

		6GHz (40MHz) 802.11ax Conducted Power [dBm]								
dwidth)	Freq [MHz]	Channel	ANT1	ANT2	МІМО	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dBm]	
<b>≥</b>	5965	3	14.94	14.31	17.65	-4.20	13.45	24.0	-10.55	
þ	6085	27	14.67	13.47	17.12	-4.02	13.10	24.0	-10.90	
	6165	43	14.46	14.07	17.28	-4.02	13.26	24.0	-10.74	
<b>3</b> a	6285	67	13.52	14.99	17.33	-5.26	12.07	24.0	-11.93	
B	6405	91	13.91	14.99	17.49	-6.81	10.68	24.0	-13.32	
<u> </u>	6445	99	13.71	14.98	17.40	-6.81	10.59	24.0	-13.41	
Ξ	6485	107	13.52	14.74	17.18	-7.69	9.49	24.0	-14.51	
$\geq$	6525	115	13.59	14.52	17.09	-7.69	9.40	24.0	-14.60	
(40M	6565	123	14.51	14.97	17.76	-7.69	10.07	24.0	-13.93	
7)	6685	147	14.82	14.78	17.81	-8.10	9.71	24.0	-14.29	
Z	6725	155	14.72	14.51	17.63	-8.10	9.53	24.0	-14.47	
H	6845	179	14.23	14.93	17.60	-8.13	9.47	24.0	-14.53	
Ð	6885	187	14.36	14.95	17.68	-7.75	9.93	24.0	-14.07	
9	7005	211	14.56	14.20	17.39	-8.21	9.18	24.0	-14.82	
	7085	227	14.99	14.07	17.56	-8.21	9.35	24.0	-14.65	

Table 7-4. MIMO 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power

			6GH	z (80MHz) 802	2.11ax Condu	cted Power [d	IBm]		
	Freq [MHz]	Channel	ANT1	ANT2	МІМО	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dBm]
<b>Y</b> (	5985	7	14.90	14.22	17.58	-4.20	13.38	24.0	-10.62
MH dth)	6065	23	14.66	13.52	17.14	-4.02	13.12	24.0	-10.88
ig S	6145	39	14.65	13.81	17.26	-4.02	13.24	24.0	-10.76
<b>8 8 8 8 8 8 8 8 8 8</b>	6305	71	13.25	14.85	17.13	-5.26	11.87	24.0	-12.13
	6385	87	13.81	14.87	17.38	-5.58	11.80	24.0	-12.20
<b>1</b> 2	6465	103	13.56	14.86	17.27	-6.81	10.46	24.0	-13.54
光電	6545	119	14.16	14.92	17.57	-7.69	9.88	24.0	-14.12
99 B	6705	151	14.97	14.73	17.86	-8.10	9.76	24.0	-14.24
•	6785	167	14.76	14.73	17.76	-8.10	9.66	24.0	-14.34
	6865	183	14.35	14.99	17.69	-7.75	9.94	24.0	-14.06
	6945	199	14.32	14.74	17.55	-7.75	9.80	24.0	-14.20
	7025	215	14.91	13.98	17.48	-7.74	9.74	24.0	-14.26

Table 7-5. MIMO 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power

		6GHz (160MHz) 802.11ax Conducted Power [dBm]											
MHz th)	Freq [MHz]	Channel	ANT1	ANT2	MIMO	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dBm]				
60 /id	6025	15	13.60	13.54	16.58	-4.20	12.38	24.0	-11.62				
(160 <mark>)</mark> dwid	6185	47	13.24	13.83	16.56	-4.05	12.51	24.0	-11.49				
N N	6345	79	12.53	13.72	16.18	-5.58	10.60	24.0	-13.40				
I G	6505	111	12.54	13.62	16.12	-7.69	8.43	24.0	-15.57				
G G	6665	143	13.28	13.38	16.34	-8.10	8.24	24.0	-15.76				
ý	6825	175	13.42	13.71	16.58	-8.13	8.45	24.0	-15.55				
	6985	207	13.75	13.80	16.79	-7.74	9.05	24.0	-14.95				

Table 7-6. MIMO 160MHz BW 802.11ax (UNII) Maximum Conducted Output Power

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#### Sample MIMO Calculation:

At 5935MHz in 802.11a (20MHz BW) mode, the average conducted output power was measured to be 4.62 dBm for Antenna-1 and 3.92 dBm for Antenna-2.

$$(4.22 \text{ dBm} + 3.35 \text{ dBm}) = (2.642 \text{ mW} + 2.163 \text{ mW}) = 4.805 \text{ mW} = 6.82 \text{ dBm}$$

#### **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.

Directional gain = 
$$10 \log[(10^{G1/20} + 10^{G2/20} + ... + 10^{GN/20})^2 / N_{ANT}] dBi$$

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

At 5935MHz in 802.11a (20MHz BW) mode, the average MIMO conducted power was calculated to be 6.82 dBm with directional gain of -4.34dBi.

$$6.82 \text{ dBm} + -4.34 \text{ dBi} = 2.48 \text{ dBm}$$

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT			
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### 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 for 802.11a/ax.

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 > 2 x (span/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**

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 -1dBm/MHz e.i.r.p. for both cases.

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C			11



# **MIMO Power Spectral Density Measurements**

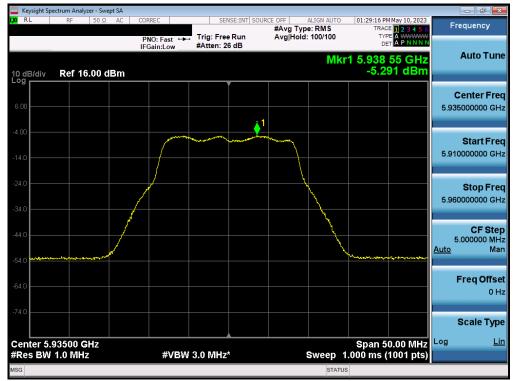
	Frequency [MHz]	Channel	802.11 MODE	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Antenna-1 Gain [dBi]	Antenna-2 Gain [dBi]	Summed MIMO Power Density [dBm/MHz]	DCCF [dB]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
	5935	2	a	-5.29	-7.52	-6.89	-7.84	-3.25	0.14	-4.34	-7.46	-1	-6.46
	6175	45	a	0.31	-0.64	-5.99	-8.27	2.87	0.14	-4.05	-1.03	-1	-0.03
	6415	93	a	1.21	1.22	-8.71	-11.10	4.22	0.14	-6.81	-2.45	-1	-1.45
	5935	2	ax (20MHz)	-7.14	-9.22	-6.89	-7.84	-5.05	0.00	-4.34	-9.39	-1	-8.39
	6175	45	ax (20MHz)	-0.77	-1.22	-5.99	-8.27	2.02	0.00	-4.05	-2.02	-1	-1.02
	6415	93	ax (20MHz)	0.27	1.15	-8.71	-11.10	3.74	0.00	-6.81	-3.07	-1	-2.07
77	5965	3	ax (40MHz)	0.18	-2.05	-6.14	-8.42	2.22	0.00	-4.20	-1.98	-1	-0.98
Band	6165	43	ax (40MHz)	-0.05	-1.91	-6.17	-7.98	2.13	0.00	-4.02	-1.88	-1	-0.88
<u> </u>	6405	91	ax (40MHz)	-0.56	0.48	-8.71	-11.10	3.01	0.00	-6.81	-3.81	-1	-2.81
	5985	7	ax (80MHz)	-2.09	-4.82	-6.14	-8.42	-0.23	0.00	-4.20	-4.43	-1	-3.43
	6145	39	ax (80MHz)	-2.83	-5.20	-6.17	-7.98	-0.84	0.00	-4.02	-4.86	-1	-3.86
	6385	87	ax (80MHz)	-3.85	-2.75	-7.45	-9.90	-0.25	0.00	-5.58	-5.83	-1	-4.83
	6025	15	ax (160MHz)	-6.81	-8.48	-6.14	-8.42	-4.56	0.00	-4.20	-8.75	-1	-7.75
	6185	47	ax (160MHz)	-7.29	-7.70	-5.99	-8.27	-4.48	0.00	-4.05	-8.52	-1	-7.52
	6345	79	ax (160MHz)	-8.47	-7.10	-7.45	-9.90	-4.72	0.00	-5.58	-10.30	-1	-9.30
	6435	97	a	1.20	1.21	-8.71	-11.10	4.21	0.14	-6.81	-2.46	-1	-1.46
	6475	105	a	1.04	1.30	-9.73	-11.80	4.18	0.14	-7.69	-3.37	-1	-2.37
	6515	113	a	0.87	1.28	-9.73	-11.80	4.09	0.14	-7.69	-3.46	-1	-2.46
	6435	97	ax (20MHz)	0.48	1.05	-8.71	-11.10	3.79	0.00	-6.81	-3.03	-1	-2.03
9 9	6475	105	ax (20MHz)	0.20	0.72	-9.73	-11.80	3.48	0.00	-7.69	-4.22	-1	-3.22
Band	6515	113	ax (20MHz)	0.52	0.28	-9.73	-11.80	3.41	0.00	-7.69	-4.28	-1	-3.28
	6445	99	ax (40MHz)	-0.66	0.20	-8.71	-11.10	2.80	0.00	-6.81	-4.01	-1	-3.01
	6485	107	ax (40MHz)	-0.73	-0.15	-9.73	-11.80	2.58	0.00	-7.69	-5.12	-1	-4.12
	6525	115	ax (40MHz)	0.20	-0.18	-9.73	-11.80	3.03	0.00	-7.69	-4.67	-1	-3.67
	6465	103 111	ax (80MHz)	-3.67	-3.58 -7.60	-8.71 -9.73	-11.10 -11.80	-0.61	0.00	-6.81 -7.69	-7.42 -12.23	-1 -1	-6.42 -11.23
	6505 6535	117	ax (160MHz)	-7.78 2.25	0.83	-9.73	-11.80	-4.68 4.61	0.14	-7.69	-12.23	-1	-11.23
	6695	149	a a	2.79	-0.11	-9.73	-11.80	4.59	0.14	-7.69	-2.95	-1	-2.37
	6875	185	a	2.11	1.27	-9.74	-12.73	4.72	0.00	-7.75	-3.03	-1	-2.03
	6535	117	ax (20MHz)	1.07	0.56	-9.73	-11.70	3.83	0.00	-7.69	-3.86	-1	-2.86
	6695	149	ax (20MHz)	1.49	-0.56	-9.74	-12.75	3.60	0.00	-8.10	-4.51	-1	-3.51
	6875	185	ax (20MHz)	0.49	1.07	-9.92	-11.70	3.80	0.00	-7.75	-3.95	-1	-2.95
7	6565	123	ax (40MHz)	0.46	-0.49	-9.73	-11.80	3.02	0.00	-7.69	-4.67	-1	-3.67
Band 7	6725	155	ax (40MHz)	0.84	-1.55	-9.74	-12.75	2.82	0.00	-8.10	-5.29	-1	-4.29
- Φ	6845	179	ax (40MHz)	0.06	-0.61	-9.96	-12.50	2.75	0.00	-8.13	-5.38	-1	-4.38
	6545	119	ax (80MHz)	-2.70	-3.85	-9.73	-11.80	-0.23	0.00	-7.69	-7.92	-1	-6.92
	6705	151	ax (80MHz)	-2.13	-4.66	-9.74	-12.75	-0.20	0.00	-8.10	-8.30	-1	-7.30
	6865	183	ax (80MHz)	-3.29	-3.49	-9.92	-11.70	-0.38	0.00	-7.75	-8.13	-1	-7.13
	6665	143	ax (160MHz)	-6.95	-8.75	-9.74	-12.75	-4.74	0.00	-8.10	-12.85	-1	-11.85
	6825	175	ax (160MHz)	-7.34	-8.25	-9.96	-12.50	-4.76	0.00	-8.13	-12.89	-1	-11.89
	6895	189	a	1.65	1.11	-9.92	-11.70	4.40	0.14	-7.75	-3.21	-1	-2.21
	6995	209	а	1.56	1.18	-9.82	-11.80	4.38	0.14	-7.74	-3.22	-1	-2.22
	7115	233	a	-3.83	-4.34	-10.10	-13.20	-1.07	0.14	-8.50	-9.43	-1	-8.43
	6895	189	ax (20MHz)	-0.04	0.75	-9.92	-11.70	3.38	0.00	-7.75	-4.37	-1	-3.37
	6995	209	ax (20MHz)	-0.31	0.98	-9.82	-11.80	3.39	0.00	-7.74	-4.35	-1	-3.35
∞ 5	7115	233	ax (20MHz)	-5.04	-3.71	-10.10	-13.20	-1.32	0.00	-8.50	-9.82	-1	-8.82
Band	6885	187	ax (40MHz)	-0.55	-0.27	-9.92	-11.70	2.60	0.00	-7.75	-5.15	-1	-4.15
	7005	211	ax (40MHz)	-0.51	0.61	-9.92	-12.75	3.10	0.00	-8.21	-5.11	-1	-4.11
	7085	227	ax (40MHz)	0.11	1.19	-10.26	-12.29	3.69	0.00	-8.21	-4.52	-1	-3.52
	6945	199	ax (80MHz)	-3.74	-2.53	-9.92	-11.70	-0.08	0.00	-7.75	-7.84	-1	-6.84
	7025	215	ax (80MHz)	-3.23	-2.62	-9.82	-11.80	0.10	0.00	-7.74	-7.65	-1	-6.65
	6985	207	ax (160MHz)	-7.42	-6.11	-9.82	-11.80	-3.71	0.00	-7.74	-11.45	-1	-10.45

Table 7-7. MIMO e.i.r.p. Conducted Power Spectral Density Measurements

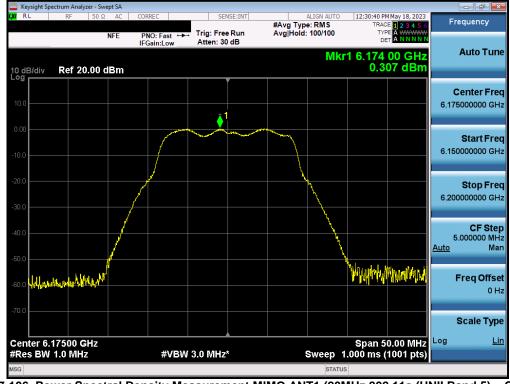
FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	est Dates: EUT Type:			
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### 7.4.1 MIMO Antenna-1 Power Spectral Density Measurement - (UNII Band 5)



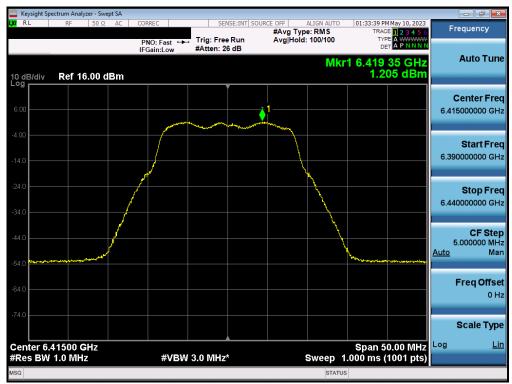
Plot 7-105. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 5) - Ch. 2)



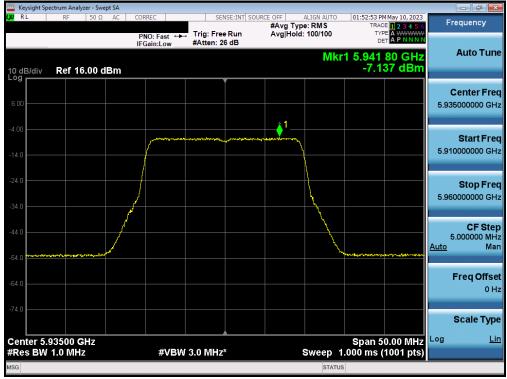
Plot 7-106. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 5) - Ch. 45)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:					
1M2303200036-08.A3L	04/03/2023 - 05/18/2023	4/03/2023 - 05/18/2023 Portable Tablet					
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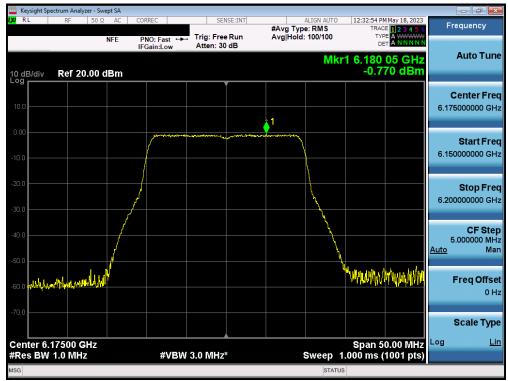
Plot 7-107. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 5) - Ch. 93)



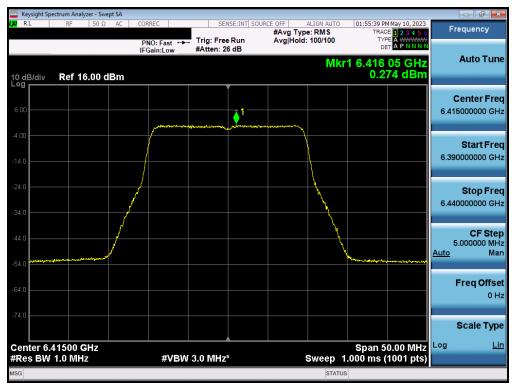
Plot 7-108. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 5) - Ch. 2)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT	Approved by: Technical Manager			
Test Report S/N:	Test Dates:	est Dates: EUT Type:				
1M2303200036-08.A3L	04/03/2023 - 05/18/2023	Portable Tablet	Page 78 of 229			
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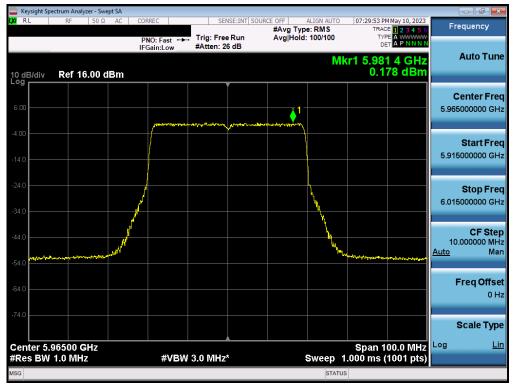
Plot 7-109. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 5) - Ch. 45)



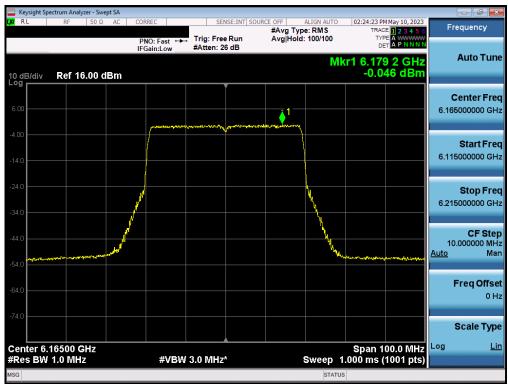
Plot 7-110. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 5) - Ch. 93)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Page 79 of 229			
1M2303200036-08.A3L	04/03/2023 - 05/18/2023	/03/2023 - 05/18/2023 Portable Tablet				
2002 ELEMENT						





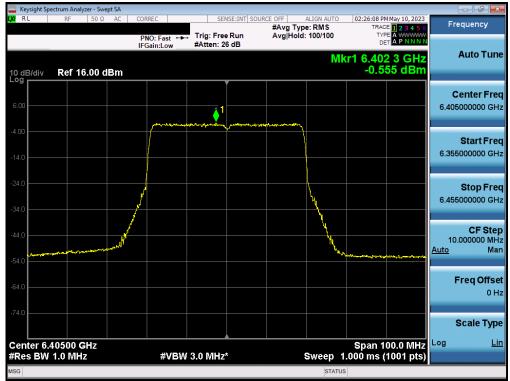
Plot 7-111. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 5) - Ch. 3)



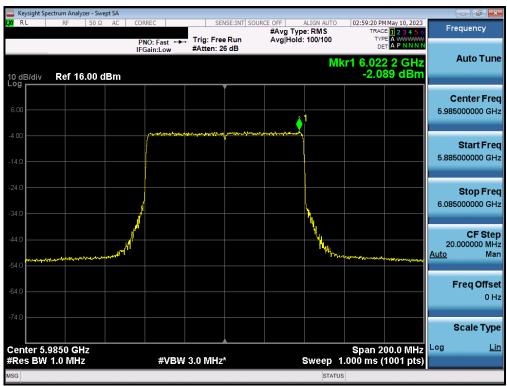
Plot 7-112. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 5) - Ch. 43)

FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dogo 90 of 220		
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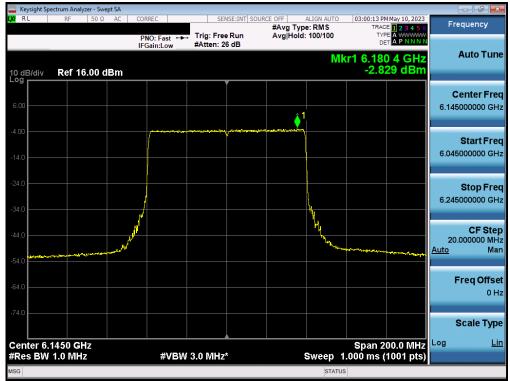
Plot 7-113. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 5) - Ch. 91)



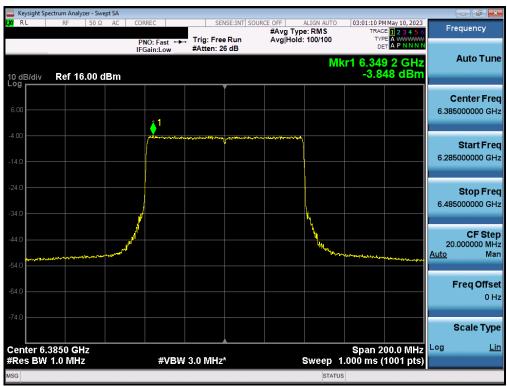
Plot 7-114. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 5) - Ch. 7)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 91 of 220
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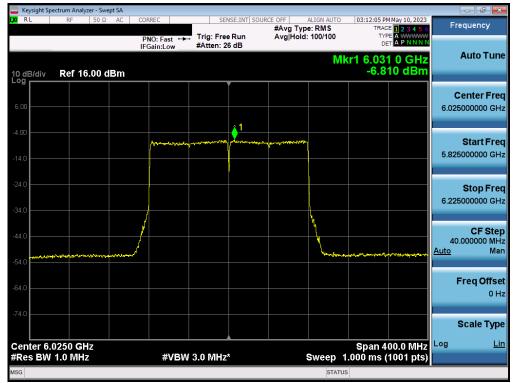
Plot 7-115. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 5) - Ch. 39)



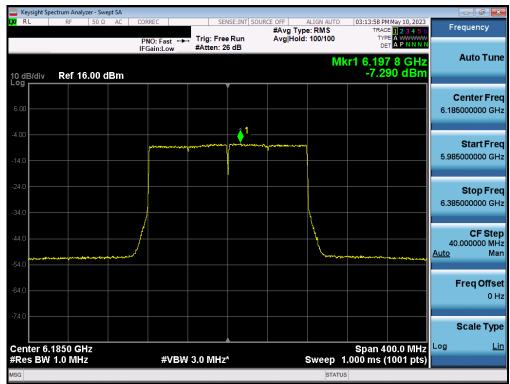
Plot 7-116. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 5) - Ch. 87)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 82 of 229
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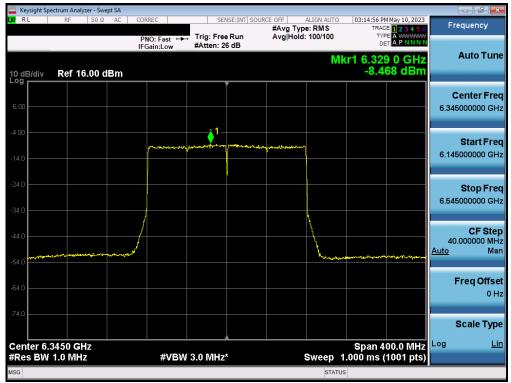
Plot 7-117. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 5) - Ch. 15)



Plot 7-118. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 5) - Ch. 47)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-119. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 5) - Ch. 79)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.4.2 MIMO Antenna-1 Power Spectral Density Measurement - (UNII Band 6)



Plot 7-120. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 6) - Ch. 97)



Plot 7-121. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 6) - Ch. 105)

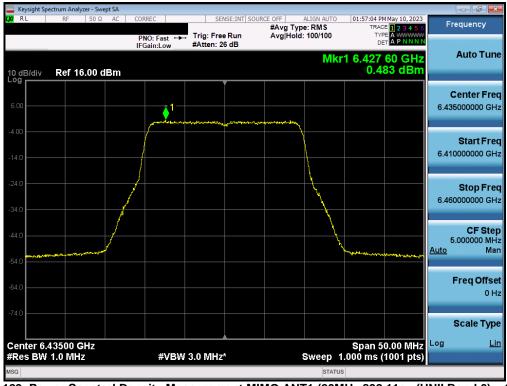
FCC ID: A3LSMX910 IC: 649E-SMX910		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dags 05 of 220
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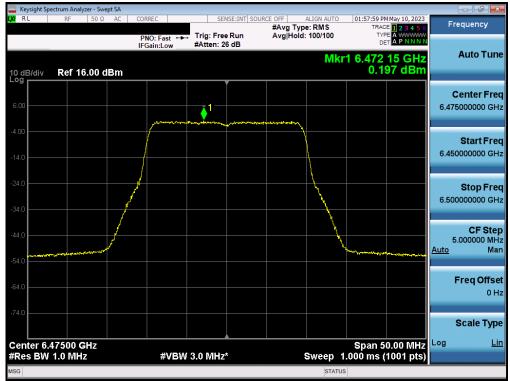
Plot 7-122. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 6) - Ch. 113)



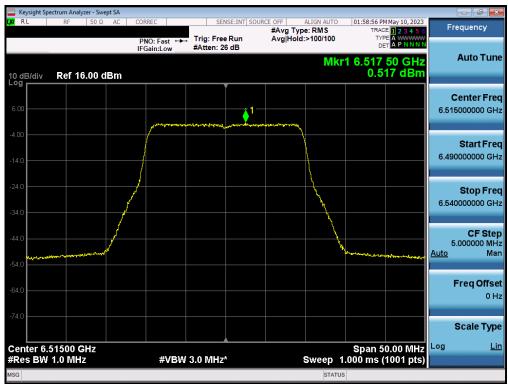
Plot 7-123. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 6) - Ch. 97)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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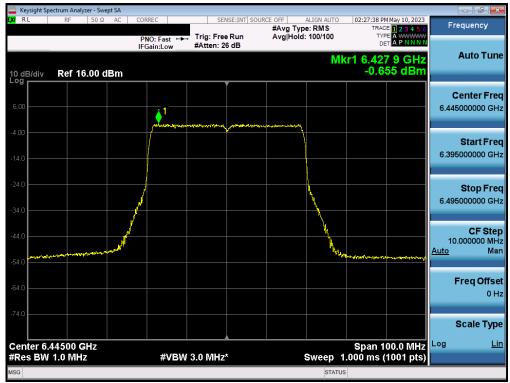
Plot 7-124. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 6) - Ch. 105)



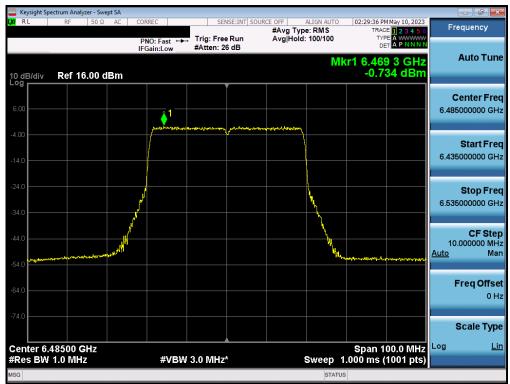
Plot 7-125. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 6) - Ch. 113)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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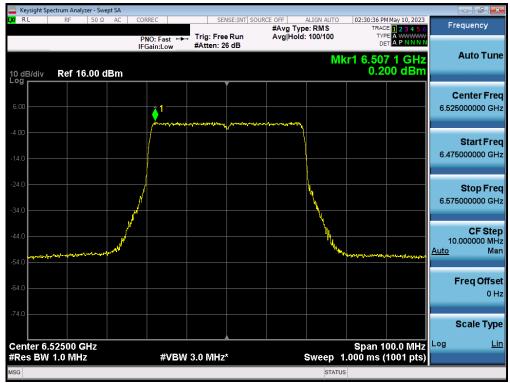
Plot 7-126. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 6) - Ch. 99)



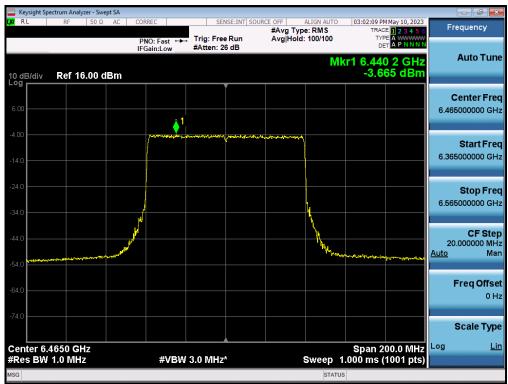
Plot 7-127. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 6) - Ch. 107)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 99 of 220	
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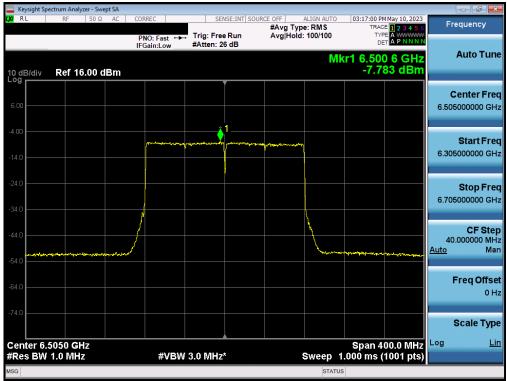
Plot 7-128. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 6) - Ch. 115)



Plot 7-129. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 6) - Ch. 103)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 90 of 220	
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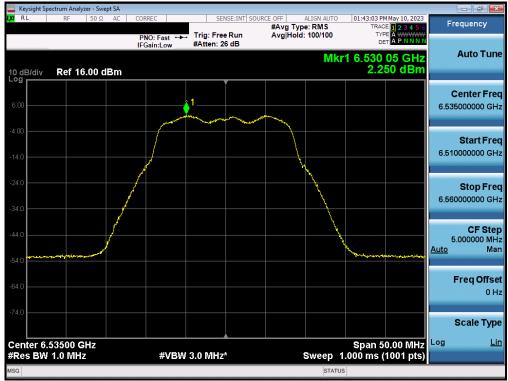


Plot 7-130. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 6) - Ch. 111)

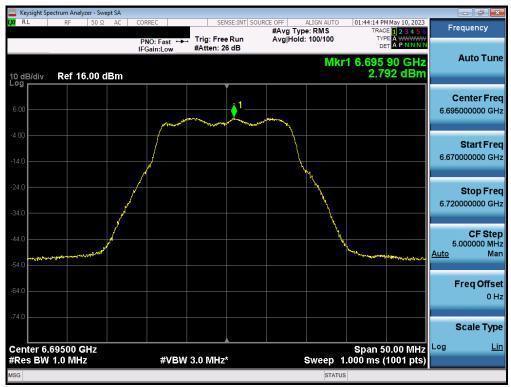
FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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# 7.4.3 MIMO Antenna-1 Power Spectral Density Measurement - (UNII Band 7)



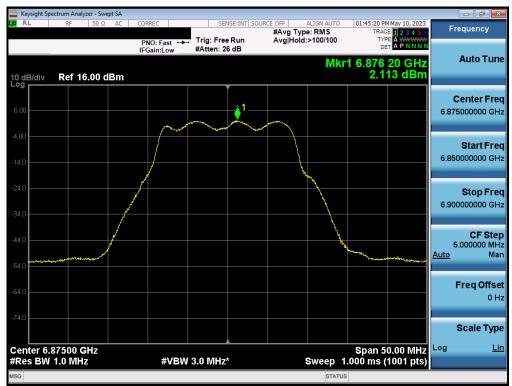
Plot 7-131. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 7) - Ch. 117)



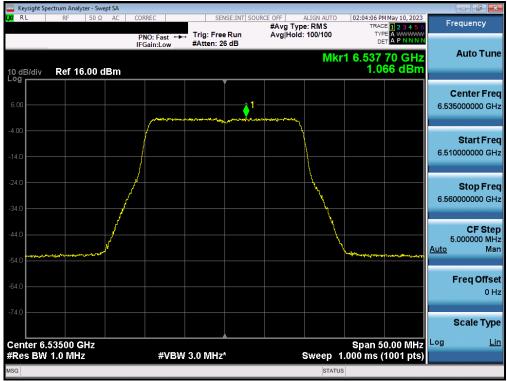
Plot 7-132. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 7) - Ch. 149)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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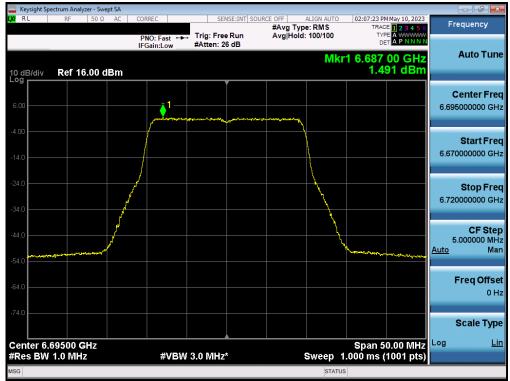
Plot 7-133. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 7) - Ch. 185)



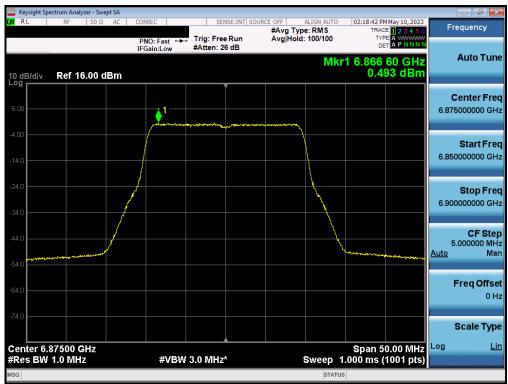
Plot 7-134. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 7) - Ch. 117)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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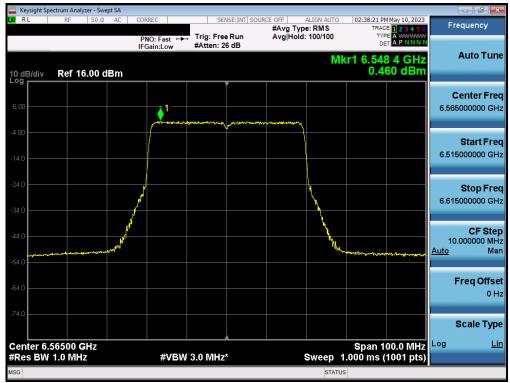
Plot 7-135. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 7) - Ch. 149)



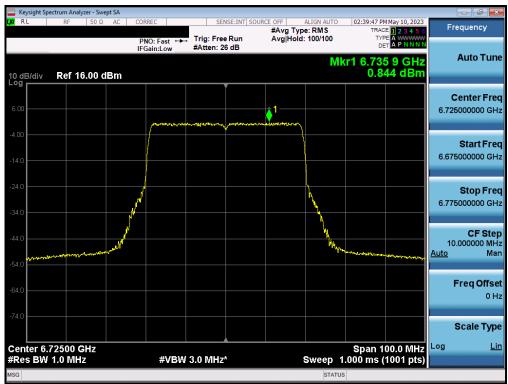
Plot 7-136. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 7) - Ch. 185)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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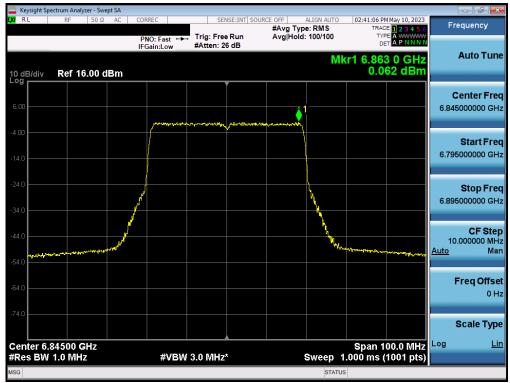
Plot 7-137. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 7) - Ch. 123)



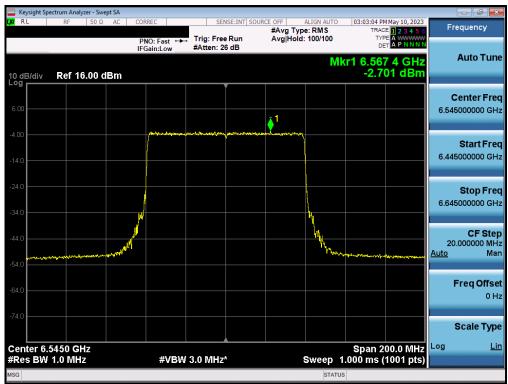
Plot 7-138. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 7) - Ch. 155)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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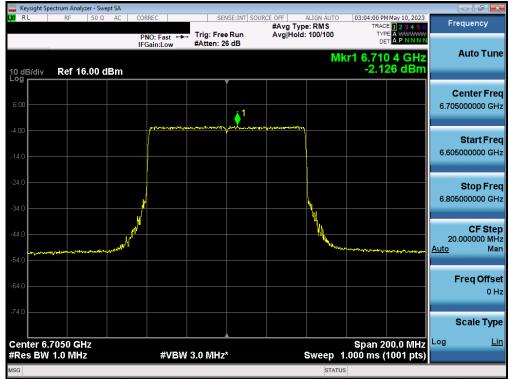
Plot 7-139. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 7) - Ch. 179)



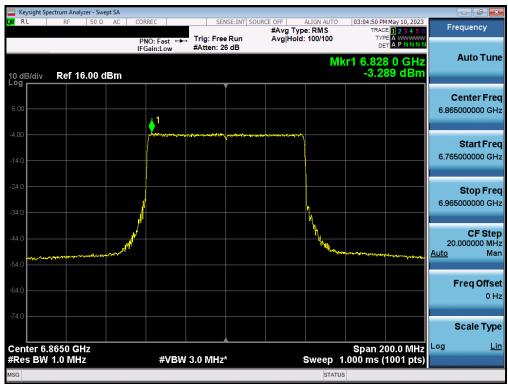
Plot 7-140. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 7) - Ch. 119)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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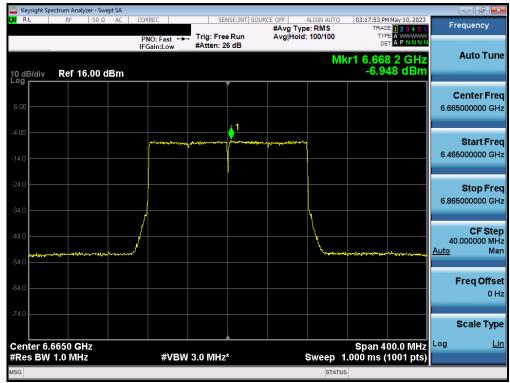
Plot 7-141. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 7) - Ch. 151)



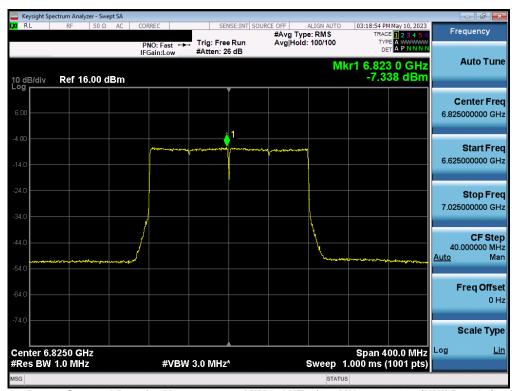
Plot 7-142. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 7) - Ch. 183)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-143. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 7) - Ch. 143)

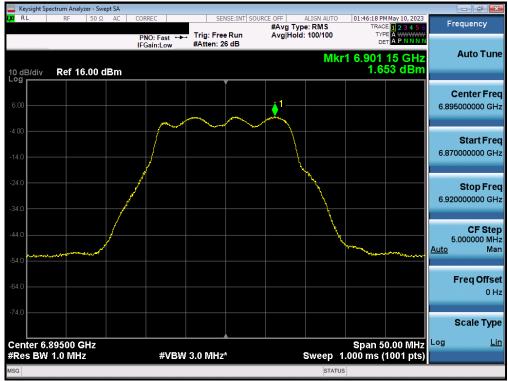


Plot 7-144. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 7) - Ch. 175)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.4.4 MIMO Antenna-1 Power Spectral Density Measurement - (UNII Band 8)



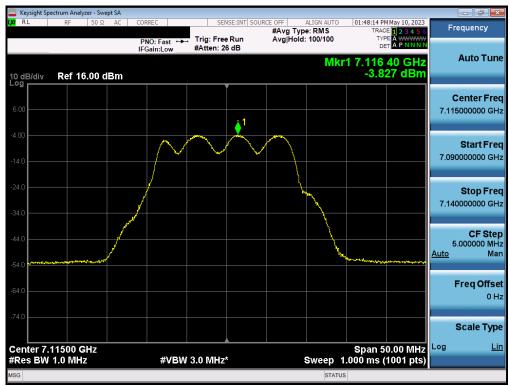
Plot 7-145. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 8) - Ch. 189)



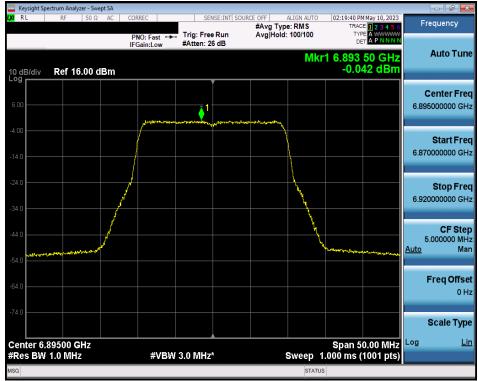
Plot 7-146. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 8) - Ch. 209)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-147. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11a (UNII Band 8) - Ch. 233)



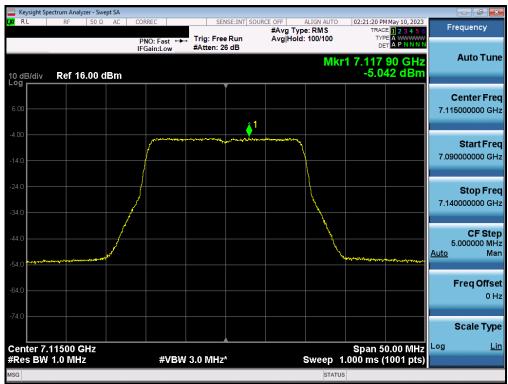
Plot 7-148. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 8) - Ch. 189)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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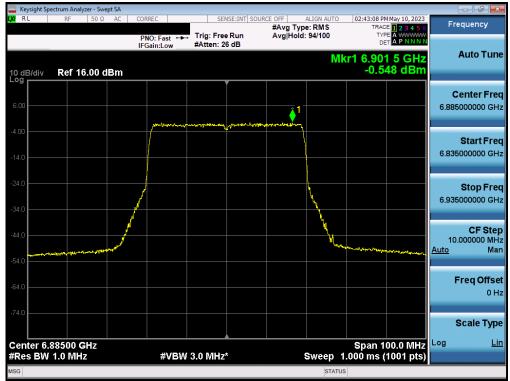
Plot 7-149. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 8) - Ch. 209)



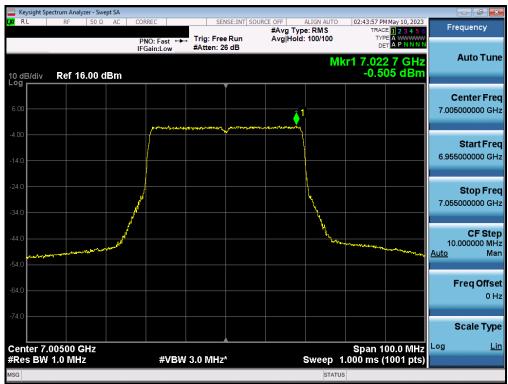
Plot 7-150. Power Spectral Density Measurement MIMO ANT1 (20MHz 802.11ax (UNII Band 8) - Ch. 233)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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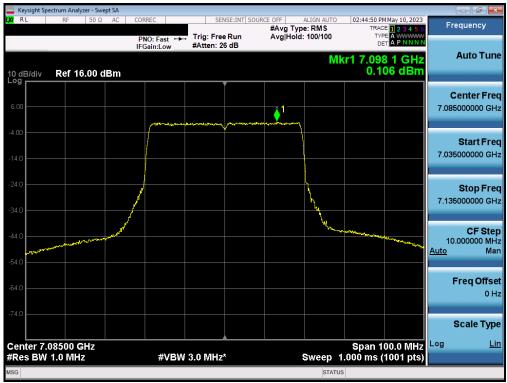
Plot 7-151. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 8) - Ch. 187)



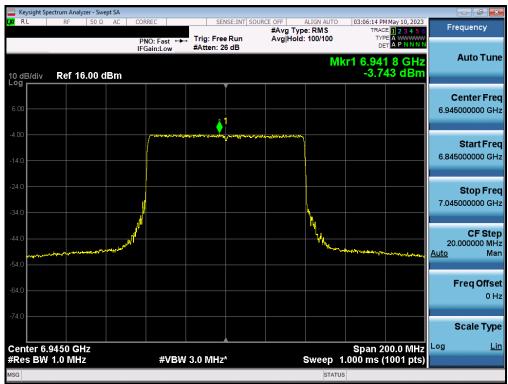
Plot 7-152. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 8) - Ch. 211)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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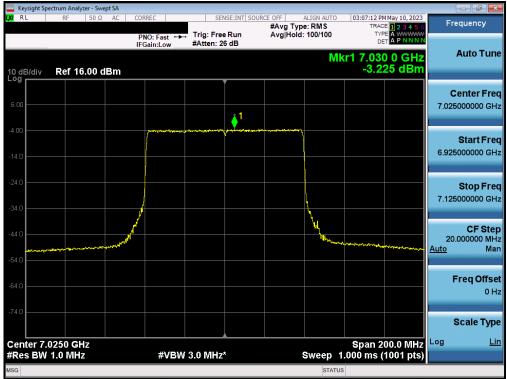
Plot 7-153. Power Spectral Density Measurement MIMO ANT1 (40MHz 802.11ax (UNII Band 8) - Ch. 227)



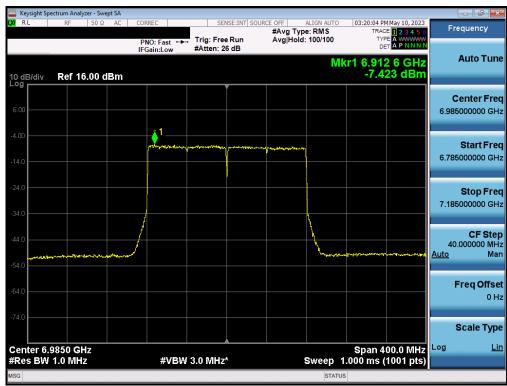
Plot 7-154. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 8) - Ch. 199)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-155. Power Spectral Density Measurement MIMO ANT1 (80MHz 802.11ax (UNII Band 8) - Ch. 215)

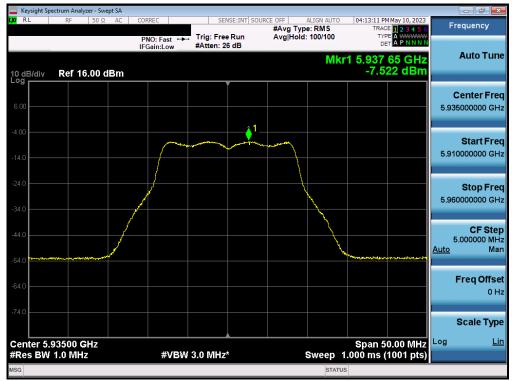


Plot 7-156. Power Spectral Density Measurement MIMO ANT1 (160MHz 802.11ax (UNII Band 8) - Ch. 207)

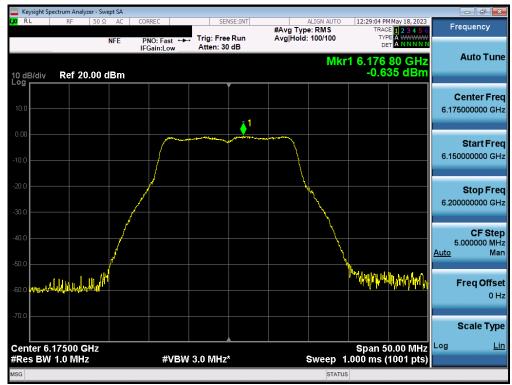
FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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### 7.4.5 MIMO Antenna-2 Power Spectral Density Measurement - (UNII Band 5)



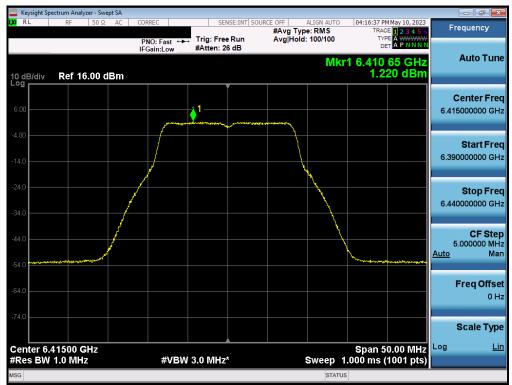
Plot 7-157. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 5) - Ch. 2)



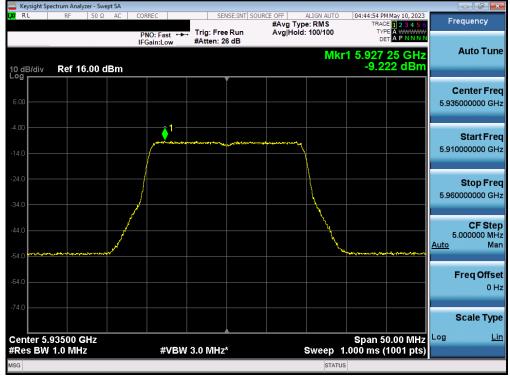
Plot 7-158. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 5) - Ch. 45)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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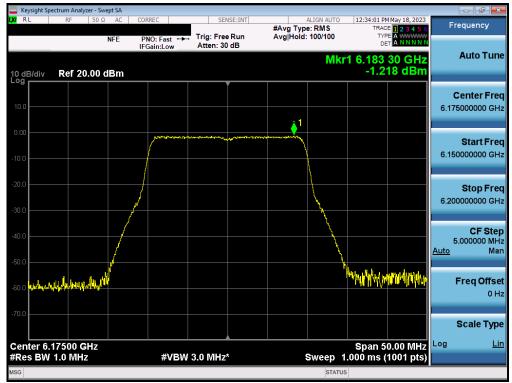
Plot 7-159. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 5) - Ch. 93)



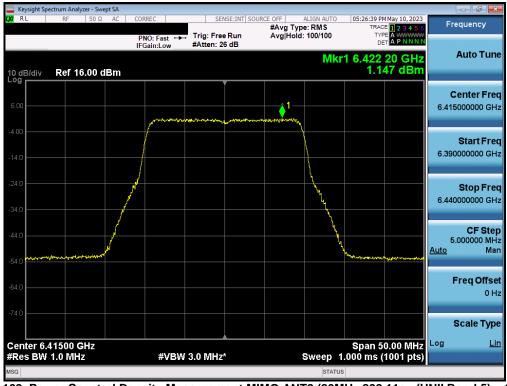
Plot 7-160. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 5) - Ch. 2)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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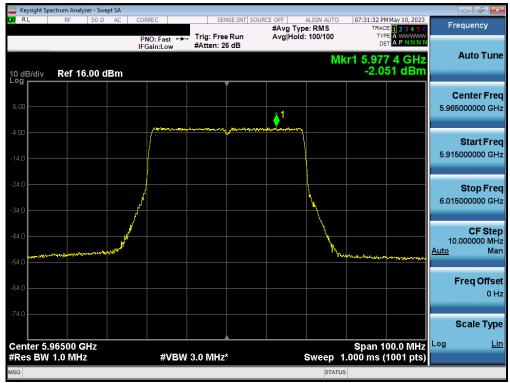
Plot 7-161. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 5) - Ch. 45)



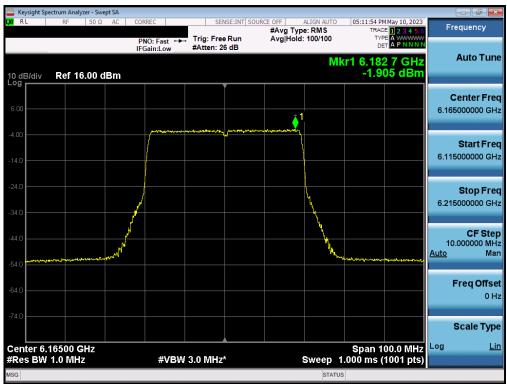
Plot 7-162. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 5) - Ch. 93)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-163. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 5) - Ch. 3)



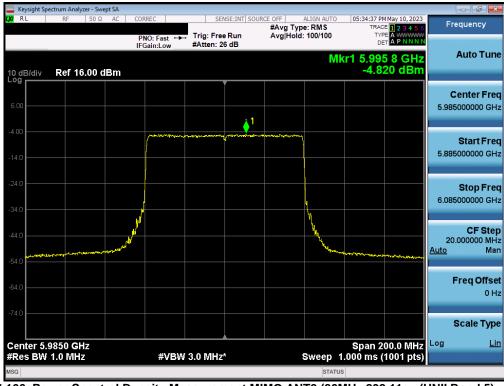
Plot 7-164. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 5) - Ch. 43)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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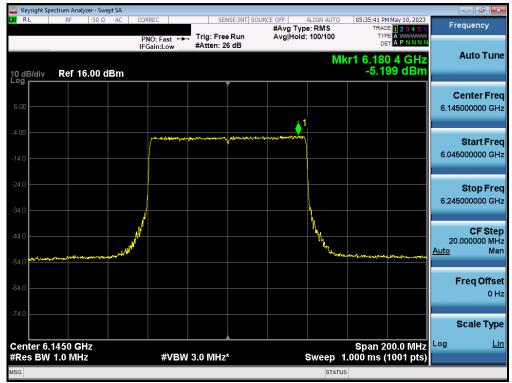
Plot 7-165. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 5) - Ch. 91)



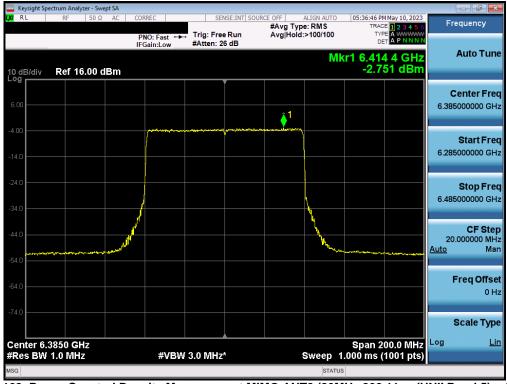
Plot 7-166. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 5) - Ch. 7)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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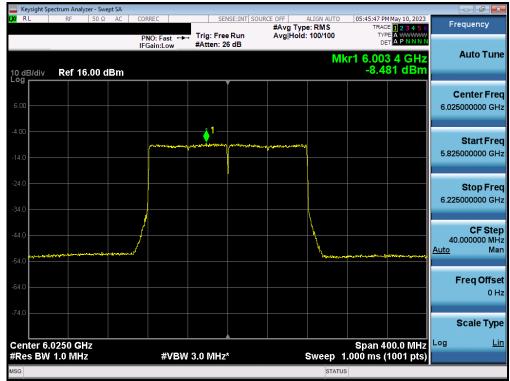
Plot 7-167. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 5) - Ch. 39)



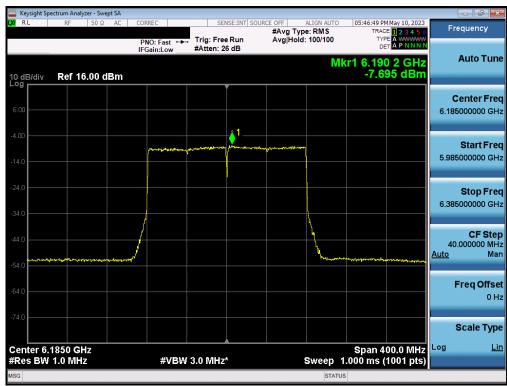
Plot 7-168. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 5) - Ch. 87)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-169. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 5) - Ch. 15)



Plot 7-170. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 5) - Ch. 47)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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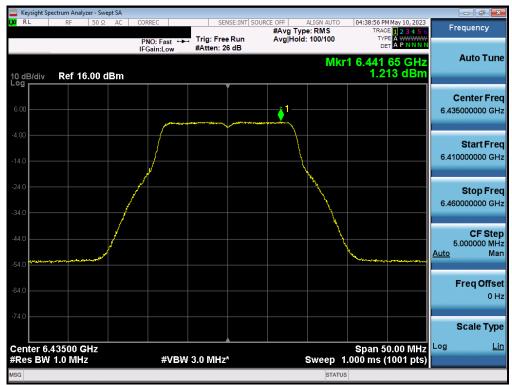


Plot 7-171. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 5) - Ch. 79)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.4.6 MIMO Antenna-2 Power Spectral Density Measurement - (UNII Band 6)



Plot 7-172. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 6) - Ch. 97)



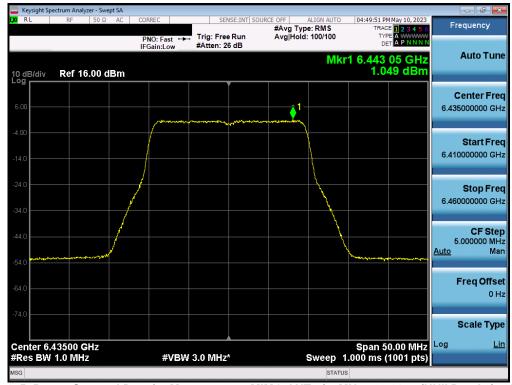
Plot 7-173. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 6) - Ch. 105)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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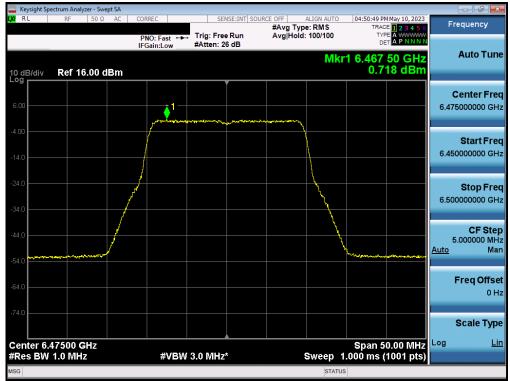
Plot 7-174. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 6) - Ch. 113)



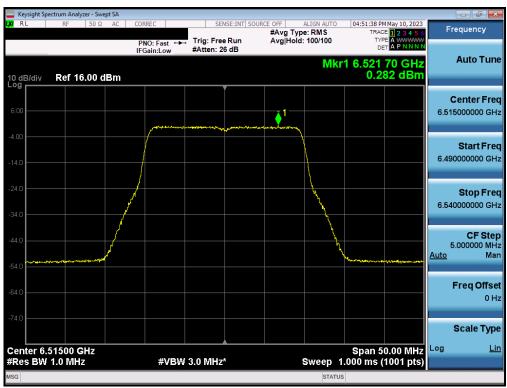
Plot 7-175. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 6) - Ch. 97)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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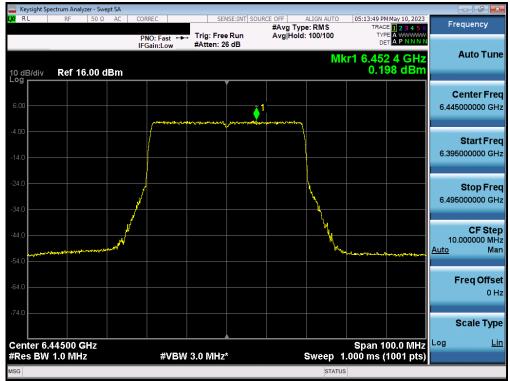
Plot 7-176. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 6) - Ch. 105)



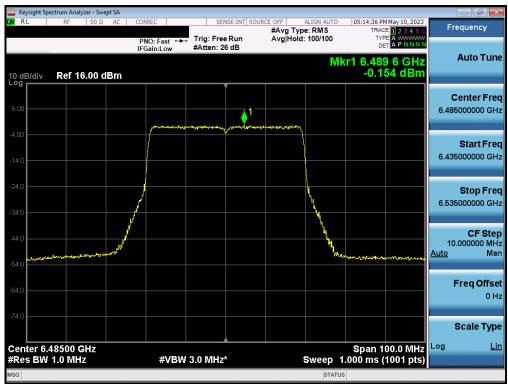
Plot 7-177. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 6) - Ch. 113)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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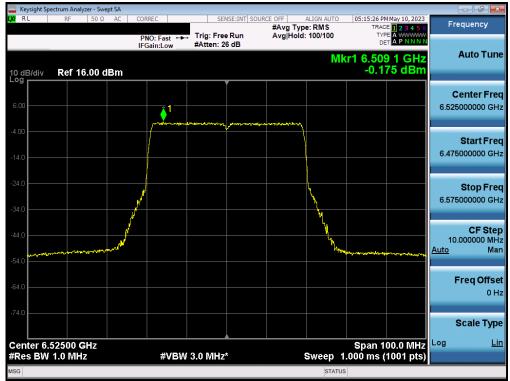
Plot 7-178. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 6) - Ch. 99)



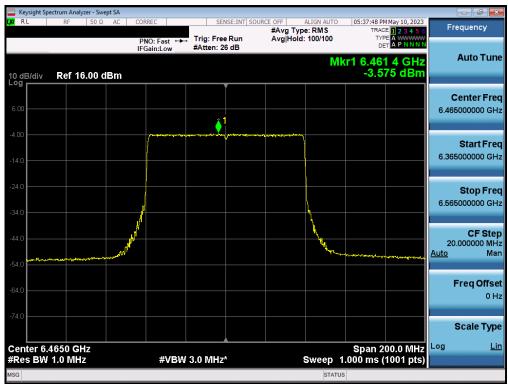
Plot 7-179. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 6) - Ch. 107)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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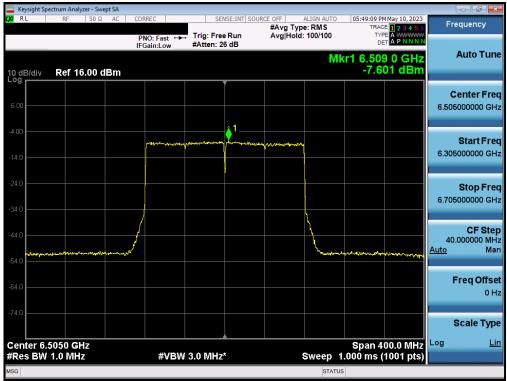
Plot 7-180. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 6) - Ch. 115)



Plot 7-181. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 6) - Ch. 103)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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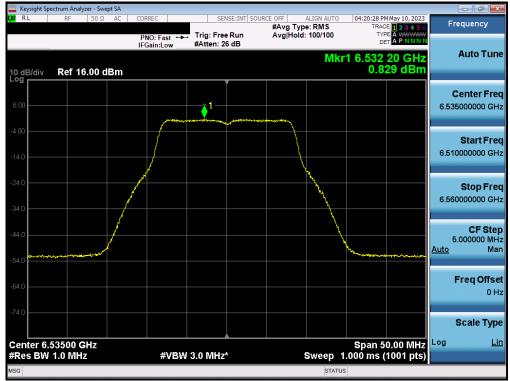


Plot 7-182. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 6) - Ch. 111)

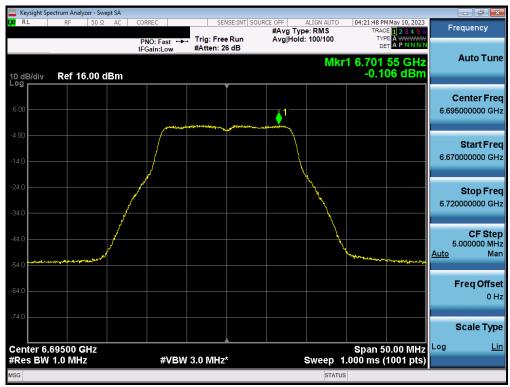
FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Dage 447 of 220
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## 7.4.7 MIMO Antenna-2 Power Spectral Density Measurement - (UNII Band 7)



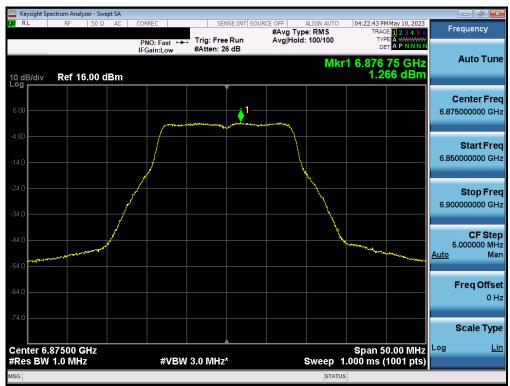
Plot 7-183. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 7) - Ch. 117)



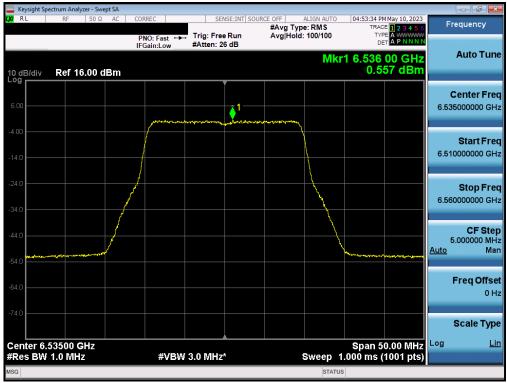
Plot 7-184. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 7) - Ch. 149)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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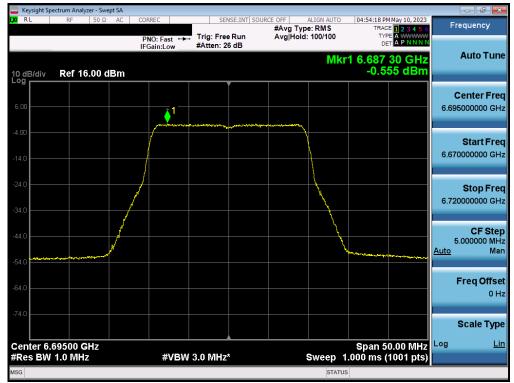
Plot 7-185. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 7) - Ch. 185)



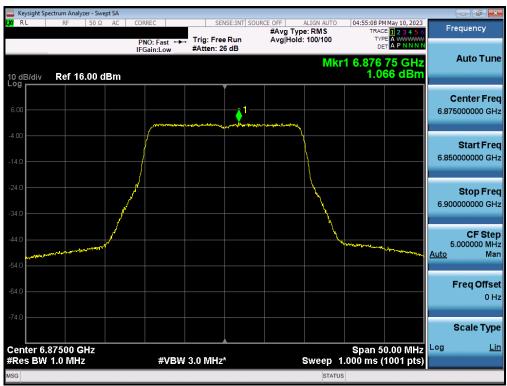
Plot 7-186. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 7) - Ch. 117)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-187. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 7) - Ch. 149)



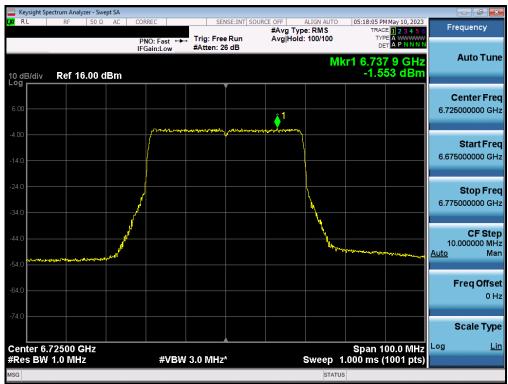
Plot 7-188. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 7) - Ch. 185)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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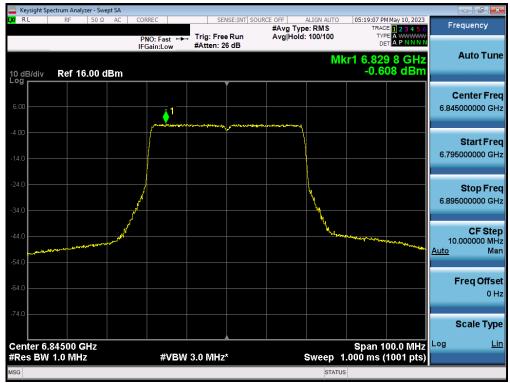
Plot 7-189. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 7) - Ch. 123)



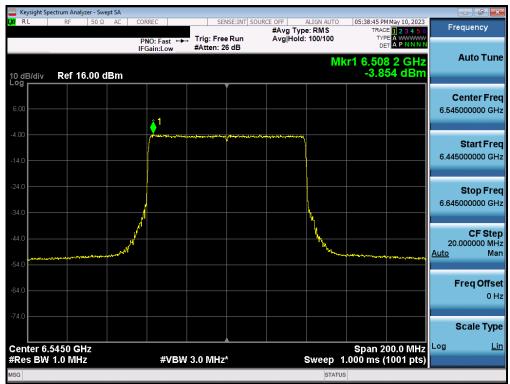
Plot 7-190. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 7) - Ch. 155)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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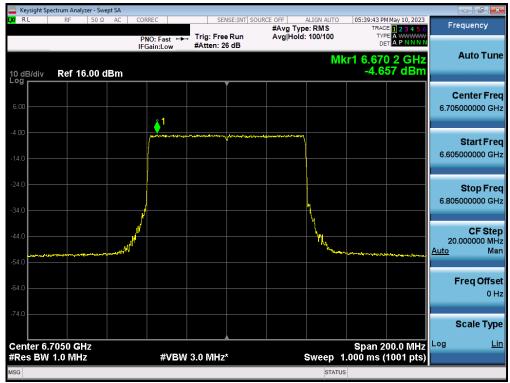
Plot 7-191. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 7) - Ch. 179)



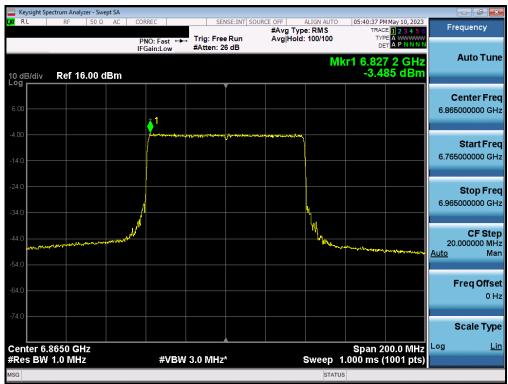
Plot 7-192. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 7) - Ch. 119)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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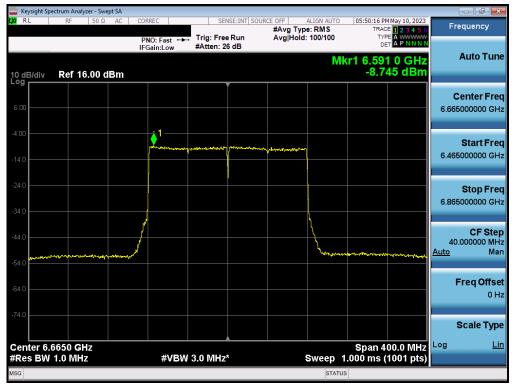
Plot 7-193. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 7) - Ch. 151)



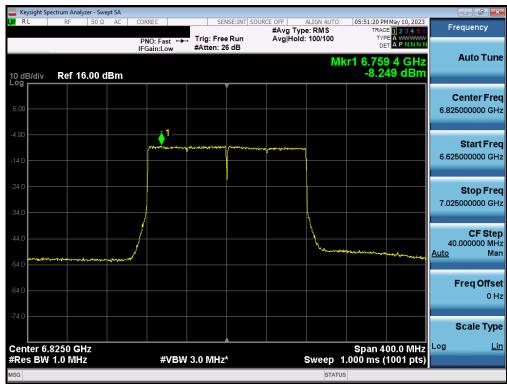
Plot 7-194. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 7) - Ch. 183)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-195. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 7) - Ch. 143)

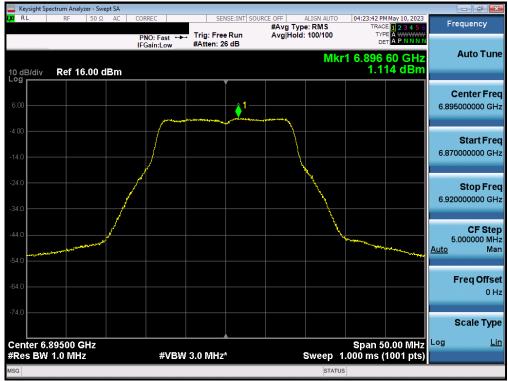


Plot 7-196. Power Spectral Density Measurement MIMO ANT2 (160MHz 802.11ax (UNII Band 7) - Ch. 175)

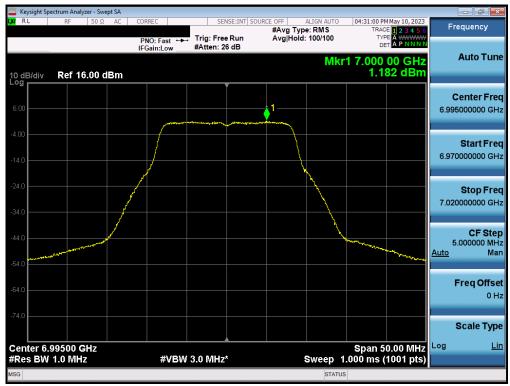
FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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## 7.4.8 MIMO Antenna-2 Power Spectral Density Measurement - (UNII Band 8)



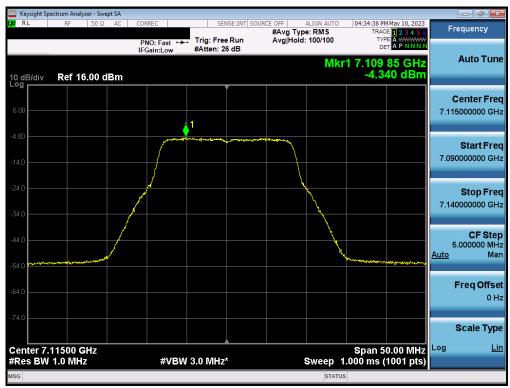
Plot 7-197. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 8) - Ch. 189)



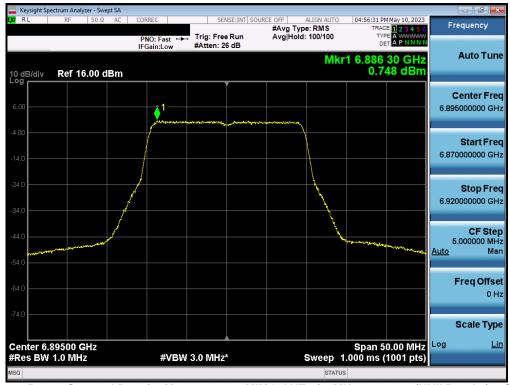
Plot 7-198. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 8) - Ch. 209)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager	
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Plot 7-199. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11a (UNII Band 8) - Ch. 233)



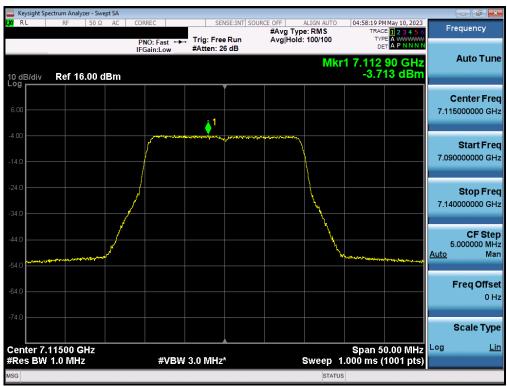
Plot 7-200. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 8) - Ch. 189)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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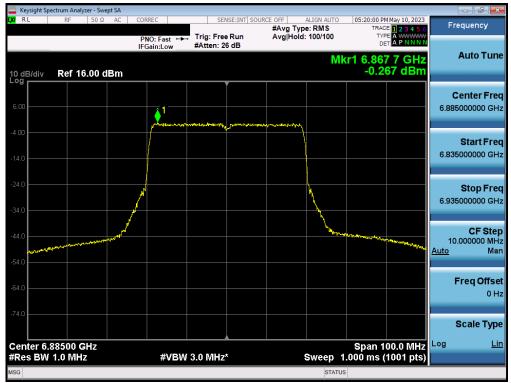
Plot 7-201. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 8) - Ch. 209)



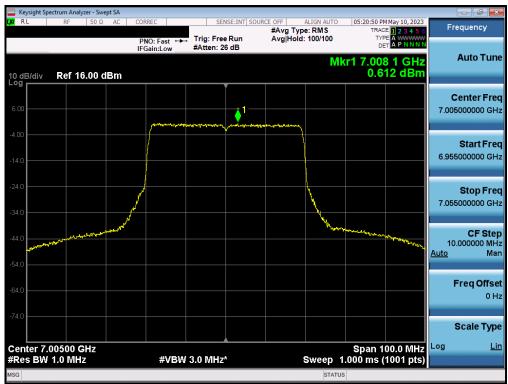
Plot 7-202. Power Spectral Density Measurement MIMO ANT2 (20MHz 802.11ax (UNII Band 8) - Ch. 233)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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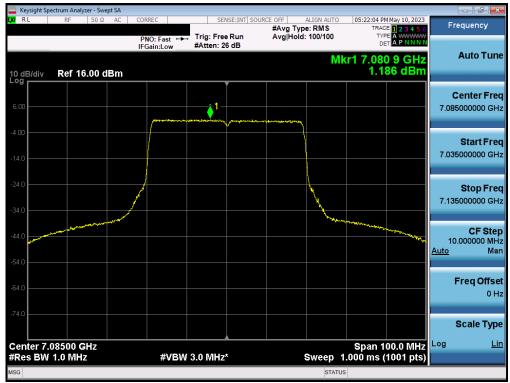
Plot 7-203. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 8) - Ch. 187)



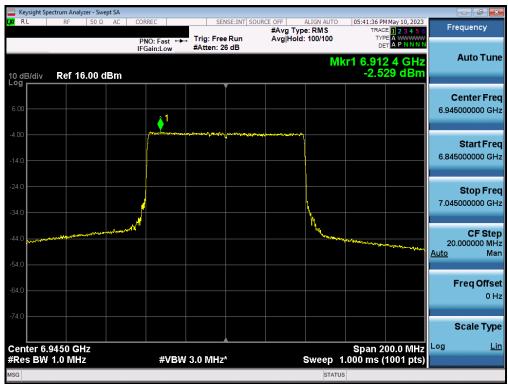
Plot 7-204. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 8) - Ch. 211)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-205. Power Spectral Density Measurement MIMO ANT2 (40MHz 802.11ax (UNII Band 8) - Ch. 227)



Plot 7-206. Power Spectral Density Measurement MIMO ANT2 (80MHz 802.11ax (UNII Band 8) - Ch. 199)

FCC ID: A3LSMX910 IC: 649E-SMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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