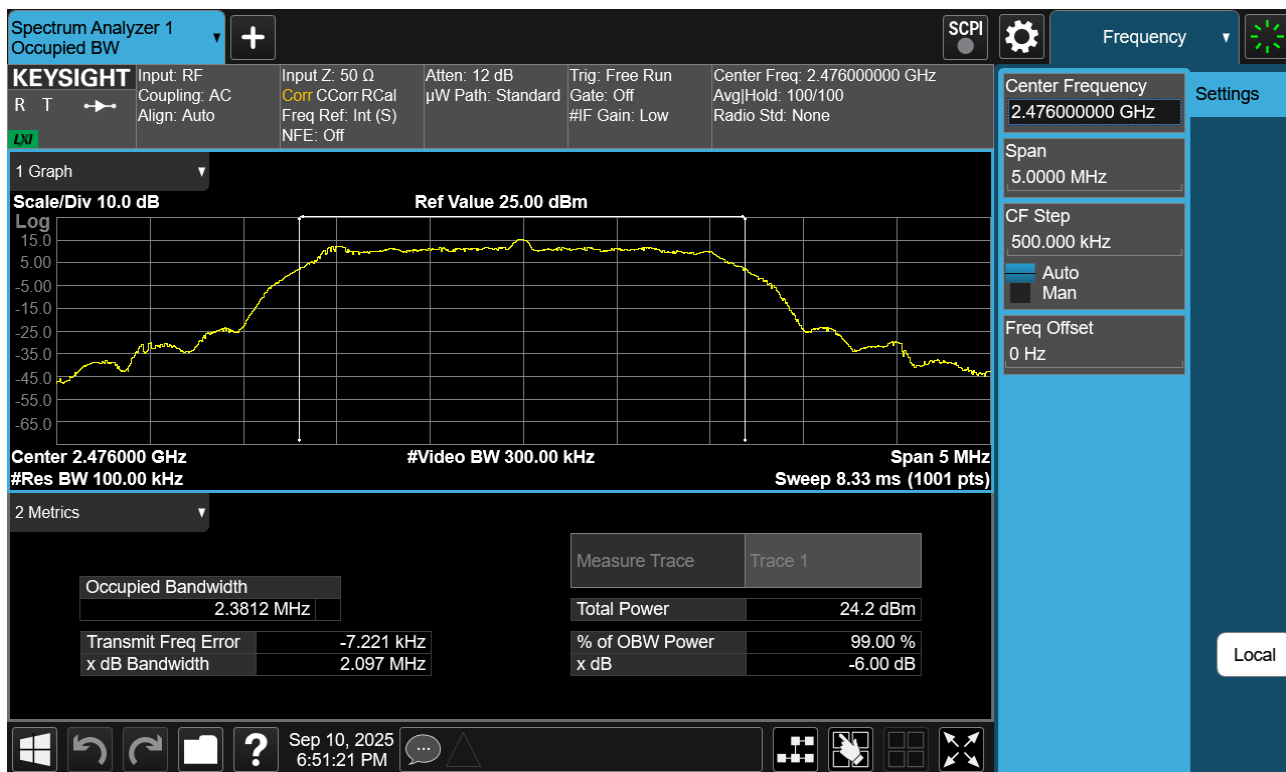
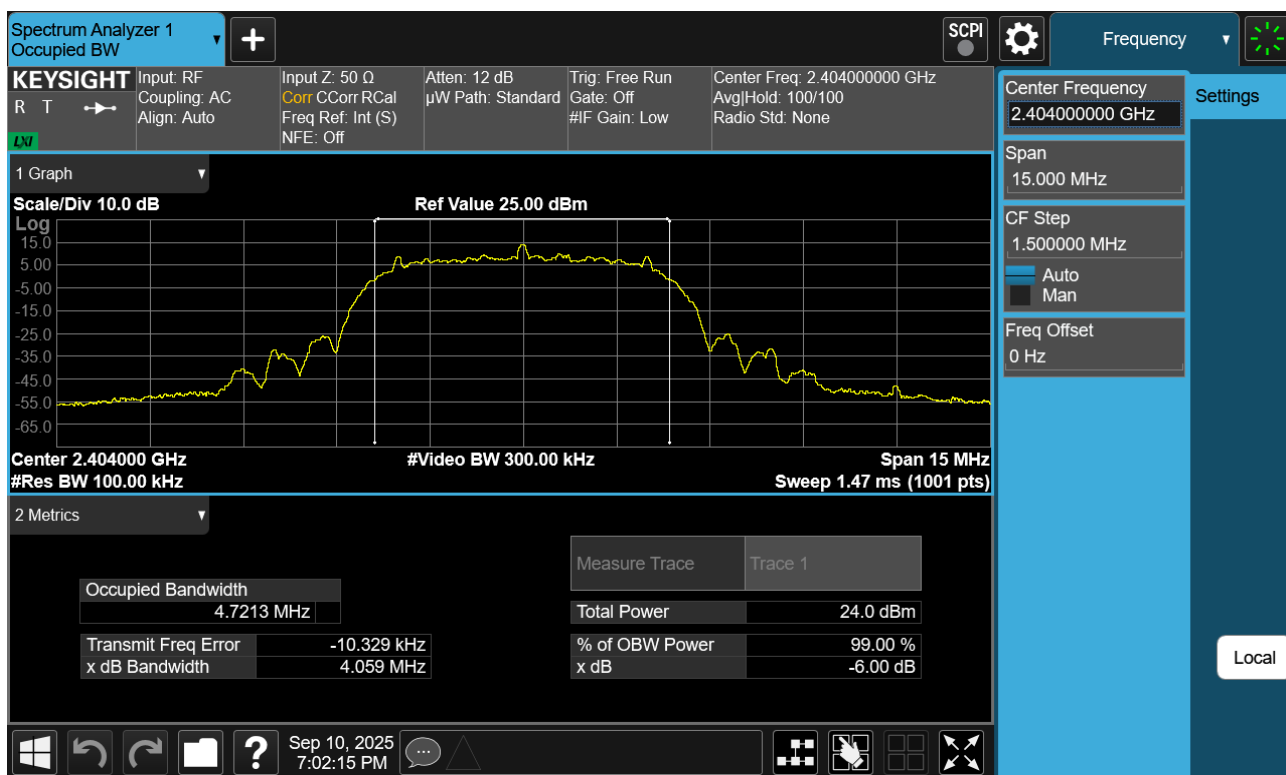




Plot 7-63. 6dB BW Plot Antenna WF7b (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

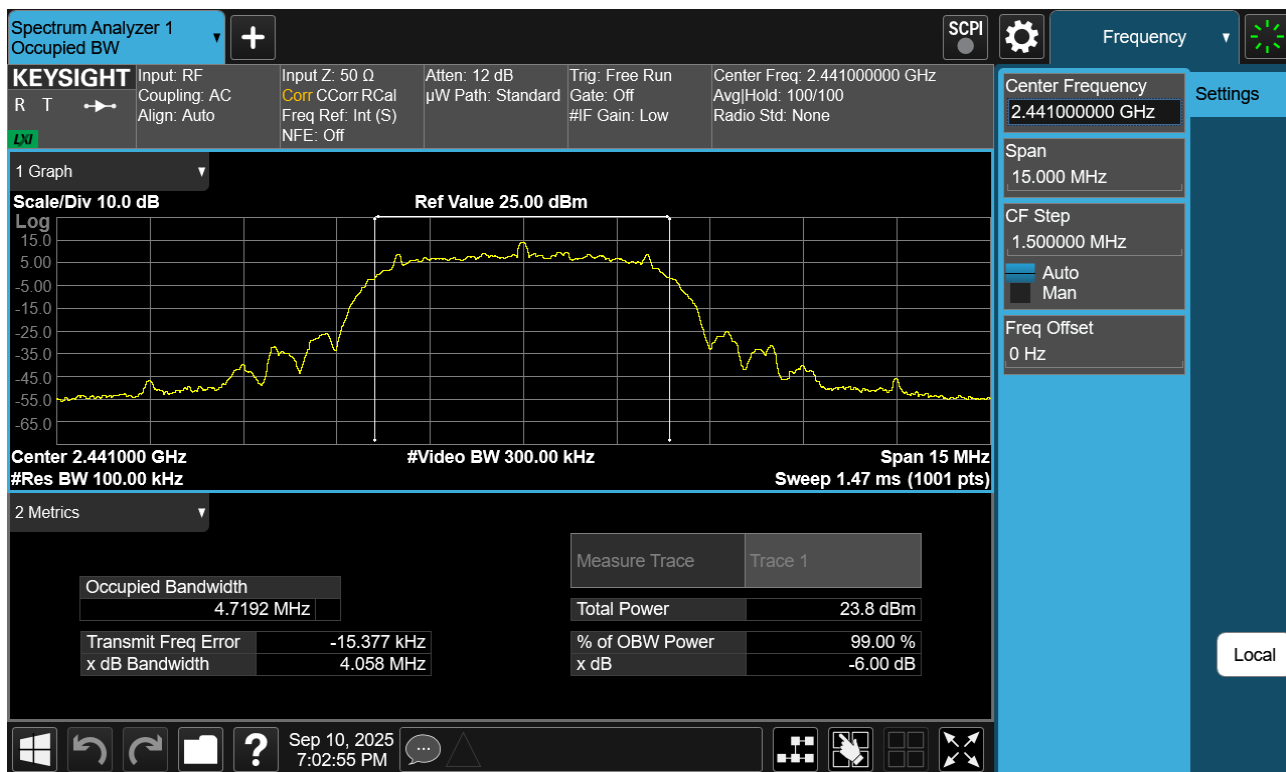


Plot 7-64. 6dB BW Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

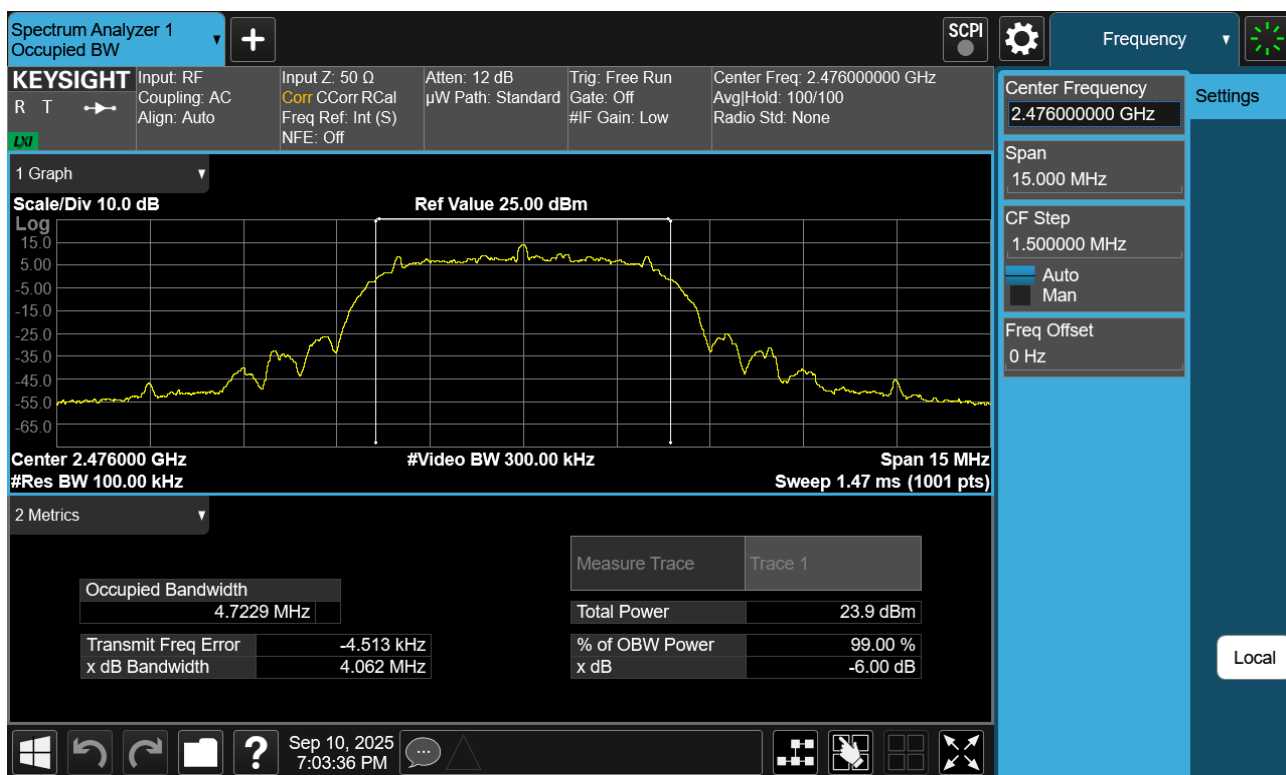
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 55 of 222

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Plot 7-65. 6dB BW Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

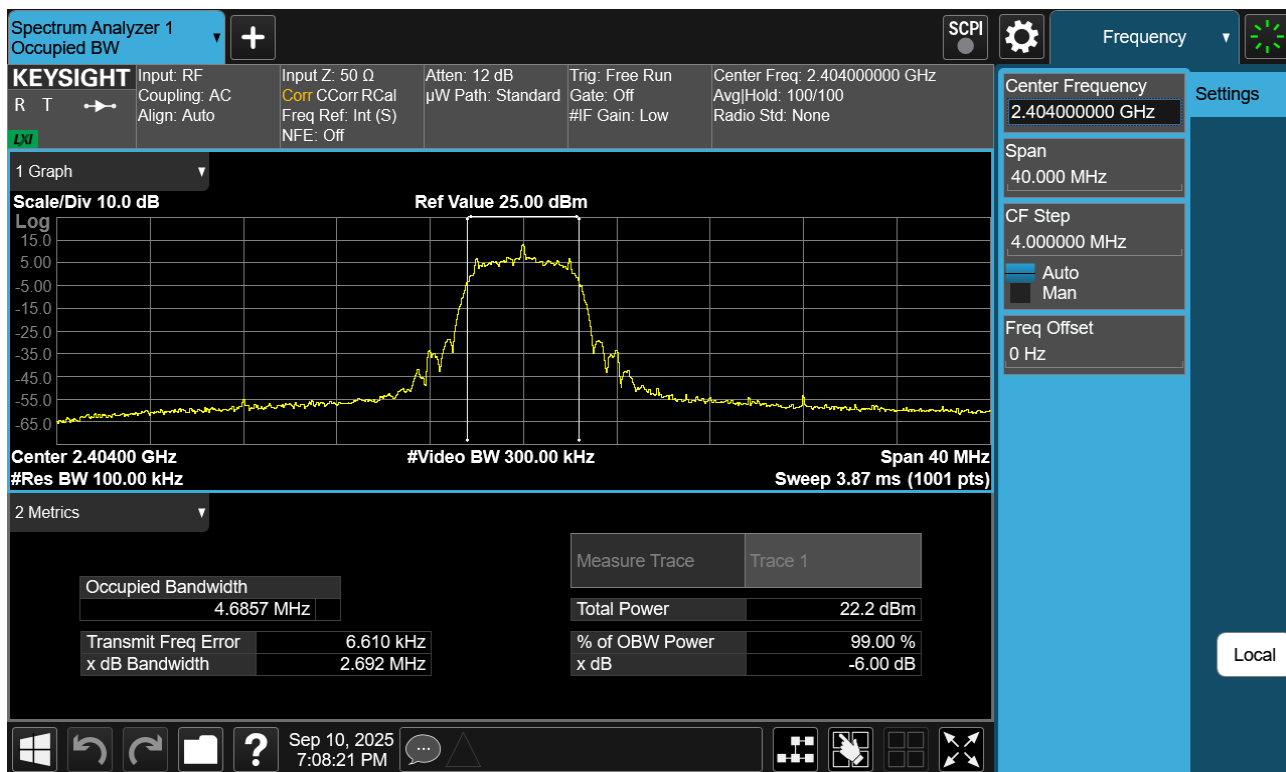


Plot 7-66. 6dB BW Plot Antenna WF7b (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

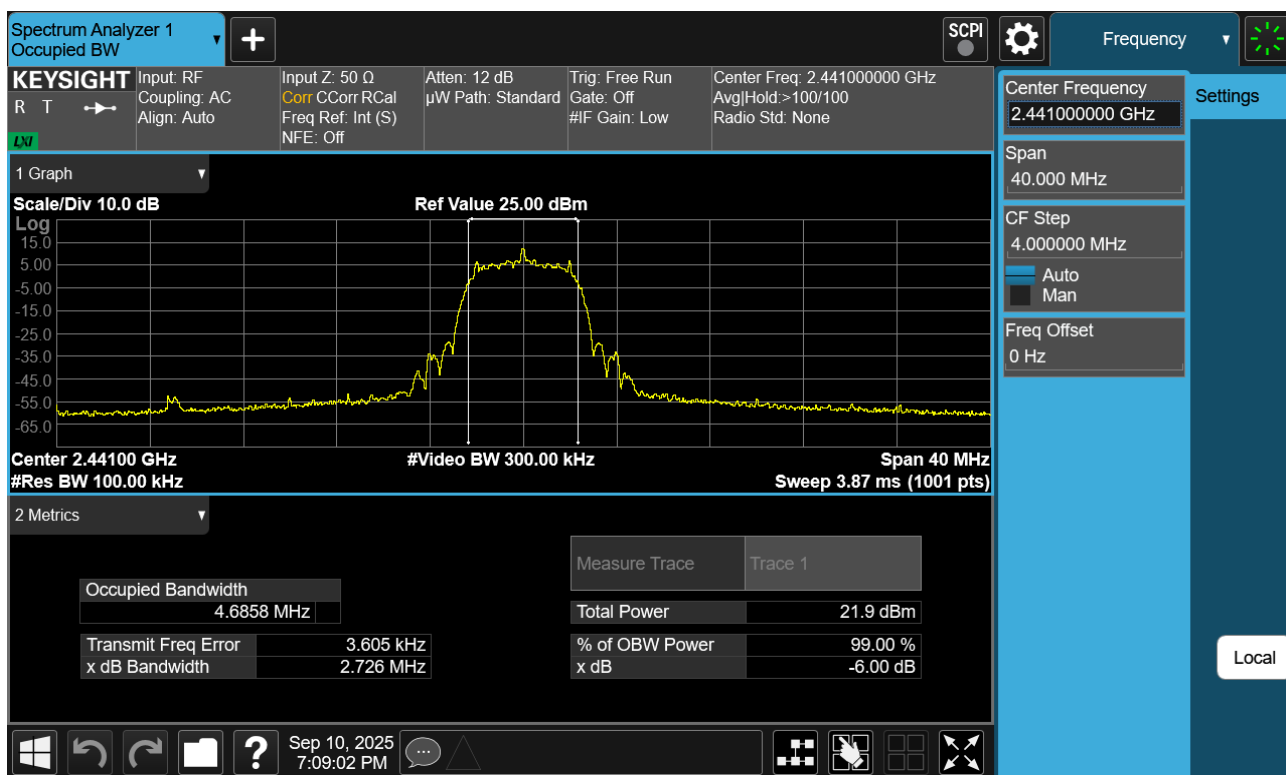
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 56 of 222

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Plot 7-67. 6dB BW Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

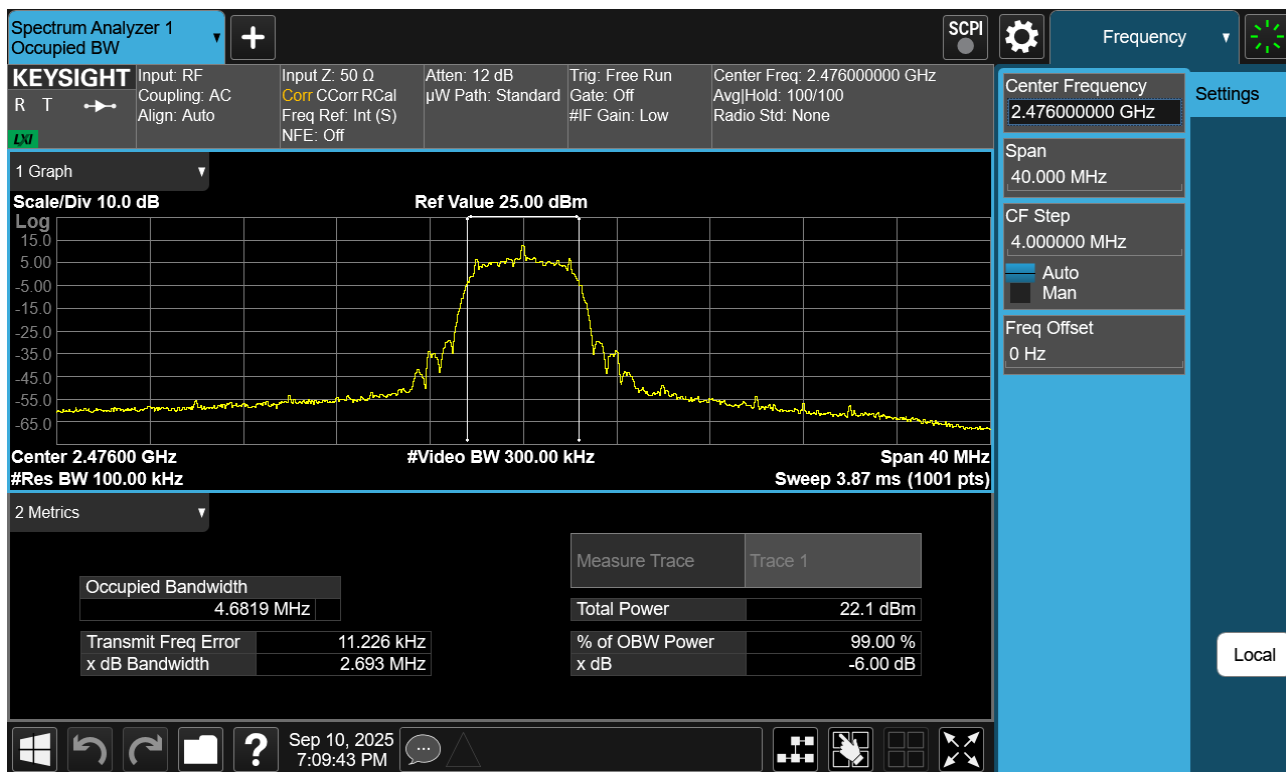


Plot 7-68. 6dB BW Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-69. 6dB BW Plot Antenna WF7b (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)



Plot 7-70. 6dB BW Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-71. 6dB BW Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)



Plot 7-72. 6dB BW Plot Antenna WF7b (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 59 of 222

7.4 Output Power Measurement

§15.247(b)(3); RSS-247 [6.3.2]

Test Overview and Limits

The transmitter antenna terminal of the EUT is connected to the input of a spectrum analyzer. Measurements are made while the EUT is operating at maximum power and at the appropriate frequencies.

The maximum peak conducted output power of digital modulation systems operating in the 2400-2483.5 MHz band is 1 Watt.

The conducted output power limit on paragraph above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For DTSs employing digital modulation techniques operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 11.9.1.2 PKPM1 Peak Power Method

KDB 558074 D01 v05r02 – Section 8.3.1.3 PKPM1 Peak-reading Power Meter Method

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 11.9.2.3.2 Method AVGPM-G

KDB 558074 D01 v05r02 – Section 8.3.2.3 Measurement using a Power Meter (PM)

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.4 Measure-and-Sum Technique

KDB 662911 D01 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Method PKPM1 (Peak Power Measurement)

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Method AVGPM-G (Average Power Measurement)

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-3. Test Instrument & Measurement Setup for Peak and Average Power Measurement

Test Notes

None

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7.4.1 Peak Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Mode	Power Scheme	Channel No.	Peak Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	HDR4	ePA	1	16.54	45.082	30.00	-13.46	1.50	18.04	36.02	-17.98
2441	HDR4	ePA	38	16.35	43.152	30.00	-13.65	1.50	17.85	36.02	-18.17
2476	HDR4	ePA	73	16.48	44.463	30.00	-13.52	1.50	17.98	36.02	-18.04
2404	HDR4	iPA	1	9.12	8.166	30.00	-20.88	1.50	10.62	36.02	-25.40
2441	HDR4	iPA	38	9.30	8.511	30.00	-20.70	1.50	10.80	36.02	-25.22
2476	HDR4	iPA	73	9.41	8.730	30.00	-20.59	1.50	10.91	36.02	-25.11
2404	HDR8	ePA	1	16.54	45.082	30.00	-13.46	1.50	18.04	36.02	-17.98
2441	HDR8	ePA	38	16.32	42.855	30.00	-13.68	1.50	17.82	36.02	-18.20
2476	HDR8	ePA	73	16.48	44.463	30.00	-13.52	1.50	17.98	36.02	-18.04
2404	HDR8	iPA	1	9.03	7.998	30.00	-20.97	1.50	10.53	36.02	-25.49
2441	HDR8	iPA	38	9.19	8.299	30.00	-20.81	1.50	10.69	36.02	-25.33
2476	HDR8	iPA	73	9.31	8.531	30.00	-20.69	1.50	10.81	36.02	-25.21
2404	HDRPS2	ePA	1	16.88	48.753	30.00	-13.12	1.50	18.38	36.02	-17.64
2441	HDRPS2	ePA	38	16.64	46.132	30.00	-13.36	1.50	18.14	36.02	-17.88
2476	HDRPS2	ePA	73	16.80	47.863	30.00	-13.20	1.50	18.30	36.02	-17.72
2404	HDRPS2	iPA	1	9.52	8.954	30.00	-20.48	1.50	11.02	36.02	-25.00
2441	HDRPS2	iPA	38	9.68	9.290	30.00	-20.32	1.50	11.18	36.02	-24.84
2476	HDRPS2	iPA	73	9.85	9.661	30.00	-20.15	1.50	11.35	36.02	-24.67
2404	HDRPM4	ePA	1	16.94	49.431	30.00	-13.06	1.50	18.44	36.02	-17.58
2441	HDRPM4	ePA	38	16.73	47.098	30.00	-13.27	1.50	18.23	36.02	-17.79
2476	HDRPM4	ePA	73	16.82	48.084	30.00	-13.18	1.50	18.32	36.02	-17.70
2404	HDRPM4	iPA	1	9.42	8.750	30.00	-20.58	1.50	10.92	36.02	-25.10
2441	HDRPM4	iPA	38	9.79	9.528	30.00	-20.21	1.50	11.29	36.02	-24.73
2476	HDRPM4	iPA	73	9.68	9.290	30.00	-20.32	1.50	11.18	36.02	-24.84
2404	HDRPM12	ePA	1	17.19	52.360	30.00	-12.81	1.50	18.69	36.02	-17.33
2441	HDRPM12	ePA	38	16.97	49.774	30.00	-13.03	1.50	18.47	36.02	-17.55
2476	HDRPM12	ePA	73	16.99	50.003	30.00	-13.01	1.50	18.49	36.02	-17.53
2404	HDRPM12	iPA	1	8.66	7.345	30.00	-21.34	1.50	10.16	36.02	-25.86
2441	HDRPM12	iPA	38	8.75	7.499	30.00	-21.25	1.50	10.25	36.02	-25.77
2476	HDRPM12	iPA	73	9.15	8.222	30.00	-20.85	1.50	10.65	36.02	-25.37
2404	HDT2	ePA	1	16.88	48.753	30.00	-13.12	1.50	18.38	36.02	-17.64
2440	HDT2	ePA	37	16.70	46.774	30.00	-13.30	1.50	18.20	36.02	-17.82
2476	HDT2	ePA	73	16.73	47.098	30.00	-13.27	1.50	18.23	36.02	-17.79
2404	HDT2	iPA	1	9.40	8.710	30.00	-20.60	1.50	10.90	36.02	-25.12
2440	HDT2	iPA	37	9.67	9.268	30.00	-20.33	1.50	11.17	36.02	-24.85
2476	HDT2	iPA	73	9.66	9.247	30.00	-20.34	1.50	11.16	36.02	-24.86
2404	HDT4	ePA	1	17.00	50.119	30.00	-13.00	1.50	18.50	36.02	-17.52
2440	HDT4	ePA	37	17.35	54.325	30.00	-12.65	1.50	18.85	36.02	-17.17
2476	HDT4	ePA	73	16.87	48.641	30.00	-13.13	1.50	18.37	36.02	-17.65
2404	HDT4	iPA	1	9.68	9.290	30.00	-20.32	1.50	11.18	36.02	-24.84
2440	HDT4	iPA	37	9.99	9.977	30.00	-20.01	1.50	11.49	36.02	-24.53
2476	HDT4	iPA	73	10.00	10.000	30.00	-20.00	1.50	11.50	36.02	-24.52
2404	HDT6	ePA	1	17.23	52.845	30.00	-12.77	1.50	18.73	36.02	-17.29
2440	HDT6	ePA	37	17.02	50.350	30.00	-12.98	1.50	18.52	36.02	-17.50
2476	HDT6	ePA	73	17.05	50.699	30.00	-12.95	1.50	18.55	36.02	-17.47
2404	HDT6	iPA	1	8.91	7.780	30.00	-21.09	1.50	10.41	36.02	-25.61
2440	HDT6	iPA	37	9.12	8.166	30.00	-20.88	1.50	10.62	36.02	-25.40
2476	HDT6	iPA	73	8.96	7.870	30.00	-21.04	1.50	10.46	36.02	-25.56

Table 7-6. Peak Conducted Output Power Measurements Antenna WF8 (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 61 of 222

Frequency [MHz]	Mode	Power Scheme	Channel No.	Peak Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	HDR4	ePA	1	16.36	43.251	30.00	-13.64	-0.30	16.06	36.02	-19.96
2441	HDR4	ePA	38	16.33	42.954	30.00	-13.67	-0.30	16.03	36.02	-19.99
2476	HDR4	ePA	73	16.28	42.462	30.00	-13.72	-0.30	15.98	36.02	-20.04
2404	HDR4	iPA	1	9.37	8.650	30.00	-20.63	-0.30	9.07	36.02	-26.95
2441	HDR4	iPA	38	9.34	8.590	30.00	-20.66	-0.30	9.04	36.02	-26.98
2476	HDR4	iPA	73	9.28	8.472	30.00	-20.72	-0.30	8.98	36.02	-27.04
2404	HDR8	ePA	1	16.32	42.855	30.00	-13.68	-0.30	16.02	36.02	-20.00
2441	HDR8	ePA	38	16.30	42.658	30.00	-13.70	-0.30	16.00	36.02	-20.02
2476	HDR8	ePA	73	16.31	42.756	30.00	-13.69	-0.30	16.01	36.02	-20.01
2404	HDR8	iPA	1	9.23	8.375	30.00	-20.77	-0.30	8.93	36.02	-27.09
2441	HDR8	iPA	38	9.23	8.375	30.00	-20.77	-0.30	8.93	36.02	-27.09
2476	HDR8	iPA	73	9.16	8.241	30.00	-20.84	-0.30	8.86	36.02	-27.16
2404	HDRPS2	ePA	1	16.74	47.206	30.00	-13.26	-0.30	16.44	36.02	-19.58
2441	HDRPS2	ePA	38	16.67	46.452	30.00	-13.33	-0.30	16.37	36.02	-19.65
2476	HDRPS2	ePA	73	17.09	51.168	30.00	-12.91	-0.30	16.79	36.02	-19.23
2404	HDRPS2	iPA	1	9.81	9.572	30.00	-20.19	-0.30	9.51	36.02	-26.51
2441	HDRPS2	iPA	38	9.84	9.638	30.00	-20.16	-0.30	9.54	36.02	-26.48
2476	HDRPS2	iPA	73	9.75	9.441	30.00	-20.25	-0.30	9.45	36.02	-26.57
2404	HDRPM4	ePA	1	16.61	45.814	30.00	-13.39	-0.30	16.31	36.02	-19.71
2441	HDRPM4	ePA	38	17.04	50.582	30.00	-12.96	-0.30	16.74	36.02	-19.28
2476	HDRPM4	ePA	73	17.03	50.466	30.00	-12.97	-0.30	16.73	36.02	-19.29
2404	HDRPM4	iPA	1	9.86	9.683	30.00	-20.14	-0.30	9.56	36.02	-26.46
2441	HDRPM4	iPA	38	9.63	9.183	30.00	-20.37	-0.30	9.33	36.02	-26.69
2476	HDRPM4	iPA	73	9.49	8.892	30.00	-20.51	-0.30	9.19	36.02	-26.83
2404	HDRPM12	ePA	1	17.33	54.075	30.00	-12.67	-0.30	17.03	36.02	-18.99
2441	HDRPM12	ePA	38	17.27	53.333	30.00	-12.73	-0.30	16.97	36.02	-19.05
2476	HDRPM12	ePA	73	17.18	52.240	30.00	-12.82	-0.30	16.88	36.02	-19.14
2404	HDRPM12	iPA	1	9.14	8.204	30.00	-20.86	-0.30	8.84	36.02	-27.18
2441	HDRPM12	iPA	38	9.07	8.072	30.00	-20.93	-0.30	8.77	36.02	-27.25
2476	HDRPM12	iPA	73	8.92	7.798	30.00	-21.08	-0.30	8.62	36.02	-27.40
2404	HDT2	ePA	1	16.92	49.204	30.00	-13.08	-0.30	16.62	36.02	-19.40
2440	HDT2	ePA	37	16.85	48.417	30.00	-13.15	-0.30	16.55	36.02	-19.47
2476	HDT2	ePA	73	16.77	47.534	30.00	-13.23	-0.30	16.47	36.02	-19.55
2404	HDT2	iPA	1	9.67	9.268	30.00	-20.33	-0.30	9.37	36.02	-26.65
2440	HDT2	iPA	37	9.63	9.183	30.00	-20.37	-0.30	9.33	36.02	-26.69
2476	HDT2	iPA	73	9.57	9.057	30.00	-20.43	-0.30	9.27	36.02	-26.75
2404	HDT4	ePA	1	17.05	50.699	30.00	-12.95	-0.30	16.75	36.02	-19.27
2440	HDT4	ePA	37	16.99	50.003	30.00	-13.01	-0.30	16.69	36.02	-19.33
2476	HDT4	ePA	73	16.89	48.865	30.00	-13.11	-0.30	16.59	36.02	-19.43
2404	HDT4	iPA	1	10.09	10.209	30.00	-19.91	-0.30	9.79	36.02	-26.23
2440	HDT4	iPA	37	10.00	10.000	30.00	-20.00	-0.30	9.70	36.02	-26.32
2476	HDT4	iPA	73	9.91	9.795	30.00	-20.09	-0.30	9.61	36.02	-26.41
2404	HDT6	ePA	1	17.22	52.723	30.00	-12.78	-0.30	16.92	36.02	-19.10
2440	HDT6	ePA	37	17.15	51.880	30.00	-12.85	-0.30	16.85	36.02	-19.17
2476	HDT6	ePA	73	17.07	50.933	30.00	-12.93	-0.30	16.77	36.02	-19.25
2404	HDT6	iPA	1	9.00	7.943	30.00	-21.00	-0.30	8.70	36.02	-27.32
2440	HDT6	iPA	37	9.00	7.943	30.00	-21.00	-0.30	8.70	36.02	-27.32
2476	HDT6	iPA	73	8.83	7.638	30.00	-21.17	-0.30	8.53	36.02	-27.49

Table 7-7. Peak Conducted Output Power Measurements Antenna WF7b (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459		 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Frequency [MHz]	Mode	Power Scheme	Channel No.	Peak Conducted Power						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	ERP Margin [dB]
				Antenna WF8		Antenna WF7b		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	16.31	42.756	16.39	43.551	19.36	86.298	30.00	-10.64	3.66	23.02	36.02	-13.00
2441	HDR4	ePA	38	16.19	41.591	16.34	43.053	19.28	84.723	30.00	-10.72	3.66	22.93	36.02	-13.09
2476	HDR4	ePA	73	16.21	41.783	16.28	42.462	19.26	84.333	30.00	-10.74	3.66	22.91	36.02	-13.11
2404	HDR4	iPA	1	9.53	8.974	9.54	8.995	12.55	17.989	30.00	-17.45	3.66	16.20	36.02	-19.82
2441	HDR4	iPA	38	9.30	8.511	9.41	8.730	12.37	17.258	30.00	-17.63	3.66	16.02	36.02	-20.00
2476	HDR4	iPA	73	9.45	8.810	9.31	8.531	12.39	17.338	30.00	-17.61	3.66	16.05	36.02	-19.97
2404	HDR8	ePA	1	16.32	42.855	16.34	43.053	19.34	85.901	30.00	-10.66	3.66	23.00	36.02	-13.02
2441	HDR8	ePA	38	16.17	41.400	16.30	42.658	19.25	84.140	30.00	-10.75	3.66	22.90	36.02	-13.12
2476	HDR8	ePA	73	16.20	41.687	16.28	42.462	19.25	84.140	30.00	-10.75	3.66	22.91	36.02	-13.11
2404	HDR8	iPA	1	9.42	8.750	10.03	10.069	12.75	18.636	30.00	-17.25	3.66	16.40	36.02	-19.62
2441	HDR8	iPA	38	10.09	10.209	10.23	10.544	13.17	20.749	30.00	-16.83	3.66	16.83	36.02	-19.19
2476	HDR8	iPA	73	9.77	9.484	10.18	10.423	12.99	19.907	30.00	-17.01	3.66	16.65	36.02	-19.37
2404	HDRPS2	ePA	1	16.69	46.666	16.72	46.989	19.72	93.756	30.00	-10.28	3.66	23.37	36.02	-12.65
2441	HDRPS2	ePA	38	17.08	51.050	16.67	46.452	19.89	97.499	30.00	-10.11	3.66	23.55	36.02	-12.47
2476	HDRPS2	ePA	73	16.61	45.814	16.60	45.709	19.62	91.622	30.00	-10.38	3.66	23.27	36.02	-12.75
2404	HDRPS2	iPA	1	9.90	9.772	9.94	9.863	12.93	19.634	30.00	-17.07	3.66	16.59	36.02	-19.43
2441	HDRPS2	iPA	38	9.70	9.333	9.91	9.795	12.82	19.143	30.00	-17.18	3.66	16.47	36.02	-19.55
2476	HDRPS2	iPA	73	9.86	9.683	9.76	9.462	12.82	19.143	30.00	-17.18	3.66	16.48	36.02	-19.54
2404	HDRPM4	ePA	1	17.00	50.119	16.59	45.604	19.81	95.719	30.00	-10.19	3.66	23.47	36.02	-12.55
2441	HDRPM4	ePA	38	16.96	49.659	16.54	45.082	19.77	94.842	30.00	-10.23	3.66	23.42	36.02	-12.60
2476	HDRPM4	ePA	73	17.05	50.699	17.02	50.350	20.05	101.158	30.00	-9.95	3.66	23.70	36.02	-12.32
2404	HDRPM4	iPA	1	9.27	8.453	9.62	9.162	12.46	17.620	30.00	-17.54	3.66	16.12	36.02	-19.90
2441	HDRPM4	iPA	38	9.88	9.727	9.70	9.333	12.80	19.055	30.00	-17.20	3.66	16.46	36.02	-19.56
2476	HDRPM4	iPA	73	9.92	9.817	9.77	9.484	12.86	19.320	30.00	-17.14	3.66	16.51	36.02	-19.51
2404	HDRPM12	ePA	1	17.23	52.845	17.32	53.951	20.29	106.905	30.00	-9.71	3.66	23.94	36.02	-12.08
2441	HDRPM12	ePA	38	16.98	49.888	17.27	53.333	20.14	103.276	30.00	-9.86	3.66	23.79	36.02	-12.23
2476	HDRPM12	ePA	73	17.03	50.466	17.17	52.119	20.11	102.565	30.00	-9.89	3.66	23.77	36.02	-12.25
2404	HDRPM12	iPA	1	8.62	7.278	9.21	8.337	11.94	15.631	30.00	-18.06	3.66	15.59	36.02	-20.43
2441	HDRPM12	iPA	38	9.19	8.299	9.08	8.091	12.15	16.406	30.00	-17.85	3.66	15.80	36.02	-20.22
2476	HDRPM12	iPA	73	9.12	8.166	8.94	7.834	12.04	15.996	30.00	-17.96	3.66	15.70	36.02	-20.32
2404	HDT2	ePA	1	16.81	47.973	16.91	49.091	19.87	97.051	30.00	-10.13	3.66	23.53	36.02	-12.49
2440	HDT2	ePA	37	16.68	46.559	16.84	48.306	19.77	94.842	30.00	-10.23	3.66	23.43	36.02	-12.59
2476	HDT2	ePA	73	16.79	47.753	16.77	47.534	19.79	95.280	30.00	-10.21	3.66	23.45	36.02	-12.57
2404	HDT2	iPA	1	9.88	9.727	9.58	9.078	12.74	18.793	30.00	-17.26	3.66	16.40	36.02	-19.62
2440	HDT2	iPA	37	9.57	9.057	9.55	9.016	12.57	18.072	30.00	-17.43	3.66	16.23	36.02	-19.79
2476	HDT2	iPA	73	9.54	8.995	9.41	8.730	12.49	17.742	30.00	-17.51	3.66	16.14	36.02	-19.88
2404	HDT4	ePA	1	16.94	49.431	17.04	50.582	20.00	100.000	30.00	-10.00	3.66	23.96	36.02	-12.36
2440	HDT4	ePA	37	17.35	54.325	16.97	49.774	20.17	103.992	30.00	-9.83	3.66	23.83	36.02	-12.19
2476	HDT4	ePA	73	16.92	49.204	16.89	48.865	19.92	98.175	30.00	-10.08	3.66	23.57	36.02	-12.45
2404	HDT4	iPA	1	10.42	11.015	9.93	9.840	13.19	20.845	30.00	-16.81	3.66	16.85	36.02	-19.17
2440	HDT4	iPA	37	9.87	9.705	9.90	9.772	12.90	19.498	30.00	-17.10	3.66	16.55	36.02	-19.47
2476	HDT4	iPA	73	9.81	9.572	9.74	9.419	12.79	19.011	30.00	-17.21	3.66	16.44	36.02	-19.58
2404	HDT6	ePA	1	17.15	51.880	17.22	52.723	20.20	104.713	30.00	-9.80	3.66	23.85	36.02	-12.17
2440	HDT6	ePA	37	17.02	50.350	17.15	51.880	20.10	102.329	30.00	-9.90	3.66	23.75	36.02	-12.27
2476	HDT6	ePA	73	17.13	51.842	17.06	50.816	20.11	102.565	30.00	-9.89	3.66	23.76	36.02	-12.26
2404	HDT6	iPA	1	8.88	7.727	9.07	8.072	11.99	15.812	30.00	-18.01	3.66	15.64	36.02	-20.38
2440	HDT6	iPA	37	9.10	8.128	9.01	7.962	12.07	16.106	30.00	-17.93	3.66	15.72	36.02	-20.30
2476	HDT6	iPA	73	8.99	7.925	8.83	7.638	11.92	15.560	30.00	-18.08	3.66	15.58	36.02	-20.44

Table 7-8. Peak Conducted Output Power Measurements TxBF (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 63 of 222

7.4.2 Average Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	HDR4	ePA	1	13.92	24.660	30.00	-16.08	1.50	15.42	36.02	-20.60
2441	HDR4	ePA	38	13.74	23.659	30.00	-16.26	1.50	15.24	36.02	-20.78
2476	HDR4	ePA	73	13.81	24.044	30.00	-16.19	1.50	15.31	36.02	-20.71
2404	HDR4	iPA	1	6.43	4.395	30.00	-23.57	1.50	7.93	36.02	-28.09
2441	HDR4	iPA	38	6.69	4.667	30.00	-23.31	1.50	8.19	36.02	-27.83
2476	HDR4	iPA	73	6.75	4.732	30.00	-23.25	1.50	8.25	36.02	-27.77
2404	HDR8	ePA	1	13.88	24.434	30.00	-16.12	1.50	15.38	36.02	-20.64
2441	HDR8	ePA	38	13.64	23.121	30.00	-16.36	1.50	15.14	36.02	-20.88
2476	HDR8	ePA	73	13.82	24.099	30.00	-16.18	1.50	15.32	36.02	-20.70
2404	HDR8	iPA	1	6.48	4.446	30.00	-23.52	1.50	7.98	36.02	-28.04
2441	HDR8	iPA	38	6.61	4.581	30.00	-23.39	1.50	8.11	36.02	-27.91
2476	HDR8	iPA	73	6.66	4.634	30.00	-23.34	1.50	8.16	36.02	-27.86
2404	HDRPS2	ePA	1	13.81	24.044	30.00	-16.19	1.50	15.31	36.02	-20.71
2441	HDRPS2	ePA	38	13.67	23.281	30.00	-16.33	1.50	15.17	36.02	-20.85
2476	HDRPS2	ePA	73	13.84	24.210	30.00	-16.16	1.50	15.34	36.02	-20.68
2404	HDRPS2	iPA	1	6.53	4.498	30.00	-23.47	1.50	8.03	36.02	-27.99
2441	HDRPS2	iPA	38	6.71	4.688	30.00	-23.29	1.50	8.21	36.02	-27.81
2476	HDRPS2	iPA	73	6.84	4.831	30.00	-23.16	1.50	8.34	36.02	-27.68
2404	HDRPM4	ePA	1	13.80	23.988	30.00	-16.20	1.50	15.30	36.02	-20.72
2441	HDRPM4	ePA	38	13.63	23.067	30.00	-16.37	1.50	15.13	36.02	-20.89
2476	HDRPM4	ePA	73	13.67	23.281	30.00	-16.33	1.50	15.17	36.02	-20.85
2404	HDRPM4	iPA	1	6.54	4.508	30.00	-23.46	1.50	8.04	36.02	-27.98
2441	HDRPM4	iPA	38	6.85	4.842	30.00	-23.15	1.50	8.35	36.02	-27.67
2476	HDRPM4	iPA	73	6.65	4.624	30.00	-23.35	1.50	8.15	36.02	-27.87
2404	HDRPM12	ePA	1	11.76	14.997	30.00	-18.24	1.50	13.26	36.02	-22.76
2441	HDRPM12	ePA	38	11.56	14.322	30.00	-18.44	1.50	13.06	36.02	-22.96
2476	HDRPM12	ePA	73	11.63	14.555	30.00	-18.37	1.50	13.13	36.02	-22.89
2404	HDRPM12	iPA	1	3.51	2.244	30.00	-26.49	1.50	5.01	36.02	-31.01
2441	HDRPM12	iPA	38	3.53	2.254	30.00	-26.47	1.50	5.03	36.02	-30.99
2476	HDRPM12	iPA	73	3.92	2.466	30.00	-26.08	1.50	5.42	36.02	-30.60
2404	HDT2	ePA	1	13.88	24.434	30.00	-16.12	1.50	15.38	36.02	-20.64
2440	HDT2	ePA	37	13.73	23.605	30.00	-16.27	1.50	15.23	36.02	-20.79
2476	HDT2	ePA	73	13.78	23.878	30.00	-16.22	1.50	15.28	36.02	-20.74
2404	HDT2	iPA	1	6.65	4.624	30.00	-23.35	1.50	8.15	36.02	-27.87
2440	HDT2	iPA	37	6.91	4.909	30.00	-23.09	1.50	8.41	36.02	-27.61
2476	HDT2	iPA	73	6.95	4.955	30.00	-23.05	1.50	8.45	36.02	-27.57
2404	HDT4	ePA	1	13.60	22.909	30.00	-16.40	1.50	15.10	36.02	-20.92
2440	HDT4	ePA	37	13.97	24.946	30.00	-16.03	1.50	15.47	36.02	-20.55
2476	HDT4	ePA	73	13.52	22.491	30.00	-16.48	1.50	15.02	36.02	-21.00
2404	HDT4	iPA	1	6.61	4.581	30.00	-23.39	1.50	8.11	36.02	-27.91
2440	HDT4	iPA	37	6.91	4.909	30.00	-23.09	1.50	8.41	36.02	-27.61
2476	HDT4	iPA	73	6.96	4.966	30.00	-23.04	1.50	8.46	36.02	-27.56
2404	HDT6	ePA	1	11.73	14.894	30.00	-18.27	1.50	13.23	36.02	-22.79
2440	HDT6	ePA	37	11.56	14.322	30.00	-18.44	1.50	13.06	36.02	-22.96
2476	HDT6	ePA	73	11.62	14.521	30.00	-18.38	1.50	13.12	36.02	-22.90
2404	HDT6	iPA	1	3.77	2.382	30.00	-26.23	1.50	5.27	36.02	-30.75
2440	HDT6	iPA	37	3.95	2.483	30.00	-26.05	1.50	5.45	36.02	-30.57
2476	HDT6	iPA	73	3.90	2.455	30.00	-26.10	1.50	5.40	36.02	-30.62

Table 7-9. Average Conducted Output Power Measurements Antenna WF8 (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 64 of 222

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Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]	Target [dBm]
				[dBm]	[mW]							
2404	HDR4	ePA	1	13.74	23.659	30.00	-16.26	-0.30	13.44	36.02	-22.58	14.00
2441	HDR4	ePA	38	13.65	23.174	30.00	-16.35	-0.30	13.35	36.02	-22.67	14.00
2476	HDR4	ePA	73	13.61	22.961	30.00	-16.39	-0.30	13.31	36.02	-22.71	14.00
2404	HDR4	iPA	1	6.47	4.436	30.00	-23.53	-0.30	6.17	36.02	-29.85	7.00
2441	HDR4	iPA	38	6.75	4.732	30.00	-23.25	-0.30	6.45	36.02	-29.57	7.00
2476	HDR4	iPA	73	6.67	4.645	30.00	-23.33	-0.30	6.37	36.02	-29.65	7.00
2404	HDR8	ePA	1	13.70	23.442	30.00	-16.30	-0.30	13.40	36.02	-22.62	14.00
2441	HDR8	ePA	38	13.67	23.281	30.00	-16.33	-0.30	13.37	36.02	-22.65	14.00
2476	HDR8	ePA	73	13.61	22.961	30.00	-16.39	-0.30	13.31	36.02	-22.71	14.00
2404	HDR8	iPA	1	6.58	4.550	30.00	-23.42	-0.30	6.28	36.02	-29.74	7.00
2441	HDR8	iPA	38	6.73	4.710	30.00	-23.27	-0.30	6.43	36.02	-29.59	7.00
2476	HDR8	iPA	73	6.54	4.508	30.00	-23.46	-0.30	6.24	36.02	-29.78	7.00
2404	HDRPS2	ePA	1	13.68	23.335	30.00	-16.32	-0.30	13.38	36.02	-22.64	14.00
2441	HDRPS2	ePA	38	13.64	23.121	30.00	-16.36	-0.30	13.34	36.02	-22.68	14.00
2476	HDRPS2	ePA	73	13.98	25.003	30.00	-16.02	-0.30	13.68	36.02	-22.34	14.00
2404	HDRPS2	iPA	1	6.68	4.656	30.00	-23.32	-0.30	6.38	36.02	-29.64	7.00
2441	HDRPS2	iPA	38	6.70	4.677	30.00	-23.30	-0.30	6.40	36.02	-29.62	7.00
2476	HDRPS2	iPA	73	6.82	4.808	30.00	-23.18	-0.30	6.52	36.02	-29.50	7.00
2404	HDRPM4	ePA	1	13.50	22.387	30.00	-16.50	-0.30	13.20	36.02	-22.82	14.00
2441	HDRPM4	ePA	38	13.97	24.946	30.00	-16.03	-0.30	13.67	36.02	-22.35	14.00
2476	HDRPM4	ePA	73	13.87	24.378	30.00	-16.13	-0.30	13.57	36.02	-22.45	14.00
2404	HDRPM4	iPA	1	6.91	4.909	30.00	-23.09	-0.30	6.61	36.02	-29.41	7.00
2441	HDRPM4	iPA	38	6.72	4.699	30.00	-23.28	-0.30	6.42	36.02	-29.60	7.00
2476	HDRPM4	iPA	73	6.47	4.436	30.00	-23.53	-0.30	6.17	36.02	-29.85	7.00
2404	HDRPM12	ePA	1	11.92	15.560	30.00	-18.08	-0.30	11.62	36.02	-24.40	12.00
2441	HDRPM12	ePA	38	11.89	15.453	30.00	-18.11	-0.30	11.59	36.02	-24.43	12.00
2476	HDRPM12	ePA	73	11.83	15.241	30.00	-18.17	-0.30	11.53	36.02	-24.49	12.00
2404	HDRPM12	iPA	1	3.77	2.382	30.00	-26.23	-0.30	3.47	36.02	-32.55	4.00
2441	HDRPM12	iPA	38	3.80	2.399	30.00	-26.20	-0.30	3.50	36.02	-32.52	4.00
2476	HDRPM12	iPA	73	3.67	2.328	30.00	-26.33	-0.30	3.37	36.02	-32.65	4.00
2404	HDT2	ePA	1	13.94	24.774	30.00	-16.06	-0.30	13.64	36.02	-22.38	14.00
2440	HDT2	ePA	37	13.90	24.547	30.00	-16.10	-0.30	13.60	36.02	-22.42	14.00
2476	HDT2	ePA	73	13.83	24.155	30.00	-16.17	-0.30	13.53	36.02	-22.49	14.00
2404	HDT2	iPA	1	6.74	4.721	30.00	-23.26	-0.30	6.44	36.02	-29.58	7.00
2440	HDT2	iPA	37	6.85	4.842	30.00	-23.15	-0.30	6.55	36.02	-29.47	7.00
2476	HDT2	iPA	73	6.78	4.764	30.00	-23.22	-0.30	6.48	36.02	-29.54	7.00
2404	HDT4	ePA	1	13.69	23.388	30.00	-16.31	-0.30	13.39	36.02	-22.63	14.00
2440	HDT4	ePA	37	13.65	23.174	30.00	-16.35	-0.30	13.35	36.02	-22.67	14.00
2476	HDT4	ePA	73	13.56	22.699	30.00	-16.44	-0.30	13.26	36.02	-22.76	14.00
2404	HDT4	iPA	1	6.86	4.853	30.00	-23.14	-0.30	6.56	36.02	-29.46	7.00
2440	HDT4	iPA	37	6.89	4.887	30.00	-23.11	-0.30	6.59	36.02	-29.43	7.00
2476	HDT4	iPA	73	6.79	4.775	30.00	-23.21	-0.30	6.49	36.02	-29.53	7.00
2404	HDT6	ePA	1	11.79	15.101	30.00	-18.21	-0.30	11.49	36.02	-24.53	12.00
2440	HDT6	ePA	37	11.75	14.962	30.00	-18.25	-0.30	11.45	36.02	-24.57	12.00
2476	HDT6	ePA	73	11.68	14.723	30.00	-18.32	-0.30	11.38	36.02	-24.64	12.00
2404	HDT6	iPA	1	3.71	2.350	30.00	-26.29	-0.30	3.41	36.02	-32.61	4.00
2440	HDT6	iPA	37	3.81	2.404	30.00	-26.19	-0.30	3.51	36.02	-32.51	4.00
2476	HDT6	iPA	73	3.64	2.312	30.00	-26.36	-0.30	3.34	36.02	-32.68	4.00

Table 7-10. Average Conducted Output Power Measurements Antenna WF7b (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Frequency [MHz]	Mode	Power Scheme	Channel No.	Average Conducted Power						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	ERP Margin [dB]
				Antenna WF8		Antenna WF7b		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	13.68	23.335	13.81	24.044	16.76	47.424	30.00	-13.24	3.66	20.41	36.02	-15.61
2441	HDR4	ePA	38	13.51	22.439	13.70	23.442	16.62	45.920	30.00	-13.38	3.66	20.27	36.02	-15.75
2476	HDR4	ePA	73	13.57	22.751	13.68	23.335	16.64	46.132	30.00	-13.36	3.66	20.29	36.02	-15.73
2404	HDR4	iPA	1	6.89	4.887	6.62	4.592	9.77	9.484	30.00	-20.23	3.66	13.42	36.02	-22.60
2441	HDR4	iPA	38	6.55	4.519	6.82	4.808	9.70	9.333	30.00	-20.30	3.66	13.35	36.02	-22.67
2476	HDR4	iPA	73	6.88	4.875	6.54	4.508	9.72	9.376	30.00	-20.28	3.66	13.38	36.02	-22.64
2404	HDR8	ePA	1	13.64	23.121	13.67	23.281	16.67	46.452	30.00	-13.33	3.66	20.32	36.02	-15.70
2441	HDR8	ePA	38	13.53	22.542	13.67	23.281	16.61	45.814	30.00	-13.39	3.66	20.27	36.02	-15.75
2476	HDR8	ePA	73	13.50	22.387	13.60	22.909	16.56	45.290	30.00	-13.44	3.66	20.22	36.02	-15.80
2404	HDR8	iPA	1	6.08	4.055	6.58	4.550	9.35	8.610	30.00	-20.65	3.66	13.00	36.02	-23.02
2441	HDR8	iPA	38	6.62	4.592	6.77	4.753	9.71	9.354	30.00	-20.29	3.66	13.36	36.02	-22.66
2476	HDR8	iPA	73	6.47	4.436	6.68	4.656	9.59	9.099	30.00	-20.41	3.66	13.24	36.02	-22.78
2404	HDRPS2	ePA	1	13.44	22.080	13.60	22.909	16.53	44.978	30.00	-13.47	3.66	20.19	36.02	-15.83
2441	HDRPS2	ePA	38	13.97	24.946	13.49	22.336	16.75	47.315	30.00	-13.25	3.66	20.40	36.02	-15.62
2476	HDRPS2	ePA	73	13.56	22.699	13.59	22.856	16.59	45.604	30.00	-13.41	3.66	20.24	36.02	-15.78
2404	HDRPS2	iPA	1	6.94	4.943	6.66	4.634	9.81	9.572	30.00	-20.19	3.66	13.47	36.02	-22.55
2441	HDRPS2	iPA	38	6.64	4.613	6.86	4.853	9.76	9.462	30.00	-20.24	3.66	13.42	36.02	-22.60
2476	HDRPS2	iPA	73	6.97	4.977	6.74	4.721	9.87	9.705	30.00	-20.13	3.66	13.52	36.02	-22.50
2404	HDRPM4	ePA	1	13.96	24.889	13.56	22.699	16.77	47.534	30.00	-13.23	3.66	20.43	36.02	-15.59
2441	HDRPM4	ePA	38	13.90	24.547	13.57	22.751	16.75	47.315	30.00	-13.25	3.66	20.41	36.02	-15.62
2476	HDRPM4	ePA	73	13.96	24.889	13.87	24.378	16.93	49.317	30.00	-13.07	3.66	20.58	36.02	-15.44
2404	HDRPM4	iPA	1	6.52	4.487	6.65	4.624	9.60	9.120	30.00	-20.40	3.66	13.25	36.02	-22.77
2441	HDRPM4	iPA	38	6.95	4.955	6.76	4.742	9.87	9.705	30.00	-20.13	3.66	13.52	36.02	-22.50
2476	HDRPM4	iPA	73	6.91	4.909	6.73	4.710	9.83	9.616	30.00	-20.17	3.66	13.49	36.02	-22.53
2404	HDRPM12	ePA	1	11.78	15.066	11.94	15.631	14.87	30.690	30.00	-15.13	3.66	18.53	36.02	-17.49
2441	HDRPM12	ePA	38	11.57	14.355	11.89	15.453	14.74	29.785	30.00	-15.26	3.66	18.40	36.02	-17.62
2476	HDRPM12	ePA	73	11.66	14.655	11.85	15.311	14.77	29.992	30.00	-15.23	3.66	18.42	36.02	-17.60
2404	HDRPM12	iPA	1	3.49	2.234	3.86	2.432	6.69	4.667	30.00	-23.31	3.66	10.35	36.02	-25.67
2441	HDRPM12	iPA	38	3.97	2.495	3.83	2.415	6.91	4.909	30.00	-23.09	3.66	10.57	36.02	-25.45
2476	HDRPM12	iPA	73	3.86	2.432	3.70	2.344	6.79	4.775	30.00	-23.21	3.66	10.45	36.02	-25.57
2404	HDT2	ePA	1	13.82	24.099	13.94	24.774	16.89	48.865	30.00	-13.11	3.66	20.55	36.02	-15.47
2440	HDT2	ePA	37	13.72	23.550	13.91	24.604	16.83	48.195	30.00	-13.17	3.66	20.48	36.02	-15.54
2476	HDT2	ePA	73	13.85	24.266	13.84	24.210	16.86	48.529	30.00	-13.14	3.66	20.51	36.02	-15.51
2404	HDT2	iPA	1	6.90	4.898	6.67	4.645	9.80	9.550	30.00	-20.20	3.66	13.45	36.02	-22.57
2440	HDT2	iPA	37	6.78	4.764	6.73	4.710	9.77	9.484	30.00	-20.23	3.66	13.42	36.02	-22.60
2476	HDT2	iPA	73	6.80	4.786	6.58	4.550	9.70	9.333	30.00	-20.30	3.66	13.36	36.02	-22.66
2404	HDT4	ePA	1	13.56	22.699	13.67	23.281	16.63	46.026	30.00	-13.37	3.66	20.28	36.02	-15.74
2440	HDT4	ePA	37	13.96	24.889	13.63	23.067	16.81	47.973	30.00	-13.19	3.66	20.47	36.02	-15.56
2476	HDT4	ePA	73	13.57	22.751	13.56	22.699	16.58	45.499	30.00	-13.42	3.66	20.23	36.02	-15.79
2404	HDT4	iPA	1	6.88	4.875	6.73	4.710	9.82	9.594	30.00	-20.18	3.66	13.47	36.02	-22.55
2440	HDT4	iPA	37	6.78	4.764	6.74	4.721	9.77	9.484	30.00	-20.23	3.66	13.43	36.02	-22.59
2476	HDT4	iPA	73	6.78	4.764	6.56	4.529	9.68	9.290	30.00	-20.32	3.66	13.34	36.02	-22.68
2404	HDT6	ePA	1	11.65	14.622	11.77	15.031	14.72	29.648	30.00	-15.28	3.66	18.38	36.02	-17.64
2440	HDT6	ePA	37	11.56	14.322	11.74	14.928	14.66	29.242	30.00	-15.34	3.66	18.32	36.02	-17.70
2476	HDT6	ePA	73	11.69	14.757	11.67	14.689	14.69	29.444	30.00	-15.31	3.66	18.35	36.02	-17.67
2404	HDT6	iPA	1	3.80	2.399	3.78	2.388	6.80	4.786	30.00	-23.20	3.66	10.46	36.02	-25.56
2440	HDT6	iPA	37	3.99	2.506	3.81	2.404	6.91	4.909	30.00	-23.09	3.66	10.57	36.02	-25.45
2476	HDT6	iPA	73	3.93	2.472	3.62	2.301	6.79	4.775	30.00	-23.21	3.66	10.44	36.02	-25.58

Table 7-11. Average Conducted Output Power Measurements TxBF (Bluetooth HDR)

FCC ID: BCGA3459 IC: 579C-A3459			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Note:

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 662911 D01 v02r01 Section E)1), the conducted powers at Antenna WF8 and Antenna WF7b were first measured separately during TxBF transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 Subclause 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

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

Sample TxBF Calculation:

At 2404MHz the average conducted output power was measured to be 13.68 dBm for Antenna WF8 and 13.81 dBm for Antenna WF7b.

$$\text{Antenna WF8} + \text{Antenna WF7b} = \text{TxBF}$$

$$(13.68 \text{ dBm} + 13.81 \text{ dBm}) = (23.335 \text{ mW} + 24.044 \text{ mW}) = 47.424 \text{ mW} = 16.76 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 2404MHz, the average conducted output power was calculated to be 16.76 dBm with antenna gain of 3.66 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$16.76 \text{ dBm} + 3.66 \text{ dBi} = 20.42 \text{ dBm}$$

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7.5 Power Spectral Density

§15.247(e); RSS-247 [6.3.1(b)]

Test Overview and Limit

The peak power density is 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.

The maximum permissible power spectral density is 8 dBm in any 3 kHz band.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 11.10.2 Method PKPSD KDB 558074 D01 v05r02 – Section 8.4 DTS Maximum Power Spectral Density level in the fundamental emission
ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.5.2.2 Measure-and-Sum Technique
KDB 662911 D01 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the DTS channel under investigation
2. Span = 1.5 times the DTS channel bandwidth
3. RBW = 3kHz
4. VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

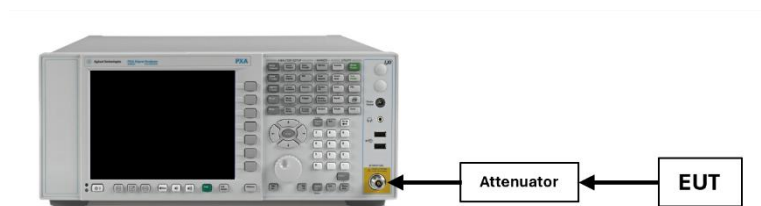


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

None

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7.5.1 Antenna WF8

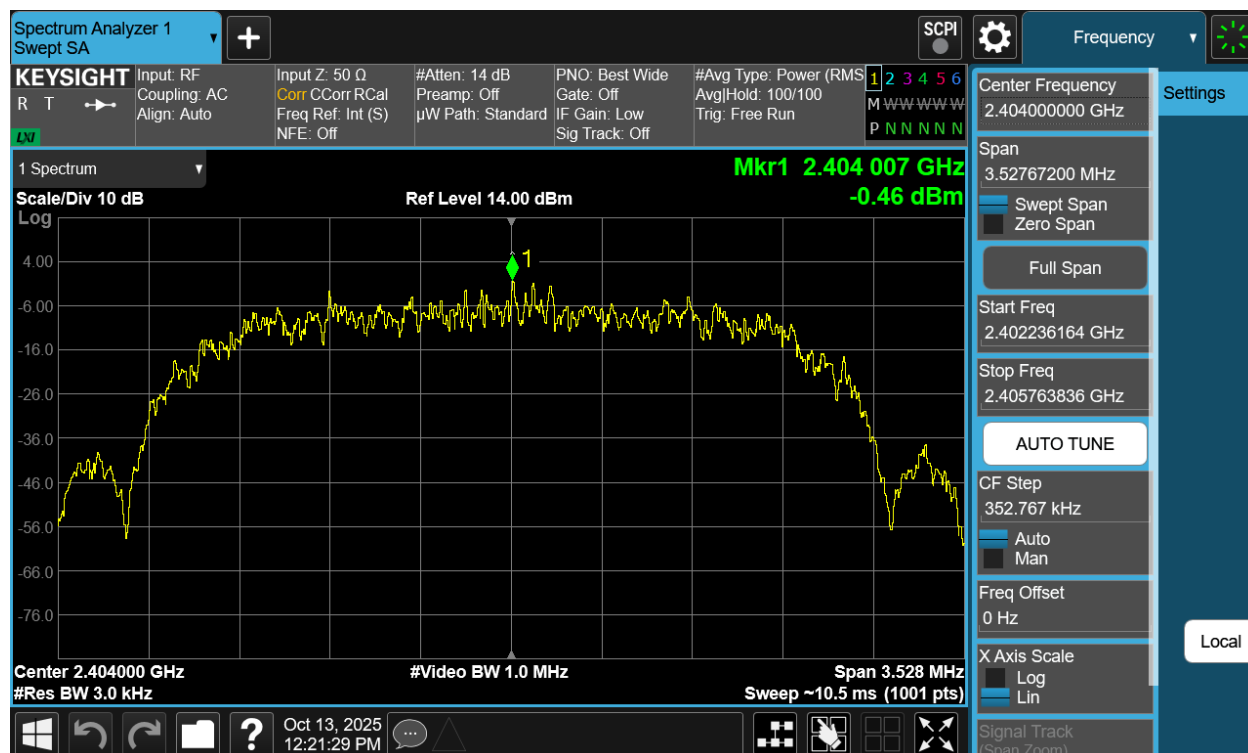
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-0.46	8.0	-8.46
2441	HDR4	ePA	38	-0.70	8.0	-8.70
2476	HDR4	ePA	73	-0.54	8.0	-8.54
2404	HDR4	iPA	1	-7.78	8.0	-15.78
2441	HDR4	iPA	38	-7.82	8.0	-15.82
2476	HDR4	iPA	73	-7.81	8.0	-15.81
2404	HDR8	ePA	1	-2.28	8.0	-10.28
2441	HDR8	ePA	38	-2.40	8.0	-10.40
2476	HDR8	ePA	73	-2.25	8.0	-10.25
2404	HDR8	iPA	1	-9.50	8.0	-17.50
2441	HDR8	iPA	38	-9.48	8.0	-17.48
2476	HDR8	iPA	73	-9.52	8.0	-17.52
2404	HDRPS2	ePA	1	-3.08	8.0	-11.08
2441	HDRPS2	ePA	38	-2.99	8.0	-10.99
2476	HDRPS2	ePA	73	-2.98	8.0	-10.98
2404	HDRPS2	iPA	1	-10.02	8.0	-18.02
2441	HDRPS2	iPA	38	-9.95	8.0	-17.95
2476	HDRPS2	iPA	73	-9.94	8.0	-17.94
2404	XHDRPM6	ePA	1	-7.30	8.0	-15.30
2441	XHDRPM6	ePA	38	-6.92	8.0	-14.92
2476	XHDRPM6	ePA	73	-6.77	8.0	-14.77
2404	XHDRPM6	iPA	1	-14.18	8.0	-22.18
2441	XHDRPM6	iPA	38	-14.46	8.0	-22.46
2476	XHDRPM6	iPA	73	-14.37	8.0	-22.37
2404	HDRPM16	ePA	1	-7.79	8.0	-15.79
2441	HDRPM16	ePA	38	-7.39	8.0	-15.39
2476	HDRPM16	ePA	73	-7.86	8.0	-15.86
2404	HDRPM16	iPA	1	-15.82	8.0	-23.82
2441	HDRPM16	iPA	38	-15.71	8.0	-23.71
2476	HDRPM16	iPA	73	-15.74	8.0	-23.74
2404	HDT2	ePA	1	-5.52	8.0	-13.52
2440	HDT2	ePA	37	-5.65	8.0	-13.65
2476	HDT2	ePA	73	-5.50	8.0	-13.50
2404	HDT2	iPA	1	-12.74	8.0	-20.74
2440	HDT2	iPA	37	-12.59	8.0	-20.59
2476	HDT2	iPA	73	-12.67	8.0	-20.67

Table 7-12. Conducted Power Density Measurements Antenna WF8

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-73. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)



Plot 7-74. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

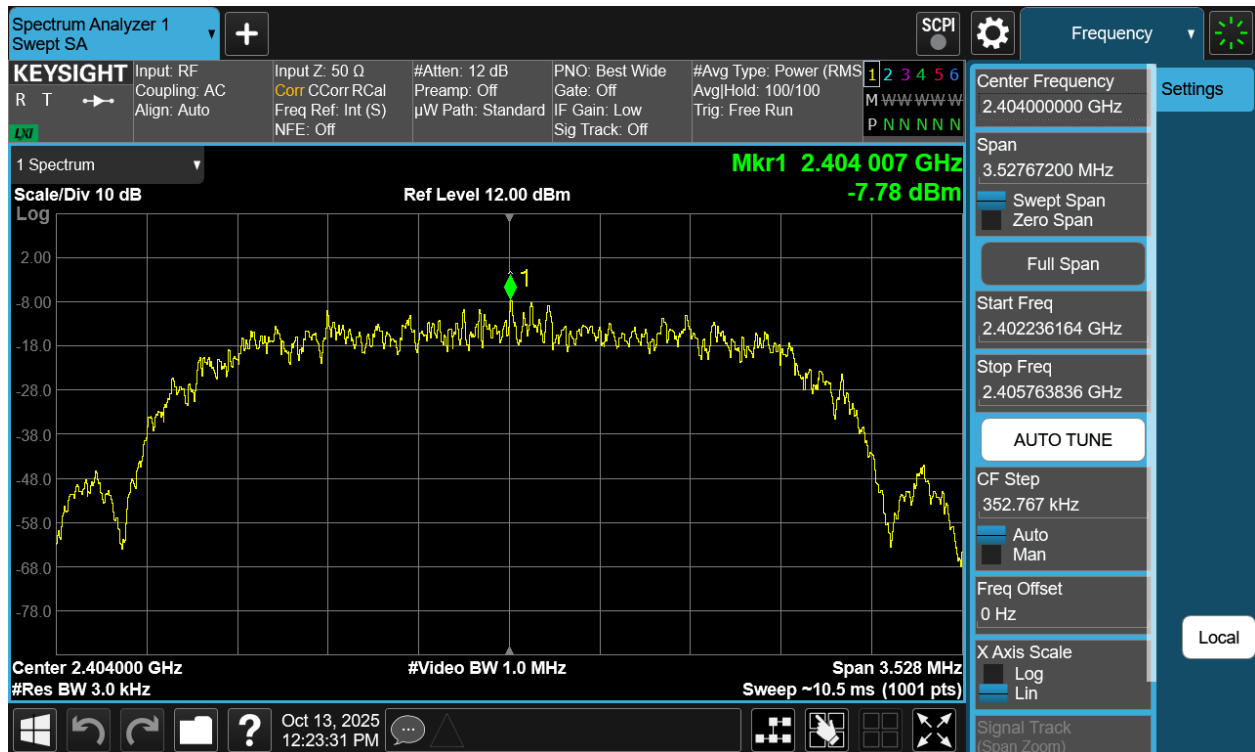
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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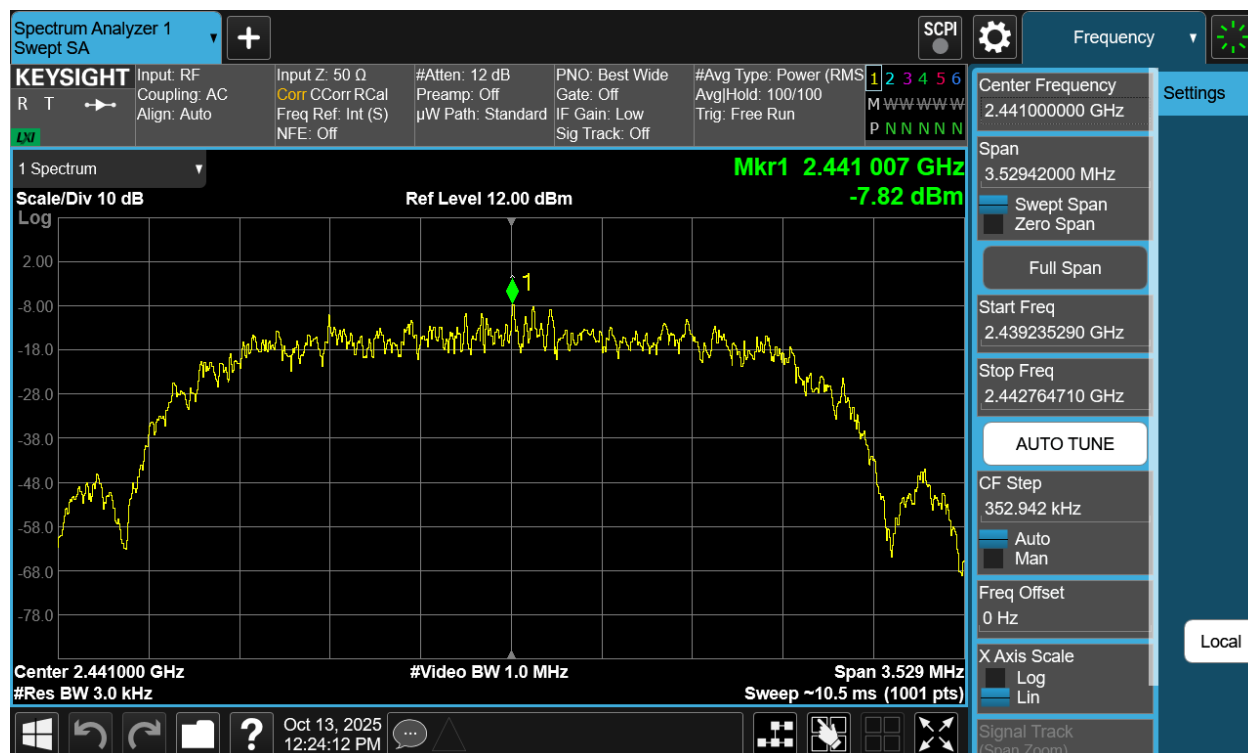


Plot 7-75. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

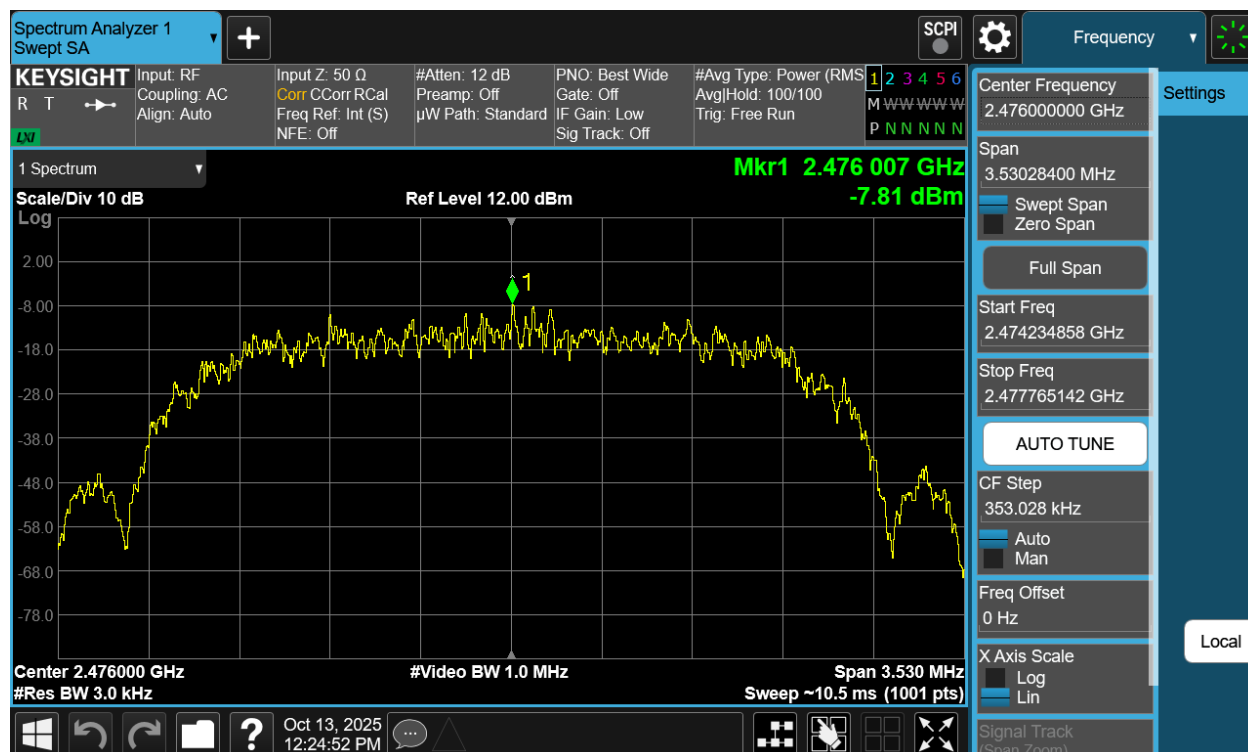


Plot 7-76. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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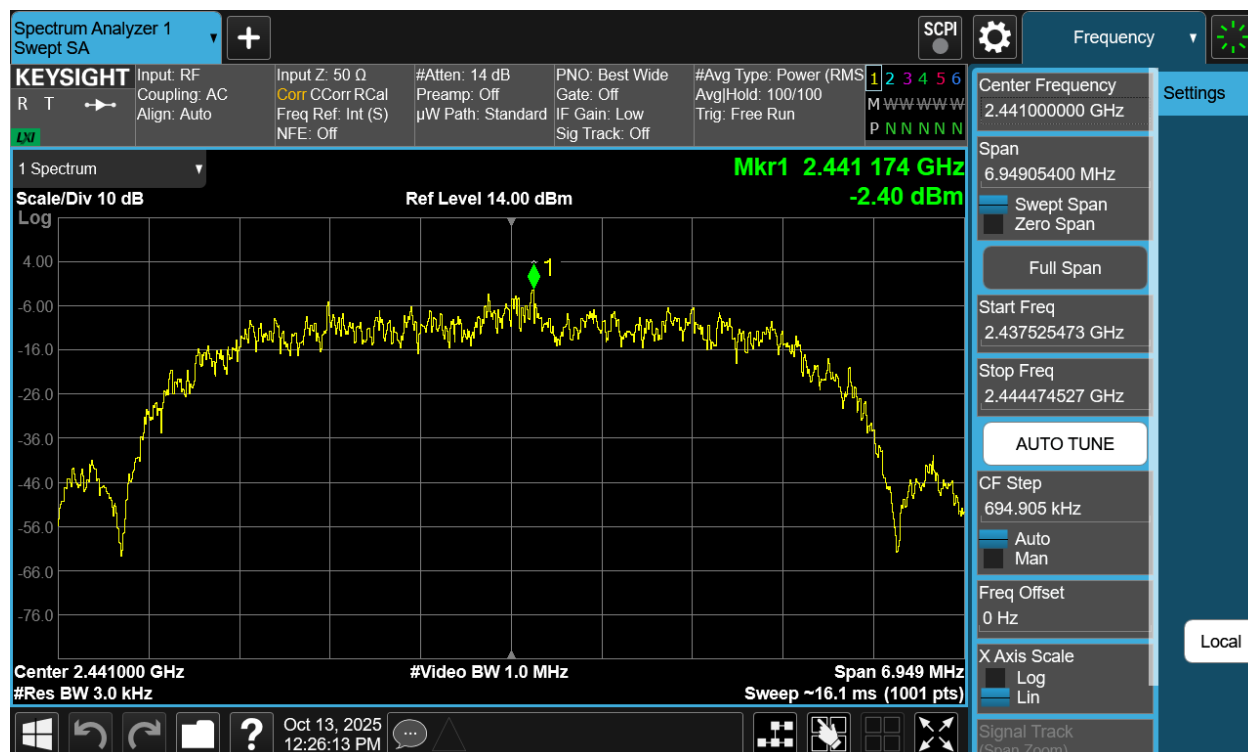
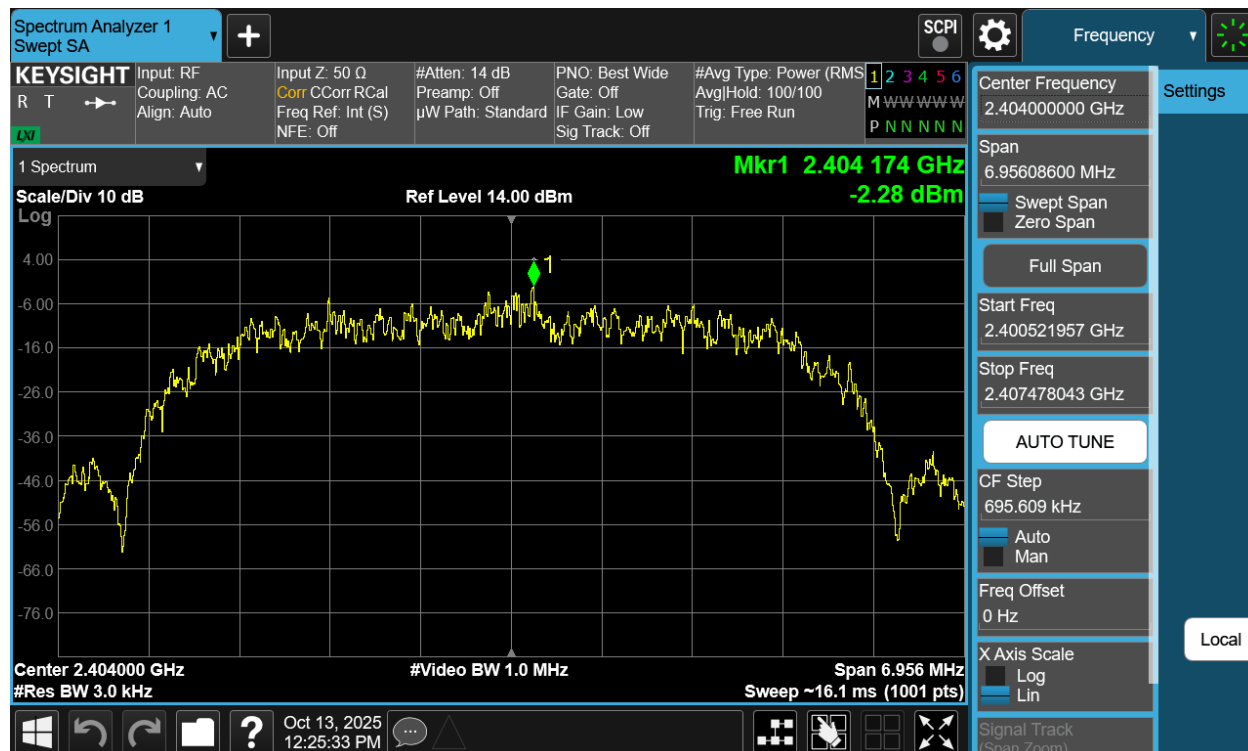


Plot 7-77. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)

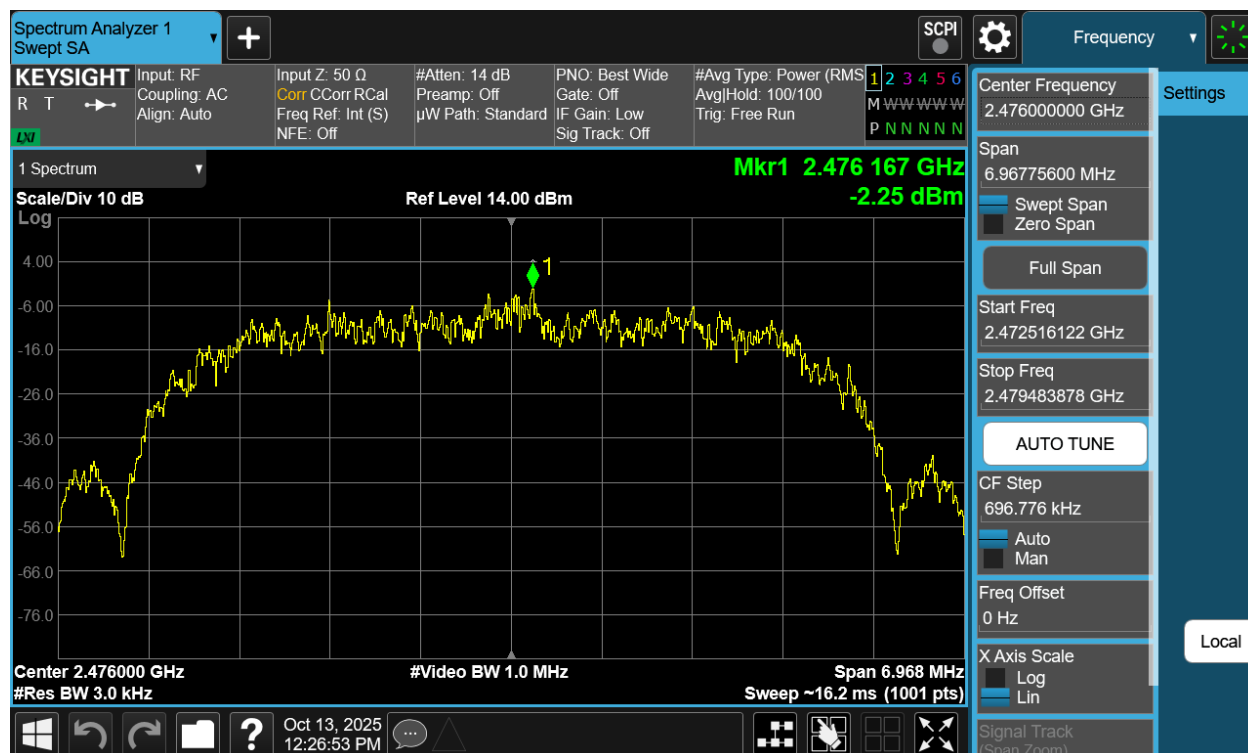


Plot 7-78. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

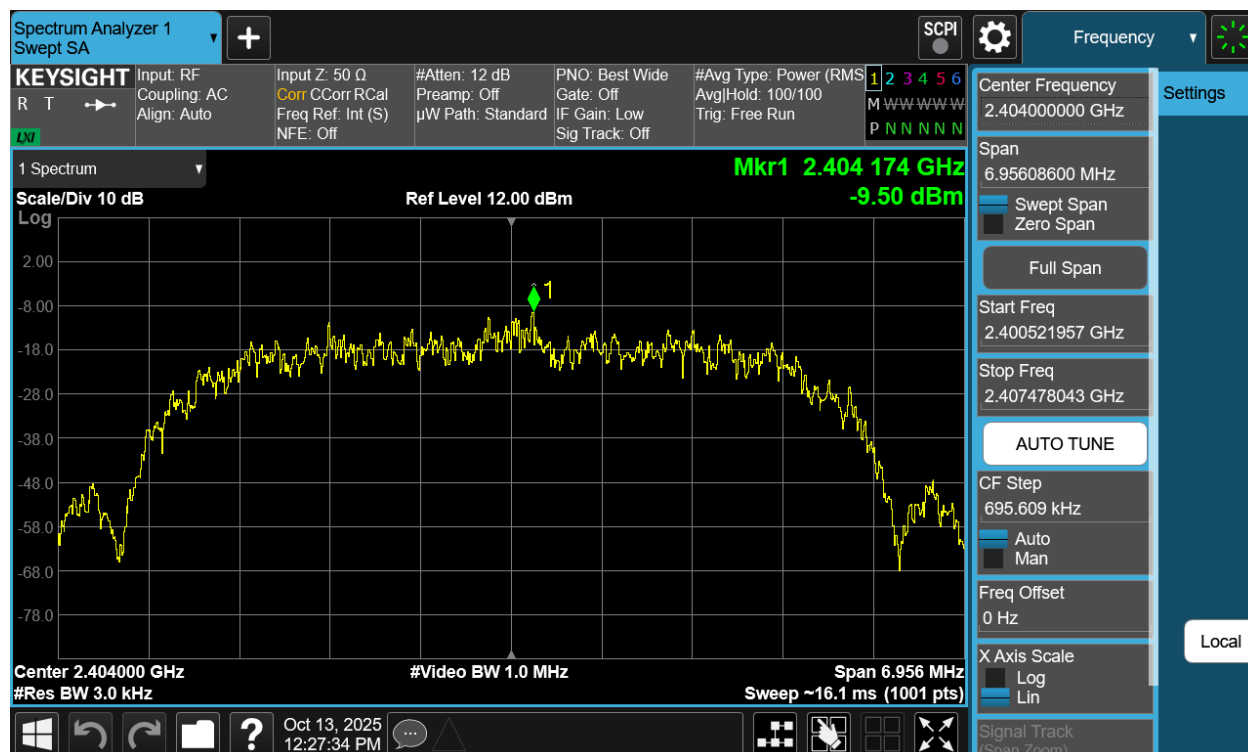
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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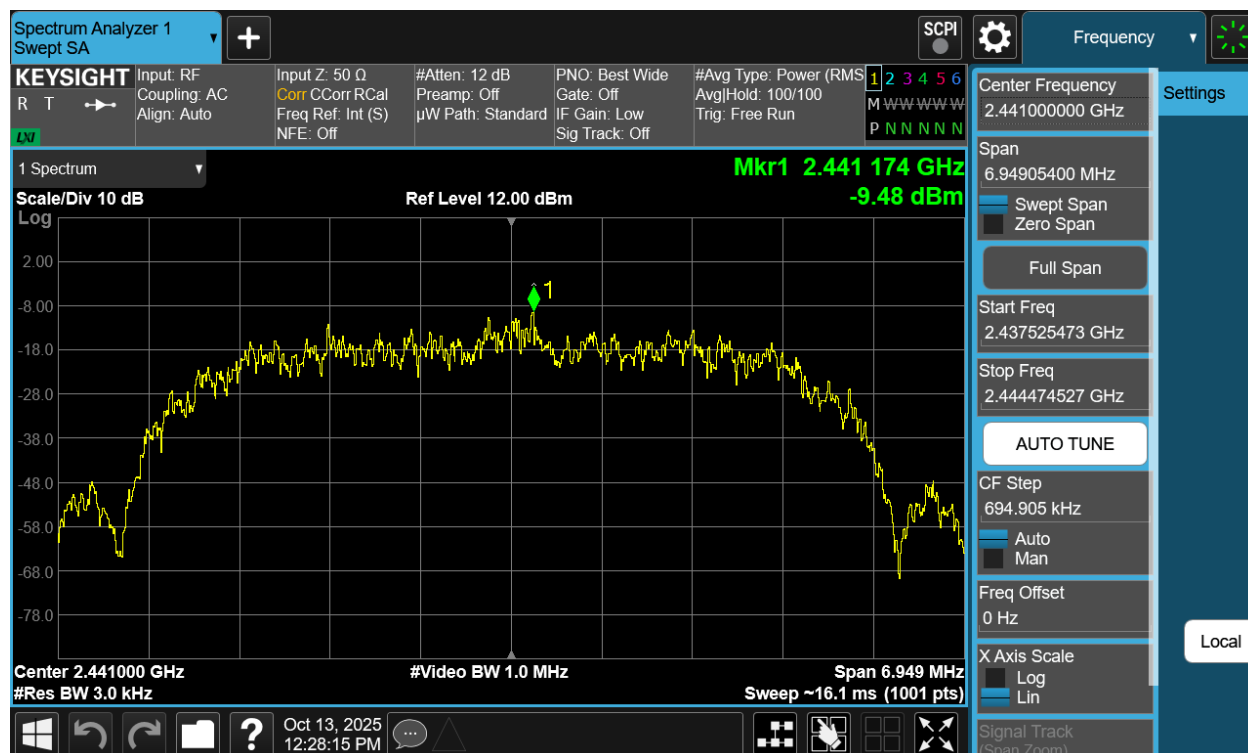


Plot 7-81. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

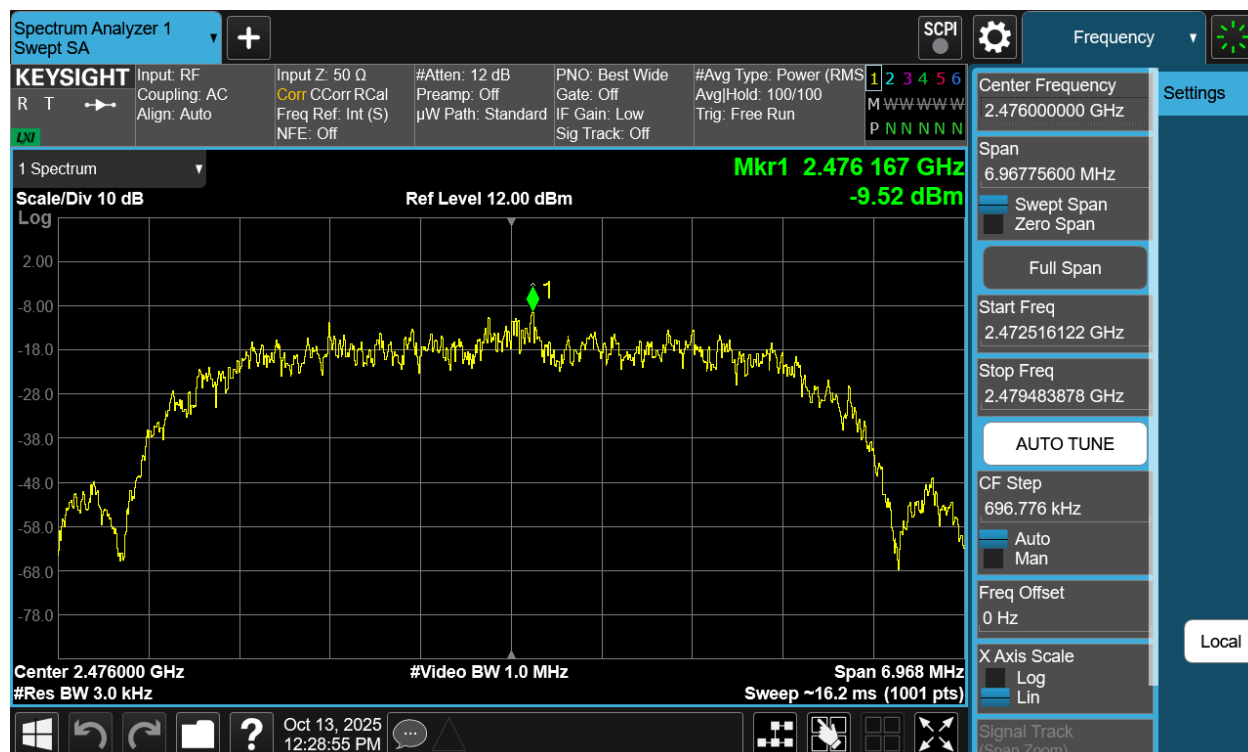


Plot 7-82. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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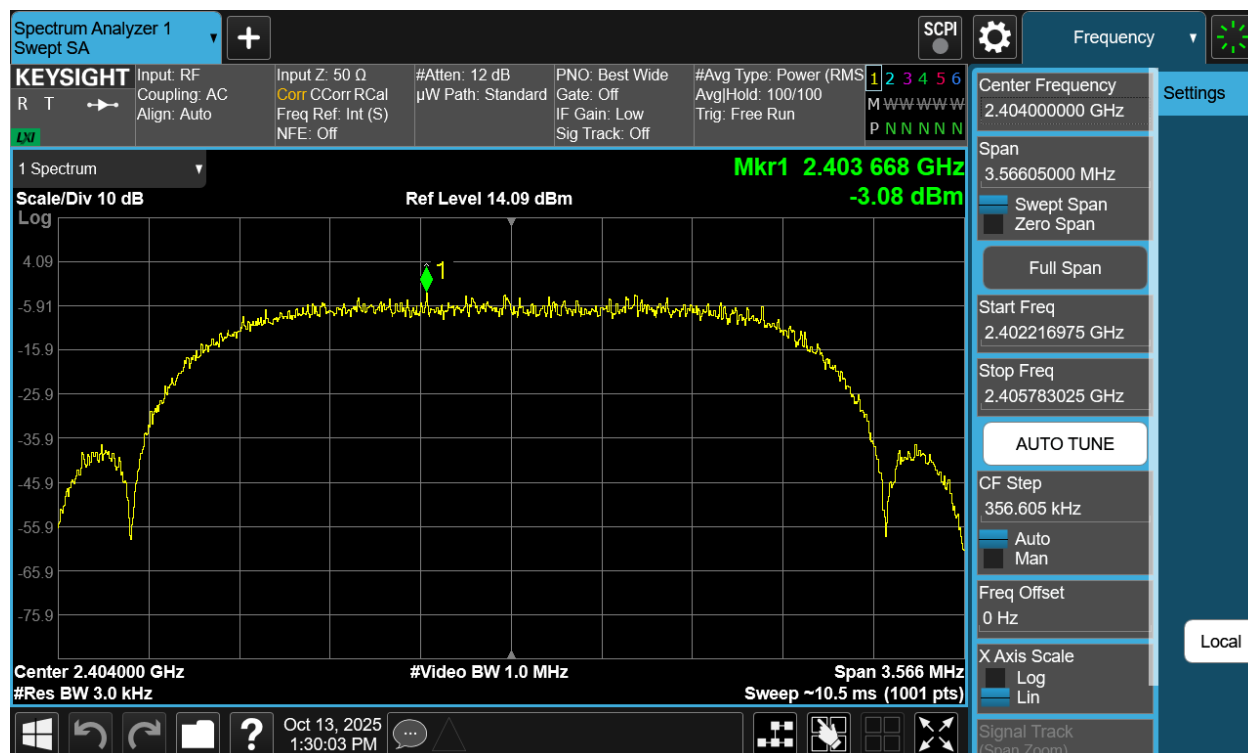


Plot 7-83. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 38)

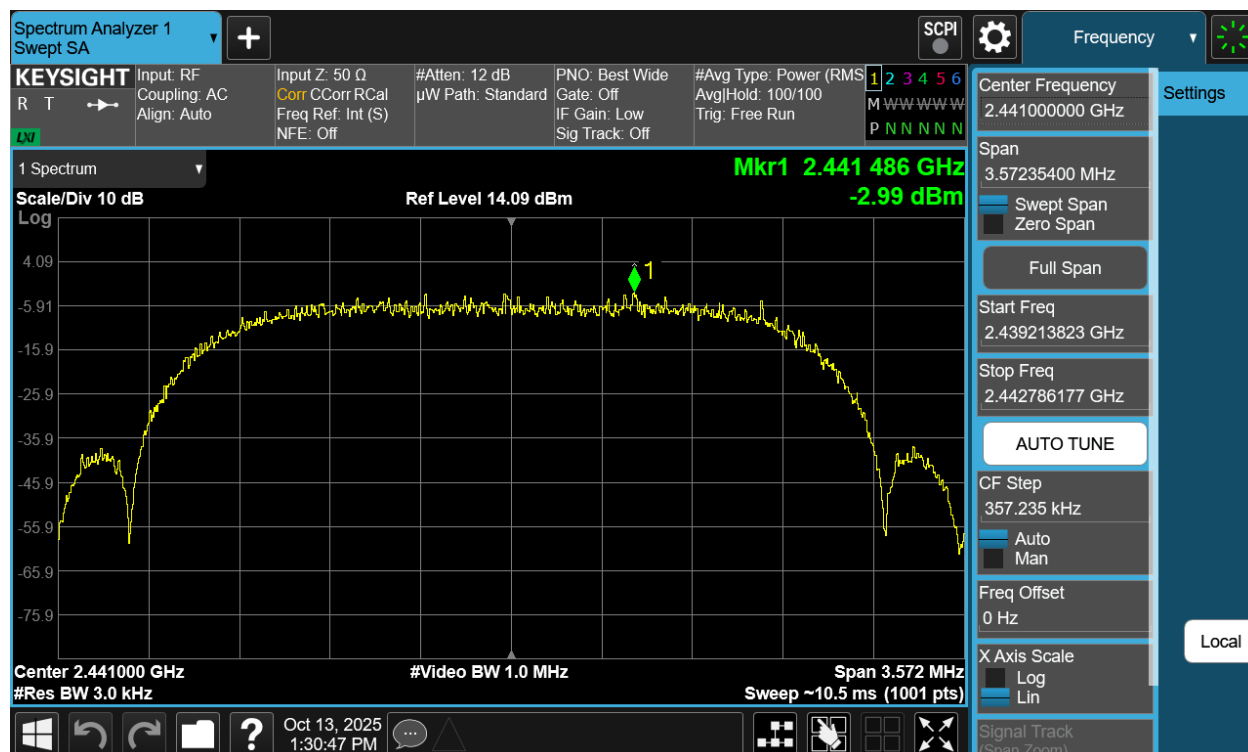


Plot 7-84. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-85. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 1)

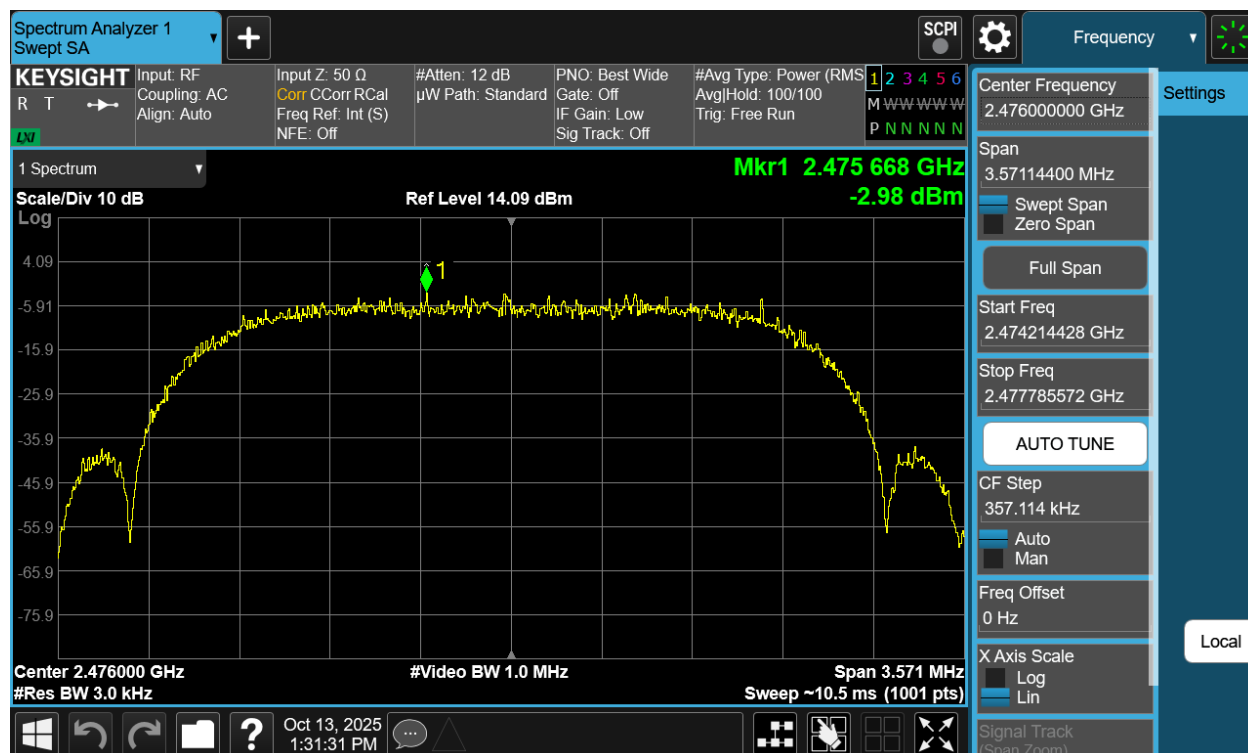


Plot 7-86. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 38)

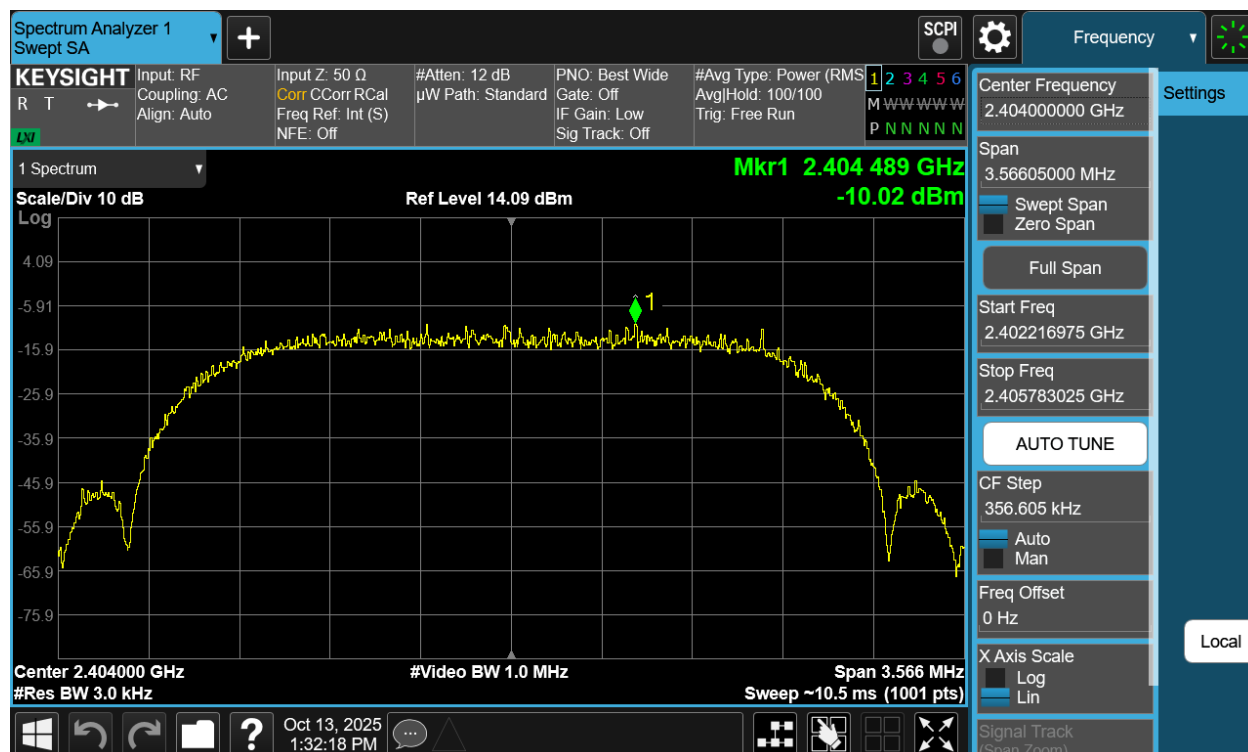
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 76 of 222

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Plot 7-87. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

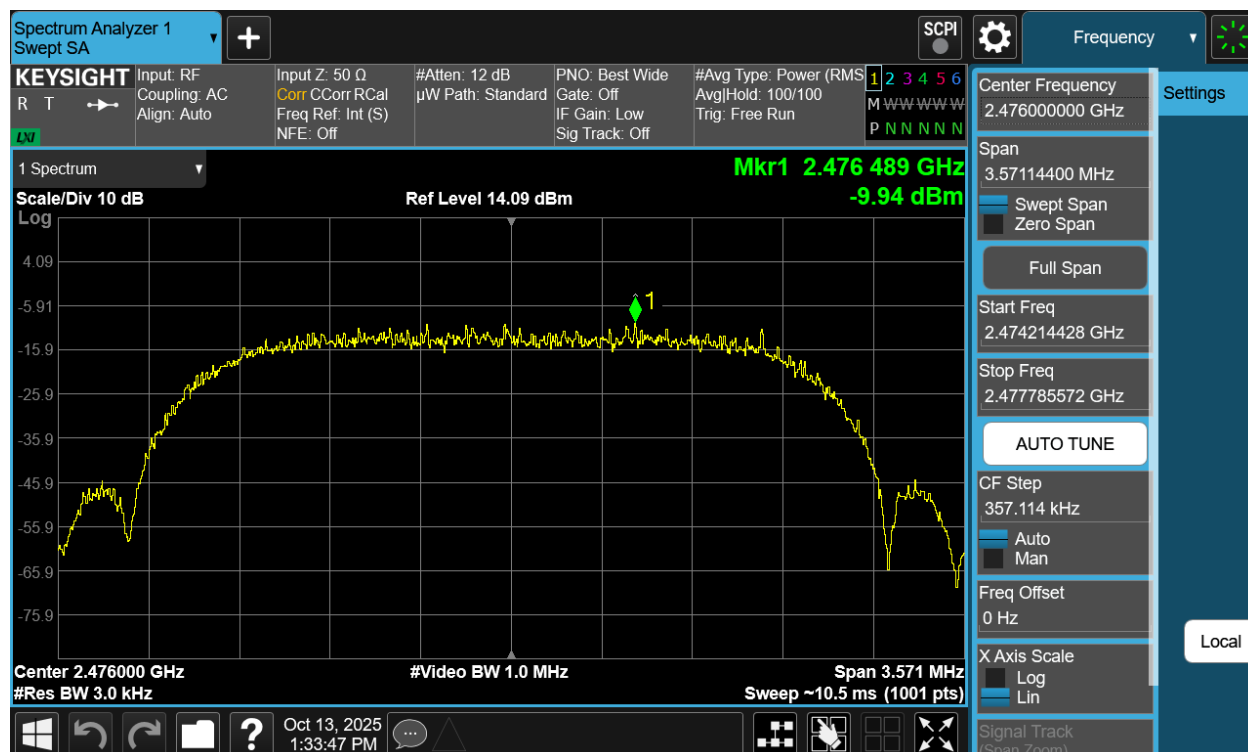
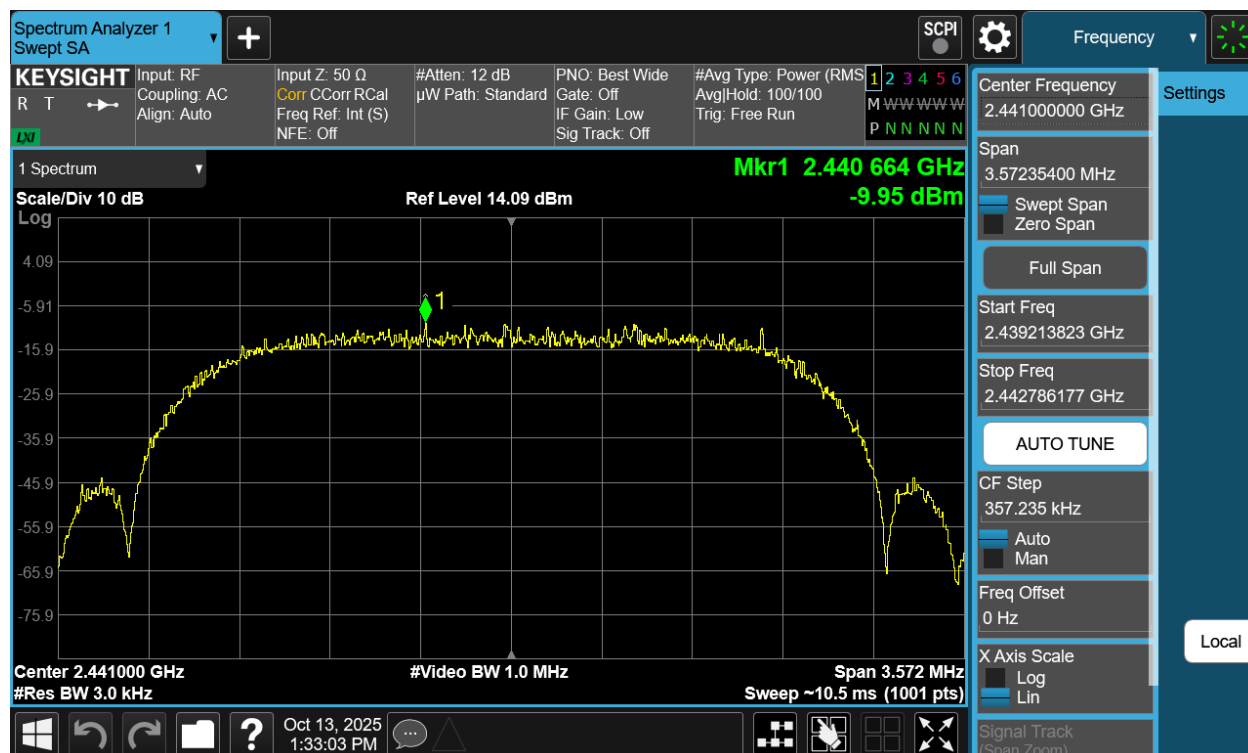


Plot 7-88. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 1)

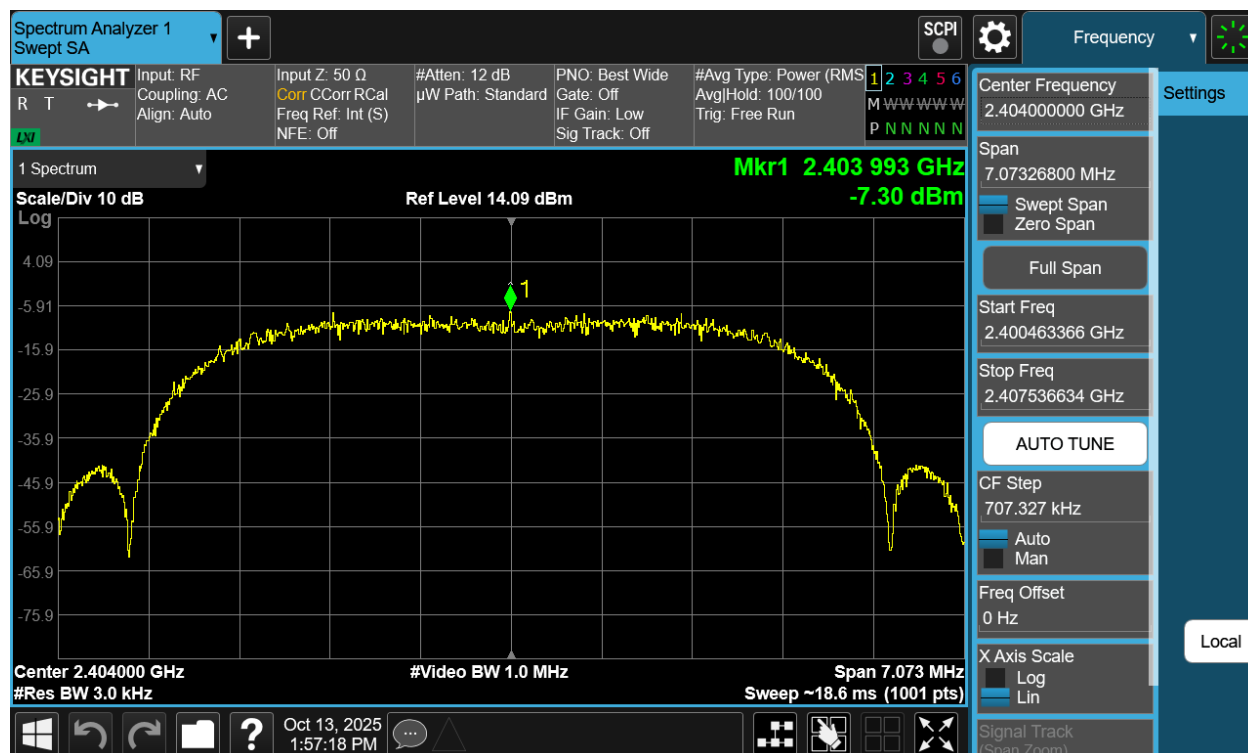
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 77 of 222

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Plot 7-91. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

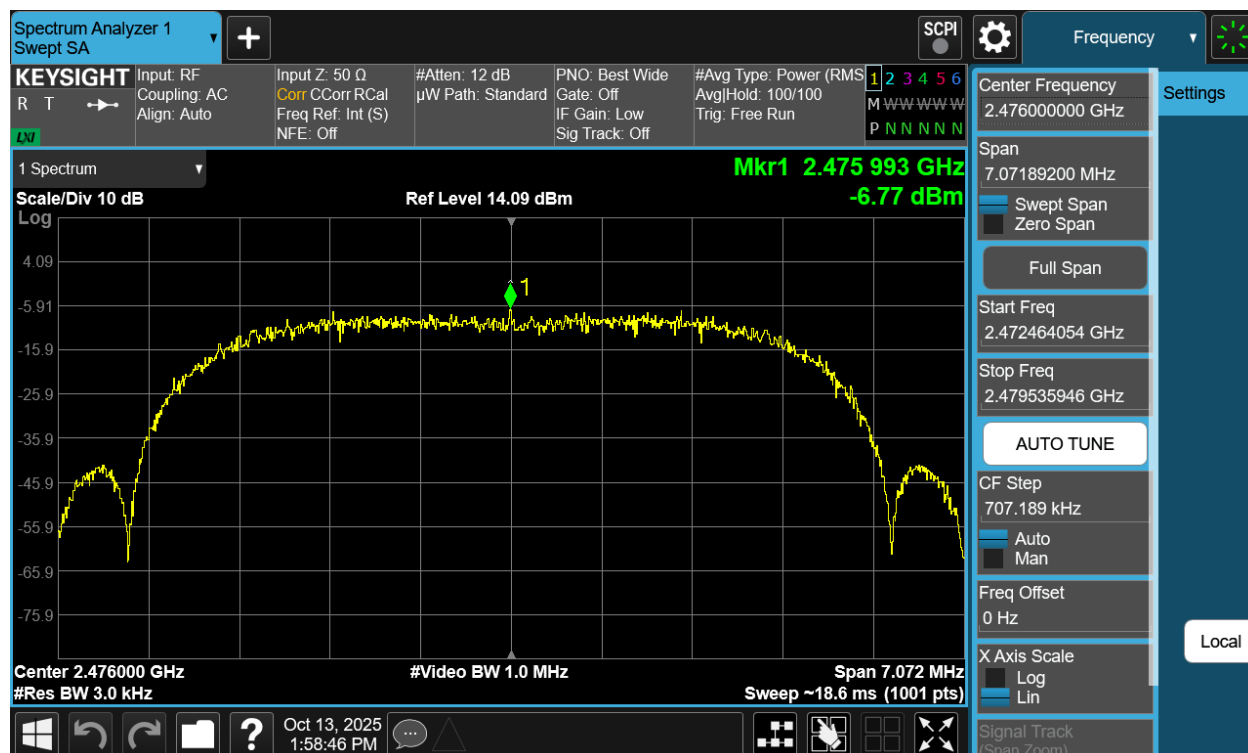


Plot 7-92. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-93. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

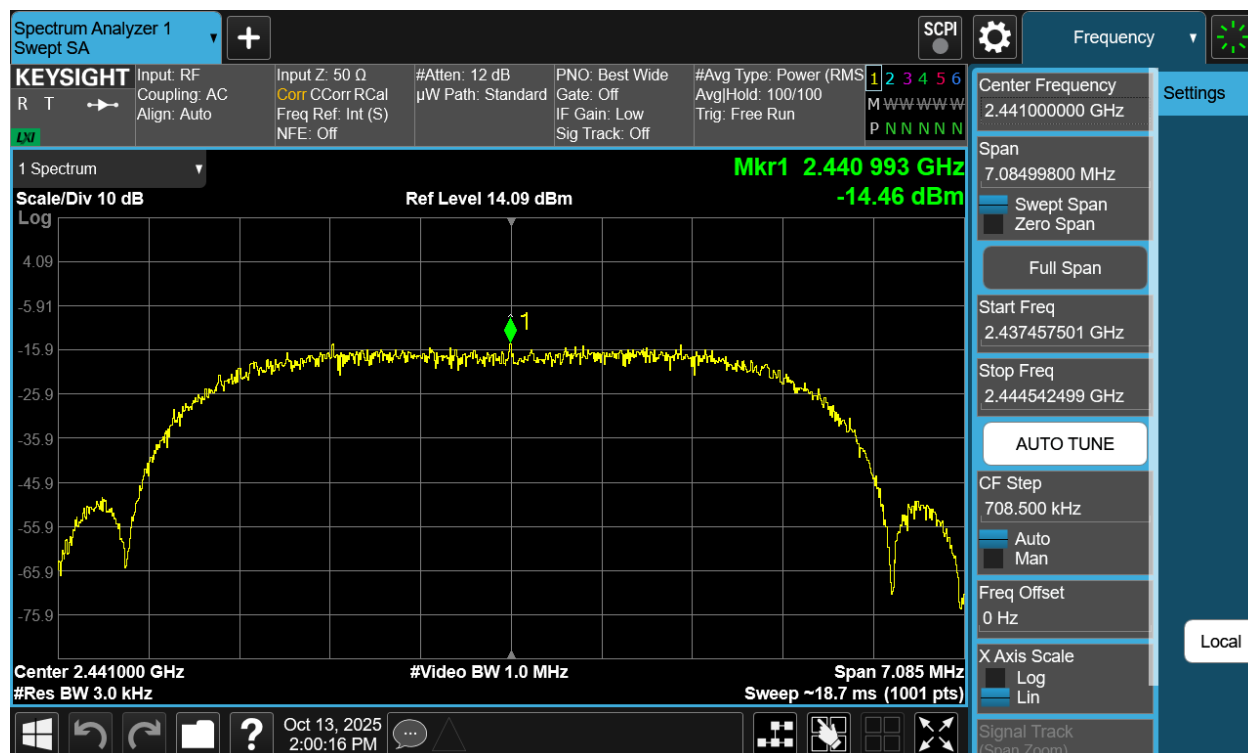


Plot 7-94. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-95. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 38)

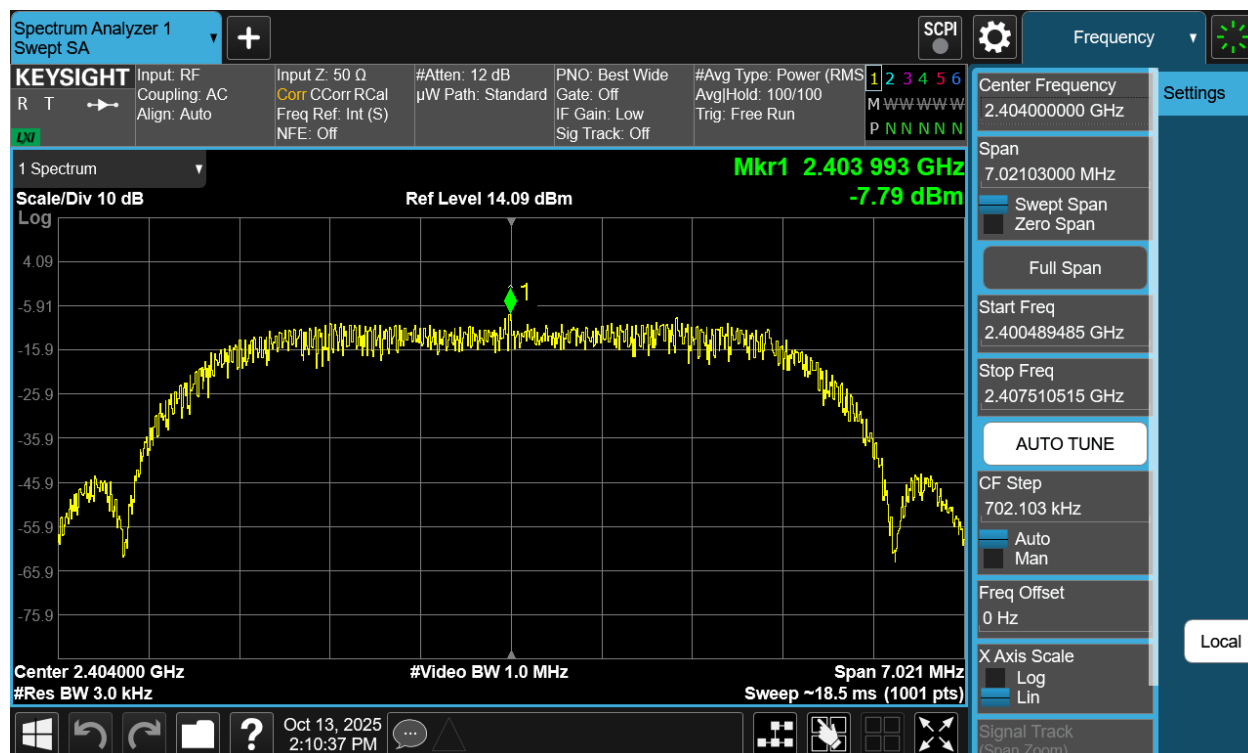


Plot 7-96. Power Spectral Density Plot Antenna WF8 (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 73)

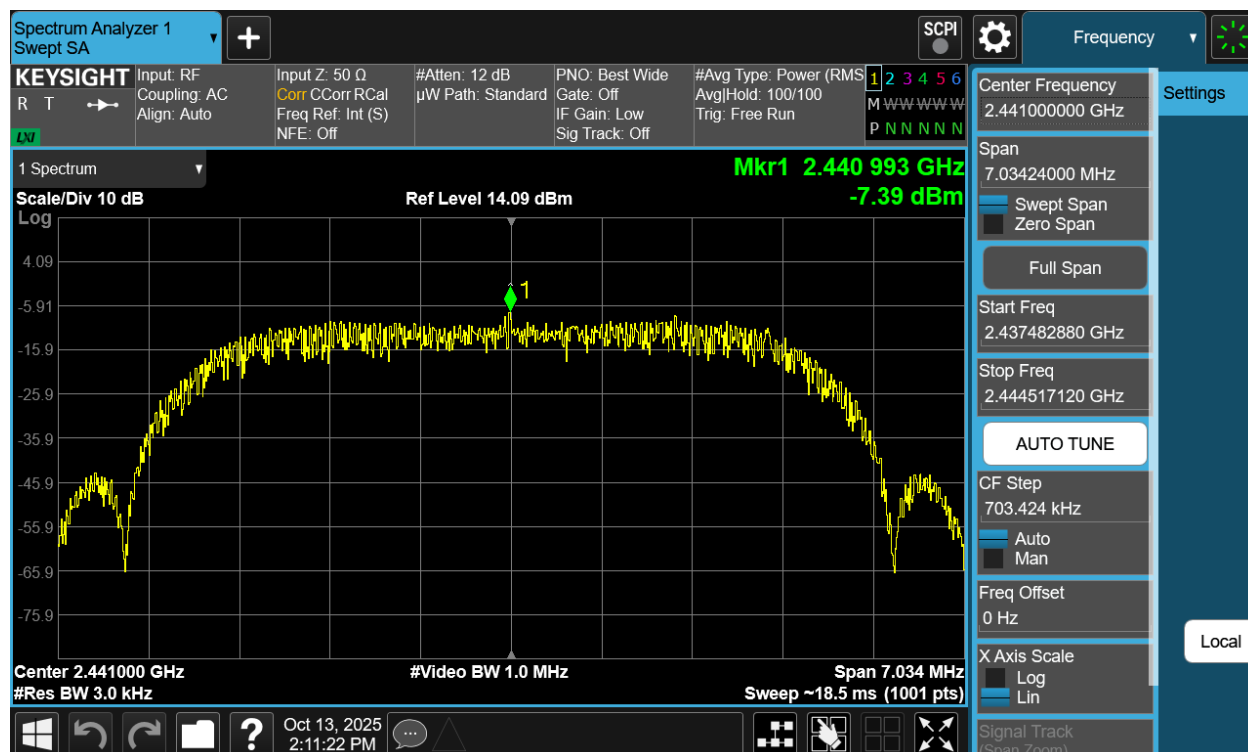
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-97. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

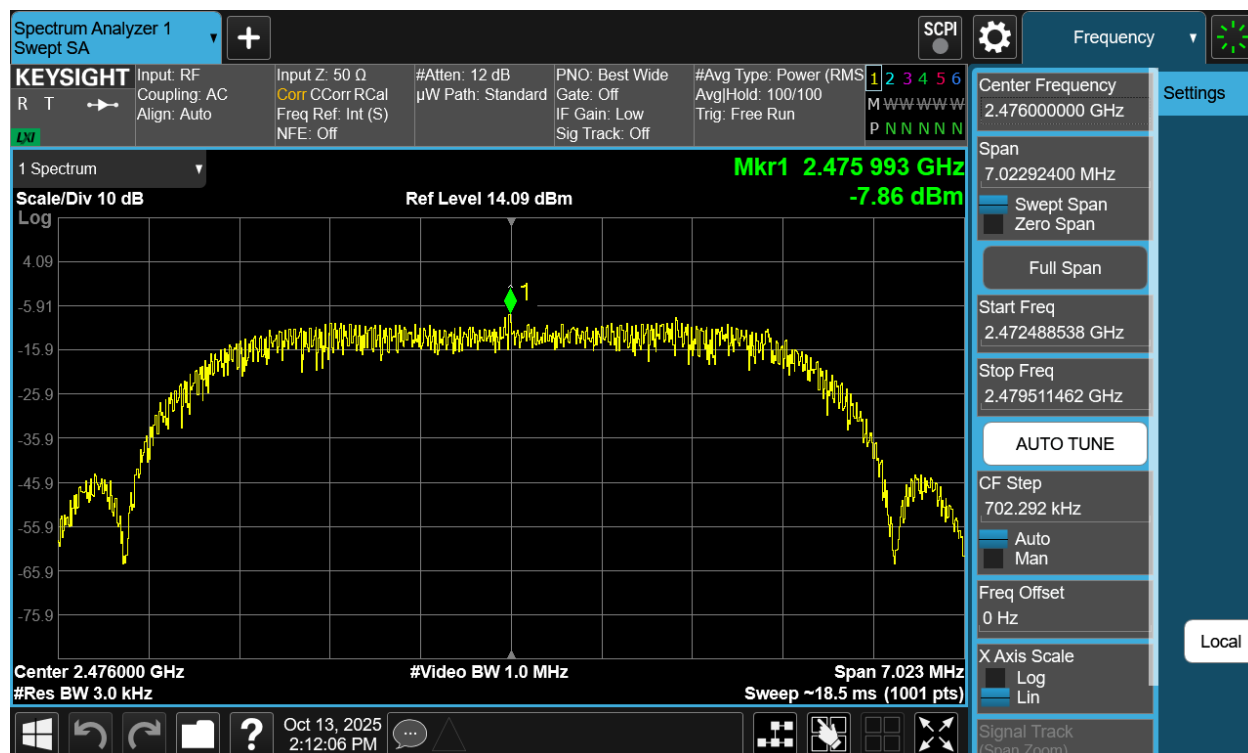


Plot 7-98. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-99. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

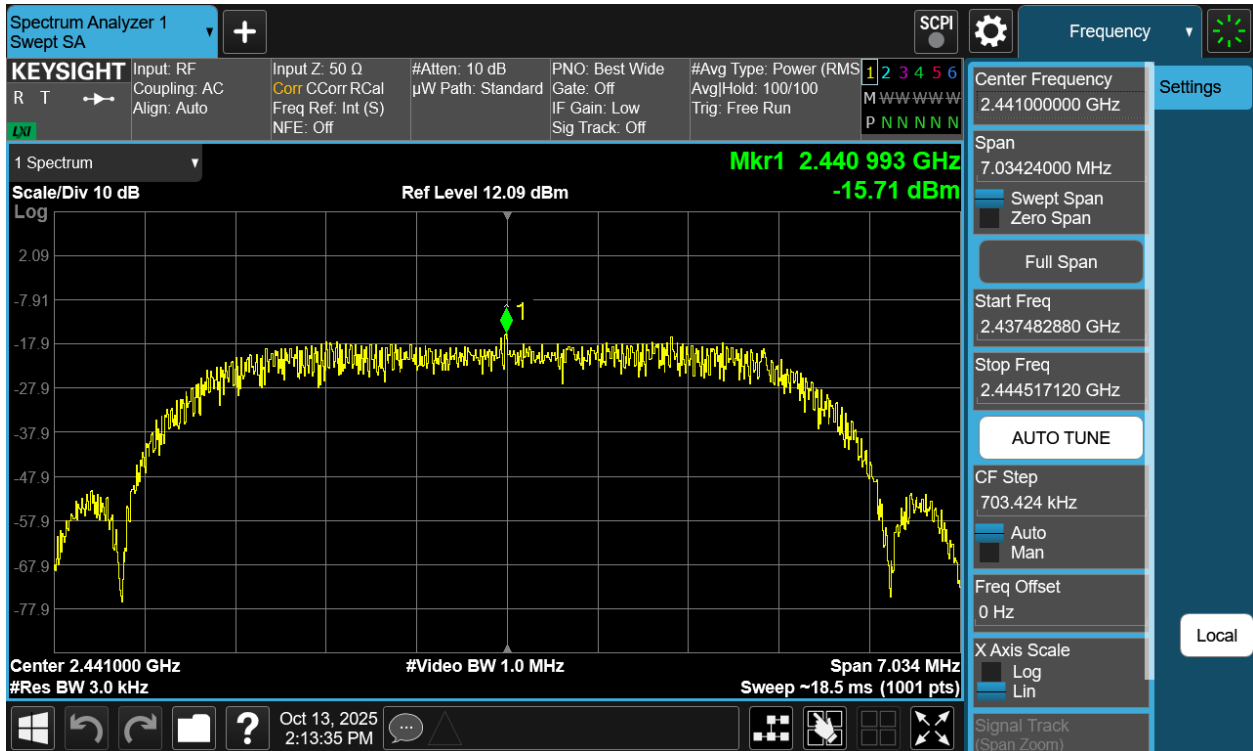


Plot 7-100. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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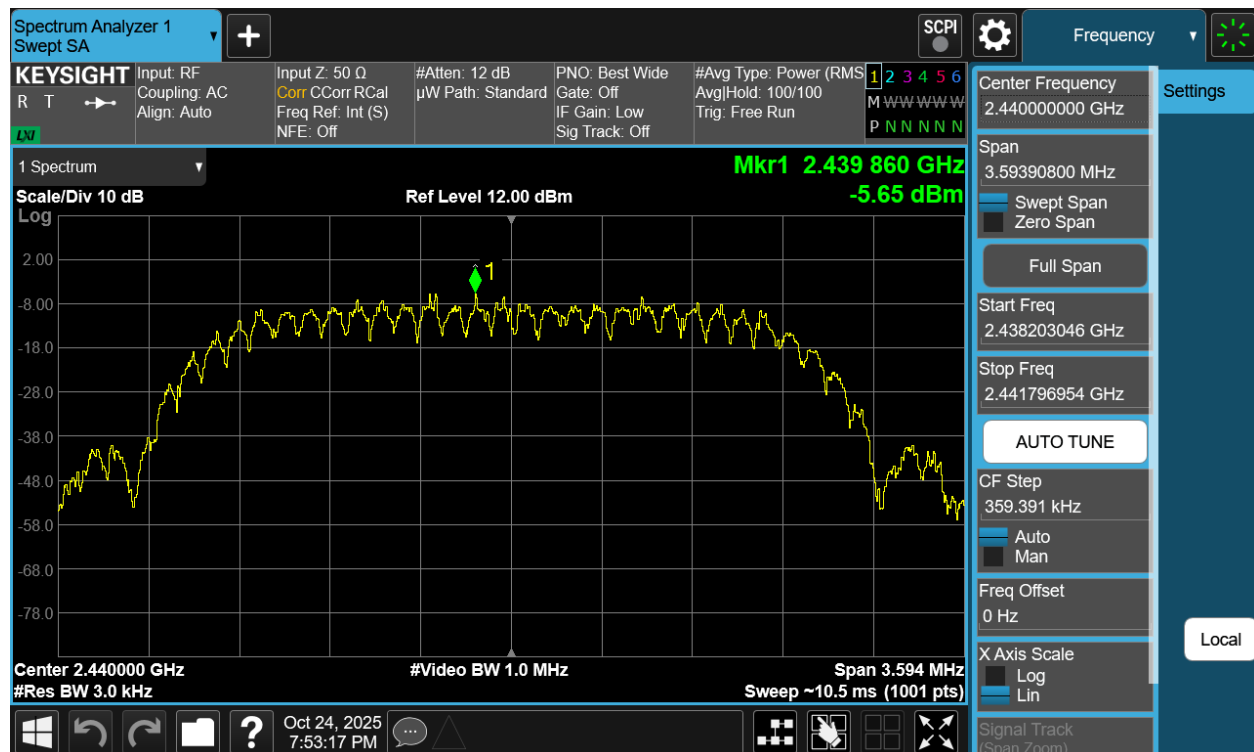
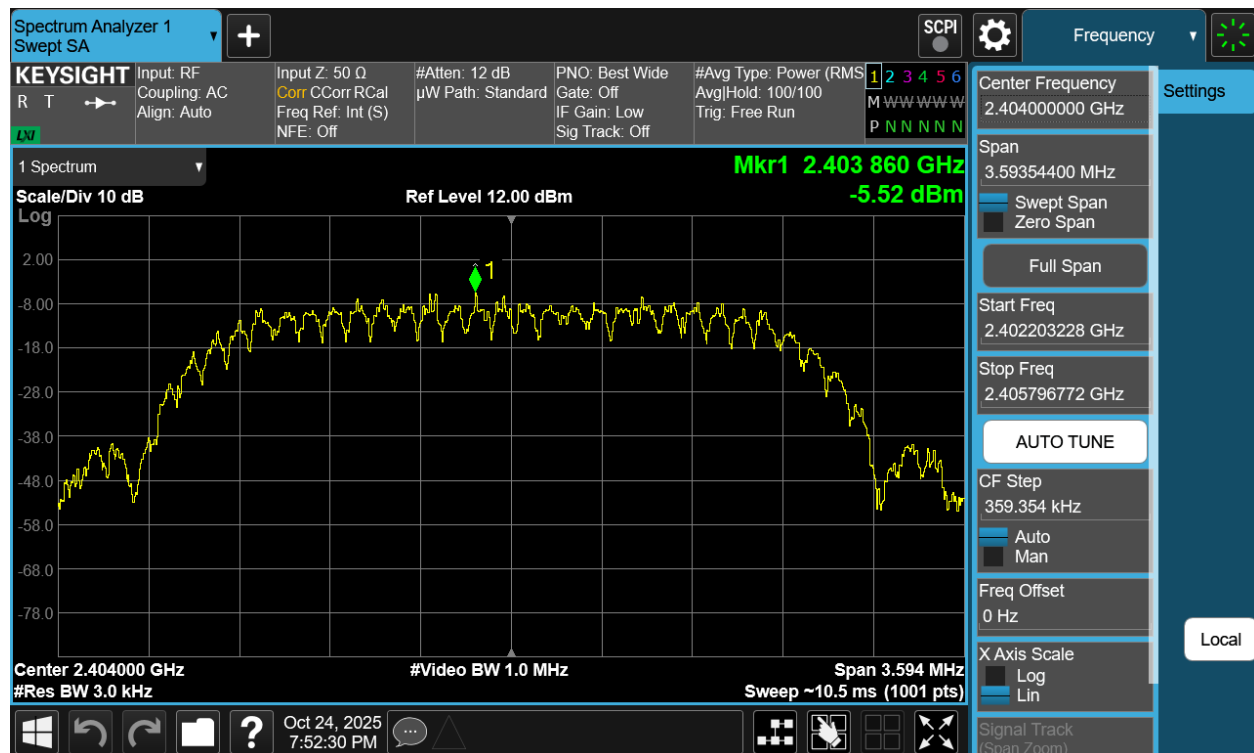


Plot 7-101. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 38)

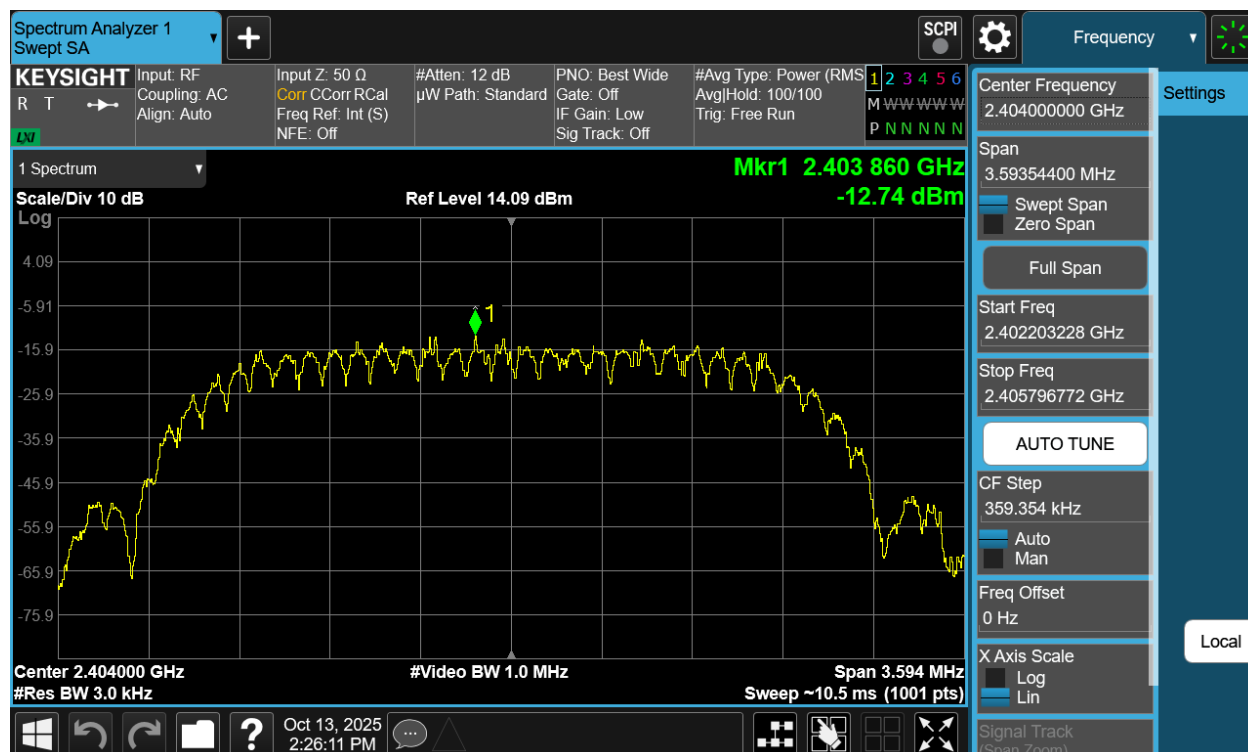
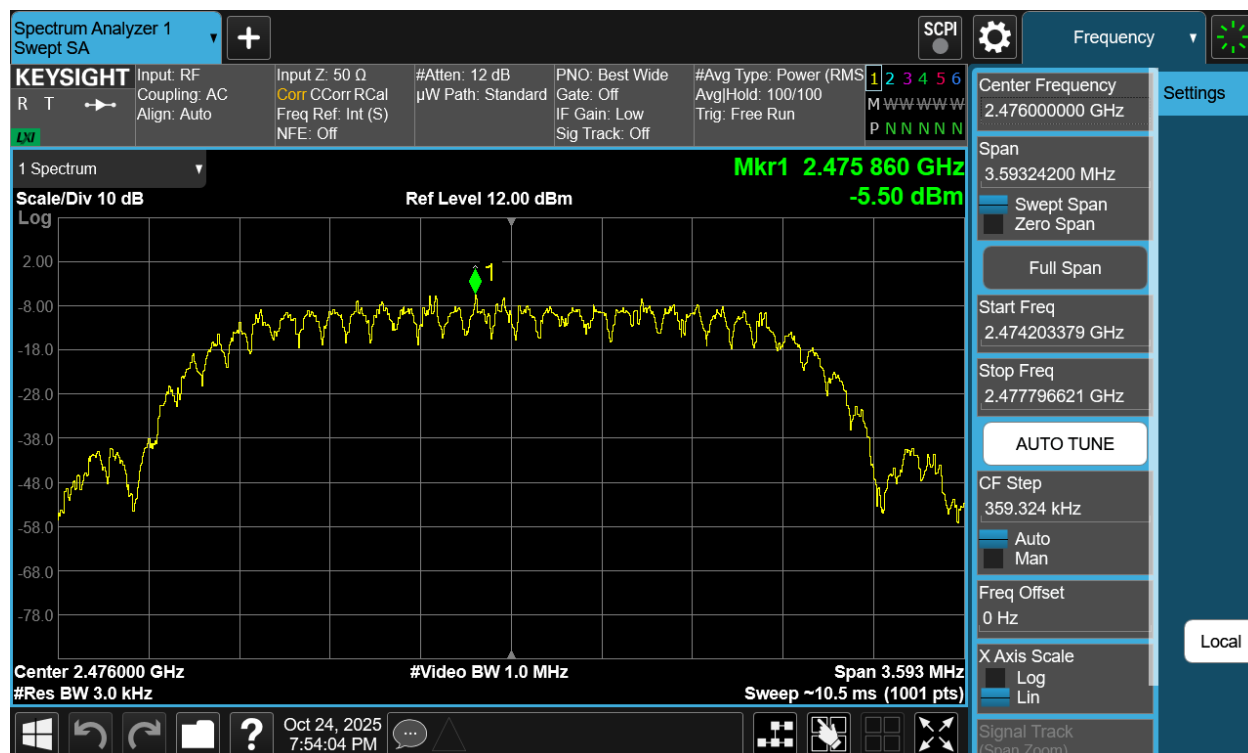


Plot 7-102. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 73)

FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 84 of 222



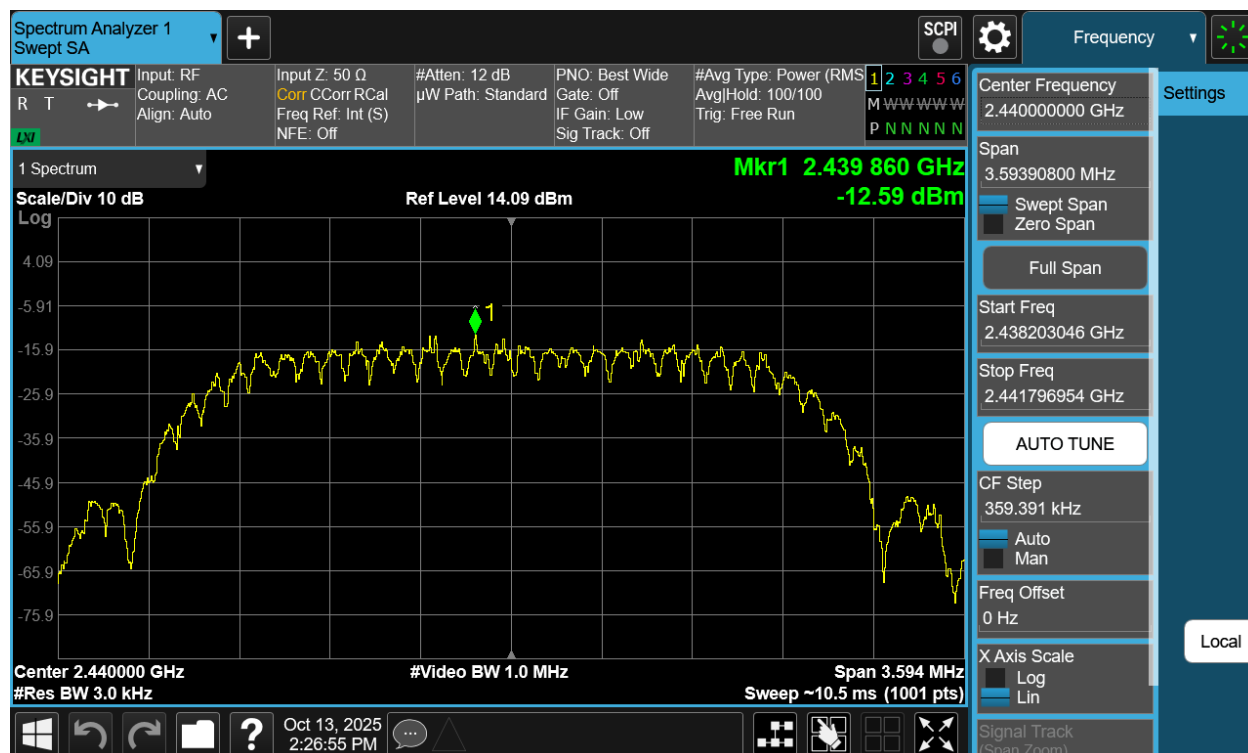
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-07-R6.BCG	Test Dates: 09/10/2025 - 12/23/2025	EUT Type: Tablet Device	Page 85 of 222



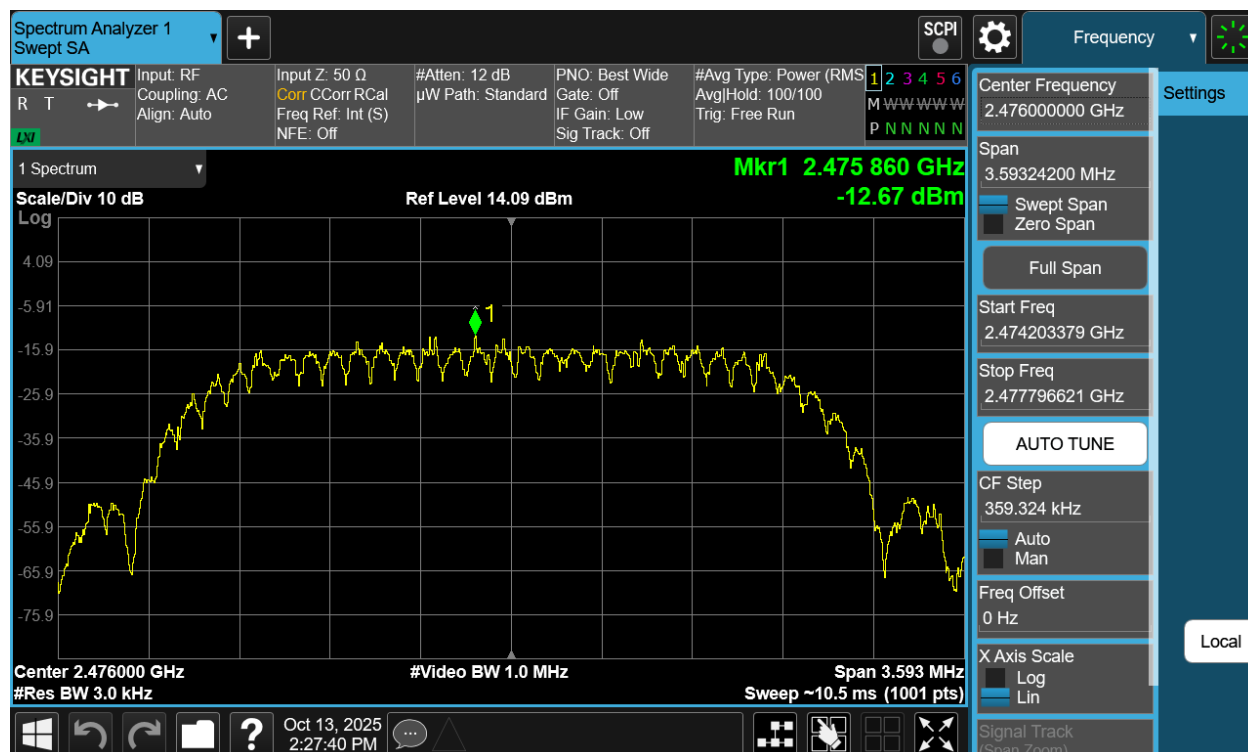
FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-107. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 37)



Plot 7-108. Power Spectral Density Plot Antenna WF8 (Bluetooth (HDT2), 2Mbps, iPA – Ch. 73)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.5.2 Antenna WF7b

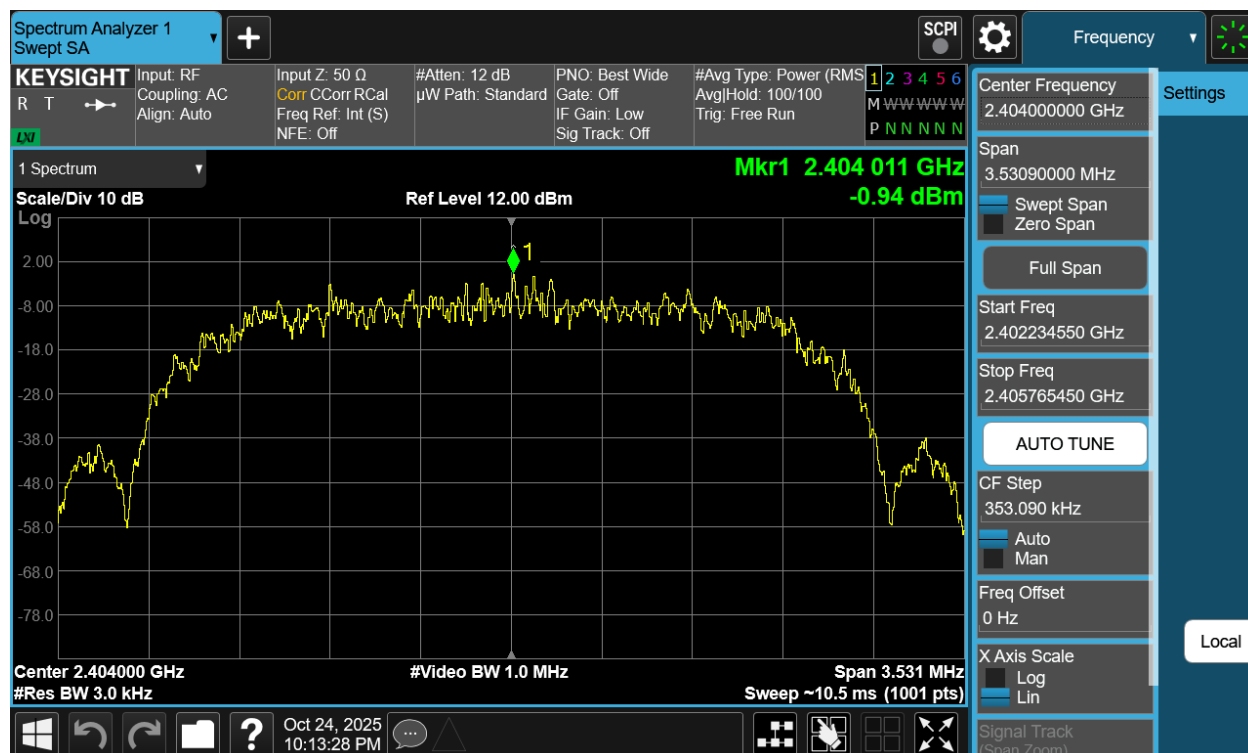
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-0.94	8.0	-8.94
2441	HDR4	ePA	38	-1.10	8.0	-9.10
2476	HDR4	ePA	73	-1.18	8.0	-9.18
2404	HDR4	iPA	1	-8.07	8.0	-16.07
2441	HDR4	iPA	38	-8.01	8.0	-16.01
2476	HDR4	iPA	73	-7.97	8.0	-15.97
2404	HDR8	ePA	1	-2.71	8.0	-10.71
2441	HDR8	ePA	38	-2.73	8.0	-10.73
2476	HDR8	ePA	73	-2.75	8.0	-10.75
2404	HDR8	iPA	1	-9.91	8.0	-17.91
2441	HDR8	iPA	38	-9.64	8.0	-17.64
2476	HDR8	iPA	73	-9.67	8.0	-17.67
2404	HDRPS2	ePA	1	-3.31	8.0	-11.31
2441	HDRPS2	ePA	38	-3.42	8.0	-11.42
2476	HDRPS2	ePA	73	-2.74	8.0	-10.74
2404	HDRPS2	iPA	1	-10.09	8.0	-18.09
2441	HDRPS2	iPA	38	-10.23	8.0	-18.23
2476	HDRPS2	iPA	73	-10.60	8.0	-18.60
2404	XHDRPM6	ePA	1	-6.88	8.0	-14.88
2441	XHDRPM6	ePA	38	-6.91	8.0	-14.91
2476	XHDRPM6	ePA	73	-7.17	8.0	-15.17
2404	XHDRPM6	iPA	1	-14.20	8.0	-22.20
2441	XHDRPM6	iPA	38	-14.28	8.0	-22.28
2476	XHDRPM6	iPA	73	-14.30	8.0	-22.30
2404	HDRPM16	ePA	1	-7.29	8.0	-15.29
2441	HDRPM16	ePA	38	-7.11	8.0	-15.11
2476	HDRPM16	ePA	73	-7.45	8.0	-15.45
2404	HDRPM16	iPA	1	-15.78	8.0	-23.78
2441	HDRPM16	iPA	38	-15.66	8.0	-23.66
2476	HDRPM16	iPA	73	-15.98	8.0	-23.98
2404	HDT2	ePA	1	-5.33	8.0	-13.33
2440	HDT2	ePA	37	-5.43	8.0	-13.43
2476	HDT2	ePA	73	-5.41	8.0	-13.41
2404	HDT2	iPA	1	-12.34	8.0	-20.34
2440	HDT2	iPA	37	-12.44	8.0	-20.44
2476	HDT2	iPA	73	-12.38	8.0	-20.38

Table 7-13. Conducted Power Density Measurements Antenna WF7b

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-109. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

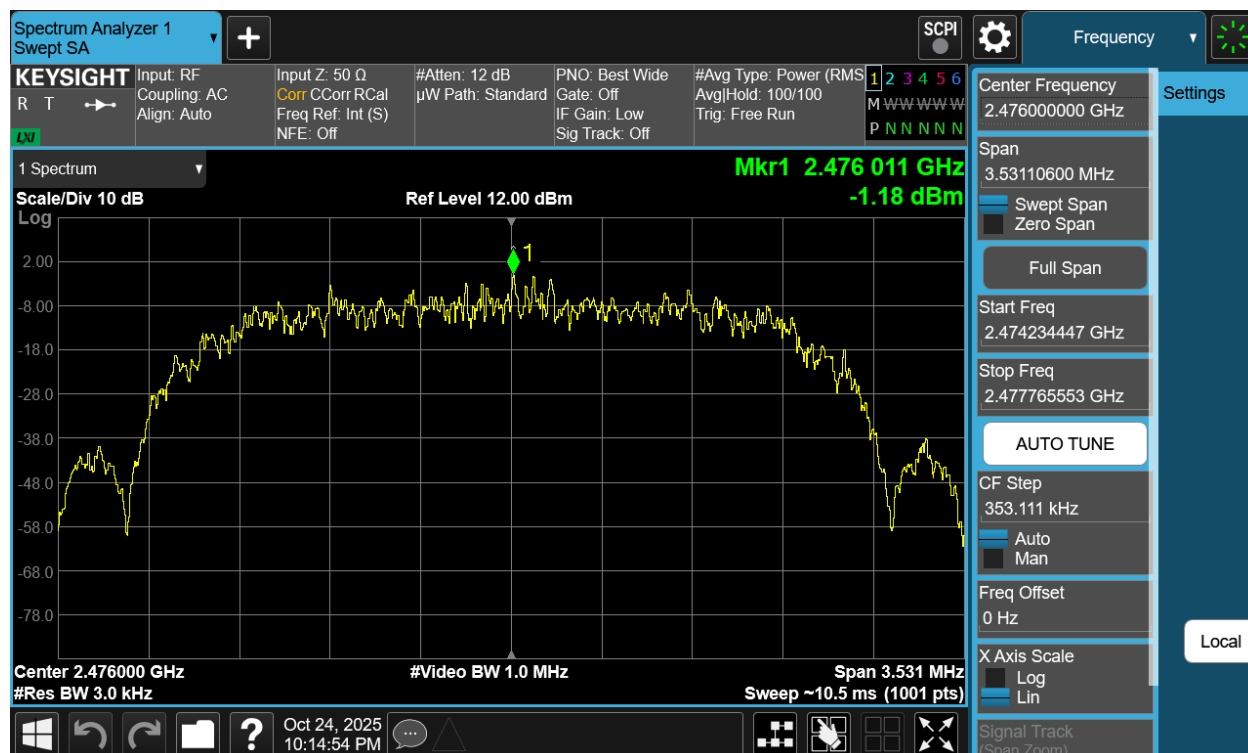


Plot 7-110. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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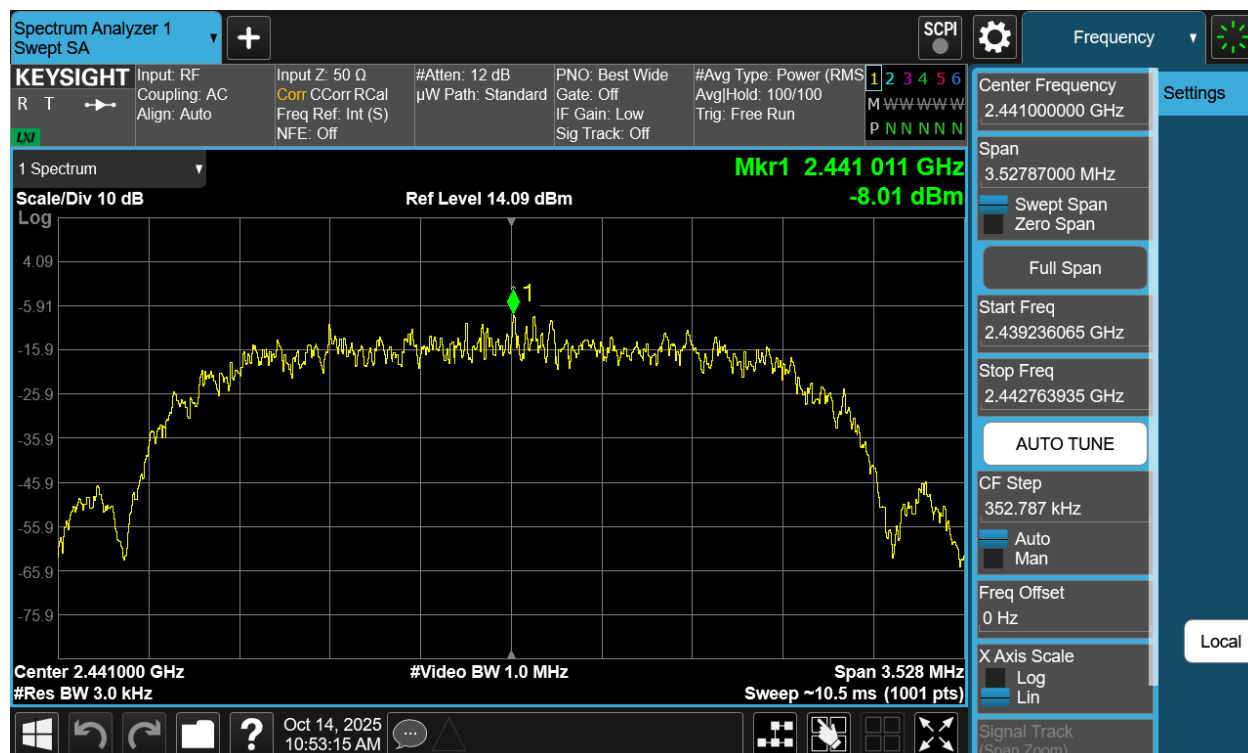


Plot 7-111. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

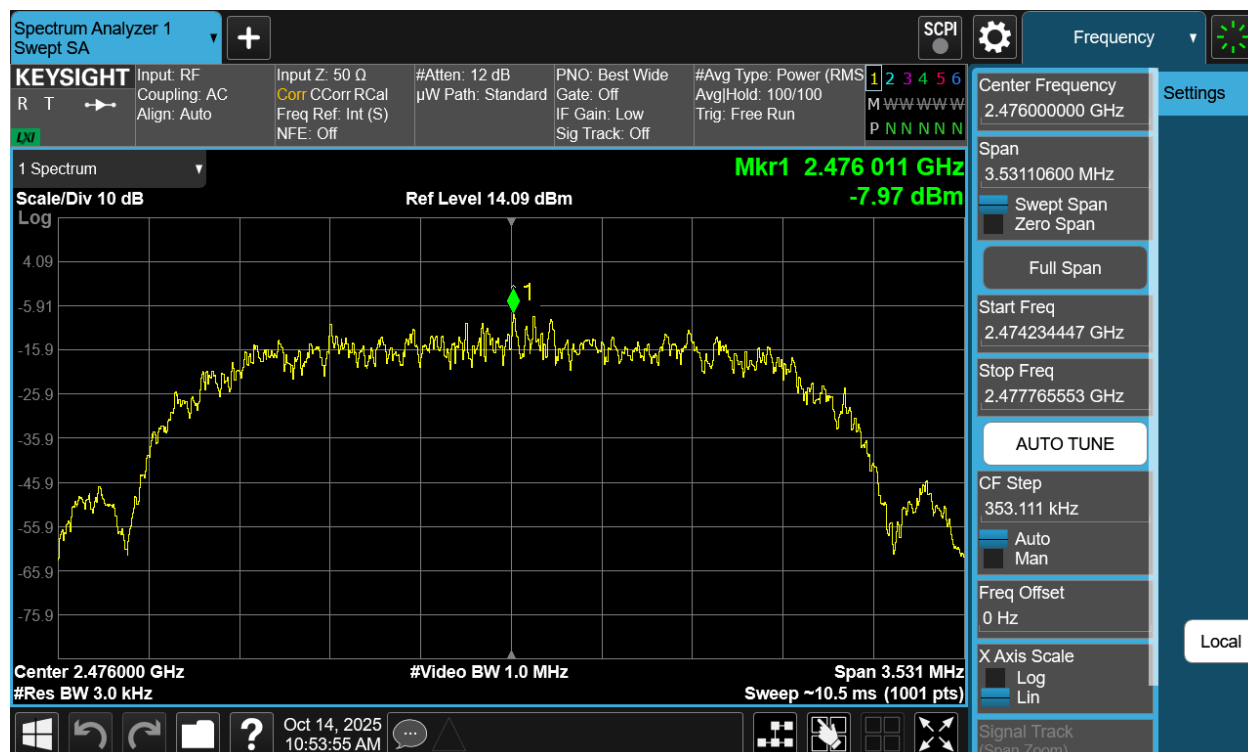


Plot 7-112. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-113. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)



Plot 7-114. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-115. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)



Plot 7-116. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-117. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)



Plot 7-118. Power Spectral Density Plot Antenna WF7b (Bluetooth (HDR8), 8Mbps, iPA – Ch. 1)

FCC ID: BCGA3459 IC: 579C-A3459		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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