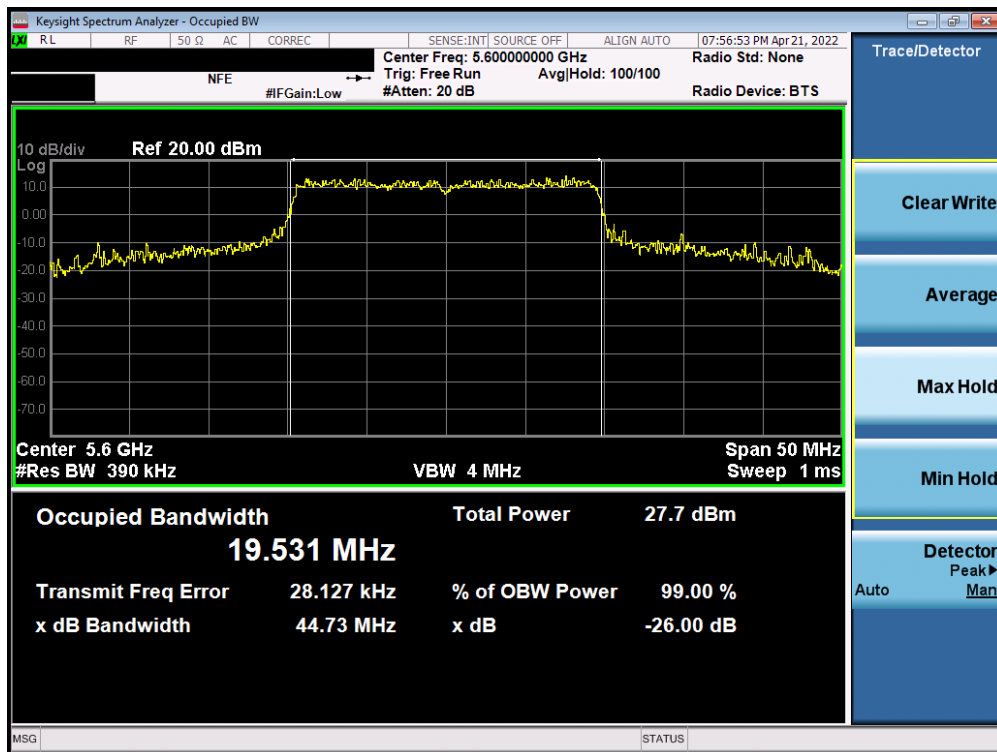
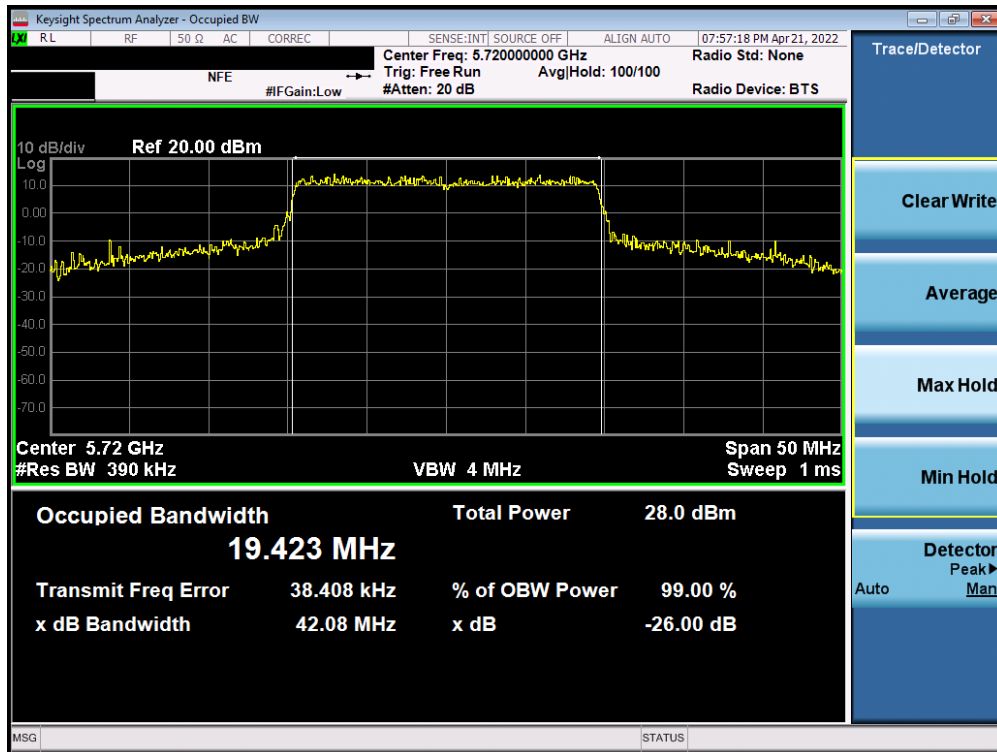


Plot 7-84. 26dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 100)

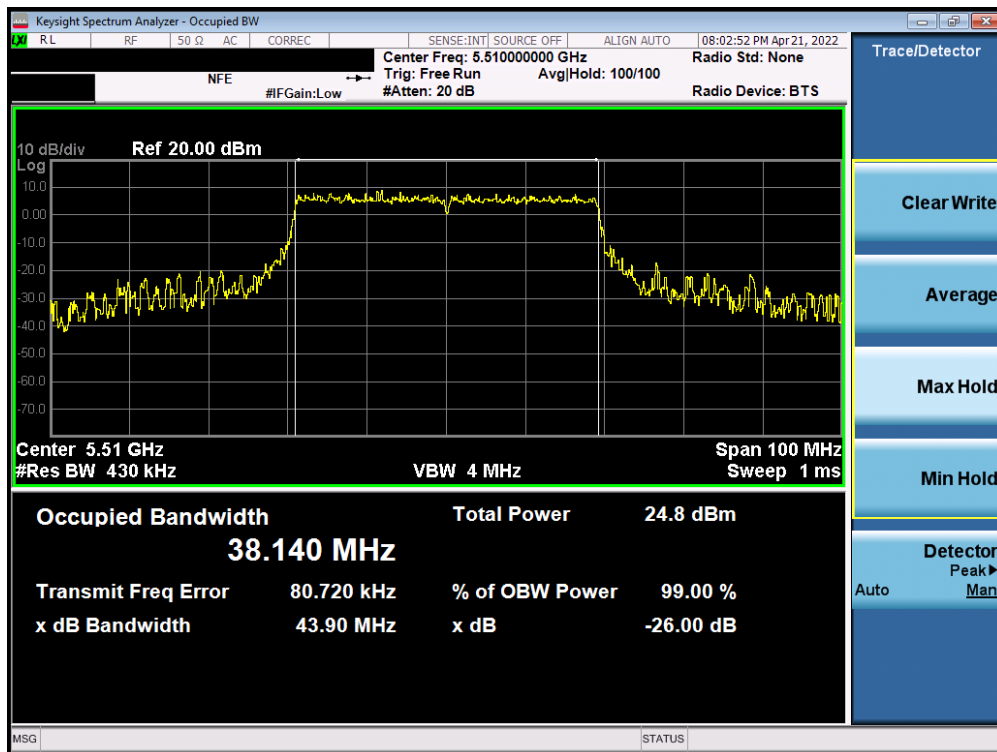


Plot 7-85. 26dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 120)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 64 of 309

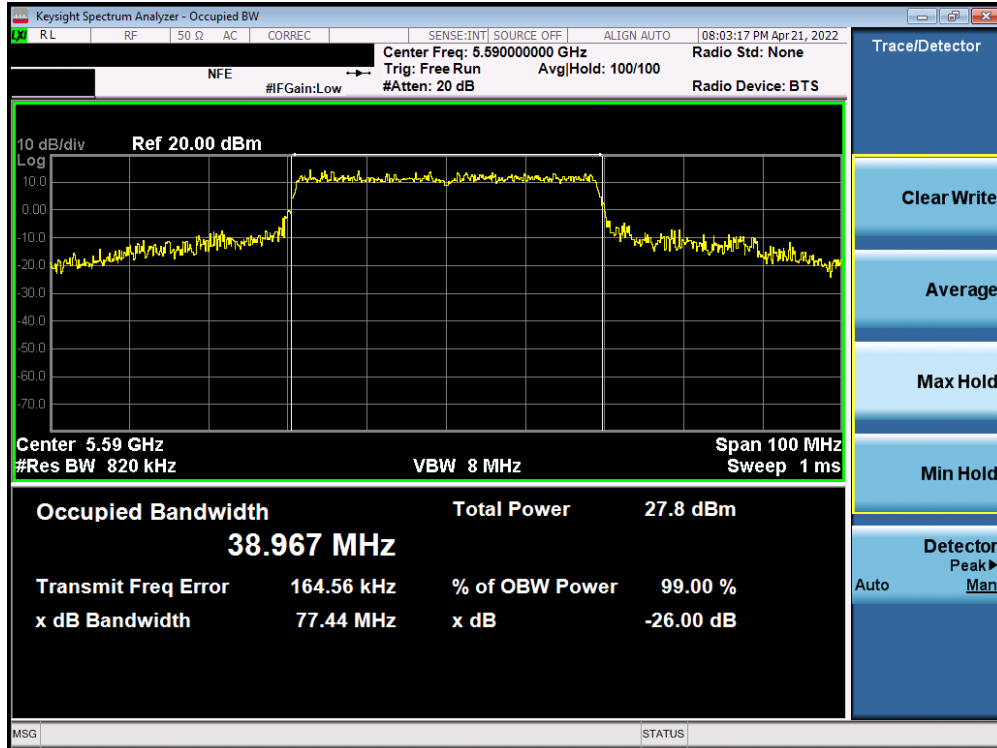


Plot 7-86. 26dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 144)

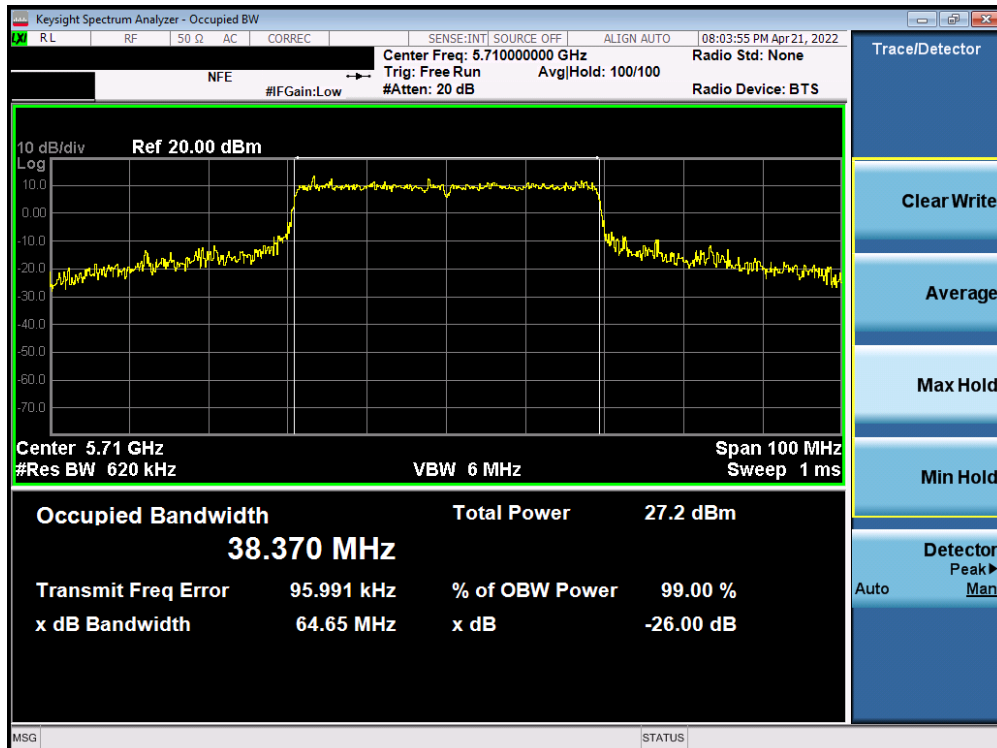


Plot 7-87. 26dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 102)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 65 of 309

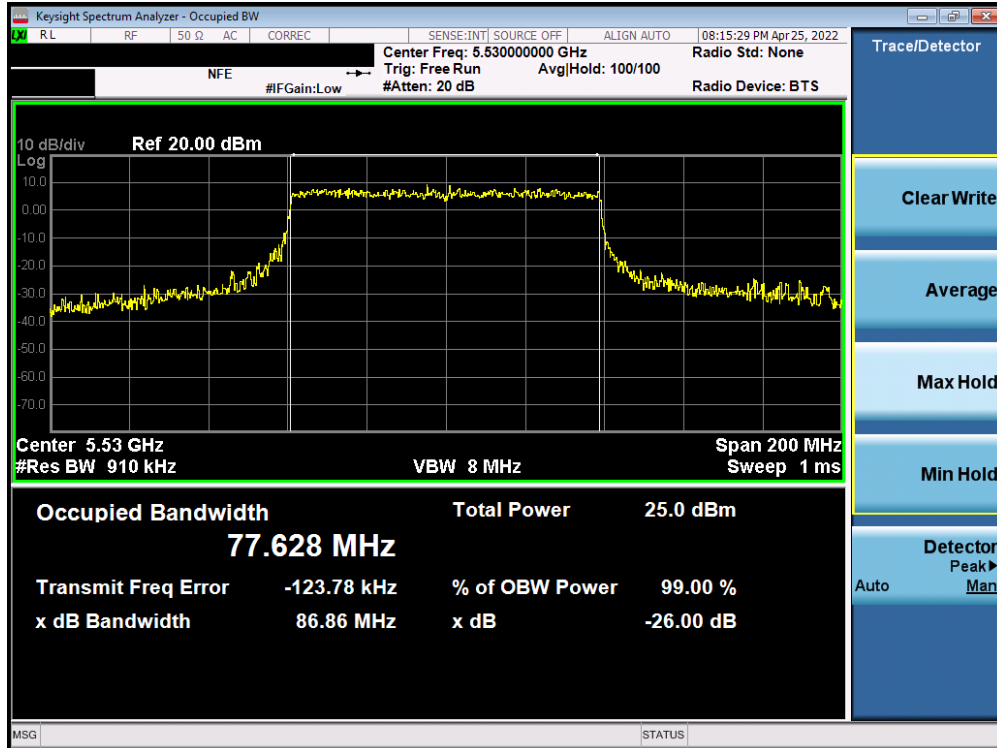


Plot 7-88. 26dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 118)

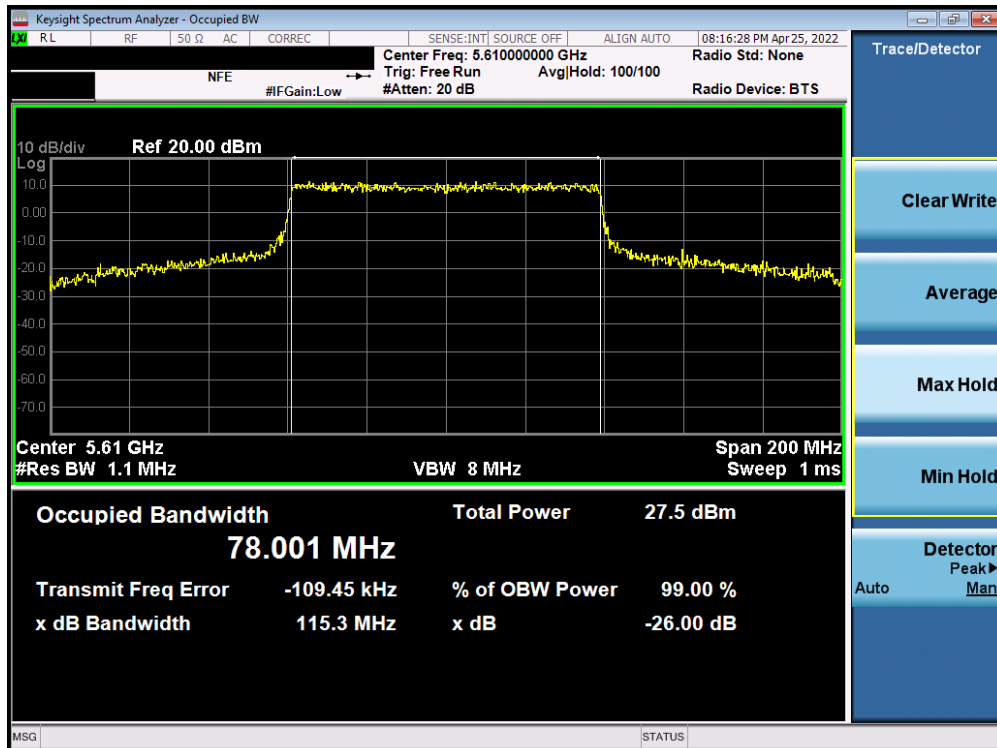


Plot 7-89. 26dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 142)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 66 of 309

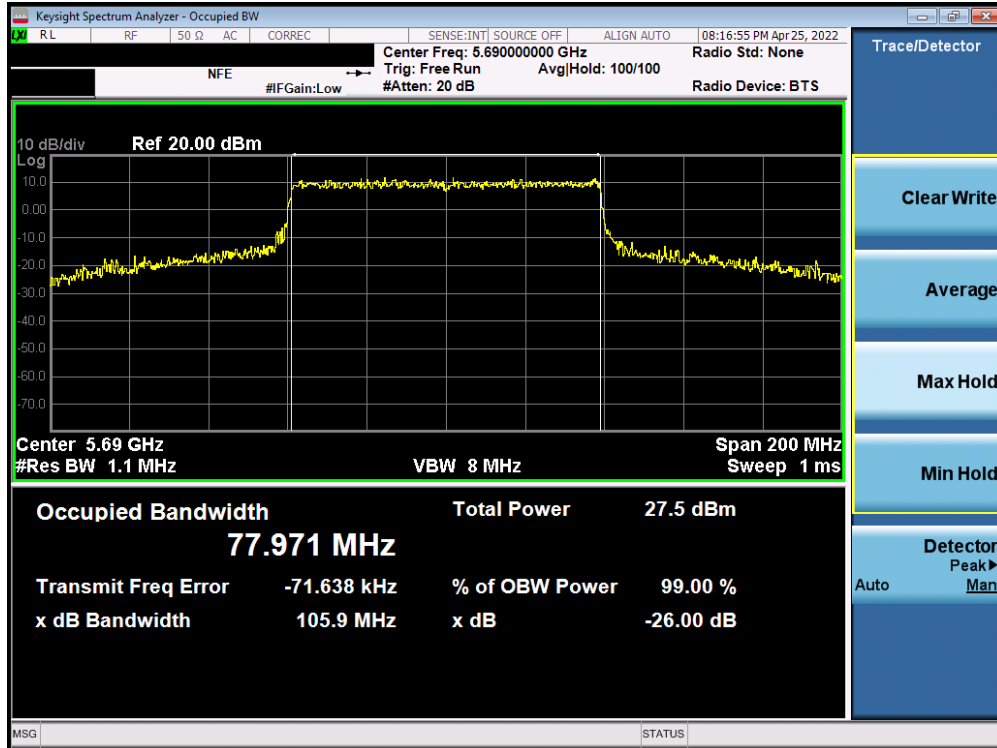


Plot 7-90. 26dB Bandwidth Plot SISO ANT2 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 106)



Plot 7-91. 26dB Bandwidth Plot SISO ANT2 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 122)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 67 of 309



Plot 7-92. 26dB Bandwidth Plot SISO ANT2 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 138)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 68 of 309

7.3 6dB Bandwidth Measurement – 802.11ax OFDMA §15.407 (e); RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer’s bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 6.9.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers’ automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The “X” dB bandwidth parameter was set to $X = 6$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

The 6dB Bandwidth measurement for each channel was measured with the RU index showing the highest conducted power.

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 69 of 309



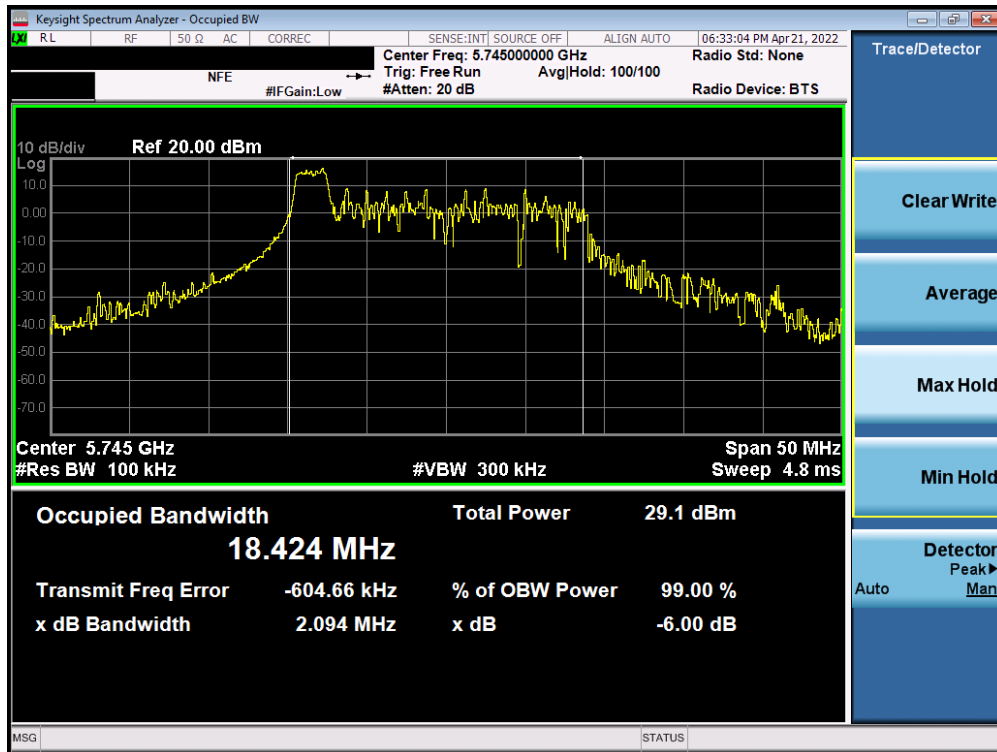
SISO Antenna-1 6 dB Bandwidth Measurements (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	26T	MCS0	2.09
	5785	157	ax (20MHz)	26T	MCS0	2.15
	5825	165	ax (20MHz)	26T	MCS0	2.12
	5755	151	ax (40MHz)	26T	MCS0	2.17
	5795	159	ax (40MHz)	26T	MCS0	2.20
	5775	155	ax (80MHz)	26T	MCS0	2.28

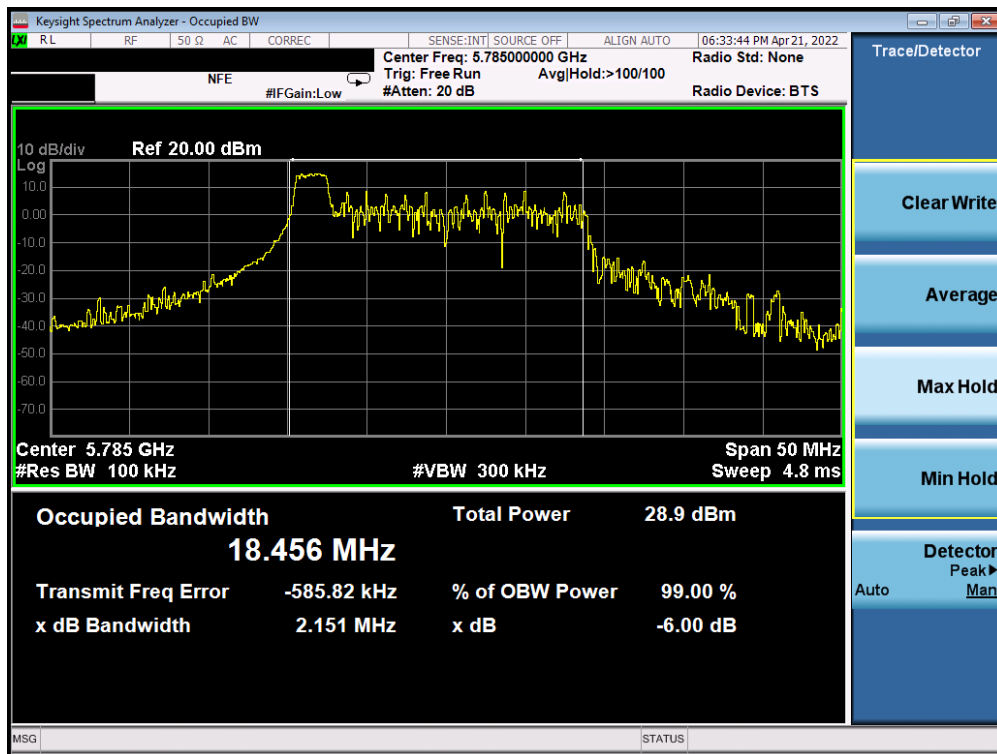
Table 7-6. Conducted Bandwidth Measurements SISO ANT1 (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 70 of 309

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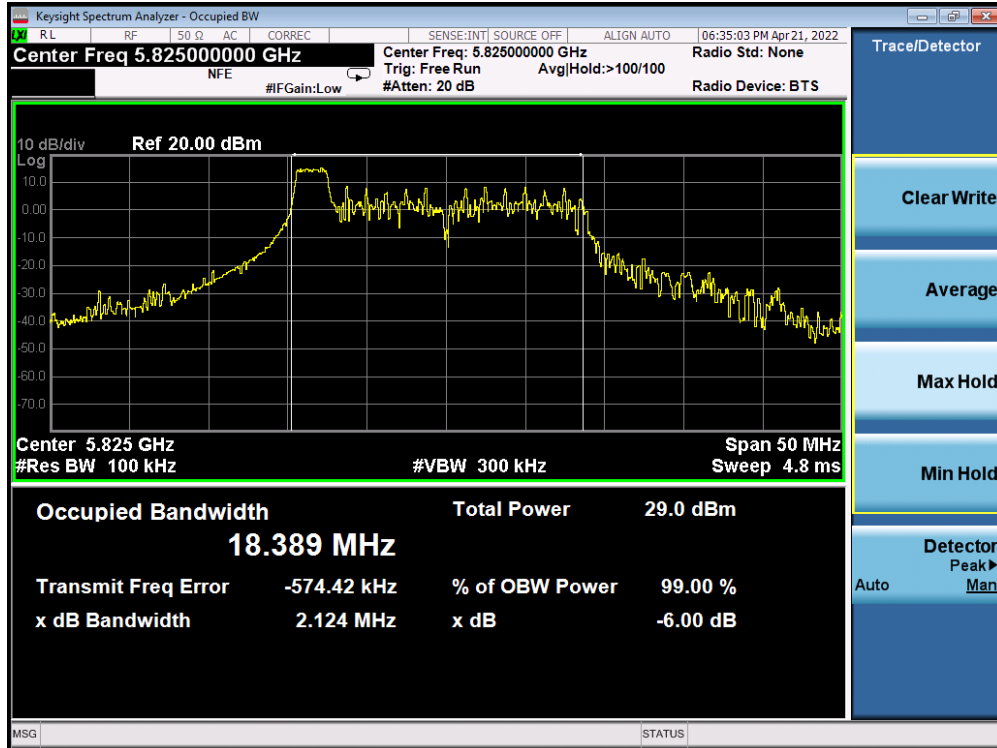


Plot 7-93. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

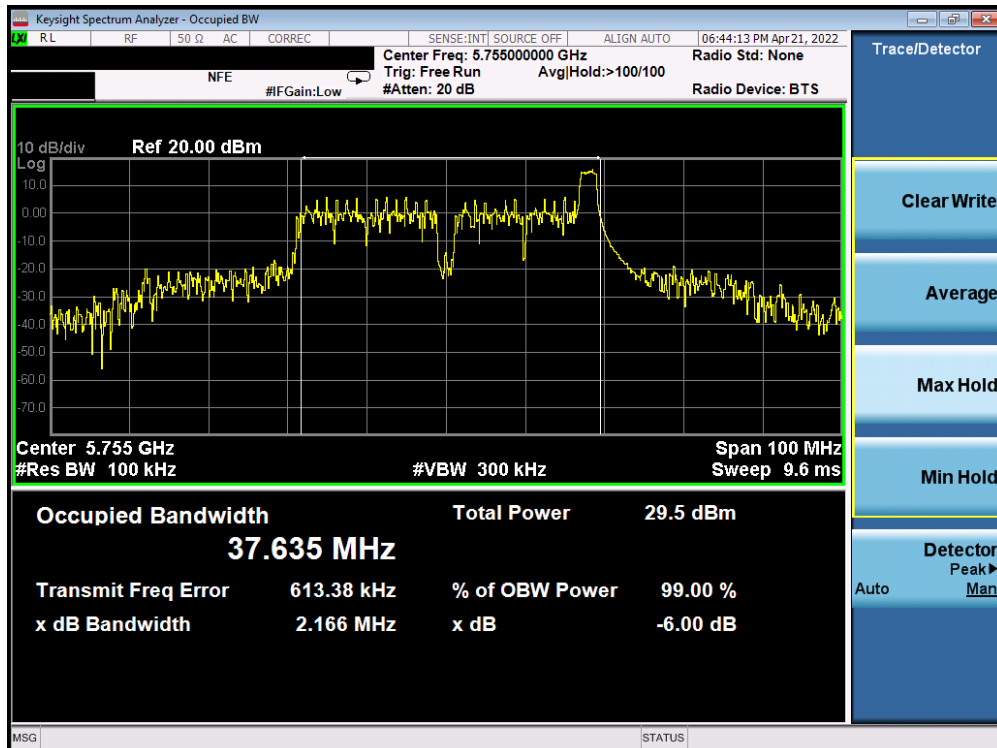


Plot 7-94. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 71 of 309

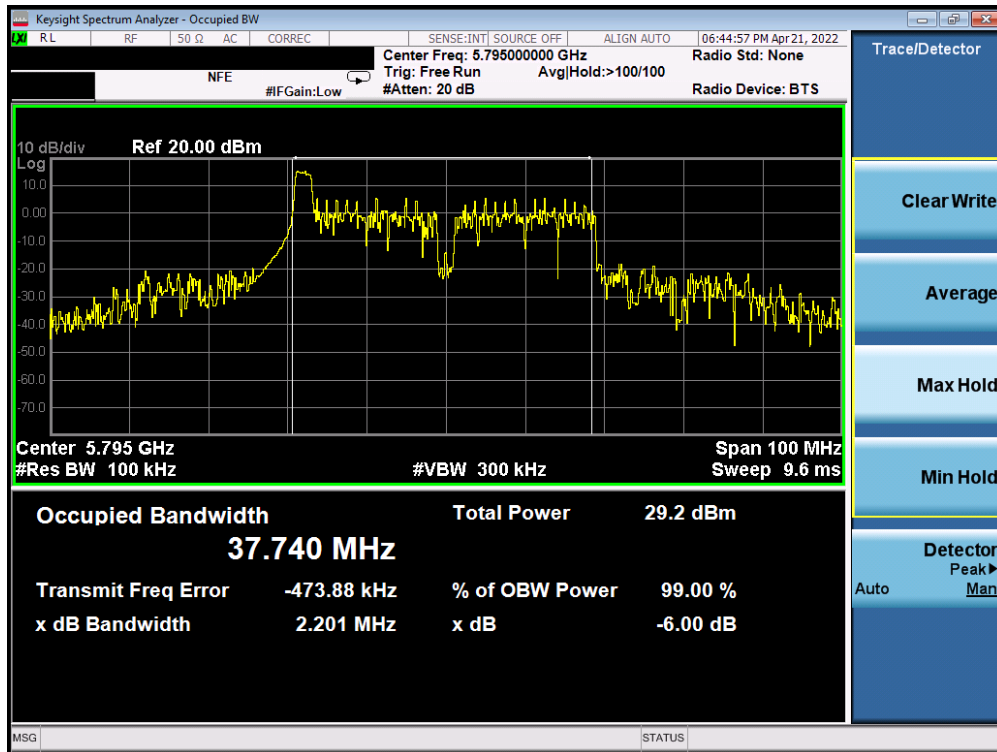


Plot 7-95. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

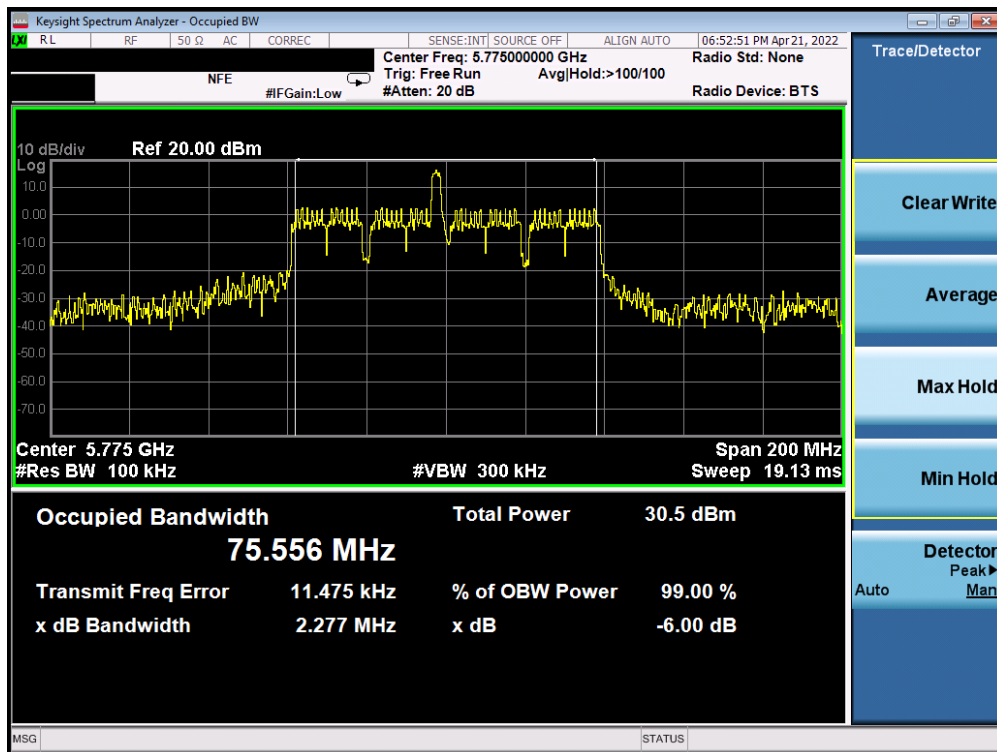


Plot 7-96. 6dB Bandwidth Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 72 of 309



Plot 7-97. 6dB Bandwidth Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)



Plot 7-98. 6dB Bandwidth Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

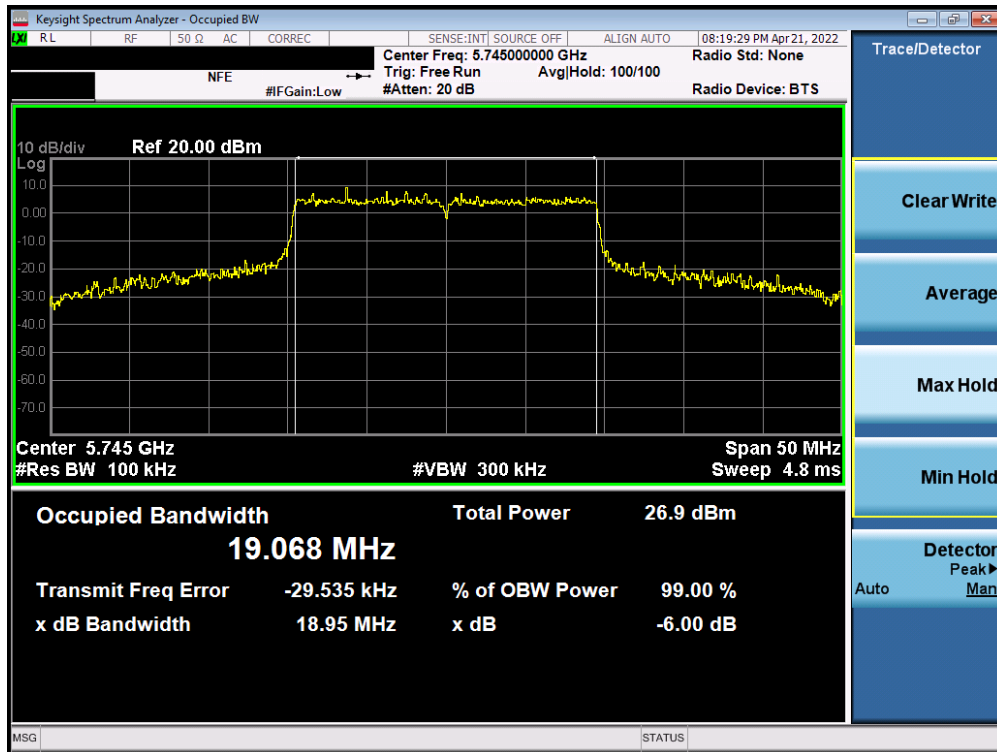
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 73 of 309

SISO Antenna-1 6 dB Bandwidth Measurements (Full Tones)

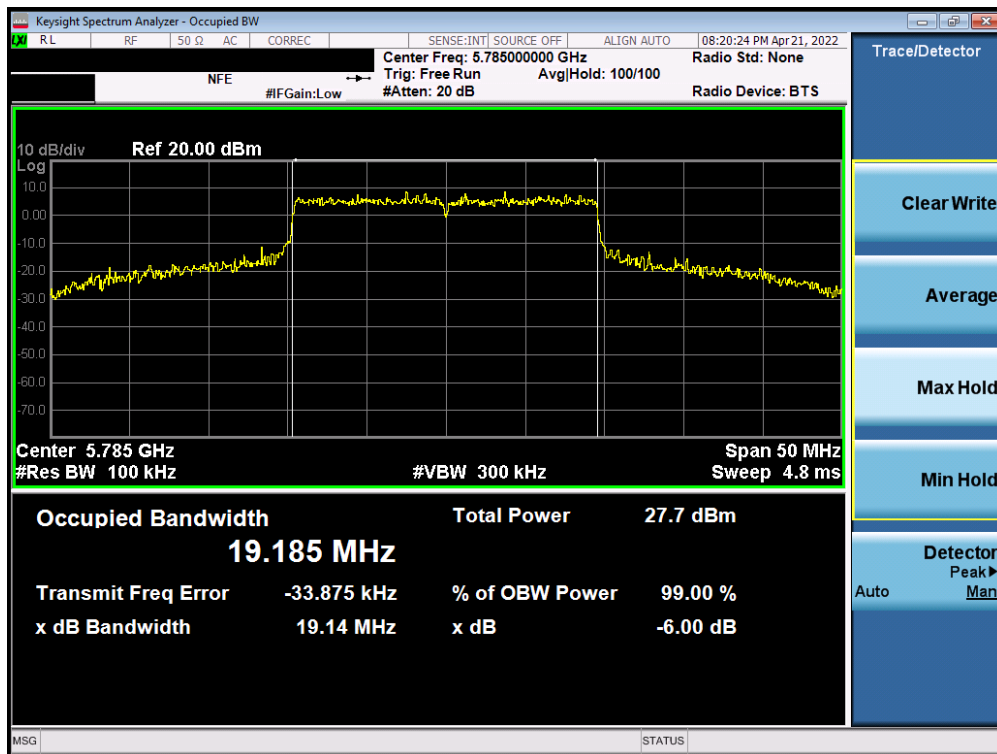
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	242T	MCS0	18.95
	5785	157	ax (20MHz)	242T	MCS0	19.14
	5825	165	ax (20MHz)	242T	MCS0	19.04
	5755	151	ax (40MHz)	484T	MCS0	38.21
	5795	159	ax (40MHz)	484T	MCS0	38.14
	5775	155	ax (80MHz)	996T	MCS0	78.25

Table 7-7. Conducted Bandwidth Measurements SISO ANT1 (Full Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 74 of 309

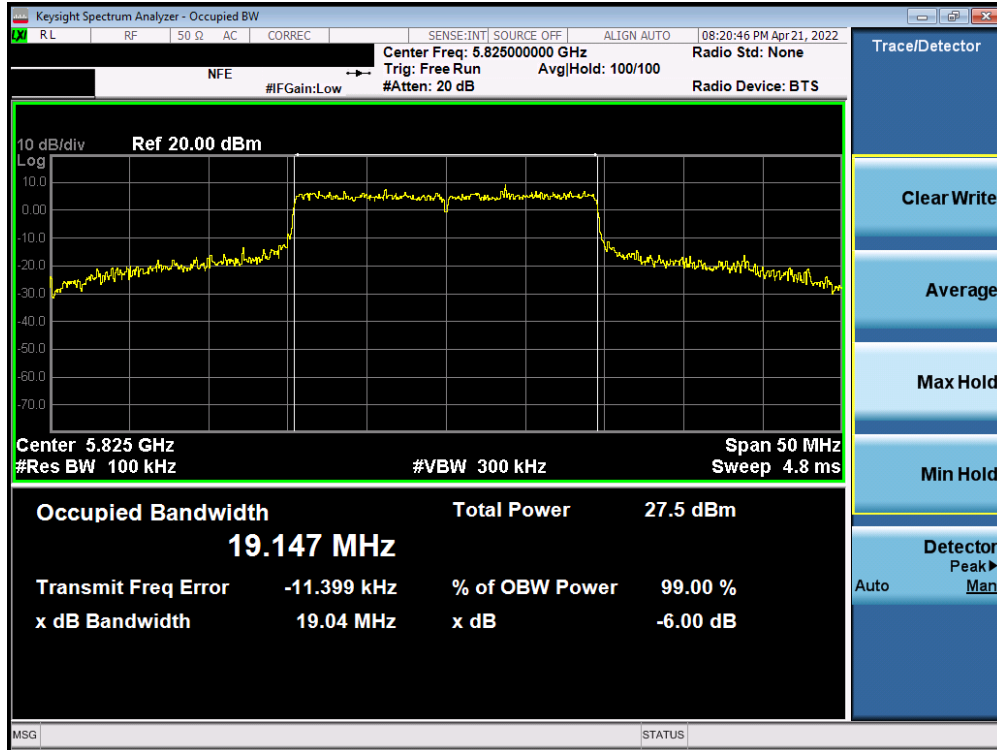


Plot 7-99. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 149)

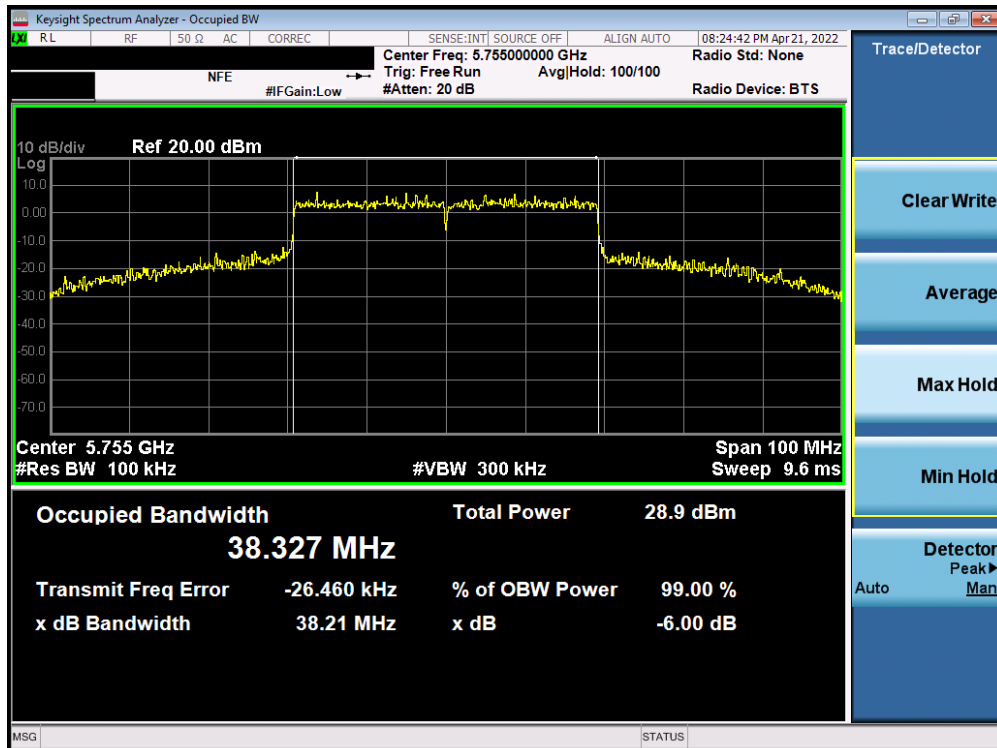


Plot 7-100. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 157)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 75 of 309

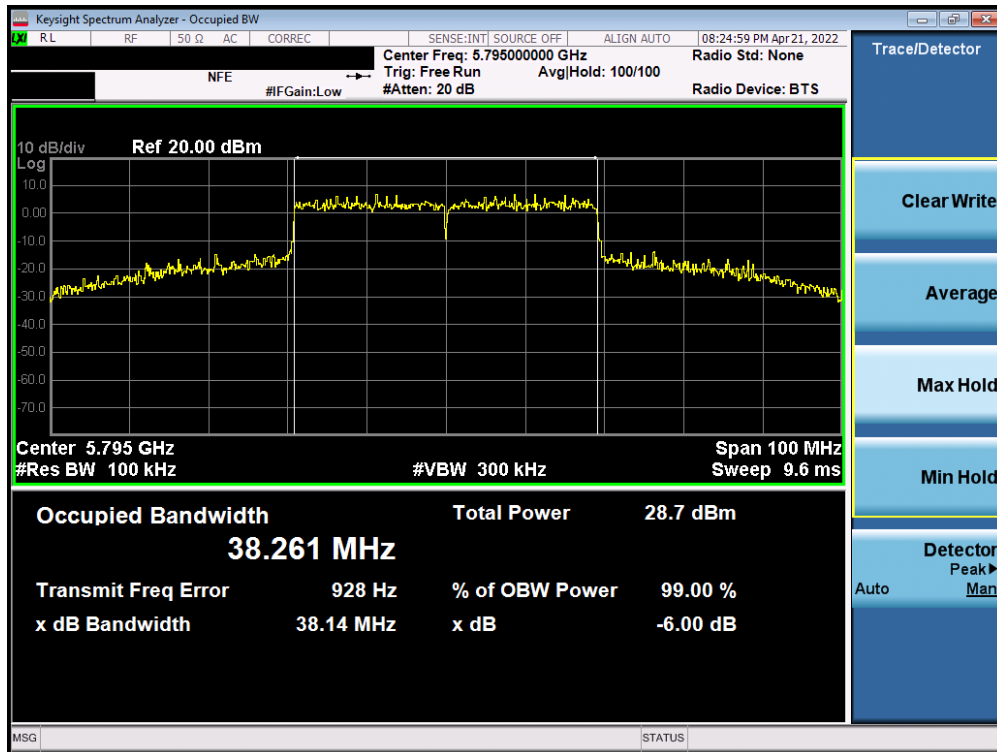


Plot 7-101. 6dB Bandwidth Plot SISO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 165)

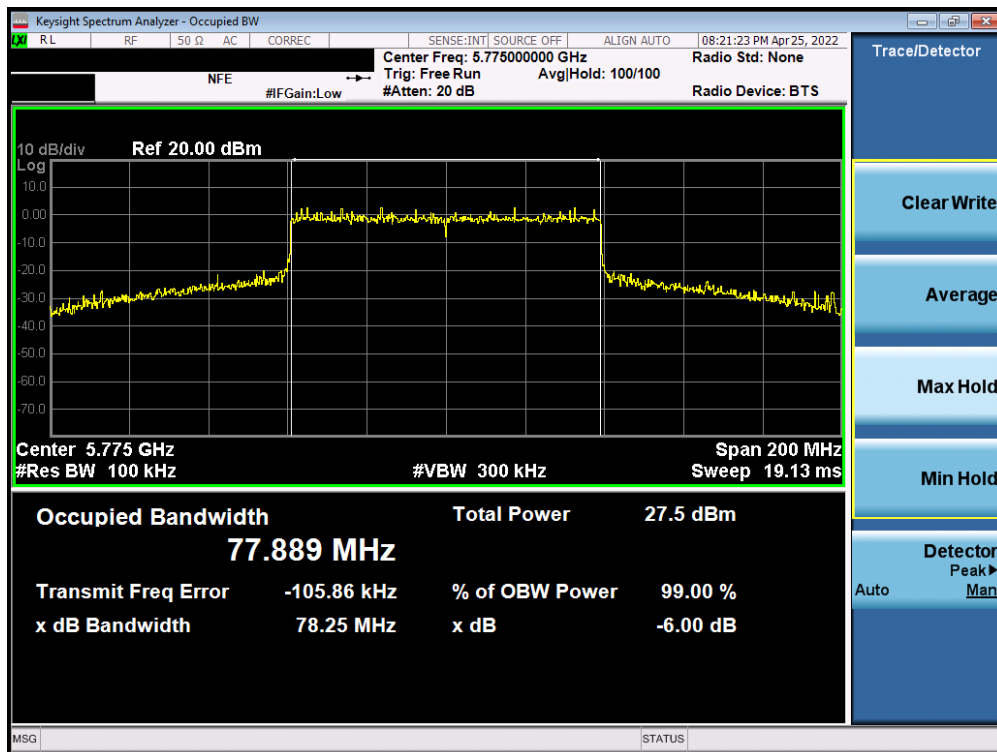


Plot 7-102. 6dB Bandwidth Plot SISO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 76 of 309



Plot 7-103. 6dB Bandwidth Plot SISO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 159)



Plot 7-104. 6dB Bandwidth Plot SISO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 3) – Ch. 155)

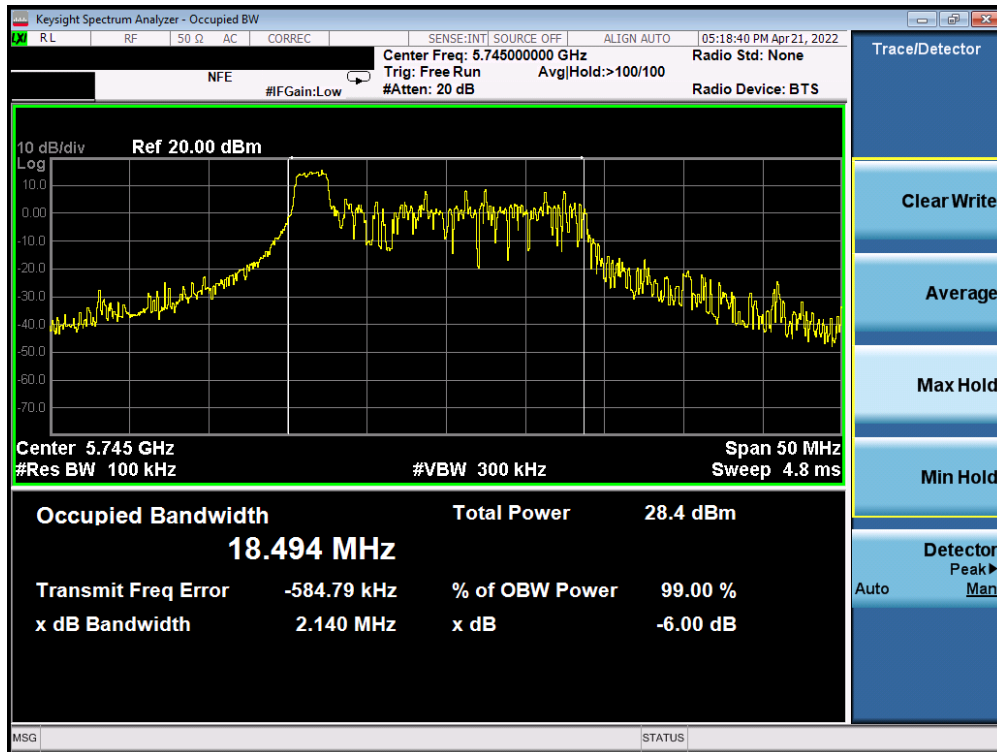
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 77 of 309

SISO Antenna-2 6dB Bandwidth Measurements (26 Tones)

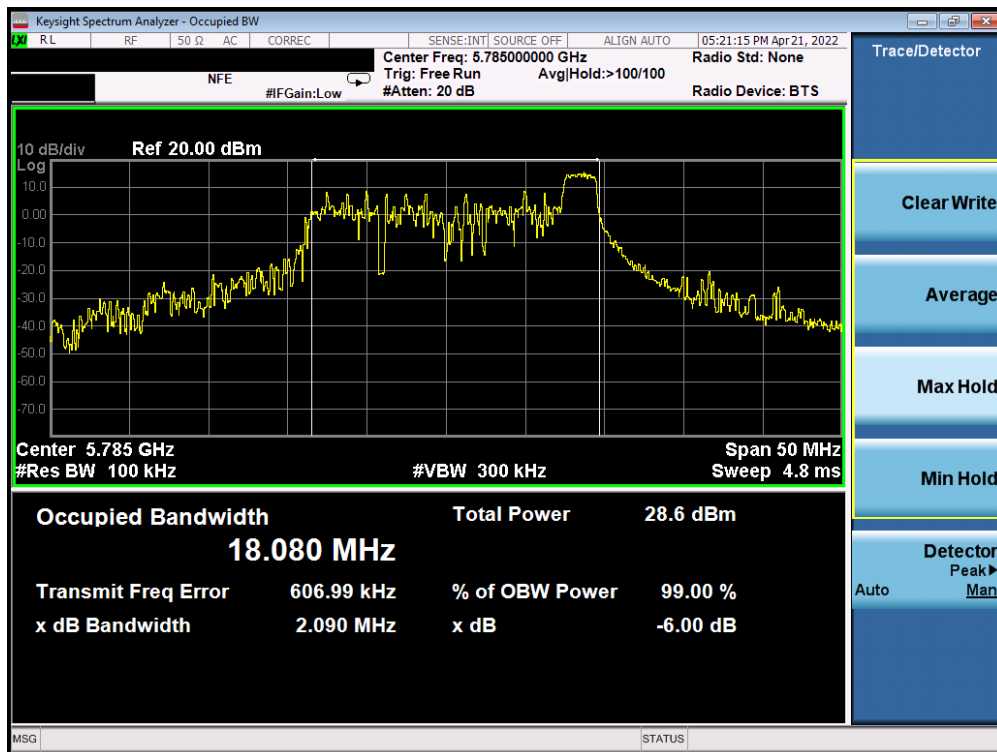
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	26T	MCS0	2.14
	5785	157	ax (20MHz)	26T	MCS0	2.09
	5825	165	ax (20MHz)	26T	MCS0	2.14
	5755	151	ax (40MHz)	26T	MCS0	2.19
	5795	159	ax (40MHz)	26T	MCS0	2.21
	5775	155	ax (80MHz)	26T	MCS0	2.31

Table 7-8. Conducted Bandwidth Measurements SISO ANT2 (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 78 of 309

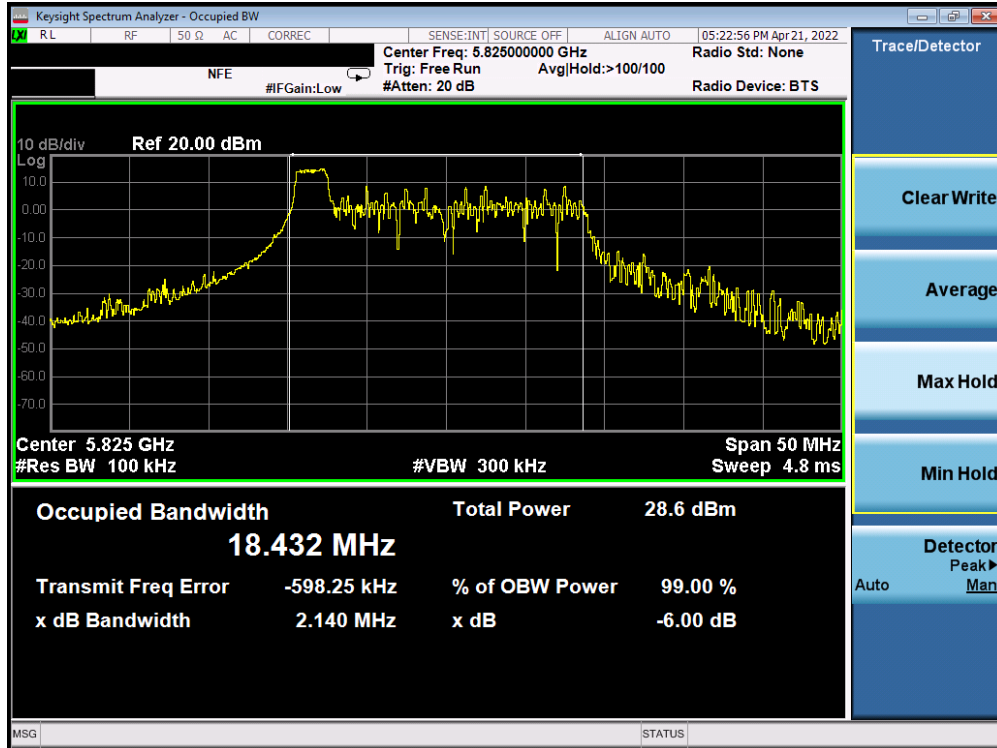


Plot 7-105. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

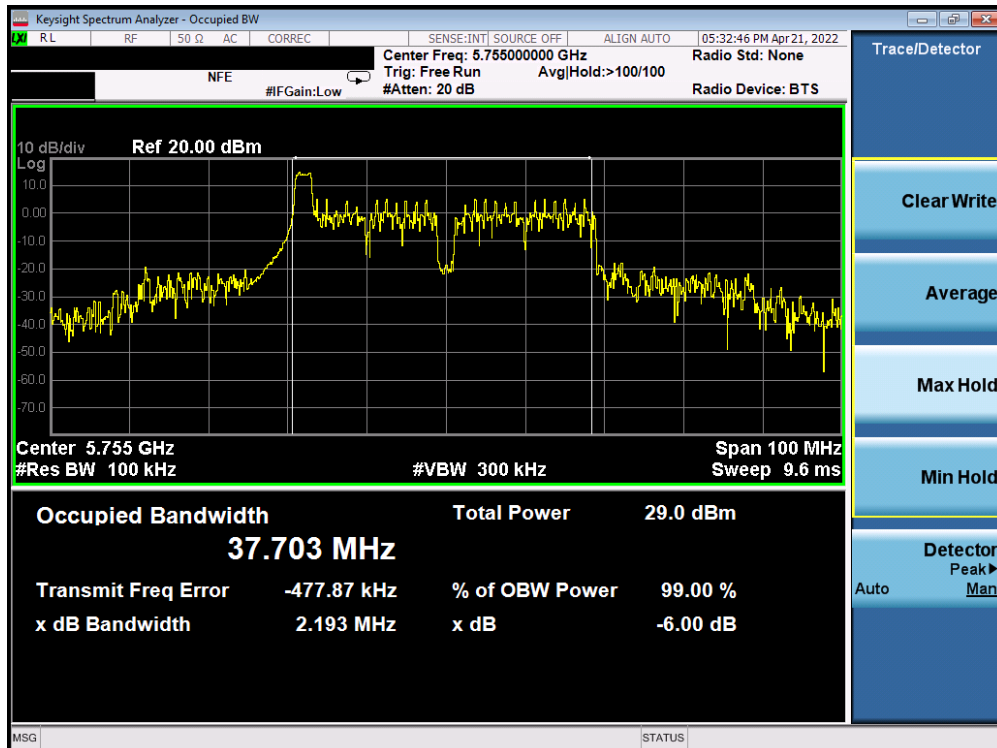


Plot 7-106. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 79 of 309

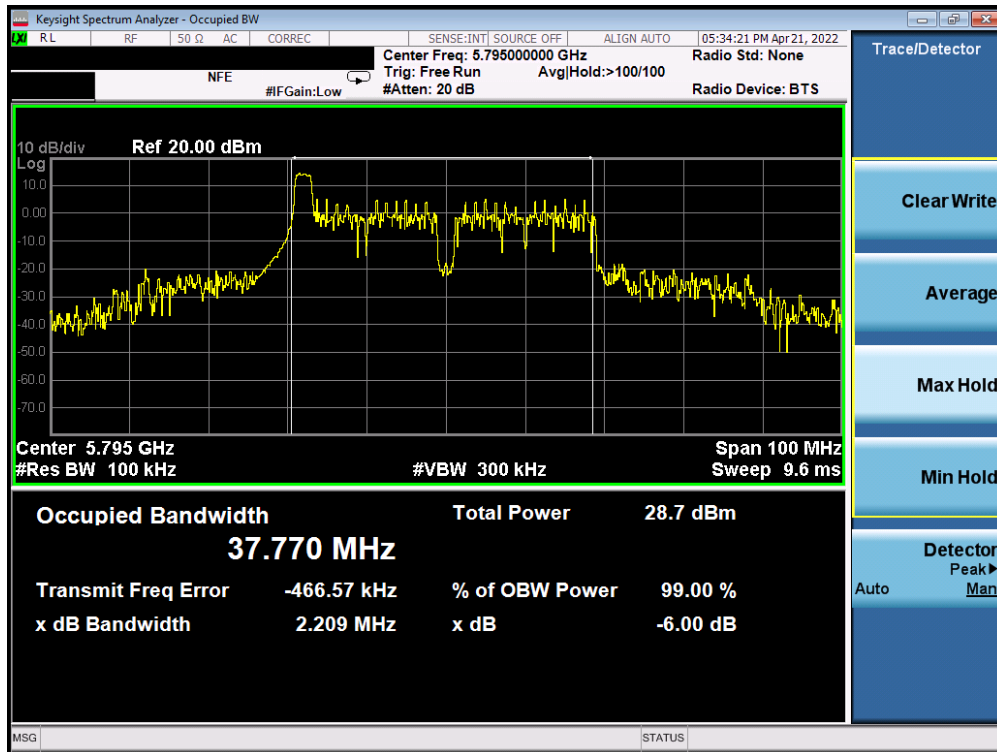


Plot 7-107. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

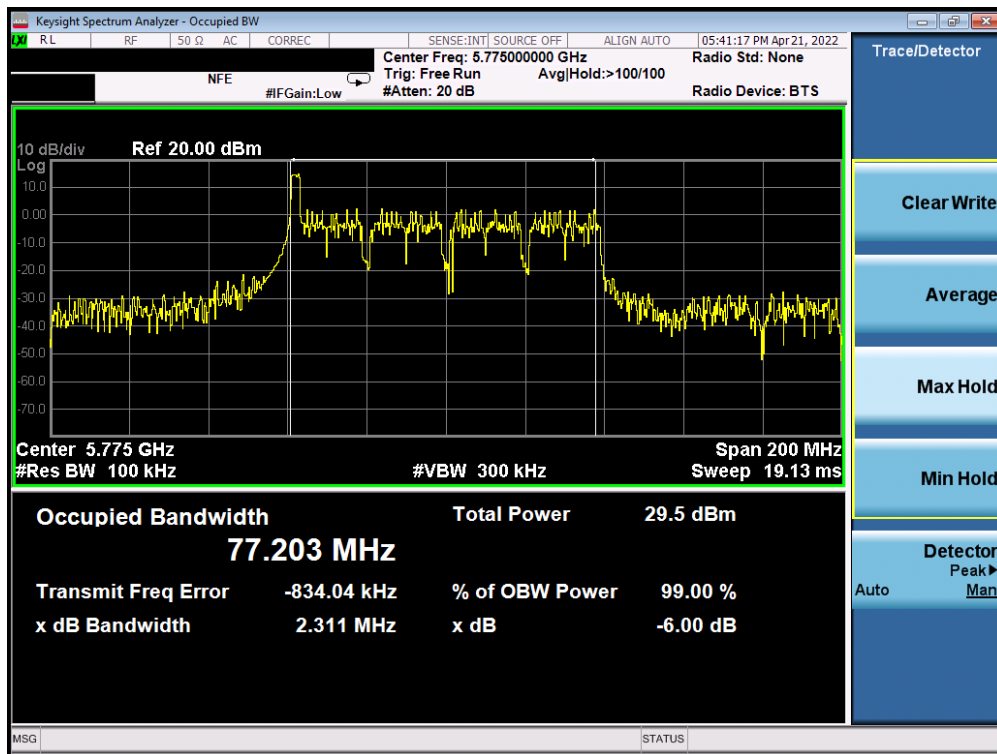


Plot 7-108. 6dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 80 of 309



Plot 7-109. 6dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)



Plot 7-110. 6dB Bandwidth Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

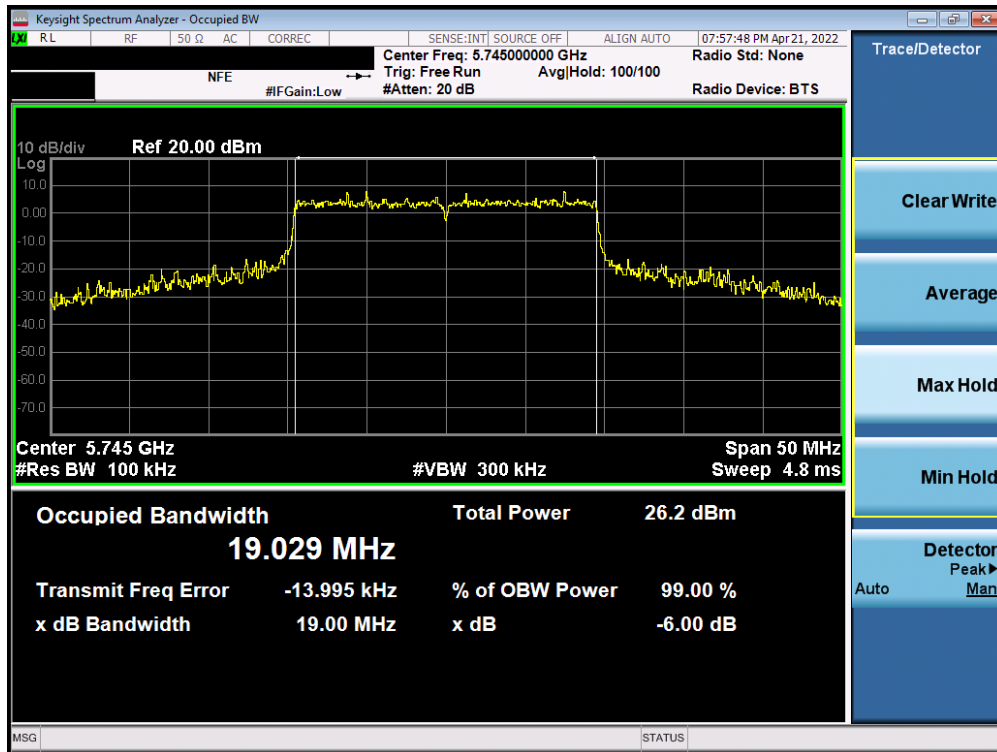
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 81 of 309

SISO Antenna-2 6dB Bandwidth Measurements (Full Tones)

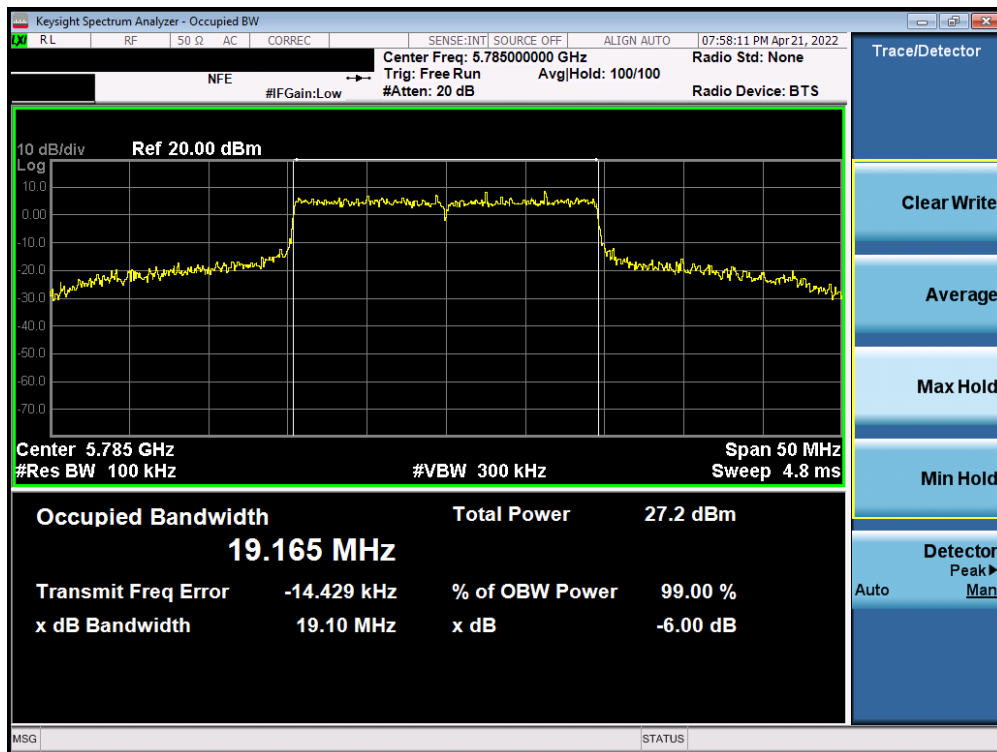
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	242T	MCS0	19.00
	5785	157	ax (20MHz)	242T	MCS0	19.10
	5825	165	ax (20MHz)	242T	MCS0	18.98
	5755	151	ax (40MHz)	484T	MCS0	38.08
	5795	159	ax (40MHz)	484T	MCS0	38.16
	5775	155	ax (80MHz)	996T	MCS0	78.27

Table 7-9. Conducted Bandwidth Measurements SISO ANT2 (Full Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 82 of 309

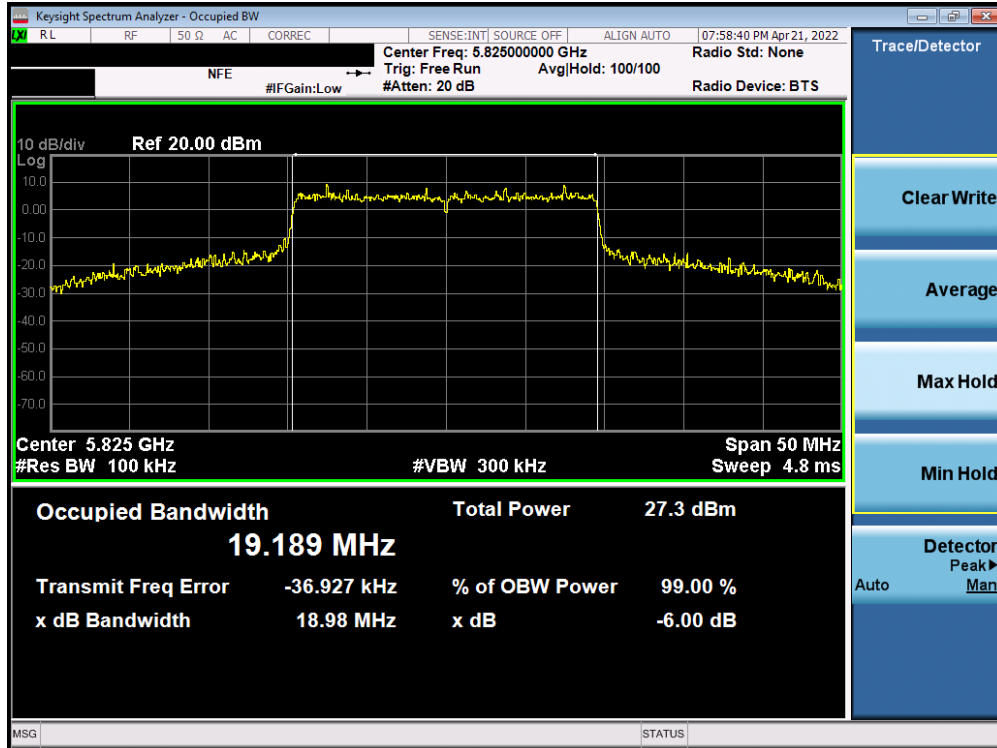


Plot 7-111. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 149)

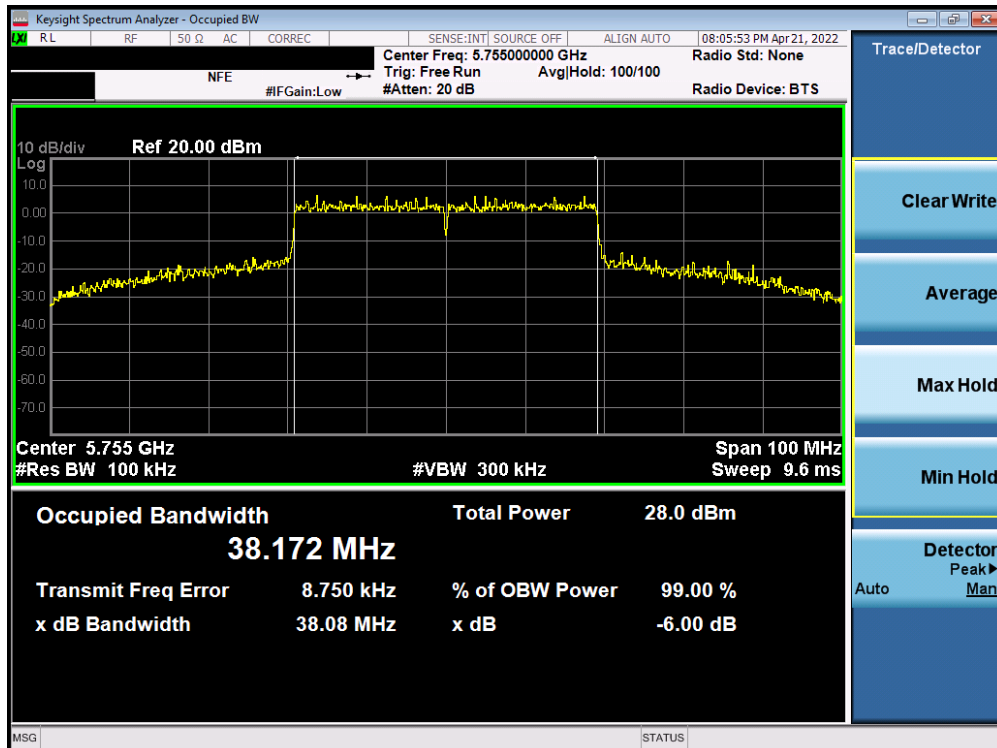


Plot 7-112. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 157)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 83 of 309

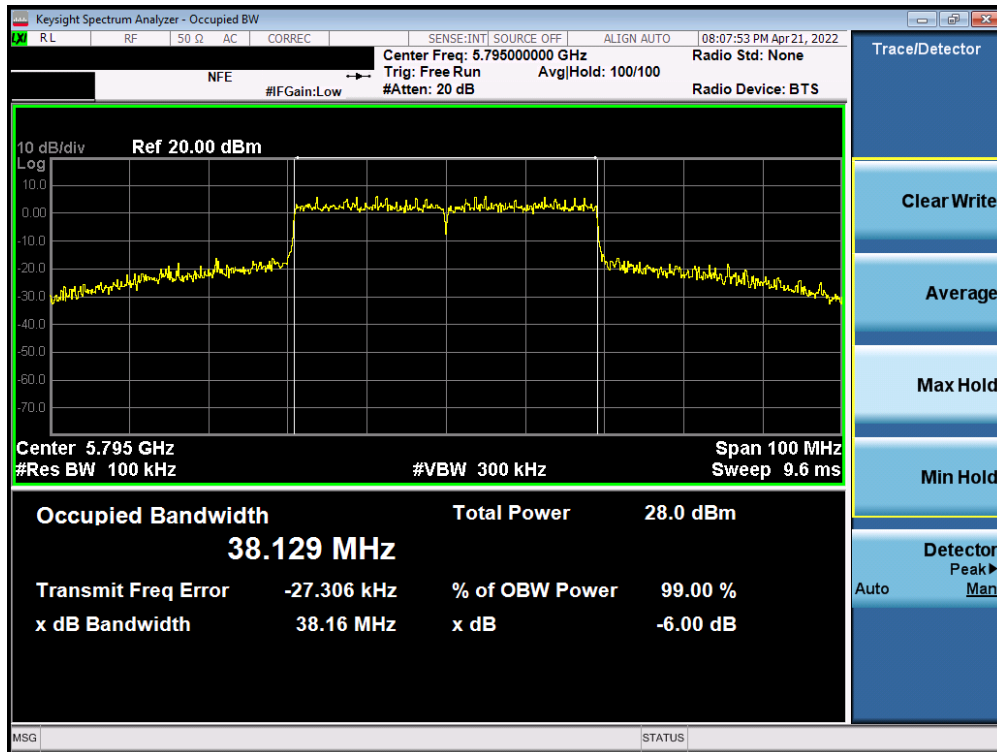


Plot 7-113. 6dB Bandwidth Plot SISO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 165)

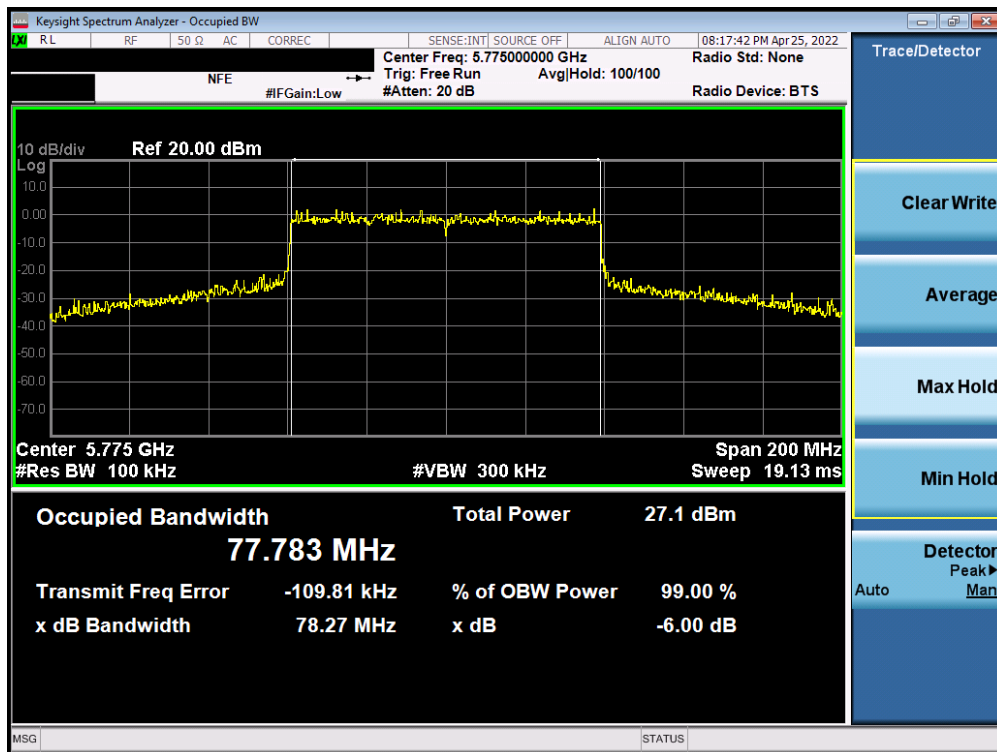


Plot 7-114. 6dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 151)

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 84 of 309	



Plot 7-115. 6dB Bandwidth Plot SISO ANT2 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 159)



Plot 7-116. 6dB Bandwidth Plot SISO ANT2 (80MHz BW 802.11ax – 996 Tones (UNII Band 3) – Ch. 155)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 85 of 309

7.4 UNII Output Power Measurement – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3)

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 KDB 789033 D02 v02r01, and at the appropriate frequencies.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm).

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(33.46) = 26.25\text{dBm}$.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 \text{ dBm} + 10\log_{10}(26\text{dB BW}) = 11 \text{ dBm} + 10\log_{10}(31.71) = 26.01\text{dBm}$.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
 KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
 ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
 KDB 662911 v02r01 – Section E)1) 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

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 86 of 309

SISO Antenna-1 Conducted Output Power Measurements (26 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0	4	8		
	5180	36	AVG	26T	11.18	11.36	11.25	23.98	-12.62
5200	40	AVG	26T	11.10	11.27	11.16	23.98	-12.71	
5240	48	AVG	26T	11.17	11.30	11.20	23.98	-12.68	
5260	52	AVG	26T	11.48	11.08	11.49	23.47	-11.98	
5280	56	AVG	26T	11.42	11.05	11.44	23.47	-12.03	
5320	64	AVG	26T	11.21	11.22	11.15	23.47	-12.25	
5500	100	AVG	26T	10.42	10.45	10.39	22.80	-12.35	
5600	120	AVG	26T	10.92	11.05	10.83	22.80	-11.75	
5720	144	AVG	26T	10.29	10.44	10.62	22.80	-12.18	
5745	149	AVG	26T	19.98	19.60	19.95	30.00	-10.02	
5785	157	AVG	26T	19.84	19.50	19.83	30.00	-10.16	
5825	165	AVG	26T	19.93	19.46	19.87	30.00	-10.07	

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

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0	8	17		
	5190	38	AVG	26T	10.97	10.84	11.07	23.98	-12.91
5230	46	AVG	26T	11.07	10.84	11.06	23.98	-12.91	
5270	54	AVG	26T	11.04	11.42	11.01	23.47	-12.05	
5310	62	AVG	26T	11.14	11.04	11.11	23.47	-12.33	
5510	102	AVG	26T	10.98	11.11	11.10	22.80	-11.69	
5590	118	AVG	26T	11.30	10.93	11.09	22.80	-11.50	
5710	142	AVG	26T	11.44	11.06	10.99	22.80	-11.36	
5755	151	AVG	26T	19.62	19.84	19.86	30.00	-10.14	
5795	159	AVG	26T	19.96	19.75	19.93	30.00	-10.04	

Table 7-11. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]
				0	18	36				
	5210	42	AVG	26T	11.09	11.13	11.37	23.98	-12.61	0.60
5290	58	AVG	26T	11.42	11.31	11.35	23.47	-12.05	0.50	
5530	106	AVG	26T	10.78	11.40	11.18	22.80	-11.40	3.30	
5610	122	AVG	26T	11.22	11.34	11.04	22.80	-11.46	3.30	
5690	138	AVG	26T	11.03	11.33	11.05	22.80	-11.47	3.30	
5775	155	AVG	26T	19.73	19.94	19.44	30.00	-10.06	3.60	

Table 7-12. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					0	18	36		
1	5250	50	26T	11.01	11.12	11.27	23.98	-12.71	
2C	5570	114	26T	11.18	11.16	11.21	22.80	-11.59	

Table 7-13. SISO ANT1 160MHz (L) BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					0	18	36		
1	5250	50	26T	9.86	9.98	9.58	23.98	-14.00	
2C	5570	114	26T	10.95	11.26	11.08	22.80	-11.54	

Table 7-14. SISO ANT1 160MHz (U) BW (UNII) Maximum Conducted Output Power (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	39	40		
	5180	36	AVG	52T	12.94	12.69	12.90	23.98	-11.04
5200	40	AVG	52T	12.85	12.64	12.91	23.98	-11.07	
5240	48	AVG	52T	12.84	12.65	12.78	23.98	-11.14	
5260	52	AVG	52T	12.90	12.75	12.92	23.47	-10.55	
5280	56	AVG	52T	12.86	12.56	12.88	23.47	-10.59	
5320	64	AVG	52T	12.82	12.60	12.79	23.47	-10.65	
5500	100	AVG	52T	12.99	12.66	12.81	22.80	-9.81	
5600	120	AVG	52T	12.92	12.60	12.83	22.80	-9.88	
5720	144	AVG	52T	12.88	12.68	12.90	22.80	-9.90	
5745	149	AVG	52T	19.89	19.58	19.78	30.00	-10.11	
5785	157	AVG	52T	19.70	19.53	19.74	30.00	-10.26	
5825	165	AVG	52T	19.83	19.62	19.59	30.00	-10.17	

Table 7-15. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	40	44		
	5190	38	AVG	52T	12.85	12.64	12.92	23.98	-11.06
5230	46	AVG	52T	12.96	12.74	12.76	23.98	-11.02	
5270	54	AVG	52T	12.87	12.66	12.83	23.47	-10.60	
5310	62	AVG	52T	12.86	12.85	12.96	23.47	-10.51	
5510	102	AVG	52T	12.72	12.92	12.77	22.80	-9.88	
5590	118	AVG	52T	12.75	12.95	12.87	22.80	-9.85	
5710	142	AVG	52T	12.90	12.67	12.74	22.80	-9.90	
5755	151	AVG	52T	19.62	19.89	19.99	30.00	-10.01	
5795	159	AVG	52T	19.94	19.81	19.91	30.00	-10.06	

Table 7-16. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	44	52		
					5210	42	AVG		
5290	58	AVG	52T	12.50	12.45	12.54	23.47	-10.93	
5530	106	AVG	52T	12.71	12.72	12.69	22.80	-10.08	
5610	122	AVG	52T	12.77	12.93	12.92	22.80	-9.87	
5690	138	AVG	52T	12.97	12.76	12.72	22.80	-9.83	
5775	155	AVG	52T	19.69	19.93	19.95	30.00	-10.05	

Table 7-17. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					37	44	52		
1	5250	50	52T	12.46	12.88	12.42	23.98	-11.10	
2C	5570	114	52T	12.71	12.91	12.73	22.80	-9.89	

Table 7-18. SISO ANT1 160MHz (L) BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					37	44	52		
1	5250	50	52T	12.57	12.65	12.80	23.98	-11.18	
2C	5570	114	52T	12.53	12.92	12.52	22.80	-9.88	

Table 7-19. SISO ANT1 160MHz (U) BW (UNII) Maximum Conducted Output Power (52 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53	54		
	5180	36	AVG	106T	16.59	16.54	23.98	-7.39
	5200	40	AVG	106T	16.52	16.54	23.98	-7.44
	5240	48	AVG	106T	16.42	16.44	23.98	-7.54
	5260	52	AVG	106T	15.74	15.76	23.47	-7.71
	5280	56	AVG	106T	15.72	15.73	23.47	-7.74
	5320	64	AVG	106T	15.96	15.97	23.47	-7.50
	5500	100	AVG	106T	15.96	15.89	22.80	-6.84
	5600	120	AVG	106T	15.68	15.53	22.80	-7.12
5720	144	AVG	106T	15.71	15.64	22.80	-7.09	
5745	149	AVG	106T	19.64	19.80	30.00	-10.20	
5785	157	AVG	106T	19.89	19.72	30.00	-10.11	
5825	165	AVG	106T	19.74	19.90	30.00	-10.10	

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

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53	54	56		
	5190	38	AVG	106T	16.74	16.51	16.78	23.98	-7.20
	5230	46	AVG	106T	16.81	16.70	16.73	23.98	-7.17
	5270	54	AVG	106T	15.84	15.60	15.79	23.47	-7.63
	5310	62	AVG	106T	15.91	15.92	15.96	23.47	-7.51
	5510	102	AVG	106T	15.57	15.97	15.87	22.80	-6.83
	5590	118	AVG	106T	15.93	15.78	15.63	22.80	-6.87
	5710	142	AVG	106T	15.94	15.67	15.72	22.80	-6.86
	5755	151	AVG	106T	19.68	19.98	19.97	30.00	-10.02
5795	159	AVG	106T	19.99	19.89	19.98	30.00	-10.01	

Table 7-21. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				53	56	60			
	5210	42	AVG	106T	16.59	16.61	16.68	23.98	-7.30
5290	58	AVG	106T	15.68	15.69	15.82	23.47	-7.65	
5530	106	AVG	106T	15.51	15.79	15.77	22.80	-7.01	
5610	122	AVG	106T	15.96	15.50	15.60	22.80	-6.84	
5690	138	AVG	106T	15.83	15.90	15.74	22.80	-6.90	
5775	155	AVG	106T	19.75	19.91	19.97	30.00	-10.03	

Table 7-22. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					53	56	60		
1	5250	50	106T	16.80	16.85	16.90	23.98	-7.08	
2C	5570	114	106T	15.71	15.77	15.56	22.80	-7.03	

Table 7-23. SISO ANT1 160MHz (L) BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					53	56	60		
1	5250	50	106T	15.69	15.93	15.87	23.98	-8.05	
2C	5570	114	106T	15.49	15.97	15.56	22.80	-6.83	

Table 7-24. SISO ANT1 160MHz (U) BW (UNII) Maximum Conducted Output Power (106 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Conducted Output Power Measurements (242 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61		
	5180	36	AVG	242T	17.78	23.98	-6.20
	5200	40	AVG	242T	17.78	23.98	-6.20
	5240	48	AVG	242T	17.33	23.98	-6.65
	5260	52	AVG	242T	20.15	23.47	-3.32
	5280	56	AVG	242T	20.22	23.47	-3.25
	5320	64	AVG	242T	19.48	23.47	-3.99
	5500	100	AVG	242T	17.62	22.80	-5.18
	5600	120	AVG	242T	19.75	22.80	-3.05
	5720	144	AVG	242T	19.59	22.80	-3.21
	5745	149	AVG	242T	19.98	30.00	-10.02
5785	157	AVG	242T	20.60	30.00	-9.40	
5825	165	AVG	242T	20.58	30.00	-9.42	

Table 7-25. SISO ANT1 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61	62		
	5190	38	AVG	242T	17.11	17.17	23.98	-6.81
	5230	46	AVG	242T	17.23	17.41	23.98	-6.57
	5270	54	AVG	242T	20.30	20.30	23.47	-3.17
	5310	62	AVG	242T	20.46	19.45	23.47	-3.01
	5510	102	AVG	242T	16.44	19.87	22.80	-2.93
	5590	118	AVG	242T	19.84	19.67	22.80	-2.96
	5710	142	AVG	242T	16.80	19.51	22.80	-3.29
	5755	151	AVG	242T	19.96	20.87	30.00	-9.13
5795	159	AVG	242T	20.98	20.86	30.00	-9.02	

Table 7-26. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				61	62	64			
	5210	42	AVG	242T	17.37	17.31	17.57	23.98	-6.41
5290	58	AVG	242T	20.17	20.18	19.32	23.47	-3.29	
5530	106	AVG	242T	17.78	19.42	19.70	22.80	-3.10	
5610	122	AVG	242T	19.53	19.50	19.81	22.80	-2.99	
5690	138	AVG	242T	19.43	19.82	19.65	22.80	-2.98	
5775	155	AVG	242T	19.74	20.95	20.94	30.00	-9.05	

Table 7-27. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					61	62	64		
1	5250	50	242T	17.07	17.27	17.41	23.98	-6.57	
2C	5570	114	242T	19.86	19.79	19.75	22.80	-2.94	

Table 7-28. SISO ANT1 160MHz (L) BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					61	62	64		
1	5250	50	242T	20.34	20.44	20.43	23.98	-3.54	
2C	5570	114	242T	19.60	19.98	19.54	22.80	-2.82	

Table 7-29. SISO ANT1 160MHz (U) BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
						65		
	5190	38	AVG	484T	16.34	23.98	-7.64	
	5230	46	AVG	484T	16.72	23.98	-7.26	
	5270	54	AVG	484T	19.65	23.47	-3.82	
	5310	62	AVG	484T	15.43	23.47	-8.04	
	5510	102	AVG	484T	16.45	22.80	-6.35	
	5590	118	AVG	484T	19.69	22.80	-3.11	
	5710	142	AVG	484T	19.71	22.80	-3.09	
	5755	151	AVG	484T	20.99	30.00	-9.01	
5795	159	AVG	484T	18.75	30.00	-11.25		

Table 7-30. SISO ANT1 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]
					65	66			
	5210	42	AVG	484T	15.97	16.88	23.98	-7.10	0.60
5290	58	AVG	484T	19.73	15.97	23.47	-3.74	0.50	
5530	106	AVG	484T	16.35	17.77	22.80	-5.03	3.30	
5610	122	AVG	484T	19.68	19.69	22.80	-3.11	3.30	
5690	138	AVG	484T	19.80	19.59	22.80	-3.00	3.30	
5775	155	AVG	484T	20.64	18.75	30.00	-9.36	3.60	

Table 7-31. SISO ANT1 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index			
					65	66		
	1	5250	50	484T	16.41	16.41	23.98	-7.57
2C	5570	114	484T	16.48	17.62	22.80	-5.18	

Table 7-32. SISO ANT1 160MHz (L) BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index			
					65	66		
	1	5250	50	484T	18.47	15.97	23.98	-5.51
2C	5570	114	484T	19.74	19.22	22.80	-3.06	

Table 7-33. SISO ANT1 160MHz (U) BW (UNII) Maximum Conducted Output Power (484 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					67		
	5210	42	AVG	996T	16.84	23.98	-7.14
	5290	58	AVG	996T	16.04	23.47	-7.43
	5530	106	AVG	996T	16.15	22.80	-6.65
	5610	122	AVG	996T	19.96	22.80	-2.84
5690	138	AVG	996T	19.54	22.80	-3.26	
5775	155	AVG	996T	19.97	30.00	-10.03	

Table 7-34. 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]
					RU Index		
					67		
1	5250	50	996T	16.22	23.98	-7.76	
2C	5570	114	996T	16.39	22.80	-6.41	

Table 7-35. SISO ANT1 160MHz (L) 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]
					RU Index		
					67		
1	5250	50	996T	16.08	23.98	-7.90	
2C	5570	114	996T	19.55	22.80	-3.25	

Table 7-36. SISO ANT1 160MHz (U) 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]
					RU Index		
					68		
1	5250	50	996Tx2	16.44	23.98	-7.54	
2C	5570	114	996Tx2	16.05	22.80	-6.75	

Table 7-37. SISO ANT1 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (26 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0	4	8		
					5180	36	AVG		
5200	40	AVG	26T	11.22	10.84	11.33	23.98	-12.65	
5240	48	AVG	26T	11.26	11.06	11.43	23.98	-12.55	
5260	52	AVG	26T	11.29	11.47	11.48	23.47	-11.99	
5280	56	AVG	26T	11.27	10.87	11.43	23.47	-12.04	
5320	64	AVG	26T	11.47	11.02	11.44	23.47	-12.00	
5500	100	AVG	26T	10.93	10.95	10.91	22.80	-11.85	
5600	120	AVG	26T	11.45	11.49	11.28	22.80	-11.31	
5720	144	AVG	26T	10.66	10.59	10.47	22.80	-12.14	
5745	149	AVG	26T	19.69	19.81	19.66	30.00	-10.19	
5785	157	AVG	26T	19.57	19.66	19.97	30.00	-10.03	
5825	165	AVG	26T	19.98	19.69	19.66	30.00	-10.02	

Table 7-38. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0	8	17		
					5190	38	AVG		
5230	46	AVG	26T	11.13	11.08	11.40	23.98	-12.58	
5270	54	AVG	26T	11.48	11.27	11.42	23.47	-11.99	
5310	62	AVG	26T	11.28	11.23	11.48	23.47	-11.99	
5510	102	AVG	26T	10.99	11.07	11.18	22.80	-11.62	
5590	118	AVG	26T	11.33	11.10	11.25	22.80	-11.47	
5710	142	AVG	26T	11.01	10.73	10.95	22.80	-11.79	
5755	151	AVG	26T	19.75	19.54	19.60	30.00	-10.25	
5795	159	AVG	26T	19.81	19.58	19.77	30.00	-10.19	

Table 7-39. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0	18	36		
					5210	42	AVG		
5290	58	AVG	26T	11.29	11.17	11.48	23.47	-11.99	
5530	106	AVG	26T	10.89	10.97	11.31	22.80	-11.49	
5610	122	AVG	26T	11.12	10.93	11.25	22.80	-11.55	
5690	138	AVG	26T	11.08	10.88	10.92	22.80	-11.72	
5775	155	AVG	26T	19.79	19.68	19.79	30.00	-10.21	

Table 7-40. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					0	18	36		
1	5250	50	26T	10.90	11.01	11.17	23.98	-12.81	
2C	5570	114	26T	10.87	11.16	11.36	22.80	-11.44	

Table 7-41. SISO ANT2 160MHz (L) BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					0	18	36		
1	5250	50	26T	10.58	10.37	10.56	23.98	-13.40	
2C	5570	114	26T	11.03	10.99	11.03	22.80	-11.77	

Table 7-42. SISO ANT2 160MHz (U) BW (UNII) Maximum Conducted Output Power (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	39	40		
					12.97	12.98	12.41		
5180	36	AVG	52T	12.97	12.98	12.41	23.98	-11.00	
5200	40	AVG	52T	12.93	12.83	12.98	23.98	-11.00	
5240	48	AVG	52T	12.90	12.77	12.92	23.98	-11.06	
5260	52	AVG	52T	12.90	12.78	12.99	23.47	-10.48	
5280	56	AVG	52T	12.89	12.75	12.98	23.47	-10.49	
5320	64	AVG	52T	12.60	12.50	12.75	23.47	-10.72	
5500	100	AVG	52T	12.58	12.90	12.51	22.80	-9.90	
5600	120	AVG	52T	12.82	12.55	12.73	22.80	-9.98	
5720	144	AVG	52T	12.90	12.65	12.86	22.80	-9.90	
5745	149	AVG	52T	19.92	19.62	19.71	30.00	-10.08	
5785	157	AVG	52T	19.60	19.88	19.59	30.00	-10.12	
5825	165	AVG	52T	19.58	19.96	19.57	30.00	-10.04	

Table 7-43. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	40	44		
					12.93	12.91	12.72		
5190	38	AVG	52T	12.93	12.91	12.72	23.98	-11.05	
5230	46	AVG	52T	12.97	12.53	12.63	23.98	-11.01	
5270	54	AVG	52T	12.75	12.60	12.76	23.47	-10.71	
5310	62	AVG	52T	12.50	12.52	12.68	23.47	-10.79	
5510	102	AVG	52T	12.97	12.72	12.93	22.80	-9.83	
5590	118	AVG	52T	12.75	12.50	12.58	22.80	-10.05	
5710	142	AVG	52T	12.82	12.69	12.66	22.80	-9.98	
5755	151	AVG	52T	19.80	19.63	19.70	30.00	-10.20	
5795	159	AVG	52T	19.61	19.98	19.56	30.00	-10.02	

Table 7-44. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37	44	52		
					5210	42	AVG		
5290	58	AVG	52T	12.95	12.82	12.67	23.47	-10.52	
5530	106	AVG	52T	12.96	12.76	12.75	22.80	-9.84	
5610	122	AVG	52T	12.79	12.54	12.76	22.80	-10.01	
5690	138	AVG	52T	12.88	12.70	12.80	22.80	-9.92	
5775	155	AVG	52T	19.87	19.70	19.72	30.00	-10.13	

Table 7-45. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					37	44	52		
1	5250	50	52T	12.89	12.97	12.86	23.98	-11.01	
2C	5570	114	52T	12.88	12.62	12.49	22.80	-9.92	

Table 7-46. SISO ANT2 160MHz (L) BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					37	44	52		
1	5250	50	52T	12.84	12.94	12.85	23.98	-11.04	
2C	5570	114	52T	12.96	12.89	12.64	22.80	-9.84	

Table 7-47. SISO ANT2 160MHz (U) BW (UNII) Maximum Conducted Output Power (52 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53	54		
	5180	36	AVG	106T	16.79	16.88	23.98	-7.10
	5200	40	AVG	106T	16.72	16.85	23.98	-7.13
	5240	48	AVG	106T	16.75	16.73	23.98	-7.23
	5260	52	AVG	106T	15.85	15.90	23.47	-7.57
	5280	56	AVG	106T	15.77	15.90	23.47	-7.57
	5320	64	AVG	106T	15.87	15.98	23.47	-7.49
	5500	100	AVG	106T	15.56	15.54	22.80	-7.24
	5600	120	AVG	106T	15.53	15.52	22.80	-7.27
	5720	144	AVG	106T	15.87	15.77	22.80	-6.93
	5745	149	AVG	106T	19.93	19.90	30.00	-10.07
5785	157	AVG	106T	19.60	19.68	30.00	-10.32	
5825	165	AVG	106T	19.66	19.66	30.00	-10.34	

Table 7-48. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53	54	56		
	5190	38	AVG	106T	16.90	16.79	16.90	23.98	-7.08
	5230	46	AVG	106T	16.83	16.73	16.88	23.98	-7.10
	5270	54	AVG	106T	15.74	15.54	15.80	23.47	-7.67
	5310	62	AVG	106T	15.47	15.52	15.75	23.47	-7.72
	5510	102	AVG	106T	15.94	15.79	15.82	22.80	-6.86
	5590	118	AVG	106T	15.60	15.99	15.47	22.80	-6.81
	5710	142	AVG	106T	15.67	15.62	15.58	22.80	-7.13
	5755	151	AVG	106T	19.82	19.69	19.75	30.00	-10.18
5795	159	AVG	106T	19.62	19.47	19.61	30.00	-10.38	

Table 7-49. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53	56	60		
					5210	42	AVG		
5290	58	AVG	106T	15.72	15.69	15.98	23.47	-7.49	
5530	106	AVG	106T	15.89	15.74	15.68	22.80	-6.91	
5610	122	AVG	106T	15.61	15.42	15.73	22.80	-7.07	
5690	138	AVG	106T	15.80	15.59	15.62	22.80	-7.00	
5775	155	AVG	106T	19.83	19.71	19.71	30.00	-10.17	

Table 7-50. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					53	56	60		
1	5250	50	106T	16.73	16.95	16.73	23.98	-7.03	
2C	5570	114	106T	15.63	15.87	15.72	22.80	-6.93	

Table 7-51. SISO ANT2 160MHz (L) BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					53	56	60		
1	5250	50	106T	15.85	15.90	15.90	23.98	-8.08	
2C	5570	114	106T	15.67	15.52	15.97	22.80	-6.83	

Table 7-52. SISO ANT2 160MHz (U) BW (UNII) Maximum Conducted Output Power (106 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (242 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
						61		
	5180	36	AVG	242T	17.61	23.98	-6.37	
	5200	40	AVG	242T	17.59	23.98	-6.39	
	5240	48	AVG	242T	17.85	23.98	-6.13	
	5260	52	AVG	242T	20.30	23.47	-3.17	
	5280	56	AVG	242T	20.23	23.47	-3.24	
	5320	64	AVG	242T	19.30	23.47	-4.17	
	5500	100	AVG	242T	17.63	22.80	-5.17	
	5600	120	AVG	242T	19.56	22.80	-3.24	
5720	144	AVG	242T	19.67	22.80	-3.13		
5745	149	AVG	242T	19.79	30.00	-10.21		
5785	157	AVG	242T	20.68	30.00	-9.32		
5825	165	AVG	242T	20.61	30.00	-9.39		

Table 7-53. SISO ANT2 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61	62		
	5190	38	AVG	242T	17.11	17.17	23.98	-6.81
	5230	46	AVG	242T	17.21	17.47	23.98	-6.51
	5270	54	AVG	242T	19.98	19.98	23.47	-3.49
	5310	62	AVG	242T	20.41	19.48	23.47	-3.06
	5510	102	AVG	242T	17.72	19.99	22.80	-2.81
	5590	118	AVG	242T	19.69	19.60	22.80	-3.11
	5710	142	AVG	242T	16.82	19.73	22.80	-3.07
	5755	151	AVG	242T	19.50	20.45	30.00	-9.55
5795	159	AVG	242T	20.86	20.87	30.00	-9.13	

Table 7-54. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61	62	64		
					5210	42	AVG		
5290	58	AVG	242T	20.29	20.28	19.11	23.47	-3.18	
5530	106	AVG	242T	17.81	19.95	19.81	22.80	-2.85	
5610	122	AVG	242T	19.88	19.77	19.67	22.80	-2.92	
5690	138	AVG	242T	19.82	19.81	19.80	22.80	-2.98	
5775	155	AVG	242T	19.76	20.75	20.71	30.00	-9.25	

Table 7-55. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					61	62	64		
1	5250	50	242T	17.37	17.71	17.97	23.98	-6.01	
2C	5570	114	242T	19.78	19.81	19.83	22.80	-2.97	

Table 7-56. SISO ANT2 160MHz (L) BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					61	62	64		
1	5250	50	242T	20.44	20.38	20.01	23.98	-3.54	
2C	5570	114	242T	19.78	19.62	19.81	22.80	-2.99	

Table 7-57. SISO ANT2 160MHz (U) BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
						65		
	5190	38	AVG	484T	16.22	23.98	-7.76	
	5230	46	AVG	484T	16.99	23.98	-6.99	
	5270	54	AVG	484T	19.91	23.47	-3.56	
	5310	62	AVG	484T	15.04	23.47	-8.43	
	5510	102	AVG	484T	16.08	22.80	-6.72	
	5590	118	AVG	484T	19.97	22.80	-2.83	
	5710	142	AVG	484T	19.75	22.80	-3.05	
	5755	151	AVG	484T	20.82	30.00	-9.18	
5795	159	AVG	484T	18.62	30.00	-11.38		

Table 7-58. SISO ANT2 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					65	66		
	5210	42	AVG	484T	16.45	16.82	23.98	-7.16
	5290	58	AVG	484T	19.46	15.74	23.47	-4.01
	5530	106	AVG	484T	16.15	17.75	22.80	-5.05
	5610	122	AVG	484T	19.84	19.82	22.80	-2.96
	5690	138	AVG	484T	19.67	19.94	22.80	-2.86
5775	155	AVG	484T	20.57	18.59	30.00	-9.43	

Table 7-59. SISO ANT2 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
					RU Index				
						65	66		
	1	5250	50	484T	16.46	16.50	23.98	-7.48	
2C	5570	114	484T	16.32	17.23	22.80	-5.57		

Table 7-60. SISO ANT2 160MHz (L) BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
					RU Index				
						65	66		
	1	5250	50	484T	18.27	15.80	23.98	-5.71	
2C	5570	114	484T	19.43	19.62	22.80	-3.18		

Table 7-61. SISO ANT2 160MHz (U) BW (UNII) Maximum Conducted Output Power (484 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-2 Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	
						67		
	5210	42	AVG	996T	16.48	23.98	-7.50	
	5290	58	AVG	996T	16.13	23.47	-7.34	
	5530	106	AVG	996T	15.98	22.80	-6.82	
	5610	122	AVG	996T	19.56	22.80	-3.24	
	5690	138	AVG	996T	19.77	22.80	-3.03	
5775	155	AVG	996T	19.75	30.00	-10.25		

Table 7-62. 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]	
						RU Index		
						67		
1	5250	50	996T	16.42	23.98	-7.56		
2C	5570	114	996T	16.08	22.80	-6.72		

Table 7-63. SISO ANT2 160MHz (L) 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]	
						RU Index		
						67		
1	5250	50	996T	15.96	23.98	-8.02		
2C	5570	114	996T	19.62	22.80	-3.18		

Table 7-64. SISO ANT2 160MHz (U) 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]	
						RU Index		
						68		
1	5250	50	996Tx2	16.25	23.98	-7.73		
2C	5570	114	996Tx2	16.49	22.80	-6.31		

Table 7-65. SISO ANT2 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

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MIMO Maximum Conducted Output Power Measurements (26 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0			4			8				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5180	36	AVG	26T	8.95	8.25	11.62	10.16	9.71	12.95	9.34	8.76	12.07	23.98	-11.03	
5200	40	AVG	26T	9.01	8.35	11.70	10.05	9.69	12.88	9.07	8.49	11.80	23.98	-11.10	
5240	48	AVG	26T	9.25	8.61	11.95	10.14	9.77	12.97	9.29	8.75	12.04	23.98	-11.01	
5260	52	AVG	26T	9.93	9.75	12.85	9.87	9.69	12.79	9.89	9.83	12.87	23.47	-10.60	
5280	56	AVG	26T	9.91	9.74	12.84	9.73	9.71	12.73	9.76	9.79	12.79	23.47	-10.63	
5320	64	AVG	26T	10.12	9.69	12.92	9.91	9.51	12.72	9.94	9.89	12.93	23.47	-10.54	
5500	100	AVG	26T	10.32	10.03	13.19	9.99	9.83	12.92	10.17	10.09	13.14	22.80	-9.61	
5600	120	AVG	26T	10.42	9.87	13.16	10.03	9.63	12.84	10.11	10.02	13.08	22.80	-9.64	
5720	144	AVG	26T	10.08	9.56	12.84	9.93	9.69	12.82	10.04	10.06	13.06	22.80	-9.74	
5745	149	AVG	26T	19.98	19.69	22.85	19.60	19.81	22.72	19.95	19.66	22.82	30.00	-7.15	
5785	157	AVG	26T	19.84	19.57	22.72	19.50	19.66	22.59	19.83	19.97	22.91	30.00	-7.09	
5825	165	AVG	26T	19.93	19.98	22.97	19.46	19.69	22.59	19.87	19.66	22.78	30.00	-7.03	

Table 7-66. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0			8			17				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5190	38	AVG	26T	8.74	8.15	11.47	8.71	8.02	11.39	8.97	8.31	11.66	23.98	-12.32	
5230	46	AVG	26T	9.11	8.38	11.77	8.93	8.30	11.64	9.20	8.58	11.91	23.98	-12.07	
5270	54	AVG	26T	9.69	9.49	12.60	9.63	9.37	12.51	9.88	9.57	12.74	23.47	-10.73	
5310	62	AVG	26T	9.95	9.41	12.70	9.76	9.25	12.52	9.96	9.53	12.76	23.47	-10.71	
5510	102	AVG	26T	10.25	9.79	13.04	9.99	9.47	12.75	9.99	9.63	12.82	22.80	-9.76	
5590	118	AVG	26T	10.44	9.81	13.15	10.03	9.44	12.76	10.01	9.55	12.80	22.80	-9.65	
5710	142	AVG	26T	9.97	9.51	12.76	9.76	9.14	12.47	9.85	9.24	12.57	22.80	-10.04	
5755	151	AVG	26T	19.62	19.75	22.70	19.84	19.54	22.70	19.86	19.60	22.74	30.00	-7.26	
5795	159	AVG	26T	19.96	19.81	22.90	19.75	19.58	22.68	19.93	19.77	22.86	30.00	-7.10	

Table 7-67. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					0			18			36				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5210	42	AVG	26T	8.83	8.11	11.50	8.99	8.29	11.66	9.19	8.64	11.93	23.98	-12.05	
5290	58	AVG	26T	9.81	9.38	12.61	9.86	9.44	12.67	9.89	9.44	12.68	23.47	-10.79	
5530	106	AVG	26T	10.45	9.89	13.19	10.13	9.55	12.86	10.17	9.56	12.89	22.80	-9.61	
5610	122	AVG	26T	10.61	9.86	13.26	10.11	9.52	12.84	10.08	9.55	12.83	22.80	-9.54	
5690	138	AVG	26T	10.26	9.77	13.03	9.94	9.32	12.65	9.96	9.35	12.68	22.80	-9.77	
5775	155	AVG	26T	19.73	19.79	22.77	19.94	19.68	22.82	19.44	19.79	22.63	30.00	-7.18	

Table 7-68. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 0			RU Index: 18			RU Index: 36				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	26T	9.77	9.11	12.46	8.79	8.22	11.52	8.92	8.48	11.72	23.98	-11.52	
2C	5570	114	26T	9.89	9.19	12.56	8.59	8.12	11.37	9.06	8.63	11.86	22.80	-10.24	

Table 7-69. MIMO 160MHz (L) BW (UNII) Maximum Conducted Output Power (26 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 0			RU Index: 18			RU Index: 36				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	26T	8.39	9.24	11.85	8.57	9.37	12.00	8.26	9.11	11.72	23.98	-11.98	
2C	5570	114	26T	10.73	10.19	13.48	10.47	10	13.25	9.94	9.42	12.70	22.80	-9.32	

Table 7-70. MIMO 160MHz (U) BW (UNII) Maximum Conducted Output Power (26 Tones)

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MIMO Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37			39			40				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5180	36	AVG	52T	12.01	11.80	14.92	11.86	11.61	14.75	12.10	11.86	14.99	23.98	-8.99	
5200	40	AVG	52T	12.06	11.62	14.86	11.84	11.57	14.72	12.04	11.82	14.94	23.98	-9.04	
5240	48	AVG	52T	12.06	11.83	14.96	11.84	11.62	14.74	11.53	11.33	14.44	23.98	-9.02	
5260	52	AVG	52T	12.05	11.82	14.95	11.89	11.72	14.82	12.01	11.96	15.00	23.47	-8.47	
5280	56	AVG	52T	12.04	11.75	14.91	11.92	11.73	14.84	12.09	11.86	14.99	23.47	-8.48	
5320	64	AVG	52T	12.16	11.75	14.97	12.02	11.42	14.74	12.11	11.81	14.97	23.47	-8.50	
5500	100	AVG	52T	11.77	11.32	14.56	11.81	11.49	14.66	11.81	11.47	14.65	22.80	-8.14	
5600	120	AVG	52T	11.83	11.29	14.58	11.79	11.11	14.47	11.86	11.22	14.56	22.80	-8.22	
5720	144	AVG	52T	11.53	10.99	14.28	11.61	11.21	14.42	11.61	11.03	14.34	22.80	-8.38	
5745	149	AVG	52T	19.89	19.92	22.92	19.58	19.62	22.61	19.78	19.71	22.76	30.00	-7.08	
5785	157	AVG	52T	19.70	19.60	22.66	19.53	19.88	22.72	19.74	19.59	22.68	30.00	-7.28	
5825	165	AVG	52T	19.83	19.58	22.72	19.62	19.96	22.80	19.59	19.57	22.59	30.00	-7.20	

Table 7-71. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37			40			44				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5190	38	AVG	52T	12.03	11.71	14.88	11.93	11.54	14.75	11.66	11.35	14.52	23.98	-9.10	
5230	46	AVG	52T	12.07	11.81	14.95	12.02	11.75	14.90	11.74	11.44	14.60	23.98	-9.03	
5270	54	AVG	52T	12.08	11.81	14.96	11.97	11.69	14.84	11.98	11.67	14.84	23.47	-8.51	
5310	62	AVG	52T	12.21	11.74	14.99	12.11	11.59	14.87	12.07	11.59	14.85	23.47	-8.48	
5510	102	AVG	52T	11.92	11.38	14.67	12.03	11.15	14.62	12.21	11.75	15.00	22.80	-7.80	
5590	118	AVG	52T	11.77	11.21	14.51	11.73	11.13	14.45	11.72	11.14	14.45	22.80	-8.29	
5710	142	AVG	52T	11.66	11.13	14.41	11.39	10.81	14.12	11.41	10.81	14.13	22.80	-8.39	
5755	151	AVG	52T	19.62	19.80	22.72	19.89	19.63	22.77	19.99	19.70	22.86	30.00	-7.14	
5795	159	AVG	52T	19.94	19.61	22.79	19.81	19.98	22.91	19.91	19.56	22.75	30.00	-7.09	

Table 7-72. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					37			44			52				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5210	42	AVG	52T	11.61	11.04	14.34	11.62	11.11	14.38	11.81	11.59	14.71	23.98	-9.27	
5290	58	AVG	52T	11.58	11.09	14.35	11.57	11.06	14.33	11.80	11.31	14.57	23.47	-8.90	
5530	106	AVG	52T	12.14	11.36	14.78	11.86	11.15	14.53	11.64	11.06	14.37	22.80	-8.02	
5610	122	AVG	52T	12.26	11.45	14.88	11.71	11.13	14.44	11.73	11.02	14.40	22.80	-7.92	
5690	138	AVG	52T	11.85	11.35	14.62	11.58	10.94	14.28	11.55	10.81	14.21	22.80	-8.18	
5775	155	AVG	52T	19.69	19.87	22.79	19.93	19.70	22.83	19.95	19.72	22.85	30.00	-7.15	

Table 7-73. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 37			RU Index: 44			RU Index: 52				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	52T	11.45	10.92	14.20	12.05	11.53	14.81	11.76	11.35	14.57	23.98	-9.17	
2C	5570	114	52T	12.06	11.12	14.63	12.28	11.43	14.89	11.96	11.31	14.66	22.80	-7.91	

Table 7-74. MIMO 80MHz (L) BW (UNII) Maximum Conducted Output Power (52 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 37			RU Index: 44			RU Index: 52				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	52T	11.58	11.45	14.53	11.71	11.54	14.64	11.45	11.27	14.37	23.98	-9.34	
2C	5570	114	52T	11.91	11.27	14.61	11.49	11.09	14.30	10.99	10.51	13.77	22.80	-8.19	

Table 7-75. MIMO 160MHz (U) BW (UNII) Maximum Conducted Output Power (52 Tones)

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MIMO Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53			54				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5180	36	AVG	106T	14.51	14.37	17.45	14.54	14.42	17.49	23.98	-6.49	
5200	40	AVG	106T	14.47	14.80	17.65	14.51	14.31	17.42	23.98	-6.33	
5240	48	AVG	106T	14.57	14.38	17.49	14.54	14.44	17.50	23.98	-6.48	
5260	52	AVG	106T	14.53	14.39	17.47	14.57	14.45	17.52	23.47	-5.95	
5280	56	AVG	106T	14.55	14.39	17.48	14.57	14.43	17.51	23.47	-5.96	
5320	64	AVG	106T	14.71	14.28	17.51	14.67	14.31	17.50	23.47	-5.96	
5500	100	AVG	106T	14.79	14.45	17.63	14.73	14.41	17.58	22.80	-5.17	
5600	120	AVG	106T	14.67	14.28	17.49	14.51	14.23	17.38	22.80	-5.31	
5720	144	AVG	106T	14.54	13.91	17.25	14.49	13.87	17.20	22.80	-5.55	
5745	149	AVG	106T	19.64	19.93	22.80	19.80	19.90	22.86	30.00	-7.14	
5785	157	AVG	106T	19.89	19.60	22.76	19.72	19.68	22.71	30.00	-7.24	
5825	165	AVG	106T	19.74	19.66	22.71	19.90	19.66	22.79	30.00	-7.21	

Table 7-76. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53			54			56				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5190	38	AVG	106T	14.48	14.35	17.43	14.45	14.24	17.36	14.44	14.32	17.39	23.98	-6.55	
5230	46	AVG	106T	14.62	14.37	17.51	14.44	14.32	17.39	14.47	14.31	17.40	23.98	-6.47	
5270	54	AVG	106T	14.53	14.41	17.48	14.49	14.26	17.39	14.67	14.49	17.59	23.47	-5.88	
5310	62	AVG	106T	14.77	14.27	17.54	14.65	14.18	17.43	14.79	14.35	17.59	23.47	-5.88	
5510	102	AVG	106T	14.92	14.49	17.72	14.73	14.32	17.54	14.74	14.37	17.57	22.80	-5.08	
5590	118	AVG	106T	14.84	14.42	17.65	14.61	14.23	17.43	14.49	14.23	17.37	22.80	-5.15	
5710	142	AVG	106T	14.68	14.10	17.41	14.51	13.84	17.20	14.45	13.87	17.18	22.80	-5.39	
5755	151	AVG	106T	19.68	19.82	22.76	19.98	19.69	22.85	19.97	19.75	22.87	30.00	-7.13	
5795	159	AVG	106T	19.99	19.62	22.82	19.89	19.47	22.70	19.98	19.61	22.81	30.00	-7.18	

Table 7-77. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					53			56			60				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5210	42	AVG	106T	14.62	14.19	17.42	14.60	14.27	17.45	14.77	14.63	17.71	23.98	-6.27	
5290	58	AVG	106T	14.56	14.24	17.41	14.54	14.24	17.40	14.52	14.26	17.40	23.47	-6.06	
5530	106	AVG	106T	15.08	14.48	17.80	14.81	14.26	17.55	14.79	14.27	17.55	22.80	-5.00	
5610	122	AVG	106T	14.96	14.39	17.69	14.54	14.12	17.35	14.53	14.13	17.34	22.80	-5.11	
5690	138	AVG	106T	14.81	14.29	17.57	14.60	13.92	17.28	14.59	13.92	17.28	22.80	-5.23	
5775	155	AVG	106T	19.75	19.83	22.80	19.91	19.71	22.82	19.97	19.71	22.85	30.00	-7.15	

Table 7-78. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 53			RU Index: 56			RU Index: 60				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	106T	14.58	14.11	17.36	14.99	14.63	17.82	14.64	14.36	17.51	23.98	-6.16	
2C	5570	114	106T	14.88	14.27	17.60	15.02	14.45	17.75	14.7	14.36	17.54	22.80	-5.05	

Table 7-79. MIMO 160MHz (L) BW (UNII) Maximum Conducted Output Power (106 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 53			RU Index: 56			RU Index: 60				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	106T	14.56	14.55	17.57	14.66	14.63	17.66	14.38	14.42	17.41	23.98	-6.32	
2C	5570	114	106T	14.92	14.75	17.85	14.92	14.74	17.84	14.46	14.17	17.33	22.80	-4.95	

Table 7-80. MIMO 160MHz (U) BW (UNII) Maximum Conducted Output Power (106 Tones)

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MIMO Conducted Output Power Measurements (242 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61				
					ANT1	ANT2	MIMO		
5180	36	AVG	242T	17.05	16.91	19.99	23.98	-3.99	
5200	40	AVG	242T	17.03	16.85	19.95	23.98	-4.03	
5240	48	AVG	242T	17.04	16.92	19.99	23.98	-3.99	
5260	52	AVG	242T	17.22	17.06	20.15	23.47	-3.32	
5280	56	AVG	242T	17.22	17.06	20.15	23.47	-3.32	
5320	64	AVG	242T	17.45	17.04	20.26	23.47	-3.21	
5500	100	AVG	242T	17.58	17.09	20.35	22.80	-2.45	
5600	120	AVG	242T	17.62	16.98	20.32	22.80	-2.48	
5720	144	AVG	242T	17.36	16.65	20.03	22.80	-2.77	
5745	149	AVG	242T	19.98	19.79	22.90	30.00	-7.10	
5785	157	AVG	242T	20.60	20.68	23.65	30.00	-6.35	
5825	165	AVG	242T	20.58	20.61	23.61	30.00	-6.39	

Table 7-81. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61			62				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5190	38	AVG	242T	17.72	17.32	20.53	17.84	17.48	20.67	23.98	-3.31	
5230	46	AVG	242T	17.66	17.45	20.57	17.82	17.54	20.69	23.98	-3.29	
5270	54	AVG	242T	17.85	17.49	20.68	17.92	17.57	20.76	23.47	-2.71	
5310	62	AVG	242T	18.07	17.46	20.79	18.04	17.51	20.79	23.47	-2.68	
5510	102	AVG	242T	18.20	17.57	20.91	18.10	17.49	20.82	22.80	-1.89	
5590	118	AVG	242T	18.32	17.31	20.85	18.11	17.43	20.79	22.80	-1.95	
5710	142	AVG	242T	17.35	16.45	19.93	17.03	16.47	19.77	22.80	-2.87	
5755	151	AVG	242T	19.96	19.50	22.75	20.87	20.45	23.68	30.00	-6.32	
5795	159	AVG	242T	20.98	20.86	23.93	20.86	20.87	23.88	30.00	-6.07	

Table 7-82. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					61			62			64				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5210	42	AVG	242T	17.15	16.79	19.98	17.17	16.80	20.00	17.28	17.18	20.24	23.98	-3.74	
5290	58	AVG	242T	17.86	17.49	20.69	17.24	16.90	20.08	17.42	17.15	20.30	23.47	-2.78	
5530	106	AVG	242T	17.87	17.17	20.54	17.71	16.98	20.37	17.49	16.87	20.20	22.80	-2.26	
5610	122	AVG	242T	17.96	17.13	20.58	17.69	16.95	20.35	17.62	16.76	20.22	22.80	-2.22	
5690	138	AVG	242T	17.65	16.99	20.34	17.53	16.76	20.17	17.44	16.53	20.02	22.80	-2.46	
5775	155	AVG	242T	19.74	19.76	22.76	20.95	20.75	23.86	20.94	20.71	23.84	30.00	-6.14	

Table 7-83. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 61			RU Index: 62			RU Index: 64				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	242T	17.39	16.87	20.15	17.71	17.19	20.47	17.86	17.52	20.70	23.98	-3.28	
2C	5570	114	242T	18.11	17.1	20.64	18.21	17.17	20.73	17.92	17.07	20.53	22.80	-2.07	

Table 7-84. MIMO 160MHz (L) BW (UNII) Maximum Conducted Output Power (242 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 61			RU Index: 62			RU Index: 64				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
1	5250	50	242T	17.29	17.30	20.31	17.36	17.36	20.37	17.20	17.22	20.22	23.98	-3.61	
2C	5570	114	242T	17.74	16.96	20.38	17.53	16.85	20.21	17.1	16.34	19.75	22.80	-2.42	

Table 7-85. MIMO 160MHz (U) BW (UNII) Maximum Conducted Output Power (242 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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MIMO Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					65				
					ANT1	ANT2	MIMO		
					5190	38	AVG		
5230	46	AVG	484T	16.72	16.99	19.87	23.98	-4.11	
5270	54	AVG	484T	19.65	19.91	22.79	23.47	-0.68	
5310	62	AVG	484T	15.43	15.04	18.25	23.47	-5.22	
5510	102	AVG	484T	16.45	16.08	19.28	22.80	-3.52	
5590	118	AVG	484T	19.59	19.87	22.74	22.80	-0.06	
5710	142	AVG	484T	19.71	19.75	22.74	22.80	-0.06	
5755	151	AVG	484T	20.99	20.82	23.92	30.00	-6.08	
5795	159	AVG	484T	18.75	18.62	21.70	30.00	-8.30	

Table 7-86. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					65			66				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
					5210	42	AVG	484T	16.23	15.77		
5290	58	AVG	484T	19.73	19.46	22.61	16.47	15.45	19.00	23.47	-0.86	
5530	106	AVG	484T	16.35	16.15	19.26	17.77	17.75	20.77	22.80	-2.03	
5610	122	AVG	484T	19.68	19.84	22.77	19.69	19.82	22.77	22.80	-0.03	
5690	138	AVG	484T	19.80	19.77	22.80	19.59	19.94	22.78	22.80	-0.02	
5775	155	AVG	484T	20.64	20.57	23.62	18.75	18.59	21.68	30.00	-6.38	

Table 7-87. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 65			RU Index: 66				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
					1	5250	50	484T	16.41	16.46		
2C	5570	114	484T	16.48	16.32	19.41	17.62	17.23	20.44	22.80	-2.36	

Table 7-88. MIMO 80MHz (L) BW (UNII) Maximum Conducted Output Power (484 Tones)

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index: 65			RU Index: 66				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
					1	5250	50	484T	18.47	18.27		
2C	5570	114	484T	19.74	19.43	22.60	19.22	19.62	22.43	22.80	-0.20	

Table 7-89. MIMO 160MHz (U) BW (UNII) Maximum Conducted Output Power (484 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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MIMO Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					67				
					ANT1	ANT2	MIMO		
					5210	42	AVG		
5290	58	AVG	996T	16.04	16.13	19.10	23.47	-4.37	
5530	106	AVG	996T	16.15	15.98	19.08	22.80	-3.72	
5610	122	AVG	996T	19.96	19.56	22.77	22.80	-0.03	
5690	138	AVG	996T	19.54	19.77	22.67	22.80	-0.13	
5775	155	AVG	996T	19.97	19.75	22.87	30.00	-7.13	

Table 7-90. 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]
					RU Index: 67				
					ANT1	ANT2	MIMO		
					1	5250	50		
2C	5570	114	996T	16.39	16.08	19.25	22.80	-3.55	

Table 7-91. MIMO 80MHz (L) 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]
					RU Index: 67				
					ANT1	ANT2	MIMO		
					1	5250	50		
2C	5570	114	996T	19.55	19.62	22.60	22.80	-0.20	

Table 7-92. MIMO 160MHz (U) 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]
					RU Index: 68				
					ANT1	ANT2	MIMO		
					1	5250	50		
2C	5570	114	996T	16.05	16.49	19.29	22.80	-3.51	

Table 7-93. MIMO 160MHz BW (UNII) Maximum Conducted Output Power (2x996 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), 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 802.11n (20MHz BW) mode, the average conducted output power was measured to be 18.04 dBm for Antenna 1 and 17.71 dBm for Antenna 2.

Antenna 1 + Antenna 2 = MIMO

$$(18.04 \text{ dBm} + 17.71 \text{ dBm}) = (63.68 \text{ mW} + 59.02 \text{ mW}) = 122.70 \text{ mW} = 20.89 \text{ dBm}$$

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V 9.0 02/01/2019

7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3)

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 KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
 KDB 789033 D02 v02r01 – Section F
 ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique
 KDB 662911 v02r01 – Section E)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 $\geq 2 \times$ (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

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

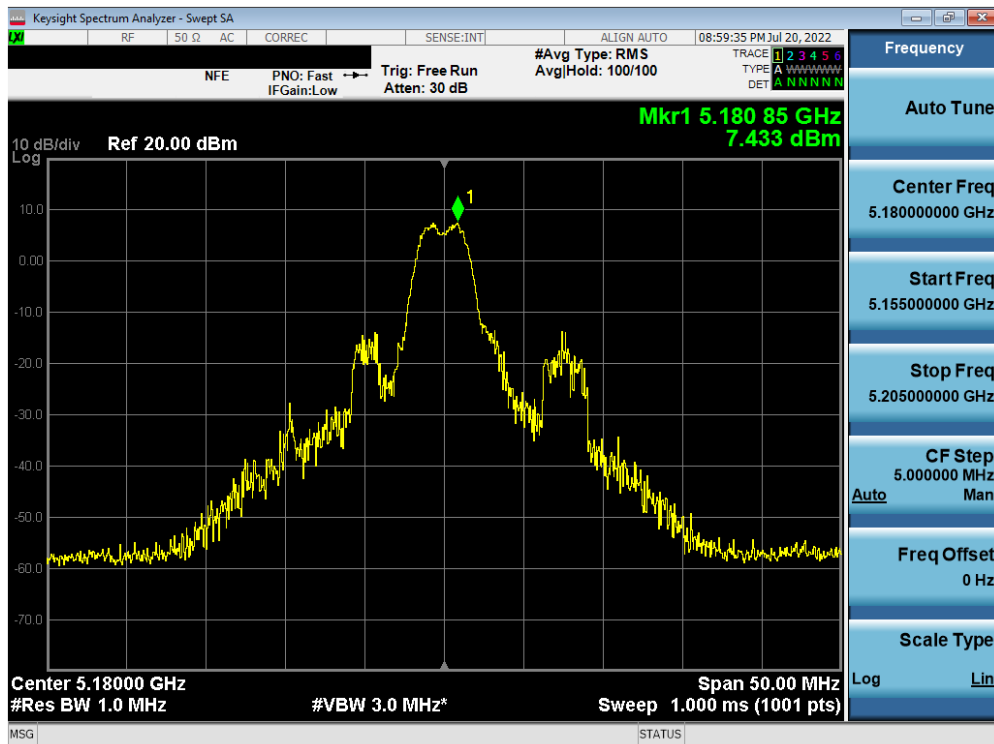
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Power Spectral Density Measurements (26 Tones)

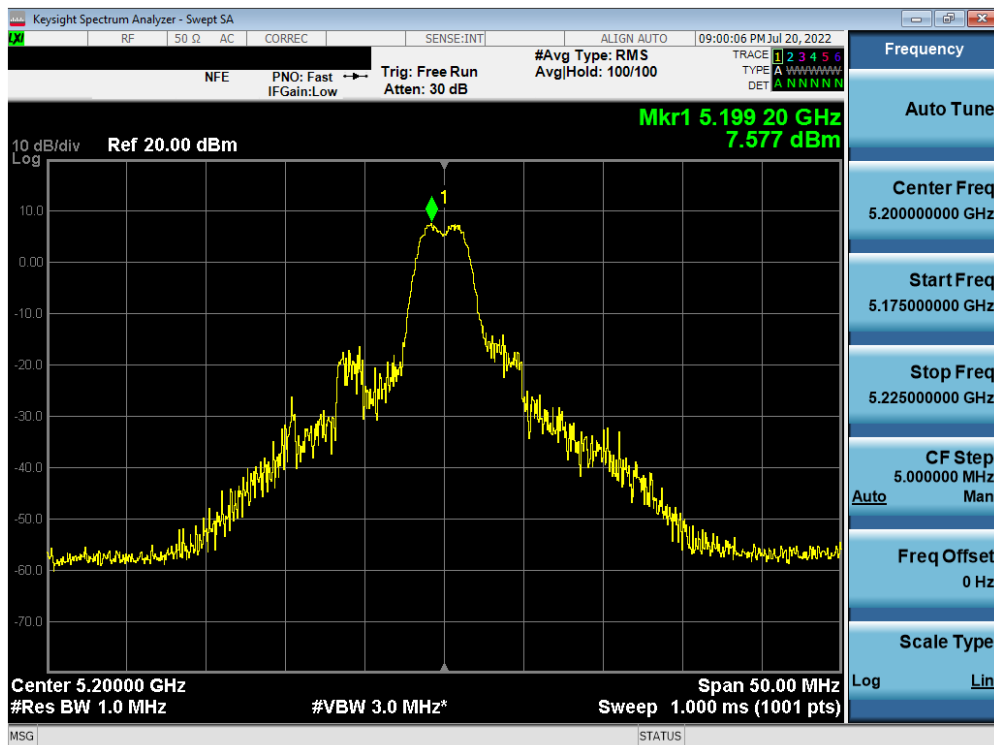
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26T	MCS0	7.43	11.0	-3.57
	5200	40	ax (20MHz)	26T	MCS0	7.58	11.0	-3.42
	5240	48	ax (20MHz)	26T	MCS0	7.83	11.0	-3.18
	5190	38	ax (40MHz)	26T	MCS0	8.61	11.0	-2.39
	5230	46	ax (40MHz)	26T	MCS0	8.77	11.0	-2.24
	5210	42	ax (80MHz)	26T	MCS0	7.53	11.0	-3.47
Band 1/2A	5250	50	ax (160MHz) L	26T	MCS0	7.48	11.0	-3.52
	5250	50	ax (160MHz) U	26T	MCS0	7.21	11.0	-3.79
Band 2A	5260	52	ax (20MHz)	26T	MCS0	9.59	11.0	-1.41
	5280	56	ax (20MHz)	26T	MCS0	9.60	11.0	-1.40
	5320	64	ax (20MHz)	26T	MCS0	8.51	11.0	-2.49
	5270	54	ax (40MHz)	26T	MCS0	9.33	11.0	-1.67
	5310	62	ax (40MHz)	26T	MCS0	9.73	11.0	-1.27
	5290	58	ax (80MHz)	26T	MCS0	8.90	11.0	-2.10
Band 2C	5500	100	ax (20MHz)	26T	MCS0	9.52	11.0	-1.49
	5600	120	ax (20MHz)	26T	MCS0	8.91	11.0	-2.09
	5720	144	ax (20MHz)	26T	MCS0	9.26	11.0	-1.74
	5510	102	ax (40MHz)	26T	MCS0	10.54	11.0	-0.46
	5590	118	ax (40MHz)	26T	MCS0	10.07	11.0	-0.93
	5710	142	ax (40MHz)	26T	MCS0	9.78	11.0	-1.22
	5530	106	ax (80MHz)	26T	MCS0	10.11	11.0	-0.89
	5610	122	ax (80MHz)	26T	MCS0	10.41	11.0	-0.59
	5690	138	ax (80MHz)	26T	MCS0	9.85	11.0	-1.15
	5570	114	ax (160MHz) L	26T	MCS0	8.24	11.0	-2.76
5570	114	ax (160MHz) U	26T	MCS0	7.20	11.0	-3.80	

Table 7-94. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO ANT1 (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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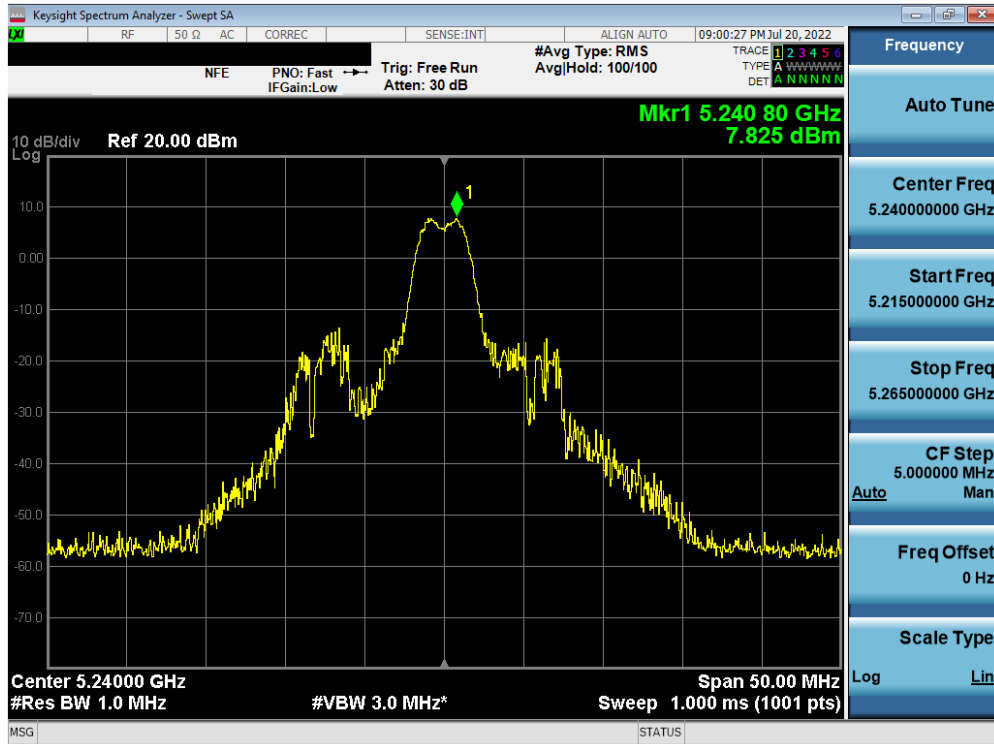


Plot 7-117. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 36)

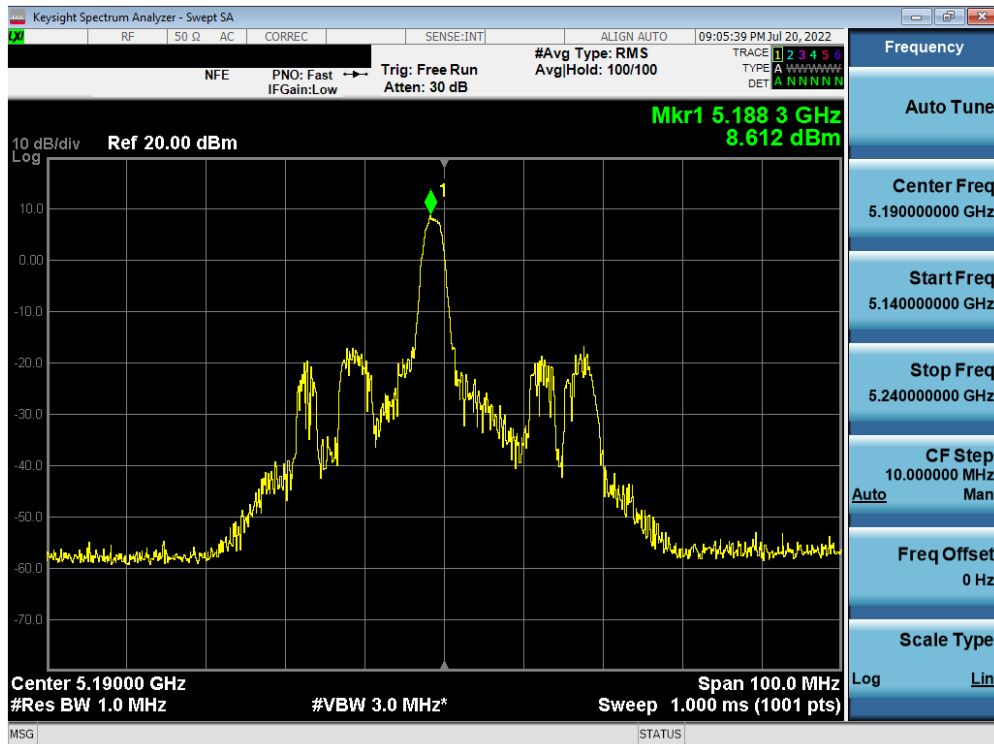


Plot 7-118. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 40)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 116 of 309

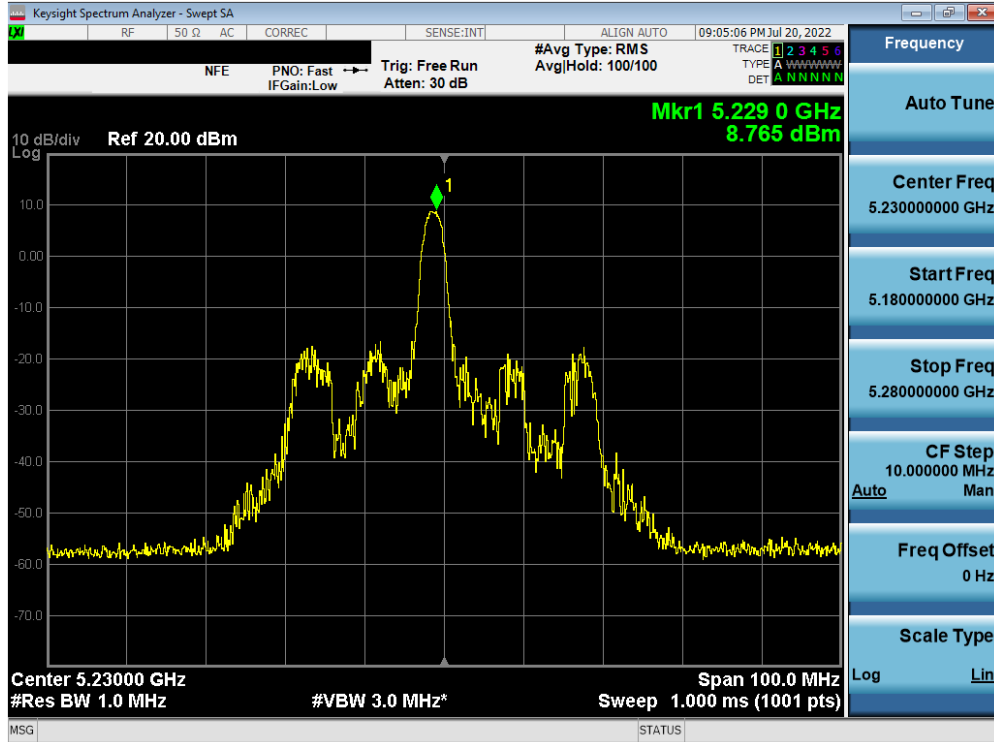


Plot 7-119. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 48)

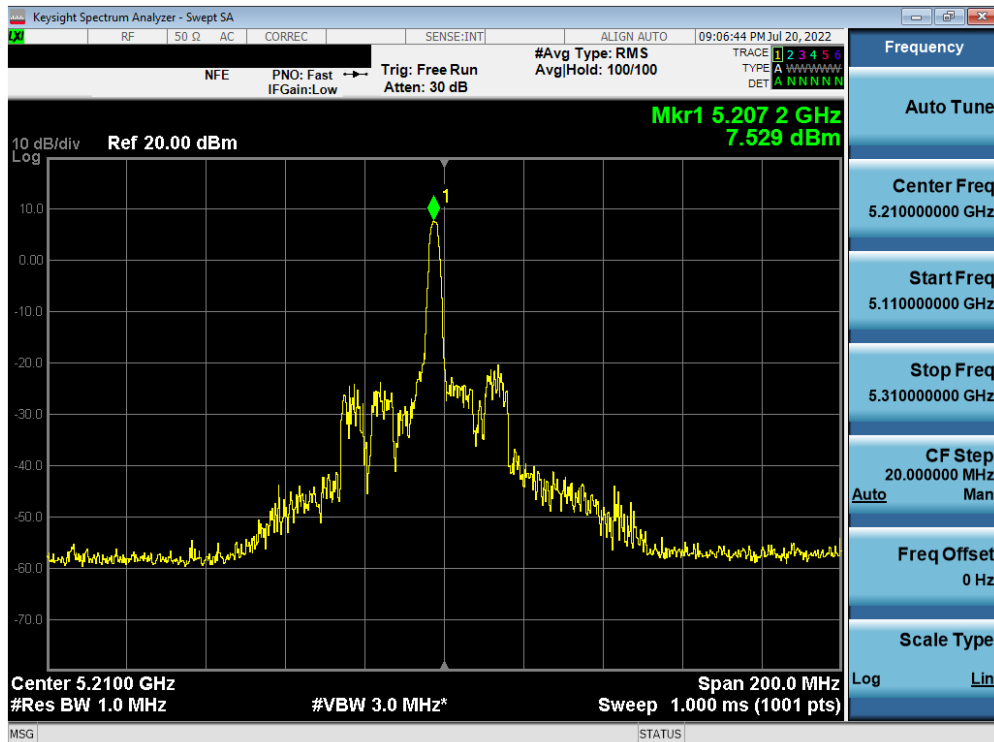


Plot 7-120. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 38)

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device		Page 117 of 309

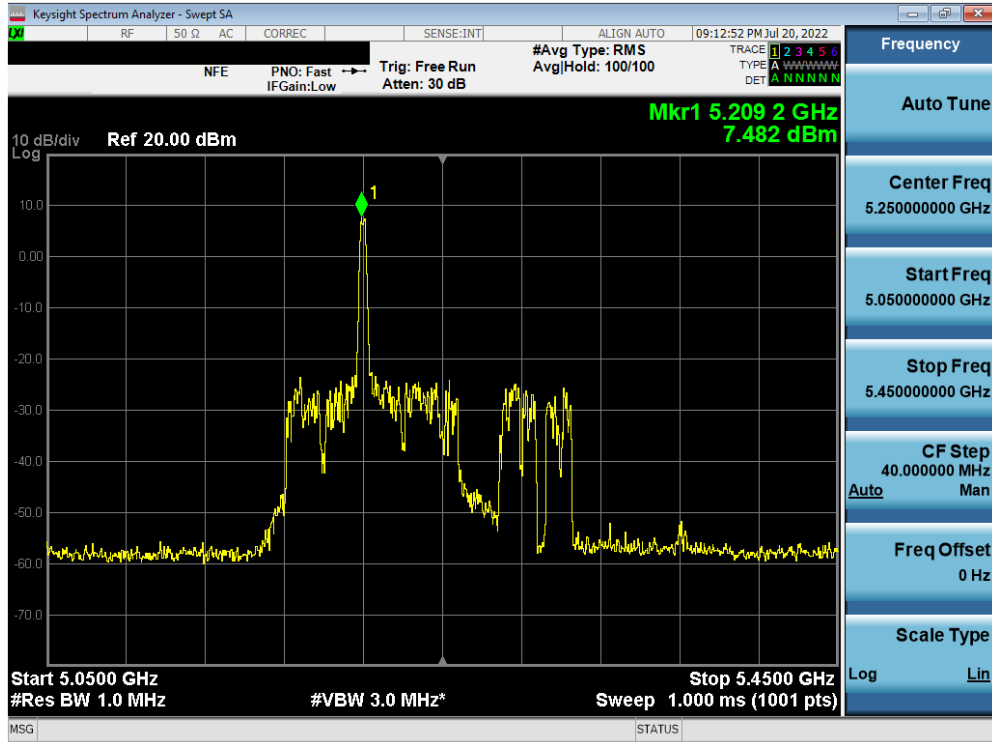


Plot 7-121. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 46)

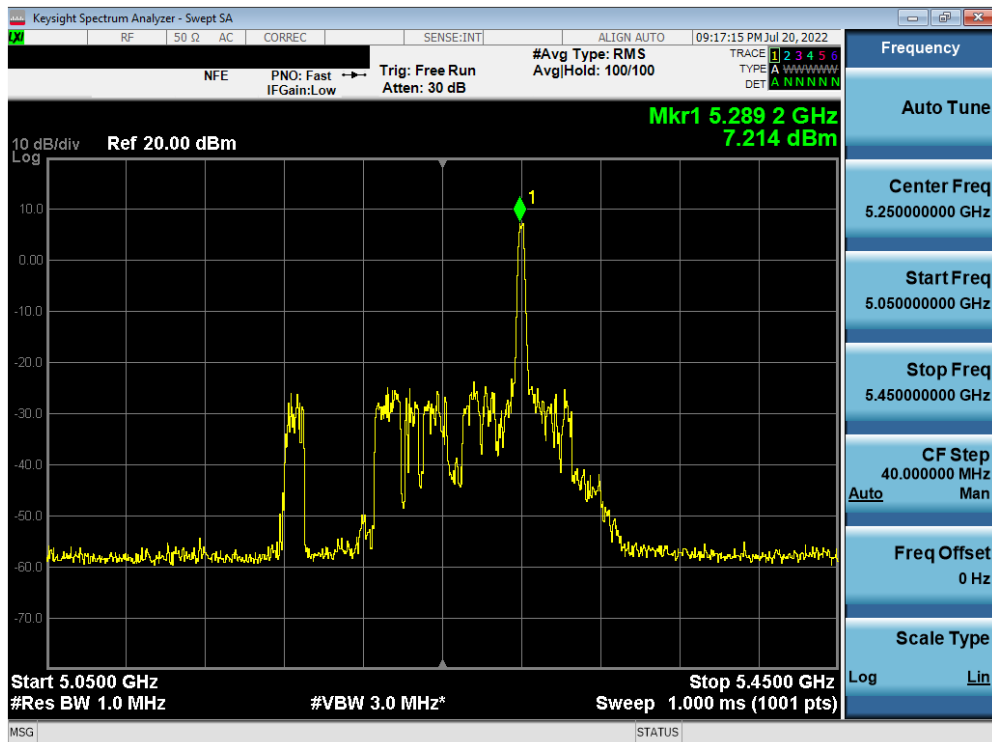


Plot 7-122. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 42)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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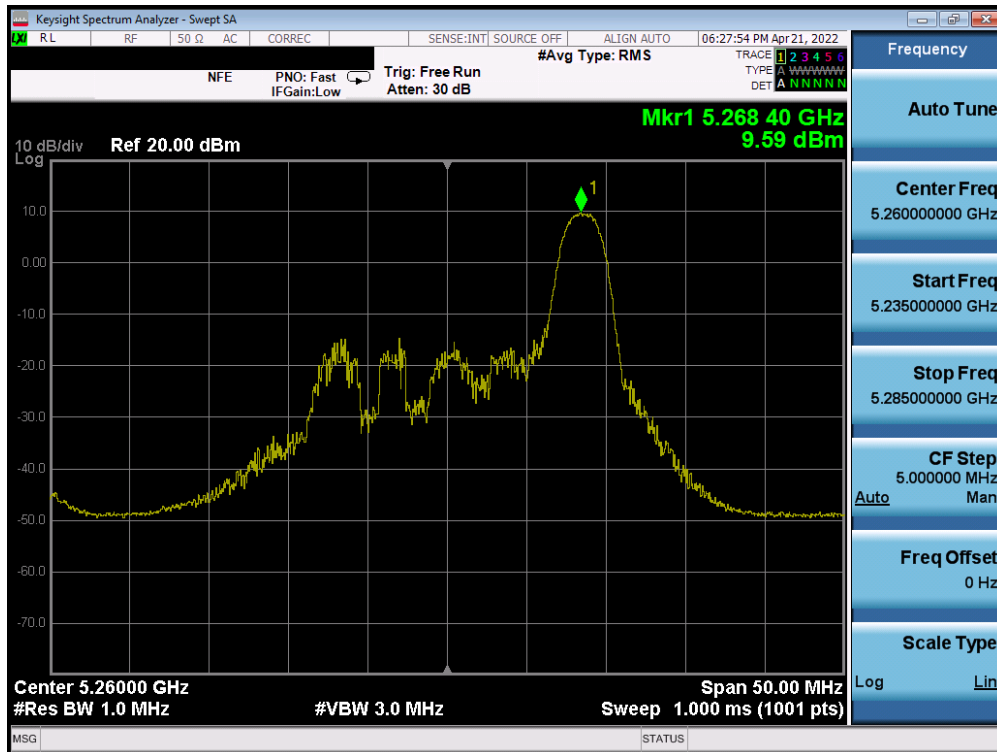


Plot 7-123. Power Spectral Density Plot SISO ANT1 (160MHz [L] BW 802.11ax – 26 Tones (UNII Band 1/2A) – Ch. 50)

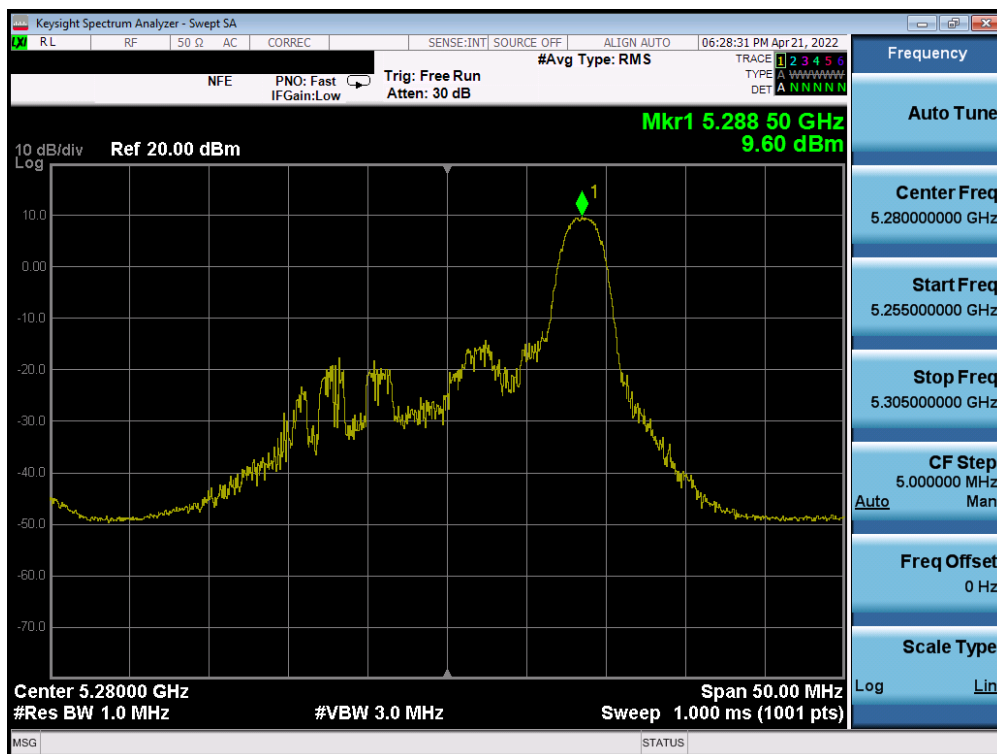


Plot 7-124. Power Spectral Density Plot SISO ANT1 (160MHz [U] BW 802.11ax – 26 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 119 of 309

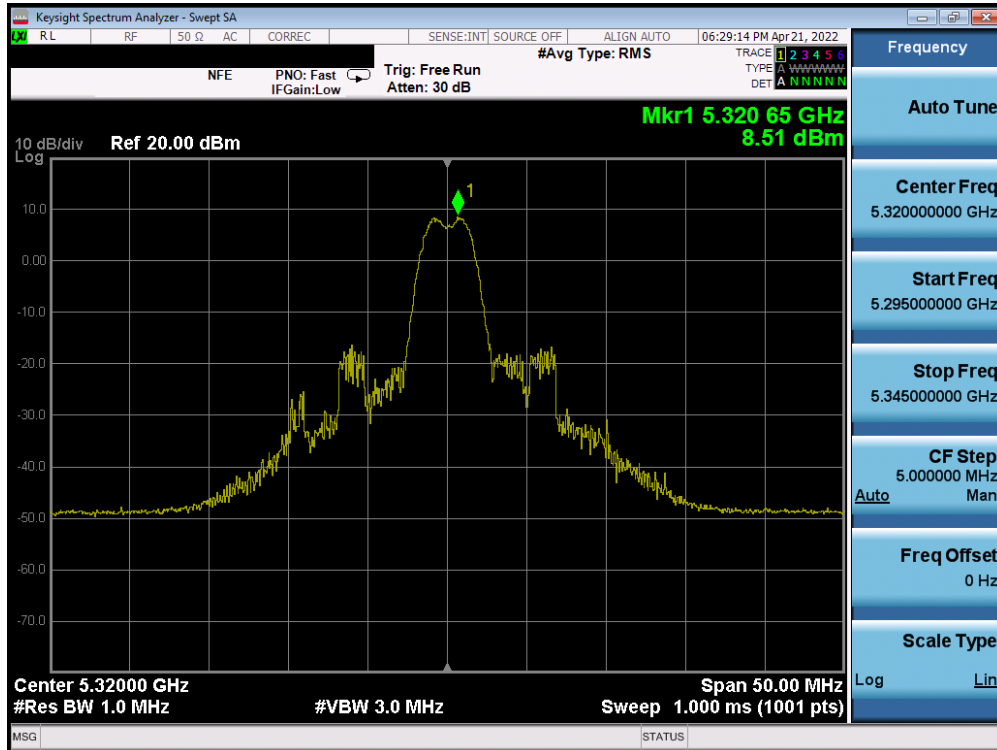


Plot 7-125. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 52)

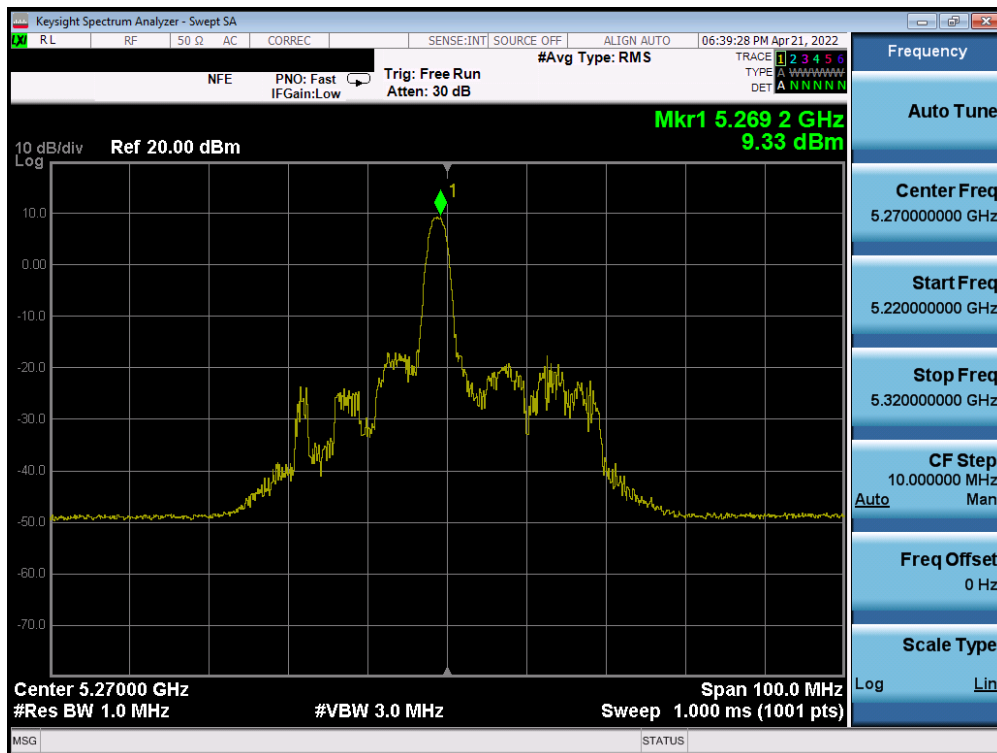


Plot 7-126. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 56)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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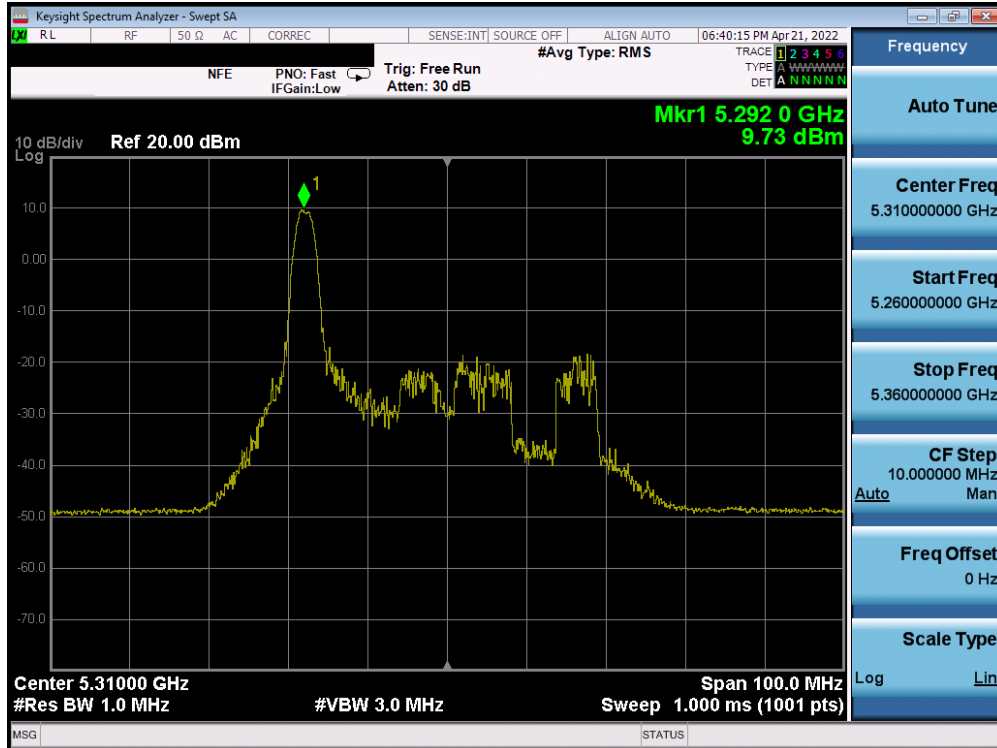


Plot 7-127. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 64)

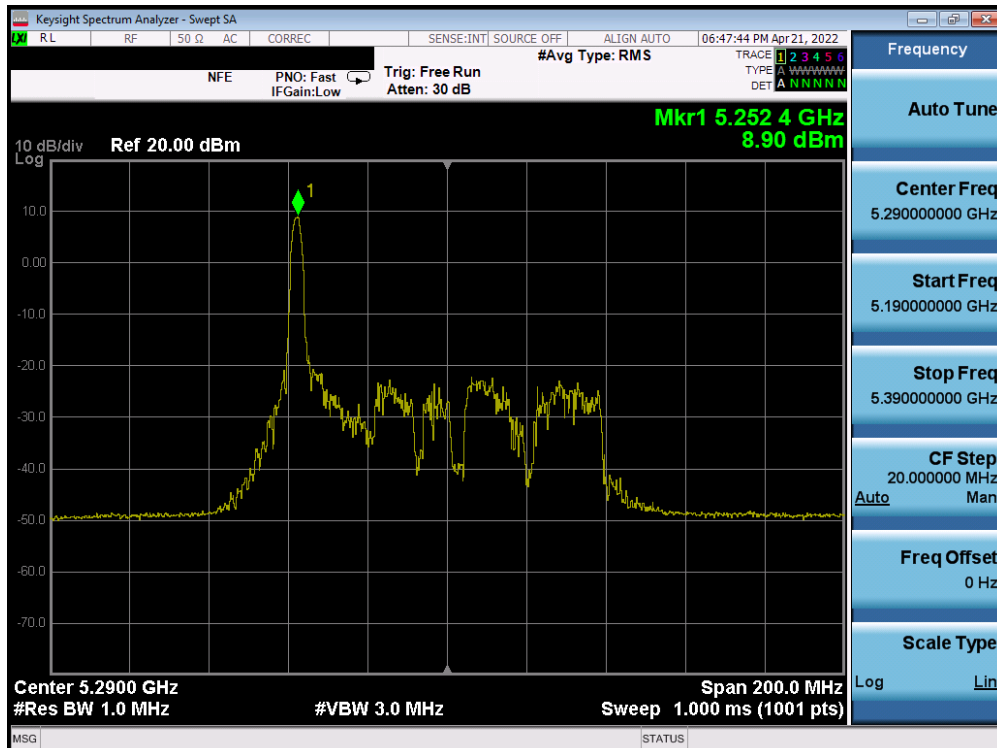


Plot 7-128. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 54)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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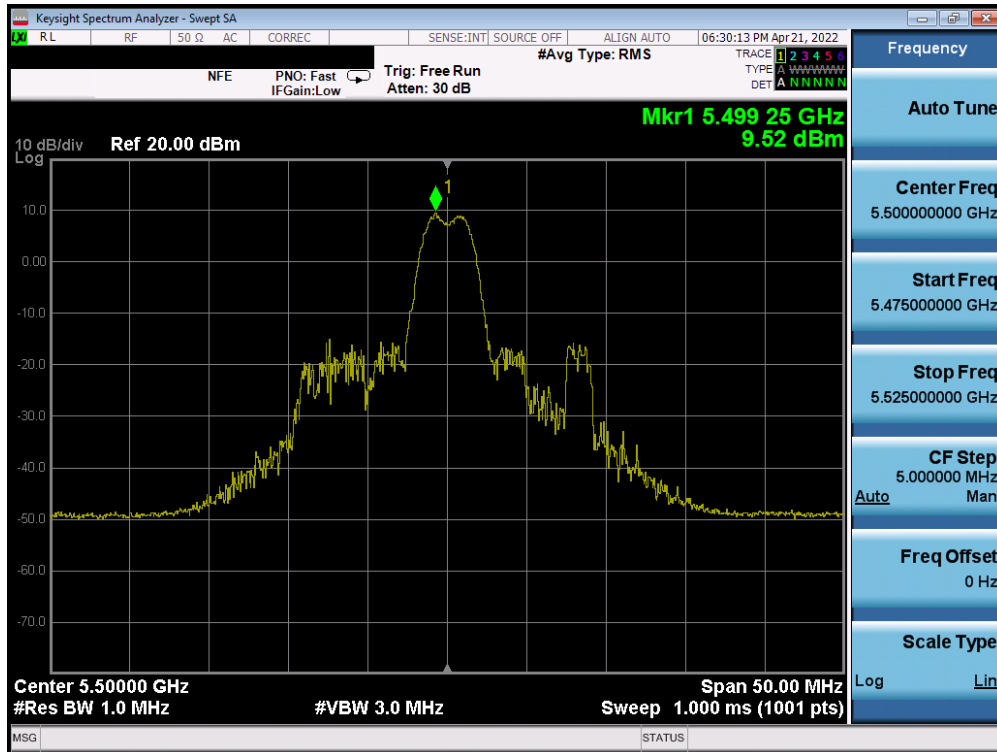


Plot 7-129. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 62)

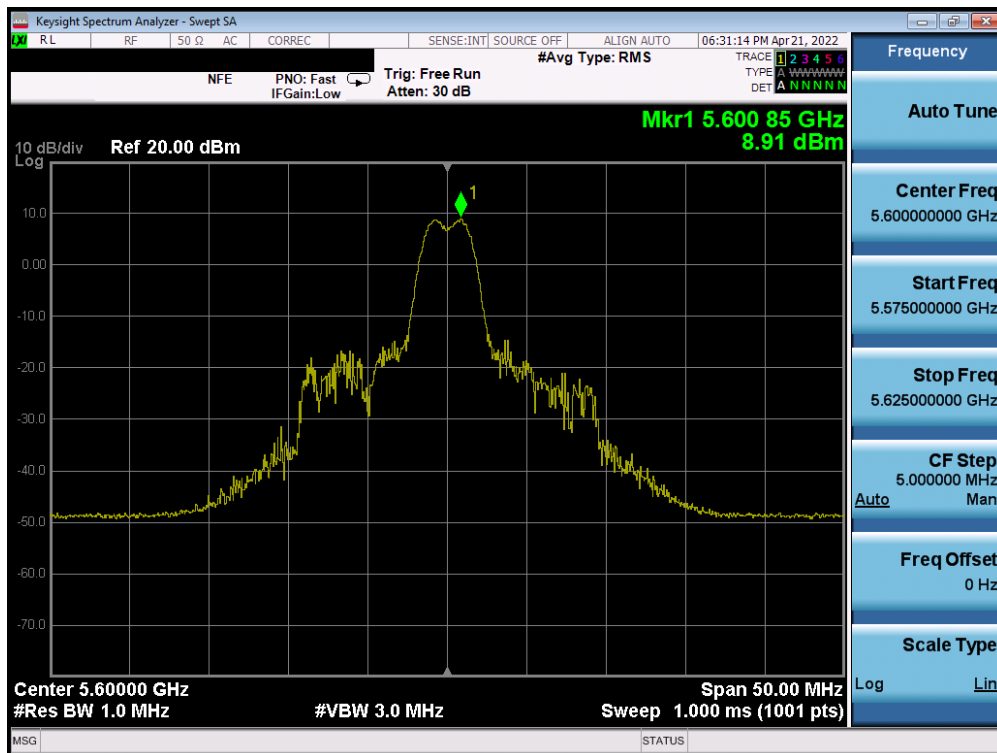


Plot 7-130. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 58)

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 122 of 309	

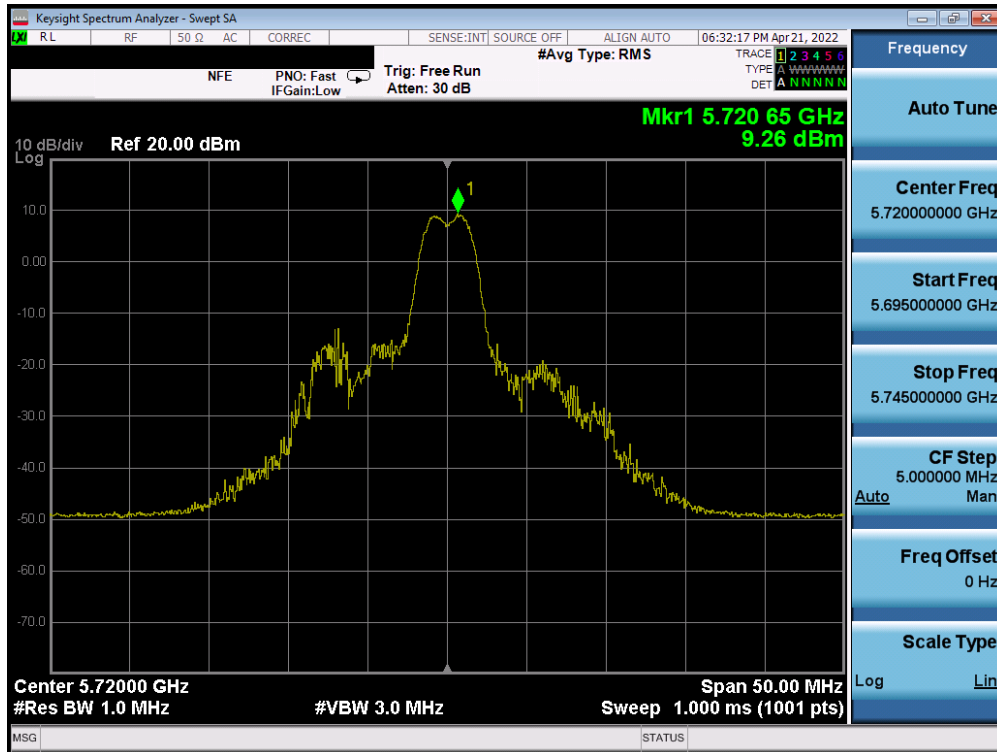


Plot 7-131. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)

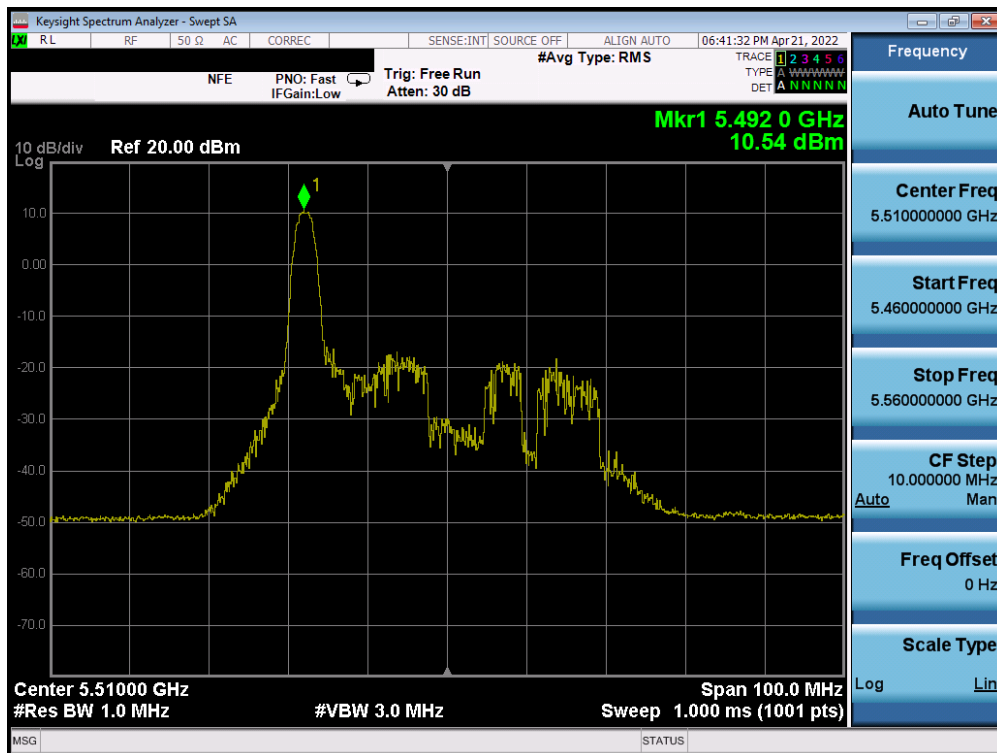


Plot 7-132. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 123 of 309

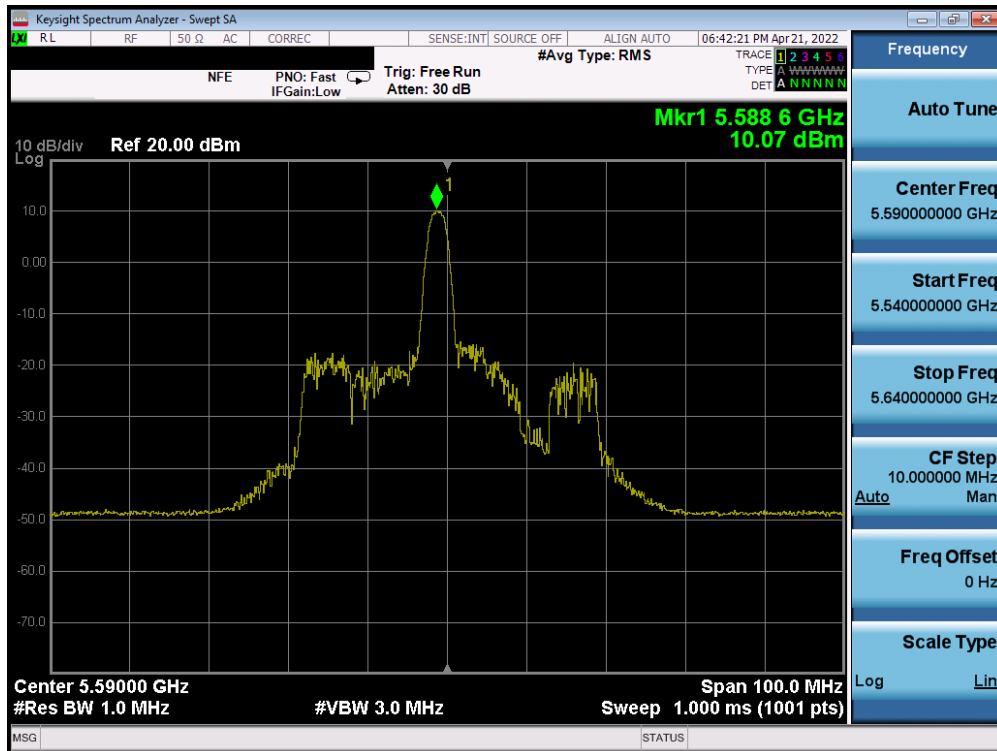


Plot 7-133. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 144)

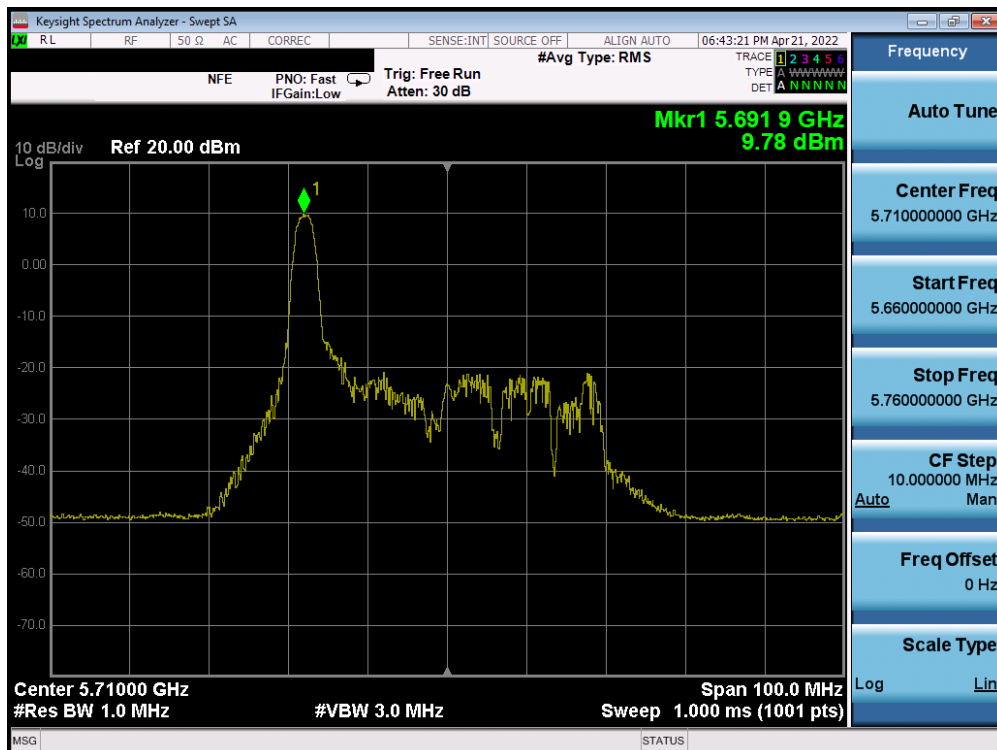


Plot 7-134. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 102)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 124 of 309

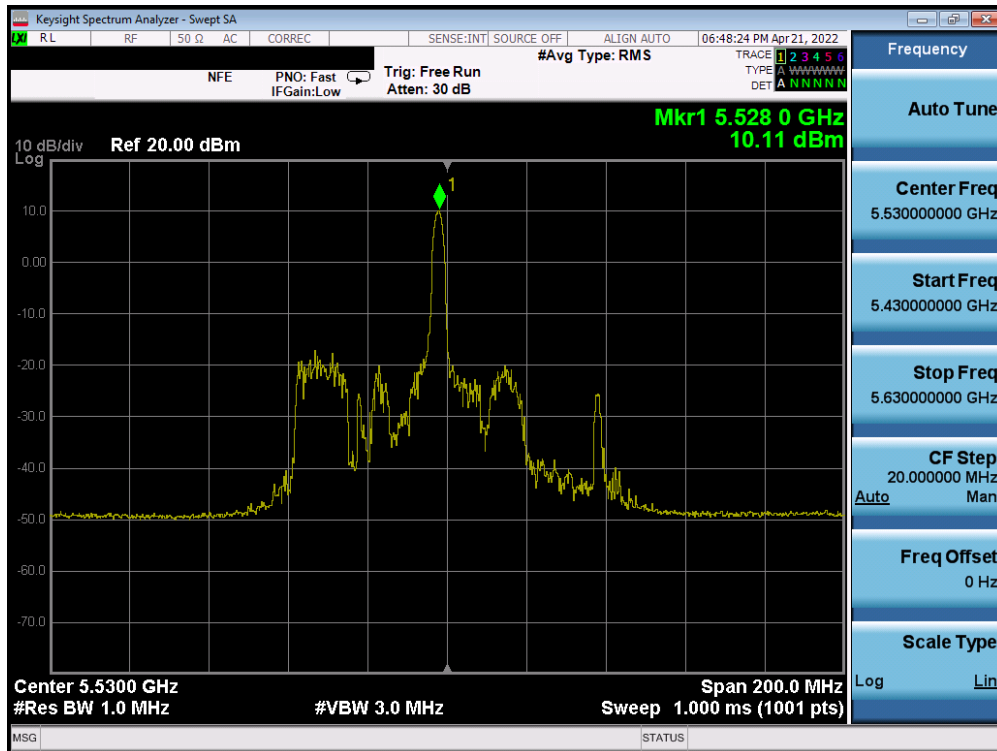


Plot 7-135. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 118)

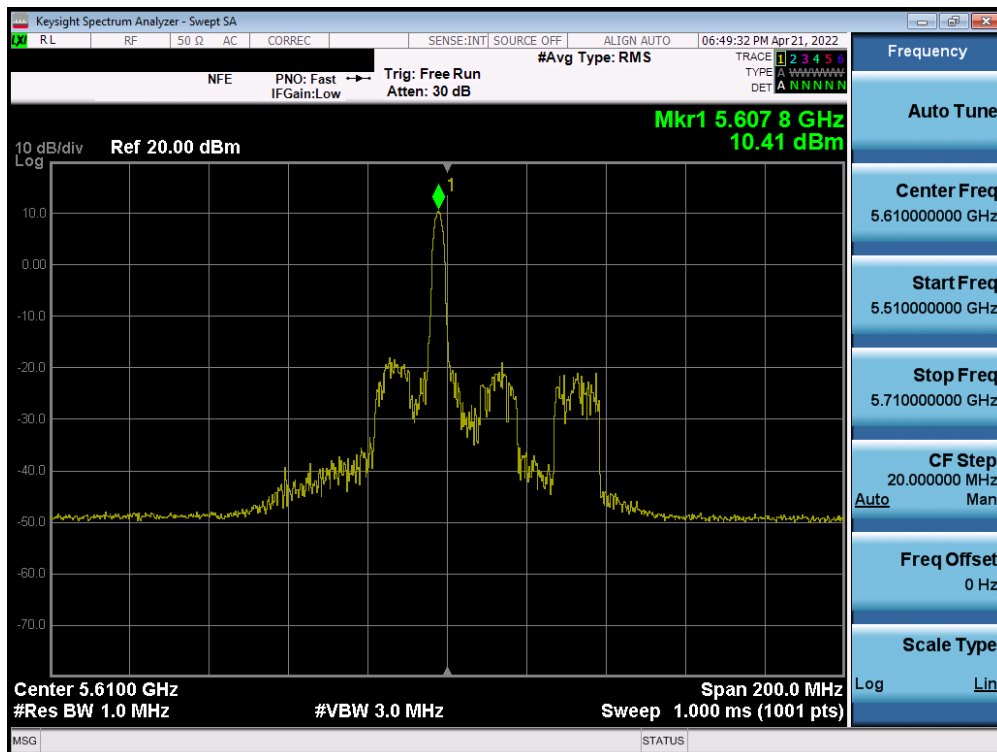


Plot 7-136. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 142)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 125 of 309

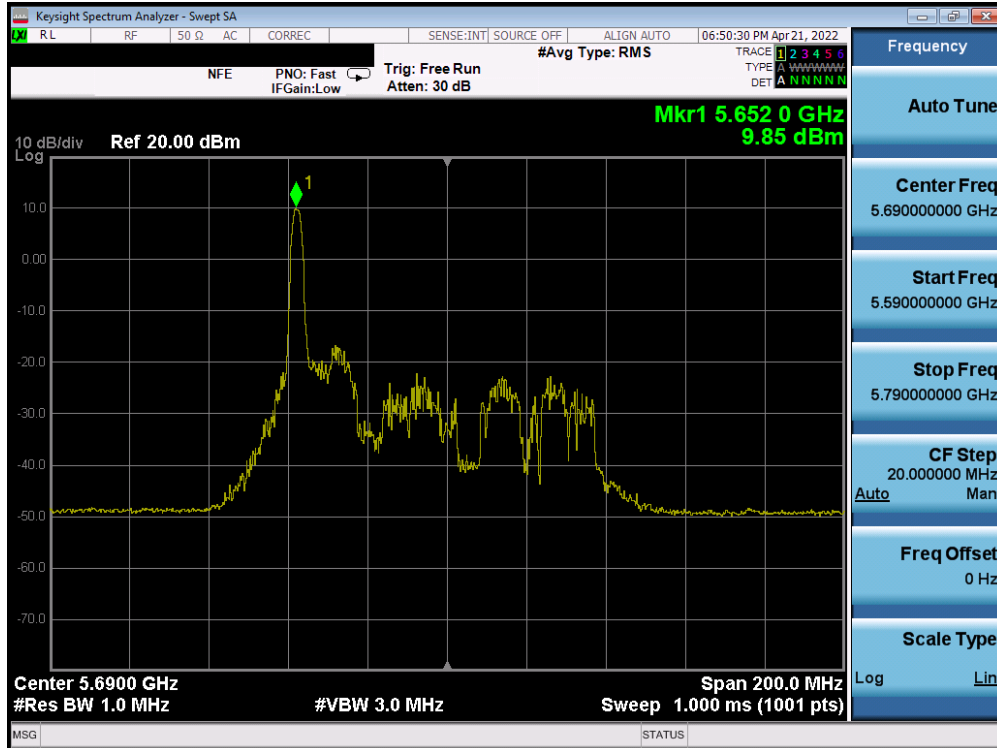


Plot 7-137. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 106)

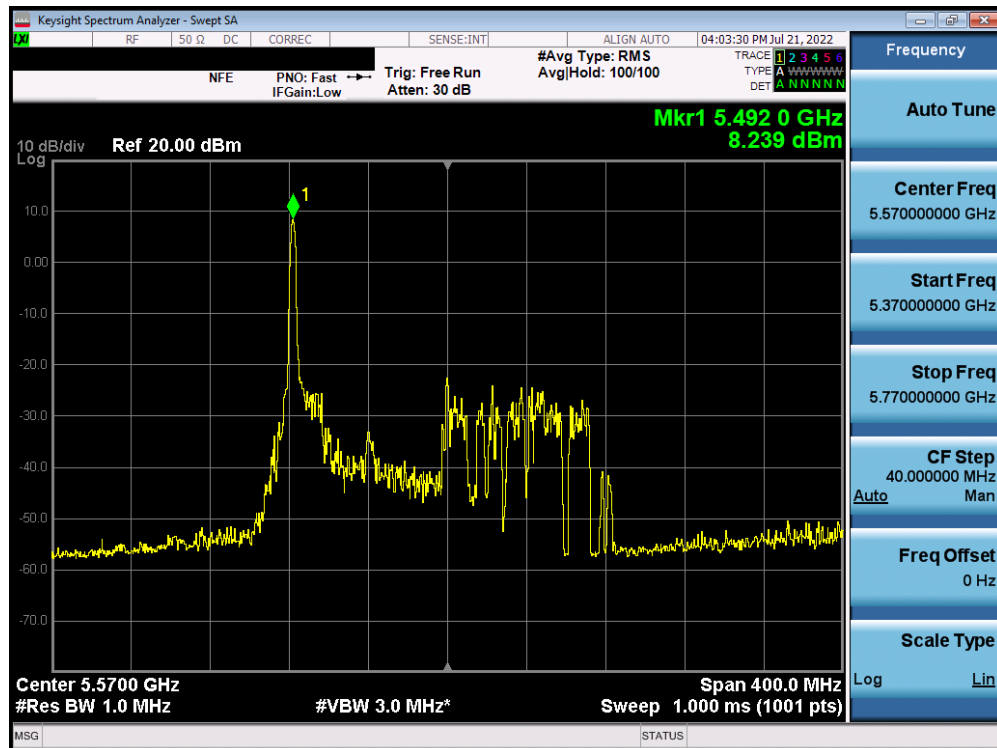


Plot 7-138. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 122)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 126 of 309

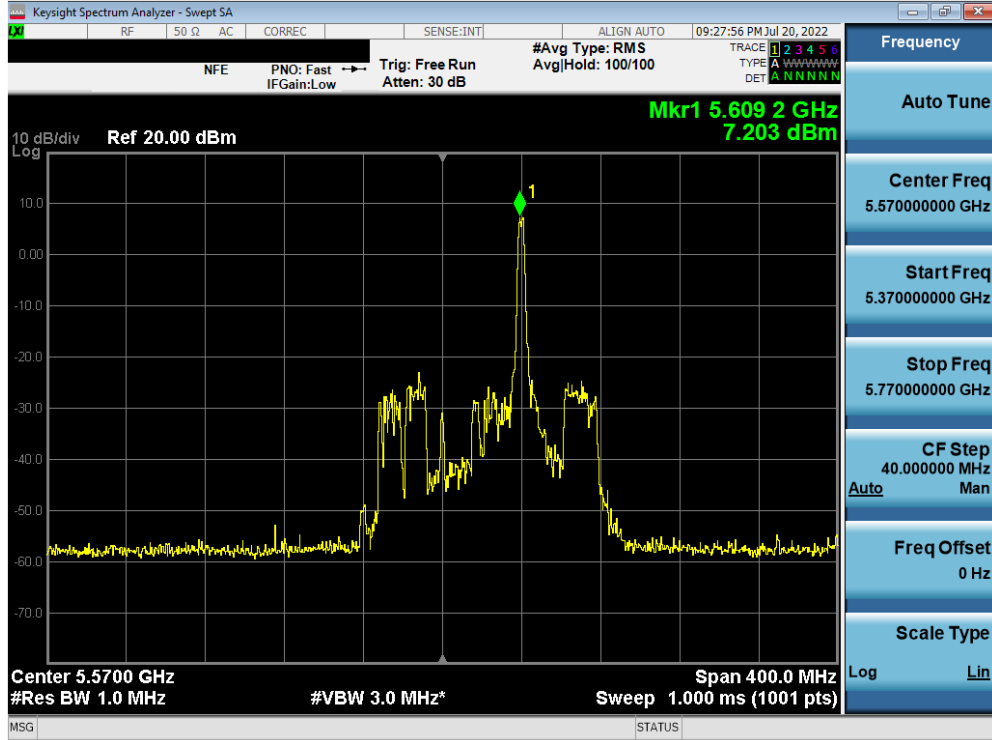


Plot 7-139. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 138)



Plot 7-140. Power Spectral Density Plot SISO ANT1 (160MHz [L] BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 114)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 127 of 309



Plot 7-141. Power Spectral Density Plot SISO ANT1 (160MHz [U] BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 114)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 128 of 309

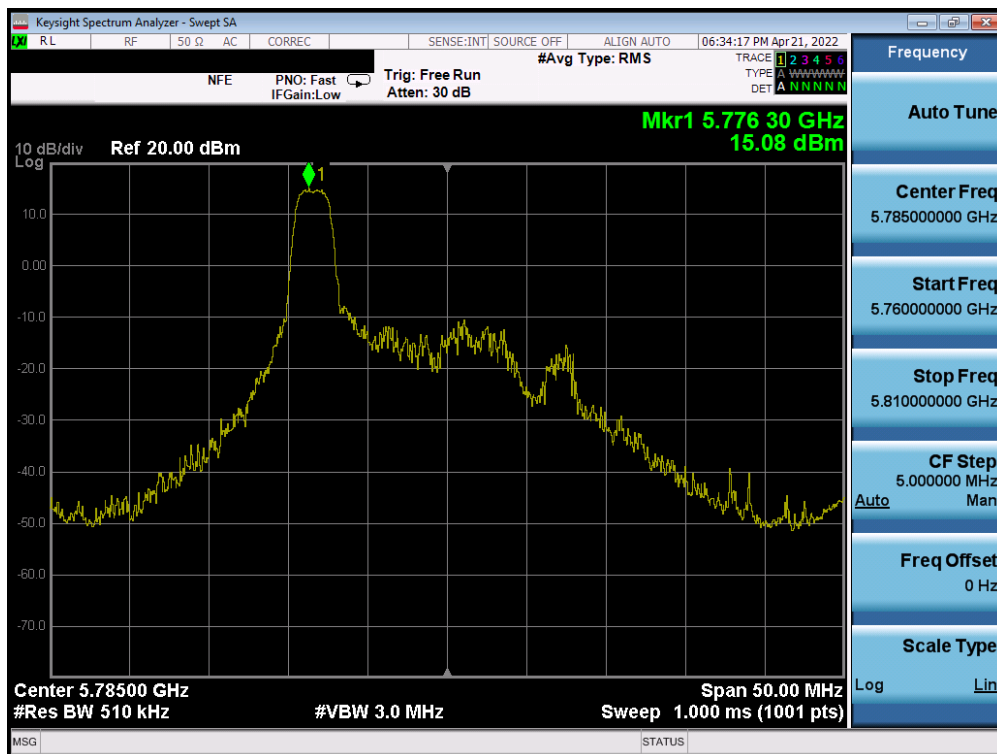
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	26T	MCS0	15.18	30.00	-14.82
	5785	157	ax (20MHz)	26T	MCS0	15.08	30.00	-14.92
	5825	165	ax (20MHz)	26T	MCS0	14.70	30.00	-15.30
	5755	151	ax (40MHz)	26T	MCS0	14.79	30.00	-15.21
	5795	159	ax (40MHz)	26T	MCS0	14.81	30.00	-15.19
	5775	155	ax (80MHz)	26T	MCS0	14.61	30.00	-15.39

Table 7-95. Band 3 Conducted Power Spectral Density Measurements SISO ANT1 (26 Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 129 of 309

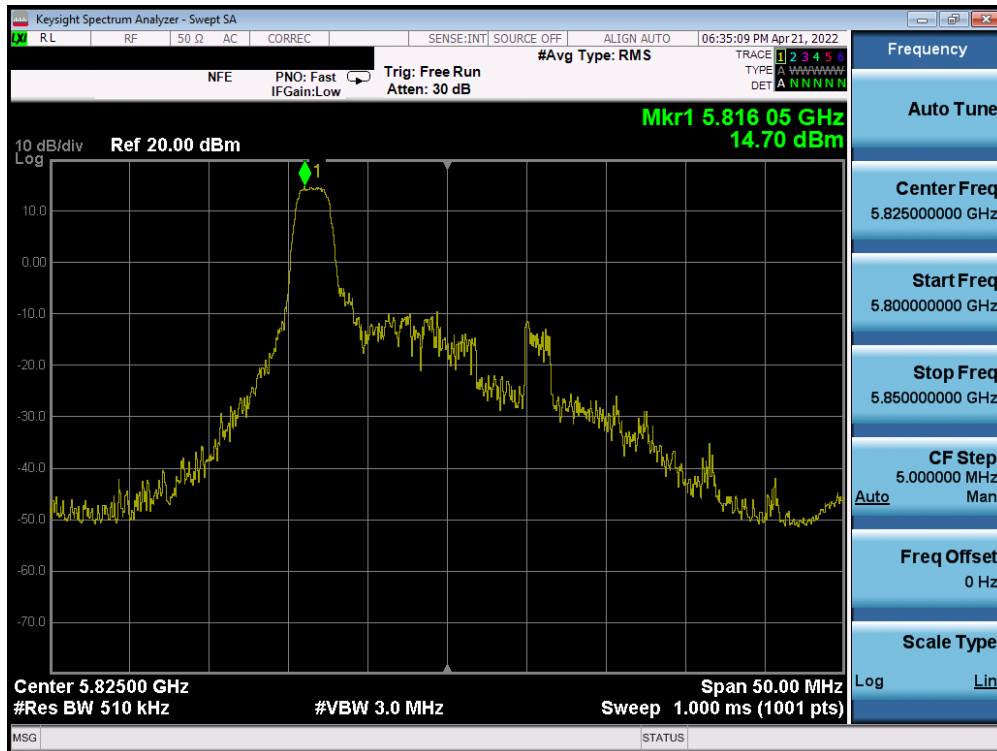


Plot 7-142. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

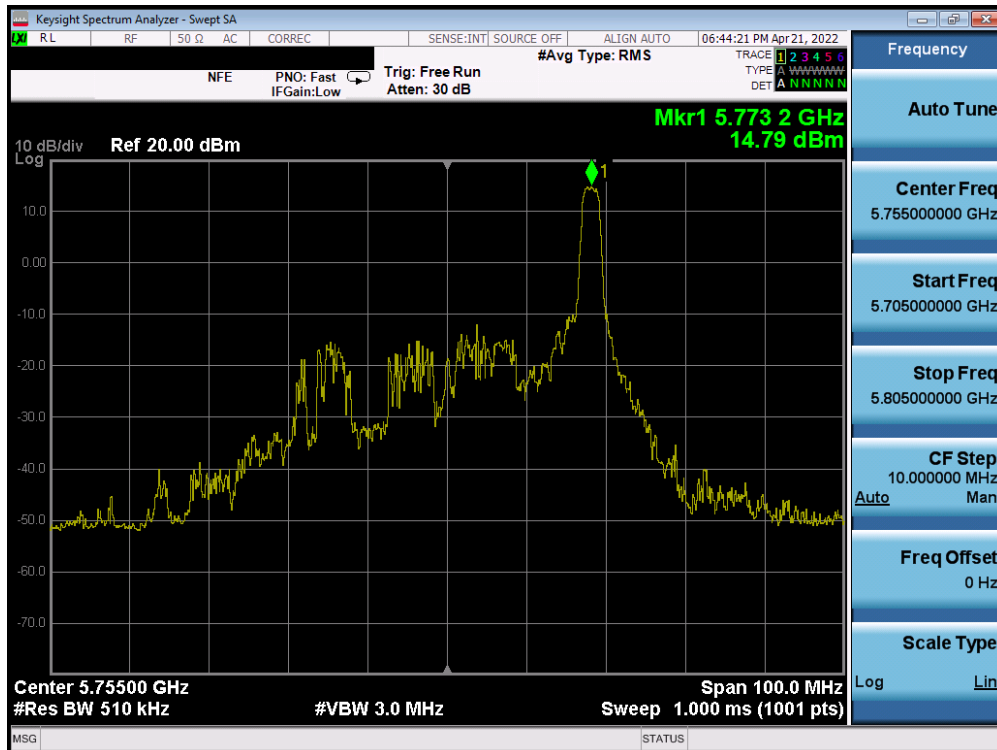


Plot 7-143. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 130 of 309



Plot 7-144. Power Spectral Density Plot SISO ANT1 (20 MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

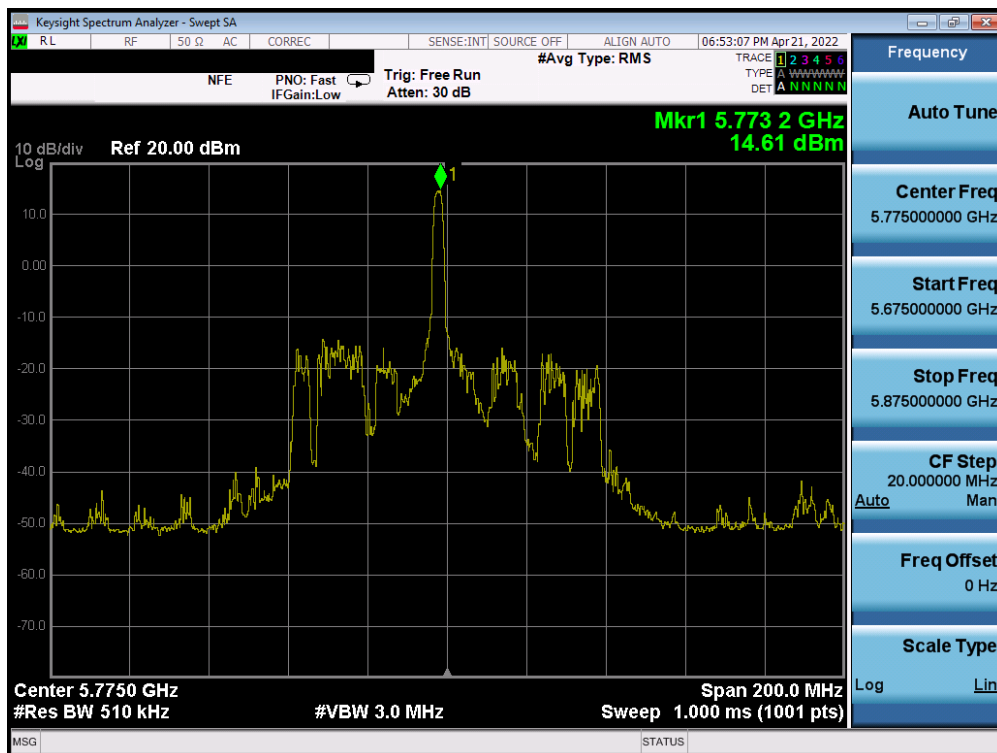


Plot 7-145. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 131 of 309



Plot 7-146. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)



Plot 7-147. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

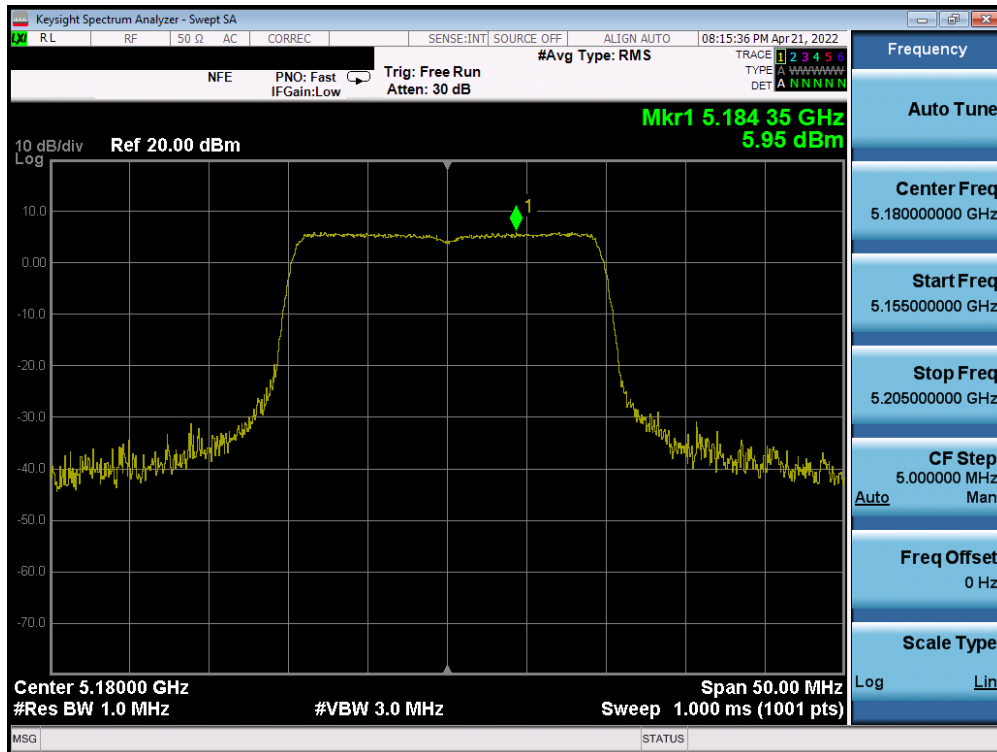
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 132 of 309

SISO Antenna-1 Power Spectral Density Measurements (Full Tones)

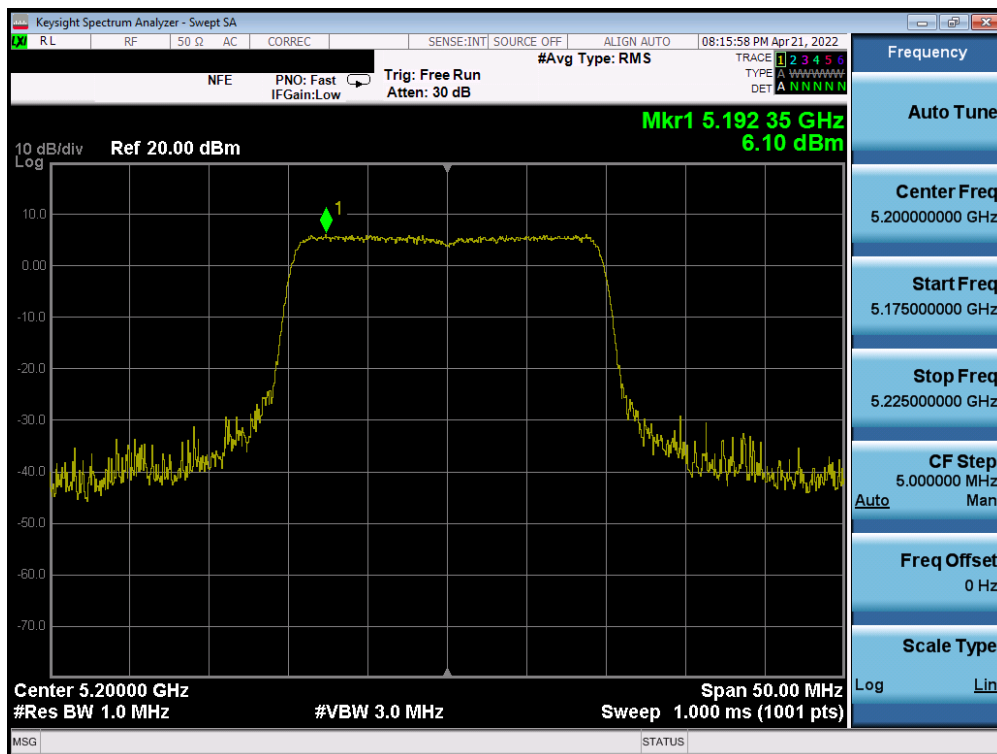
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242T	MCS0	5.95	11.0	-5.05
	5200	40	ax (20MHz)	242T	MCS0	6.10	11.0	-4.90
	5240	48	ax (20MHz)	242T	MCS0	5.52	11.0	-5.48
	5190	38	ax (40MHz)	484T	MCS0	2.49	11.0	-8.51
	5230	46	ax (40MHz)	484T	MCS0	2.77	11.0	-8.23
	5210	42	ax (80MHz)	996T	MCS0	-0.63	11.0	-11.63
Band 1/2A	5250	50	ax (160MHz)	996T	MCS0	-7.15	11.0	-18.15
Band 2A	5260	52	ax (20MHz)	242T	MCS0	9.93	11.0	-1.07
	5280	56	ax (20MHz)	242T	MCS0	9.78	11.0	-1.22
	5320	64	ax (20MHz)	242T	MCS0	9.65	11.0	-1.35
	5270	54	ax (40MHz)	484T	MCS0	5.38	11.0	-5.62
	5310	62	ax (40MHz)	484T	MCS0	3.73	11.0	-7.27
	5290	58	ax (80MHz)	996T	MCS0	0.11	11.0	-10.89
Band 2C	5500	100	ax (20MHz)	242T	MCS0	9.79	11.0	-1.21
	5600	120	ax (20MHz)	242T	MCS0	9.48	11.0	-1.52
	5720	144	ax (20MHz)	242T	MCS0	9.54	11.0	-1.46
	5510	102	ax (40MHz)	484T	MCS0	3.88	11.0	-7.13
	5590	118	ax (40MHz)	484T	MCS0	5.34	11.0	-5.67
	5710	142	ax (40MHz)	484T	MCS0	5.30	11.0	-5.71
	5530	106	ax (80MHz)	996T	MCS0	-1.03	11.0	-12.03
	5610	122	ax (80MHz)	996T	MCS0	2.06	11.0	-8.94
	5690	138	ax (80MHz)	996T	MCS0	1.63	11.0	-9.37
	5570	114	ax (160MHz)	996T	MCS0	-7.28	11.0	-18.28

Table 7-96. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO ANT1 (Full Tones)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 133 of 309

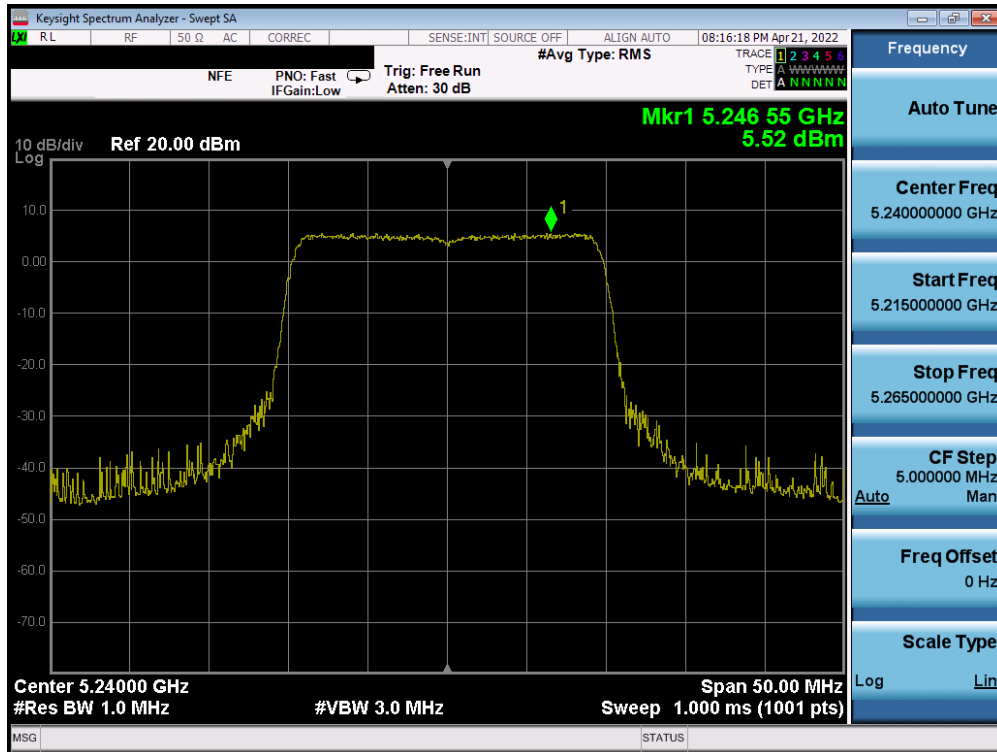


Plot 7-148. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 36)

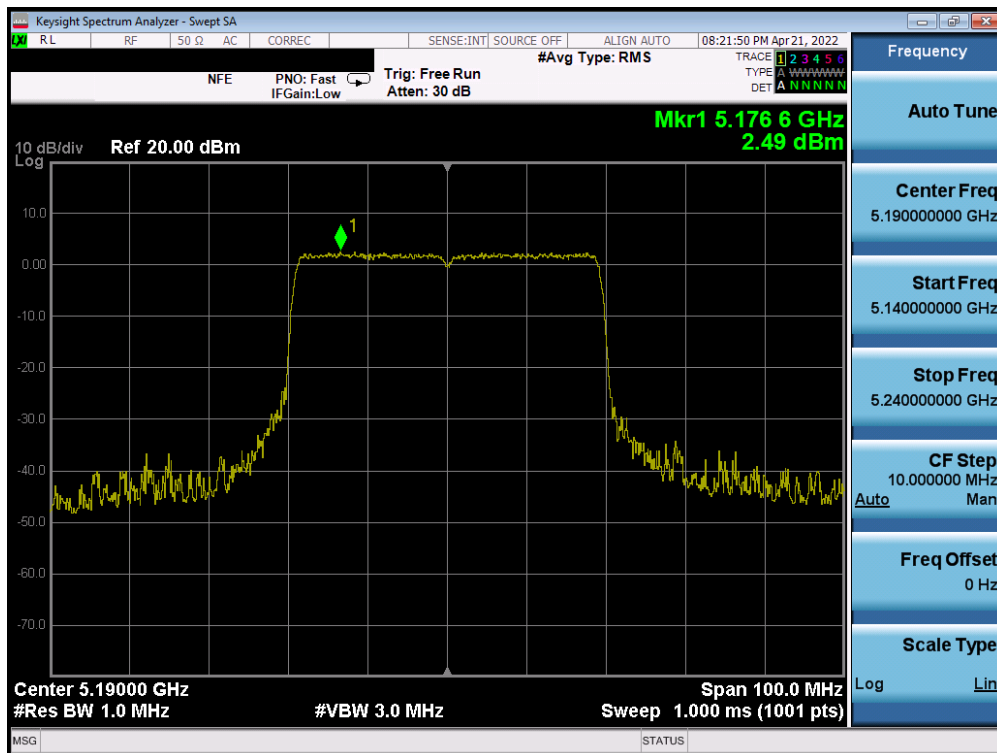


Plot 7-149. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 40)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 134 of 309

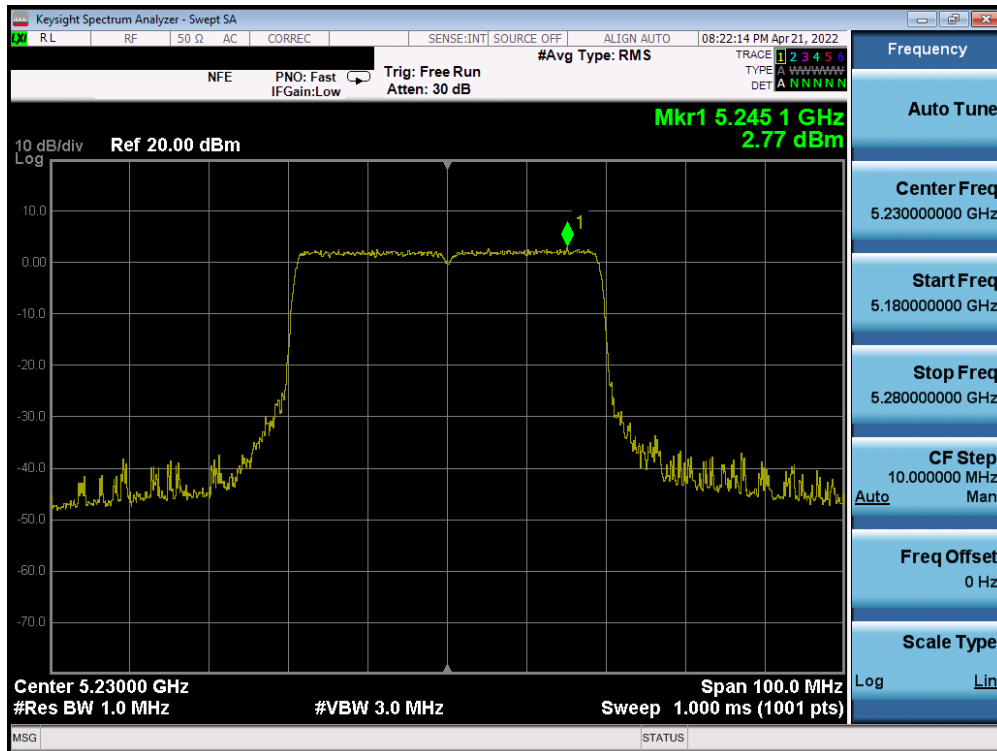


Plot 7-150. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 48)

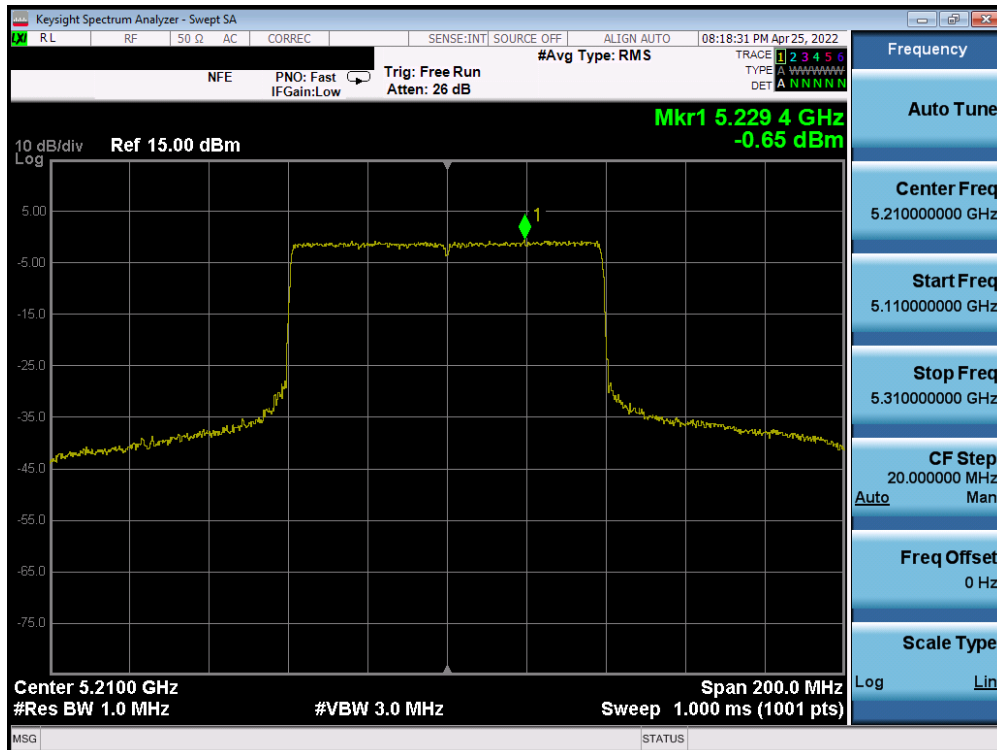


Plot 7-151. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 38)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 135 of 309

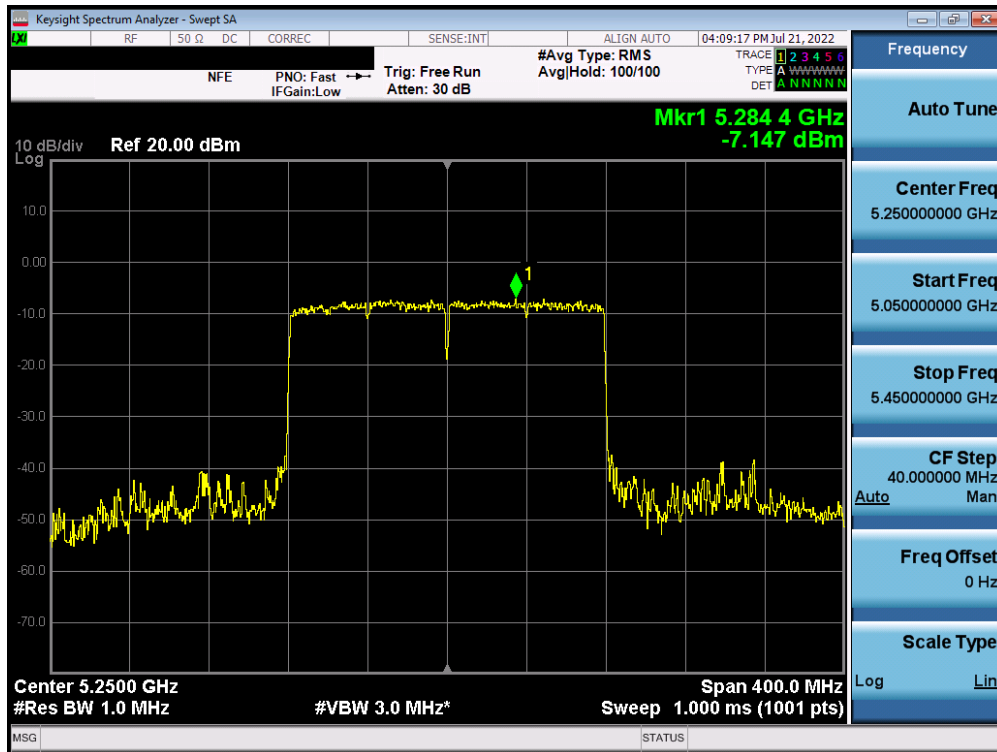


Plot 7-152. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 46)

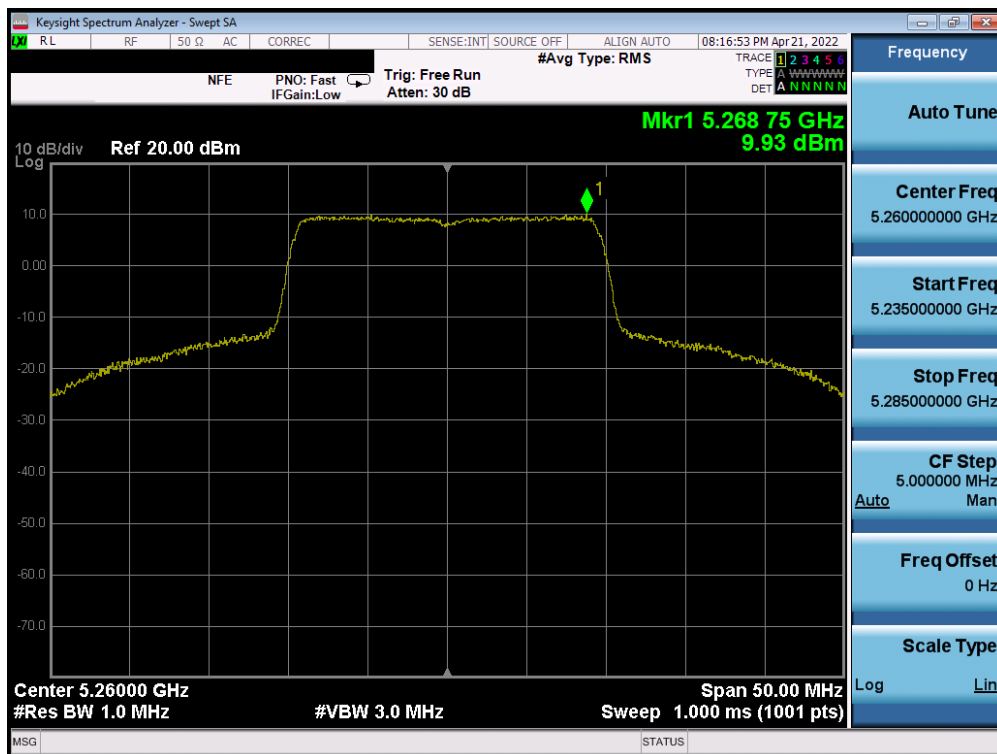


Plot 7-153. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 42)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 136 of 309

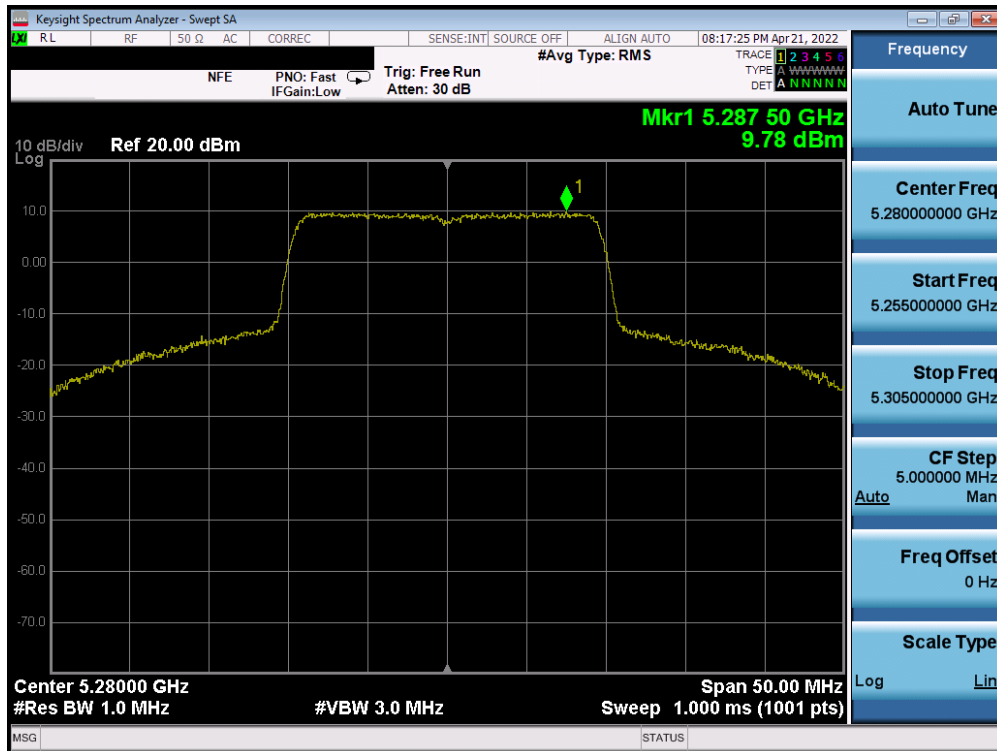


Plot 7-154. Power Spectral Density Plot SISO ANT1 (160MHz BW 802.11ax – Full Tones (UNII Band 1/2A) – Ch. 50)

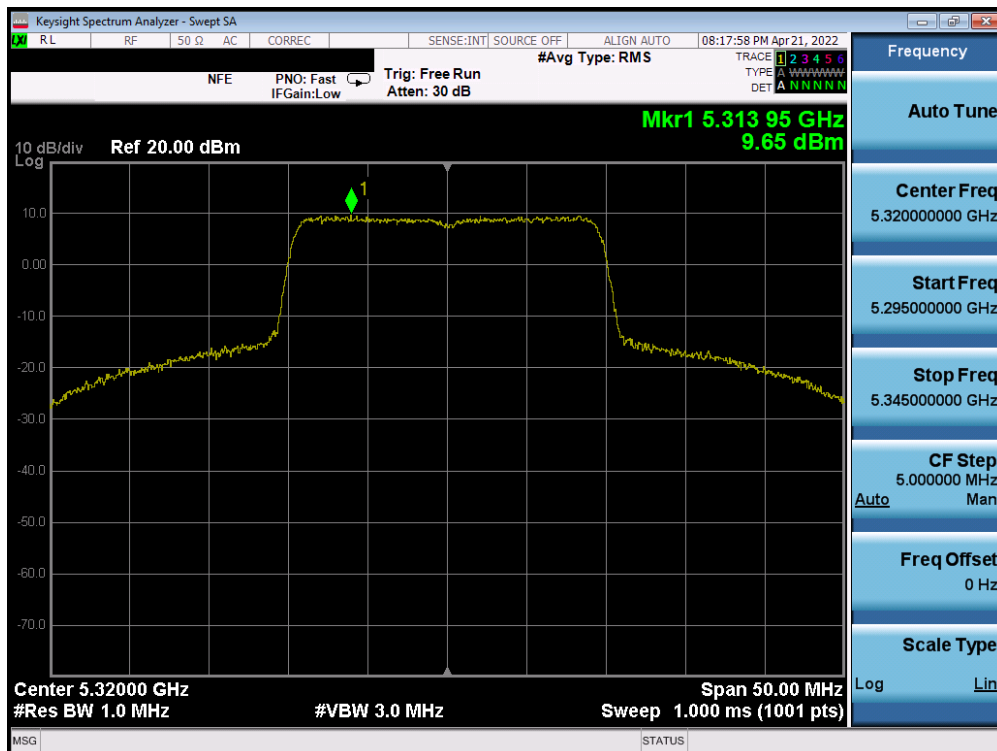


Plot 7-155. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 52)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 137 of 309

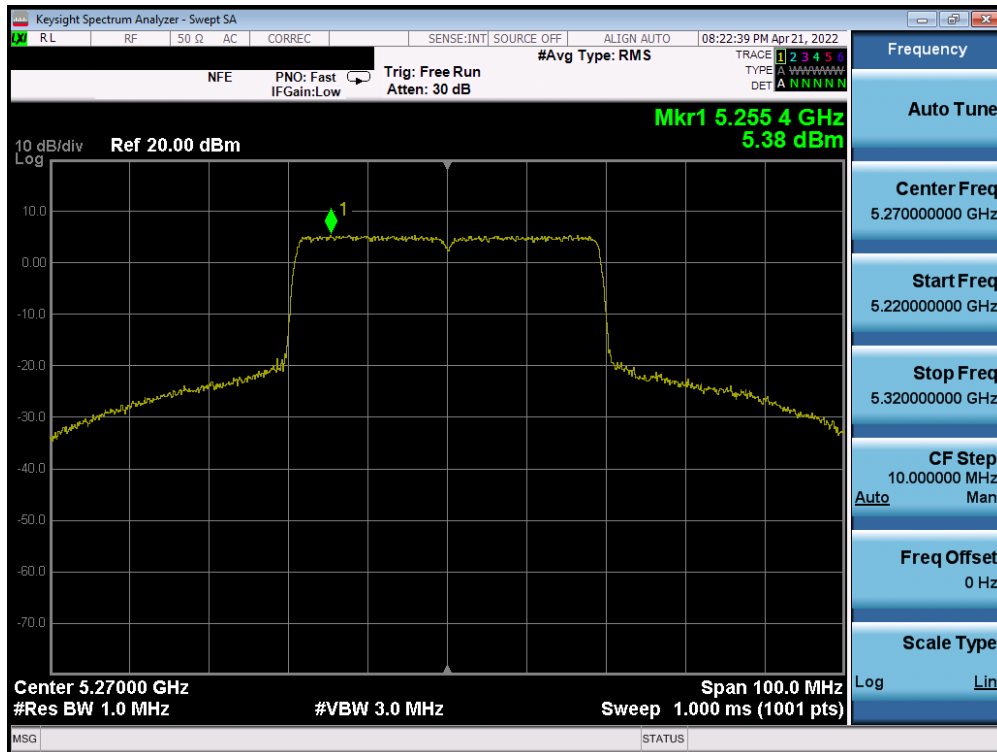


Plot 7-156. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 56)

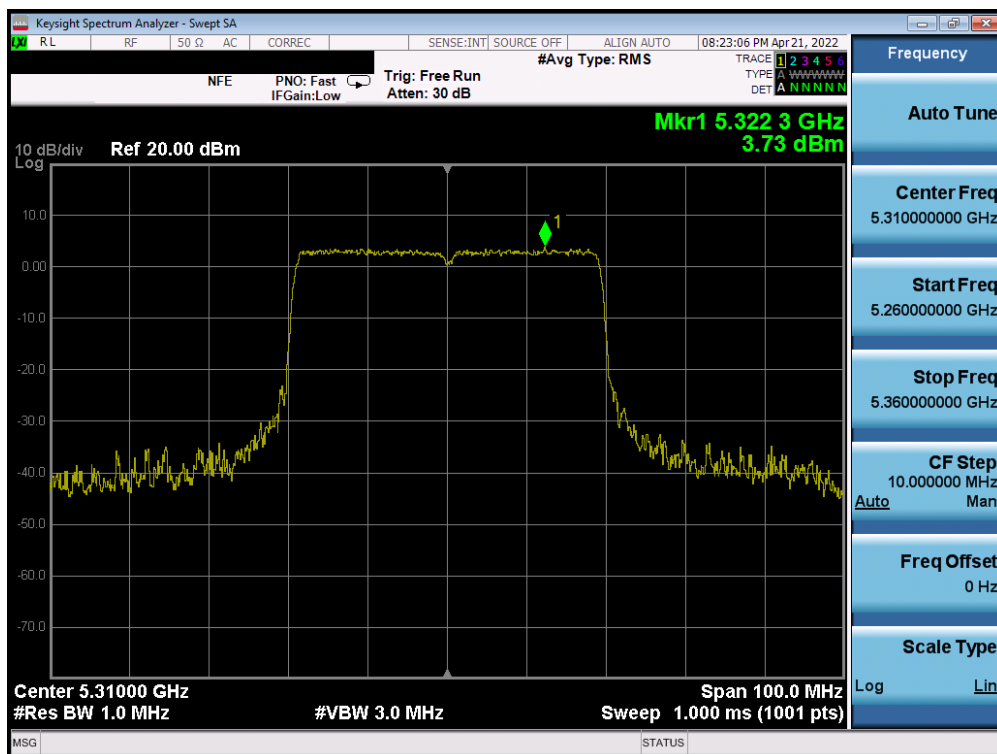


Plot 7-157. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 64)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 138 of 309

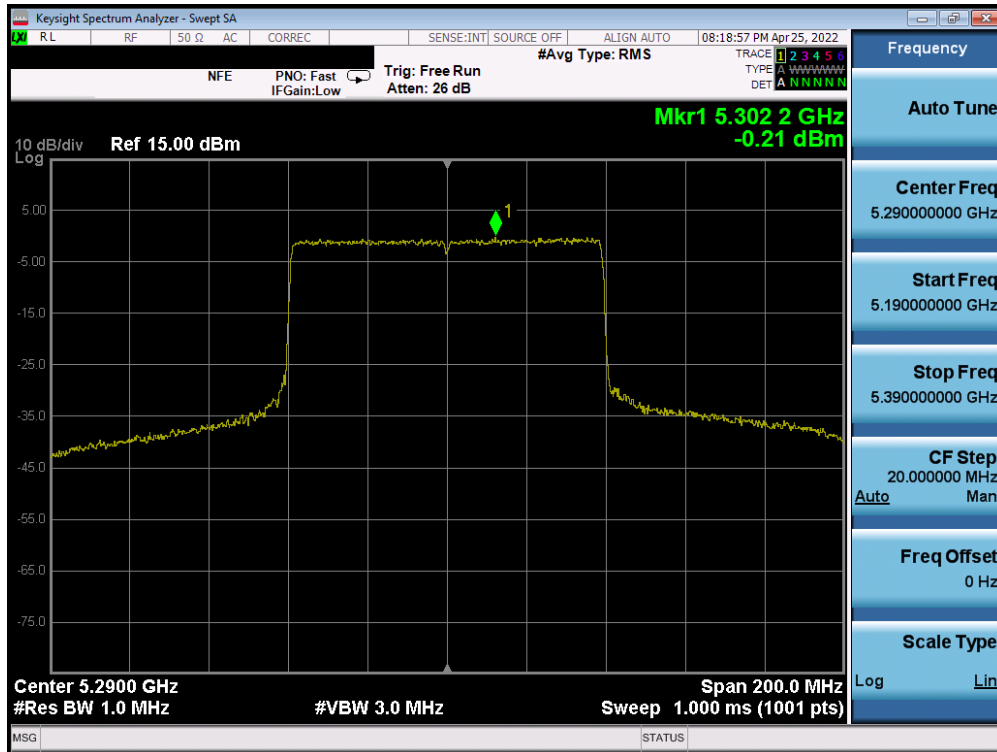


Plot 7-158. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 54)

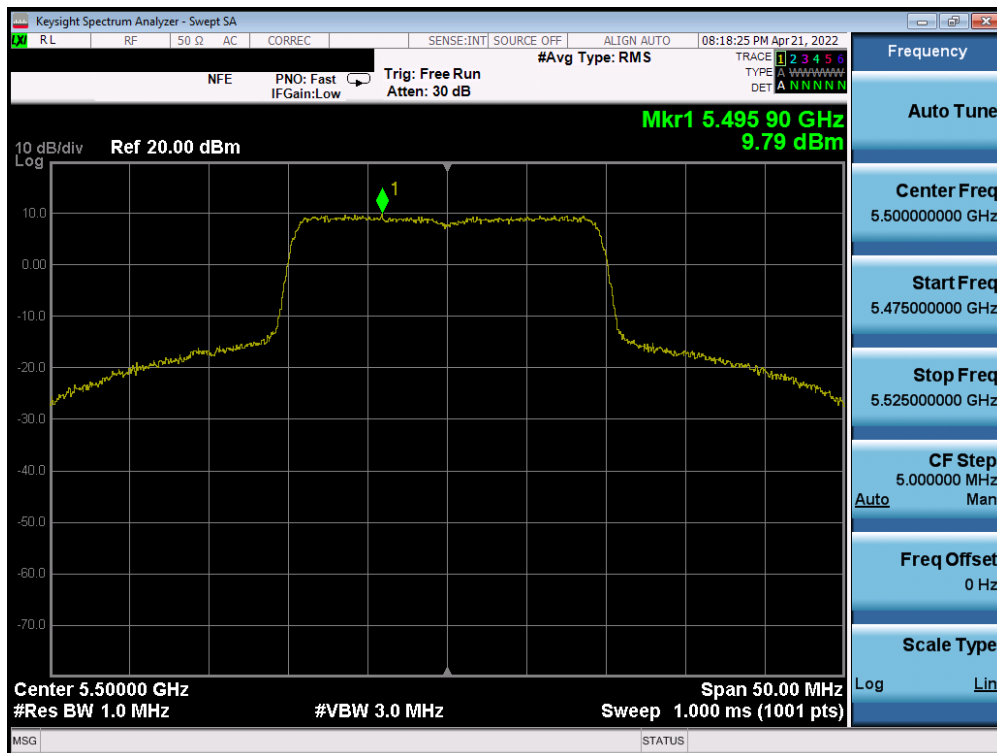


Plot 7-159. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 62)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 139 of 309

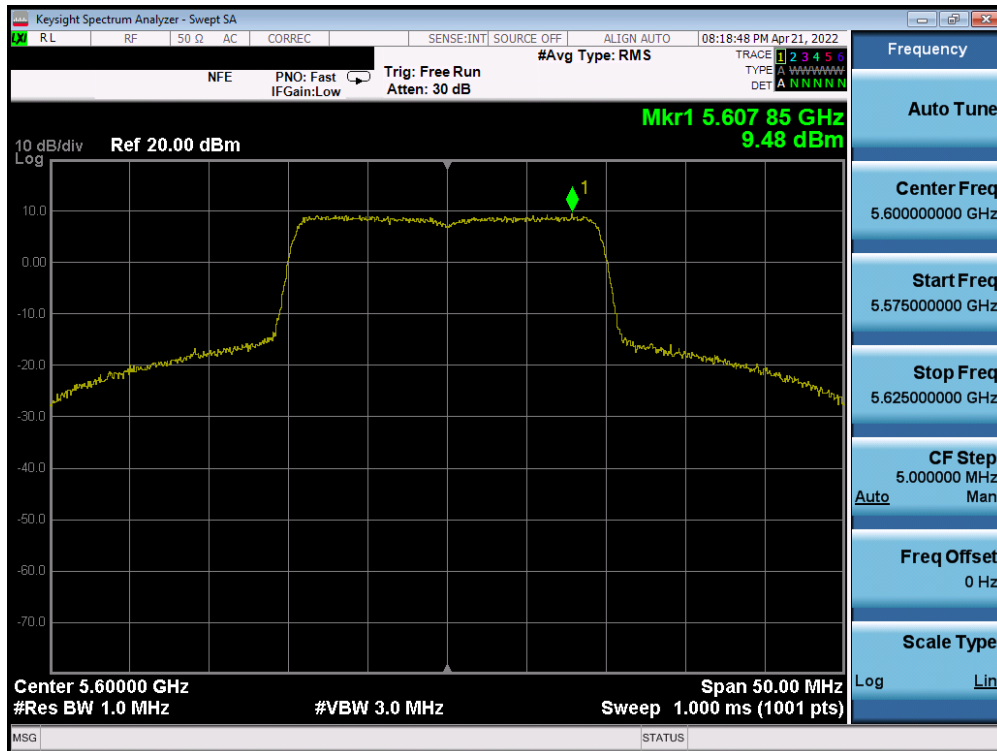


Plot 7-160. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 58)

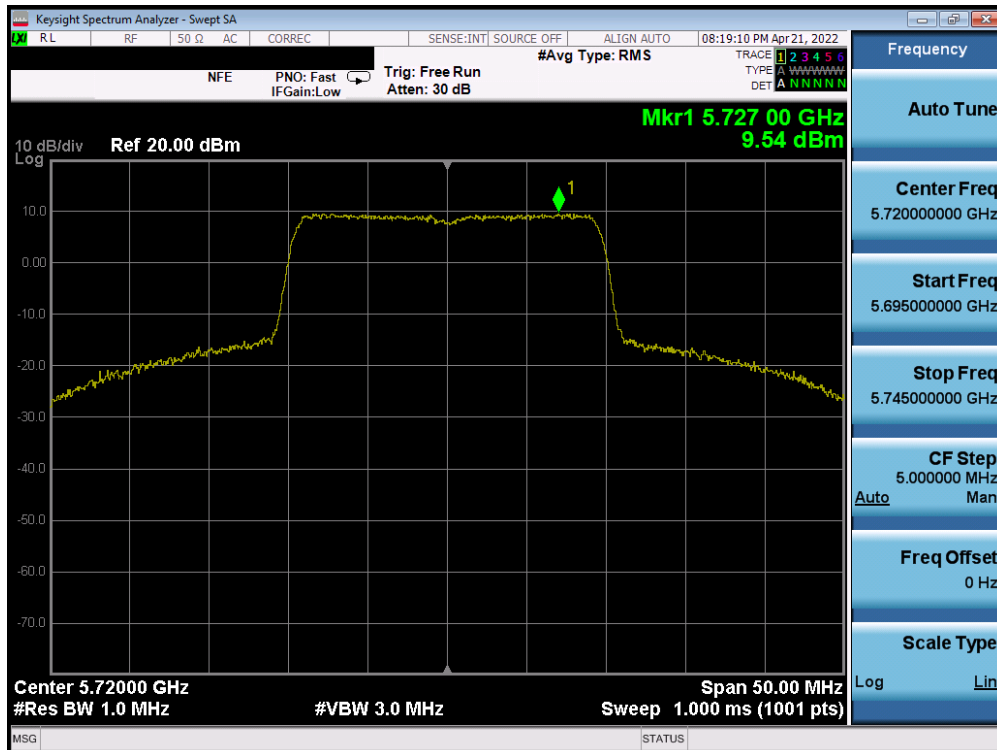


Plot 7-161. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 100)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 140 of 309

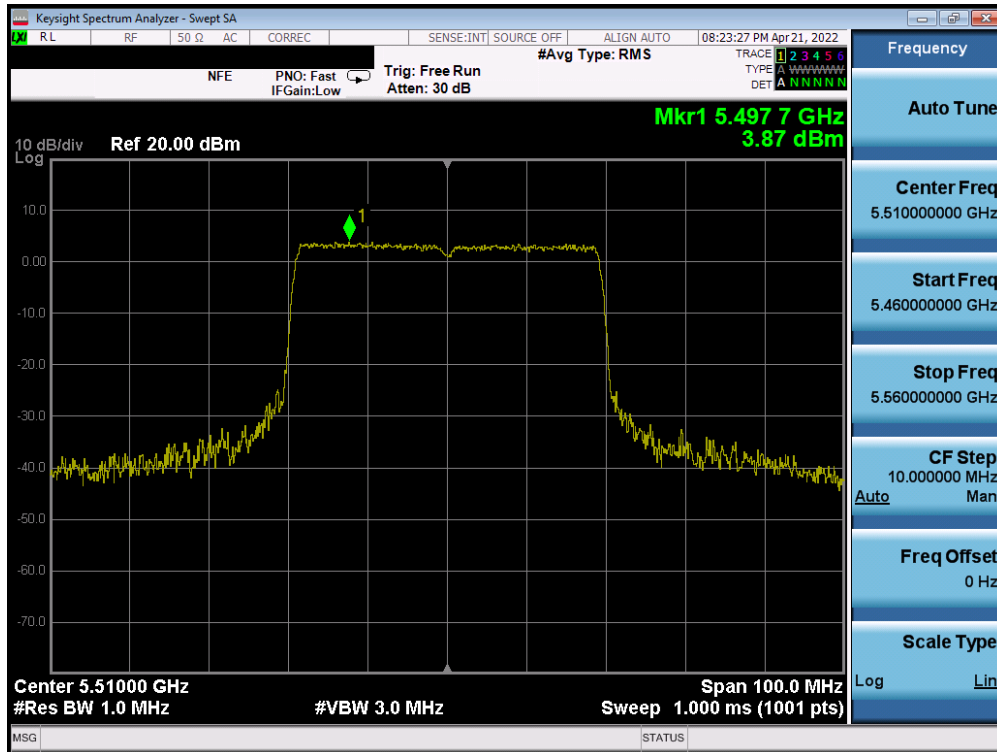


Plot 7-162. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 120)

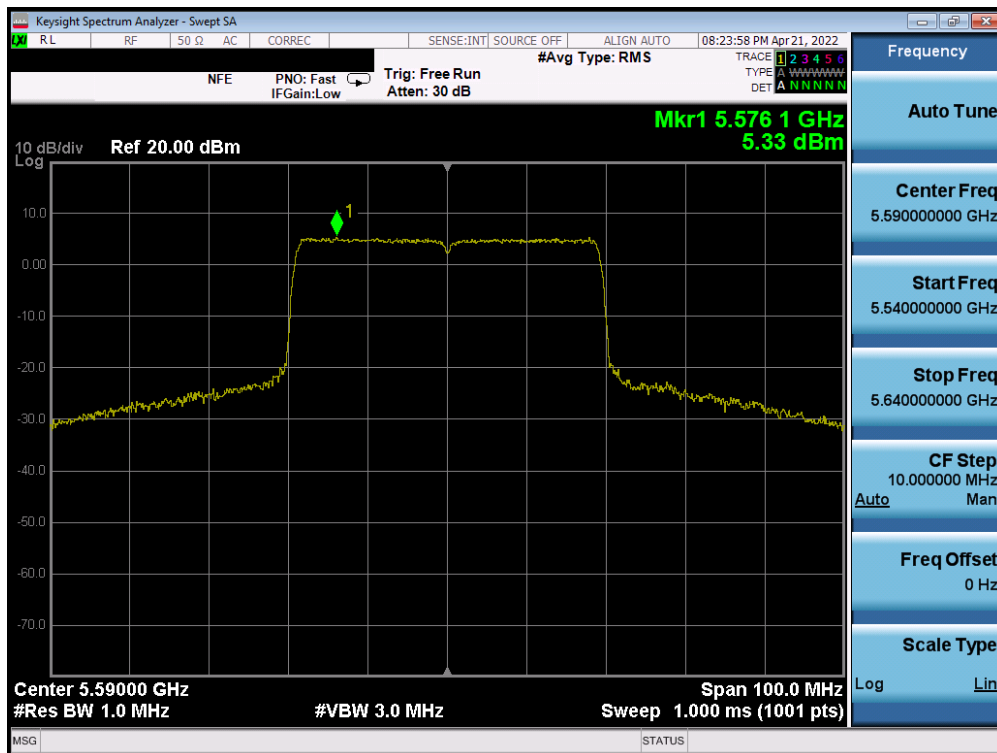


Plot 7-163. Power Spectral Density Plot SISO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 144)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 141 of 309

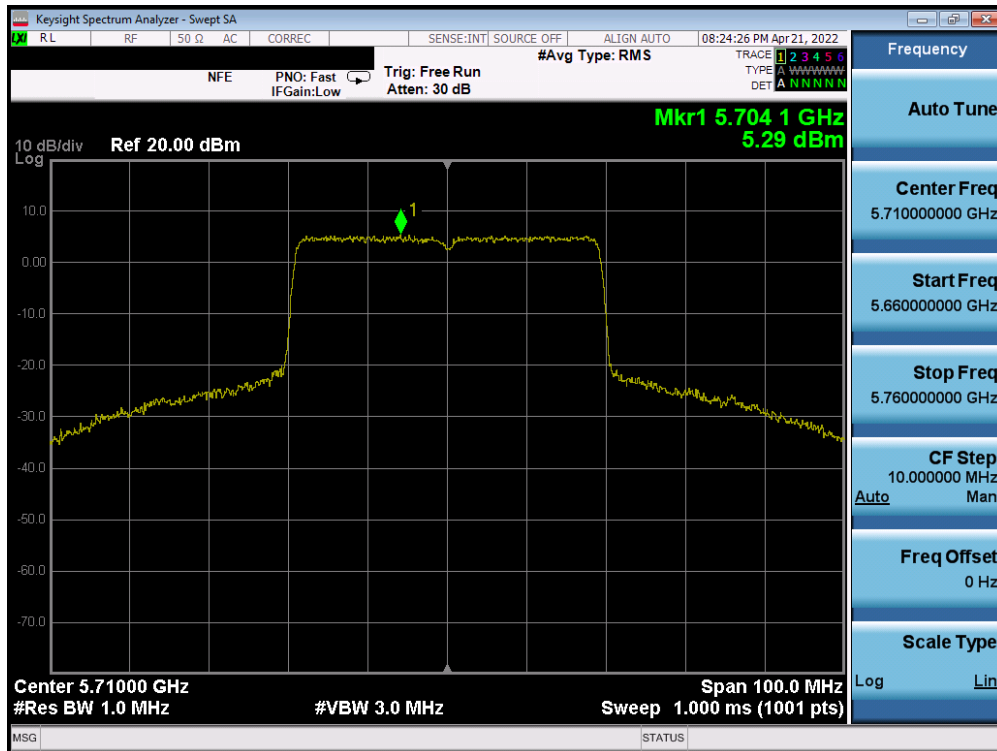


Plot 7-164. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 102)

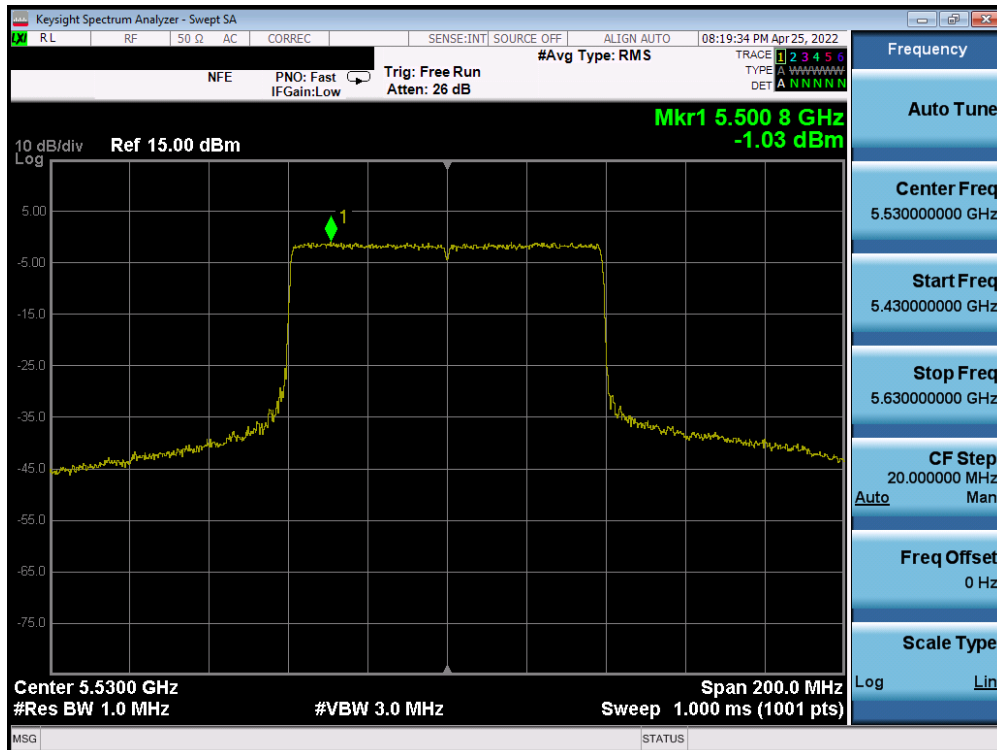


Plot 7-165. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 118)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 142 of 309

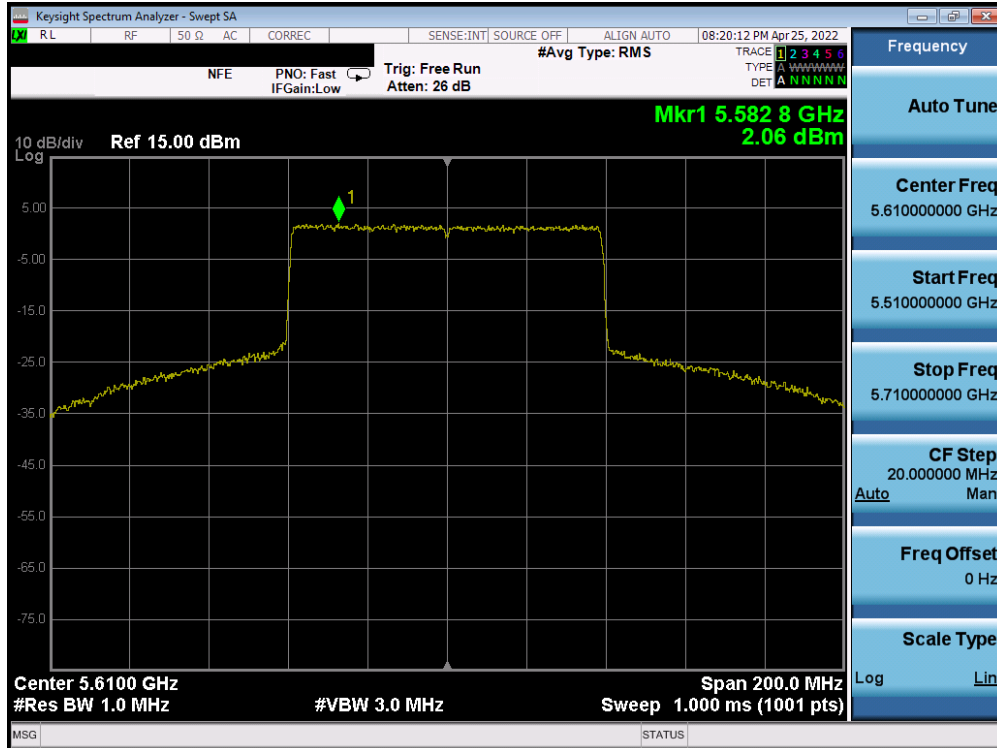


Plot 7-166. Power Spectral Density Plot SISO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 142)

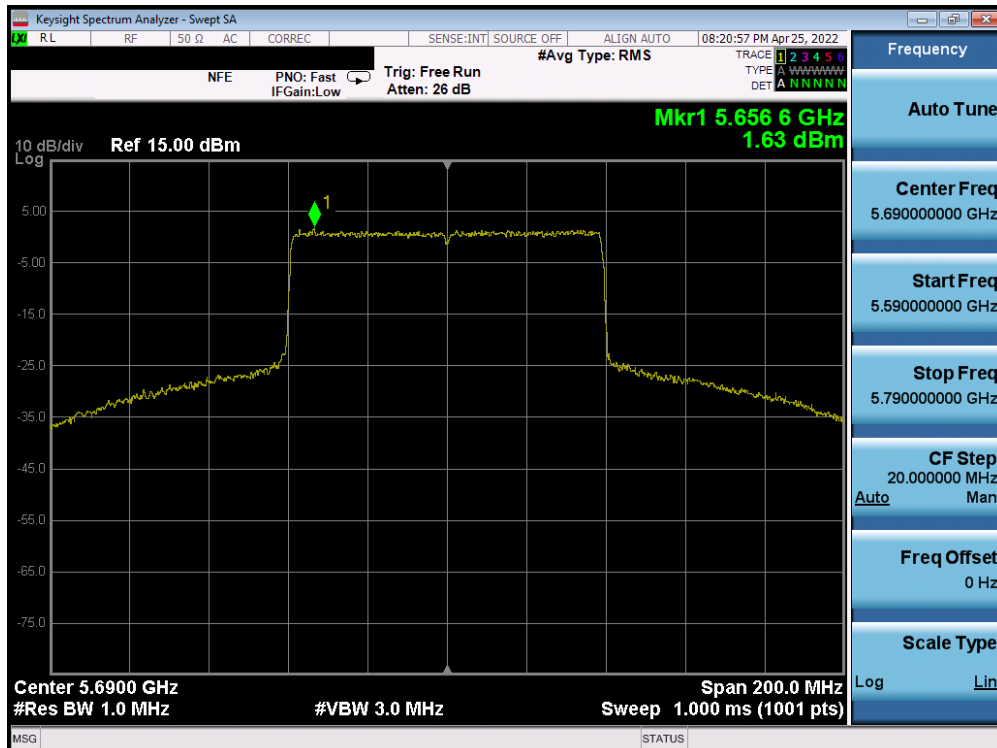


Plot 7-167. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 106)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 143 of 309

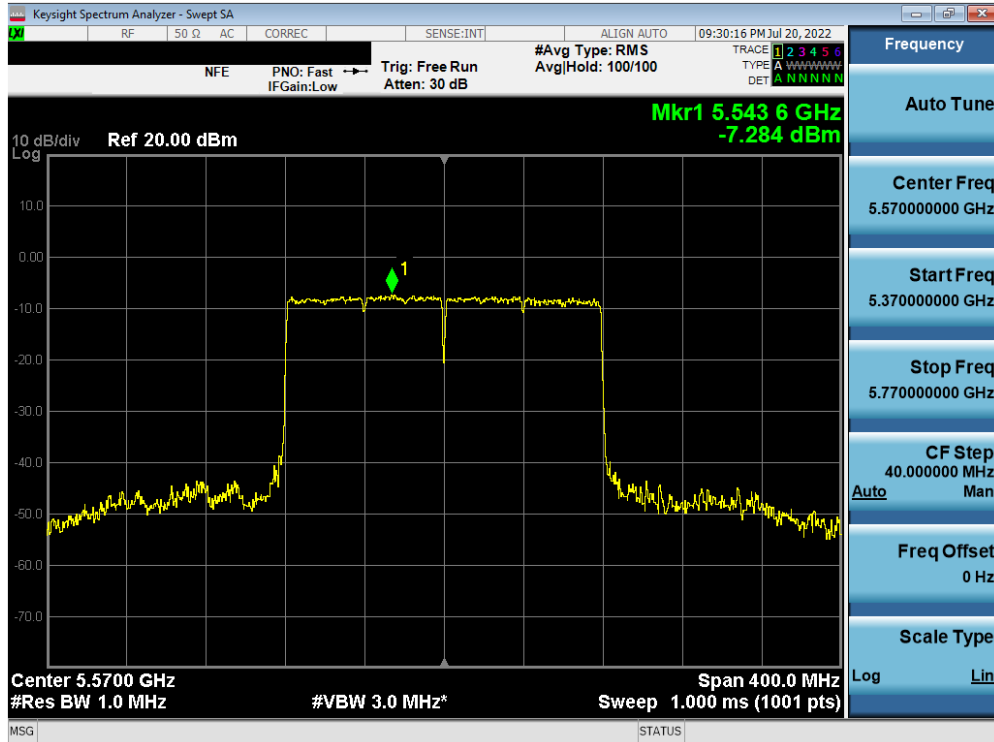


Plot 7-168. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 122)



Plot 7-169. Power Spectral Density Plot SISO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 138)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 144 of 309



Plot 7-170. Power Spectral Density Plot SISO ANT1 (160MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 114)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-16-R2.C3K	Test Dates: 3/14/2022-8/18/2022	EUT Type: Portable Computing Device	Page 145 of 309