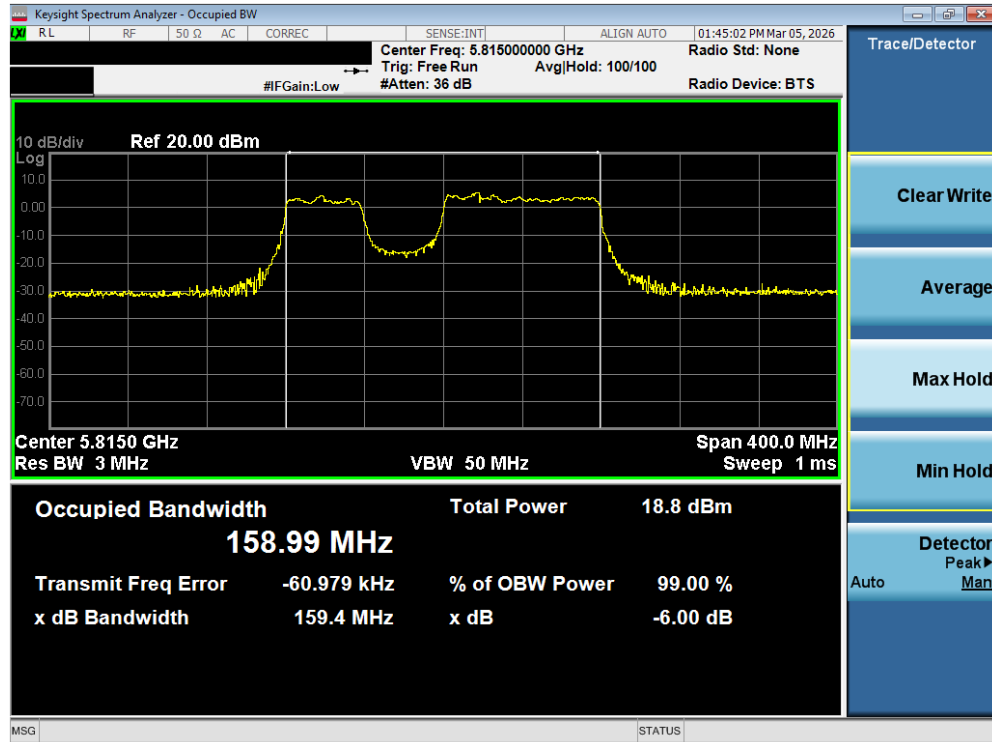
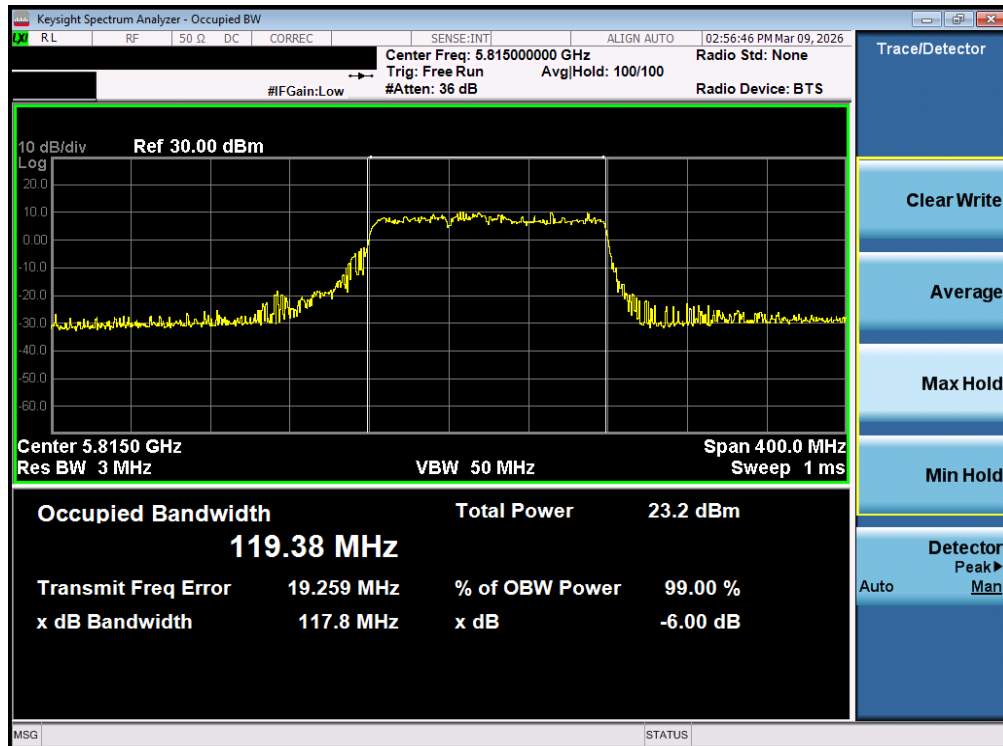




Plot 7-112. OBW Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) – Puncture



Plot 7-113. OBW Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 4) – Ch. 171) - Puncture

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 82 of 182

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 C63.10-2020, and at the appropriate frequencies.

The output power limits are as 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 C63.10-2020 – Section 12.3.3.2 Method PM-G

ANSI C63.10-2020 – 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

- Per FCC Part 15.407, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 83 of 182

MIMO Maximum Conducted Output Power Measurements

5GHz WIFI (20MHz 802.11a MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5180	36	16.99	16.83	19.92	23.98	-4.06	7.72	27.64	30.00	-2.36
	5200	40	16.95	16.86	19.92	23.98	-4.06	7.72	27.64	30.00	-2.36
	5220	44	16.87	16.84	19.87	23.98	-4.11	7.72	27.59	30.00	-2.41
	5240	48	16.90	16.85	19.89	23.98	-4.09	7.72	27.61	30.00	-2.39
UNII-2A	5260	52	17.45	17.43	20.45	23.98	-3.53	7.61	28.06	30.00	-1.94
	5280	56	17.32	17.25	20.30	23.98	-3.68	7.61	27.91	30.00	-2.09
	5300	60	17.46	17.43	20.46	23.98	-3.52	7.61	28.07	30.00	-1.93
	5320	64	14.89	14.65	17.78	23.98	-6.20	7.61	25.39	30.00	-4.61
UNII-2C	5500	100	17.10	17.21	20.17	23.98	-3.81	7.59	27.76	30.00	-2.24
	5600	120	17.41	17.49	20.46	23.98	-3.52	7.59	28.05	30.00	-1.95
	5620	124	17.46	17.35	20.42	23.98	-3.56	7.59	28.00	30.00	-2.00
	5720	144	16.99	16.92	19.96	23.98	-4.02	7.59	27.55	30.00	-2.45
UNII-3	5745	149	14.99	14.80	17.90	30.00	-12.10	7.50	25.41	36.00	-10.59
	5785	157	20.47	20.30	23.40	30.00	-6.60	7.50	30.90	36.00	-5.10
	5825	165	20.48	20.23	23.37	30.00	-6.63	7.50	30.87	36.00	-5.13
UNII-4	5845	169	14.42	13.84	17.15	-	-	7.20	24.35	30.00	-5.65
	5865	173	14.38	13.88	17.15	-	-	7.20	24.34	30.00	-5.66
	5885	177	14.33	13.87	17.12	-	-	7.20	24.31	30.00	-5.69

Table 7-8. MIMO 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz WIFI (20MHz 802.11n MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5180	36	17.46	17.34	20.41	23.98	-3.57	7.72	28.13	30.00	-1.87
	5200	40	17.38	17.30	20.35	23.98	-3.63	7.72	28.07	30.00	-1.93
	5220	44	17.33	17.30	20.33	23.98	-3.65	7.72	28.05	30.00	-1.95
	5240	48	17.33	17.30	20.33	23.98	-3.65	7.72	28.05	30.00	-1.95
UNII-2A	5260	52	17.27	17.19	20.24	23.98	-3.74	7.61	27.85	30.00	-2.15
	5280	56	17.13	17.10	20.13	23.98	-3.85	7.61	27.74	30.00	-2.26
	5300	60	17.31	17.15	20.24	23.98	-3.74	7.61	27.85	30.00	-2.15
	5320	64	14.89	14.64	17.77	23.98	-6.21	7.61	25.38	30.00	-4.62
UNII-2C	5500	100	17.77	17.46	20.63	23.98	-3.35	7.59	28.22	30.00	-1.78
	5620	124	17.96	17.99	20.99	23.98	-2.99	7.59	28.57	30.00	-1.43
	5700	140	17.99	17.86	20.94	23.98	-3.04	7.59	28.52	30.00	-1.48
	5720	144	16.99	16.96	19.99	23.98	-3.99	7.59	27.57	30.00	-2.43
UNII-3	5745	149	14.64	14.23	17.45	30.00	-12.55	7.50	24.96	36.00	-11.04
	5785	157	20.45	20.27	23.37	30.00	-6.63	7.50	30.87	36.00	-5.13
	5825	165	20.49	20.26	23.39	30.00	-6.61	7.50	30.89	36.00	-5.11
UNII-4	5845	169	14.44	13.84	17.16	-	-	7.20	24.36	30.00	-5.64
	5865	173	14.39	13.86	17.14	-	-	7.20	24.34	30.00	-5.66
	5885	177	14.32	13.85	17.10	-	-	7.20	24.30	30.00	-5.70

Table 7-9. MIMO 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

5GHz WIFI (20MHz 802.11ac MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5180	36	17.32	17.44	20.39	23.98	-3.59	7.72	28.11	30.00	-1.89
	5200	40	17.02	16.99	20.01	23.98	-3.97	7.72	27.73	30.00	-2.27
	5220	44	17.43	17.46	20.45	23.98	-3.53	7.72	28.17	30.00	-1.83
	5240	48	17.37	17.46	20.43	23.98	-3.55	7.72	28.15	30.00	-1.85
UNII-2A	5260	52	17.36	17.15	20.27	23.98	-3.71	7.61	27.88	30.00	-2.12
	5280	56	17.29	17.23	20.27	23.98	-3.71	7.61	27.88	30.00	-2.12
	5300	60	17.40	17.14	20.28	23.98	-3.70	7.61	27.89	30.00	-2.11
	5320	64	14.93	14.67	17.81	23.98	-6.17	7.61	25.42	30.00	-4.58
UNII-2C	5500	100	17.57	17.71	20.65	23.98	-3.33	7.59	28.24	30.00	-1.76
	5600	120	17.73	17.91	20.83	23.98	-3.15	7.59	28.42	30.00	-1.58
	5620	124	17.73	17.94	20.84	23.98	-3.14	7.59	28.43	30.00	-1.57
	5720	144	16.63	16.45	19.55	23.98	-4.43	7.59	27.14	30.00	-2.86
UNII-3	5745	149	14.66	14.23	17.46	30.00	-12.54	7.50	24.96	36.00	-11.04
	5785	157	20.49	20.36	23.44	30.00	-6.56	7.50	30.94	36.00	-5.06
	5825	165	20.49	20.23	23.37	30.00	-6.63	7.50	30.87	36.00	-5.13
UNII-4	5845	169	14.47	14.10	17.30	-	-	7.20	24.49	30.00	-5.51
	5865	173	14.47	14.07	17.29	-	-	7.20	24.48	30.00	-5.52
	5885	177	14.99	14.51	17.77	-	-	7.20	24.96	30.00	-5.04

Table 7-10. MIMO 20MHz BW 802.11ac (UNII) Maximum Conducted Output Power

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 84 of 182

5GHz WIFI (20MHz 802.11ax MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5180	36	17.37	17.31	20.35	23.98	-3.63	7.72	28.07	30.00	-1.93
	5200	40	16.87	16.89	19.89	23.98	-4.09	7.72	27.61	30.00	-2.39
	5220	44	16.92	16.82	19.88	23.98	-4.10	7.72	27.60	30.00	-2.40
	5240	48	17.38	17.49	20.44	23.98	-3.54	7.72	28.16	30.00	-1.84
UNII-2A	5260	52	17.31	17.18	20.25	23.98	-3.73	7.61	27.86	30.00	-2.14
	5280	56	17.39	17.13	20.27	23.98	-3.71	7.61	27.88	30.00	-2.12
	5300	60	17.33	17.16	20.26	23.98	-3.72	7.61	27.87	30.00	-2.13
	5320	64	14.90	14.62	17.77	23.98	-6.21	7.61	25.38	30.00	-4.62
UNII-2C	5500	100	17.58	17.60	20.60	23.98	-3.38	7.59	28.19	30.00	-1.81
	5600	120	17.79	17.92	20.86	23.98	-3.12	7.59	28.45	30.00	-1.55
	5620	124	17.63	17.83	20.74	23.98	-3.24	7.59	28.33	30.00	-1.67
	5720	144	16.99	16.96	19.99	23.98	-3.99	7.59	27.57	30.00	-2.43
UNII-3	5745	149	14.99	14.72	17.87	30.00	-12.13	7.50	25.37	36.00	-10.63
	5785	157	20.49	20.34	23.43	30.00	-6.57	7.50	30.93	36.00	-5.07
	5825	165	20.49	20.15	23.33	30.00	-6.67	7.50	30.84	36.00	-5.16
UNII-4	5845	169	14.31	13.77	17.06	-	-	7.20	24.26	30.00	-5.74
	5865	173	14.31	13.77	17.06	-	-	7.20	24.26	30.00	-5.74
	5885	177	14.80	14.35	17.59	-	-	7.20	24.79	30.00	-5.21

Table 7-11. MIMO 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz WIFI (20MHz 802.11be MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5180	36	17.43	17.36	20.41	23.98	-3.57	7.72	28.13	30.00	-1.87
	5200	40	17.36	17.31	20.35	23.98	-3.63	7.72	28.07	30.00	-1.93
	5220	44	17.37	17.22	20.31	23.98	-3.67	7.72	28.03	30.00	-1.97
	5240	48	17.36	17.30	20.34	23.98	-3.64	7.72	28.06	30.00	-1.94
UNII-2A	5260	52	17.31	17.19	20.26	23.98	-3.72	7.61	27.87	30.00	-2.13
	5280	56	17.38	17.14	20.27	23.98	-3.71	7.61	27.88	30.00	-2.12
	5300	60	17.34	17.18	20.27	23.98	-3.71	7.61	27.88	30.00	-2.12
	5320	64	14.88	14.59	17.75	23.98	-6.23	7.61	25.36	30.00	-4.64
UNII-2C	5500	100	17.58	17.60	20.60	23.98	-3.38	7.59	28.19	30.00	-1.81
	5600	120	17.79	17.84	20.82	23.98	-3.16	7.59	28.41	30.00	-1.59
	5620	124	17.66	17.85	20.76	23.98	-3.22	7.59	28.35	30.00	-1.65
	5720	144	16.99	16.87	19.94	23.98	-4.04	7.59	27.53	30.00	-2.47
UNII-3	5745	149	14.99	14.75	17.88	30.00	-12.12	7.50	25.39	36.00	-10.61
	5785	157	20.49	20.28	23.40	30.00	-6.60	7.50	30.90	36.00	-5.10
	5825	165	20.49	20.17	23.34	30.00	-6.66	7.50	30.85	36.00	-5.15
UNII-4	5845	169	14.32	13.75	17.05	-	-	7.20	24.25	30.00	-5.75
	5865	173	14.29	13.74	17.03	-	-	7.20	24.23	30.00	-5.77
	5885	177	14.78	14.33	17.57	-	-	7.20	24.77	30.00	-5.23

Table 7-12. MIMO 20MHz BW 802.11be (UNII) Maximum Conducted Output Power

5GHz WIFI (40MHz 802.11n MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5190	38	14.80	14.80	17.81	23.98	-6.17	7.72	25.53	30.00	-4.47
	5230	46	14.85	14.97	17.92	23.98	-6.06	7.72	25.64	30.00	-4.36
UNII-2A	5270	54	14.84	14.68	17.77	23.98	-6.21	7.61	25.38	30.00	-4.62
	5310	62	14.86	14.69	17.78	23.98	-6.20	7.61	25.39	30.00	-4.61
UNII-2C	5510	102	14.63	14.93	17.79	23.98	-6.19	7.59	25.38	30.00	-4.62
	5590	118	14.71	14.91	17.82	23.98	-6.16	7.59	25.41	30.00	-4.59
	5630	126	14.63	14.84	17.75	23.98	-6.23	7.59	25.34	30.00	-4.66
	5710	142	14.93	14.97	17.96	23.98	-6.02	7.59	25.55	30.00	-4.45
UNII-3	5755	151	17.56	17.30	20.44	30.00	-9.56	7.50	27.94	36.00	-8.06
	5795	159	17.59	17.29	20.45	30.00	-9.55	7.50	27.95	36.00	-8.05
UNII-4	5835	167	17.03	16.47	19.77	-	-	7.20	26.97	30.00	-3.03
	5875	175	17.11	16.53	19.84	-	-	7.20	27.04	30.00	-2.96

Table 7-13. MIMO 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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5GHz WIFI (40MHz 802.11ac MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5190	38	14.82	14.85	17.85	23.98	-6.13	7.72	25.57	30.00	-4.43
	5230	46	14.85	14.94	17.91	23.98	-6.07	7.72	25.63	30.00	-4.37
UNII-2A	5270	54	14.85	14.67	17.77	23.98	-6.21	7.61	25.38	30.00	-4.62
	5310	62	14.84	14.68	17.77	23.98	-6.21	7.61	25.38	30.00	-4.62
UNII-2C	5510	102	14.70	14.92	17.83	23.98	-6.15	7.59	25.42	30.00	-4.58
	5590	118	14.70	14.86	17.79	23.98	-6.19	7.59	25.38	30.00	-4.62
	5630	126	14.63	14.86	17.76	23.98	-6.22	7.59	25.35	30.00	-4.65
	5710	142	14.92	14.94	17.94	23.98	-6.04	7.59	25.53	30.00	-4.47
UNII-3	5755	151	17.54	17.32	20.44	30.00	-9.56	7.50	27.94	36.00	-8.06
	5795	159	17.99	17.89	20.95	30.00	-9.05	7.50	28.45	36.00	-7.55
UNII-4	5835	167	17.05	16.62	19.85	-	-	7.20	27.05	30.00	-2.95
	5875	175	17.16	16.54	19.87	-	-	7.20	27.07	30.00	-2.93

Table 7-14. MIMO 40MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz WIFI (40MHz 802.11ax MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5190	38	14.86	14.95	17.91	23.98	-6.07	7.72	25.63	30.00	-4.37
	5230	46	14.94	14.99	17.98	23.98	-6.00	7.72	25.70	30.00	-4.30
UNII-2A	5270	54	14.86	14.73	17.80	23.98	-6.18	7.61	25.41	30.00	-4.59
	5310	62	14.86	14.75	17.81	23.98	-6.17	7.61	25.42	30.00	-4.58
UNII-2C	5510	102	14.67	14.99	17.84	23.98	-6.14	7.59	25.43	30.00	-4.57
	5590	118	14.71	14.99	17.86	23.98	-6.12	7.59	25.45	30.00	-4.55
	5630	126	14.64	14.98	17.82	23.98	-6.16	7.59	25.41	30.00	-4.59
	5710	142	14.93	14.99	17.97	23.98	-6.01	7.59	25.56	30.00	-4.44
UNII-3	5755	151	17.58	17.44	20.52	30.00	-9.48	7.50	28.02	36.00	-7.98
	5795	159	17.63	17.46	20.56	30.00	-9.44	7.50	28.06	36.00	-7.94
UNII-4	5835	167	17.09	16.74	19.93	-	-	7.20	27.13	30.00	-2.87
	5875	175	17.10	16.70	19.91	-	-	7.20	27.11	30.00	-2.89

Table 7-15. MIMO 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz WIFI (40MHz 802.11be MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5190	38	14.84	14.95	17.91	23.98	-6.07	7.72	25.63	30.00	-4.37
	5230	46	14.83	14.99	17.92	23.98	-6.06	7.72	25.64	30.00	-4.36
UNII-2A	5270	54	14.87	14.75	17.82	23.98	-6.16	7.61	25.43	30.00	-4.57
	5310	62	14.88	14.78	17.84	23.98	-6.14	7.61	25.45	30.00	-4.55
UNII-2C	5510	102	14.68	14.99	17.85	23.98	-6.13	7.59	25.44	30.00	-4.56
	5590	118	14.69	14.99	17.85	23.98	-6.13	7.59	25.44	30.00	-4.56
	5630	126	14.62	14.98	17.81	23.98	-6.17	7.59	25.40	30.00	-4.60
	5710	142	14.93	14.99	17.97	23.98	-6.01	7.59	25.56	30.00	-4.44
UNII-3	5755	151	17.60	17.44	20.53	30.00	-9.47	7.50	28.03	36.00	-7.97
	5795	159	17.65	17.47	20.57	30.00	-9.43	7.50	28.07	36.00	-7.93
UNII-4	5835	167	17.09	16.74	19.93	-	-	7.20	27.13	30.00	-2.87
	5875	175	17.10	16.70	19.91	-	-	7.20	27.11	30.00	-2.89

Table 7-16. MIMO 40MHz BW 802.11be (UNII) Maximum Conducted Output Power

5GHz WIFI (80MHz 802.11ac MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5210	42	14.14	14.14	17.15	23.98	-6.83	7.72	24.87	30.00	-5.13
UNII-2A	5290	58	14.19	13.99	17.10	23.98	-6.88	7.61	24.71	30.00	-5.29
	5530	106	12.99	13.27	16.15	23.98	-7.83	7.59	23.74	30.00	-6.26
UNII-2C	5610	122	12.83	13.22	16.04	23.98	-7.94	7.59	23.63	30.00	-6.37
	5690	138	17.40	17.72	20.57	23.98	-3.41	7.59	28.16	30.00	-1.84
UNII-3	5775	155	13.39	13.07	16.24	30.00	-13.76	7.50	23.74	36.00	-12.26
UNII-4	5855	171	12.98	12.58	15.79	-	-	7.50	23.29	30.00	-6.71

Table 7-17. MIMO 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

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5GHz WIFI (80MHz 802.11ax MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5210	42	14.21	14.14	17.19	23.98	-6.79	7.72	24.91	30.00	-5.09
UNII-2A	5290	58	14.23	14.01	17.13	23.98	-6.85	7.61	24.74	30.00	-5.26
UNII-2C	5530	106	13.01	13.34	16.19	23.98	-7.79	7.59	23.78	30.00	-6.22
	5610	122	12.91	13.27	16.10	23.98	-7.88	7.59	23.69	30.00	-6.31
	5690	138	17.48	17.77	20.64	23.98	-3.34	7.59	28.23	30.00	-1.77
UNII-3	5775	155	13.45	13.12	16.30	30.00	-13.70	7.50	23.80	36.00	-12.20
UNII-4	5855	171	12.98	12.60	15.81	-	-	7.50	23.31	30.00	-6.69

Table 7-18. MIMO 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz WIFI (80MHz 802.11be MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5210	42	14.22	14.20	17.22	23.98	-6.76	7.72	24.94	30.00	-5.06
UNII-2A	5290	58	14.24	14.00	17.13	23.98	-6.85	7.61	24.74	30.00	-5.26
UNII-2C	5530	106	12.97	13.35	16.17	23.98	-7.81	7.59	23.76	30.00	-6.24
	5610	122	12.91	13.30	16.12	23.98	-7.86	7.59	23.71	30.00	-6.29
	5690	138	17.46	17.77	20.62	23.98	-3.36	7.59	28.21	30.00	-1.79
UNII-3	5775	155	13.44	13.12	16.29	30.00	-13.71	7.50	23.79	36.00	-12.21
UNII-4	5855	171	12.97	12.55	15.77	-	-	7.50	23.27	30.00	-6.73

Table 7-19. MIMO 80MHz BW 802.11be (UNII) Maximum Conducted Output Power

5GHz WIFI (160MHz 802.11ac MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1/2A	5250	50	13.52	13.55	16.55	23.98	-7.43	7.72	24.27	30.00	-5.73
UNII-2C	5570	114	12.74	13.02	15.89	23.98	-8.09	7.59	23.48	30.00	-6.52
UNII-3/4	5815	163	12.35	11.95	15.16	30.00	-14.84	7.50	22.66	30.00	-7.34

Table 7-20. MIMO 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz WIFI (160MHz 802.11ax MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1/2A	5250	50	13.65	13.67	16.67	23.98	-7.31	7.72	24.39	30.00	-5.61
UNII-2C	5570	114	12.80	13.06	15.94	23.98	-8.04	7.59	23.53	30.00	-6.47
UNII-3/4	5815	163	12.41	12.08	15.26	30.00	-14.74	7.50	22.76	30.00	-7.24

Table 7-21. MIMO 160MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz WIFI (160MHz 802.11be MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1/2A	5250	50	13.51	13.55	16.54	23.98	-7.44	7.72	24.26	30.00	-5.74
UNII-2C	5570	114	12.73	13.00	15.88	23.98	-8.10	7.59	23.47	30.00	-6.53
UNII-3/4	5815	163	12.35	12.01	15.20	30.00	-14.80	7.50	22.70	30.00	-7.30

Table 7-22. MIMO 160MHz BW 802.11be (UNII) Maximum Conducted Output Power

80MHz BW	Band	Freq [MHz]	Channel	Puncture Size	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]
					Puncture Case											
					90			93								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1	5210	42	20MHz	10.75	10.56	13.67	10.76	10.57	13.68	23.98	-10.30	7.72	21.39	30.00	-8.61	
2A	5290	58	20MHz	12.69	12.57	15.64	12.70	12.57	15.65	23.98	-8.33	7.61	23.26	30.00	-6.74	
3	5380	106	20MHz	12.17	12.03	15.11	12.16	12.04	15.11	23.98	-8.87	7.59	22.70	30.00	-7.30	
	5420	122	20MHz	12.05	12.14	15.11	12.06	12.12	15.10	23.98	-8.87	7.59	22.69	30.00	-7.31	
	5690	138	20MHz	17.84	17.72	20.79	17.79	17.71	20.76	23.98	-3.19	7.59	28.38	30.00	-1.62	
4	575	155	20MHz	13.48	12.87	16.20	13.45	12.85	16.17	30.00	-13.80	7.50	23.70	36.00	-12.30	
	5855	171	20MHz	12.98	12.54	15.78	12.99	12.50	15.76	-	-	7.20	22.97	30.00	-7.03	

Table 7-23. MIMO 80MHz BW 802.11be (UNII) Maximum Conducted Output Power - Punctured

160MHz BW	Band	Freq [MHz]	Channel	Puncture Size	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]
					Puncture Case											
					94			1095								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1/2A	2C	5250	50	40MHz	10.79	10.42	13.62	10.80	10.50	13.66	23.98	-10.32	7.72	21.38	30.00	-8.62
					12.15	12.17	15.17	12.15	12.22	15.20	23.98	-8.78	7.59	22.78	30.00	-7.22
					12.22	11.72	14.99	12.22	11.83	15.04	-	-	7.20	22.24	30.00	-7.76

Table 7-24. MIMO 160MHz BW 802.11be (UNII) Maximum Conducted Output Power - Punctured

160MHz BW	Band	Freq [MHz]	Channel	Puncture Size	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]
					Puncture Case											
					96			1099								
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO						
1/2A	5250	50	20MHz	10.80	10.59	13.71	10.80	10.60	13.71	23.98	-10.27	7.72	21.43	30.00	-8.57	
	2C	5570	20MHz	12.22	12.25	15.25	12.14	12.17	15.17	23.98	-8.73	7.59	22.83	30.00	-7.17	
	12C	5715	163	20MHz	12.22	11.67	14.94	12.22	11.67	14.96	-	-	7.20	22.16	30.00	-7.84

Table 7-25. MIMO 160MHz BW 802.11be (UNII) Maximum Conducted Output Power - Punctured

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Note:

Per ANSI C63.10-2020, 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 C63.10-2020 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 802.11a (20MHz BW) mode, the average conducted output power was measured to be 16.99 dBm for Antenna 1 and 16.83 dBm for Antenna 2.

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

$$(16.99 \text{ dBm} + 16.83 \text{ dBm}) = (50.00 \text{ mW} + 48.19 \text{ mW}) = 98.19 \text{ mW} = 19.92 \text{ dBm}$$

Sample e.i.r.p Calculation:

At 5180MHz in 802.11a (20MHz BW) mode, the average MIMO conducted power was calculated to be 19.92 dBm with directional gain of 7.72 dBi.

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

$$19.92 \text{ dBm} + 7.72 \text{ dBi} = 27.64 \text{ dBm}$$

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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 C63.10-2020, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020, 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 Power Spectral Density
		FCC
UNII 1	5.15 – 5.25GHz	11dBm/MHz
UNII 2A	5.25 – 5.35GHz	11dBm/MHz
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 C63.10-2020 – Section 12.3.2.3 (Method SA-2)

ANSI C63.10-2020 – 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

1. All cases were investigated; a subset of the taken plots were included to represent relevant settings and measurements.
2. Per FCC Part 15.407, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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Summed MIMO Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	PSD Limit [dBm]	Margin [dB]
Band 1	5180	36	a	5.43	5.39	8.42	9.28	-0.86
	5200	40	a	5.33	5.25	8.30	9.28	-0.98
	5240	48	a	5.69	5.78	8.75	9.28	-0.54
	5180	36	n	5.73	5.49	8.62	9.28	-0.66
	5200	40	n	5.48	5.70	8.60	9.28	-0.68
	5240	48	n	5.59	5.74	8.68	9.28	-0.61
	5180	36	be SU	5.68	5.18	8.45	9.28	-0.84
	5200	40	be SU	5.32	5.50	8.42	9.28	-0.86
	5240	48	be SU	5.69	5.74	8.73	9.28	-0.56
	5190	38	n	-0.22	-0.19	2.81	9.28	-6.47
	5230	46	n	-0.35	-0.23	2.72	9.28	-6.56
	5190	38	be SU	-0.32	-0.42	2.64	9.28	-6.65
	5230	46	be SU	-0.55	-0.37	2.55	9.28	-6.73
	5210	42	ac	-3.78	-3.65	-0.70	9.28	-9.98
Band 1/2A	5210	42	be SU	-3.55	-3.43	-0.48	9.28	-9.77
	5250	50	ac	-6.04	-5.61	-2.81	9.28	-12.09
Band 2A	5250	50	be SU	-5.80	-5.91	-2.84	9.28	-12.12
	5260	52	a	5.73	5.77	8.76	9.39	-0.63
	5280	56	a	5.68	5.75	8.72	9.39	-0.66
	5320	64	a	3.23	3.33	6.29	9.39	-3.10
	5260	52	n	5.91	5.56	8.75	9.39	-0.64
	5280	56	n	5.60	5.60	8.61	9.39	-0.78
	5320	64	n	3.35	2.70	6.05	9.39	-3.34
	5260	52	be SU	5.64	5.76	8.71	9.39	-0.67
	5280	56	be SU	5.79	5.68	8.74	9.39	-0.64
	5320	64	be SU	2.91	2.60	5.77	9.39	-3.62
	5270	54	n	-0.16	-0.13	2.86	9.39	-6.52
	5310	62	n	-0.13	-0.17	2.86	9.39	-6.52
	5270	54	be SU	-0.36	-0.32	2.67	9.39	-6.71
	5310	62	be SU	-0.32	-0.22	2.74	9.39	-6.65
	5290	58	ac	-3.55	-3.62	-0.57	9.39	-9.96
	5290	58	be SU	-3.62	-3.54	-0.57	9.39	-9.96
Band 2C	5500	100	a	6.11	5.97	9.05	9.41	-0.36
	5600	120	a	6.04	6.30	9.18	9.41	-0.23
	5720	144	a	6.14	6.03	9.10	9.41	-0.32
	5500	100	n	6.16	5.98	9.08	9.41	-0.33
	5600	120	n	6.26	6.52	9.40	9.41	-0.01
	5720	144	n	6.40	6.19	9.31	9.41	-0.10
	5500	100	be SU	6.01	5.68	8.86	9.41	-0.56
	5600	120	be SU	6.09	6.19	9.15	9.41	-0.26
	5720	144	be SU	5.19	4.77	8.00	9.41	-1.42
	5510	102	n	-0.03	0.07	3.03	9.41	-6.38
	5590	118	n	0.19	0.34	3.27	9.41	-6.14
	5710	142	n	0.15	0.07	3.12	9.41	-6.29
	5510	102	be SU	-0.11	-0.01	2.95	9.41	-6.46
	5590	118	be SU	-0.05	0.35	3.16	9.41	-6.25
	5710	142	be SU	-0.08	-0.08	2.93	9.41	-6.48
	5530	106	ac	-4.57	-4.62	-1.59	9.41	-11.00
	5610	122	ac	-4.78	-4.58	-1.67	9.41	-11.08
	5690	138	ac	-0.06	0.27	3.12	9.41	-6.29
	5530	106	be SU	-4.87	-4.58	-1.71	9.41	-11.13
	5610	122	be SU	-4.62	-4.42	-1.51	9.41	-10.92
	5690	138	be SU	-0.14	0.33	3.11	9.41	-6.30
	5570	114	ac	-6.63	-6.32	-3.46	9.41	-12.88
	5570	114	be SU	-6.62	-6.32	-3.46	9.41	-12.87

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

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	Frequency [MHz]	Channel	802.11 MODE	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	PSD Limit[dBm]	Margin [dB]
Band 3	5745	149	a	0.70	0.33	3.53	28.50	-24.97
	5785	157	a	6.31	6.02	9.18	28.50	-19.32
	5825	165	a	6.48	6.07	9.29	28.50	-19.21
	5745	149	n	0.11	-0.49	2.83	28.50	-25.67
	5785	157	n	6.07	5.59	8.84	28.50	-19.65
	5825	165	n	6.18	5.85	9.03	28.50	-19.47
	5745	149	be SU	2.91	2.36	5.66	28.50	-22.84
	5785	157	be SU	5.94	5.29	8.63	28.50	-19.86
	5825	165	be SU	5.81	5.45	8.64	28.50	-19.86
	5755	151	n	-0.12	-0.34	2.78	28.50	-25.72
	5795	159	n	-0.25	-0.32	2.73	28.50	-25.77
	5755	151	be SU	-0.21	-0.25	2.78	28.50	-25.72
	5795	159	be SU	-0.39	-0.61	2.51	28.50	-25.99
	5775	155	ac	-7.34	-7.62	-4.47	28.50	-32.96
	5775	155	ax SU	-7.20	-7.50	-4.34	28.50	-32.84
	5775	155	be SU	-7.28	-7.62	-4.44	28.50	-32.93

Table 7-27. Band 3 MIMO Conducted Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO PSD [dBm]	Directional Antenna Gain [dBi]	EIRP PSD [dBm]	EIRP PSD Limit [dBm]	Margin [dB]
Band 3/4	5845	169	a	2.43	2.30	5.38	7.20	12.57	14.00	-1.43
Band 4	5865	173	a	2.51	2.24	5.39	7.20	12.58	14.00	-1.42
	5885	177	a	2.38	2.25	5.33	7.20	12.52	14.00	-1.48
Band 3/4	5845	169	n	2.07	2.06	5.08	7.20	12.27	14.00	-1.73
Band 4	5865	173	n	2.22	1.98	5.11	7.20	12.31	14.00	-1.69
	5885	177	n	2.05	2.04	5.06	7.20	12.25	14.00	-1.75
Band 3/4	5845	169	be SU	2.38	2.41	5.41	7.20	12.60	14.00	-1.40
Band 4	5865	173	be SU	2.33	2.27	5.31	7.20	12.51	14.00	-1.49
	5885	177	be SU	2.46	2.29	5.39	7.20	12.58	14.00	-1.42
Band 3/4	5835	167	n	2.40	2.48	5.45	7.20	12.65	14.00	-1.35
Band 4	5875	175	n	2.10	2.01	5.06	7.20	12.26	14.00	-1.74
Band 3/4	5835	167	be SU	2.33	2.34	5.35	7.20	12.54	14.00	-1.46
Band 4	5875	175	be SU	2.45	2.36	5.42	7.20	12.61	14.00	-1.39
Band 3/4	5855	171	ac	-4.60	-4.64	-1.61	7.20	5.59	14.00	-8.41
	5855	171	be SU	-4.66	-4.41	-1.52	7.20	5.67	14.00	-8.33
	5815	163	ac	-6.88	-7.39	-4.12	7.20	3.08	14.00	-10.92
	5815	163	be SU	-7.39	-7.50	-4.43	7.20	2.76	14.00	-11.24

Table 7-28. Bands 3/4 MIMO Conducted Power Spectral Density Measurements

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	PSD Limit [dBm]	Margin [dB]
Band 1	5210	42	be	20	-2.15	-2.27	0.80	9.28	-8.48
Band 1/2A	5250	50	be	20	-5.98	-5.87	-2.92	9.28	-12.20
	5250	50	be	40	-5.35	-4.89	-2.10	9.28	-11.38
Band 2A	5290	58	be	20	-2.47	-2.58	0.49	9.39	-8.90
Band 2C	5610	122	be	20	-3.26	-3.30	-0.27	9.41	-9.68
	5570	114	be	20	-6.57	-5.94	-3.23	9.41	-12.64
	5570	114	be	40	-5.92	-5.34	-2.61	9.41	-12.02

Table 7-29. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements - Punctured

	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	PSD Limit [dBm]	Margin [dB]
Band 3	5775	155	be	20	-6.02	-6.45	-3.22	28.50	-31.71

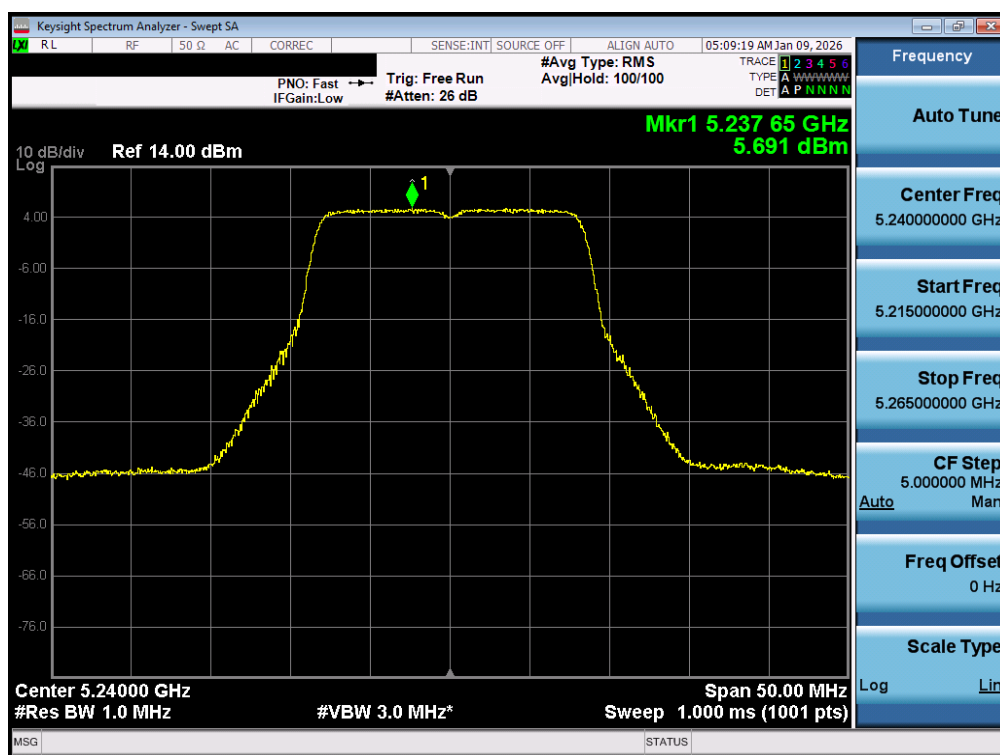
Table 7-30. Band 3 MIMO Conducted Power Spectral Density Measurements - Punctured

	Frequency [MHz]	Channel	802.11 MODE	Puncture Size [MHz]	Antenna 1 PSD [dBm]	Antenna 2 PSD [dBm]	MIMO Summed PSD [dBm]	Directional Antenna Gain [dBi]	EIRP PSD [dBm]	Max EIRP PSD [dBm]	Margin [dB]
Band 3/4	5855	171	be	20	-3.58	-3.92	-0.74	7.20	6.46	14.00	-7.54
	5815	163	be	20	-6.85	-7.10	-3.97	7.20	3.23	14.00	-10.77
	5815	163	be	40	-6.14	-6.50	-3.30	7.20	3.89	14.00	-10.11

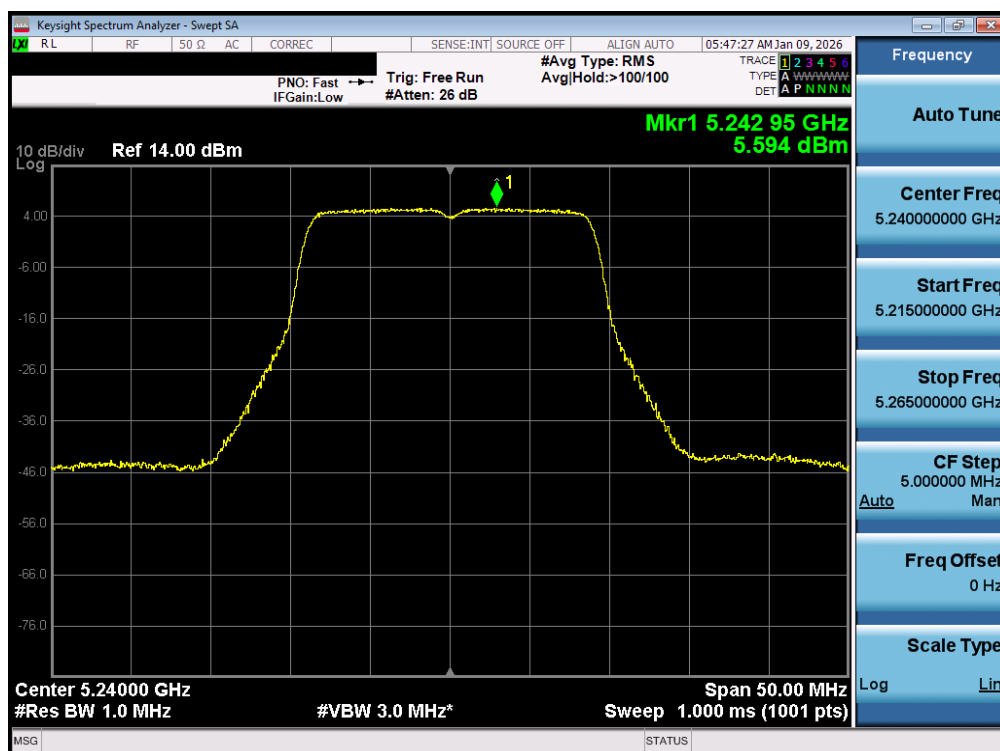
Table 7-31. Bands 3/4 MIMO Conducted Power Spectral Density Measurements - Punctured

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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7.5.1 MIMO Antenna-1 Power Spectral Density Measurements

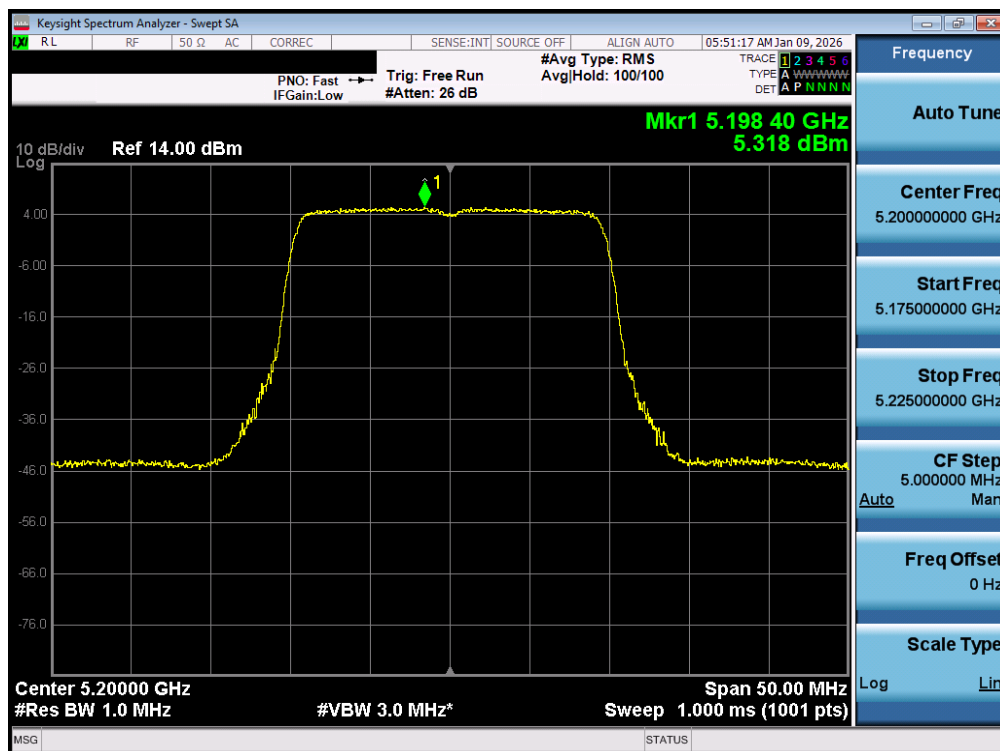


Plot 7-114. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 1) – Ch. 48)

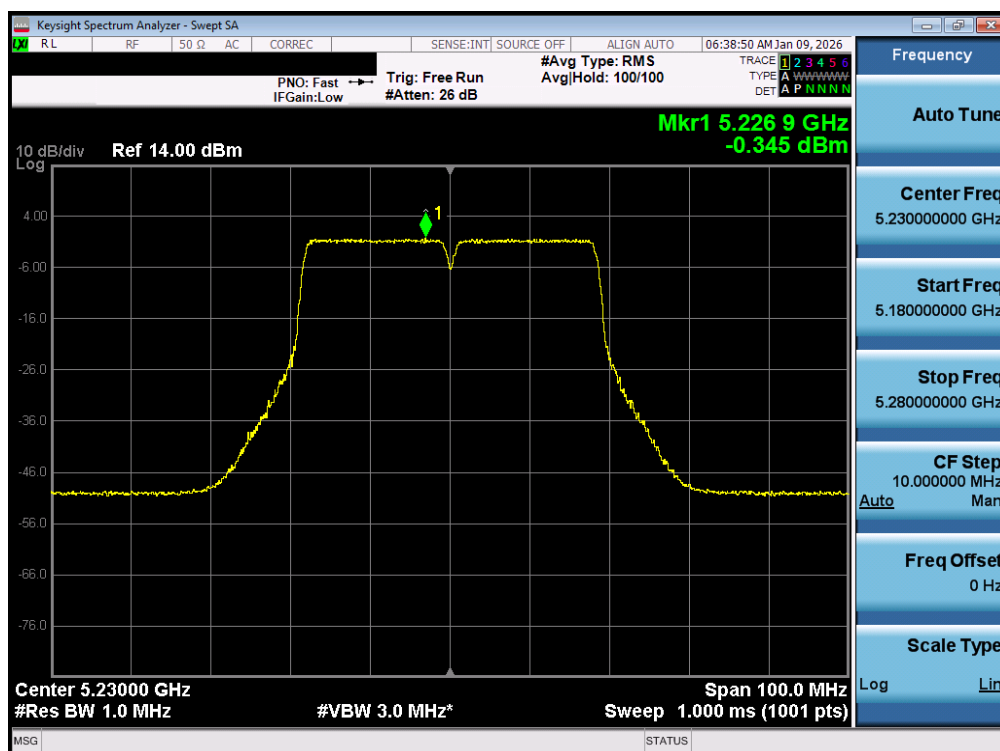


Plot 7-115. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 93 of 182

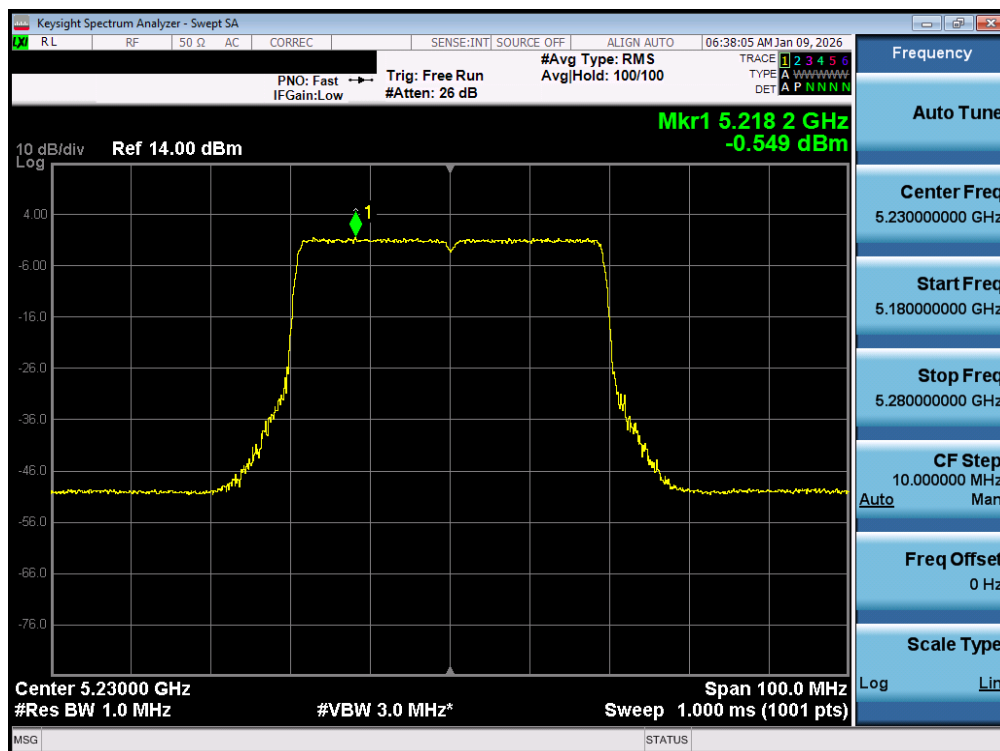


Plot 7-116. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 1) – Ch. 40)

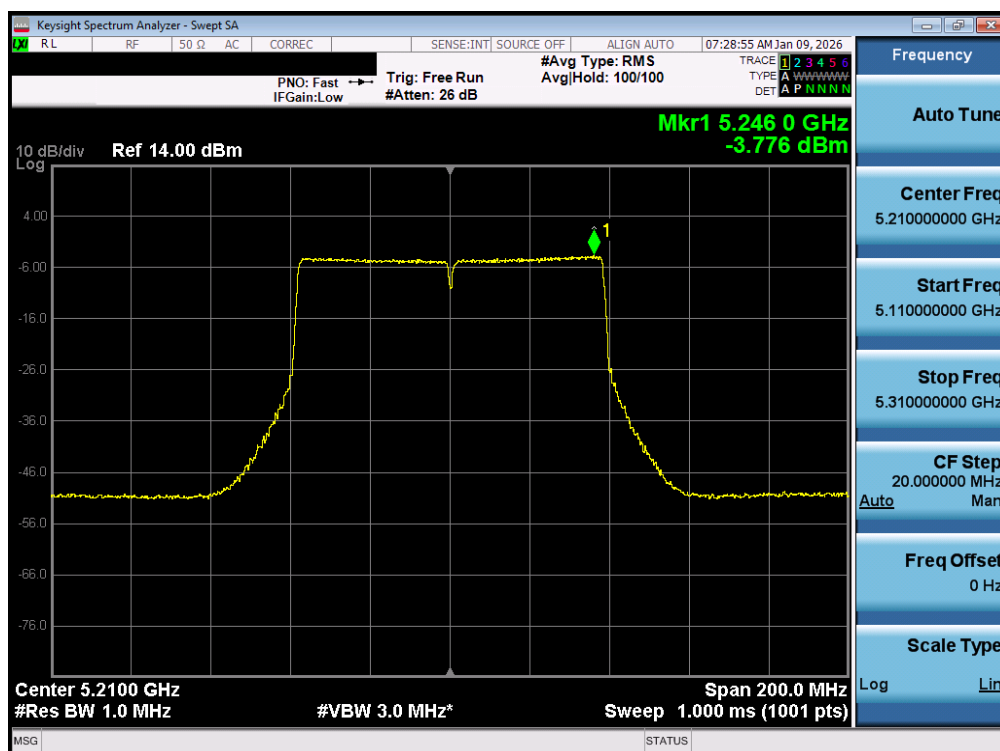


Plot 7-117. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 94 of 182

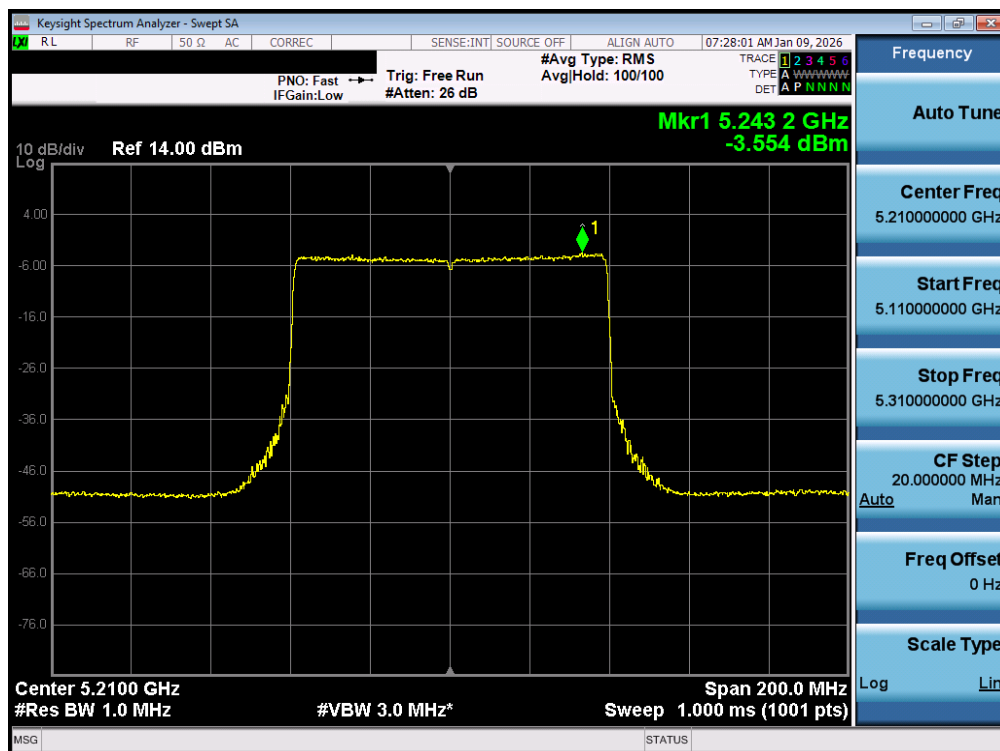


Plot 7-118. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 1) – Ch. 46)

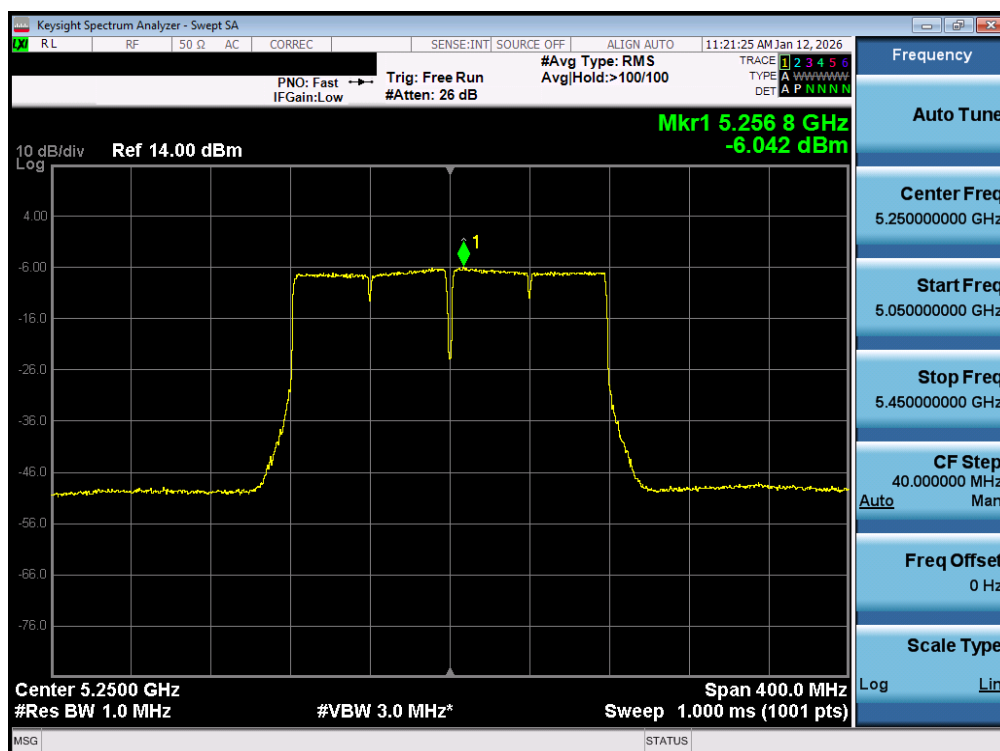


Plot 7-119. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 95 of 182

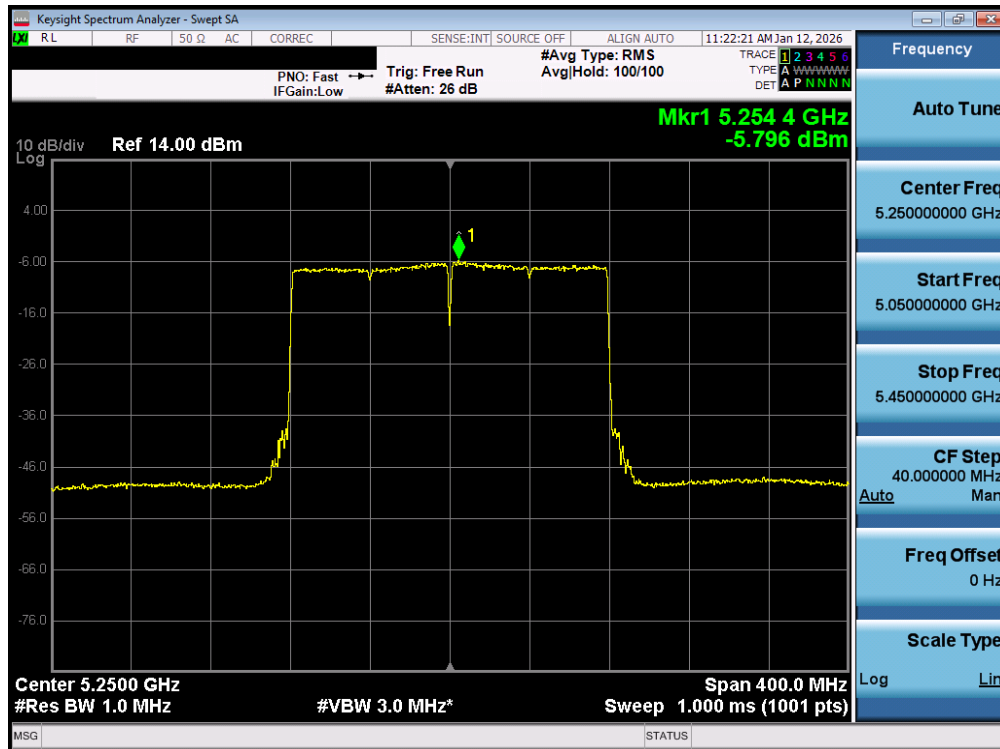


Plot 7-120. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 1) – Ch. 42)

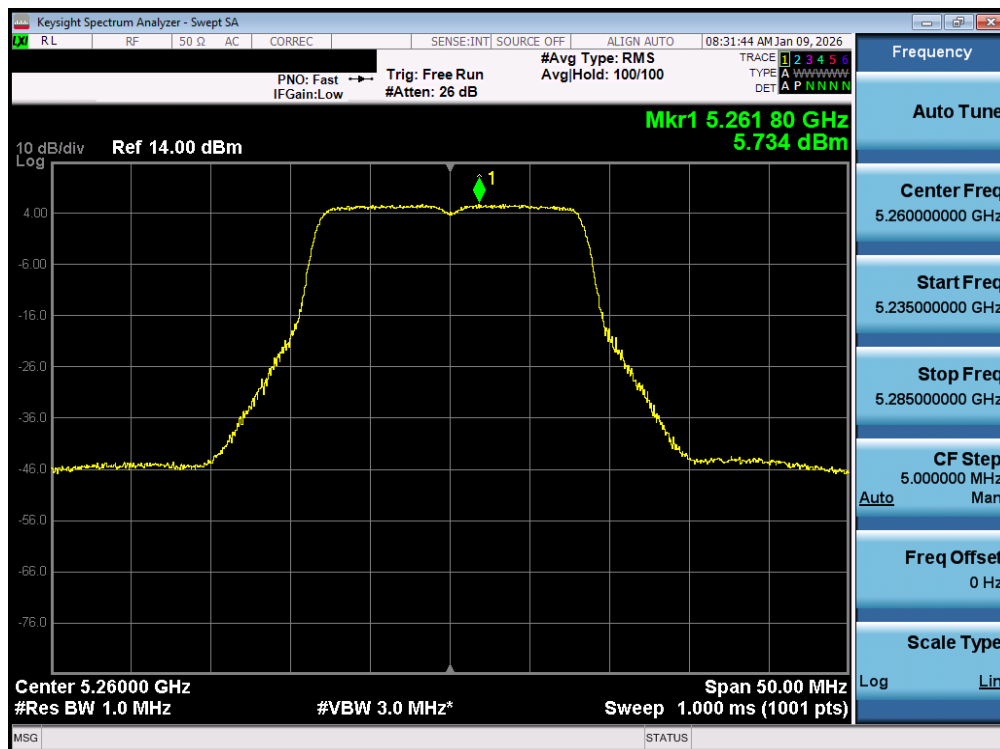


Plot 7-121. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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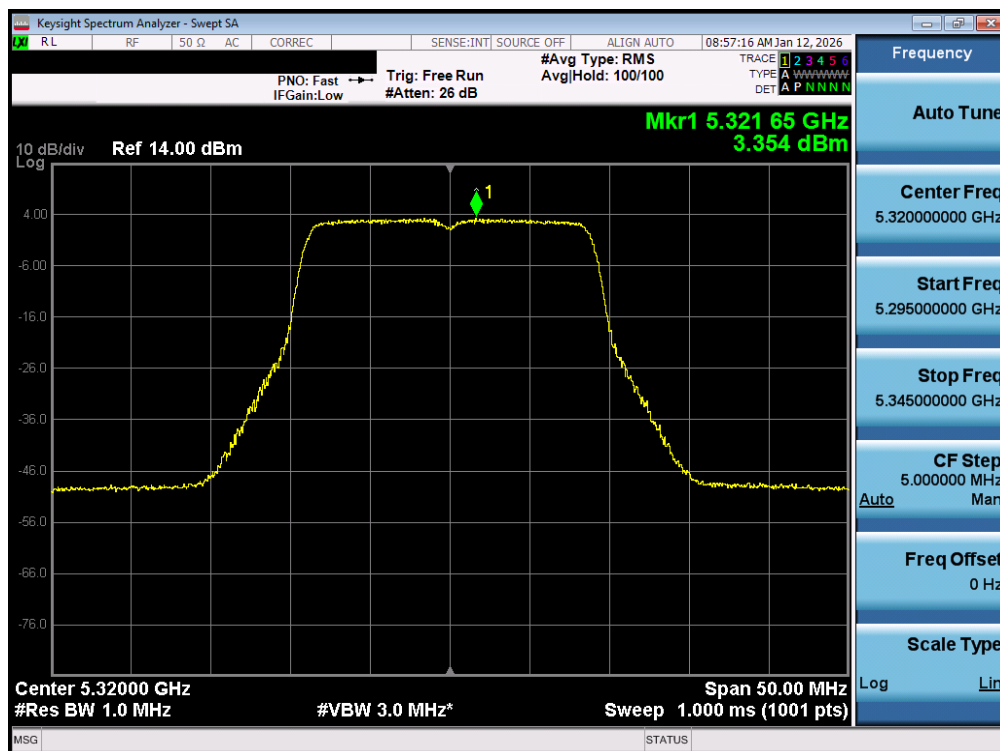


Plot 7-122. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802. 11ax/be (UNII Band 1/2A) – Ch. 50)

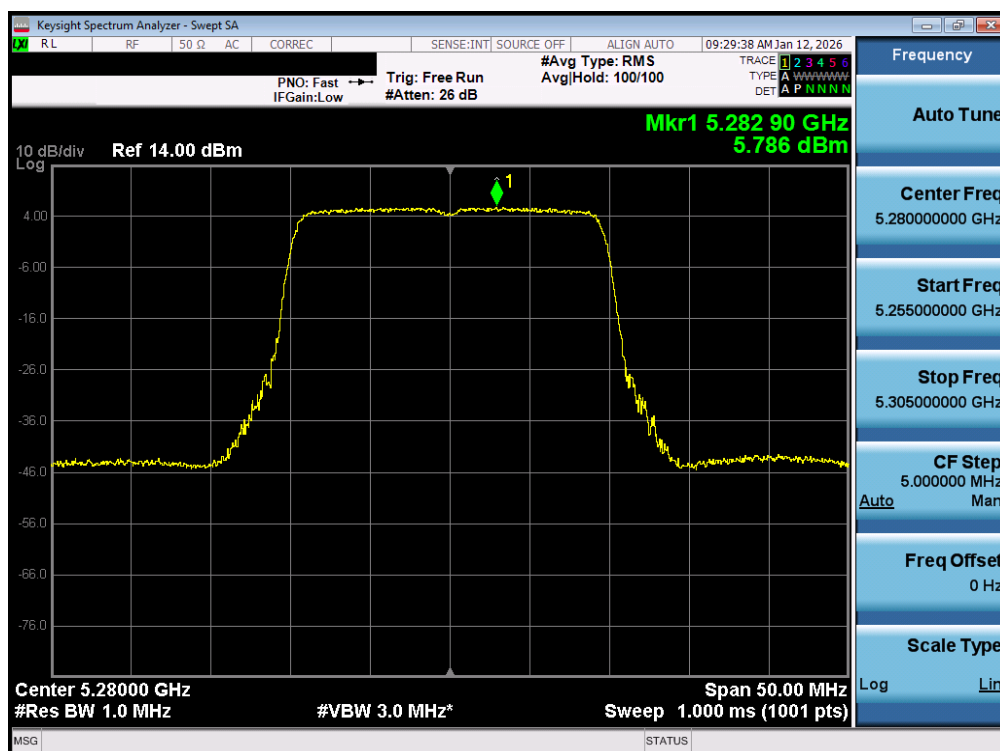


Plot 7-123. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 2A) – Ch. 52)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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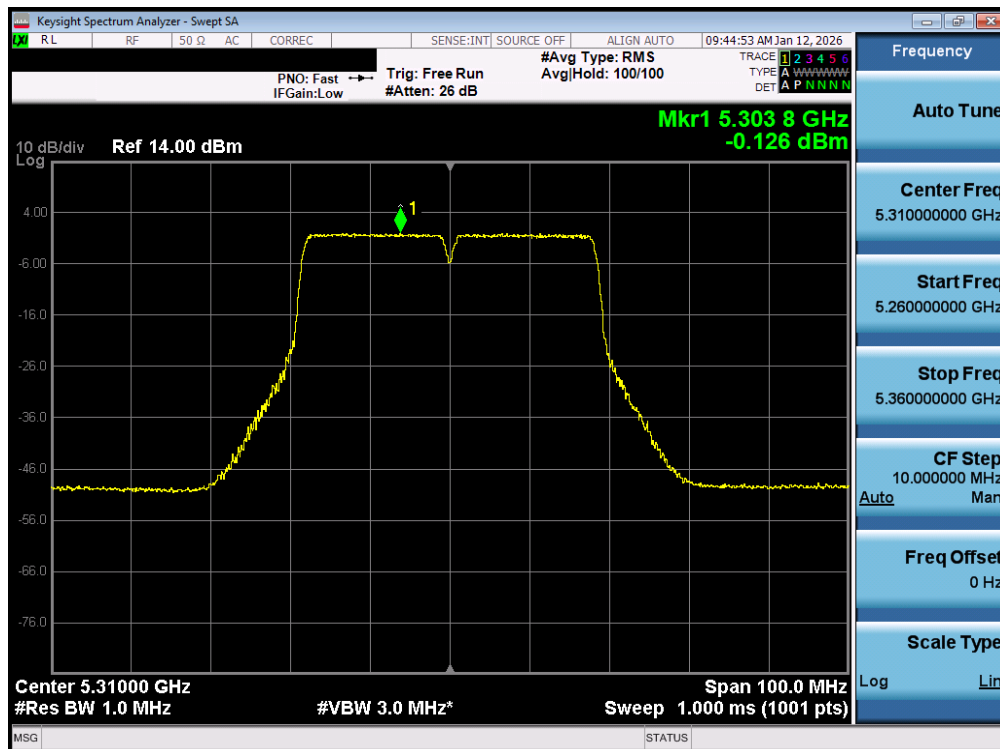


Plot 7-124. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

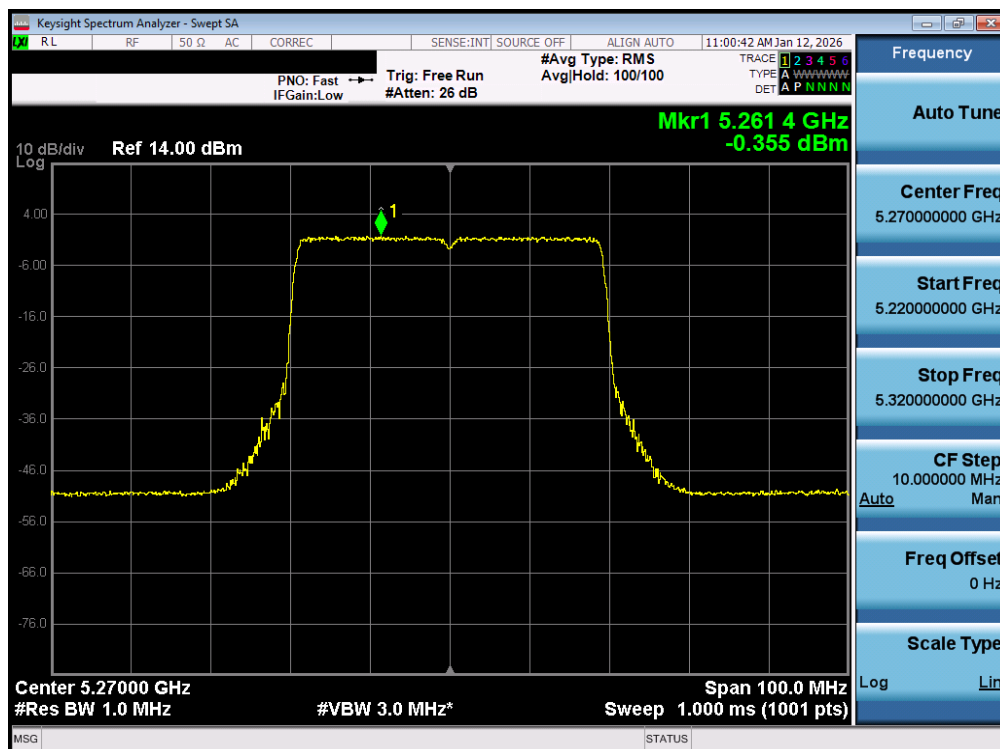


Plot 7-125. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 2A) – Ch. 56)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 98 of 182

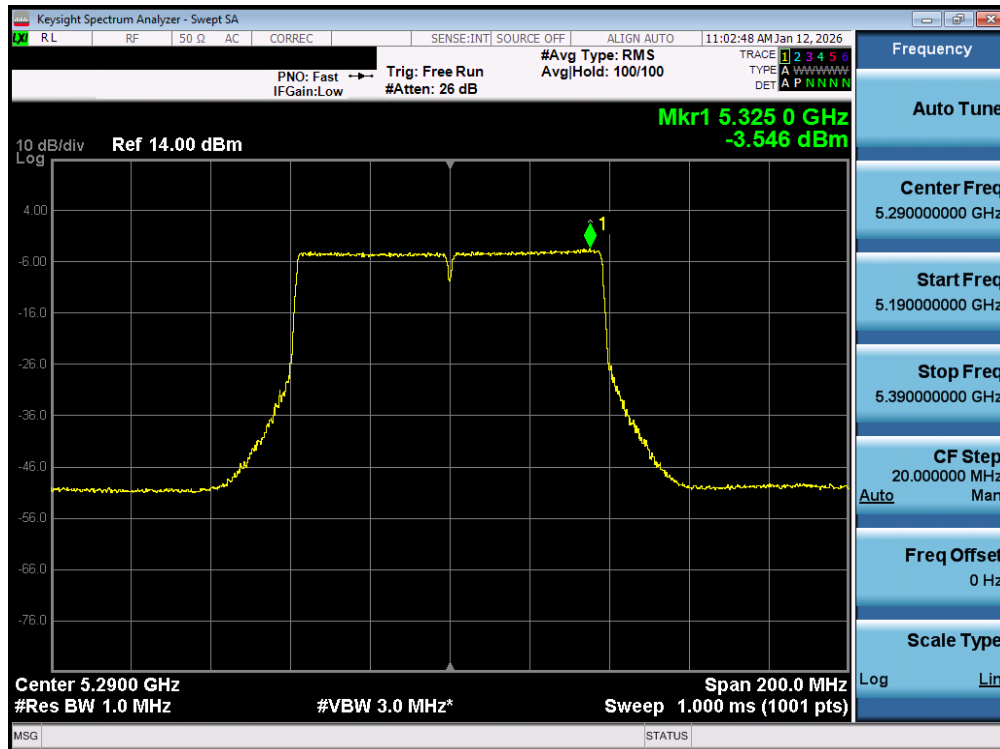


Plot 7-126. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

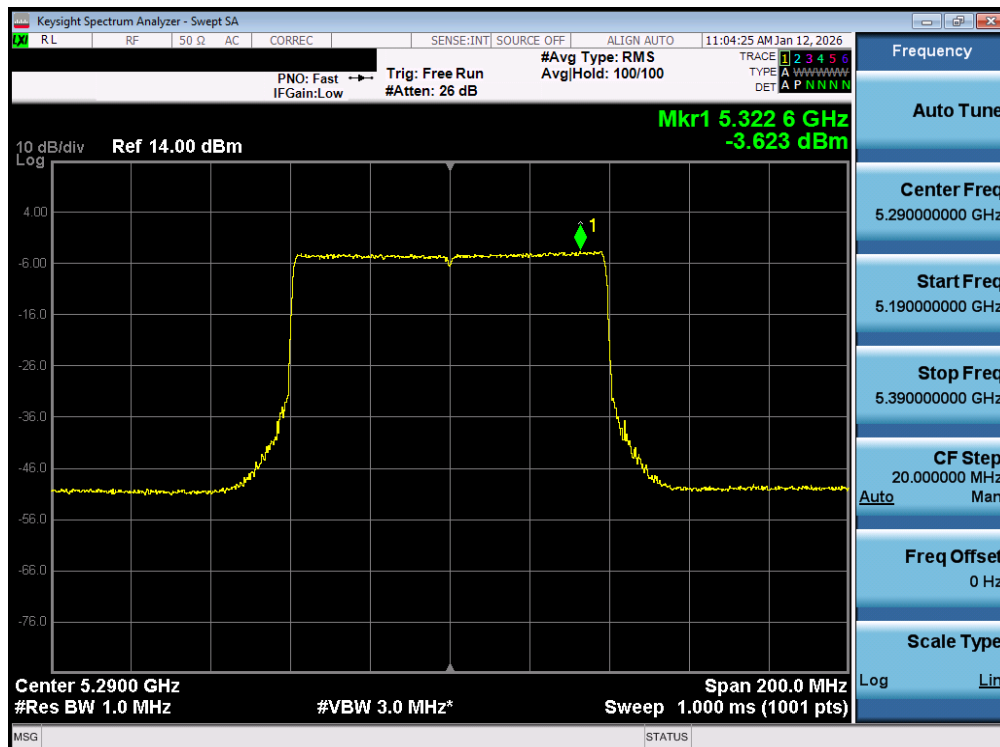


Plot 7-127. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 2A) – Ch. 54)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 99 of 182

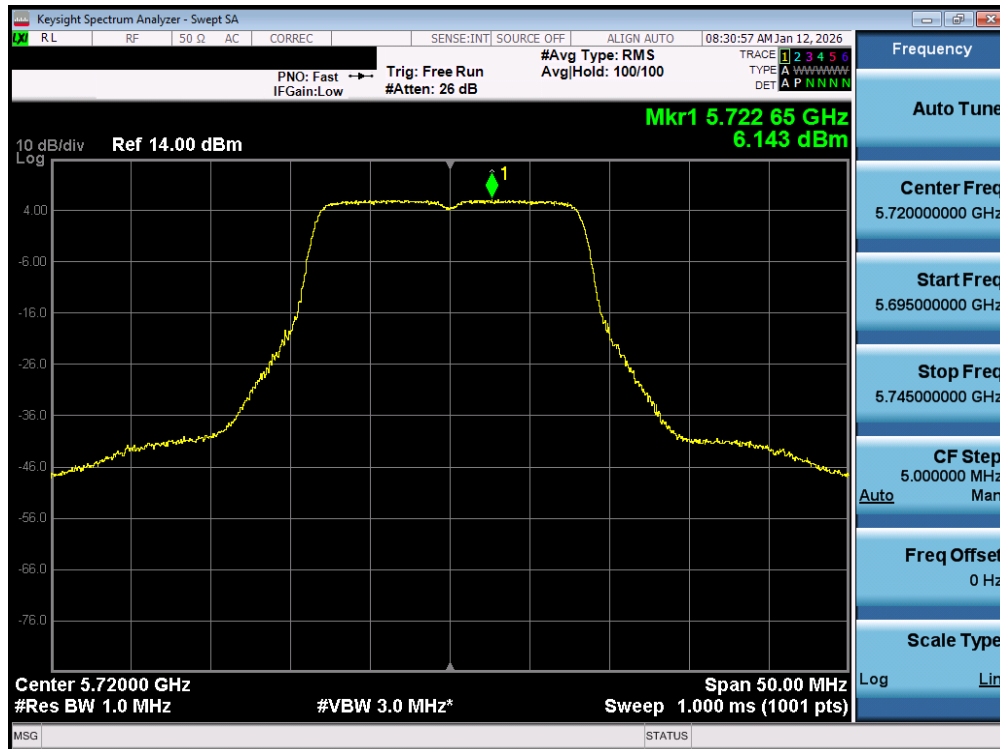


Plot 7-128. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

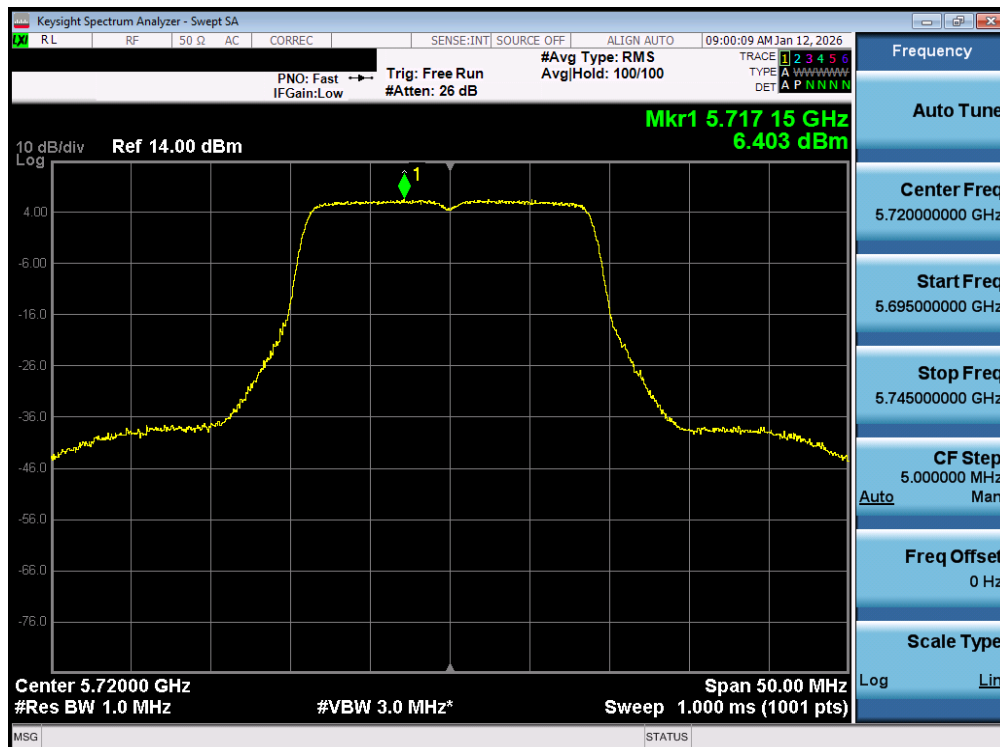


Plot 7-129. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 2A) – Ch. 58)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 100 of 182

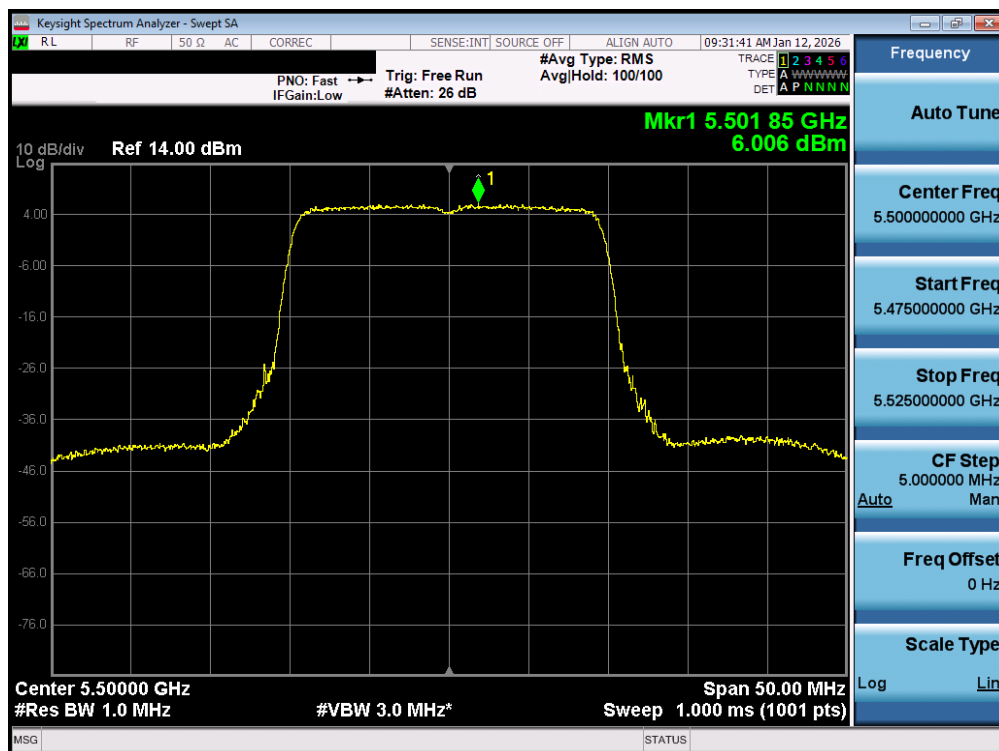


Plot 7-130. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 2C) – Ch. 144)

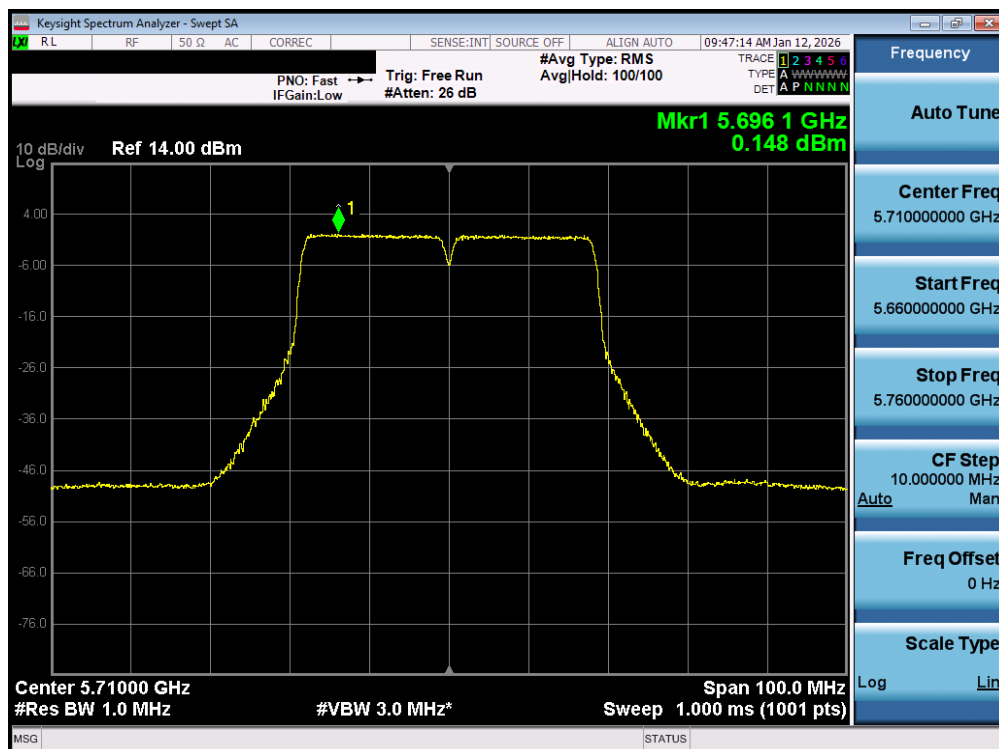


Plot 7-131. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 101 of 182

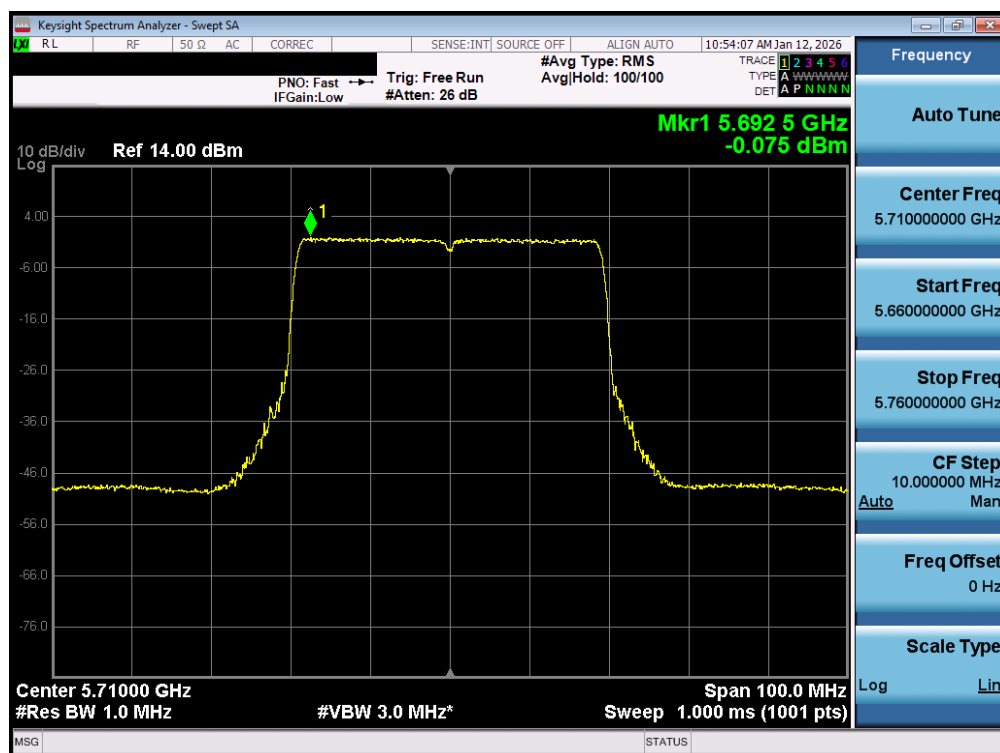


Plot 7-132. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 2C) – Ch. 100)

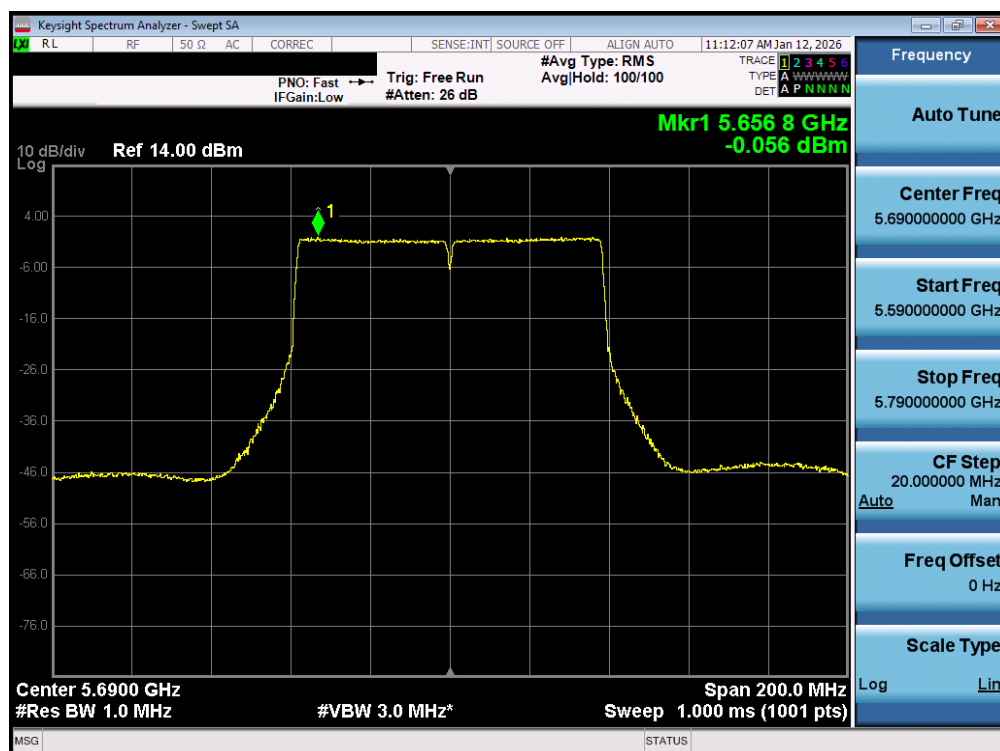


Plot 7-133. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 102 of 182

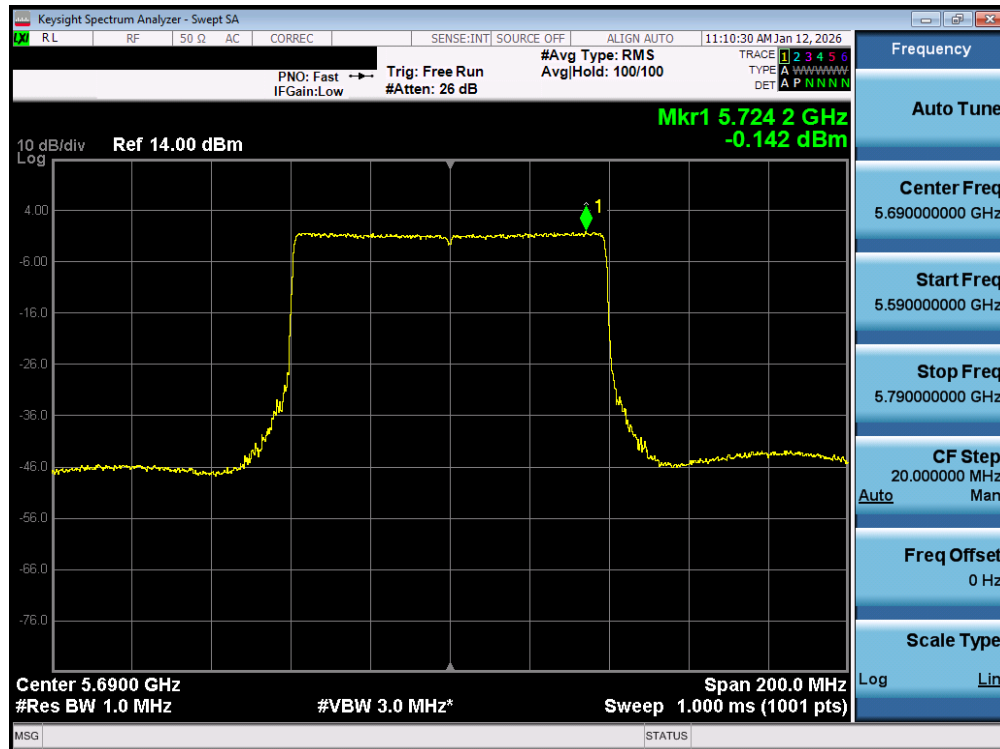


Plot 7-134. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 2C) – Ch. 142)

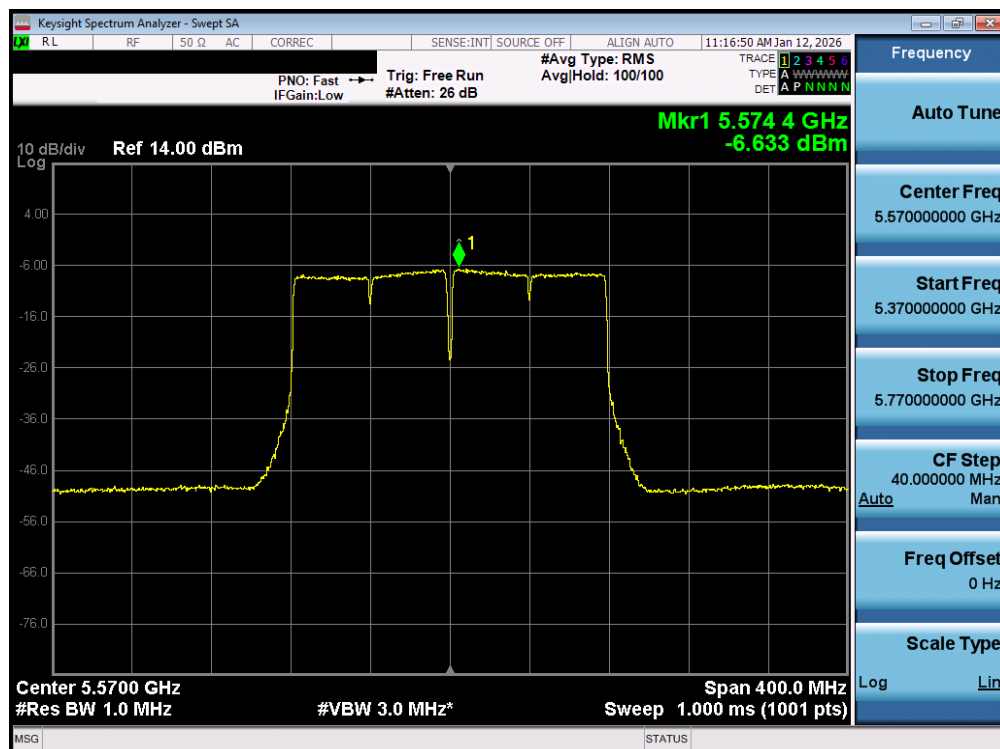


Plot 7-135. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 103 of 182

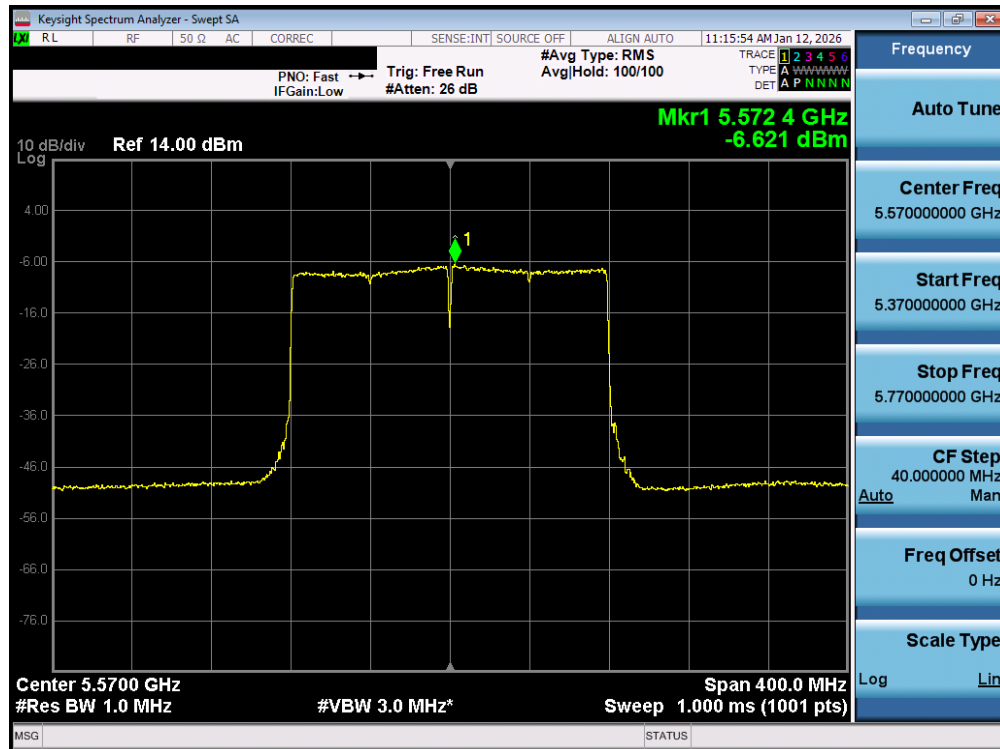


Plot 7-136. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 2C) – Ch. 138)

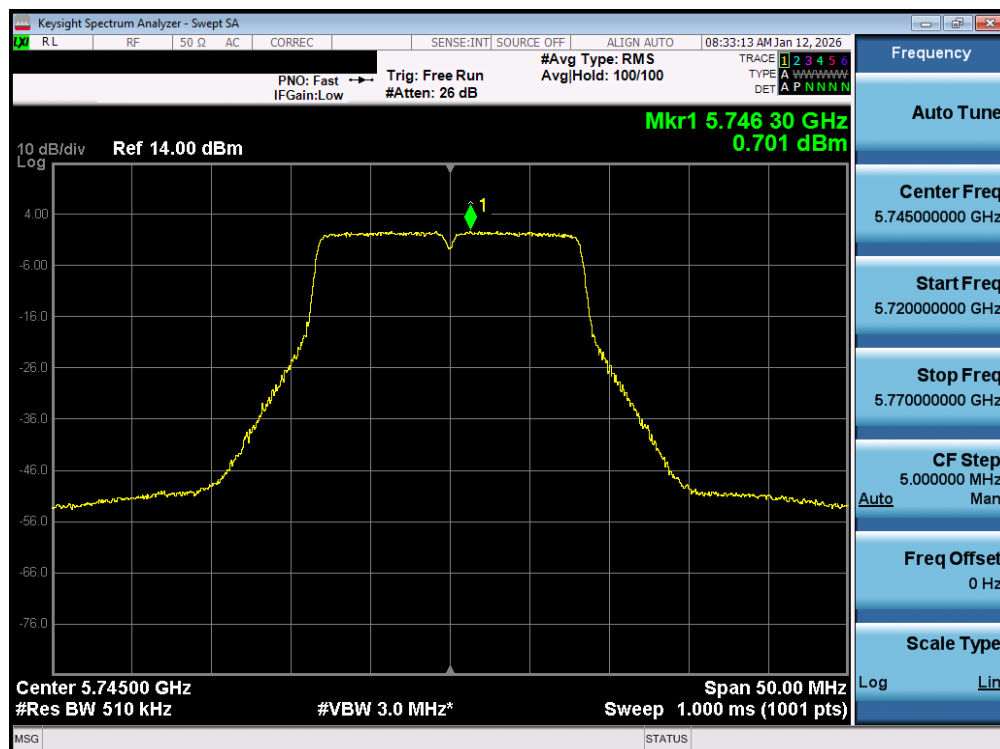


Plot 7-137. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 104 of 182

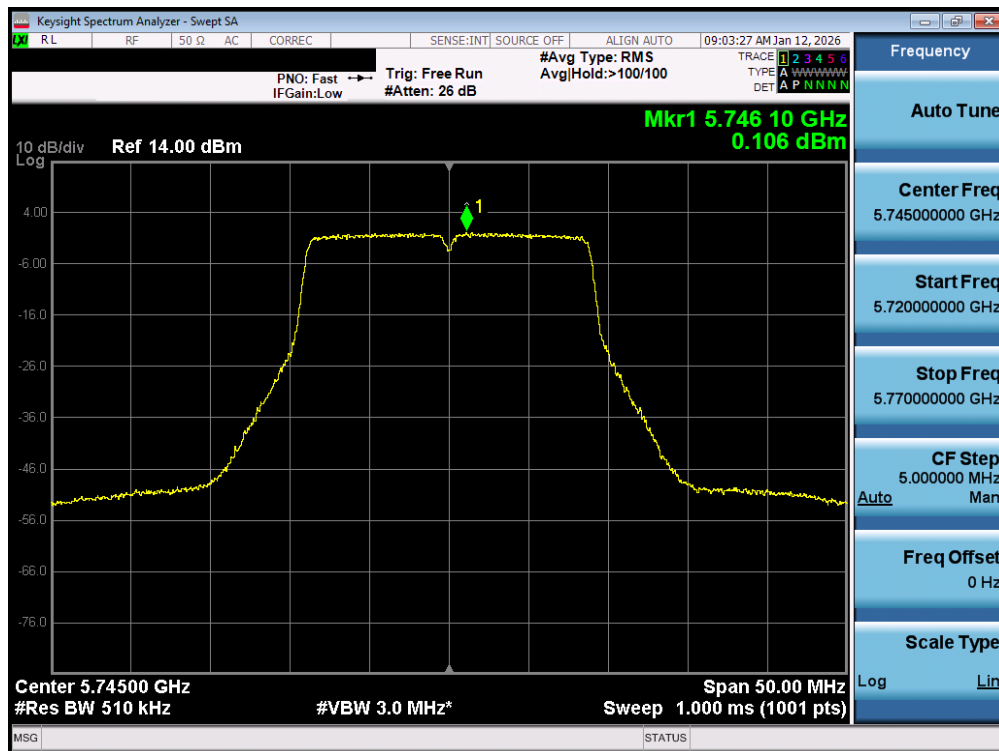


Plot 7-138. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 2C) – Ch. 114)

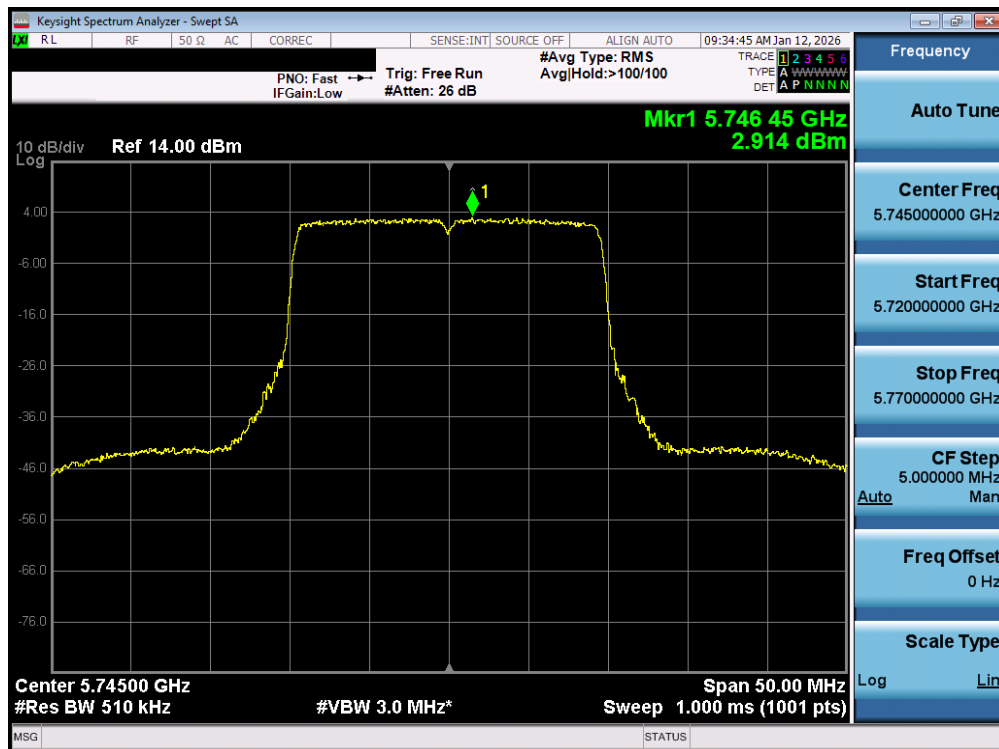


Plot 7-139. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) – Ch. 149)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 105 of 182

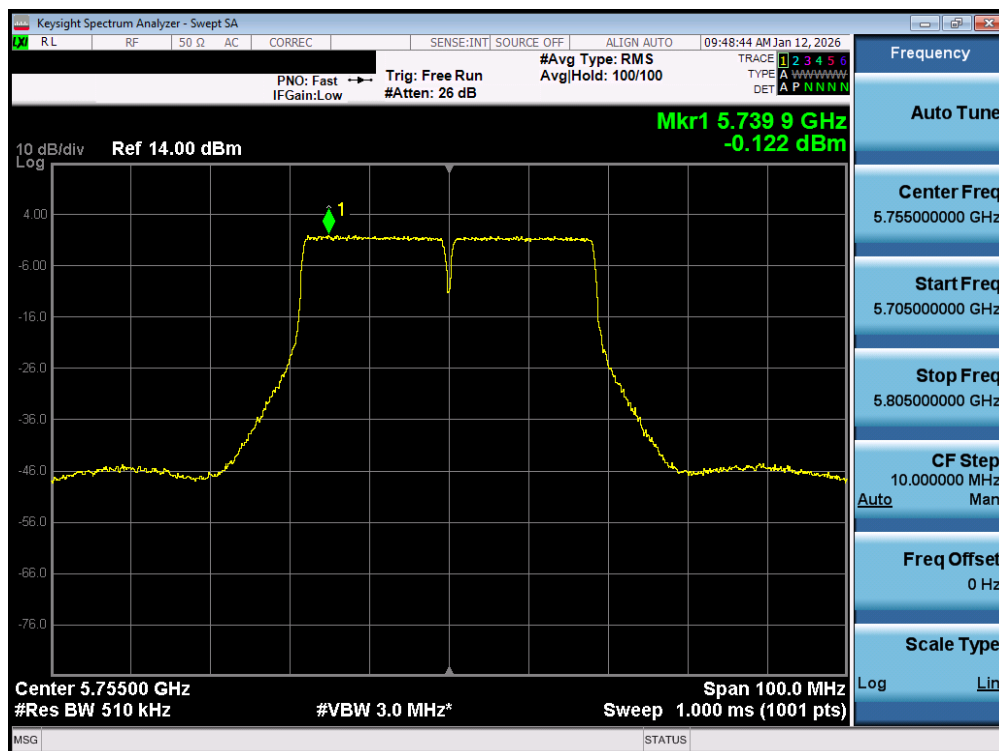


Plot 7-140. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

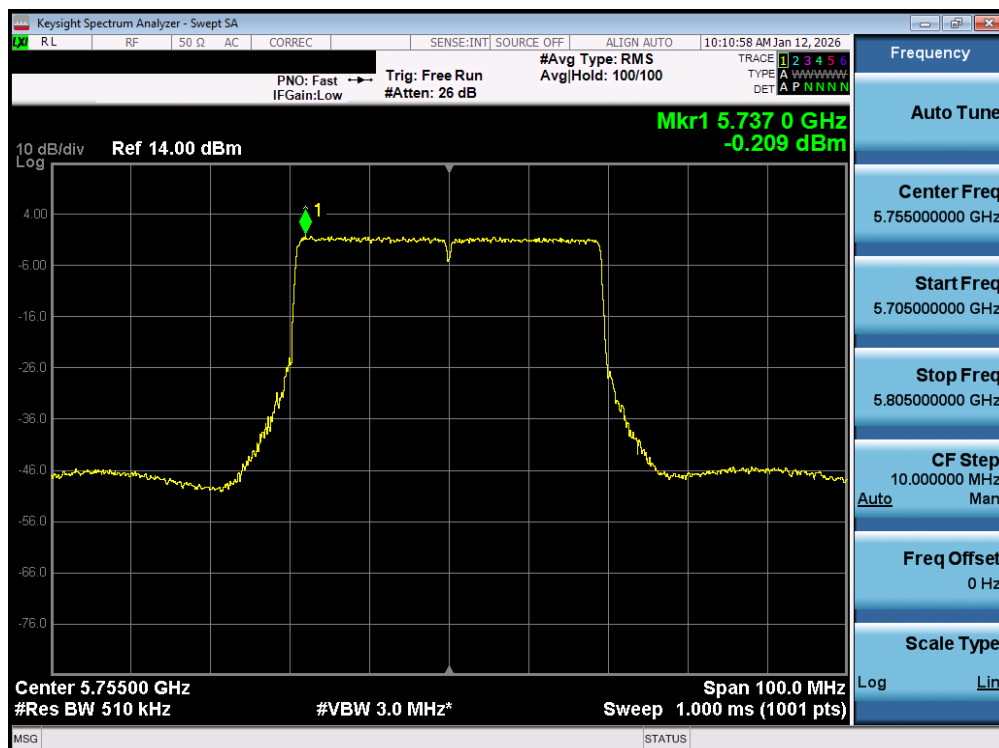


Plot 7-141. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 3) – Ch. 149)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 106 of 182

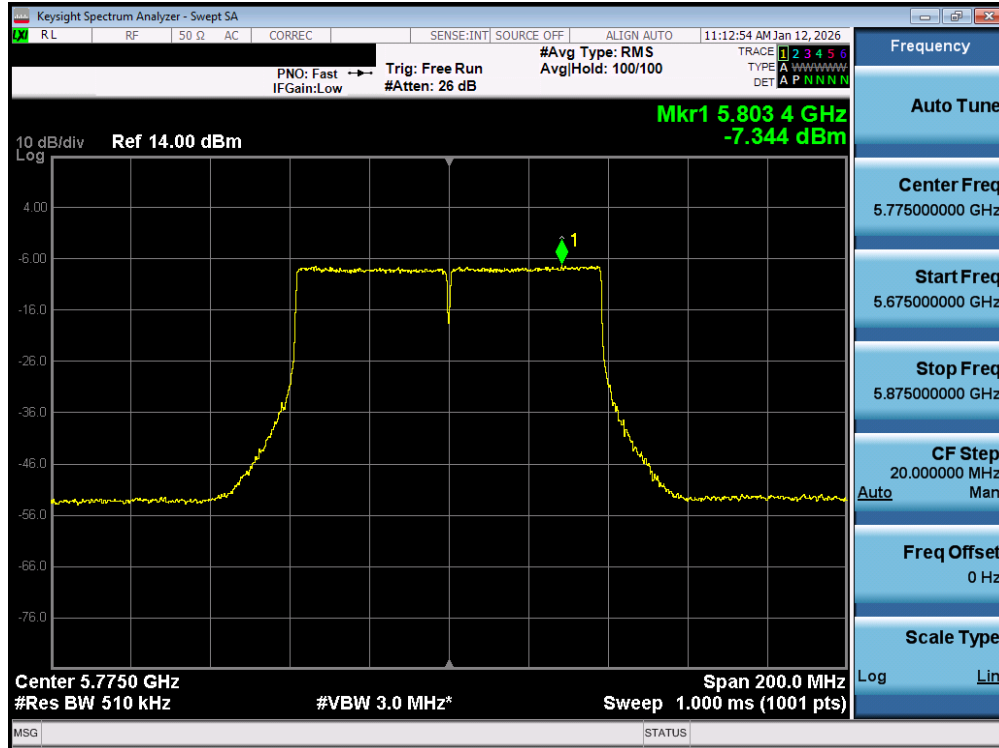


Plot 7-142. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

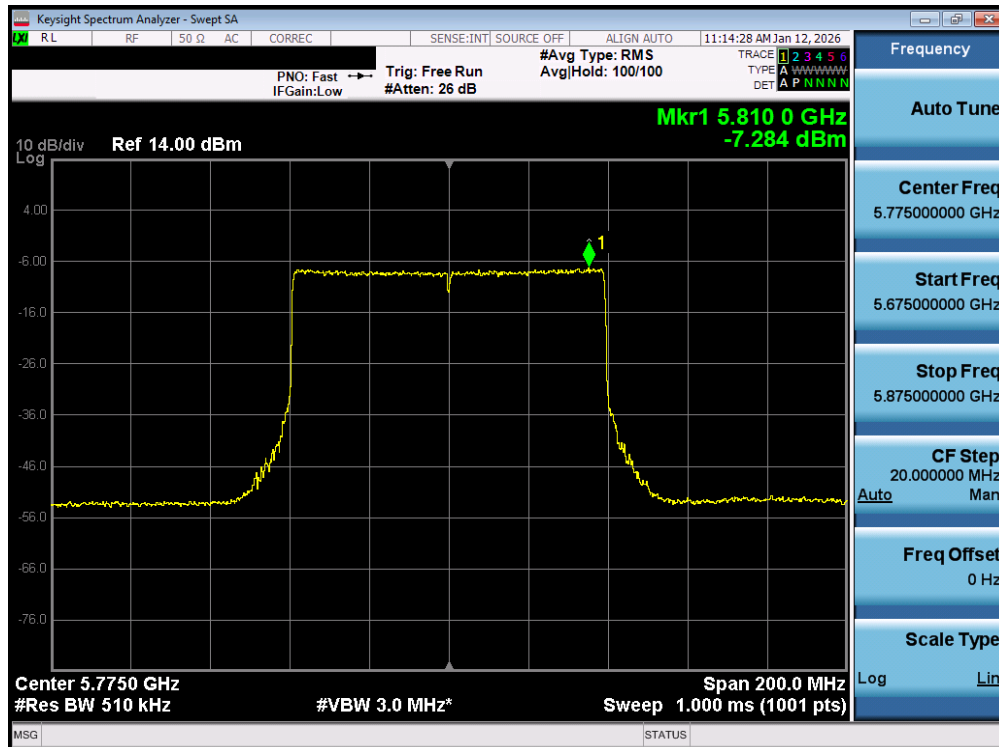


Plot 7-143. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 3) – Ch. 151)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 107 of 182

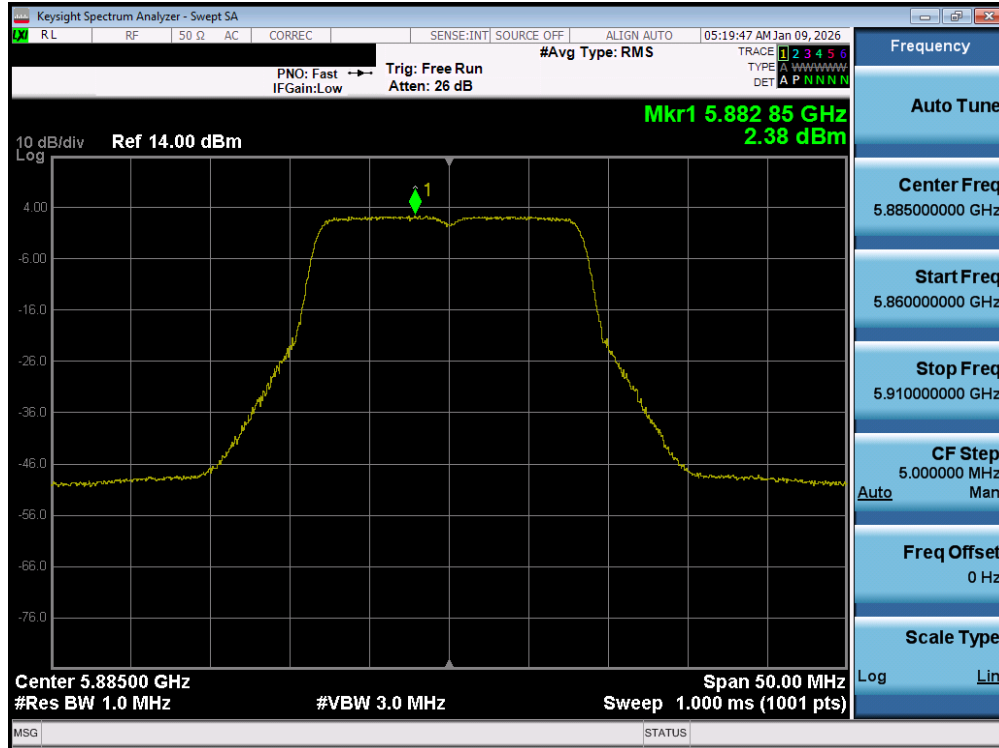


Plot 7-144. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

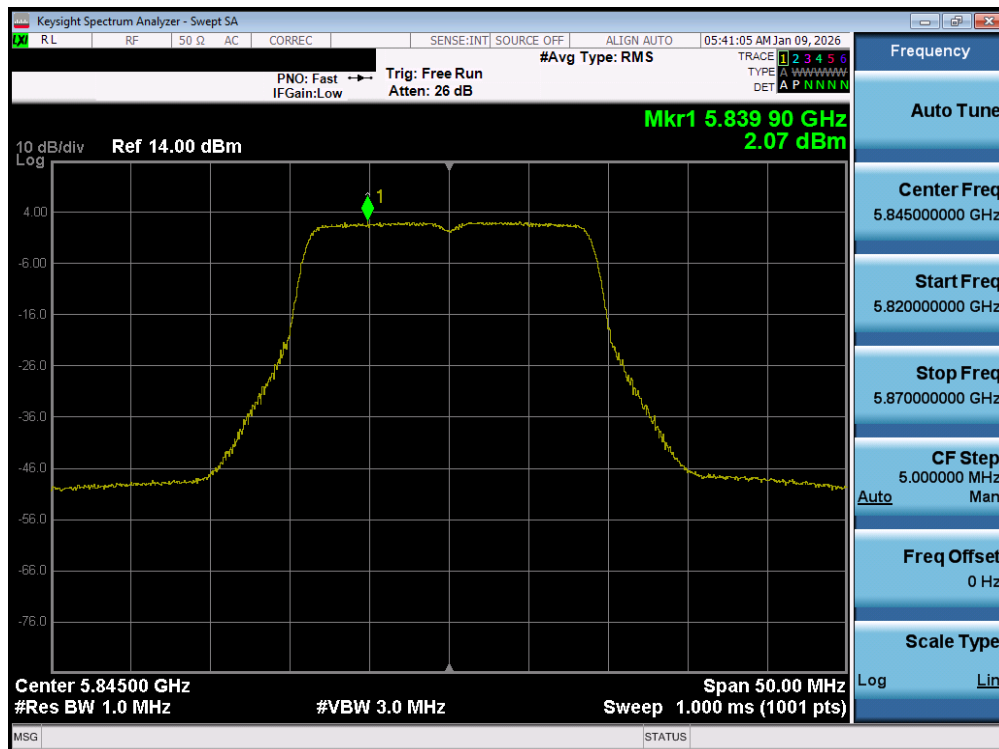


Plot 7-145. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 108 of 182

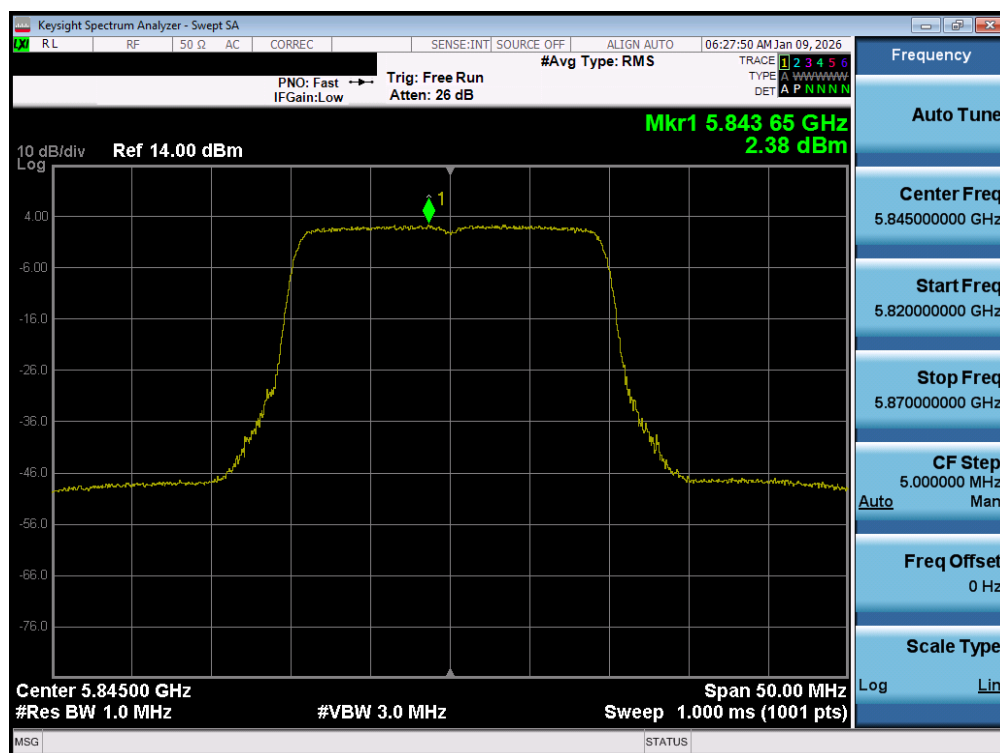


Plot 7-146. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11a (UNII Band 4) – Ch. 177)

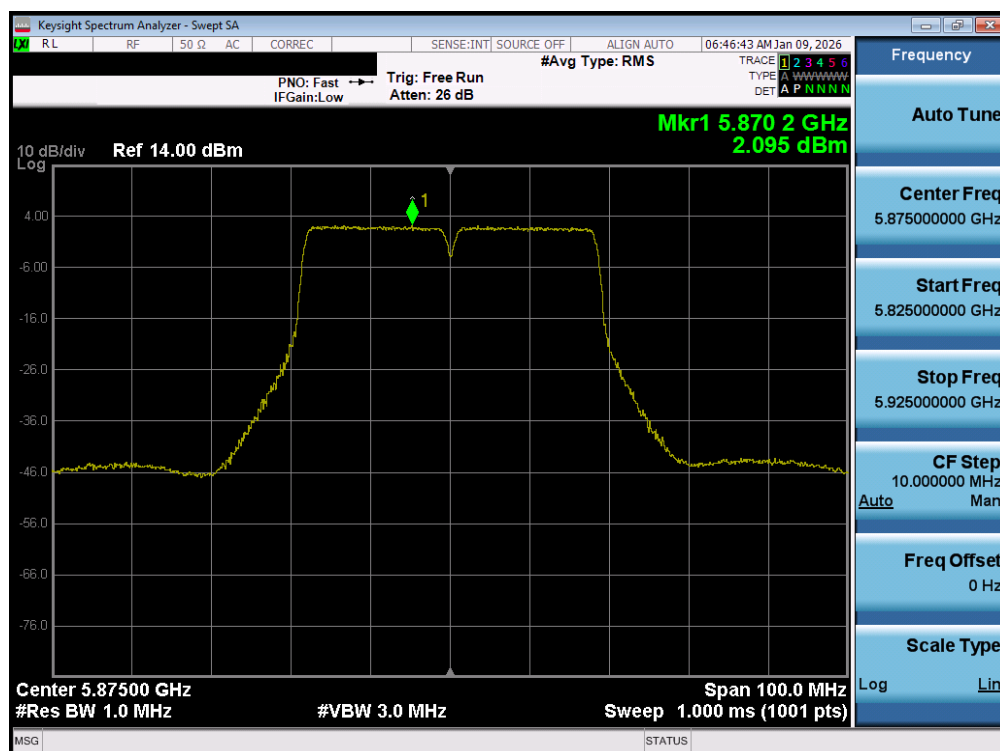


Plot 7-147. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3/4) – Ch. 169)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 109 of 182

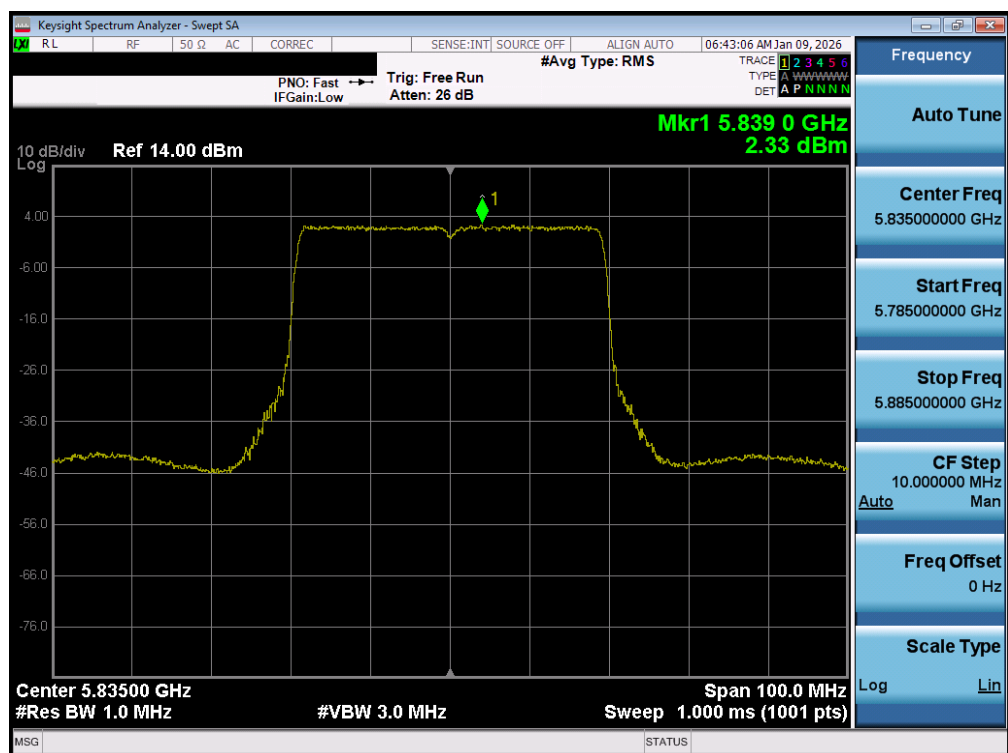


Plot 7-148. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 169)

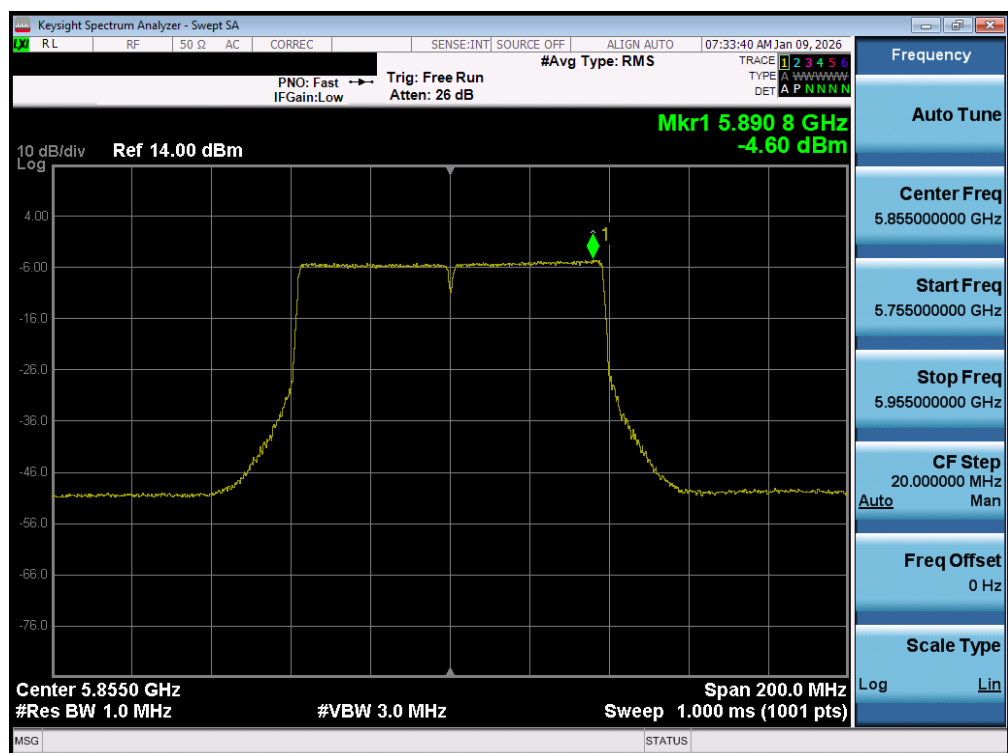


Plot 7-149. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 4) – Ch. 175)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 110 of 182

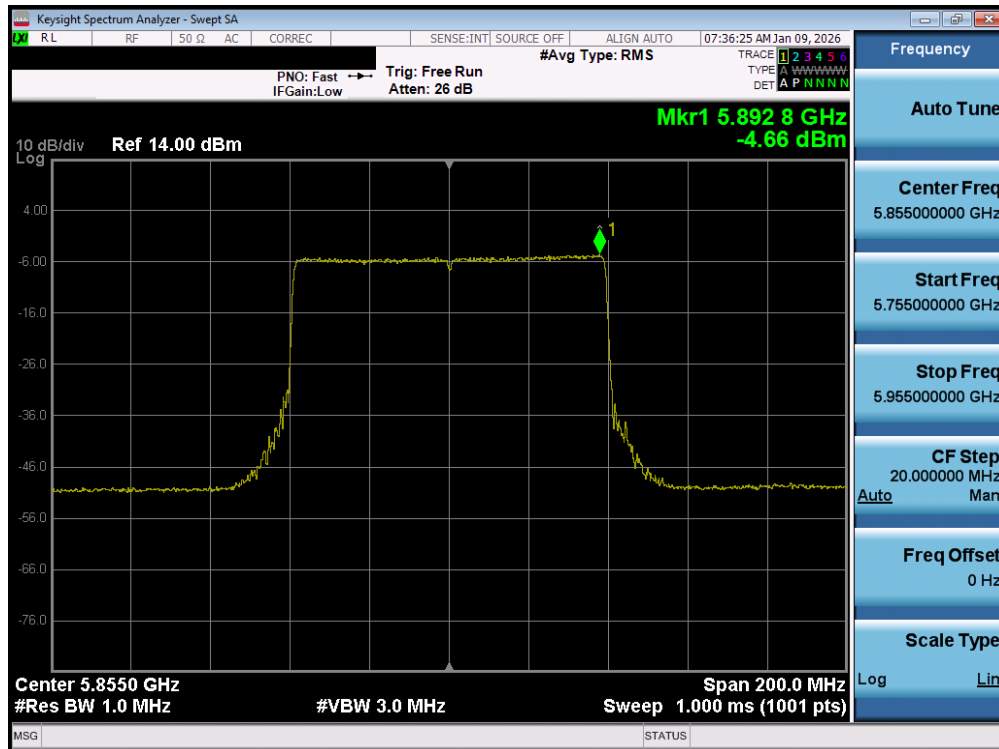


Plot 7-150. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 167)

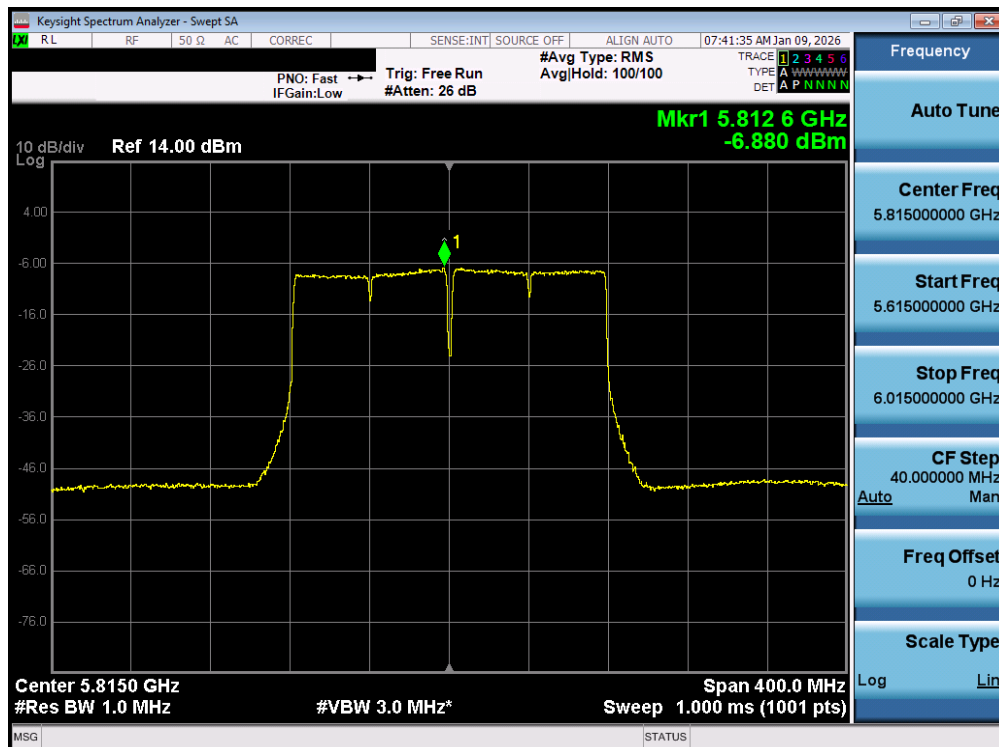


Plot 7-151. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3/4) – Ch. 171)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 111 of 182

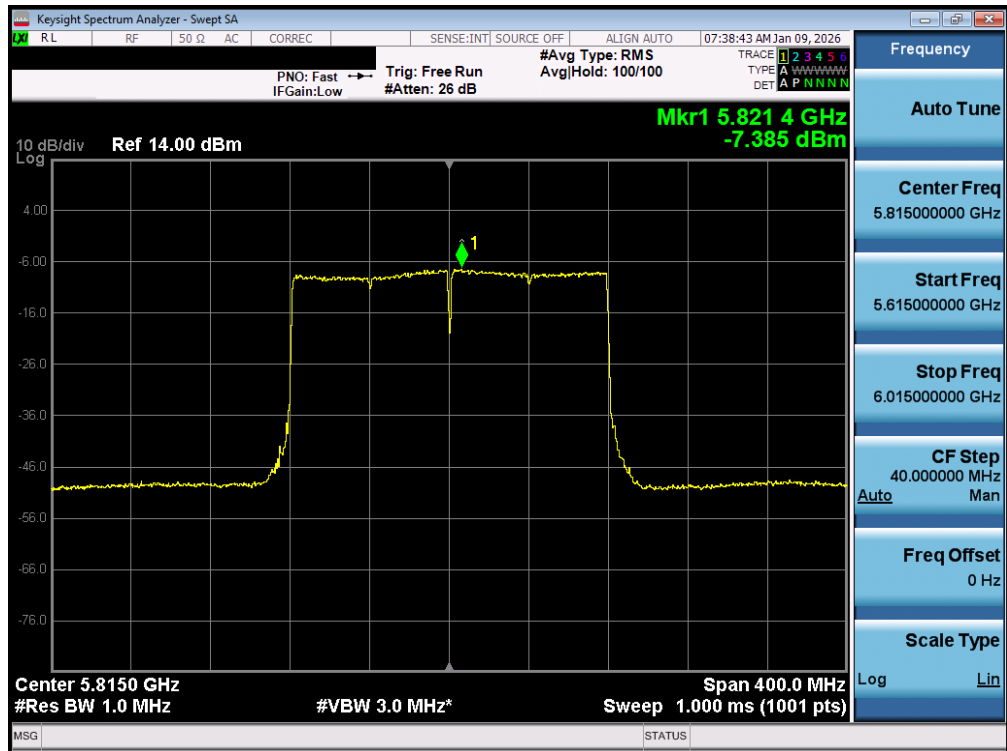


Plot 7-152. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 171)



Plot 7-153. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 3/4) – Ch. 163)

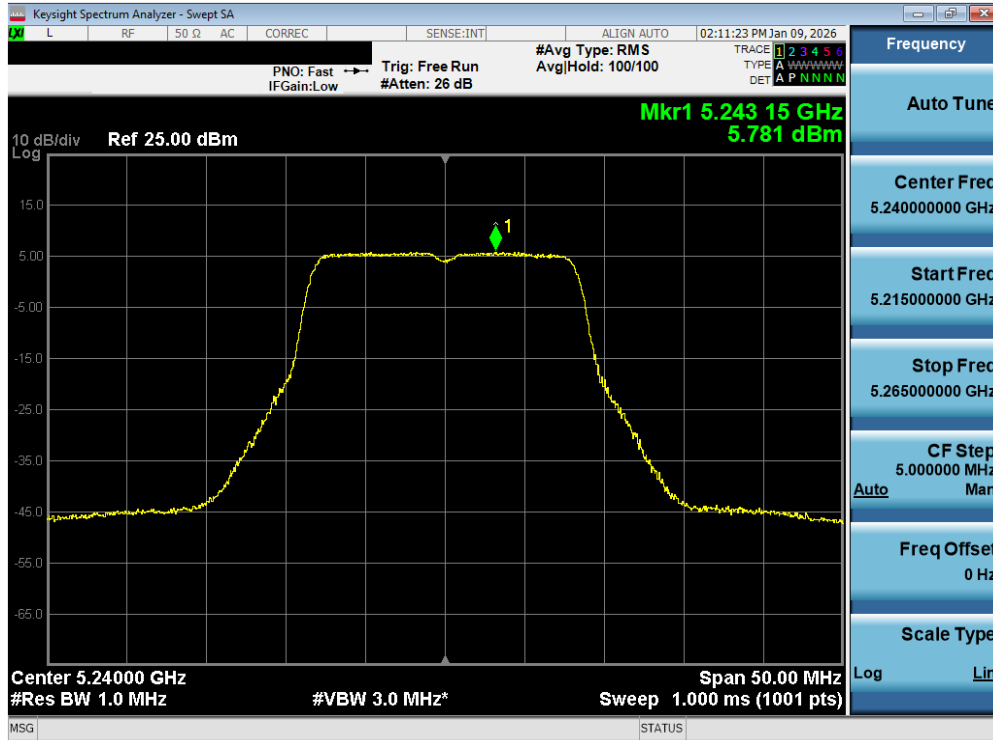
FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 112 of 182



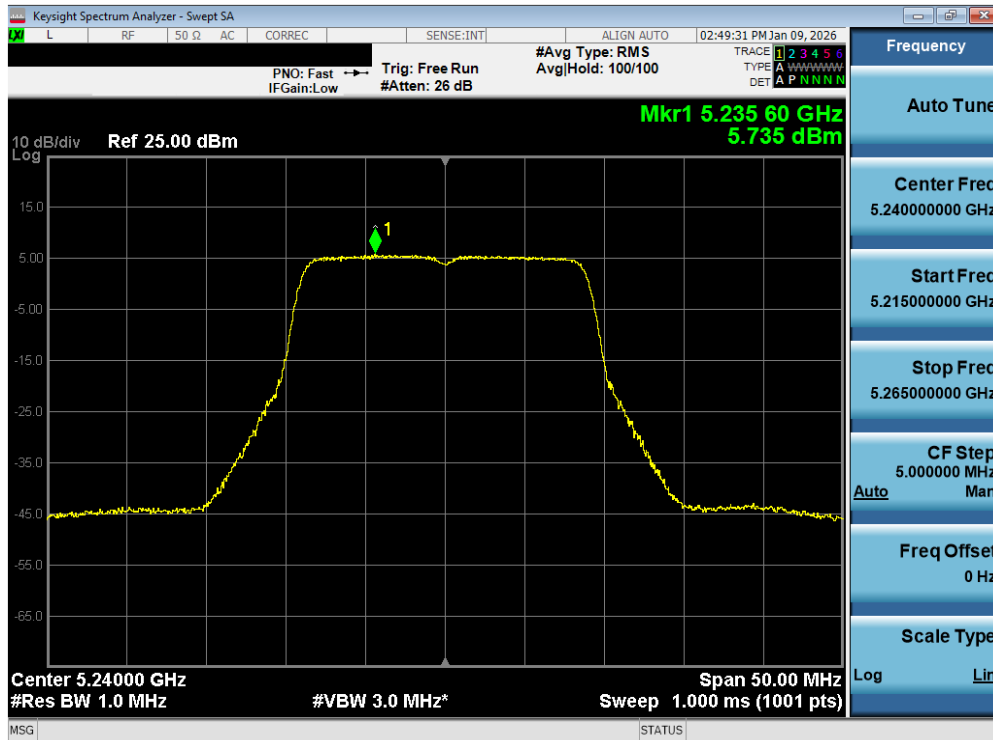
Plot 7-154. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 163)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 113 of 182

7.5.2 MIMO Antenna-2 Power Spectral Density Measurements

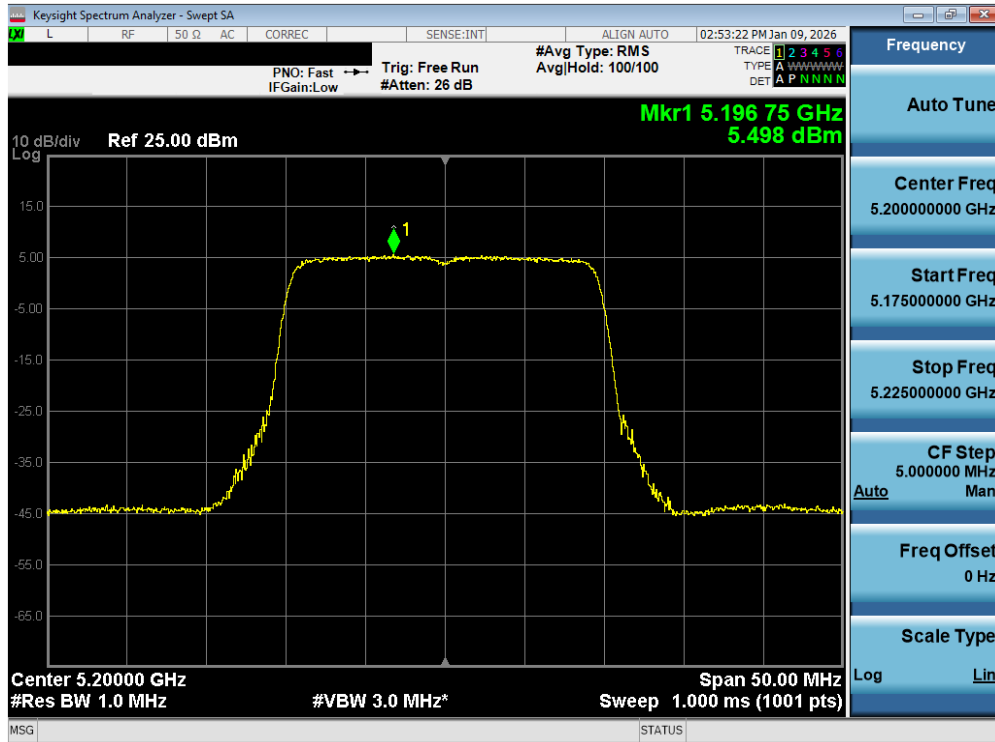


Plot 7-155. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 48)

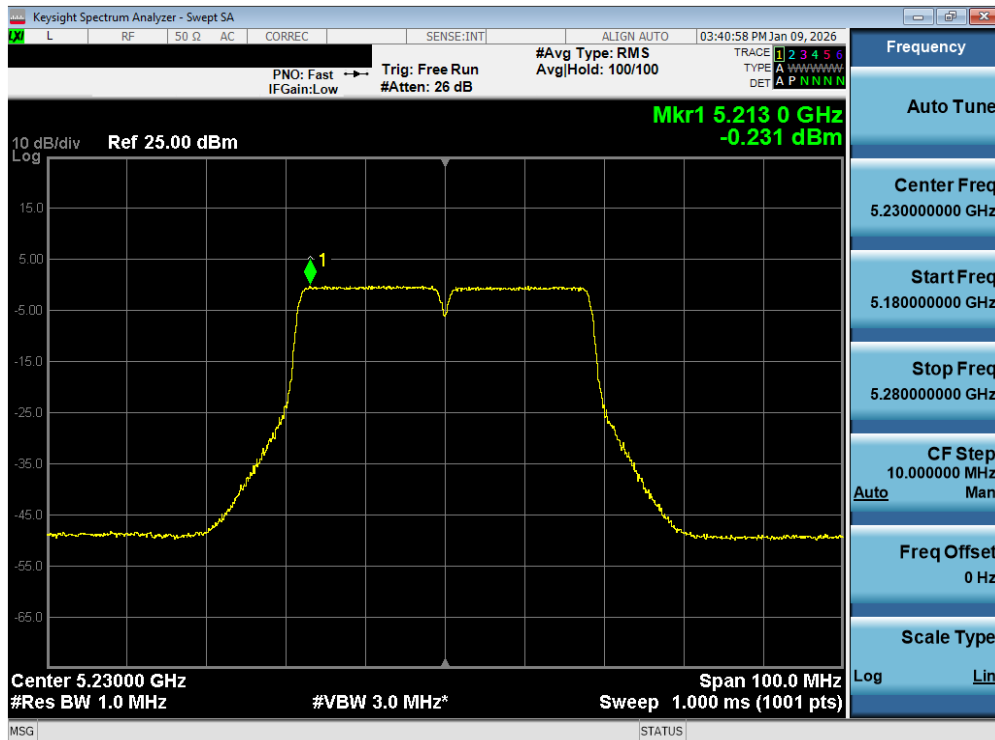


Plot 7-156. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 114 of 182

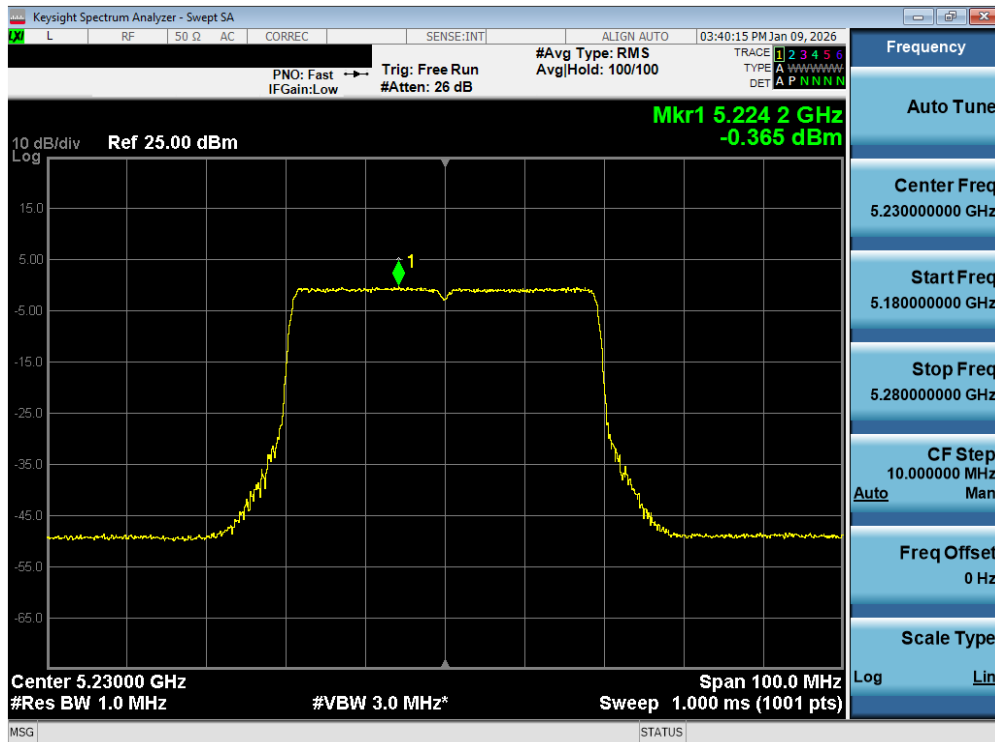


Plot 7-157. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 1) – Ch. 40)

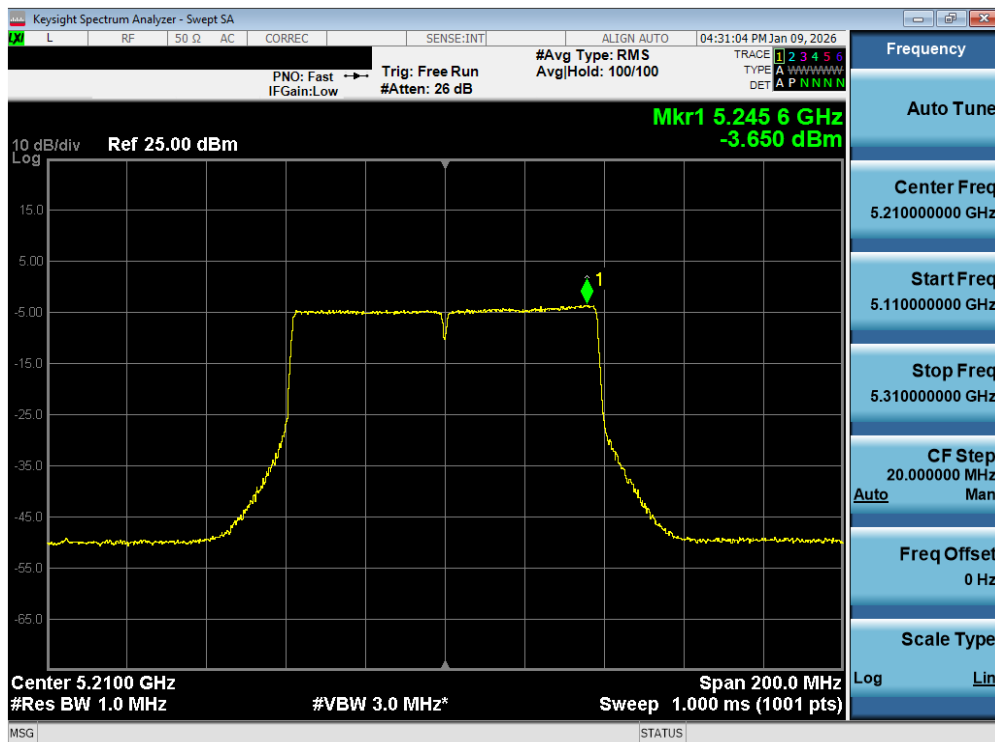


Plot 7-158. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 115 of 182

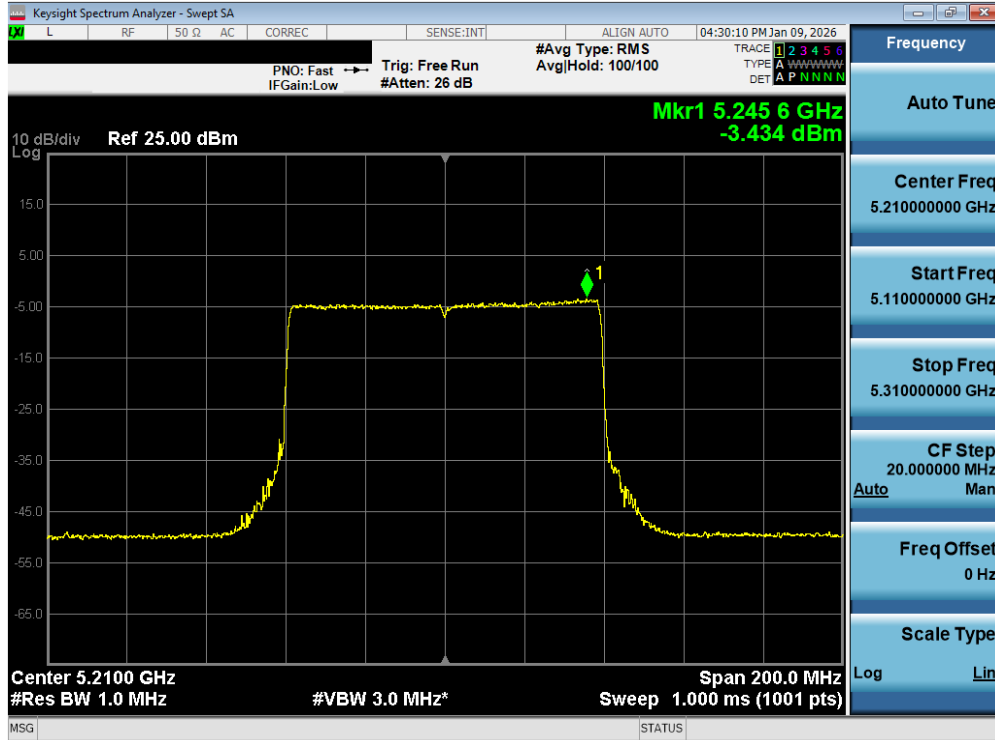


Plot 7-159. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 1) – Ch. 46)

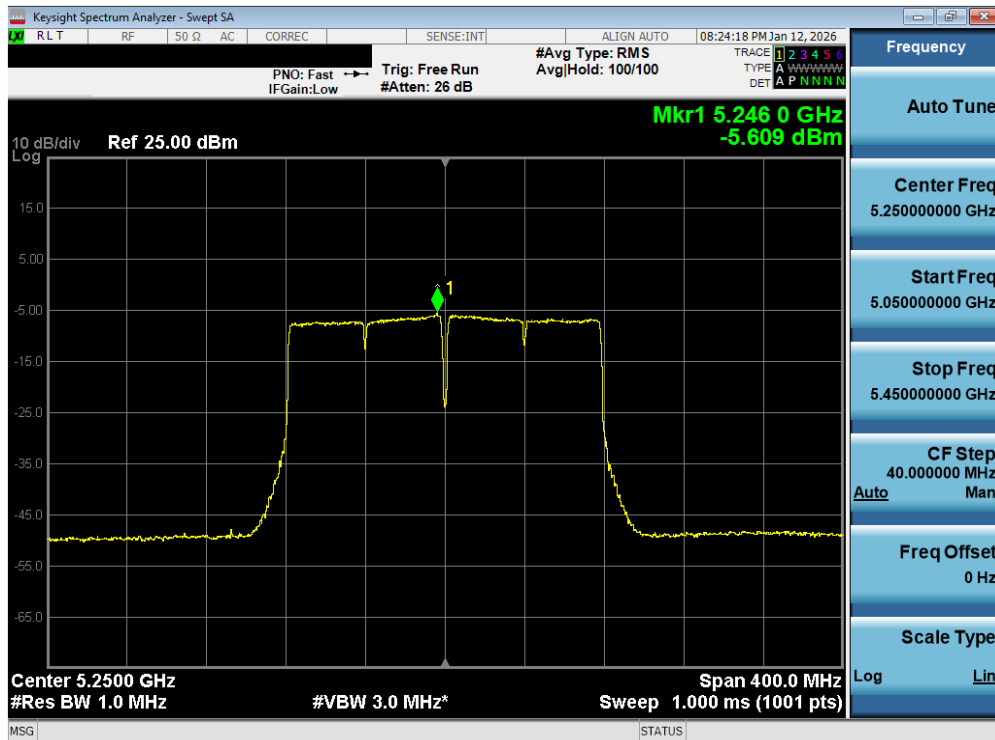


Plot 7-160. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 116 of 182

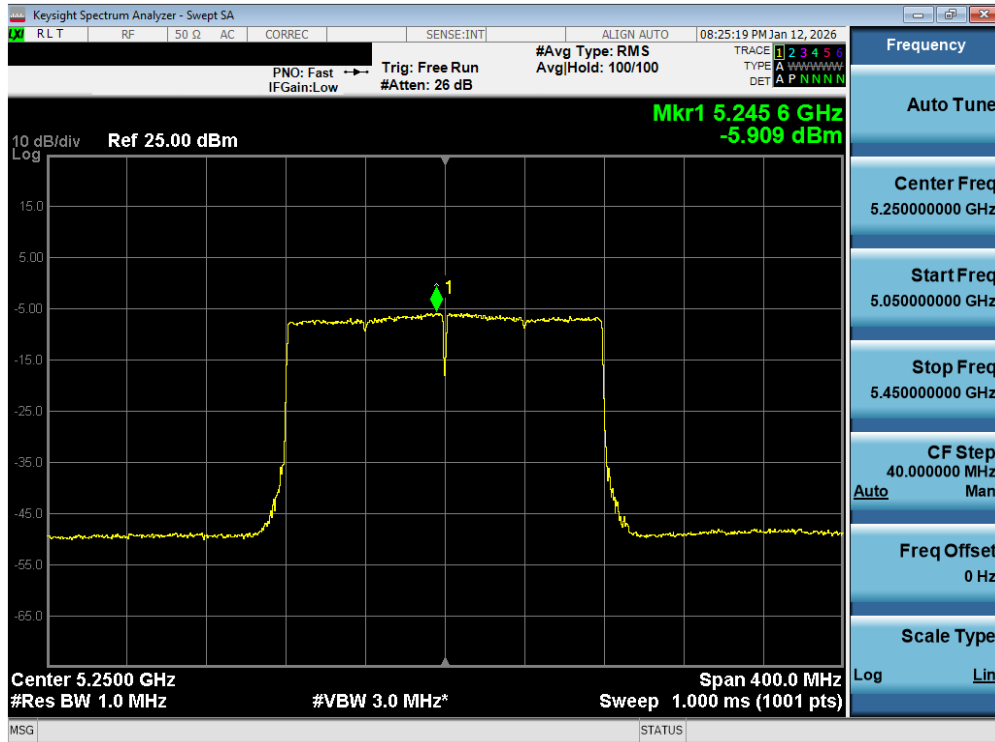


Plot 7-161. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 1) – Ch. 42)

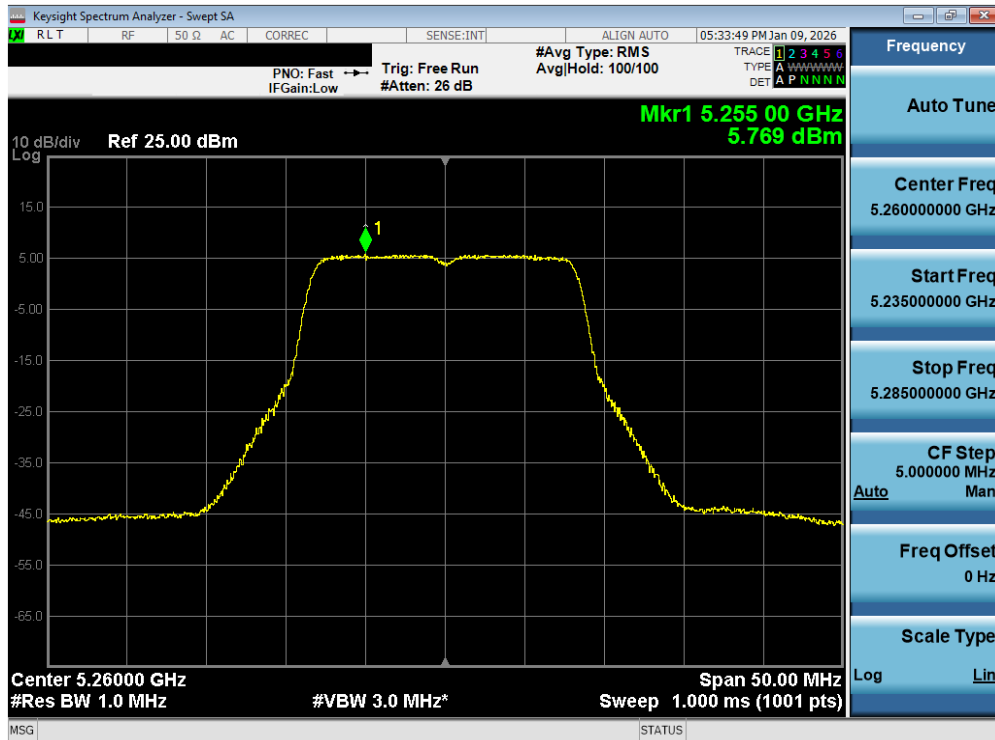


Plot 7-162. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 117 of 182

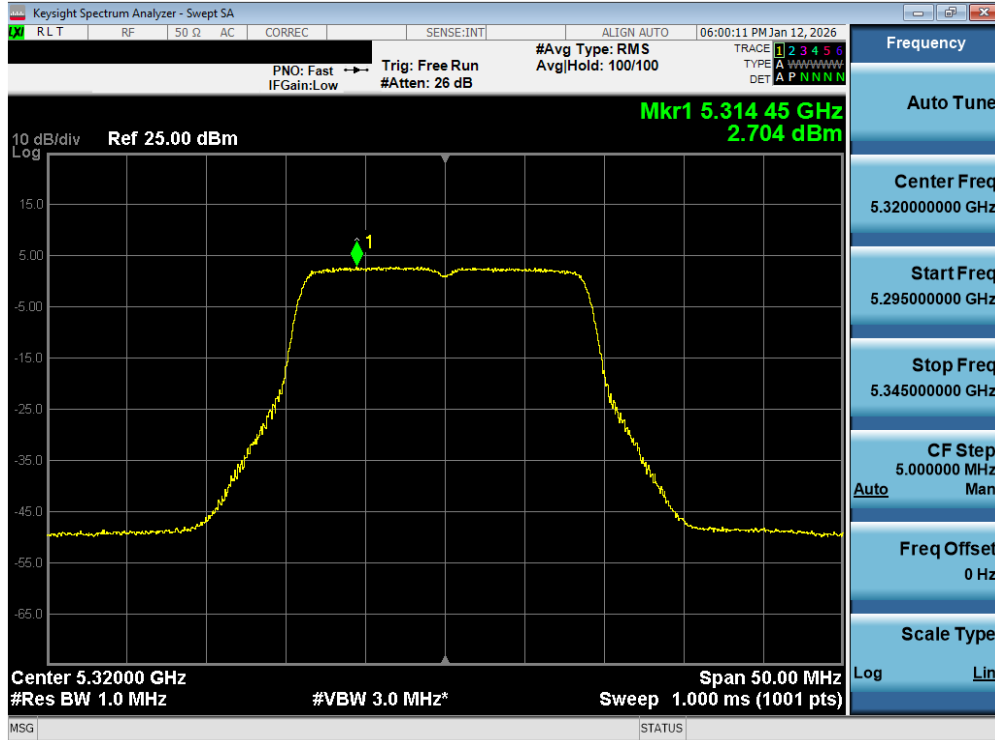


Plot 7-163. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 1/2A) – Ch. 50)

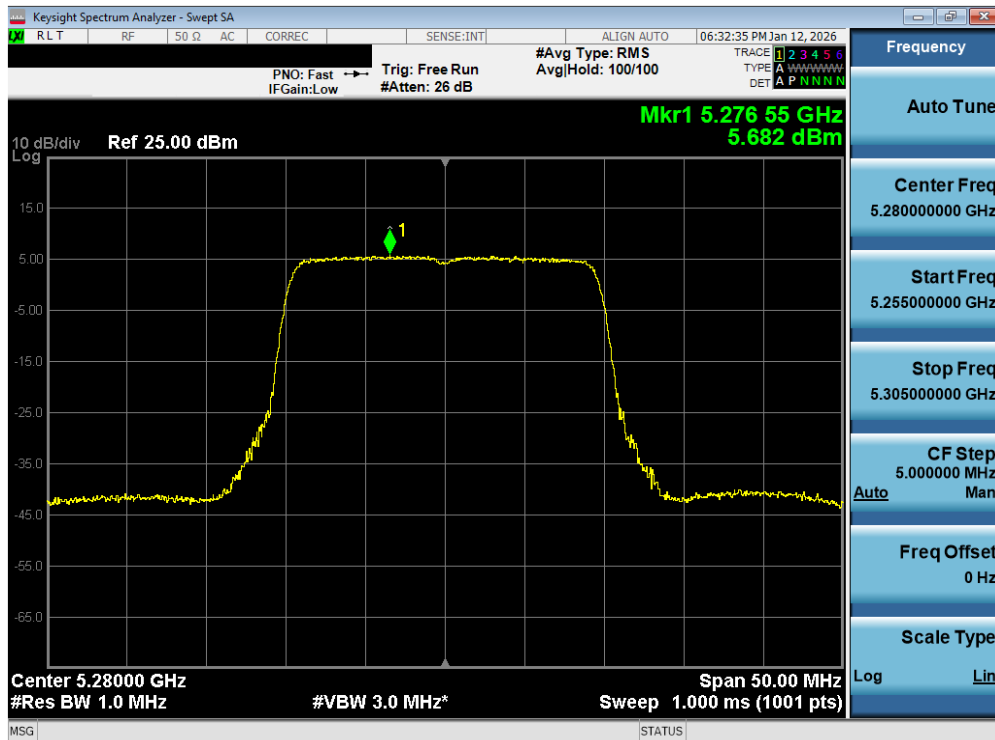


Plot 7-164. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 52)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 118 of 182

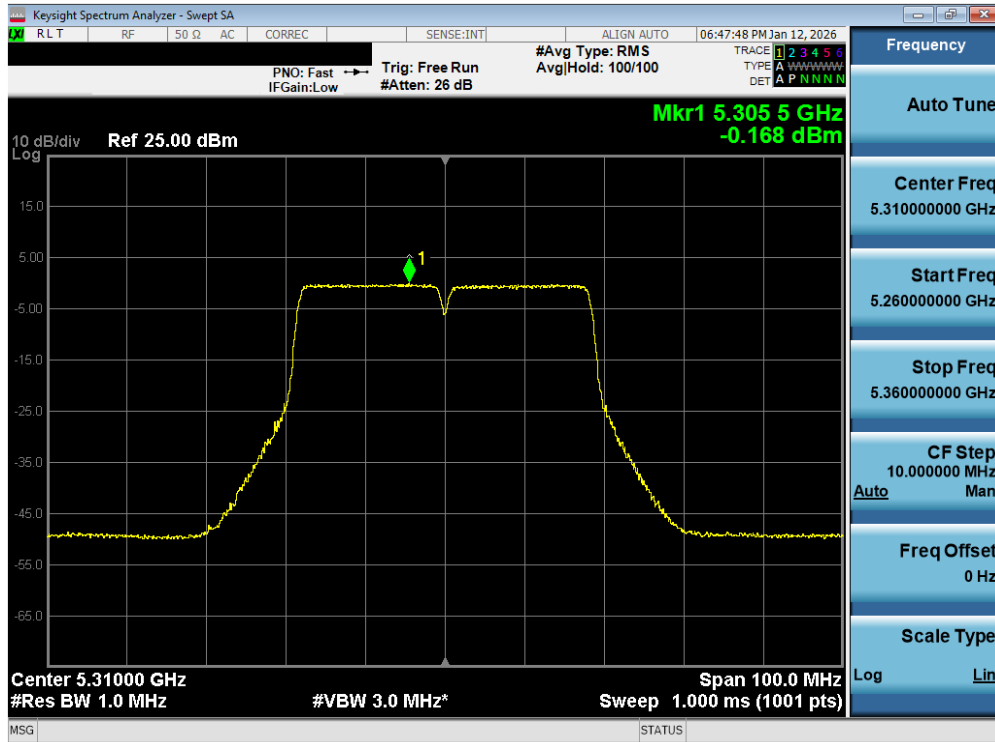


Plot 7-165. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

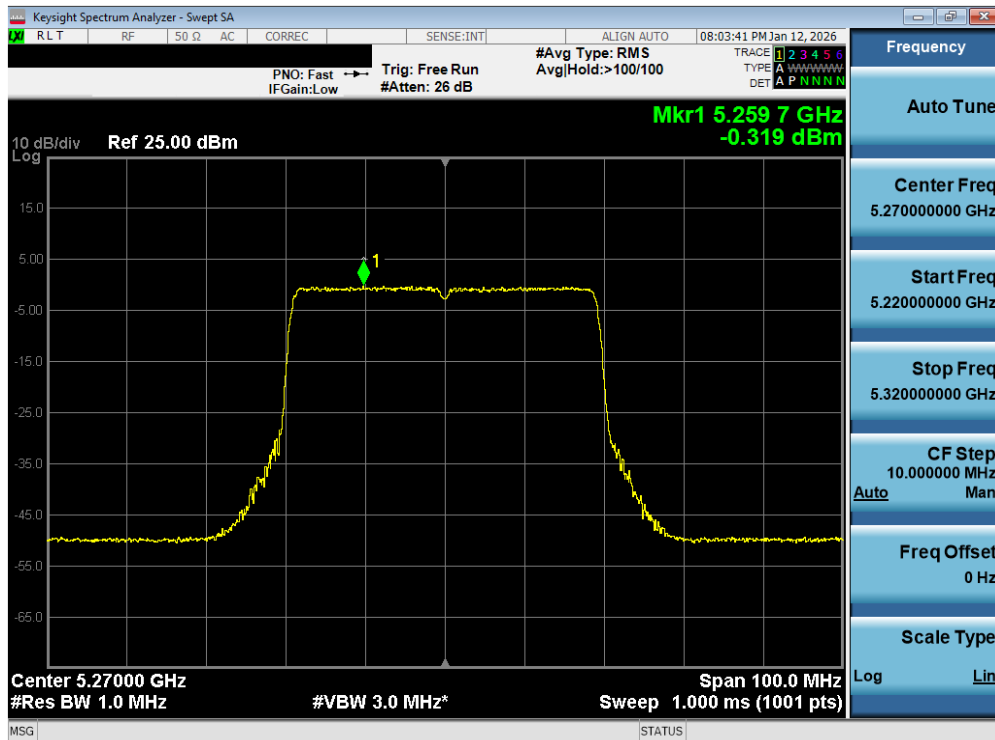


Plot 7-166. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 2A) – Ch. 56)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 119 of 182

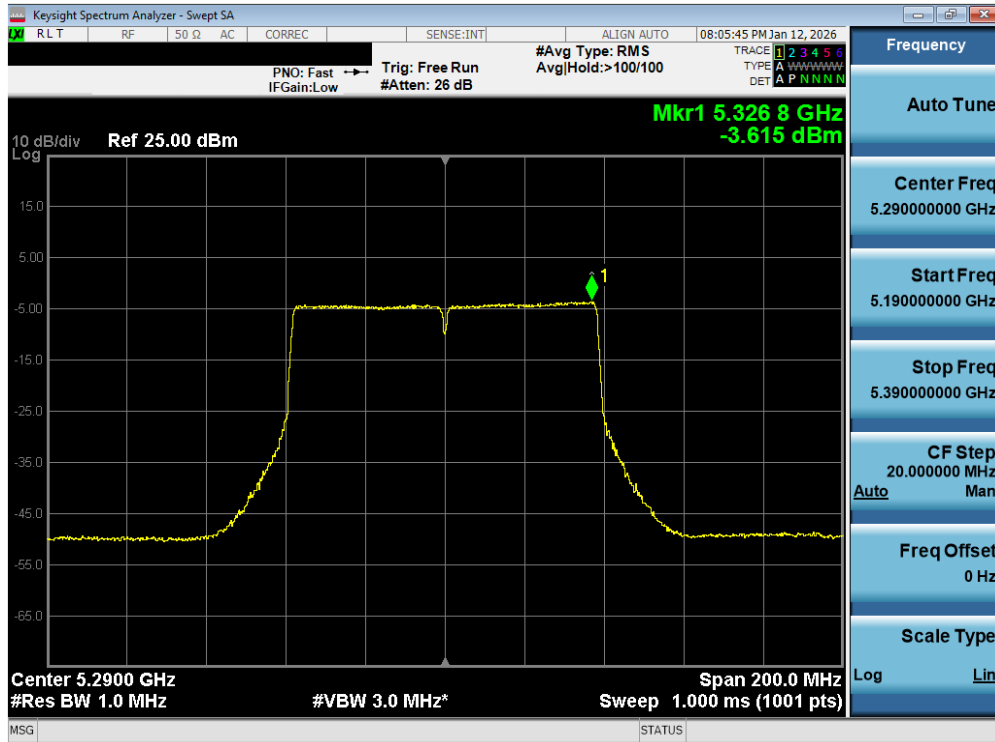


Plot 7-167. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

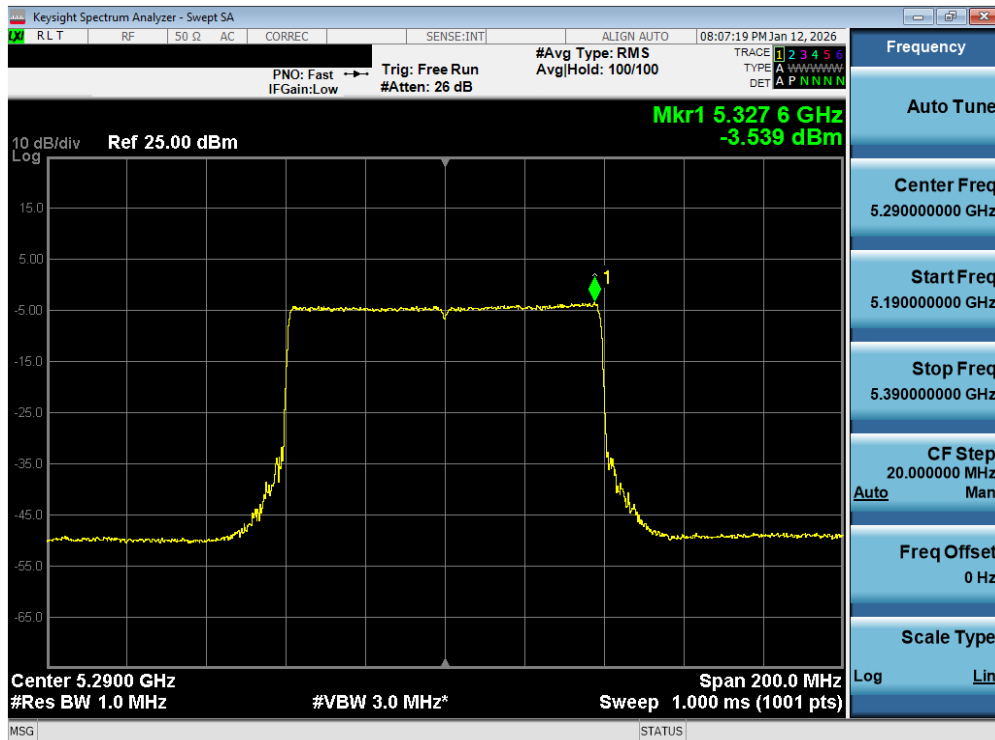


Plot 7-168. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 2A) – Ch. 54)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 120 of 182

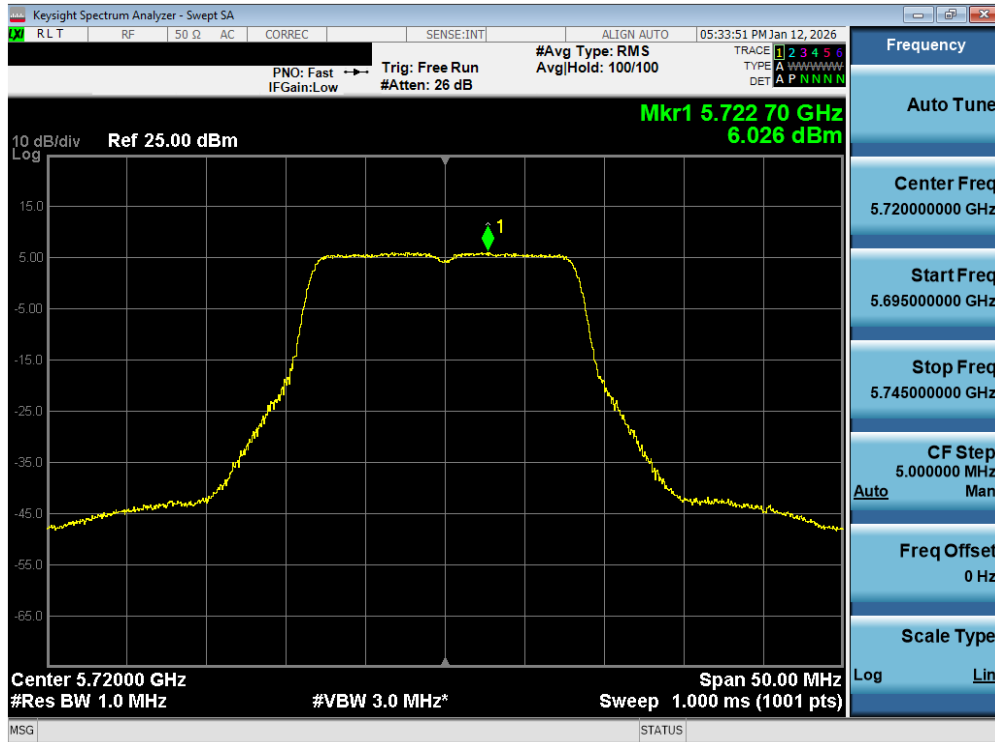


Plot 7-169. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

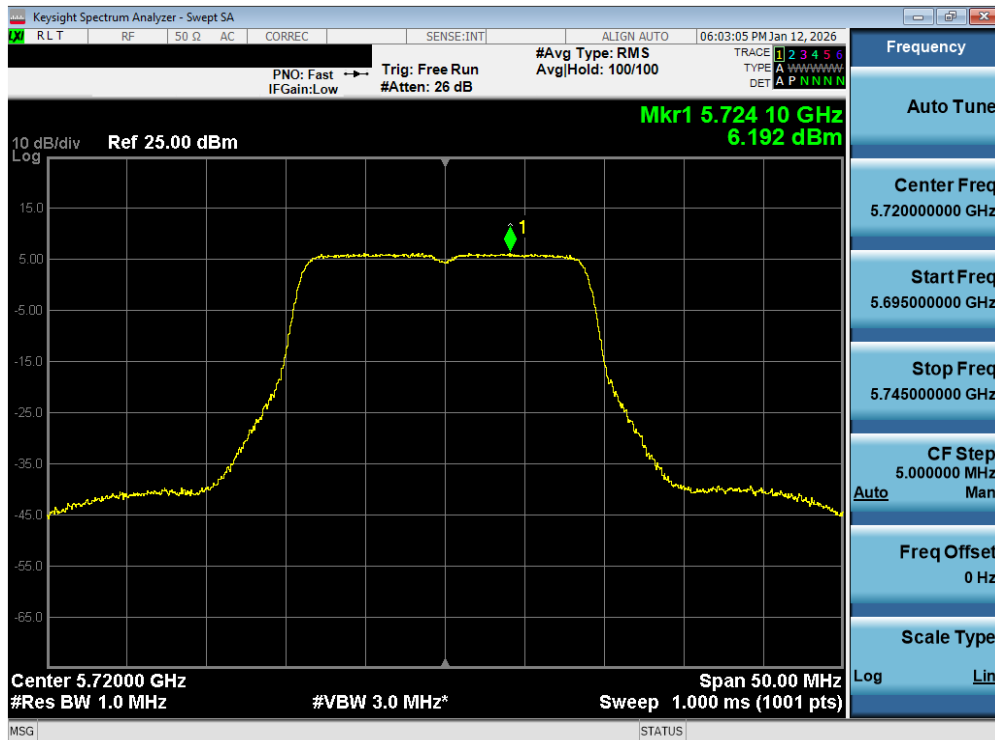


Plot 7-170. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 2A) – Ch. 58)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 121 of 182

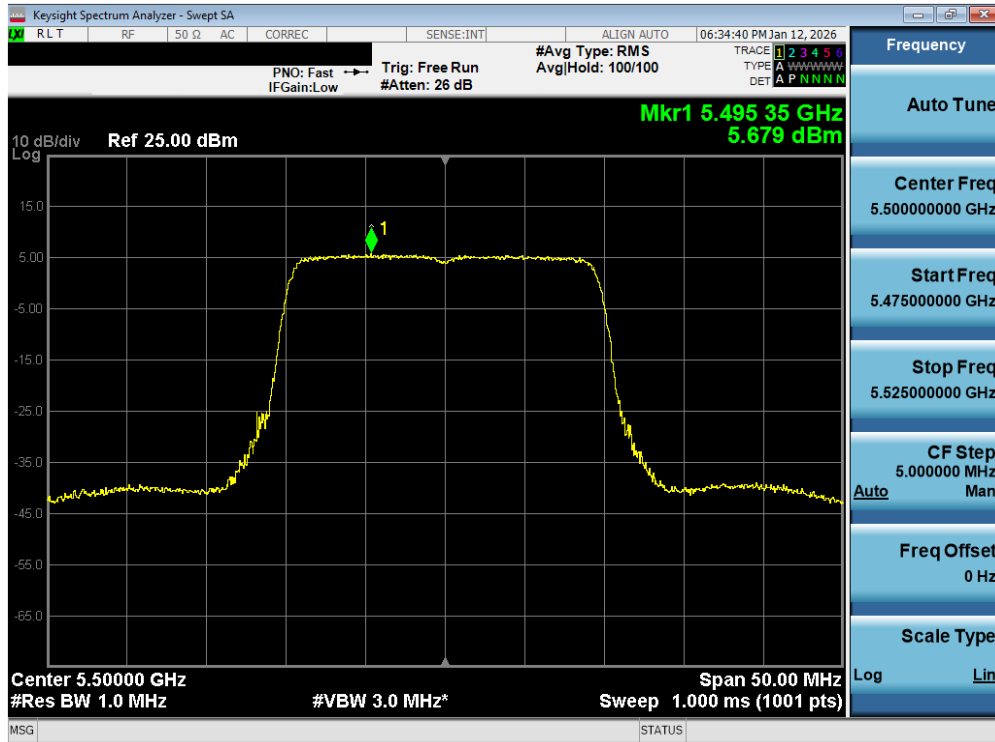


Plot 7-171. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 144)

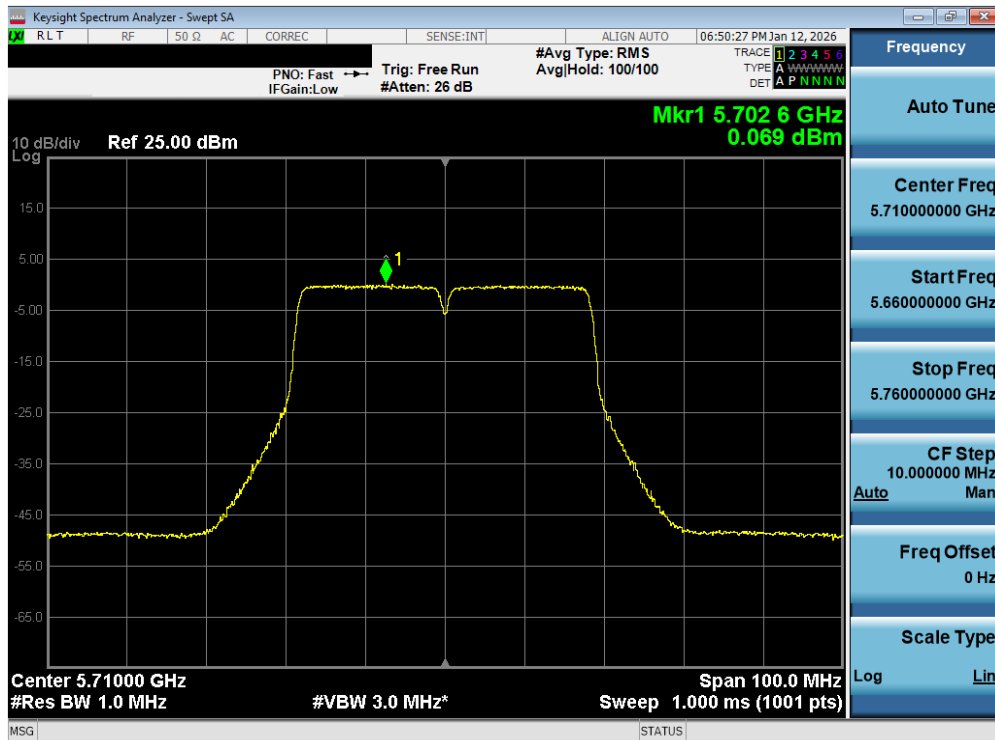


Plot 7-172. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 122 of 182

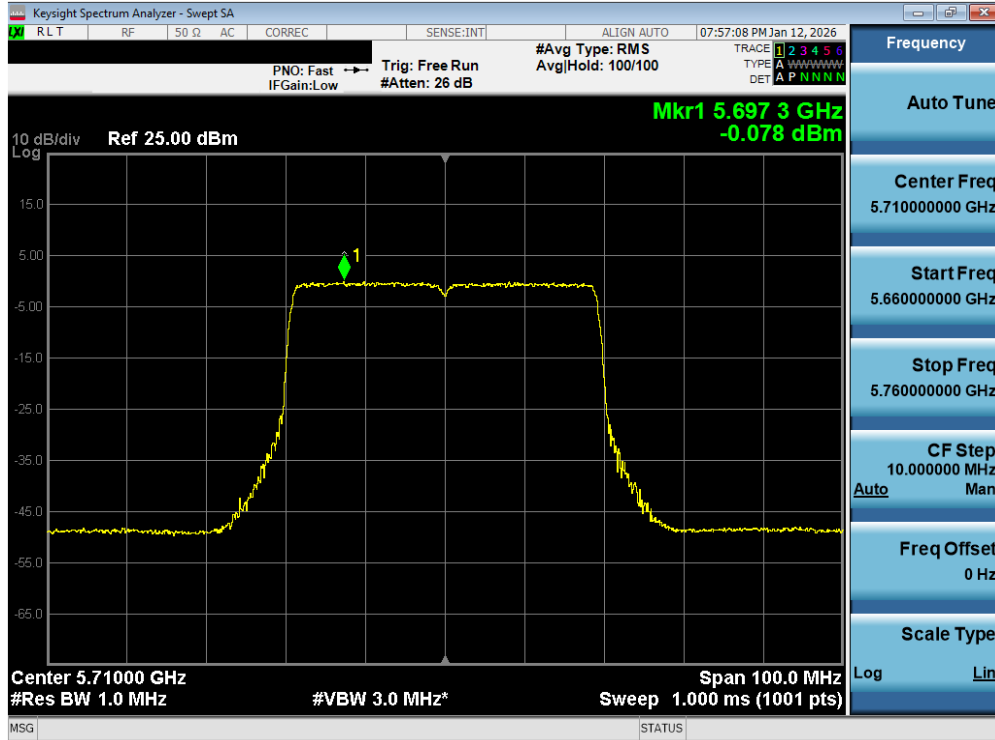


Plot 7-173. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 2C) – Ch. 100)

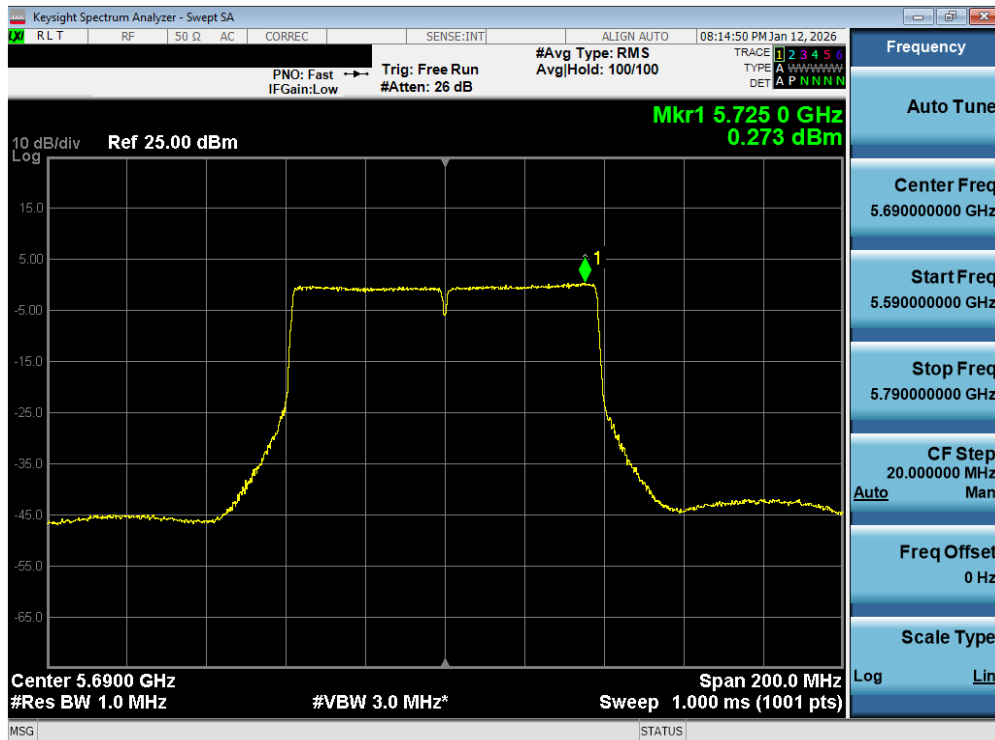


Plot 7-174. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 123 of 182

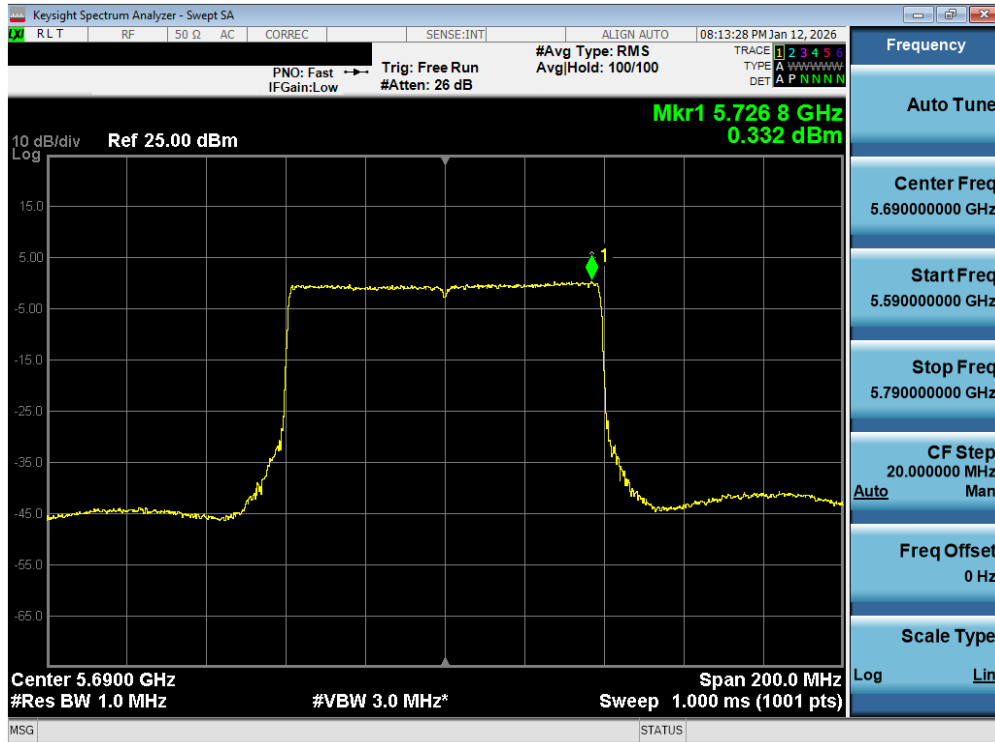


Plot 7-175. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 2C) – Ch. 142)

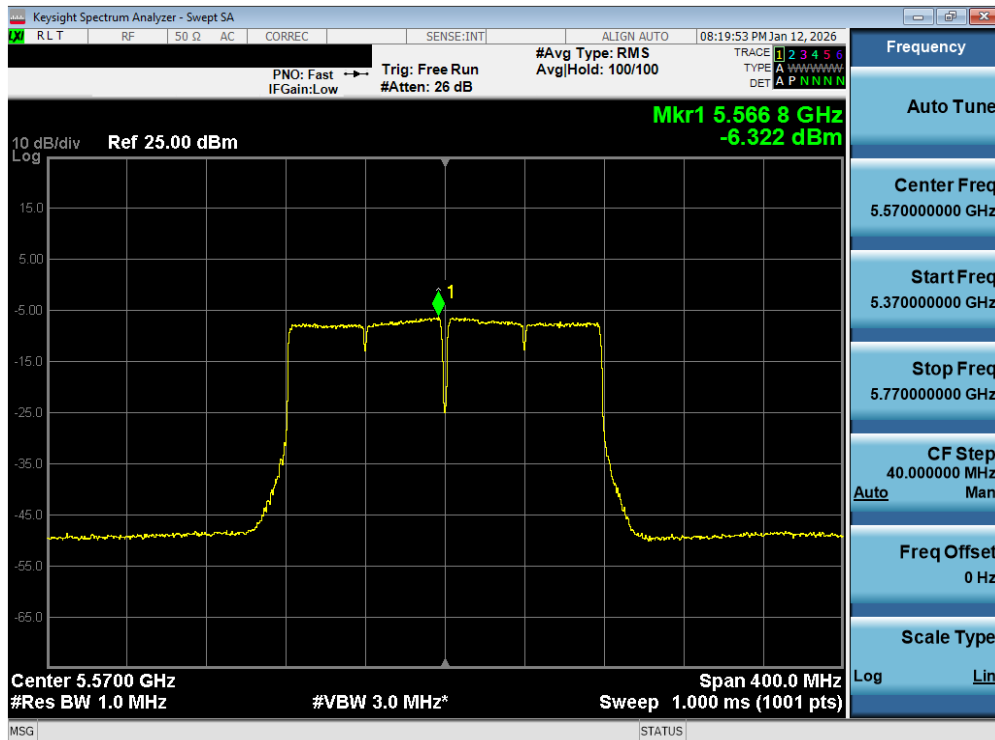


Plot 7-176. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 124 of 182

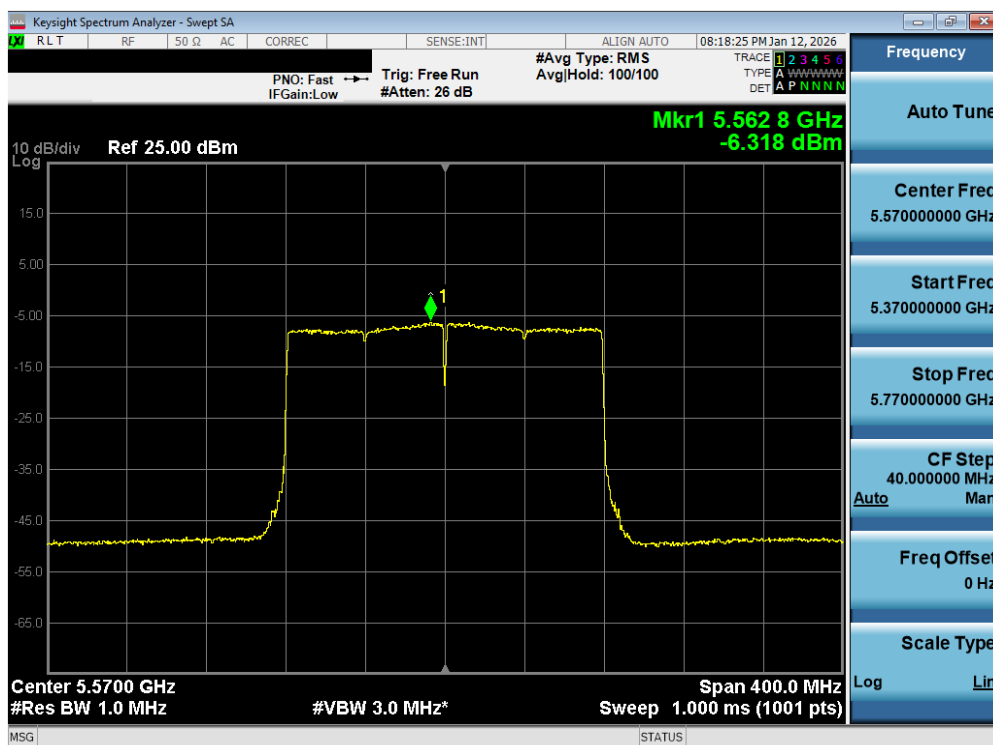


Plot 7-177. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 2C) – Ch. 138)

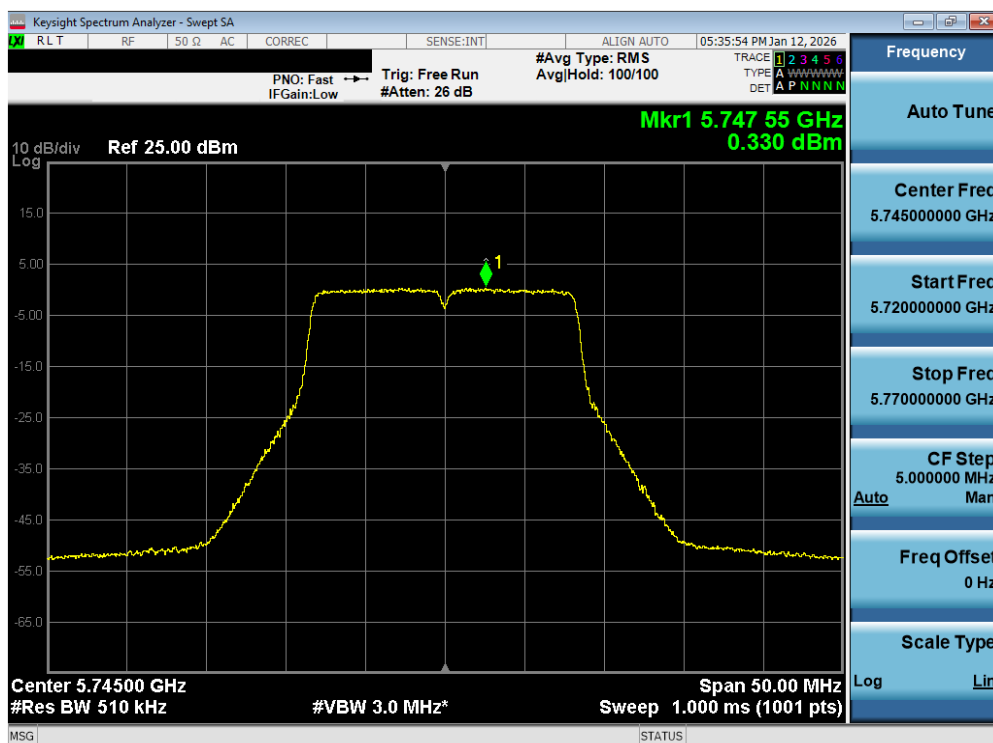


Plot 7-178. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 125 of 182

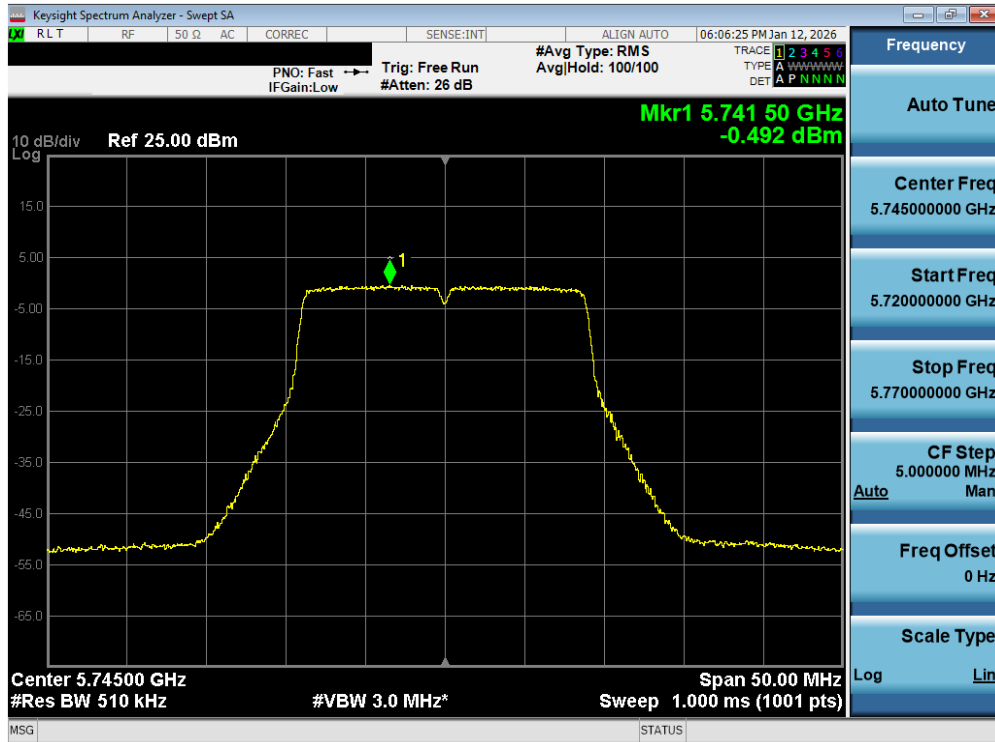


Plot 7-179. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 2C) – Ch. 114)

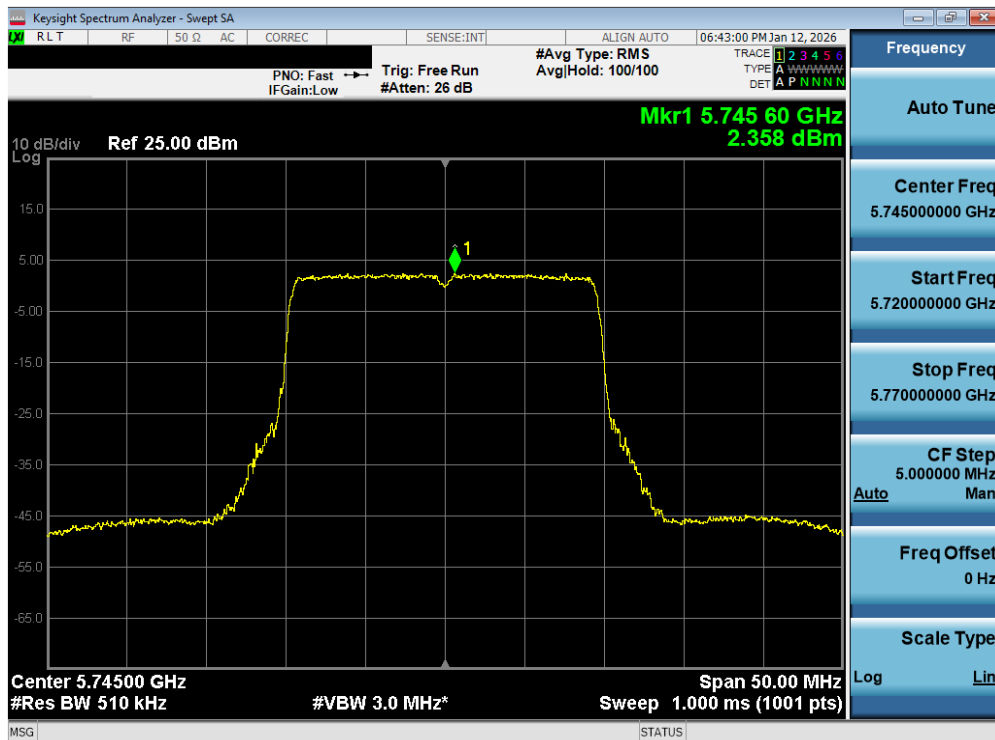


Plot 7-180. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) – Ch. 149)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 126 of 182

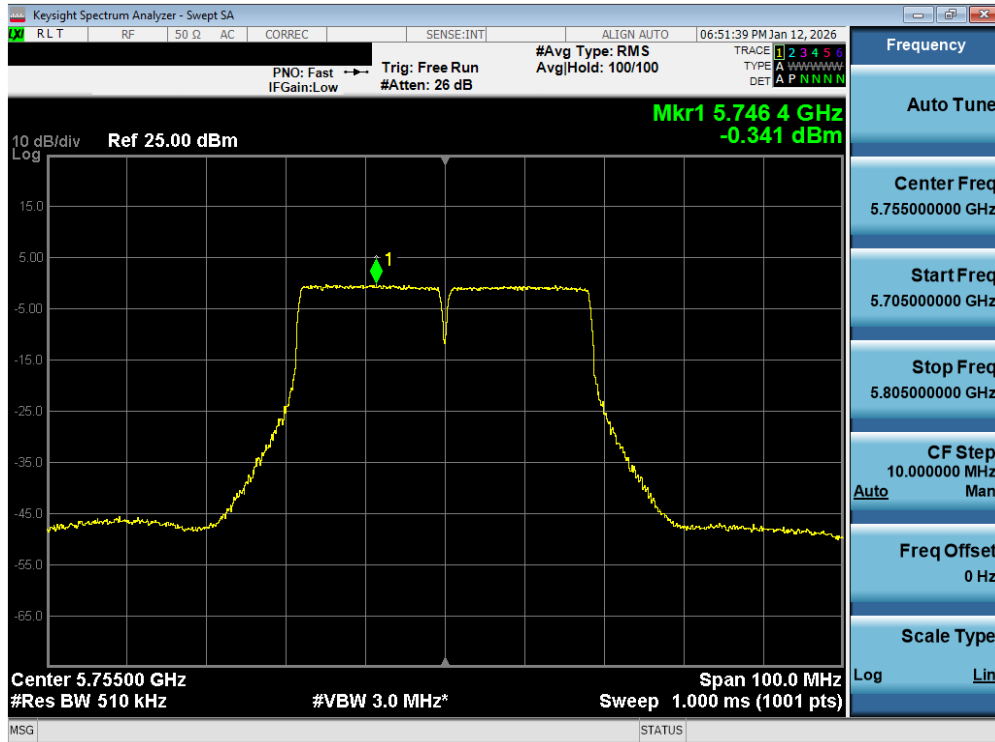


Plot 7-181. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

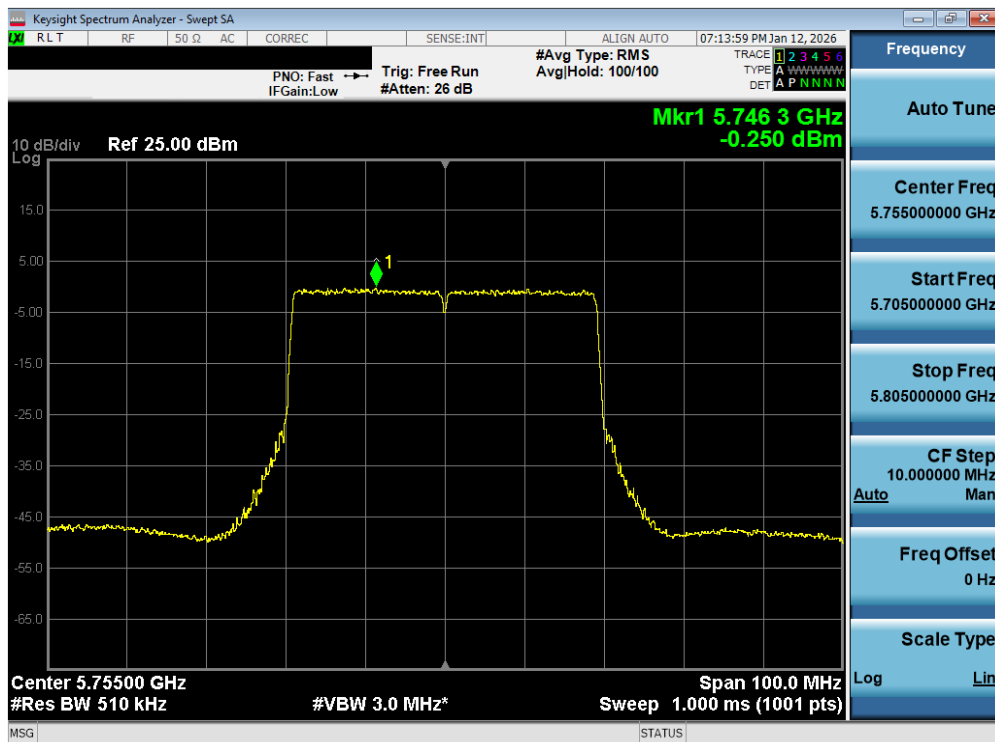


Plot 7-182. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 3) – Ch. 149)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 127 of 182

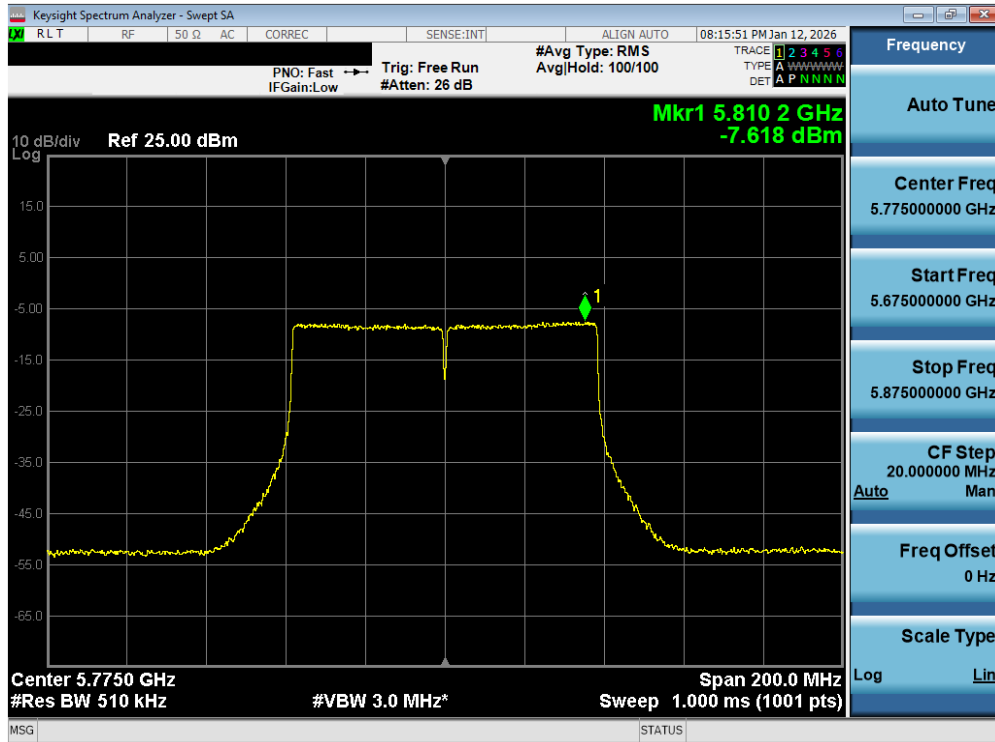


Plot 7-183. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

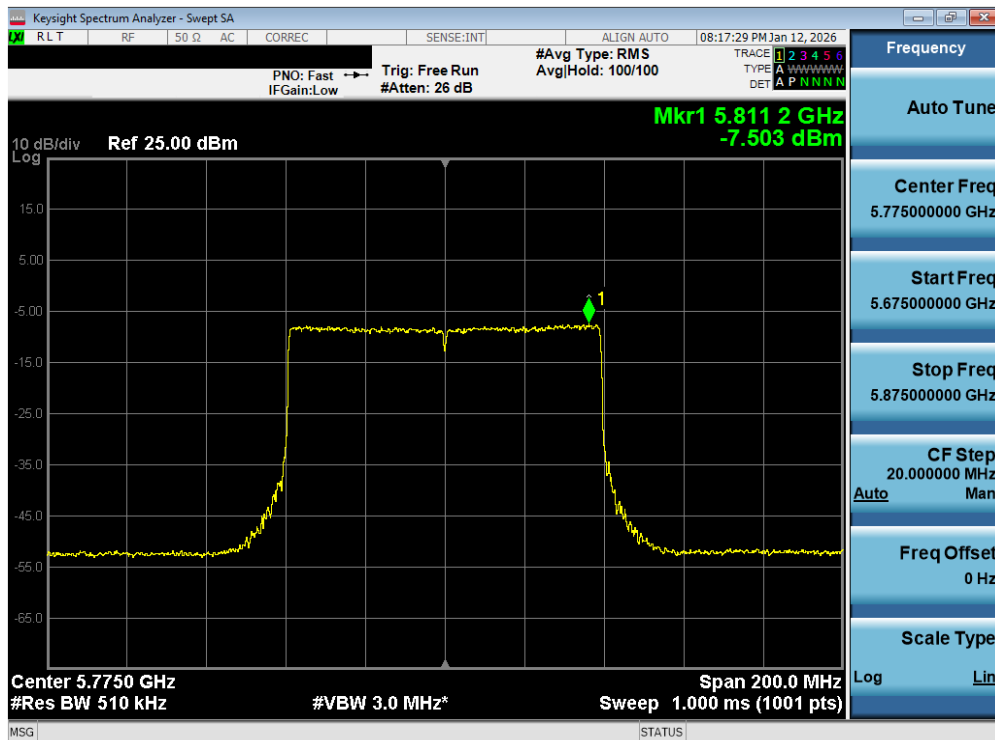


Plot 7-184. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 3) – Ch. 151)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 128 of 182

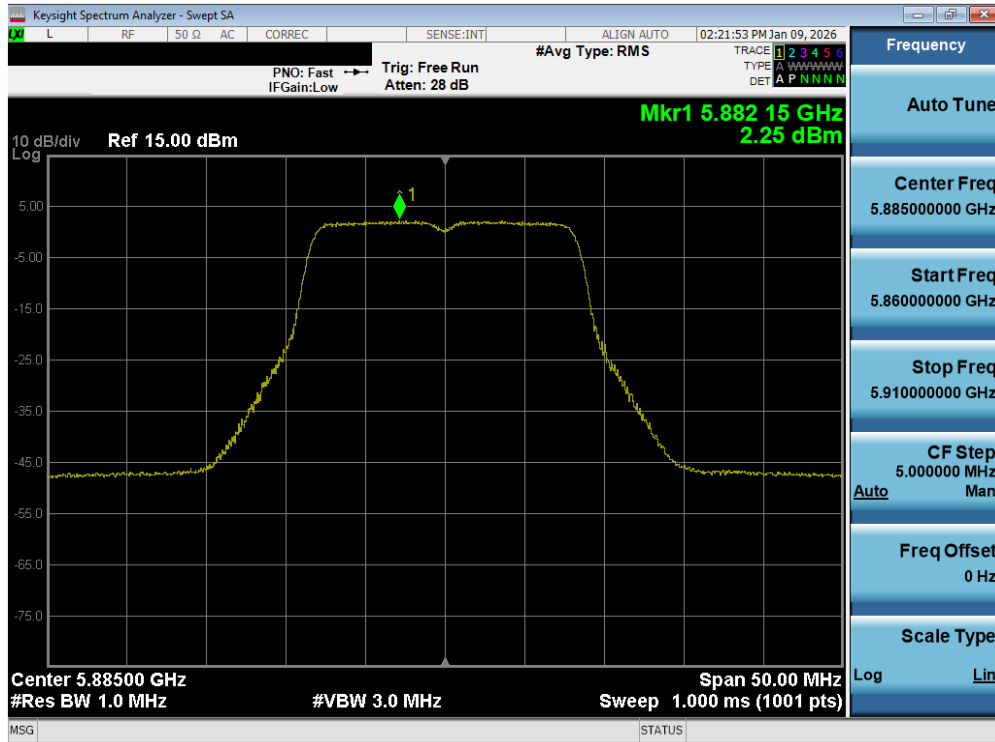


Plot 7-185. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

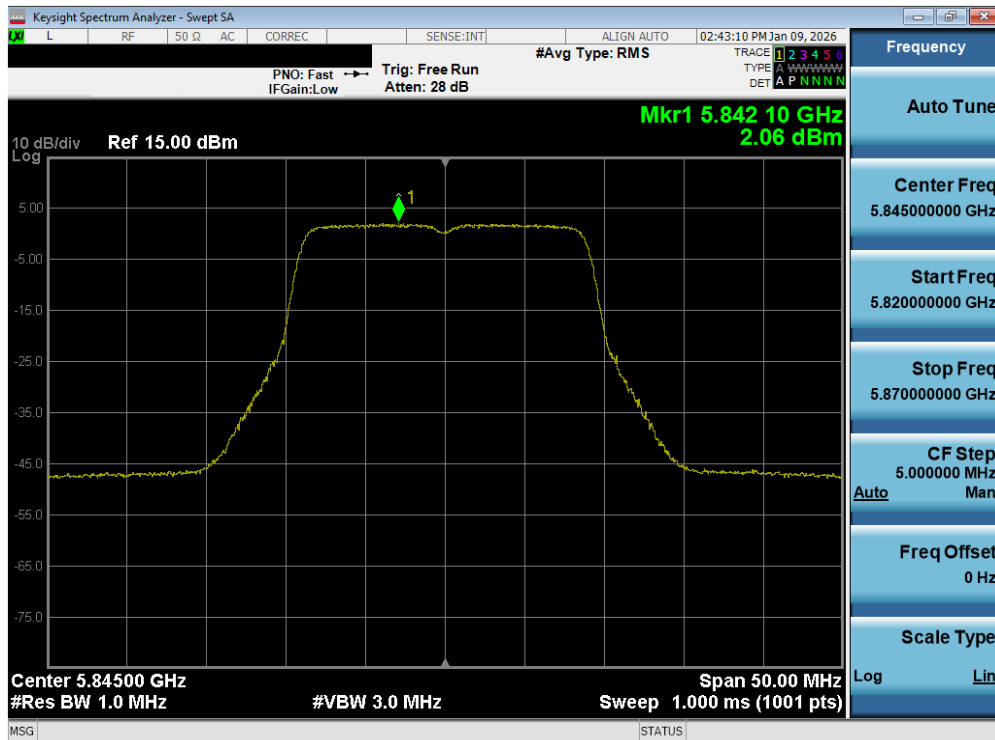


Plot 7-186. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 3) – Ch. 155)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 129 of 182

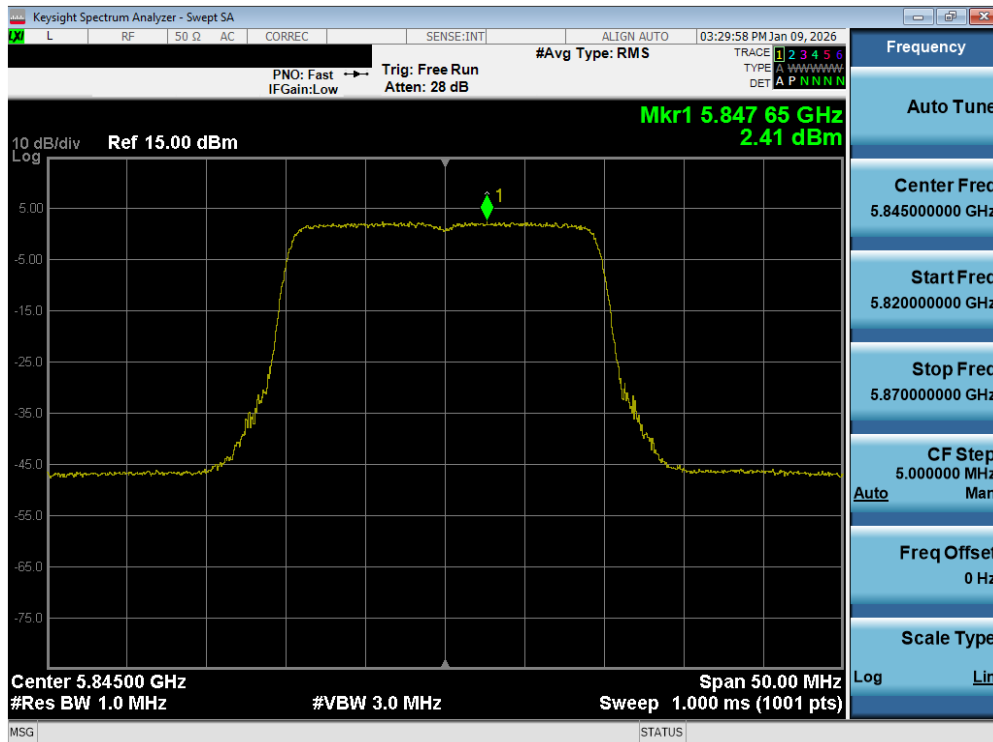


Plot 7-187. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11a (UNII Band 4) – Ch. 177)

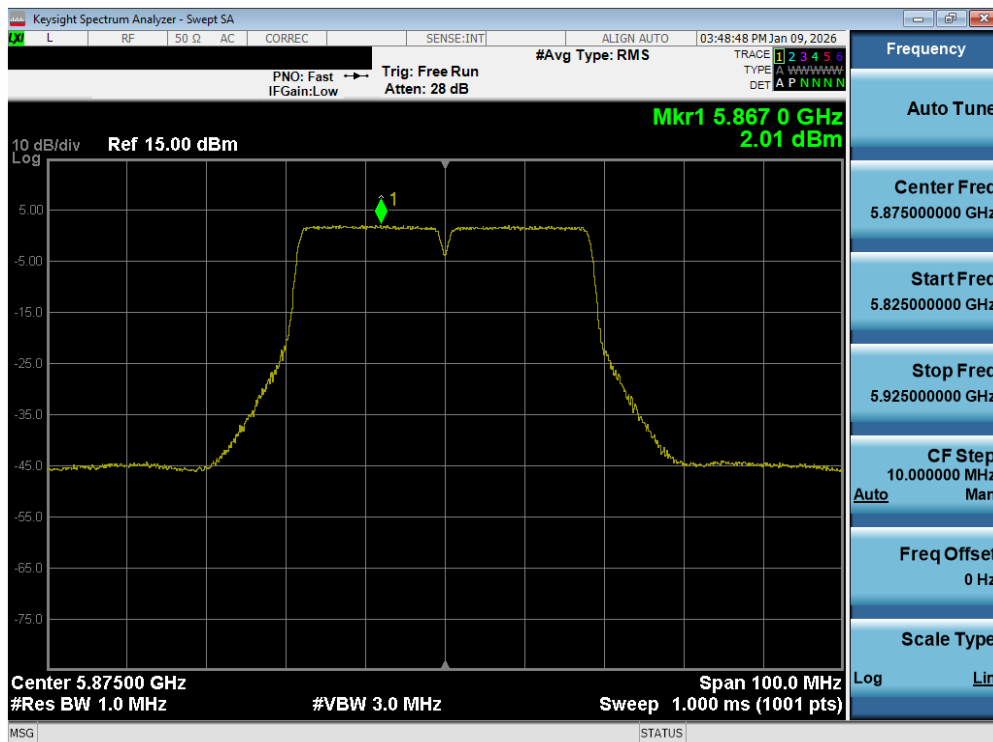


Plot 7-188. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3/4) – Ch. 169)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 130 of 182

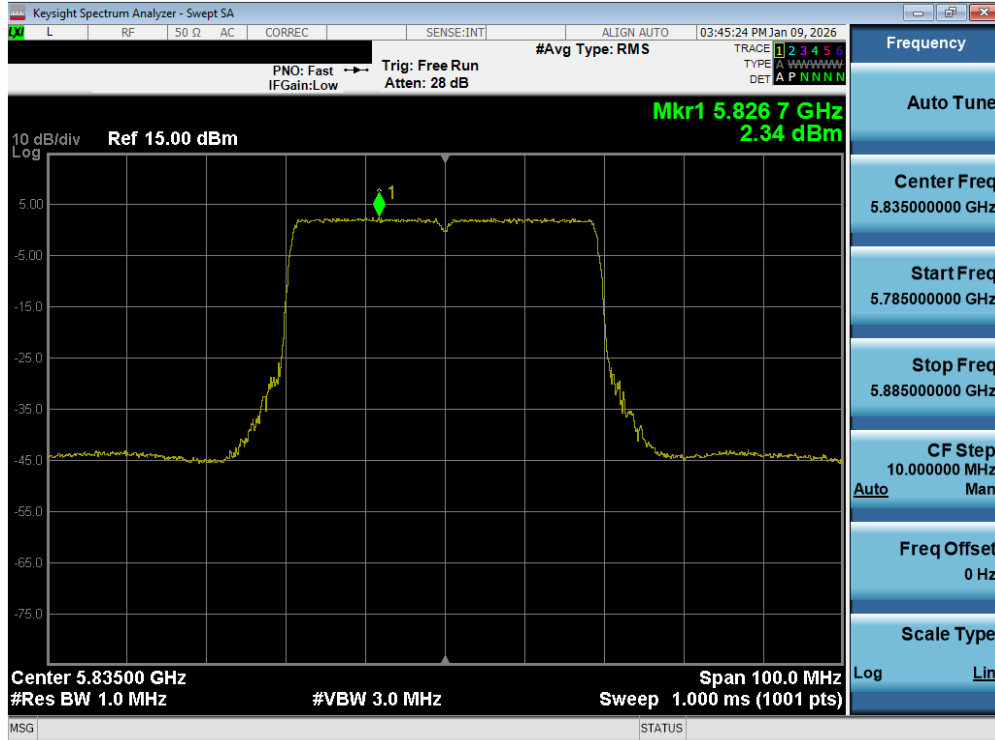


Plot 7-189. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 169)

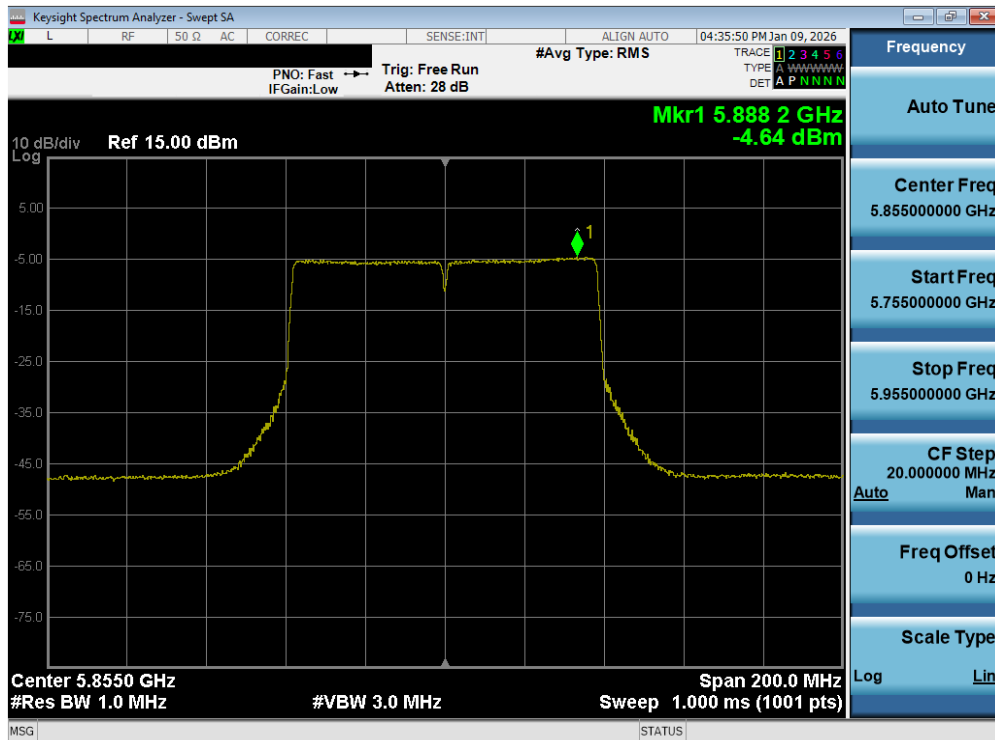


Plot 7-190. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 4) – Ch. 175)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 131 of 182

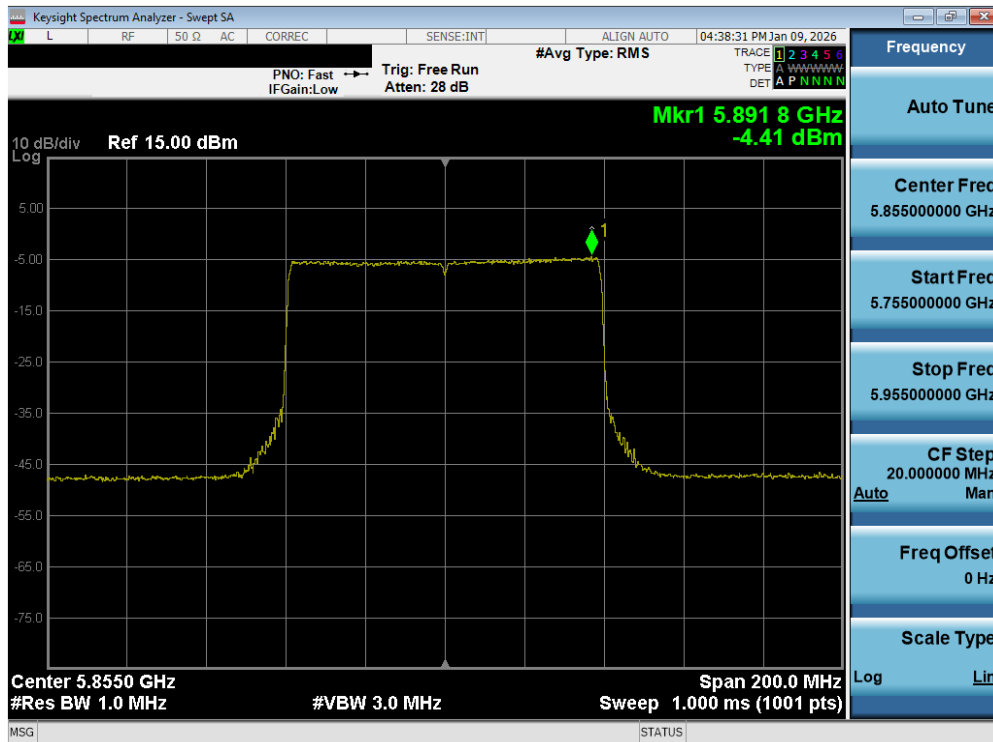


Plot 7-191. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 167)

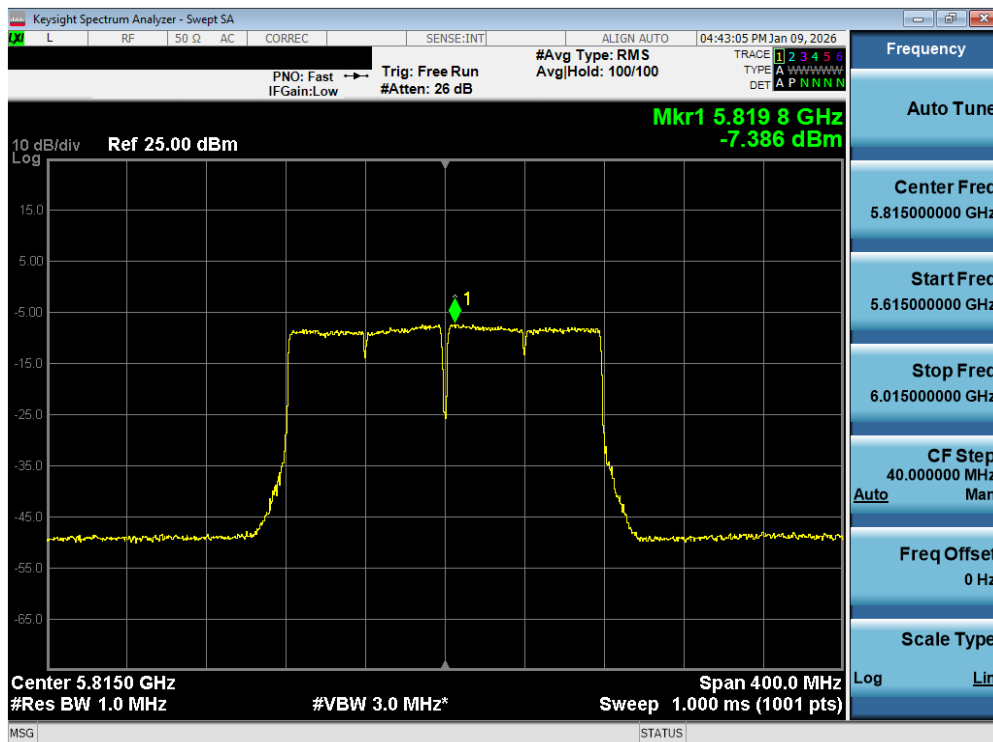


Plot 7-192. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3/4) – Ch. 171)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 132 of 182

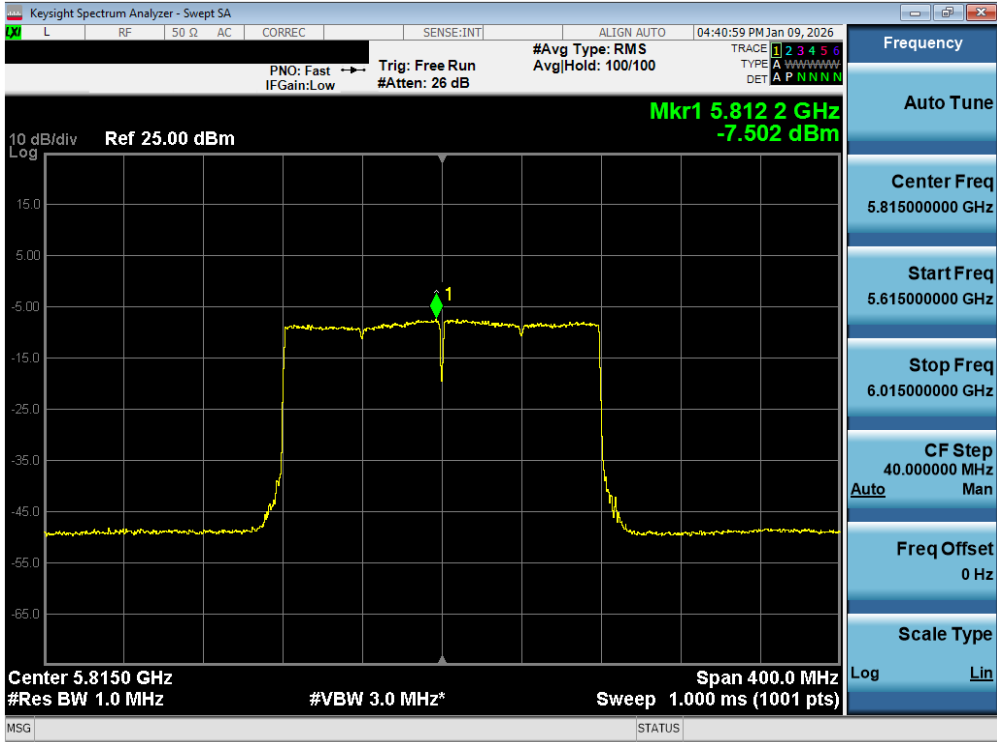


Plot 7-193. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 171)



Plot 7-194. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 3/4) – Ch. 163)

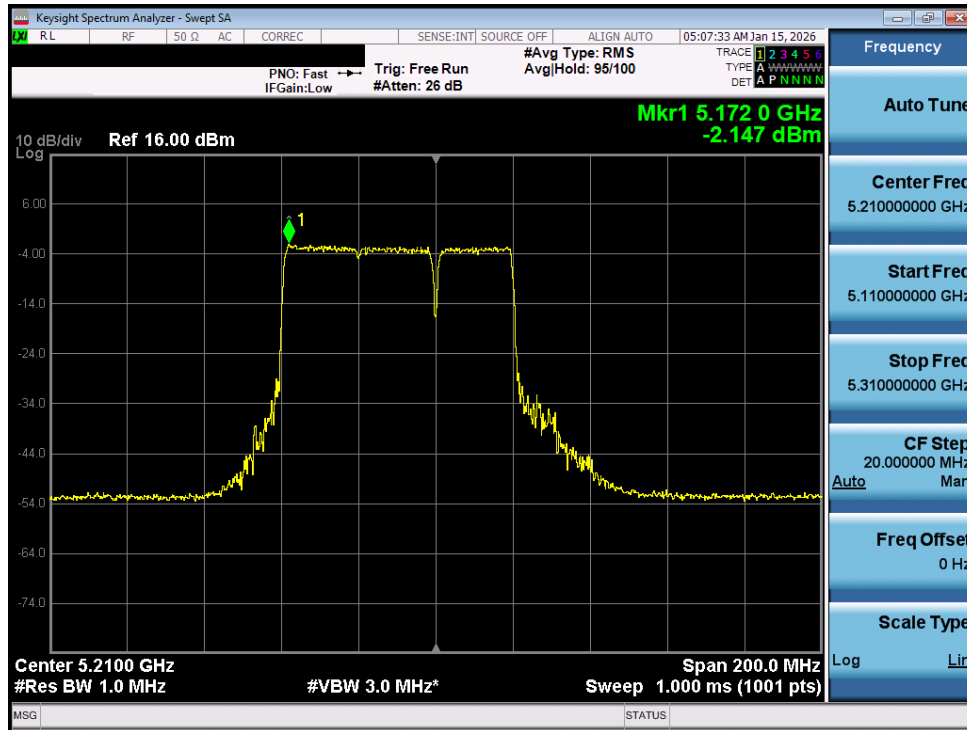
FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 133 of 182



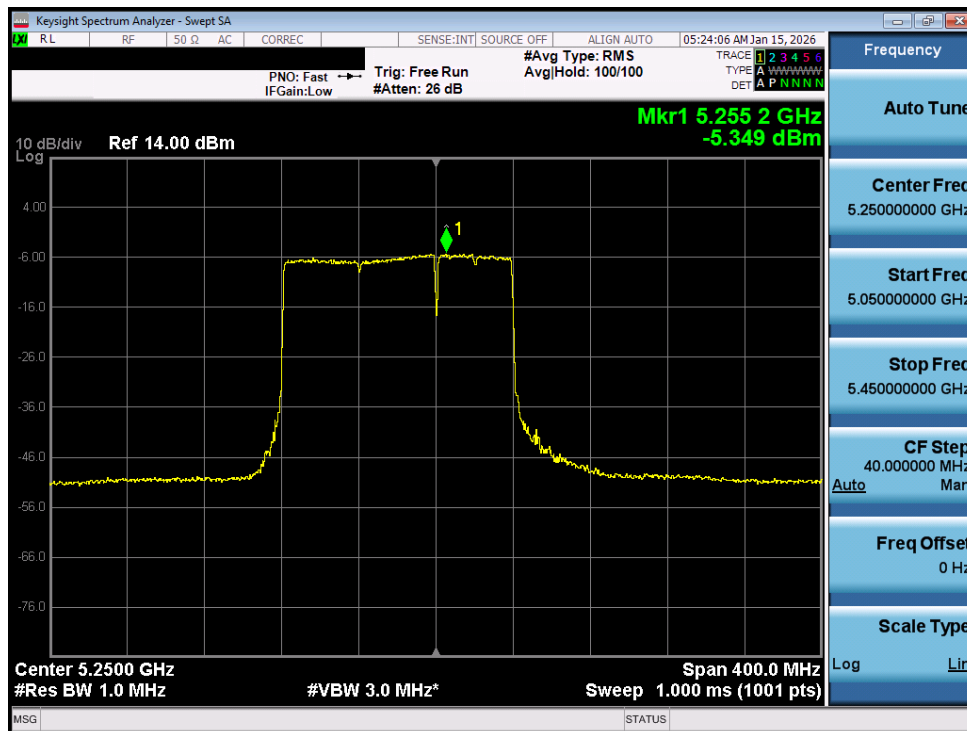
Plot 7-195. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax/be (UNII Band 3/4) – Ch. 163)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 134 of 182

7.5.3 MIMO Antenna-1 Power Spectral Density Measurements - Punctured

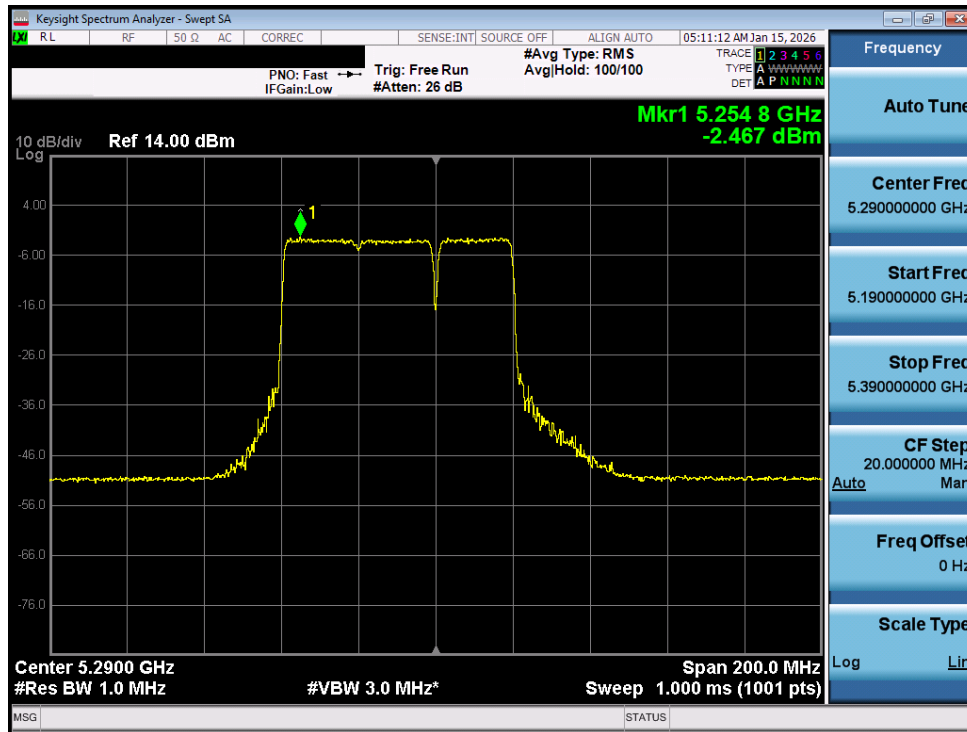


Plot 7-196. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 1) – Ch. 42)

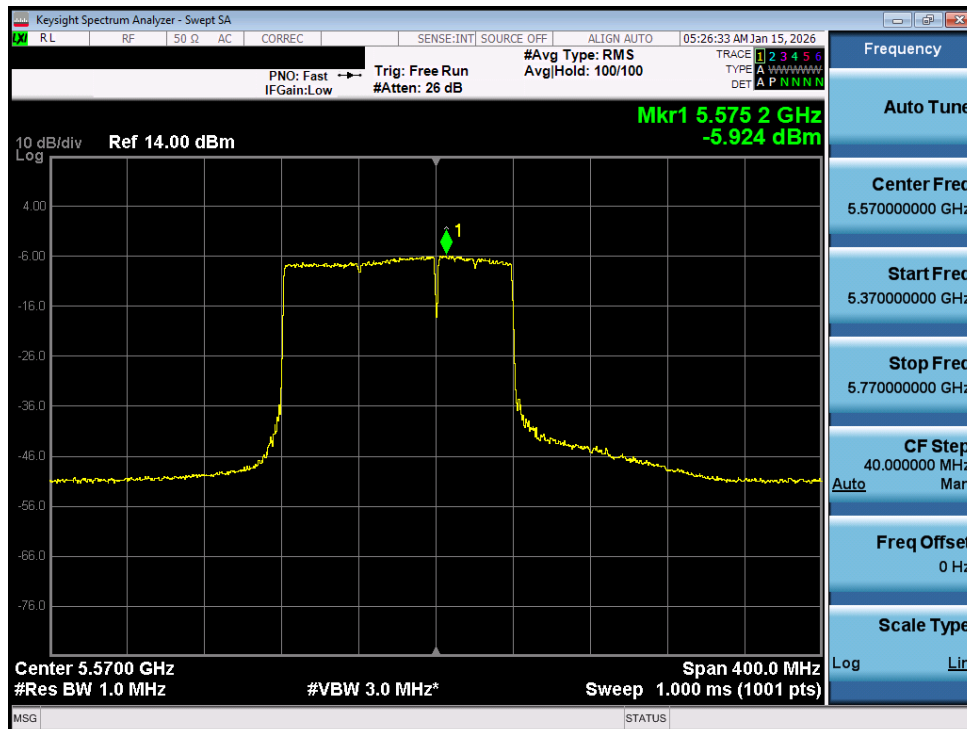


Plot 7-197. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 135 of 182

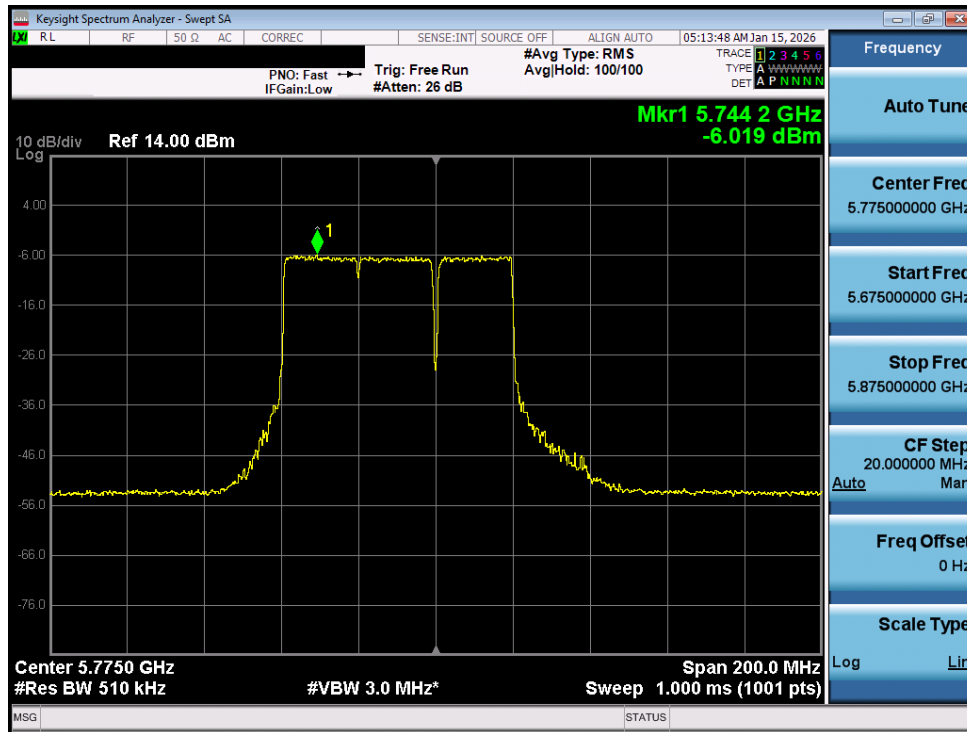


Plot 7-198. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 2A) – Ch. 58)

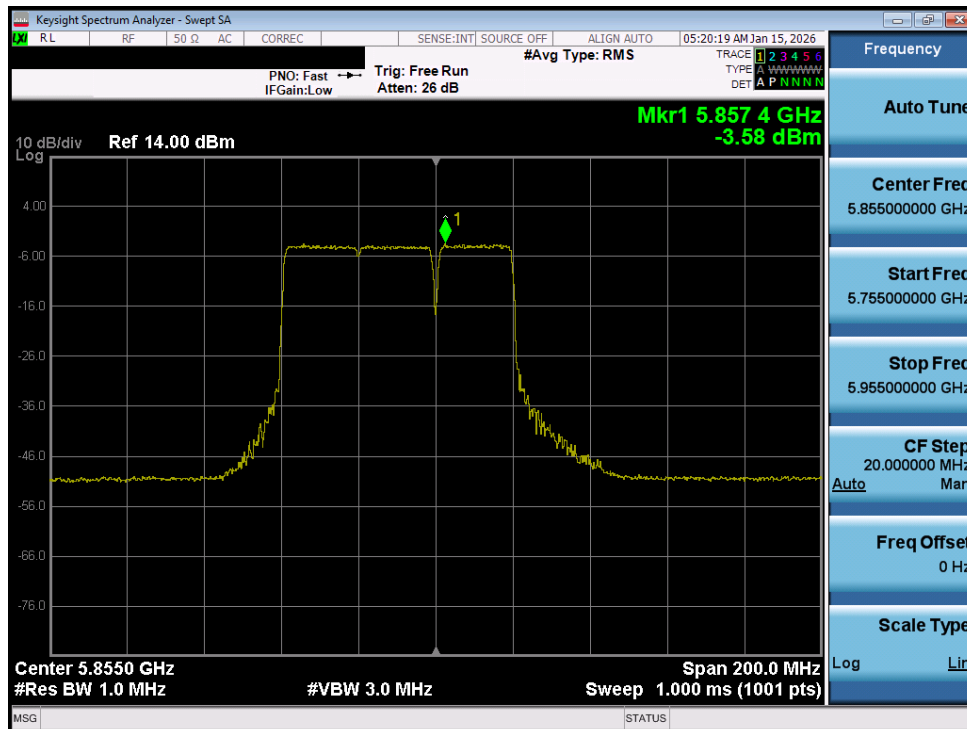


Plot 7-199. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
Test Report S/N: 1M2511240098-09-R2.C3K	Test Dates: 12/16/2025 - 03/11/2026	EUT Type: Portable Computing Device	Page 136 of 182

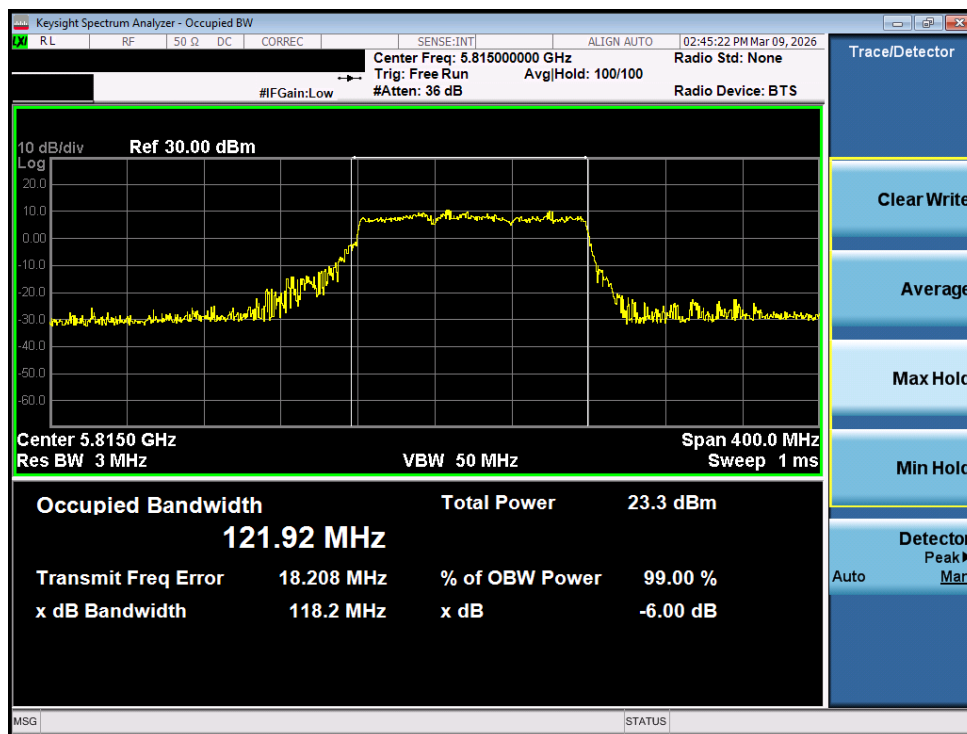


Plot 7-200. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 3) – Ch. 155)



Plot 7-201. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be (UNII Band 3/4) – Ch. 171)

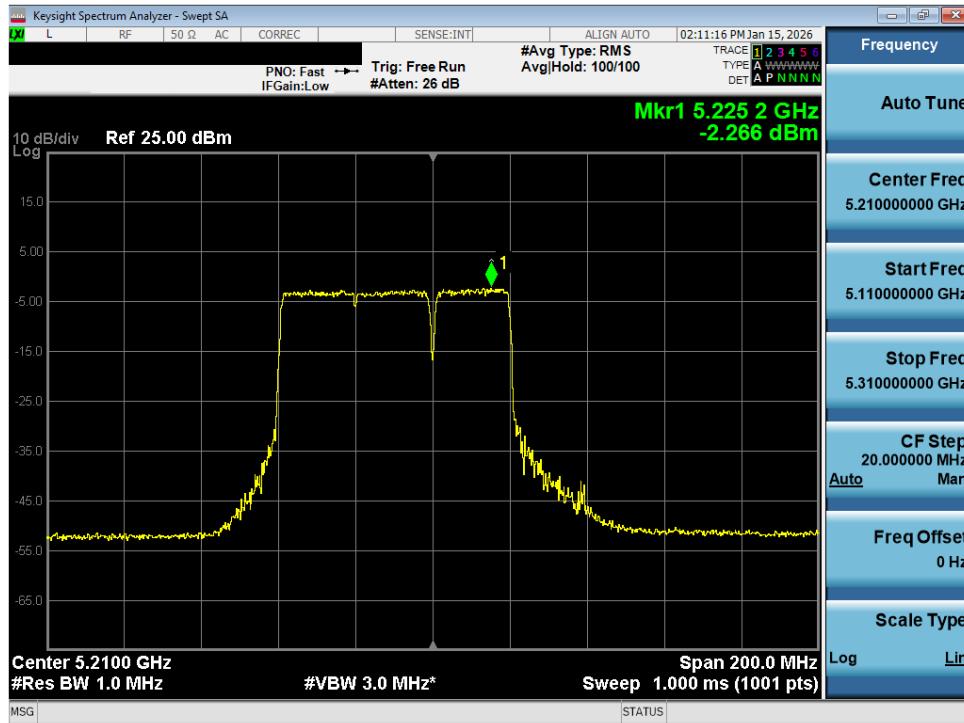
FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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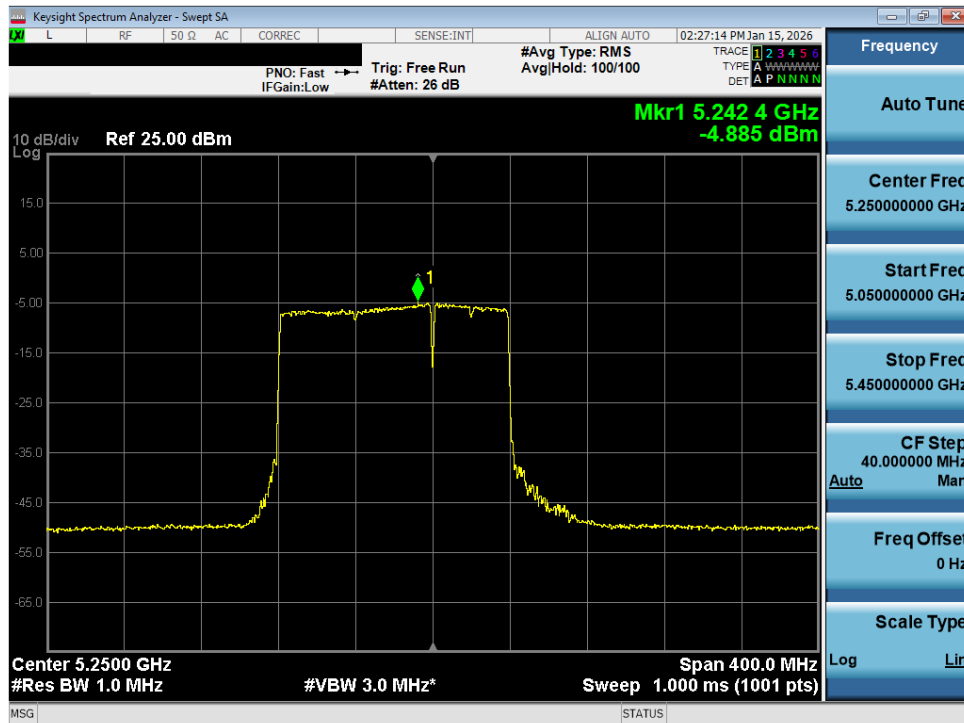
Plot 7-202. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be (UNII Band 3/4) – Ch. 163)

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7.5.4 MIMO Antenna-2 Power Spectral Density Measurements - Punctured

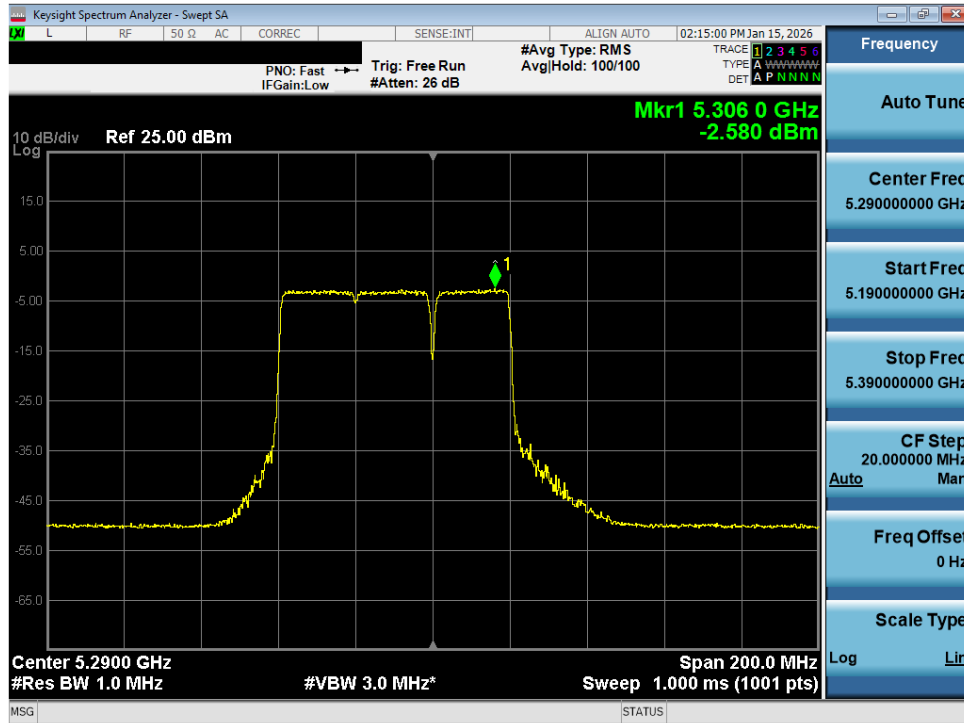


Plot 7-203. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 1) – Ch. 42)

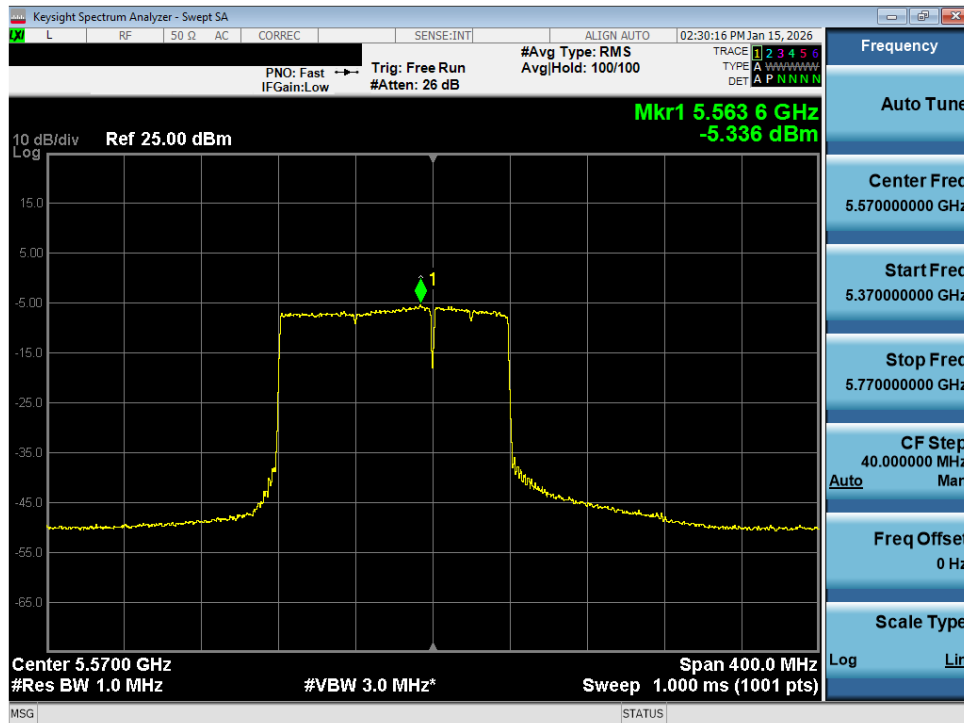


Plot 7-204. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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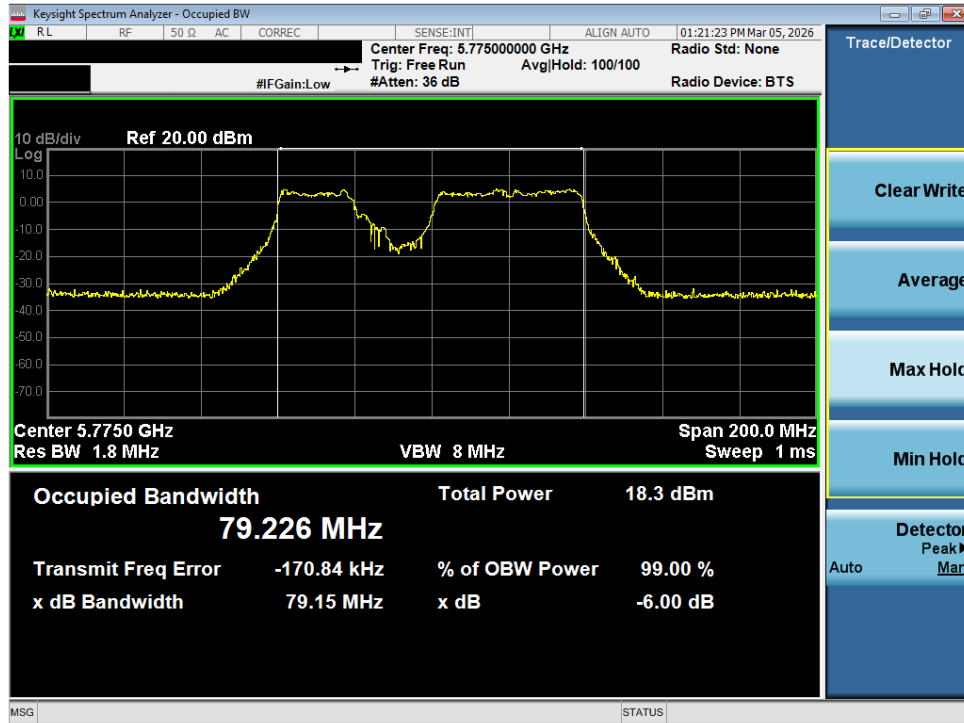


Plot 7-205. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 2A) – Ch. 58)

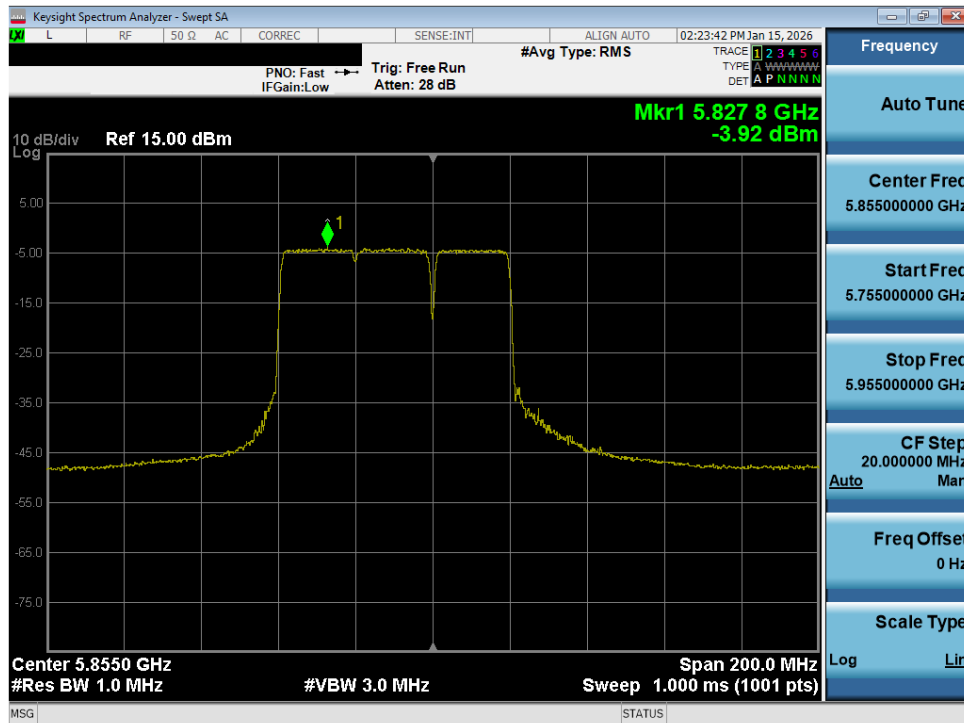


Plot 7-206. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 2C) – Ch. 114)

FCC ID: C3K2076	MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE		Approved by: Technical Manager
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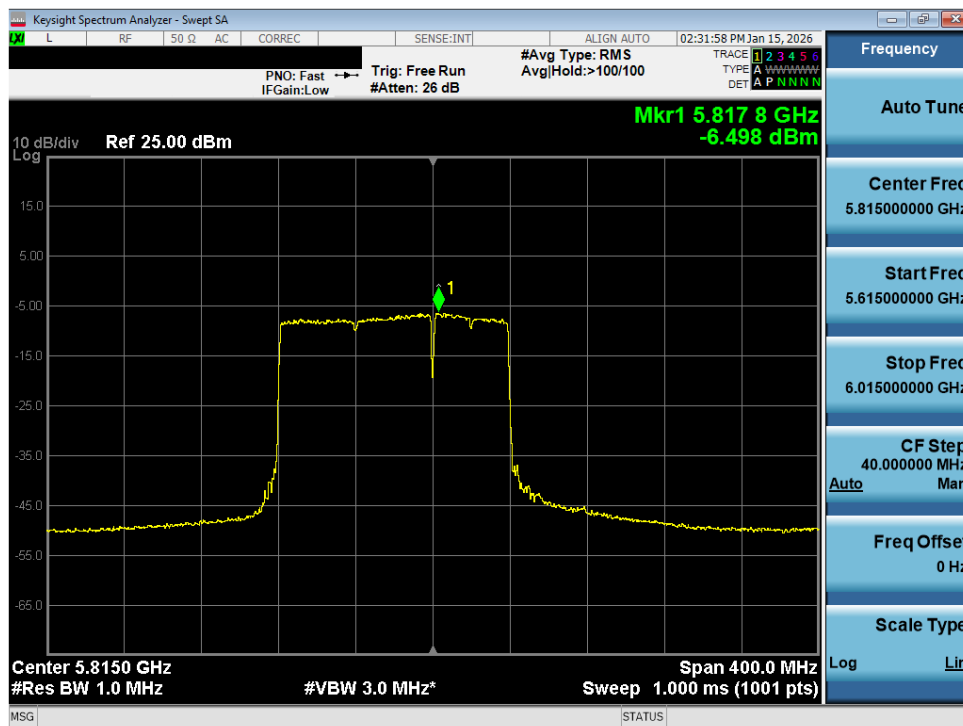


Plot 7-207. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 3) – Ch. 155)



Plot 7-208. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be (UNII Band 3/4) – Ch. 171)

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Plot 7-209. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be (UNII Band 3/4) – Ch. 163)

Note:

Per ANSI C63.10-2020 Section 14.3.2.2 the power spectral density at Antenna-1 and Antenna-2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample MIMO Calculation:

At 5845MHz in 802.11a (20MHz BW) mode, the average conducted power spectral density was measured to be 2.43 dBm for Antenna 1 and 2.30 dBm for Antenna 2.

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

$$(2.43 \text{ dBm} + 2.30 \text{ dBm}) = (1.75 \text{ mW} + 1.70 \text{ mW}) = 3.45 \text{ mW} = 5.38 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

At 5845MHz in 802.11a (20MHz BW) mode, the average MIMO power density was calculated to be 5.38 dBm with directional gain of 7.20 dBi.

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

$$5.38 \text{ dBm} + 7.20 \text{ dBi} = 12.57 \text{ dBm}$$

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7.6 Radiated Emission Measurements

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020, and at the appropriate frequencies. All channels, modes, and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst-case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

For transmitters operating in the 5.850 – 5.895 GHz band: all emissions at or above 5.895GHz shall not exceed an e.i.r.p. of -5dBm/MHz and shall decrease linearly up to an e.i.r.p. of -27dBm/MHz at or above 5.925GHz, and all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27dBm/MHz at 5.65 GHz increasing linearly to 10dBm/MHz at 5.7GHz and from 5.7GHz increasing linearly to a level of 15.6dBm/MHz at 5.72GHz, and from 5.72GHz increasing linearly to a level of 27dBm/MHz at 5.725GHz.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in the table below per FCC §15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400\F (kHz)	300
0.490 – 1.705 MHz	24000\F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-32. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Sections 12.7.7.2, 12.7.6, 12.7.5 (Radiated Spurious Emissions)

ANSI C63.10-2020 – Section 12.7.4.4 (Band Edge Measurements)

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Test Settings – Above 1GHz

Average Field Strength Measurements (Method AD – Average Detection)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span} \backslash \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize.

Test Settings – Below 1GHz

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize.

Test Setup

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

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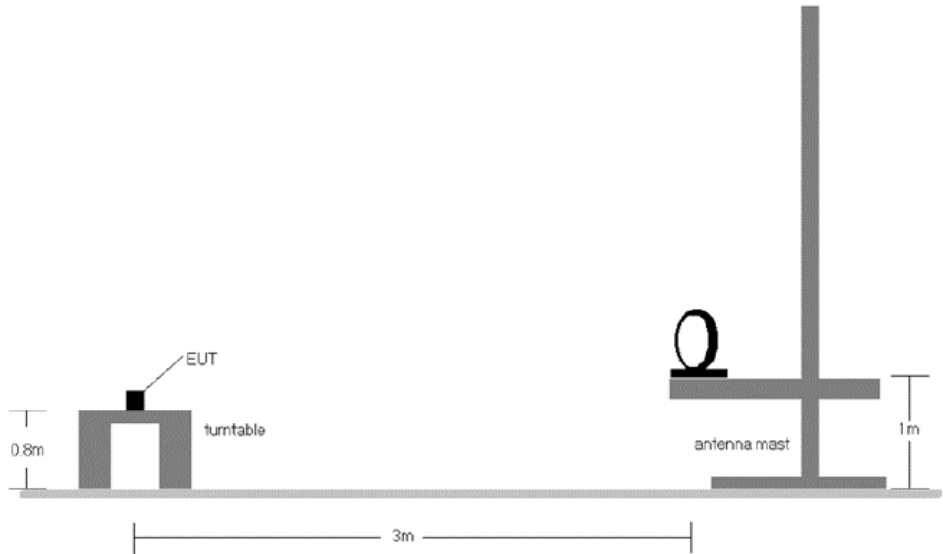


Figure 7-5. Radiated Test Setup < 30MHz

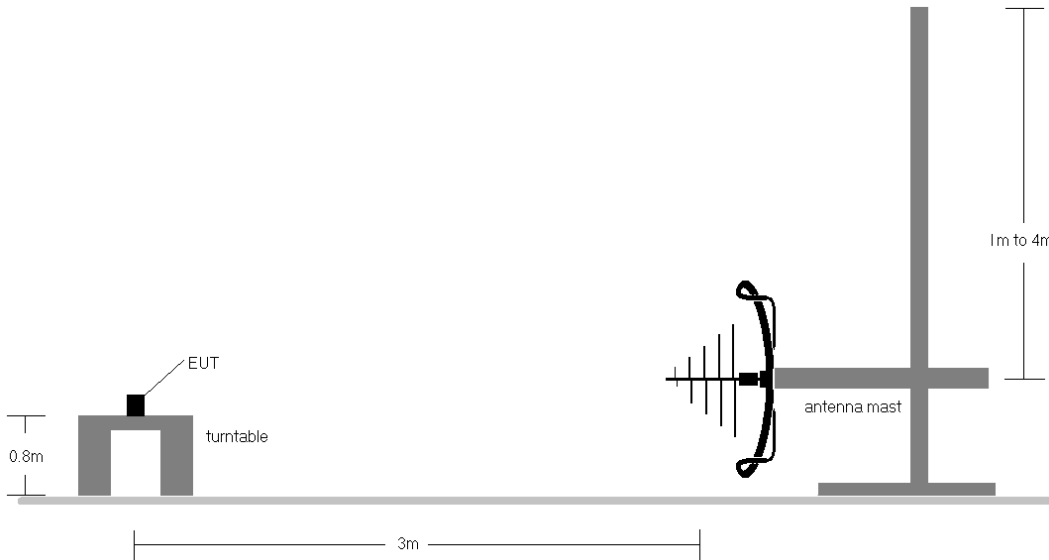


Figure 7-6. Radiated Test Setup < 1GHz

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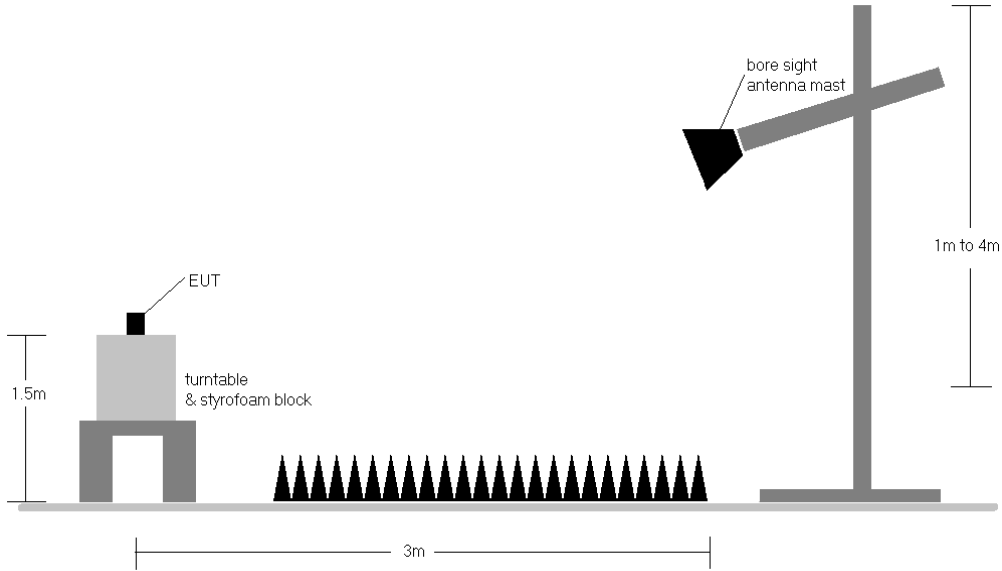


Figure 7-7. Radiated Test Setup > 1GHz

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Test Notes

1. All spurious emissions lying in restricted bands specified in §15.205 are below the limits shown in §15.209. All spurious emissions that do not lie in a restricted band are subject to an average limit of -27dBm/MHz. At 3 meters, the field strength limit in dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
2. All spurious emissions that do not lie in a restricted band are subject to a peak limit not to exceed 20dB of the average limit [68.2dB μ V/m]. If a peak measurement passes the average limit, it was determined no further investigation is necessary.
3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported, however emissions whose levels were not within 20dB of the respective limits were not reported.
6. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. In the case where a peak-detector measurement passed the given RMS limit it was determined sufficient to demonstrate compliance.
10. The results recorded using the broadband antenna are known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
11. In this section, plots showing measurements shown as "channel power" are recorded using the integration methods described in Section 11.12.3.2 of ANSI C63.10:2020 for average and peak measurements as allowed per Section 12.7.4.4.1. Also, the average measurements include the duty cycle correction factor shown in Section 2.2 of this report.

Sample Calculations

Determining Spurious Emissions Levels

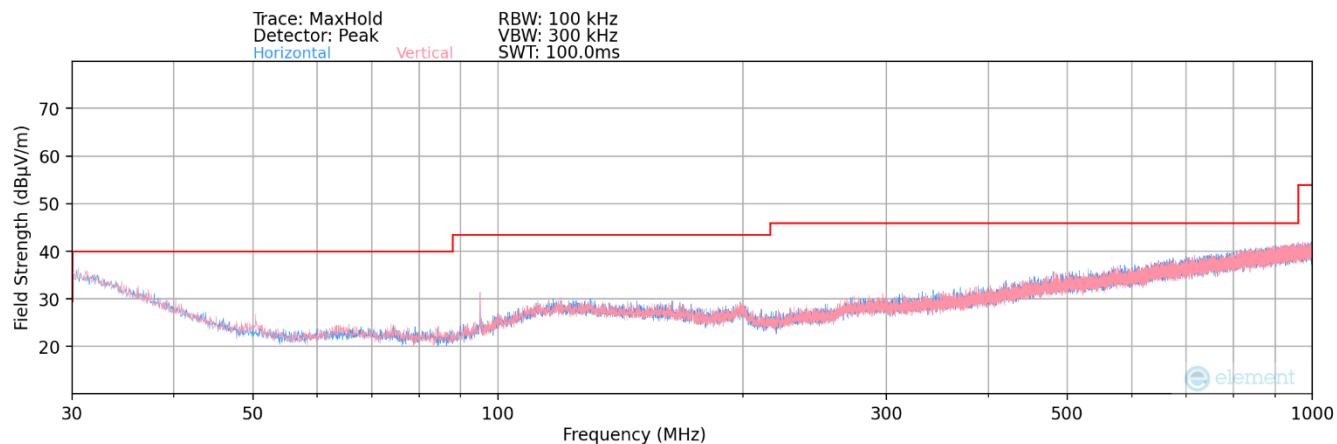
- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.6.1 MIMO Radiated Spurious Emission Measurements

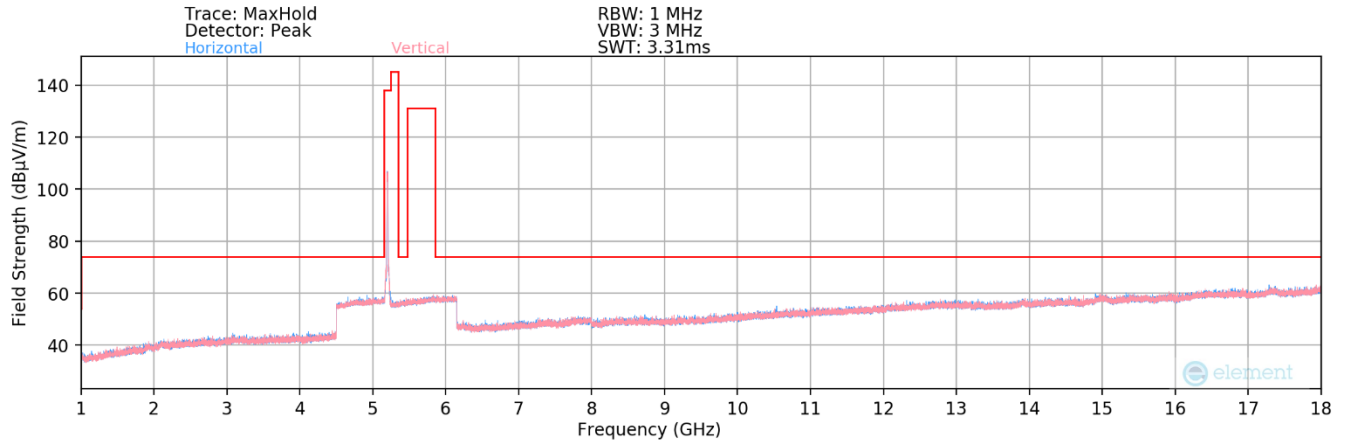


Plot 7-210. Radiated Spurious Plot below 1GHz MIMO (802.11a)

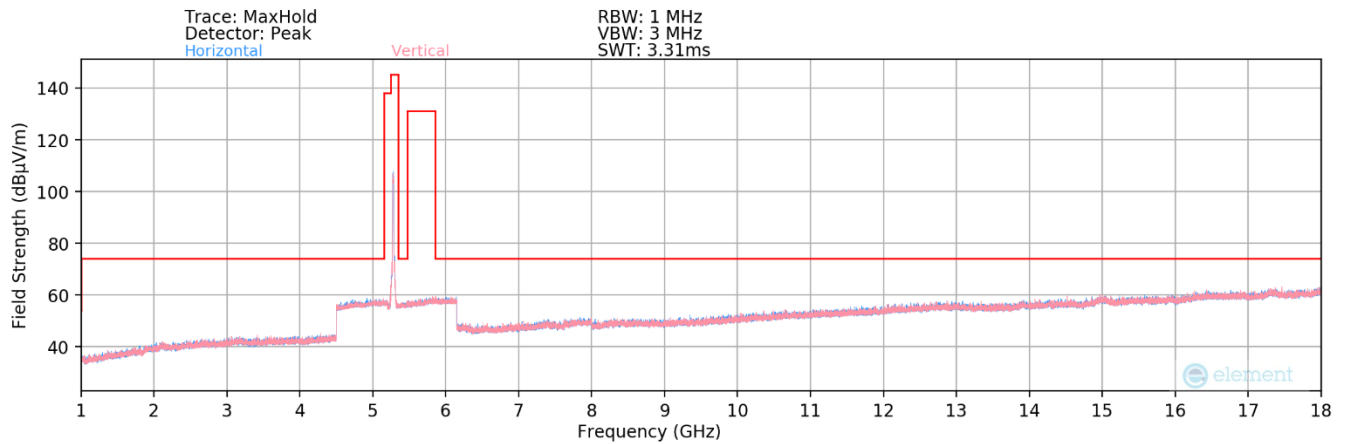
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	2C	100	5500		95.14	Quasi-Peak	H	334	94	-91.55	15.98	31.43	43.52	-12.09

Table 7-33. Radiated Measurements MIMO

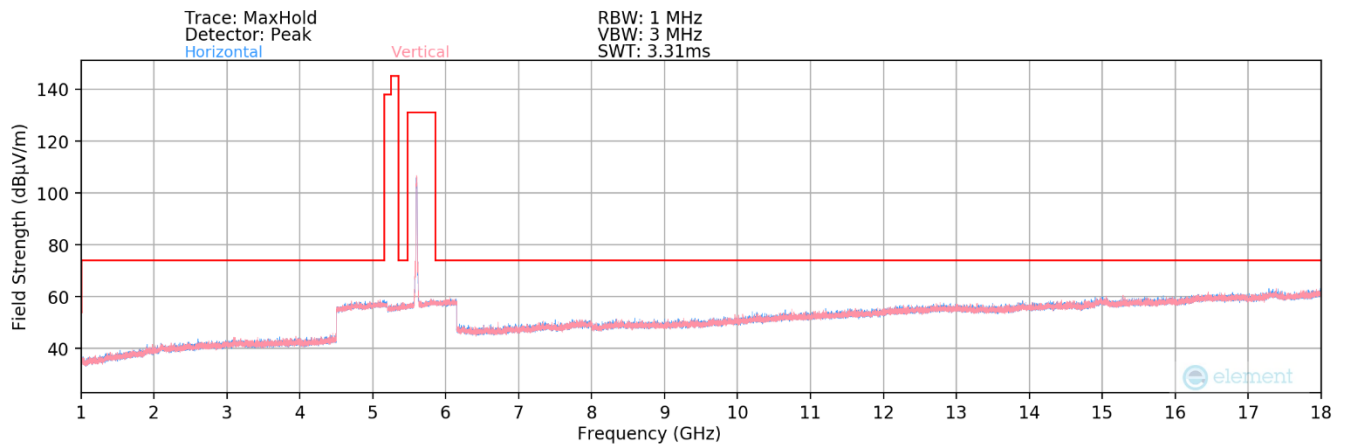
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Plot 7-211. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 1 Ch. 40)



Plot 7-212. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 2A Ch. 56)



Plot 7-213. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 2C Ch. 120)

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