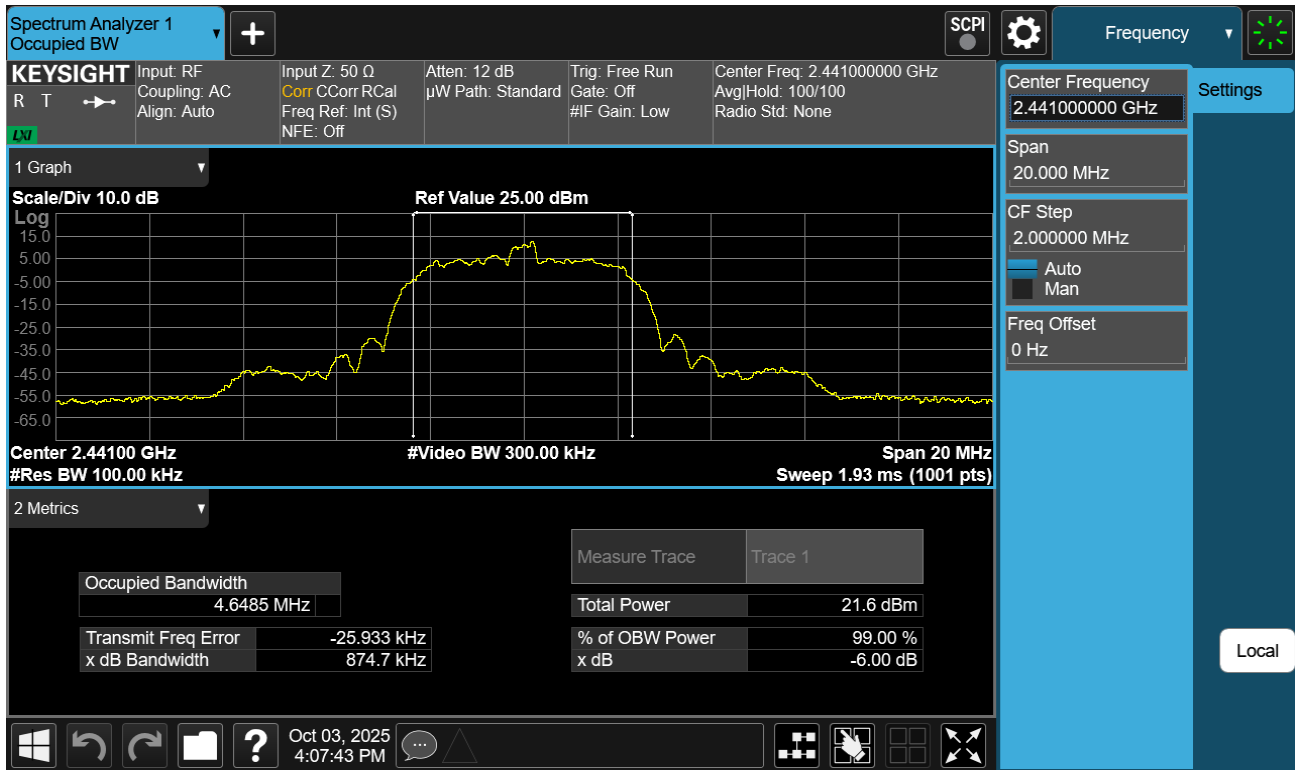
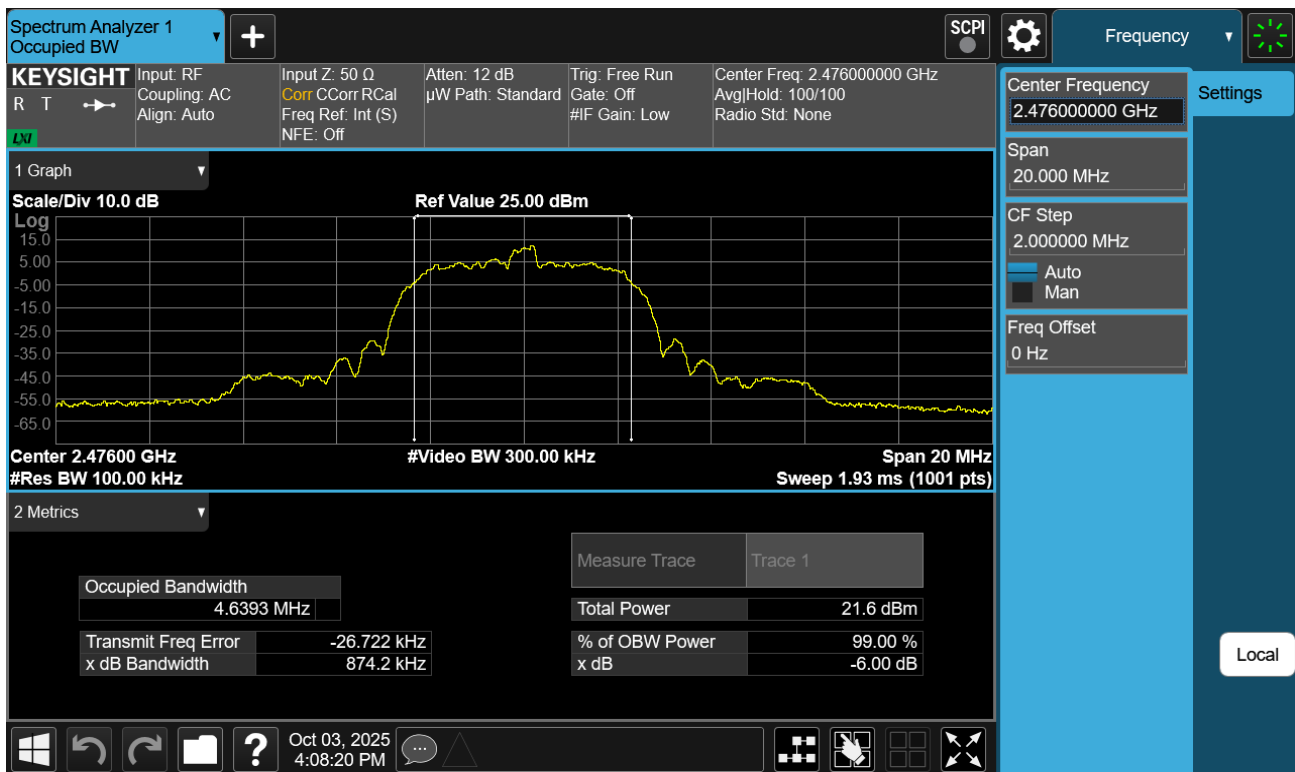


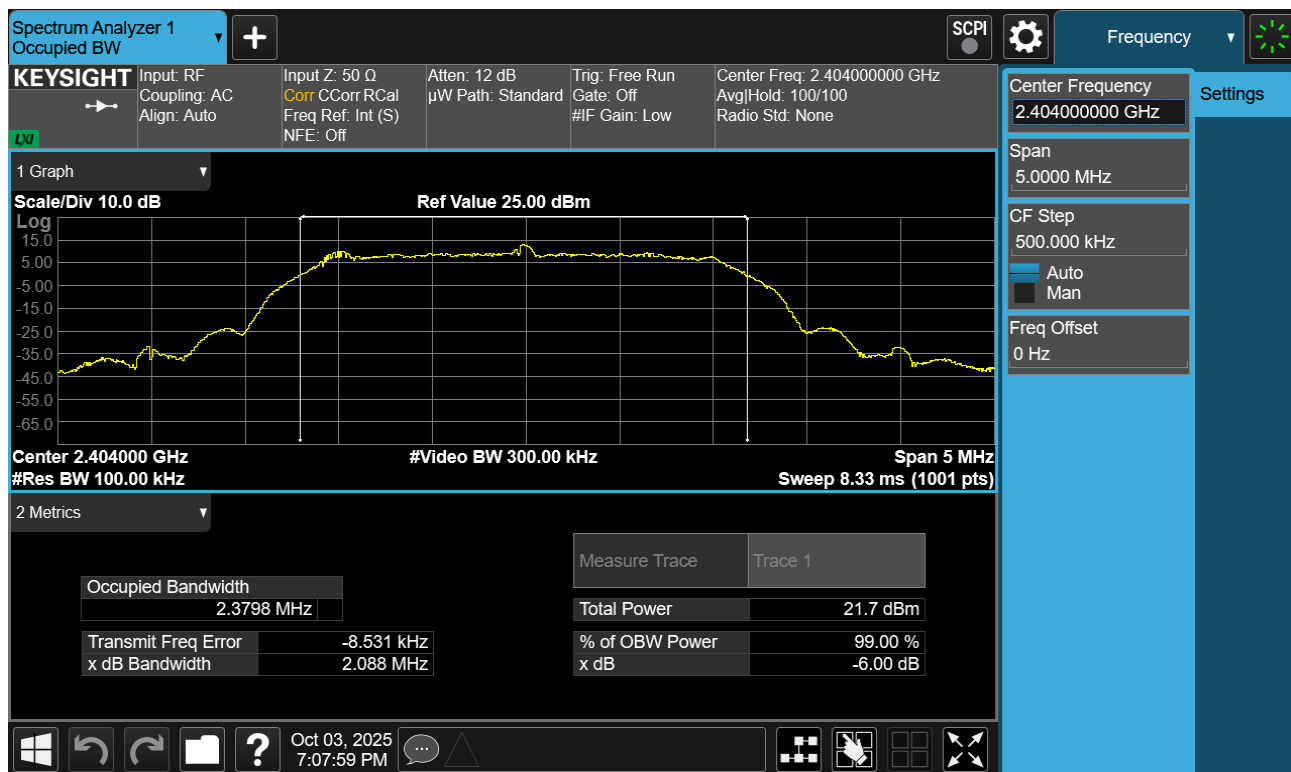


Plot 7-59. 6dB BW Plot Antenna 1a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

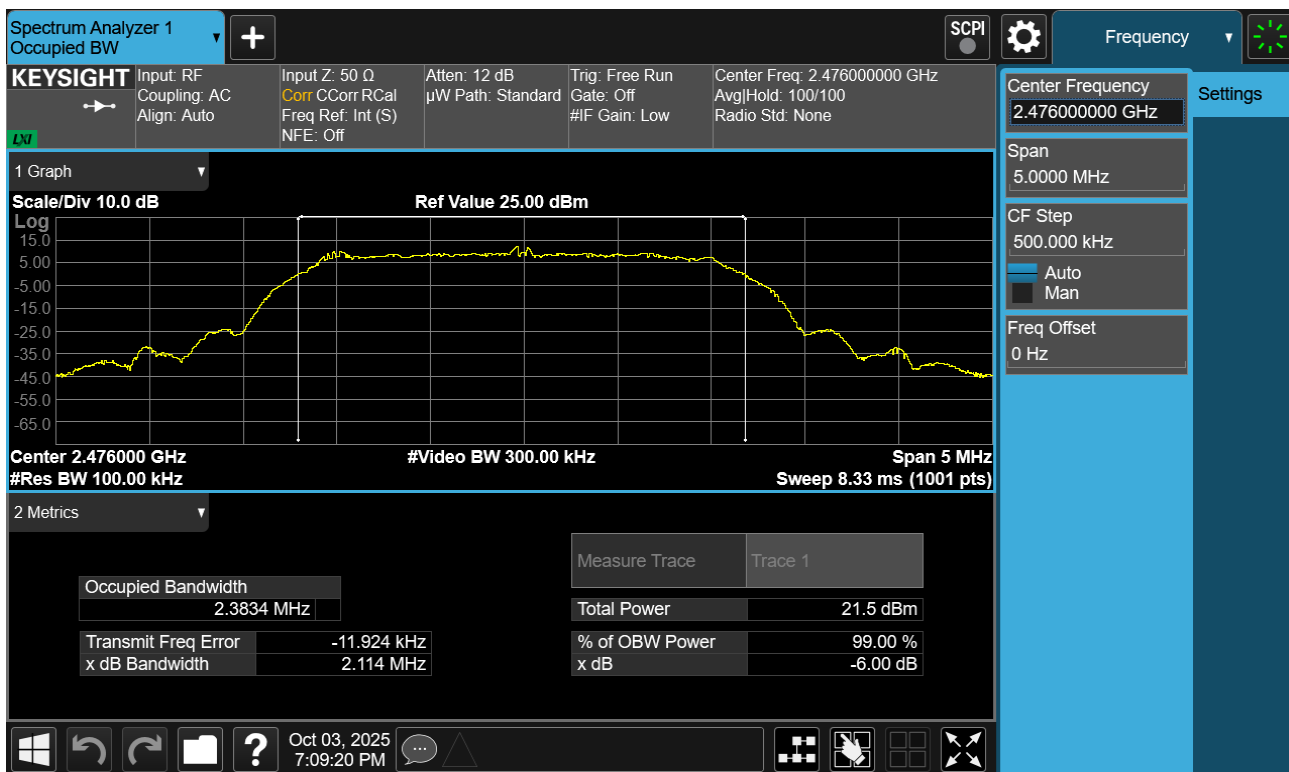


Plot 7-60. 6dB BW Plot Antenna 1a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

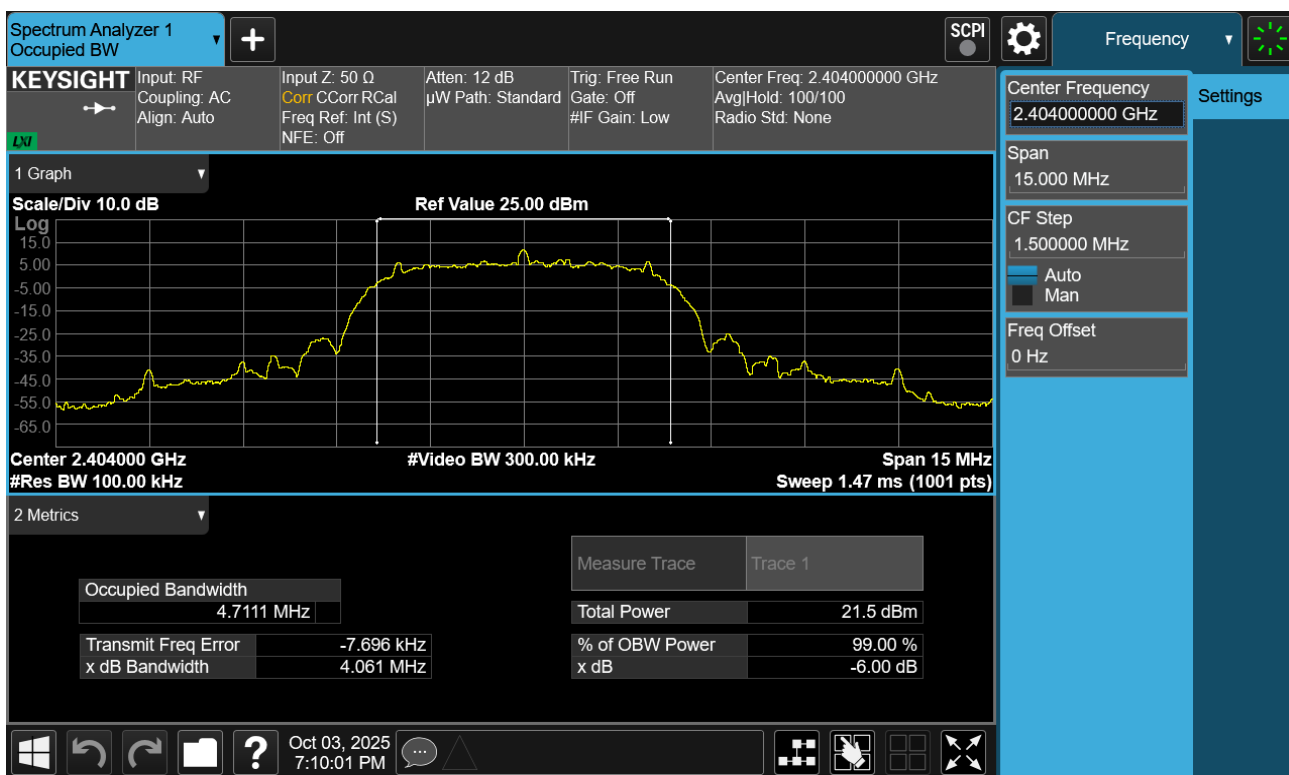
FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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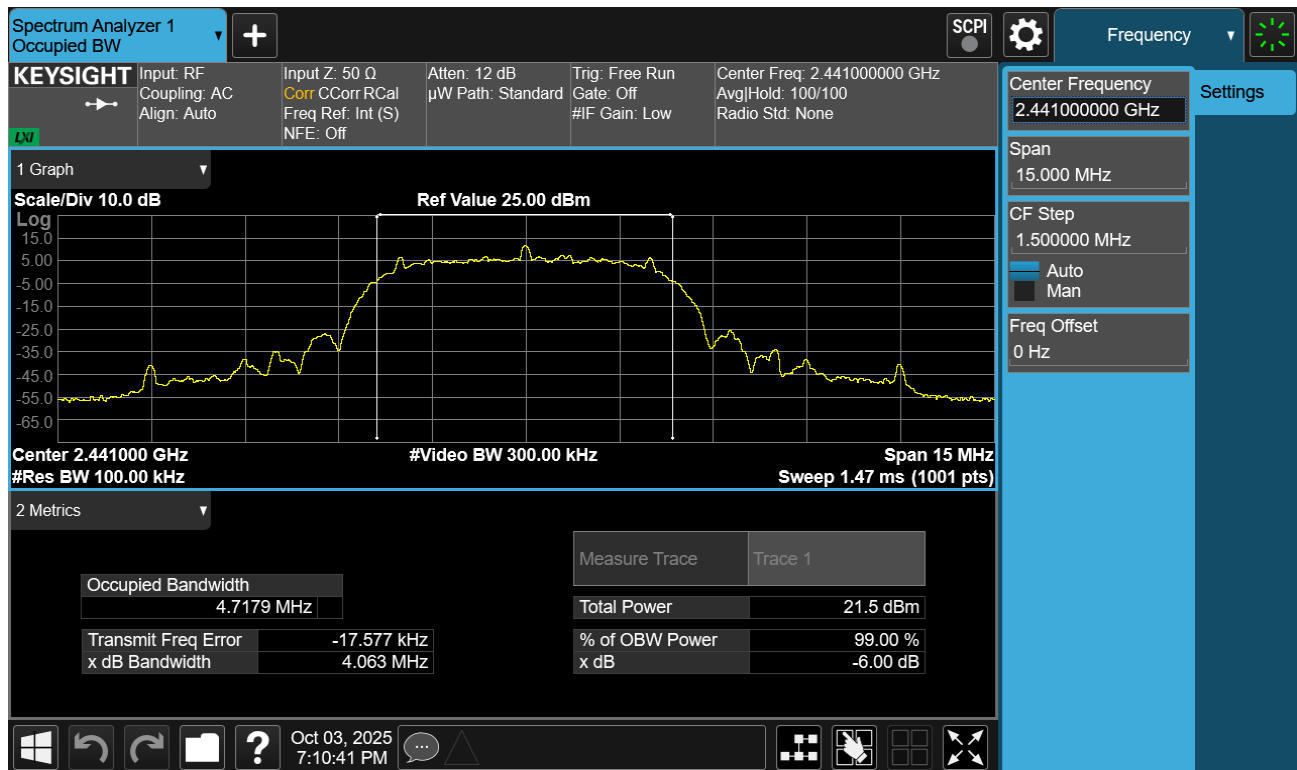


Plot 7-63. 6dB BW Plot Antenna 1a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

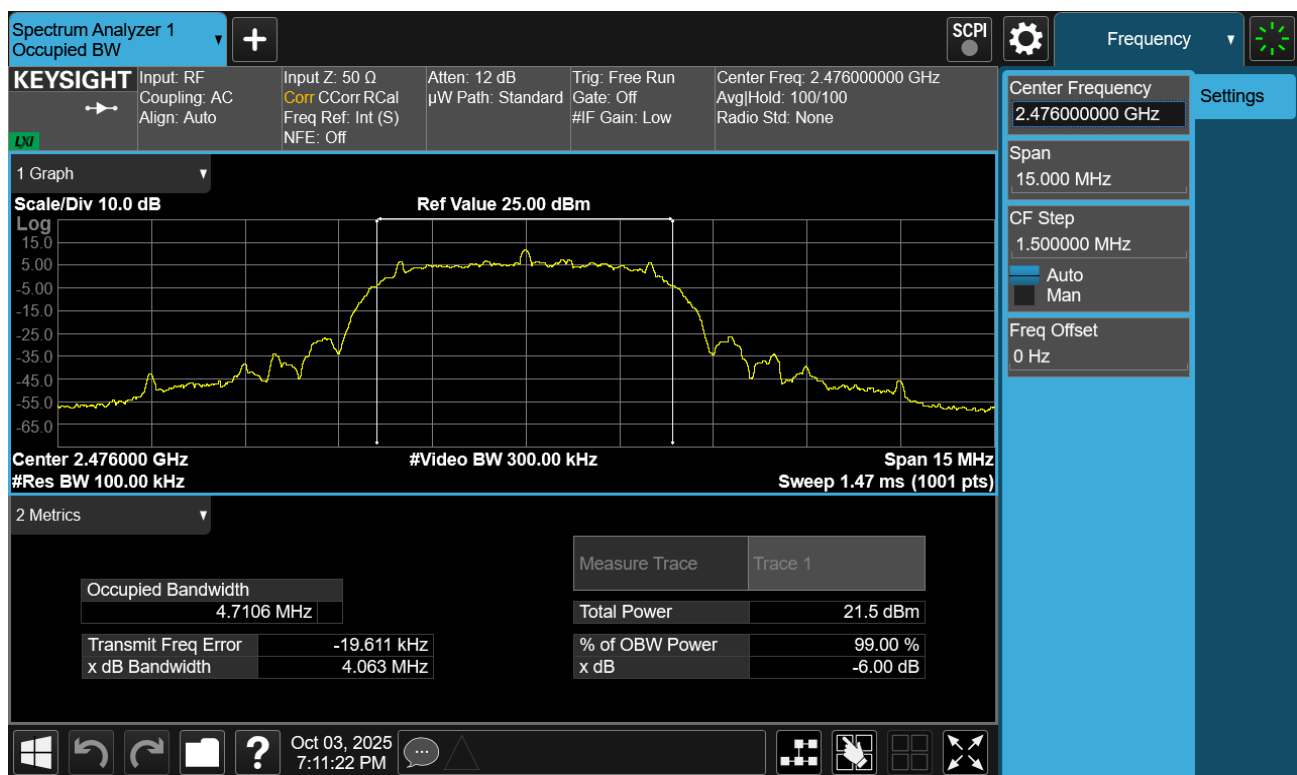


Plot 7-64. 6dB BW Plot Antenna 1a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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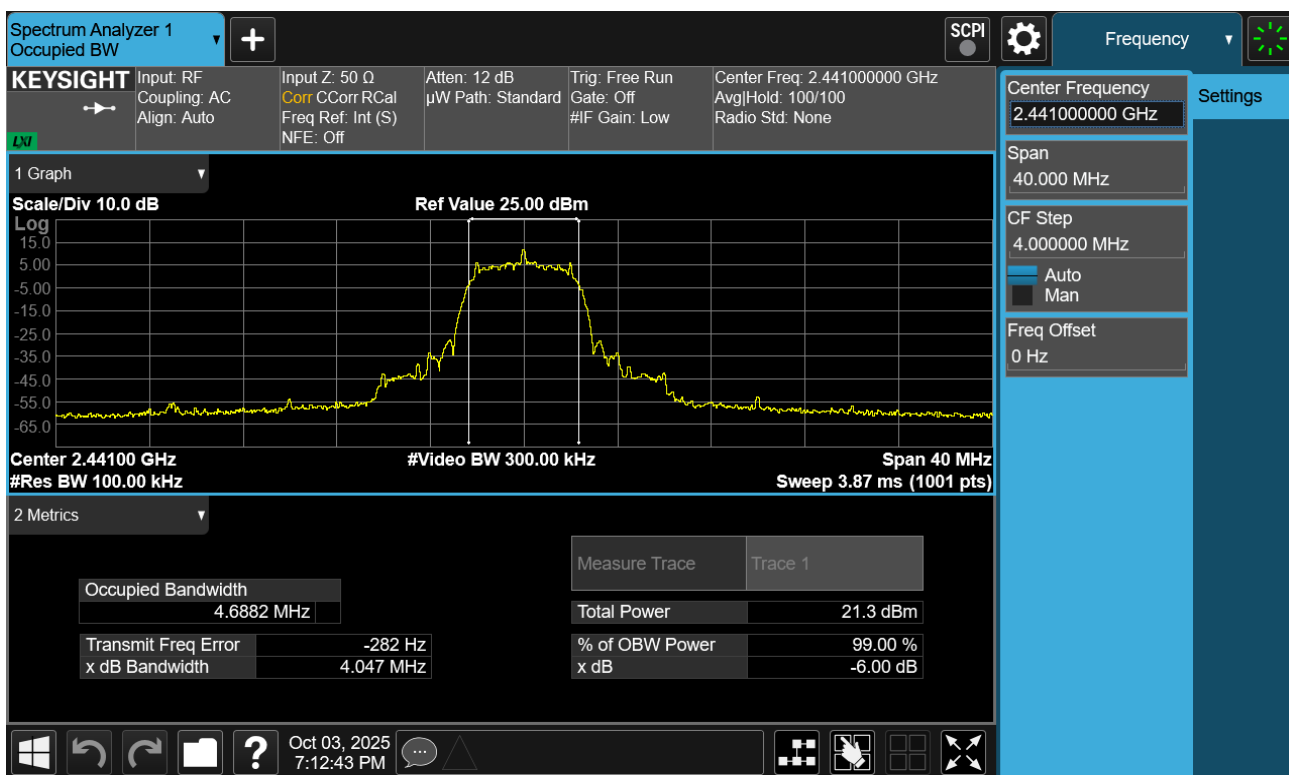
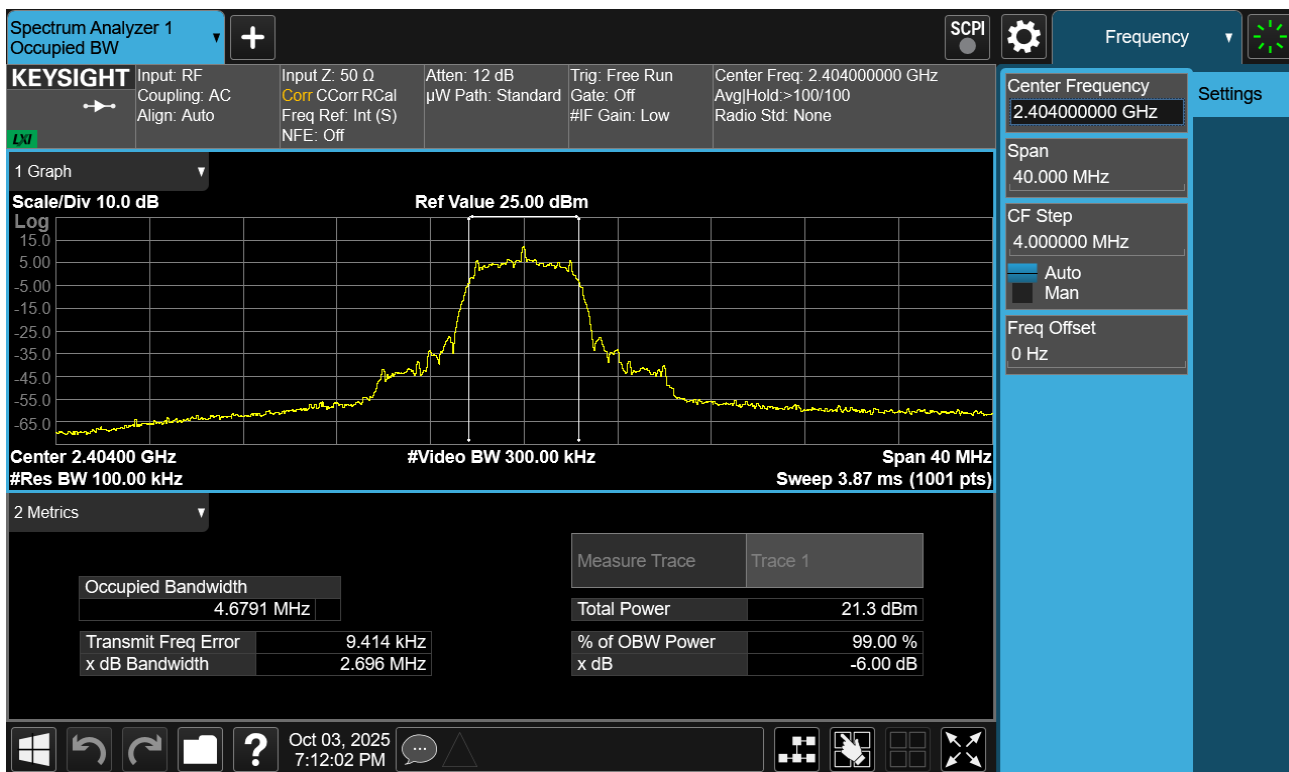


Plot 7-65. 6dB BW Plot Antenna 1a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

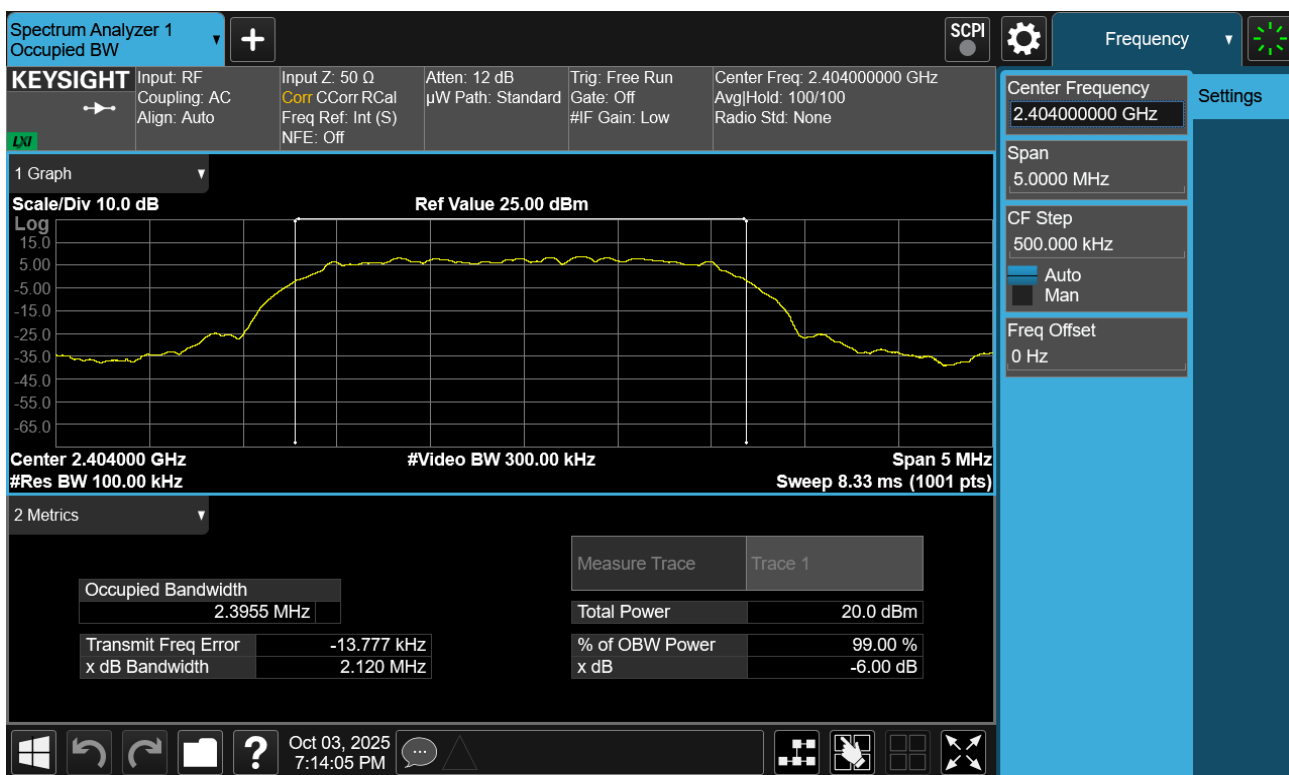
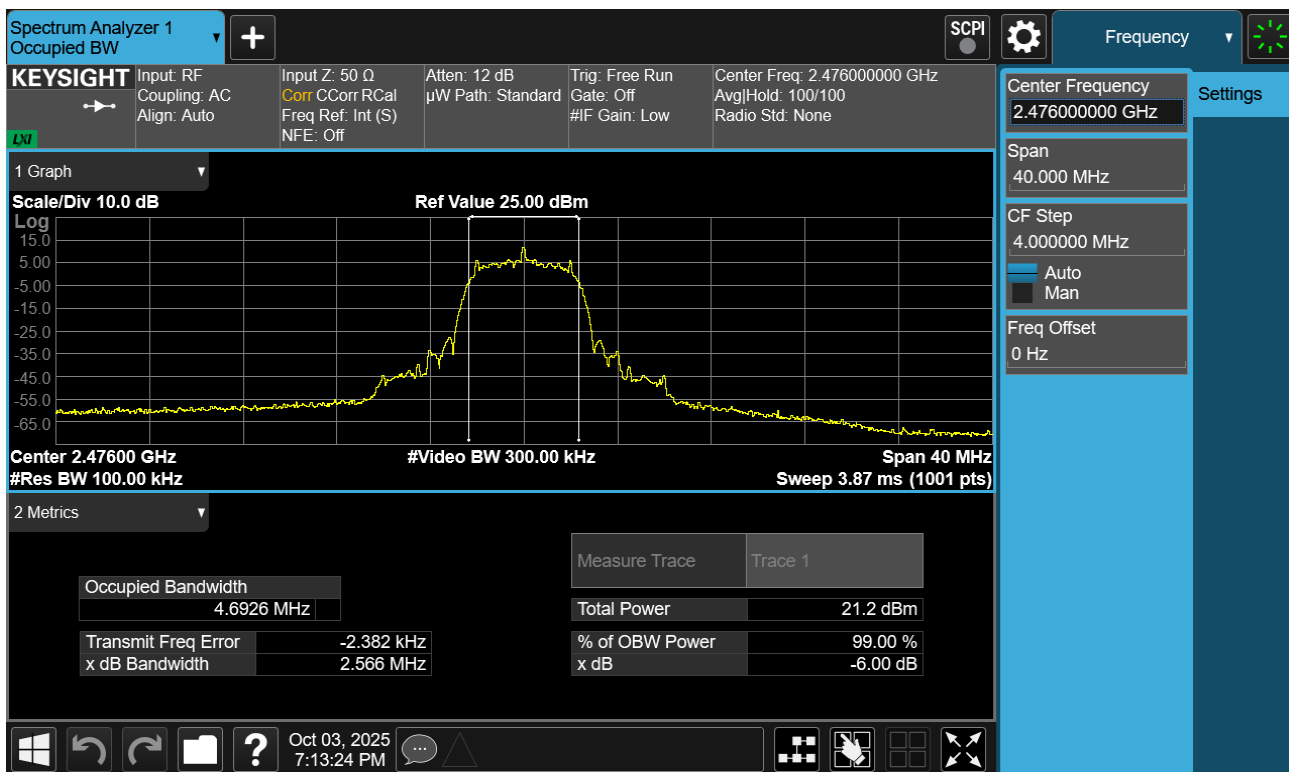


Plot 7-66. 6dB BW Plot Antenna 1a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

FCC ID: BCGA3462 IC: 579C-A3462	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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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	16.03	40.087	30.00	-13.97	2.50	18.53	36.02	-17.49
2441	HDR4	ePA	38	15.82	38.194	30.00	-14.18	2.50	18.32	36.02	-17.70
2476	HDR4	ePA	73	15.87	38.637	30.00	-14.13	2.50	18.37	36.02	-17.65
2404	HDR4	iPA	1	8.23	6.653	30.00	-21.77	2.50	10.73	36.02	-25.29
2441	HDR4	iPA	38	8.36	6.855	30.00	-21.64	2.50	10.86	36.02	-25.16
2476	HDR4	iPA	73	8.53	7.129	30.00	-21.47	2.50	11.03	36.02	-24.99
2404	HDR8	ePA	1	16.03	40.087	30.00	-13.97	2.50	18.53	36.02	-17.49
2441	HDR8	ePA	38	15.78	37.844	30.00	-14.22	2.50	18.28	36.02	-17.74
2476	HDR8	ePA	73	15.87	38.637	30.00	-14.13	2.50	18.37	36.02	-17.65
2404	HDR8	iPA	1	8.18	6.577	30.00	-21.82	2.50	10.68	36.02	-25.34
2441	HDR8	iPA	38	8.24	6.668	30.00	-21.76	2.50	10.74	36.02	-25.28
2476	HDR8	iPA	73	8.45	6.998	30.00	-21.55	2.50	10.95	36.02	-25.07
2404	HDRPS2	ePA	1	16.40	43.652	30.00	-13.60	2.50	18.90	36.02	-17.12
2441	HDRPS2	ePA	38	16.13	41.020	30.00	-13.87	2.50	18.63	36.02	-17.39
2476	HDRPS2	ePA	73	16.20	41.687	30.00	-13.80	2.50	18.70	36.02	-17.32
2404	HDRPS2	iPA	1	8.68	7.379	30.00	-21.32	2.50	11.18	36.02	-24.84
2441	HDRPS2	iPA	38	8.80	7.586	30.00	-21.20	2.50	11.30	36.02	-24.72
2476	HDRPS2	iPA	73	8.88	7.727	30.00	-21.12	2.50	11.38	36.02	-24.64
2405	XHDRPM6	ePA	1	16.11	40.832	30.00	-13.89	2.50	18.61	36.02	-17.41
2441	XHDRPM6	ePA	38	16.34	43.053	30.00	-13.67	2.50	18.84	36.02	-17.19
2475	XHDRPM6	ePA	73	16.47	44.361	30.00	-13.53	2.50	18.97	36.02	-17.05
2405	XHDRPM6	iPA	1	8.56	7.178	30.00	-21.44	2.50	11.06	36.02	-24.96
2441	XHDRPM6	iPA	38	8.70	7.413	30.00	-21.30	2.50	11.20	36.02	-24.82
2475	XHDRPM6	iPA	73	8.89	7.745	30.00	-21.11	2.50	11.39	36.02	-24.63
2405	HDRPM16	ePA	1	16.09	40.644	30.00	-13.91	2.50	18.59	36.02	-17.43
2441	HDRPM16	ePA	38	16.36	43.251	30.00	-13.64	2.50	18.86	36.02	-17.16
2475	HDRPM16	ePA	73	15.93	39.174	30.00	-14.07	2.50	18.43	36.02	-17.59
2405	HDRPM16	iPA	1	7.73	5.929	30.00	-22.28	2.50	10.23	36.02	-25.80
2441	HDRPM16	iPA	38	7.37	5.458	30.00	-22.64	2.50	9.87	36.02	-26.16
2475	HDRPM16	iPA	73	7.78	5.998	30.00	-22.22	2.50	10.28	36.02	-25.74
2404	HDT2	ePA	1	16.33	42.954	30.00	-13.67	2.50	18.83	36.02	-17.19
2440	HDT2	ePA	37	16.03	40.087	30.00	-13.97	2.50	18.53	36.02	-17.49
2476	HDT2	ePA	73	16.09	40.644	30.00	-13.91	2.50	18.59	36.02	-17.43
2404	HDT2	iPA	1	8.52	7.112	30.00	-21.48	2.50	11.02	36.02	-25.00
2440	HDT2	iPA	37	8.74	7.482	30.00	-21.27	2.50	11.24	36.02	-24.79
2476	HDT2	iPA	73	8.73	7.464	30.00	-21.27	2.50	11.23	36.02	-24.79
2404	HDT4	ePA	1	16.44	44.055	30.00	-13.56	2.50	18.94	36.02	-17.08
2440	HDT4	ePA	37	16.65	46.238	30.00	-13.35	2.50	19.15	36.02	-16.87
2476	HDT4	ePA	73	16.83	48.195	30.00	-13.17	2.50	19.33	36.02	-16.69
2404	HDT4	iPA	1	8.79	7.568	30.00	-21.21	2.50	11.29	36.02	-24.73
2440	HDT4	iPA	37	8.97	7.889	30.00	-21.03	2.50	11.47	36.02	-24.55
2476	HDT4	iPA	73	8.99	7.925	30.00	-21.01	2.50	11.49	36.02	-24.53
2404	HDT6	ePA	1	16.75	47.315	30.00	-13.25	2.50	19.25	36.02	-16.77
2440	HDT6	ePA	37	16.96	49.659	30.00	-13.04	2.50	19.46	36.02	-16.56
2476	HDT6	ePA	73	16.56	45.290	30.00	-13.44	2.50	19.06	36.02	-16.96
2404	HDT6	iPA	1	7.97	6.266	30.00	-22.03	2.50	10.47	36.02	-25.55
2440	HDT6	iPA	37	8.17	6.561	30.00	-21.83	2.50	10.67	36.02	-25.35
2476	HDT6	iPA	73	8.16	6.546	30.00	-21.84	2.50	10.66	36.02	-25.36

Table 7-6. Peak Conducted Output Power Measurements Antenna 3a (Bluetooth HDR)

FCC ID: BCGA3462 IC: 579C-A3462	 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]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	HDR4	ePA	1	15.36	34.356	30.00	-14.65	0.70	16.06	36.02	-19.97
2441	HDR4	ePA	38	15.39	34.594	30.00	-14.61	0.70	16.09	36.02	-19.93
2476	HDR4	ePA	73	15.34	34.198	30.00	-14.66	0.70	16.04	36.02	-19.98
2404	HDR4	iPA	1	8.14	6.516	30.00	-21.86	0.70	8.84	36.02	-27.18
2441	HDR4	iPA	38	8.54	7.145	30.00	-21.46	0.70	9.24	36.02	-26.78
2476	HDR4	iPA	73	8.32	6.792	30.00	-21.68	0.70	9.02	36.02	-27.00
2404	HDR8	ePA	1	15.38	34.514	30.00	-14.62	0.70	16.08	36.02	-19.94
2441	HDR8	ePA	38	15.38	34.514	30.00	-14.62	0.70	16.08	36.02	-19.94
2476	HDR8	ePA	73	15.30	33.884	30.00	-14.70	0.70	16.00	36.02	-20.02
2404	HDR8	iPA	1	8.08	6.427	30.00	-21.92	0.70	8.78	36.02	-27.24
2441	HDR8	iPA	38	8.50	7.079	30.00	-21.50	0.70	9.20	36.02	-26.82
2476	HDR8	iPA	73	8.38	6.887	30.00	-21.62	0.70	9.08	36.02	-26.94
2404	HDRPS2	ePA	1	15.75	37.584	30.00	-14.26	0.70	16.45	36.02	-19.58
2441	HDRPS2	ePA	38	15.77	37.757	30.00	-14.23	0.70	16.47	36.02	-19.55
2476	HDRPS2	ePA	73	15.73	37.411	30.00	-14.27	0.70	16.43	36.02	-19.59
2404	HDRPS2	iPA	1	8.29	6.745	30.00	-21.71	0.70	8.99	36.02	-27.03
2441	HDRPS2	iPA	38	8.72	7.447	30.00	-21.28	0.70	9.42	36.02	-26.60
2476	HDRPS2	iPA	73	8.85	7.674	30.00	-21.15	0.70	9.55	36.02	-26.47
2405	XHDRPM6	ePA	1	16.05	40.272	30.00	-13.95	0.70	16.75	36.02	-19.27
2441	XHDRPM6	ePA	38	16.03	40.087	30.00	-13.97	0.70	16.73	36.02	-19.29
2475	XHDRPM6	ePA	73	16.03	40.087	30.00	-13.97	0.70	16.73	36.02	-19.29
2405	XHDRPM6	iPA	1	8.28	6.730	30.00	-21.72	0.70	8.98	36.02	-27.04
2441	XHDRPM6	iPA	38	8.68	7.379	30.00	-21.33	0.70	9.38	36.02	-26.65
2475	XHDRPM6	iPA	73	8.86	7.691	30.00	-21.14	0.70	9.56	36.02	-26.46
2405	HDRPM16	ePA	1	16.61	45.814	30.00	-13.39	0.70	17.31	36.02	-18.71
2441	HDRPM16	ePA	38	16.59	45.604	30.00	-13.41	0.70	17.29	36.02	-18.73
2475	HDRPM16	ePA	73	16.49	44.566	30.00	-13.51	0.70	17.19	36.02	-18.83
2405	HDRPM16	iPA	1	7.16	5.200	30.00	-22.84	0.70	7.86	36.02	-28.16
2441	HDRPM16	iPA	38	7.86	6.109	30.00	-22.14	0.70	8.56	36.02	-27.46
2475	HDRPM16	iPA	73	7.77	5.984	30.00	-22.24	0.70	8.47	36.02	-27.56
2404	HDT2	ePA	1	15.69	37.068	30.00	-14.31	0.70	16.39	36.02	-19.63
2440	HDT2	ePA	37	15.63	36.559	30.00	-14.37	0.70	16.33	36.02	-19.69
2476	HDT2	ePA	73	15.63	36.559	30.00	-14.37	0.70	16.33	36.02	-19.69
2404	HDT2	iPA	1	8.23	6.653	30.00	-21.77	0.70	8.93	36.02	-27.09
2440	HDT2	iPA	37	8.67	7.362	30.00	-21.33	0.70	9.37	36.02	-26.65
2476	HDT2	iPA	73	8.71	7.430	30.00	-21.29	0.70	9.41	36.02	-26.61
2404	HDT4	ePA	1	16.37	43.351	30.00	-13.63	0.70	17.07	36.02	-18.95
2440	HDT4	ePA	37	16.27	42.364	30.00	-13.73	0.70	16.97	36.02	-19.05
2476	HDT4	ePA	73	16.29	42.560	30.00	-13.71	0.70	16.99	36.02	-19.03
2404	HDT4	iPA	1	9.08	8.091	30.00	-20.92	0.70	9.78	36.02	-26.24
2440	HDT4	iPA	37	8.93	7.816	30.00	-21.07	0.70	9.63	36.02	-26.39
2476	HDT4	iPA	73	8.95	7.852	30.00	-21.05	0.70	9.65	36.02	-26.37
2404	HDT6	ePA	1	17.13	51.642	30.00	-12.87	0.70	17.83	36.02	-18.19
2440	HDT6	ePA	37	17.15	51.880	30.00	-12.85	0.70	17.85	36.02	-18.17
2476	HDT6	ePA	73	17.07	50.933	30.00	-12.93	0.70	17.77	36.02	-18.25
2404	HDT6	iPA	1	7.74	5.943	30.00	-22.26	0.70	8.44	36.02	-27.58
2440	HDT6	iPA	37	8.20	6.607	30.00	-21.80	0.70	8.90	36.02	-27.12
2476	HDT6	iPA	73	8.23	6.653	30.00	-21.77	0.70	8.93	36.02	-27.09

Table 7-7. Peak Conducted Output Power Measurements Antenna 1a (Bluetooth HDR)

FCC ID: BCGA3462 IC: 579C-A3462	 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]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				Antenna 3a		Antenna 1a		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	15.96	38.548	15.36	34.356	18.62	72.778	30.00	-11.38	4.66	23.28	36.02	-12.74
2441	HDR4	ePA	38	16.08	40.551	15.42	34.834	18.77	75.336	30.00	-11.23	4.66	23.43	36.02	-12.59
2476	HDR4	ePA	73	16.08	40.551	15.32	34.041	18.72	74.473	30.00	-11.28	4.66	23.38	36.02	-12.64
2404	HDR4	iPA	1	8.29	6.745	8.10	6.457	11.21	13.213	30.00	-18.79	4.66	15.87	36.02	-20.15
2441	HDR4	iPA	38	8.35	6.839	8.60	7.244	11.49	14.093	30.00	-18.51	4.66	16.15	36.02	-19.87
2476	HDR4	iPA	73	8.51	7.096	8.49	7.063	11.51	14.158	30.00	-18.49	4.66	16.17	36.02	-19.85
2404	HDR8	ePA	1	15.83	38.282	15.38	34.514	18.62	72.778	30.00	-11.38	4.66	23.28	36.02	-12.74
2441	HDR8	ePA	38	16.04	40.179	15.39	34.594	18.74	74.817	30.00	-11.26	4.66	23.40	36.02	-12.62
2476	HDR8	ePA	73	16.04	40.179	15.30	33.884	18.70	74.131	30.00	-11.30	4.66	23.36	36.02	-12.66
2404	HDR8	iPA	1	8.21	6.622	8.04	6.368	11.14	13.002	30.00	-18.86	4.66	15.80	36.02	-20.22
2441	HDR8	iPA	38	8.23	6.653	8.50	7.079	11.38	13.740	30.00	-18.62	4.66	16.04	36.02	-19.98
2476	HDR8	iPA	73	8.43	6.966	8.33	6.808	11.39	13.772	30.00	-18.61	4.66	16.05	36.02	-19.97
2404	HDRPS2	ePA	1	15.88	38.726	15.78	37.844	18.84	76.560	30.00	-11.16	4.66	23.50	36.02	-12.52
2441	HDRPS2	ePA	38	16.37	43.351	15.78	37.844	19.09	81.096	30.00	-10.91	4.66	23.75	36.02	-12.27
2476	HDRPS2	ePA	73	15.69	37.068	15.73	37.411	18.72	74.473	30.00	-11.28	4.66	23.38	36.02	-12.64
2404	HDRPS2	iPA	1	8.67	7.362	8.26	6.699	11.48	14.060	30.00	-18.52	4.66	16.14	36.02	-19.88
2441	HDRPS2	iPA	38	8.79	7.568	8.70	7.413	11.76	14.997	30.00	-18.24	4.66	16.42	36.02	-19.60
2476	HDRPS2	iPA	73	8.88	7.727	8.83	7.638	11.86	15.346	30.00	-18.14	4.66	16.52	36.02	-19.50
2405	XHDRPM6	ePA	1	15.62	36.475	16.07	40.458	18.86	76.913	30.00	-11.14	4.66	23.52	36.02	-12.50
2441	XHDRPM6	ePA	38	15.85	38.459	16.02	39.994	18.94	78.343	30.00	-11.06	4.66	23.60	36.02	-12.42
2475	XHDRPM6	ePA	73	15.98	39.628	16.02	39.994	19.01	79.616	30.00	-10.99	4.66	23.67	36.02	-12.35
2405	XHDRPM6	iPA	1	8.60	7.244	8.26	6.699	11.44	13.932	30.00	-18.56	4.66	16.10	36.02	-19.92
2441	XHDRPM6	iPA	38	8.72	7.447	8.69	7.396	11.71	14.825	30.00	-18.29	4.66	16.37	36.02	-19.65
2475	XHDRPM6	iPA	73	8.89	7.745	8.84	7.656	11.88	15.417	30.00	-18.12	4.66	16.54	36.02	-19.48
2405	HDRPM16	ePA	1	16.08	40.551	16.56	45.290	19.34	85.901	30.00	-10.66	4.66	24.00	36.02	-12.02
2441	HDRPM16	ePA	38	16.37	43.351	16.54	45.082	19.47	88.512	30.00	-10.53	4.66	24.13	36.02	-11.89
2475	HDRPM16	ePA	73	16.44	44.055	17.05	50.699	19.77	94.842	30.00	-10.23	4.66	24.43	36.02	-11.59
2405	HDRPM16	iPA	1	7.73	5.929	7.13	5.164	10.45	11.092	30.00	-19.55	4.66	15.11	36.02	-20.91
2441	HDRPM16	iPA	38	7.83	6.067	7.85	6.095	10.85	12.162	30.00	-19.15	4.66	15.51	36.02	-20.51
2475	HDRPM16	iPA	73	7.82	6.053	7.71	5.902	10.78	11.967	30.00	-19.22	4.66	15.44	36.02	-20.58
2404	HDT2	ePA	1	16.34	43.053	15.77	37.757	19.07	80.724	30.00	-10.93	4.66	23.73	36.02	-12.29
2440	HDT2	ePA	37	16.03	40.087	15.67	36.898	18.87	77.090	30.00	-11.13	4.66	23.53	36.02	-12.49
2476	HDT2	ePA	73	16.15	41.210	15.66	36.813	18.92	77.983	30.00	-11.08	4.66	23.58	36.02	-12.44
2404	HDT2	iPA	1	8.53	7.129	8.26	6.699	11.41	13.836	30.00	-18.59	4.66	16.07	36.02	-19.95
2440	HDT2	iPA	37	8.72	7.447	8.68	7.379	11.71	14.825	30.00	-18.29	4.66	16.37	36.02	-19.65
2476	HDT2	iPA	73	8.74	7.482	8.69	7.396	11.72	14.859	30.00	-18.28	4.66	16.38	36.02	-19.64
2404	HDT4	ePA	1	16.44	44.055	15.87	38.637	19.17	82.604	30.00	-10.83	4.66	23.83	36.02	-12.19
2440	HDT4	ePA	37	16.65	46.238	16.33	42.954	19.50	89.125	30.00	-10.50	4.66	24.16	36.02	-11.86
2476	HDT4	ePA	73	16.81	47.973	16.35	43.152	19.60	91.201	30.00	-10.40	4.66	24.26	36.02	-11.76
2404	HDT4	iPA	1	8.81	7.603	9.08	8.091	11.96	15.704	30.00	-18.04	4.66	16.62	36.02	-19.40
2440	HDT4	iPA	37	9.00	7.943	8.93	7.816	11.98	15.776	30.00	-18.02	4.66	16.64	36.02	-19.38
2476	HDT4	iPA	73	9.00	7.943	9.02	7.980	12.02	15.922	30.00	-17.98	4.66	16.68	36.02	-19.34
2404	HDT6	ePA	1	16.74	47.206	17.20	52.481	19.99	99.770	30.00	-10.01	4.66	24.65	36.02	-11.37
2440	HDT6	ePA	37	16.95	49.545	17.12	51.523	20.05	101.158	30.00	-9.95	4.66	24.71	36.02	-11.31
2476	HDT6	ePA	73	16.56	45.290	17.11	51.404	19.85	96.805	30.00	-10.15	4.66	24.51	36.02	-11.51
2404	HDT6	iPA	1	8.01	6.324	7.77	5.984	10.90	12.303	30.00	-19.10	4.66	15.56	36.02	-20.46
2440	HDT6	iPA	37	7.75	5.957	8.24	6.668	11.01	12.618	30.00	-18.99	4.66	15.67	36.02	-20.35
2476	HDT6	iPA	73	8.15	6.531	8.24	6.668	11.21	13.213	30.00	-18.79	4.66	15.87	36.02	-20.15

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

FCC ID: BCGA3462 IC: 579C-A3462	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100082-16-R2.BCG	Test Dates: 09/15/2025 - 01/30/2026	EUT Type: Tablet Device	Page 63 of 222

7.4.2 Average Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Mode	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	13.41	21.928	30.00	-16.59	2.50	15.91	36.02	-20.11
2441	HDR4	ePA	38	13.15	20.654	30.00	-16.85	2.50	15.65	36.02	-20.37
2476	HDR4	ePA	73	13.22	20.989	30.00	-16.78	2.50	15.72	36.02	-20.30
2404	HDR4	iPA	1	5.59	3.622	30.00	-24.41	2.50	8.09	36.02	-27.93
2441	HDR4	iPA	38	5.68	3.698	30.00	-24.32	2.50	8.18	36.02	-27.84
2476	HDR4	iPA	73	5.75	3.758	30.00	-24.25	2.50	8.25	36.02	-27.77
2404	HDR8	ePA	1	13.30	21.380	30.00	-16.70	2.50	15.80	36.02	-20.22
2441	HDR8	ePA	38	13.18	20.797	30.00	-16.82	2.50	15.68	36.02	-20.34
2476	HDR8	ePA	73	13.26	21.184	30.00	-16.74	2.50	15.76	36.02	-20.26
2404	HDR8	iPA	1	5.54	3.581	30.00	-24.46	2.50	8.04	36.02	-27.98
2441	HDR8	iPA	38	5.73	3.741	30.00	-24.27	2.50	8.23	36.02	-27.79
2476	HDR8	iPA	73	5.77	3.776	30.00	-24.23	2.50	8.27	36.02	-27.75
2404	HDRPS2	ePA	1	13.37	21.727	30.00	-16.63	2.50	15.87	36.02	-20.15
2441	HDRPS2	ePA	38	13.14	20.606	30.00	-16.86	2.50	15.64	36.02	-20.38
2476	HDRPS2	ePA	73	13.19	20.845	30.00	-16.81	2.50	15.69	36.02	-20.33
2404	HDRPS2	iPA	1	5.73	3.741	30.00	-24.27	2.50	8.23	36.02	-27.79
2441	HDRPS2	iPA	38	5.87	3.864	30.00	-24.13	2.50	8.37	36.02	-27.65
2476	HDRPS2	iPA	73	5.91	3.899	30.00	-24.09	2.50	8.41	36.02	-27.61
2405	XHDRPM6	ePA	1	13.03	20.091	30.00	-16.97	2.50	15.53	36.02	-20.49
2441	XHDRPM6	ePA	38	13.27	21.232	30.00	-16.73	2.50	15.77	36.02	-20.25
2475	XHDRPM6	ePA	73	13.40	21.878	30.00	-16.60	2.50	15.90	36.02	-20.12
2405	XHDRPM6	iPA	1	5.73	3.741	30.00	-24.27	2.50	8.23	36.02	-27.79
2441	XHDRPM6	iPA	38	5.87	3.864	30.00	-24.13	2.50	8.37	36.02	-27.65
2475	XHDRPM6	iPA	73	5.89	3.882	30.00	-24.11	2.50	8.39	36.02	-27.63
2405	HDRPM16	ePA	1	11.11	12.912	30.00	-18.89	2.50	13.61	36.02	-22.41
2441	HDRPM16	ePA	38	11.41	13.836	30.00	-18.59	2.50	13.91	36.02	-22.11
2475	HDRPM16	ePA	73	10.99	12.560	30.00	-19.01	2.50	13.49	36.02	-22.53
2405	HDRPM16	iPA	1	2.97	1.982	30.00	-27.04	2.50	5.47	36.02	-30.56
2441	HDRPM16	iPA	38	2.50	1.778	30.00	-27.50	2.50	5.00	36.02	-31.02
2475	HDRPM16	iPA	73	2.94	1.968	30.00	-27.06	2.50	5.44	36.02	-30.58
2404	HDT2	ePA	1	13.36	21.677	30.00	-16.65	2.50	15.86	36.02	-20.17
2440	HDT2	ePA	37	13.05	20.184	30.00	-16.95	2.50	15.55	36.02	-20.47
2476	HDT2	ePA	73	13.15	20.654	30.00	-16.85	2.50	15.65	36.02	-20.37
2404	HDT2	iPA	1	5.71	3.724	30.00	-24.29	2.50	8.21	36.02	-27.81
2440	HDT2	iPA	37	5.86	3.855	30.00	-24.14	2.50	8.36	36.02	-27.66
2476	HDT2	iPA	73	5.91	3.899	30.00	-24.09	2.50	8.41	36.02	-27.61
2404	HDT4	ePA	1	13.08	20.324	30.00	-16.92	2.50	15.58	36.02	-20.44
2440	HDT4	ePA	37	13.29	21.330	30.00	-16.71	2.50	15.79	36.02	-20.23
2476	HDT4	ePA	73	13.48	22.284	30.00	-16.52	2.50	15.98	36.02	-20.04
2404	HDT4	iPA	1	5.73	3.741	30.00	-24.27	2.50	8.23	36.02	-27.79
2440	HDT4	iPA	37	5.80	3.802	30.00	-24.20	2.50	8.30	36.02	-27.72
2476	HDT4	iPA	73	5.85	3.846	30.00	-24.15	2.50	8.35	36.02	-27.67
2404	HDT6	ePA	1	11.23	13.274	30.00	-18.78	2.50	13.73	36.02	-22.30
2440	HDT6	ePA	37	11.45	13.964	30.00	-18.56	2.50	13.95	36.02	-22.08
2476	HDT6	ePA	73	11.06	12.764	30.00	-18.94	2.50	13.56	36.02	-22.46
2404	HDT6	iPA	1	2.88	1.941	30.00	-27.12	2.50	5.38	36.02	-30.64
2440	HDT6	iPA	37	2.97	1.982	30.00	-27.03	2.50	5.47	36.02	-30.55
2476	HDT6	iPA	73	2.96	1.977	30.00	-27.04	2.50	5.46	36.02	-30.56

Table 7-9. Average Conducted Output Power Measurements Antenna 3a (Bluetooth HDR)

FCC ID: BCGA3462 IC: 579C-A3462	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100082-16-R2.BCG	Test Dates: 09/15/2025 - 01/30/2026	EUT Type: Tablet Device	Page 64 of 222

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Frequency [MHz]	Mode	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	12.63	18.323	30.00	-17.37	0.70	13.33	36.02	-22.69
2441	HDR4	ePA	38	12.77	18.923	30.00	-17.23	0.70	13.47	36.02	-22.55
2476	HDR4	ePA	73	12.64	18.365	30.00	-17.36	0.70	13.34	36.02	-22.68
2404	HDR4	iPA	1	5.67	3.690	30.00	-24.33	0.70	6.37	36.02	-29.65
2441	HDR4	iPA	38	5.74	3.750	30.00	-24.26	0.70	6.44	36.02	-29.58
2476	HDR4	iPA	73	5.52	3.565	30.00	-24.48	0.70	6.22	36.02	-29.80
2404	HDR8	ePA	1	12.70	18.621	30.00	-17.30	0.70	13.40	36.02	-22.62
2441	HDR8	ePA	38	12.70	18.621	30.00	-17.30	0.70	13.40	36.02	-22.62
2476	HDR8	ePA	73	12.62	18.281	30.00	-17.38	0.70	13.32	36.02	-22.70
2404	HDR8	iPA	1	5.62	3.648	30.00	-24.39	0.70	6.32	36.02	-29.71
2441	HDR8	iPA	38	5.91	3.899	30.00	-24.09	0.70	6.61	36.02	-29.41
2476	HDR8	iPA	73	5.67	3.690	30.00	-24.33	0.70	6.37	36.02	-29.65
2404	HDRPS2	ePA	1	12.64	18.365	30.00	-17.36	0.70	13.34	36.02	-22.68
2441	HDRPS2	ePA	38	12.66	18.450	30.00	-17.34	0.70	13.36	36.02	-22.66
2476	HDRPS2	ePA	73	12.46	17.620	30.00	-17.54	0.70	13.16	36.02	-22.86
2404	HDRPS2	iPA	1	5.47	3.524	30.00	-24.53	0.70	6.17	36.02	-29.85
2441	HDRPS2	iPA	38	5.74	3.750	30.00	-24.26	0.70	6.44	36.02	-29.58
2476	HDRPS2	iPA	73	5.81	3.811	30.00	-24.19	0.70	6.51	36.02	-29.51
2405	XHDRPM6	ePA	1	12.89	19.454	30.00	-17.11	0.70	13.59	36.02	-22.43
2441	XHDRPM6	ePA	38	12.83	19.187	30.00	-17.17	0.70	13.53	36.02	-22.49
2475	XHDRPM6	ePA	73	12.93	19.634	30.00	-17.07	0.70	13.63	36.02	-22.39
2405	XHDRPM6	iPA	1	5.44	3.499	30.00	-24.57	0.70	6.14	36.02	-29.89
2441	XHDRPM6	iPA	38	5.77	3.776	30.00	-24.23	0.70	6.47	36.02	-29.55
2475	XHDRPM6	iPA	73	5.81	3.811	30.00	-24.19	0.70	6.51	36.02	-29.51
2405	HDRPM16	ePA	1	11.54	14.256	30.00	-18.46	0.70	12.24	36.02	-23.78
2441	HDRPM16	ePA	38	11.54	14.256	30.00	-18.47	0.70	12.24	36.02	-23.79
2475	HDRPM16	ePA	73	11.46	13.996	30.00	-18.54	0.70	12.16	36.02	-23.86
2405	HDRPM16	iPA	1	2.35	1.718	30.00	-27.65	0.70	3.05	36.02	-32.97
2441	HDRPM16	iPA	38	2.99	1.991	30.00	-27.01	0.70	3.69	36.02	-32.33
2475	HDRPM16	iPA	73	2.82	1.914	30.00	-27.18	0.70	3.52	36.02	-32.50
2404	HDT2	ePA	1	12.68	18.535	30.00	-17.32	0.70	13.38	36.02	-22.64
2440	HDT2	ePA	37	12.64	18.365	30.00	-17.36	0.70	13.34	36.02	-22.68
2476	HDT2	ePA	73	12.65	18.408	30.00	-17.35	0.70	13.35	36.02	-22.67
2404	HDT2	iPA	1	5.53	3.573	30.00	-24.47	0.70	6.23	36.02	-29.79
2440	HDT2	iPA	37	5.77	3.776	30.00	-24.23	0.70	6.47	36.02	-29.55
2476	HDT2	iPA	73	5.84	3.837	30.00	-24.16	0.70	6.54	36.02	-29.48
2404	HDT4	ePA	1	12.94	19.679	30.00	-17.06	0.70	13.64	36.02	-22.38
2440	HDT4	ePA	37	12.87	19.364	30.00	-17.13	0.70	13.57	36.02	-22.45
2476	HDT4	ePA	73	12.88	19.409	30.00	-17.12	0.70	13.58	36.02	-22.44
2404	HDT4	iPA	1	5.52	3.565	30.00	-24.48	0.70	6.22	36.02	-29.80
2440	HDT4	iPA	37	5.71	3.724	30.00	-24.29	0.70	6.41	36.02	-29.61
2476	HDT4	iPA	73	5.76	3.767	30.00	-24.24	0.70	6.46	36.02	-29.56
2404	HDT6	ePA	1	11.56	14.322	30.00	-18.44	0.70	12.26	36.02	-23.76
2440	HDT6	ePA	37	11.54	14.256	30.00	-18.46	0.70	12.24	36.02	-23.78
2476	HDT6	ePA	73	11.52	14.191	30.00	-18.48	0.70	12.22	36.02	-23.80
2404	HDT6	iPA	1	2.65	1.841	30.00	-27.35	0.70	3.35	36.02	-32.67
2440	HDT6	iPA	37	2.92	1.959	30.00	-27.09	0.70	3.62	36.02	-32.41
2476	HDT6	iPA	73	2.95	1.972	30.00	-27.05	0.70	3.65	36.02	-32.37

Table 7-10. Average Conducted Output Power Measurements Antenna 1a (Bluetooth HDR)

FCC ID: BCGA3462 IC: 579C-A3462	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100082-16-R2.BCG	Test Dates: 09/15/2025 - 01/30/2026	EUT Type: Tablet Device	Page 65 of 222

Frequency [MHz]	Mode	Power Scheme	Channel No.	Average Conducted Power						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				Antenna 3a		Antenna 1a		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	13.17	20.749	12.71	18.664	15.95	39.355	30.00	-14.05	4.66	20.61	36.02	-15.41
2441	HDR4	ePA	38	13.44	22.080	12.81	19.099	16.15	41.210	30.00	-13.85	4.66	20.81	36.02	-15.21
2476	HDR4	ePA	73	13.44	22.080	12.70	18.621	16.10	40.738	30.00	-13.90	4.66	20.76	36.02	-15.26
2404	HDR4	iPA	1	5.68	3.698	5.59	3.622	8.64	7.311	30.00	-21.36	4.66	13.30	36.02	-22.72
2441	HDR4	iPA	38	5.80	3.802	5.89	3.882	8.85	7.674	30.00	-21.15	4.66	13.51	36.02	-22.51
2476	HDR4	iPA	73	5.81	3.811	5.78	3.784	8.80	7.586	30.00	-21.20	4.66	13.46	36.02	-22.56
2404	HDR8	ePA	1	13.19	20.845	12.65	18.408	15.94	39.264	30.00	-14.06	4.66	20.60	36.02	-15.42
2441	HDR8	ePA	38	13.37	21.727	12.76	18.880	16.06	40.551	30.00	-13.92	4.66	20.74	36.02	-15.28
2476	HDR8	ePA	73	13.44	22.080	12.62	18.281	16.06	40.365	30.00	-13.94	4.66	20.72	36.02	-15.30
2404	HDR8	iPA	1	5.60	3.631	5.54	3.581	8.58	7.211	30.00	-21.42	4.66	13.24	36.02	-22.78
2441	HDR8	iPA	38	5.59	3.622	5.86	3.855	8.74	7.482	30.00	-21.26	4.66	13.40	36.02	-22.62
2476	HDR8	iPA	73	5.71	3.724	5.79	3.793	8.76	7.516	30.00	-21.24	4.66	13.42	36.02	-22.60
2404	HDRPS2	ePA	1	12.66	18.450	12.67	18.493	15.68	36.983	30.00	-14.32	4.66	20.34	36.02	-15.68
2441	HDRPS2	ePA	38	13.25	21.135	12.50	17.783	15.90	38.905	30.00	-14.10	4.66	20.56	36.02	-15.46
2476	HDRPS2	ePA	73	12.71	16.664	12.71	18.664	15.72	37.325	30.00	-14.28	4.66	20.38	36.02	-15.64
2404	HDRPS2	iPA	1	5.65	3.673	5.47	3.524	8.57	7.194	30.00	-21.43	4.66	13.23	36.02	-22.79
2441	HDRPS2	iPA	38	5.81	3.811	5.74	3.750	8.79	7.568	30.00	-21.21	4.66	13.45	36.02	-22.57
2476	HDRPS2	iPA	73	5.77	3.776	5.70	3.715	8.75	7.499	30.00	-21.25	4.66	13.41	36.02	-22.61
2405	XHDRPM6	ePA	1	12.59	18.155	12.97	19.815	15.80	38.019	30.00	-14.20	4.66	20.46	36.02	-15.56
2441	XHDRPM6	ePA	38	12.83	19.187	12.85	19.275	15.85	38.459	30.00	-14.15	4.66	20.51	36.02	-15.51
2475	XHDRPM6	ePA	73	12.86	19.320	12.81	19.099	15.85	38.459	30.00	-14.15	4.66	20.51	36.02	-15.51
2405	XHDRPM6	iPA	1	5.76	3.767	5.42	3.483	8.60	7.244	30.00	-21.40	4.66	13.26	36.02	-22.76
2441	XHDRPM6	iPA	38	5.84	3.837	5.77	3.776	8.81	7.603	30.00	-21.19	4.66	13.47	36.02	-22.55
2475	XHDRPM6	iPA	73	5.80	3.802	5.70	3.715	8.76	7.516	30.00	-21.24	4.66	13.42	36.02	-22.60
2405	HDRPM16	ePA	1	11.08	12.823	11.51	14.158	14.31	26.977	30.00	-15.69	4.66	18.97	36.02	-17.05
2441	HDRPM16	ePA	38	11.36	13.677	11.47	14.028	14.42	27.069	30.00	-15.58	4.66	19.08	36.02	-16.94
2475	HDRPM16	ePA	73	11.50	14.125	11.94	15.631	14.73	29.717	30.00	-15.27	4.66	19.39	36.02	-16.63
2405	HDRPM16	iPA	1	2.90	1.950	2.32	1.706	5.63	3.656	30.00	-24.37	4.66	10.29	36.02	-25.73
2441	HDRPM16	iPA	38	2.98	1.977	2.94	1.968	5.96	3.945	30.00	-24.04	4.66	10.62	36.02	-25.40
2475	HDRPM16	iPA	73	2.99	1.991	2.76	1.888	5.89	3.882	30.00	-24.11	4.66	10.55	36.02	-25.47
2404	HD T2	ePA	1	13.36	21.677	12.78	18.880	16.08	40.551	30.00	-13.92	4.66	20.74	36.02	-15.28
2440	HD T2	ePA	37	13.06	20.230	12.70	18.621	15.89	38.815	30.00	-14.11	4.66	20.55	36.02	-15.47
2476	HD T2	ePA	73	13.21	20.941	12.70	18.621	15.97	39.537	30.00	-14.03	4.66	20.83	36.02	-15.39
2404	HD T2	iPA	1	5.76	3.767	5.56	3.597	8.67	7.362	30.00	-21.33	4.66	13.33	36.02	-22.69
2440	HD T2	iPA	37	5.89	3.882	5.81	3.811	8.86	7.691	30.00	-21.14	4.66	13.52	36.02	-22.50
2476	HD T2	iPA	73	5.94	3.926	5.88	3.873	8.92	7.798	30.00	-21.08	4.66	13.58	36.02	-22.44
2404	HD T4	ePA	1	13.09	20.370	12.49	17.742	15.81	38.107	30.00	-14.19	4.66	20.47	36.02	-15.55
2440	HD T4	ePA	37	13.28	21.281	12.94	19.679	16.13	41.020	30.00	-13.87	4.66	20.79	36.02	-15.23
2476	HD T4	ePA	73	13.45	22.131	12.95	19.724	16.22	41.879	30.00	-13.78	4.66	20.88	36.02	-15.14
2404	HD T4	iPA	1	5.76	3.767	5.57	3.606	8.68	7.379	30.00	-21.32	4.66	13.34	36.02	-22.68
2440	HD T4	iPA	37	5.86	3.855	5.75	3.758	8.82	7.621	30.00	-21.18	4.66	13.48	36.02	-22.54
2476	HD T4	iPA	73	5.89	3.882	5.79	3.793	8.85	7.674	30.00	-21.15	4.66	13.51	36.02	-22.51
2404	HD T6	ePA	1	11.23	13.274	11.65	14.622	14.45	27.861	30.00	-15.55	4.66	19.11	36.02	-16.91
2440	HD T6	ePA	37	11.44	13.932	11.60	14.454	14.53	28.379	30.00	-15.47	4.66	19.19	36.02	-16.83
2476	HD T6	ePA	73	11.05	12.735	11.60	14.454	14.35	27.227	30.00	-15.65	4.66	19.01	36.02	-17.01
2404	HD T6	iPA	1	2.92	1.959	2.68	1.854	5.81	3.811	30.00	-24.19	4.66	10.47	36.02	-25.55
2440	HD T6	iPA	37	2.52	1.786	2.97	1.982	5.76	3.767	30.00	-24.24	4.66	10.42	36.02	-25.60
2476	HD T6	iPA	73	2.95	1.972	2.96	1.977	5.96	3.945	30.00	-24.04	4.66	10.62	36.02	-25.40

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

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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 3a and Antenna 1a 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 13.17 dBm for Antenna 3a and 12.71 dBm for Antenna 1a.

$$\text{Antenna 3a} + \text{Antenna 1a} = \text{TxBF}$$

$$(13.17 \text{ dBm} + 12.71 \text{ dBm}) = (20.749 \text{ mW} + 18.664 \text{ mW}) = 39.355 \text{ mW} = 15.95 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 2404MHz, the average conducted output power was calculated to be 15.95 dBm with antenna gain of 4.66 dBi.

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

$$15.95 \text{ dBm} + 4.66 \text{ dBi} = 20.61 \text{ dBm}$$

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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.

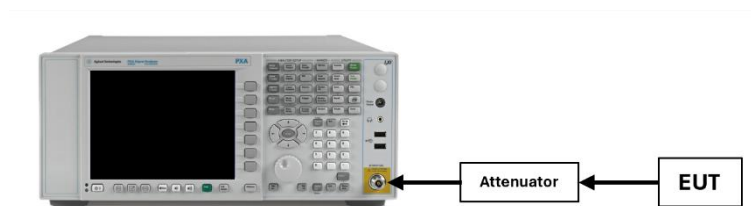


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

None

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7.5.1 Antenna 3a

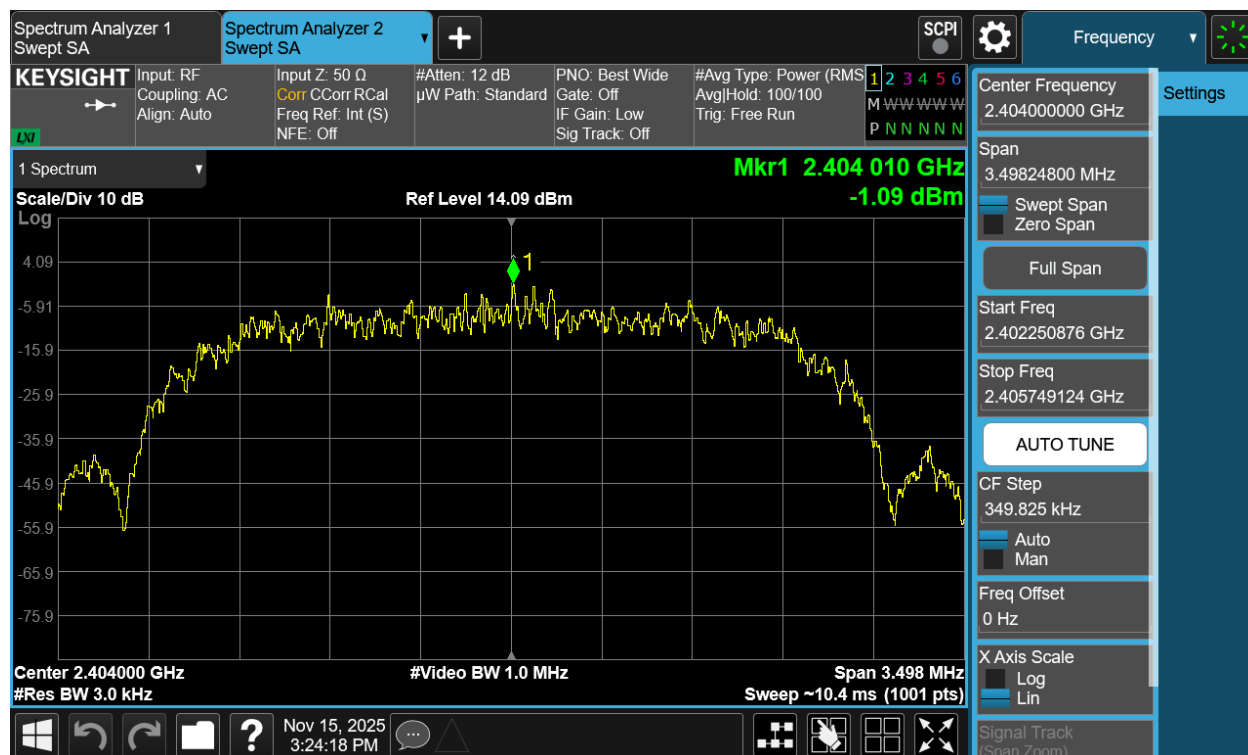
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-1.09	8.0	-9.09
2441	HDR4	ePA	38	-1.43	8.0	-9.43
2476	HDR4	ePA	73	-1.52	8.0	-9.52
2404	HDR4	iPA	1	-9.02	8.0	-17.02
2441	HDR4	iPA	38	-9.02	8.0	-17.02
2476	HDR4	iPA	73	-9.22	8.0	-17.22
2404	HDR8	ePA	1	-2.79	8.0	-10.79
2441	HDR8	ePA	38	-3.21	8.0	-11.21
2476	HDR8	ePA	73	-3.04	8.0	-11.04
2404	HDR8	iPA	1	-10.68	8.0	-18.68
2441	HDR8	iPA	38	-10.73	8.0	-18.73
2476	HDR8	iPA	73	-10.94	8.0	-18.94
2404	HDRPS2	ePA	1	-3.54	8.0	-11.54
2441	HDRPS2	ePA	38	-3.70	8.0	-11.70
2476	HDRPS2	ePA	73	-3.66	8.0	-11.66
2404	HDRPS2	iPA	1	-11.11	8.0	-19.11
2441	HDRPS2	iPA	38	-11.06	8.0	-19.06
2476	HDRPS2	iPA	73	-11.39	8.0	-19.39
2404	XHDRPM6	ePA	1	-7.75	8.0	-15.75
2441	XHDRPM6	ePA	38	-7.97	8.0	-15.97
2476	XHDRPM6	ePA	73	-7.70	8.0	-15.70
2404	XHDRPM6	iPA	1	-15.28	8.0	-23.28
2441	XHDRPM6	iPA	38	-15.24	8.0	-23.24
2476	XHDRPM6	iPA	73	-15.31	8.0	-23.31
2404	HDRPM16	ePA	1	-7.93	8.0	-15.93
2441	HDRPM16	ePA	38	-7.92	8.0	-15.92
2476	HDRPM16	ePA	73	-8.20	8.0	-16.20
2404	HDRPM16	iPA	1	-16.50	8.0	-24.50
2441	HDRPM16	iPA	38	-17.12	8.0	-25.12
2476	HDRPM16	iPA	73	-16.76	8.0	-24.76
2404	HDT2	ePA	1	-6.08	8.0	-14.08
2440	HDT2	ePA	37	-6.39	8.0	-14.39
2476	HDT2	ePA	73	-6.29	8.0	-14.29
2404	HDT2	iPA	1	-13.53	8.0	-21.53
2440	HDT2	iPA	37	-13.71	8.0	-21.71
2476	HDT2	iPA	73	-13.62	8.0	-21.62

Table 7-12. Conducted Power Density Measurements Antenna 3a

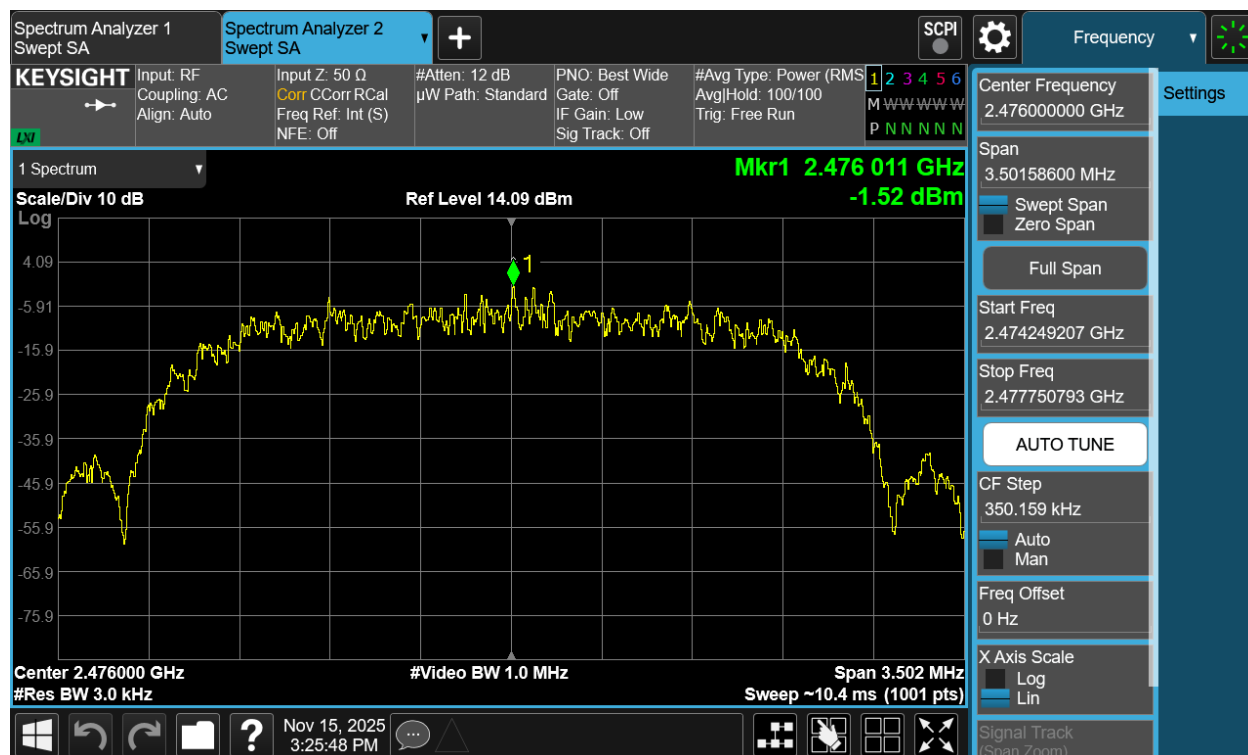
FCC ID: BCGA3462 IC: 579C-A3462	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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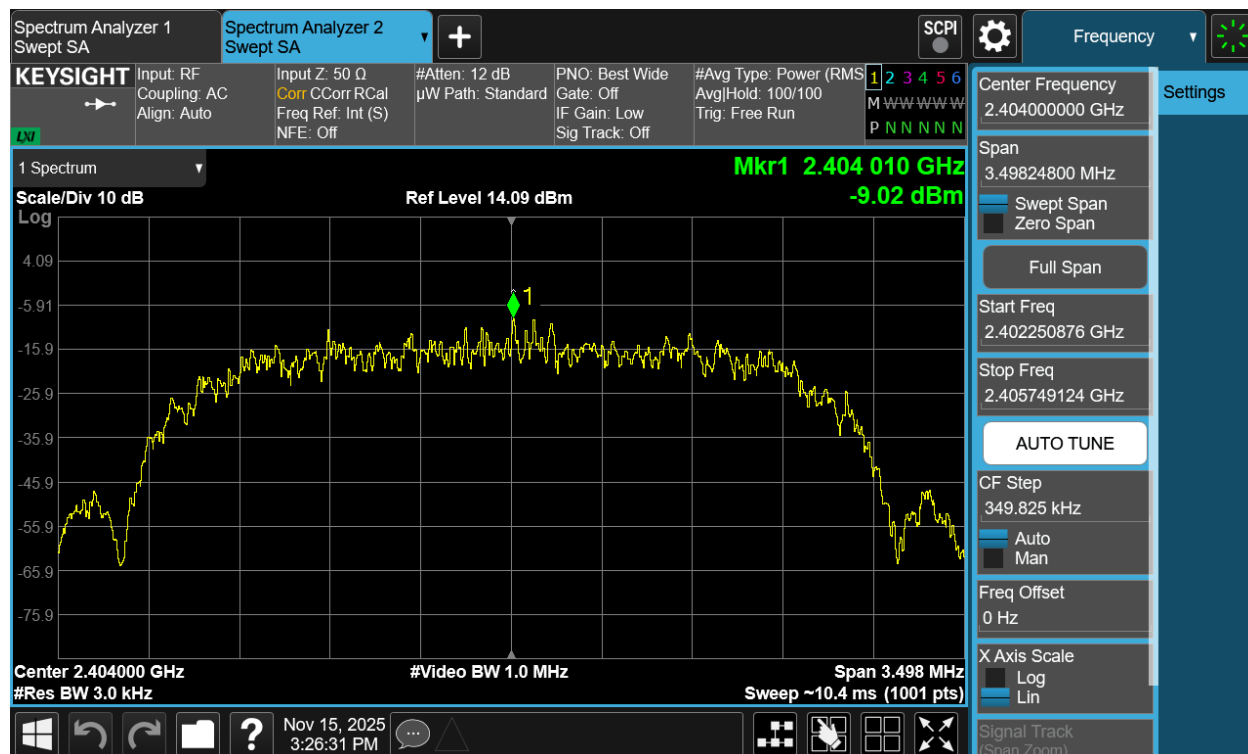
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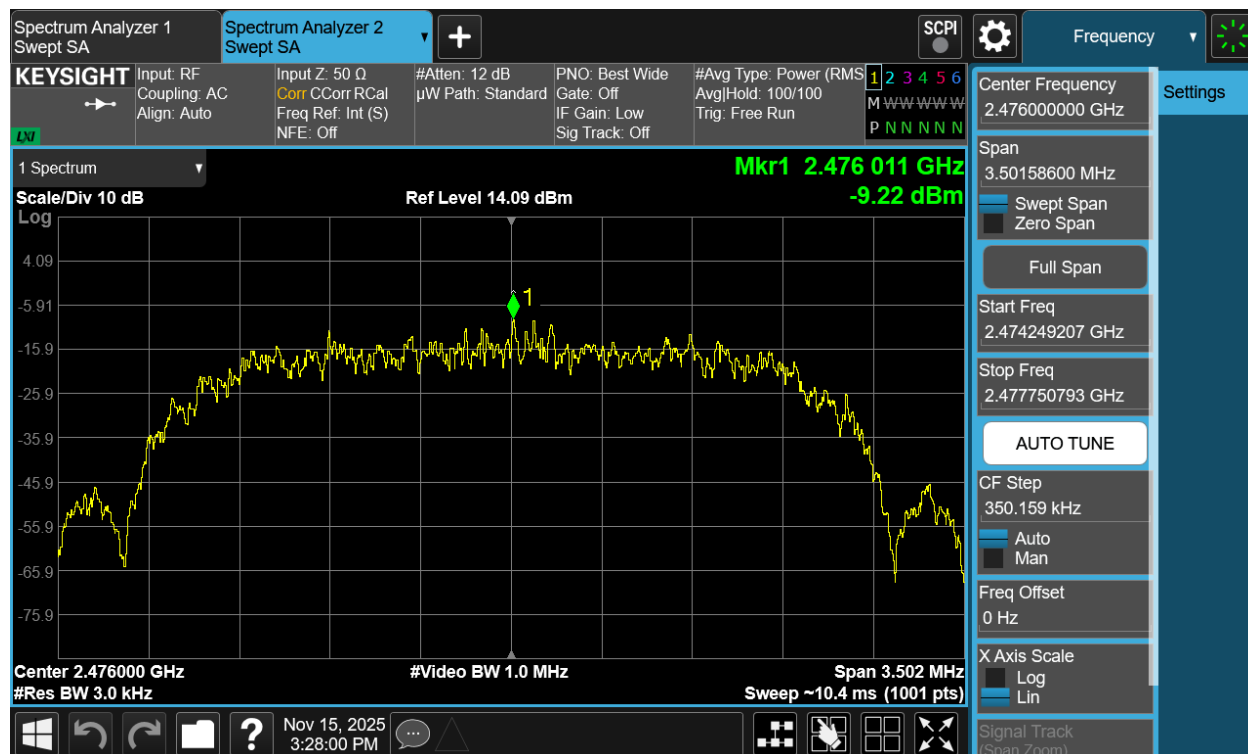
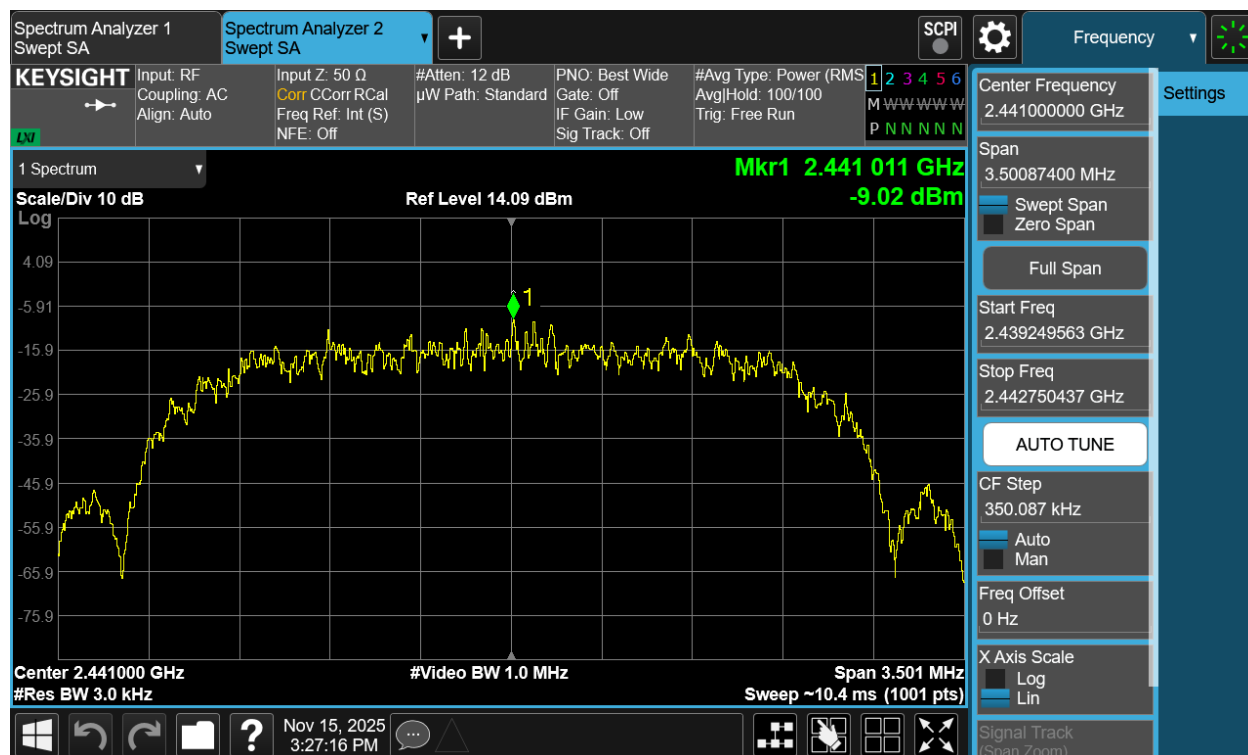


Plot 7-75. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

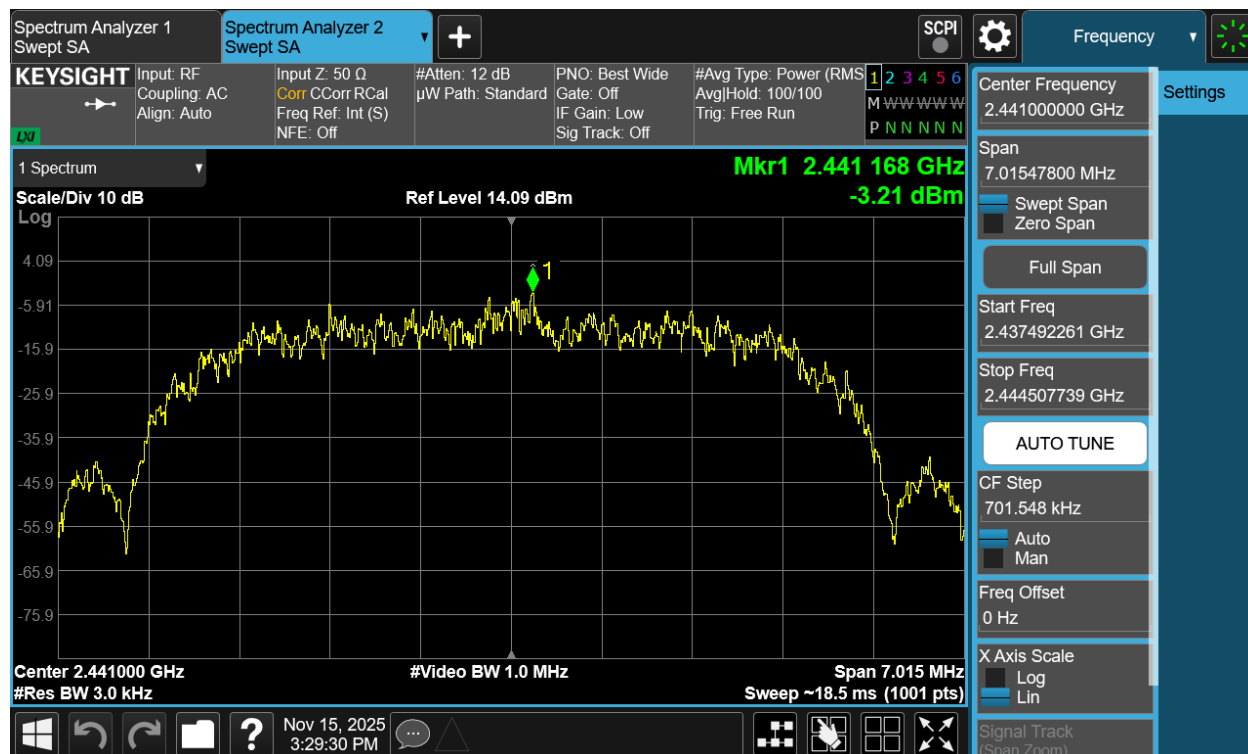
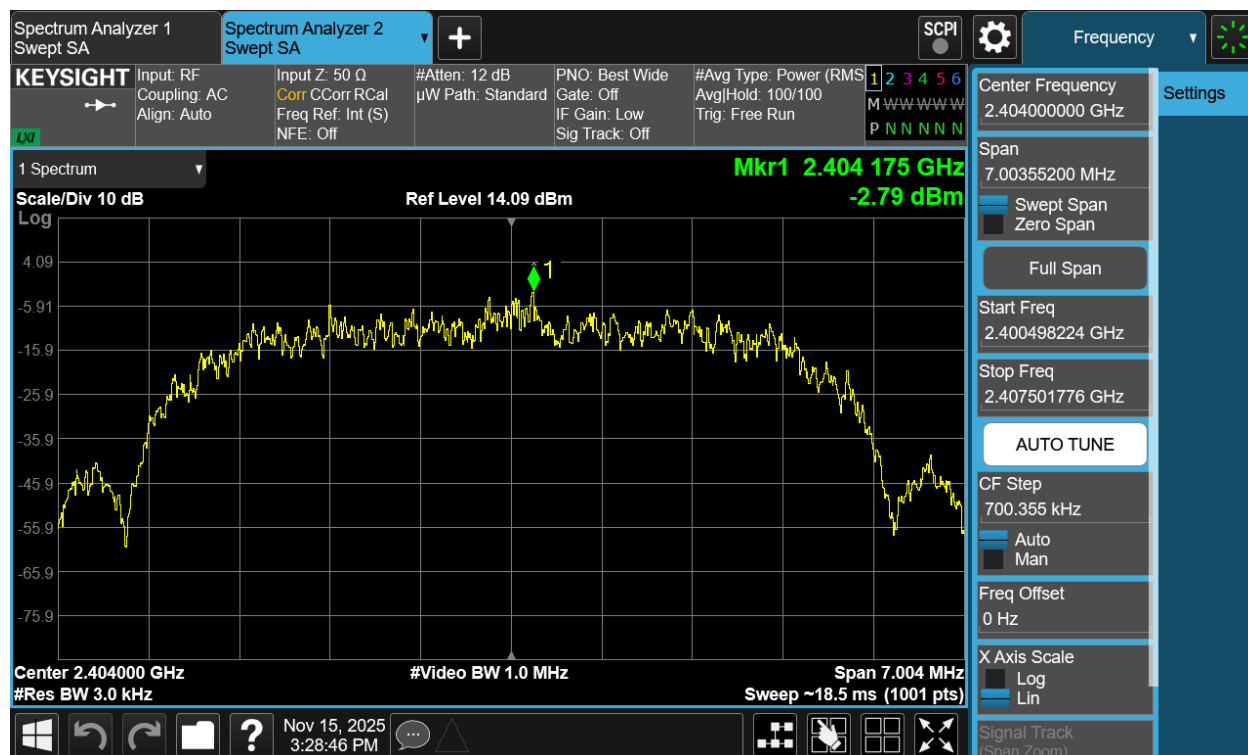


Plot 7-76. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

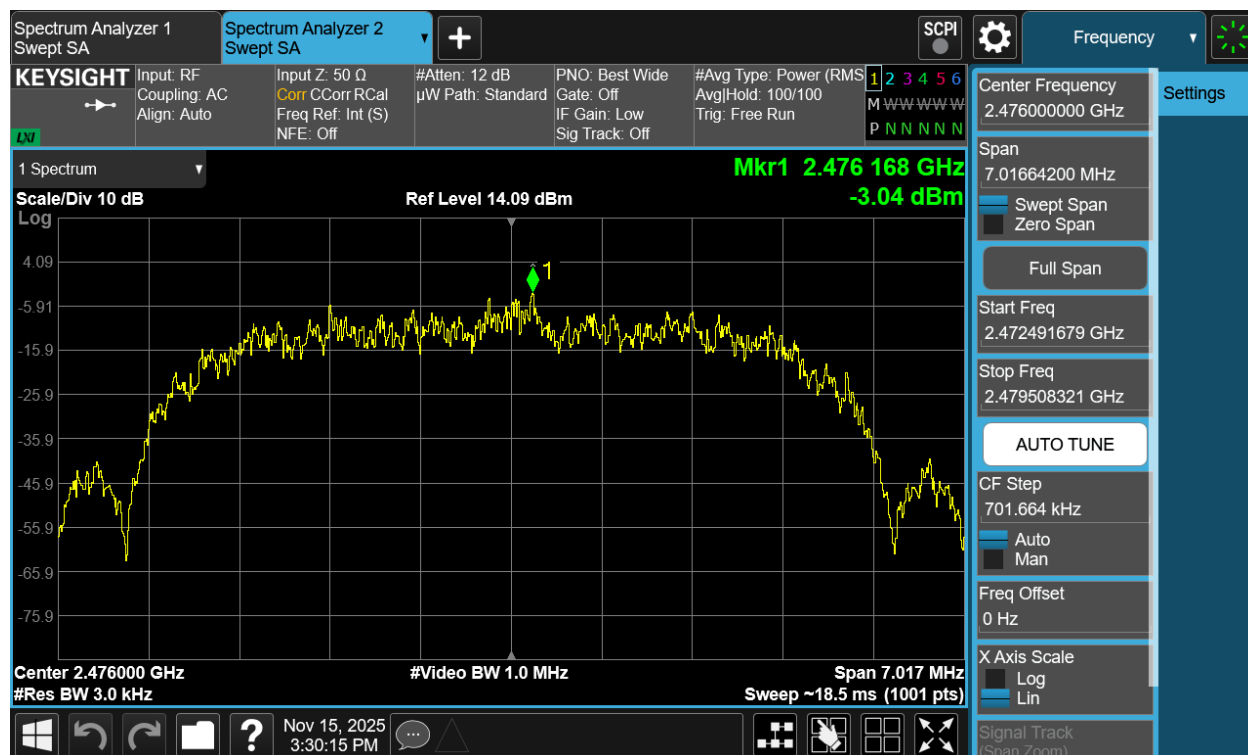
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Test Report S/N: 1C2509100082-16-R2.BCG	Test Dates: 09/15/2025 - 01/30/2026	EUT Type: Tablet Device	Page 71 of 222



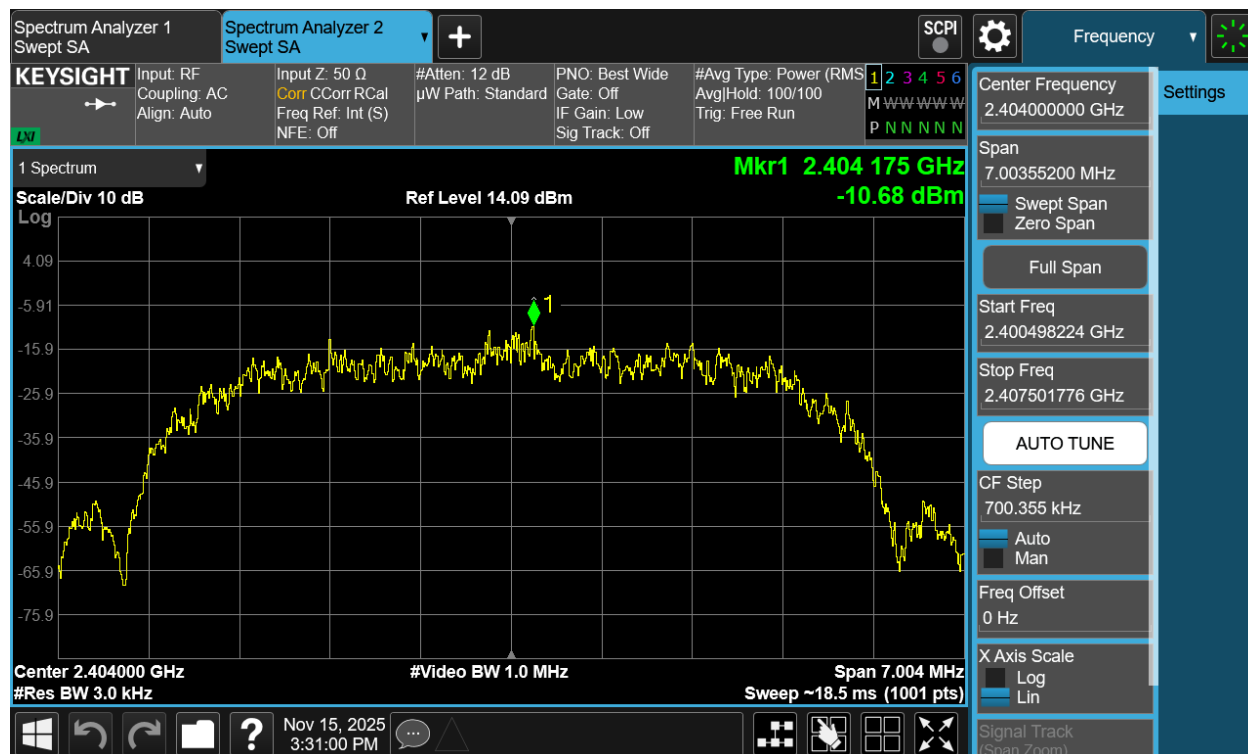
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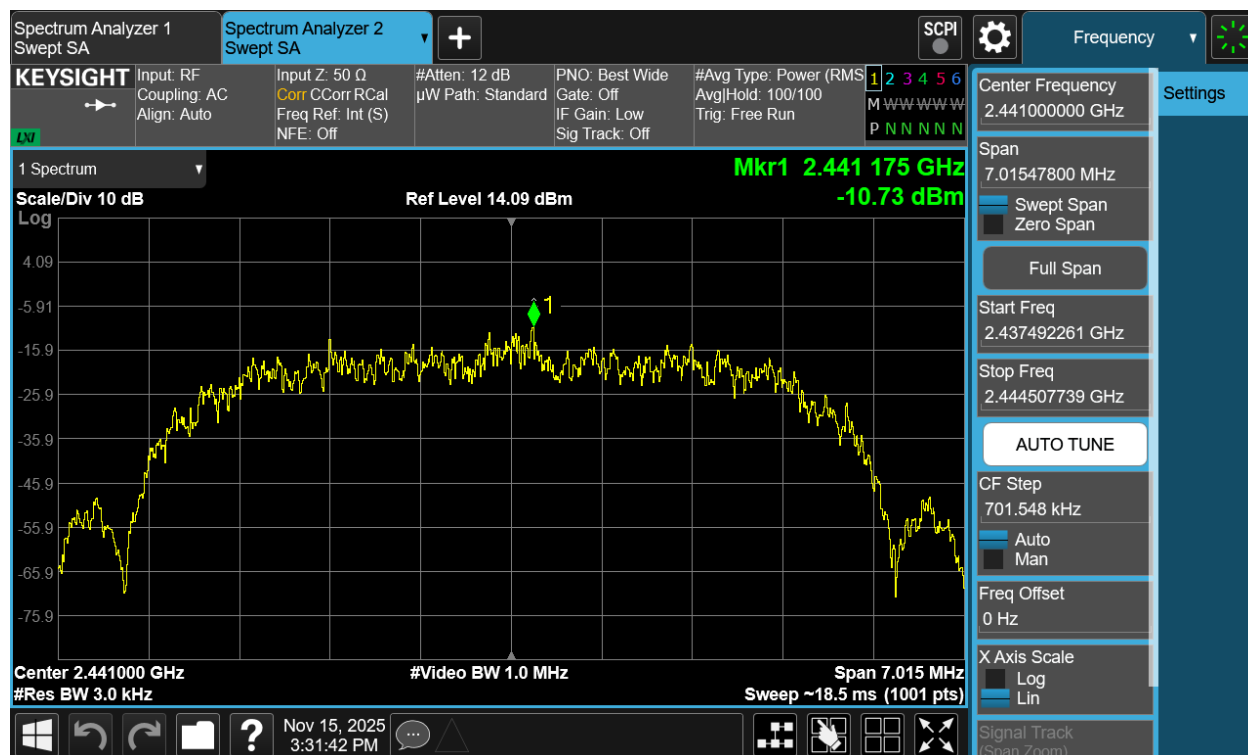


Plot 7-81. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

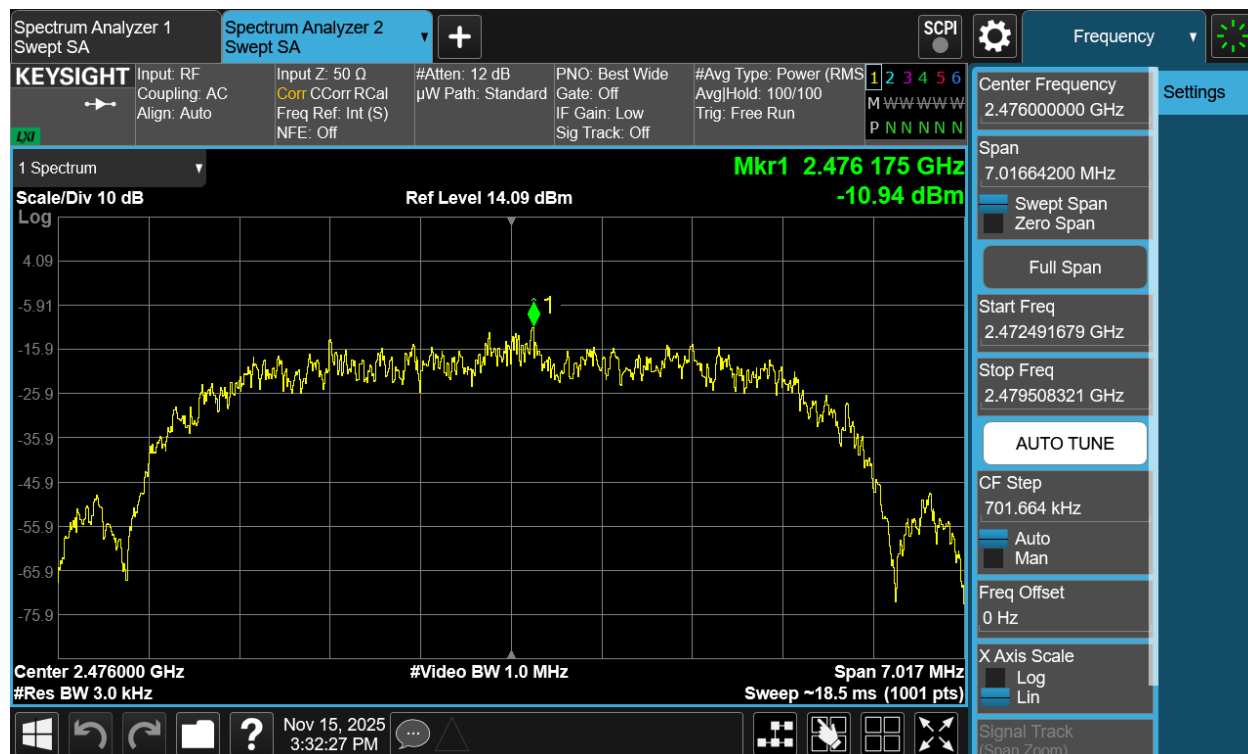


Plot 7-82. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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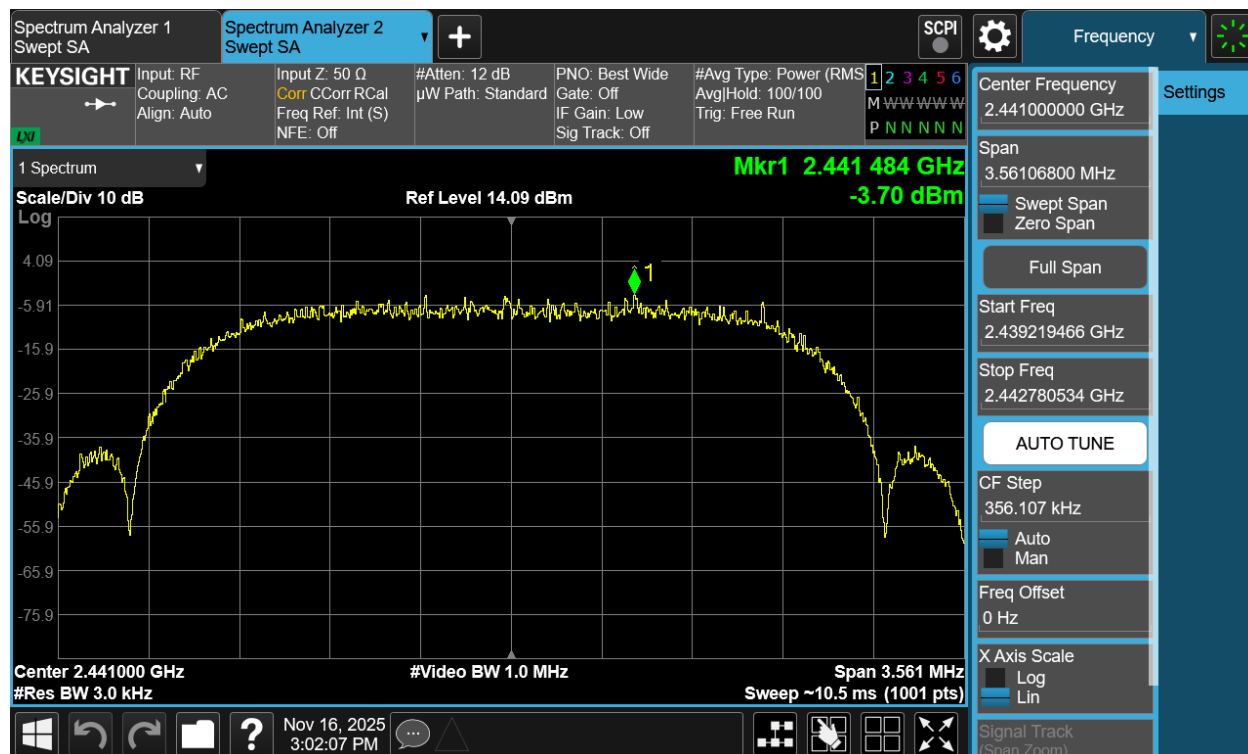
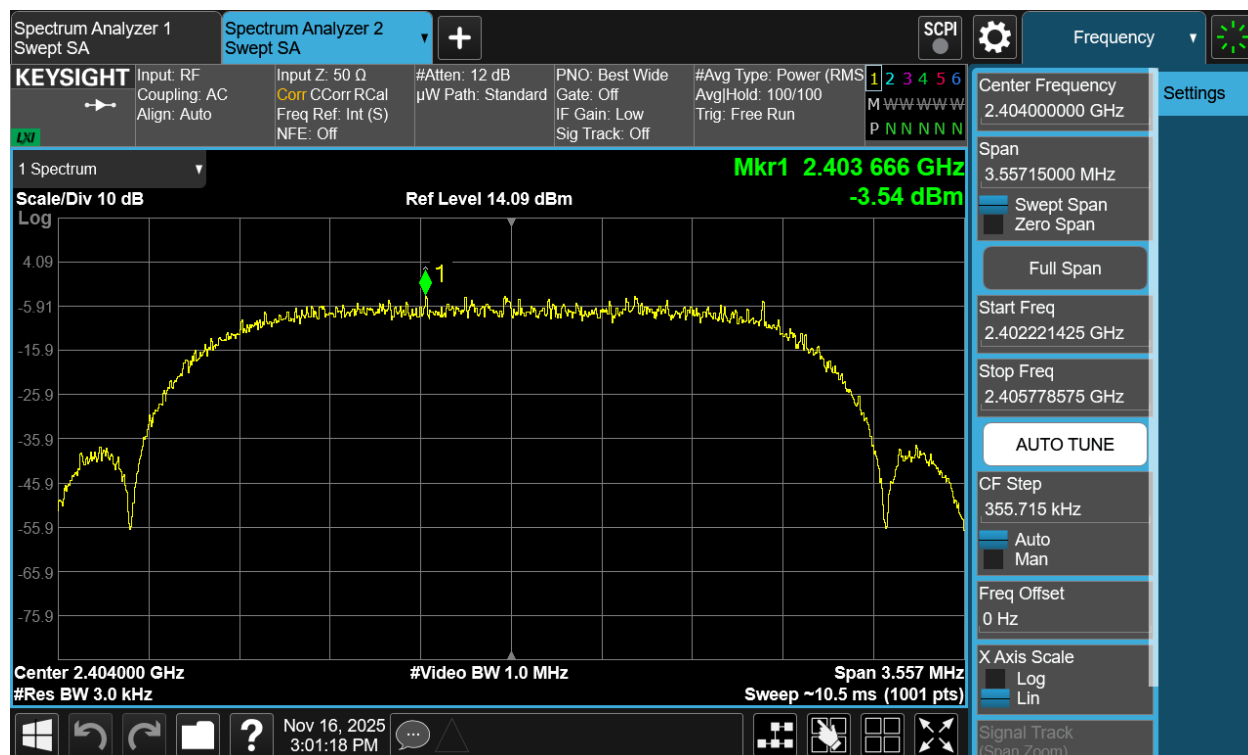


Plot 7-83. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 38)

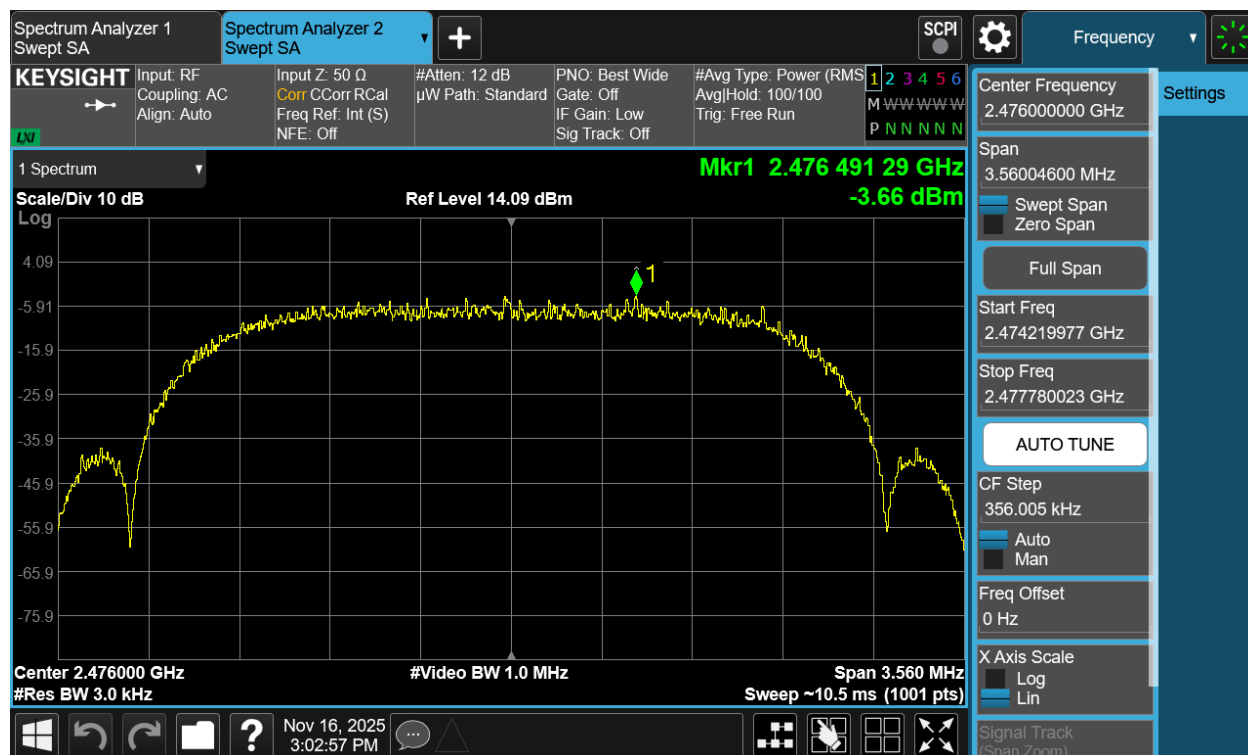


Plot 7-84. Power Spectral Density Plot Antenna 3a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)

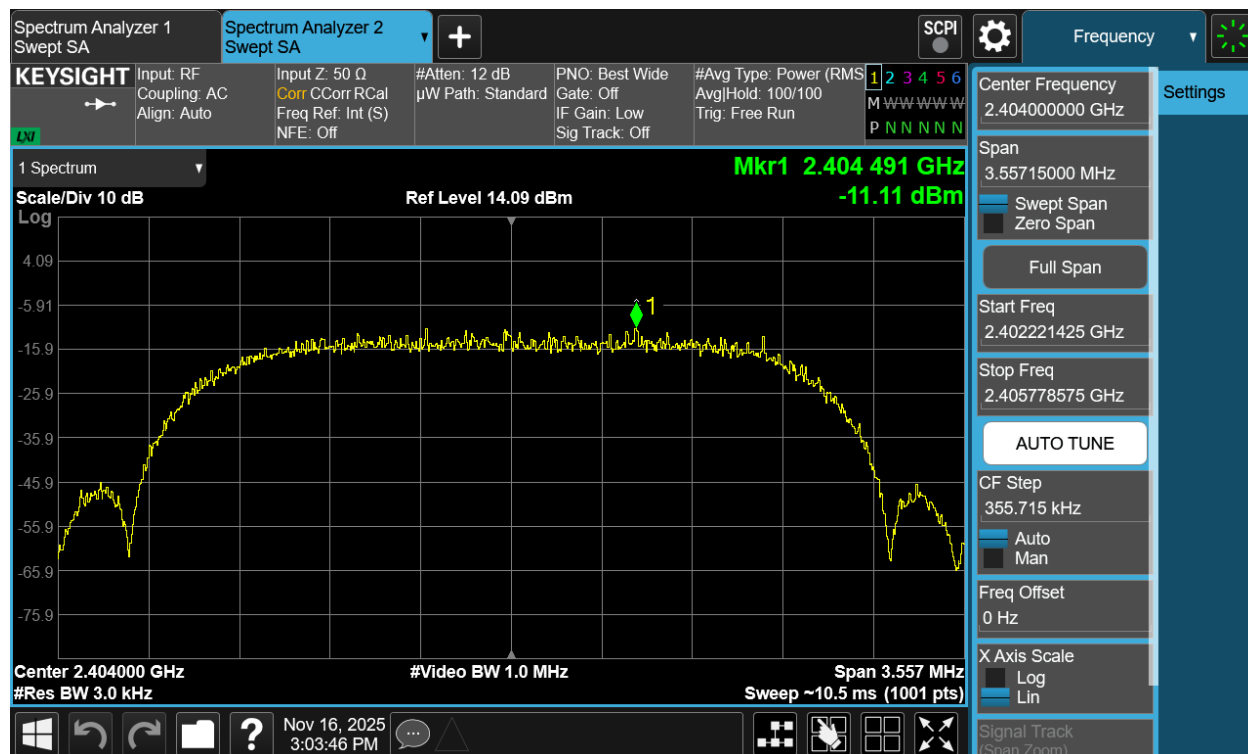
FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100082-16-R2.BCG	Test Dates: 09/15/2025 - 01/30/2026	EUT Type: Tablet Device	Page 75 of 222



FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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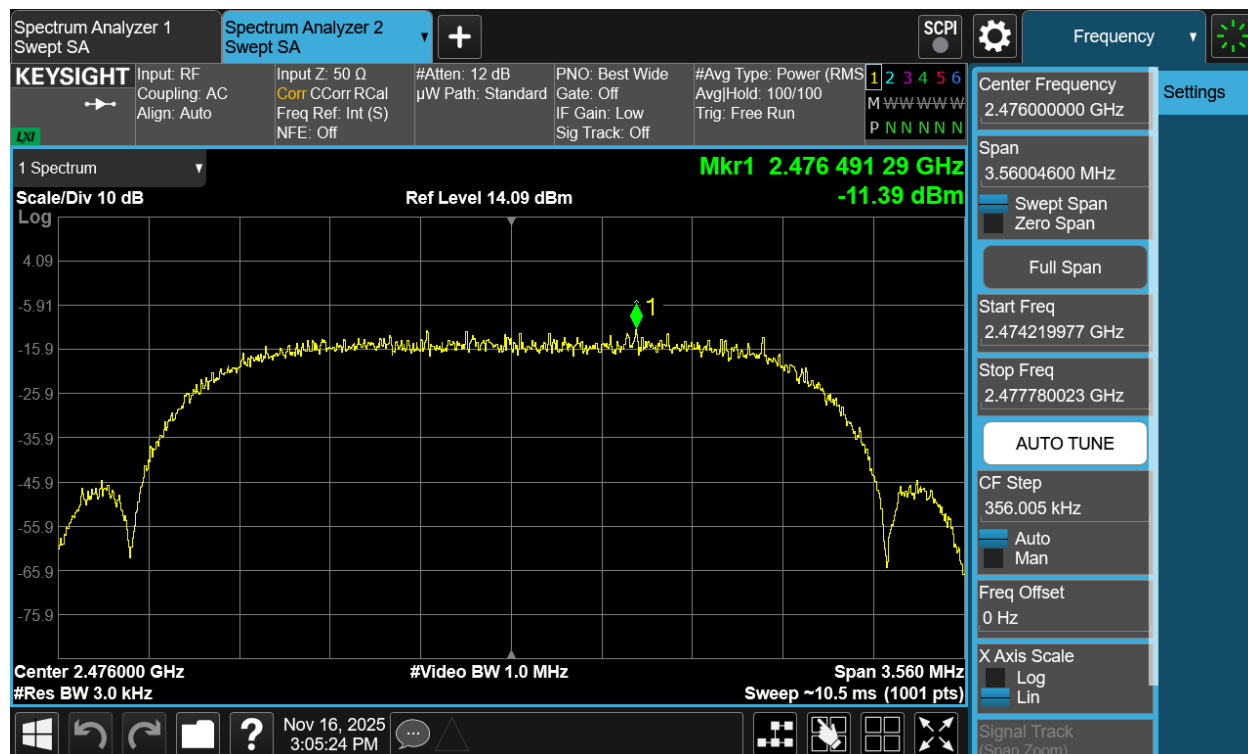
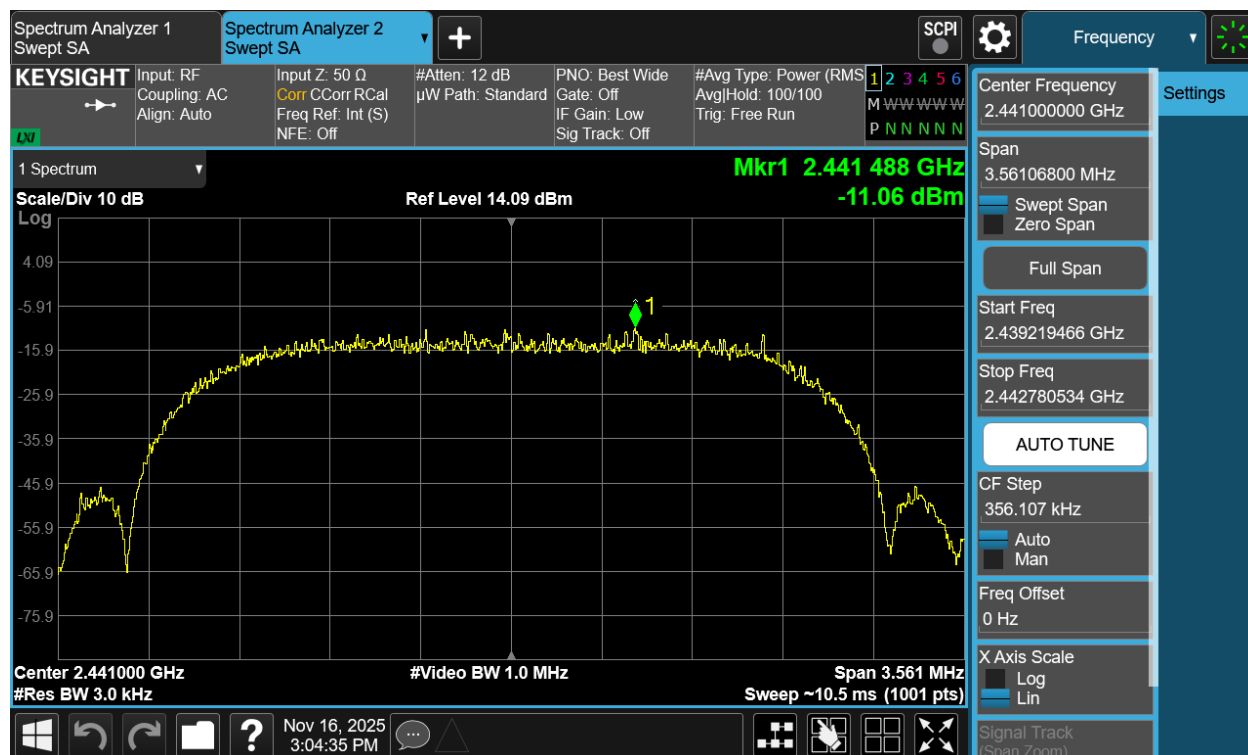


Plot 7-87. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

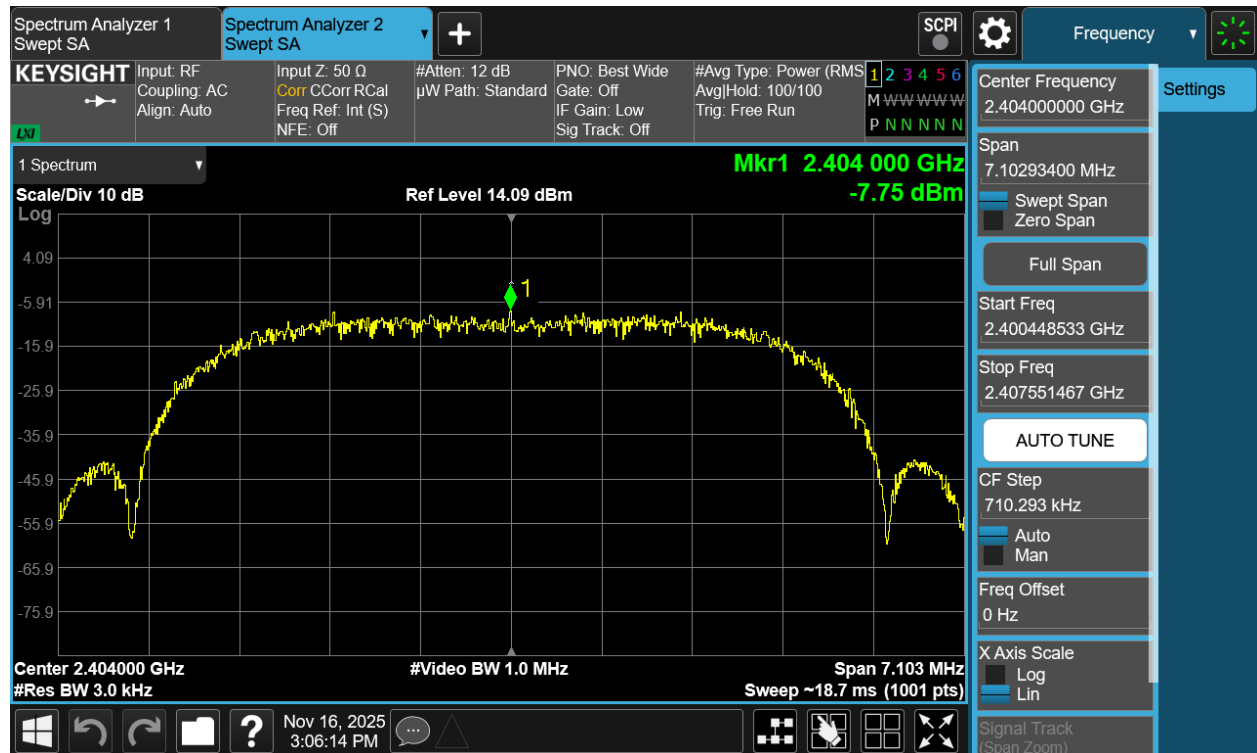


Plot 7-88. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 1)

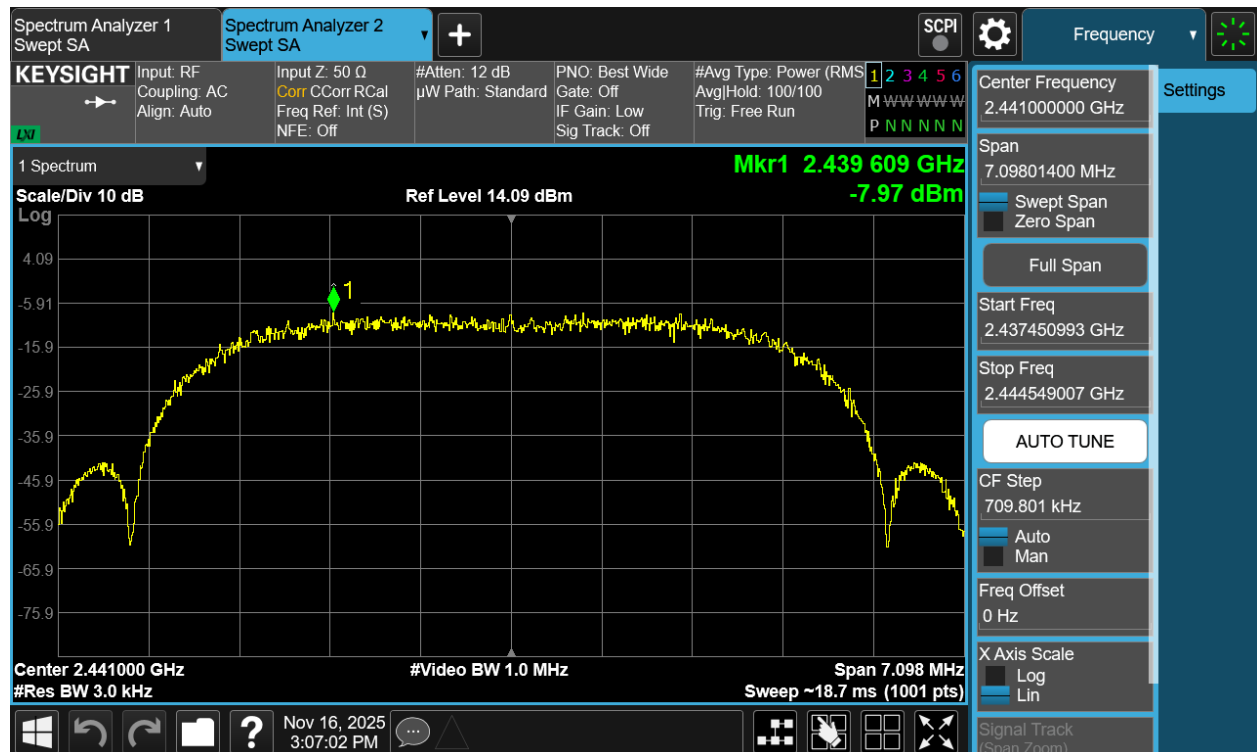
FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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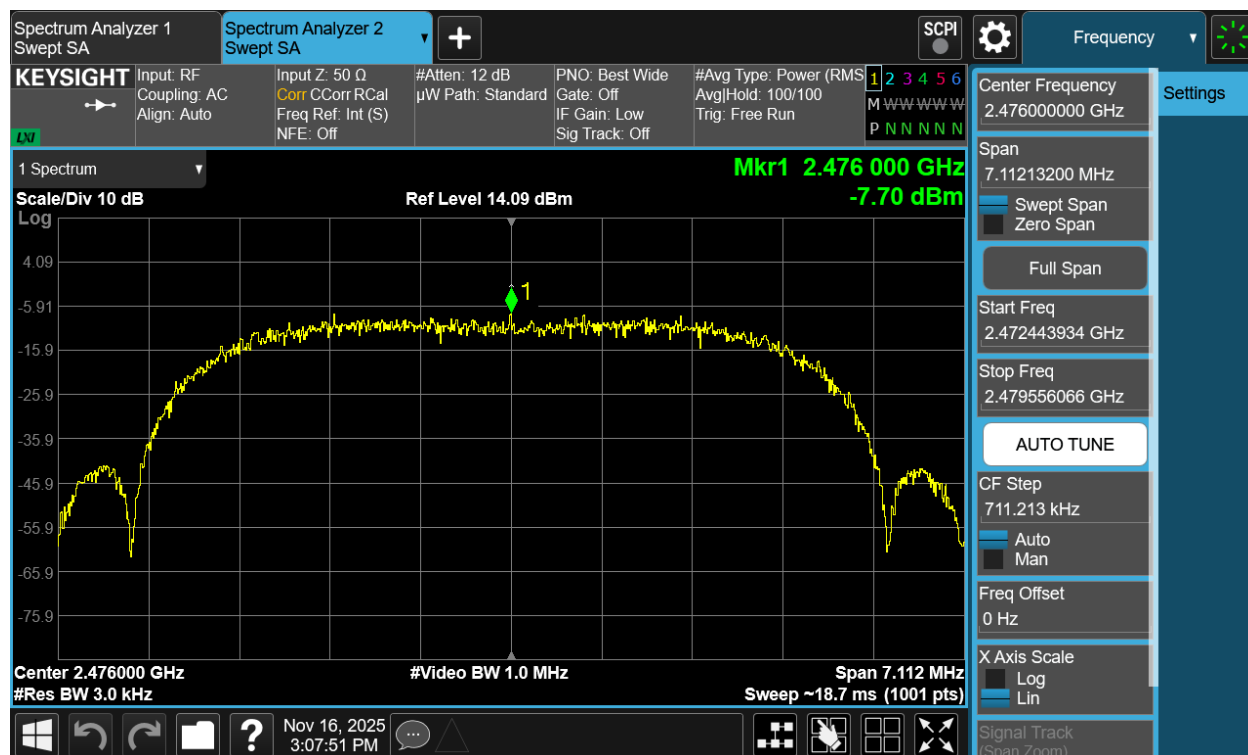


Plot 7-91. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

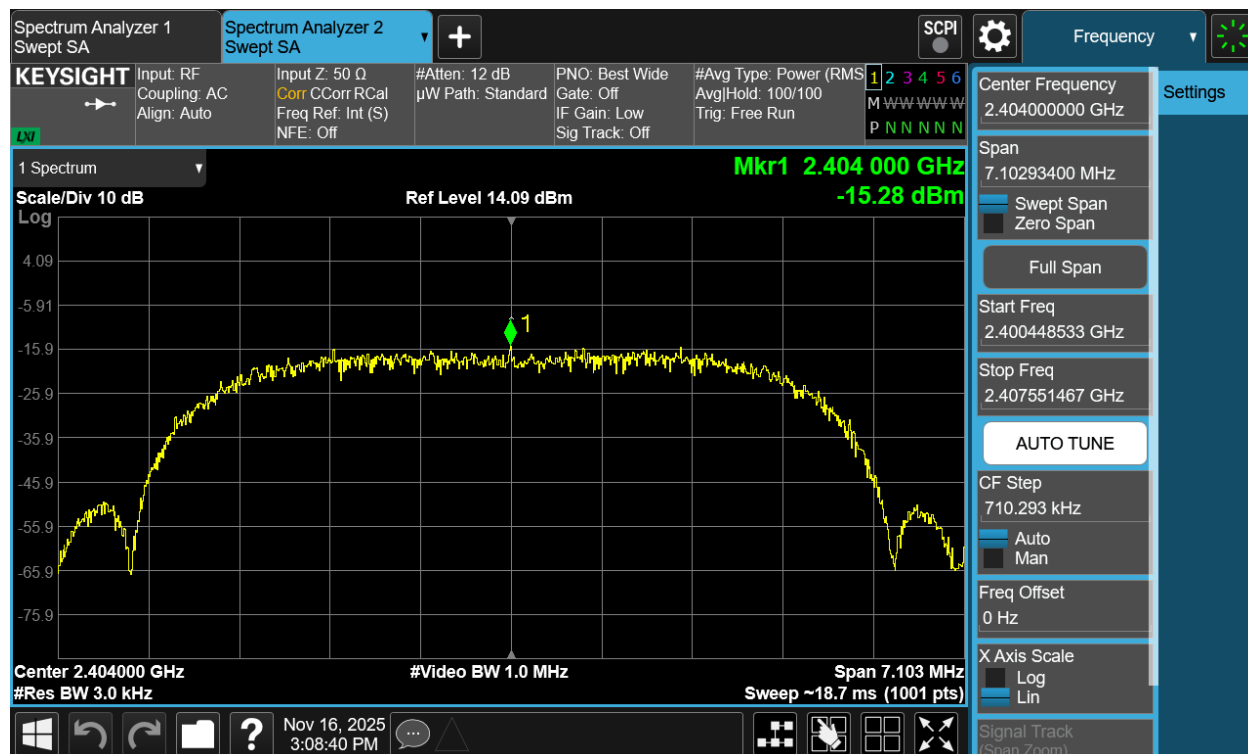


Plot 7-92. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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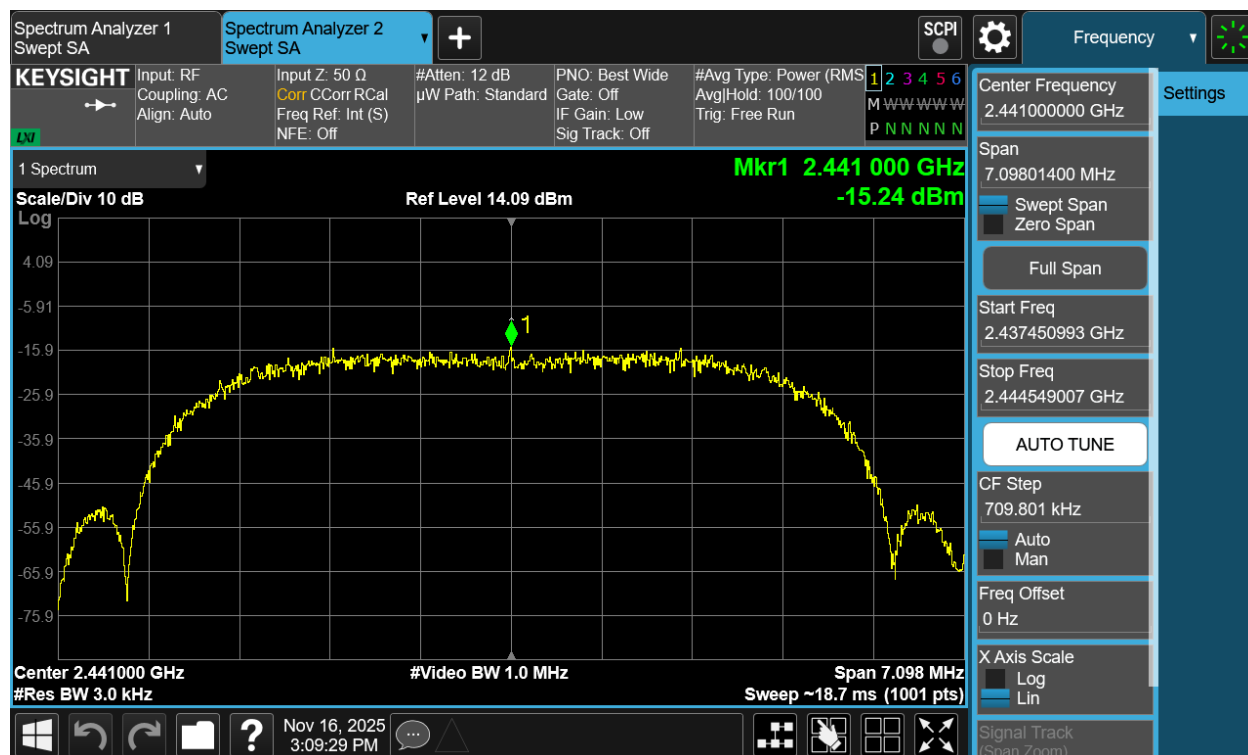


Plot 7-93. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

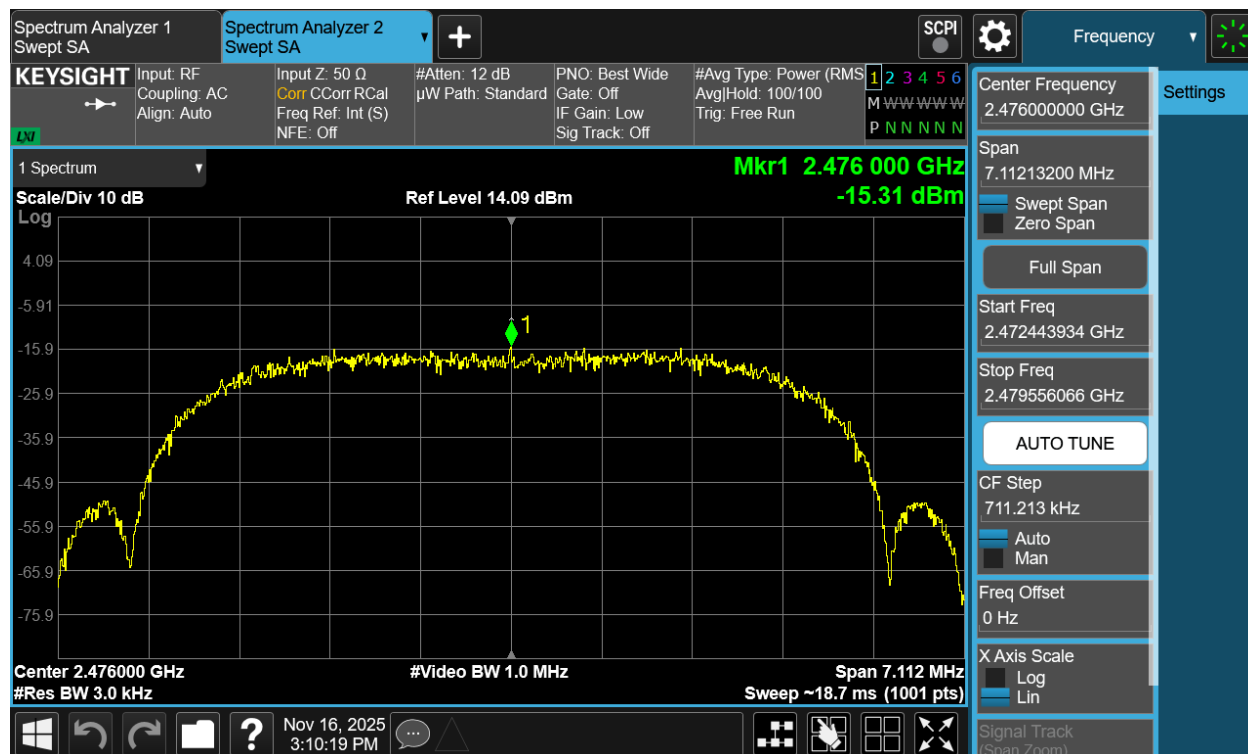


Plot 7-94. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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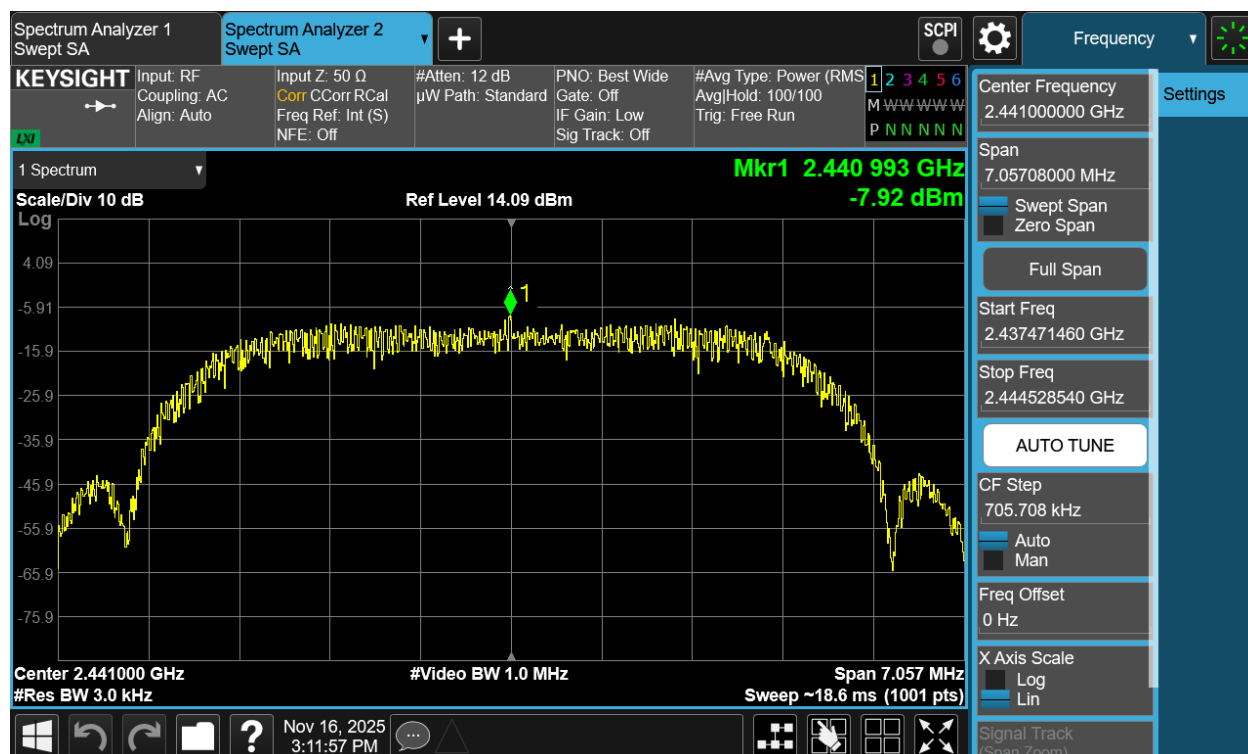
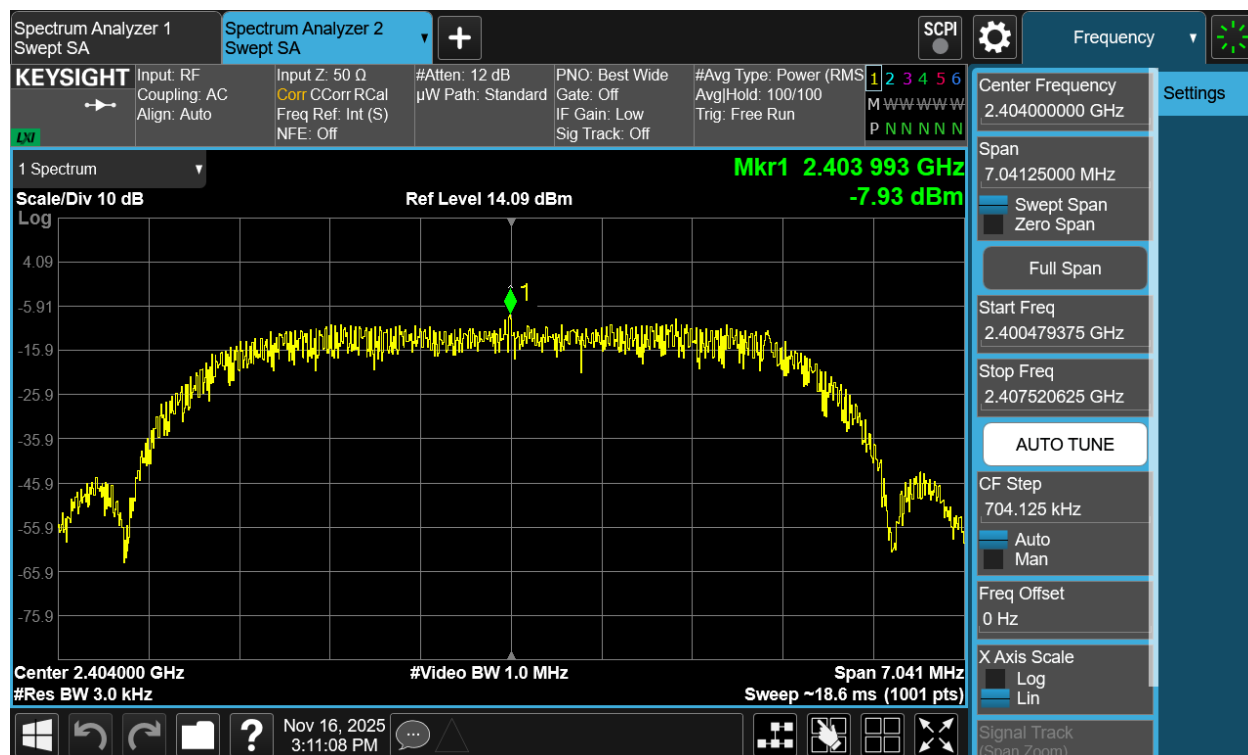


Plot 7-95. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 38)



Plot 7-96. Power Spectral Density Plot Antenna 3a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 73)

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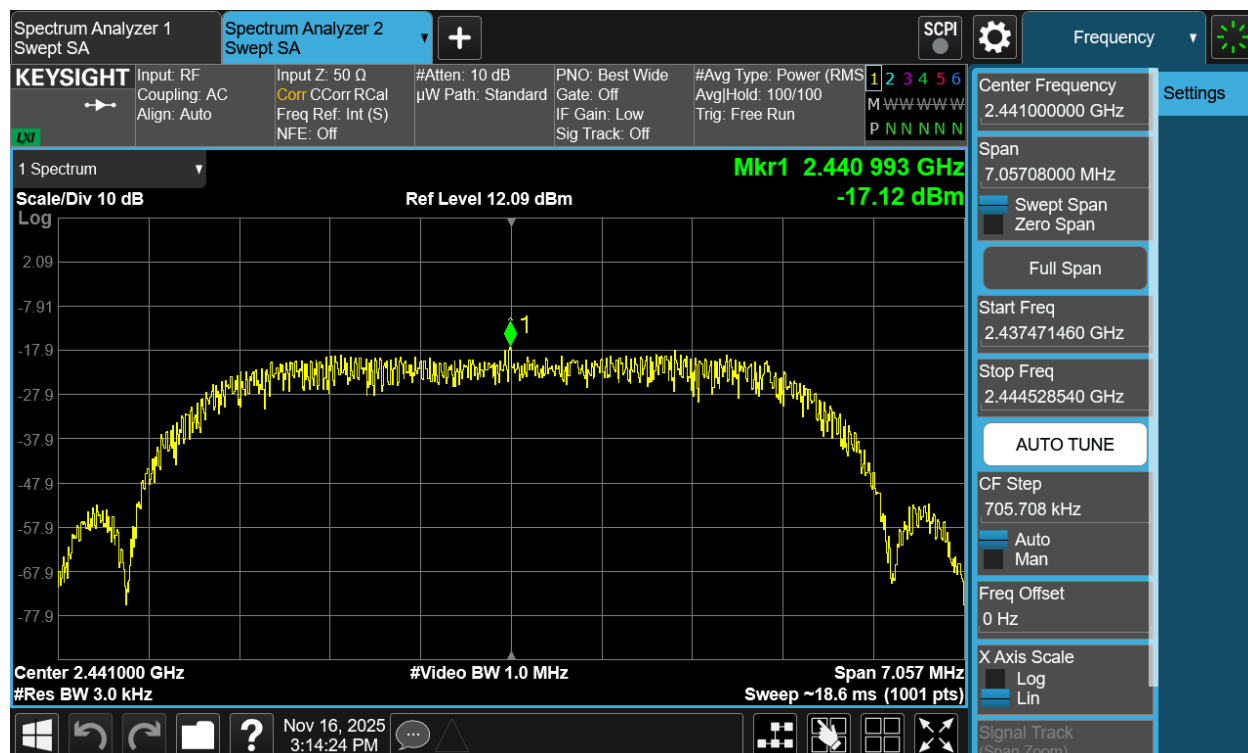


Plot 7-99. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

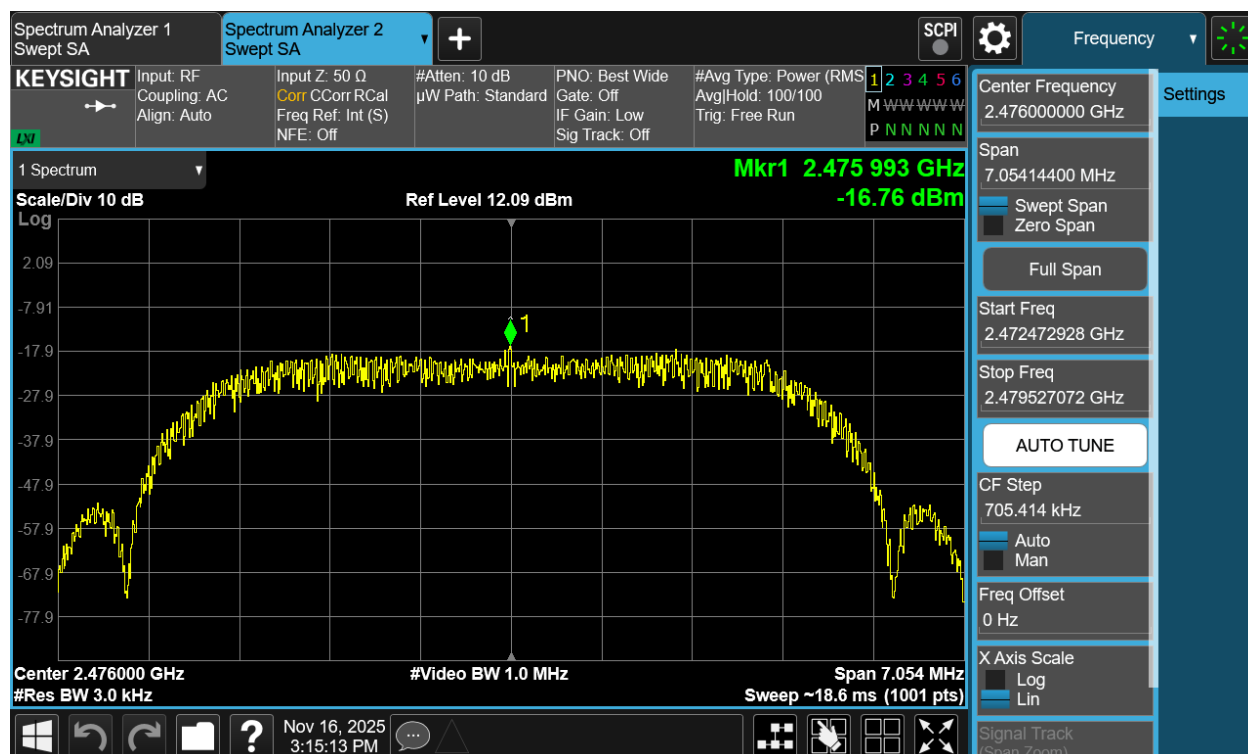


Plot 7-100. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-101. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 38)

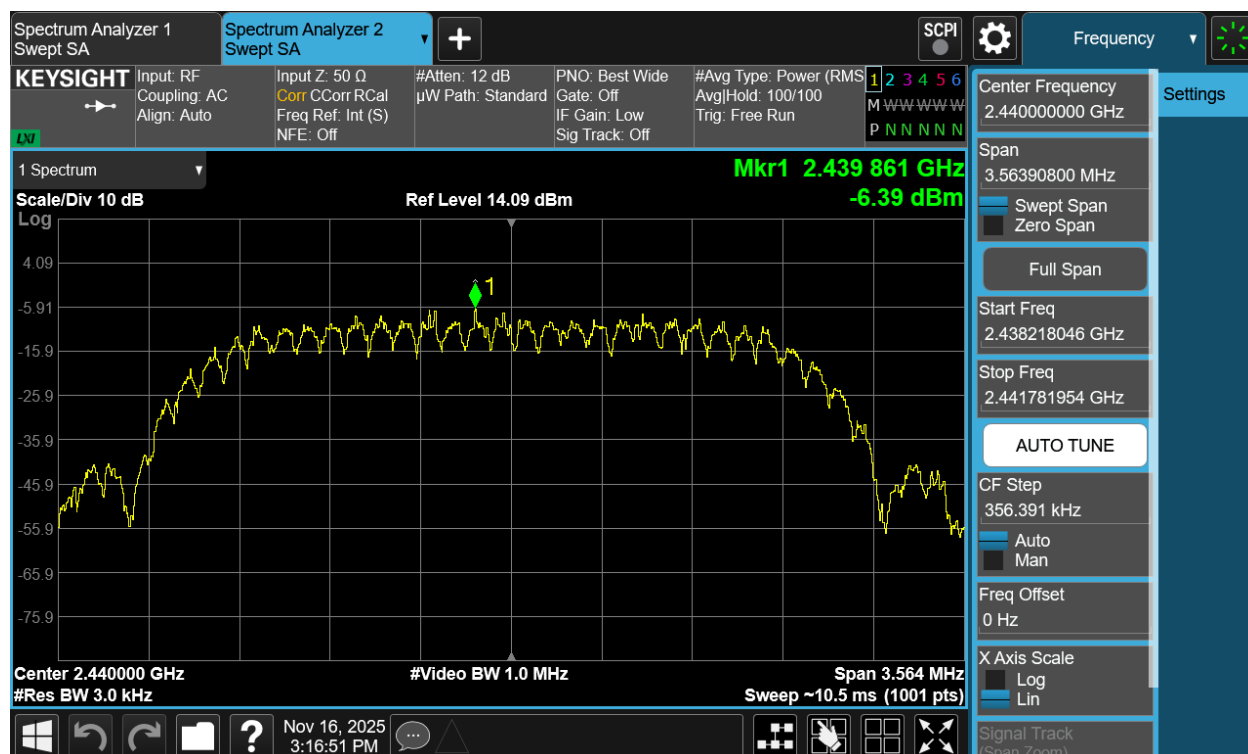
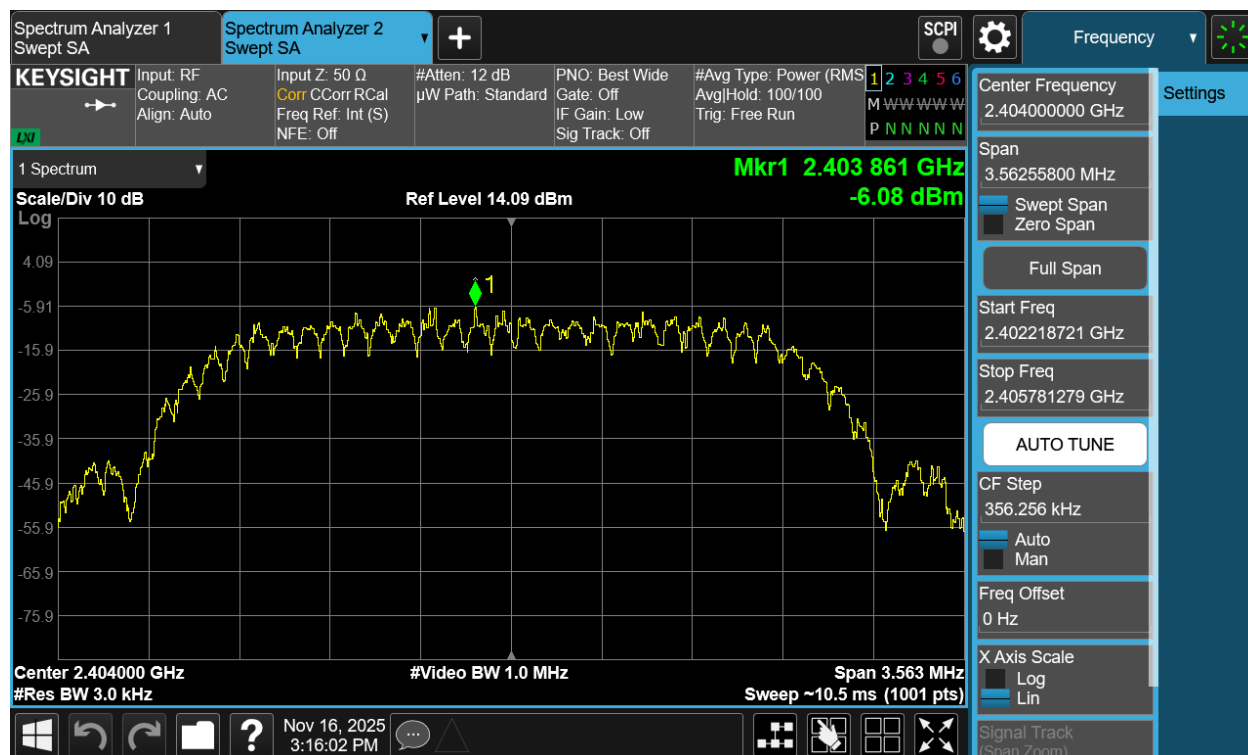


Plot 7-102. Power Spectral Density Plot Antenna 3a (Bluetooth (HDRPM16), 16Mbps, iPA – Ch. 73)

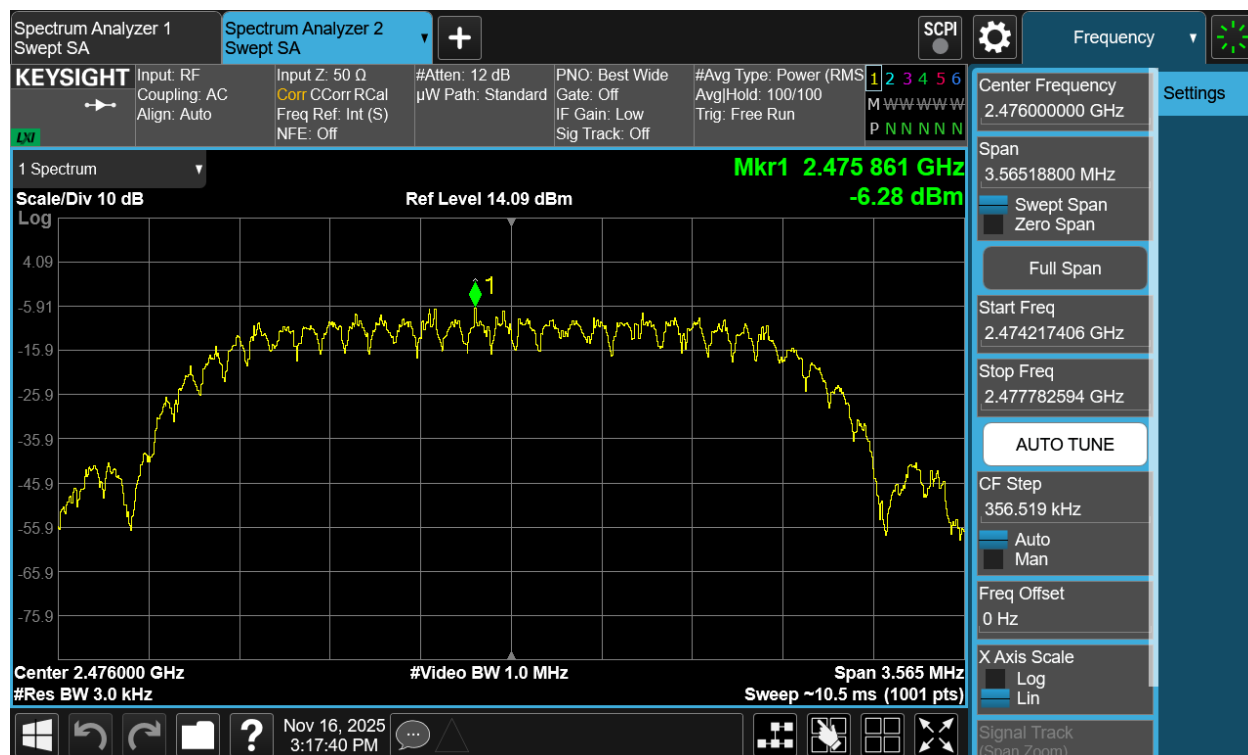
FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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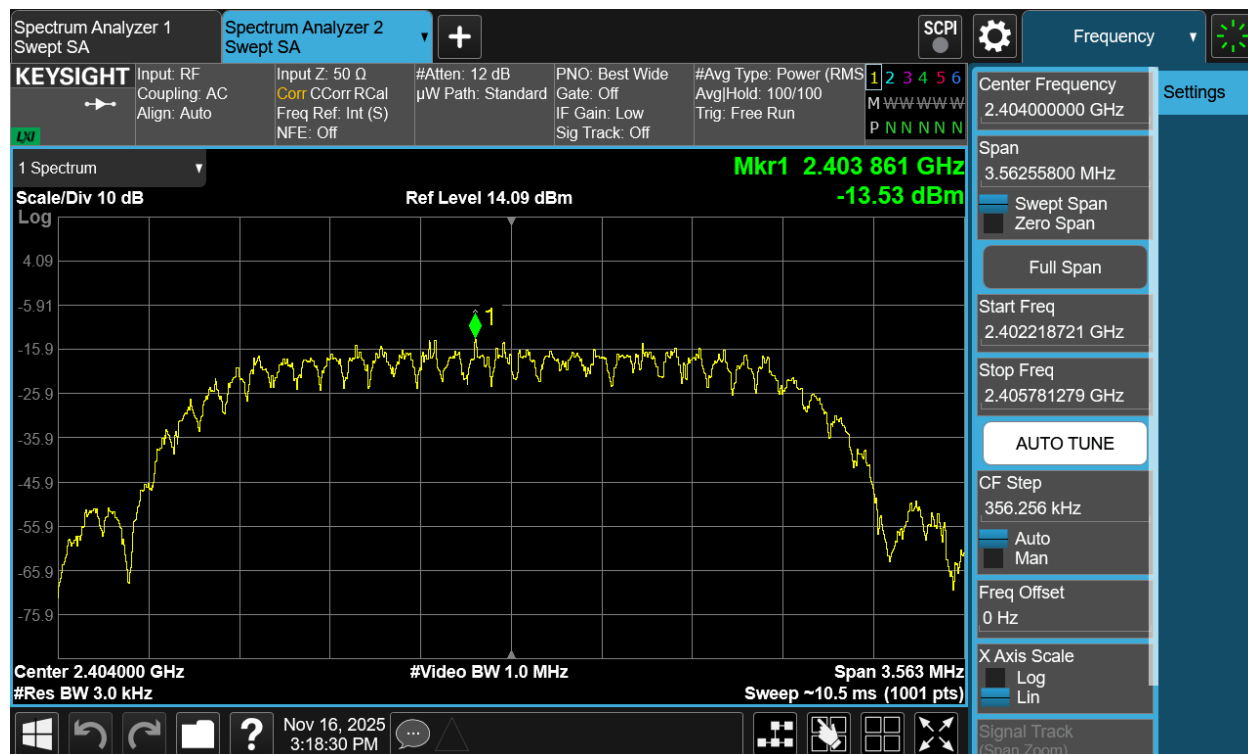
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Plot 7-105. Power Spectral Density Plot Antenna 3a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

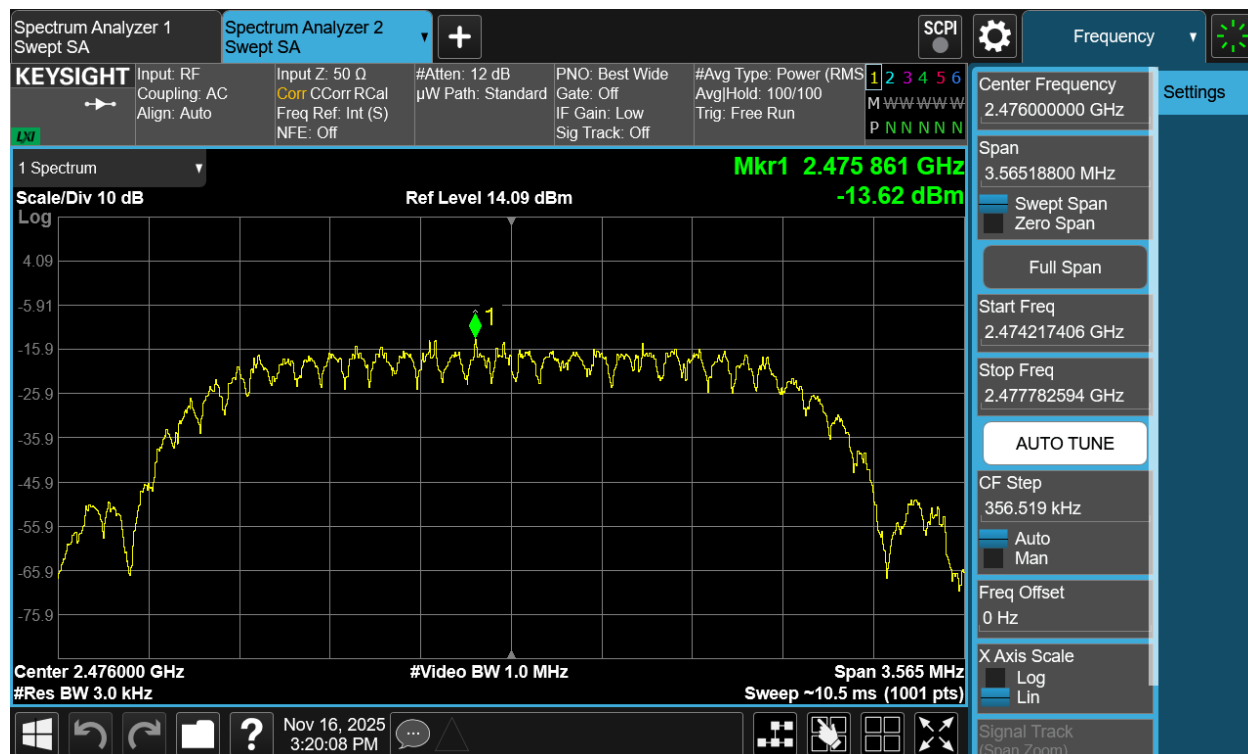
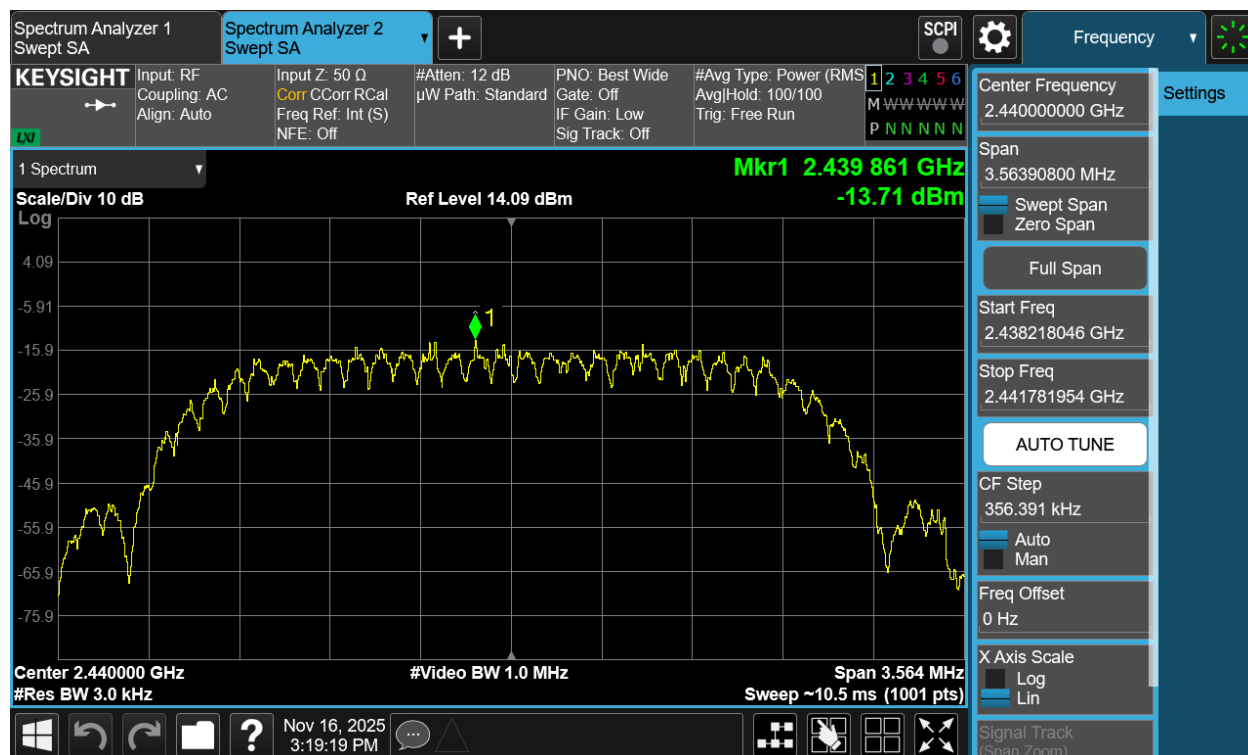


Plot 7-106. Power Spectral Density Plot Antenna 3a (Bluetooth (HDT2), 2Mbps, iPA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.5.2 Antenna 1a

Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-1.91	8.0	-9.91
2441	HDR4	ePA	38	-1.77	8.0	-9.77
2476	HDR4	ePA	73	-1.95	8.0	-9.95
2404	HDR4	iPA	1	-9.45	8.0	-17.45
2441	HDR4	iPA	38	-9.08	8.0	-17.08
2476	HDR4	iPA	73	-9.28	8.0	-17.28
2404	HDR8	ePA	1	-3.62	8.0	-11.62
2441	HDR8	ePA	38	-3.43	8.0	-11.43
2476	HDR8	ePA	73	-3.64	8.0	-11.64
2404	HDR8	iPA	1	-11.20	8.0	-19.20
2441	HDR8	iPA	38	-10.29	8.0	-18.29
2476	HDR8	iPA	73	-10.61	8.0	-18.61
2404	HDRPS2	ePA	1	-4.03	8.0	-12.03
2441	HDRPS2	ePA	38	-4.02	8.0	-12.02
2476	HDRPS2	ePA	73	-4.09	8.0	-12.09
2404	HDRPS2	iPA	1	-11.40	8.0	-19.40
2441	HDRPS2	iPA	38	-11.02	8.0	-19.02
2476	HDRPS2	iPA	73	-11.29	8.0	-19.29
2404	XHDRPM6	ePA	1	-8.11	8.0	-16.11
2441	XHDRPM6	ePA	38	-7.89	8.0	-15.89
2476	XHDRPM6	ePA	73	-8.01	8.0	-16.01
2404	XHDRPM6	iPA	1	-15.73	8.0	-23.73
2441	XHDRPM6	iPA	38	-15.29	8.0	-23.29
2476	XHDRPM6	iPA	73	-15.51	8.0	-23.51
2404	HDRPM16	ePA	1	-7.60	8.0	-15.60
2441	HDRPM16	ePA	38	-7.90	8.0	-15.90
2476	HDRPM16	ePA	73	-7.43	8.0	-15.43
2404	HDRPM16	iPA	1	-17.11	8.0	-25.11
2441	HDRPM16	iPA	38	-16.43	8.0	-24.43
2476	HDRPM16	iPA	73	-16.76	8.0	-24.76
2404	HDT2	ePA	1	-6.69	8.0	-14.69
2440	HDT2	ePA	37	-6.71	8.0	-14.71
2476	HDT2	ePA	73	-6.65	8.0	-14.65
2404	HDT2	iPA	1	-13.68	8.0	-21.68
2440	HDT2	iPA	37	-13.46	8.0	-21.46
2476	HDT2	iPA	73	-13.53	8.0	-21.53

Table 7-13. Conducted Power Density Measurements Antenna 1a

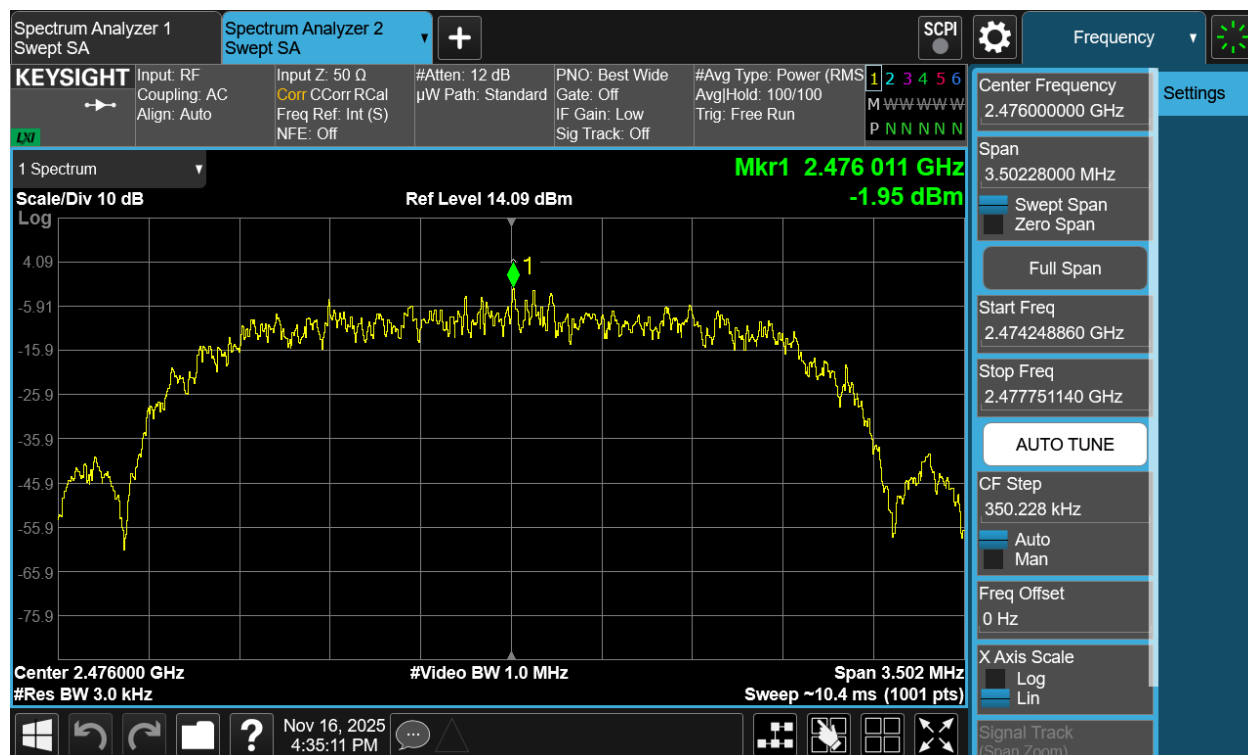
FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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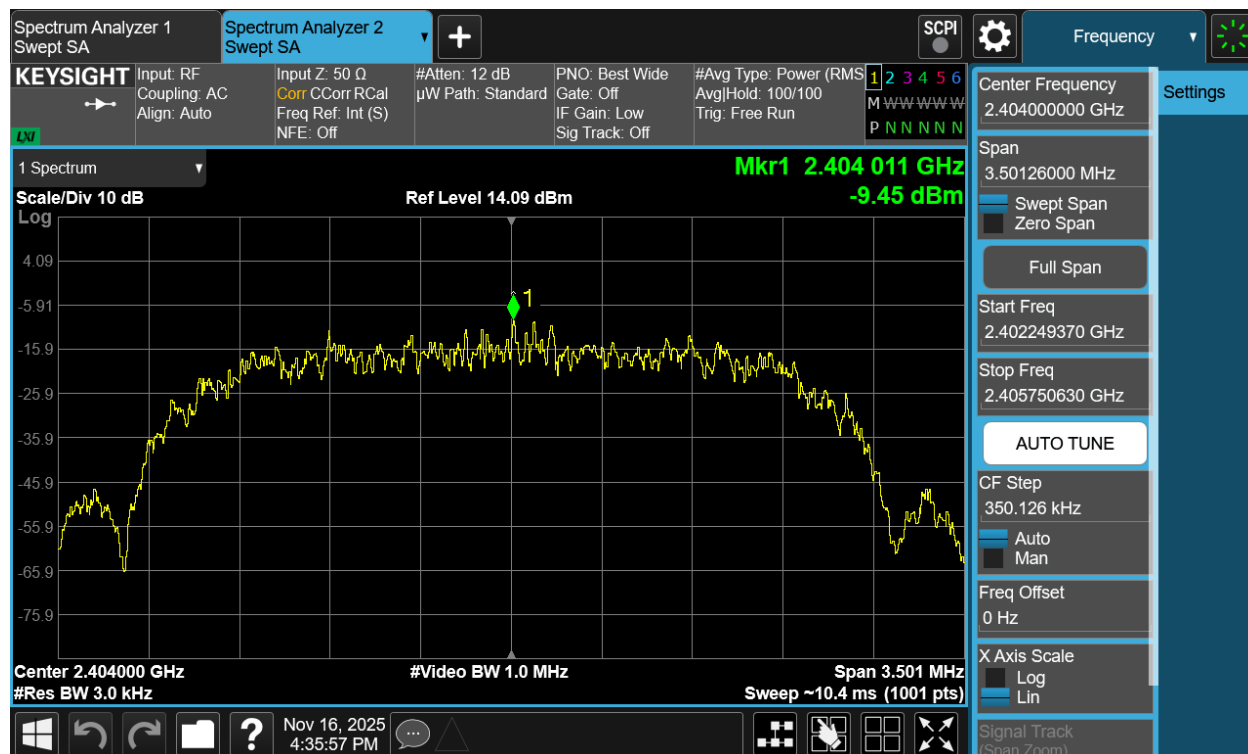
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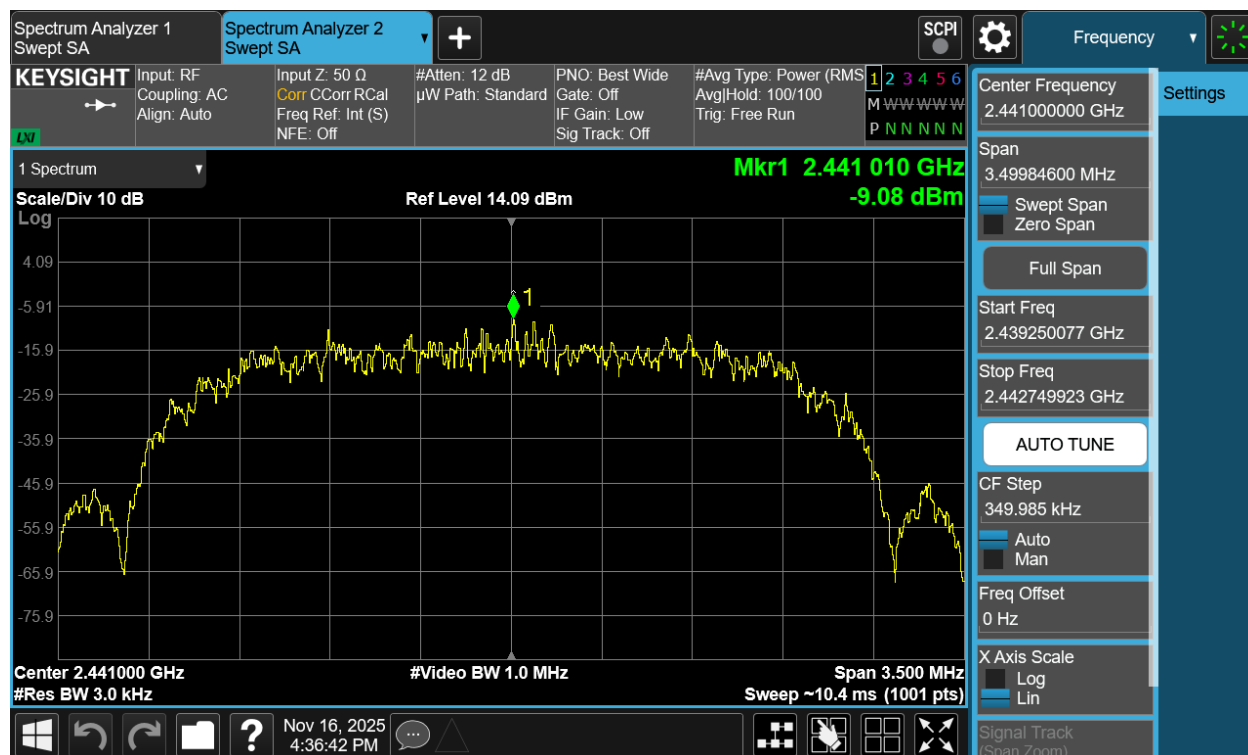


Plot 7-111. Power Spectral Density Plot Antenna 1a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

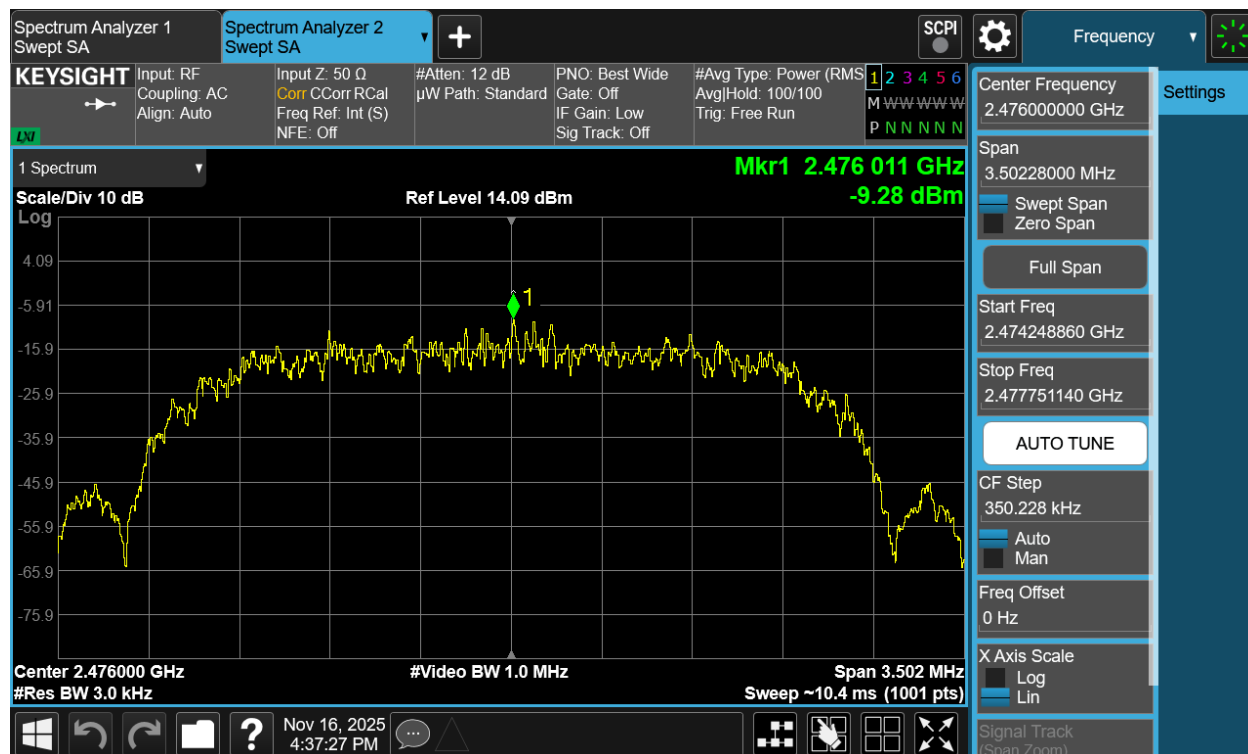


Plot 7-112. Power Spectral Density Plot Antenna 1a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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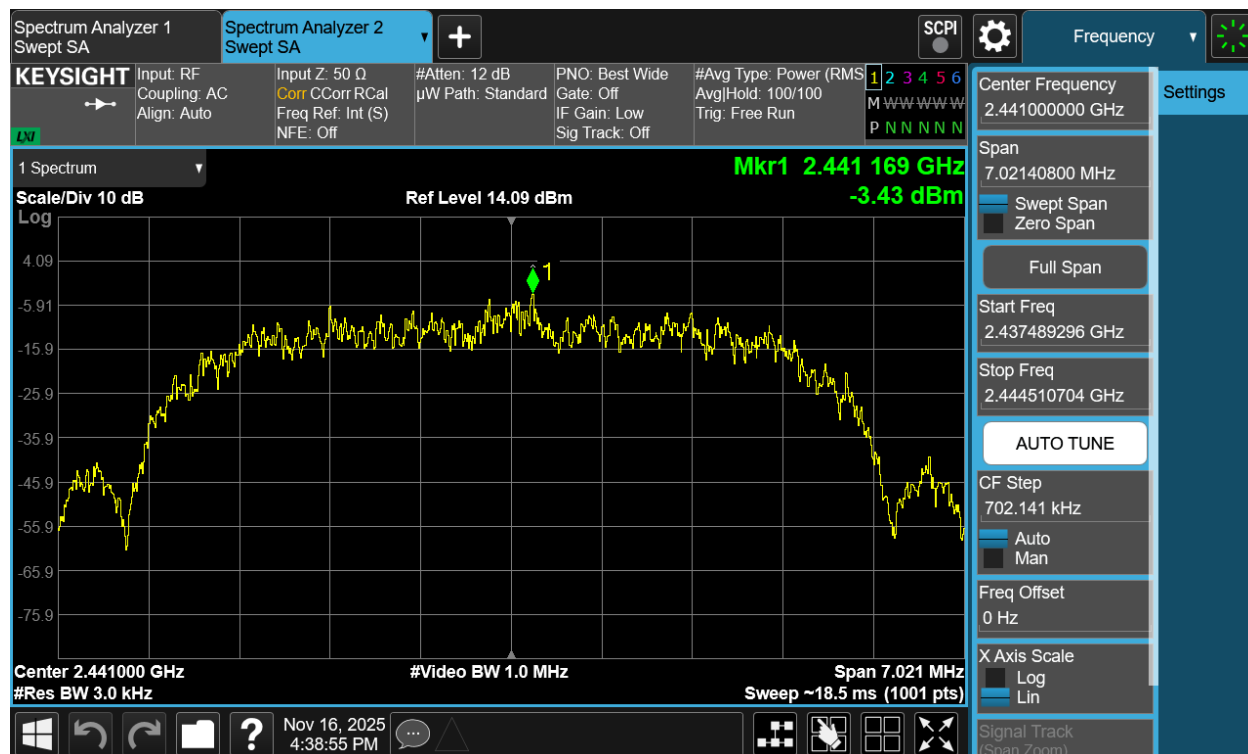
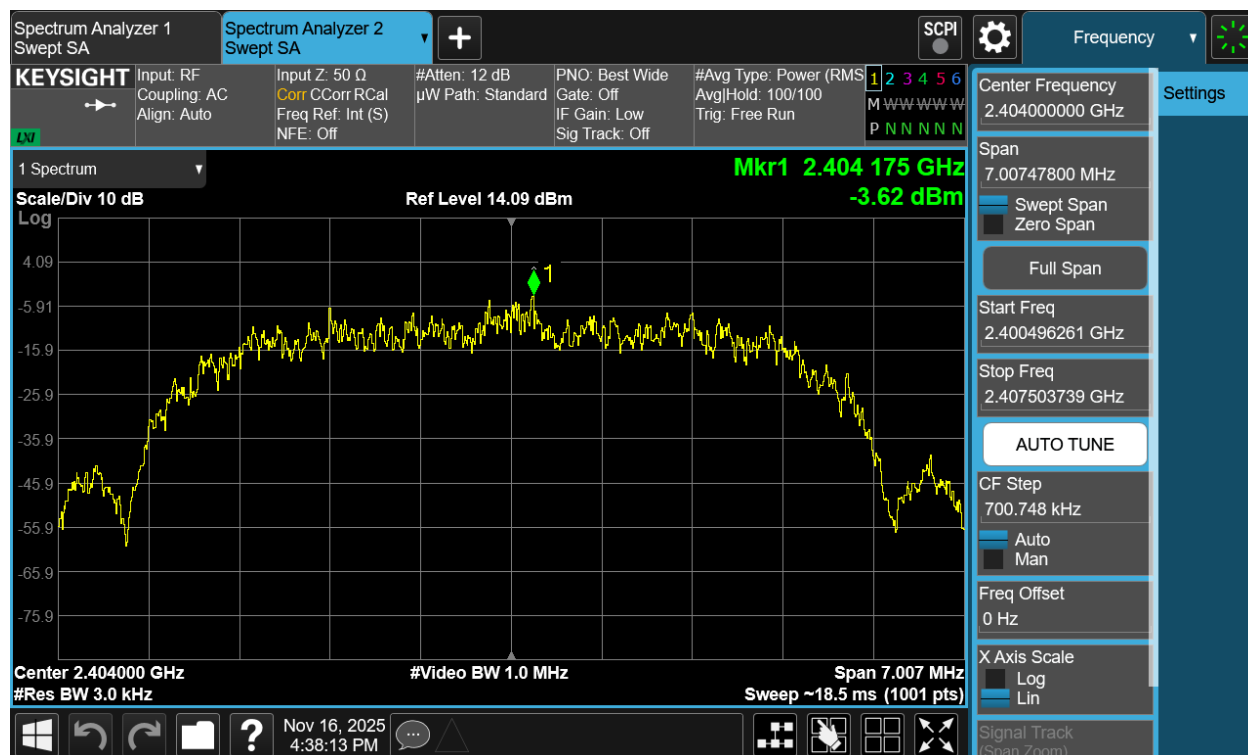


Plot 7-113. Power Spectral Density Plot Antenna 1a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)



Plot 7-114. Power Spectral Density Plot Antenna 1a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

FCC ID: BCGA3462 IC: 579C-A3462		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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