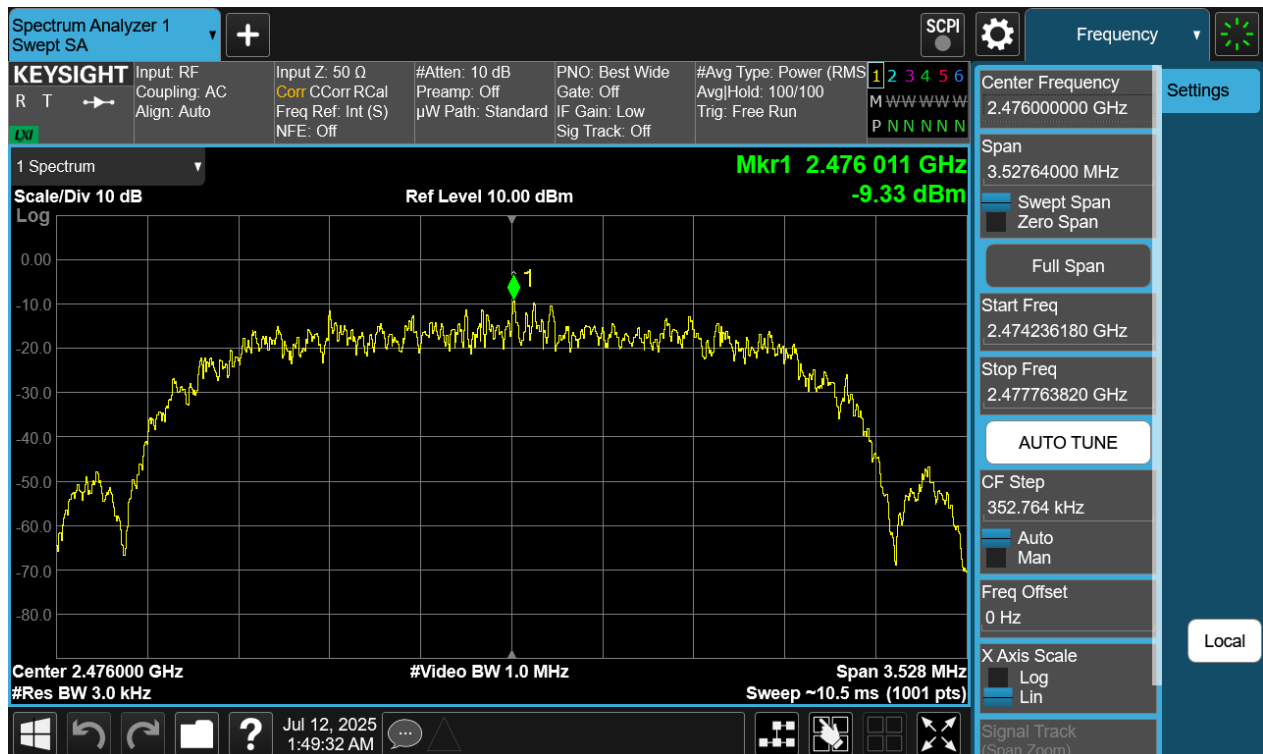




FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-07-R2.BCG	Test Dates: 05/12/2025 - 09/02/2025	EUT Type: Tablet Device	Page 156 of 305



Plot 7-245. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)



Plot 7-246. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-249. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)



Plot 7-250. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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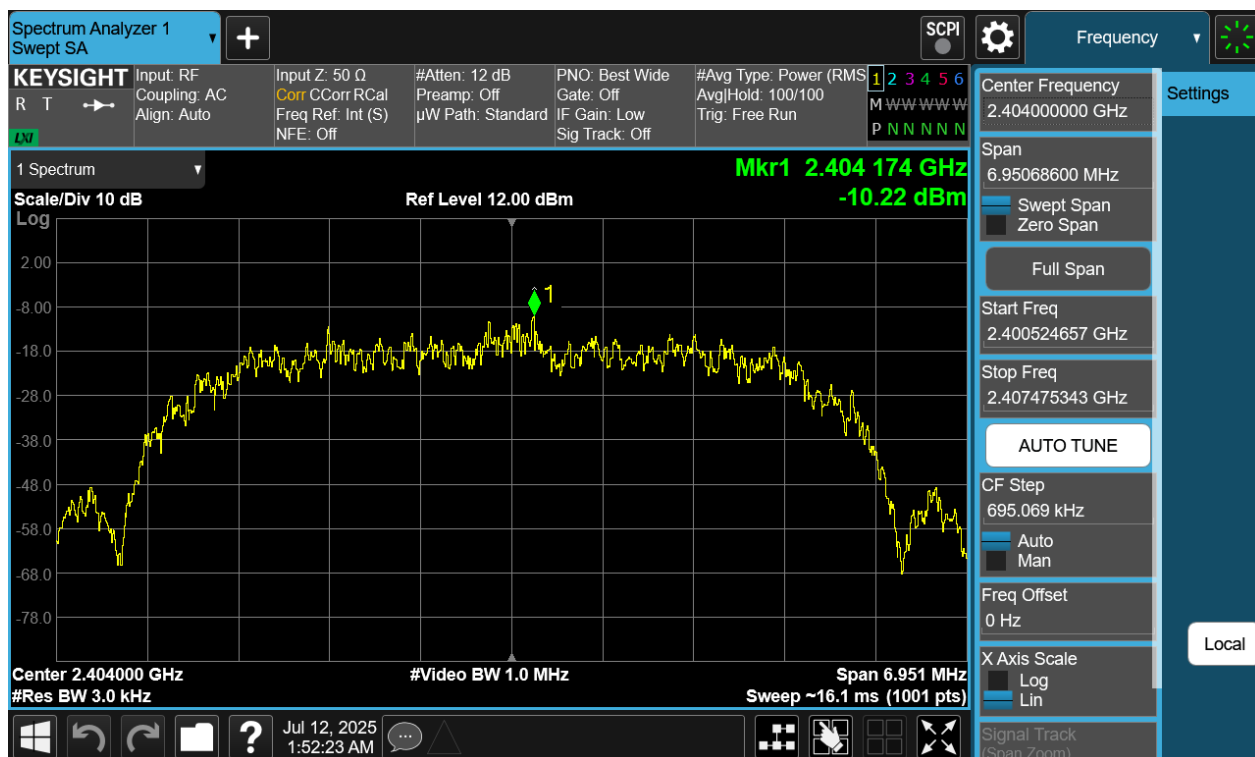


Plot 7-251. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)



Plot 7-252. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

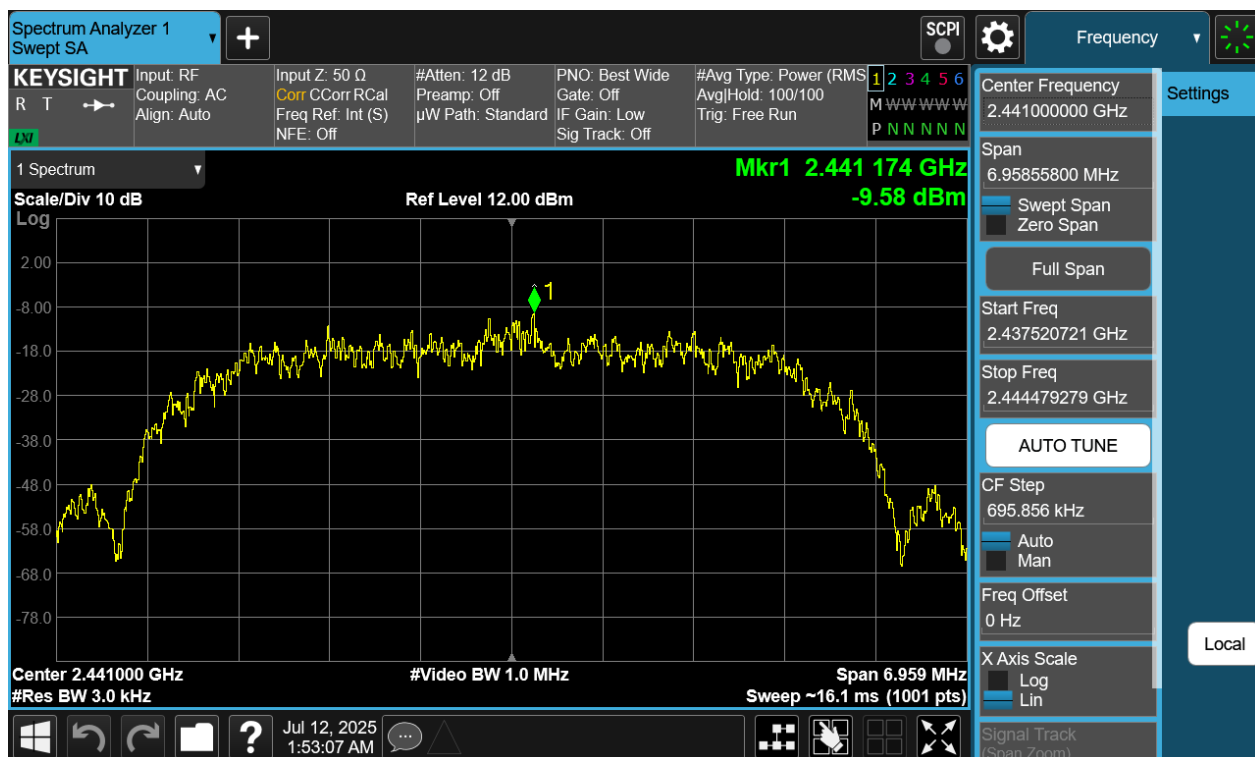
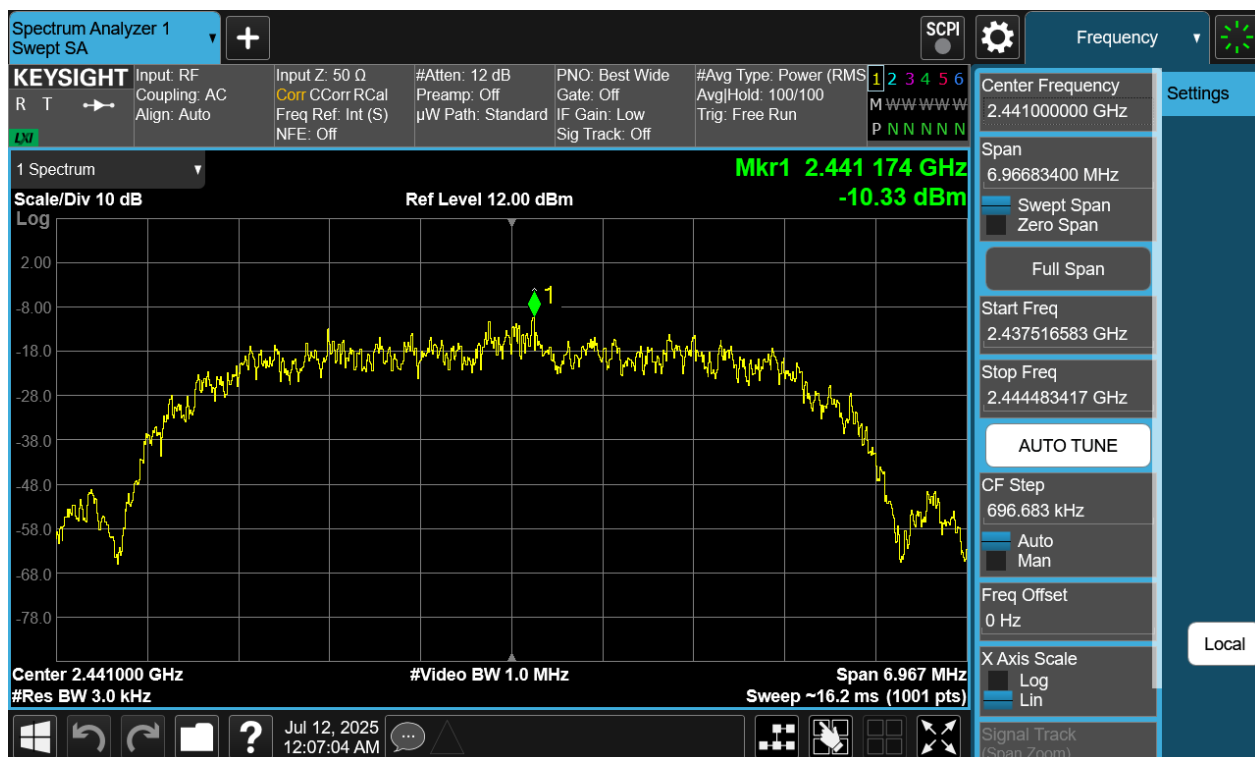
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-257. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)



Plot 7-258. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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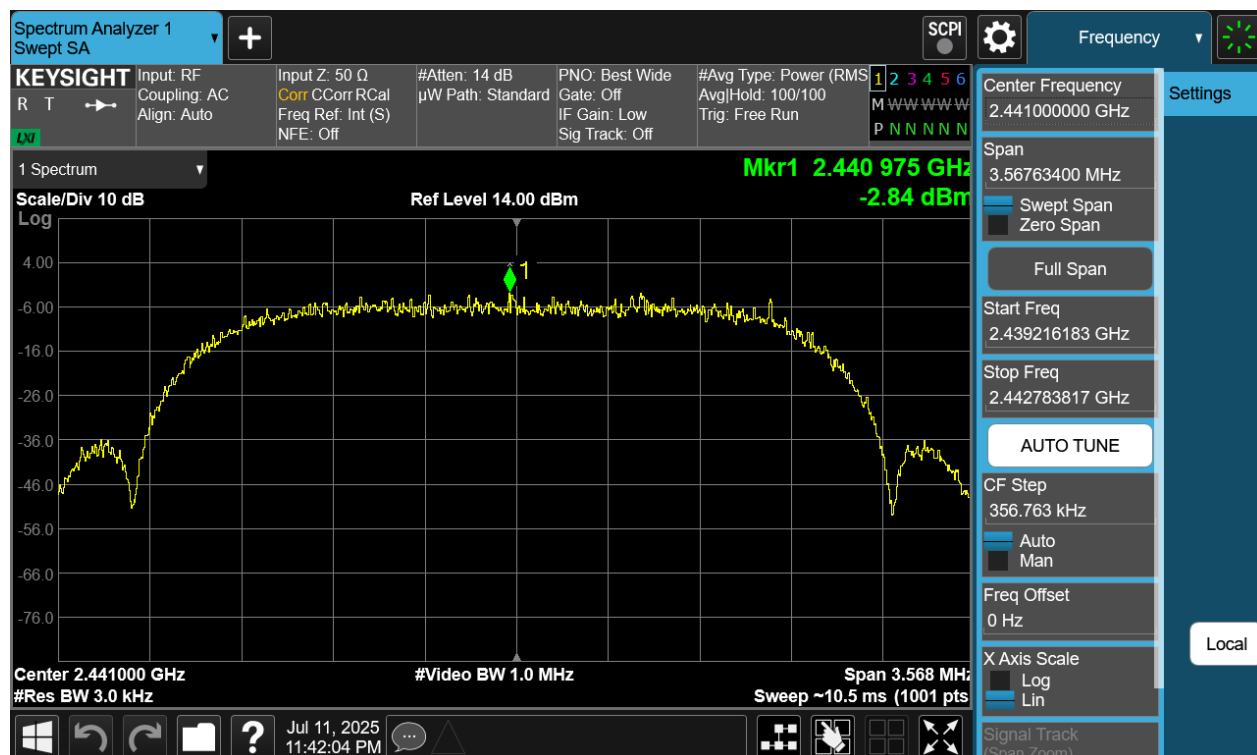


Plot 7-259. Power Spectral Density Plot TxBF Diversity Antenna WF8 (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 1)



Plot 7-260. Power Spectral Density Plot TxBF Diversity Antenna WF9 (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 1)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-261. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)



Plot 7-262. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPS2), 8Mbps, ePA – Ch. 38)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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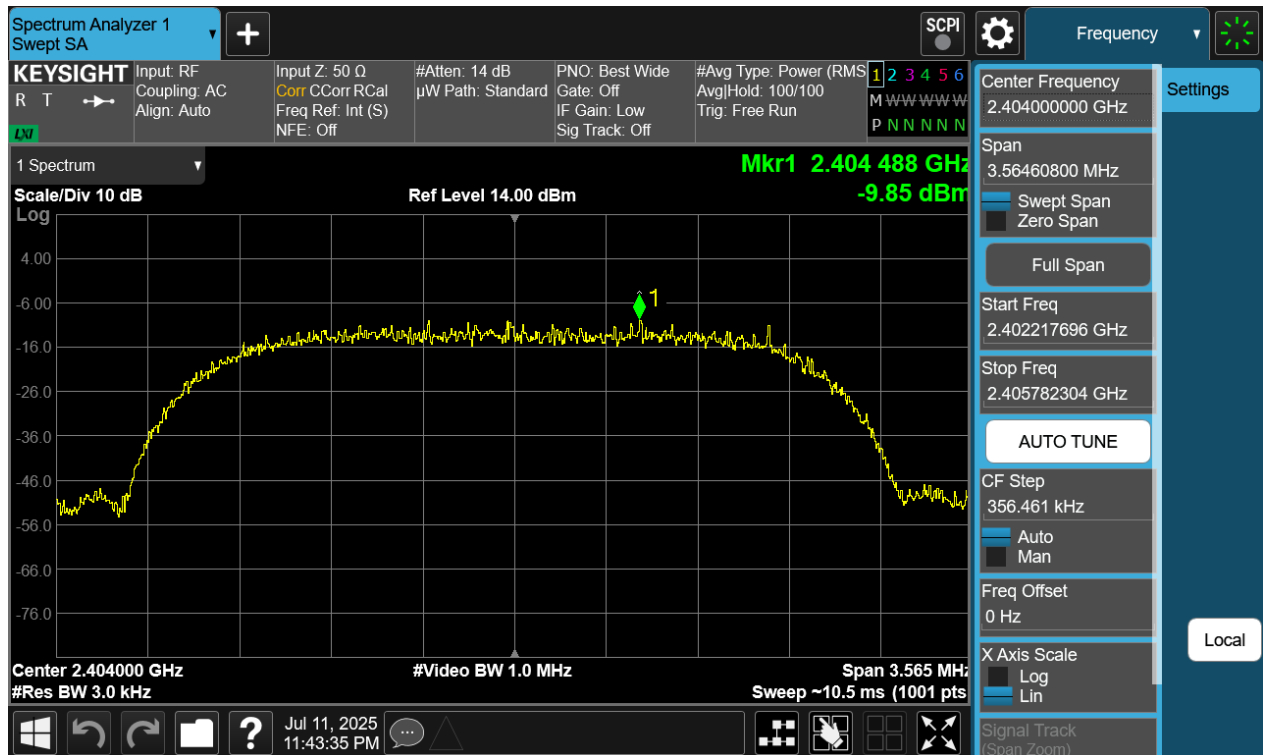
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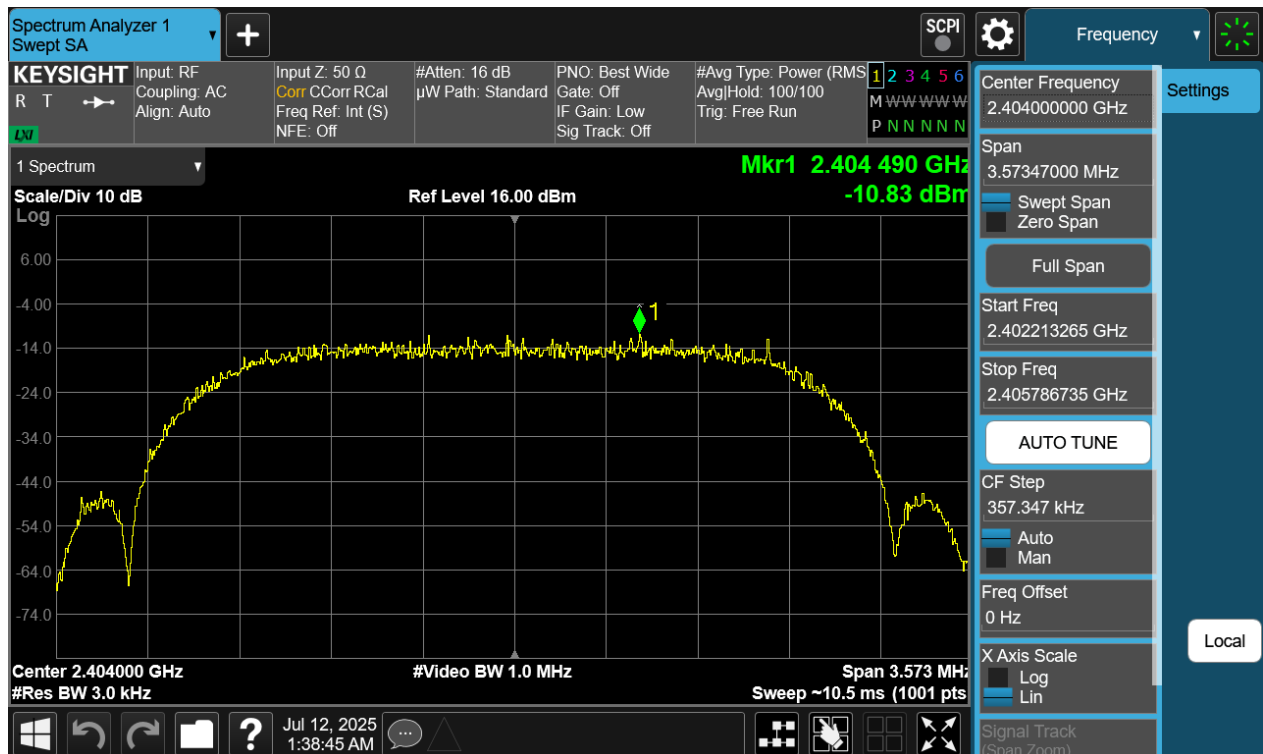
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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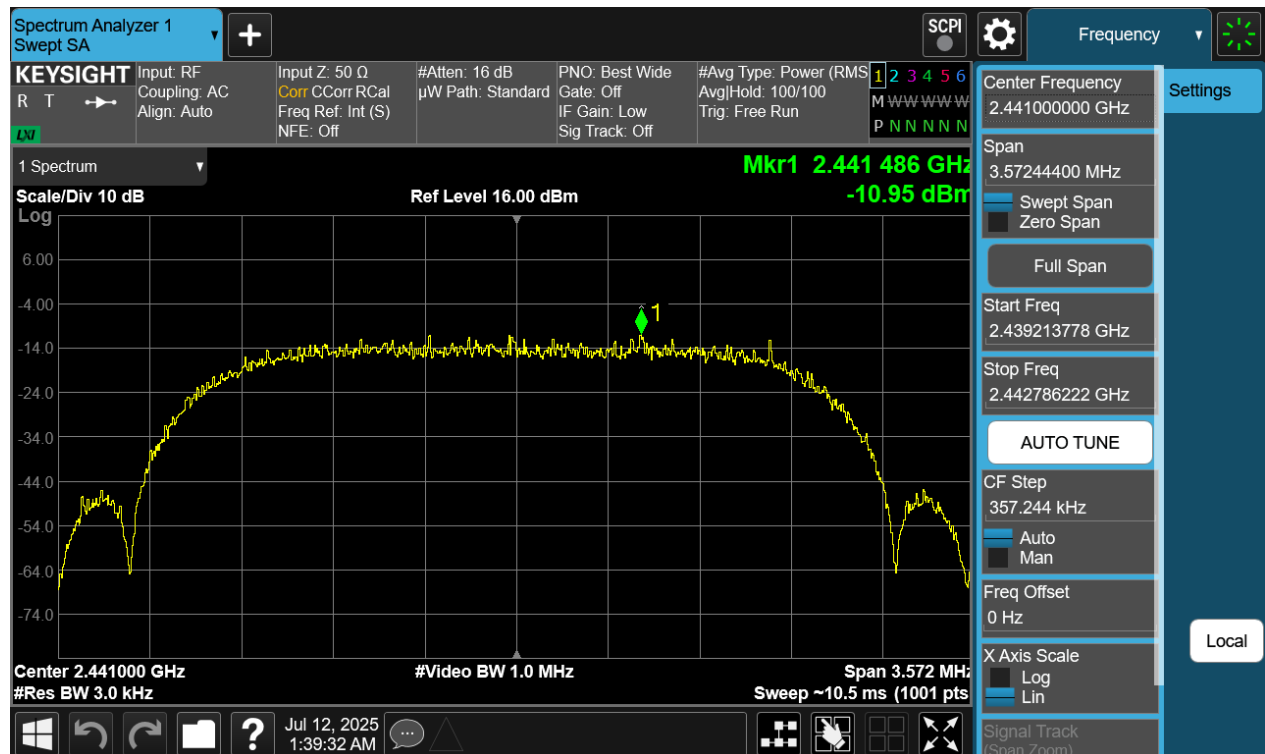
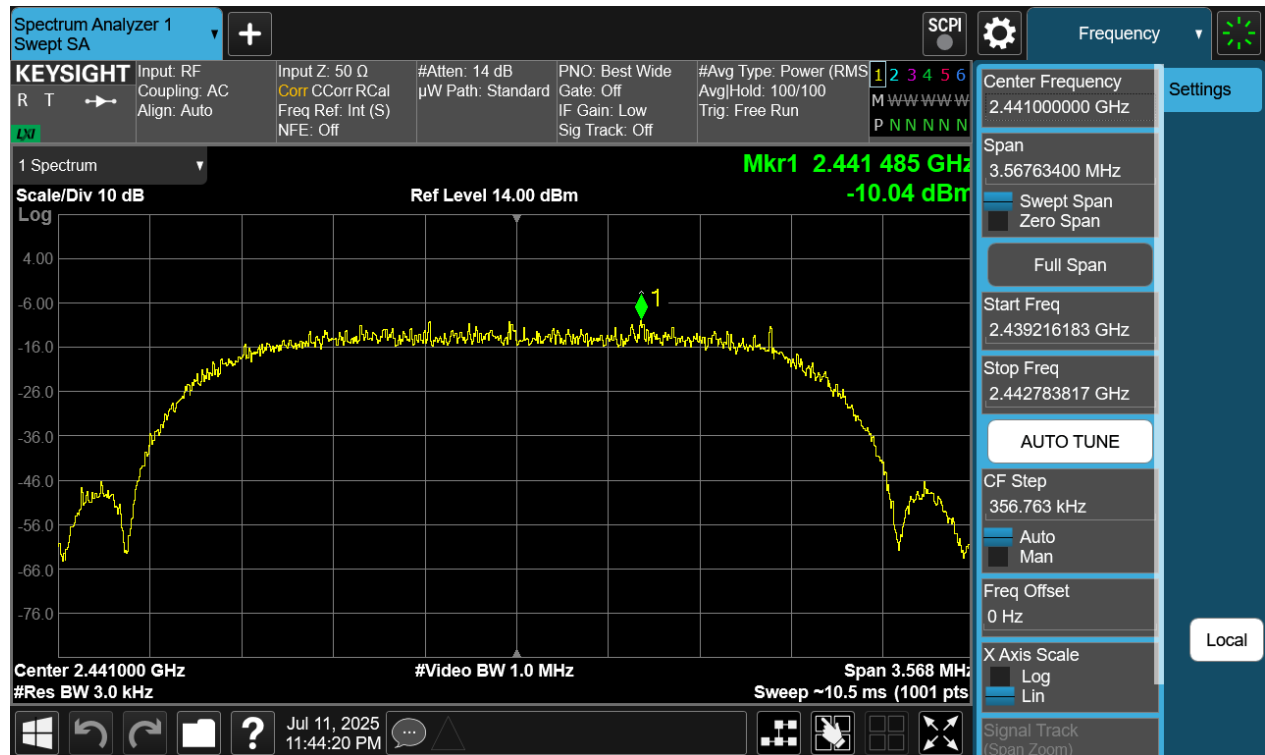


Plot 7-265. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPS2), 8Mbps, iPA – Ch. 1)

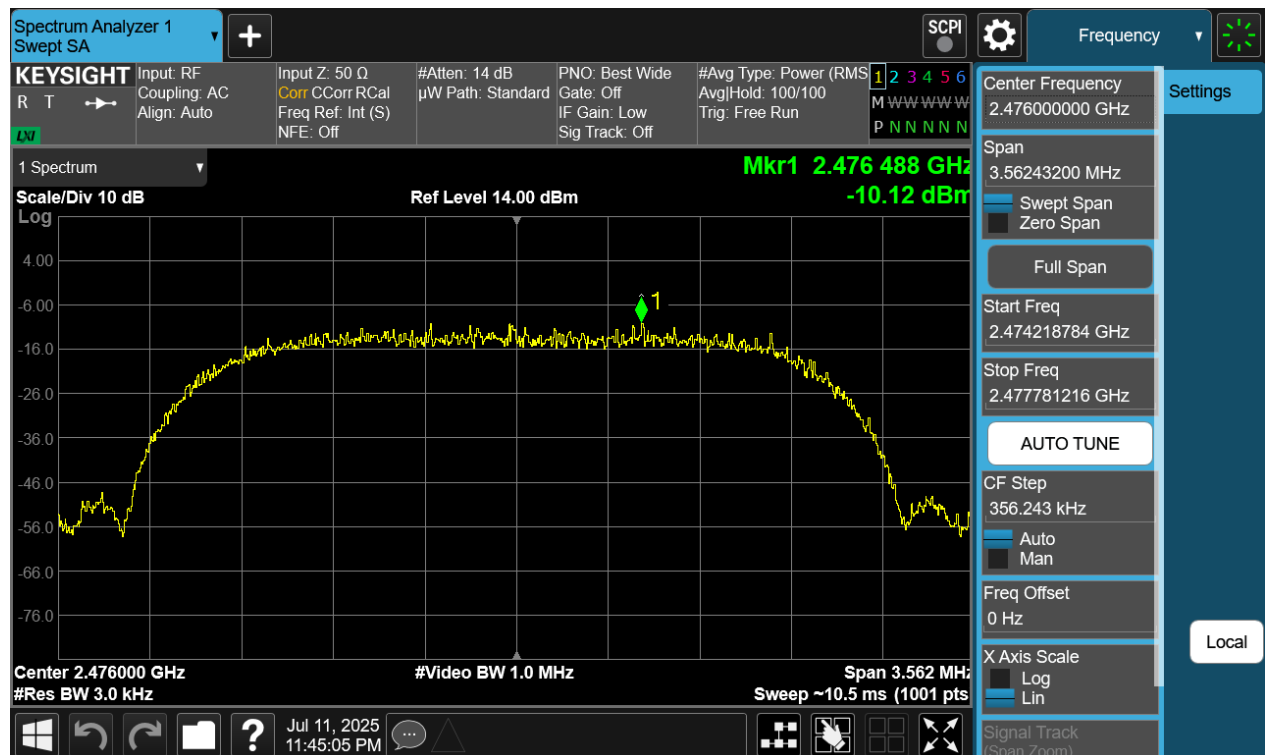


Plot 7-266. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPS2), 8Mbps, iPA – Ch. 1)

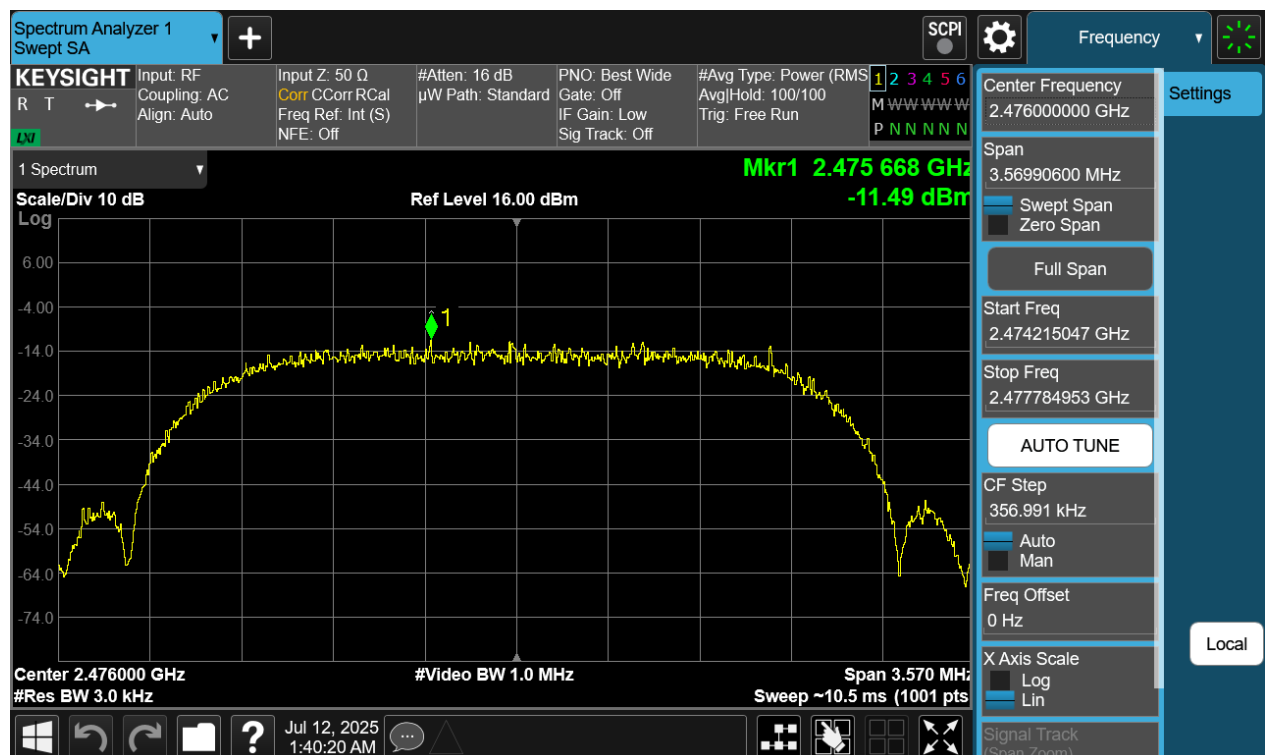
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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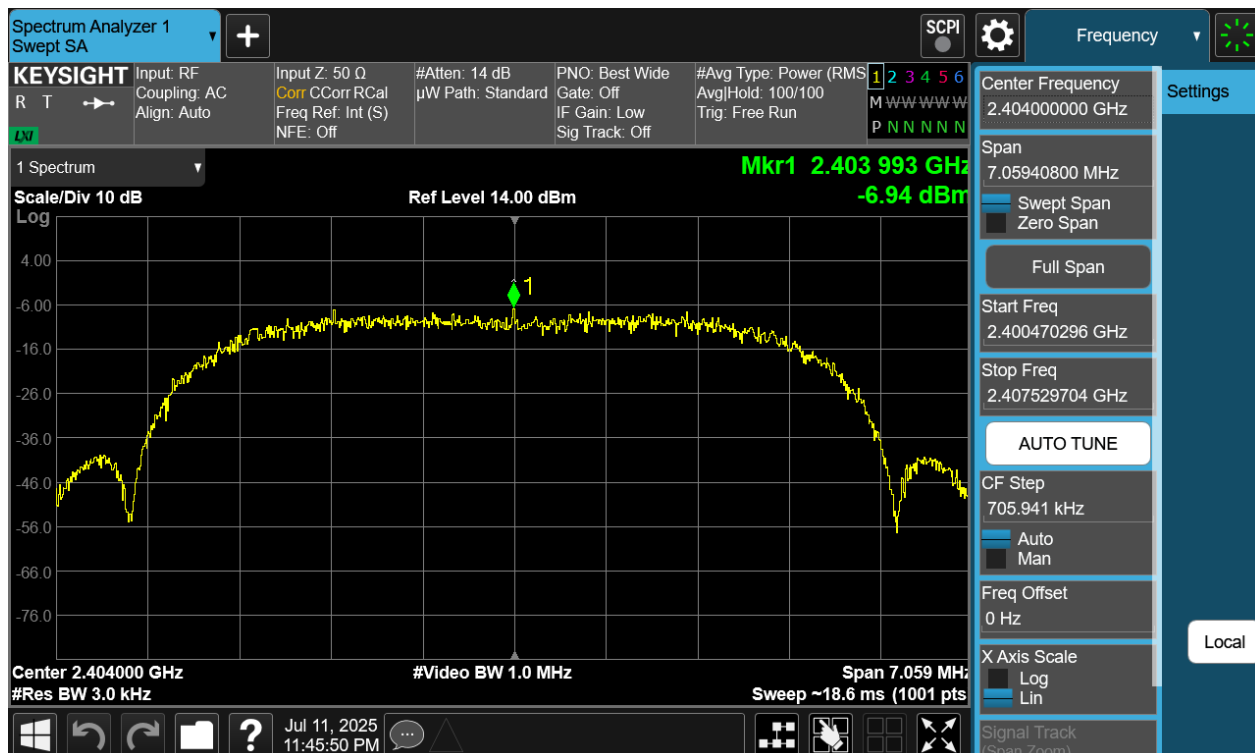


Plot 7-269. Power Spectral Density Plot TxBF Diversity Antenna WF8 (Bluetooth (HDRPS2), 8Mbps, iPA – Ch. 73)



Plot 7-270. Power Spectral Density Plot TxBF Diversity Antenna WF9 (Bluetooth (HDRPS2), 8Mbps, iPA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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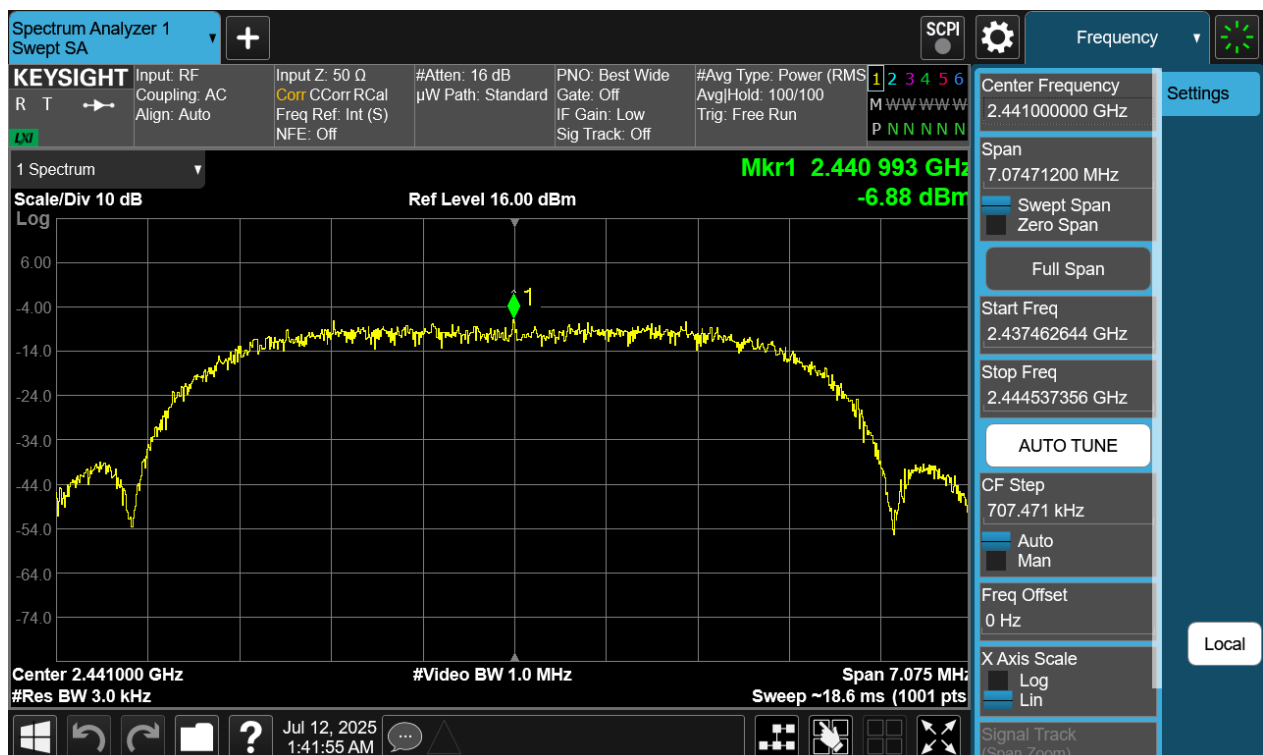
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-273. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)



Plot 7-274. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-275. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

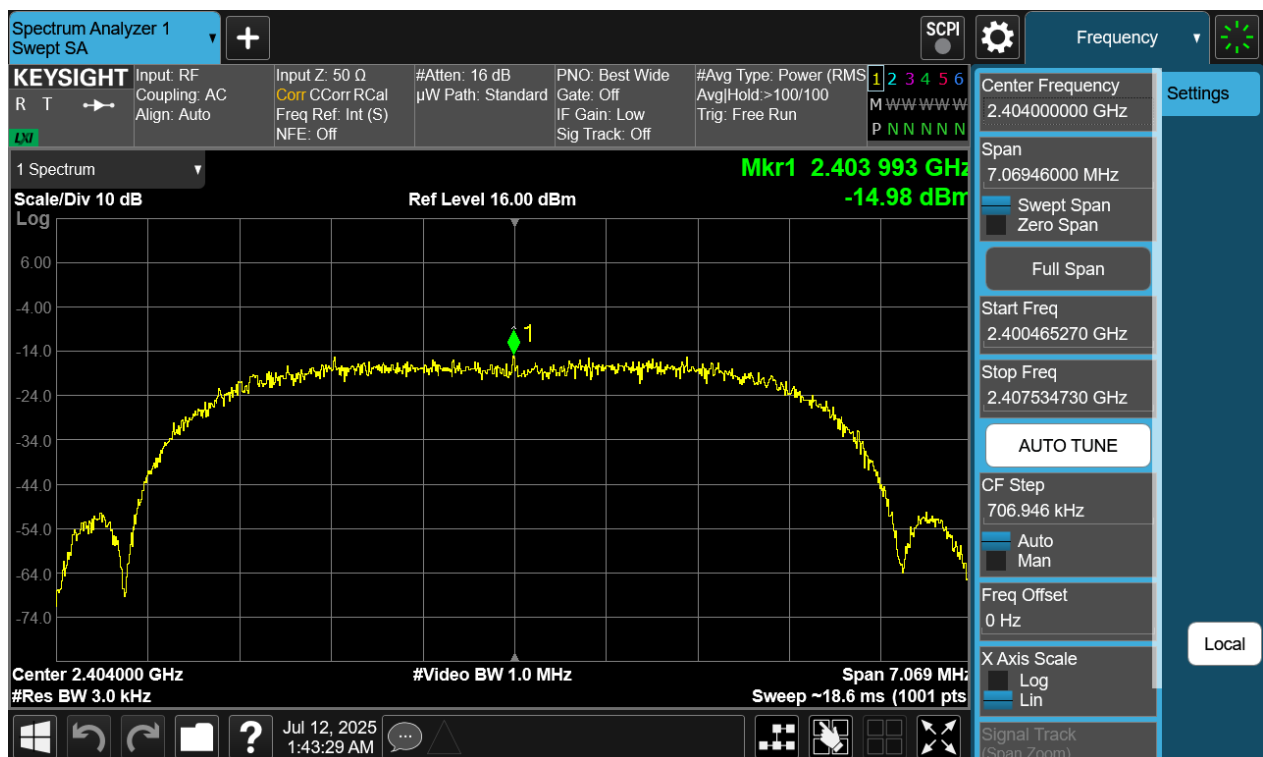


Plot 7-276. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-277. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

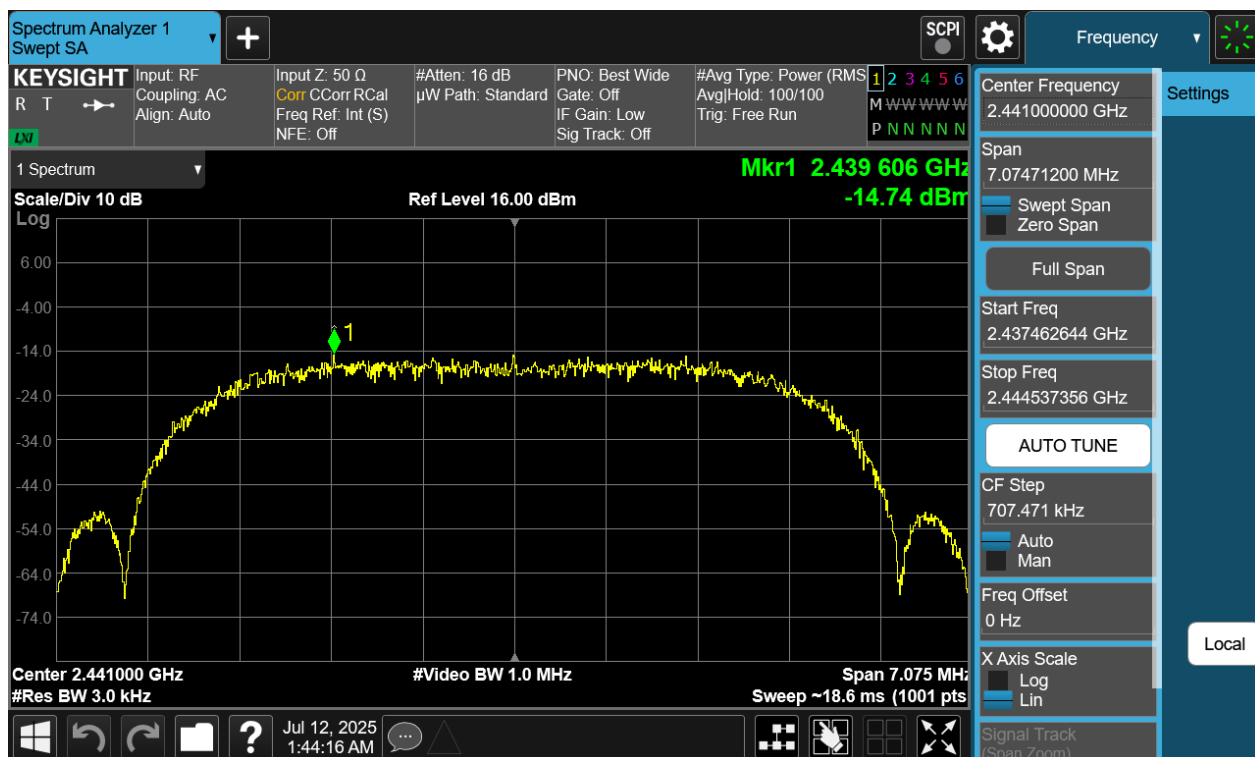
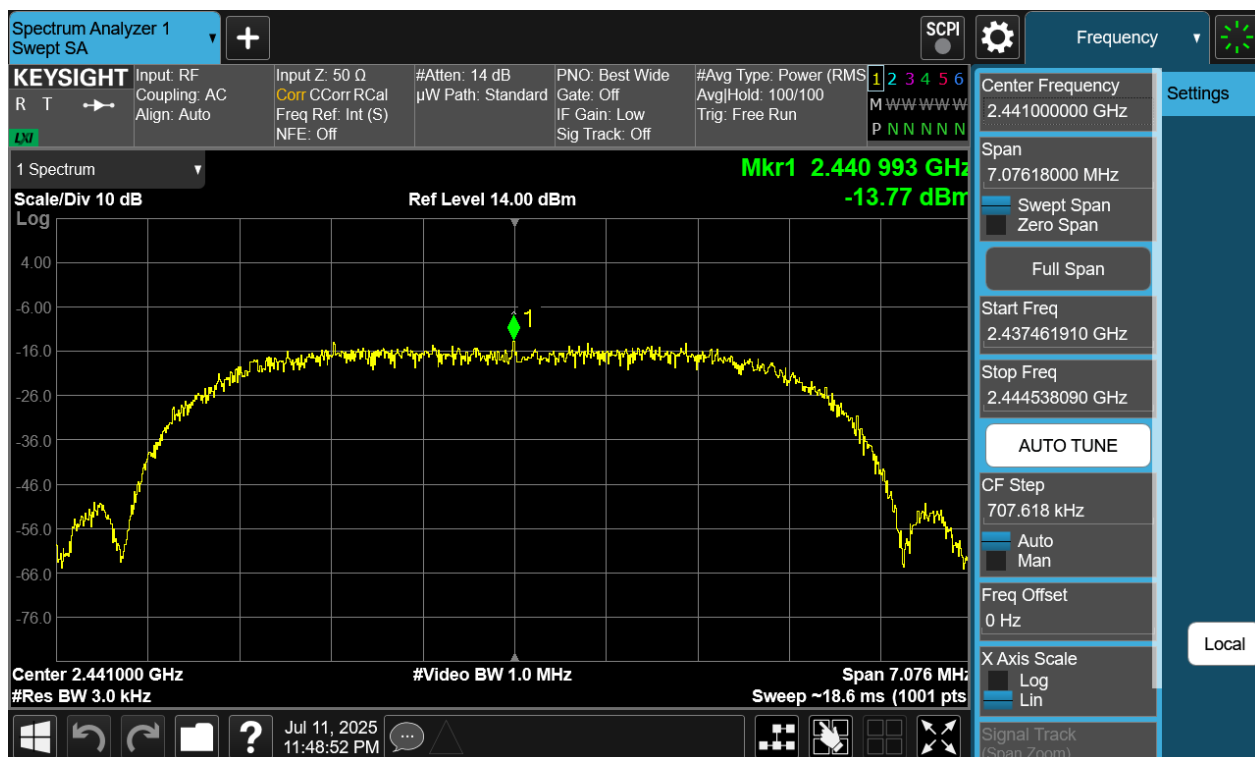


Plot 7-278. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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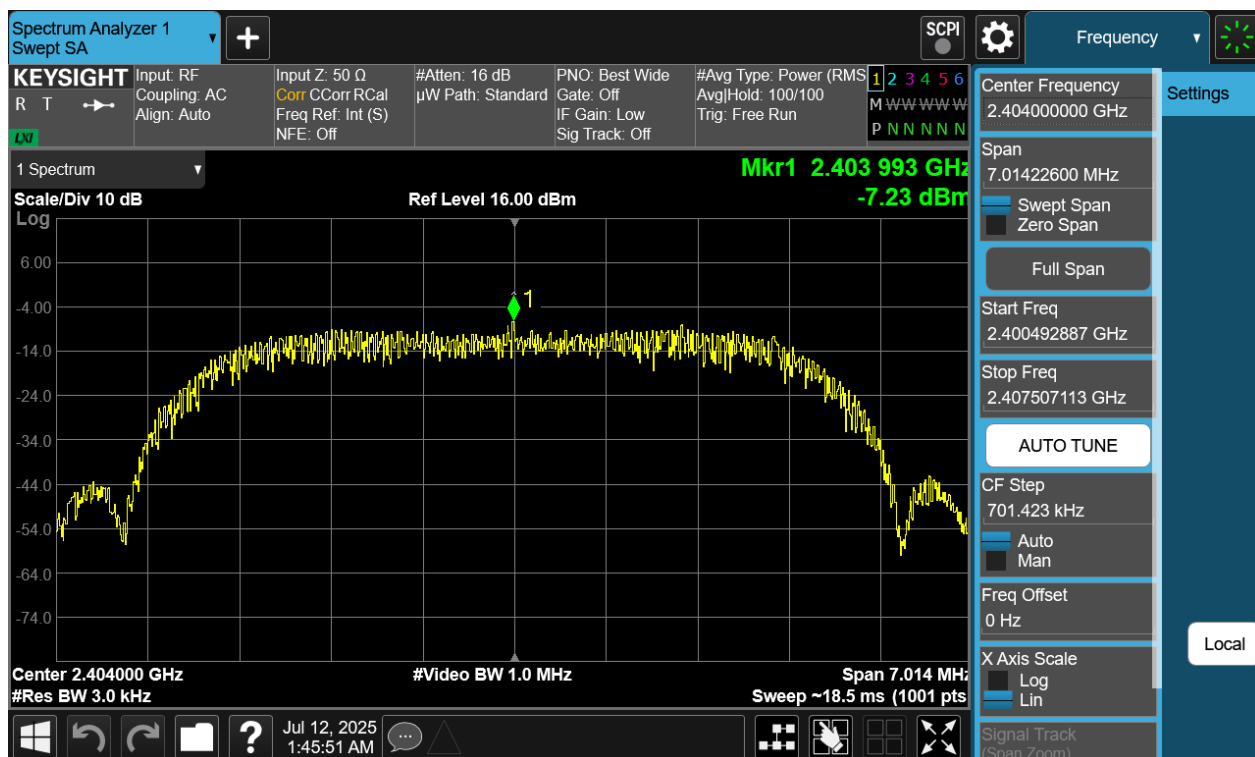
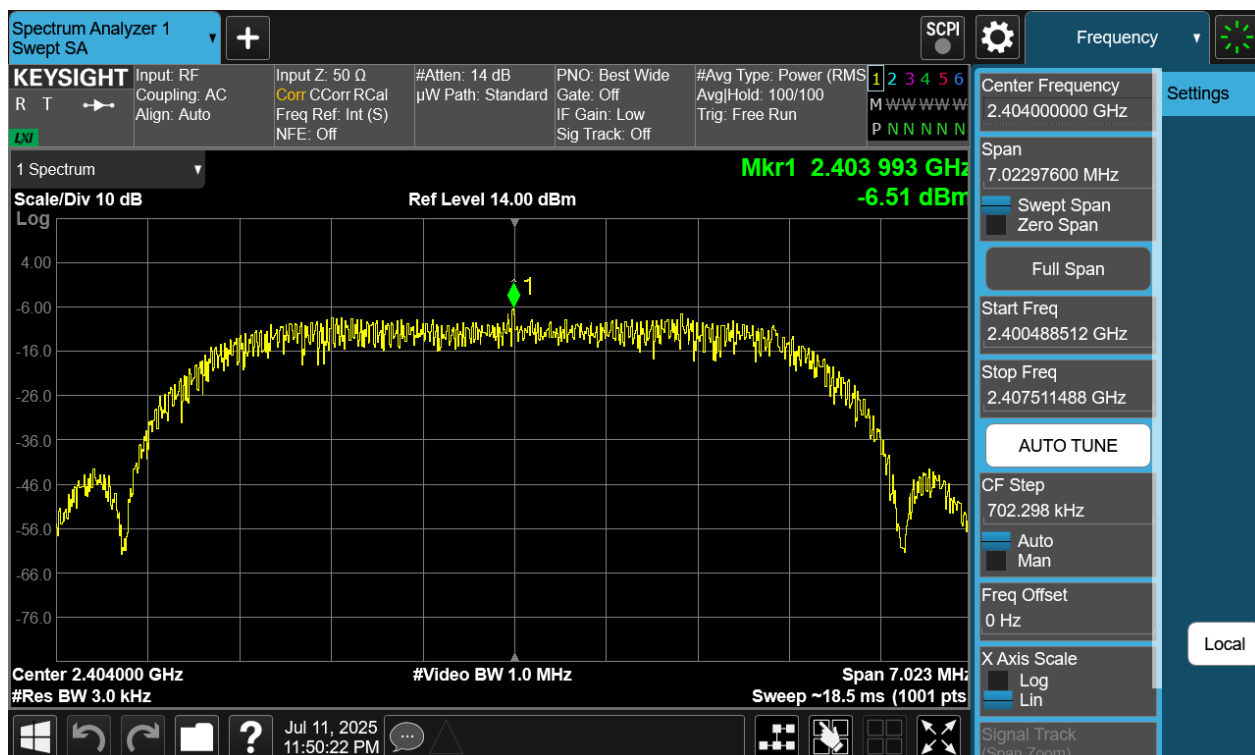
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Plot 7-285. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

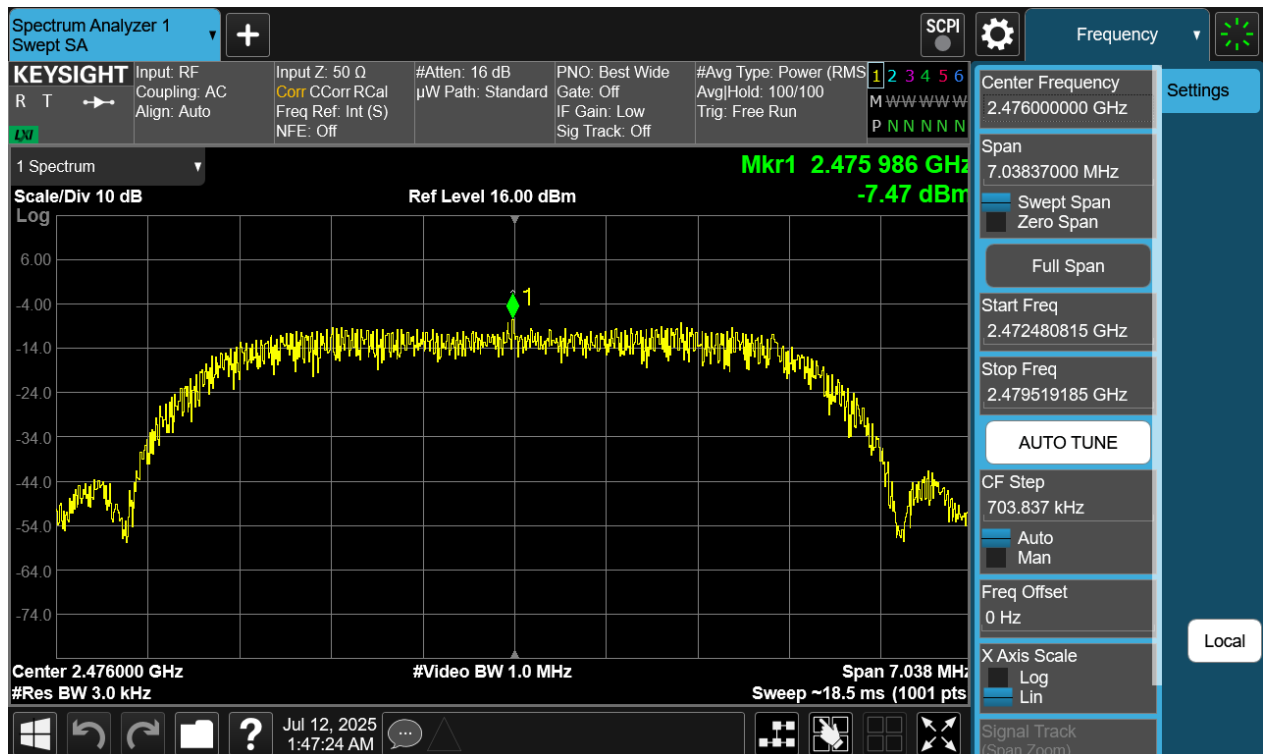


Plot 7-286. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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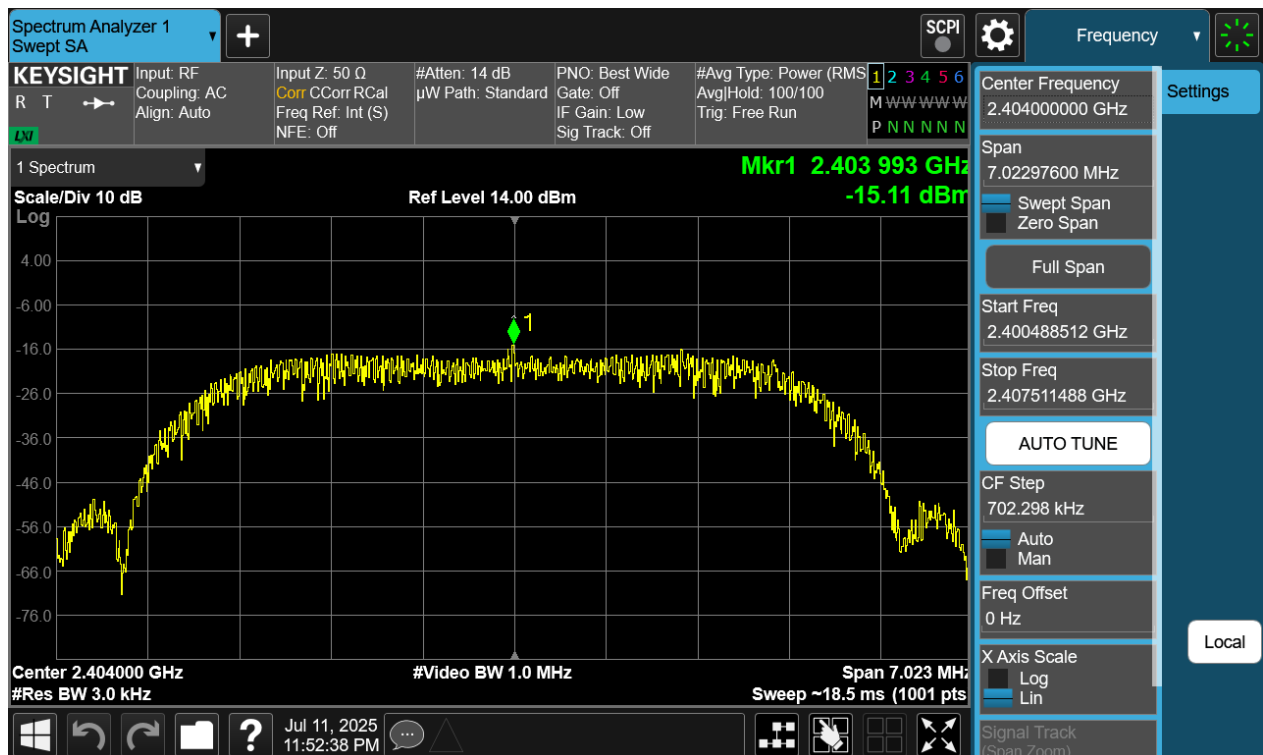


Plot 7-287. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

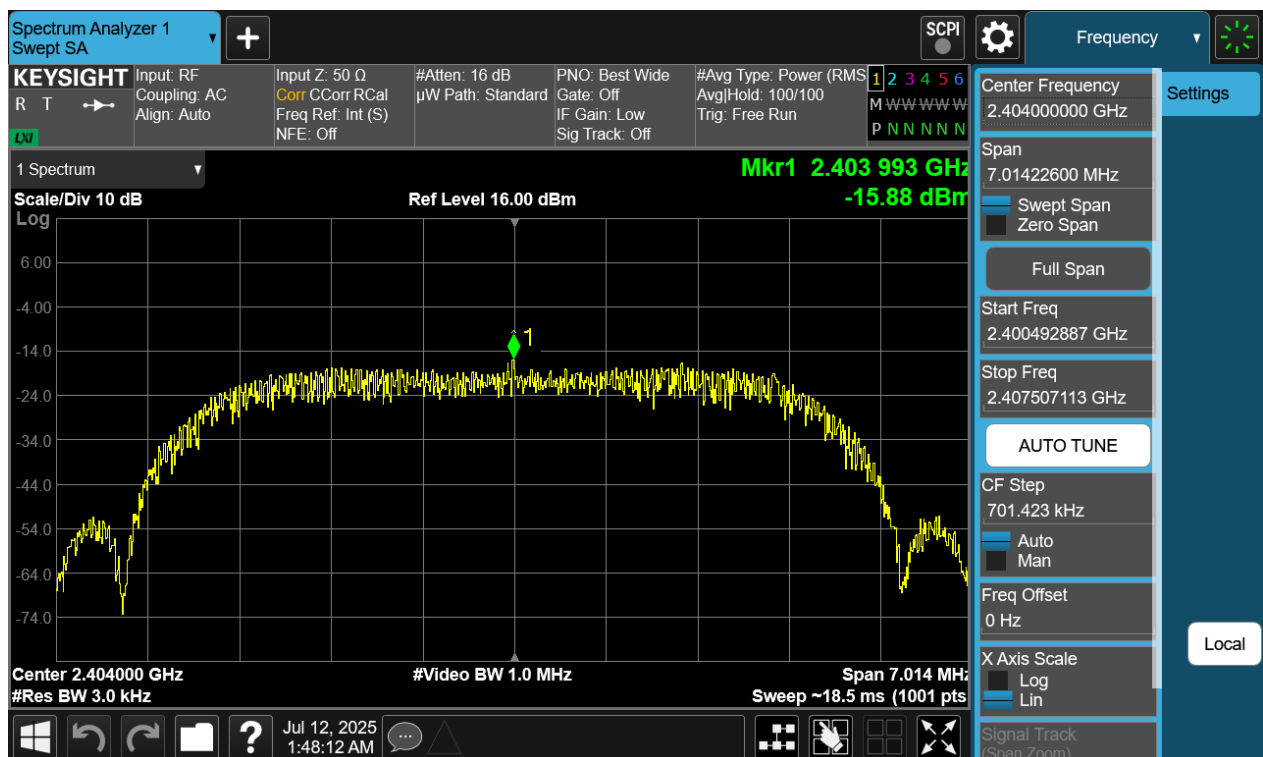


Plot 7-288. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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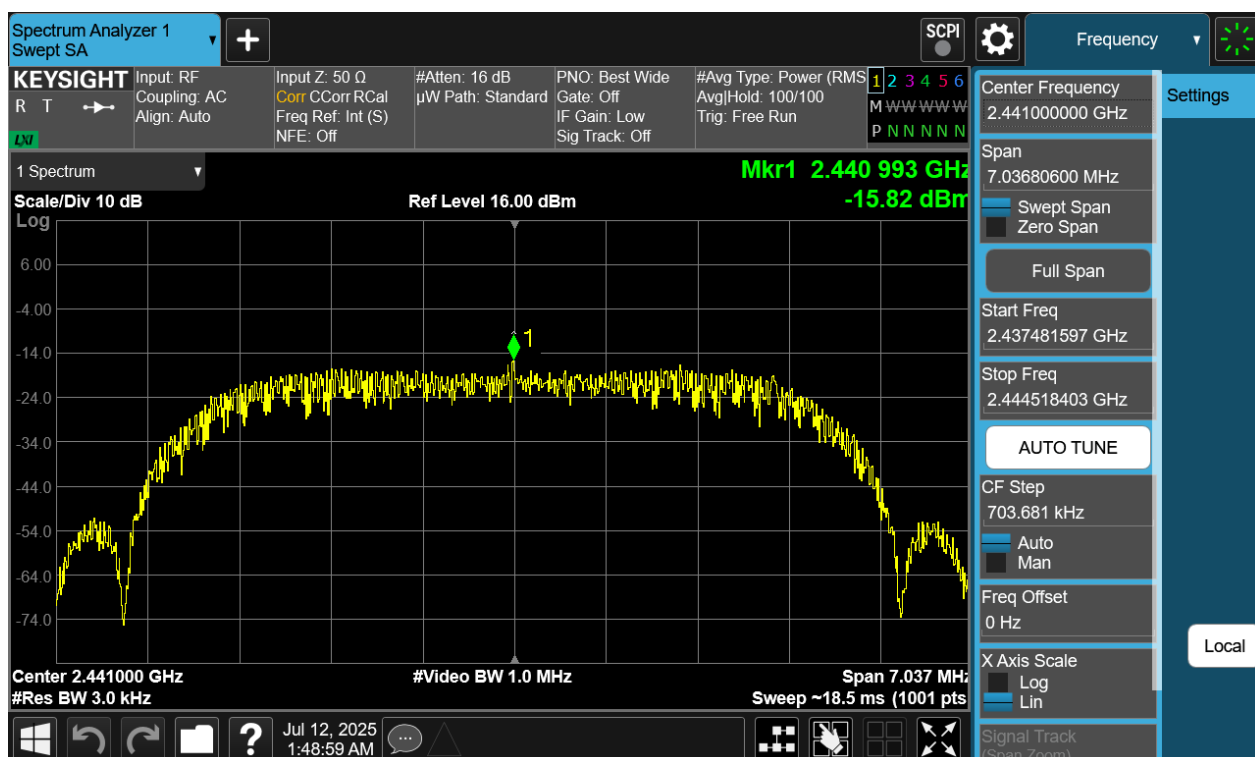
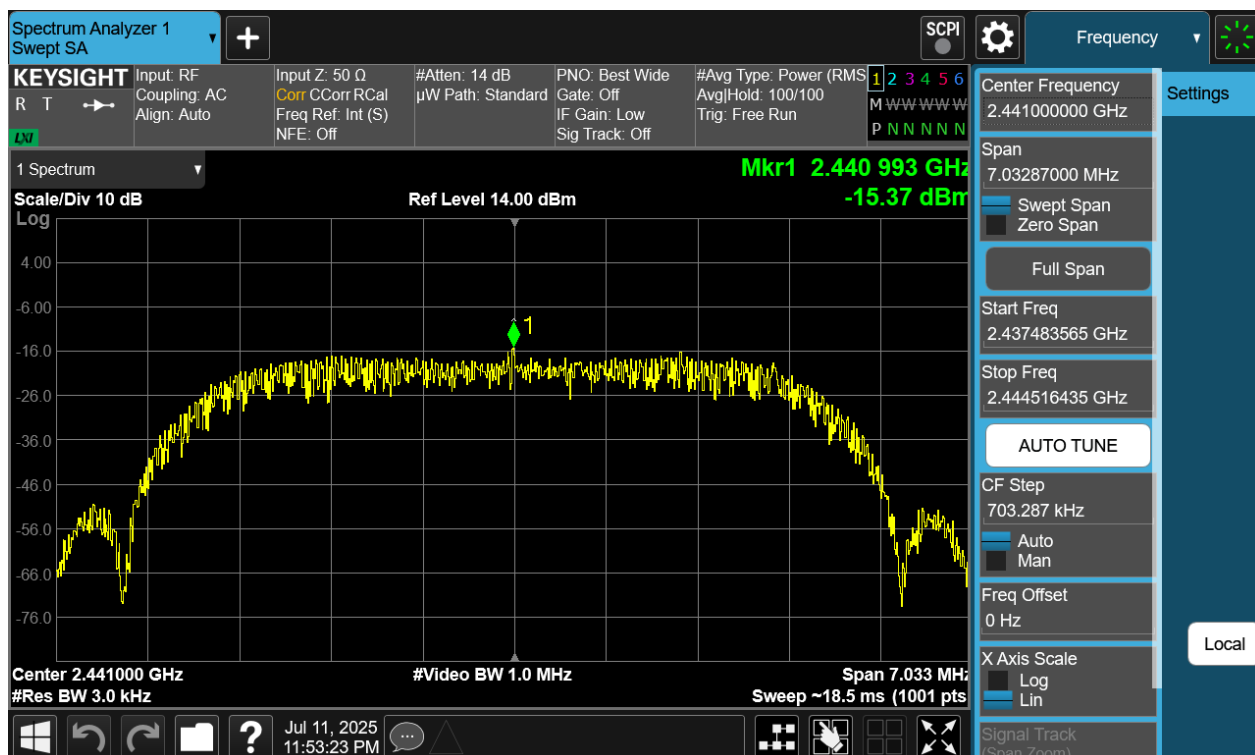


Plot 7-289. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 1)



Plot 7-290. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 1)

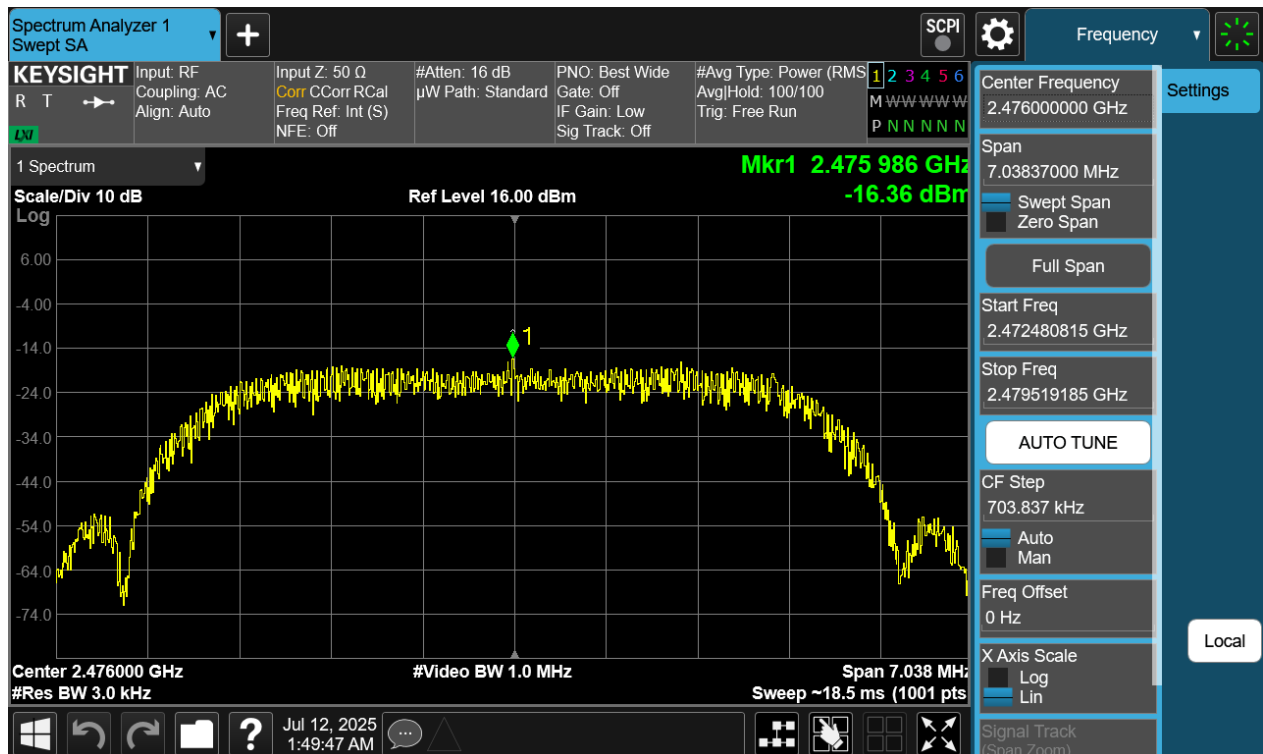
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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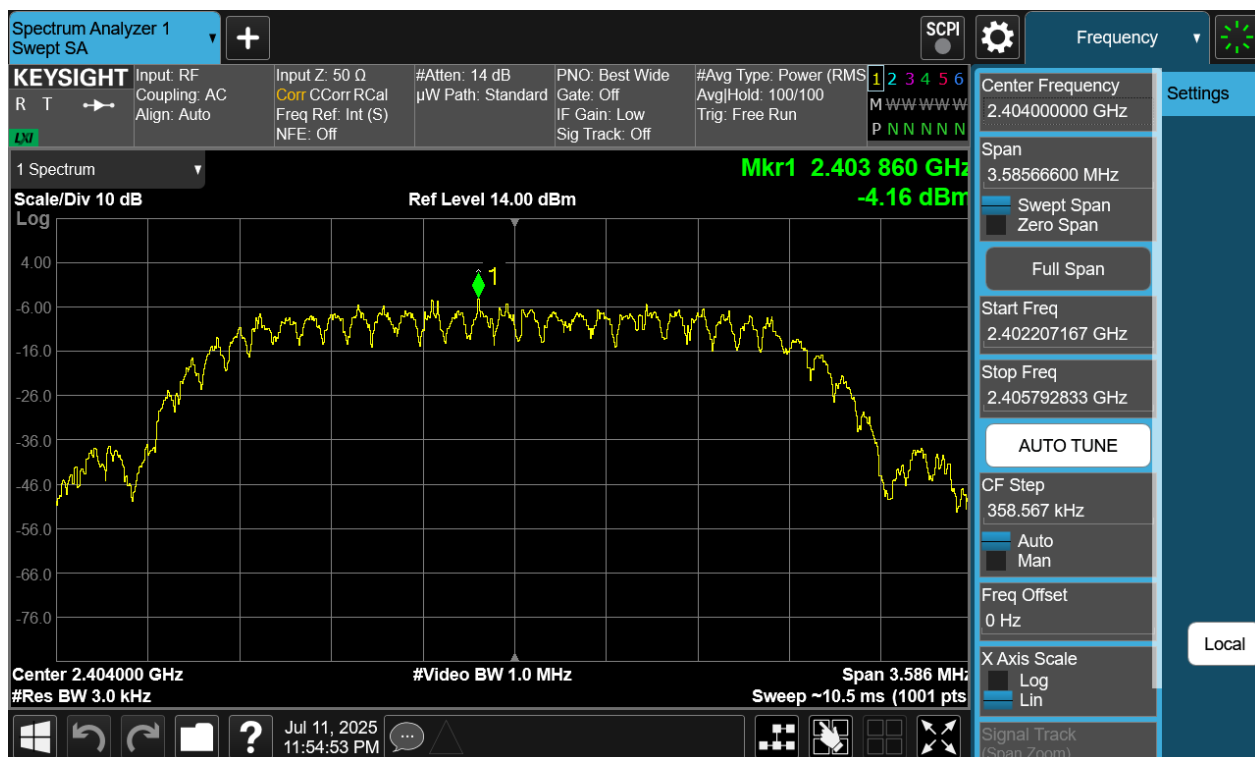


Plot 7-293. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 73)

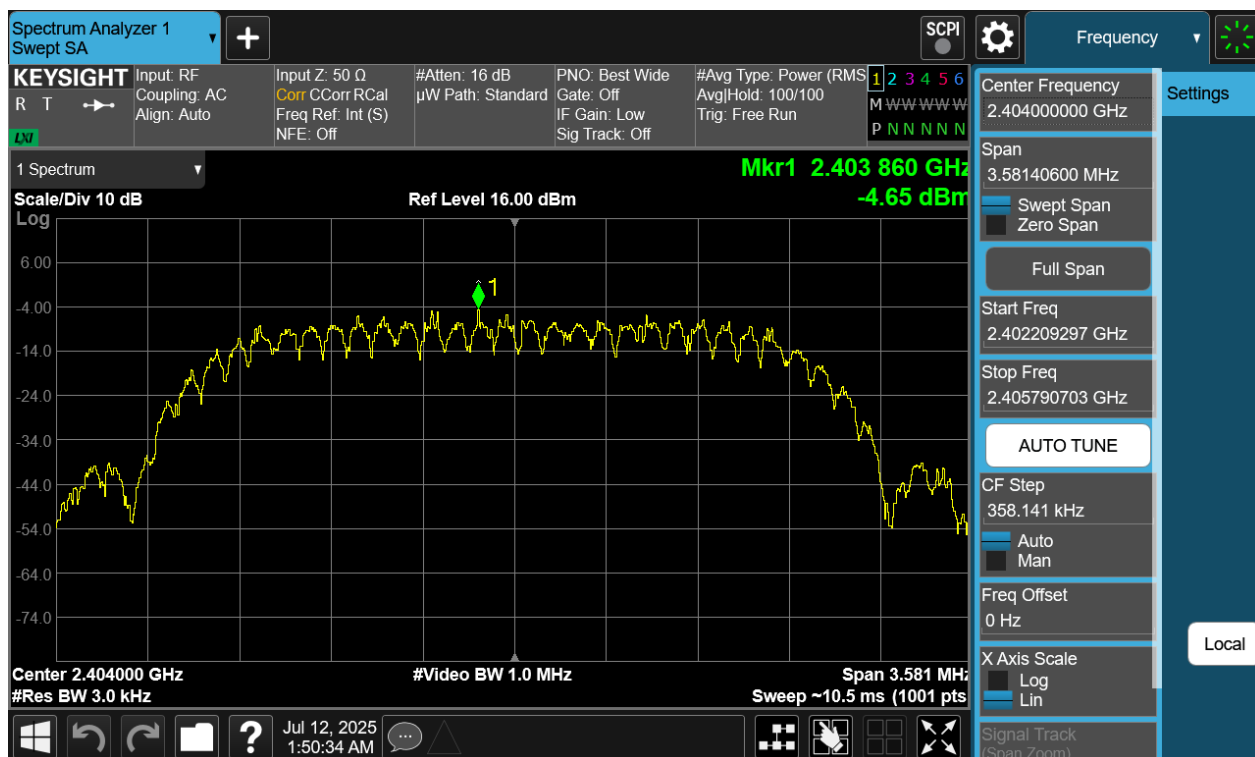


Plot 7-294. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 73)

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-295. Power Spectral Density Plot TxBF Diversity Antenna WF8 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

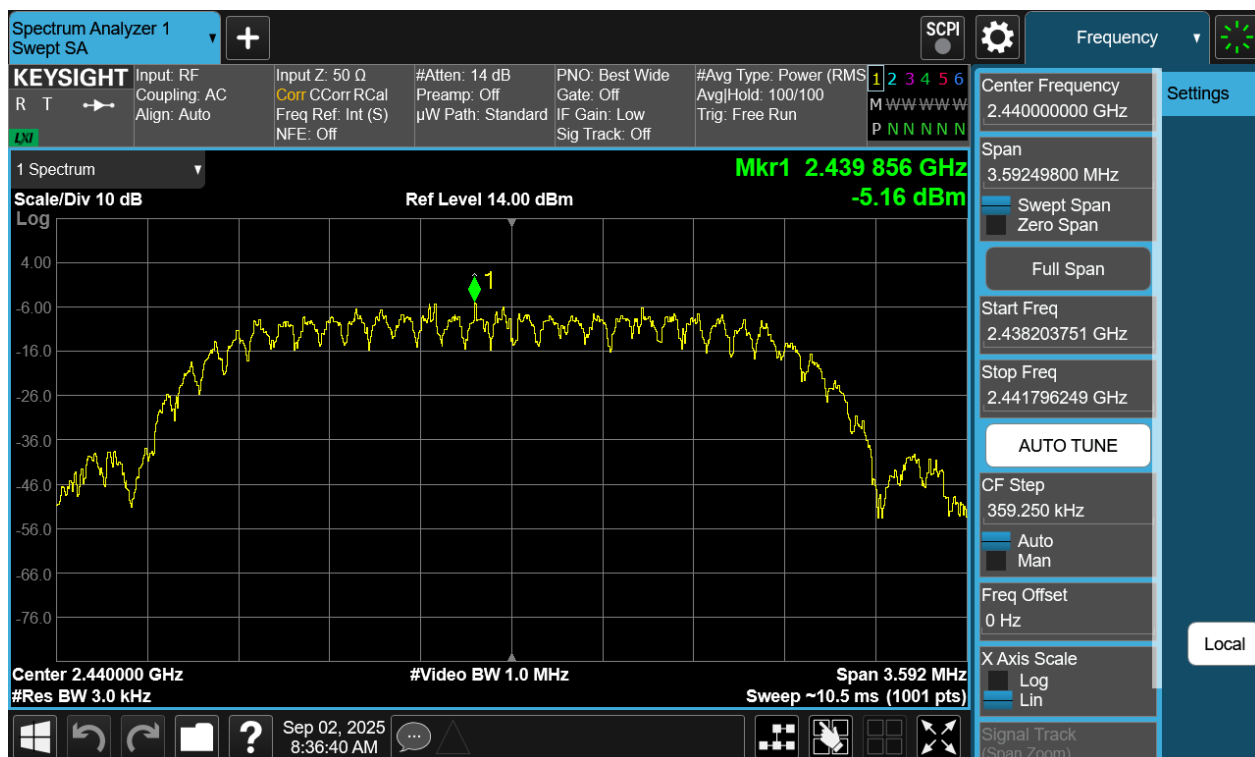


Plot 7-296. Power Spectral Density Plot TxBF Diversity Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

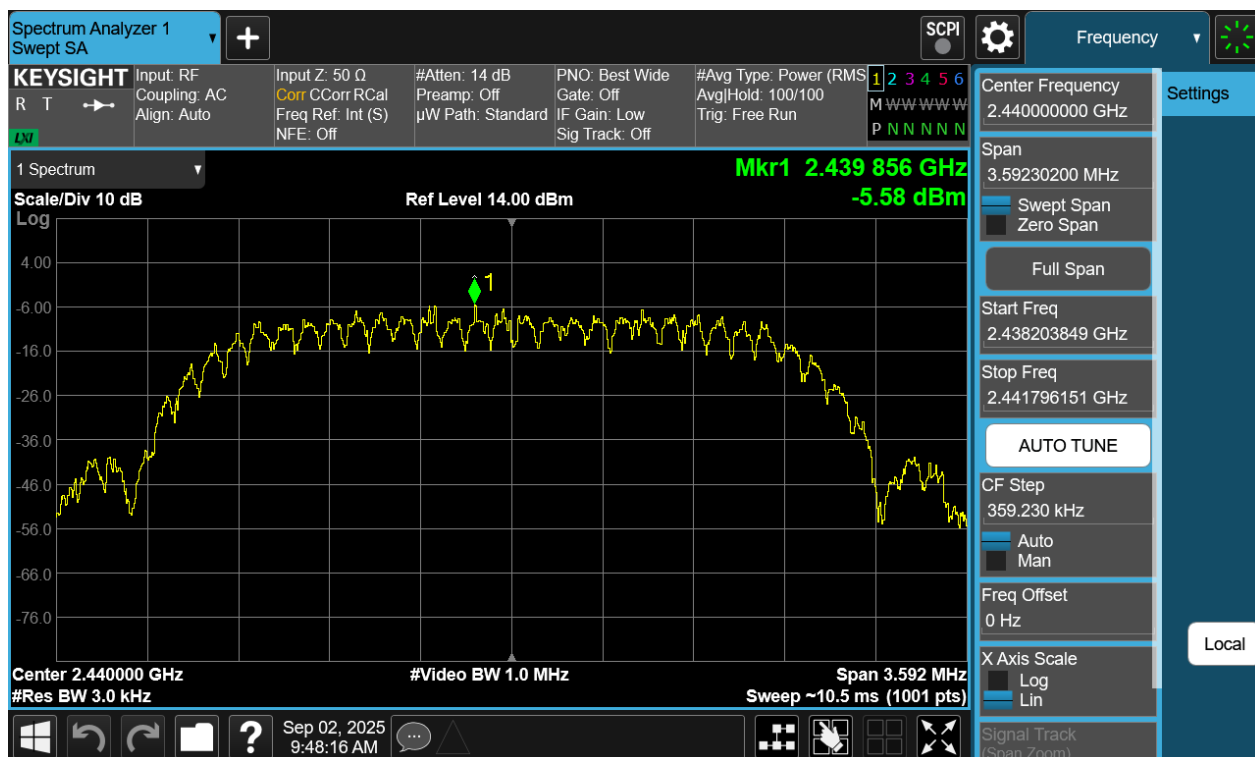
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-297. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

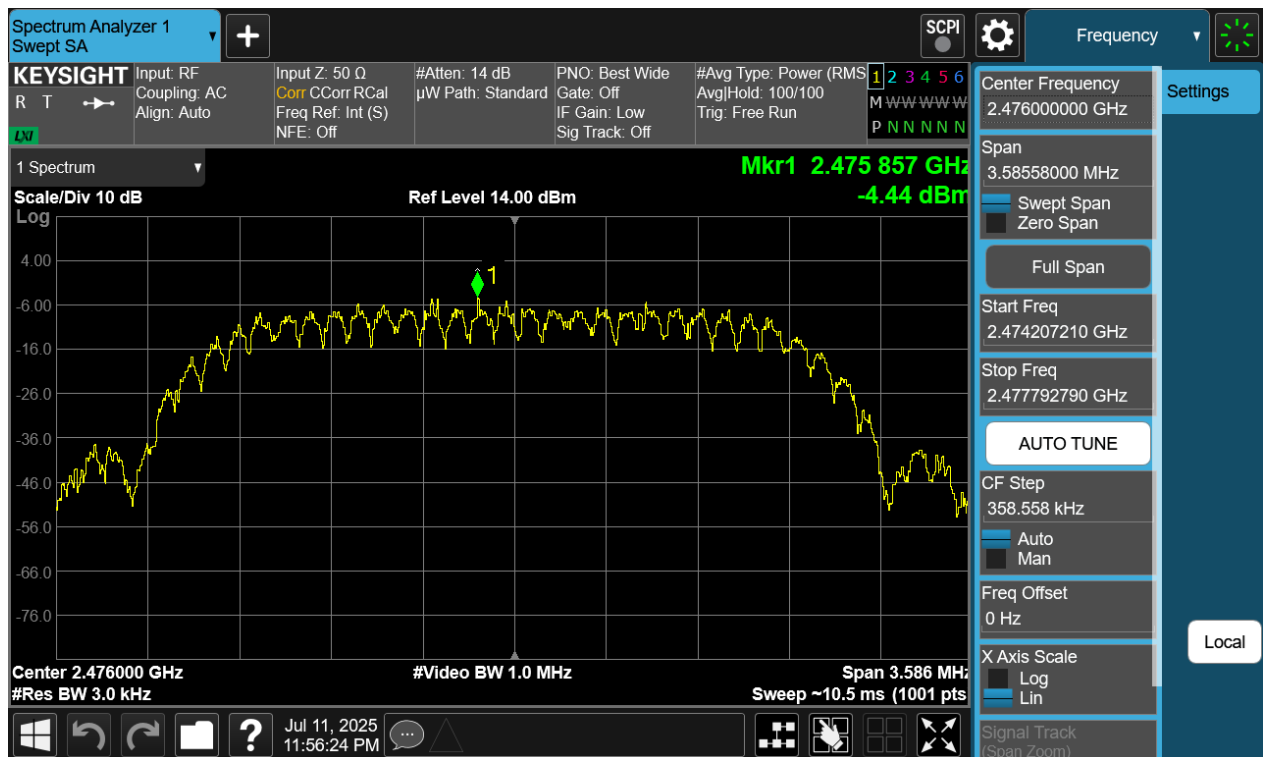


Plot 7-298. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

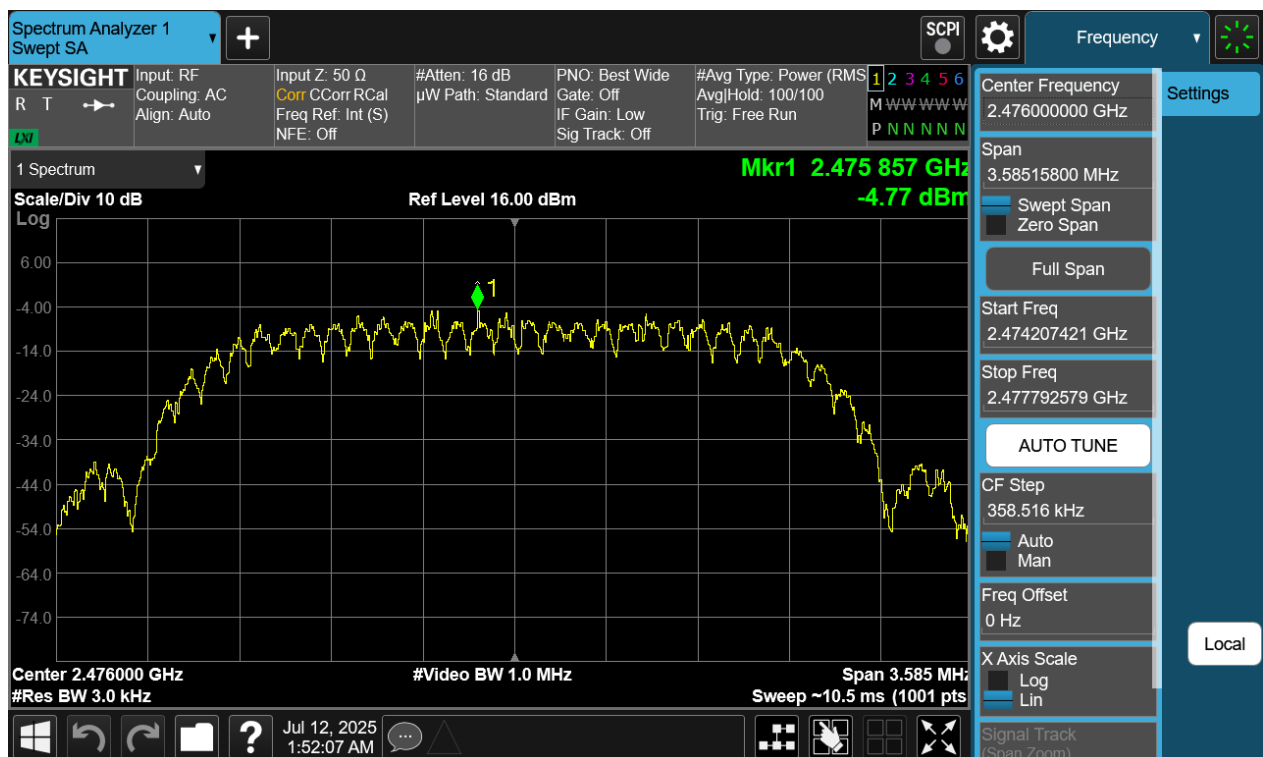
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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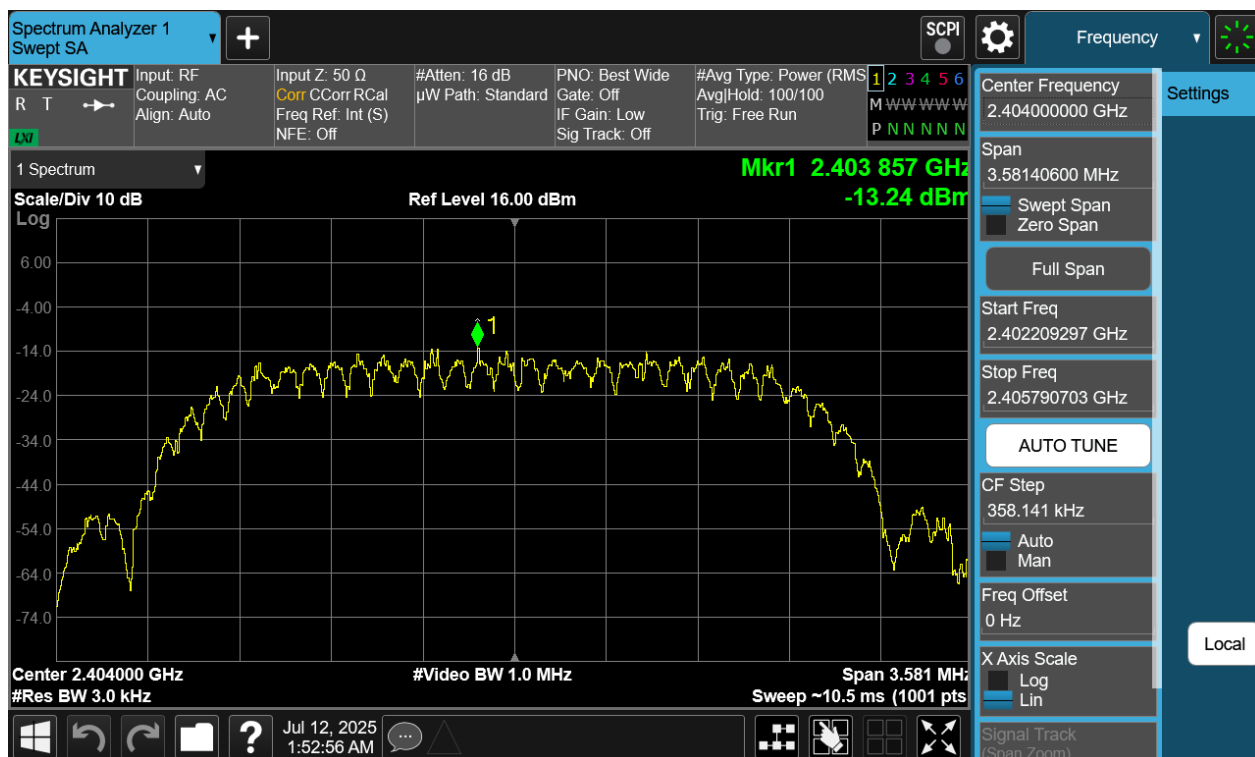


Plot 7-299. Power Spectral Density Plot Tx BF Diversity Antenna WF8 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

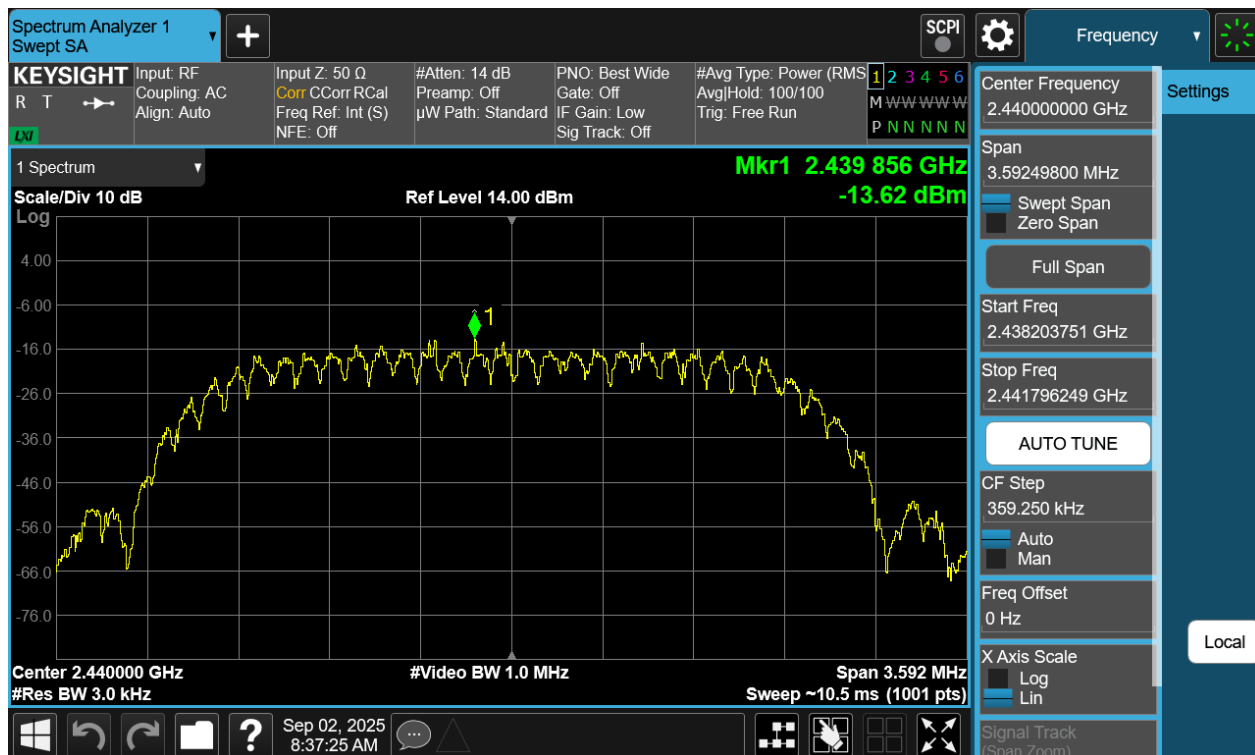


Plot 7-300. Power Spectral Density Plot Tx BF Diversity Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

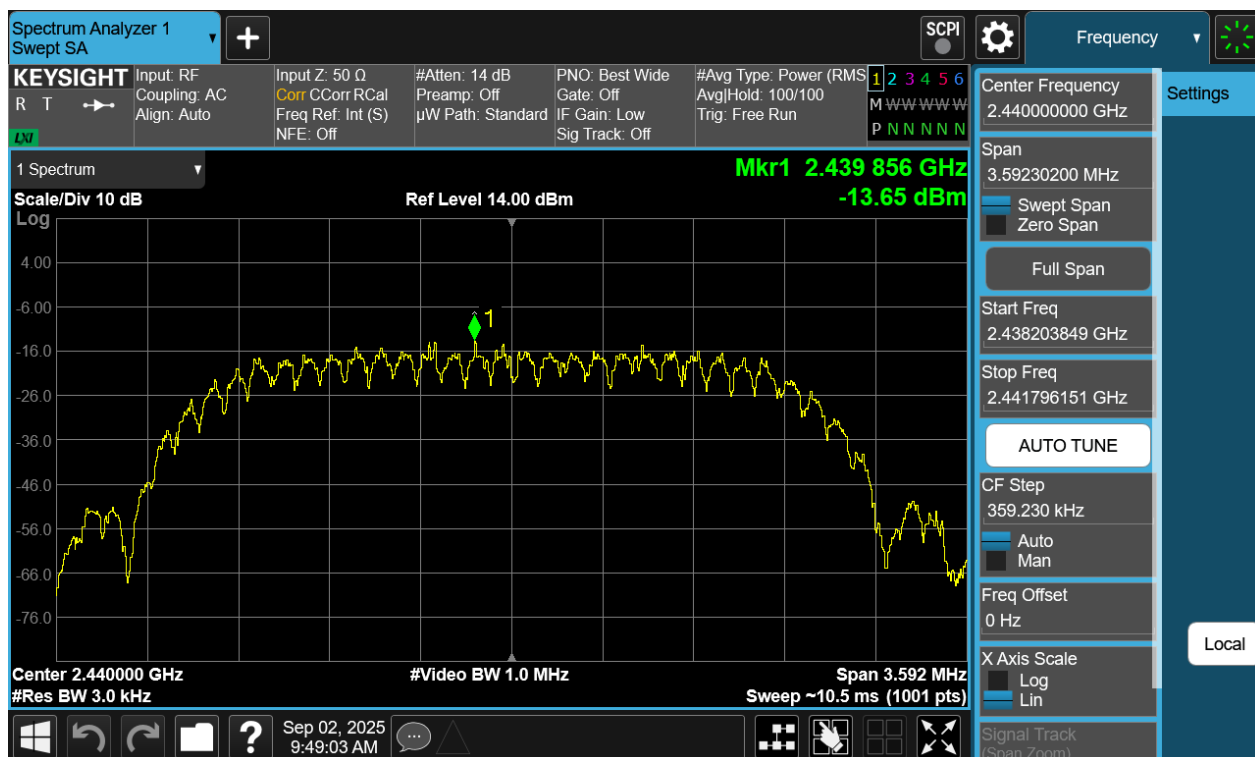
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-303. Power Spectral Density Plot Tx B Diversity Antenna WF8 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 37)



Plot 7-304. Power Spectral Density Plot Tx B Diversity Antenna WF9 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 37)

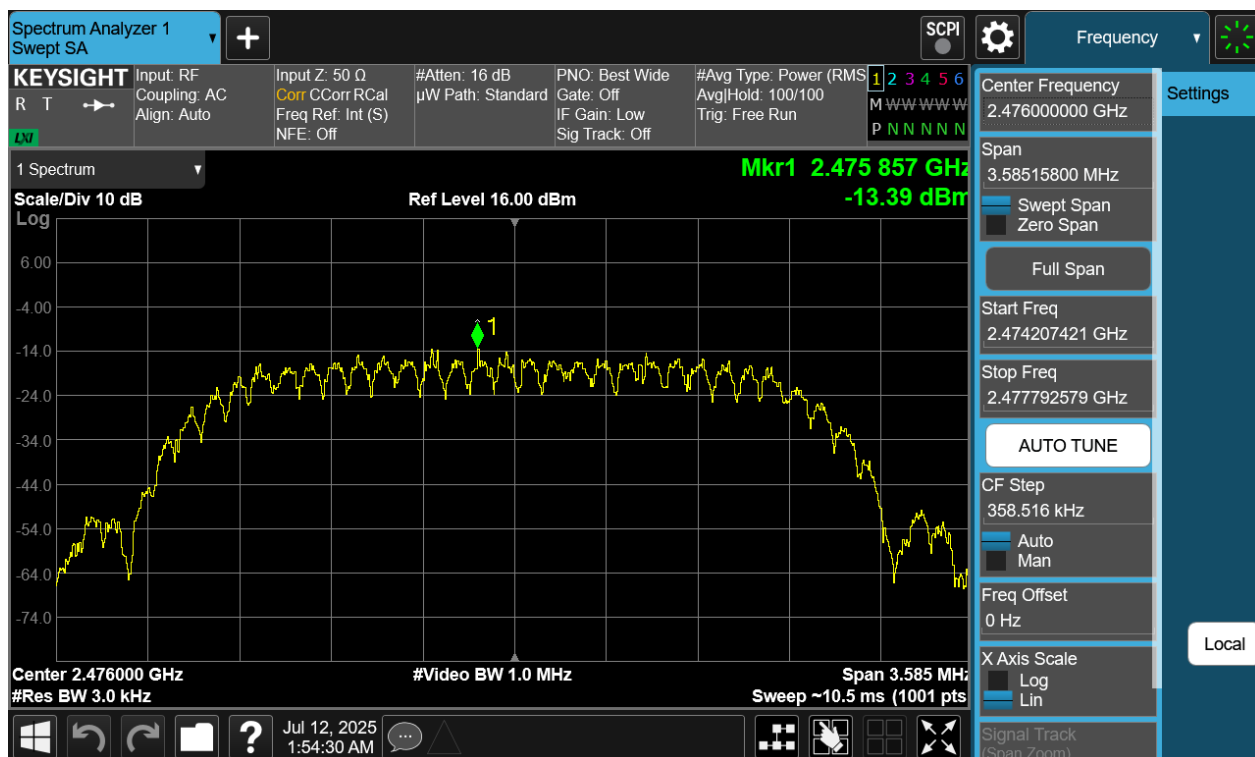
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-07-R2.BCG	Test Dates: 05/12/2025 - 09/02/2025	EUT Type: Tablet Device	Page 186 of 305

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Plot 7-305. Power Spectral Density Plot Tx B Diversity Antenna WF8 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 73)



Plot 7-306. Power Spectral Density Plot Tx B Diversity Antenna WF9 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 73)

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Note:

Per ANSI C63.10-2020 Subclause 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the n th antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log [(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2020 Subclause 14.5.2.2 and KDB 662911 D01 v02r01 Section E)2), the power spectral density at Antenna WF8 and Antenna WF9 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample TxBF Calculation:

At 2404MHz the average conducted power spectral density was measured to be -0.65 dBm for Antenna WF8 and -1.22 dBm for Antenna WF7.

$$\text{Antenna WF8} + \text{Antenna WF7} = \text{TxBF}$$

$$(-0.65 \text{ dBm} + -1.22 \text{ dBm}) = (0.861 \text{ mW} + 0.755 \text{ mW}) = 1.614 \text{ mW} = 2.08 \text{ dBm}$$

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