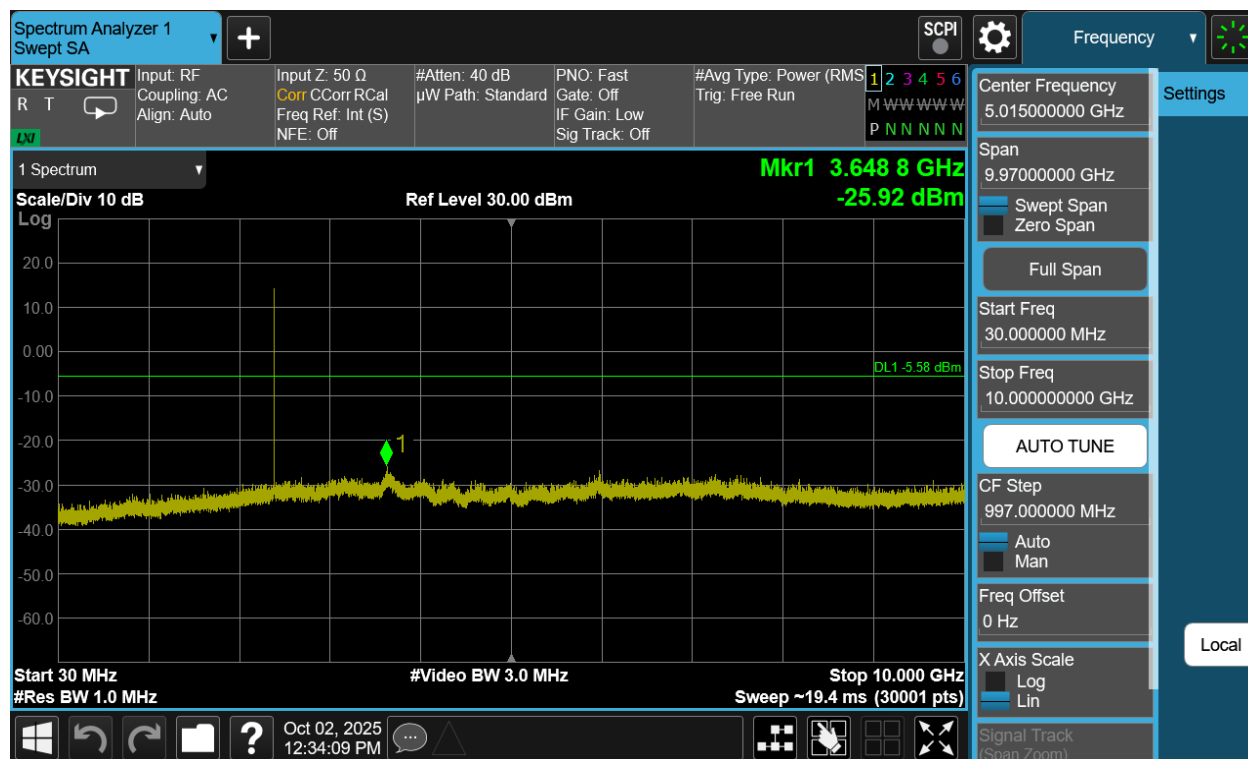
Test Notes

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 20dB 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 20dB 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. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 159 of 222

V 11.0 05/2025

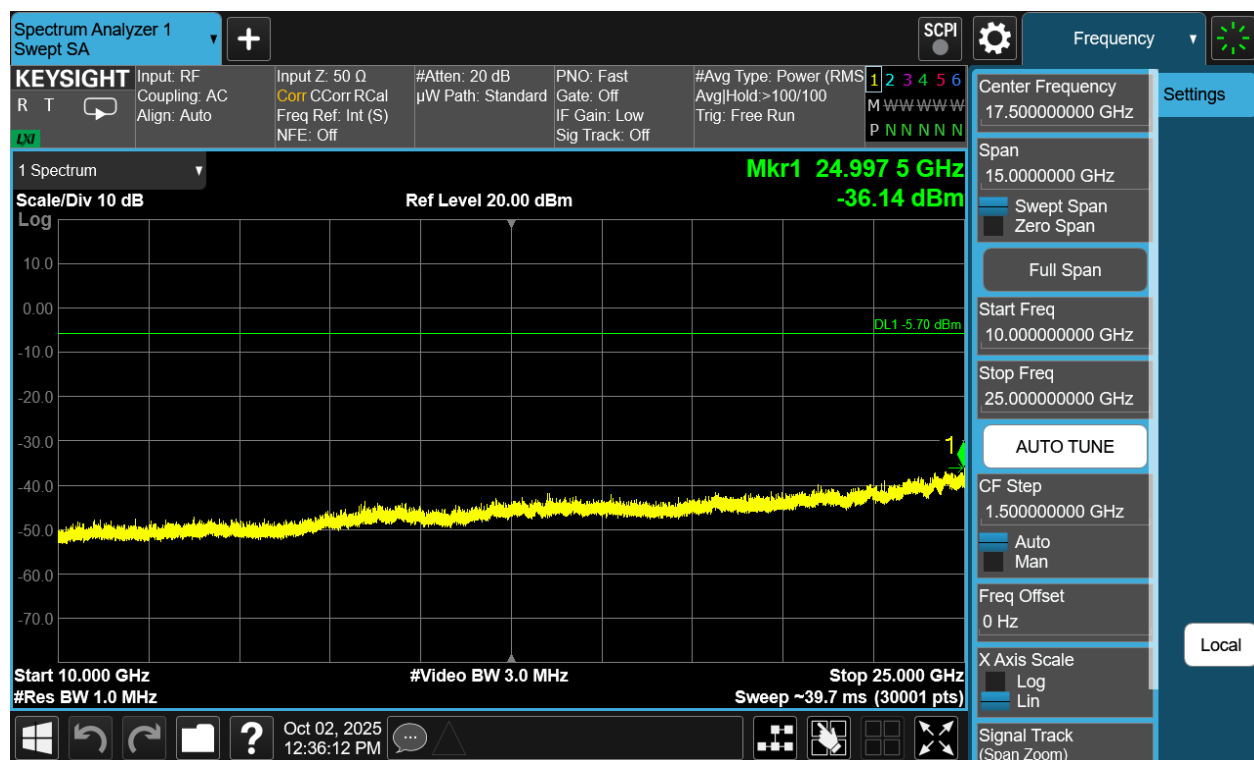
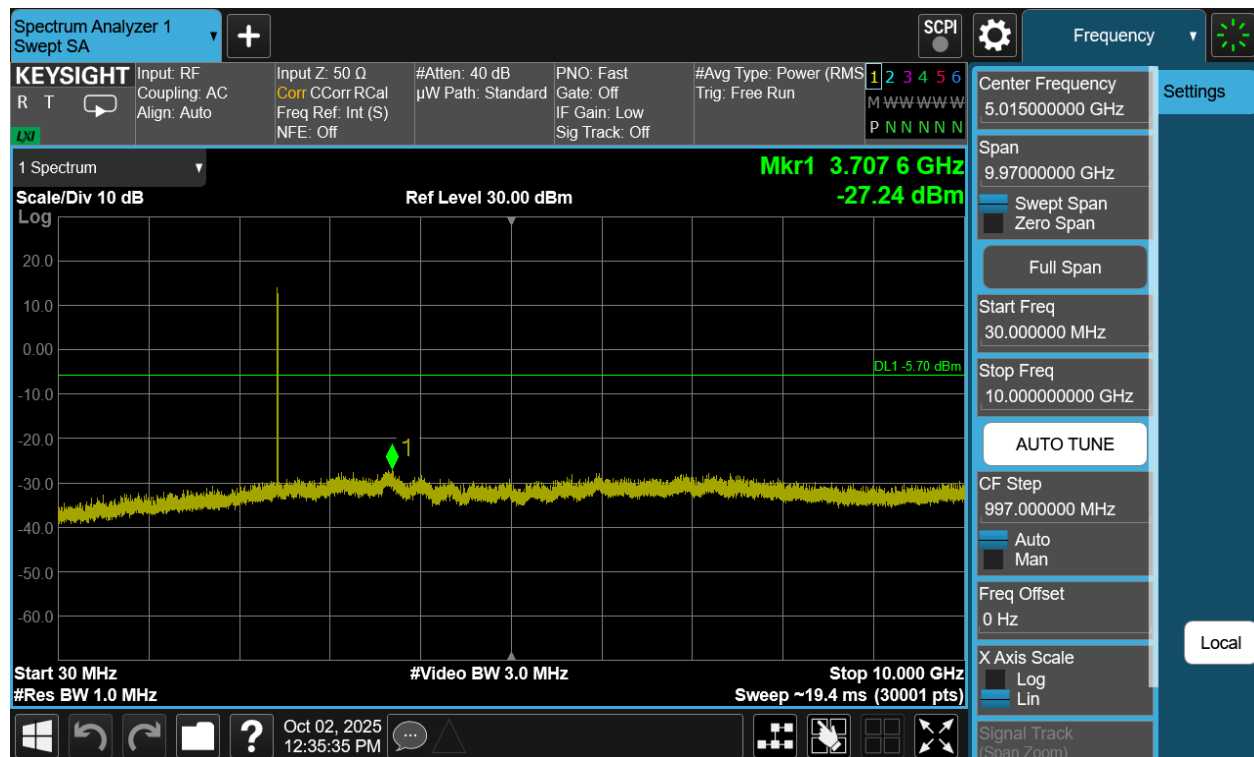
7.7.1 Antenna WF7b



FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 160 of 222

V 11.0 05/2025

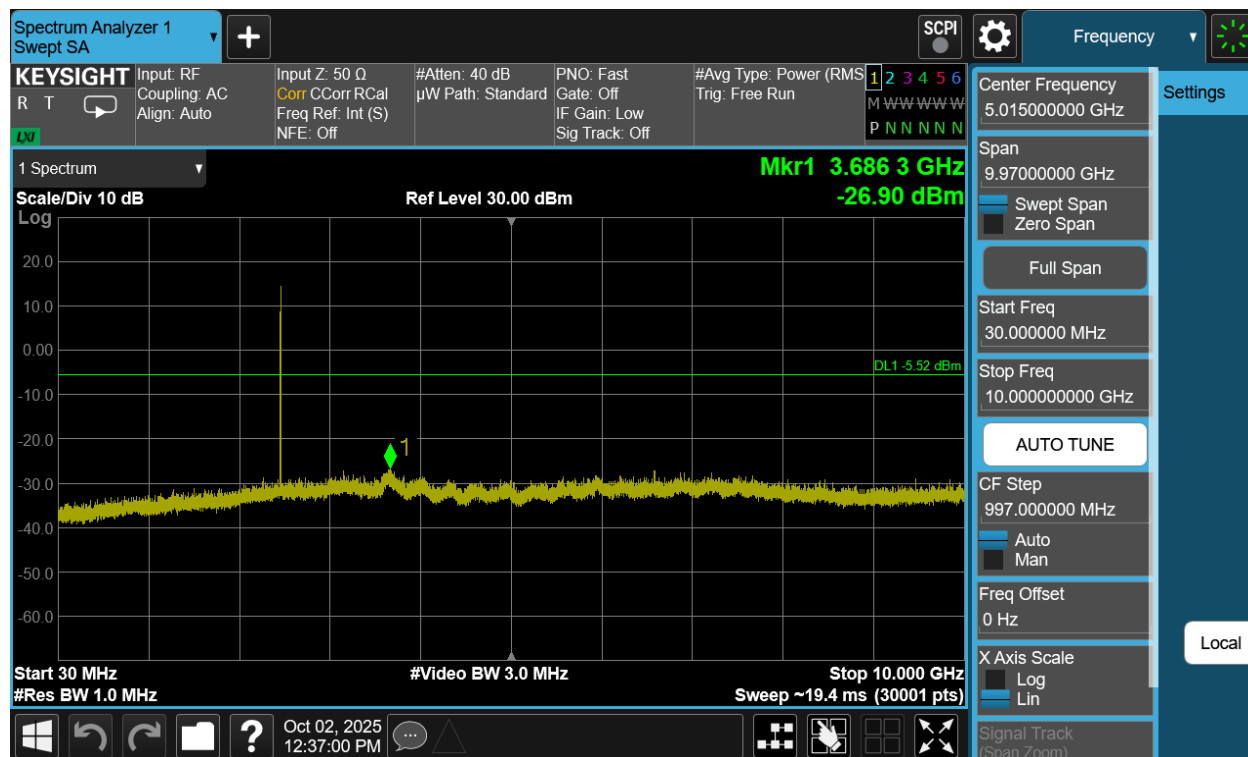
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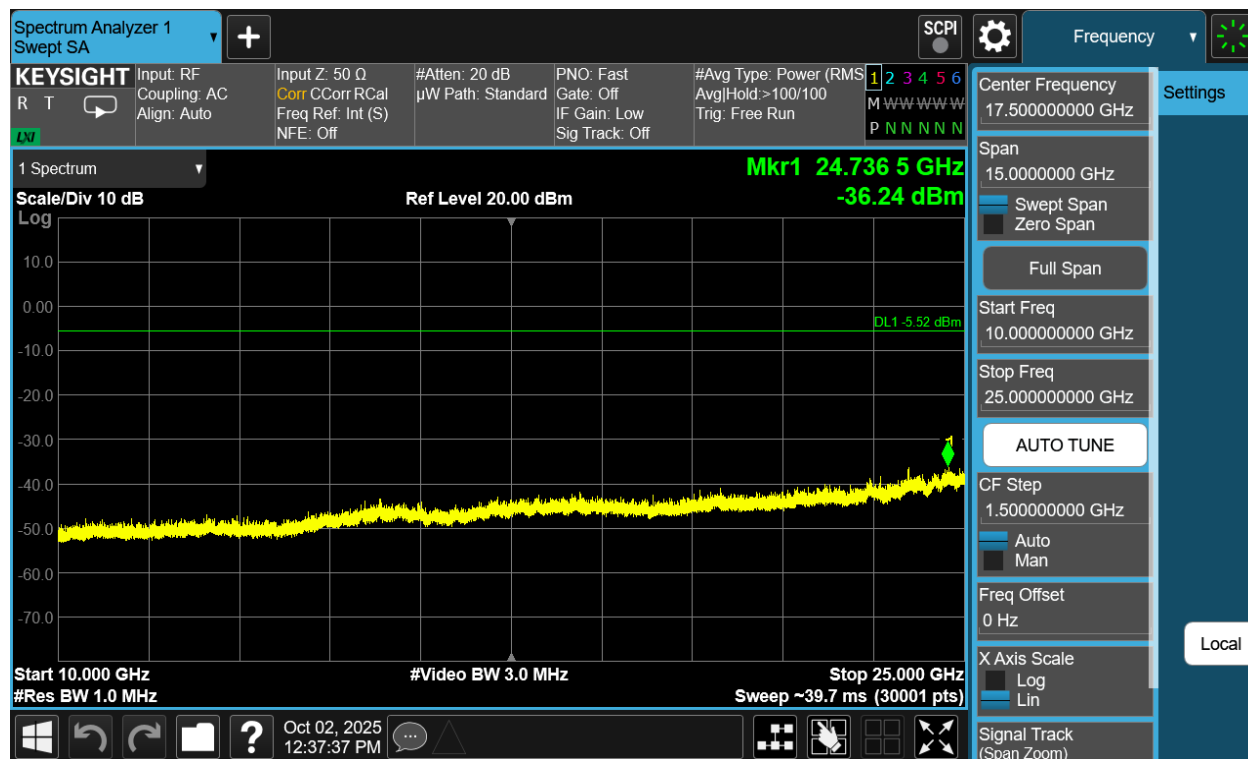
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 161 of 222

V 11.0 05/2025

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Plot 7-245. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 73)

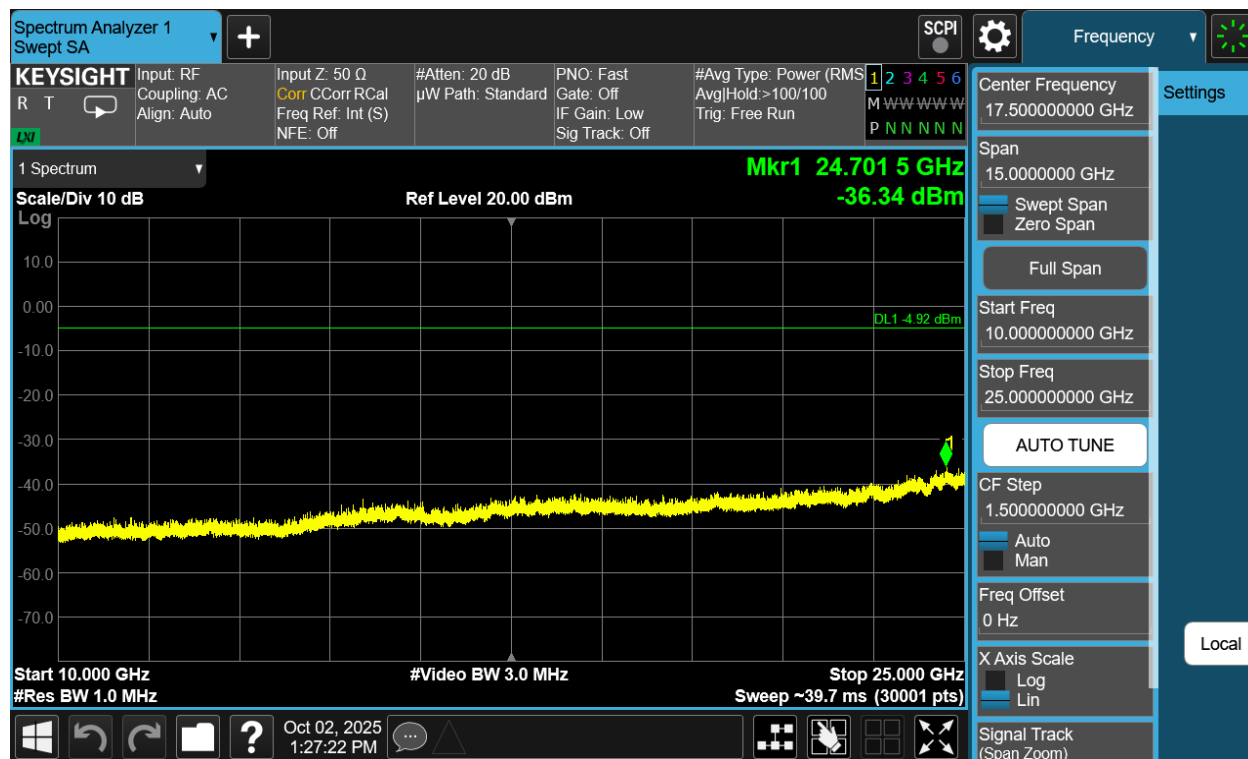
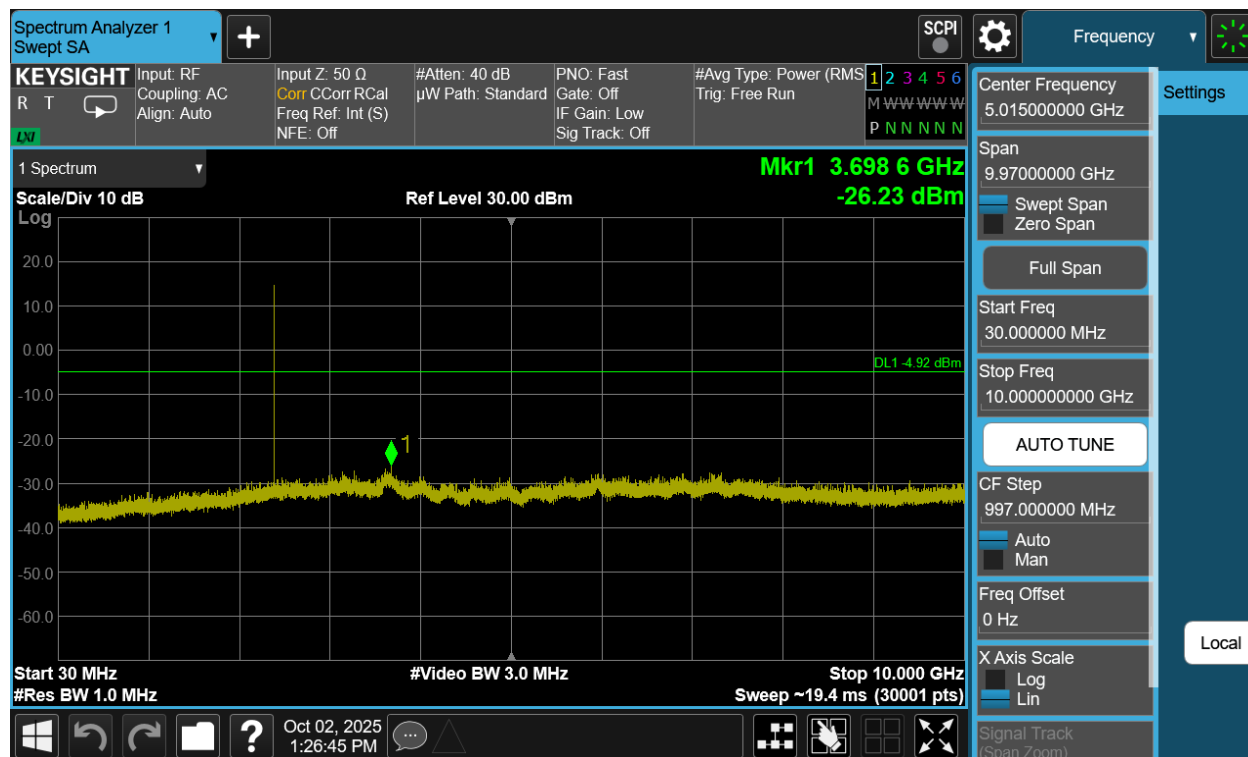


Plot 7-246. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 73)

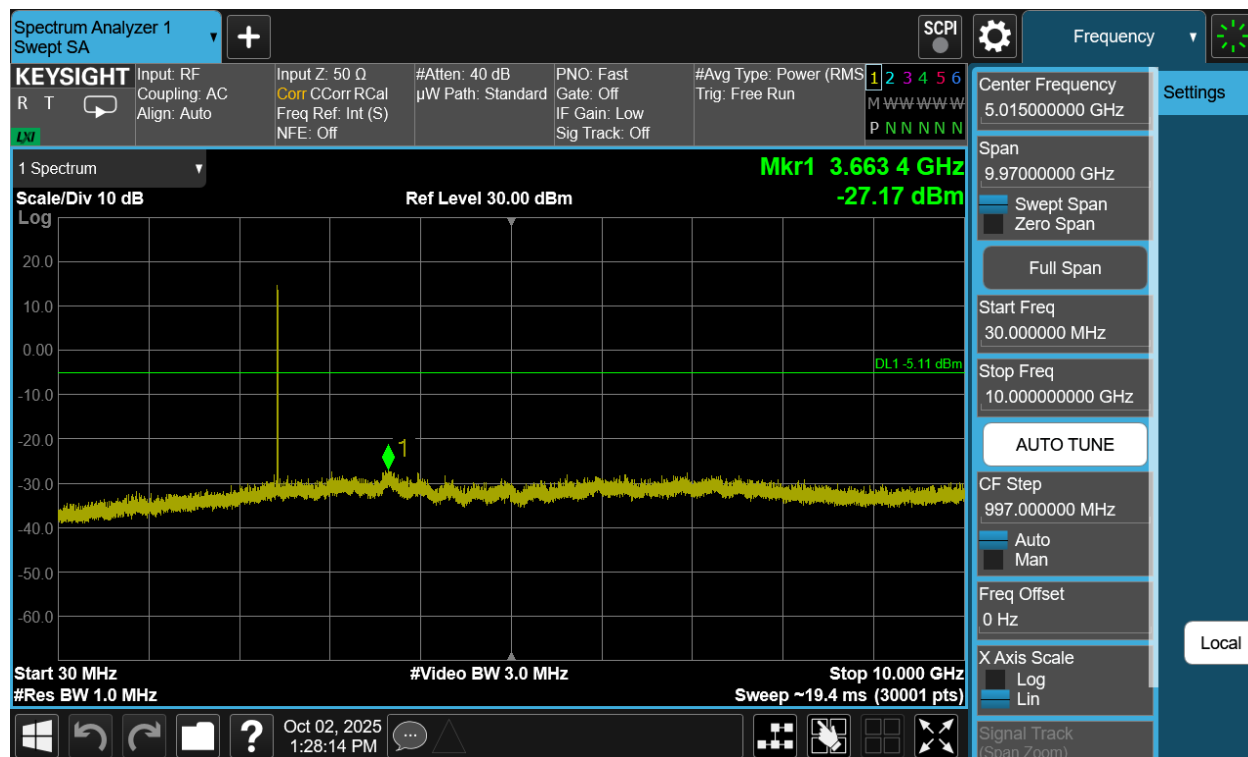
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 162 of 222

V 11.0 05/2025

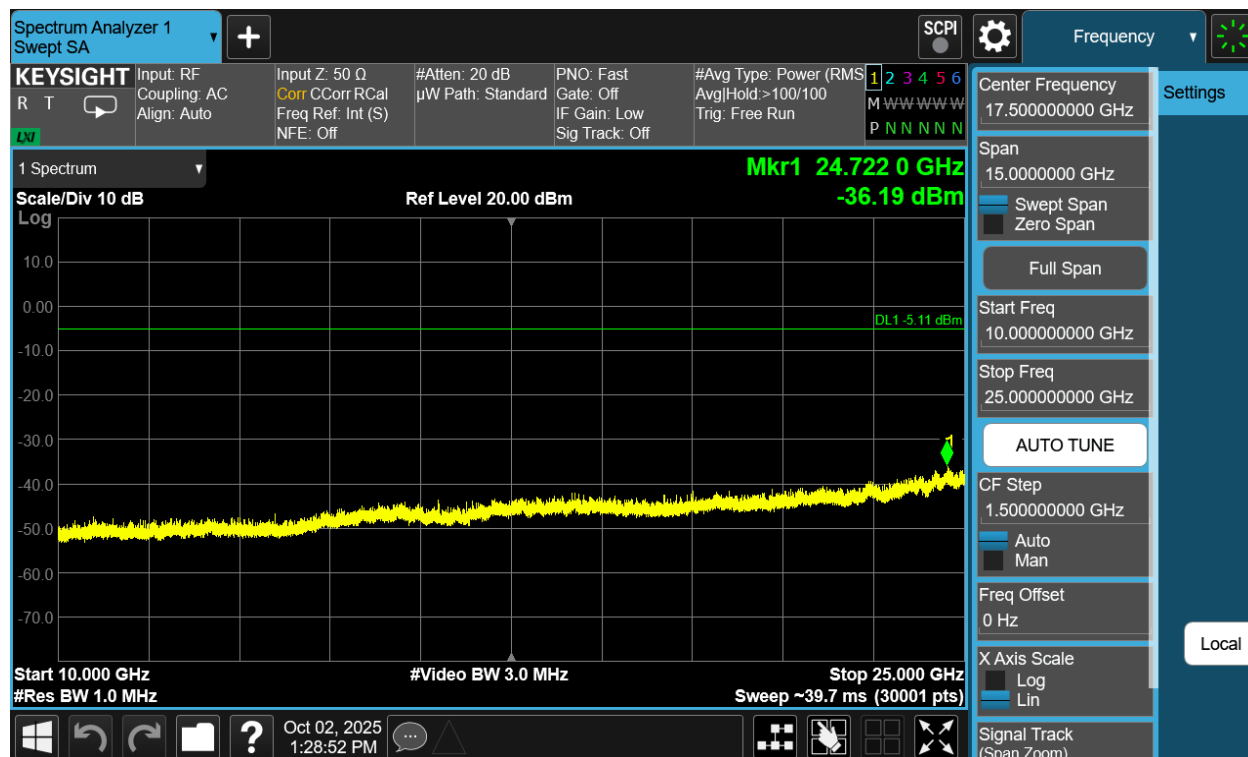
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FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 163 of 222



Plot 7-249. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)

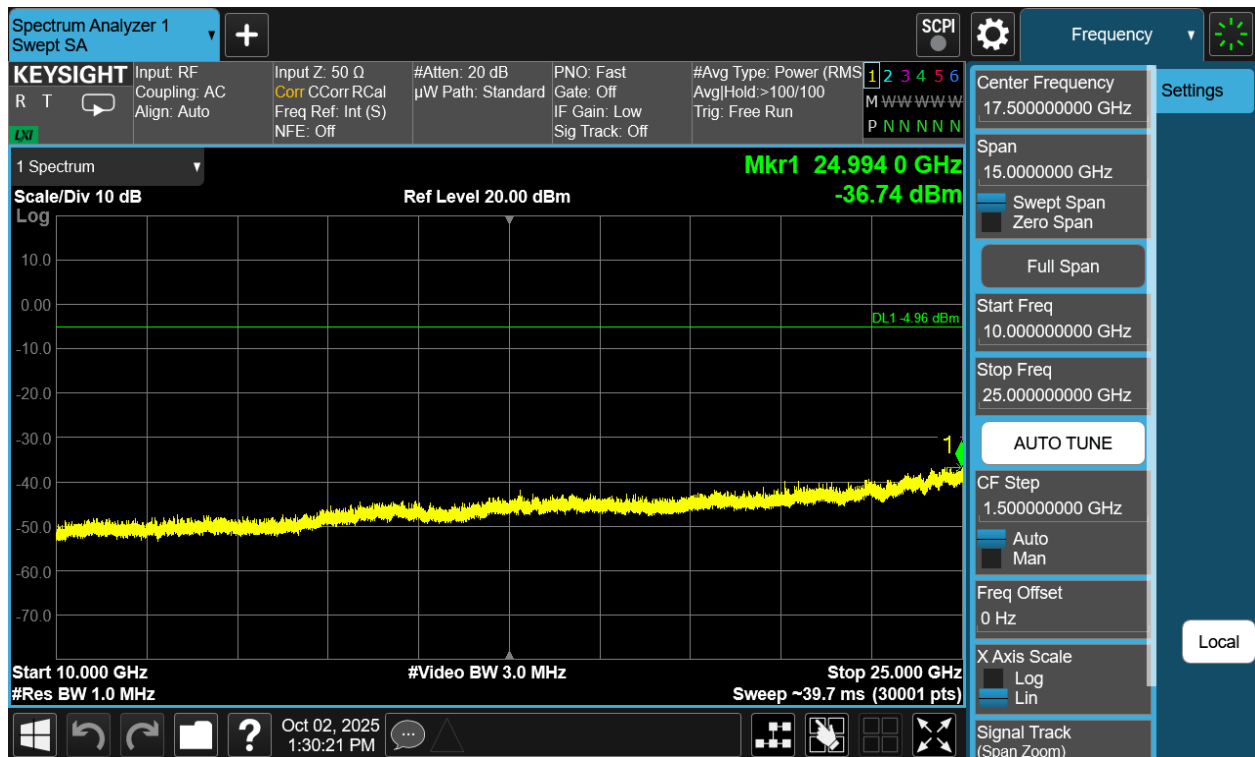
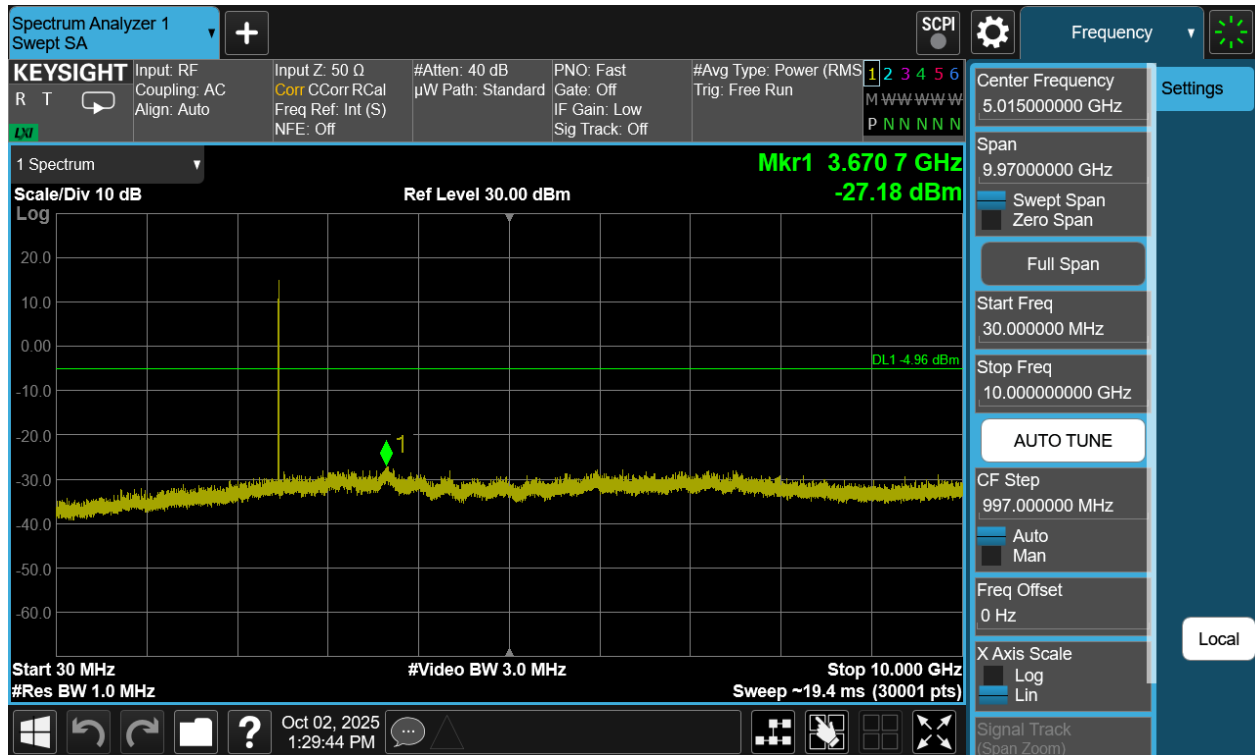


Plot 7-250. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)

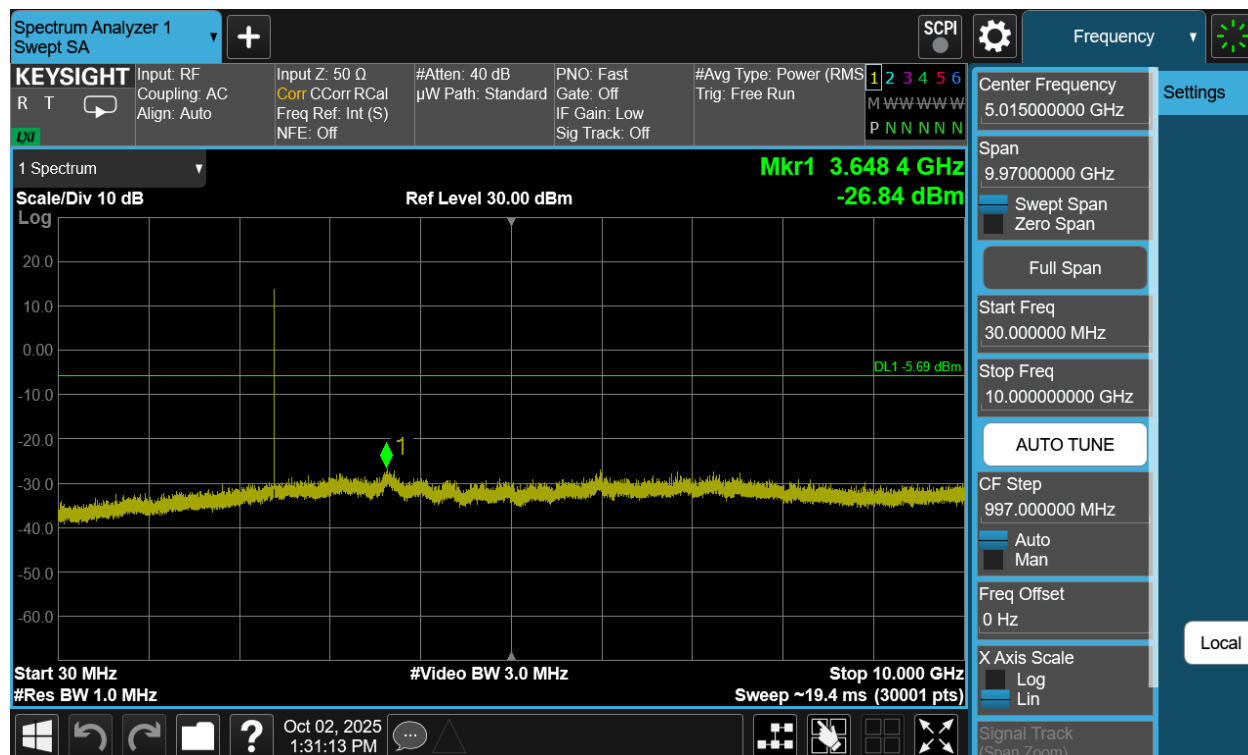
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 164 of 222

V 11.0 05/2025

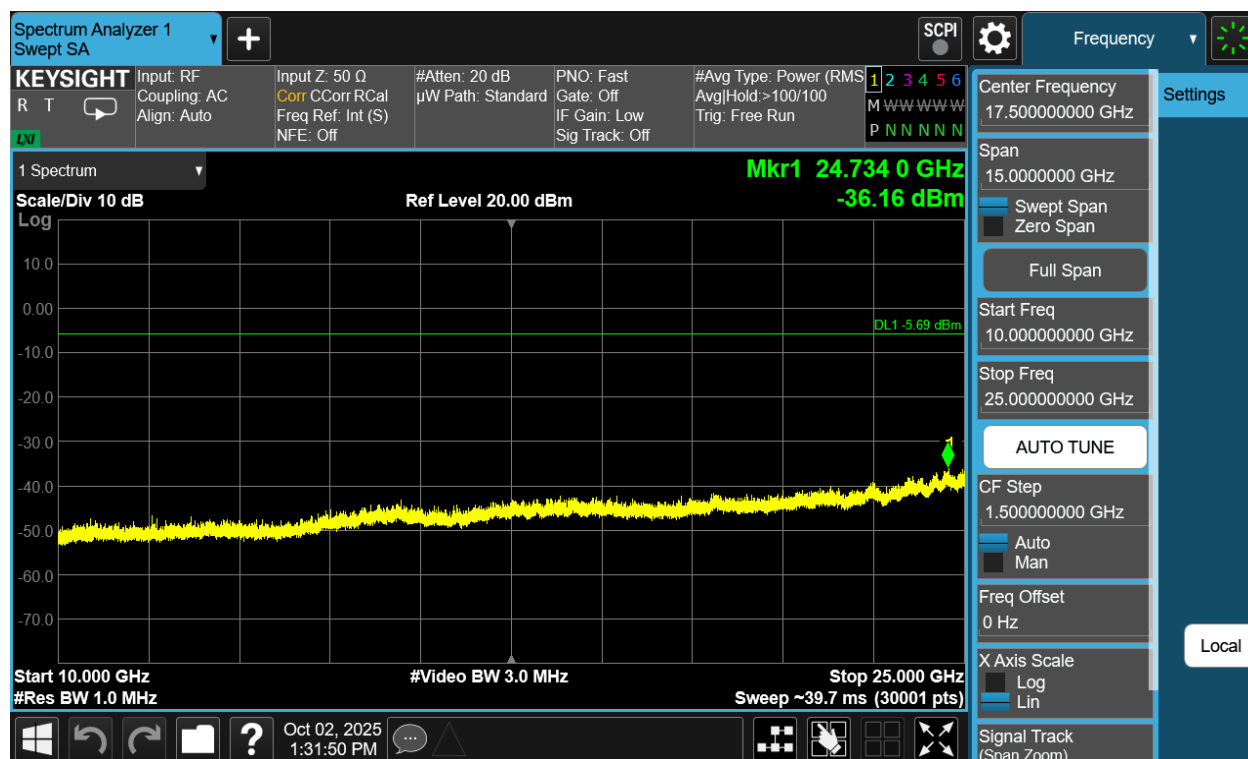
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FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 165 of 222

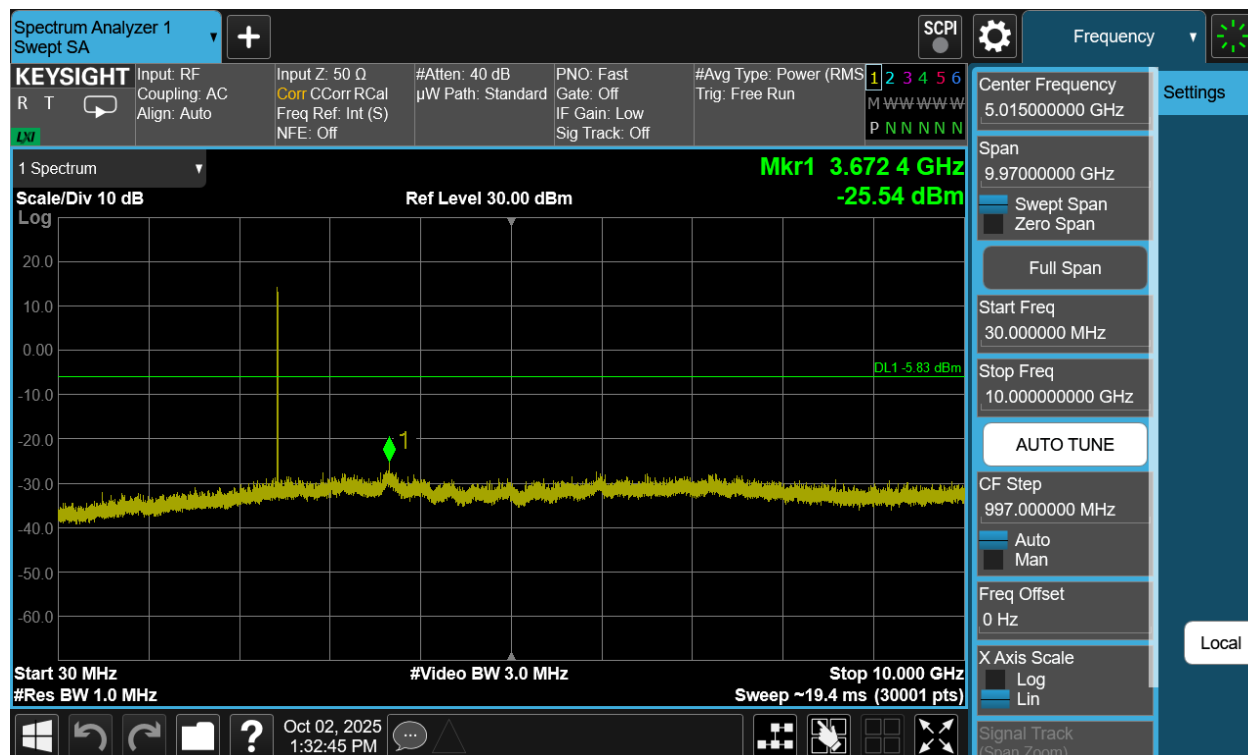


Plot 7-253. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

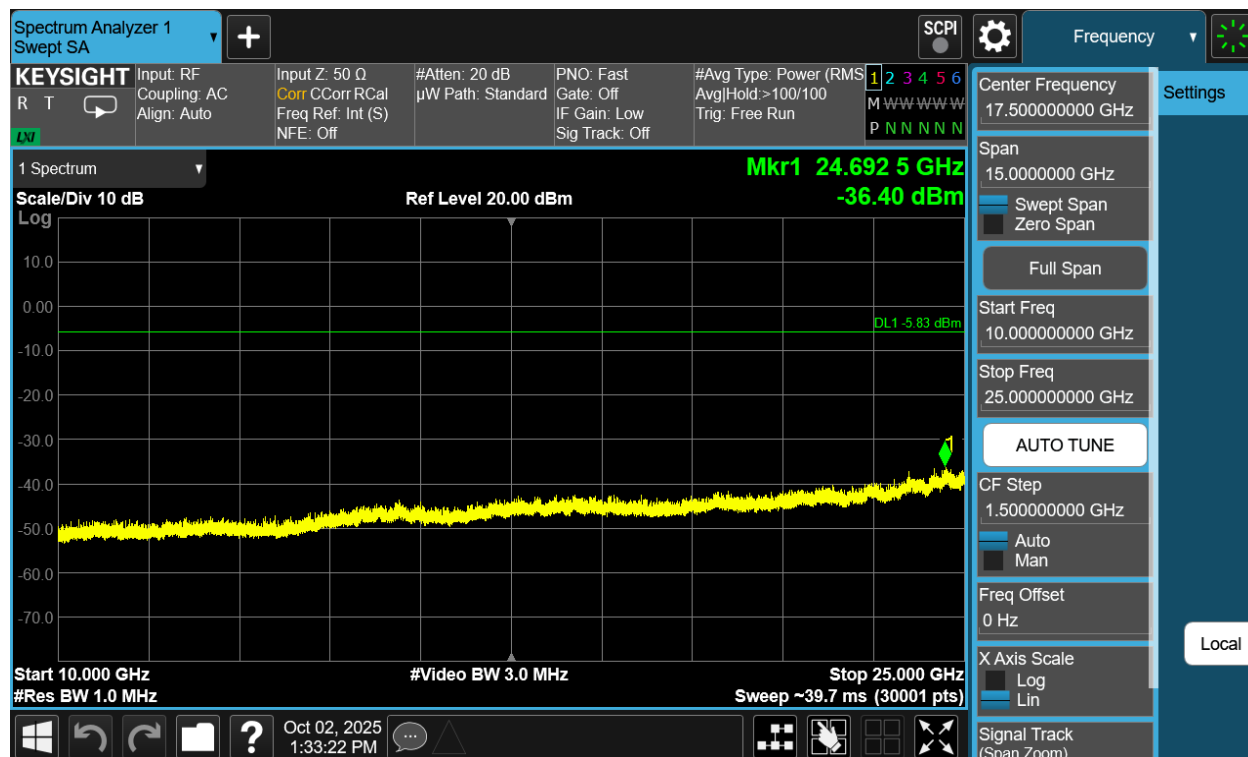


Plot 7-254. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 166 of 222

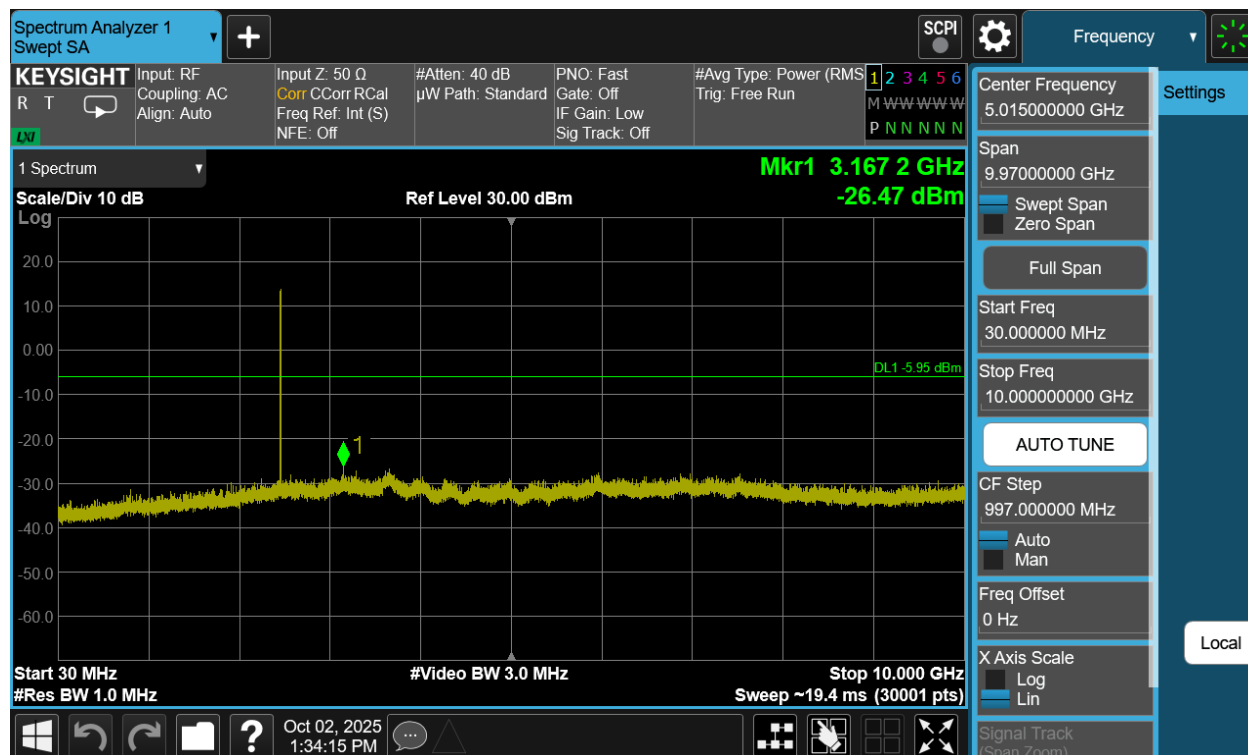


Plot 7-255. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

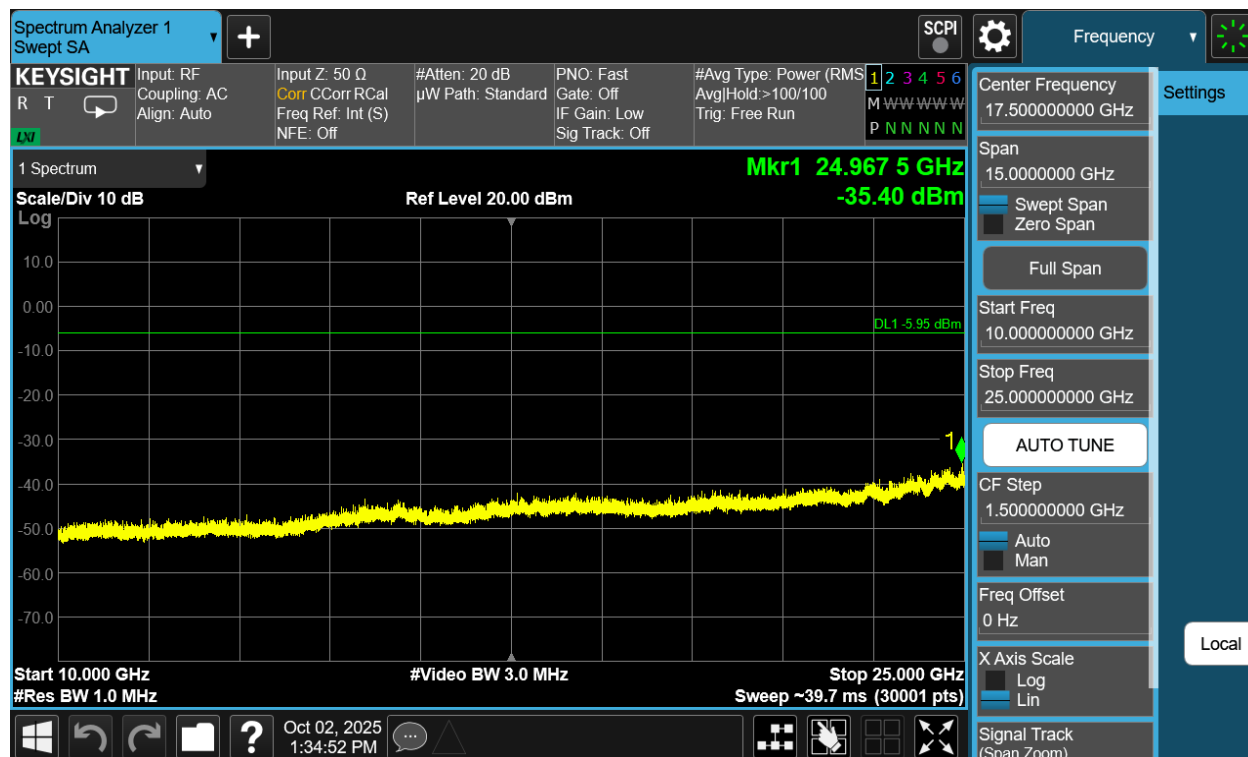


Plot 7-256. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 167 of 222



Plot 7-257. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

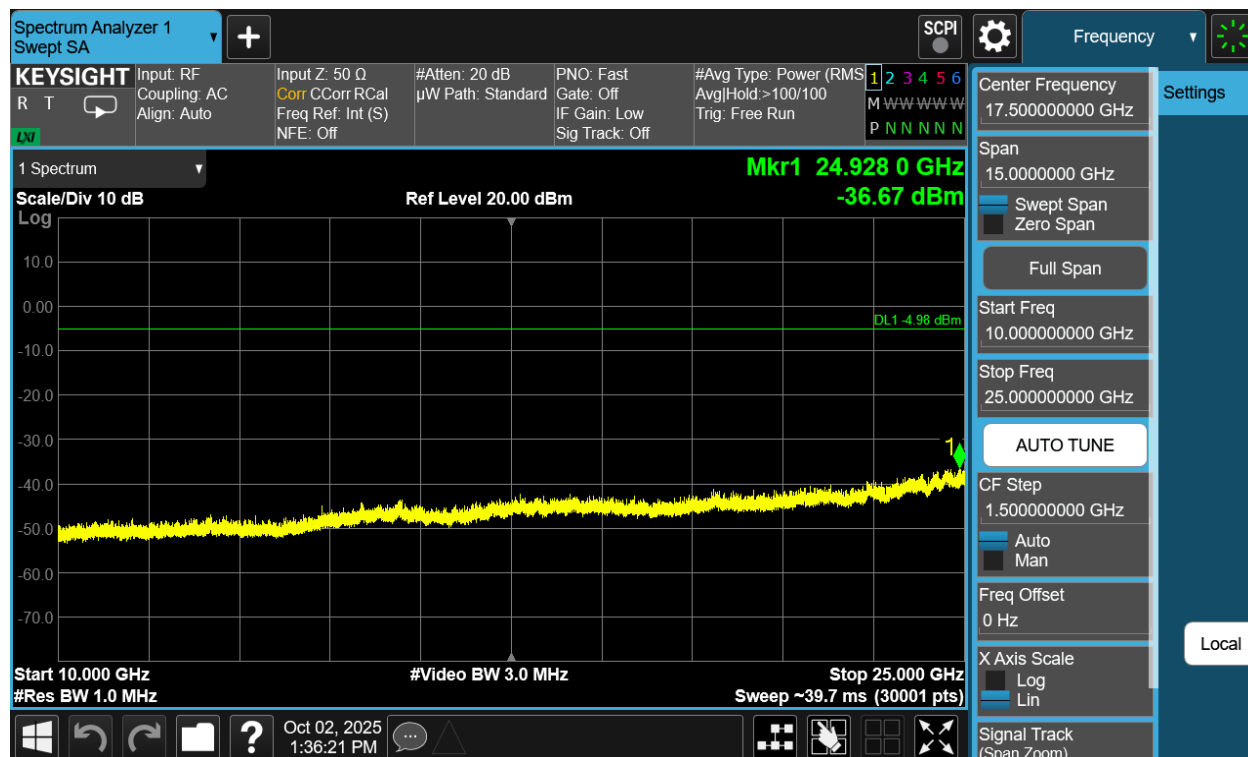
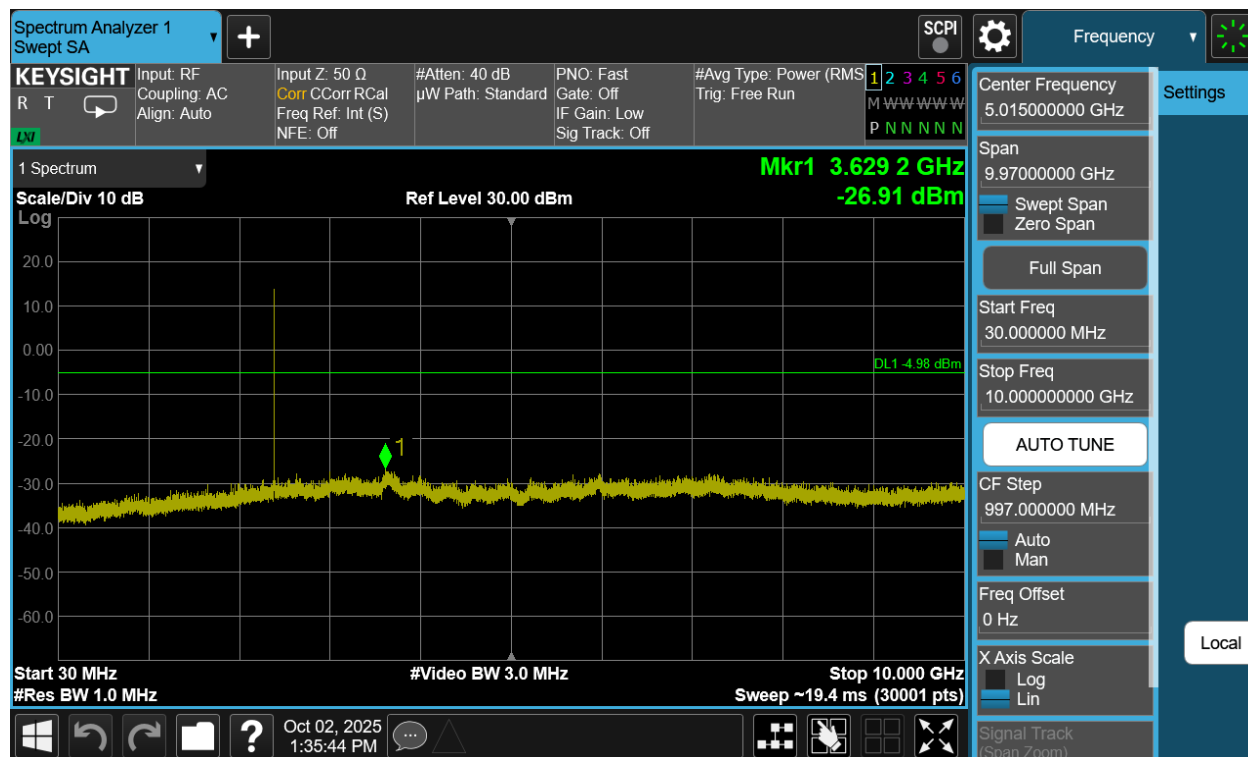


Plot 7-258. Conducted Spurious Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

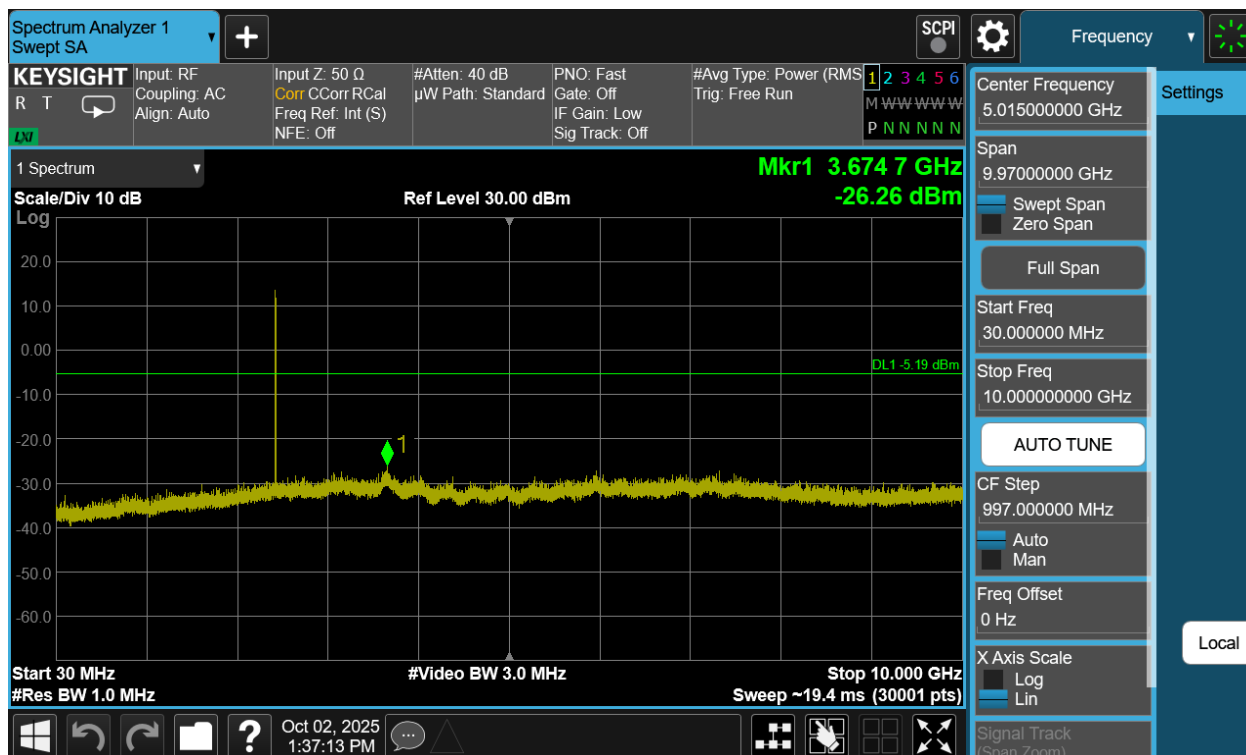
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 168 of 222

V 11.0 05/2025

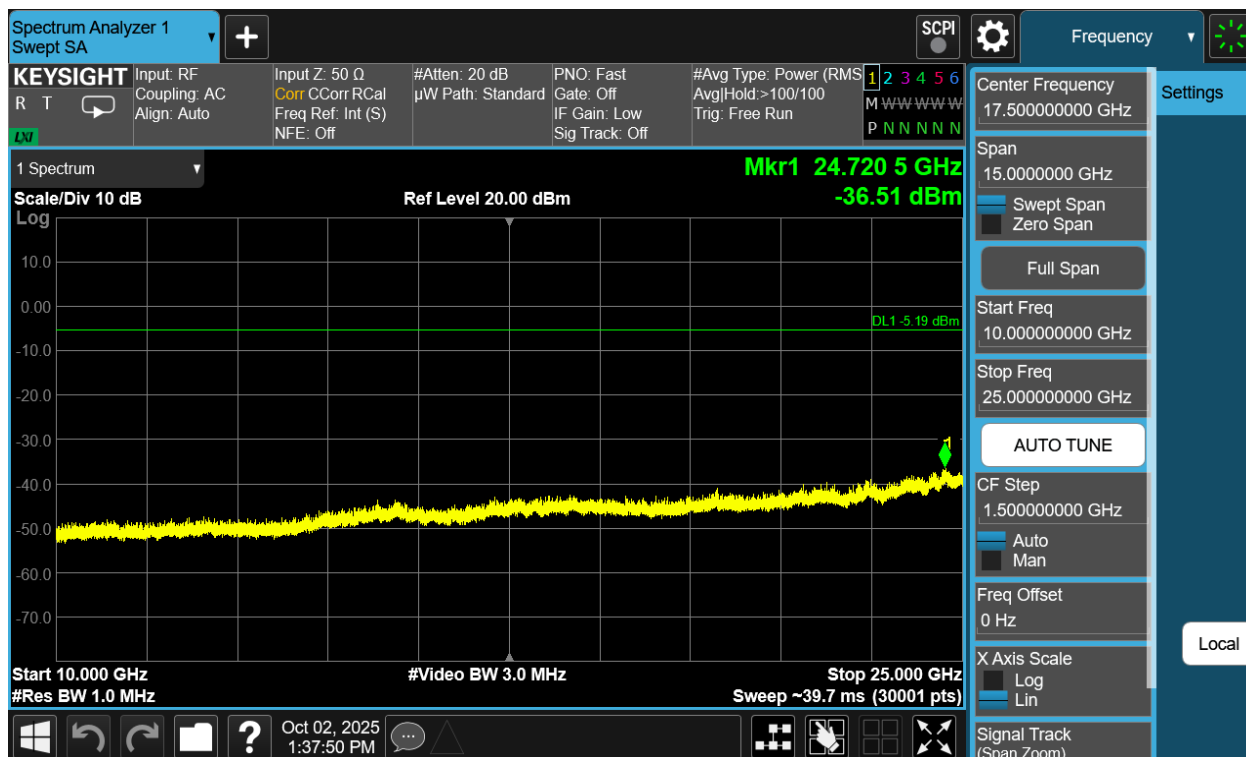
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FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 169 of 222

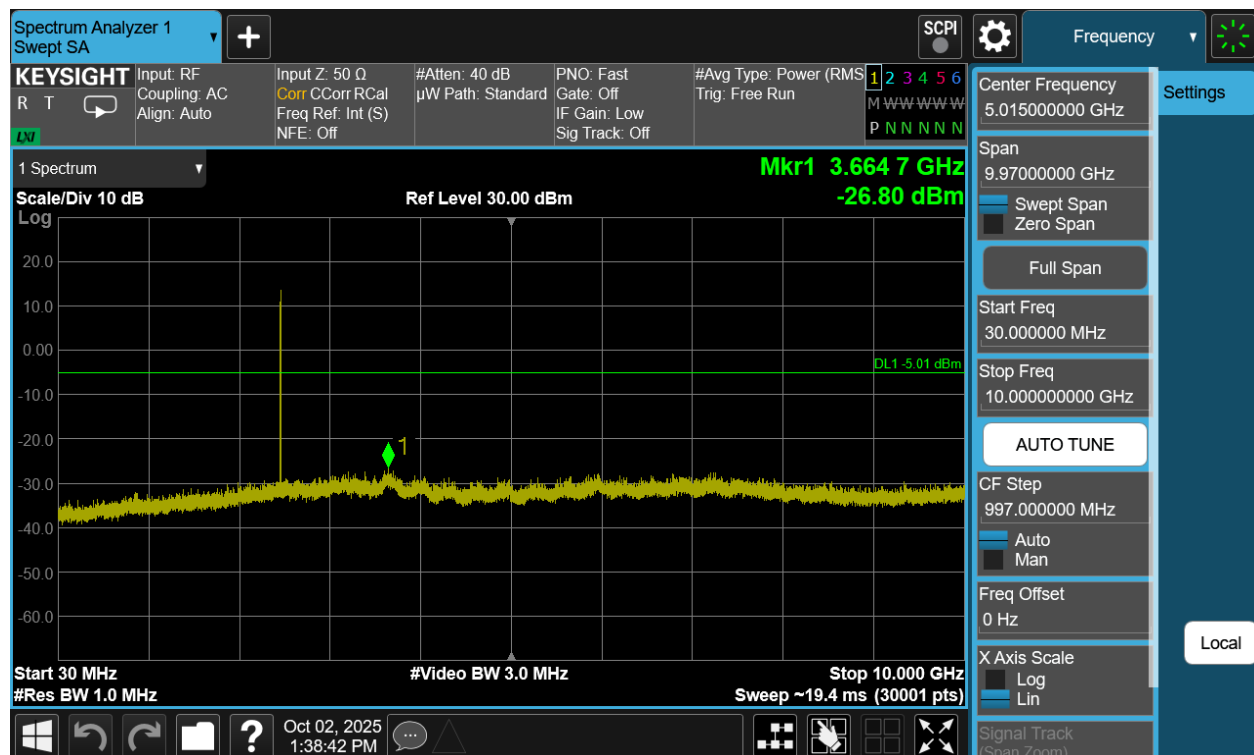


Plot 7-261. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

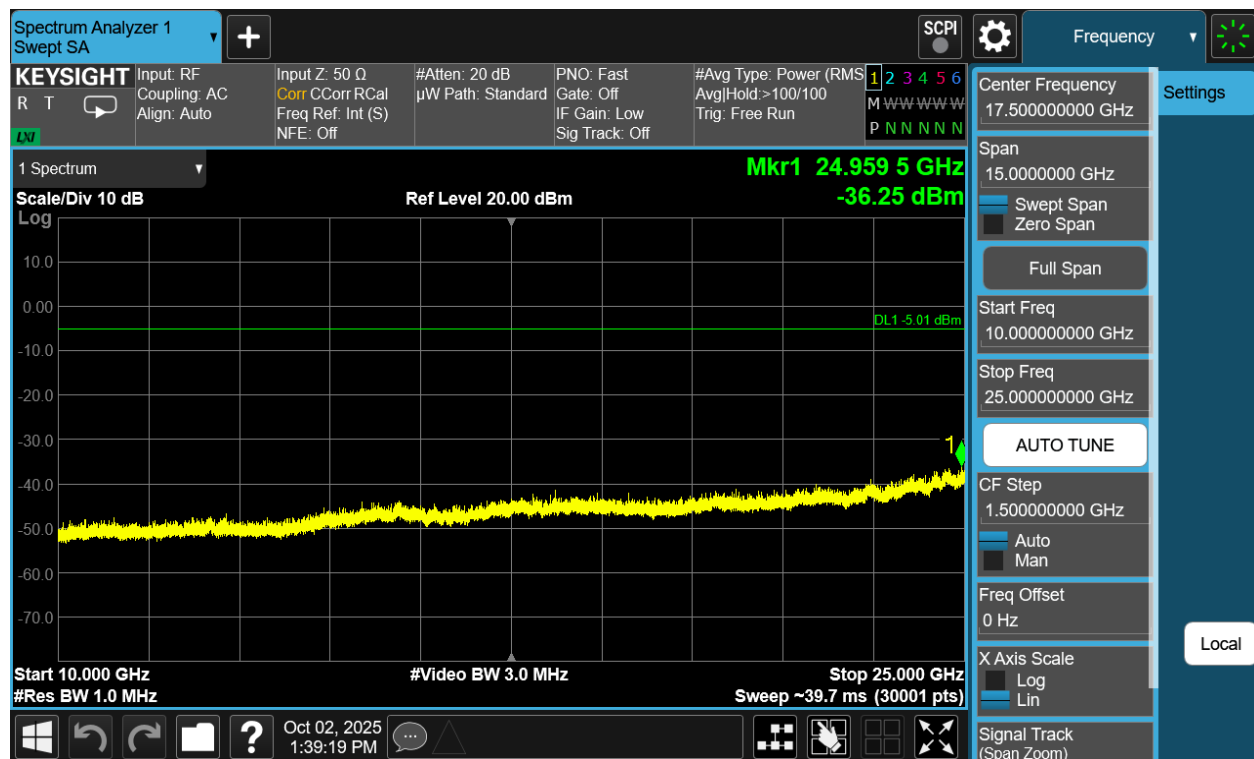


Plot 7-262. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 170 of 222



Plot 7-263. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

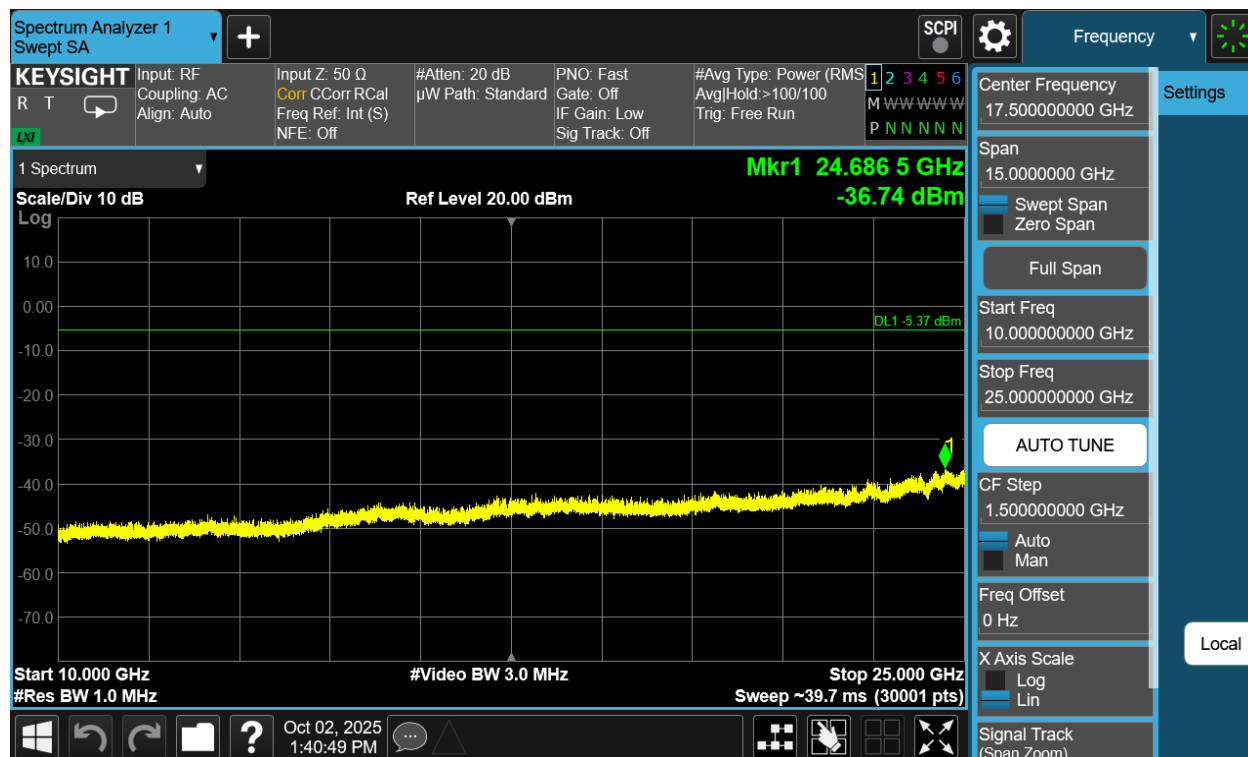
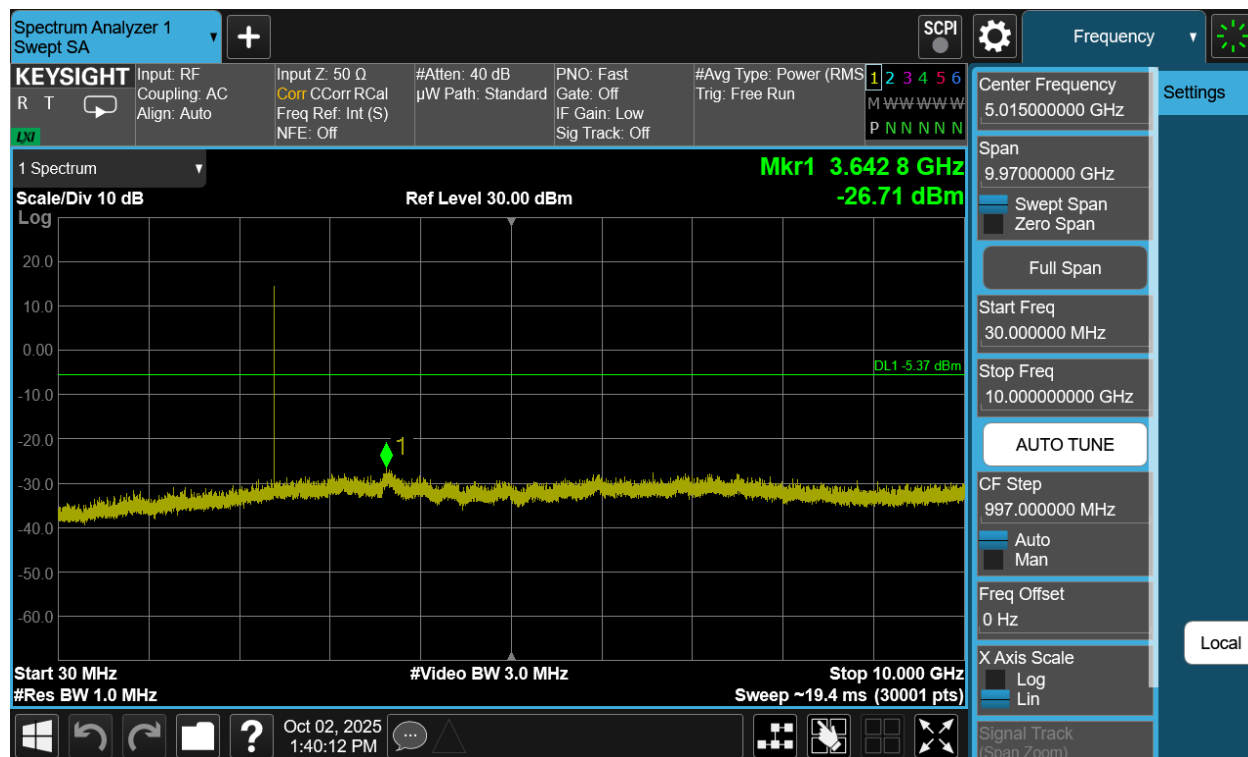


Plot 7-264. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

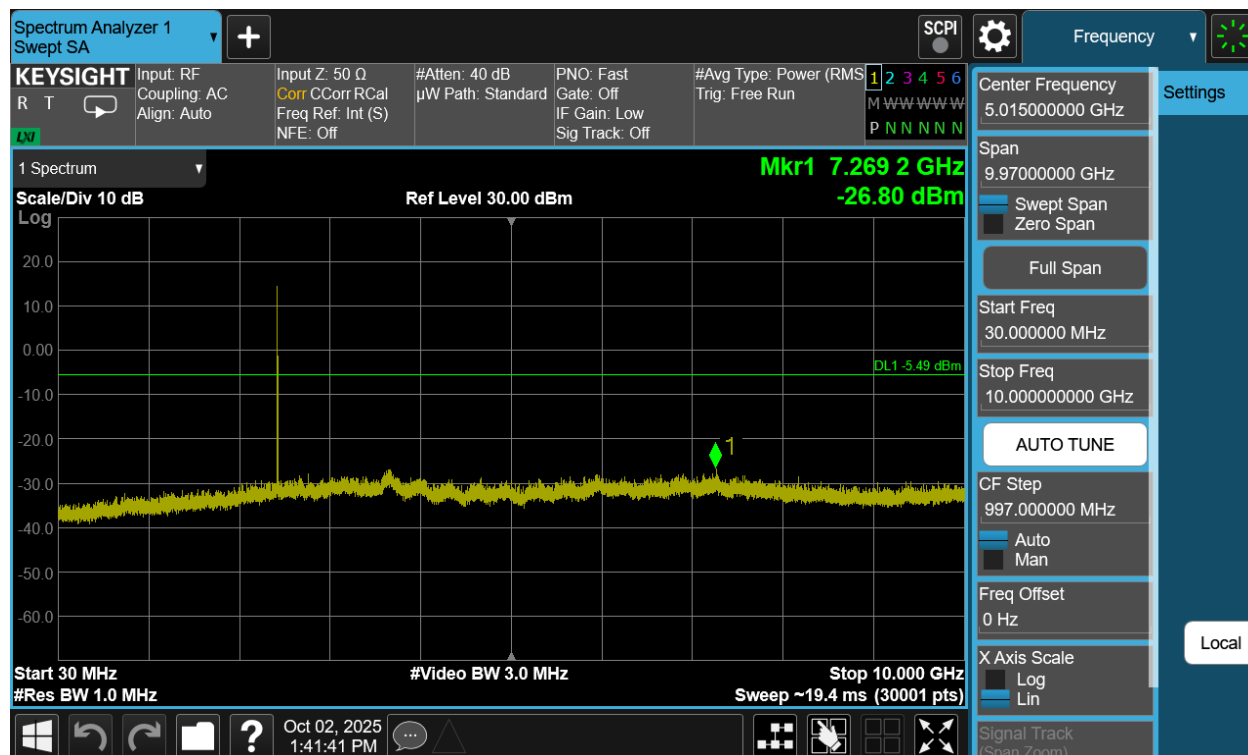
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 171 of 222

V 11.0 05/2025

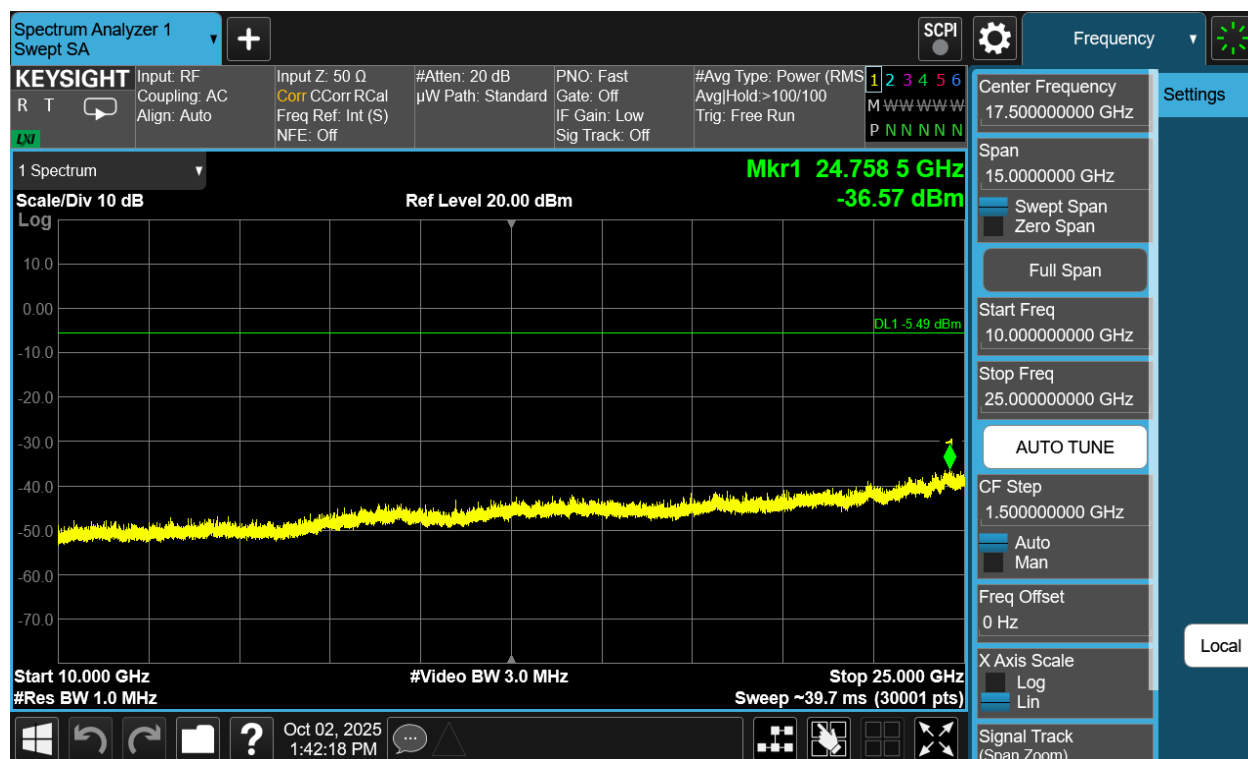
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FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 172 of 222

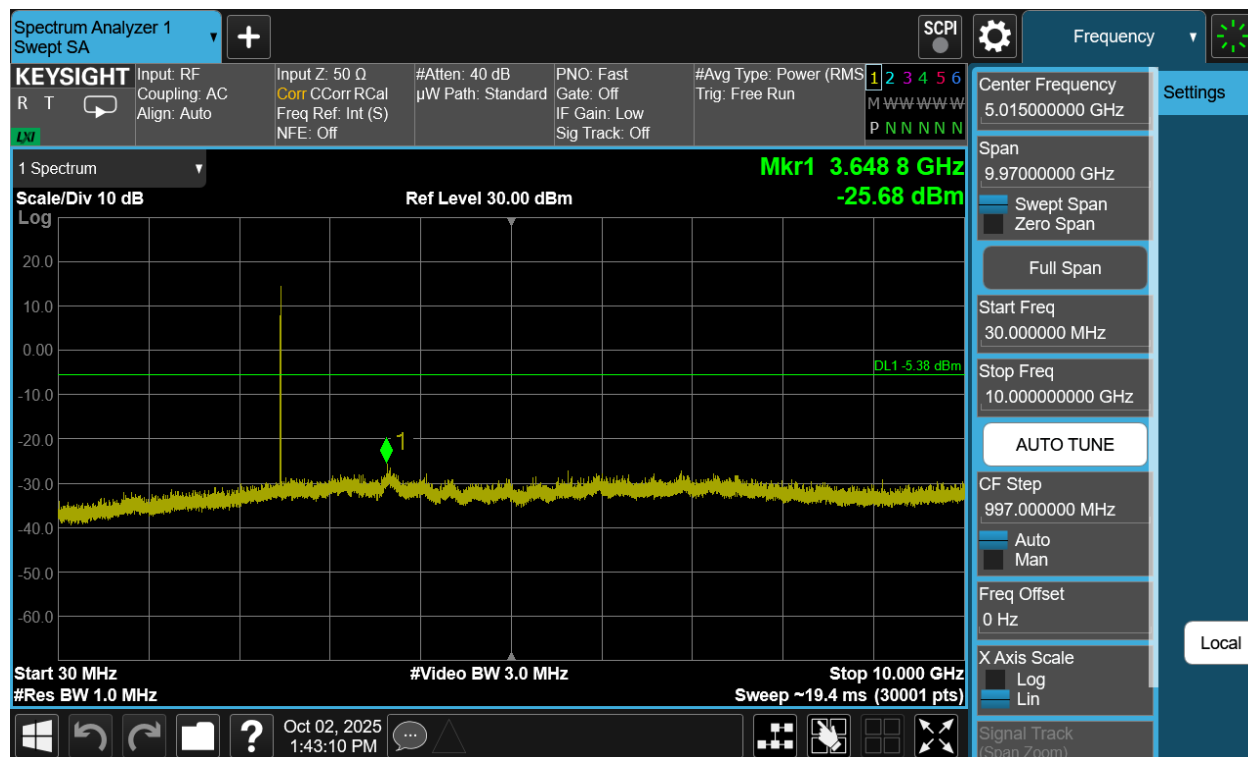


Plot 7-267. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

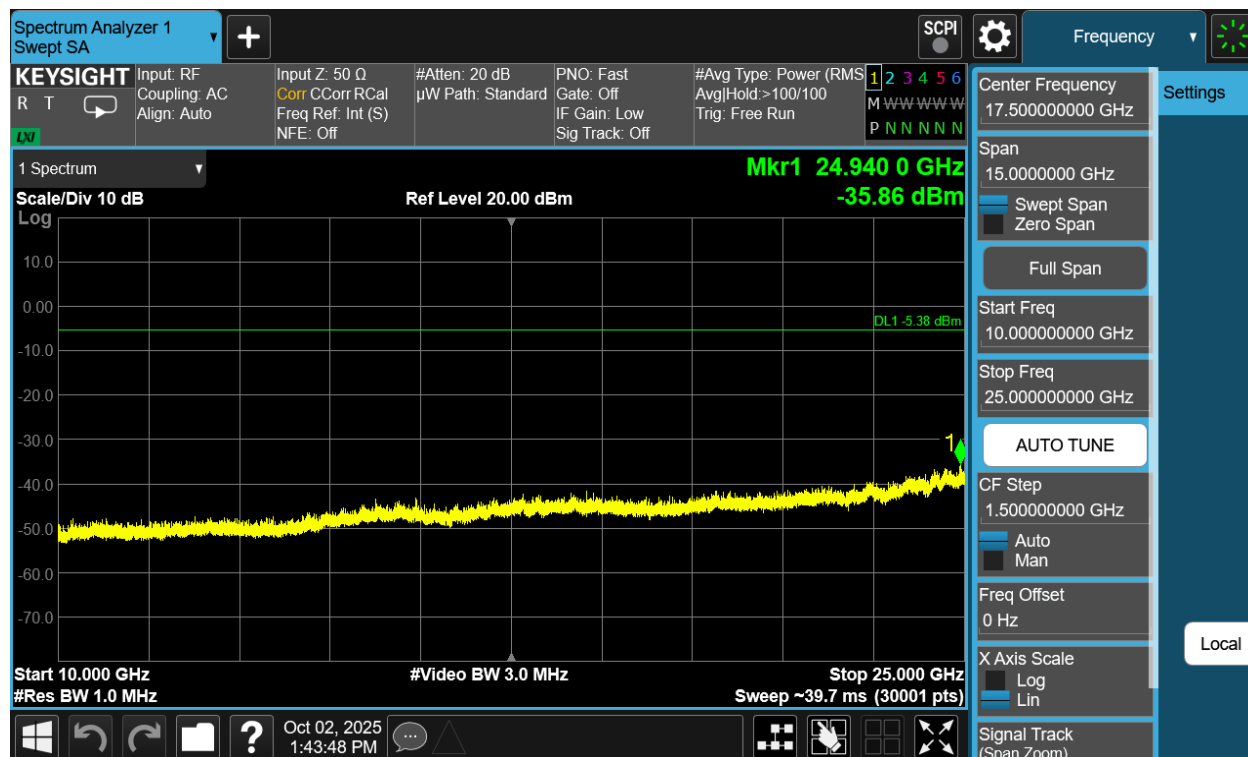


Plot 7-268. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 173 of 222



Plot 7-269. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)



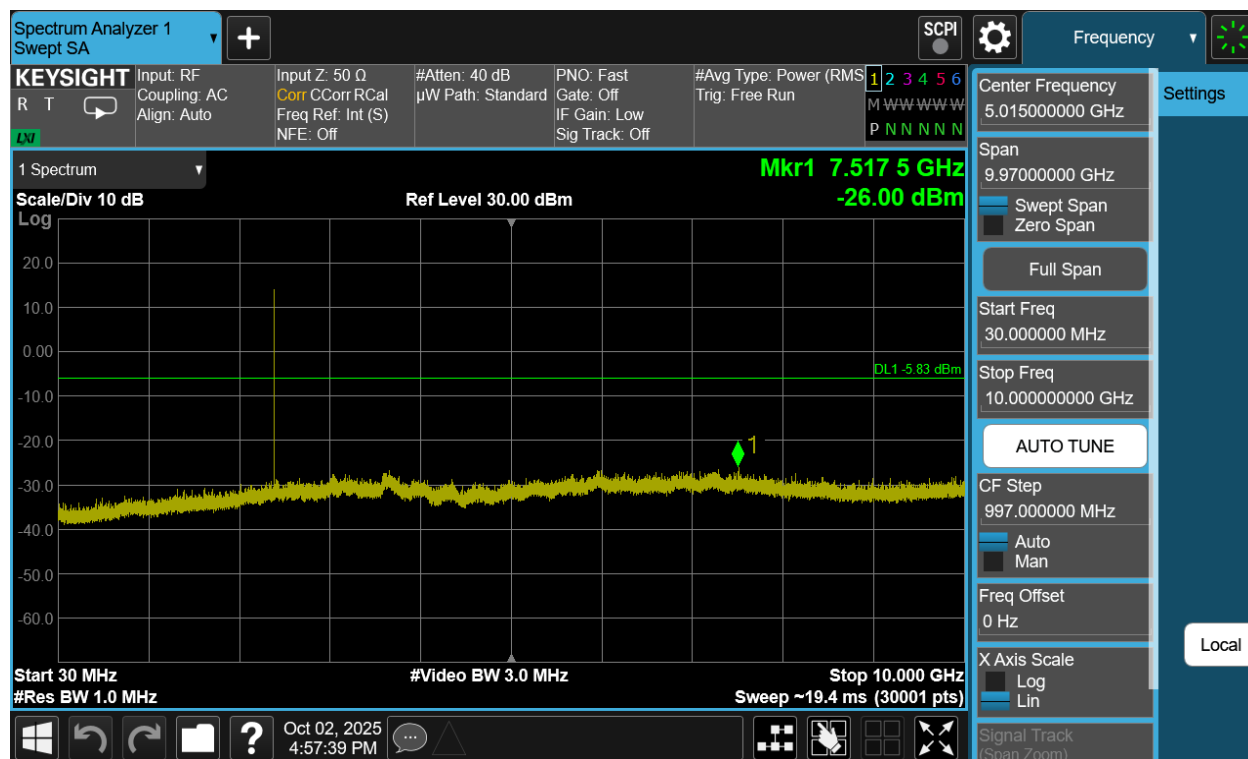
Plot 7-270. Conducted Spurious Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 174 of 222

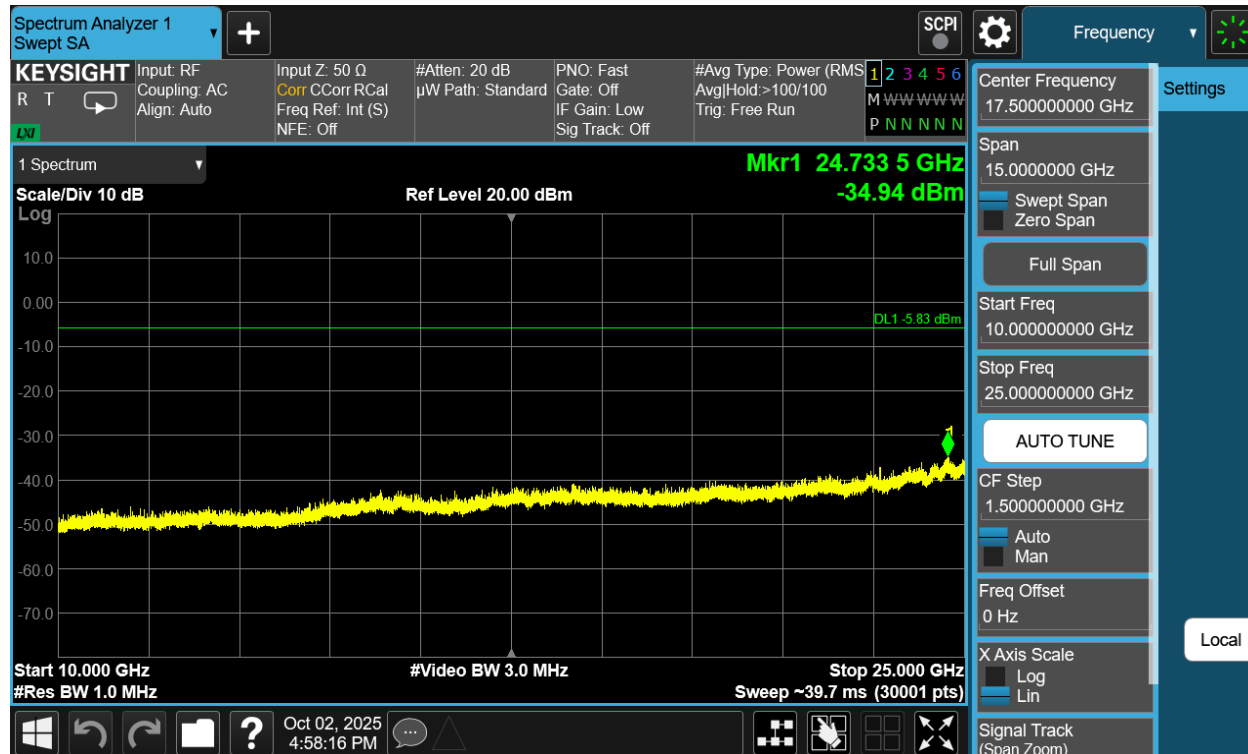
V 11.0 05/2025

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7.7.2 Antenna WF2b



Plot 7-271. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 1)

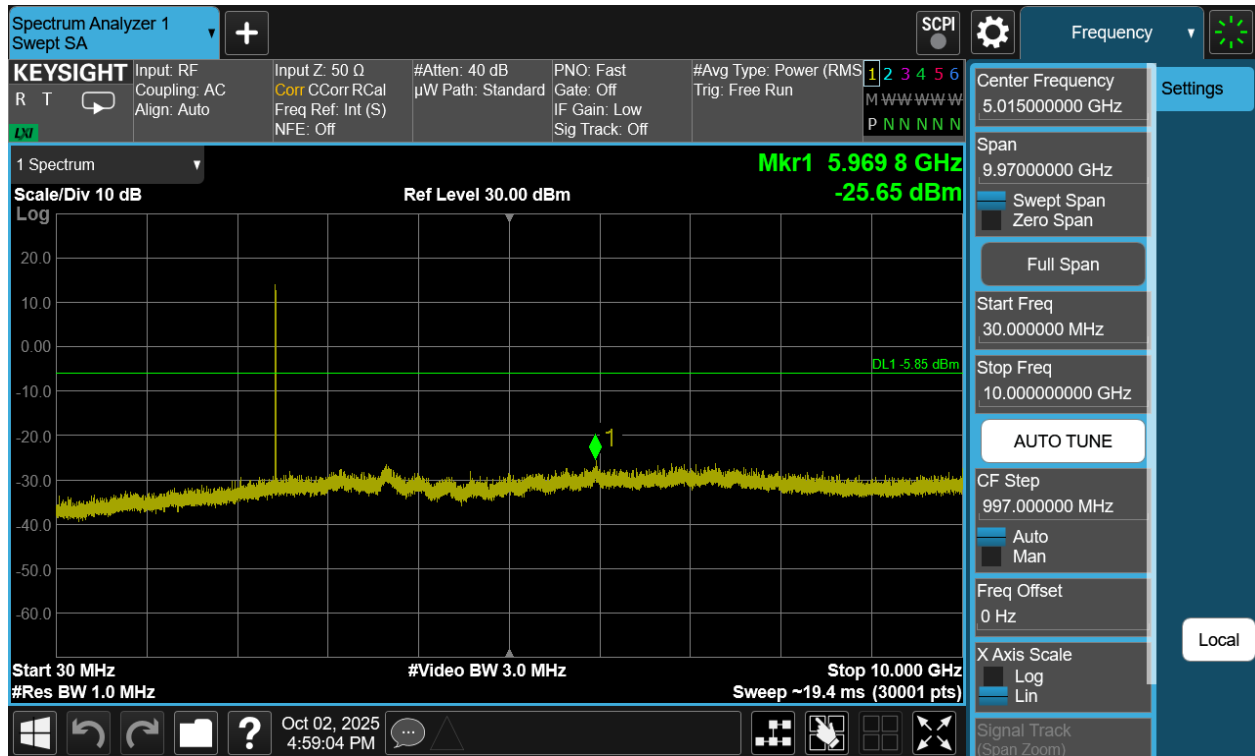


Plot 7-272. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 1)

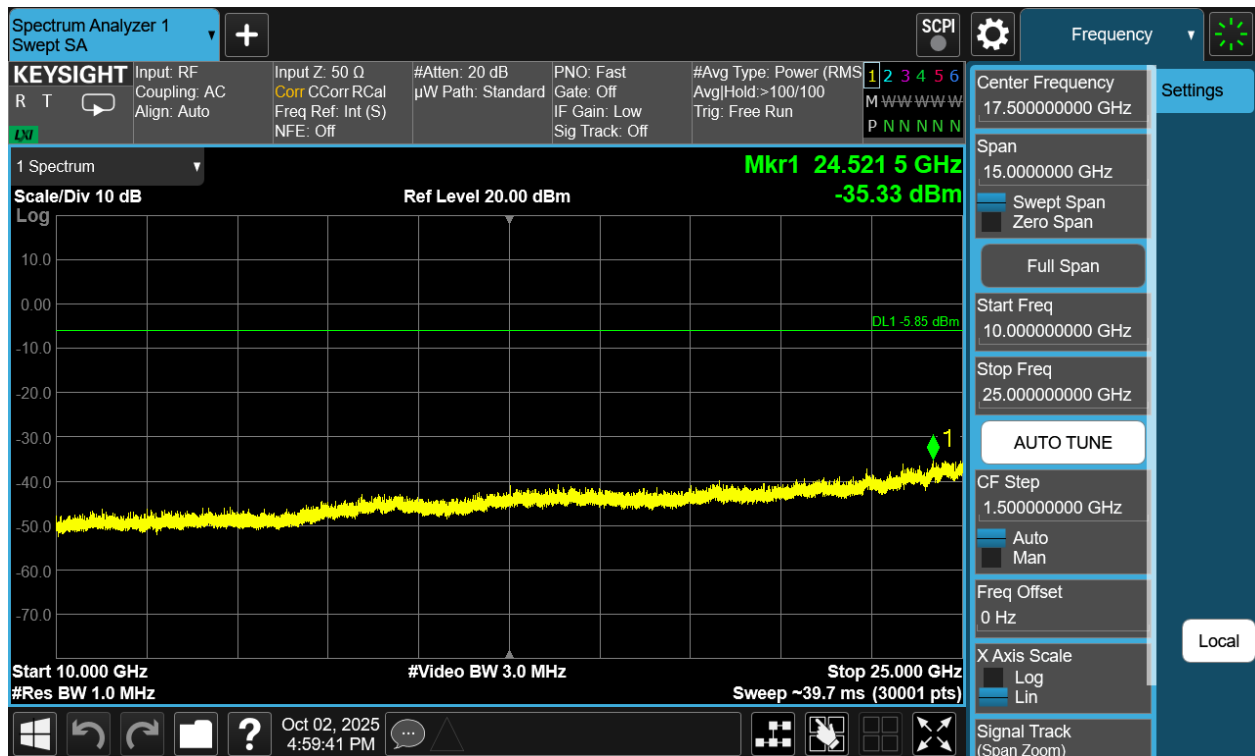
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 175 of 222

V 11.0 05/2025

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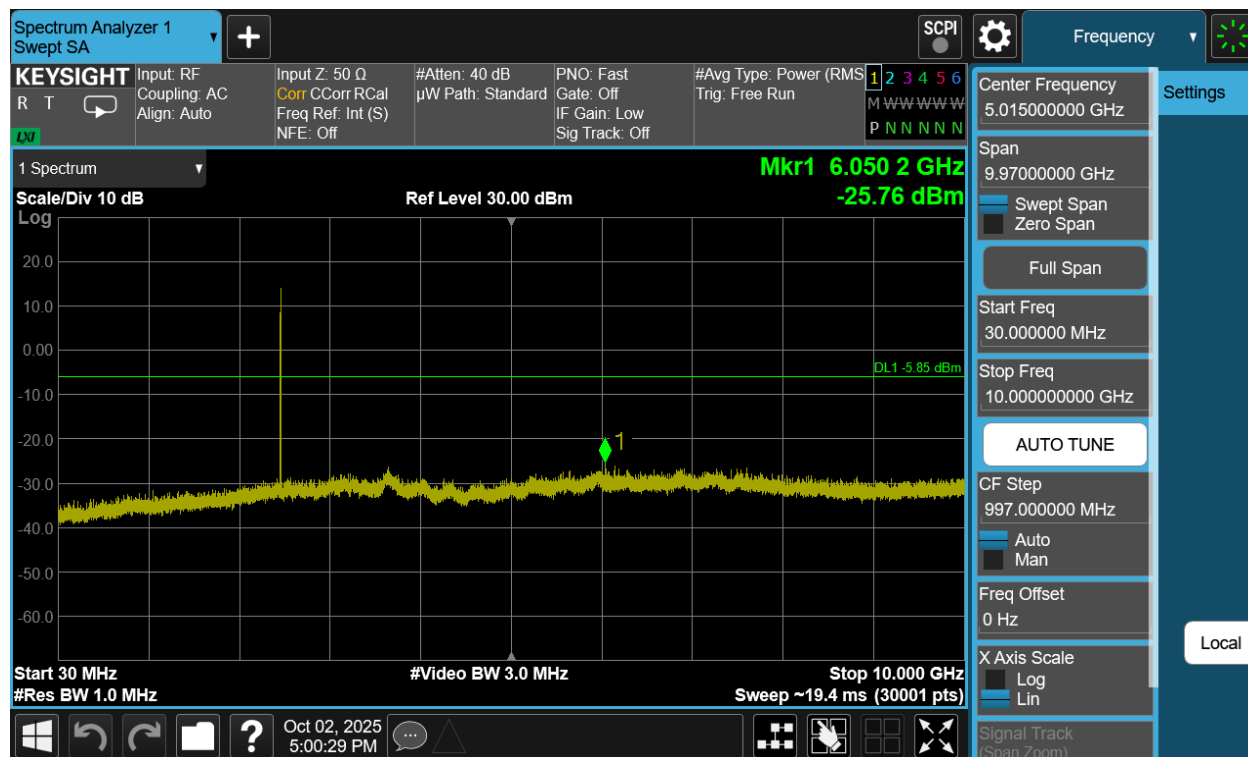


Plot 7-273. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 38)

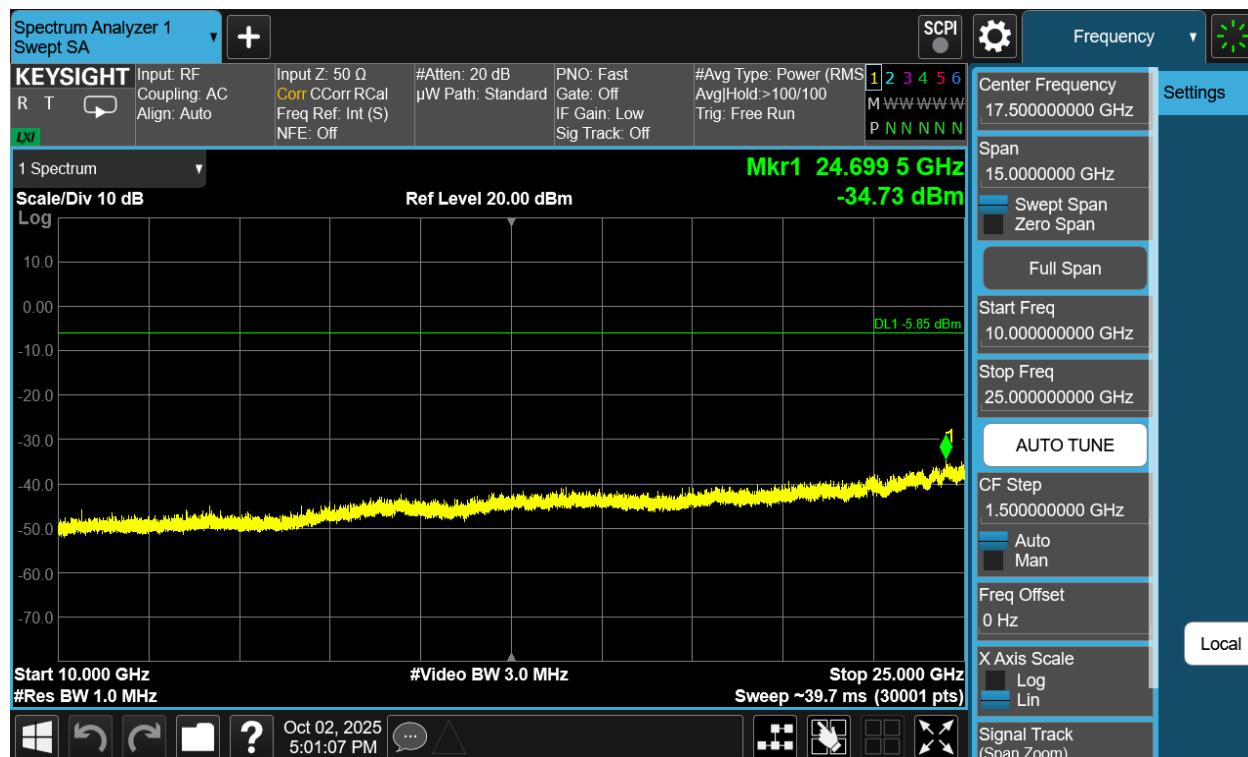


Plot 7-274. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 38)

FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 176 of 222

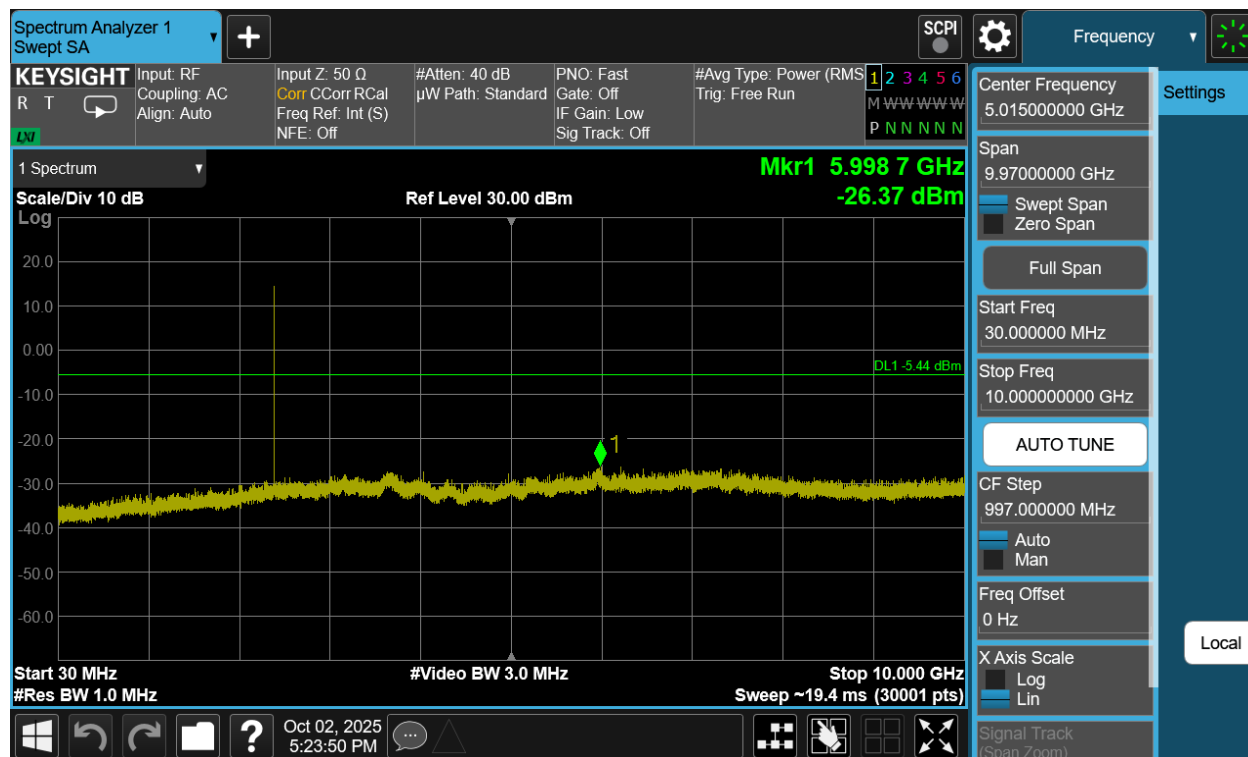


Plot 7-275. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 73)

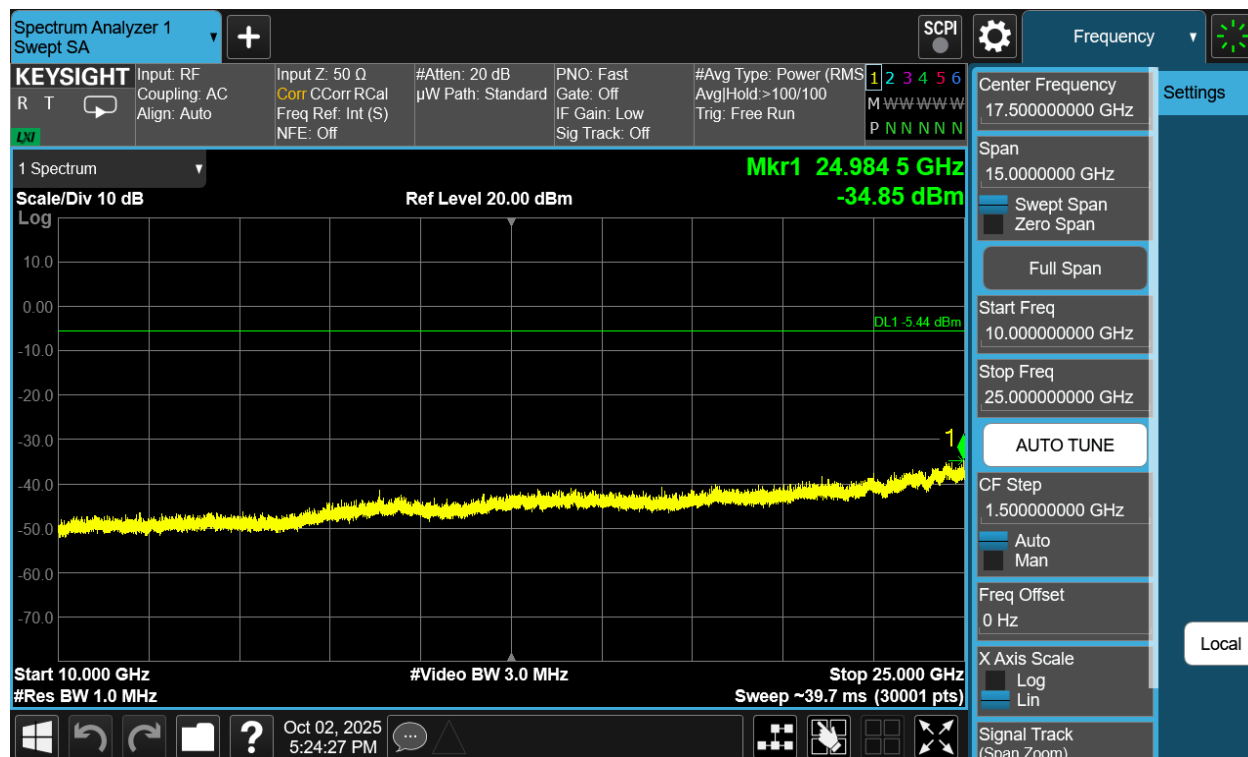


Plot 7-276. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDR4), 4 Mbps, ePA – Ch. 73)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 177 of 222



Plot 7-277. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 1)

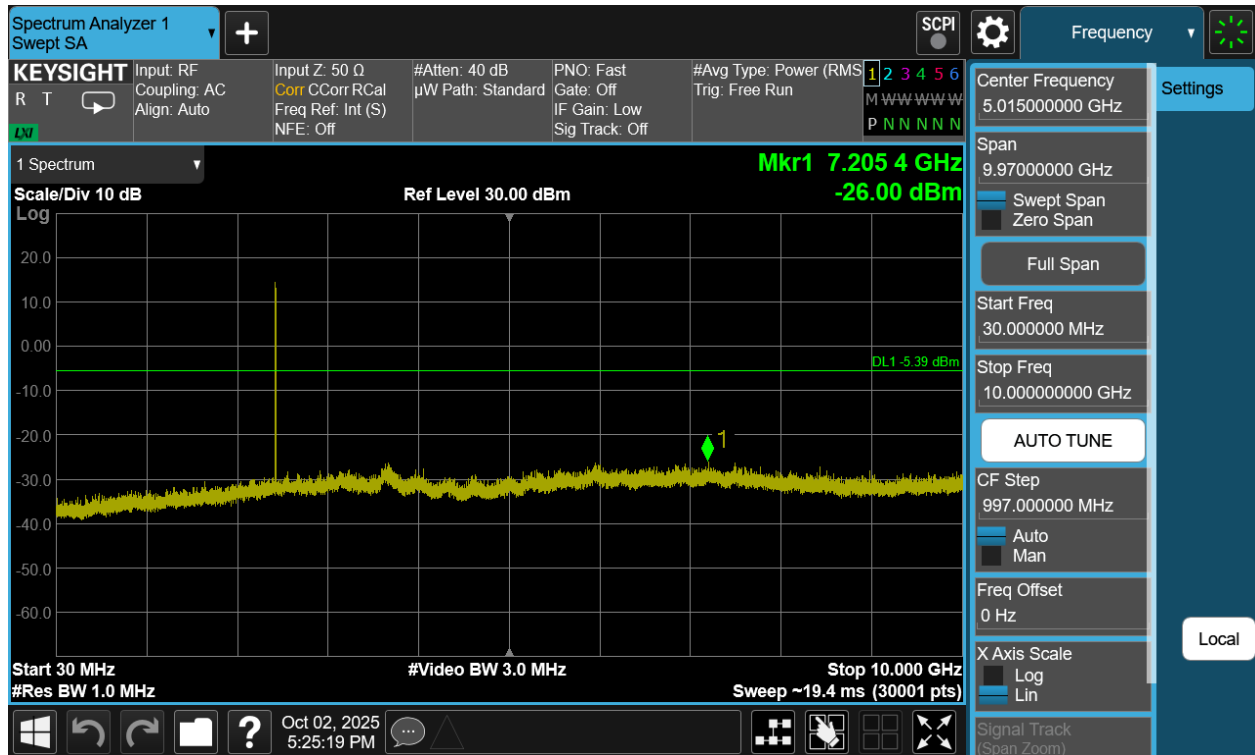


Plot 7-278. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 1)

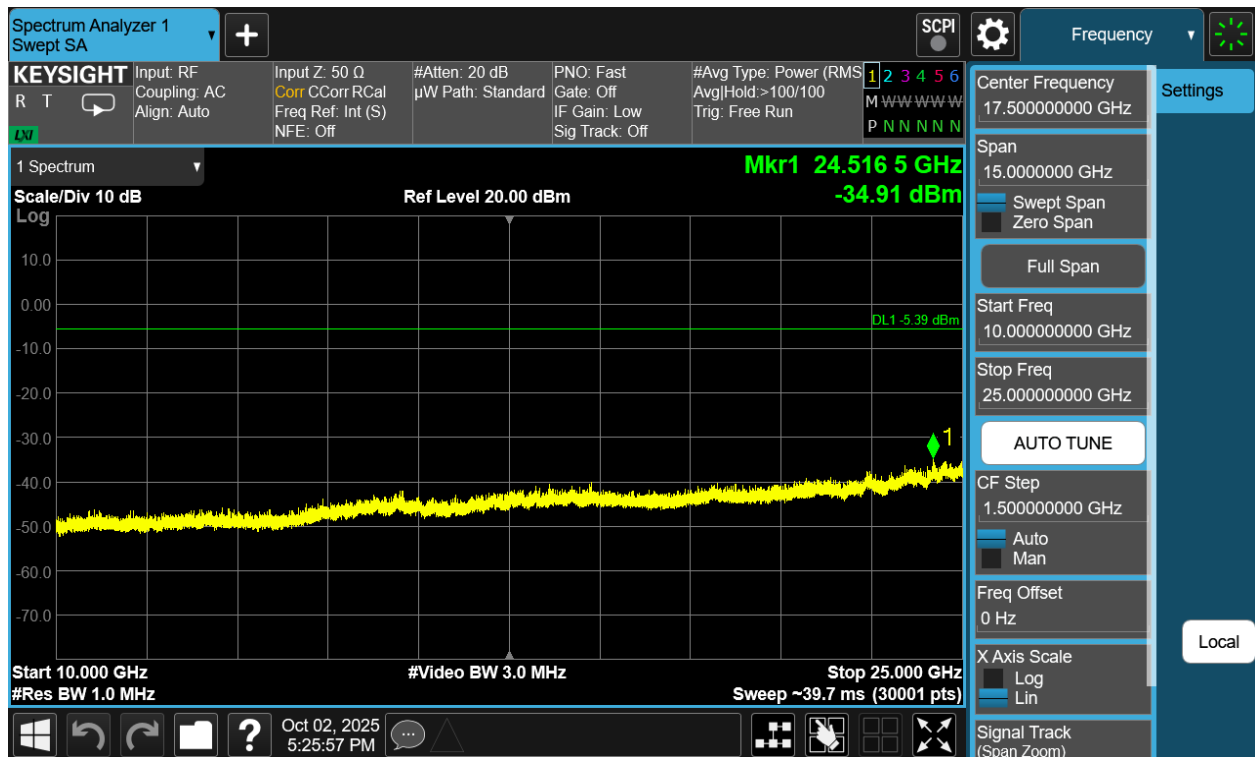
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 178 of 222

V 11.0 05/2025

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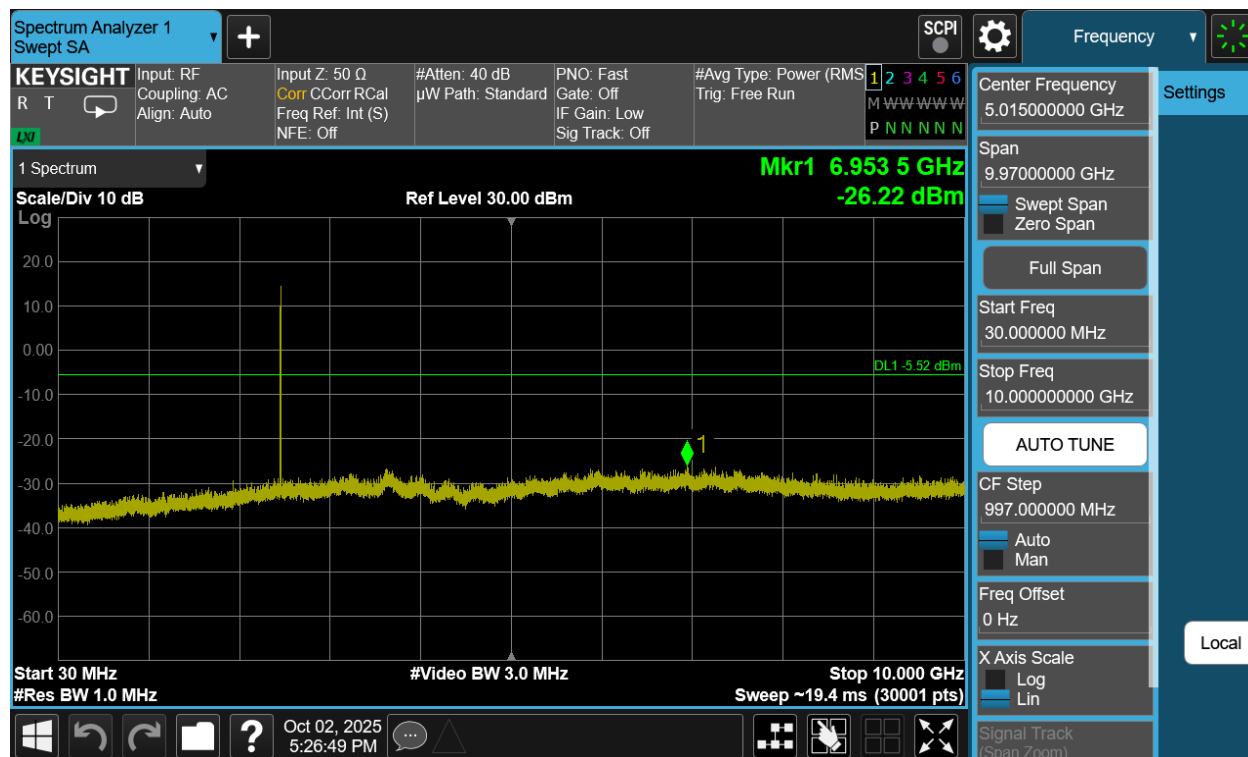


Plot 7-279. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)

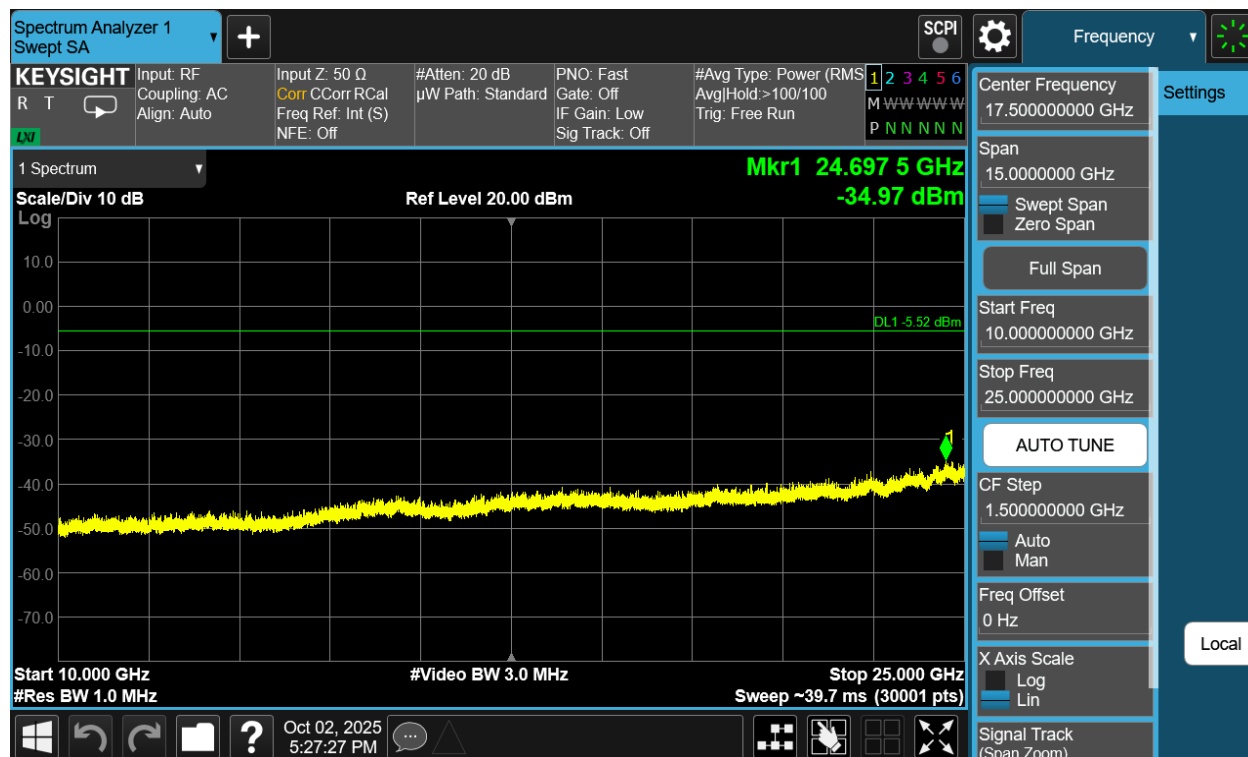


Plot 7-280. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 179 of 222

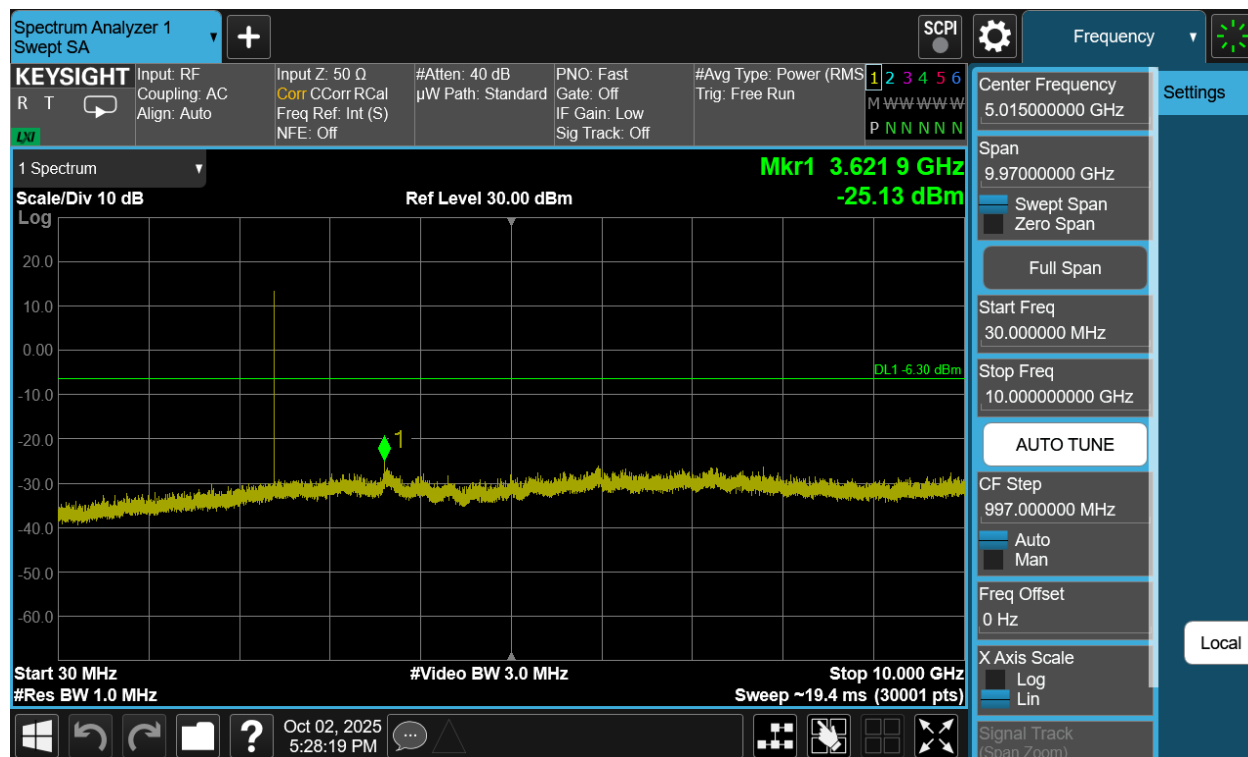


Plot 7-281. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 73)

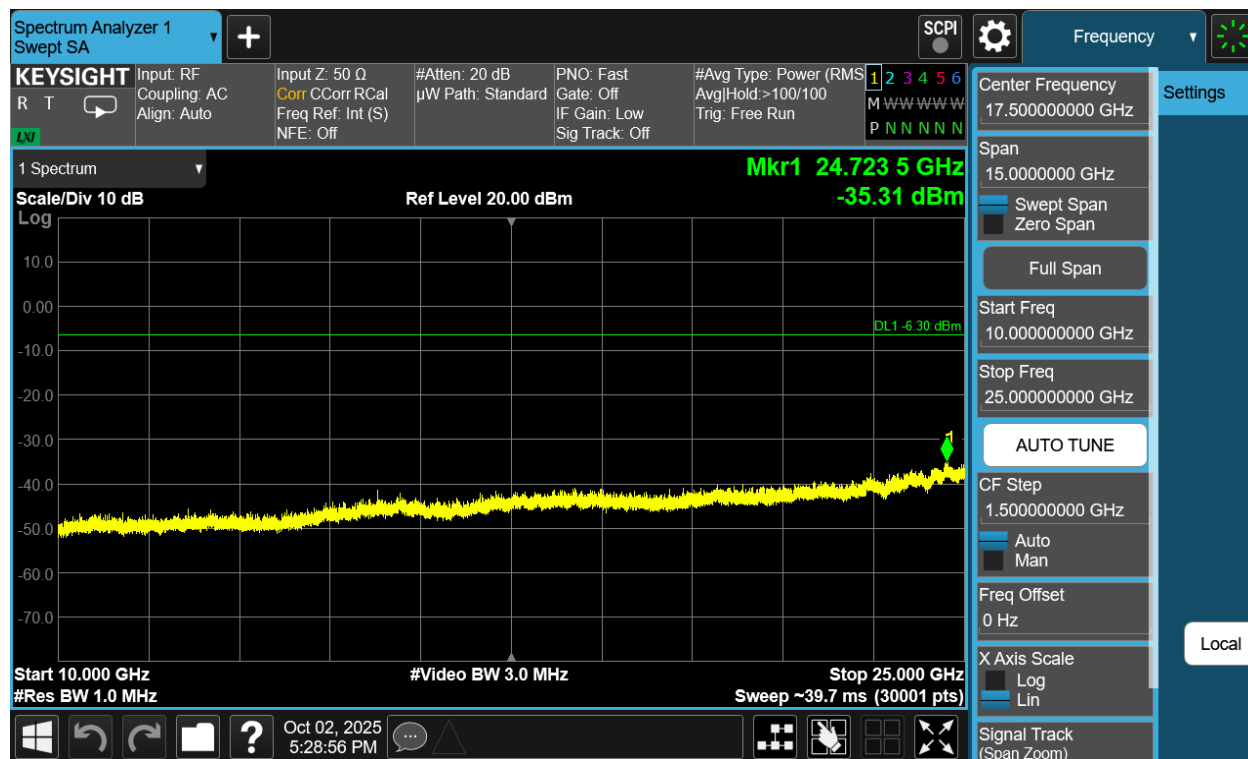


Plot 7-282. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 73)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 180 of 222



Plot 7-283. Conducted Spurious Plot Antenna WF2b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

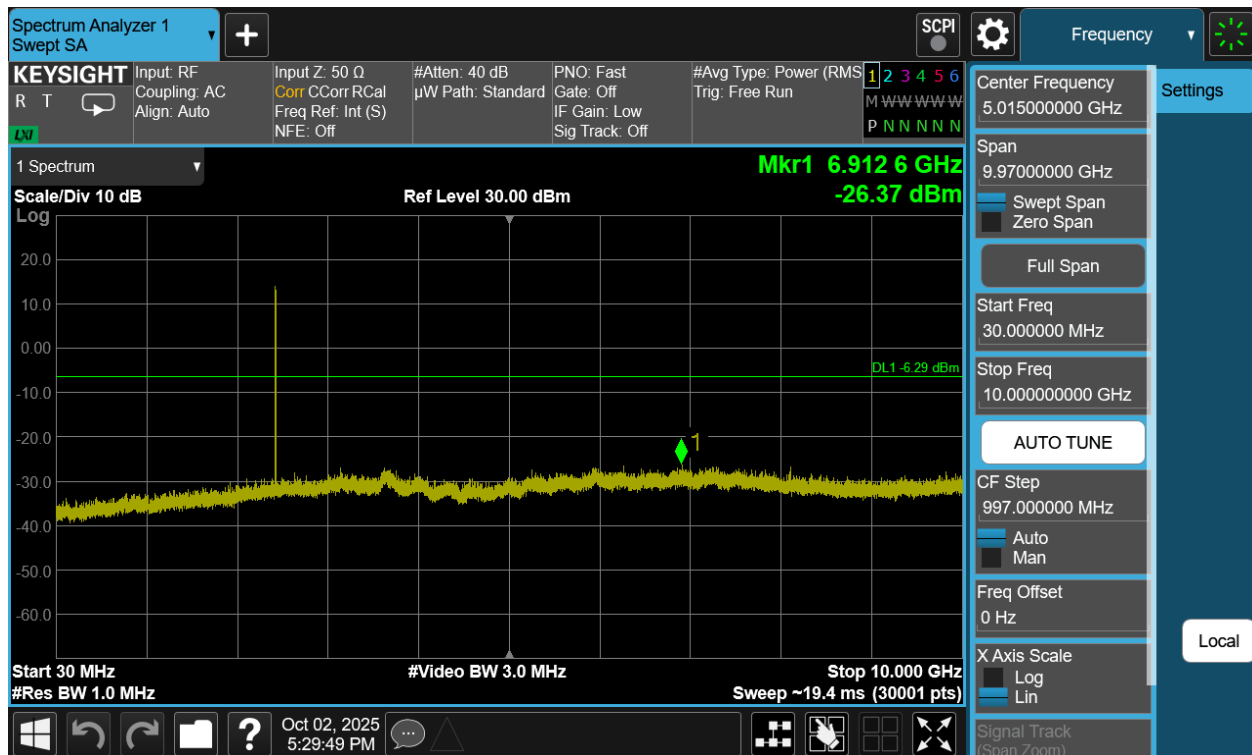


Plot 7-284. Conducted Spurious Plot Antenna WF2b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

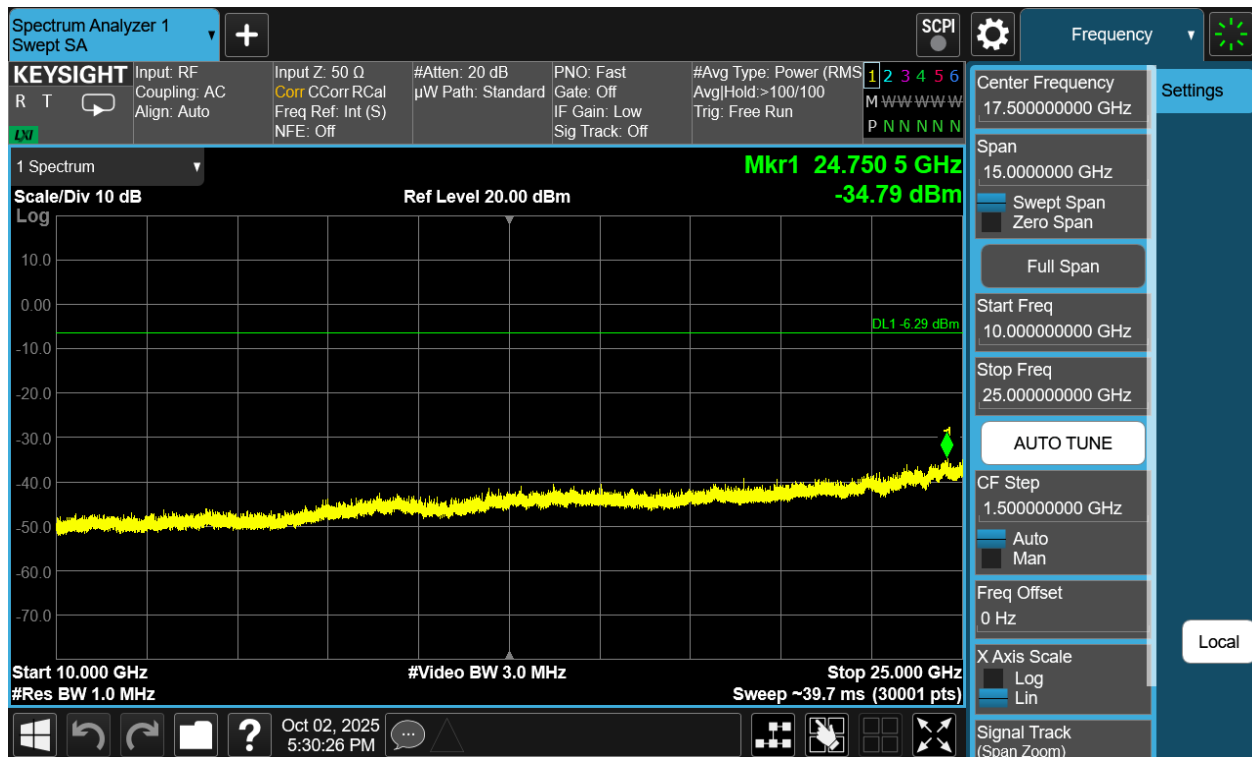
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 181 of 222

V 11.0 05/2025

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Plot 7-285. Conducted Spurious Plot Antenna WF2b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

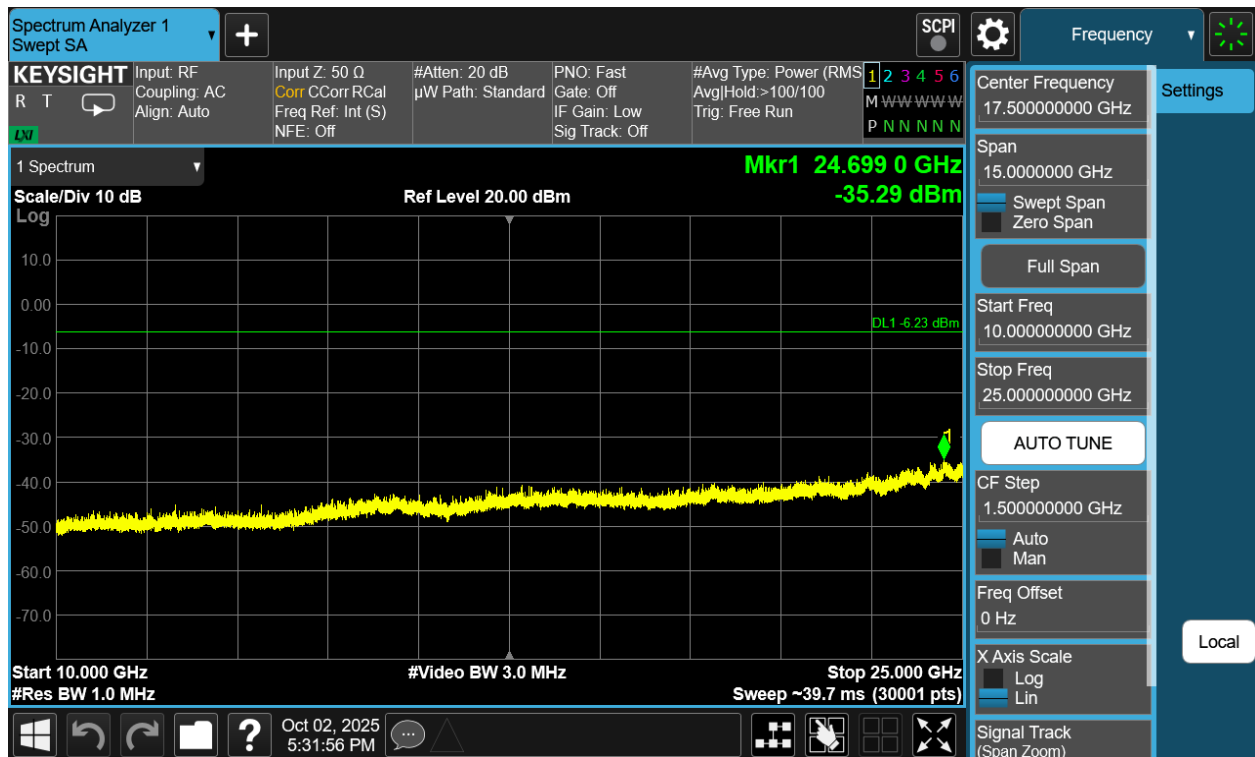
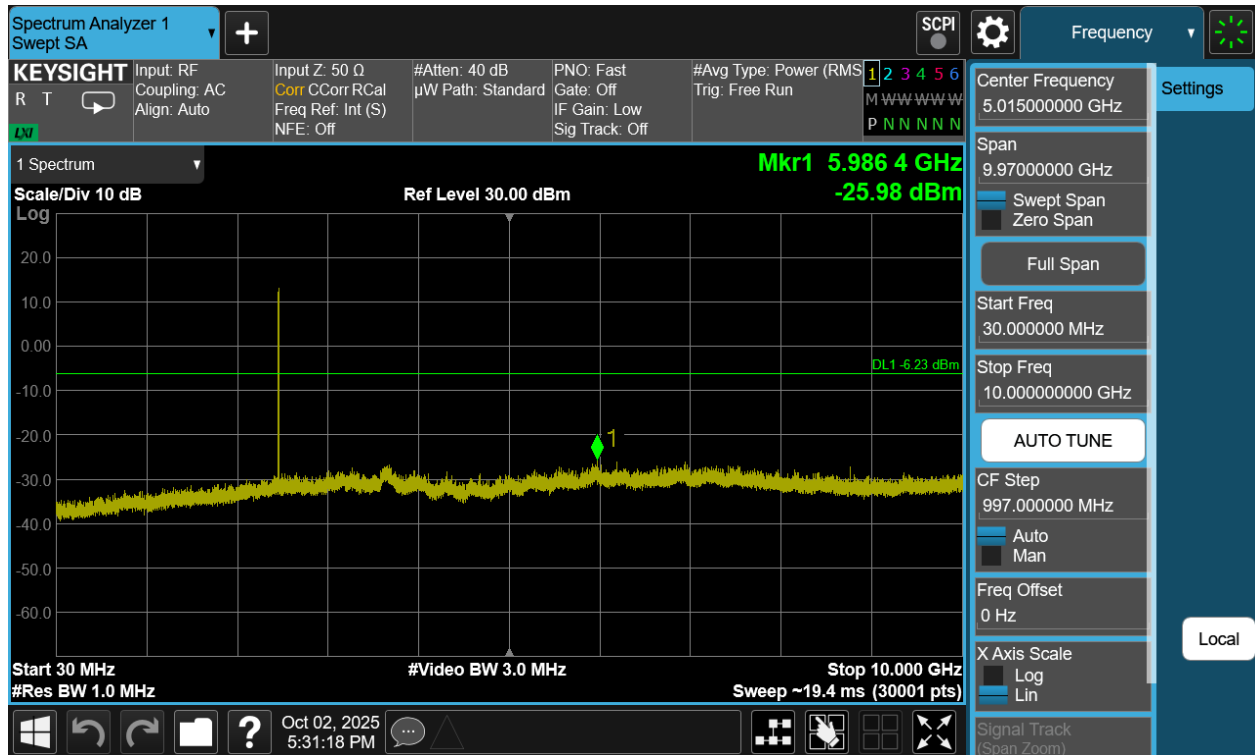


Plot 7-286. Conducted Spurious Plot Antenna WF2b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

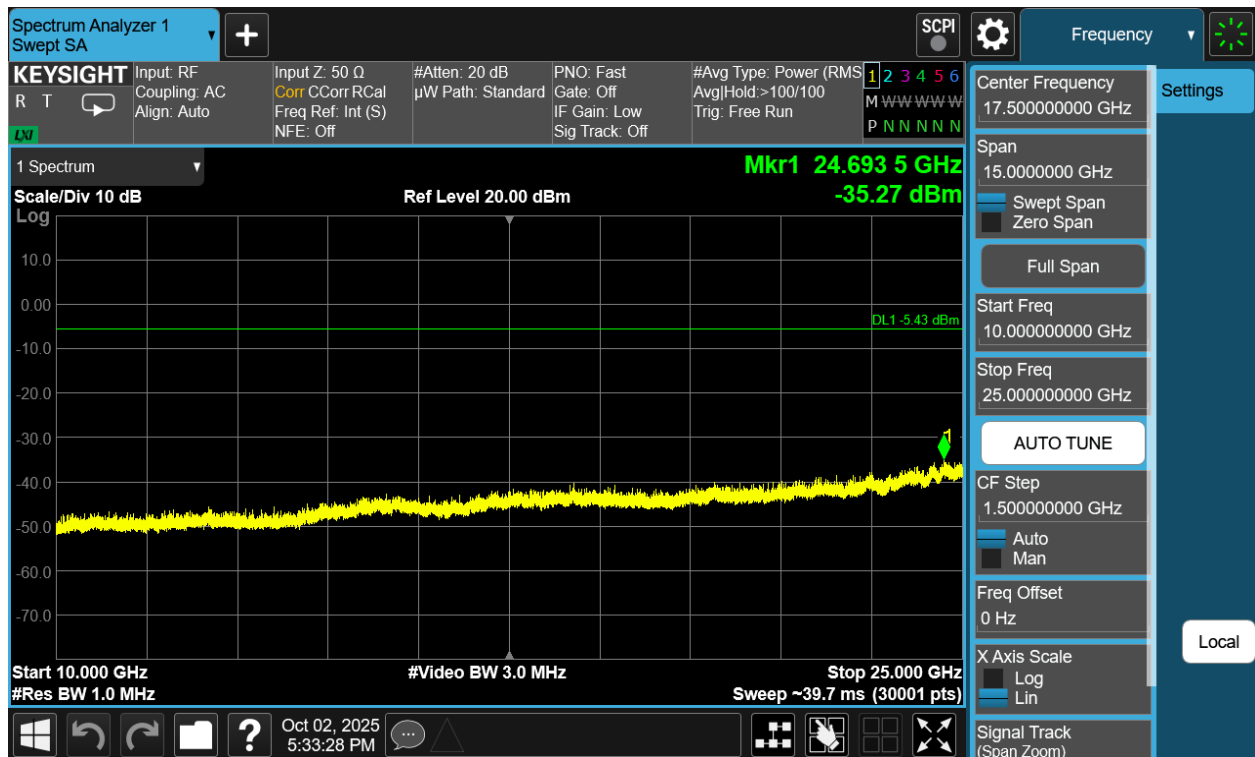
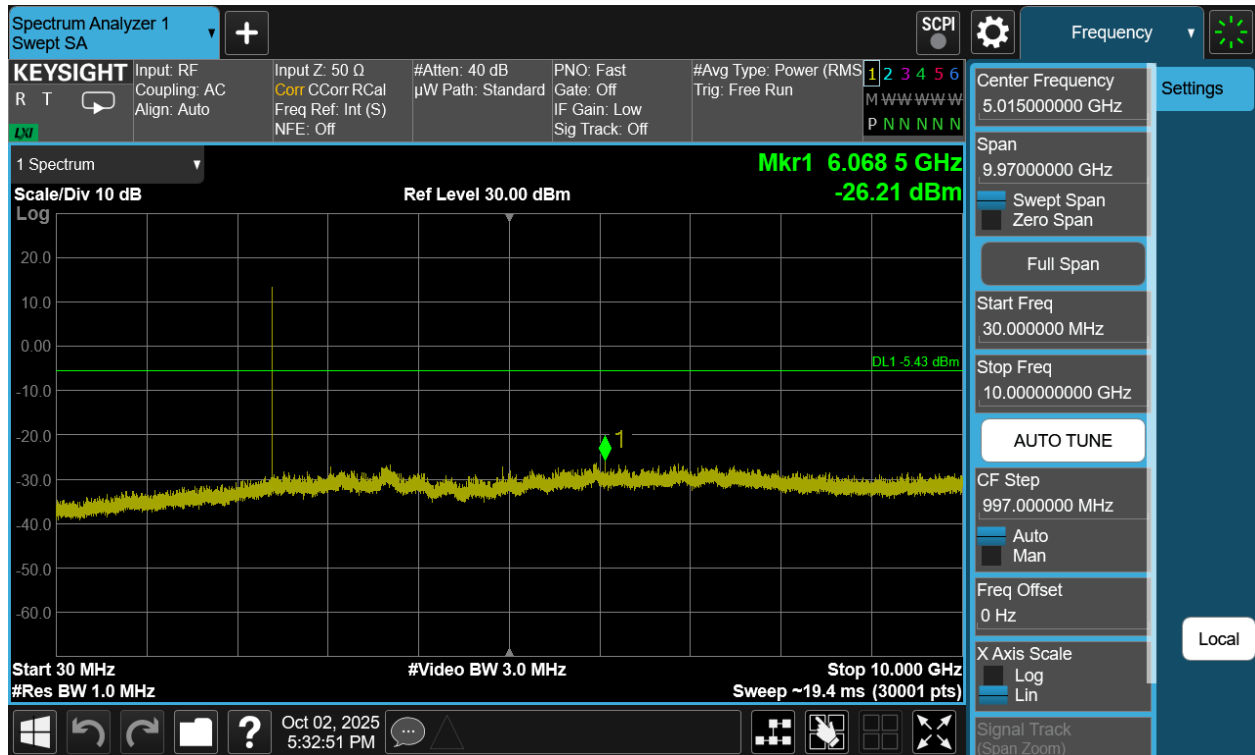
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 182 of 222

V 11.0 05/2025

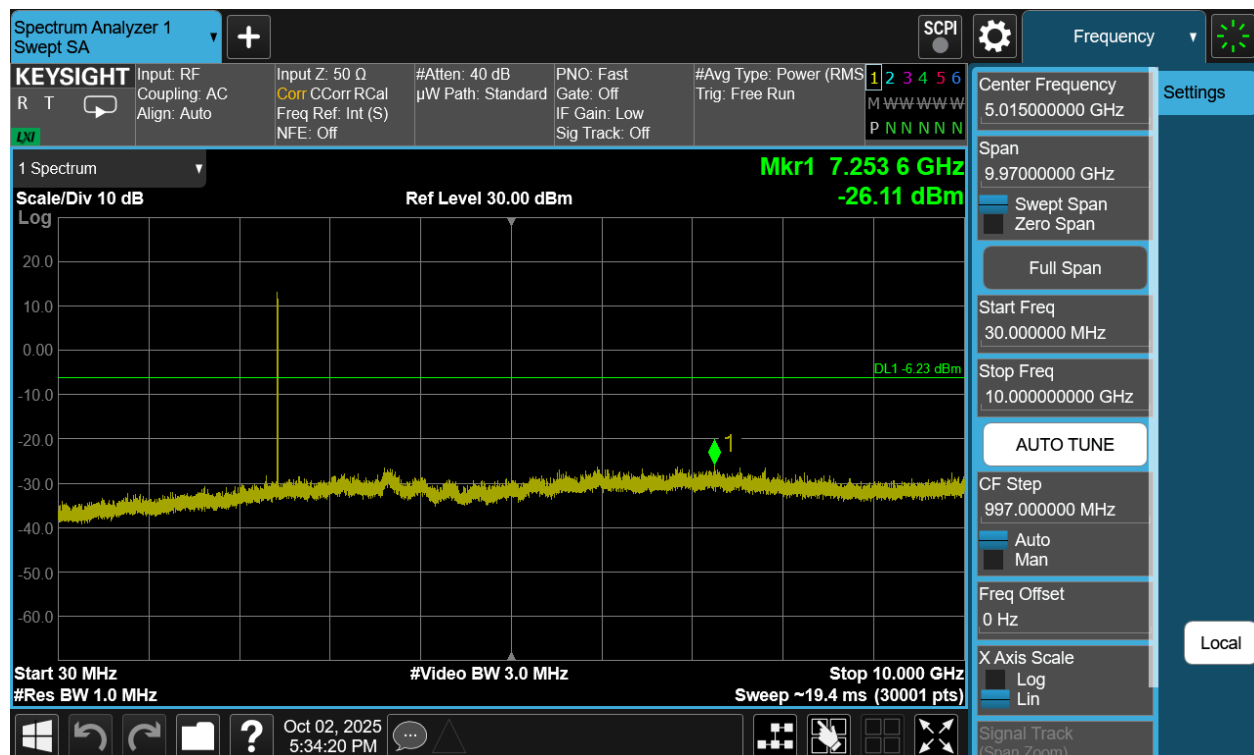
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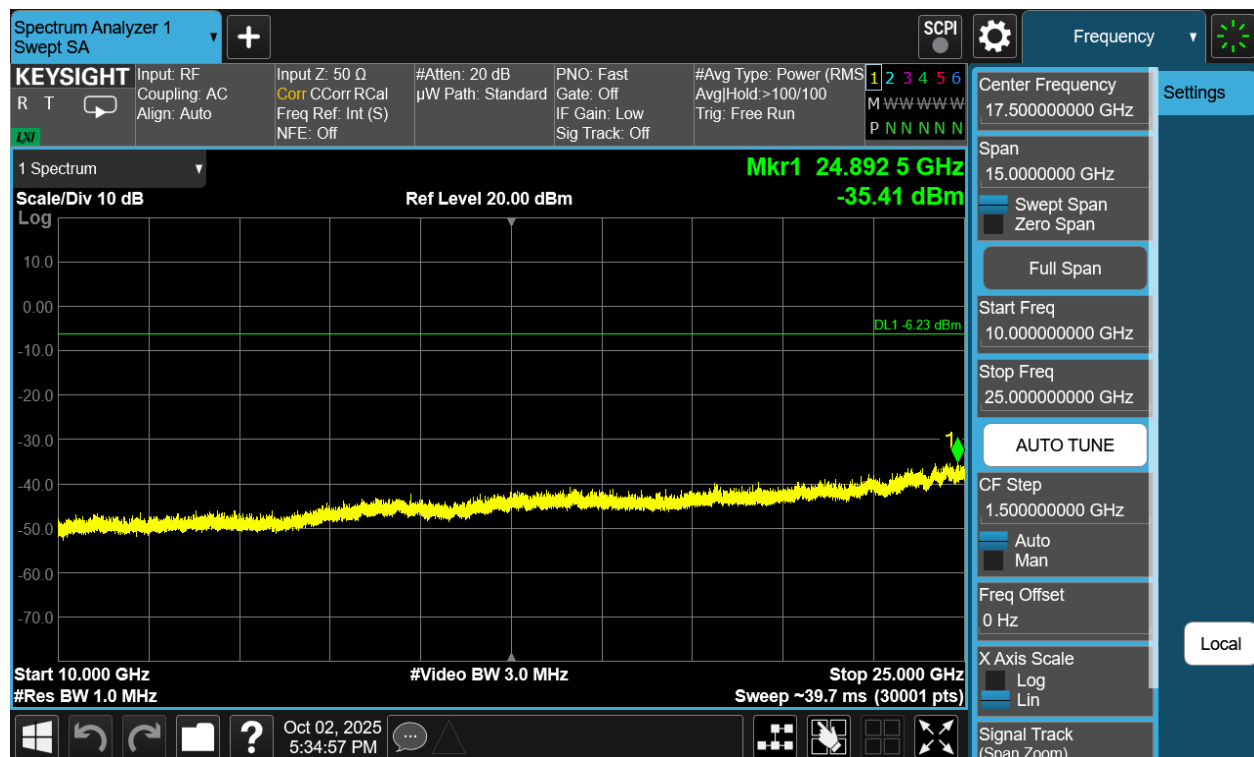
FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 183 of 222



FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 184 of 222

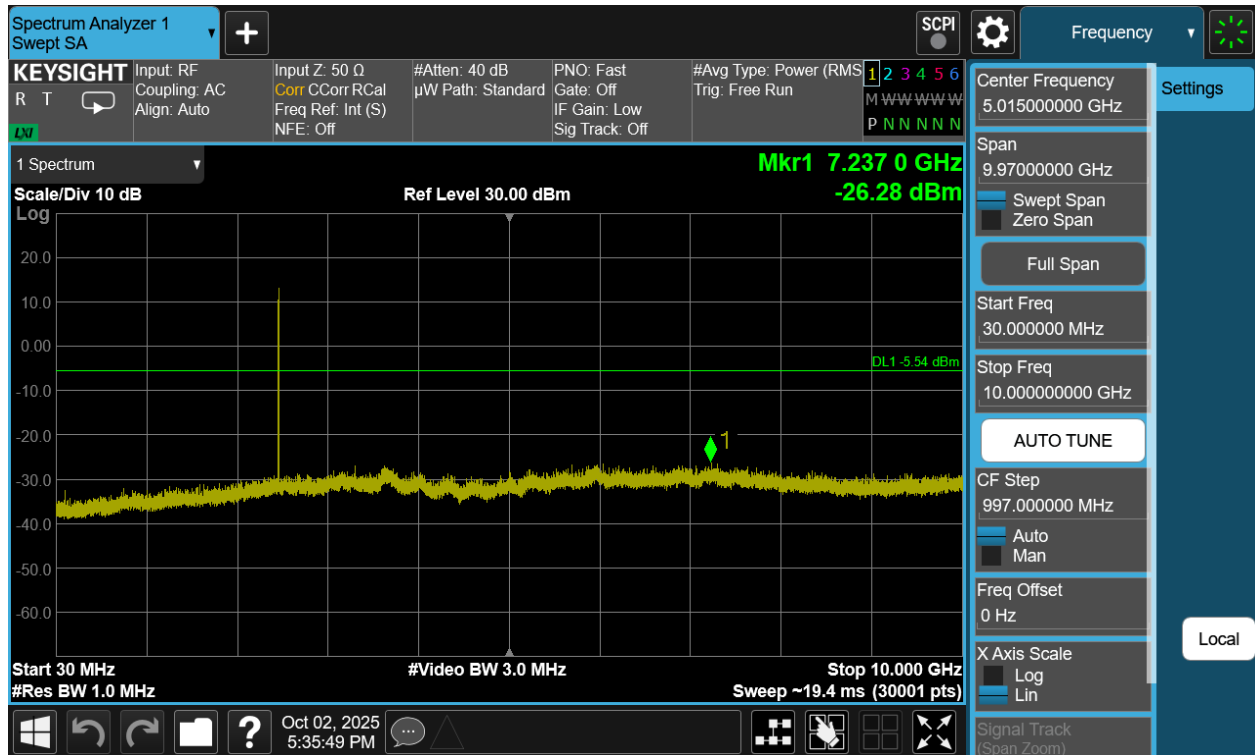


Plot 7-291. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

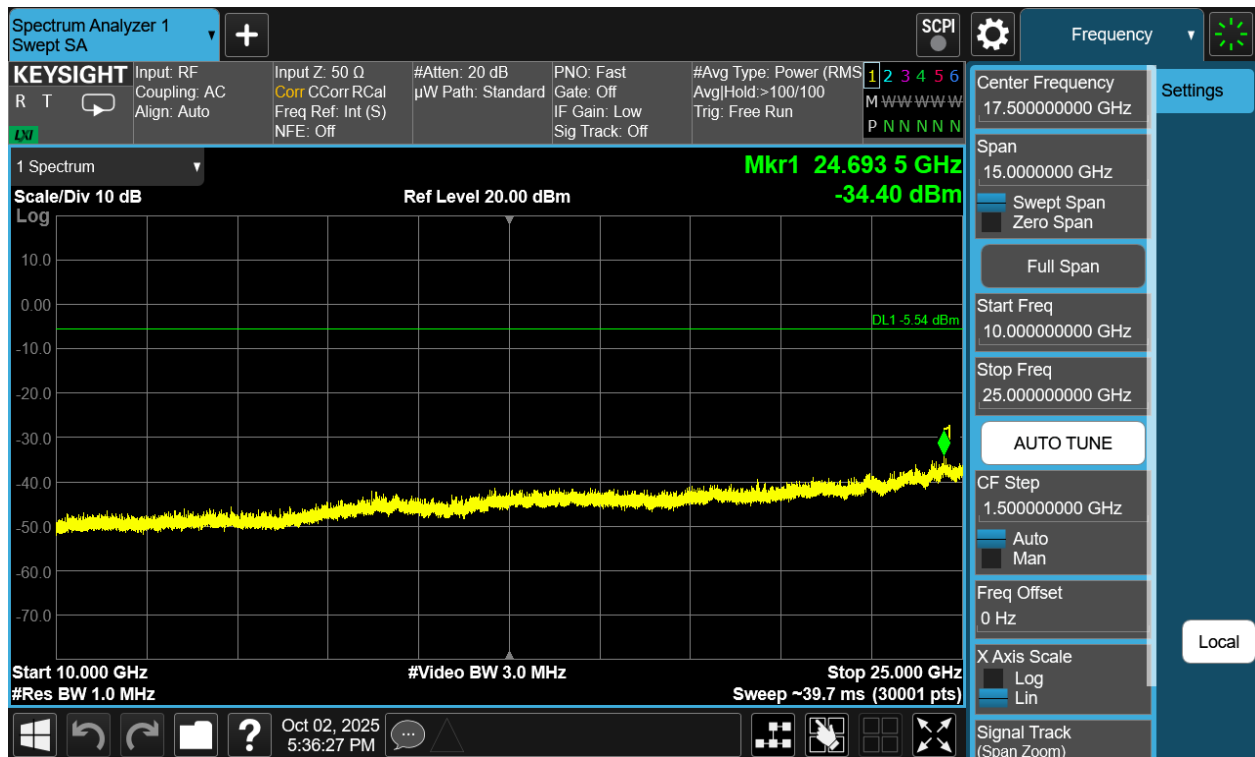


Plot 7-292. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 185 of 222



Plot 7-293. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)



Plot 7-294. Conducted Spurious Plot Antenna WF2b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-07-R3.BCG	Test Dates: 09/15/2025 - 11/12/2025	EUT Type: Tablet Device	Page 186 of 222