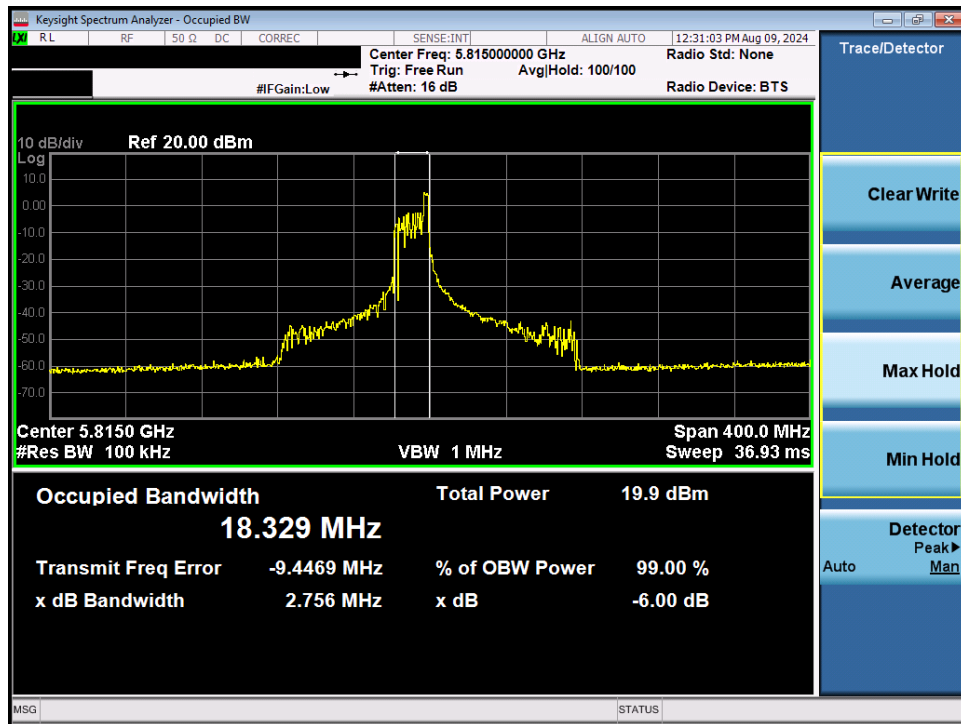
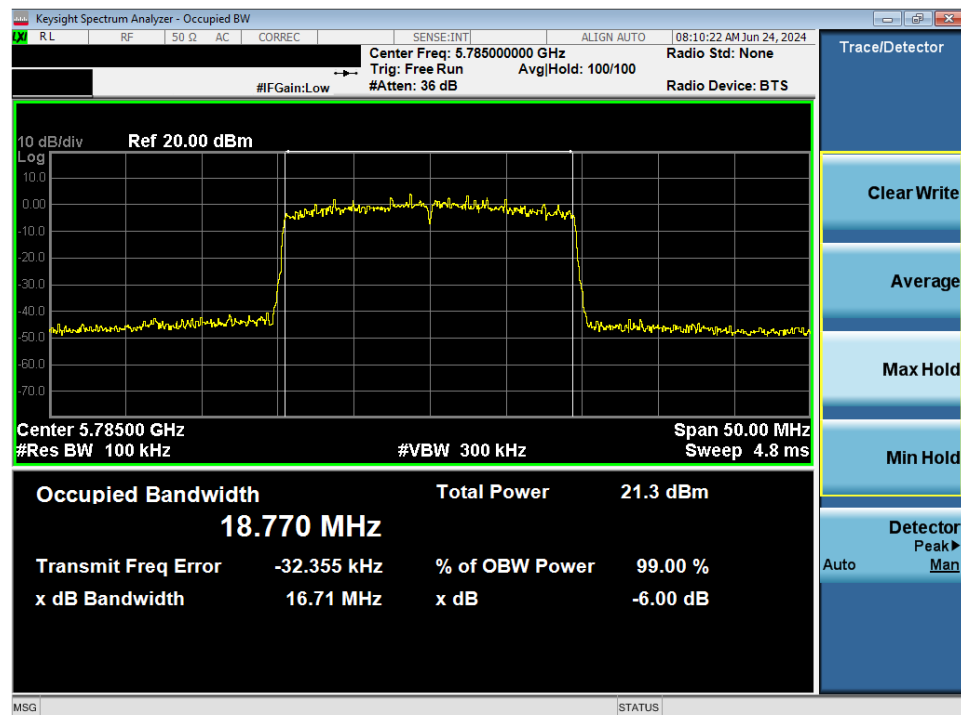


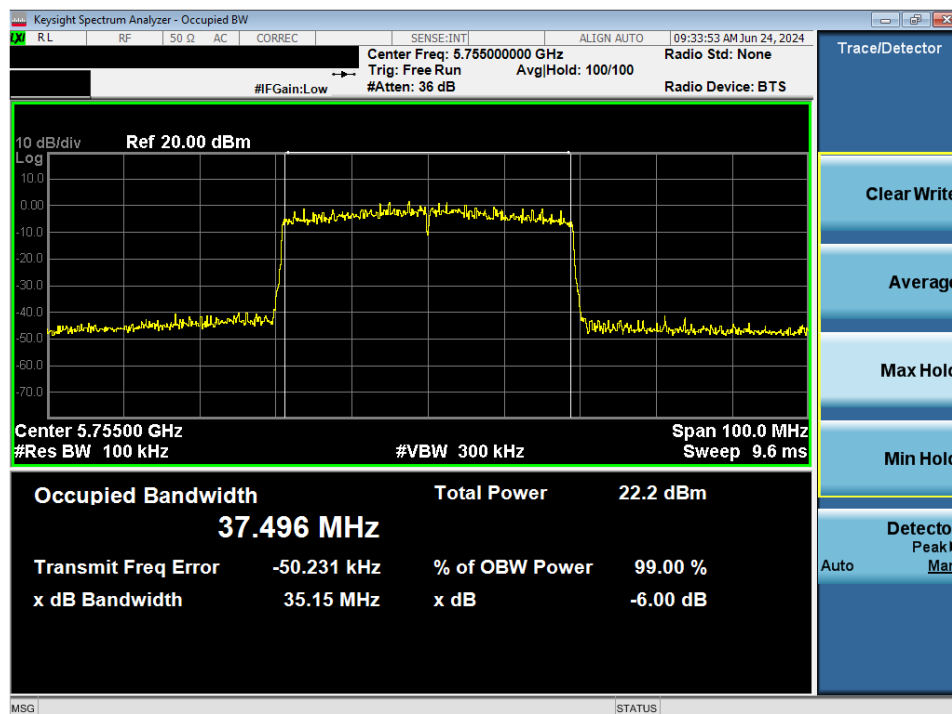


Plot 7-94. 6dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 163)



Plot 7-95. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 242 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 68 of 180

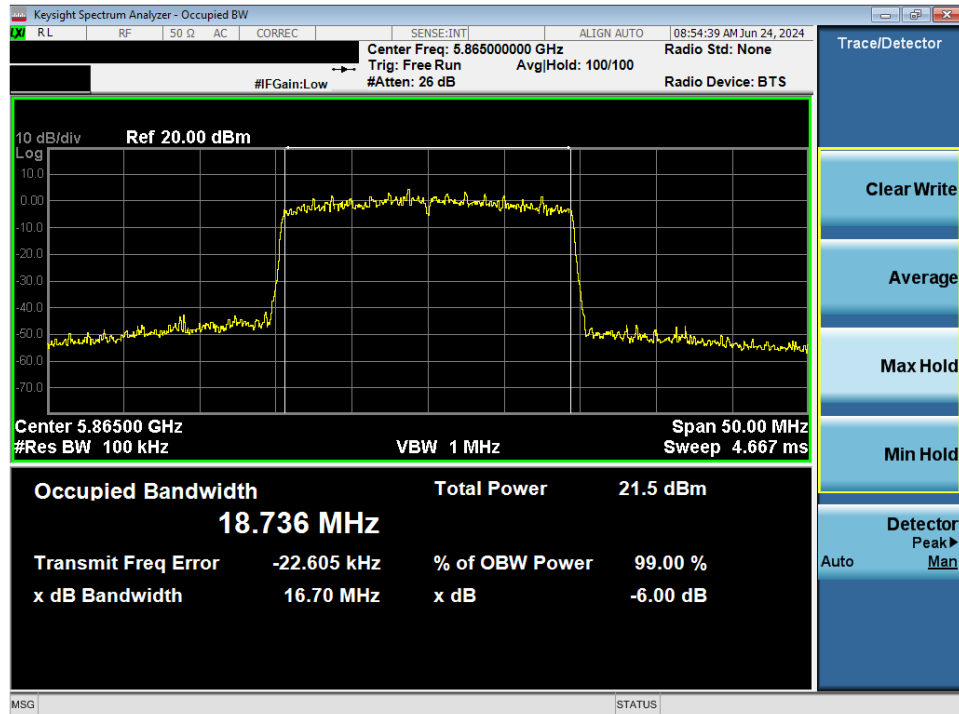


Plot 7-96. 6dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11be – 484 Tones (UNII Band 3) – Ch. 151)

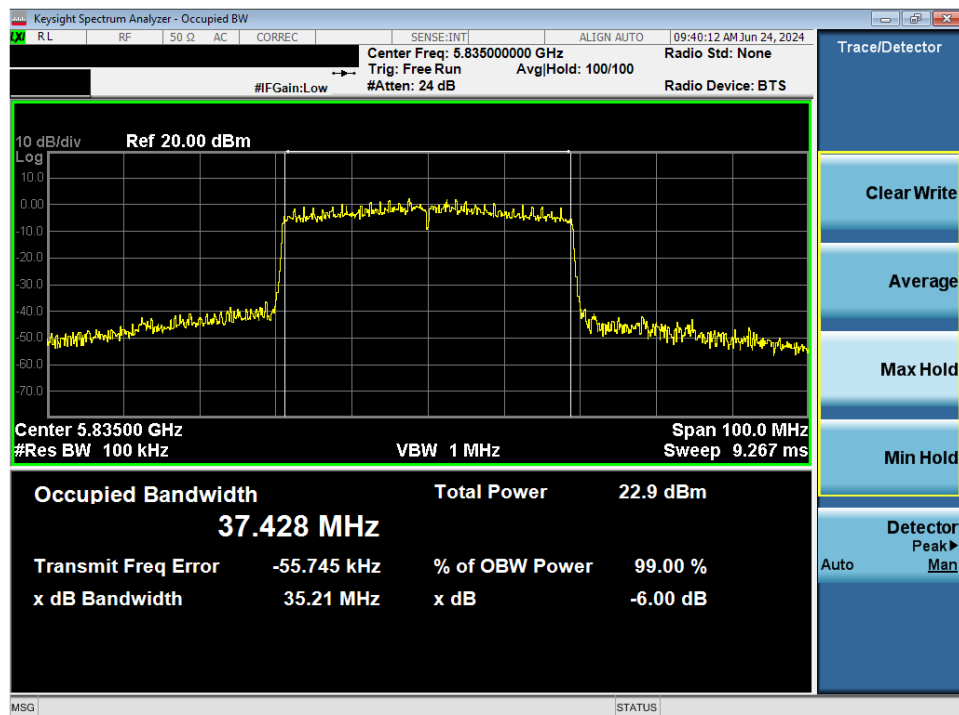


Plot 7-97. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be – 996 Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 69 of 180

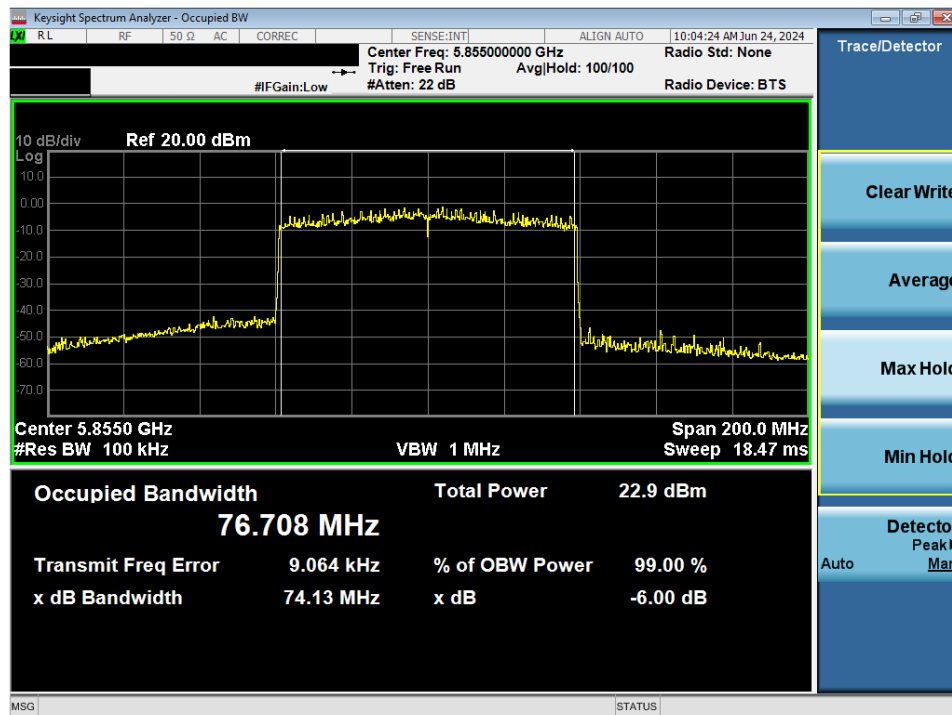


Plot 7-98. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 242 Tones (UNII Band 4) – Ch. 173)

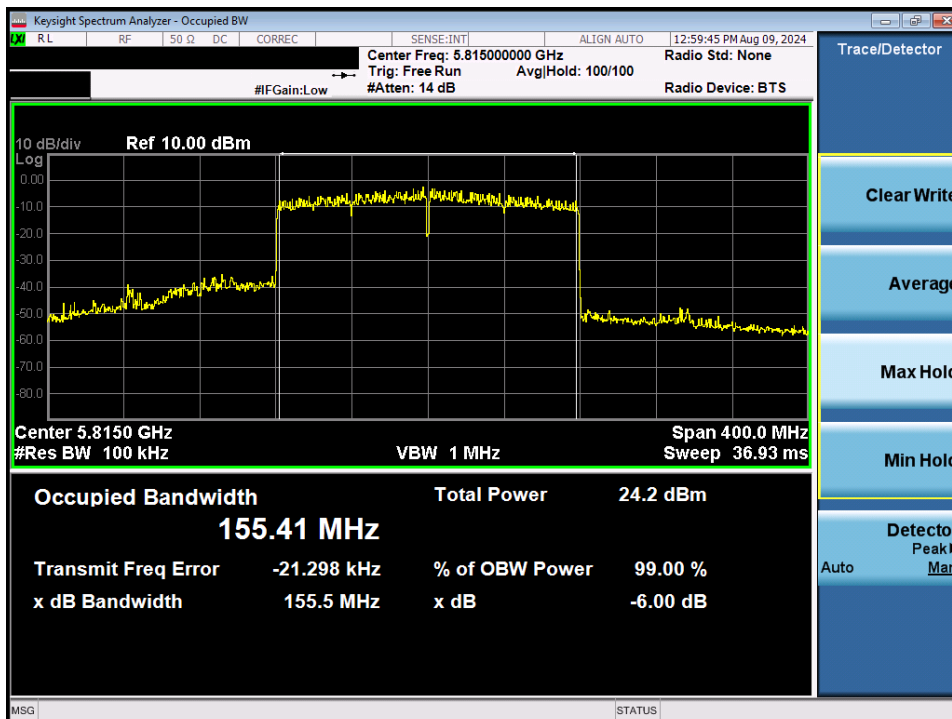


Plot 7-99. 6dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11be – 484 Tones (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 70 of 180

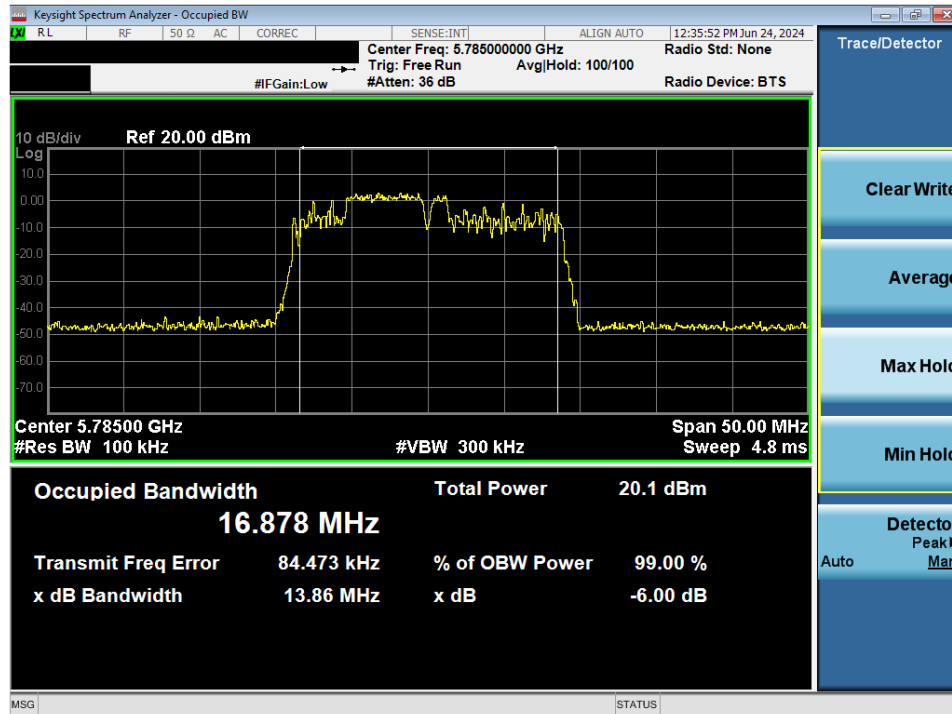


Plot 7-100. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be – 996 Tones (UNII Band 3/4) – Ch. 171)

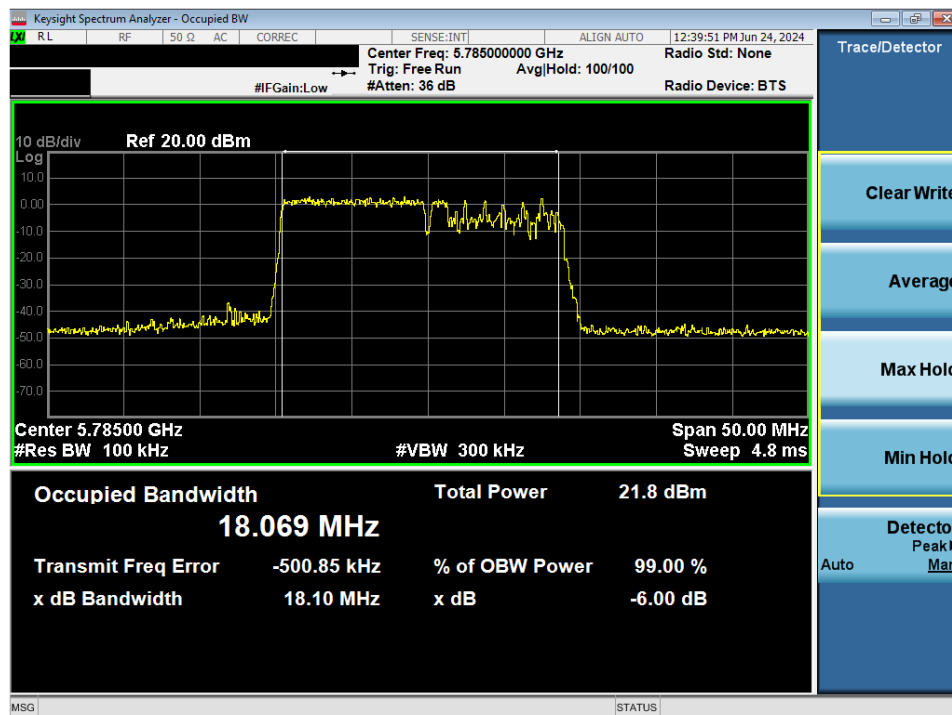


Plot 7-101. 6dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be – 996*2 Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 71 of 180

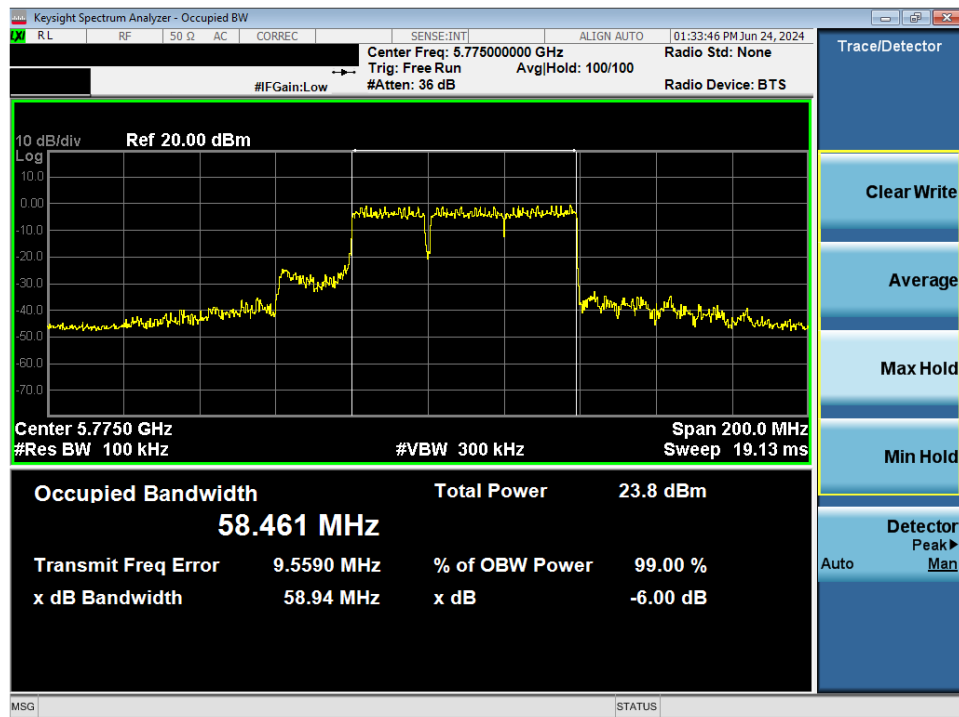


Plot 7-102. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 52+26 Tones (UNII Band 3) – Ch. 157)

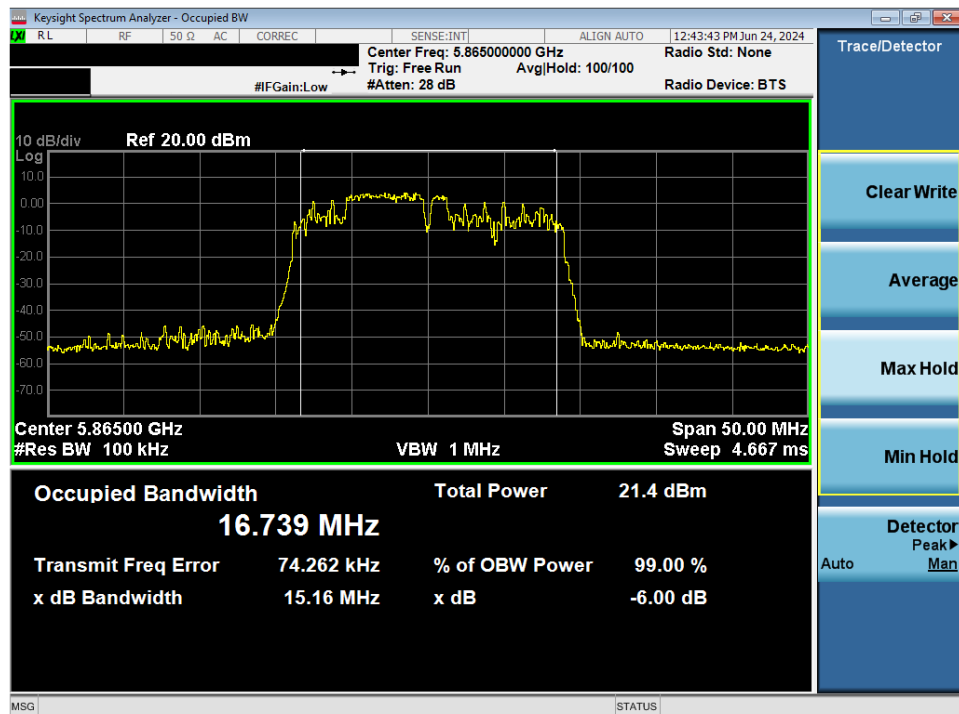


Plot 7-103. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 106+26 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 72 of 180

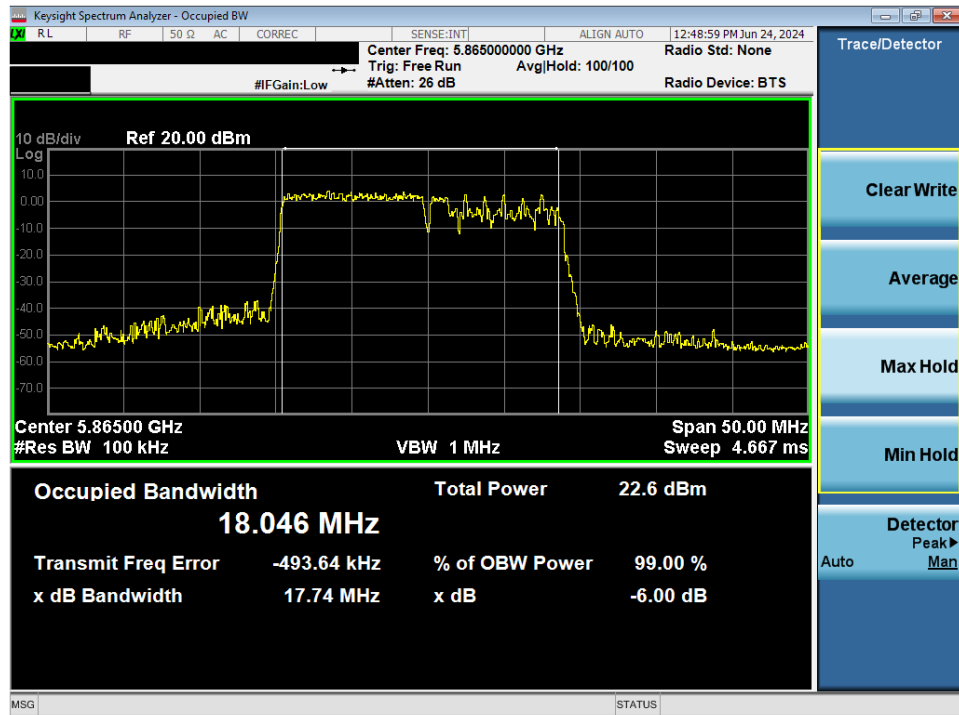


Plot 7-104. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be – 484+242 Tones (UNII Band 3) – Ch. 155)

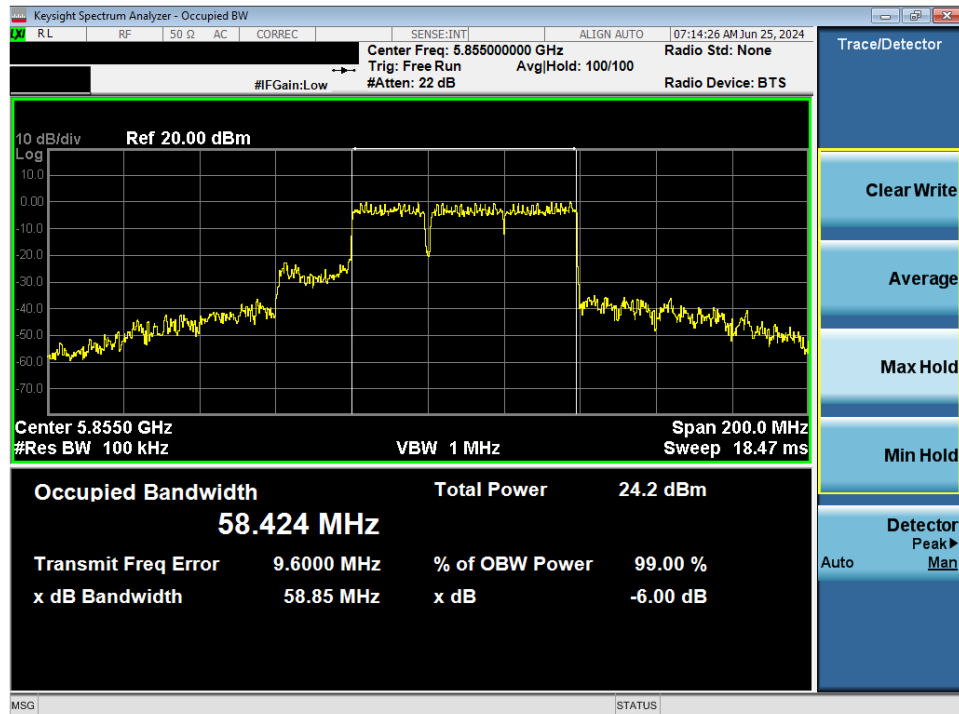


Plot 7-105. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 52+26 Tones (UNII Band 4) – Ch. 173)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 73 of 180

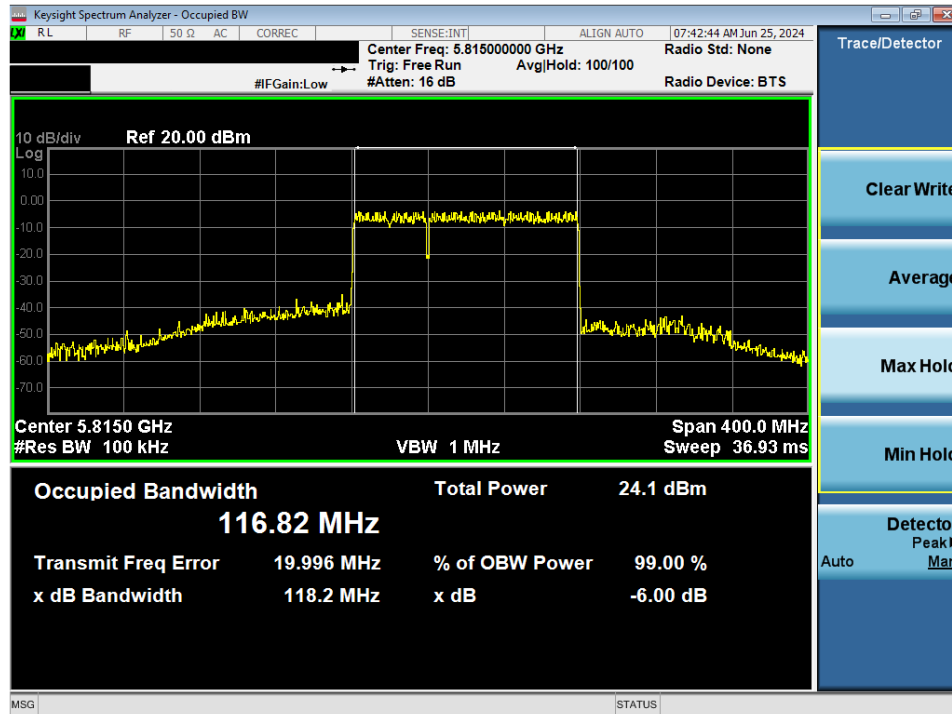


Plot 7-106. 6dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11be – 106+26 Tones (UNII Band 4) – Ch. 173)



Plot 7-107. 6dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11be – 484+242 Tones (UNII Band 3/4) – Ch. 171)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 74 of 180



Plot 7-108. 6dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11be – 996+484T Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 75 of 180

7.4 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.

The output power limits are specified in the tables below.

UNII Band	Frequency Range	Maximum Conducted Power Limit	Maximum e.i.r.p
		FCC	FCC
UNII 1	5.15 – 5.25GHz	23.98dBm (250mW)	N/A
UNII 2A	5.25 – 5.35GHz	The lesser of 23.98dBm (250mW) or 11dBm + 10log ₁₀ B	N/A
UNII 2C	5.47 – 5.725GHz		
UNII 3	5.725 – 5.850GHz	30dBm (1W)	N/A
UNII 4	5.850 – 5.895GHz	N/A	30dBm (1W)

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 7-3. Test Instrument & Measurement Setup

Test Notes

None.

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
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SISO ANT1 Conducted Output Power Measurement

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					0	4	8						
	1	5180	36	26T	9.71	9.33	9.78	23.98	-14.20	-8.29	1.49	30.0	-28.51
		5200	40	26T	9.69	9.56	9.73	23.98	-14.25	-8.29	1.44	30.0	-28.56
		5240	48	26T	3.53	3.54	3.70	23.98	-20.28	-8.29	-4.59	30.0	-34.59
	2A	5260	52	26T	9.73	9.81	9.68	23.98	-14.17	-6.07	3.74	30.0	-26.26
		5280	56	26T	9.68	9.73	9.89	23.98	-14.09	-6.07	3.82	30.0	-26.18
		5320	64	26T	9.86	9.65	9.81	23.98	-14.12	-6.07	3.79	30.0	-26.21
	2C	5500	100	26T	9.78	9.56	9.66	23.98	-14.20	-4.40	5.38	30.0	-24.62
		5600	120	26T	9.57	9.86	9.87	23.98	-14.11	-4.40	5.47	30.0	-24.53
		5720	144	26T	9.65	9.67	9.55	23.98	-14.31	-4.40	5.27	30.0	-24.73
	3	5745	149	26T	9.71	9.78	9.69	30	-20.22	-4.02	5.76	36.0	-30.24
		5785	157	26T	9.64	9.74	9.85	30	-20.15	-4.02	5.83	36.0	-30.17
		5825	165	26T	9.68	9.53	9.73	30	-20.27	-4.02	5.71	36.0	-30.29
	4	5845	169	26T	9.63	9.28	9.69	-	-	-4.47	5.22	30.0	-24.78
		5865	173	26T	9.92	9.81	9.49	-	-	-4.47	5.45	30.0	-24.55
		5885	177	26T	9.88	9.72	9.88	-	-	-4.47	5.41	30.0	-24.59

Table 7-10. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					37	39	40						
	1	5180	36	52T	12.91	12.57	12.69	23.98	-11.07	-8.29	4.62	30.0	-25.38
		5200	40	52T	12.63	12.52	12.65	23.98	-11.33	-8.29	4.36	30.0	-25.64
		5240	48	52T	6.73	6.59	6.70	23.98	-17.25	-8.29	-1.56	30.0	-31.56
	2A	5260	52	52T	12.62	12.81	12.88	23.98	-11.1	-6.07	6.81	30.0	-23.19
		5280	56	52T	12.84	12.55	12.61	23.98	-11.14	-6.07	6.77	30.0	-23.23
		5320	64	52T	12.81	12.91	12.98	23.98	-11	-6.07	6.91	30.0	-23.09
	2C	5500	100	52T	12.56	12.61	12.89	23.98	-11.09	-4.40	8.49	30.0	-21.51
		5600	120	52T	12.65	12.61	12.33	23.98	-11.33	-4.40	8.25	30.0	-21.75
		5720	144	52T	12.56	12.93	12.97	23.98	-11.01	-4.40	8.57	30.0	-21.43
	3	5745	149	52T	12.96	12.59	12.62	30	-17.04	-4.02	8.94	36.0	-27.06
		5785	157	52T	12.88	12.53	12.89	30	-17.11	-4.02	8.87	36.0	-27.13
		5825	165	52T	12.42	12.59	12.67	30	-17.33	-4.02	8.65	36.0	-27.35
4	5845	169	52T	12.65	12.57	12.66	-	-	-4.47	8.19	30.0	-21.81	
	5865	173	52T	12.93	12.88	12.49	-	-	-4.47	8.46	30.0	-21.54	
	5885	177	52T	12.88	12.79	12.89	-	-	-4.47	8.42	30.0	-21.58	

Table 7-11. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					53	54	NA						
	1	5180	36	106T	14.56	14.58		23.98	-9.40	-8.29	6.29	30.0	-23.71
		5200	40	106T	14.62	14.65		23.98	-9.33	-8.29	6.36	30.0	-23.64
		5240	48	106T	9.69	9.70		23.98	-14.28	-8.29	1.41	30.0	-28.59
	2A	5260	52	106T	14.89	14.86		23.98	-9.09	-6.07	8.82	30.0	-21.18
		5280	56	106T	14.56	14.81		23.98	-9.17	-6.07	8.74	30.0	-21.26
		5320	64	106T	14.76	14.95		23.98	-9.03	-6.07	8.88	30.0	-21.12
	2C	5500	100	106T	14.73	14.91		23.98	-9.07	-4.40	10.51	30.0	-19.49
		5600	120	106T	14.59	14.81		23.98	-9.17	-4.40	10.41	30.0	-19.59
		5720	144	106T	14.98	14.93		23.98	-9	-4.40	10.58	30.0	-19.42
	3	5745	149	106T	13.86	13.54		30	-16.14	-4.02	9.84	36.0	-26.16
		5785	157	106T	13.45	13.52		30	-16.48	-4.02	9.50	36.0	-26.50
		5825	165	106T	13.56	13.63		30	-16.37	-4.02	9.61	36.0	-26.39
4	5845	169	106T	14.61	14.52		-	-	-4.47	10.14	30.0	-19.86	
	5865	173	106T	14.91	14.53		-	-	-4.47	10.44	30.0	-19.56	
	5885	177	106T	14.92	14.89		-	-	-4.47	10.45	30.0	-19.55	

Table 7-12. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					61	NA	NA						
	1	5180	36	242T	14.89			23.98	-9.09	-8.29	6.60	30.0	-23.40
5200		40	242T	14.94			23.98	-9.04	-8.29	6.65	30.0	-23.35	
5240		48	242T	14.98			23.98	-9.00	-8.29	6.69	30.0	-23.31	
2A	5260	52	242T	14.49			23.98	-9.49	-6.07	8.42	30.0	-21.58	
	5280	56	242T	14.66			23.98	-9.32	-6.07	8.59	30.0	-21.41	
	5320	64	242T	14.84			23.98	-9.14	-6.07	8.77	30.0	-21.23	
2C	5500	100	242T	14.51			23.98	-9.47	-4.40	10.11	30.0	-19.89	
	5600	120	242T	14.97			23.98	-9.01	-4.40	10.57	30.0	-19.43	
	5720	144	242T	14.76			23.98	-9.22	-4.40	10.36	30.0	-19.64	
3	5745	149	242T	14.86			30	-15.14	-4.02	10.84	36.0	-25.16	
	5785	157	242T	14.80			30	-15.2	-4.02	10.78	36.0	-25.22	
	5825	165	242T	14.88			30	-15.12	-4.02	10.86	36.0	-25.14	
4	5845	169	242T	14.83			-	-	-4.47	10.36	30.0	-19.64	
	5865	173	242T	14.78			-	-	-4.47	10.31	30.0	-19.69	
	5885	177	242T	14.73			-	-	-4.47	10.26	30.0	-19.74	

Table 7-13. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 77 of 180

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					65	NA	NA						
	1	5190	38	484T	10.70			23.98	-13.28	-8.29	2.41	30.0	-27.59
2A	5230	46	484T	10.47			23.98	-13.51	-8.29	2.18	30.0	-27.82	
	5270	54	484T	14.68			23.98	-9.3	-6.07	8.61	30.0	-21.39	
	5310	62	484T	14.35			23.98	-9.63	-6.07	8.28	30.0	-21.72	
2C	5510	102	484T	14.75			23.98	-9.23	-4.40	10.35	30.0	-19.65	
	5590	118	484T	14.41			23.98	-9.57	-4.40	10.01	30.0	-19.99	
	5710	142	484T	14.58			23.98	-9.4	-4.40	10.18	30.0	-19.82	
3	5755	151	484T	13.77			30	-16.23	-4.02	9.75	36.0	-26.25	
	5795	159	484T	13.56			30	-16.44	-4.02	9.54	36.0	-26.46	
4	5835	167	484T	14.61			-	-	-4.47	10.14	30.0	-19.86	
	5875	175	484T	14.48			-	-	-4.47	10.01	30.0	-19.99	

Table 7-14. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					67	NA	NA						
	1	5210	42	996T	9.20			23.98	-14.78	-8.29	0.91	30.0	-29.09
	2A	5290	58	996T	9.26			23.98	-14.72	-6.07	3.19	30.0	-26.81
2C		5530	106	996T	10.96			23.98	-13.02	-4.40	6.56	30.0	-23.44
		5610	122	996T	10.77			23.98	-13.21	-4.40	6.37	30.0	-23.63
		5690	138	996T	10.98			23.98	-13	-4.40	6.58	30.0	-23.42
3	5775	155	996T	12.82			30	-17.18	-4.02	8.80	36.0	-27.20	
4	5855	171	996T	12.77			-	-	-4.47	8.30	30.0	-21.70	

Table 7-15. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					68	NA	NA						
	1/2A	5250	50	2x996T	9.63			23.98	-14.35	-8.29	1.34	30.0	-28.66
	2C	5570	114	2x996T	12.14			23.98	-11.84	-4.40	7.74	30.0	-22.26
	3/4	5815	163	2x996T	14.83			-	-	-4.47	10.36	30.0	-19.64

Table 7-16. SISO ANT1 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
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SISO ANT2 Conducted Output Power Measurements

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dB]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					0	4	8						
	1	5180	36	26T	10.0	10.0	9.5	23.98	-14.01	-4.54	5.43	30.0	-24.57
		5200	40	26T	9.82	9.91	9.51	23.98	-14.07	-4.54	5.37	30.0	-24.63
		5240	48	26T	3.55	3.89	3.87	23.98	-20.09	-4.54	-0.65	30.0	-30.65
	2A	5260	52	26T	9.86	9.65	9.71	23.98	-14.12	-8.85	1.01	30.0	-28.99
		5280	56	26T	9.78	9.61	9.71	23.98	-14.20	-8.85	0.93	30.0	-29.07
		5320	64	26T	9.69	9.50	9.82	23.98	-14.16	-8.85	0.97	30.0	-29.03
	2C	5500	100	26T	9.72	9.73	9.79	23.98	-14.19	-7.30	2.49	30.0	-27.51
		5600	120	26T	9.98	9.72	9.76	23.98	-14.00	-7.30	2.68	30.0	-27.32
		5720	144	26T	9.59	9.95	9.51	23.98	-14.03	-7.30	2.65	30.0	-27.35
	3	5745	149	26T	9.69	9.49	9.57	30	-20.31	-7.04	2.65	36.0	-33.35
		5785	157	26T	9.61	9.45	9.63	30	-20.37	-7.04	2.59	36.0	-33.41
		5825	165	26T	9.69	9.61	9.94	30	-20.06	-7.04	2.90	36.0	-33.10
	4	5845	169	26T	9.61	9.56	9.69	-	-	-7.33	2.36	30.0	-27.64
		5865	173	26T	9.61	9.98	9.61	-	-	-7.33	2.65	30.0	-27.35
		5885	177	26T	9.53	9.89	9.57	-	-	-7.33	2.56	30.0	-27.44

Table 7-17. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dB]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					37	39	40						
	1	5180	36	52T	12.8	12.5	12.6	23.98	-11.19	-4.54	8.25	30.0	-21.75
		5200	40	52T	12.74	12.51	12.62	23.98	-11.24	-4.54	8.20	30.0	-21.80
		5240	48	52T	6.48	6.89	6.48	23.98	-17.09	-4.54	2.35	30.0	-27.65
	2A	5260	52	52T	12.98	12.77	12.81	23.98	-11	-8.85	4.13	30.0	-25.87
		5280	56	52T	12.89	12.71	12.53	23.98	-11.09	-8.85	4.04	30.0	-25.96
		5320	64	52T	12.51	12.87	12.92	23.98	-11.06	-8.85	4.07	30.0	-25.93
	2C	5500	100	52T	12.74	12.60	12.62	23.98	-11.24	-7.30	5.44	30.0	-24.56
		5600	120	52T	12.64	12.86	12.86	23.98	-11.12	-7.30	5.56	30.0	-24.44
		5720	144	52T	12.67	12.51	12.60	23.98	-11.31	-7.30	5.37	30.0	-24.63
	3	5745	149	52T	12.81	12.61	12.77	30	-17.19	-7.04	5.77	36.0	-30.23
		5785	157	52T	12.61	12.58	12.65	30	-17.35	-7.04	5.61	36.0	-30.39
		5825	165	52T	12.84	12.71	12.54	30	-17.16	-7.04	5.80	36.0	-30.20
	4	5845	169	52T	12.69	12.63	12.70	-	-	-7.33	5.37	30.0	-24.63
		5865	173	52T	12.61	12.59	12.67	-	-	-7.33	5.34	30.0	-24.66
		5885	177	52T	12.59	12.51	12.59	-	-	-7.33	5.26	30.0	-24.74

Table 7-18. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					53	54	NA						
	1	5180	36	106T	14.7	14.7		23.98	-9.26	-4.54	10.18	30.0	-19.82
		5200	40	106T	14.68	14.61		23.98	-9.30	-4.54	10.14	30.0	-19.86
		5240	48	106T	9.52	9.48		23.98	-14.46	-4.54	4.98	30.0	-25.02
	2A	5260	52	106T	14.99	14.91		23.98	-8.99	-8.85	6.14	30.0	-23.86
		5280	56	106T	14.93	14.84		23.98	-9.05	-8.85	6.08	30.0	-23.92
		5320	64	106T	14.82	14.43		23.98	-9.16	-8.85	5.97	30.0	-24.03
	2C	5500	100	106T	14.82	14.74		23.98	-9.16	-7.30	7.52	30.0	-22.48
		5600	120	106T	14.58	14.97		23.98	-9.01	-7.30	7.67	30.0	-22.33
		5720	144	106T	14.72	14.61		23.98	-9.26	-7.30	7.42	30.0	-22.58
	3	5745	149	106T	13.97	13.84		30	-16.03	-7.04	6.93	36.0	-29.07
		5785	157	106T	13.55	13.92		30	-16.08	-7.04	6.88	36.0	-29.12
		5825	165	106T	13.44	13.98		30	-16.02	-7.04	6.94	36.0	-29.06
	4	5845	169	106T	14.50	14.41		-	-	-7.33	7.17	30.0	-22.83
		5865	173	106T	14.86	14.89		-	-	-7.33	7.56	30.0	-22.44
		5885	177	106T	14.77	14.79		-	-	-7.33	7.46	30.0	-22.54

Table 7-19. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dB]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					61	NA	NA						
	1	5180	36	242T	14.51			23.98	-9.47	-4.54	9.97	30.0	-20.03
		5200	40	242T	14.45			23.98	-9.53	-4.54	9.91	30.0	-20.09
		5240	48	242T	14.90			23.98	-9.08	-4.54	10.36	30.0	-19.64
	2A	5260	52	242T	14.77			23.98	-9.21	-8.85	5.92	30.0	-24.08
		5280	56	242T	14.74			23.98	-9.24	-8.85	5.89	30.0	-24.11
		5320	64	242T	14.81			23.98	-9.17	-8.85	5.96	30.0	-24.04
	2C	5500	100	242T	14.53			23.98	-9.45	-7.30	7.23	30.0	-22.77
		5600	120	242T	14.95			23.98	-9.03	-7.30	7.65	30.0	-22.35
		5720	144	242T	14.50			23.98	-9.48	-7.30	7.20	30.0	-22.80
	3	5745	149	242T	14.51			30	-15.49	-7.04	7.47	36.0	-28.53
		5785	157	242T	14.66			30	-15.34	-7.04	7.62	36.0	-28.38
		5825	165	242T	14.53			30	-15.47	-7.04	7.49	36.0	-28.51
	4	5845	169	242T	14.75			-	-	-7.33	7.42	30.0	-22.58
		5865	173	242T	14.64			-	-	-7.33	7.31	30.0	-22.69
		5885	177	242T	14.55			-	-	-7.33	7.22	30.0	-22.78

Table 7-20. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 79 of 180

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					65	NA	NA						
	1	5190	38	484T	10.76			23.98	-13.22	-4.54	6.22	30.0	-23.78
		5230	46	484T	10.59			23.98	-13.39	-4.54	6.05	30.0	-23.95
	2A	5270	54	484T	14.98			23.98	-9	-8.85	6.13	30.0	-23.87
		5310	62	484T	14.55			23.98	-9.43	-8.85	5.70	30.0	-24.30
	2C	5510	102	484T	14.86			23.98	-9.12	-7.30	7.56	30.0	-22.44
		5590	118	484T	14.67			23.98	-9.31	-7.30	7.37	30.0	-22.63
		5710	142	484T	14.80			23.98	-9.18	-7.30	7.50	30.0	-22.50
	3	5755	151	484T	13.58			30	-16.42	-7.04	6.54	36.0	-29.46
		5795	159	484T	13.63			30	-16.37	-7.04	6.59	36.0	-29.41
	4	5835	167	484T	14.98			-	-	-7.33	7.65	30.0	-22.35
		5875	175	484T	14.60			-	-	-7.33	7.27	30.0	-22.73

Table 7-21. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dB]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
					67	NA	NA						
	1	5210	42	996T	8.96			23.98	-15.02	-4.54	#REF!	30.0	#REF!
	2A	5290	58	996T	8.77			23.98	-15.21	-8.85	0.11	30.0	-29.89
	2C	5530	106	996T	10.98			23.98	-13	-7.30	3.68	30.0	-26.32
		5610	122	996T	10.88			23.98	-13.1	-7.30	3.58	30.0	-26.42
		5690	138	996T	11.21			23.98	-12.77	-7.30	3.91	30.0	-26.09
		3	5775	155	996T	12.44			30	-17.56	-7.04	5.40	36.0
	4	5855	171	996T	12.77			-	-	-7.33	5.44	30.0	-24.56

Table 7-22. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index								
	68	NA	NA										
	1/2A	5250	50	2x996T	9.48			23.98	-14.50	-4.54	4.94	30.0	-25.06
	2C	5570	114	2x996T	11.98			23.98	-12	-7.30	4.68	30.0	-25.32
3/4	5815	163	2x996T	14.98			-	-	-7.33	7.65	30.0	-22.35	

Table 7-23. SISO ANT2 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

FCC ID: A3LSMX920	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet		Page 80 of 180



MIMO Conducted Output Power Measurements

	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)												Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index																	
					0			8			16											
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
20MHz BW	1	5180	36	26T	9.58	8.76	12.20	9.8	9.0	12.41	9.9	9.1	12.57	23.98	-11.41	-3.20	9.36	30.0	-20.64			
		5200	40	26T	9.79	8.54	12.40	9.83	9.01	12.45	8.89	8.87	12.42	23.98	-11.53	-3.20	9.25	30.0	-20.75			
		5240	48	26T	3.50	3.68	6.60	3.77	3.70	6.75	3.83	3.77	6.81	23.98	-17.17	-3.20	3.61	30.0	-26.39			
		5260	52	26T	9.36	8.83	12.11	9.66	9.04	12.37	9.95	9.18	12.59	23.98	-11.39	-3.20	8.25	30.0	-21.75			
	2A	5280	56	26T	9.74	9.28	12.53	9.46	9.01	12.25	9.79	9.11	12.47	23.98	-11.45	-3.20	8.19	30.0	-21.81			
		5320	64	26T	9.89	9.61	12.76	9.69	9.43	12.57	9.53	9.06	12.31	23.98	-11.22	-3.20	8.42	30.0	-21.58			
		5500	100	26T	9.55	9.66	12.62	9.69	9.67	12.69	9.89	9.95	12.94	23.98	-11.04	-2.72	10.22	30.0	-19.78			
		5600	120	26T	9.14	9.89	12.54	9.84	9.92	12.89	9.47	9.69	12.59	23.98	-11.09	-2.72	10.17	30.0	-19.83			
	3	5720	144	26T	9.28	9.33	12.32	9.83	9.68	12.77	9.76	9.79	12.79	23.98	-11.19	-2.72	10.07	30.0	-19.93			
		5745	149	26T	9.16	9.77	12.49	9.81	9.77	12.80	9.72	9.94	12.84	30	-17.16	-2.39	10.45	36.0	-25.55			
		5785	157	26T	9.29	9.35	12.33	9.46	9.73	12.61	9.66	9.89	12.79	30	-17.21	-2.39	10.40	36.0	-25.60			
		5825	165	26T	9.03	9.73	12.40	9.24	9.55	12.41	9.48	9.66	12.58	30	-17.42	-2.39	10.19	36.0	-25.81			
4	5845	169	26T	9.24	9.64	12.45	8.95	9.51	12.25	9.15	9.61	12.40	-	-	-2.77	9.68	30.0	-20.32				
	5865	173	26T	9.22	9.57	12.41	9.43	9.58	12.27	9.15	9.59	12.38	-	-	-2.77	9.95	30.0	-20.05				
	5885	177	26T	8.96	9.52	12.26	9.39	9.88	12.65	9.39	9.49	12.45	-	-	-2.77	9.88	30.0	-20.12				

Table 7-24. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)												Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index																	
					37			40			43											
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
20MHz BW	1	5180	36	52T	12.59	12.04	15.33	12.92	12.41	15.68	12.77	12.43	15.61	23.98	-8.30	-3.20	12.48	30.0	-17.52			
		5200	40	52T	12.94	12.18	15.59	12.89	12.33	15.63	12.95	12.70	15.60	23.98	-8.35	-3.20	12.43	30.0	-17.57			
		5240	48	52T	6.95	6.22	9.61	6.78	6.32	9.57	6.82	6.42	9.63	23.98	-14.33	-3.20	6.43	30.0	-23.57			
		5260	52	52T	12.64	12.30	15.48	12.92	12.68	15.81	12.46	11.88	15.19	23.98	-8.17	-3.20	11.47	30.0	-18.53			
	2A	5280	56	52T	12.53	12.31	15.43	12.88	12.63	15.71	12.66	12.65	15.77	23.98	-8.21	-3.20	11.43	30.0	-18.57			
		5320	64	52T	12.69	12.31	15.61	12.71	12.36	15.55	12.48	12.59	15.55	23.98	-8.21	-3.20	11.27	30.0	-18.73			
		5500	100	52T	12.54	12.69	15.63	12.89	12.91	15.91	12.41	12.44	15.44	23.98	-8.07	-2.72	11.19	30.0	-18.81			
		5600	120	52T	12.37	12.97	15.69	12.39	12.73	15.57	12.11	12.77	15.46	23.98	-8.29	-2.72	12.97	30.0	-17.03			
	3	5720	144	52T	12.53	12.86	15.71	12.46	12.66	15.59	12.51	12.48	15.51	23.98	-8.27	-2.72	12.99	30.0	-17.01			
		5745	149	52T	12.22	12.78	15.52	12.53	12.86	15.71	12.92	12.98	15.96	30	-14.04	-2.39	13.57	36.0	-22.43			
		5785	157	52T	12.04	12.65	15.37	11.96	12.35	15.17	12.11	12.44	15.29	30	-14.63	-2.39	13.97	36.0	-23.02			
		5825	165	52T	12.31	12.72	15.53	12.08	12.67	15.40	12.39	12.69	15.55	30	-14.45	-2.39	13.16	36.0	-22.84			
4	5845	169	52T	12.19	12.71	15.47	11.97	12.65	15.33	12.29	12.68	15.50	-	-	-2.77	12.73	30.0	-17.27				
	5865	173	52T	11.91	11.65	14.79	12.24	12.55	15.41	12.28	12.57	15.44	-	-	-2.77	12.67	30.0	-17.33				
	5885	177	52T	12.16	12.52	15.36	12.49	12.73	15.62	12.55	12.55	15.52	-	-	-2.77	12.65	30.0	-17.35				

Table 7-25. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index														
					53			54			NA								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
20MHz BW	1	5180	36	106T	14.98	14.19	17.61	14.90	14.33	17.63	23.98	-6.35	-3.20	14.43	30.0	-15.57			
		5200	40	106T	14.98	14.19	17.61	14.91	14.15	17.56	23.98	-6.37	-3.20	14.41	30.0	-15.59			
		5240	48	106T	6.63	0.11	12.39	9.81	9.37	12.61	23.98	-11.37	-3.20	9.40	30.0	-20.60			
		5260	52	106T	14.53	14.23	17.39	14.91	14.69	17.81	23.98	-6.17	-3.20	14.41	30.0	-15.53			
	2A	5280	56	106T	14.43	13.98	17.22	14.88	14.64	17.77	23.98	-6.21	-3.20	14.43	30.0	-15.57			
		5320	64	106T	14.86	14.69	17.79	14.71	14.53	17.63	23.98	-6.19	-3.20	14.43	30.0	-15.55			
		5500	100	106T	14.21	14.53	17.38	14.39	14.73	17.57	23.98	-6.41	-2.72	14.85	30.0	-15.15			
		5600	120	106T	14.41	14.98	17.71	14.33	14.81	17.59	23.98	-6.27	-2.72	15.00	30.0	-15.00			
	3	5720	144	106T	14.37	14.36	17.38	14.87	14.69	17.49	23.98	-6.19	-2.72	14.57	30.0	-15.43			
		5745	149	106T	13.31	13.71	16.52	13.29	13.66	16.49	23.98	-13.48	-2.39	14.14	36.0	-21.86			
		5785	157	106T	13.13	13.60	16.38	13.16	13.63	16.41	23.98	-13.59	-2.39	14.02	36.0	-21.98			
		5825	165	106T	13.19	13.75	16.49	13.33	13.75	16.49	23.98	-13.44	-2.39	14.12	36.0	-21.83			
4	5845	169	106T	13.84	14.59	17.24	14.23	14.66	17.46	23.98	-13.40	-2.39	14.09	36.0	-21.91				
	5865	173	106T	14.08	14.57	17.34	14.15	14.55	17.36	23.98	-	-2.77	14.99	30.0	-15.41				
	5885	177	106T	14.08	14.51	17.32	14.15	14.51	17.36	23.98	-	-2.77	14.99	30.0	-15.41				

Table 7-26. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)												Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index																	
					61			NA			NA											
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
20MHz BW	1	5180	36	242T	14.69	14.11	17.42								23.98	-5.56	-3.20	14.22	30.0	-15.78		
		5200	40	242T	14.61	14.11	17.38								23.98	-6.40	-3.20	13.80	30.0	-13.80		
		5240	48	242T	11.53	11.01	14.29								23.98	-6.69	-3.20	11.08	30.0	-18.92		
	2A	5260	48	242T	14.68	14.34	17.53								23.98	-5.46	-3.34	14.18	30.0	-16.52		
		5280	56	242T	14.61	14.35	17.49								23.98	-6.49	-3.44	13.15	30.0	-16.85		
		5320	64	242T	14.95	14.69	17.83								23.98	-6.15	-4.34	13.49	30.0	-16.51		
	2C	5500	100	242T	14.59	14.73	17.67								23.98	-7.23	-4.93	13.95	30.0	-16.05		
		5600	120	242T	14.04	14.79	17.44								23.98	-6.54	-4.72	14.77	30.0	-15.29		
		5720	144	242T	14.53	14.66	17.51								23.98	-6.47	-7.72	14.94	30.0	-15.21		
	3	7450	149	242T	14.88	14.43	18.88								23.98	-16.33	-14.28	14.28	30.0	-27.74		
		5788	157	242T	13.29	13.77	16.55								30	-3.45	-2.99	14.16	36.0	-21.84		
		7632	165	242T	13.29	13.67	16.87								30	-13.49	-12.91	14.21	36.0	-22.70		
4	5849	169	242T	14.33	14.86	17.61								30	-7.77	-15.16	14.84	30.0	-15.16			
	5855	173	242T	14.33	14.73	17.54								30	-7.77	-14.77	14.77	30.0	-15.23			
	5867	177	242T	14.63	14.93	17.38								30	-7.77	-14.61	14.61	30.0	-15.39			

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index														
					67			NA			NA								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1	5210	42	996T	996T	9.04	8.56	11.82						23.98	-12.16	-3.20	8.61	30.0	-21.39	
2A	5290	58	996T	996T	8.96	8.55	11.77						23.98	-12.21	-4.34	7.48	30.0	-22.57	
	5350	106	996T	996T	11.11	11.11	14.12						23.98	-9.86	-2.72	11.40	30.0	-18.60	
2C	5610	122	996T	996T	11.24	11.15	14.21						23.98	-9.77	-2.72	11.49	30.0	-18.51	
	5690	138	996T	996T	11.08	10.98	14.04						23.98	-9.94	-2.72	11.32	30.0	-18.68	
3	5775	155	996T	996T	12.33	12.63	15.49						30	-14.51	-2.39	13.10	36.0	-22.90	
4	5855	171	996T	996T	12.44	12.95	15.51							-2.77	12.73	30.0	-17.27		

Table 7-29. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					RU Index														
					68			NA			NA								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1/2A	5250	50	2x996T	9.82	9.82	12.59							23.98	-11.39	-3.20	9.38	30.0	-20.62	
2C	5570	114	2x996T	11.85	12.10	14.99							23.98	-8.99	-2.72	12.27	30.0	-17.73	
3/4	5815	163	2x996T	14.28	14.48	17.39							-	-	-2.77	14.62	30.0	-15.38	

Table 7-30. MIMO 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

B W Channel	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)												Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dB]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					MRU Index																	
					71						NA											
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO									
1	5200	40	52T		12.63	12.17	15.42							23.98	-8.56	-3.20	12.21	30.0	-17.79			
2A	5380	56	52T		12.67	12.48	15.54							23.98	-8.44	-4.34	11.20	30.0	-18.80			
2C	5600	120	52T		12.29	12.58	15.45							23.98	-8.53	-2.72	12.73	30.0	-17.27			
3	5785	157	52T		12.14	12.48	15.32							30	-14.68	-2.39	12.93	36.0	-23.07			
4	5865	173	52T		12.44	12.69	15.58							-	-	-2.77	12.80	30.0	-17.20			

Table 7-31. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (52 + 26 Tones)

MRU Channel 2	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					MRU Index														
					82			83			NA								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1	5200	40	106T	106T	14.73	14.28	17.52	14.62	14.18	17.42			23.98	-6.46	-3.20	14.32	30.0	-15.68	
2A	5280	56	106T	106T	14.74	14.42	17.59	14.69	14.15	17.44			23.98	-6.39	-4.34	13.25	30.0	-16.75	
2C	5600	120	106T	106T	14.03	14.44	17.25	14.52	14.95	17.75			23.98	-6.23	-2.72	15.03	30.0	-14.97	
3	5785	157	106T	106T	14.05	14.55	17.32	14.11	14.56	17.35			30	-12.65	-2.39	14.96	36.0	-21.04	
4	5865	173	106T	106T	14.19	14.53	17.37	14.21	14.51	17.37			30		-2.77	14.60	30.0	-15.40	

Table 7-32. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (106 + 26 Tones)

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dbm)									Conducted Power Limit [dbm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					MRU Index														
					90			91			NA								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1	5210	42	484+242T	996T	14.71	14.19	17.47	14.89	14.55	17.73				23.98	-6.25	-3.20	14.53	30.0	-15.47
2A	5390	58	484+242T	996T	14.78	14.15	17.49	14.55	14.21	17.39				23.98	-6.49	-4.34	13.15	30.0	-16.85
	5530	106	484+242T	996T	14.28	14.33	17.32	14.89	14.74	17.83				23.98	-6.15	-2.72	15.11	30.0	-14.89
	5610	122	484+242T	996T	14.34	14.95	17.67	14.19	14.99	17.40				23.98	-6.31	-2.72	14.95	30.0	-15.05
	5690	138	484+242T	996T	14.79	14.62	17.72	14.64	14.54	17.60				23.98	-6.26	-2.72	15.00	30.0	-15.00
3	5775	155	484+242T	996T	14.48	14.95	17.73	14.49	14.82	17.67				30	-12.27	-2.39	15.34	36.0	-20.66
4	5855	171	484+242T	996T	14.51	14.95	17.75	14.45	14.85	17.67						-2.77	14.97	30.0	-15.03

Table 7-33. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (484 + 242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)												Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Dir. Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
					MRU Index																	
					94			95			NA											
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO									
1/2A	5250	50	996+484T		14.77	14.28	17.54	14.61	14.19	17.42				23.98	-5.44	-3.20	14.34	30.0	-15.66			
2C	5570	114	996+484T		14.04	14.59	17.33	14.22	14.77	17.51				23.98	-6.47	-2.72	14.79	30.0	-15.21			
3/4	5815	163	996+484T		14.71	14.96	17.85	14.99	14.69	17.55				-	-	-2.77	15.07	30.0	-14.93			

Table 7-34. MIMO 160MHz BW (UNII) Maximum Conducted Output Power (996 + 484 Tones)

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Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 1 and Antenna 2 were first measured separately during MIMO transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

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

Sample MIMO Calculation:

At 5180MHz in 802.11be (20MHz BW) mode, the average conducted output power was measured to be 9.94 dBm for Antenna 1 and 9.14 dBm for Antenna 2.

Antenna 1 + Antenna 2 = MIMO

$$(9.94 \text{ dBm} + 9.14 \text{ dBm}) = (9.86 \text{ mW} + 8.20 \text{ mW}) = 18.07 \text{ mW} = 12.57 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11be (20MHz BW) mode, the average MIMO conducted power was calculated to be 12.57 dBm with directional gain of -3.2 dBi.

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

$$12.57 \text{ dBm} + -3.20 \text{ dBi} = 9.36 \text{ dBm}$$

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7.5 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.

The output power density limits are as specified in the tables below.

UNII Band	Frequency Range	Maximum Conducted Power Limit
		FCC
UNII 1	5.15 – 5.25GHz	11dBm/MHz
UNII 2A	5.25 – 5.35GHz	
UNII 2C	5.47 – 5.725GHz	
UNII 3	5.725 – 5.850GHz	30dBm/500kHz
UNII 4	5.850 – 5.895GHz	14dBm/MHz e.i.r.p

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2 (Method SA-1)

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 7-4. Test Instrument & Measurement Setup

Test Notes

The power spectral density for each channel was measured with the RU index showing the highest conducted power.

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Summed MIMO Power Spectral Density Measurements

	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 1	5180	be (20MHz)	36	5.60	6.57	9.12	11.00	-1.88
	5200	be (20MHz)	40	5.52	4.36	7.99	11.00	-3.01
	5240	be (20MHz)	48	6.29	4.97	8.69	11.00	-2.31
	5190	be (40MHz)	38	5.88	6.33	9.12	11.00	-1.88
	5230	be (40MHz)	46	5.76	5.94	8.86	11.00	-2.14
	5210	be (80MHz)	42	5.58	5.71	8.66	11.00	-2.34
Band 1/2A	5250	be (160MHz)	50	4.75	5.25	8.01	11.00	-2.99
Band 2A	5260	be (20MHz)	52	6.66	5.09	8.96	11.00	-2.04
	5280	be (20MHz)	56	6.81	5.77	9.33	11.00	-1.67
	5320	be (20MHz)	64	7.36	6.34	9.89	11.00	-1.11
	5270	be (40MHz)	54	4.99	5.51	8.26	11.00	-2.74
	5310	be (40MHz)	62	5.74	6.45	9.12	11.00	-1.88
	5290	be (80MHz)	58	5.03	5.23	8.14	11.00	-2.86
Band 2C	5500	be (20MHz)	100	7.09	6.67	9.90	11.00	-1.10
	5600	be (20MHz)	120	6.23	5.71	8.99	11.00	-2.01
	5720	be (20MHz)	144	7.15	7.23	10.20	11.00	-0.80
	5510	be (40MHz)	102	7.07	6.94	10.02	11.00	-0.98
	5590	be (40MHz)	118	6.18	6.22	9.21	11.00	-1.79
	5710	be (40MHz)	142	7.24	7.14	10.20	11.00	-0.80
	5530	be (80MHz)	106	6.63	6.87	9.76	11.00	-1.24
	5610	be (80MHz)	122	4.80	5.23	8.03	11.00	-2.97
	5690	be (80MHz)	138	7.21	7.14	10.19	11.00	-0.81
	5570	be (160MHz)	114	6.68	6.58	9.64	11.00	-1.36

Table 7-35. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements MIMO (26 Tones)

	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 3	5745	be (20MHz)	149	4.81	4.36	7.60	28.28	-20.68
	5785	be (20MHz)	157	4.54	4.04	7.31	28.28	-20.97
	5825	be (20MHz)	165	4.20	3.59	6.91	28.28	-21.37
	5755	be (40MHz)	151	5.01	4.94	7.98	28.28	-20.30
	5795	be (40MHz)	159	4.82	3.96	7.42	28.28	-20.86
	5775	be (80MHz)	155	5.34	3.92	7.70	28.28	-20.58

Table 7-36. Band 3 MIMO Conducted Power Spectral Density Measurements MIMO (26 Tones)

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	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	Antenna Gain [dBi]	MIMO Summed EIRP PSD [dBm]	Max EIRP PSD [dBm]	Margin [dB]
Band 3/4	5845	be (20MHz)	169	6.91	6.63	-2.77	7.01	14.00	-6.99
Band 4	5865	be (20MHz)	173	6.26	6.09	-2.77	6.41	14.00	-7.59
	5885	be (20MHz)	177	5.95	5.51	-2.77	5.98	14.00	-8.02
Band 3/4	5835	be (40MHz)	167	6.00	5.77	-2.77	6.13	14.00	-7.87
Band 4	5875	be (40MHz)	175	5.89	5.45	-2.77	5.92	14.00	-8.08
Band 3/4	5855	be (80MHz)	171	5.52	4.54	-2.77	5.30	14.00	-8.70
Band 4	5815	be (160MHz)	163	6.08	6.02	-2.77	6.29	14.00	-7.71

Table 7-37. Bands 3/4 MIMO Conducted Power Spectral Density Measurements MIMO (26 Tones)

	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 1	5180	be (20MHz)	36	3.87	2.70	0.25	6.58	11.00	-4.42
	5200	be (20MHz)	40	3.55	2.75	0.25	6.43	11.00	-4.57
	5240	be (20MHz)	48	3.33	2.68	0.25	6.27	11.00	-4.73
	5190	be (40MHz)	38	0.92	-0.16	0.45	3.87	11.00	-7.13
	5230	be (40MHz)	46	0.44	-0.42	0.45	3.49	11.00	-7.51
	5210	be (80MHz)	42	-2.11	-3.04	0.27	0.73	11.00	-10.27
Band 1/2A	5250	be (160MHz)	50	-4.65	-4.37	0.45	-1.05	11.00	-12.05
Band 2A	5260	be (20MHz)	52	3.79	2.76	0.25	6.56	11.00	-4.44
	5280	be (20MHz)	56	3.62	2.66	0.25	6.43	11.00	-4.57
	5320	be (20MHz)	64	3.69	3.79	0.25	7.00	11.00	-4.00
	5270	be (40MHz)	54	1.27	-0.21	0.45	4.05	11.00	-6.95
	5310	be (40MHz)	62	1.02	-0.12	0.45	3.95	11.00	-7.05
	5290	be (80MHz)	58	-1.82	-2.75	0.27	1.02	11.00	-9.98
Band 2C	5500	be (20MHz)	100	4.07	3.87	0.25	7.23	11.00	-3.77
	5600	be (20MHz)	120	3.83	3.74	0.25	7.04	11.00	-3.96
	5720	be (20MHz)	144	4.24	3.44	0.25	7.12	11.00	-3.88
	5510	be (40MHz)	102	1.42	0.63	0.45	4.51	11.00	-6.49
	5590	be (40MHz)	118	1.44	1.07	0.45	4.72	11.00	-6.28
	5710	be (40MHz)	142	1.55	0.59	0.12	4.23	11.00	-6.77
	5530	be (80MHz)	106	-1.30	-1.80	0.27	1.74	11.00	-9.26
	5610	be (80MHz)	122	-1.18	-1.43	0.27	1.98	11.00	-9.02
	5690	be (80MHz)	138	-1.06	-2.13	0.27	1.72	11.00	-9.28
	5570	be (160MHz)	114	-4.12	-3.88	0.45	-0.53	11.00	-11.53

Table 7-38. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements MIMO (Full Tones)

	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 3	5745	be (20MHz)	149	1.78	1.38	0.25	4.85	28.28	-23.43
	5785	be (20MHz)	157	1.04	0.71	0.25	4.14	28.28	-24.14
	5825	be (20MHz)	165	1.05	0.96	0.25	4.27	28.28	-24.01
	5755	be (40MHz)	151	-1.20	-1.93	0.45	1.91	28.28	-26.37
	5795	be (40MHz)	159	-1.40	-2.26	0.45	1.65	28.28	-26.63
	5775	be (80MHz)	155	-3.69	-4.91	0.27	-0.97	28.28	-29.25

Table 7-39. Band 3 MIMO Conducted Power Spectral Density Measurements MIMO (Full Tones)

FCC ID: A3LSMX920	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet		Page 86 of 180

	Frequency [MHz]	802.11 MODE	Channel	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	Antenna Gain [dBi]	MIMO Summed EIRP PSD [dBm]	Max EIRP PSD [dBm]	Margin [dB]
Band 3/4	5845	be (20MHz)	169	4.02	3.76	0.25	-2.77	4.38	14.00	-9.62
Band 4	5865	be (20MHz)	173	3.58	3.91	0.25	-2.77	4.24	14.00	-9.76
	5885	be (20MHz)	177	4.06	4.05	0.25	-2.77	4.54	14.00	-9.46
Band 3/4	5835	be (40MHz)	167	1.44	1.47	0.45	-2.77	2.15	14.00	-11.85
Band 4	5875	be (40MHz)	175	1.43	1.23	0.45	-2.77	2.02	14.00	-11.98
Band 3/4	5855	be (80MHz)	171	-1.34	-2.03	0.27	-2.77	-1.16	14.00	-15.16
	5815	be (160MHz)	163	-4.96	-4.44	0.45	-2.77	-4.00	14.00	-18.00

Table 7-40. Bands 3/4 MIMO Conducted Power Spectral Density Measurements MIMO (Full Tones)

	Frequency [MHz]	802.11 MODE	Channel	MRU Configuration	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 1	5200	be (20MHz)	40	52+26T	4.25	3.57	0.09	7.02	11.00	-3.98
	5200	be (20MHz)	40	106+26T	4.16	3.79	0.24	7.23	11.00	-3.77
	5210	be (80MHz)	42	484+242T	-1.59	-2.89	0.58	1.40	11.00	-9.60
Band 1/2A	5250	be (160MHz)	50	996+484T	-5.50	-5.98	0.37	-2.35	11.00	-13.35
Band 2A	5280	be (20MHz)	56	52+26T	4.47	3.57	0.09	7.15	11.00	-3.85
	5280	be (20MHz)	56	106+26T	4.26	3.35	0.24	7.08	11.00	-3.92
	5290	be (80MHz)	58	484+242T	-2.57	-3.47	0.58	0.60	11.00	-10.40
Band 2C	5600	be (20MHz)	120	52+26T	5.26	5.28	0.09	8.37	11.00	-2.63
	5600	be (20MHz)	120	106+26T	4.73	4.32	0.24	7.78	11.00	-3.22
	5610	be (80MHz)	122	484+242T	-10.67	-1.76	0.58	-0.65	11.00	-11.65
	5570	be (160MHz)	114	996+484T	-4.97	-4.51	0.37	-1.35	11.00	-12.35

Table 7-41. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements MIMO (MRU)

	Frequency [MHz]	802.11 MODE	Channel	MRU Configuration	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	MIMO Summed PSD [dBm]	Max Conducted PSD [dBm]	Margin [dB]
Band 3	5785	be (20MHz)	157	52+26T	2.58	1.78	0.09	5.30	30.00	-24.70
	5785	be (20MHz)	157	106+26T	2.41	1.51	0.24	5.24	30.00	-24.76
	5775	be (80MHz)	155	484+242T	-13.80	-4.58	0.58	-3.51	30.00	-33.51

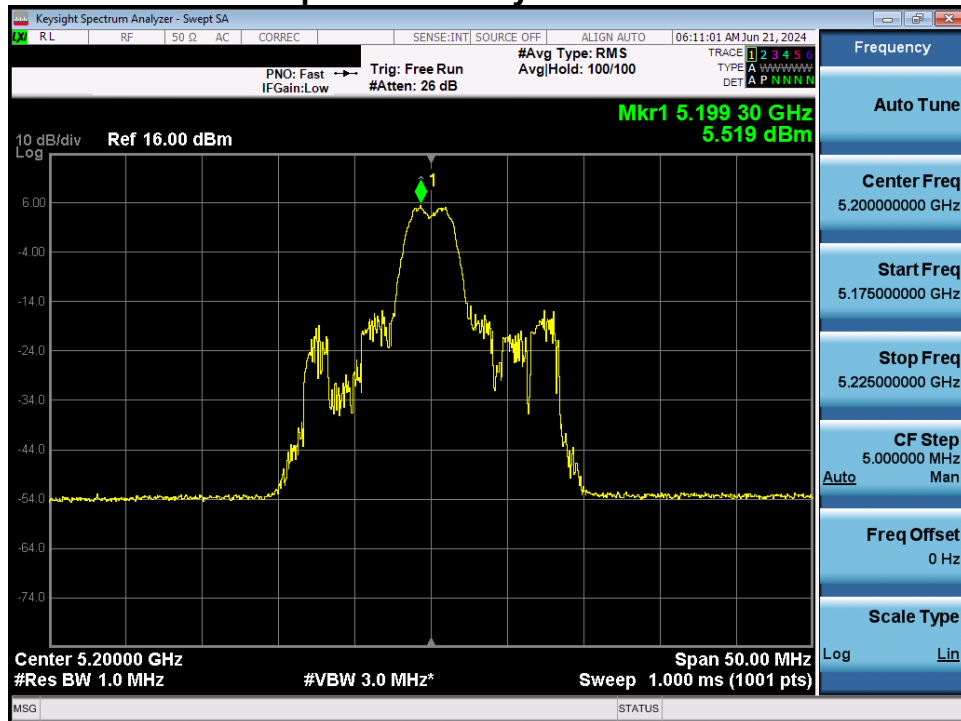
Table 7-42. Band 3 MIMO Conducted Power Spectral Density Measurements MIMO (MRU)

	Frequency [MHz]	802.11 MODE	Channel	MRU Configuration	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	DCCF [dB]	Antenna Gain [dBi]	MIMO Summed EIRP PSD [dBm]	Max EIRP PSD [dBm]	Margin [dB]
Band 4	5865	be (20MHz)	173	52+26T	5.59	5.88	0.09	-2.77	6.07	14.00	-7.93
	5865	be (20MHz)	173	106+26T	5.06	5.05	0.24	-2.77	5.53	14.00	-8.47
Band 3/4	5775	be (80MHz)	171	484+242T	-1.12	-1.36	0.58	-2.39	-0.04	14.00	-14.04
	5815	be (160MHz)	163	996+484T	-4.73	-4.88	0.37	-2.39	-3.81	14.00	-17.81

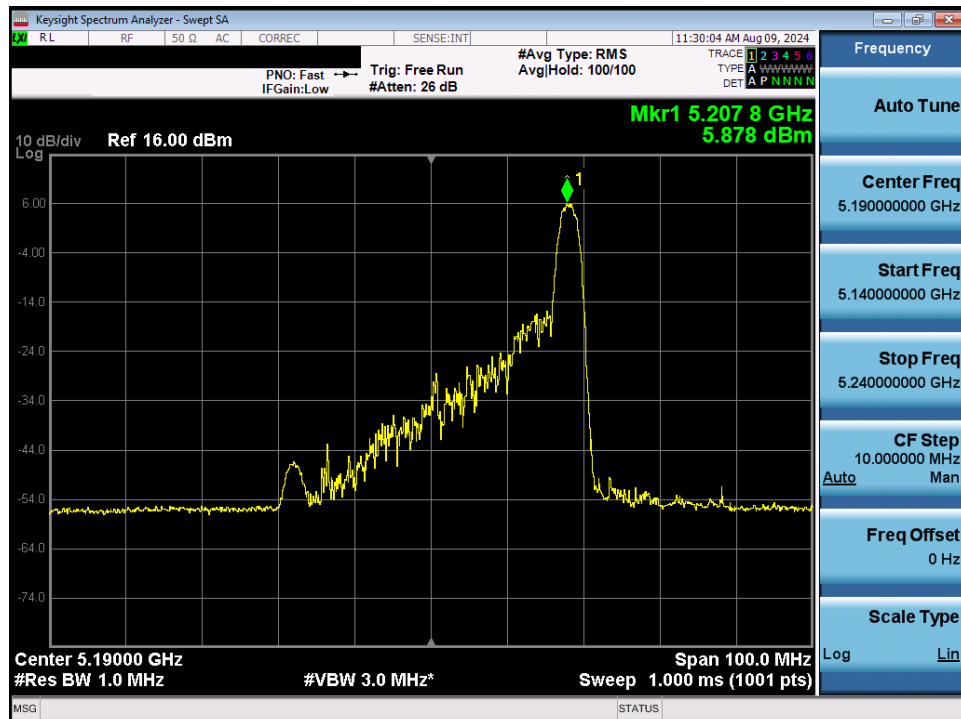
Table 7-43. Bands 3/4 MIMO Conducted Power Spectral Density Measurements MIMO (MRU)

FCC ID: A3LSMX920	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet		Page 87 of 180

7.5.1 MIMO Antenna-1 Power Spectral Density Measurements

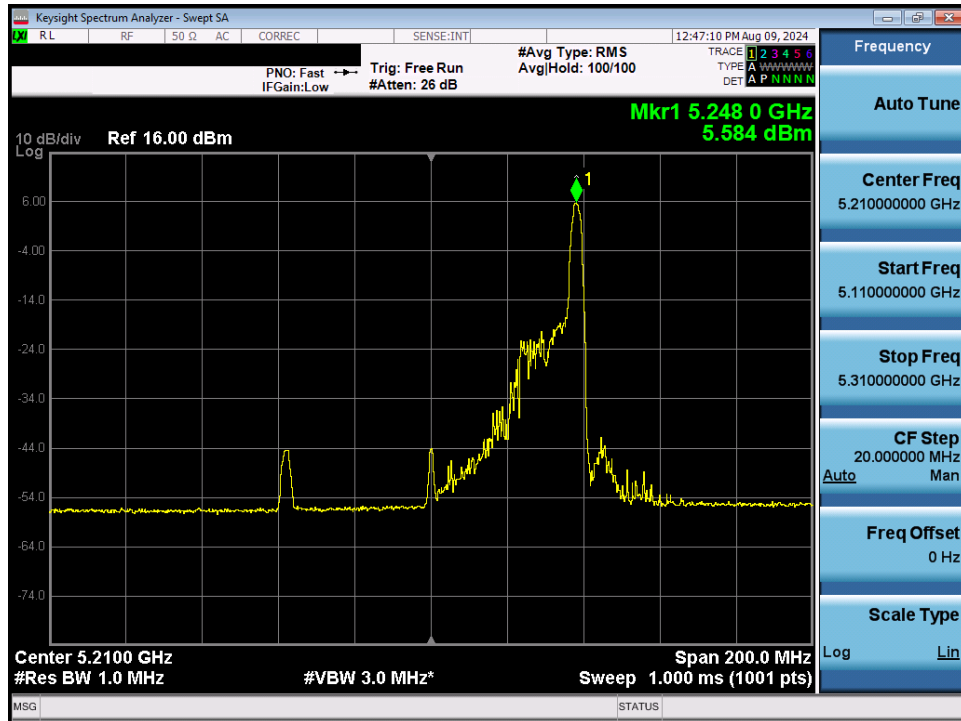


Plot 7-109. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 40)

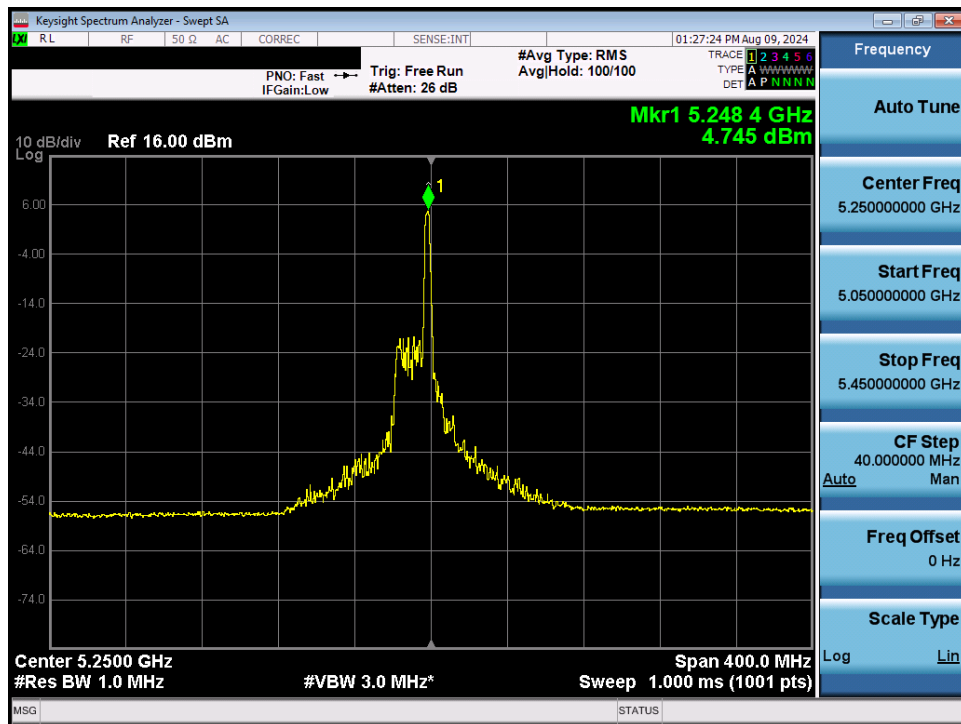


Plot 7-110. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 88 of 180

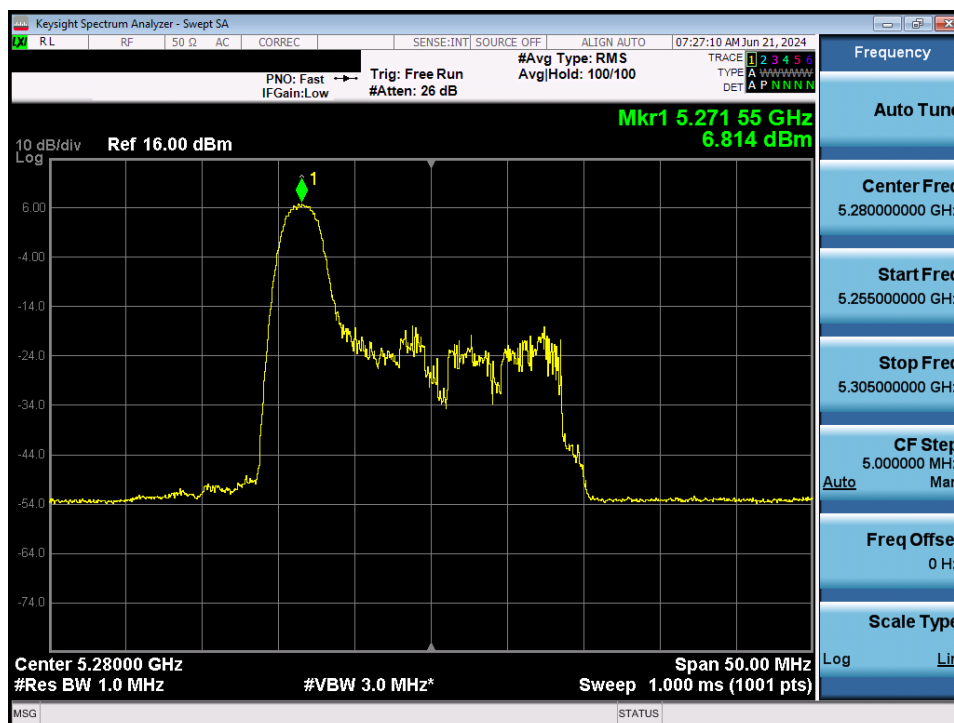


Plot 7-111. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 42)

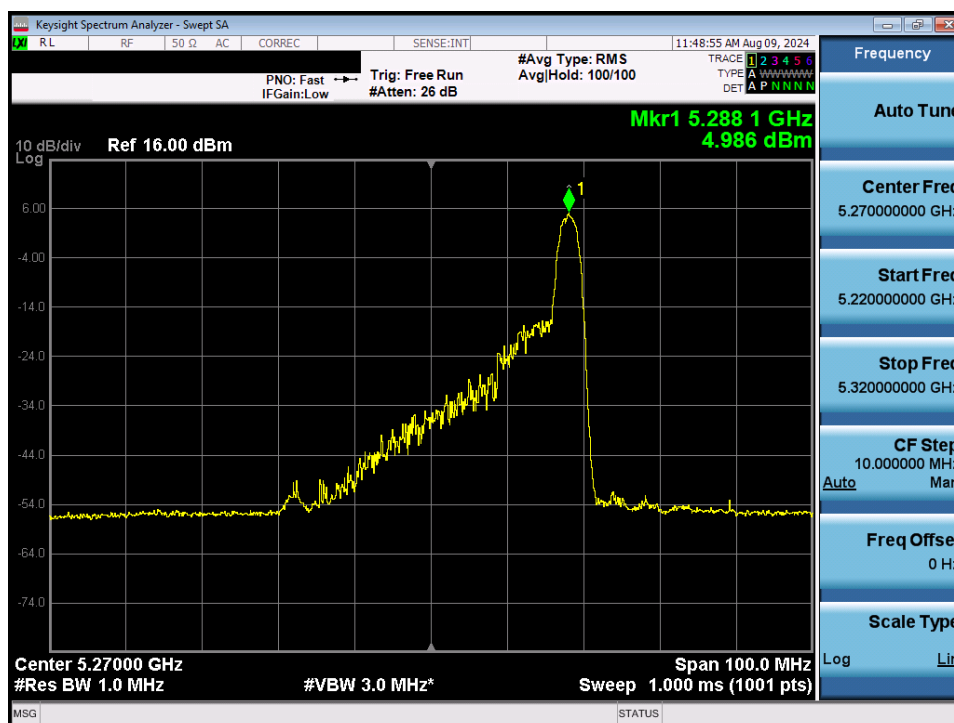


Plot 7-112. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 26 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 89 of 180

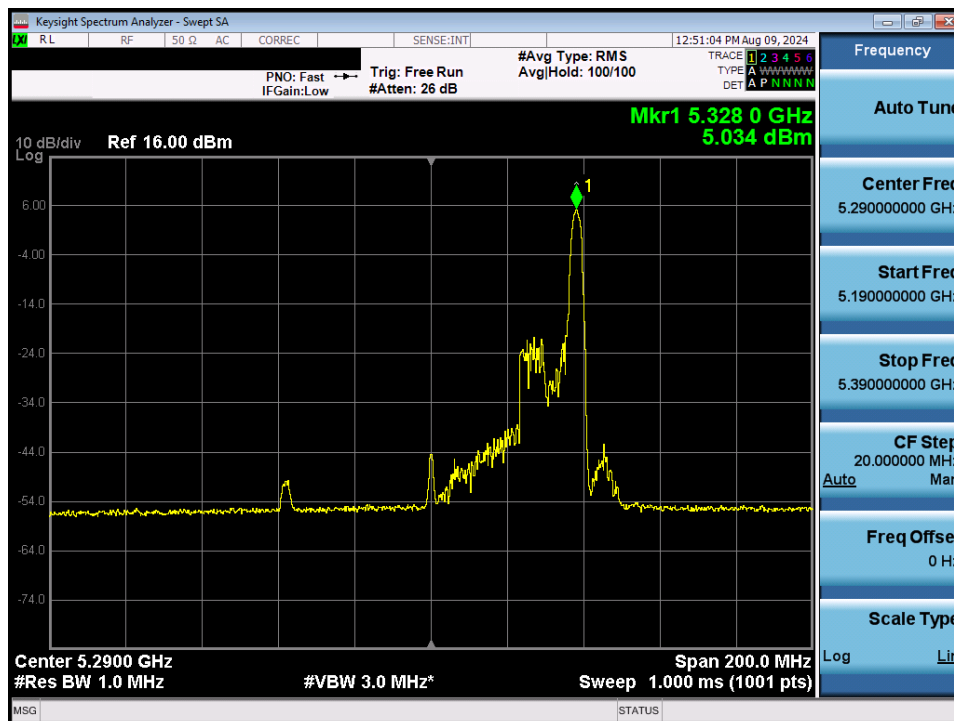


Plot 7-113. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 56)

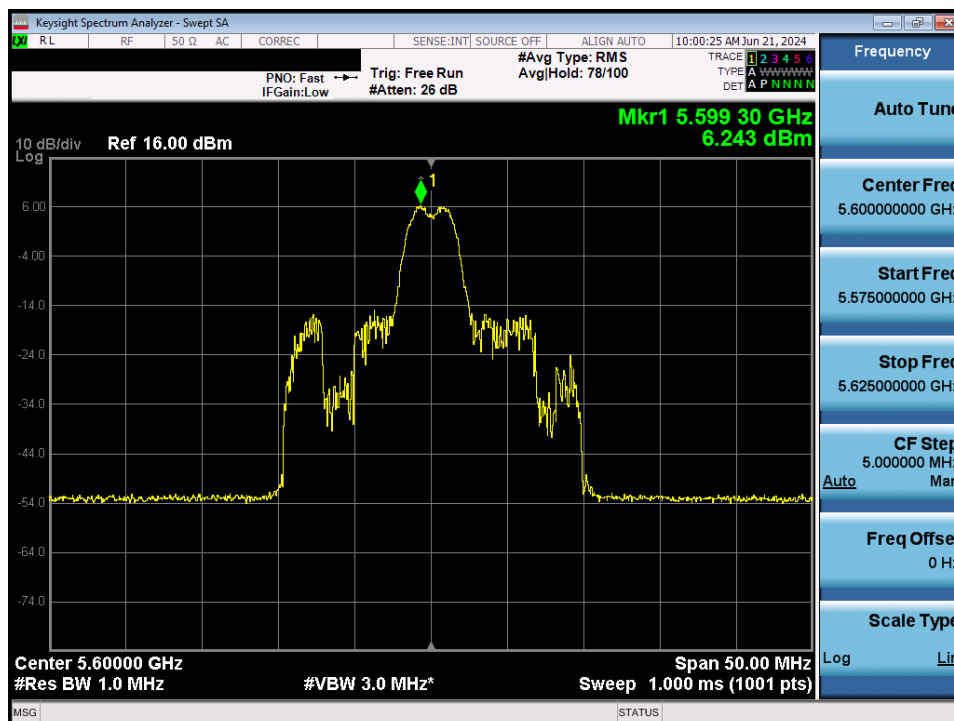


Plot 7-114. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 90 of 180

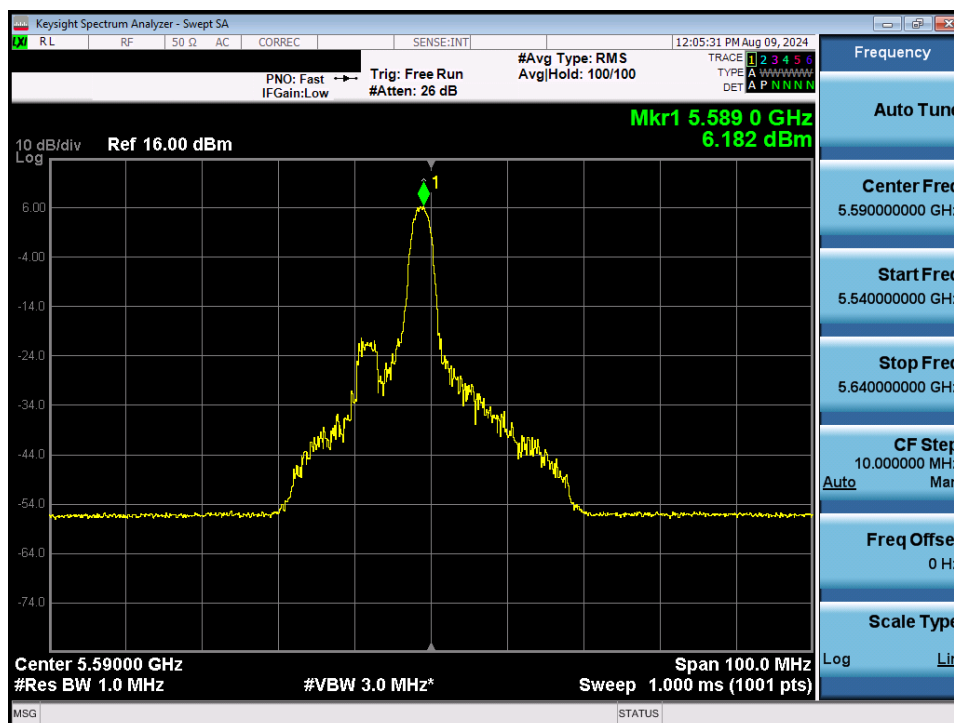


Plot 7-115. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 58)

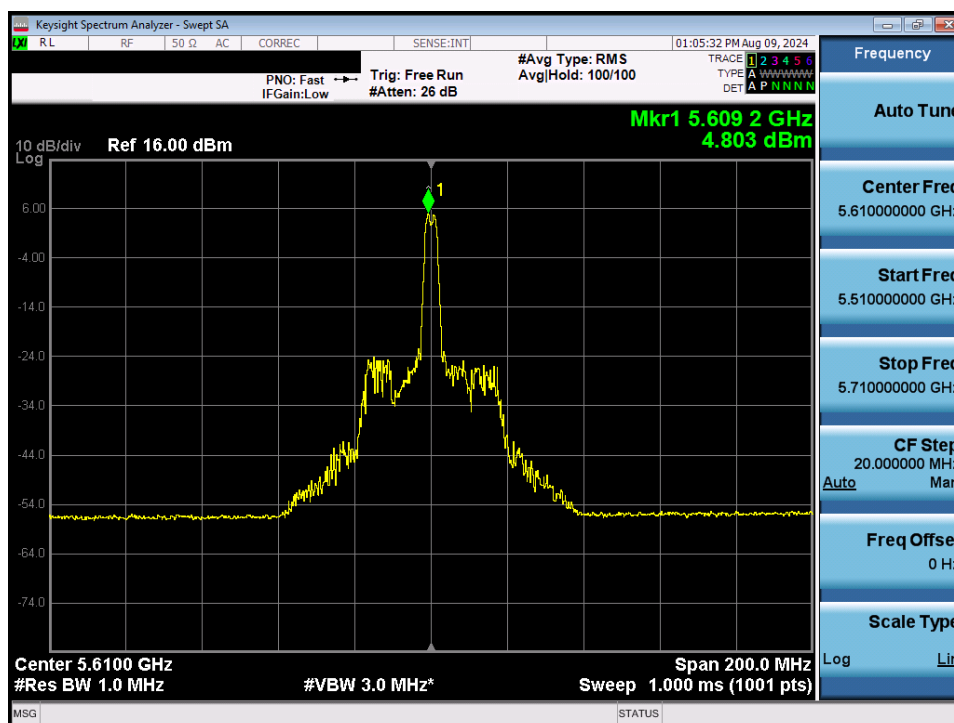


Plot 7-116. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 91 of 180

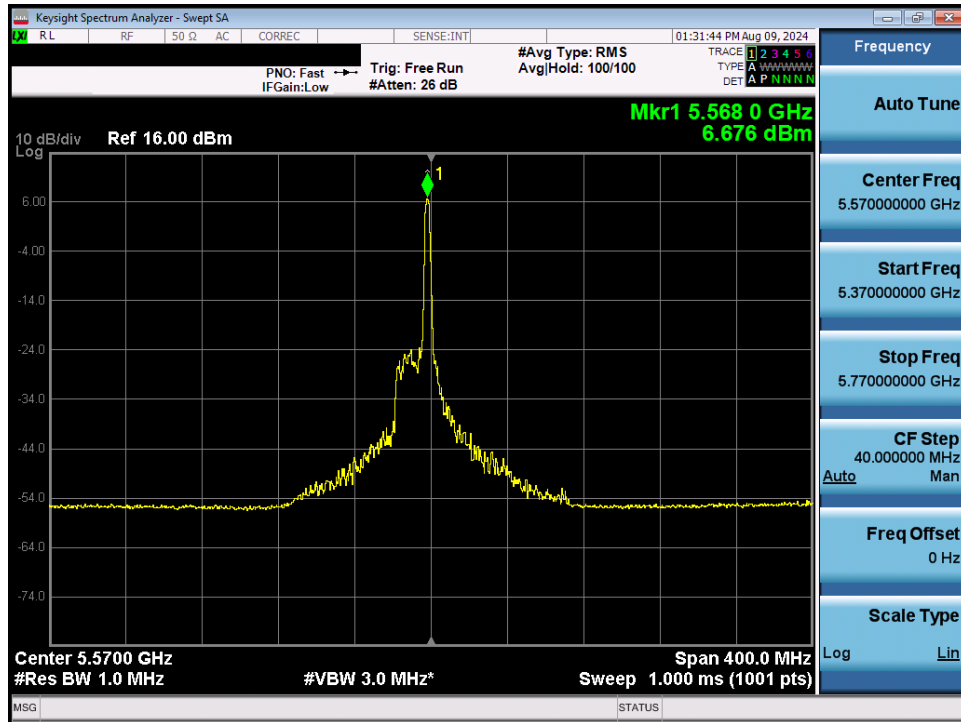


Plot 7-117. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 118)



Plot 7-118. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 92 of 180



Plot 7-119. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 114)

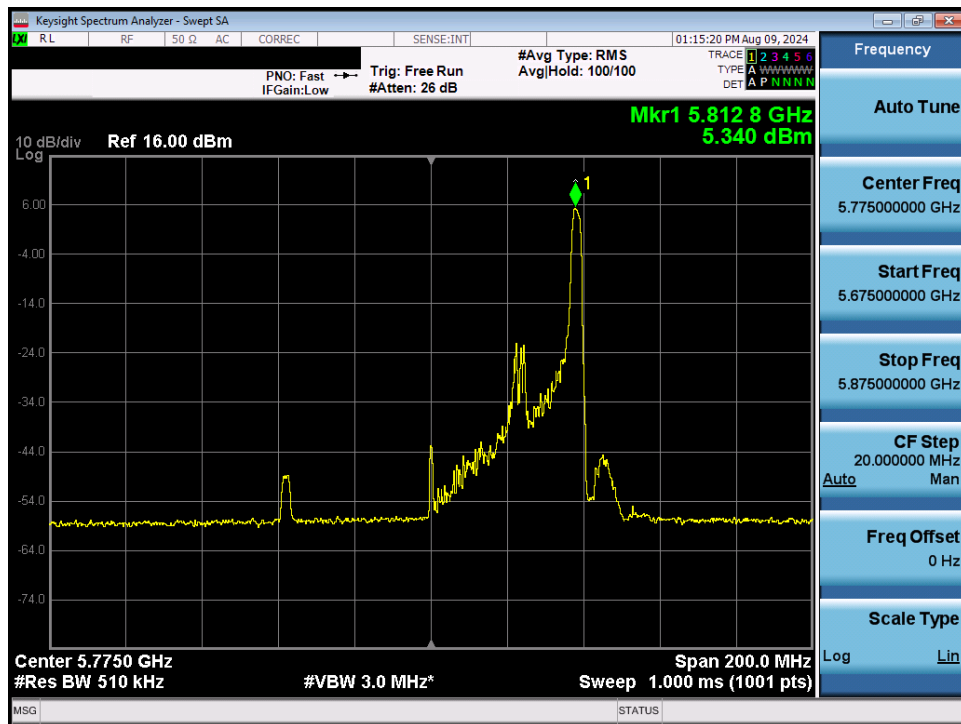


Plot 7-120. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 93 of 180

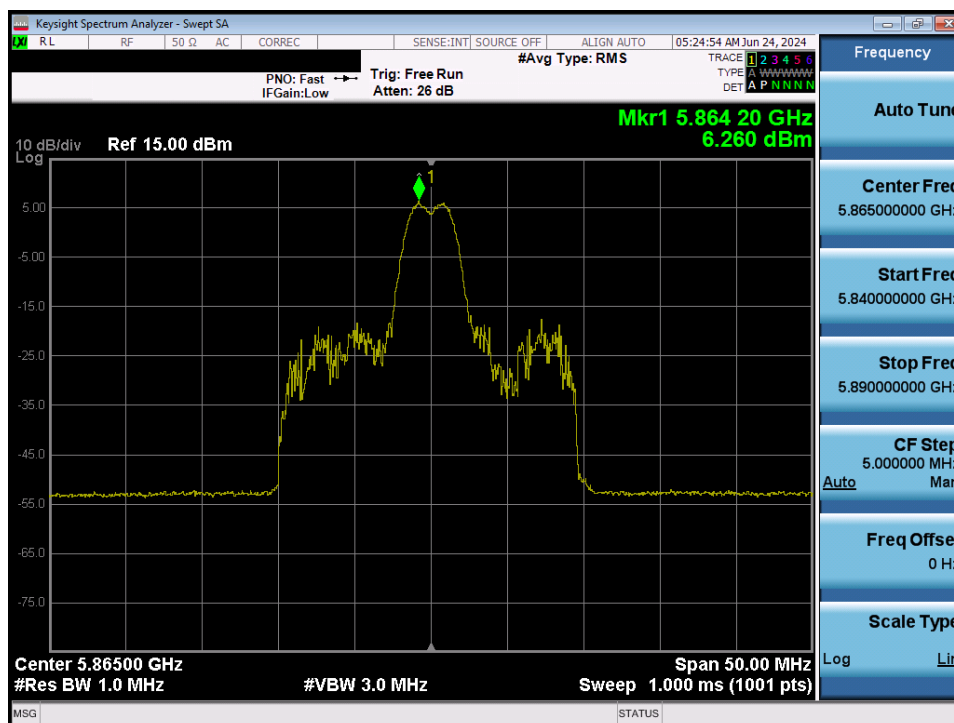


Plot 7-121. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 151)

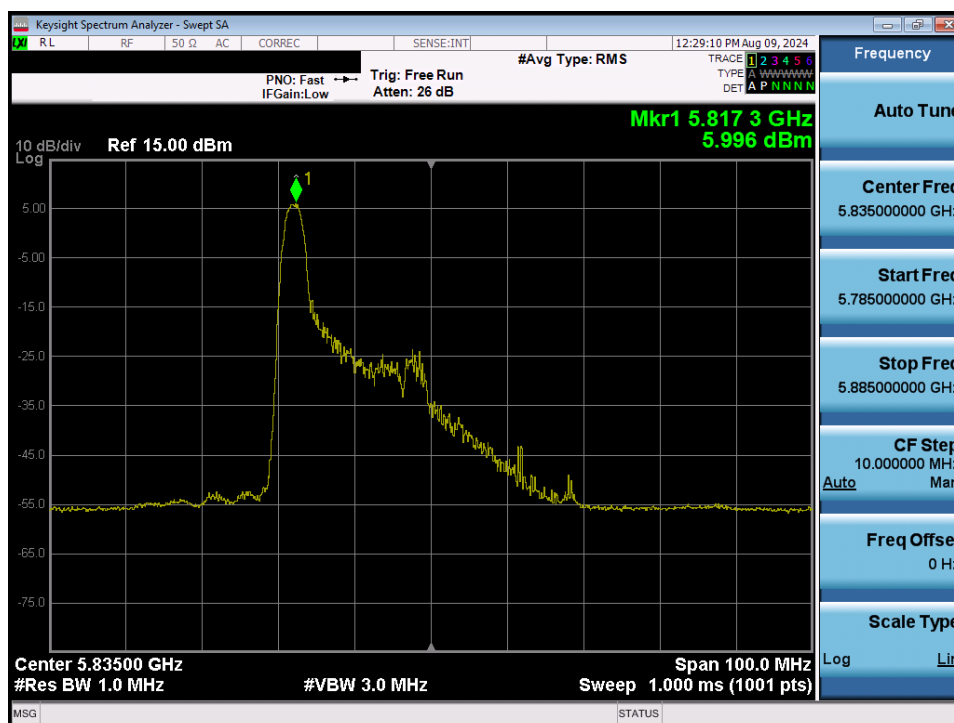


Plot 7-122. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 94 of 180

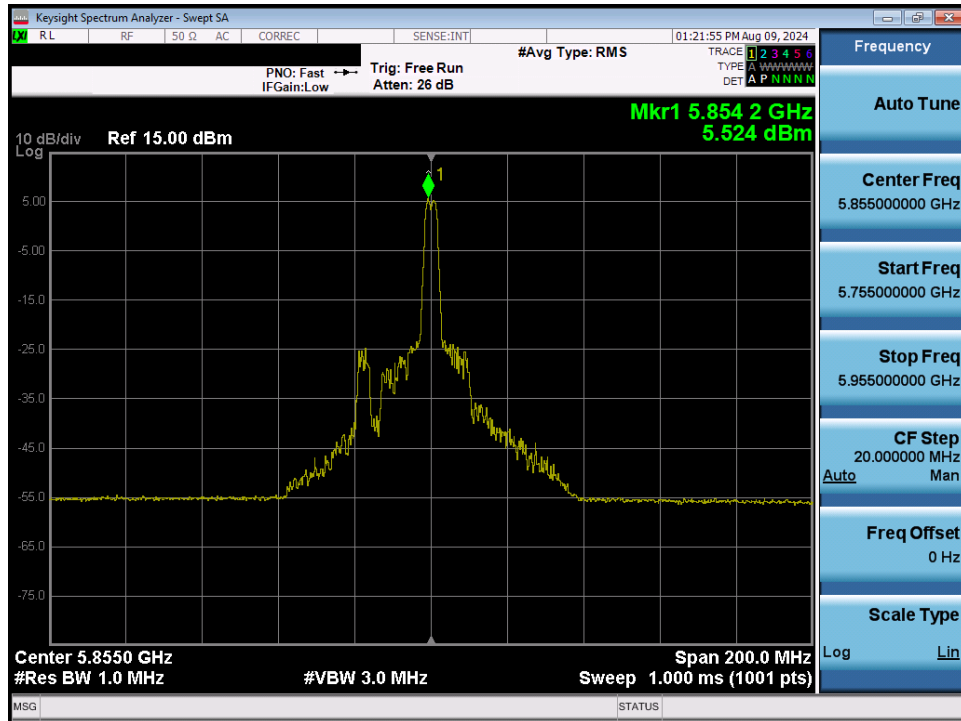


Plot 7-123. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 26 Tones (UNII Band 4) – Ch. 173)

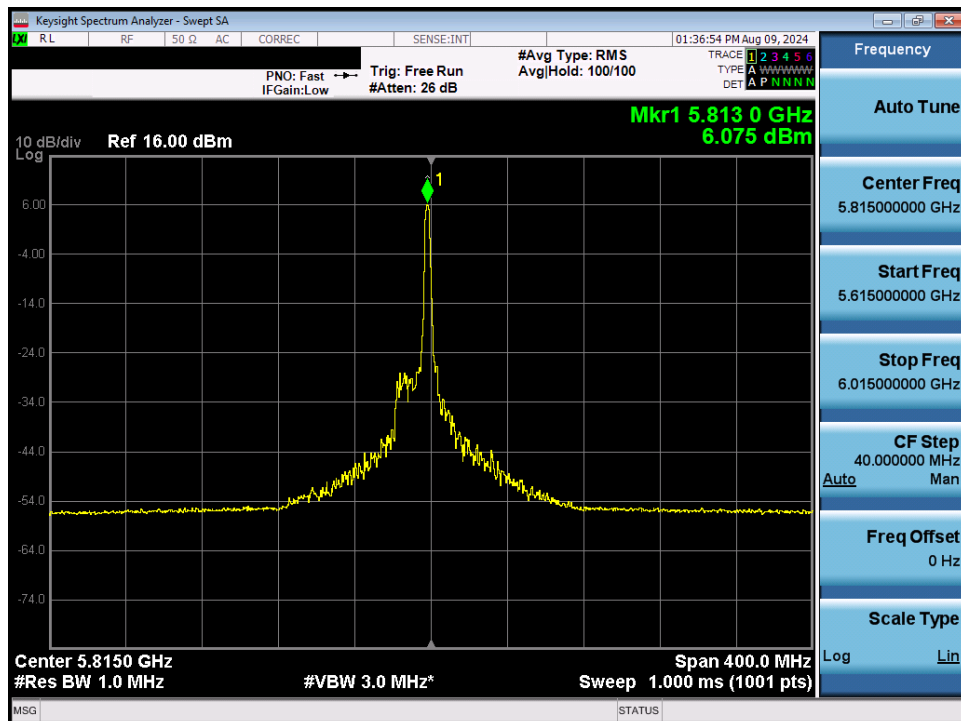


Plot 7-124. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 95 of 180

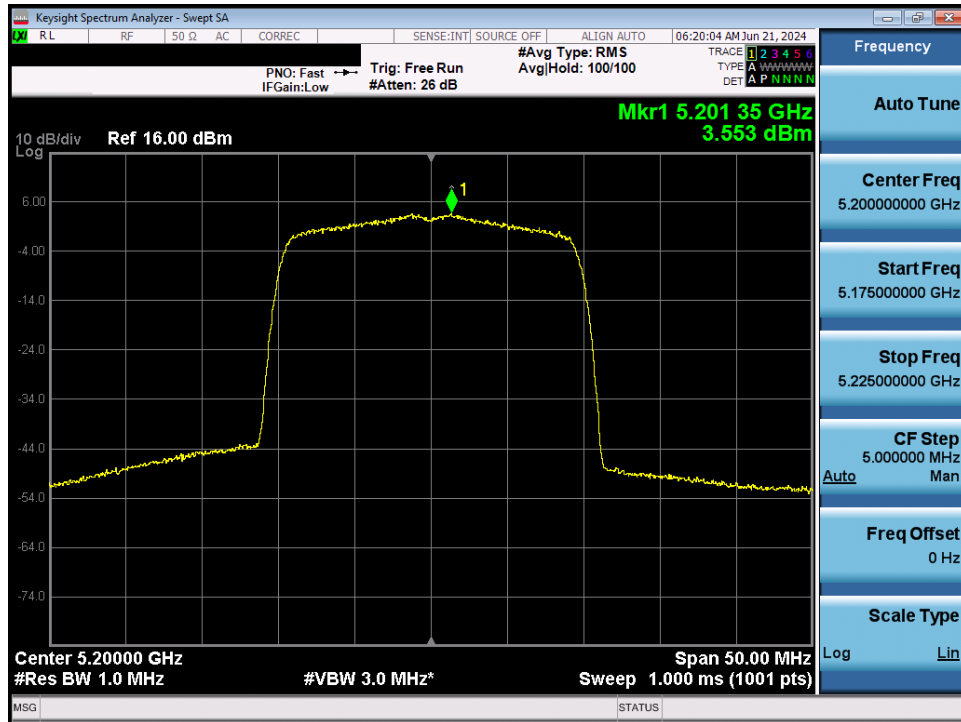


Plot 7-125. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 171)

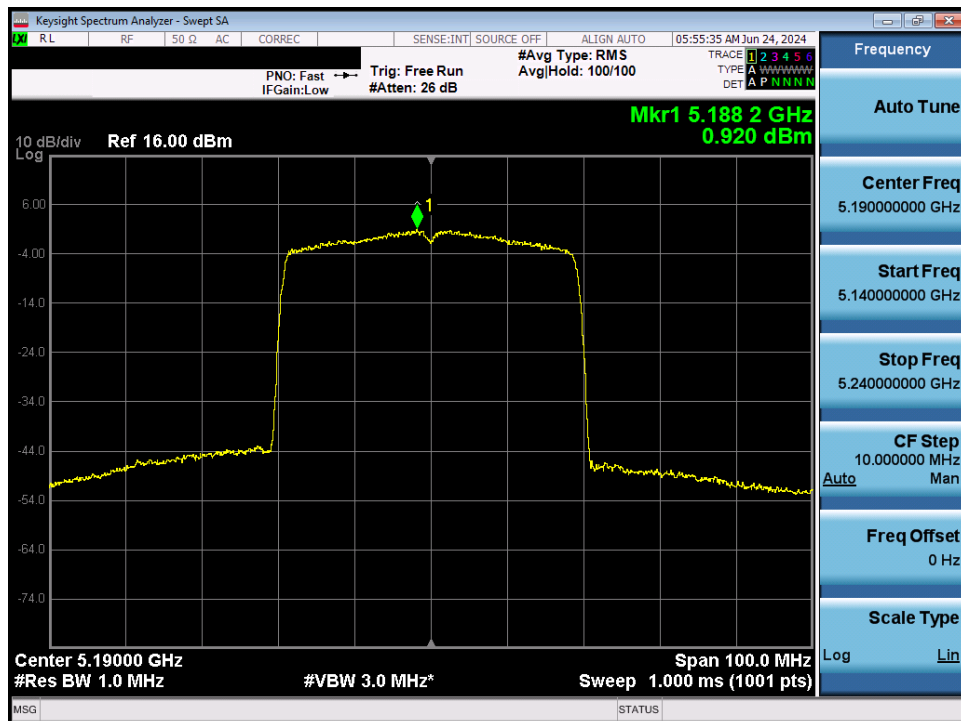


Plot 7-126. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 96 of 180

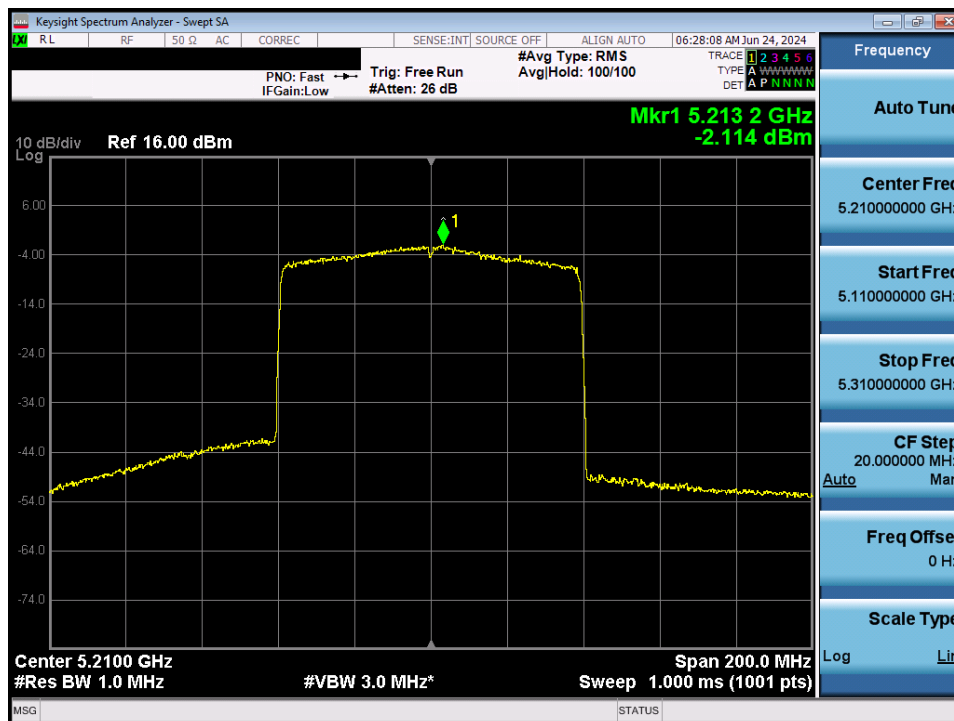


Plot 7-127. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 242 Tones (UNII Band 1) – Ch. 40)

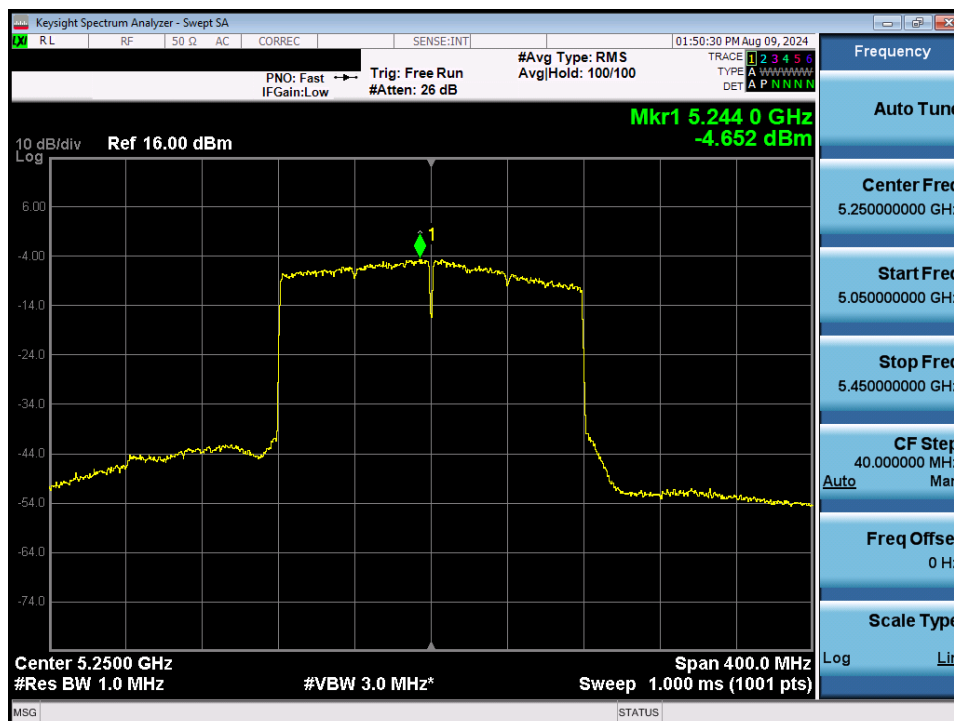


Plot 7-128. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 484 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 97 of 180

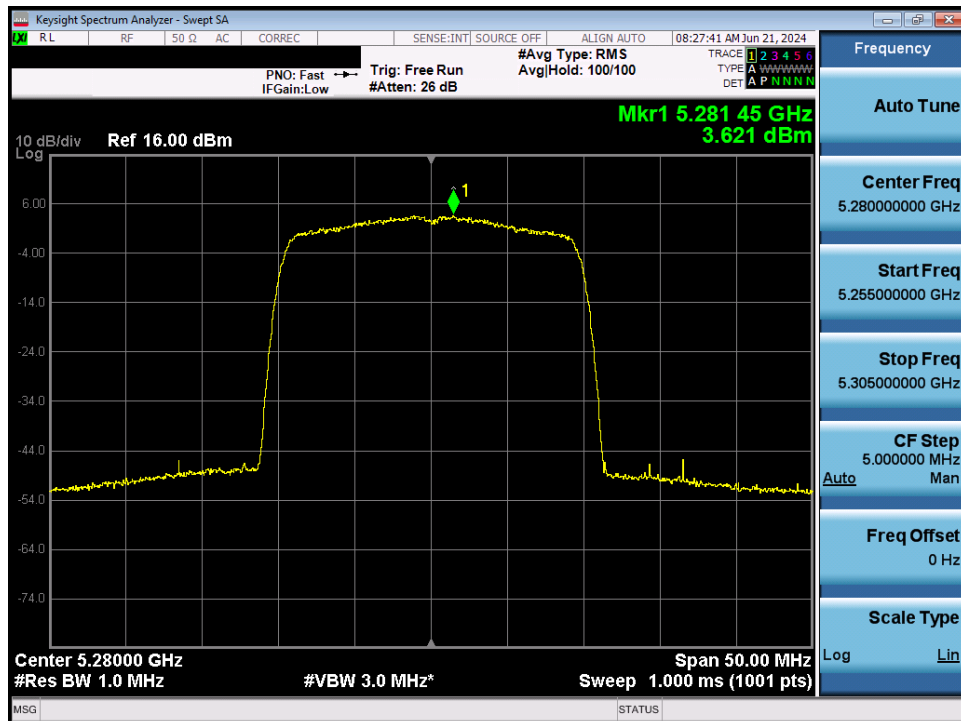


Plot 7-129. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 996 Tones (UNII Band 1) – Ch. 42)

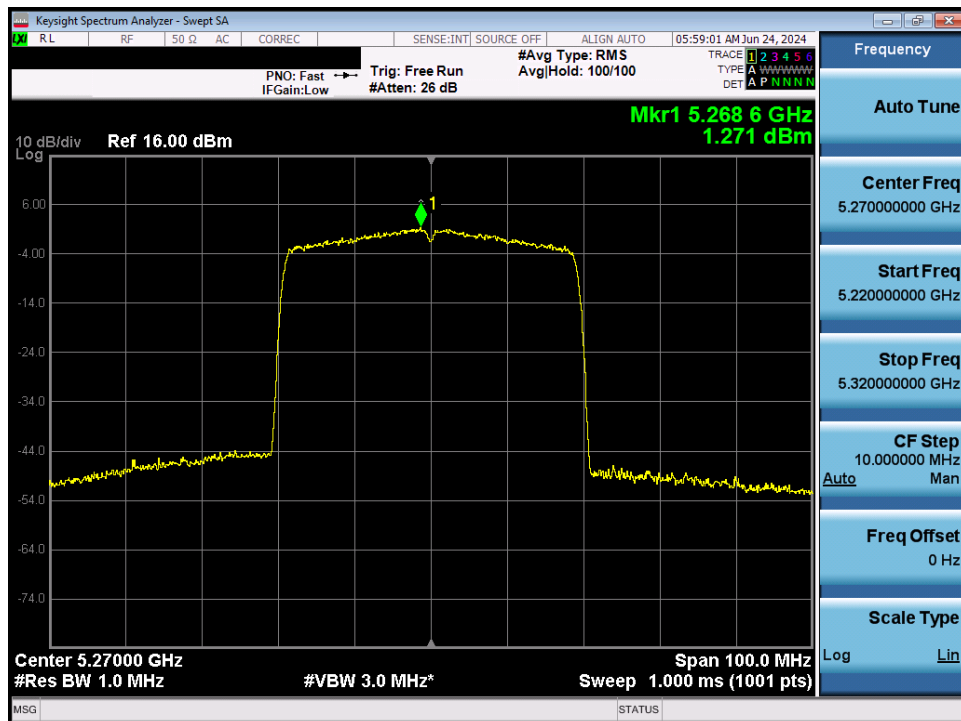


Plot 7-130. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 2x996 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 98 of 180

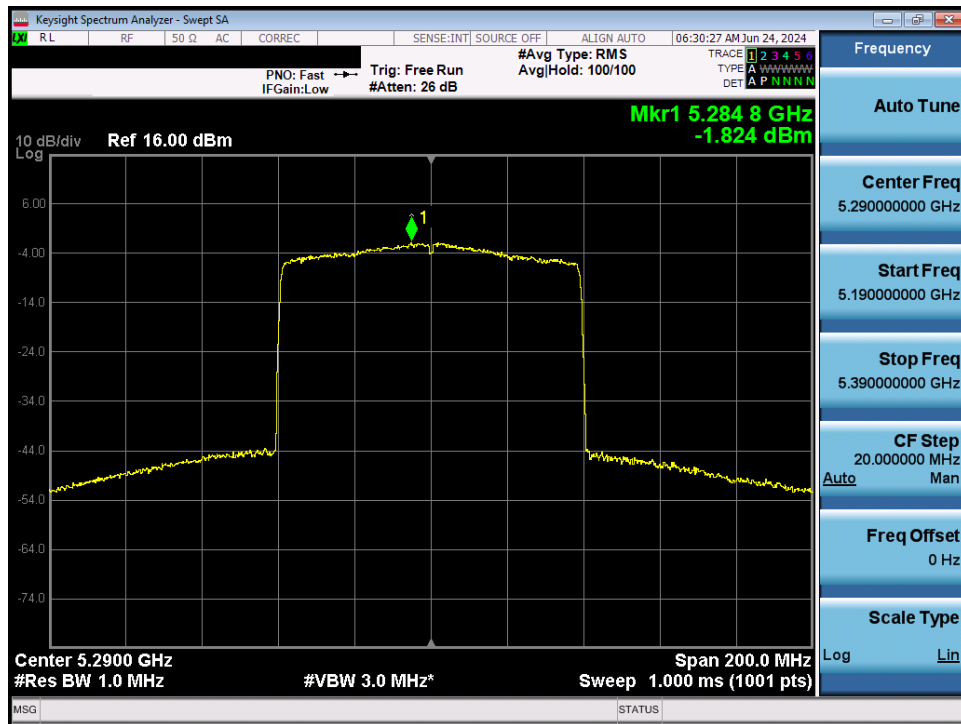


Plot 7-131. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 242 Tones (UNII Band 2A) – Ch. 56)

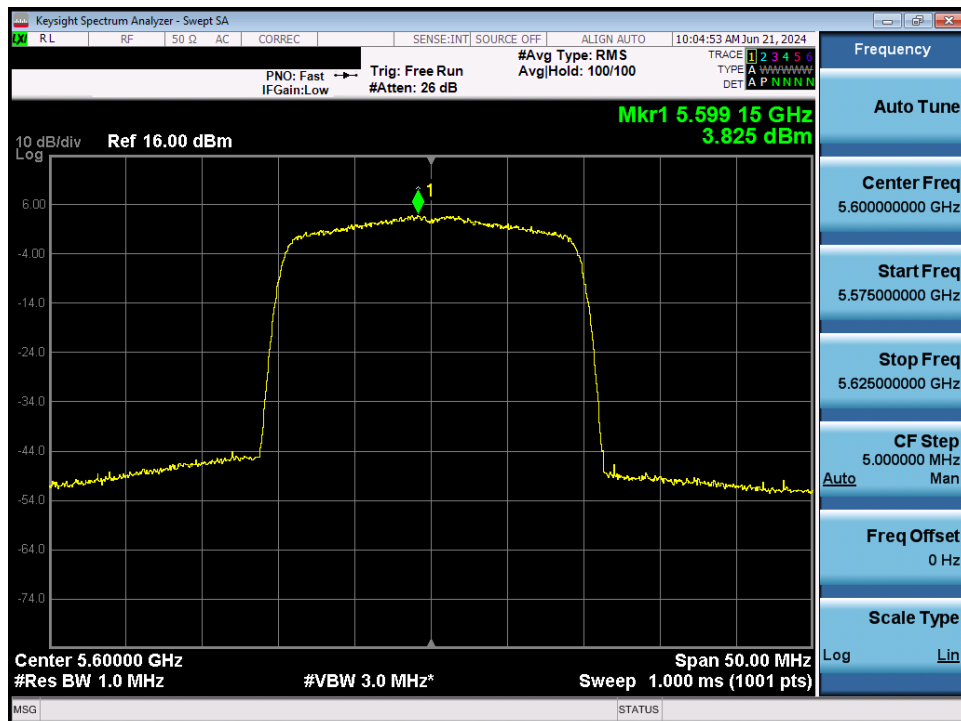


Plot 7-132. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 484 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 99 of 180

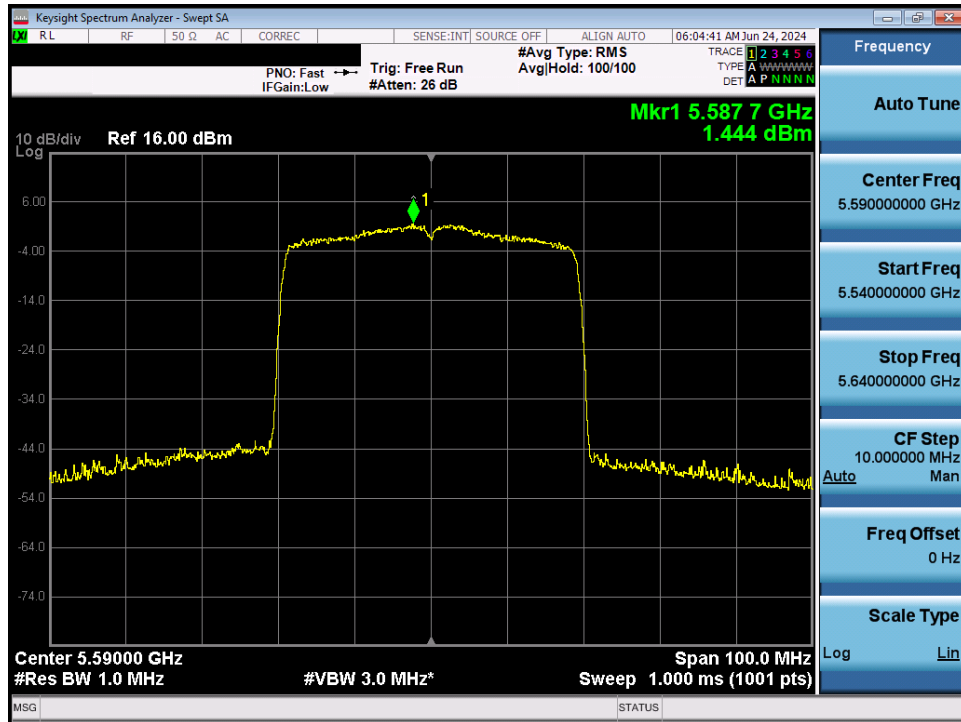


Plot 7-133. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 996 Tones (UNII Band 2A) – Ch. 58)

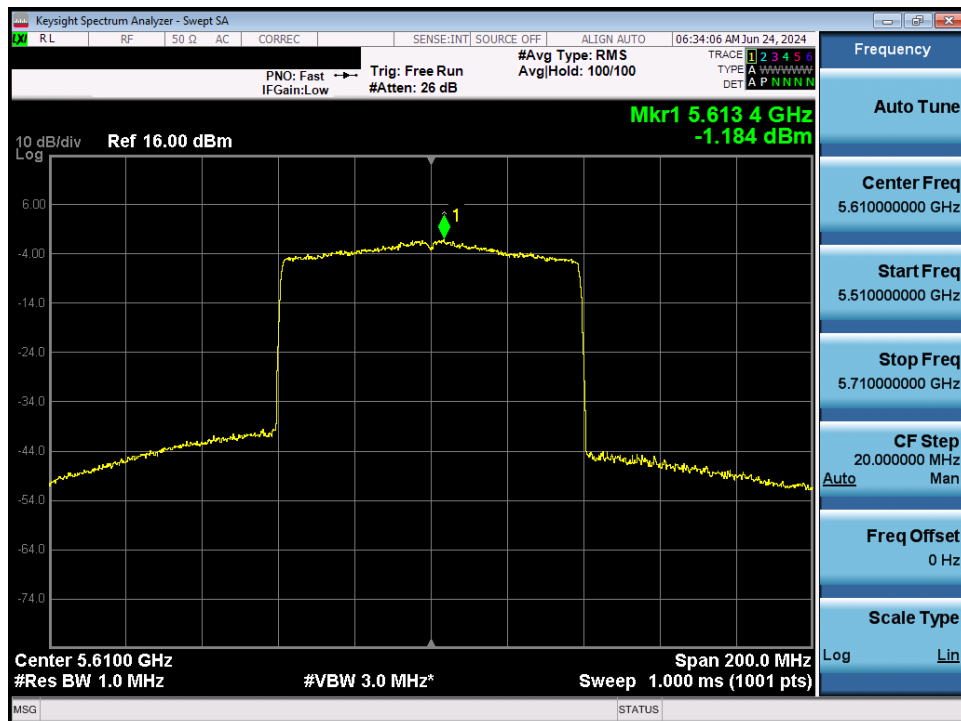


Plot 7-134. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 242 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 100 of 180



Plot 7-135. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 484 Tones (UNII Band 2C) – Ch. 118)

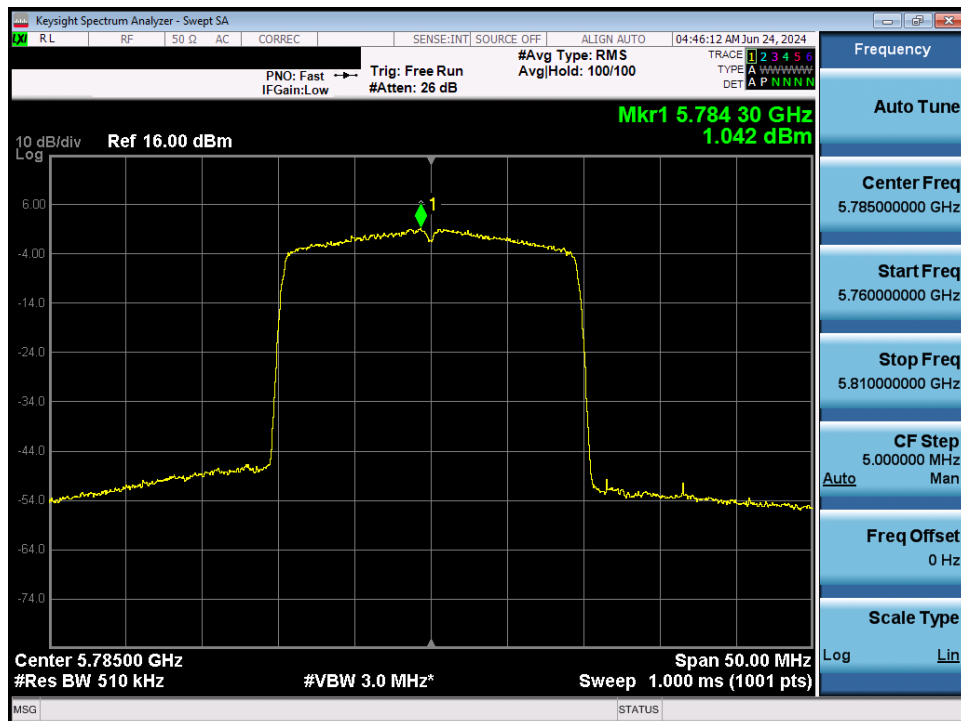


Plot 7-136. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 996 Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 101 of 180

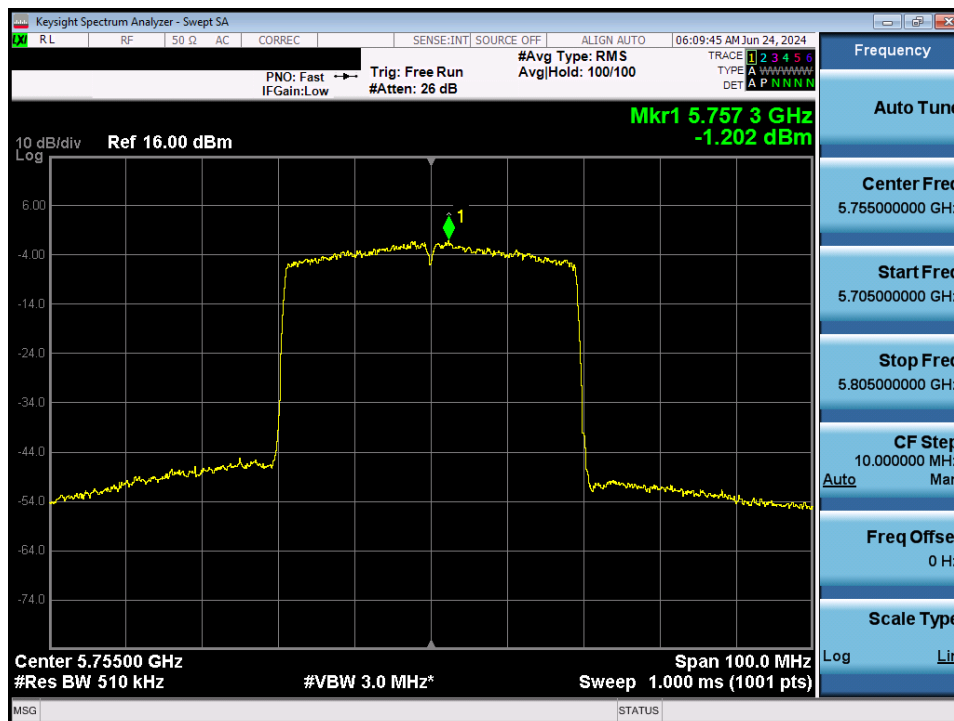


Plot 7-137. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 2x996 Tones (UNII Band 2C) – Ch. 114)

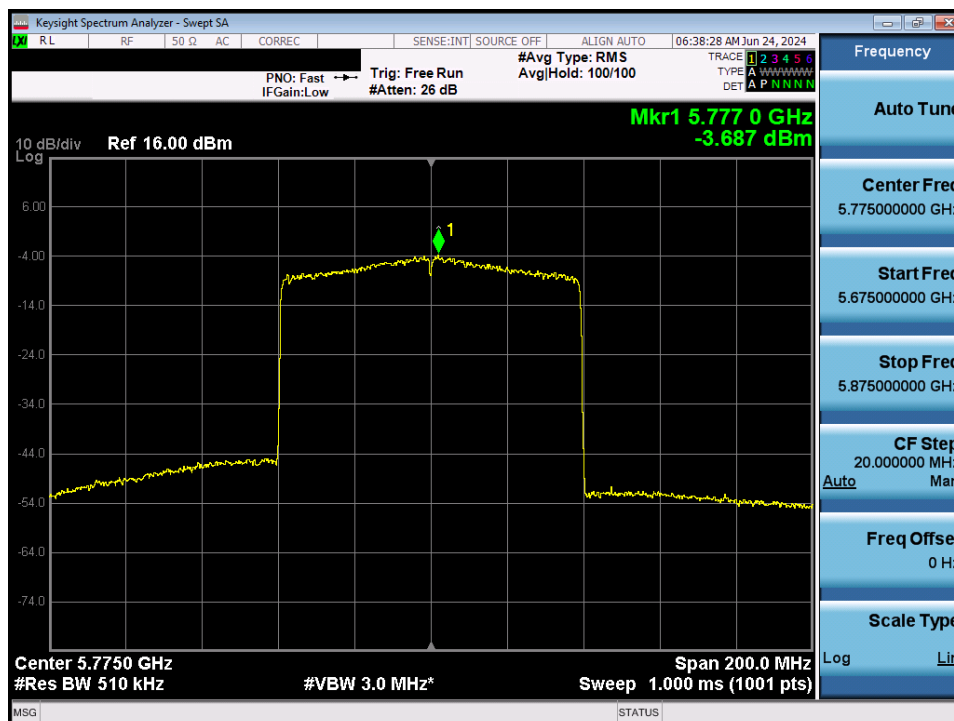


Plot 7-138. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 242 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 102 of 180

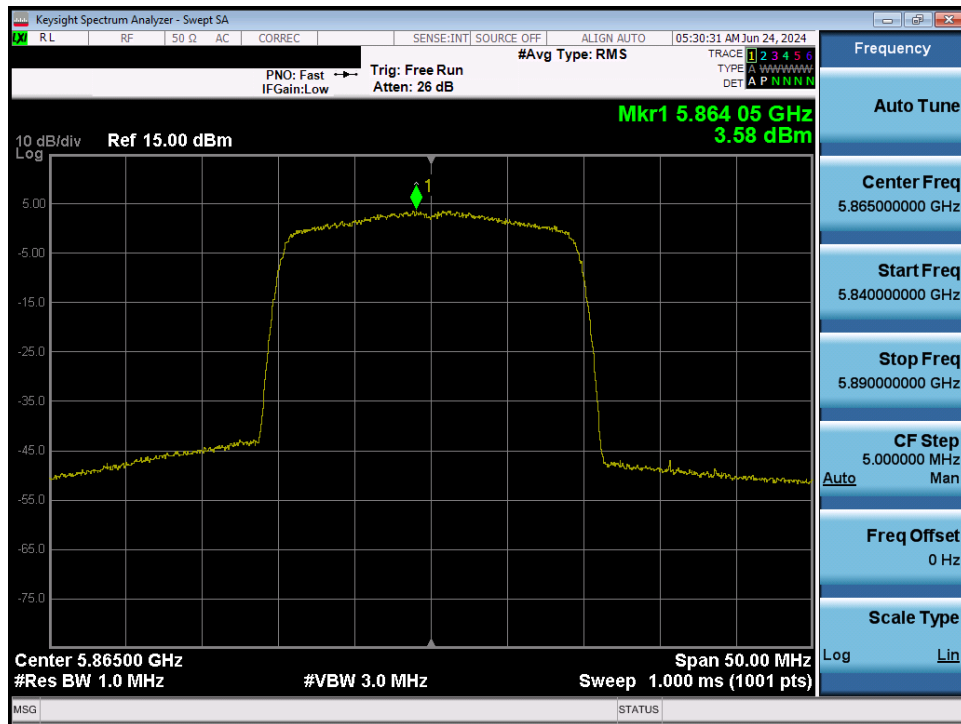


Plot 7-139. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 484 Tones (UNII Band 3) – Ch. 151)

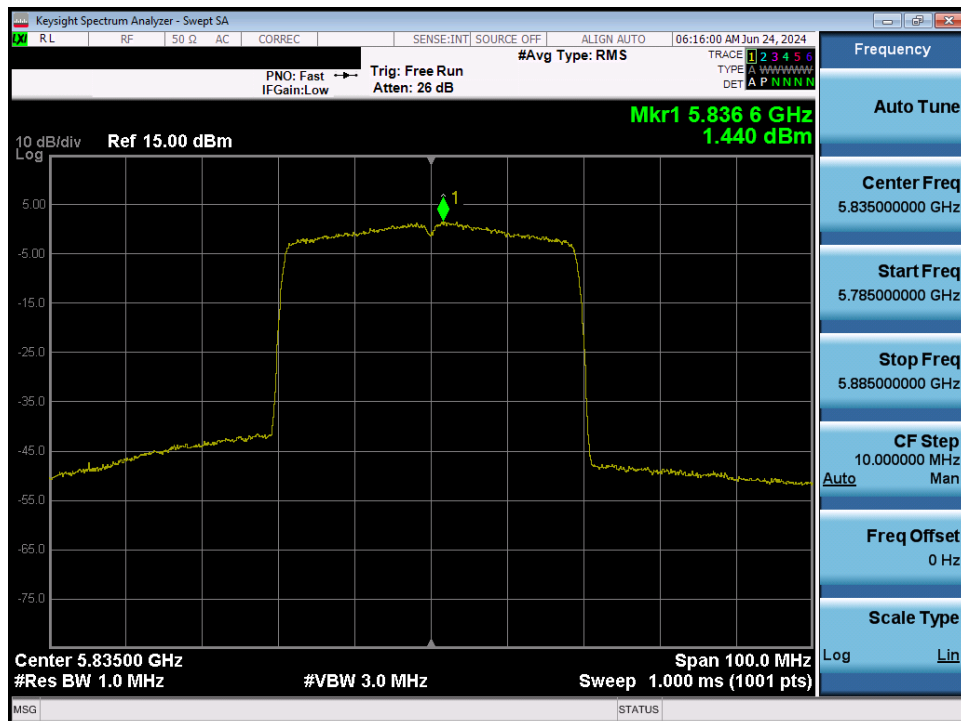


Plot 7-140. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 996 Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 103 of 180



Plot 7-141. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 242 Tones (UNII Band 4) – Ch. 173)



Plot 7-142. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be – 484 Tones (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 104 of 180

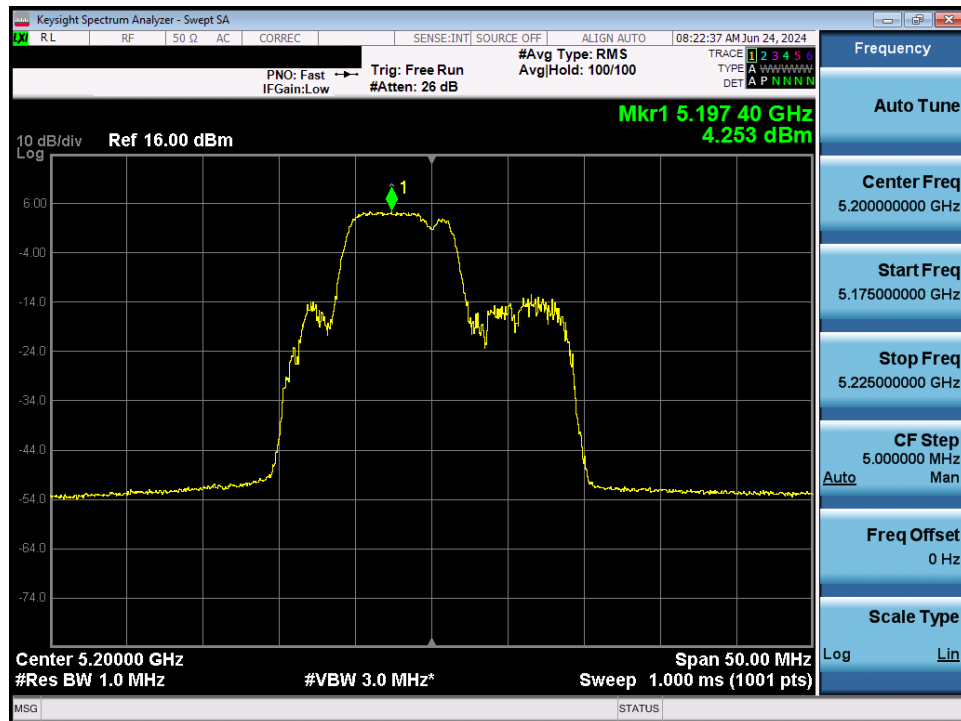


Plot 7-143. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 996 Tones (UNII Band 3/4) – Ch. 171)

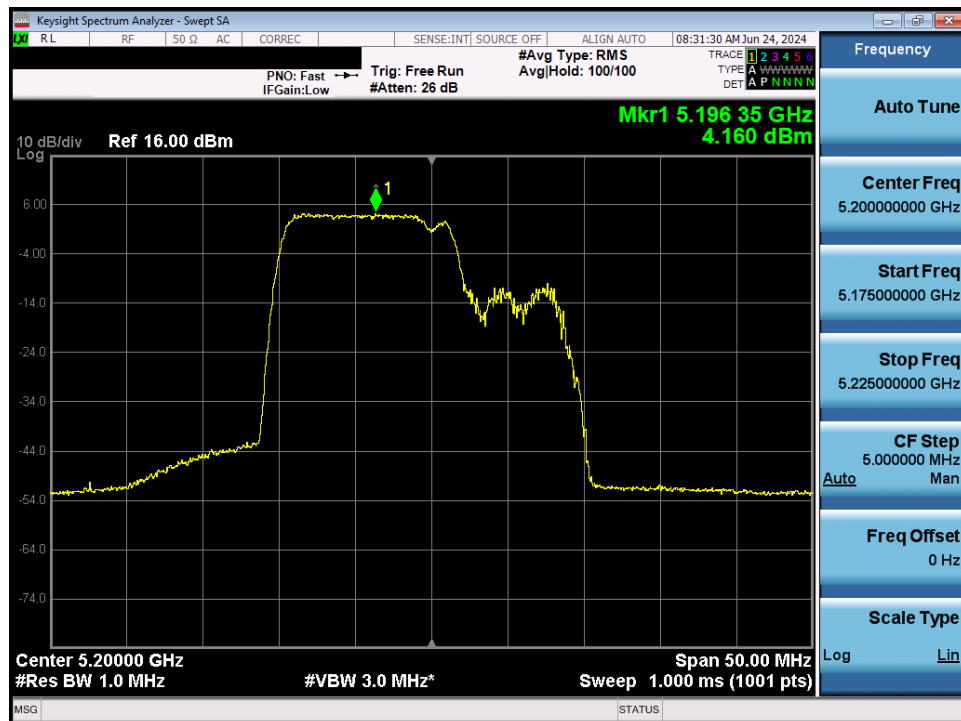


Plot 7-144. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 996*2 Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 105 of 180

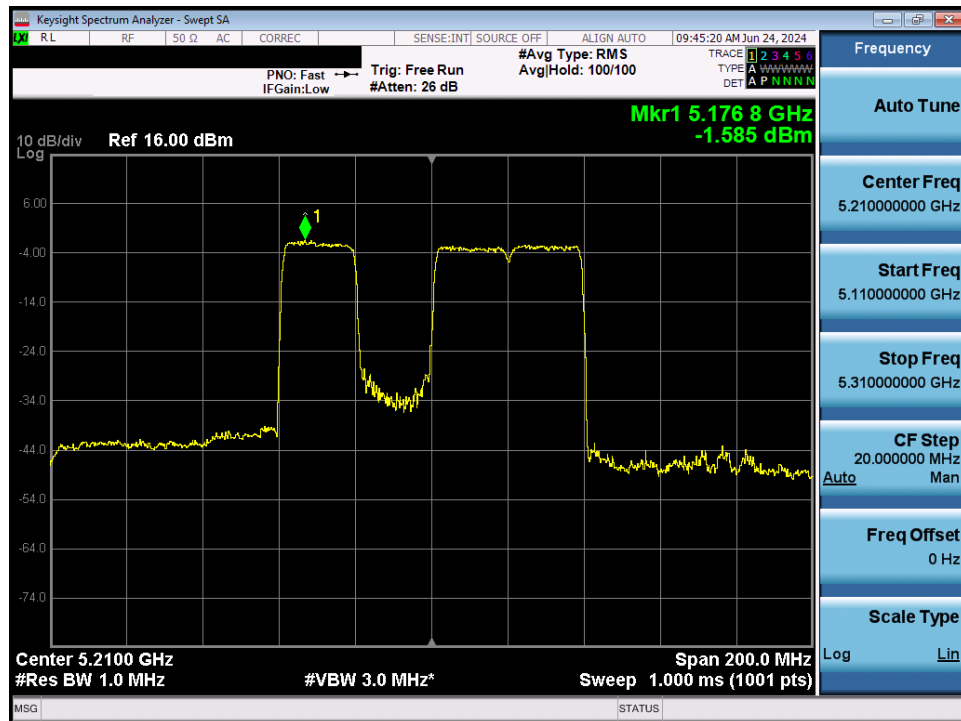


Plot 7-145. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 52+26 Tones (UNII Band 1) – Ch. 40)



Plot 7-146. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 106+26 Tones (UNII Band 1) – Ch. 40)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 106 of 180

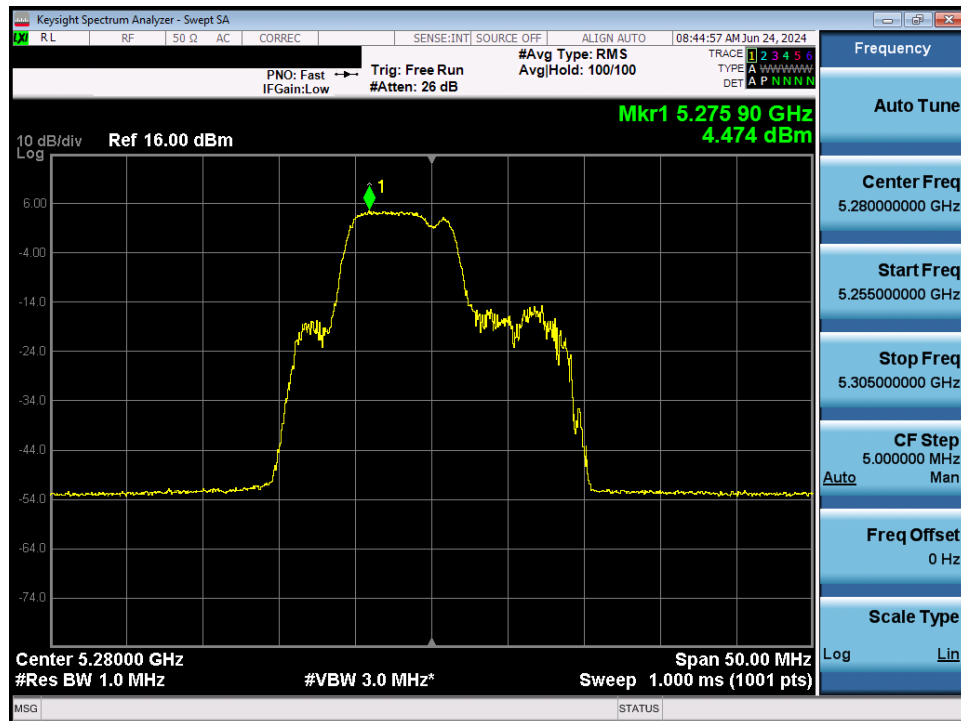


Plot 7-147. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 484+242Tones (UNII Band 1) – Ch. 42)



Plot 7-148. Power Spectral Density Plot MIMO ANT1(160MHz BW 802.11be – 996+484 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-149. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 52+26 Tones (UNII Band 2A) – Ch. 56)

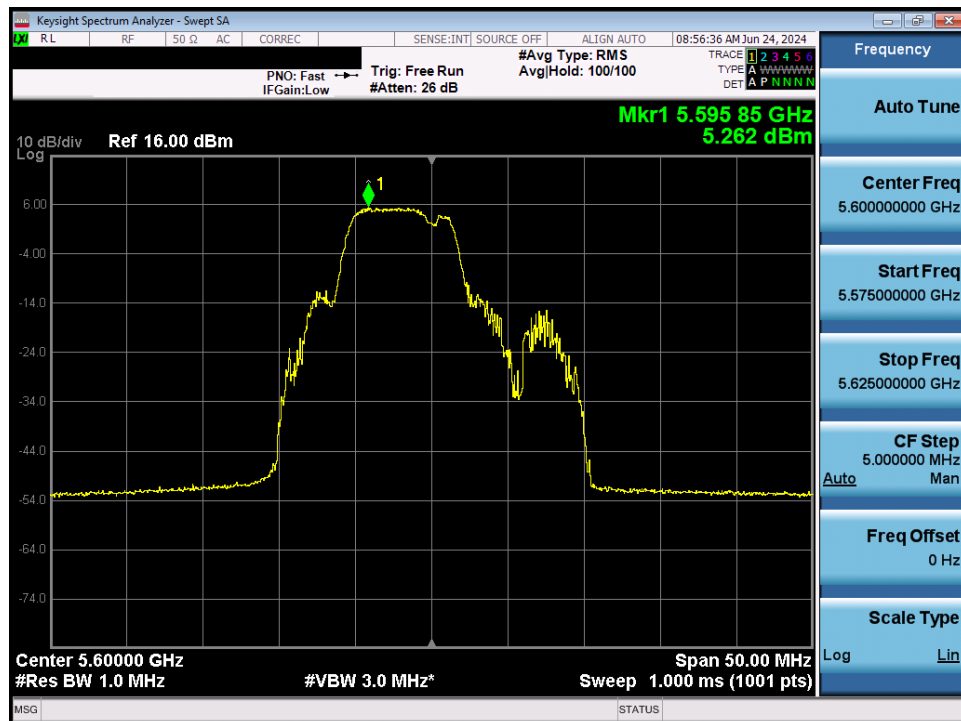


Plot 7-150. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 106+26 Tones (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 108 of 180

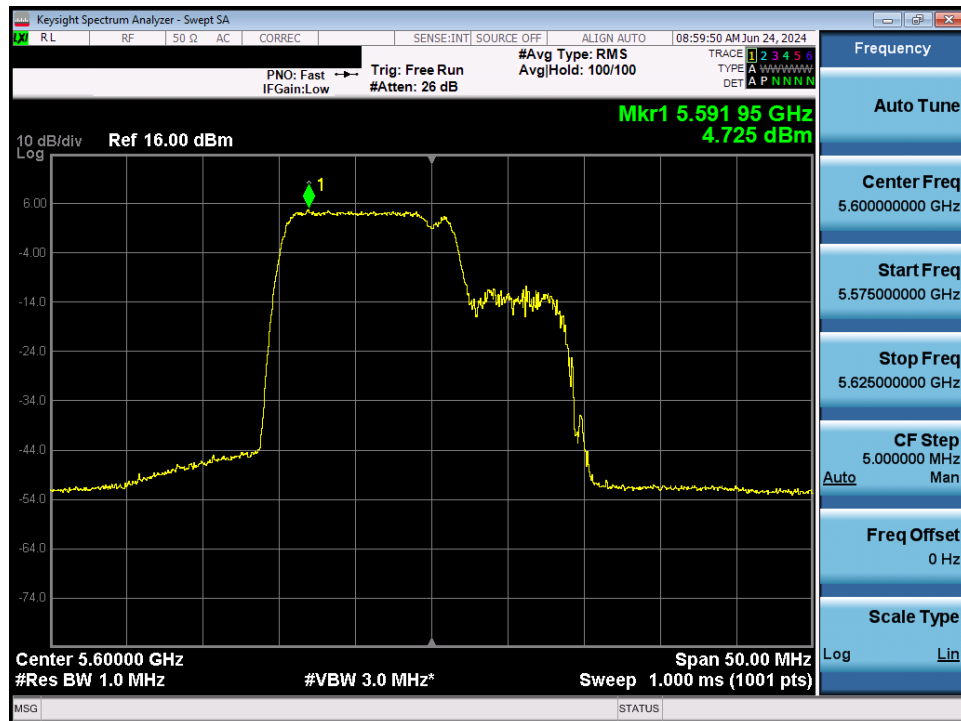


Plot 7-151. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 484+242Tones (UNII Band 2A) – Ch. 58)



Plot 7-152. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 52+26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 109 of 180

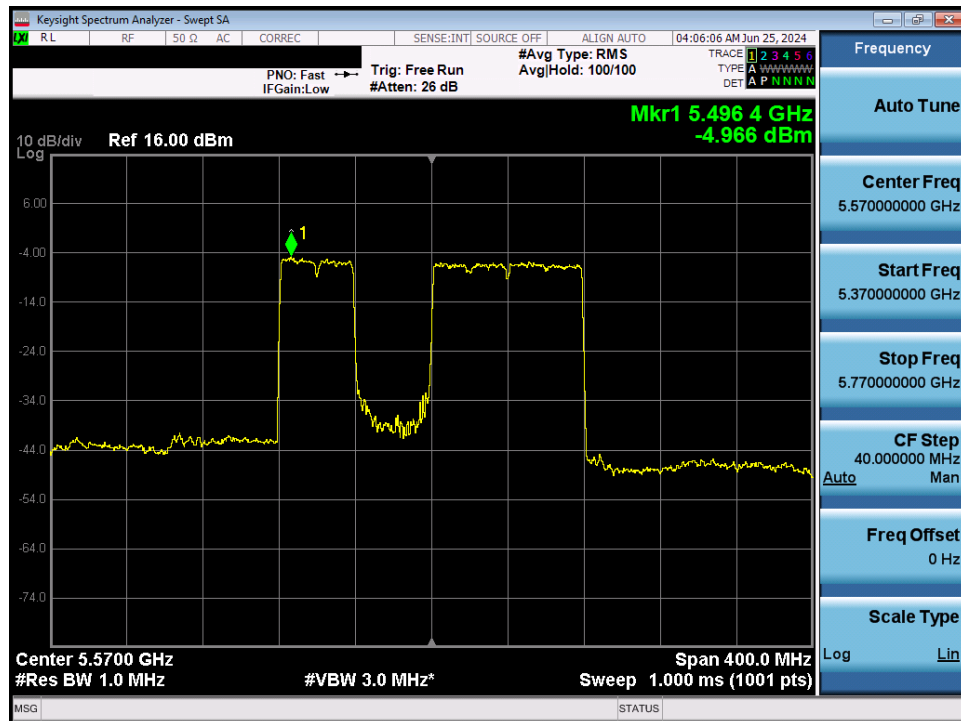


Plot 7-153. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 106+26 Tones (UNII Band 2C) – Ch. 120)



Plot 7-154. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 484+242Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 110 of 180

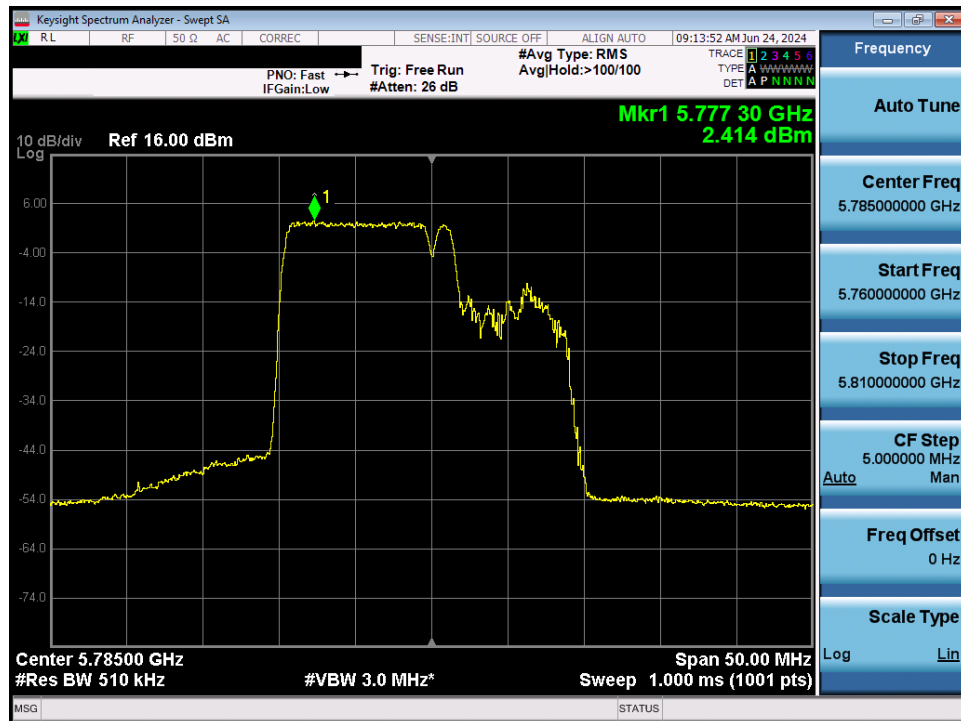


Plot 7-155. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 996+484 Tones (UNII Band 2C) – Ch. 114)

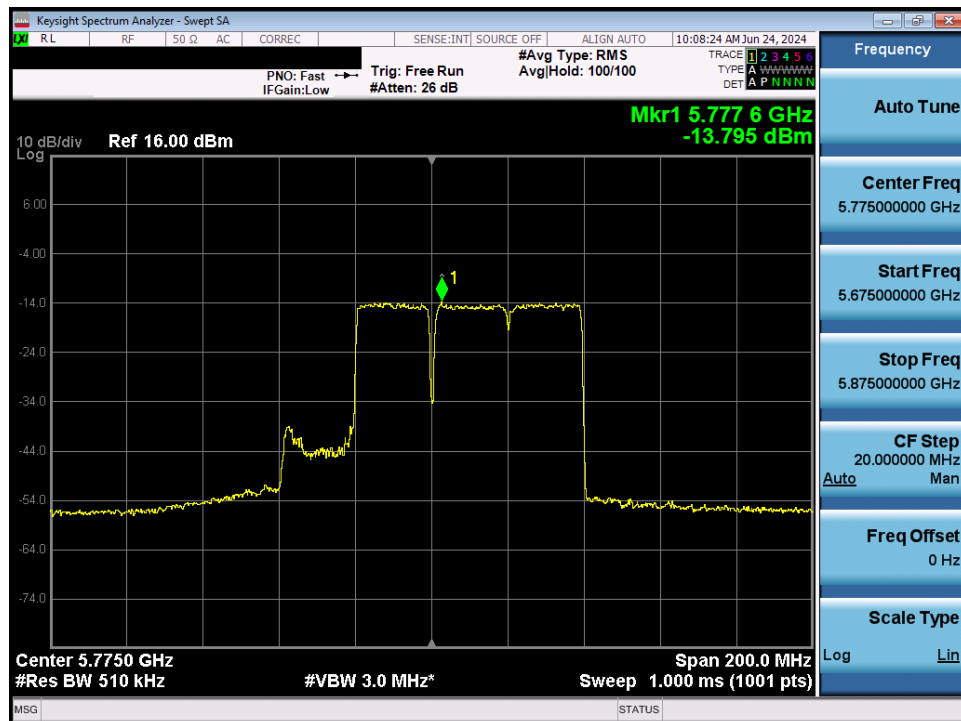


Plot 7-156. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 52+26 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 111 of 180

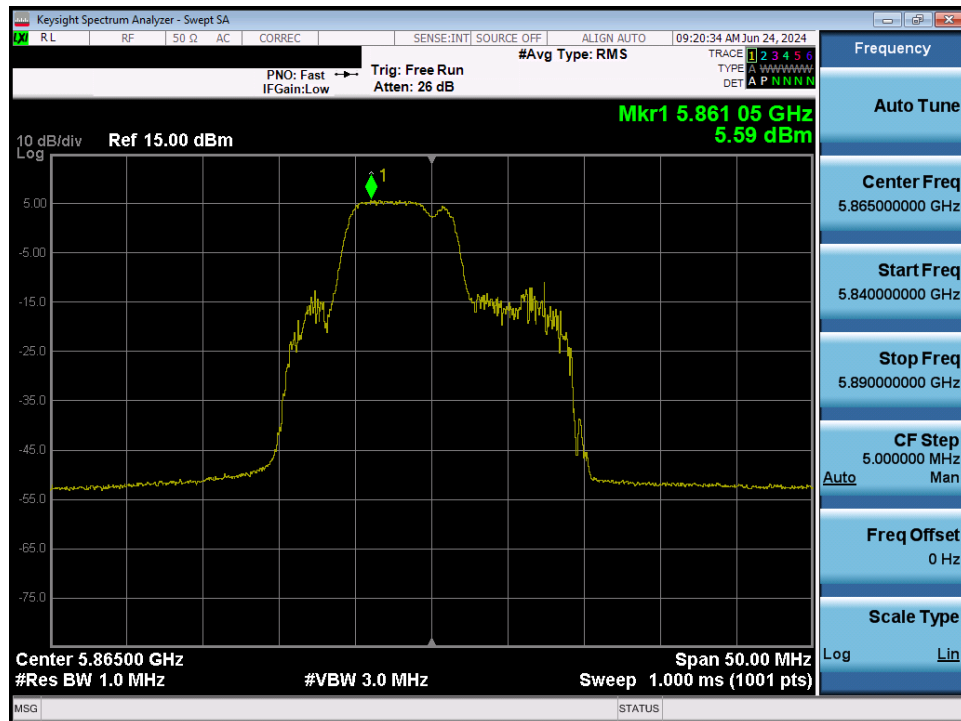


Plot 7-157. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 106+26 Tones (UNII Band 3) – Ch. 157)

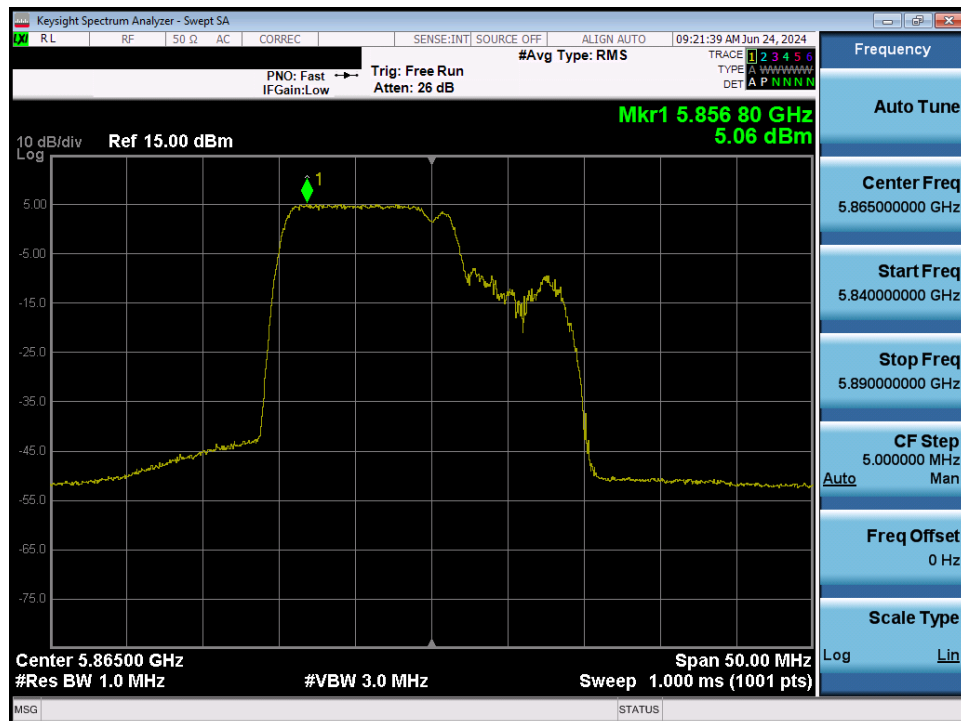


Plot 7-158. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 484+242Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 112 of 180

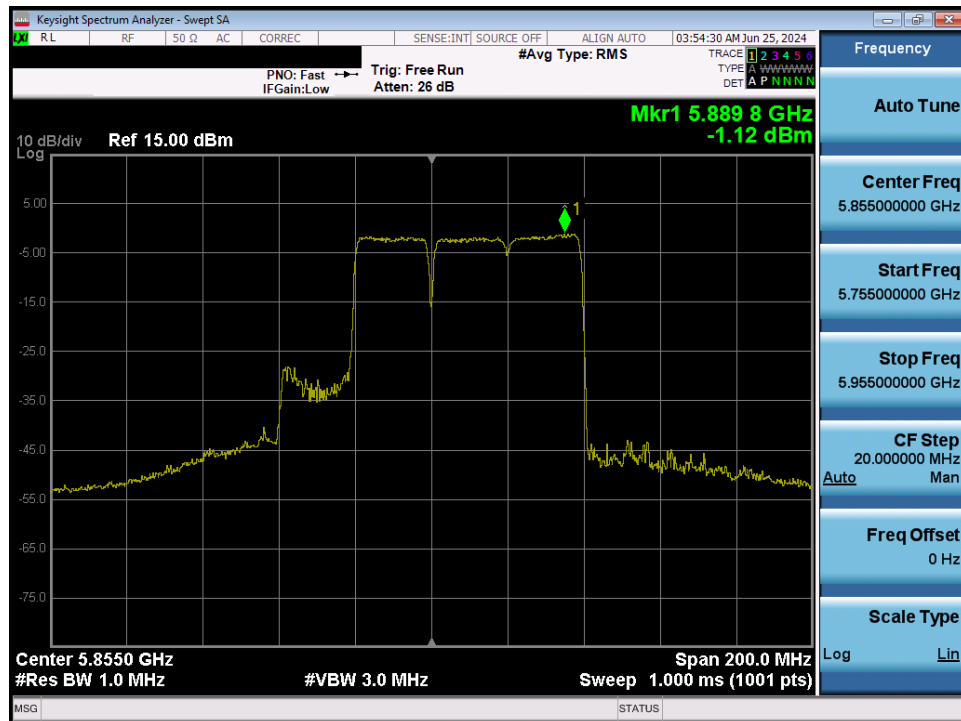


Plot 7-159. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 52+26 Tones (UNII Band 4) – Ch. 173)



Plot 7-160. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be – 106+26 Tones (UNII Band 4) – Ch. 173)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 113 of 180



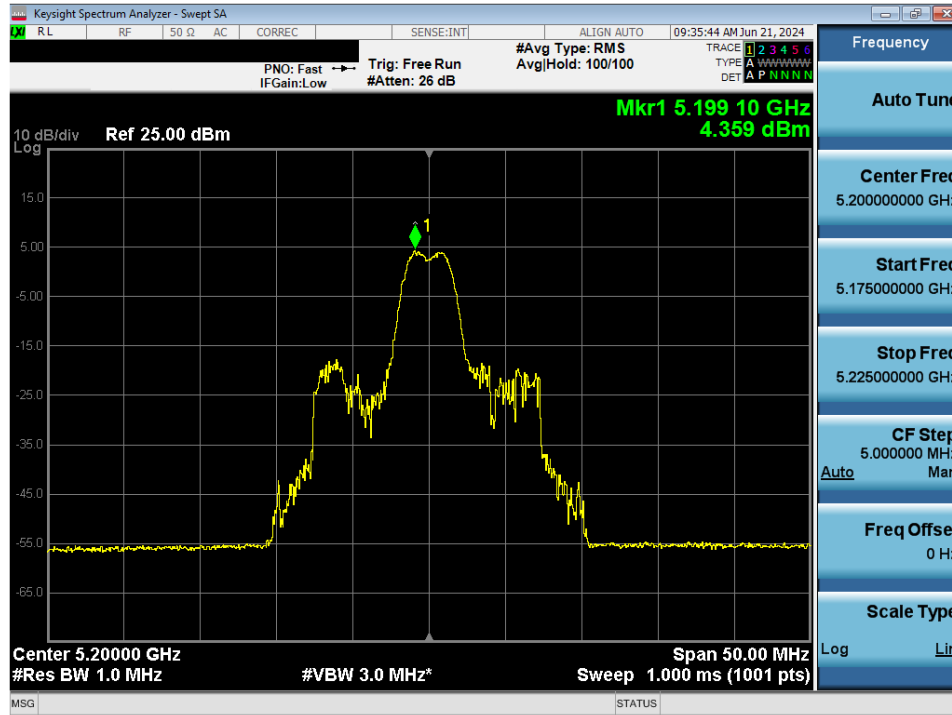
Plot 7-161. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be – 484+242Tones (UNII Band 3/4) – Ch. 171)



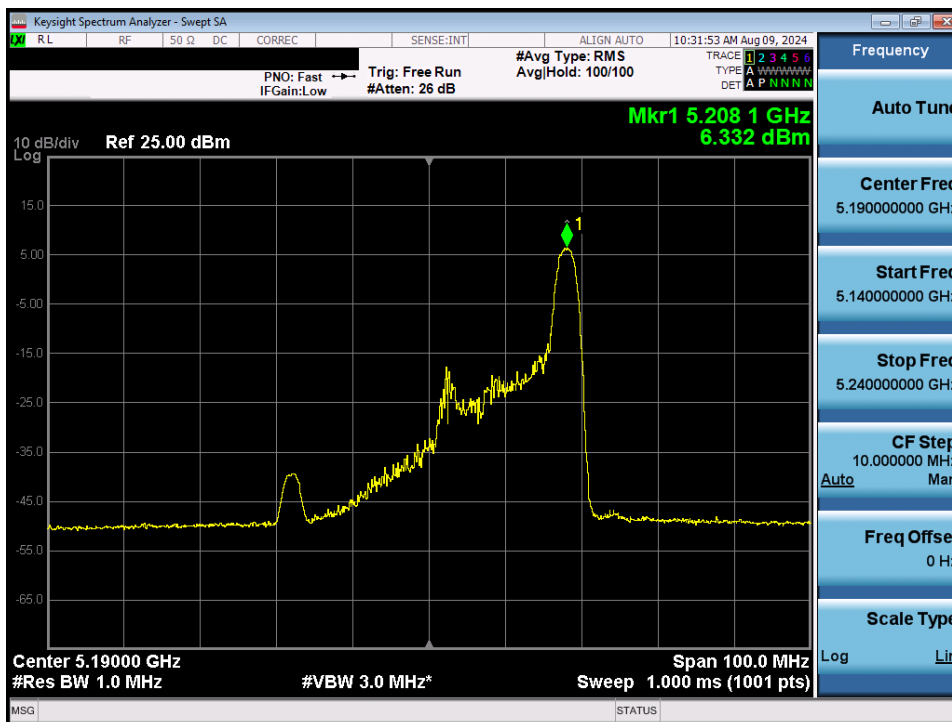
Plot 7-162. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 996+484 Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 114 of 180

7.5.2 MIMO Antenna-2 Power Spectral Density Measurements

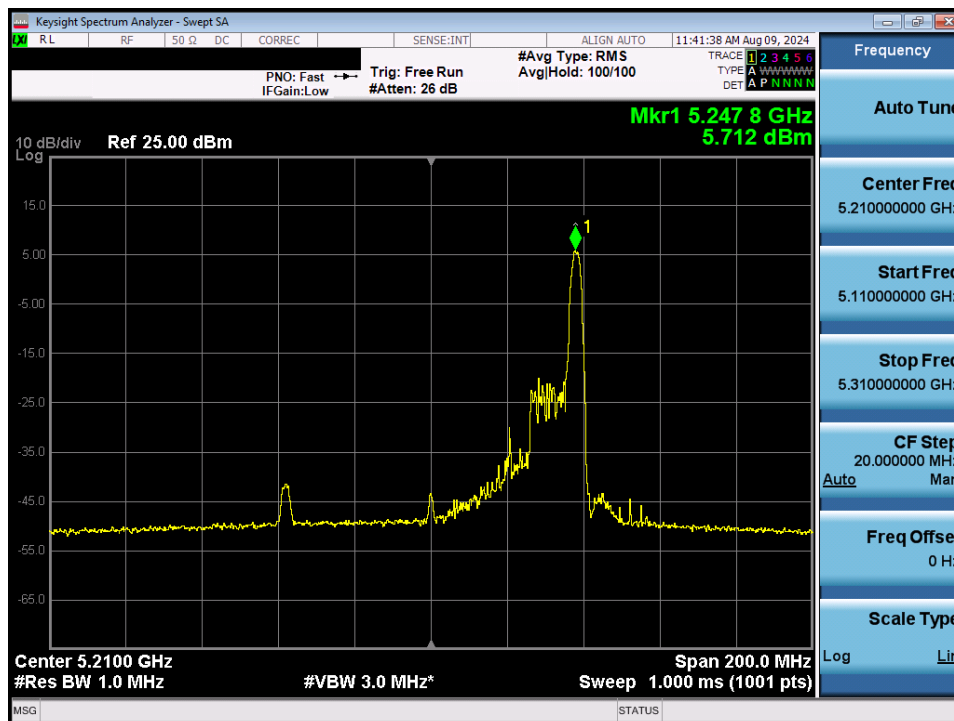


Plot 7-163. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 40)

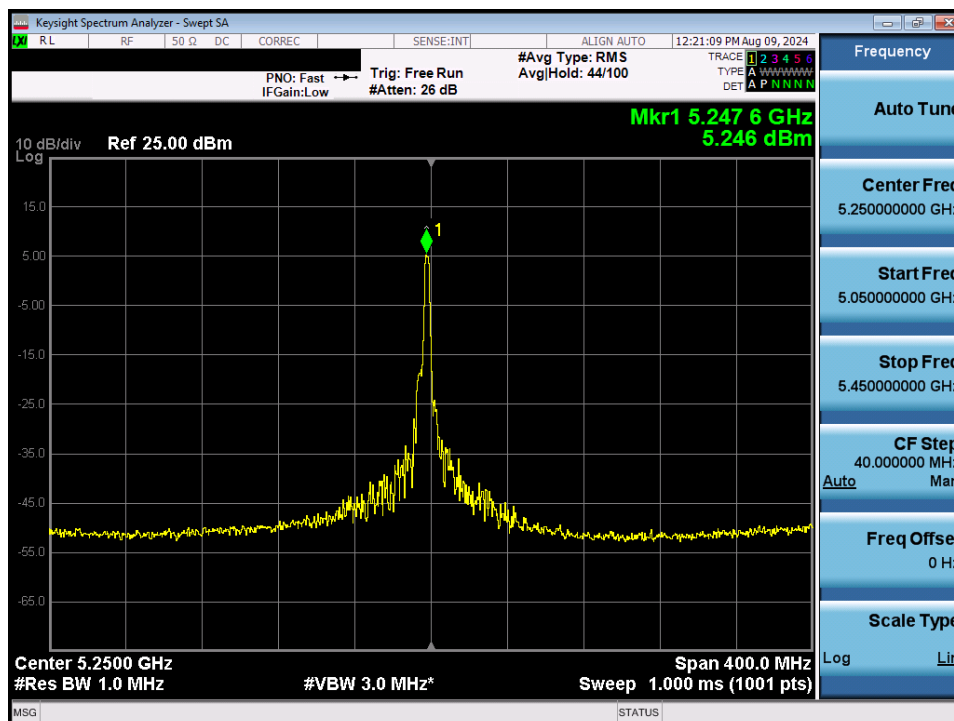


Plot 7-164. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 115 of 180

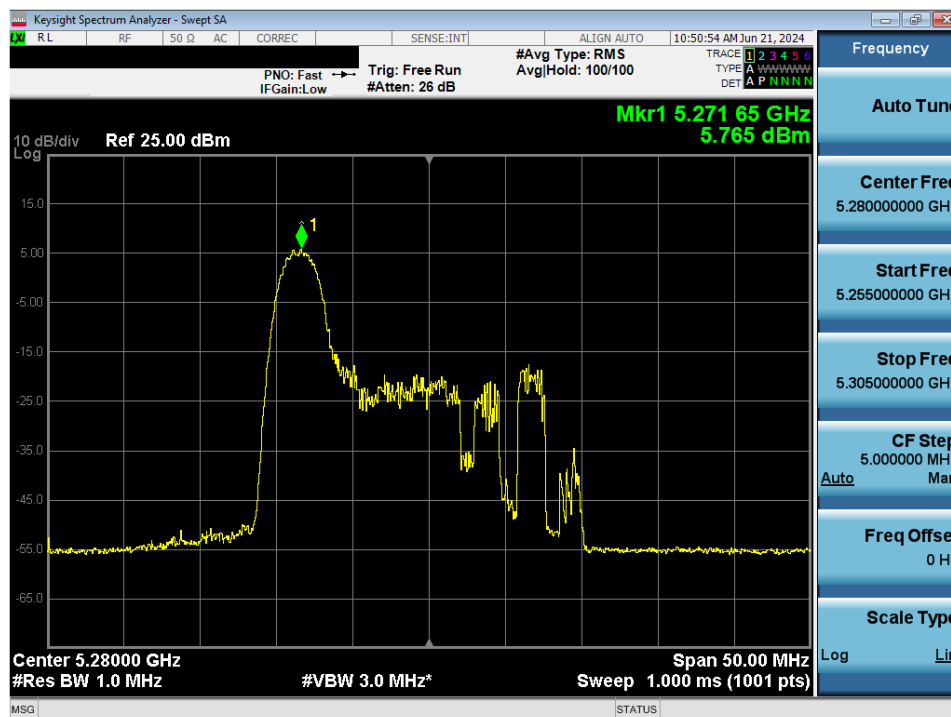


Plot 7-165. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 26 Tones (UNII Band 1) – Ch. 42)

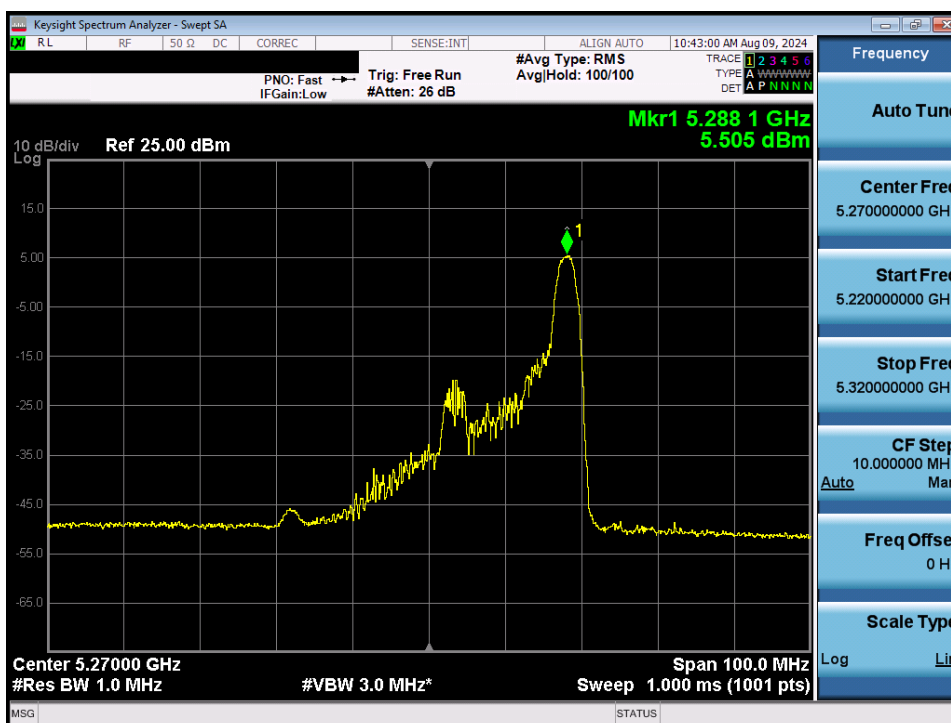


Plot 7-166. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be – 26 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 116 of 180

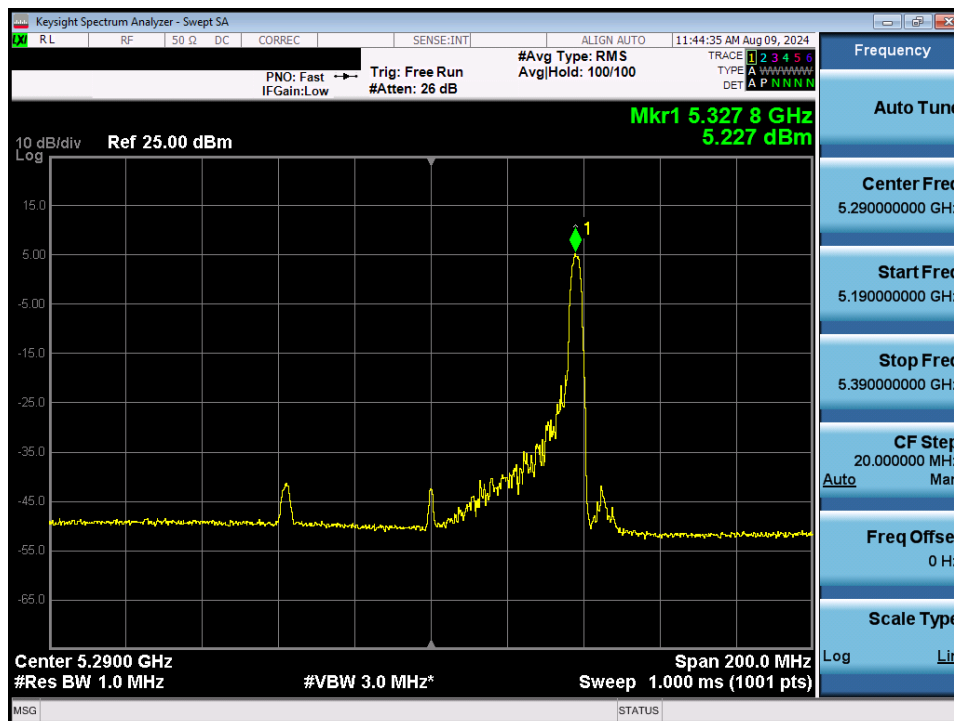


Plot 7-167. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 56)

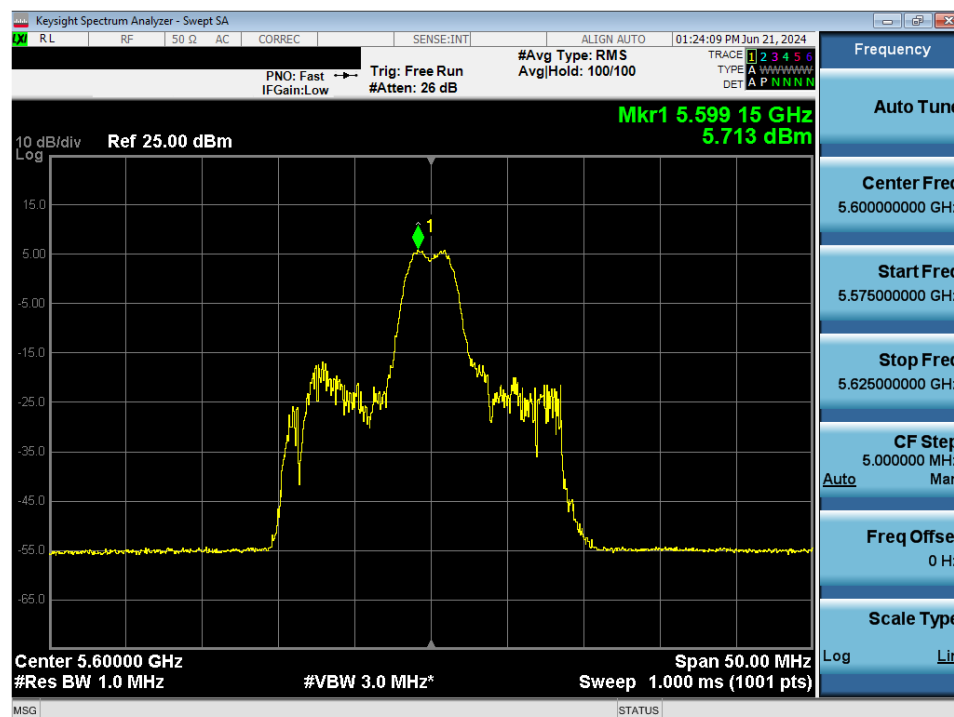


Plot 7-168. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 117 of 180



Plot 7-169. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 26 Tones (UNII Band 2A) – Ch. 58)

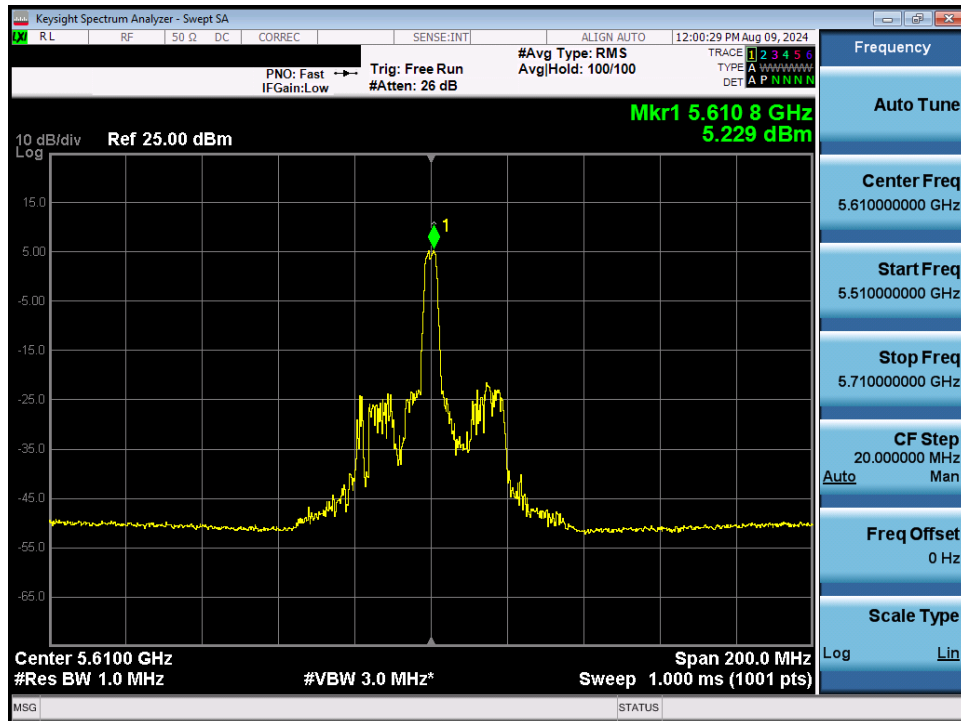


Plot 7-170. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 118 of 180

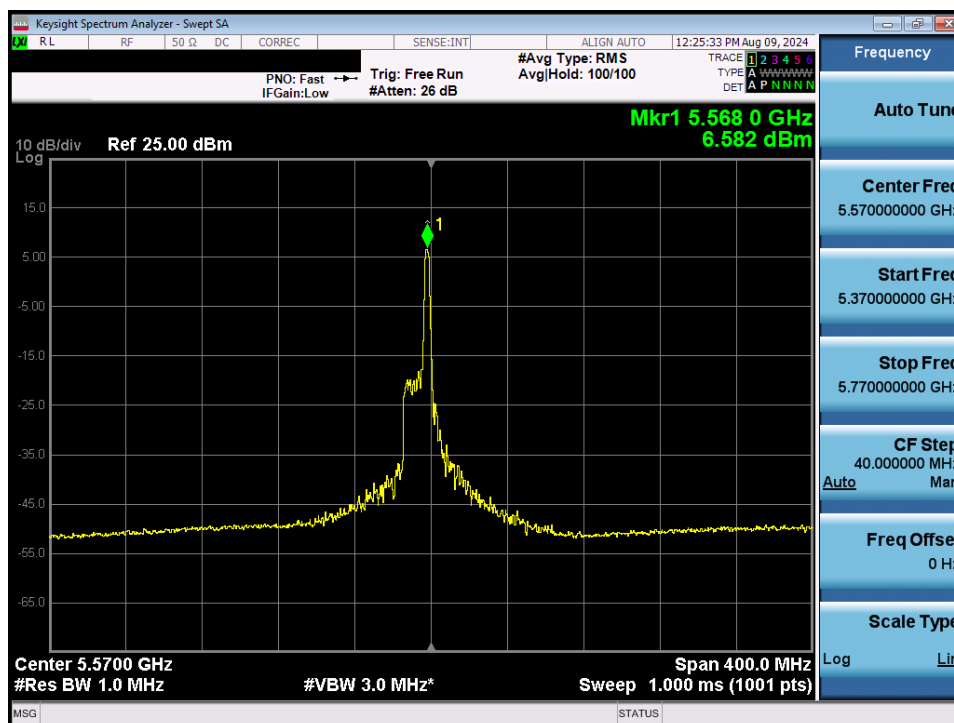


Plot 7-171. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 118)



Plot 7-172. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 119 of 180

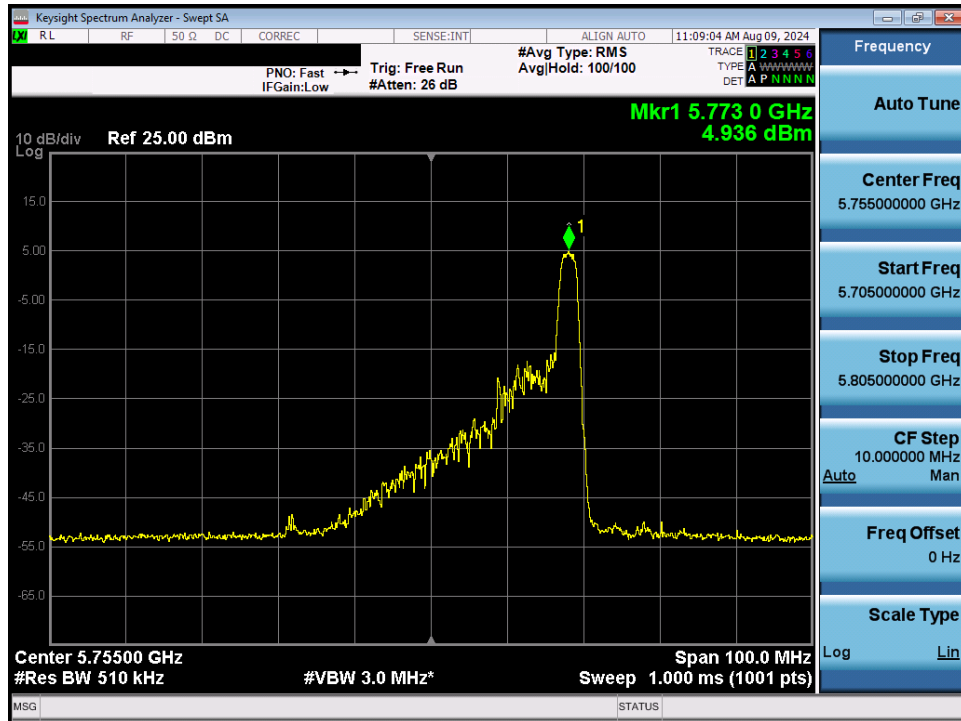


Plot 7-173. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be – 26 Tones (UNII Band 2C) – Ch. 114)

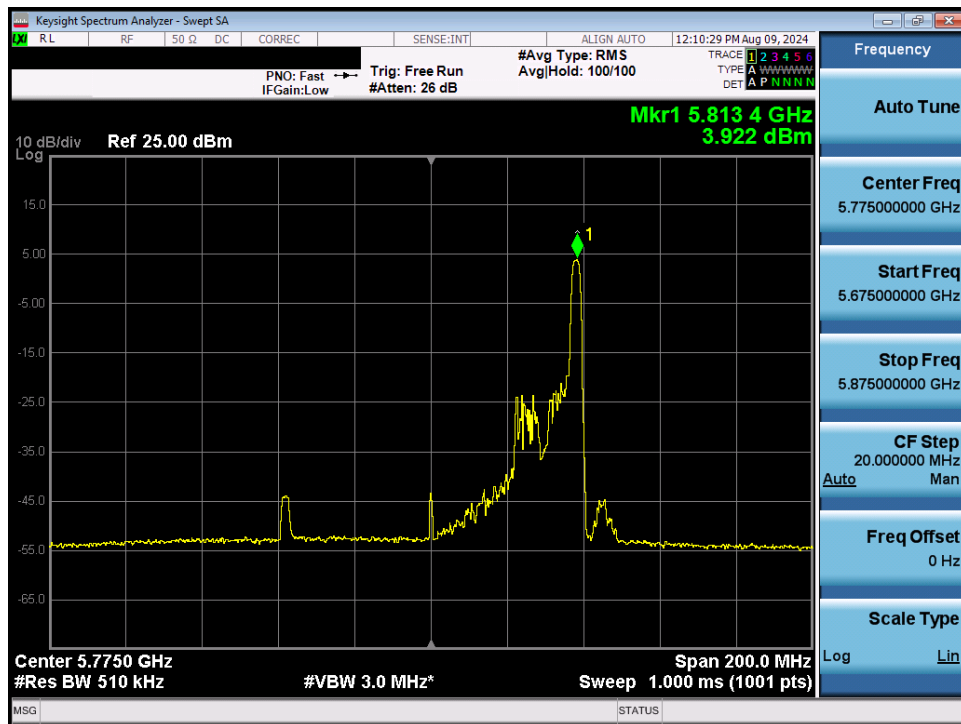


Plot 7-174. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 120 of 180

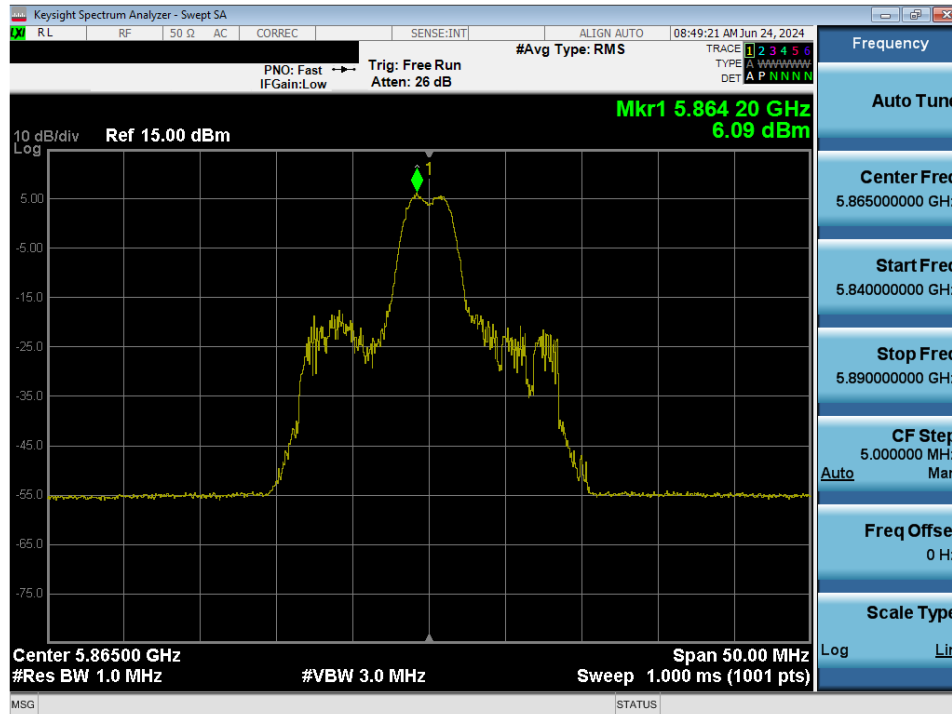


Plot 7-175. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 151)

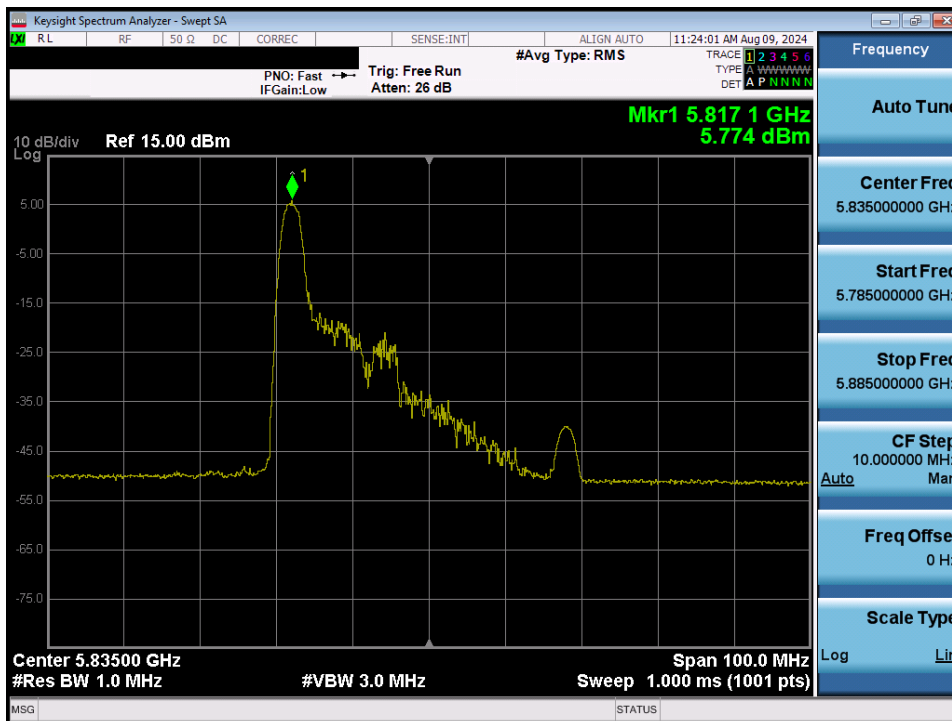


Plot 7-176. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 26 Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 121 of 180

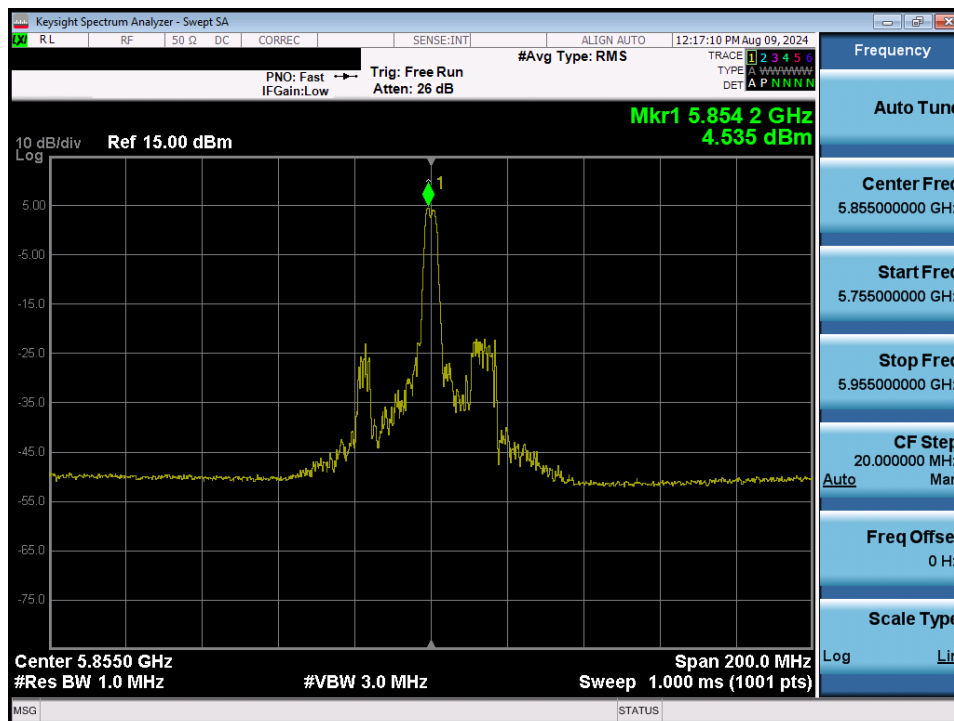


Plot 7-177. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 26 Tones (UNII Band 4) – Ch. 173)

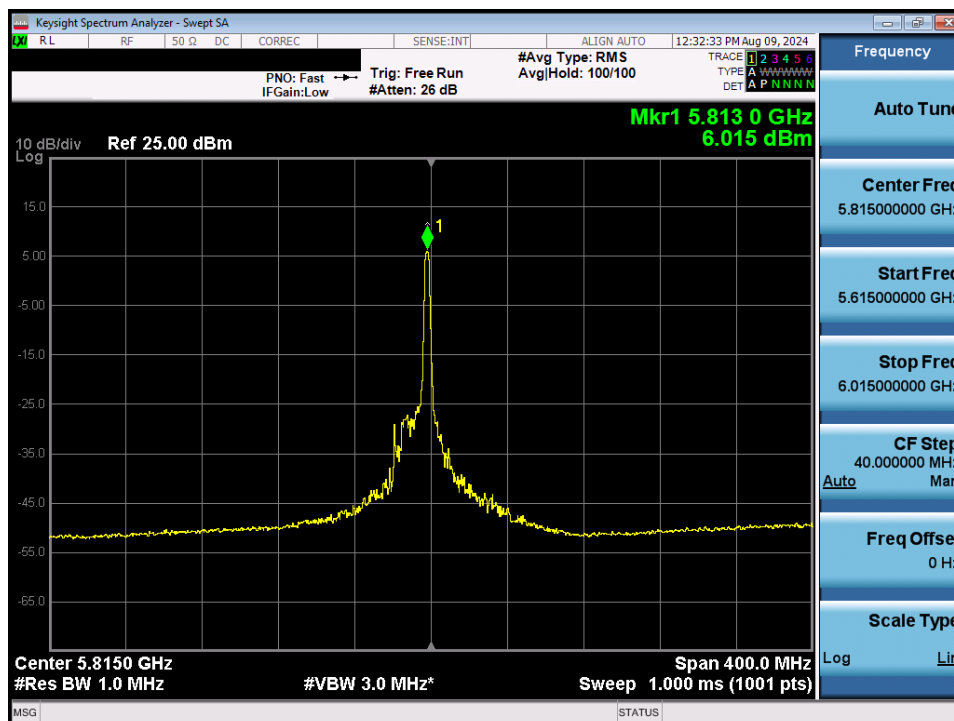


Plot 7-178. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 122 of 180

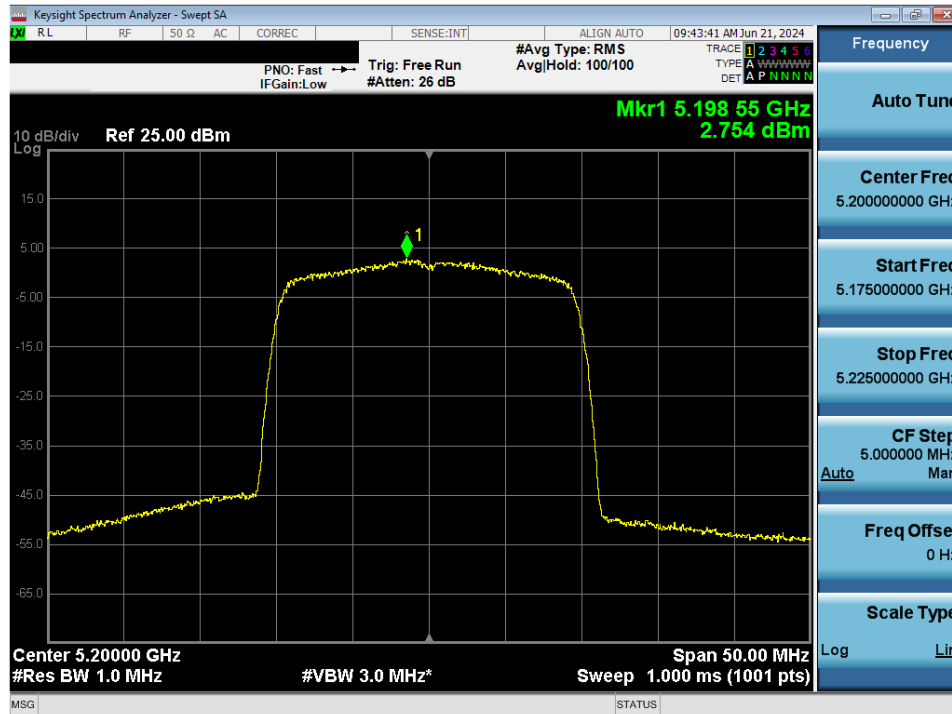


Plot 7-179. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 171)

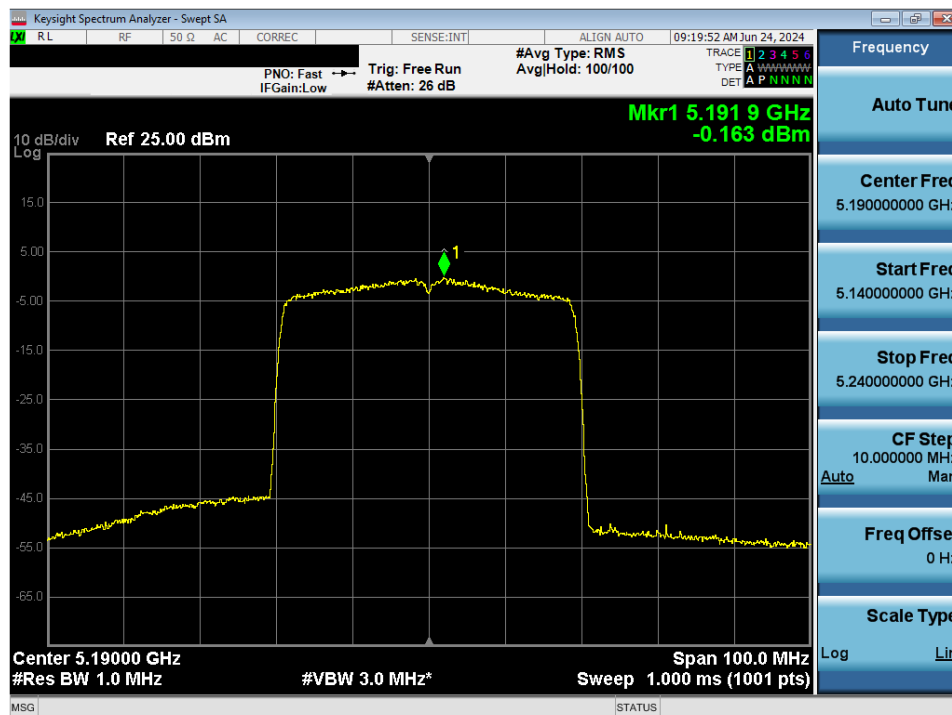


Plot 7-180. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be – 26 Tones (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 123 of 180

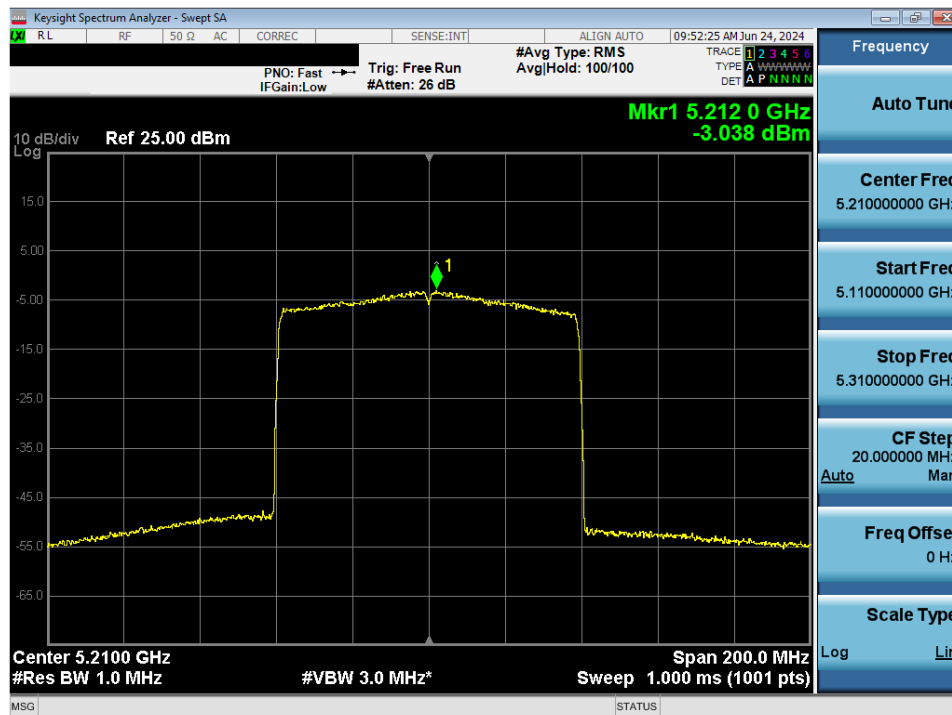


Plot 7-181. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 242 Tones (UNII Band 1) – Ch. 40)

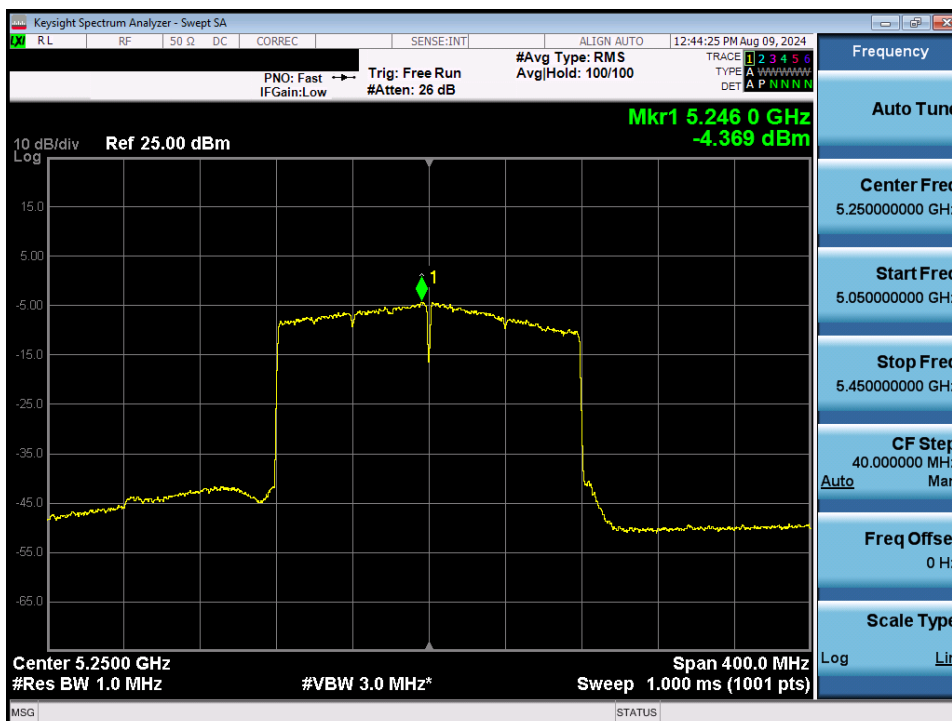


Plot 7-182. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 484 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 124 of 180

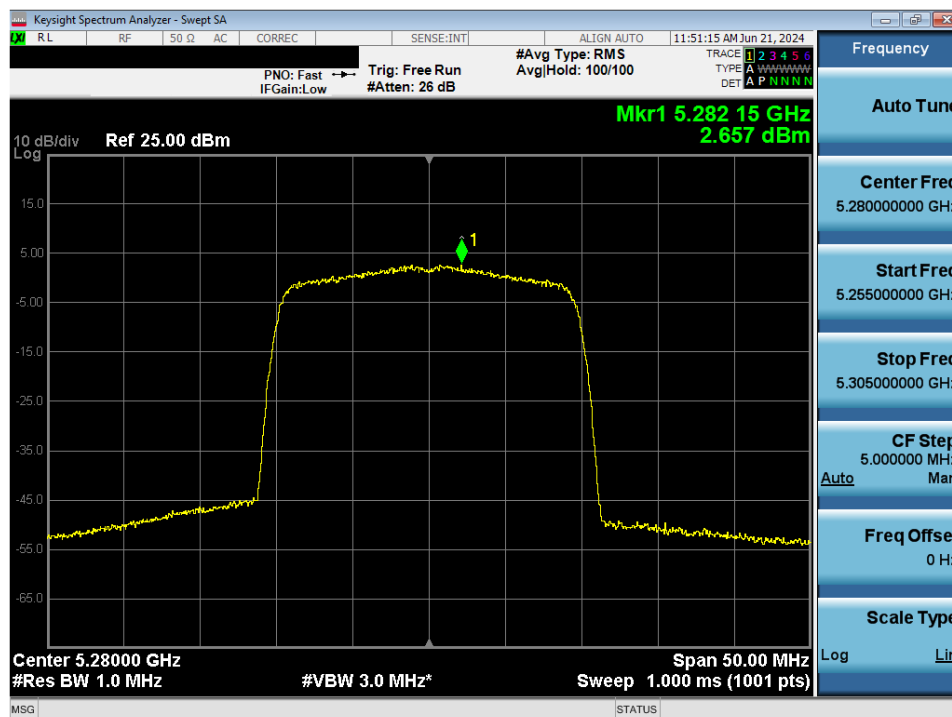


Plot 7-183. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 996 Tones (UNII Band 1) – Ch. 42)

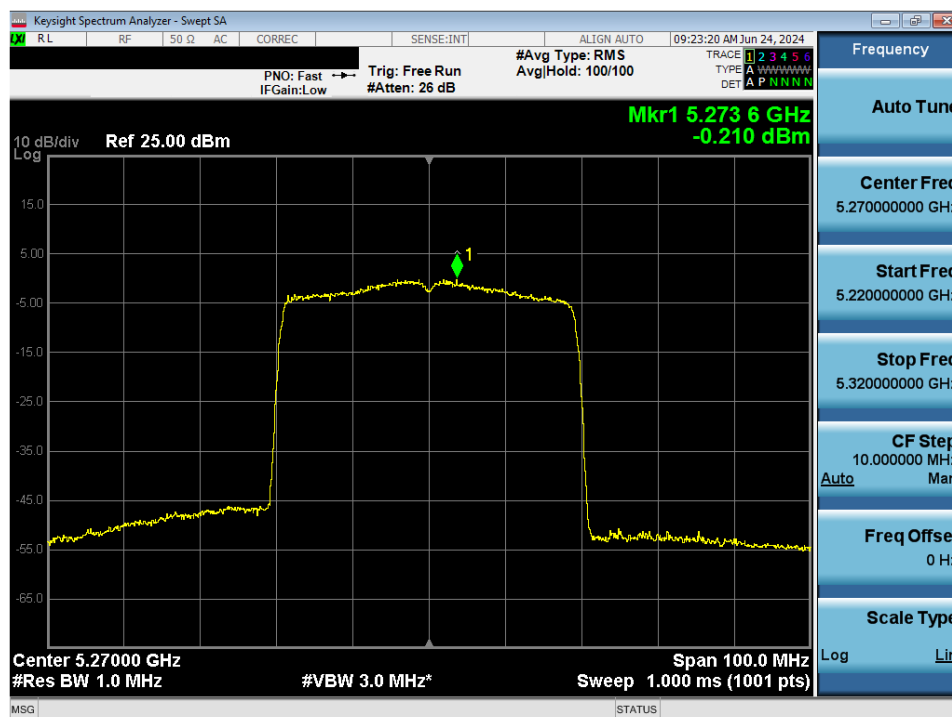


Plot 7-184. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be – 2x996 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 125 of 180

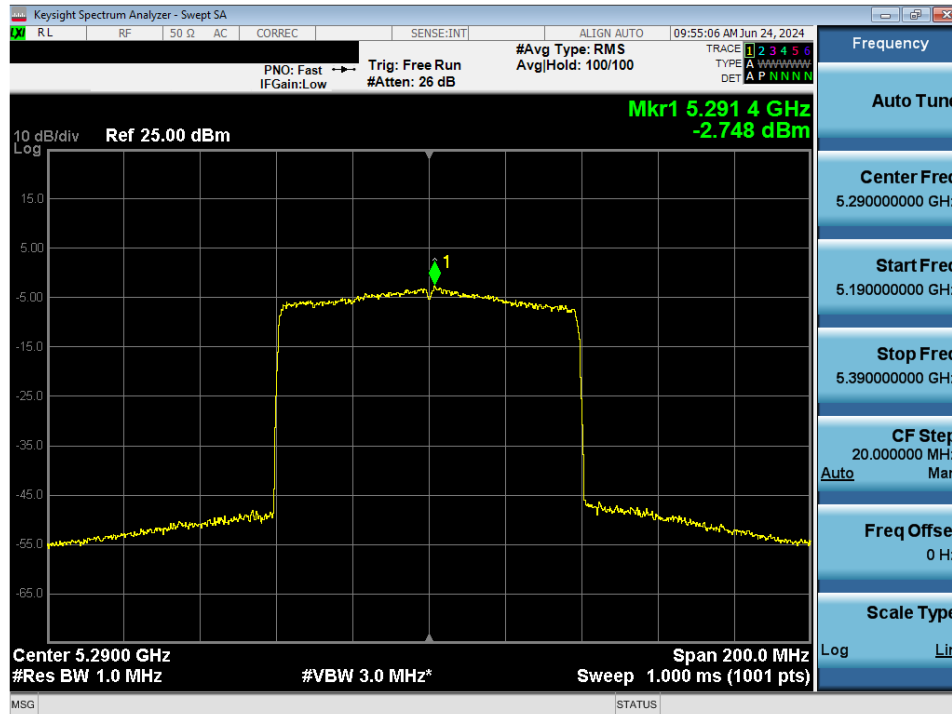


Plot 7-185. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 242 Tones (UNII Band 2A) – Ch. 56)

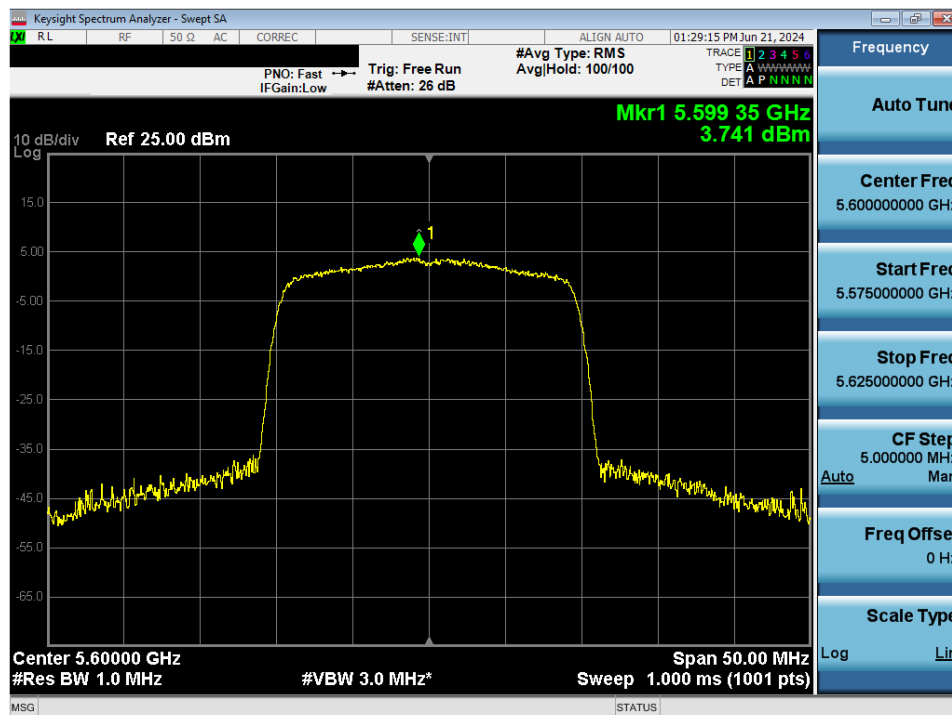


Plot 7-186. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be – 484 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-187. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be – 996 Tones (UNII Band 2A) – Ch. 58)



Plot 7-188. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be – 242 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMX920	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140042-06.A3L	Test Dates: 6/20/2024 - 8/12/2023	EUT Type: Portable Tablet	Page 127 of 180