Plot 7-121. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

Plot 7-122. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

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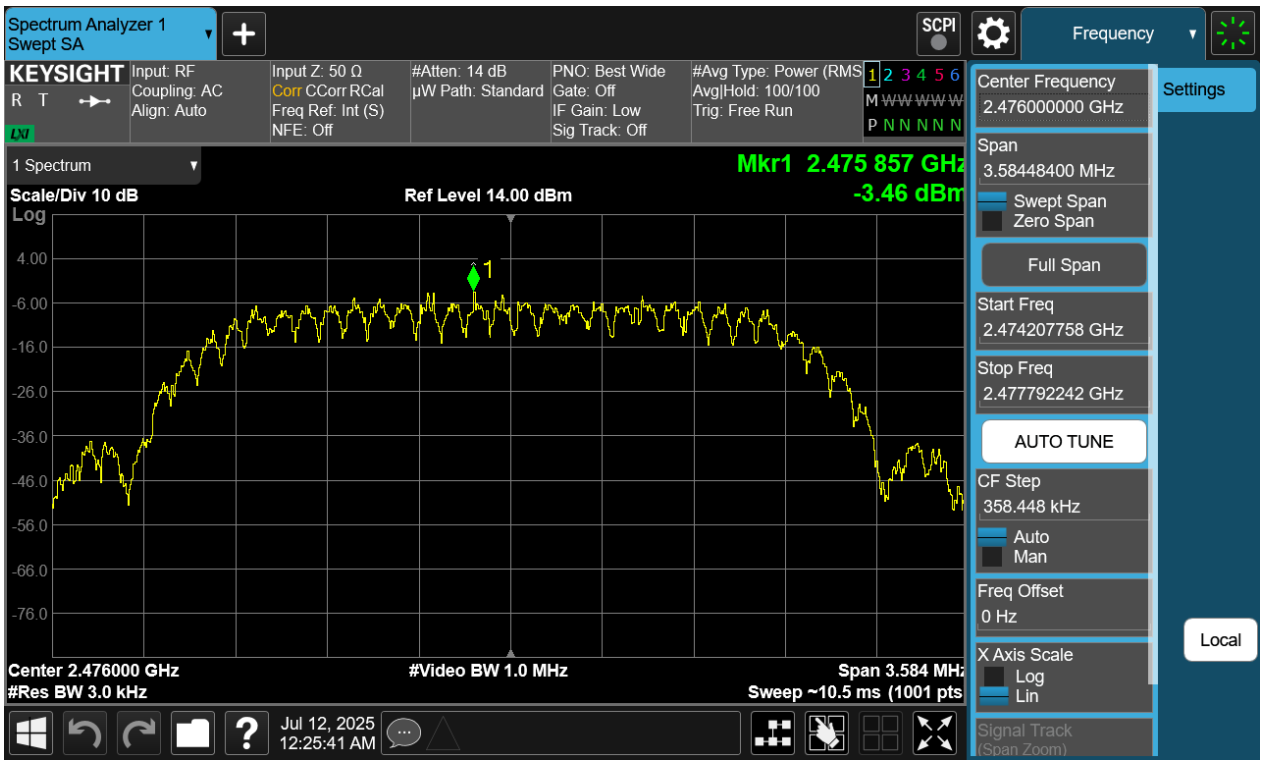

Plot 7-123. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

Plot 7-124. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 1)

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Plot 7-125. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 37)

Plot 7-126. Power Spectral Density Plot Antenna WF7 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 73)

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7.4.3 Antenna WF9

Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-1.75	8.0	-9.75
2441	HDR4	ePA	38	-1.66	8.0	-9.66
2476	HDR4	ePA	73	-1.59	8.0	-9.59
2404	HDR4	iPA	1	-9.61	8.0	-17.61
2441	HDR4	iPA	38	-9.28	8.0	-17.28
2476	HDR4	iPA	73	-9.28	8.0	-17.28
2404	HDR8	ePA	1	-3.85	8.0	-11.85
2441	HDR8	ePA	38	-3.80	8.0	-11.80
2476	HDR8	ePA	73	-3.70	8.0	-11.70
2404	HDR8	iPA	1	-11.25	8.0	-19.25
2441	HDR8	iPA	38	-10.92	8.0	-18.92
2476	HDR8	iPA	73	-10.89	8.0	-18.89
2404	HDRPS2	ePA	1	-0.04	8.0	-8.04
2441	HDRPS2	ePA	38	-0.04	8.0	-8.04
2476	HDRPS2	ePA	73	-0.95	8.0	-8.95
2404	HDRPS2	iPA	1	-10.82	8.0	-18.82
2441	HDRPS2	iPA	38	-11.47	8.0	-19.47
2476	HDRPS2	iPA	73	-11.39	8.0	-19.39
2404	XHDRPM6	ePA	1	-5.79	8.0	-13.79
2441	XHDRPM6	ePA	38	-6.93	8.0	-14.93
2476	XHDRPM6	ePA	73	-5.76	8.0	-13.76
2404	XHDRPM6	iPA	1	-14.47	8.0	-22.47
2441	XHDRPM6	iPA	38	-15.67	8.0	-23.67
2476	XHDRPM6	iPA	73	-15.54	8.0	-23.54
2404	HDRPM16	ePA	1	-6.15	8.0	-14.15
2441	HDRPM16	ePA	38	-5.98	8.0	-13.98
2476	HDRPM16	ePA	73	-6.24	8.0	-14.24
2404	HDRPM16	iPA	1	-15.82	8.0	-23.82
2441	HDRPM16	iPA	38	-16.37	8.0	-24.37
2476	HDRPM16	iPA	73	-16.32	8.0	-24.32
2404	HDT2	ePA	1	-3.09	8.0	-11.09
2440	HDT2	ePA	37	-4.05	8.0	-12.05
2476	HDT2	ePA	73	-3.55	8.0	-11.55
2404	HDT2	iPA	1	-12.68	8.0	-20.68
2440	HDT2	iPA	37	-14.04	8.0	-22.04
2476	HDT2	iPA	73	-13.26	8.0	-21.26

Table 7-17. Conducted Power Density Measurements Antenna WF9

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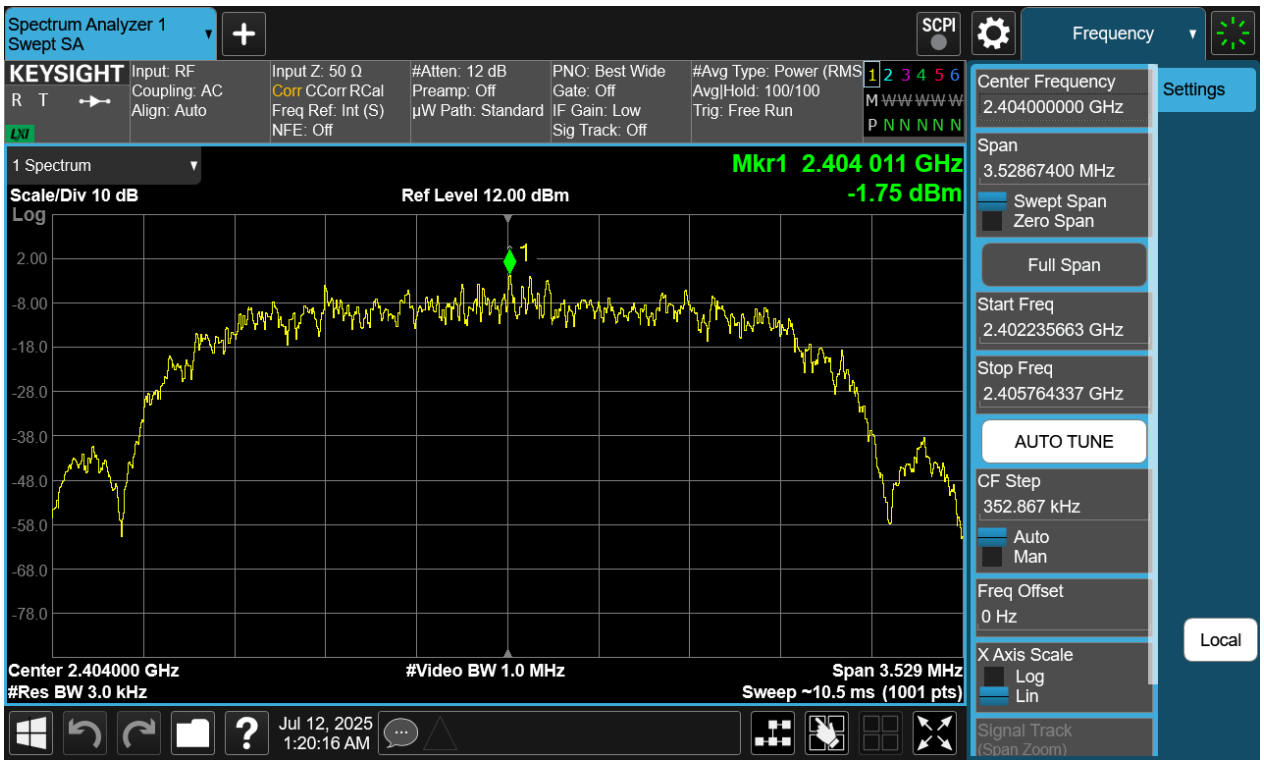
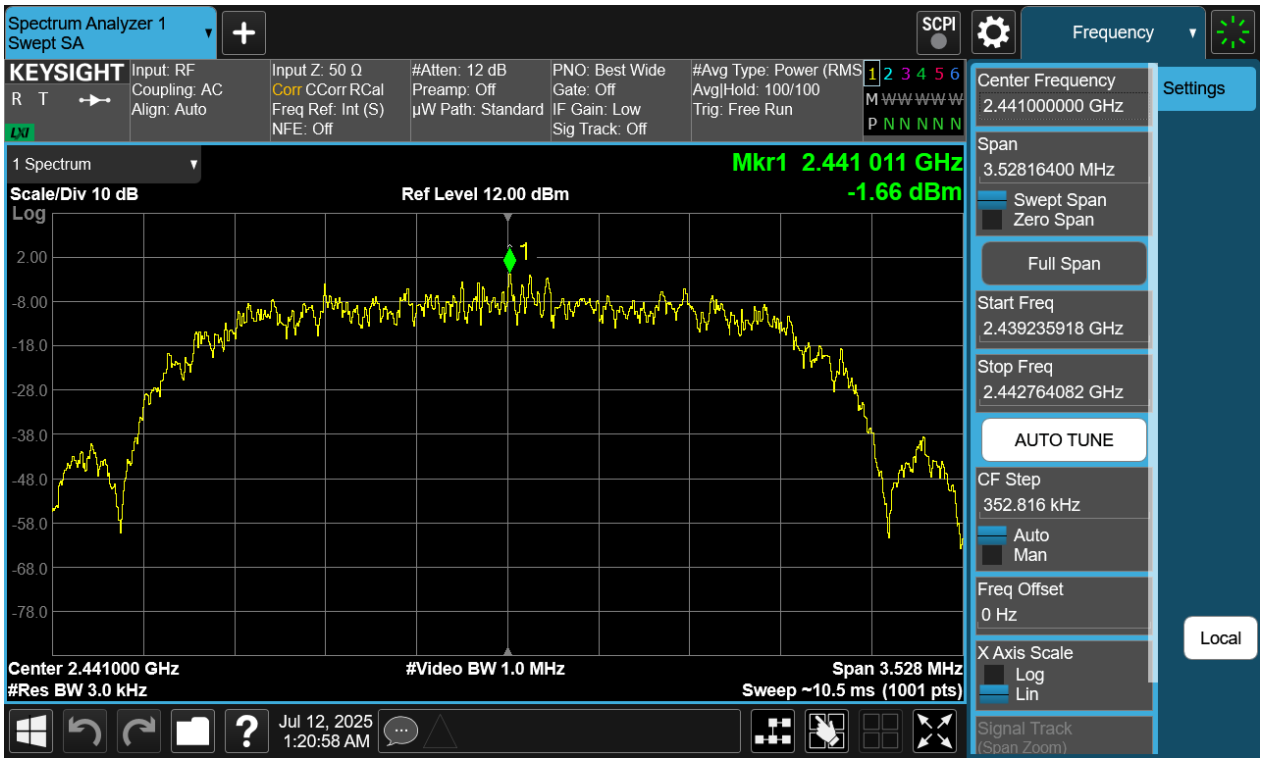


Plot 7-127. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)



Plot 7-128. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

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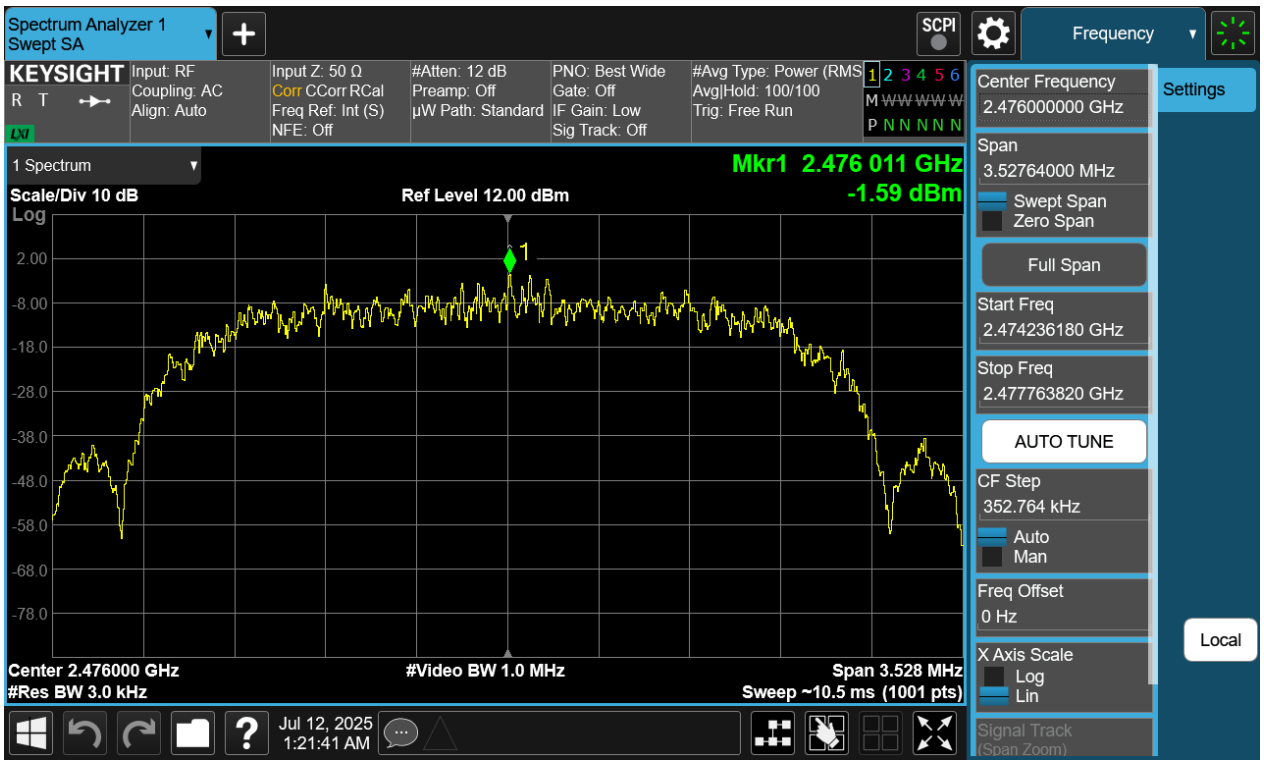
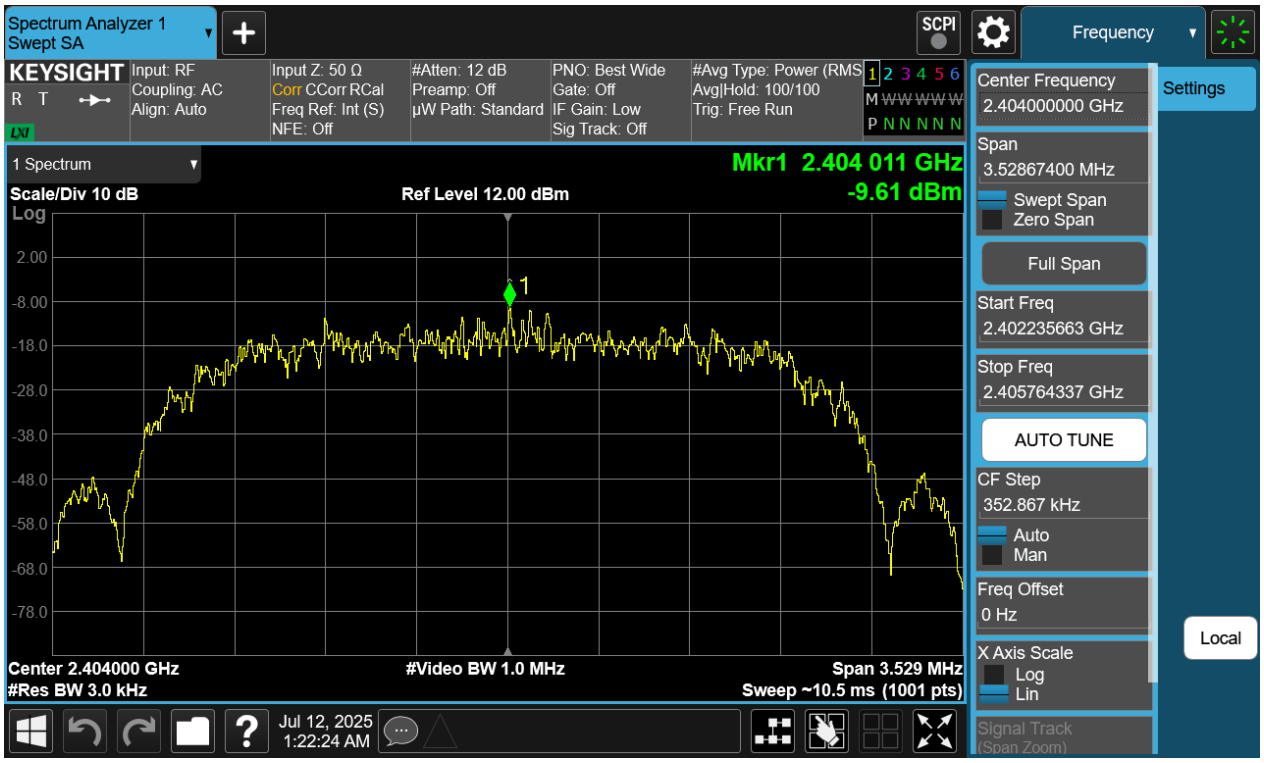


Plot 7-129. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)



Plot 7-130. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

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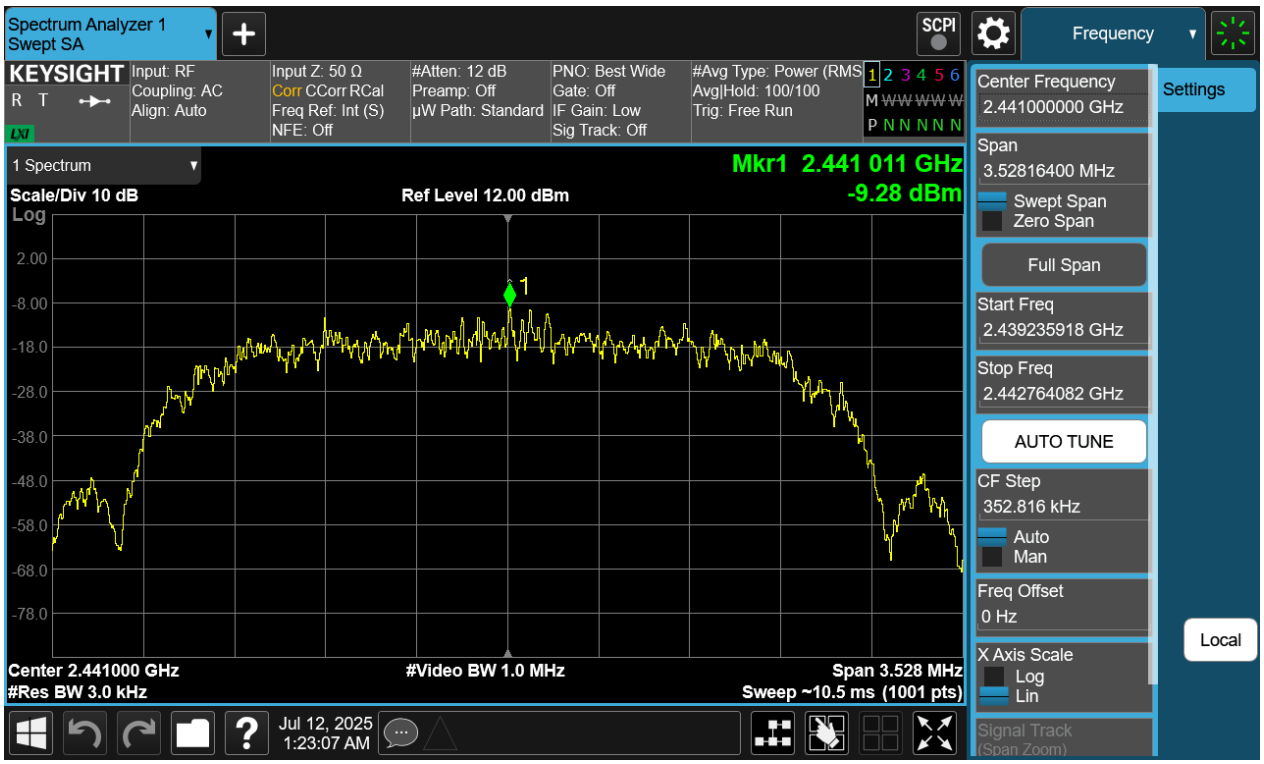
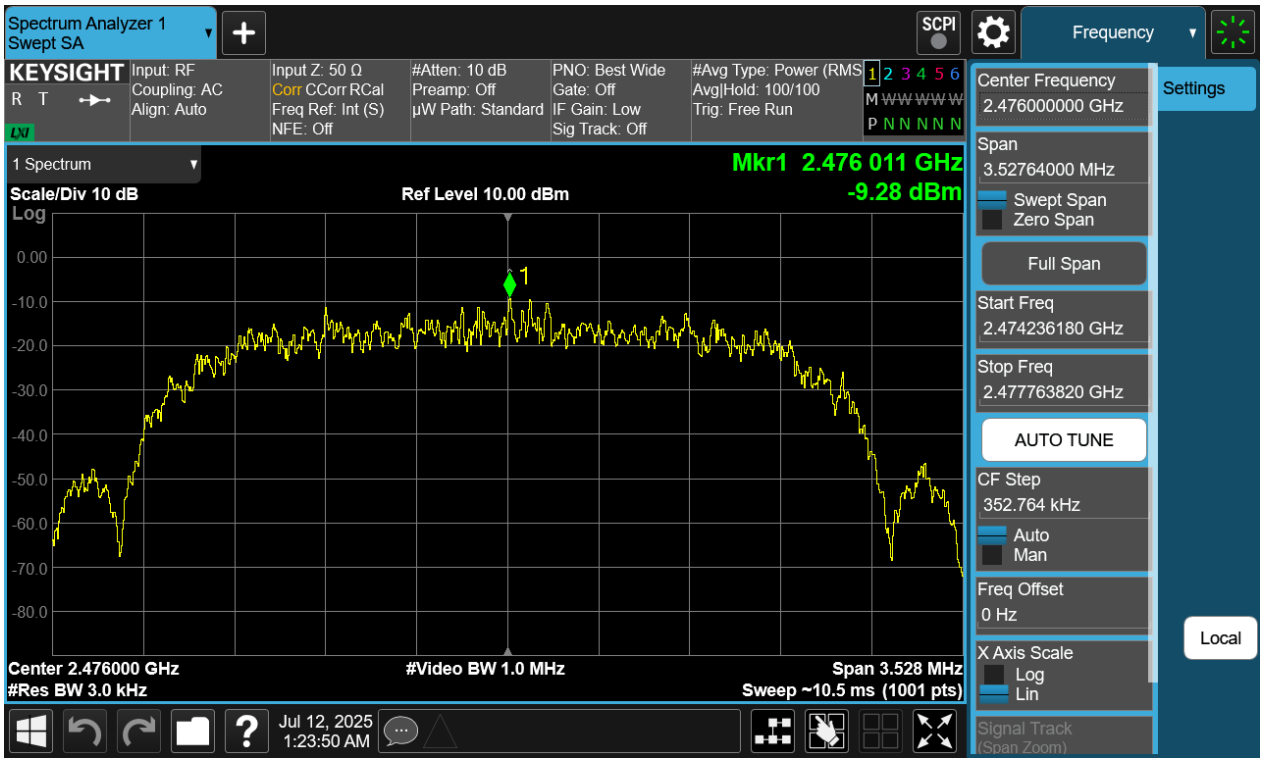


Plot 7-131. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)



Plot 7-132. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

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Plot 7-133. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)

Plot 7-134. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

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Plot 7-135. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

Plot 7-136. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 1)

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Plot 7-137. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 38)

Plot 7-138. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)

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Plot 7-139. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 1)

Plot 7-140. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 38)

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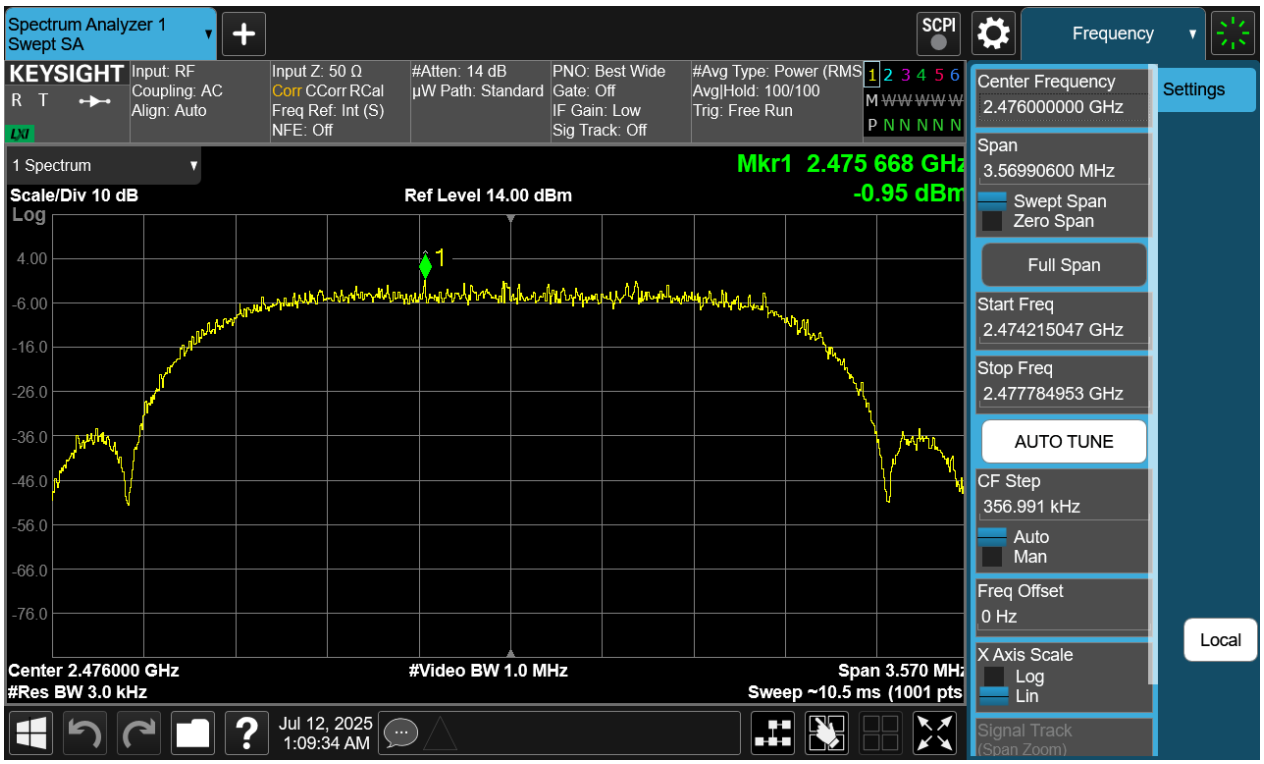
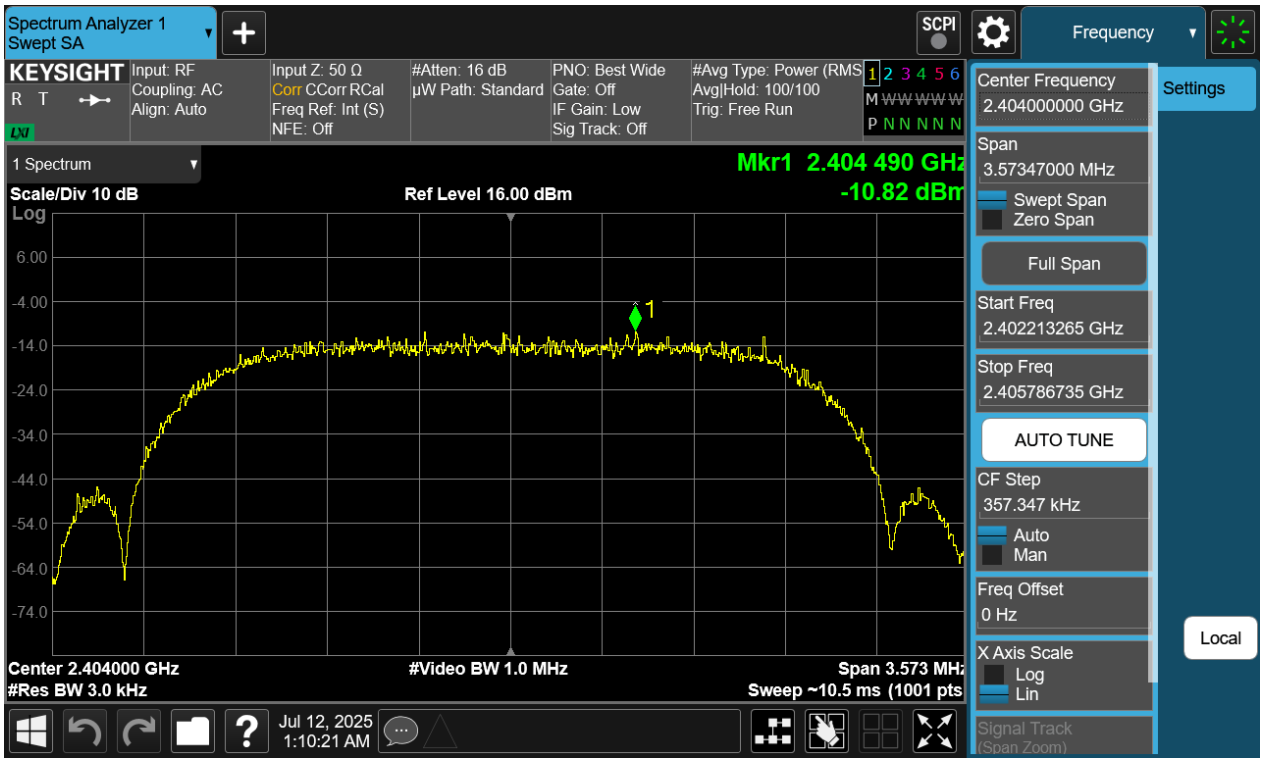


Plot 7-141. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)



Plot 7-142. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 1)

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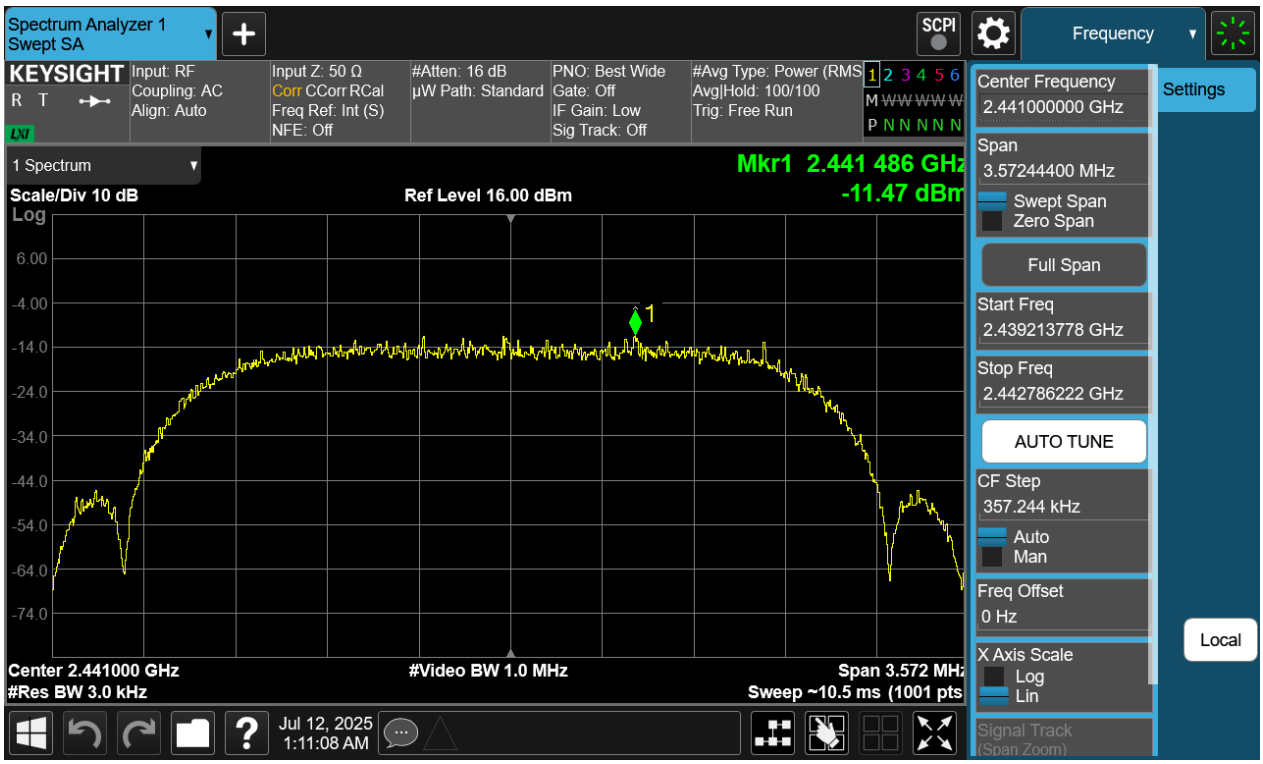

Plot 7-143. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 38)

Plot 7-144. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 73)

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Plot 7-145. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

Plot 7-146. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

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Plot 7-147. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

Plot 7-148. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

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Plot 7-149. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 38)

Plot 7-150. Power Spectral Density Plot Antenna WF9 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 73)

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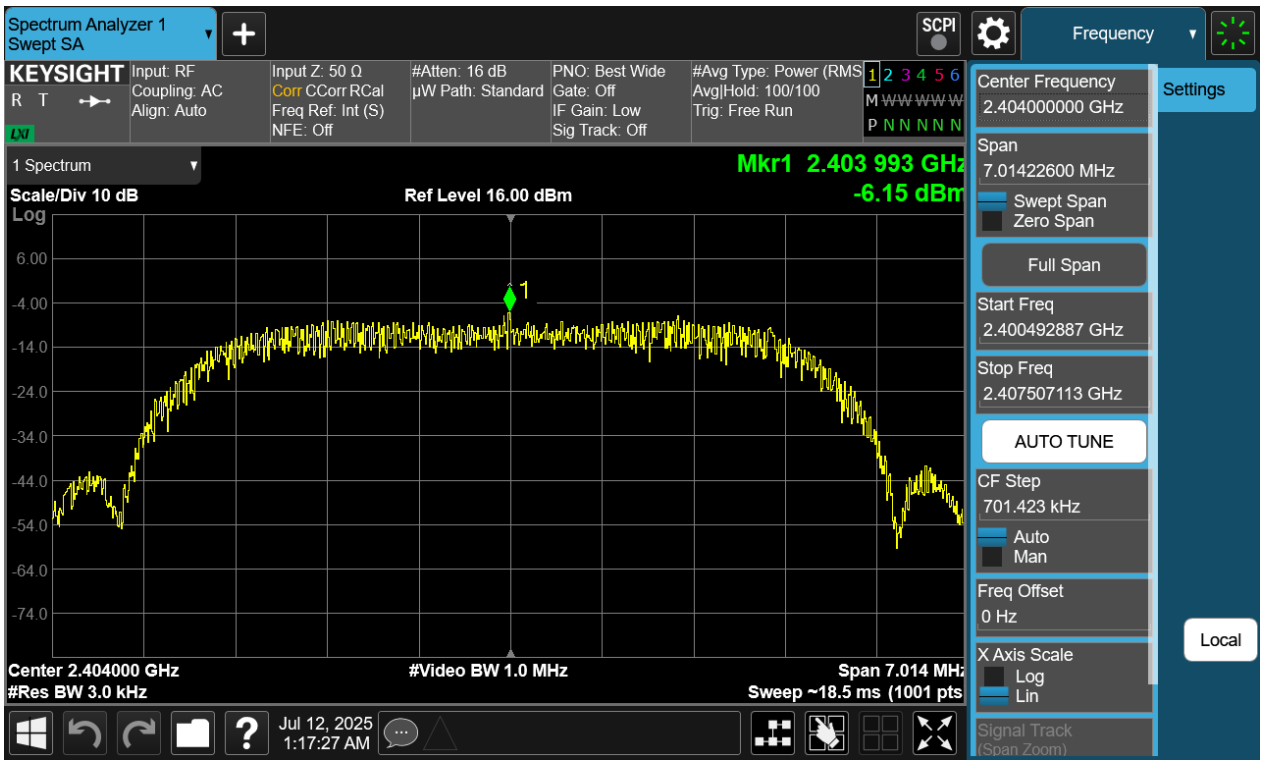

Plot 7-151. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

Plot 7-152. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

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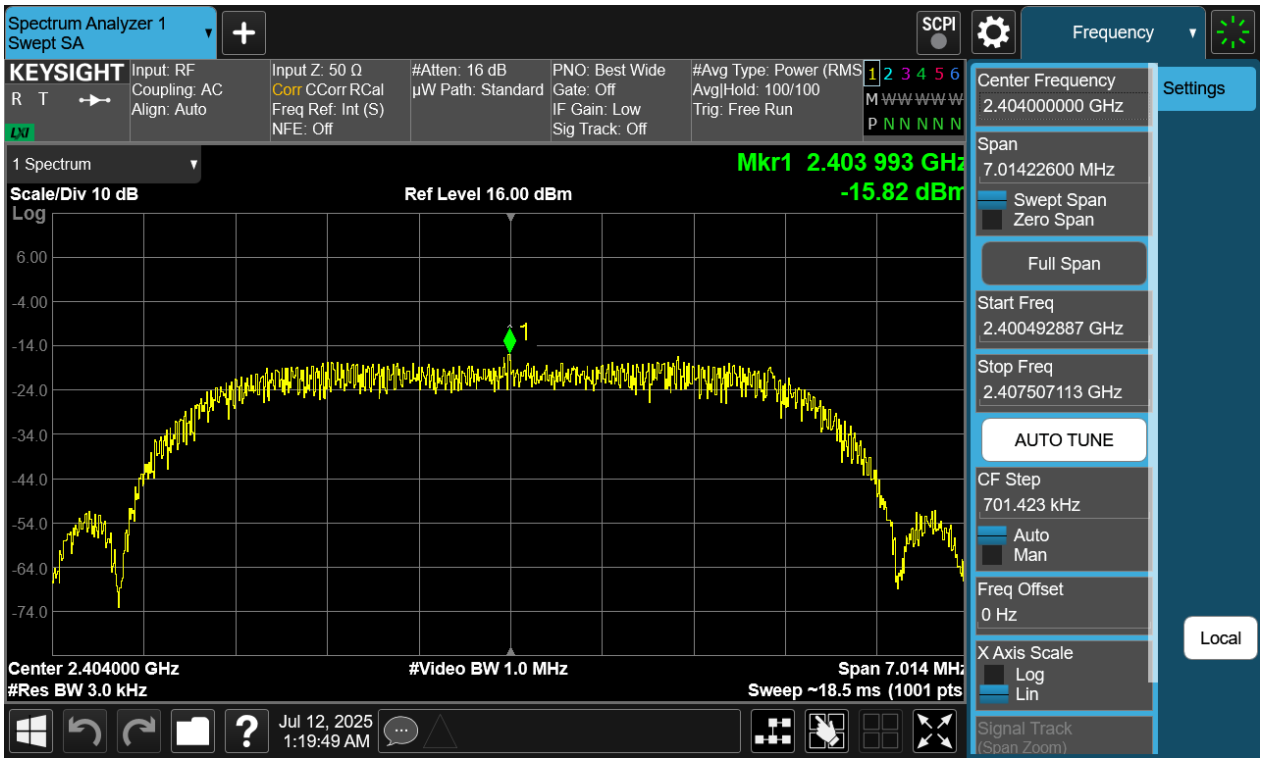
Plot 7-153. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)



Plot 7-154. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 1)

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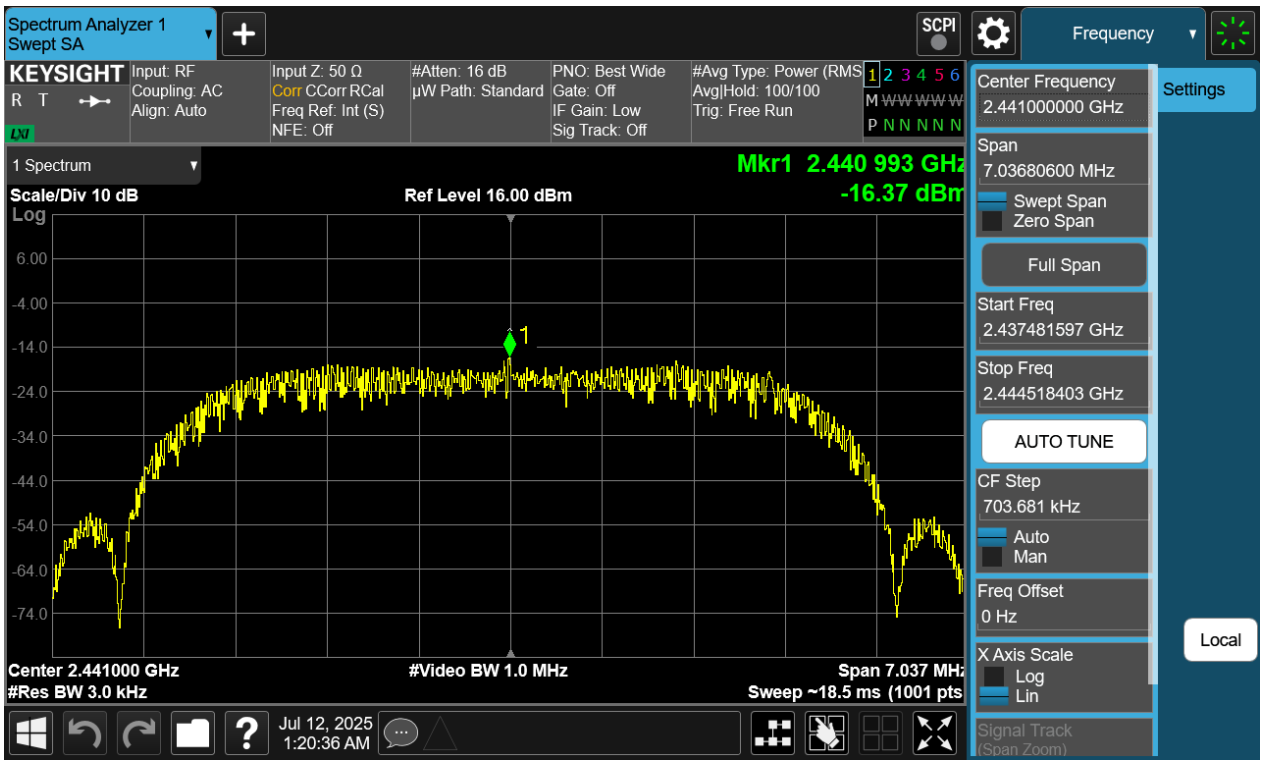

Plot 7-155. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 38)

Plot 7-156. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 73)

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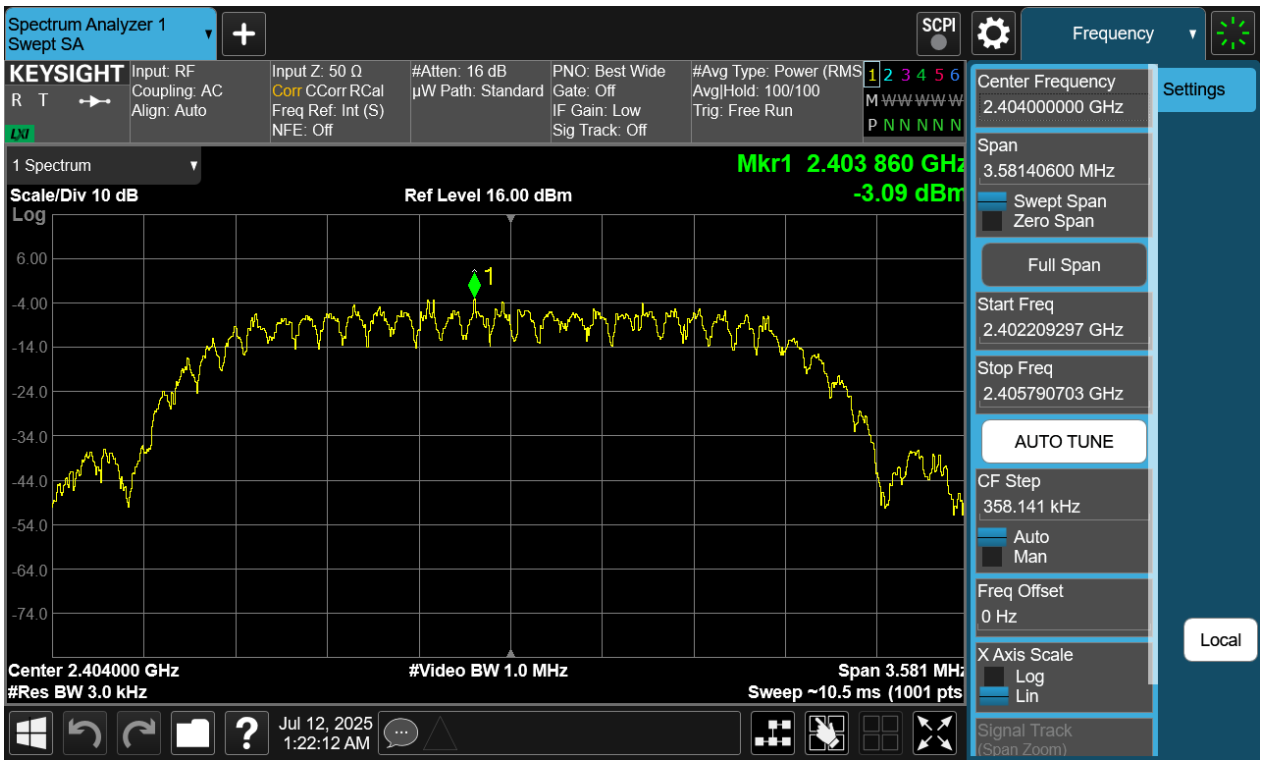
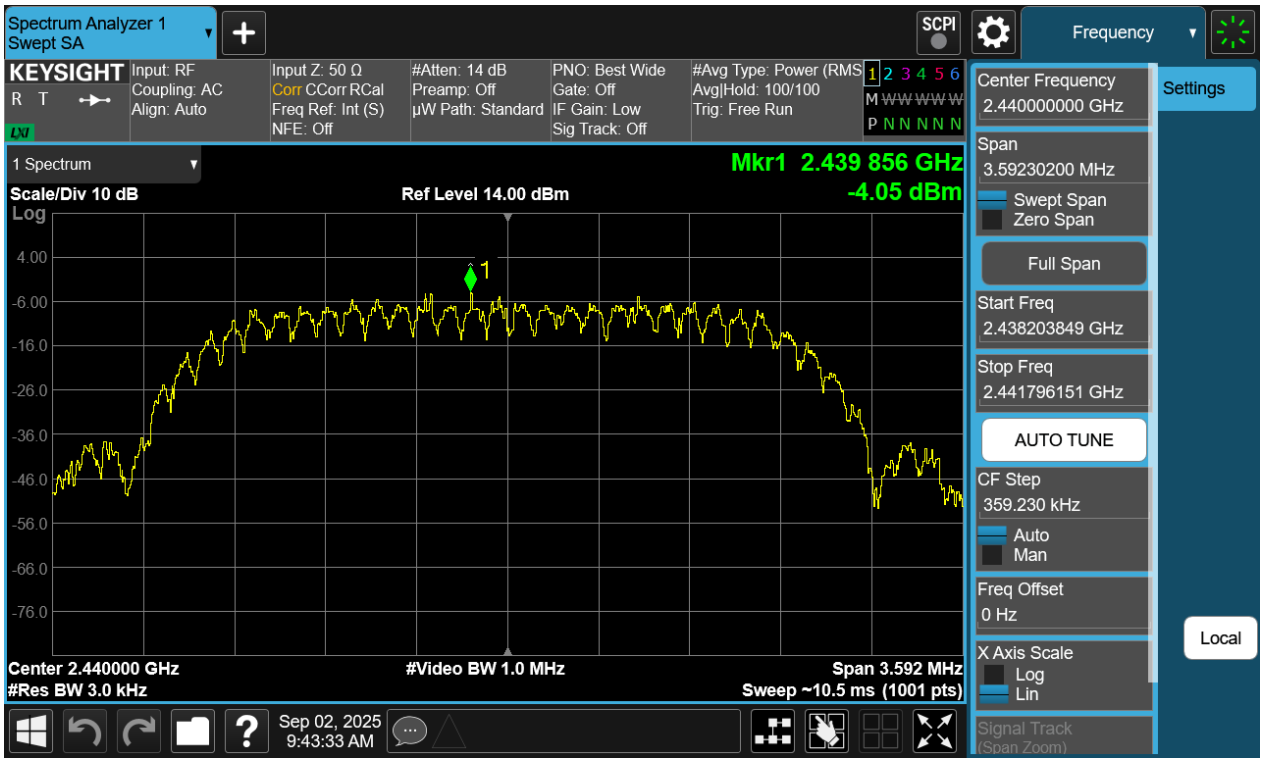


Plot 7-157. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)



Plot 7-158. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)

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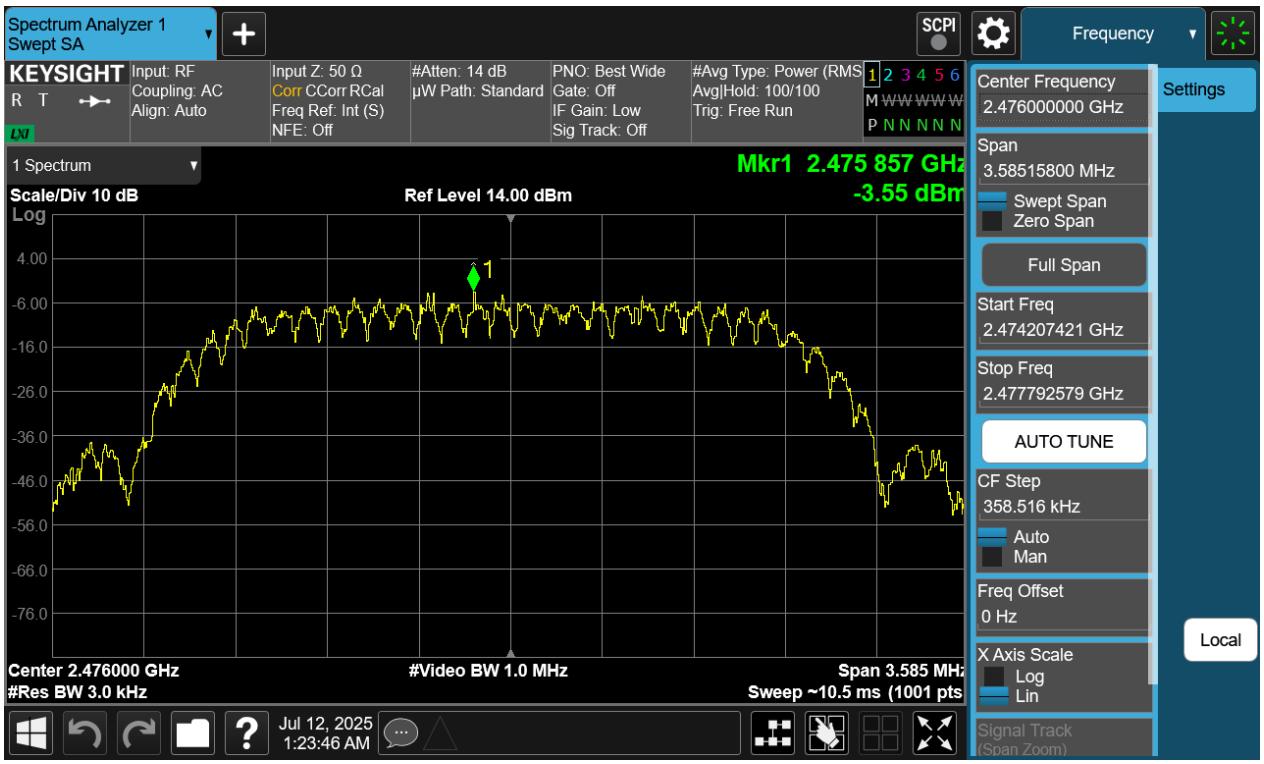

Plot 7-159. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

Plot 7-160. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 1)

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Plot 7-161. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 37)

Plot 7-162. Power Spectral Density Plot Antenna WF9 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 73)

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7.4.4 TxBF Primary

Frequency [MHz]	Mode	Power Scheme	Channel No.	Antenna WF8 Power Density [dBm/3kHz]	Antenna WF7 Power Density [dBm/3kHz]	Summed Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-0.65	-1.22	2.08	8.0	-5.92
2441	HDR4	ePA	38	-1.13	-1.65	1.63	8.0	-6.37
2476	HDR4	ePA	73	-0.98	-1.53	1.77	8.0	-6.23
2404	HDR4	iPA	1	-9.28	-9.53	-6.39	8.0	-14.39
2441	HDR4	iPA	38	-9.15	-9.35	-6.24	8.0	-14.24
2476	HDR4	iPA	73	-9.34	-9.04	-6.17	8.0	-14.17
2404	HDR8	ePA	1	-3.39	-3.41	-0.39	8.0	-8.39
2441	HDR8	ePA	38	-3.42	-3.82	-0.60	8.0	-8.60
2476	HDR8	ePA	73	-3.26	-3.76	-0.49	8.0	-8.49
2404	HDR8	iPA	1	-10.95	-11.24	-8.08	8.0	-16.08
2441	HDR8	iPA	38	-10.33	-11.09	-7.69	8.0	-15.69
2476	HDR8	iPA	73	-10.56	-10.78	-7.66	8.0	-15.66
2404	HDRPS2	ePA	1	-2.59	-1.36	1.08	8.0	-6.92
2441	HDRPS2	ePA	38	-2.84	-1.22	1.06	8.0	-6.94
2476	HDRPS2	ePA	73	-2.72	-1.67	0.84	8.0	-7.16
2404	HDRPS2	iPA	1	-9.85	-10.69	-7.24	8.0	-15.24
2441	HDRPS2	iPA	38	-10.04	-10.93	-7.45	8.0	-15.45
2476	HDRPS2	iPA	73	-10.12	-11.28	-7.65	8.0	-15.65
2404	XHDRPM6	ePA	1	-6.94	-5.28	-3.02	8.0	-11.02
2441	XHDRPM6	ePA	38	-7.68	-6.16	-3.85	8.0	-11.85
2476	XHDRPM6	ePA	73	-7.00	-5.68	-3.28	8.0	-11.28
2404	XHDRPM6	iPA	1	-14.03	-15.02	-11.49	8.0	-19.49
2441	XHDRPM6	iPA	38	-13.77	-15.03	-11.34	8.0	-19.34
2476	XHDRPM6	iPA	73	-13.77	-14.87	-11.27	8.0	-19.27
2404	HDRPM16	ePA	1	-6.51	-5.48	-2.95	8.0	-10.95
2441	HDRPM16	ePA	38	-6.97	-5.53	-3.18	8.0	-11.18
2476	HDRPM16	ePA	73	-6.78	-6.00	-3.36	8.0	-11.36
2404	HDRPM16	iPA	1	-15.11	-16.16	-12.59	8.0	-20.59
2441	HDRPM16	iPA	38	-15.37	-15.73	-12.54	8.0	-20.54
2476	HDRPM16	iPA	73	-14.54	-15.69	-12.07	8.0	-20.07
2404	HDT2	ePA	1	-4.16	-2.89	-0.47	8.0	-8.47
2440	HDT2	ePA	37	-5.16	-4.03	-1.55	8.0	-9.55
2476	HDT2	ePA	73	-4.44	-3.12	-0.72	8.0	-8.72
2404	HDT2	iPA	1	-12.23	-12.54	-9.37	8.0	-17.37
2440	HDT2	iPA	37	-13.62	-13.70	-10.65	8.0	-18.65
2476	HDT2	iPA	73	-12.53	-13.16	-9.82	8.0	-17.82

Table 7-18. Conducted Power Density Measurements TxBF Primary

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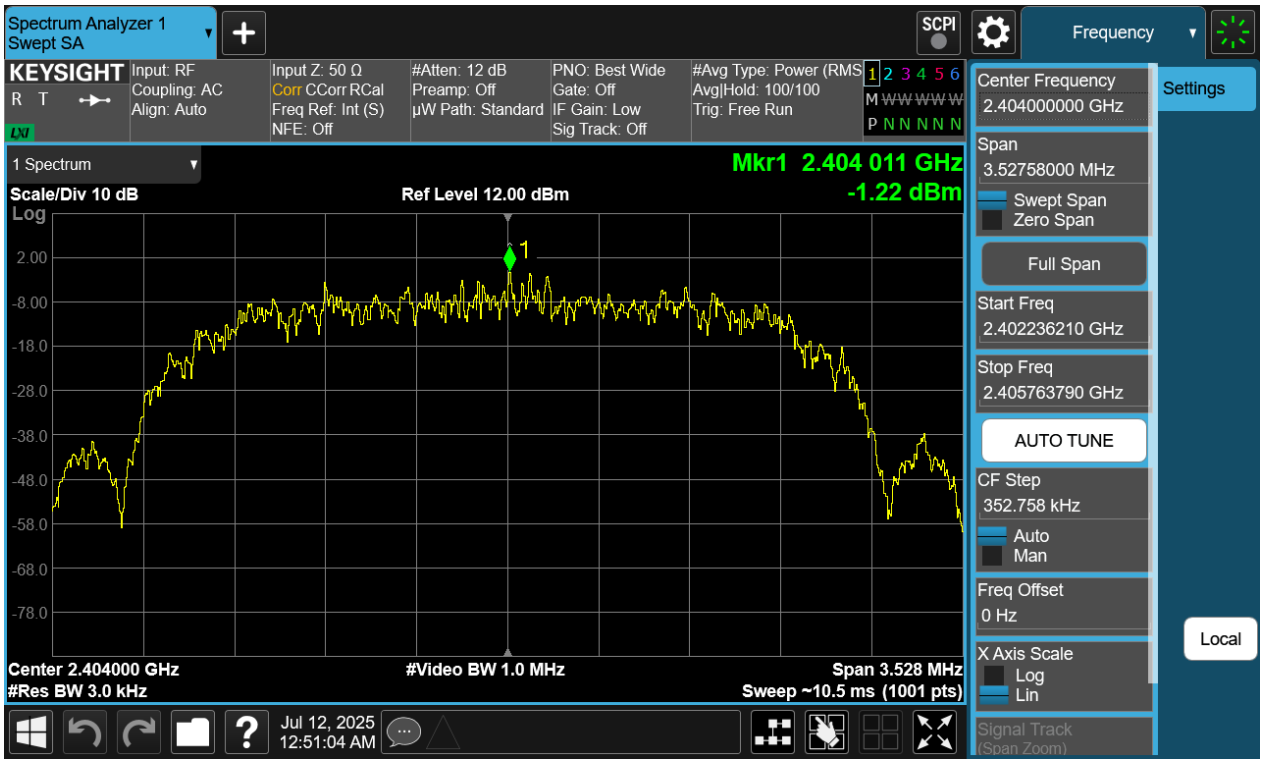
Plot 7-163. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)



Plot 7-164. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

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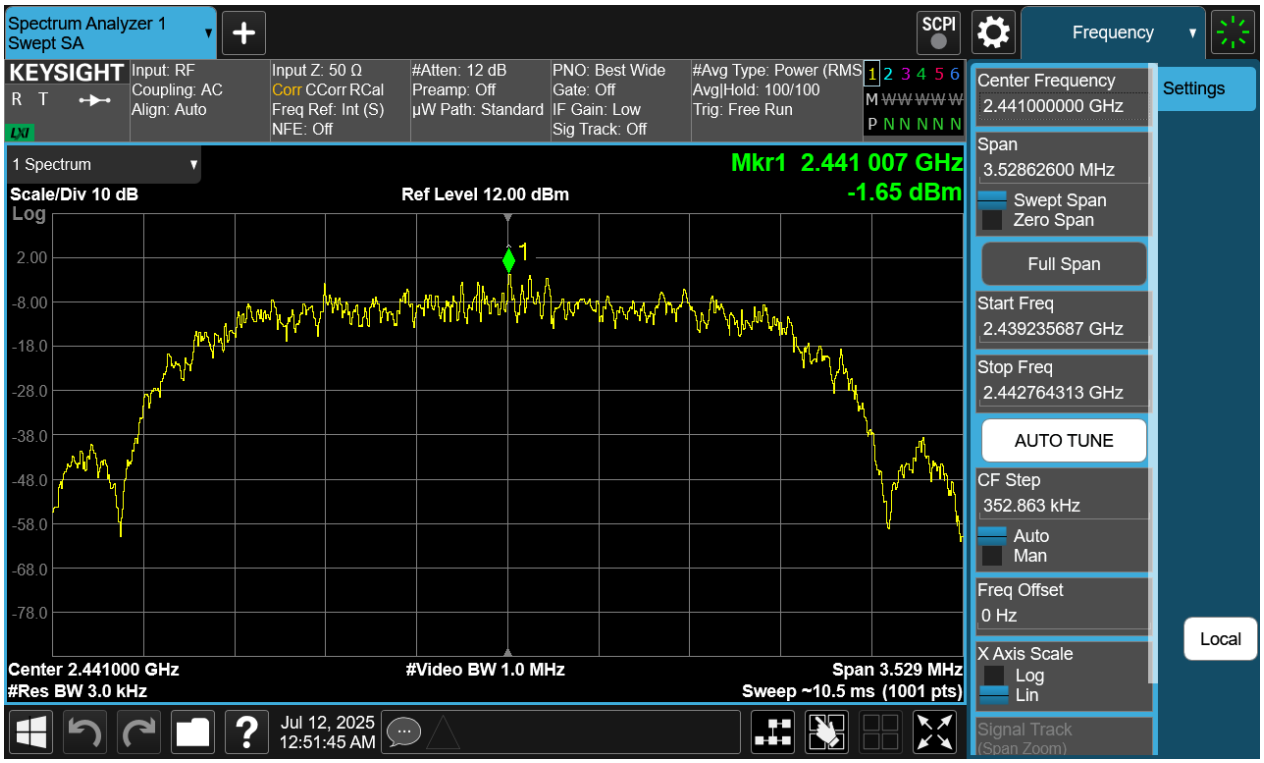
Plot 7-165. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)



Plot 7-166. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

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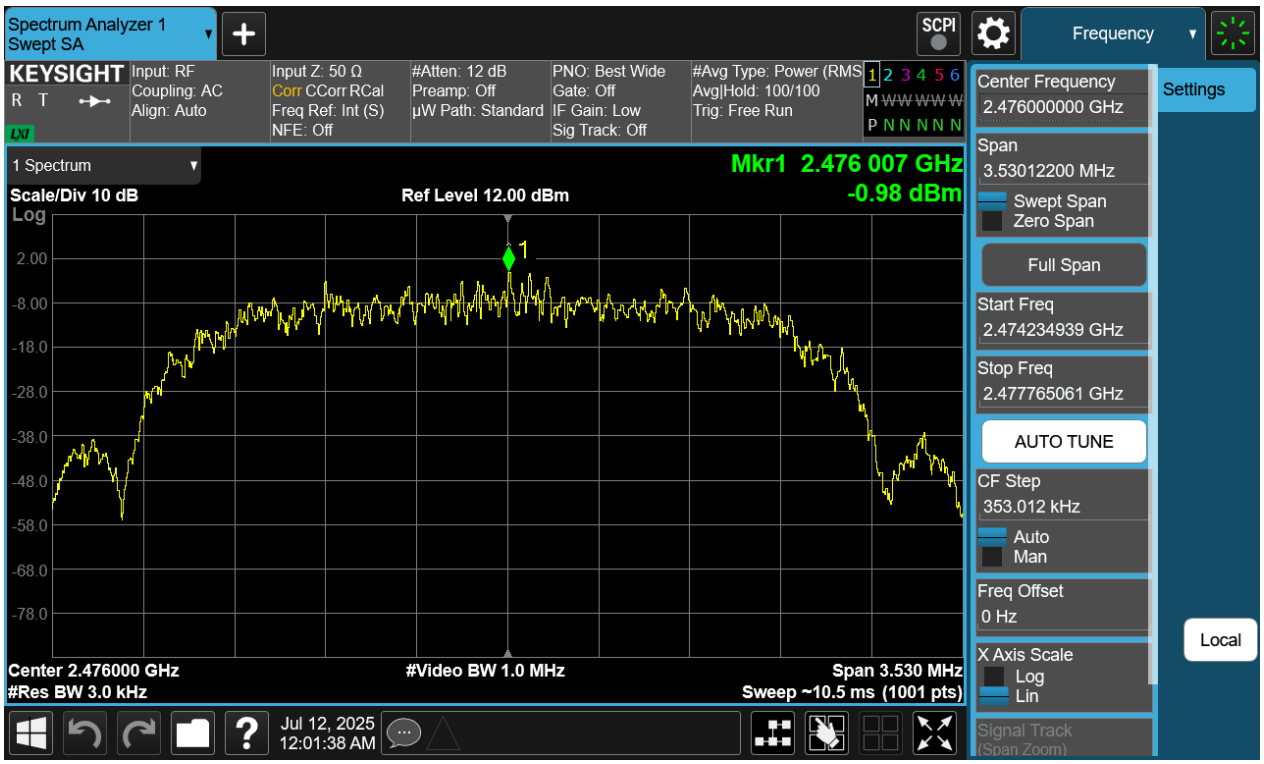
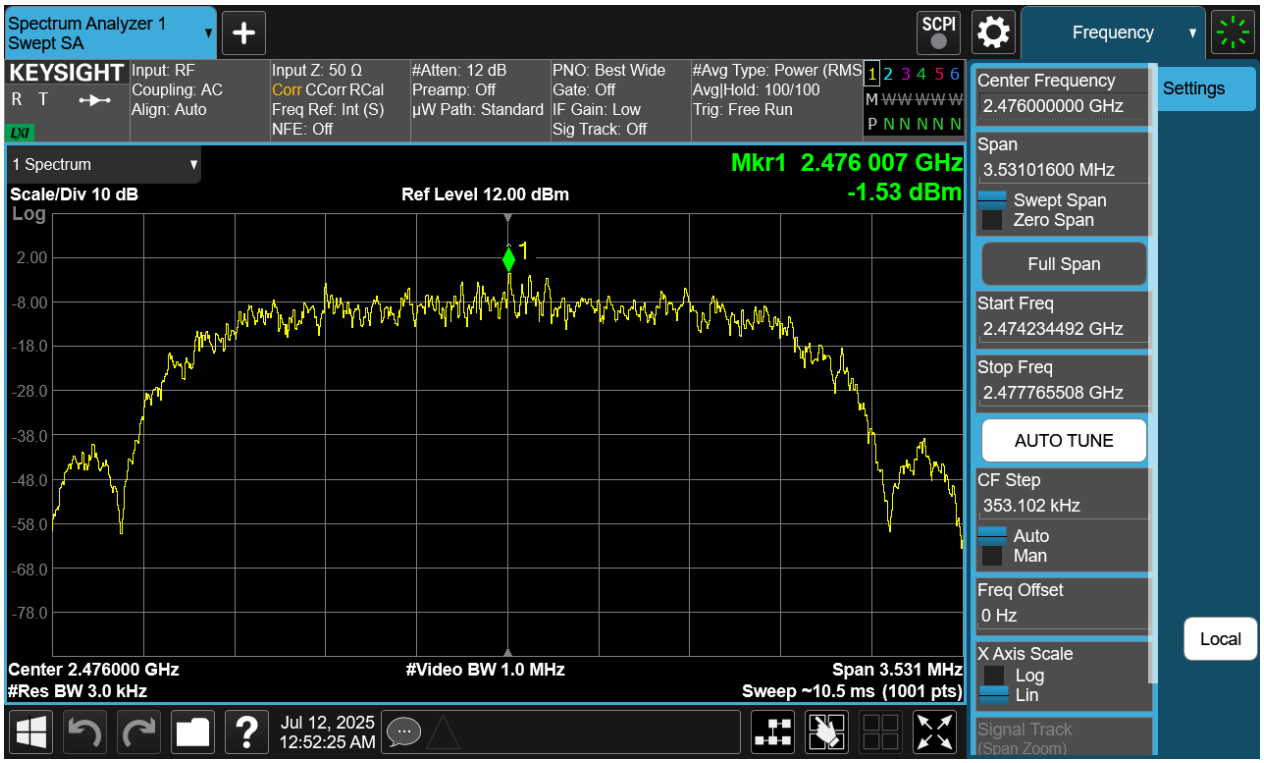


Plot 7-167. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)



Plot 7-168. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

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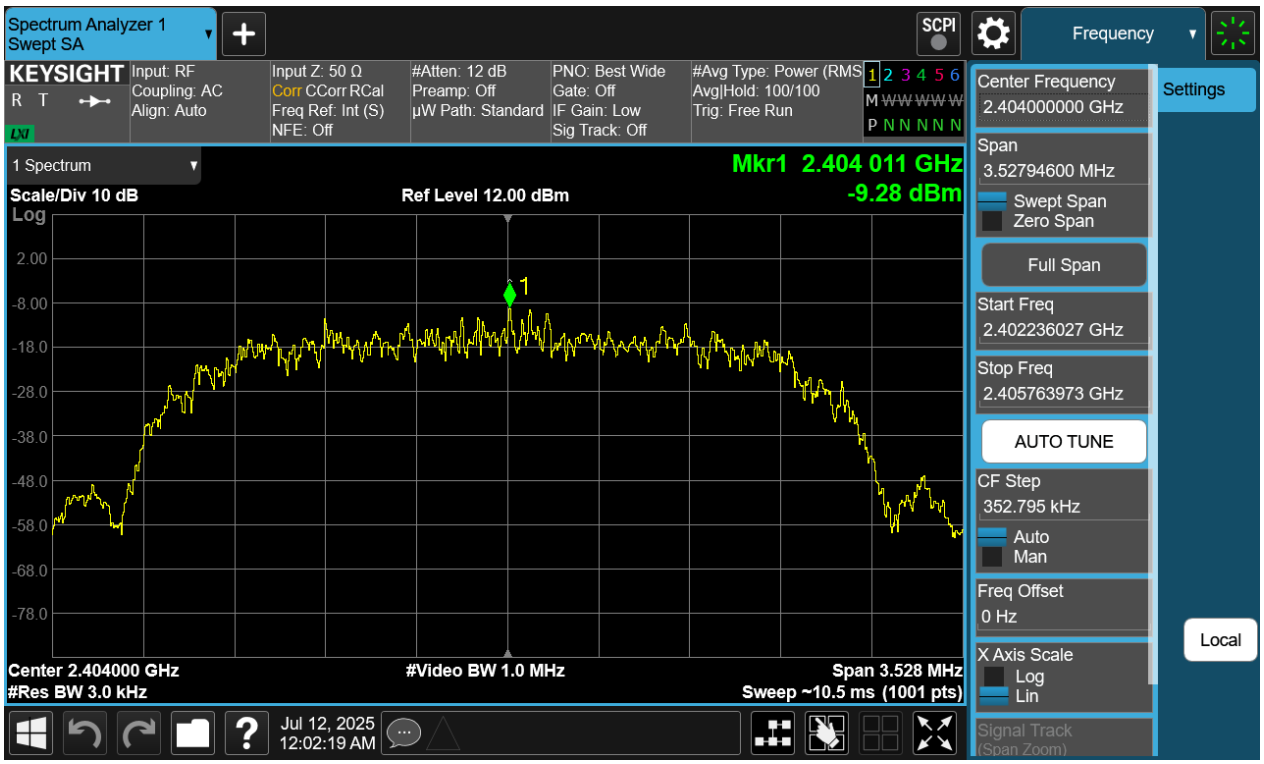
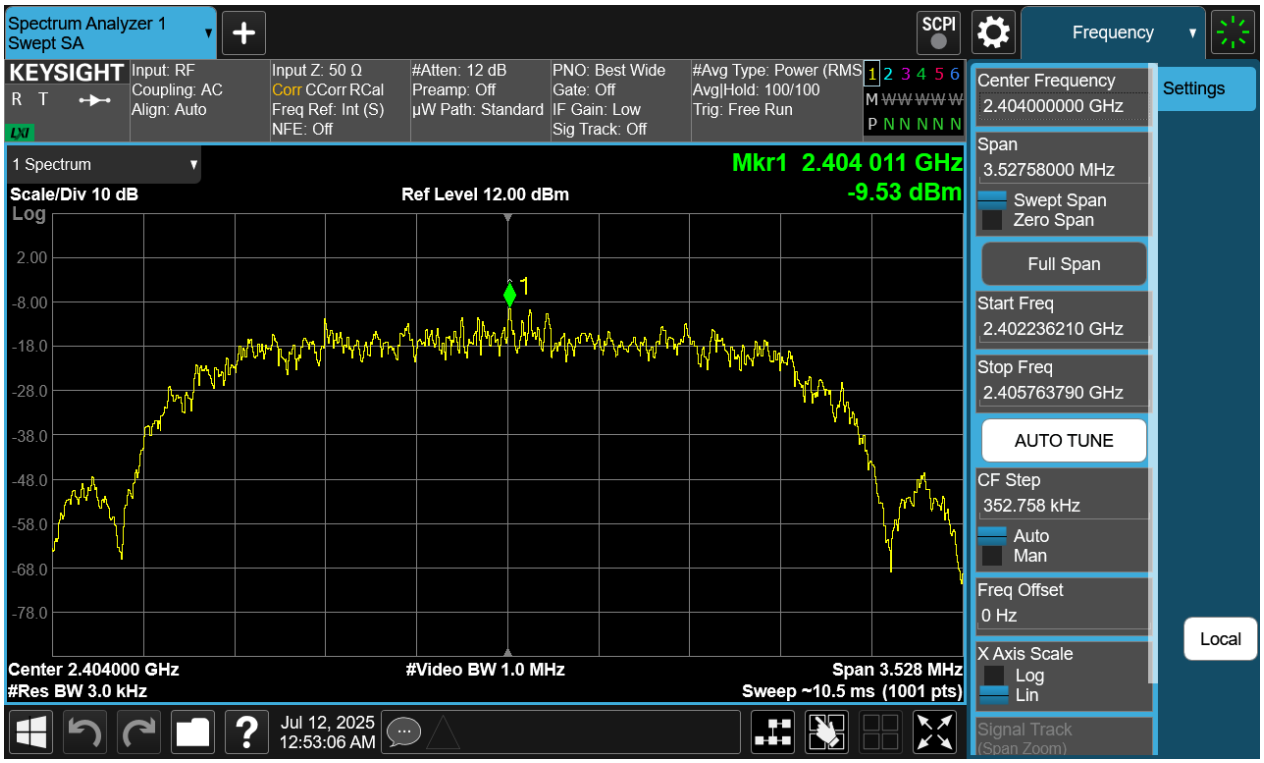


Plot 7-169. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)



Plot 7-170. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

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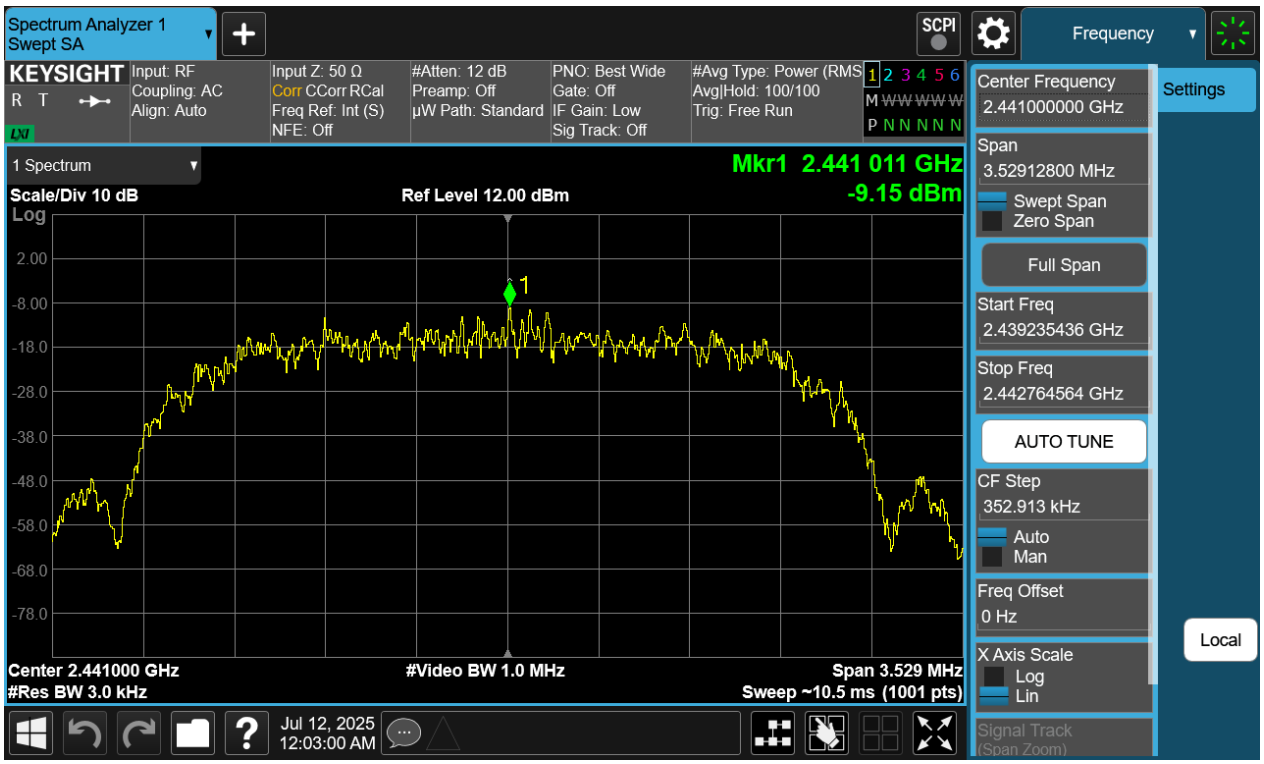
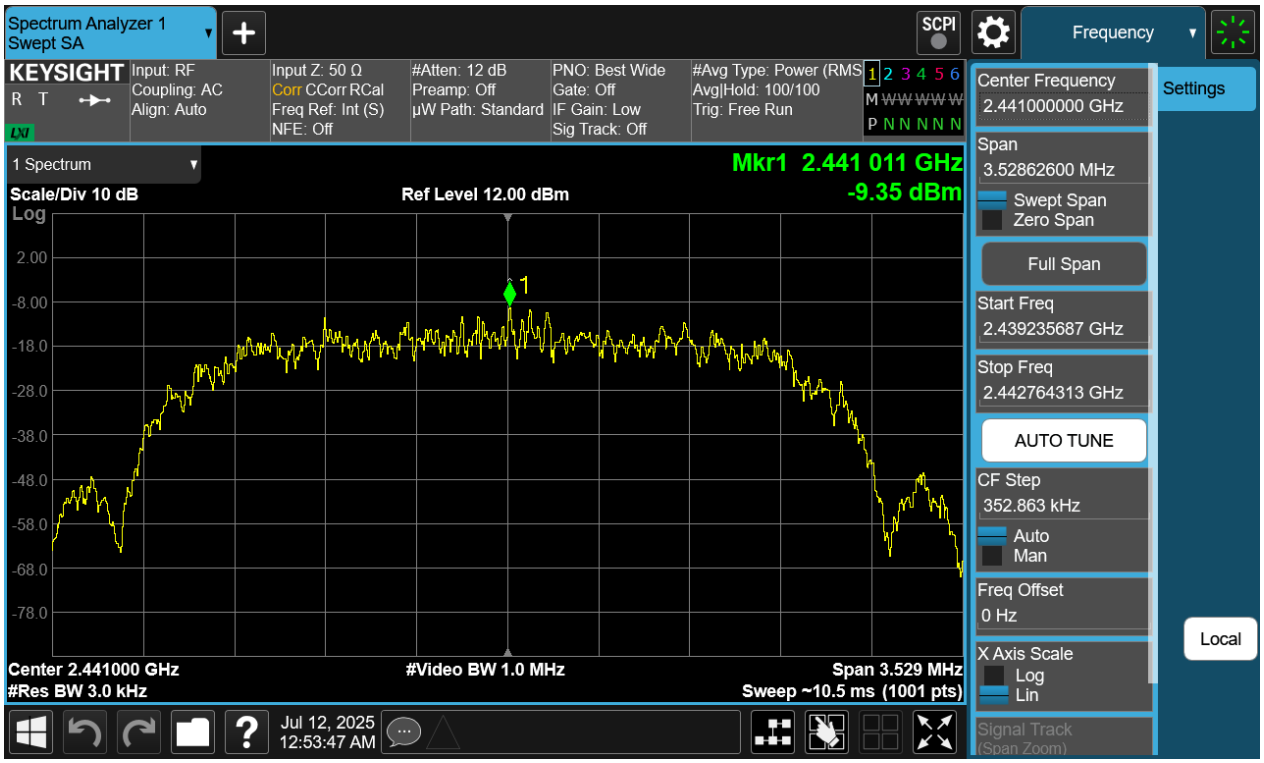


Plot 7-171. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)



Plot 7-172. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)

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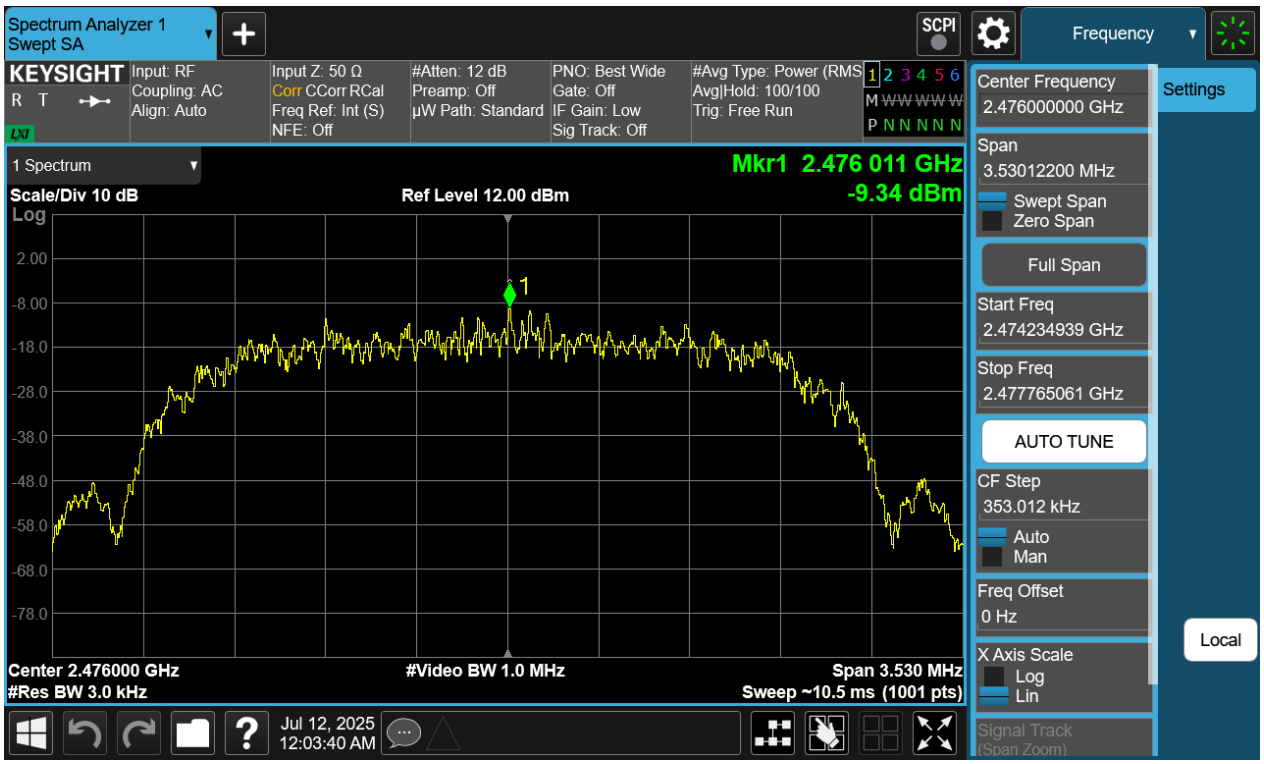
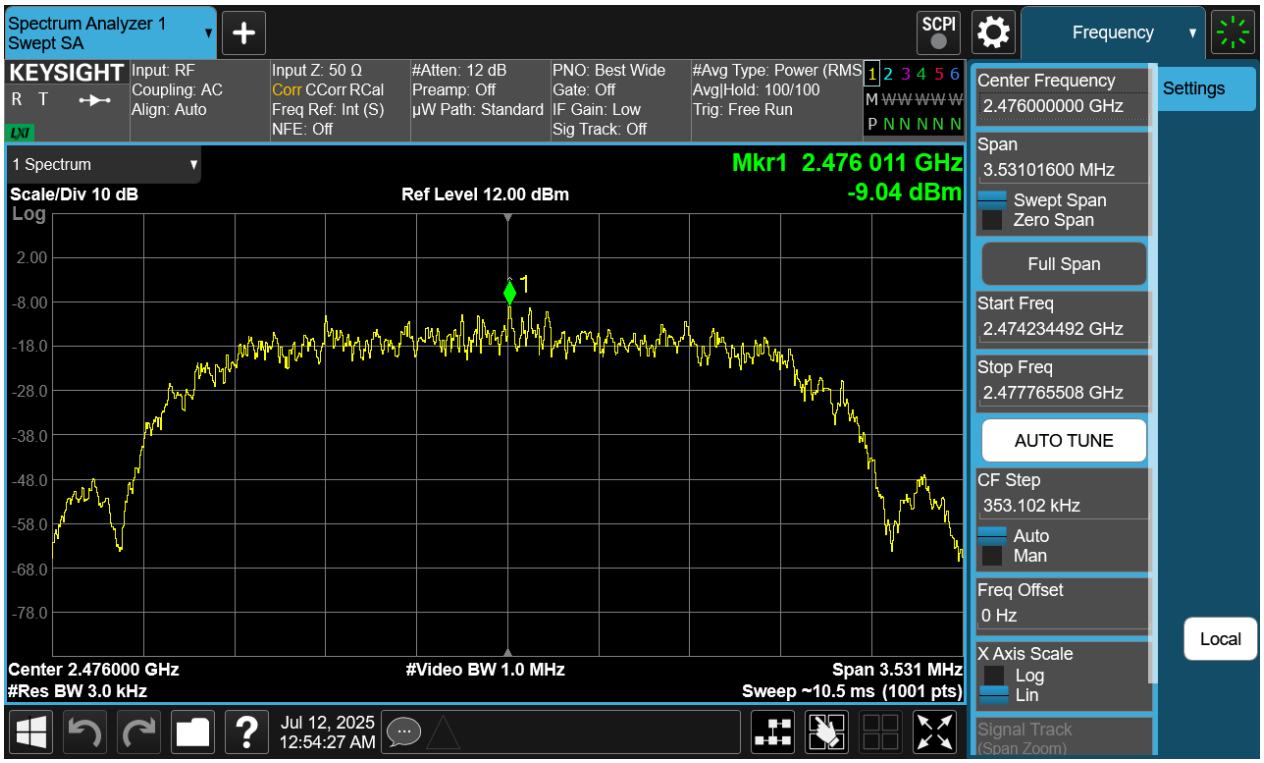


Plot 7-173. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)



Plot 7-174. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

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Plot 7-175. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)

Plot 7-176. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)

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Plot 7-177. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

Plot 7-178. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

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Plot 7-179. Power Spectral Density Plot TxBF Primary Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

Plot 7-180. Power Spectral Density Plot TxBF Primary Antenna WF7 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

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