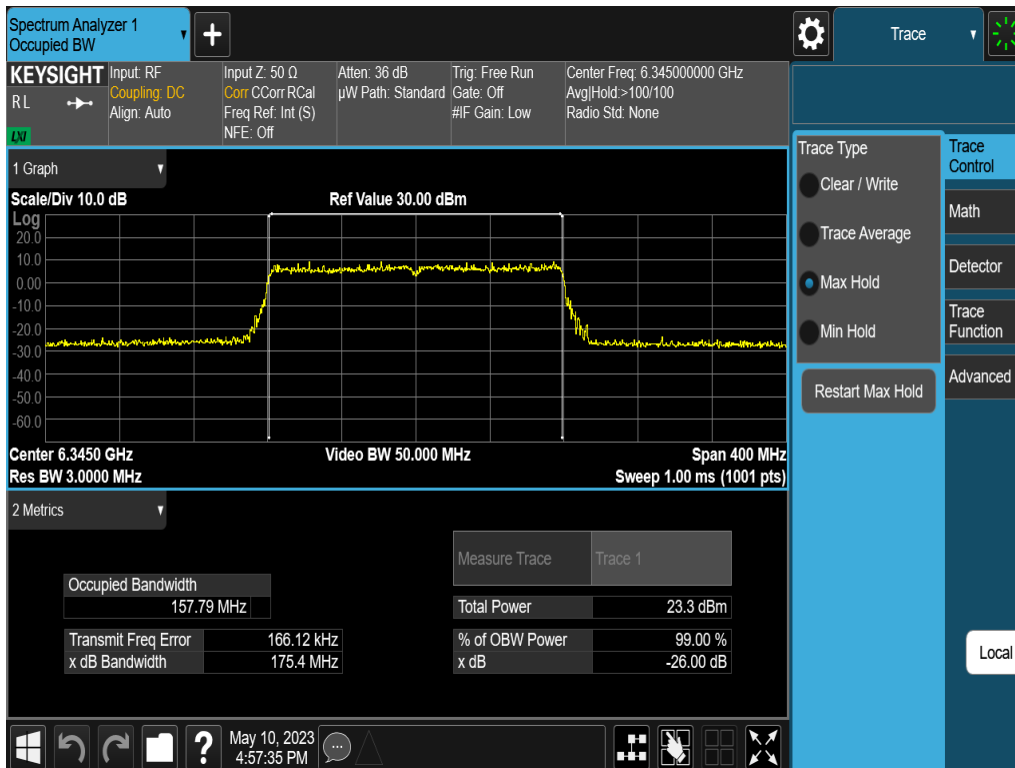


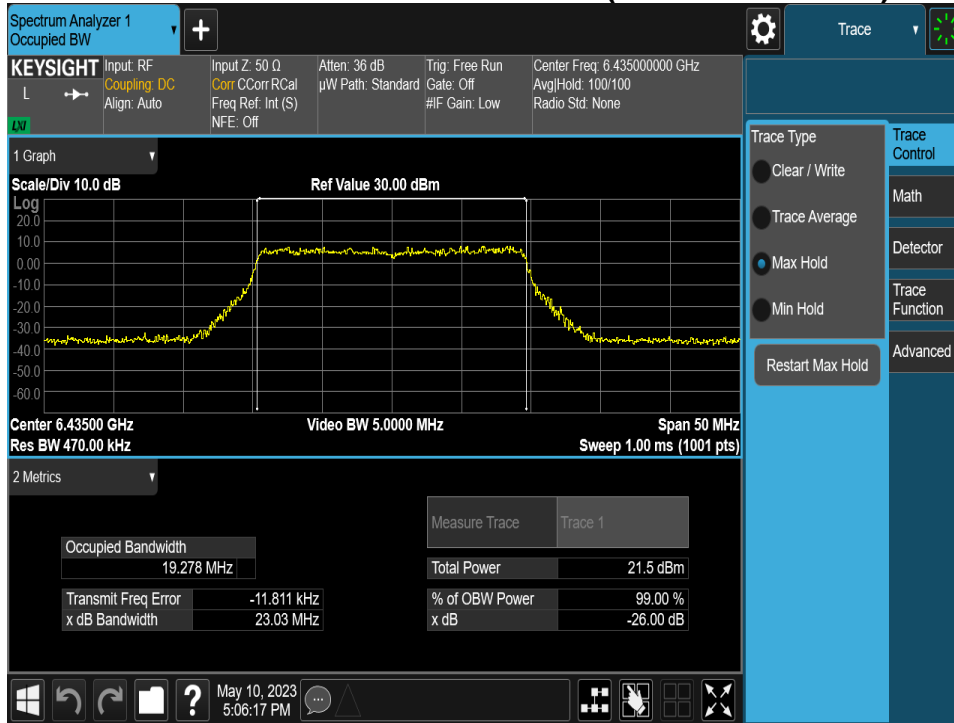
Plot 7-131. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 47)



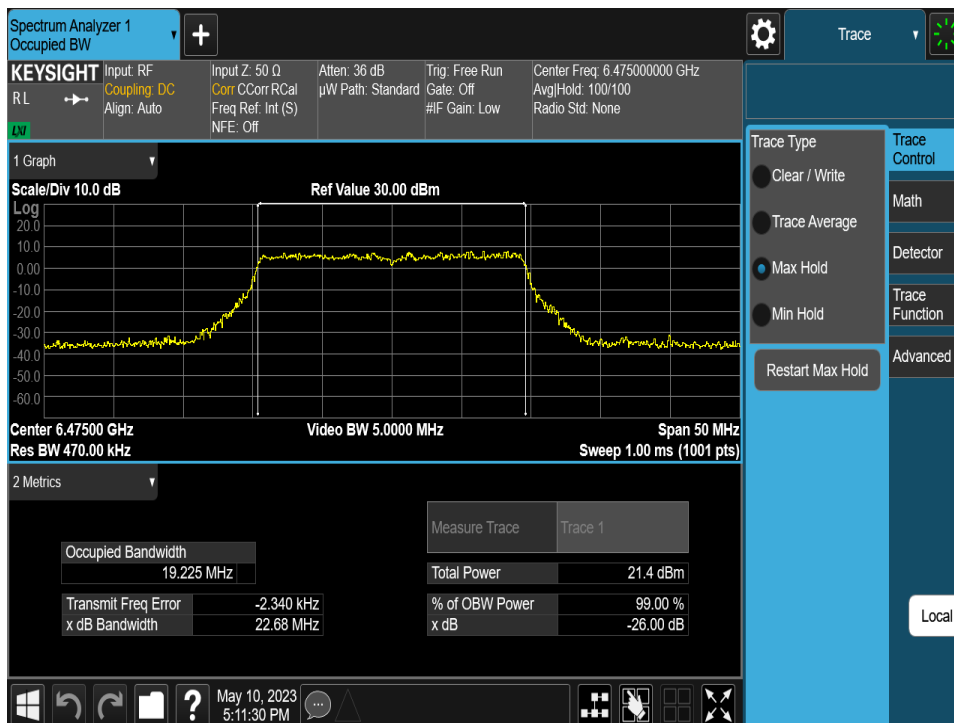
Plot 7-132. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 79)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
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### 7.2.14 MIMO Antenna-2 Bandwidth Measurements – (UNII Band 6 - Full)

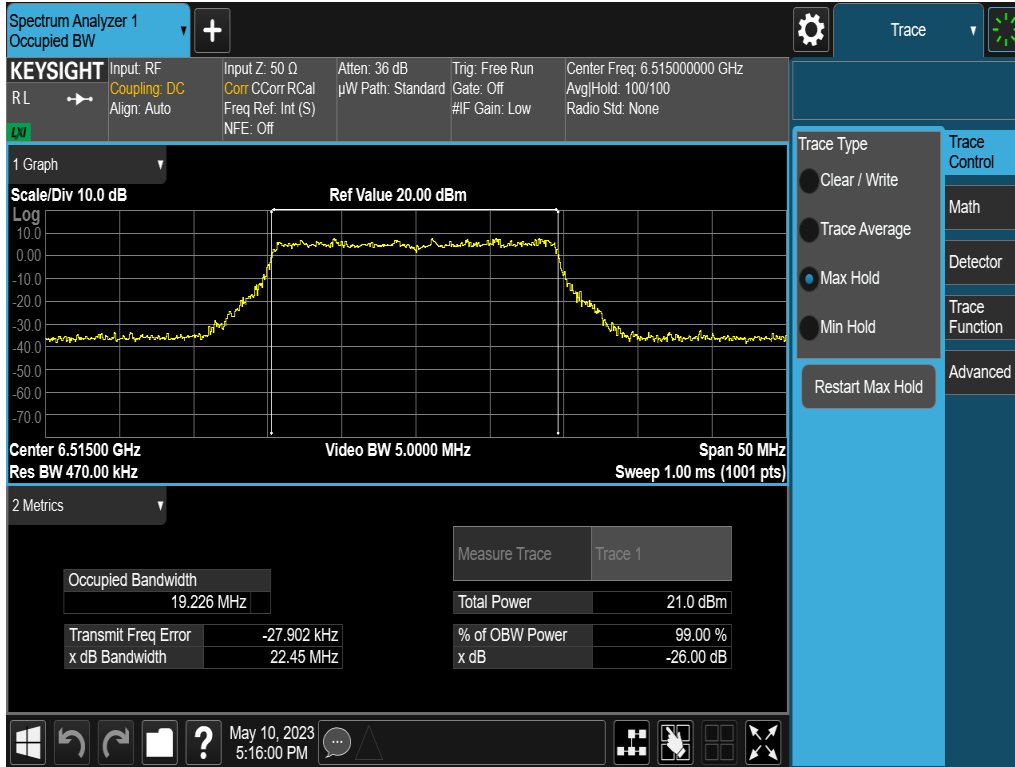


Plot 7-133. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 97)

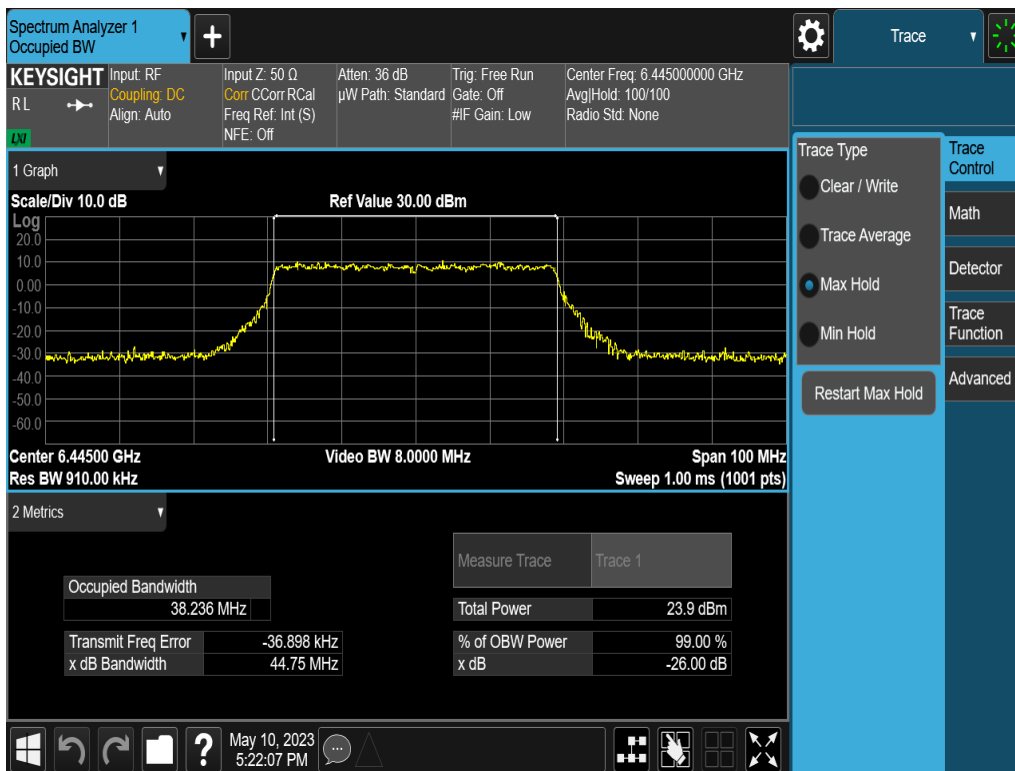


Plot 7-134. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 105)

<b>FCC ID:</b> A3LSMX910 <b>IC:</b> 649E-SMX910	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2303200036-09.A3L	<b>Test Dates:</b> 04/03/2023 - 05/18/2023	<b>EUT Type:</b> Portable Tablet	Page 86 of 324

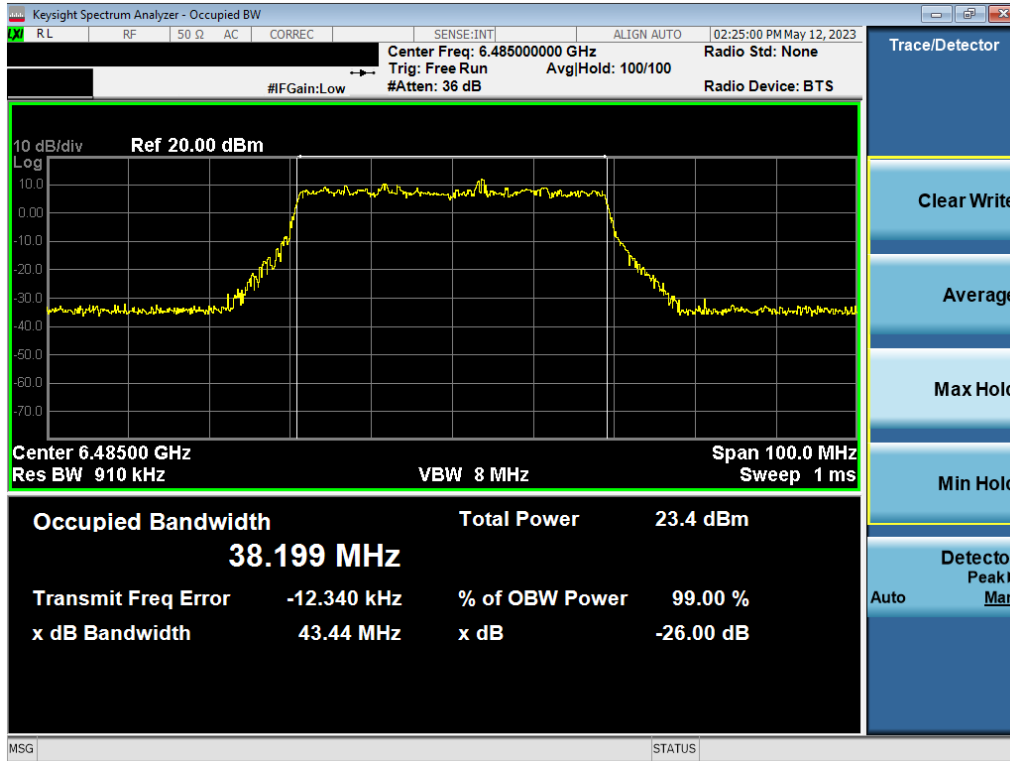


Plot 7-135. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 113)

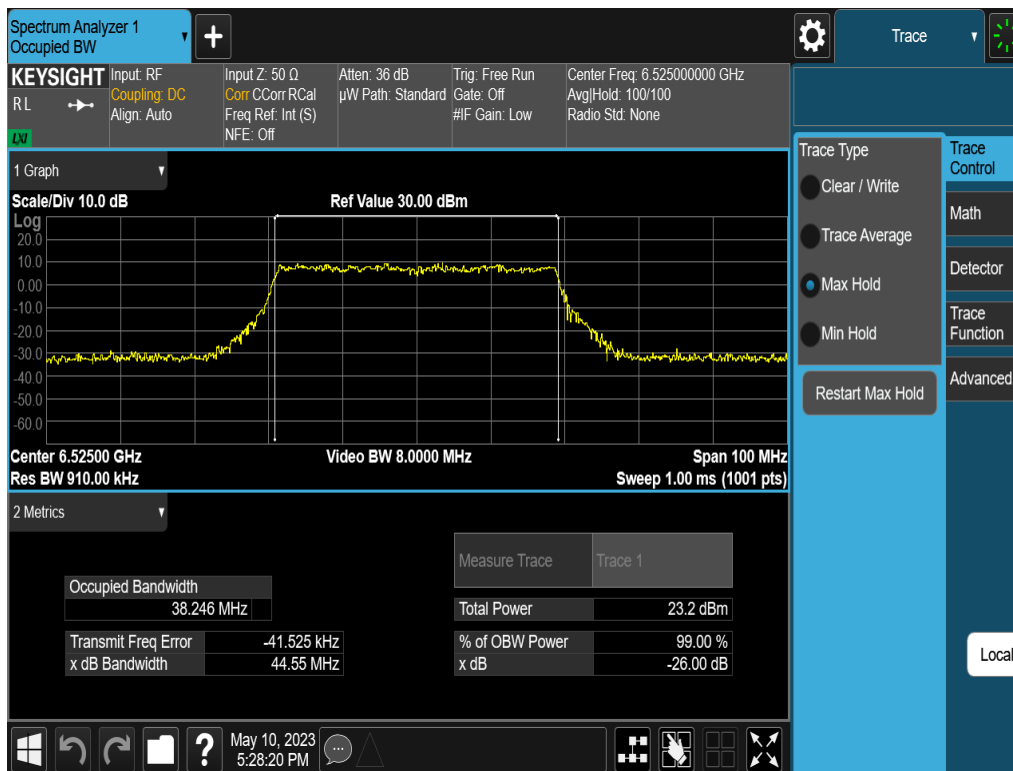


Plot 7-136. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 99)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 87 of 324	

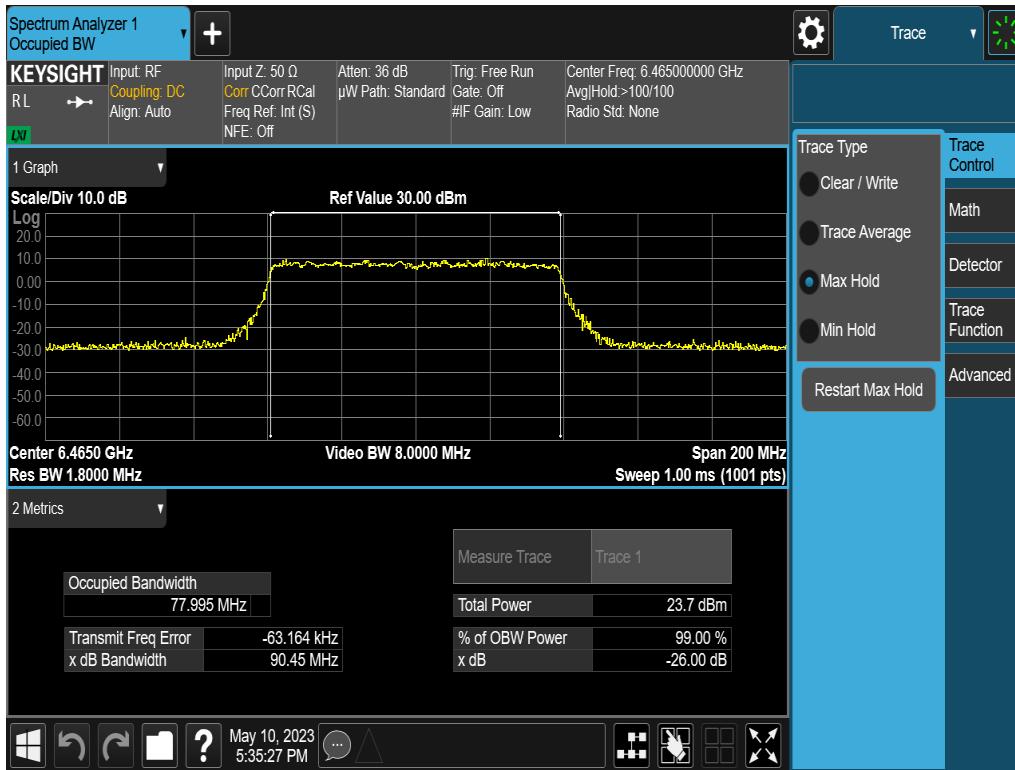


Plot 7-137. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 107)

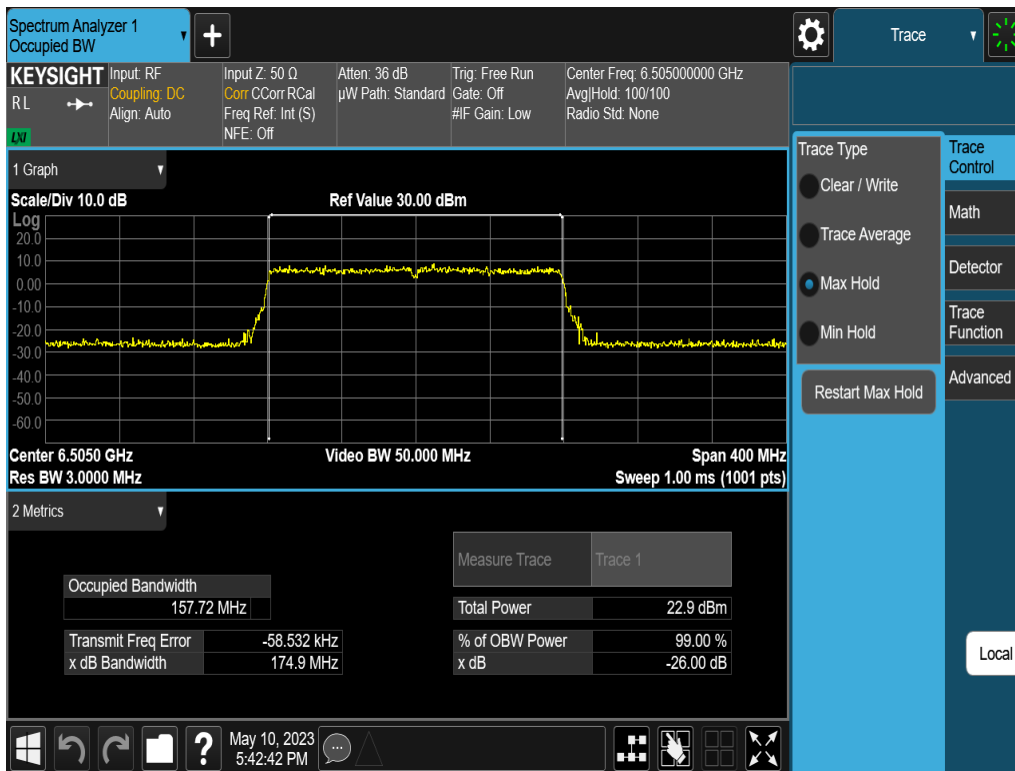


Plot 7-138. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 115)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 88 of 324



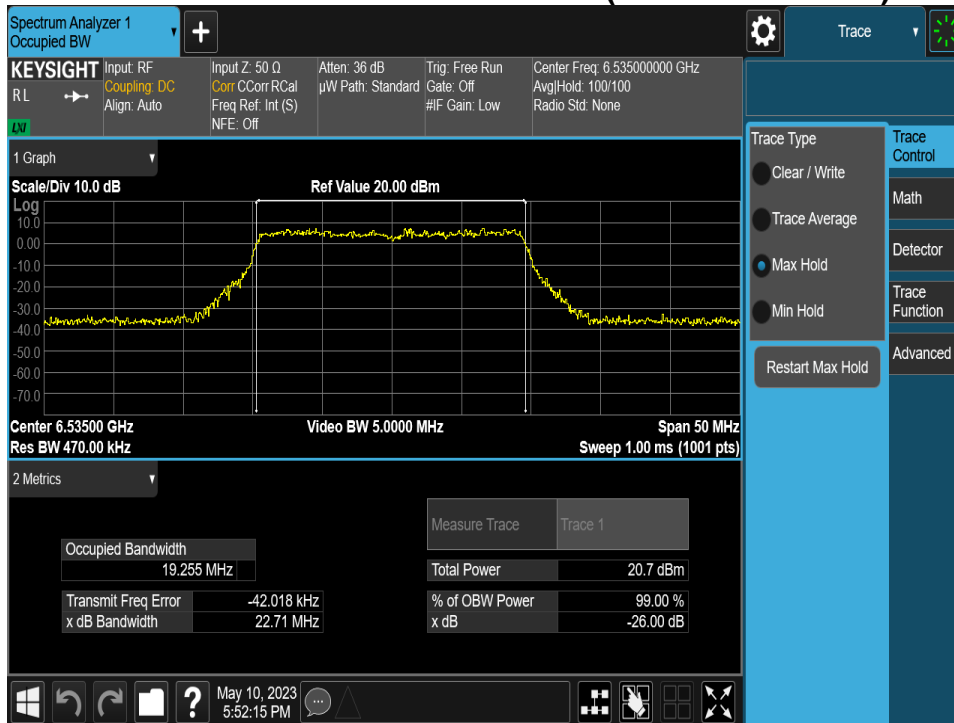
Plot 7-139. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 103)



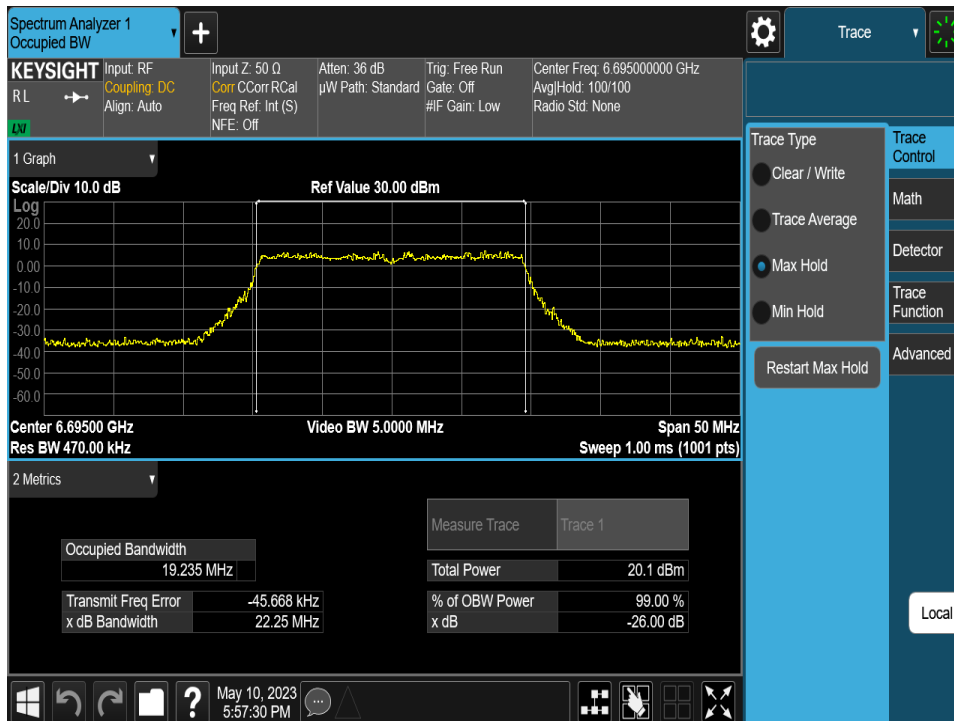
Plot 7-140. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 111)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 89 of 324

## 7.2.15 MIMO Antenna-2 Bandwidth Measurements – (UNII Band 7 - Full)

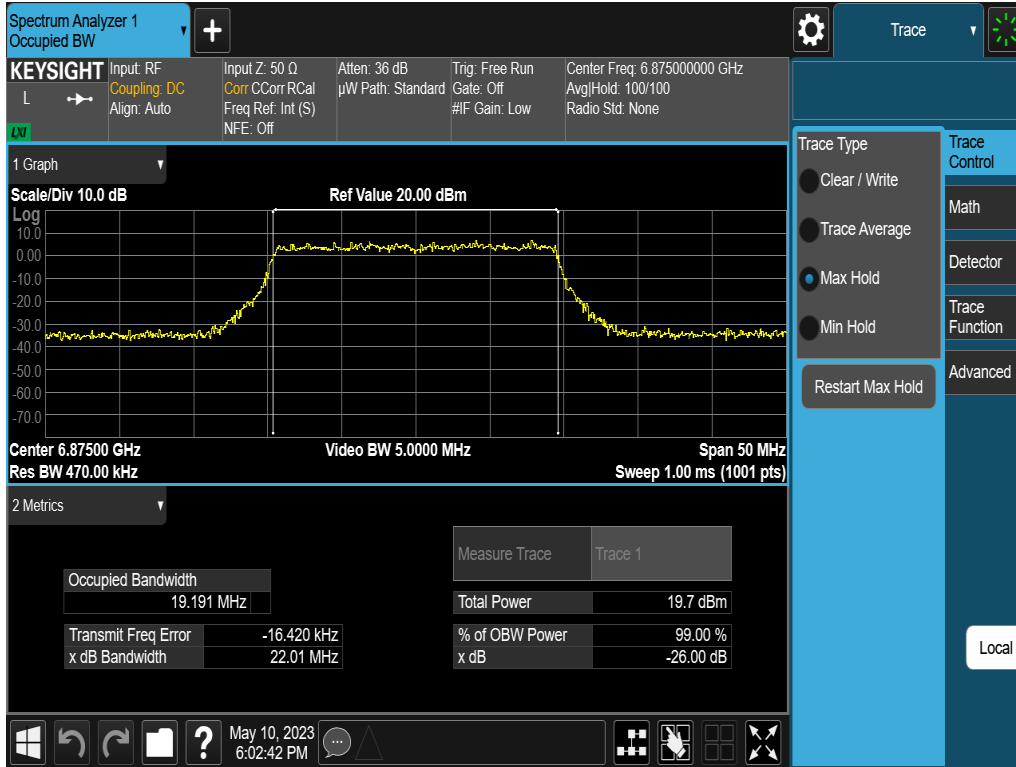


Plot 7-141. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 117)

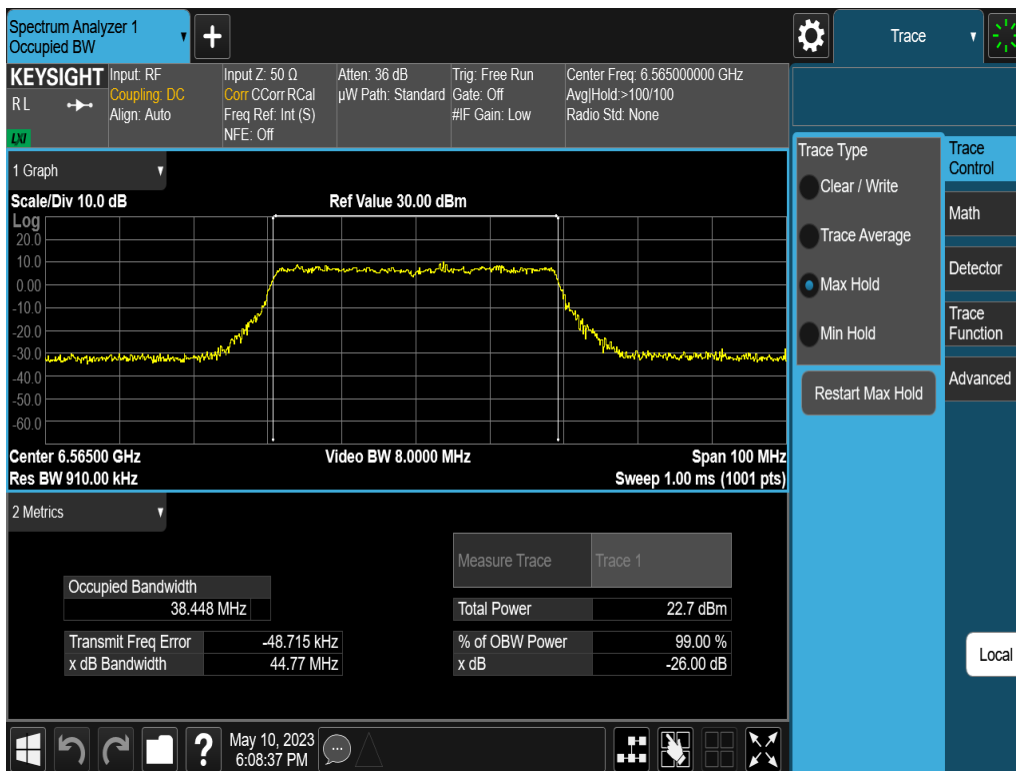


Plot 7-142. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 149)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 90 of 324

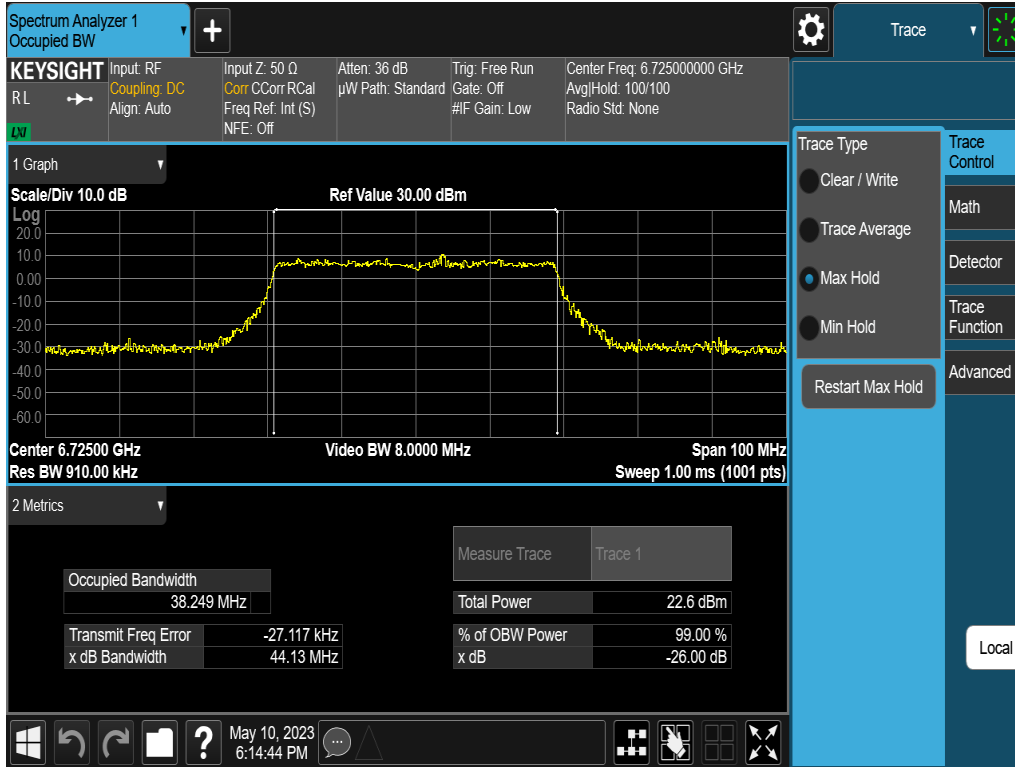


Plot 7-143. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 185)

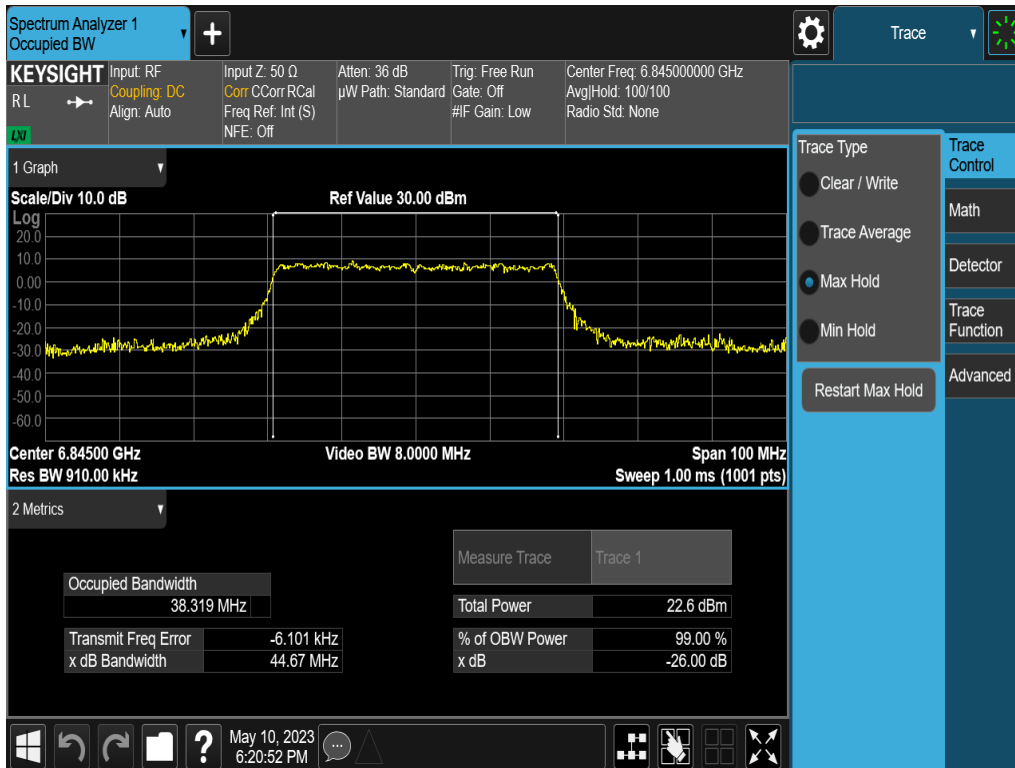


Plot 7-144. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 123)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet		Page 91 of 324



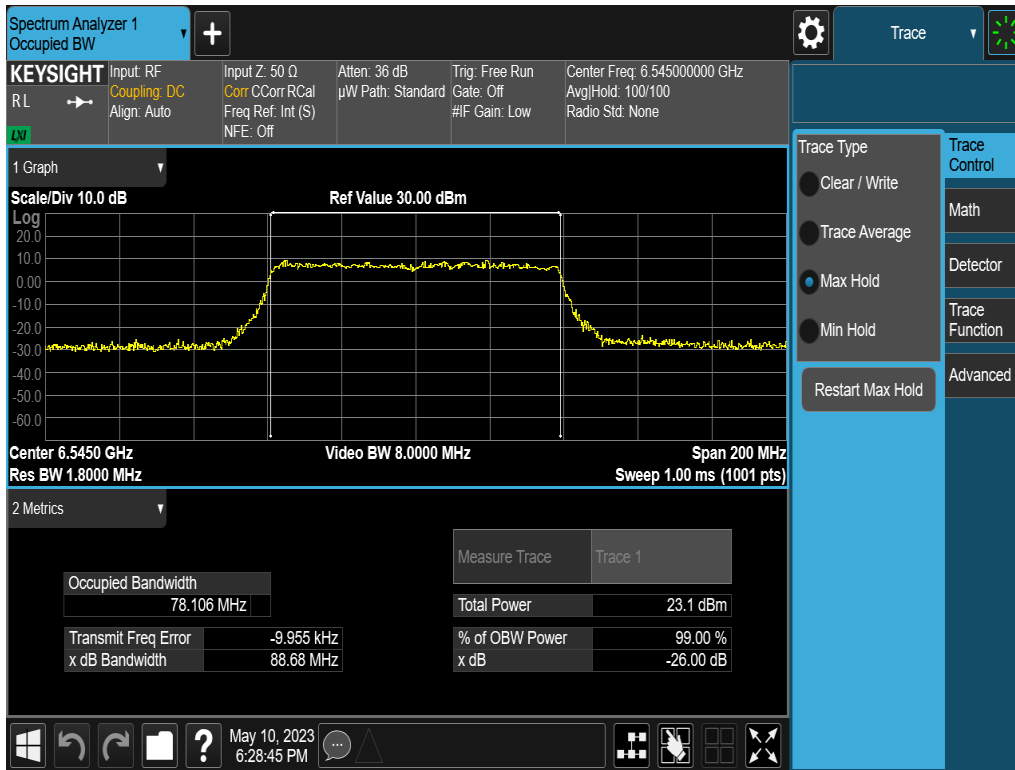
Plot 7-145. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 155)



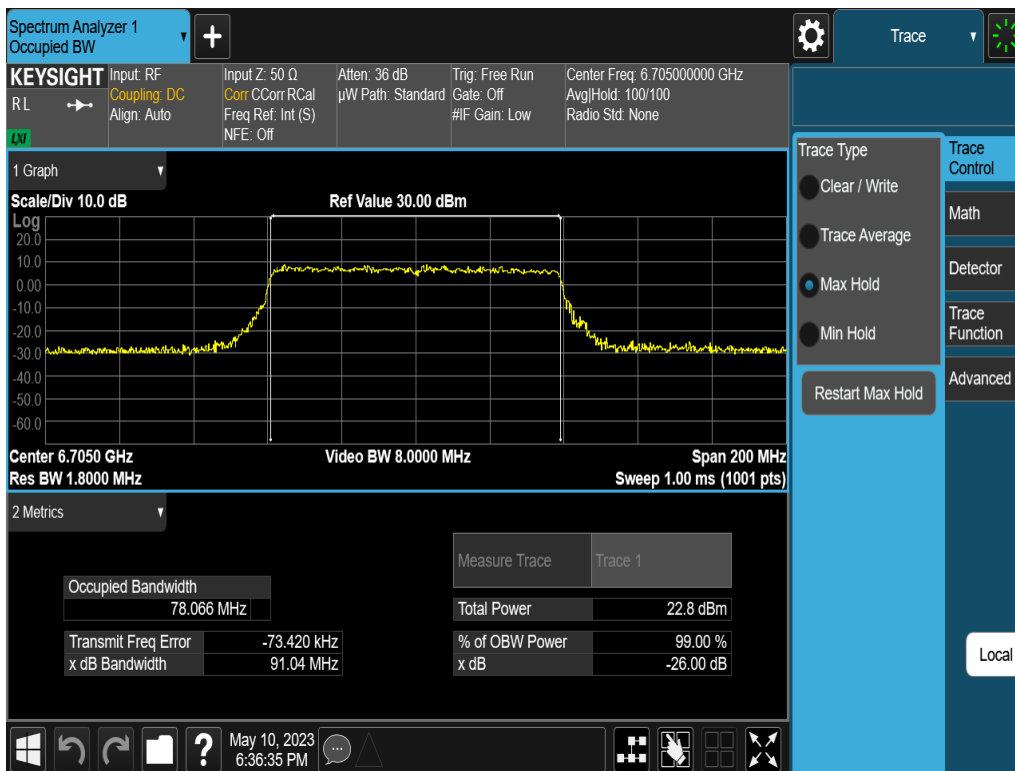
Plot 7-146. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 179)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 92 of 324	



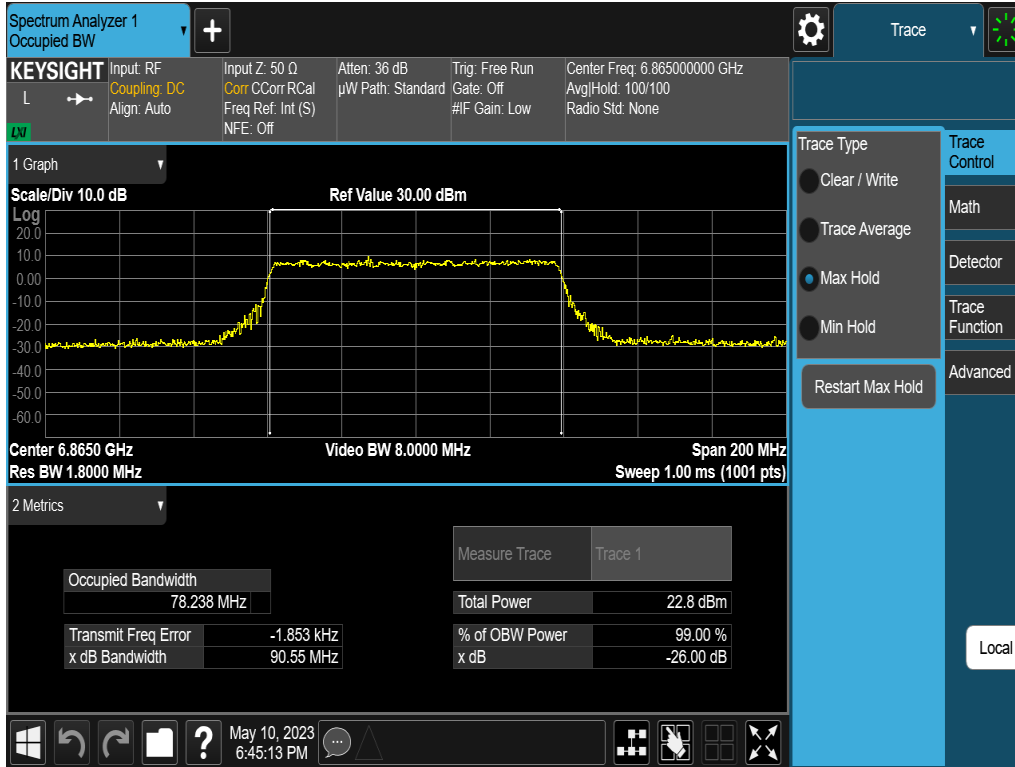


Plot 7-147. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 119)

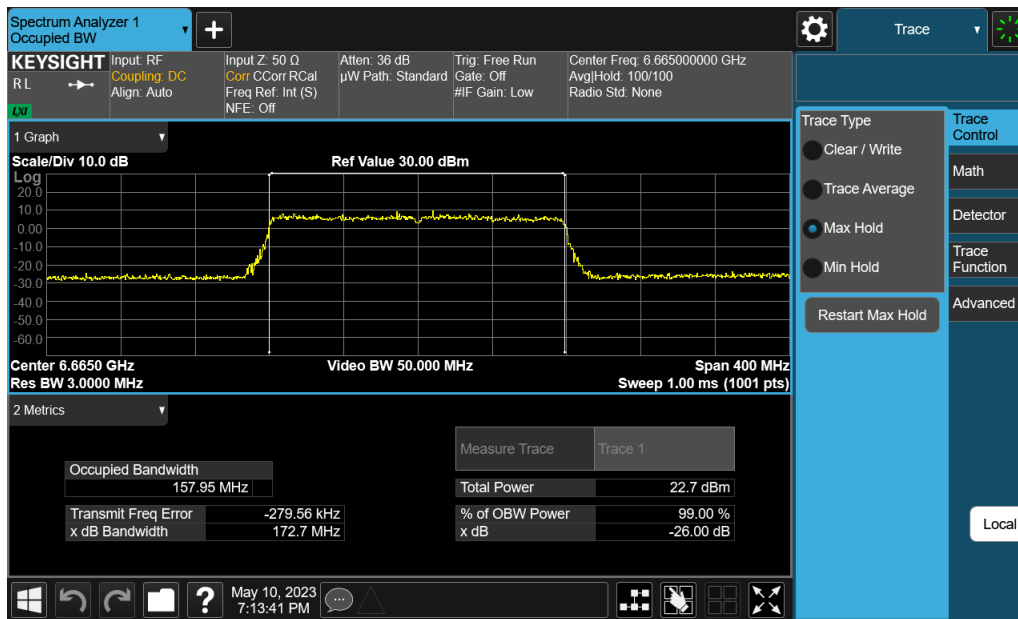


Plot 7-148. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 151)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 93 of 324

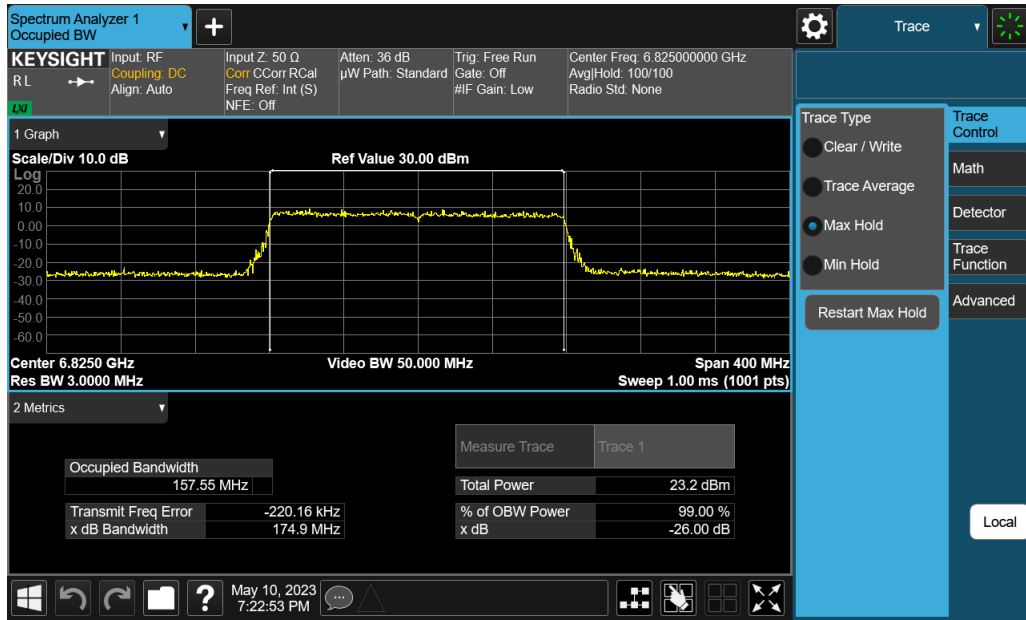


Plot 7-149. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 183)



Plot 7-150. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 143)

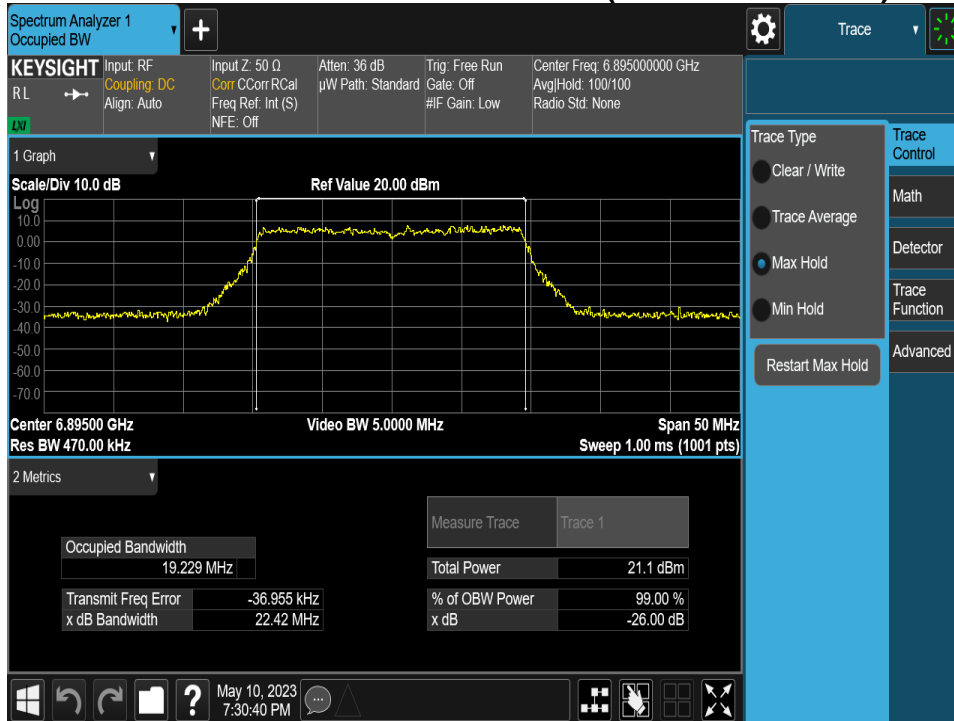
FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 94 of 324



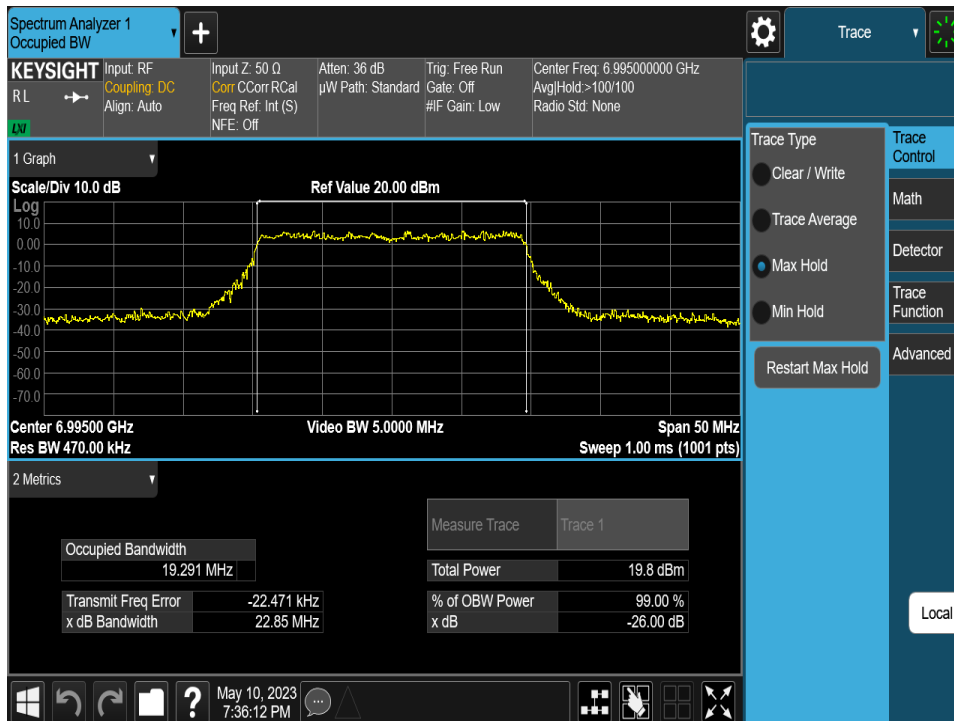
Plot 7-151. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 175)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 95 of 324

## 7.2.16 MIMO Antenna-2 Bandwidth Measurements – (UNII Band 8 - Full)

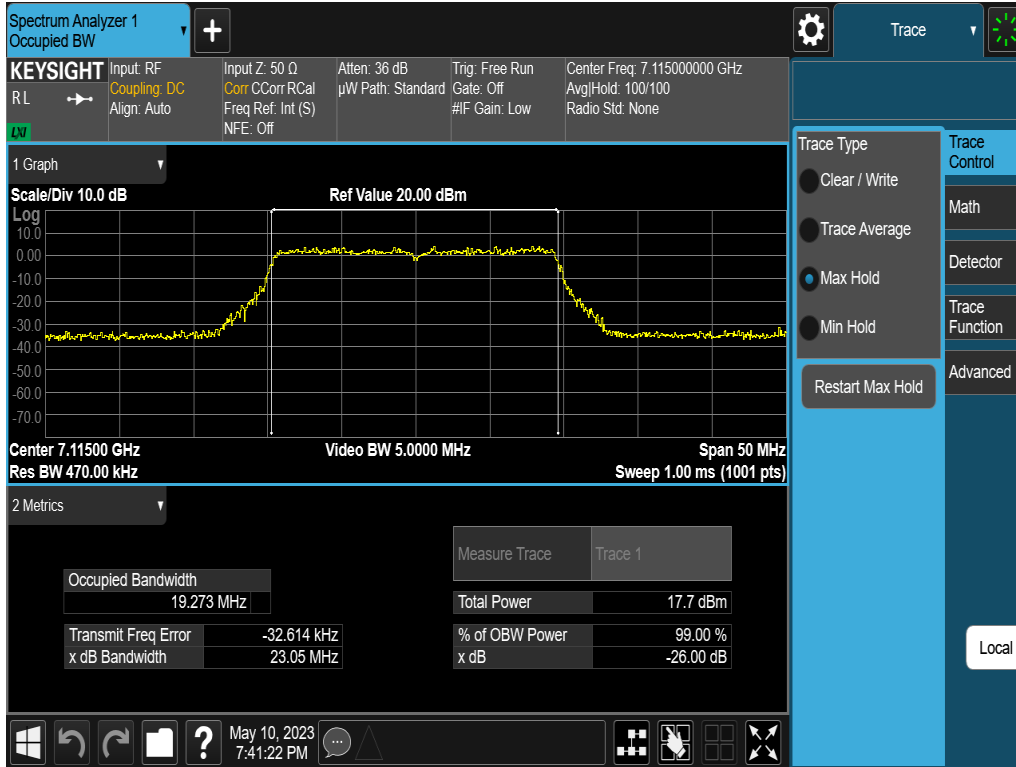


Plot 7-152. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 189)

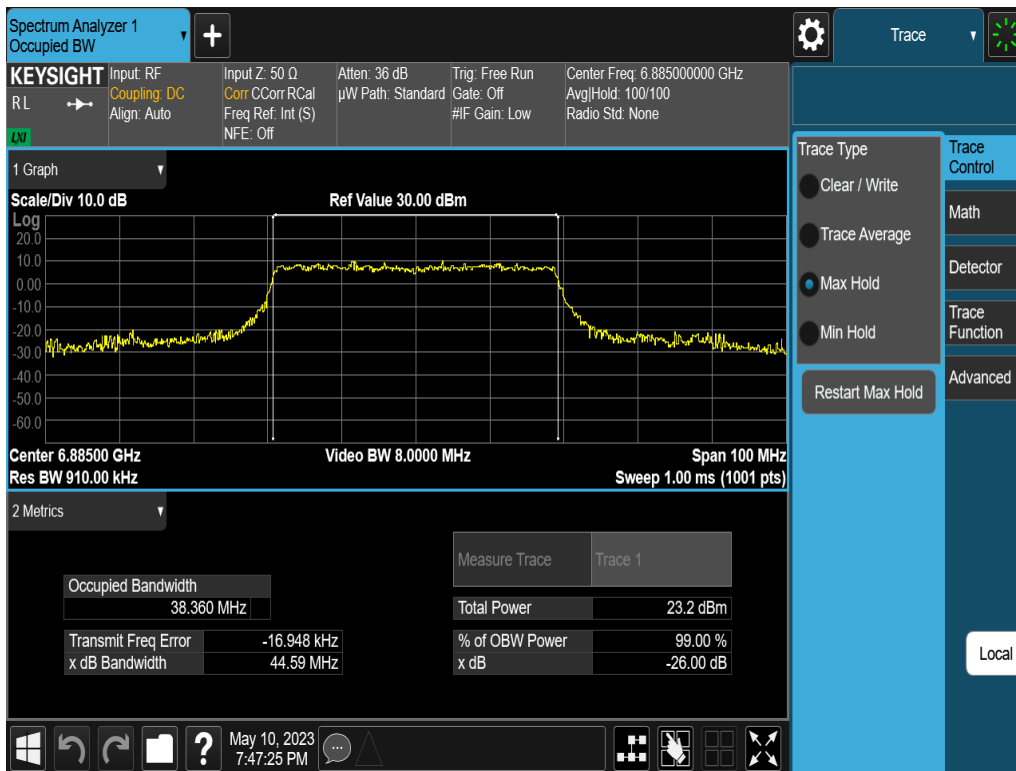


Plot 7-153. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 209)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 96 of 324

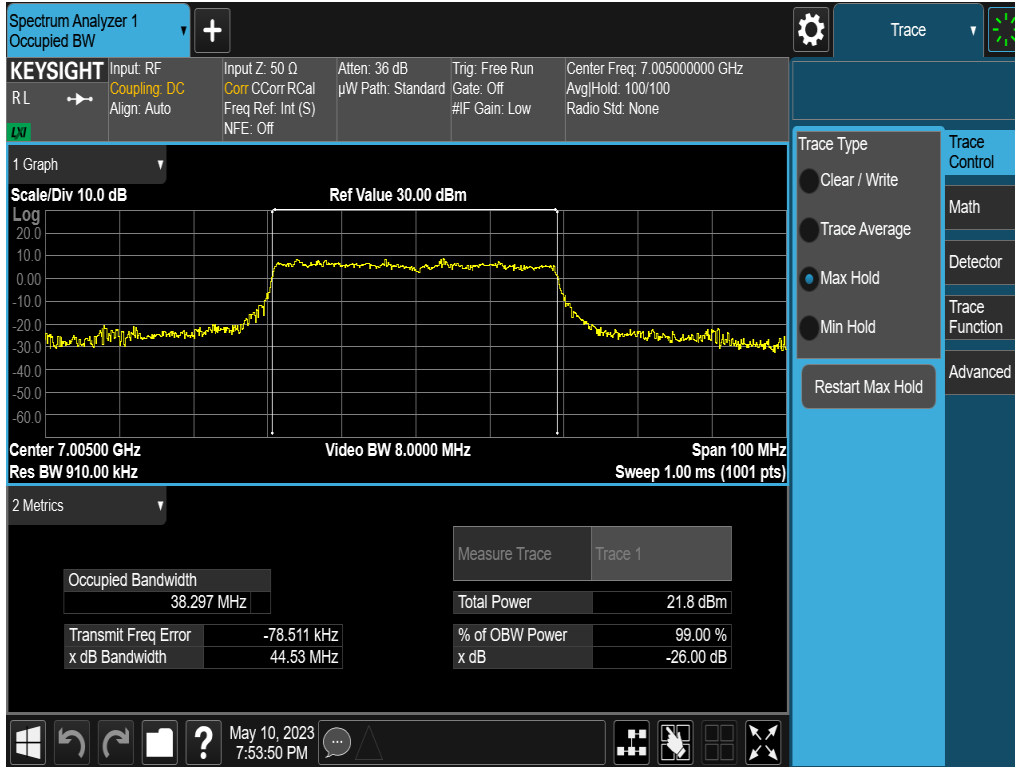


Plot 7-154. Occupied Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 233)

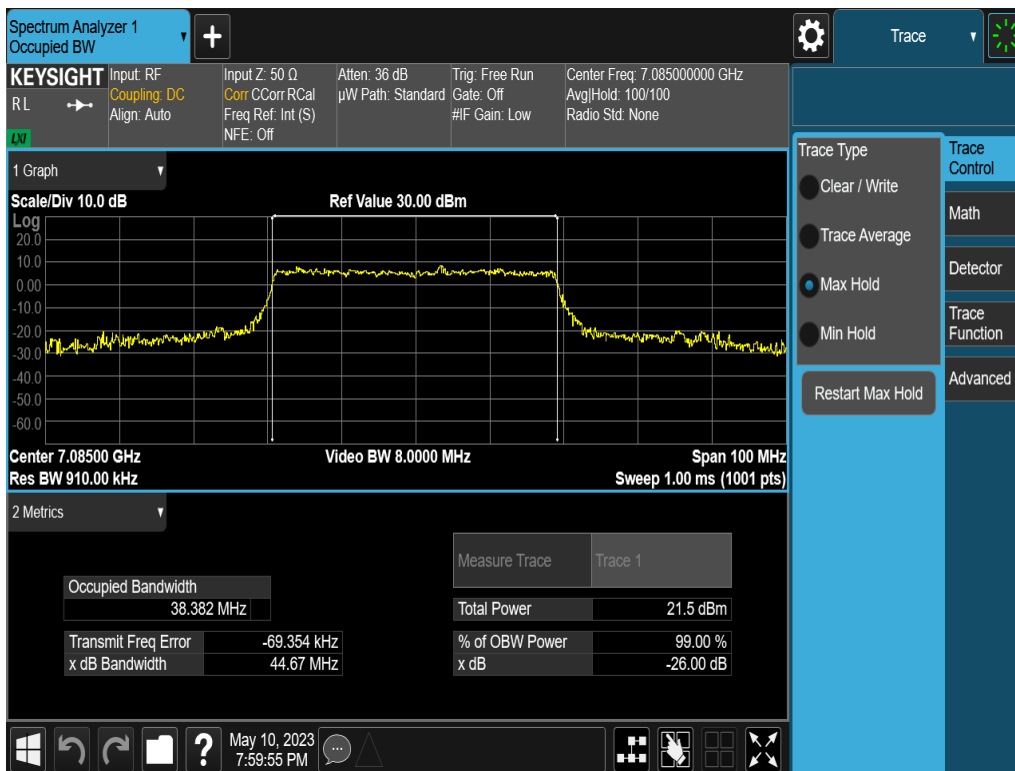


Plot 7-155. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 187)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 97 of 324

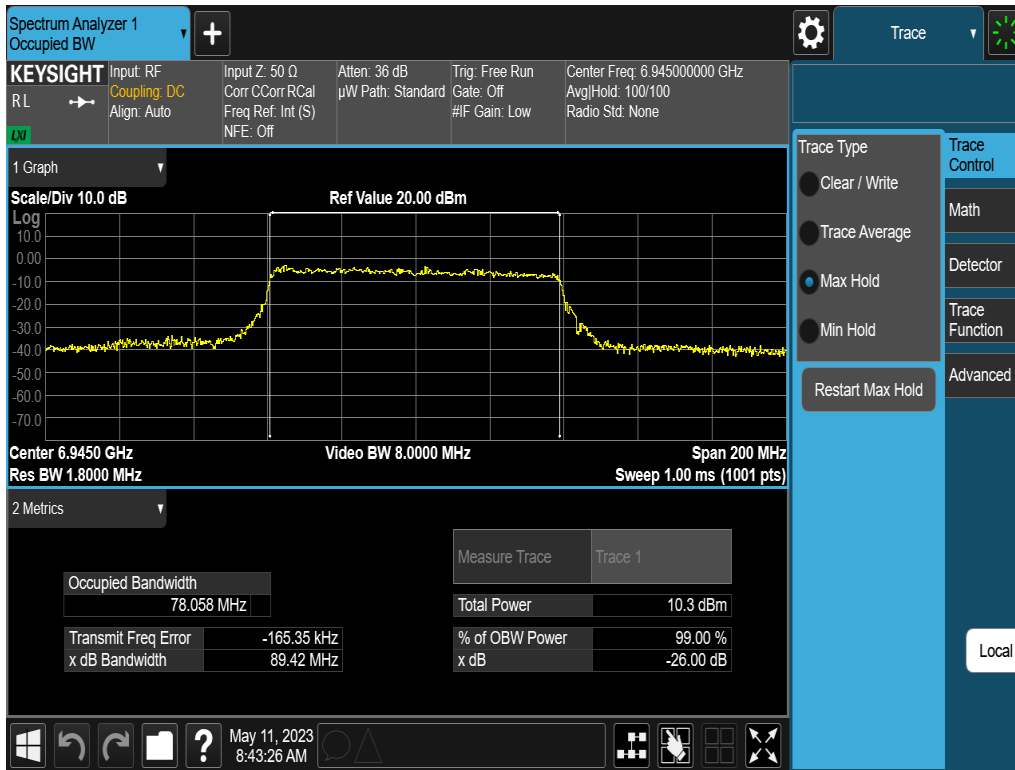


Plot 7-156. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 211)

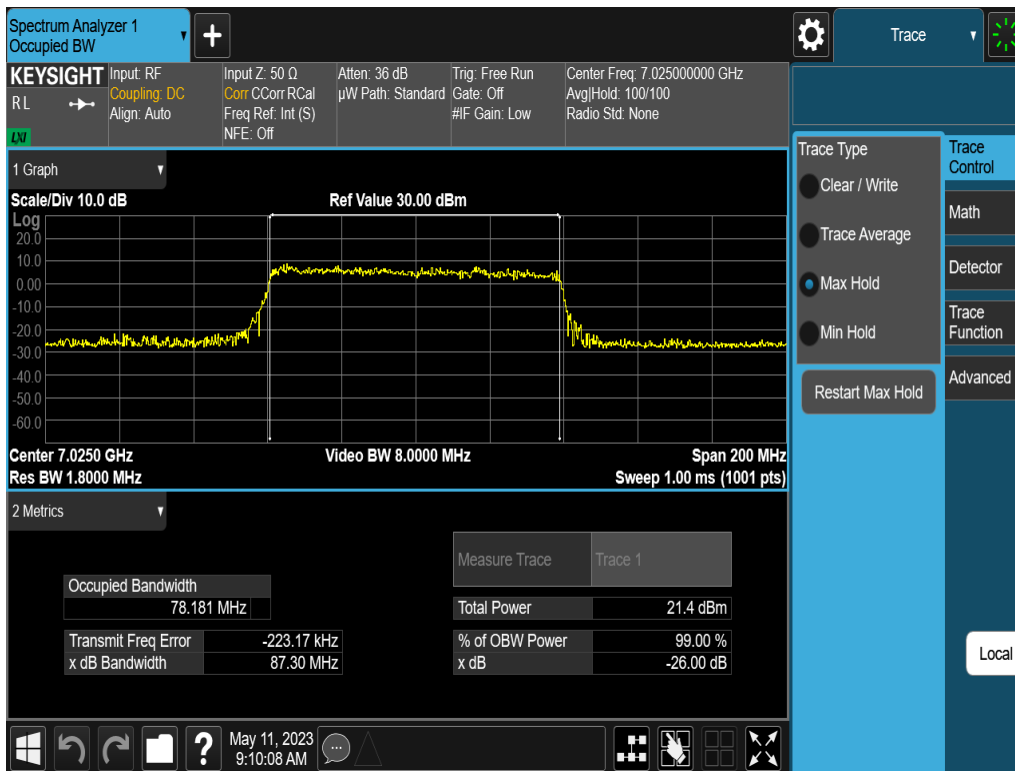


Plot 7-157. Occupied Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 227)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 98 of 324

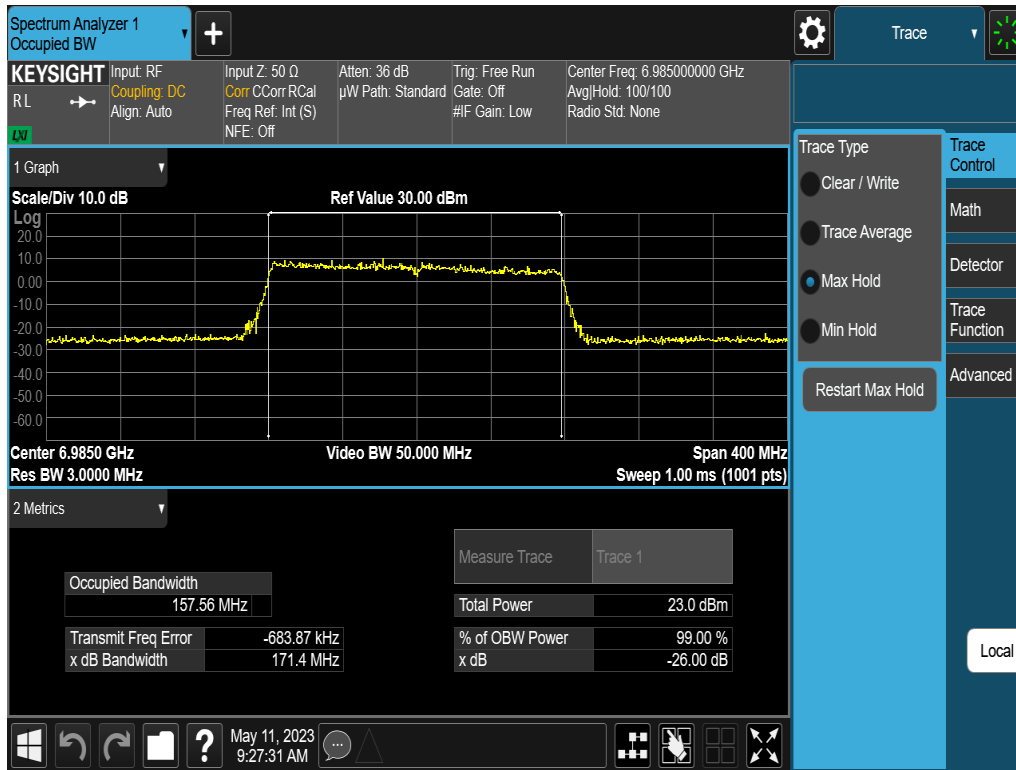


Plot 7-158. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 199)



Plot 7-159. Occupied Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 215)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-160. Occupied Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 207)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 100 of 324



### 7.3 UNII Output Power Measurement

#### Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013, and at the appropriate frequencies.

**For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm. For client devices operating under the control of a standard power access point, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.**

#### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G  
 ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique

#### Test Settings

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 7-2. Test Instrument & Measurement Setup**

#### Test Notes

1. Compliance for this device while operating under the control of either an indoor low power access point or a standard power access point is demonstrated by applying the tighter low power indoor access point limit of 24dBm e.i.r.p. for both cases

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# MIMO Maximum Conducted Output Power Measurements

Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin	
				RU Index: 0			RU Index: 4			RU Index: 8							
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO					
20MHz BW	5	2	26T	2.06	0.33	4.29	1.68	0.23	4.03	2.05	0.47	4.34	-4.34	0.00	24.0	-24.00	
			45	26T	3.06	3.94	6.53	2.79	3.69	6.27	2.55	3.77	6.21	-4.05	2.48	24.0	-21.52
			93	26T	2.98	3.78	6.41	2.65	3.83	6.29	2.00	4.15	6.22	-6.81	-0.40	24.0	-24.40
	6	105	26T	2.86	4.07	6.52	3.26	4.26	6.80	2.42	4.42	6.54	-6.81	-0.01	24.0	-24.01	
			26T	3.28	3.87	6.60	2.30	3.96	6.22	2.41	4.33	6.49	-7.69	-1.09	24.0	-25.09	
			26T	3.21	4.40	6.86	3.05	4.24	6.70	2.57	4.41	6.60	-7.69	-0.83	24.0	-24.83	
	7	149	26T	3.06	4.18	6.67	2.69	3.91	6.35	3.00	4.11	6.60	-7.69	-1.02	24.0	-25.02	
			26T	3.74	3.73	6.75	3.21	3.29	6.26	3.57	3.64	6.62	-8.10	-1.35	24.0	-25.35	
			26T	3.45	4.43	6.98	3.25	3.89	6.59	3.63	4.30	6.99	-7.75	-0.76	24.0	-24.76	
	8	189	26T	3.44	4.14	6.81	3.91	3.93	6.93	3.29	4.26	6.81	-7.75	-0.82	24.0	-24.82	
			26T	3.45	3.56	6.52	2.87	3.48	6.20	3.51	3.62	6.58	-7.74	-1.16	24.0	-25.16	
			233	26T	4.26	3.33	6.83	3.71	3.18	6.46	3.91	3.08	6.53	-8.50	-1.67	24.0	-25.67
40MHz BW	5	3	26T	2.22	1.90	5.07	2.31	2.01	5.17	2.50	2.11	5.32	-4.20	1.12	24.0	-22.88	
			26T	3.18	3.25	6.23	2.66	3.37	6.04	3.01	3.22	6.13	-4.02	2.21	24.0	-21.79	
			26T	3.01	3.69	6.37	2.78	3.81	6.34	2.67	3.95	6.37	-6.81	-0.44	24.0	-24.44	
	6	107	26T	2.78	4.36	6.65	2.86	3.89	6.42	3.13	3.99	6.59	-6.81	-0.16	24.0	-24.16	
			26T	2.99	3.73	6.39	2.78	3.96	6.42	2.82	4.17	6.56	-7.69	-1.13	24.0	-25.13	
			26T	2.78	4.25	6.59	2.63	4.18	6.48	3.15	4.00	6.60	-7.69	-1.09	24.0	-25.09	
	7	155	26T	3.42	3.84	6.65	3.25	3.91	6.60	3.09	4.09	6.63	-7.69	-1.04	24.0	-25.04	
			26T	3.96	3.52	6.76	3.84	3.36	6.62	3.72	3.68	6.71	-8.10	-1.34	24.0	-25.34	
			26T	3.24	4.35	6.84	3.23	4.01	6.65	3.35	3.98	6.69	-8.13	-1.29	24.0	-25.29	
	8	211	26T	3.25	4.13	6.72	3.48	3.99	6.75	3.59	4.18	6.91	-7.75	-0.84	24.0	-24.84	
			26T	3.58	3.41	6.51	3.45	3.35	6.41	3.60	2.91	6.28	-8.21	-1.70	24.0	-25.70	
			227	26T	4.15	3.50	6.85	3.96	3.47	6.73	3.96	3.57	6.78	-8.21	-1.36	24.0	-25.36
	80MHz BW	5	7	26T	4.24	2.79	6.59	4.35	2.54	6.55	3.98	2.46	6.30	-4.20	2.39	24.0	-21.61
				26T	3.97	2.82	6.44	4.29	3.11	6.75	4.32	2.75	6.62	-4.02	2.73	24.0	-21.27
				26T	3.17	3.47	6.33	3.65	3.45	6.56	3.45	3.69	6.58	-5.58	1.00	24.0	-23.00
6		103	26T	3.81	3.45	6.64	3.32	3.45	6.40	3.10	3.30	6.21	-6.81	-0.17	24.0	-24.17	
			26T	3.77	3.53	6.66	3.11	2.97	6.05	3.23	3.11	6.18	-7.69	-1.03	24.0	-25.03	
			26T	4.07	3.16	6.65	4.22	2.81	6.58	4.08	2.98	6.58	-8.10	-1.45	24.0	-25.45	
7		183	26T	3.62	3.92	6.78	3.65	3.70	6.69	3.91	3.57	6.75	-7.75	-0.97	24.0	-24.97	
			26T	3.80	3.70	6.76	3.12	2.93	6.04	3.49	2.59	6.07	-7.75	-0.99	24.0	-24.99	
			215	26T	4.54	3.03	6.86	4.25	2.36	6.42	4.06	2.03	6.17	-7.74	-0.88	24.0	-24.88
160MHz BW 80L		5	15	26T	2.88	3.47	6.20	3.12	3.86	6.52	3.34	3.94	6.66	-4.20	2.47	24.0	-21.53
				26T	2.48	3.62	6.10	3.45	4.36	6.94	2.77	3.92	6.39	-4.05	2.89	24.0	-21.11
				26T	2.17	4.52	6.51	3.03	3.94	6.52	3.20	4.15	6.71	-5.58	1.13	24.0	-22.87
	6	111	26T	3.08	3.71	6.42	3.28	3.74	6.53	3.26	4.19	6.76	-7.69	-0.93	24.0	-24.93	
			26T	3.18	3.59	6.40	3.36	4.15	6.78	3.43	3.74	6.60	-8.10	-1.32	24.0	-25.32	
			26T	3.04	3.41	6.24	3.29	3.95	6.64	3.25	3.54	6.41	-8.13	-1.48	24.0	-25.48	
	8	207	26T	3.20	3.44	6.33	3.57	3.67	6.63	3.86	3.94	6.91	-7.74	-0.83	24.0	-24.83	
			26T	3.81	4.02	6.93	3.49	3.57	6.54	3.75	3.72	6.75	-4.20	2.73	24.0	-21.27	
160MHz BW 80U	5	47	26T	3.08	4.19	6.68	3.68	4.18	6.95	2.87	3.45	6.18	-4.05	2.90	24.0	-21.10	
			26T	2.90	4.68	6.89	3.25	4.21	6.77	3.14	4.15	6.68	-5.58	1.31	24.0	-22.69	
			26T	2.76	3.91	6.38	2.50	3.71	6.16	2.46	3.60	6.08	-7.69	-1.31	24.0	-25.31	
	6	143	26T	3.81	3.75	6.79	3.87	3.25	6.58	3.50	2.71	6.13	-8.10	-1.31	24.0	-25.31	
			26T	3.12	4.13	6.66	3.73	3.83	6.79	3.99	3.25	6.65	-8.13	-1.34	24.0	-25.34	
			26T	3.94	3.93	6.95	3.80	3.16	6.50	3.76	3.14	6.47	-7.74	-0.80	24.0	-24.80	

Table 7-2. MIMO 802.11ax (UNII) Maximum Conducted Output Power – 26T

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 102 of 324





Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin	
				RU Index: 61			N/A			N/A								
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
20MHz BW	5	2 242T	5935	9.24	8.96	12.11							0.11	-4.34	7.89	24.0	-16.11	
			6175	12.19	12.39	15.30							0.11	-4.05	11.37	24.0	-12.63	
			6415	12.00	13.18	15.64							0.11	-6.81	8.94	24.0	-15.06	
	6	242T	6435	11.33	12.98	15.24							0.11	-6.81	8.55	24.0	-15.45	
			6475	11.80	12.94	15.42							0.11	-7.69	7.84	24.0	-16.16	
			6515	11.70	13.14	15.49							0.11	-7.69	7.91	24.0	-16.09	
	7	242T	6535	11.90	12.92	15.45							0.11	-7.69	7.87	24.0	-16.13	
			6695	12.42	12.45	15.45							0.11	-8.10	7.46	24.0	-16.54	
			6875	12.28	13.04	15.69							0.11	-7.75	8.05	24.0	-15.95	
	8	242T	6895	12.62	13.29	15.98							0.11	-7.75	8.34	24.0	-15.66	
			6995	12.69	12.36	15.54							0.11	-7.74	7.91	24.0	-16.09	
			7115	11.15	9.96	13.61							0.11	-8.50	5.22	24.0	-18.78	
40MHz BW	5	3 242T	5965	12.95	12.39	15.69	12.89	12.52	15.72				0.11	-4.20	11.63	24.0	-12.37	
			6165	12.44	12.42	15.44	12.25	12.23	15.25				0.11	-4.02	11.53	24.0	-12.47	
			6405	11.69	12.86	15.32	11.50	12.83	15.23				0.11	-6.81	8.63	24.0	-15.37	
	6	242T	6445	12.06	13.22	15.69	12.08	13.08	15.62				0.11	-6.81	8.99	24.0	-15.01	
			6485	11.97	12.72	15.37	12.00	13.11	15.60				0.11	-7.69	8.02	24.0	-15.98	
			6525	12.15	13.17	15.70	11.98	12.90	15.47				0.11	-7.69	8.12	24.0	-15.88	
	7	242T	6585	12.24	12.84	15.56	12.25	13.12	15.72				0.11	-7.69	8.14	24.0	-15.86	
			6725	13.01	12.57	15.81	12.87	12.51	15.70				0.11	-8.10	7.82	24.0	-16.18	
			6845	12.15	13.17	15.70	12.21	13.20	15.74				0.11	-8.13	7.73	24.0	-16.27	
	8	242T	6885	11.91	12.92	15.45	12.08	13.05	15.60				0.11	-7.75	7.97	24.0	-16.03	
			7005	12.48	12.28	15.39	12.56	12.01	15.30				0.11	-8.21	7.30	24.0	-16.70	
			7085	12.79	11.69	15.29	12.83	11.52	15.23				0.11	-8.21	7.19	24.0	-16.81	
	80MHz BW	5	7 242T	5985	12.43	12.52	15.49	12.72	12.40	15.57	12.16	12.14	15.16	0.11	-4.20	11.49	24.0	-12.51
				6145	12.36	12.09	15.24	12.55	12.11	15.35	12.36	11.90	15.15	0.11	-4.02	11.44	24.0	-12.56
				6385	11.52	13.10	15.39	11.75	12.97	15.41	11.92	13.10	15.56	0.11	-5.58	10.09	24.0	-13.91
		6	242T	6465	11.91	13.17	15.60	11.72	13.05	15.45	11.66	12.90	15.33	0.11	-6.81	8.90	24.0	-15.10
				6545	12.37	12.93	15.67	12.06	12.82	15.47	11.86	12.56	15.23	0.11	-7.69	8.09	24.0	-15.91
				6705	12.50	12.48	15.50	12.74	12.70	15.73	12.50	12.06	15.30	0.11	-8.10	7.74	24.0	-16.26
7		242T	6865	12.28	12.94	15.63	12.46	13.35	15.94	12.58	13.29	15.96	0.11	-7.75	8.32	24.0	-15.68	
			6945	11.85	13.00	15.47	12.08	12.51	15.31	12.03	12.23	15.14	0.11	-7.75	7.84	24.0	-16.16	
			7025	13.12	12.36	15.77	13.01	12.03	15.56	13.05	11.53	15.37	0.11	-7.74	8.14	24.0	-15.86	
160MHz BW 80L		5	15 242T	6025	12.21	12.61	15.42	12.62	12.59	15.62	12.52	12.59	15.57	0.09	-4.20	11.51	24.0	-12.49
				6185	11.65	12.34	15.02	11.84	12.63	15.26	11.54	12.41	15.01	0.09	-4.05	11.31	24.0	-12.69
				6345	11.29	13.09	15.29	11.47	13.11	15.38	11.78	13.16	15.53	0.09	-5.58	10.05	24.0	-13.95
	6	242T	6505	12.14	13.31	15.77	12.04	13.04	15.58	11.92	12.74	15.36	0.09	-7.69	8.17	24.0	-15.83	
			6665	11.76	12.81	15.33	12.37	12.46	15.43	12.52	12.60	15.57	0.09	-8.10	7.56	24.0	-16.44	
			6825	12.30	12.89	15.62	12.38	12.95	15.68	12.31	12.79	15.57	0.09	-8.13	7.65	24.0	-16.35	
	8	242T	6985	12.00	12.95	15.51	12.20	12.57	15.40	12.34	12.58	15.47	0.09	-7.74	7.86	24.0	-16.14	
160MHz BW 80U	5	15 242T	6025	12.43	12.82	15.64	12.51	12.26	15.40	12.47	12.24	15.37	0.11	-4.20	11.55	24.0	-12.45	
			6185	12.08	12.77	15.45	12.31	12.65	15.49	12.06	12.44	15.26	0.11	-4.05	11.56	24.0	-12.44	
			6345	11.68	13.29	15.57	11.59	13.02	15.37	11.45	12.83	15.20	0.11	-5.58	10.10	24.0	-13.90	
	6	242T	6505	11.67	12.77	15.27	11.46	12.94	15.27	11.79	12.61	15.23	0.11	-7.69	7.69	24.0	-16.31	
			6665	12.52	12.54	15.54	12.72	12.76	15.75	12.57	12.06	15.33	0.11	-8.10	7.75	24.0	-16.25	
			6825	12.45	12.53	15.50	12.20	12.34	15.28	12.60	12.70	15.66	0.11	-8.13	7.64	24.0	-16.36	
	8	242T	6985	12.40	12.59	15.51	12.49	12.03	15.28	12.44	11.84	15.16	0.11	-7.74	7.87	24.0	-16.13	

Table 7-5. MIMO 802.11ax (U11) Maximum Conducted Output Power – 242T

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 105 of 324

Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)						DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin		
				RU Index: 65			N/A									
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO							
40MHz BW	5	5965	3	484T	13.95	13.22	16.61				0.20	-4.20	12.61	24.0	-11.39	
		6165	43	484T	14.25	13.84	17.06				0.20	-4.02	13.24	24.0	-10.76	
		6405	91	484T	13.83	14.93	17.43				0.20	-6.81	10.81	24.0	-13.19	
	6	6445	99	484T	13.68	15.09	17.45				0.20	-6.81	10.84	24.0	-13.16	
		6485	107	484T	13.66	14.78	17.27				0.20	-7.69	9.77	24.0	-14.23	
		6525	115	484T	13.66	14.76	17.26				0.20	-7.69	9.76	24.0	-14.24	
	7	6565	123	484T	14.16	14.71	17.45				0.20	-7.69	9.96	24.0	-14.04	
		6725	155	484T	15.02	14.65	17.85				0.20	-8.10	9.95	24.0	-14.05	
		6845	179	484T	13.92	14.95	17.48				0.20	-8.13	9.54	24.0	-14.46	
	8	6885	187	484T	14.41	14.99	17.72				0.20	-7.75	10.17	24.0	-13.83	
		7005	211	484T	14.38	14.10	17.25				0.20	-8.21	9.24	24.0	-14.76	
		7085	227	484T	14.79	13.82	17.34				0.20	-8.21	9.33	24.0	-14.67	
80MHz BW	5	5985	7	484T	14.64	14.16	17.42	14.33	13.72	17.05	0.20	-4.20	13.42	24.0	-10.58	
		6145	39	484T	14.49	13.92	17.22	14.54	13.77	17.18	0.20	-4.02	13.41	24.0	-10.59	
		6385	87	484T	13.81	14.98	17.44	13.84	14.99	17.46	0.20	-5.58	12.09	24.0	-11.91	
	6	6465	103	484T	13.81	14.82	17.35	13.60	14.83	17.27	0.20	-6.81	10.75	24.0	-13.25	
		6545	119	484T	14.02	14.82	17.45	13.90	14.41	17.17	0.20	-7.69	9.96	24.0	-14.04	
		6705	151	484T	14.61	14.54	17.59	14.56	14.21	17.40	0.20	-8.10	9.69	24.0	-14.31	
	7	6865	183	484T	13.96	15.08	17.57	14.48	15.15	17.84	0.20	-7.75	10.29	24.0	-13.71	
		6945	199	484T	13.97	14.71	17.37	14.08	14.00	17.05	0.20	-7.75	9.82	24.0	-14.18	
		7025	215	484T	14.88	13.89	17.42	14.73	13.36	17.11	0.20	-7.74	9.89	24.0	-14.11	
	160MHz BW 80L	5	6025	15	484T	13.19	13.52	16.37	13.04	13.53	16.30	0.16	-4.20	12.33	24.0	-11.67
			6185	47	484T	13.04	13.67	16.38	12.94	13.39	16.18	0.16	-4.05	12.49	24.0	-11.51
			6345	79	484T	12.34	14.16	16.35	12.67	13.93	16.36	0.16	-5.58	10.93	24.0	-13.07
6		6505	111	484T	12.89	13.77	16.36	12.59	13.49	16.07	0.16	-7.69	8.83	24.0	-15.17	
		6665	143	484T	13.15	13.92	16.56	13.47	13.33	16.41	0.16	-8.10	8.61	24.0	-15.39	
		6825	175	484T	13.37	13.98	16.70	13.35	13.76	16.57	0.16	-8.13	8.73	24.0	-15.27	
8		6985	207	484T	13.07	13.25	16.17	13.08	13.08	16.09	0.16	-7.74	8.58	24.0	-15.42	
160MHz BW 80U		5	6025	15	484T	13.26	13.36	16.32	13.22	13.10	16.17	0.19	-4.20	12.31	24.0	-11.69
			6185	47	484T	13.45	13.50	16.49	13.45	13.31	16.39	0.19	-4.05	12.63	24.0	-11.37
			6345	79	484T	12.43	13.90	16.24	12.73	13.56	16.18	0.19	-5.58	10.85	24.0	-13.15
		6	6505	111	484T	12.46	13.70	16.13	12.44	13.61	16.07	0.19	-7.69	8.63	24.0	-15.37
			6665	143	484T	13.61	13.70	16.67	13.11	13.01	16.07	0.19	-8.10	8.75	24.0	-15.25
	6825		175	484T	13.32	13.10	16.22	13.36	13.19	16.29	0.19	-8.13	8.35	24.0	-15.65	
	8	6985	207	484T	13.12	13.15	16.15	13.53	12.95	16.26	0.19	-7.74	8.70	24.0	-15.30	

Table 7-6. MIMO 802.11ax (UNII) Maximum Conducted Output Power – 484T

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 106 of 324

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)			DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin
					RU Index: 67							
					ANT1	ANT2	MIMO					
5	5985	7	996T	14.93	14.37	17.67	0.19	-4.20	13.65	24.0	-10.35	
	6145	39	996T	14.42	13.70	17.09	0.19	-4.02	13.25	24.0	-10.75	
	6385	87	996T	13.77	14.98	17.43	0.19	-5.58	12.03	24.0	-11.97	
6	6465	103	996T	13.65	15.05	17.42	0.19	-6.81	10.79	24.0	-13.21	
	6545	119	996T	13.86	14.57	17.24	0.19	-7.69	9.74	24.0	-14.26	
7	6705	151	996T	14.57	14.42	17.51	0.19	-8.10	9.59	24.0	-14.41	
	6865	183	996T	14.30	14.94	17.64	0.19	-7.75	10.08	24.0	-13.92	
	6945	199	996T	13.90	14.41	17.17	0.19	-7.75	9.61	24.0	-14.39	
8	7025	215	996T	14.77	13.57	17.22	0.19	-7.74	9.67	24.0	-14.33	

160MHz BW 80L	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)			DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin
					RU Index: 67(L)							
					ANT1	ANT2	MIMO					
5	6025	15	996T	13.30	13.25	16.29	0.19	-4.20	12.28	24.0	-11.72	
	6185	47	996T	12.84	13.32	16.10	0.19	-4.05	12.24	24.0	-11.76	
	6345	79	996T	12.50	14.17	16.43	0.19	-5.58	11.03	24.0	-12.97	
6	6505	111	996T	12.74	13.89	16.36	0.19	-7.69	8.86	24.0	-15.14	
	6665	143	996T	13.35	13.70	16.54	0.19	-8.10	8.62	24.0	-15.38	
7	6825	175	996T	13.26	13.90	16.60	0.19	-8.13	8.66	24.0	-15.34	
	6985	207	996T	13.30	13.65	16.49	0.19	-7.74	8.93	24.0	-15.07	

160MHz BW 80U	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)			DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin
					RU Index: 67(U)							
					ANT1	ANT2	MIMO					
5	6025	15	996T	13.12	13.15	16.15	0.19	-4.20	12.14	24.0	-11.86	
	6185	47	996T	13.46	13.54	16.51	0.19	-4.05	12.65	24.0	-11.35	
	6345	79	996T	12.41	14.04	16.31	0.19	-5.58	10.92	24.0	-13.08	
6	6505	111	996T	12.45	13.92	16.26	0.19	-7.69	8.75	24.0	-15.25	
	6665	143	996T	13.72	13.46	16.60	0.19	-8.10	8.68	24.0	-15.32	
7	6825	175	996T	13.91	13.97	16.95	0.19	-8.13	9.01	24.0	-14.99	
	6985	207	996T	13.42	12.87	16.16	0.19	-7.74	8.61	24.0	-15.39	

Table 7-7. MIMO 802.11ax (UNII) Maximum Conducted Output Power – 996T

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)			DCCF [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. margin
					RU Index: 68							
					ANT1	ANT2	MIMO					
5	6025	15	996T	13.33	13.71	16.53	0.00	-4.20	12.34	24.0	-11.66	
	6185	47	996T	12.95	13.39	16.19	0.00	-4.05	12.14	24.0	-11.86	
	6345	79	996T	13.14	14.58	16.93	0.00	-5.58	11.35	24.0	-12.65	
6	6505	111	996T	12.88	14.13	16.56	0.00	-7.69	8.87	24.0	-15.13	
	6665	143	996T	12.79	14.11	16.51	0.00	-8.10	8.41	24.0	-15.59	
7	6825	175	996T	12.89	13.24	16.08	0.00	-8.13	7.95	24.0	-16.05	
	6985	207	996T	13.50	13.36	16.44	0.00	-7.74	8.70	24.0	-15.30	

Table 7-8. MIMO 802.11ax (UNII) Maximum Conducted Output Power – 2x996T

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 107 of 324



**Sample MIMO Calculation:**

At 5935MHz in 802.11ax (20MHz BW – 26 Tones) mode, the average conducted output power was measured to be 2.05 dBm for Antenna-1 and 0.47 dBm for Antenna-2.

$$\text{Antenna 1} + \text{Antenna 2} = \text{MIMO}$$

$$(2.05 \text{ dBm} + 0.47 \text{ dBm}) = (1.603 \text{ mW} + 1.114 \text{ mW}) = 2.717 \text{ mW} = 4.34 \text{ dBm}$$

**Sample Directional Gain Calculation:**

Per ANSI C63.10-2013 Section 14.4.3, the directional gain is calculated using the following formula, where GN is the gain of the nth antenna and NANT, the total number of antennas used.

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

**Sample e.i.r.p. Calculation:**

At 5935MHz in 802.11ax (20MHz BW – 26 Tones) mode, the average MIMO conducted power was calculated to be 4.34 dBm with directional gain of -4.34 dBi.

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

$$4.34 \text{ dBm} + -4.34 \text{ dBi} = 0.0 \text{ dBm}$$

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<b>Test Report S/N:</b> 1M2303200036-09.A3L	<b>Test Dates:</b> 04/03/2023 - 05/18/2023	<b>EUT Type:</b> Portable Tablet	Page 108 of 324



## 7.4 Maximum Power Spectral Density

### Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013, was used to measure the power spectral density.

***In the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band.***

### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2

ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique

### Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation.
2. Span was set to encompass the entire emission bandwidth of the signal.
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points  $\geq 2 \times (\text{span}/\text{RBW})$
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes.
9. Trace was averaged over 100 sweeps.
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

### Test Setup

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



**Figure 7-3. Test Instrument & Measurement Setup**

### Test Notes

None.

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## MIMO Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Antenna-1 Gain [dBi]	Antenna-2 Gain [dBi]	Summed MIMO Power Density [dBm]	Directional Gain [dBi]	EIRP [dBm]	Max EIRP [dBm]	Margin [dB]
Band 5	5935	2	ax (20MHz)	-0.21	-1.36	-6.89	-7.84	2.27	-4.34	-2.08	-1	-1.08
	6175	45	ax (20MHz)	-0.42	0.18	-5.99	-8.27	2.90	-4.05	-1.15	-1	-0.15
	6415	93	ax (20MHz)	0.72	1.94	-8.71	-11.10	4.38	-6.81	-2.43	-1	-1.43
	5965	3	ax (40MHz)	-0.30	-1.12	-6.14	-8.42	2.32	-4.20	-1.87	-1	-0.87
	6165	43	ax (40MHz)	-0.18	-0.17	-6.17	-7.98	2.83	-4.02	-1.18	-1	-0.18
	6405	91	ax (40MHz)	1.46	0.68	-8.71	-11.10	4.10	-6.81	-2.71	-1	-1.71
	5985	7	ax (80MHz)	-1.13	-0.31	-6.14	-8.42	2.31	-4.20	-1.88	-1	-0.88
	6145	39	ax (80MHz)	-0.05	-1.01	-6.17	-7.98	2.50	-4.02	-1.51	-1	-0.51
	6385	87	ax (80MHz)	-1.61	1.23	-7.45	-9.90	3.05	-5.58	-2.53	-1	-1.53
	6025	15	ax (160MHz)	-1.69	0.32	-6.14	-8.42	2.44	-4.20	-1.76	-1	-0.76
Band 6	6185	47	ax (160MHz)	-0.78	0.39	-5.99	-8.27	2.85	-4.05	-1.19	-1	-0.19
	6345	79	ax (160MHz)	-0.65	0.98	-7.45	-9.90	3.25	-5.58	-2.33	-1	-1.33
	6435	97	ax (20MHz)	-0.82	1.34	-8.71	-11.10	3.40	-6.81	-3.41	-1	-2.41
	6475	105	ax (20MHz)	0.95	1.80	-9.73	-11.80	4.41	-7.69	-3.29	-1	-2.29
	6515	113	ax (20MHz)	0.47	1.99	-9.73	-11.80	4.31	-7.69	-3.39	-1	-2.39
	6445	99	ax (40MHz)	0.77	2.16	-8.71	-11.10	4.53	-6.81	-2.29	-1	-1.29
	6485	107	ax (40MHz)	0.69	1.70	-9.73	-11.80	4.23	-7.69	-3.46	-1	-2.46
	6525	115	ax (40MHz)	0.16	1.56	-9.73	-11.80	3.93	-7.69	-3.77	-1	-2.77
	6465	103	ax (80MHz)	-0.51	0.50	-8.71	-11.10	3.03	-6.81	-3.78	-1	-2.78
	6505	111	ax (160MHz)	0.17	1.75	-9.73	-11.80	4.05	-7.69	-3.65	-1	-2.65
Band 7	6535	117	ax (20MHz)	0.39	1.34	-9.73	-11.80	3.90	-7.69	-3.79	-1	-2.79
	6695	149	ax (20MHz)	1.10	1.31	-9.74	-12.75	4.21	-8.10	-3.89	-1	-2.89
	6875	185	ax (20MHz)	0.63	1.33	-9.92	-11.70	4.01	-7.75	-3.75	-1	-2.75
	6565	123	ax (40MHz)	0.37	1.11	-9.73	-11.80	3.76	-7.69	-3.93	-1	-2.93
	6685	155	ax (40MHz)	1.10	0.10	-9.74	-12.75	3.64	-8.10	-4.47	-1	-3.47
	6845	179	ax (40MHz)	0.51	1.20	-9.96	-12.50	3.88	-8.13	-4.25	-1	-3.25
	6545	119	ax (80MHz)	-0.46	0.61	-9.73	-11.80	3.12	-7.69	-4.57	-1	-3.57
	6705	151	ax (80MHz)	-0.69	0.55	-9.74	-12.75	2.99	-8.10	-5.12	-1	-4.12
	6865	183	ax (80MHz)	0.40	1.47	-9.92	-11.70	3.98	-7.75	-3.77	-1	-2.77
	6665	143	ax (160MHz)	-0.17	0.63	-9.74	-12.75	3.26	-8.10	-4.85	-1	-3.85
Band 8	6825	175	ax (160MHz)	1.35	1.59	-9.96	-12.50	4.48	-8.13	-3.64	-1	-2.64
	6895	189	ax (20MHz)	-0.74	1.22	-9.92	-11.70	3.36	-7.75	-4.39	-1	-3.39
	6995	209	ax (20MHz)	0.93	0.51	-9.82	-11.80	3.73	-7.74	-4.01	-1	-3.01
	7115	233	ax (20MHz)	1.38	0.86	-10.10	-13.20	4.14	-8.50	-4.36	-1	-3.36
	6885	187	ax (40MHz)	-1.33	1.40	-9.92	-11.70	3.25	-7.75	-4.50	-1	-3.50
	6965	211	ax (40MHz)	0.50	0.26	-9.92	-12.75	3.39	-8.21	-4.82	-1	-3.82
	7085	227	ax (40MHz)	1.69	0.39	-10.26	-12.29	4.09	-8.21	-4.11	-1	-3.11
	6945	199	ax (80MHz)	0.05	1.07	-9.92	-11.70	3.60	-7.75	-4.15	-1	-3.15
	7025	215	ax (80MHz)	1.03	0.27	-9.82	-11.80	3.68	-7.74	-4.07	-1	-3.07
	6985	207	ax (160MHz)	1.15	1.01	-9.82	-11.80	4.09	-7.74	-3.65	-1	-2.65

Table 7-9. MIMO e.i.r.p. Conducted Power Spectral Density Measurements (26 Tones)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 110 of 324

	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Antenna-1 Gain [dBi]	Antenna-2 Gain [dBi]	Summed MIMO Power Density [dBm]	Directional Gain [dBi]	EIRP [dBm]	Max EIRP [dBm]	Margin [dB]
Band 5	5935	2	ax (20MHz)	-1.84	-2.62	-6.89	-7.84	0.91	-4.34	-3.43	-1	-2.43
	6175	45	ax (20MHz)	-0.45	-0.56	-5.99	-8.27	2.62	-4.05	-1.43	-1	-0.43
	6415	93	ax (20MHz)	-0.26	1.58	-8.71	-11.10	3.88	-6.81	-2.93	-1	-1.93
	5965	3	ax (40MHz)	-0.92	-1.16	-6.14	-8.42	2.17	-4.20	-2.03	-1	-1.03
	6165	43	ax (40MHz)	0.03	-0.57	-6.17	-7.98	2.94	-4.02	-1.07	-1	-0.07
	6405	91	ax (40MHz)	1.41	-0.08	-8.71	-11.10	3.94	-6.81	-2.88	-1	-1.88
	5985	7	ax (80MHz)	-2.71	-3.60	-6.14	-8.42	0.07	-4.20	-4.13	-1	-3.13
	6145	39	ax (80MHz)	-2.83	-4.13	-6.17	-7.98	-0.24	-4.02	-4.26	-1	-3.26
	6385	87	ax (80MHz)	-3.77	-2.34	-7.45	-9.90	0.20	-5.58	-5.38	-1	-4.38
	6025	15	ax (160MHz)	-6.85	-6.99	-6.14	-8.42	-3.72	-7.13	-10.86	-1	-9.86
	6185	47	ax (160MHz)	-7.50	-6.93	-5.99	-8.27	-4.01	-6.98	-10.99	-1	-9.99
	6345	79	ax (160MHz)	-7.25	-5.84	-7.45	-9.90	-3.29	-8.50	-11.79	-1	-10.79
Band 6	6435	97	ax (20MHz)	-0.45	0.59	-8.71	-11.10	3.22	-6.81	-3.59	-1	-2.59
	6475	105	ax (20MHz)	0.89	1.93	-9.73	-11.80	4.56	-7.69	-3.13	-1	-2.13
	6515	113	ax (20MHz)	0.42	1.51	-9.73	-11.80	4.13	-7.69	-3.57	-1	-2.57
	6445	99	ax (40MHz)	-0.26	0.88	-8.71	-11.10	3.55	-6.81	-3.26	-1	-2.26
	6485	107	ax (40MHz)	-0.29	0.60	-9.73	-11.80	3.39	-7.69	-4.31	-1	-3.31
	6525	115	ax (40MHz)	-0.63	0.30	-9.73	-11.80	3.07	-7.69	-4.62	-1	-3.62
	6465	103	ax (80MHz)	-3.57	-2.74	-8.71	-11.10	0.06	-6.81	-6.75	-1	-5.75
	6505	111	ax (160MHz)	-7.30	-6.39	-9.73	-11.80	-3.62	-10.64	-14.27	-1	-13.27
	6535	117	ax (20MHz)	0.12	1.33	-9.73	-11.80	3.89	-7.69	-3.81	-1	-2.81
	6695	149	ax (20MHz)	0.88	0.86	-9.74	-12.75	3.99	-8.10	-4.11	-1	-3.11
Band 7	6875	185	ax (20MHz)	0.61	1.05	-9.92	-11.70	3.96	-7.75	-3.80	-1	-2.80
	6565	123	ax (40MHz)	-0.22	0.12	-9.73	-11.80	3.16	-7.69	-4.53	-1	-3.53
	6685	155	ax (40MHz)	0.41	-0.06	-9.74	-12.75	3.39	-8.10	-4.72	-1	-3.72
	6845	179	ax (40MHz)	-0.81	0.12	-9.96	-12.50	2.89	-8.13	-5.24	-1	-4.24
	6545	119	ax (80MHz)	-3.66	-3.04	-9.73	-11.80	-0.14	-7.69	-7.84	-1	-6.84
	6705	151	ax (80MHz)	-3.25	-3.15	-9.74	-12.75	-0.01	-8.10	-8.11	-1	-7.11
	6865	183	ax (80MHz)	-3.05	-2.12	-9.92	-11.70	0.64	-7.75	-7.12	-1	-6.12
	6665	143	ax (160MHz)	-6.67	-6.57	-9.74	-12.75	-3.42	-10.99	-14.41	-1	-13.41
	6825	175	ax (160MHz)	-7.27	-7.33	-9.96	-12.50	-4.10	-11.05	-15.15	-1	-14.15
	6895	189	ax (20MHz)	0.90	1.63	-9.92	-11.70	4.41	-7.75	-3.35	-1	-2.35
Band 8	6995	209	ax (20MHz)	0.80	0.48	-9.82	-11.80	3.76	-7.74	-3.98	-1	-2.98
	7115	233	ax (20MHz)	-0.39	-1.41	-10.10	-13.20	2.26	-8.50	-6.25	-1	-5.25
	6885	187	ax (40MHz)	0.09	0.45	-9.92	-11.70	3.48	-7.75	-4.27	-1	-3.27
	6965	211	ax (40MHz)	-0.23	-0.39	-9.92	-12.75	2.90	-8.21	-5.31	-1	-4.31
	7085	227	ax (40MHz)	0.39	-0.68	-10.26	-12.29	3.10	-8.21	-5.11	-1	-4.11
	6945	199	ax (80MHz)	-3.22	-2.78	-9.92	-11.70	0.20	-7.75	-7.55	-1	-6.55
	7025	215	ax (80MHz)	-2.58	-2.58	-9.82	-11.80	0.62	-7.74	-7.13	-1	-6.13
	6985	207	ax (160MHz)	-6.65	-5.61	-9.82	-11.80	-2.90	-10.70	-13.60	-1	-12.60

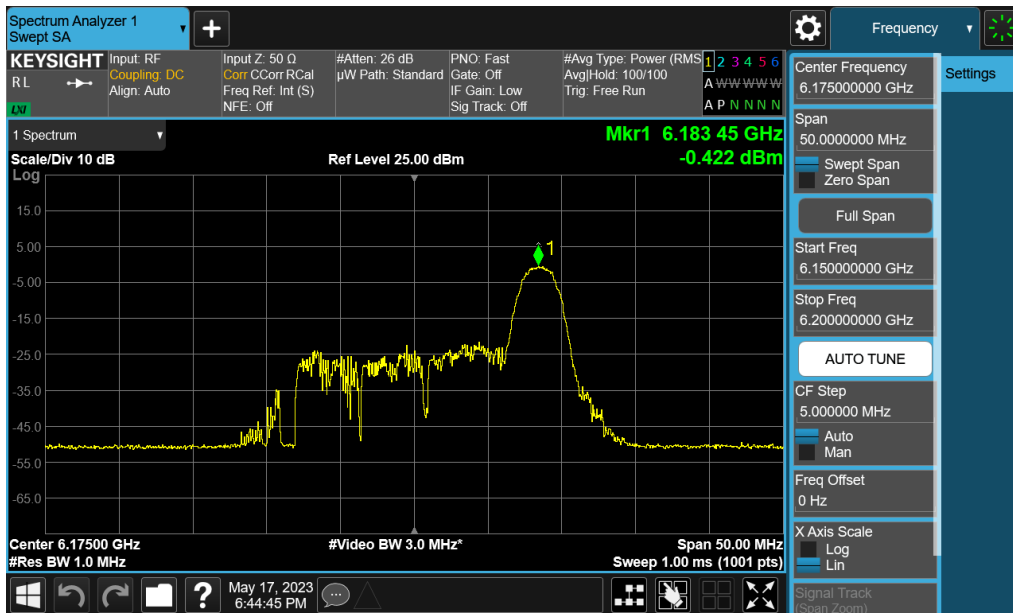
**Table 7-10. MIMO e.i.r.p. Conducted Power Spectral Density Measurements (Full Tones)**

<b>FCC ID:</b> A3LSMX910 <b>IC:</b> 649E-SMX910	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2303200036-09.A3L	<b>Test Dates:</b> 04/03/2023 - 05/18/2023	<b>EUT Type:</b> Portable Tablet	Page 111 of 324

## 7.4.1 MIMO Antenna-1 Power Spectral Density Measurements – (UNII Band 5 – Partial)

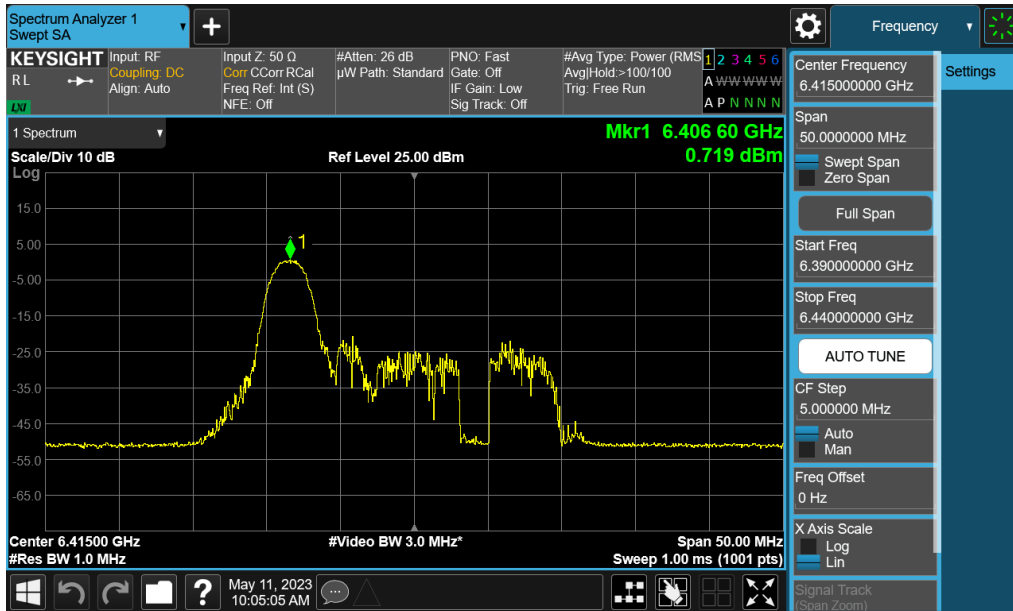


Plot 7-161. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) UNII Band 5) – Ch. 2

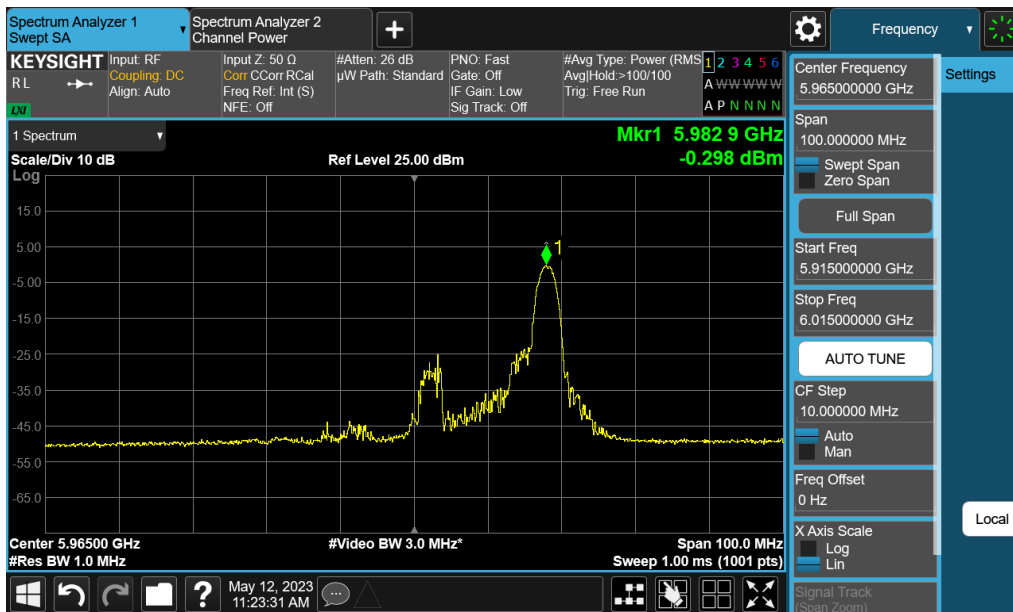


Plot 7-162. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 45)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 112 of 324

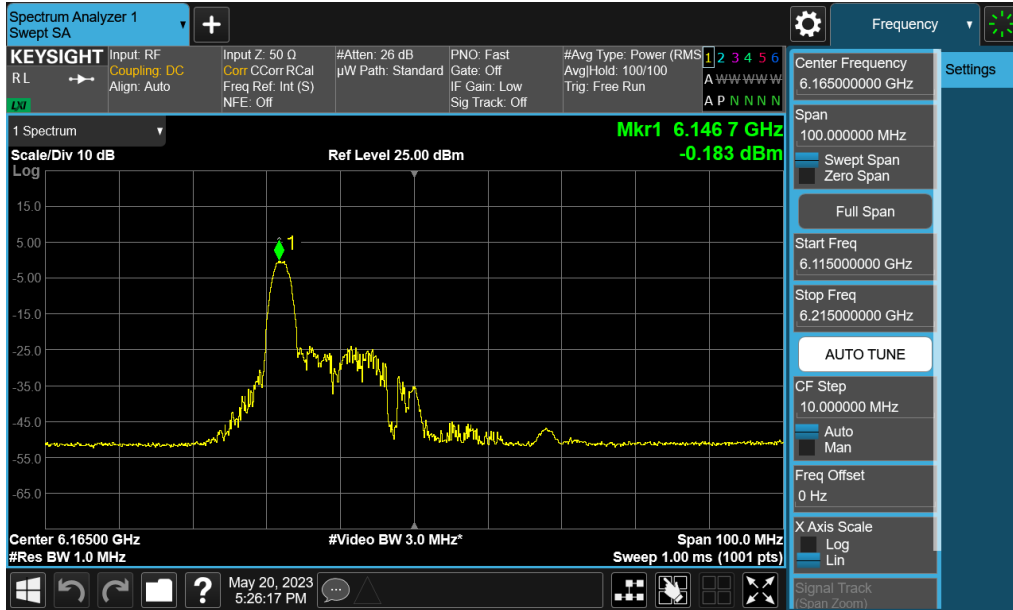


Plot 7-163. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) UNII Band 5) – Ch. 93)

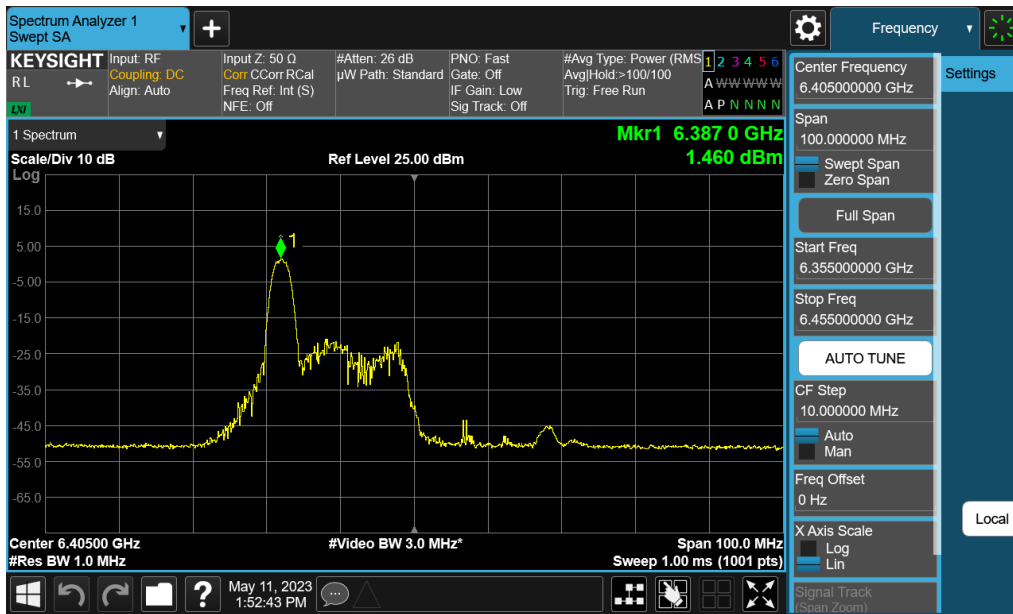


Plot 7-164. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 3)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 113 of 324

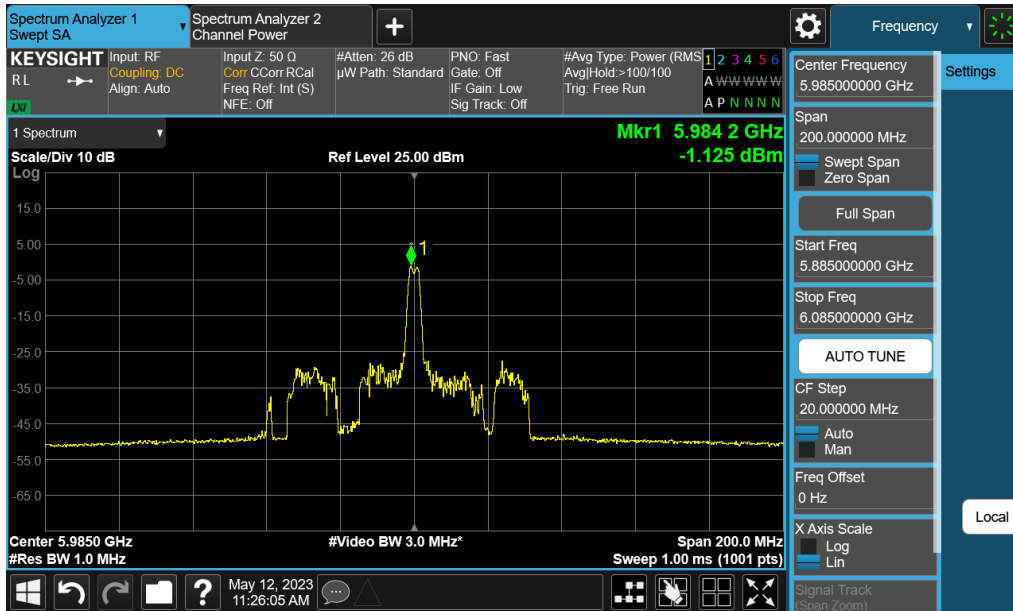


Plot 7-165. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 43)

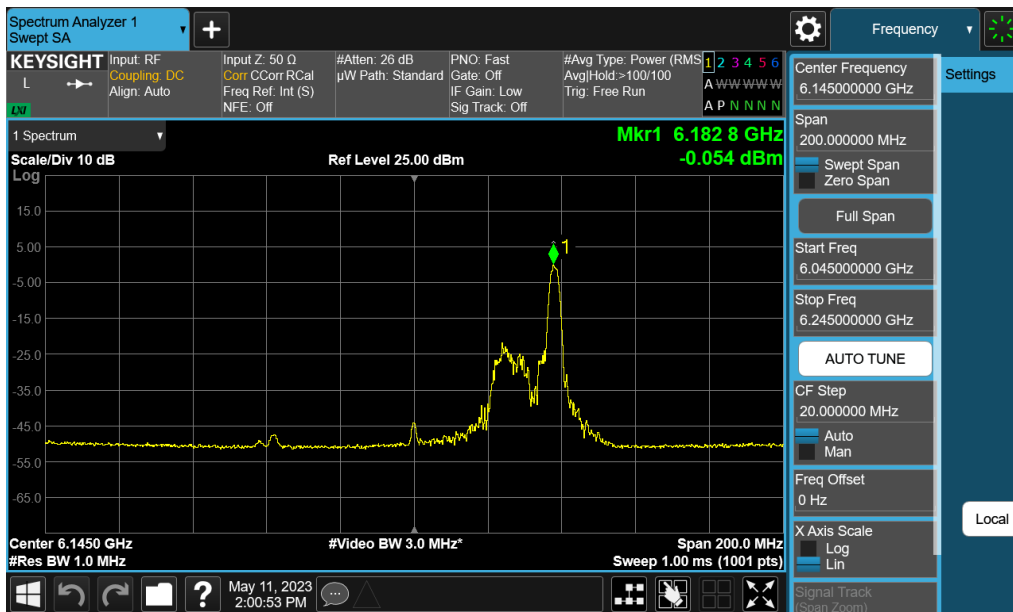


Plot 7-166. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 91)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 114 of 324

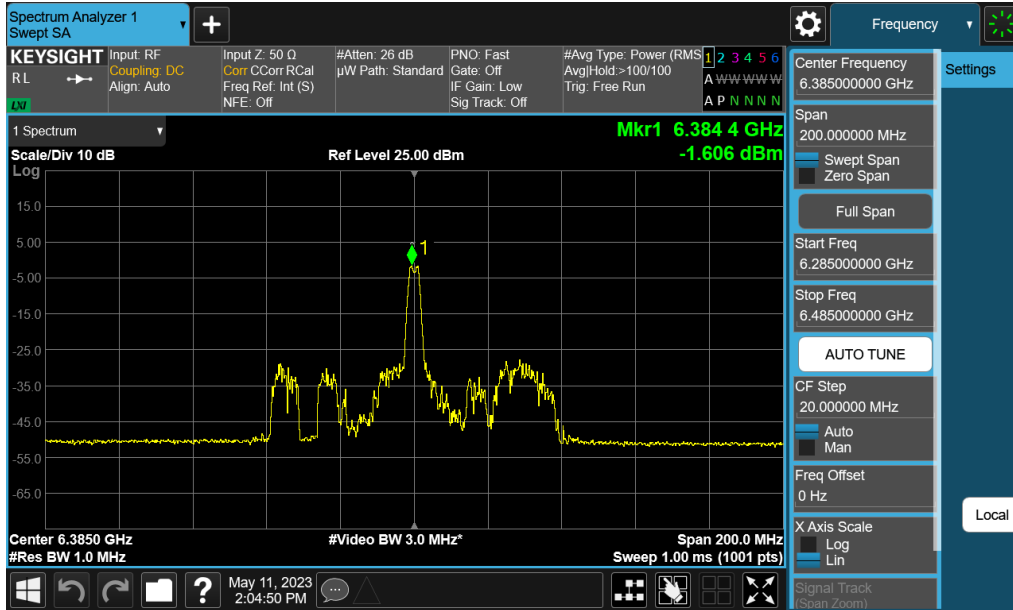


Plot 7-167. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 7)

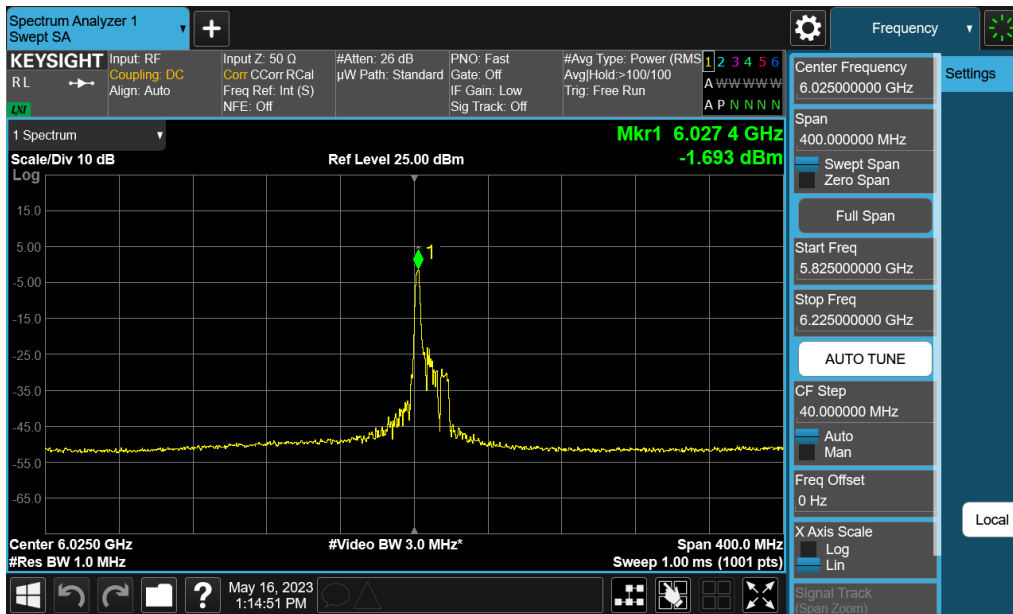


Plot 7-168. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 39)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 115 of 324



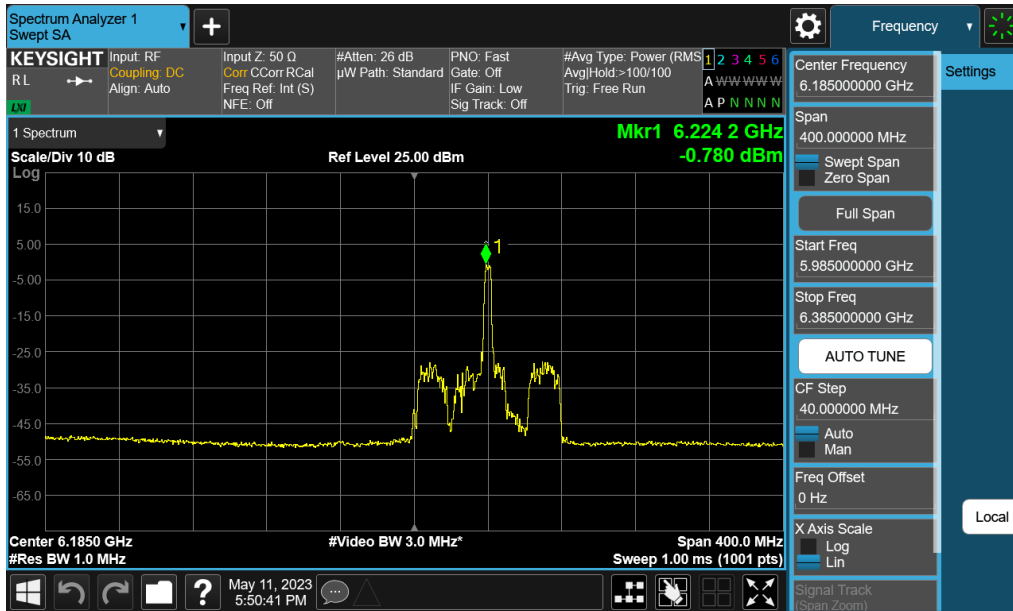
Plot 7-169. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 87)



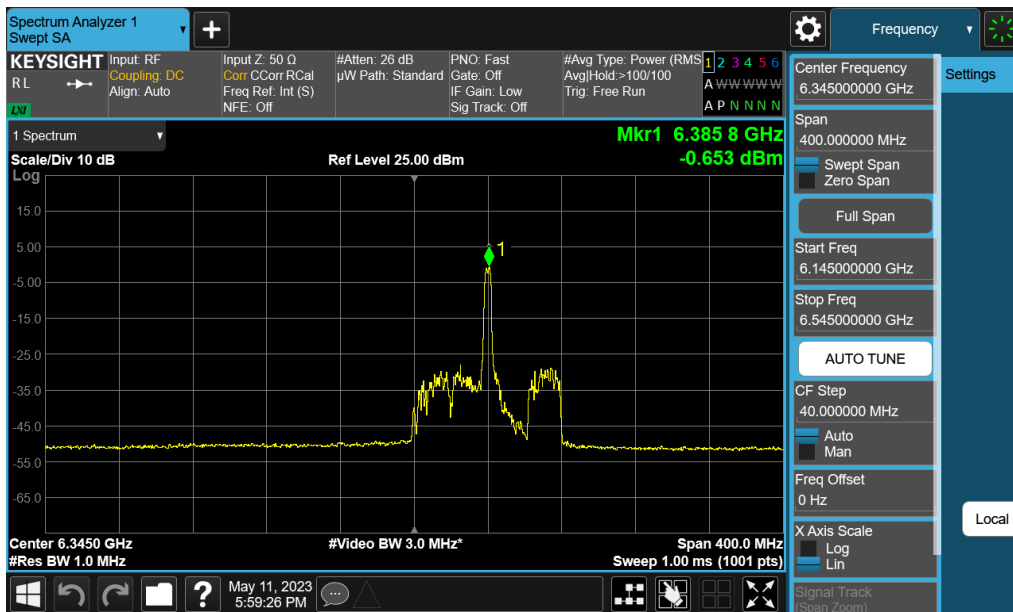
Plot 7-170. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 15)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 116 of 324





Plot 7-171. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 47)



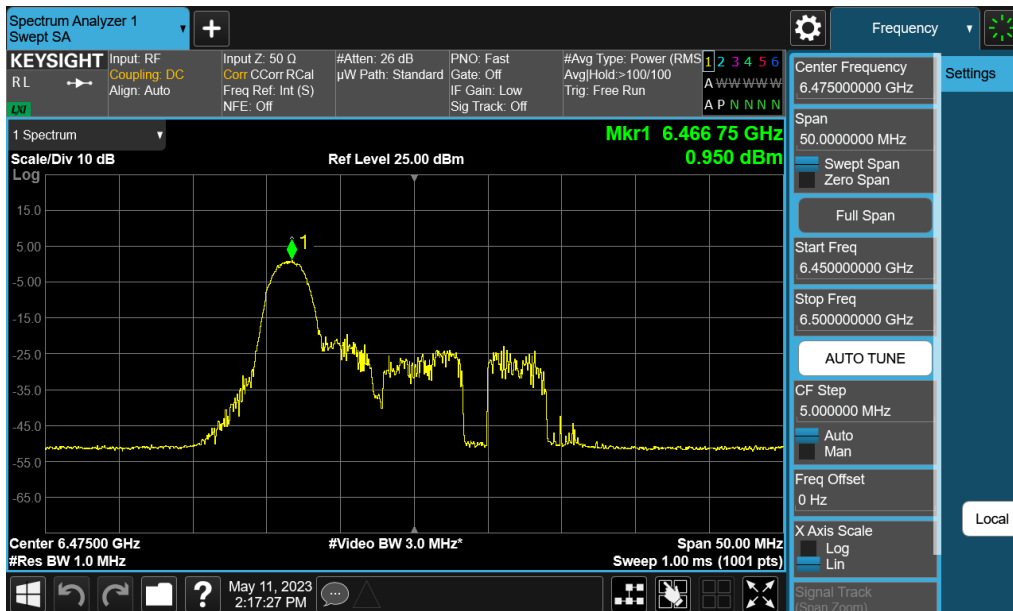
Plot 7-172. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 5) – Ch. 79)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 117 of 324

## 7.4.2 MIMO Antenna-1 Power Spectral Density Measurements – (UNII Band 6 – Partial)

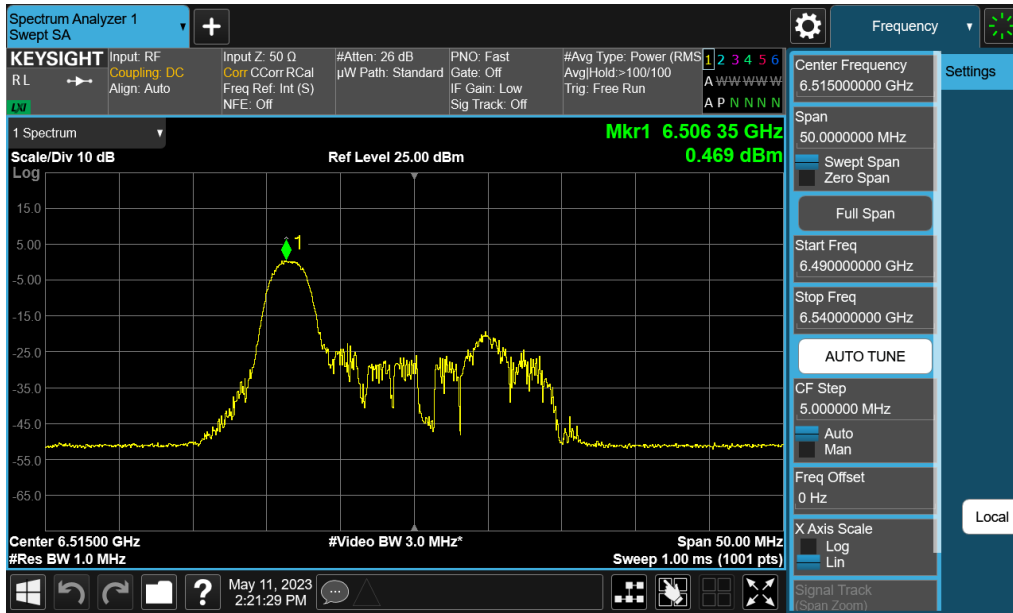


Plot 7-173. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 97)

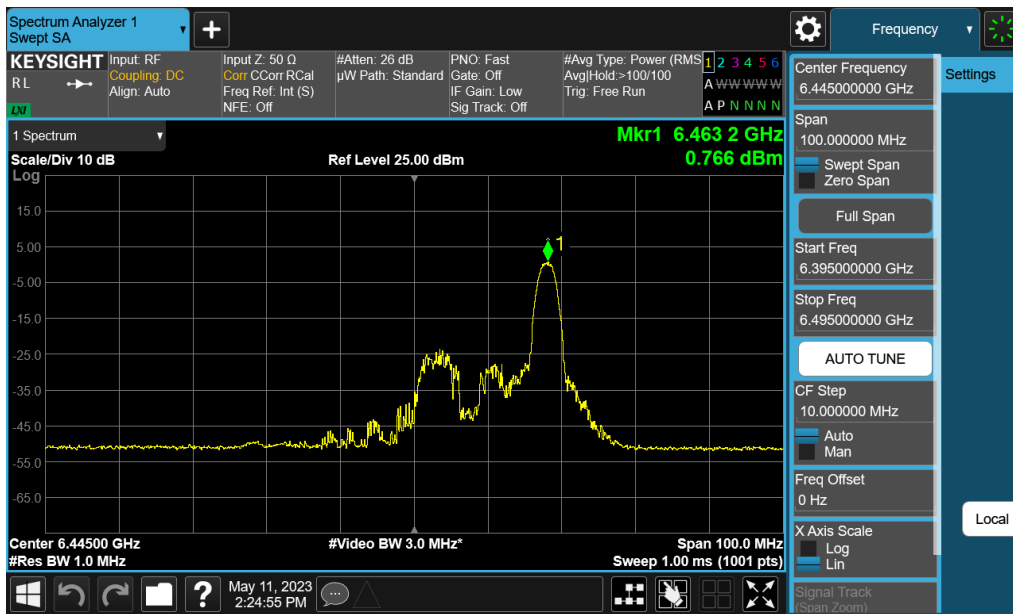


Plot 7-174. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 105)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
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Plot 7-175. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 113)

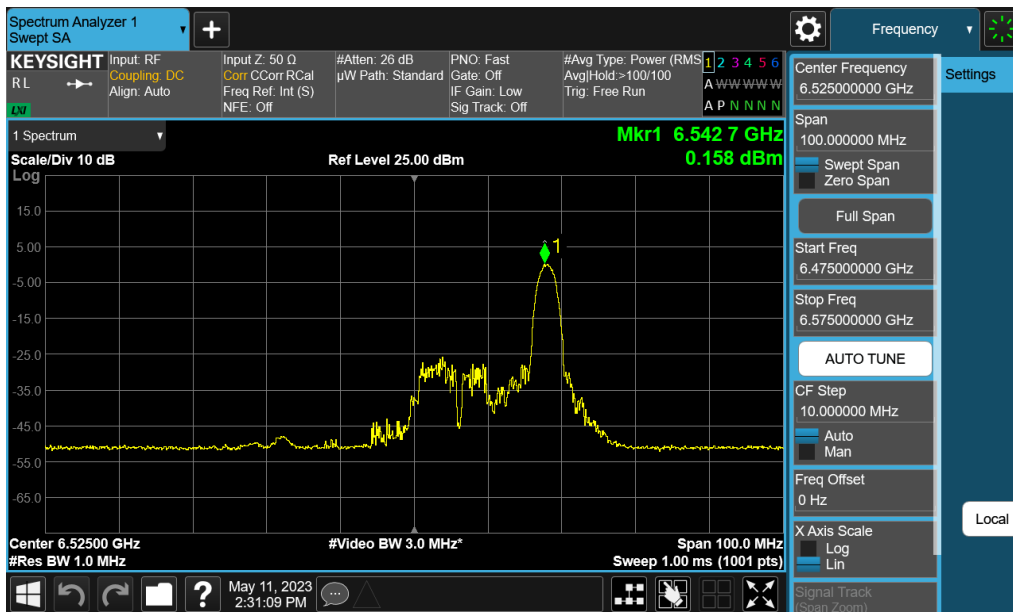


Plot 7-176. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 99)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
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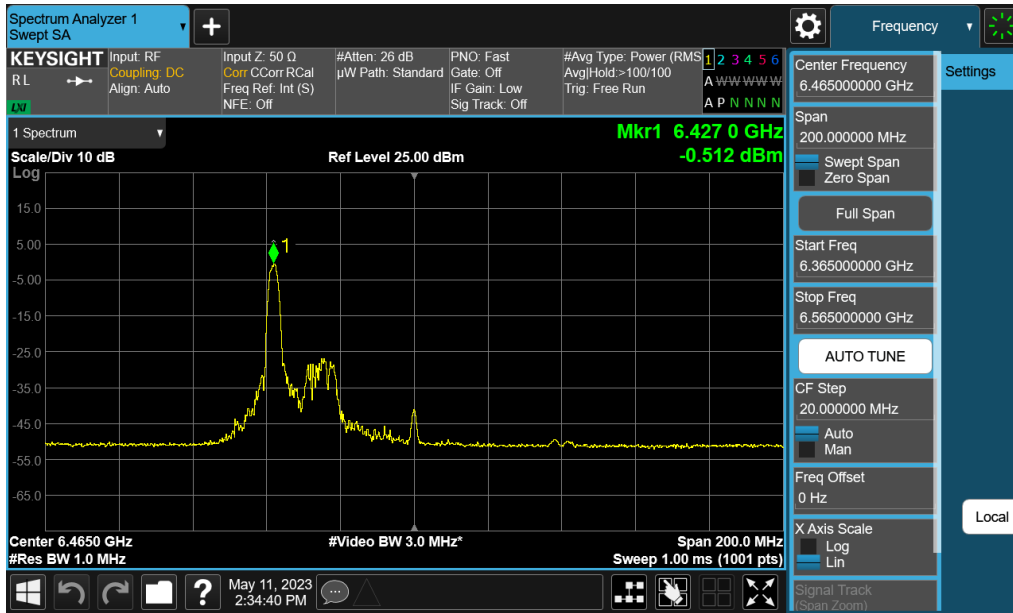


Plot 7-177. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 107)

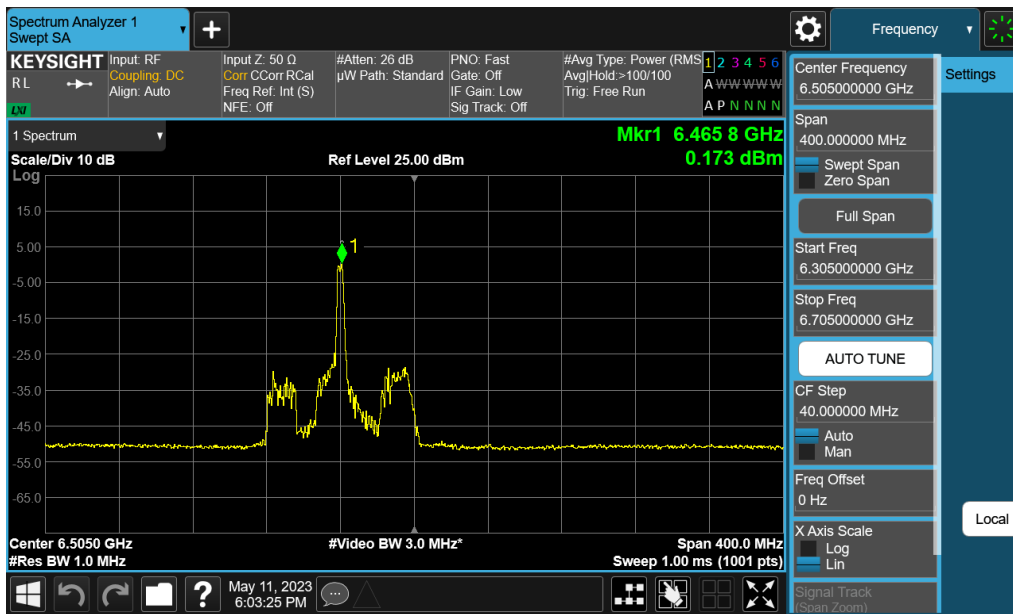


Plot 7-178. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 115)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 120 of 324



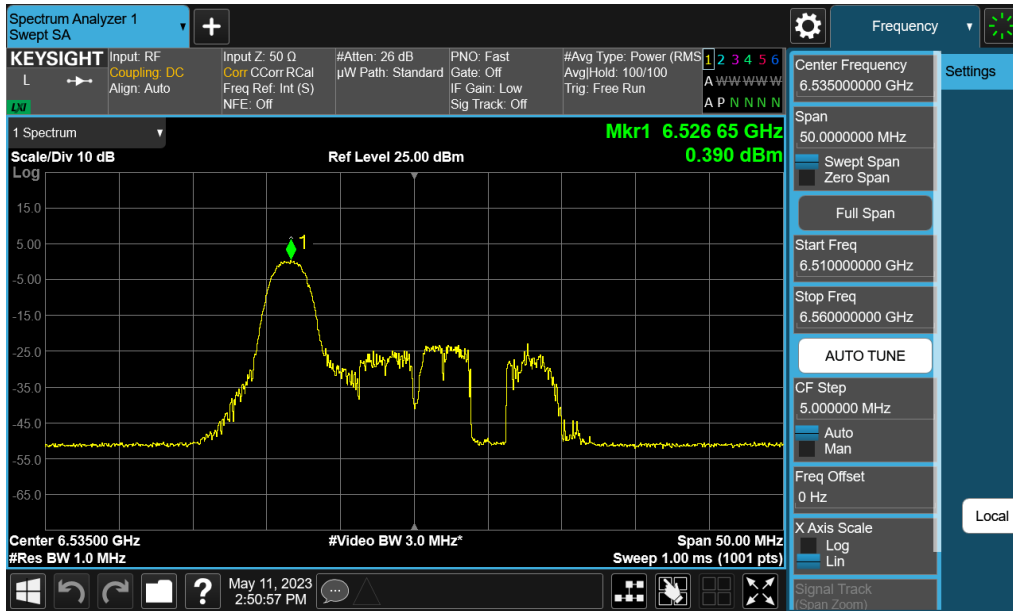
Plot 7-179. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 103)



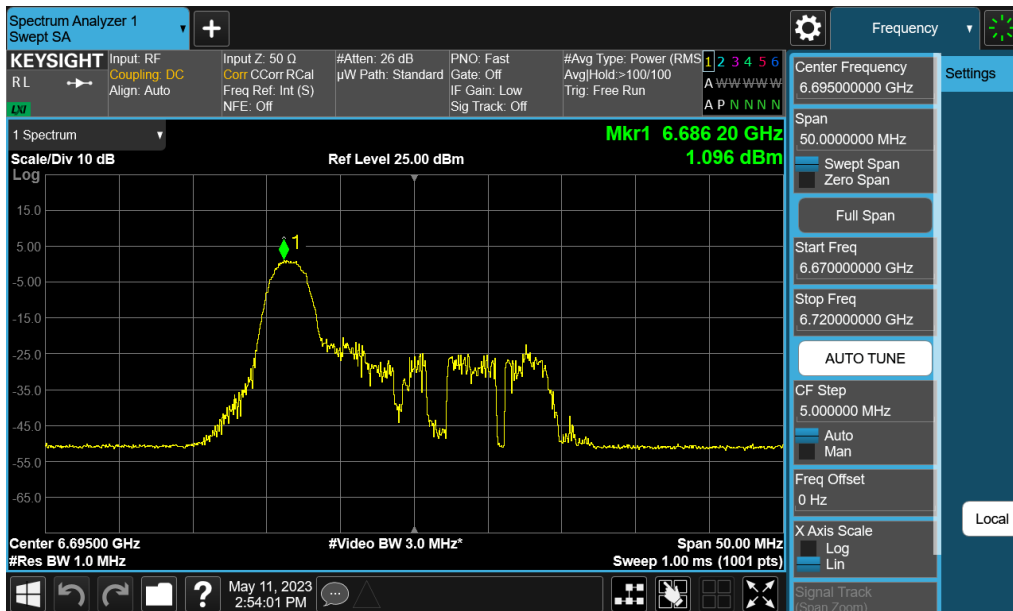
Plot 7-180. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 111)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 121 of 324

### 7.4.3 MIMO Antenna-1 Power Spectral Density Measurements – (UNII Band 7 – Partial)

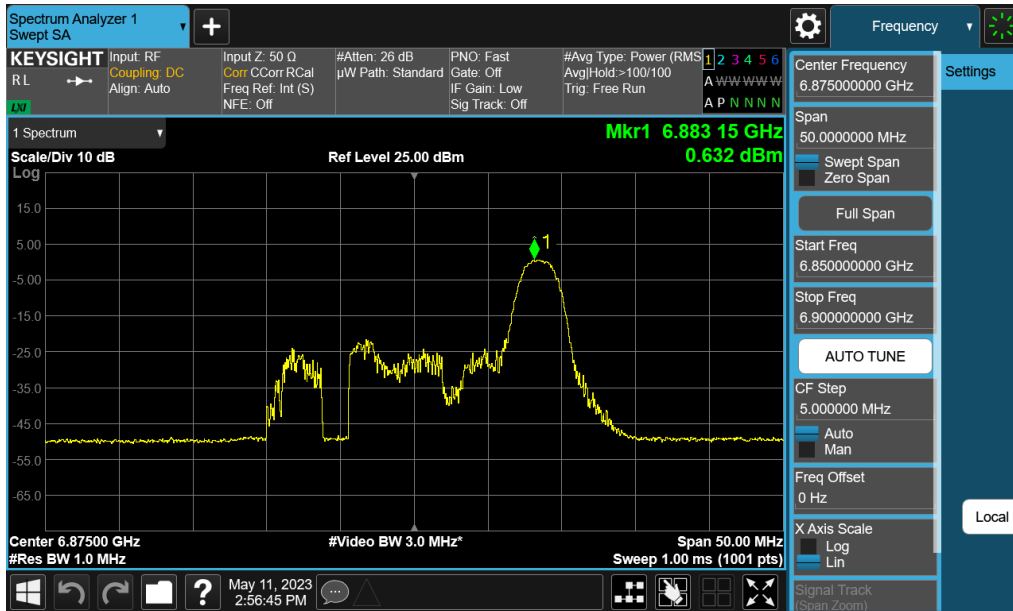


Plot 7-181. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 117)

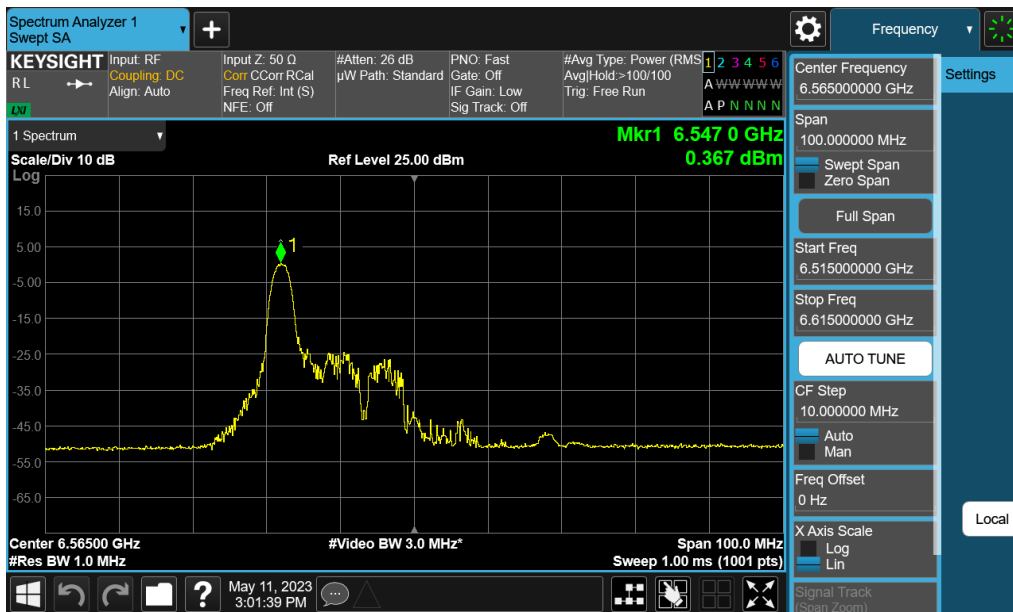


Plot 7-182. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 149)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 122 of 324

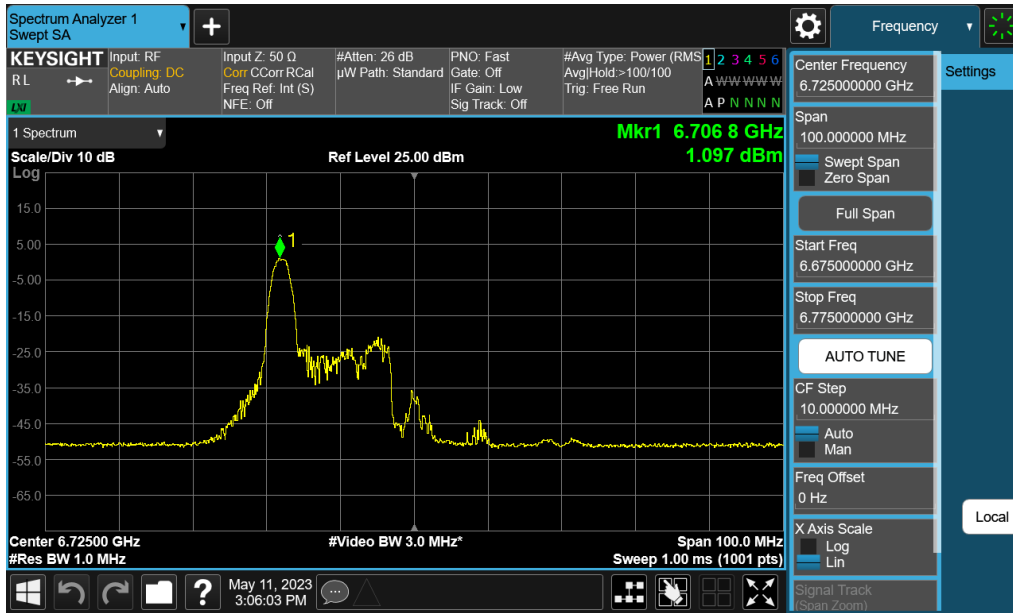


Plot 7-183. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 185)

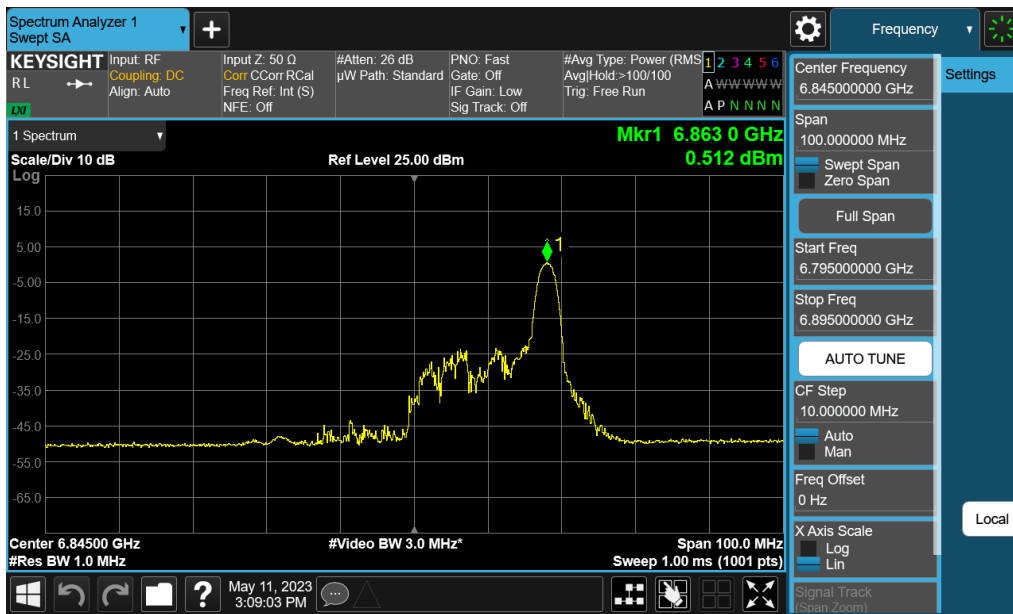


Plot 7-184. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 123)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
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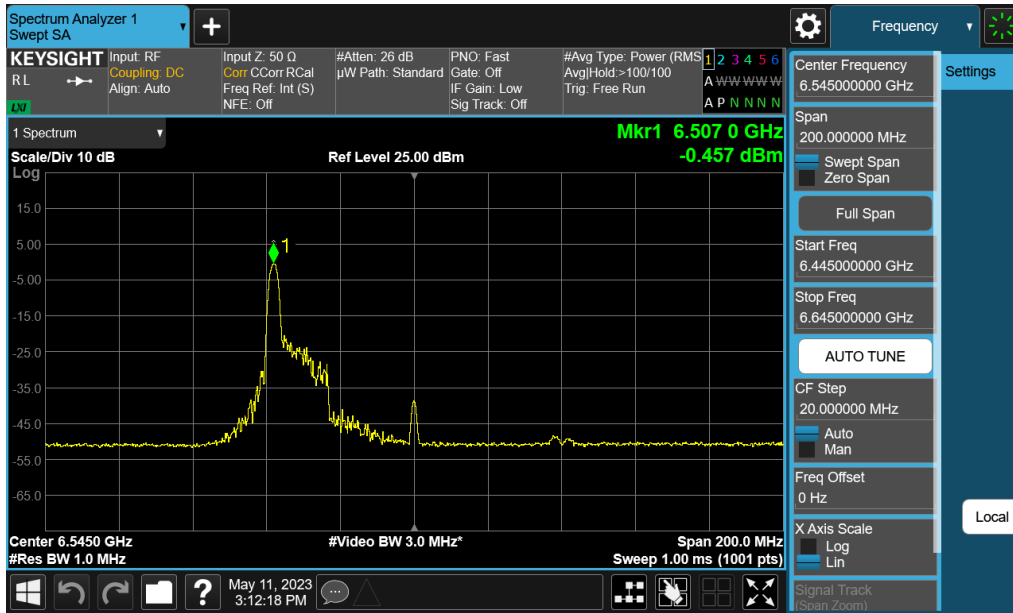
Plot 7-185. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 155)



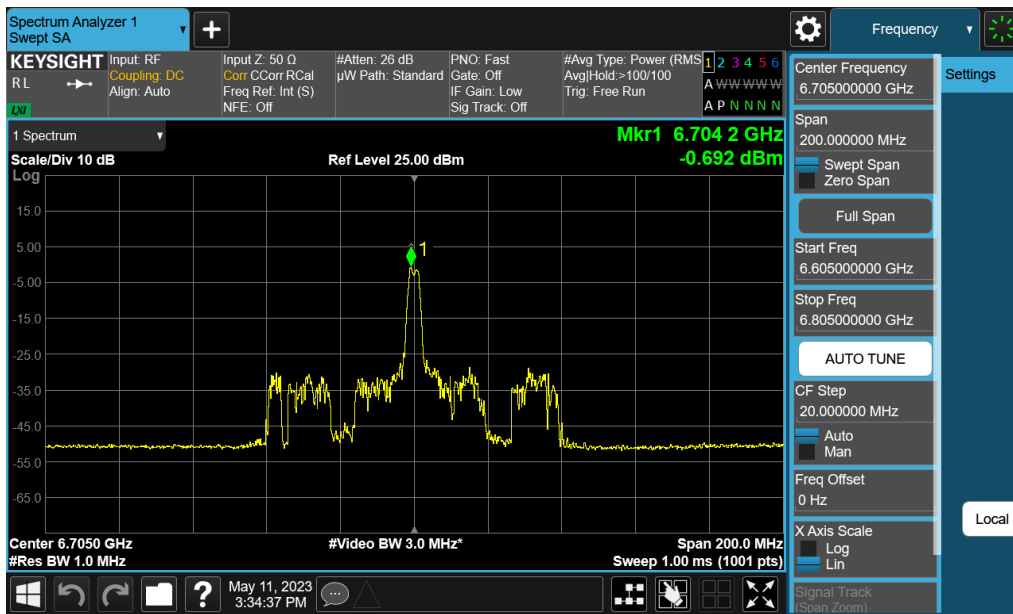
Plot 7-186. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 179)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 124 of 324



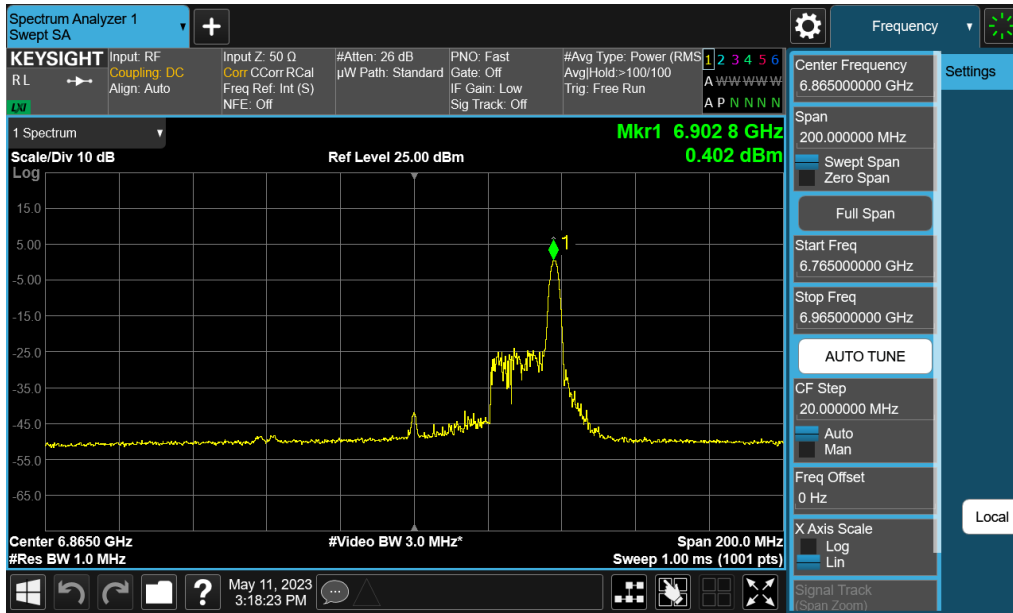


Plot 7-187. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 119)

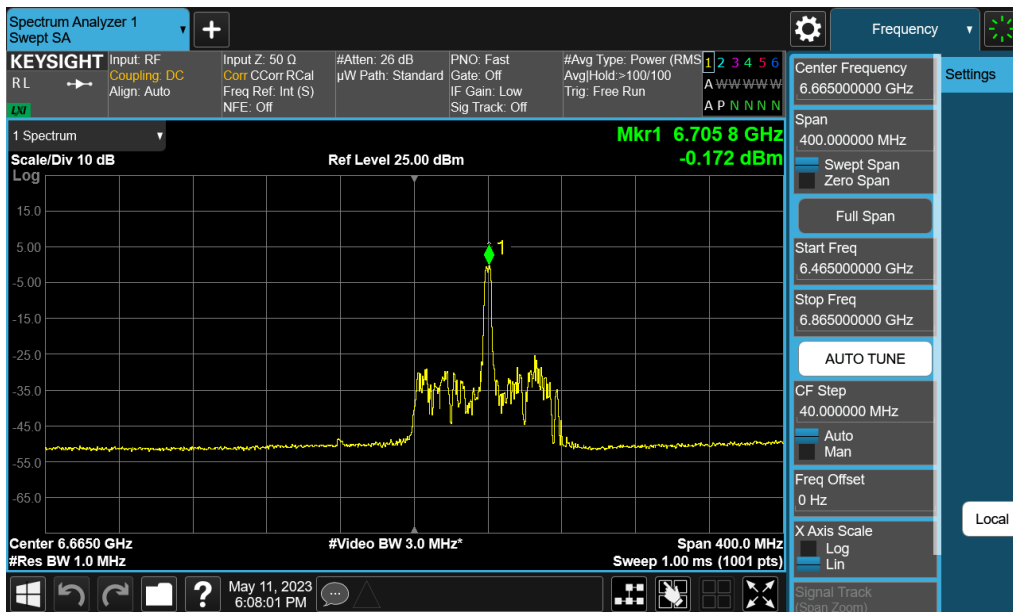


Plot 7-188. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 151)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 125 of 324

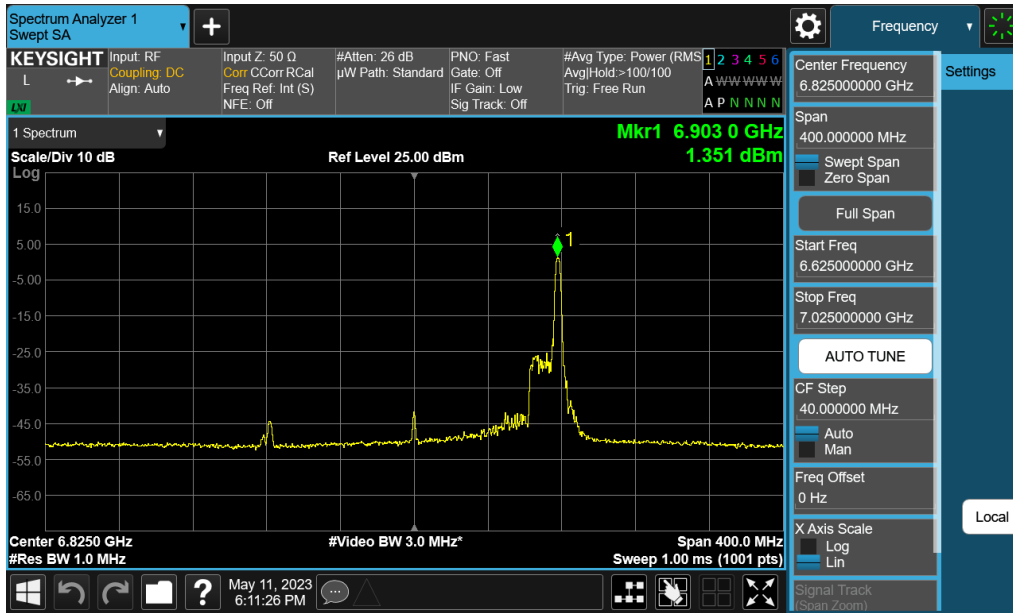


Plot 7-189. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 183)



Plot 7-190. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 143)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 126 of 324



Plot 7-191. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 175)

FCC ID: A3LSMX910 IC: 649E-SMX910	<b>MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2303200036-09.A3L	Test Dates: 04/03/2023 - 05/18/2023	EUT Type: Portable Tablet	Page 127 of 324