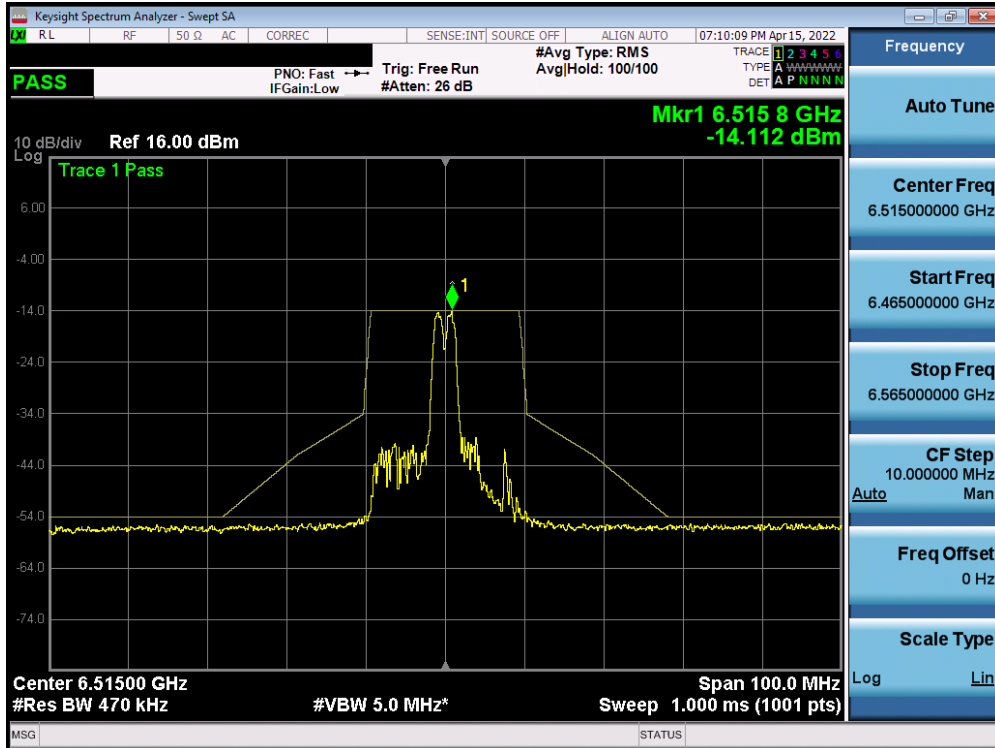


Plot 7-893. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 97)

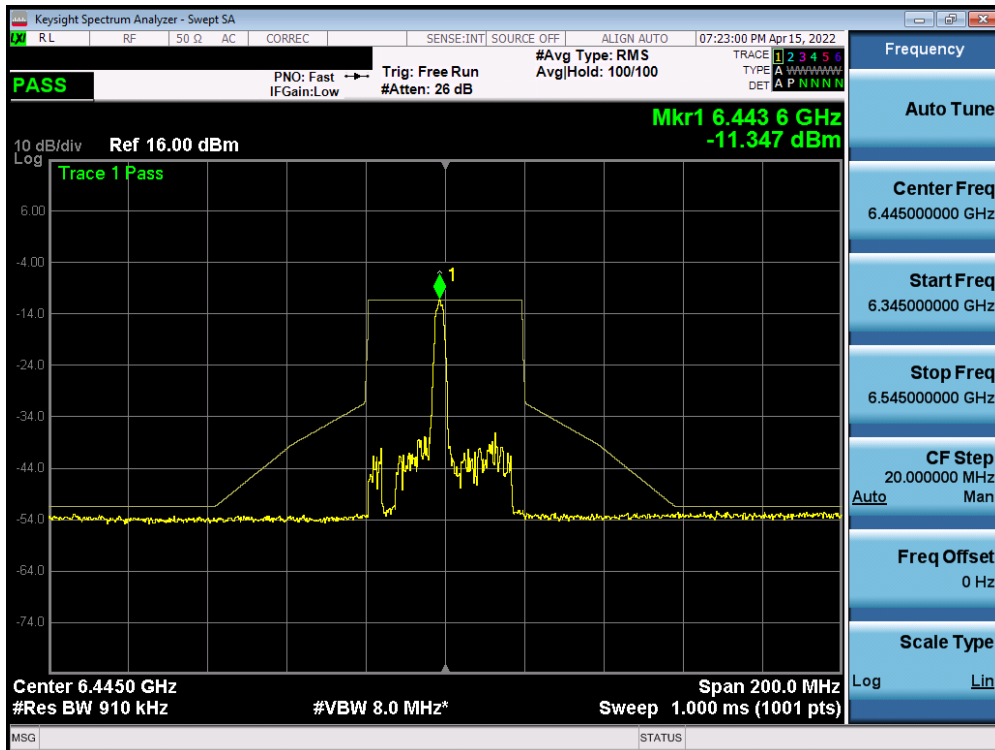


Plot 7-894. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 105)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 504 of 630

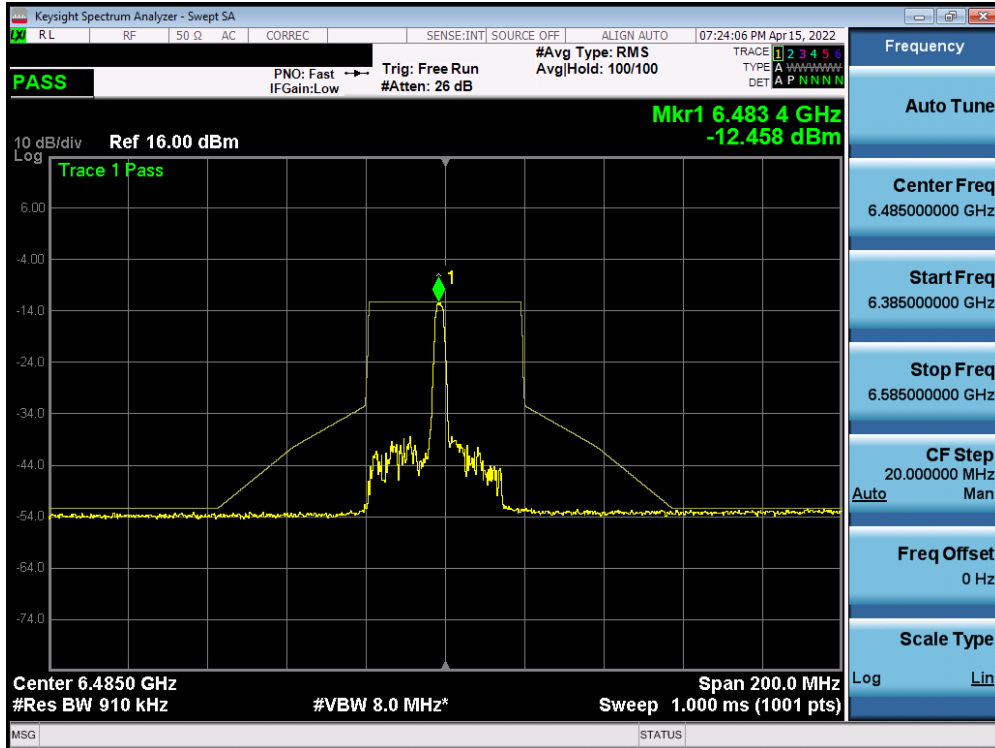


Plot 7-895. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 113)

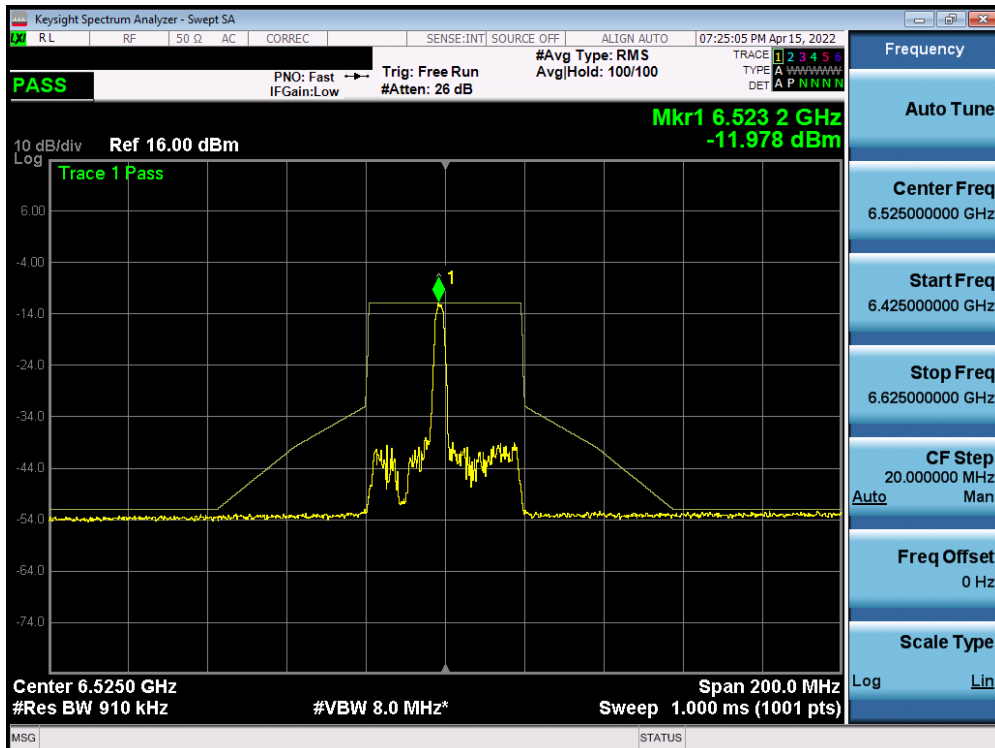


Plot 7-896. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 99)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 505 of 630



Plot 7-897. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 107)

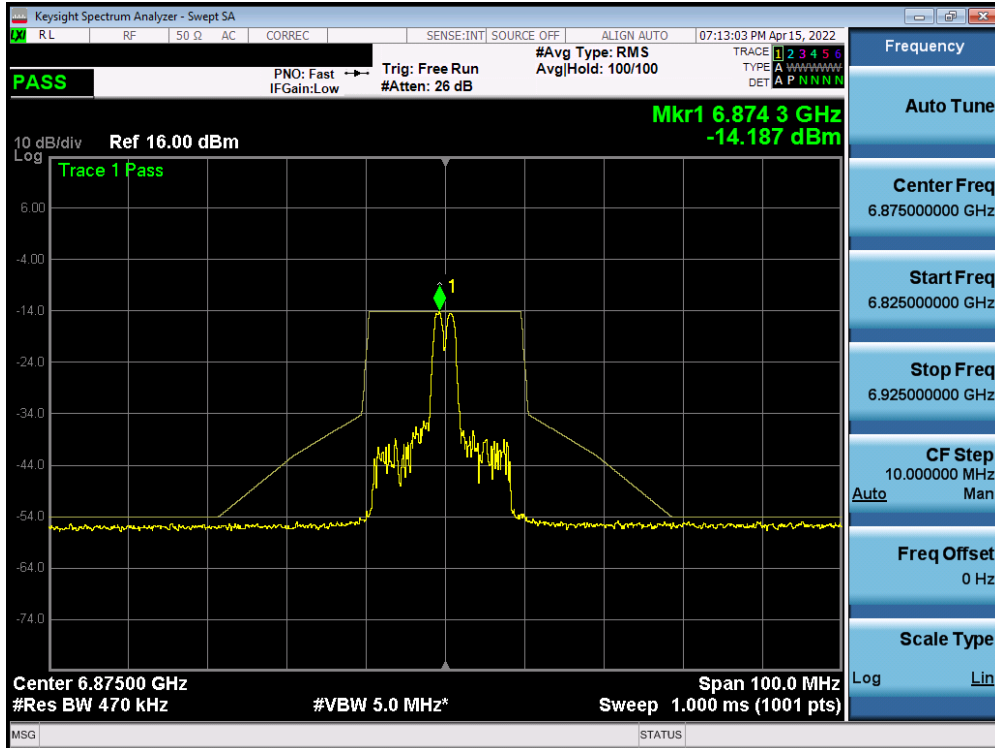


Plot 7-898. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 6) – Ch. 115)

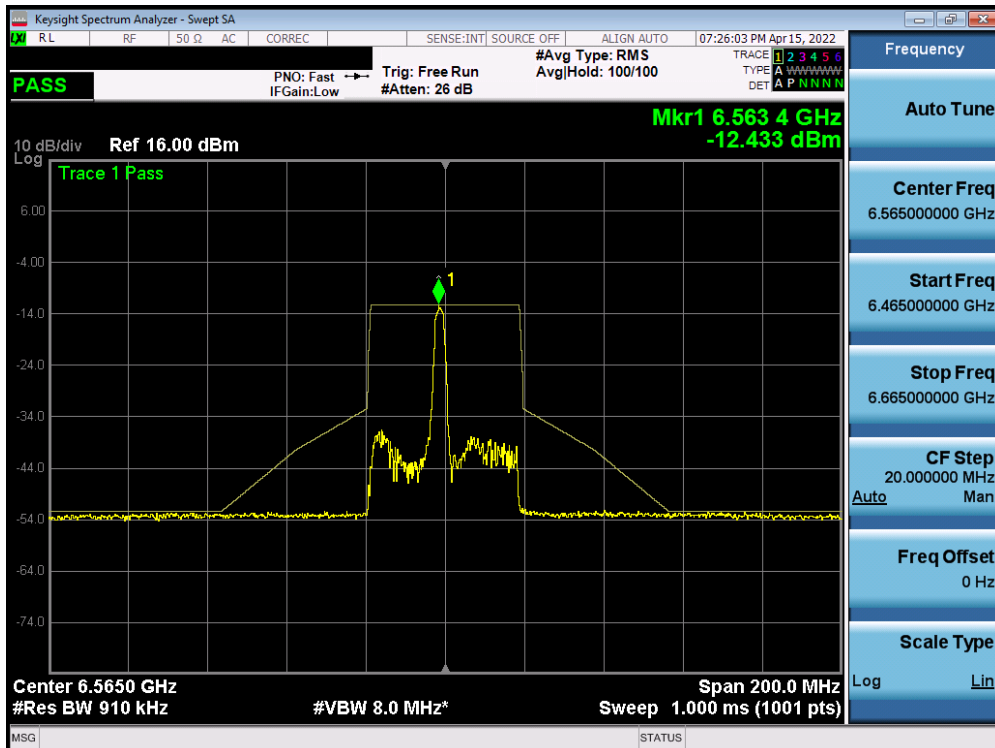
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 506 of 630







Plot 7-903. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 185)

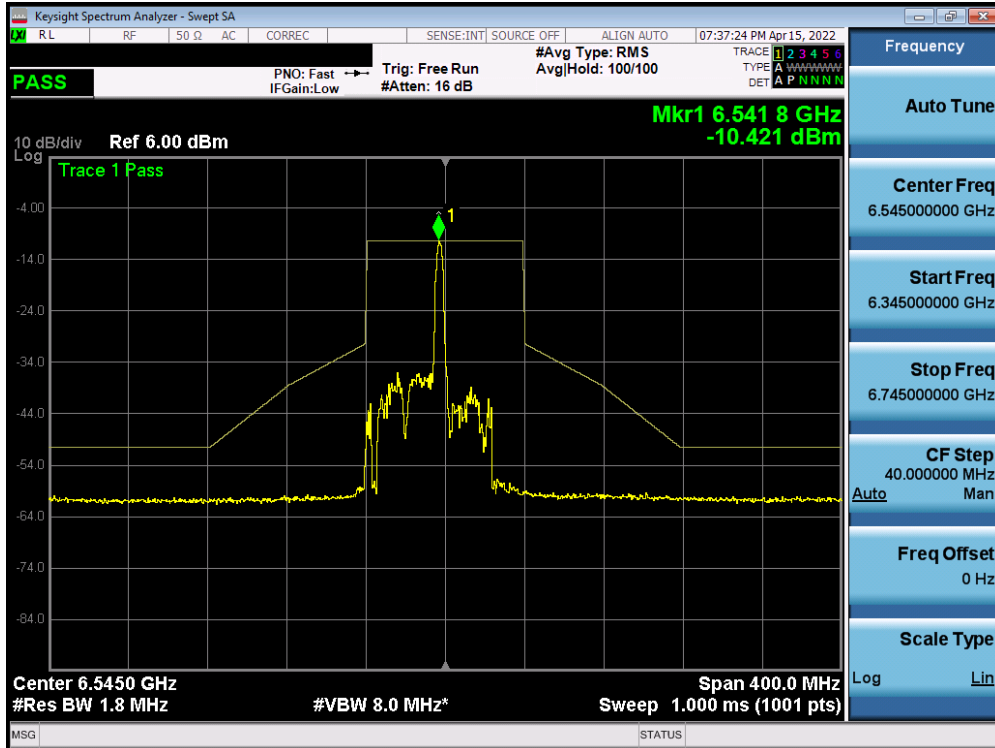


Plot 7-904. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 123)

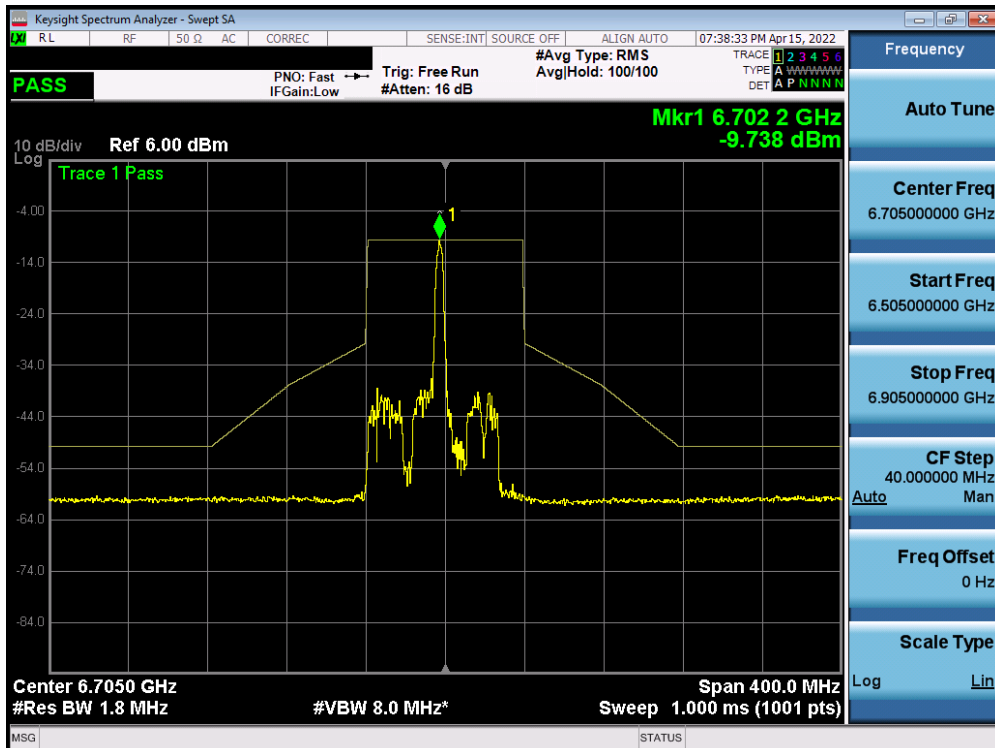
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 509 of 630







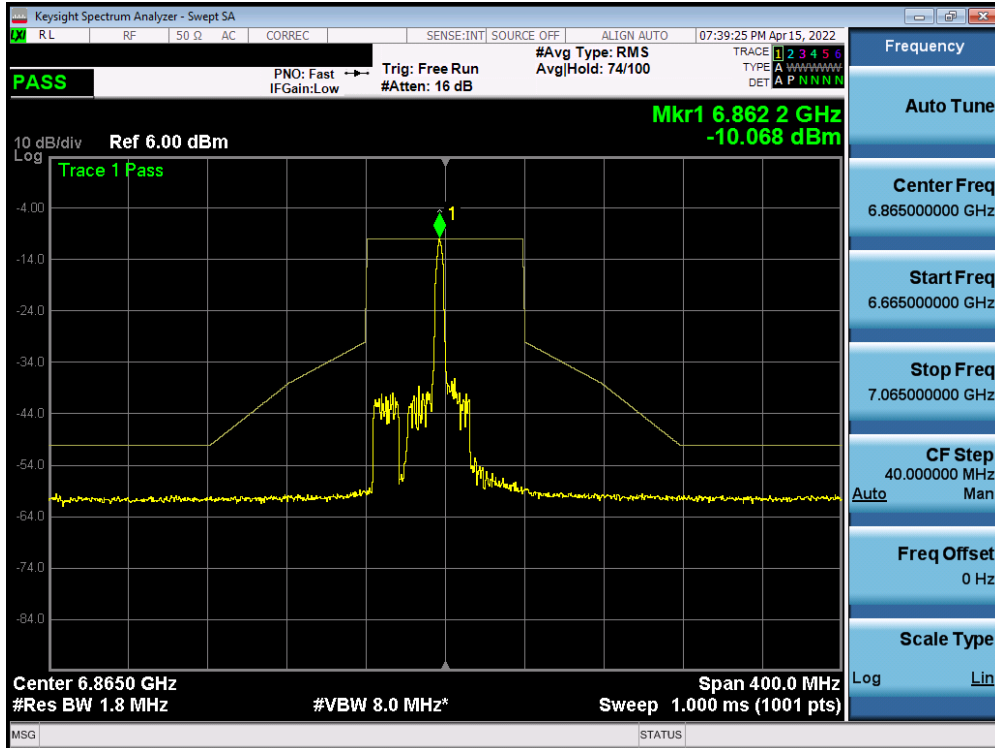
Plot 7-907. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 119)



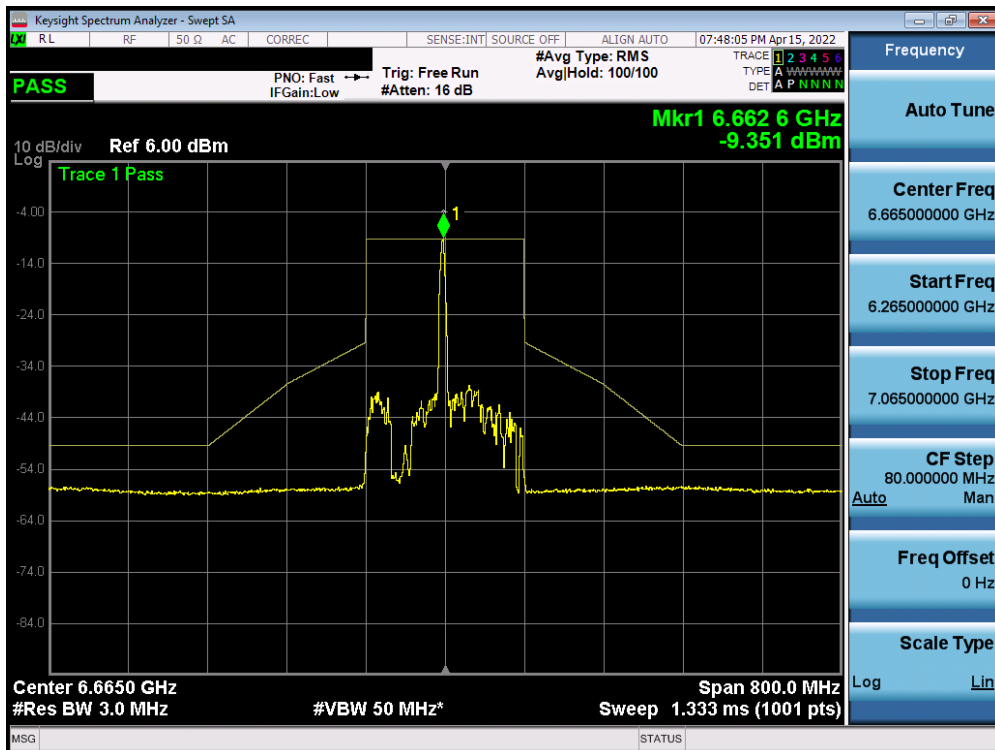
Plot 7-908. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 511 of 630



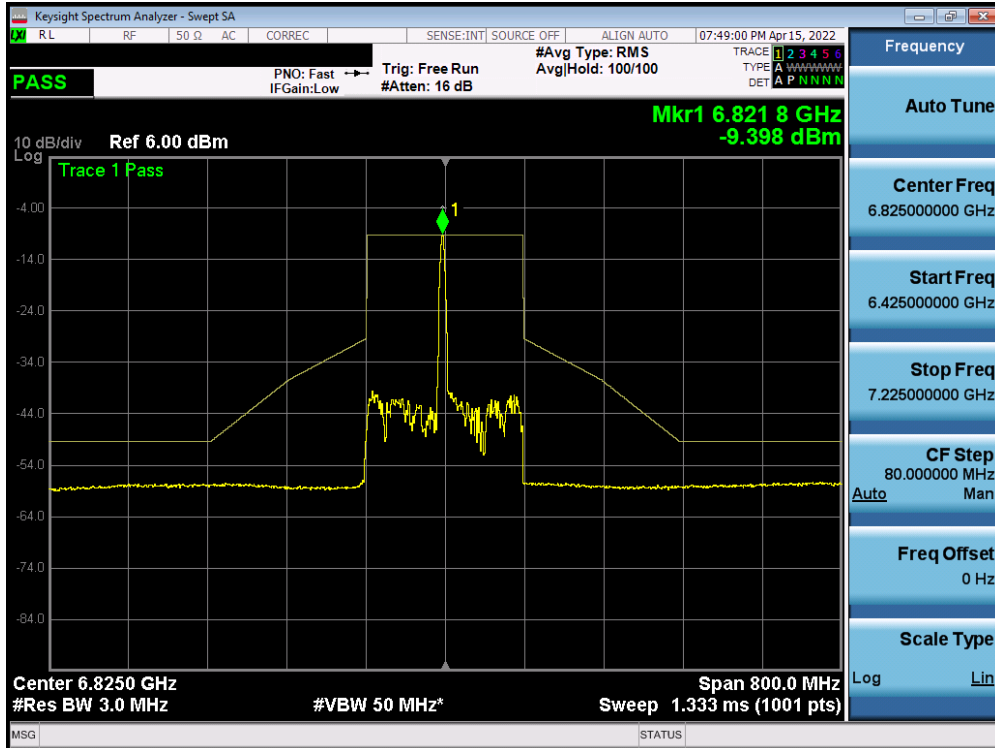


Plot 7-909. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 183)



Plot 7-910. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 143)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 512 of 630



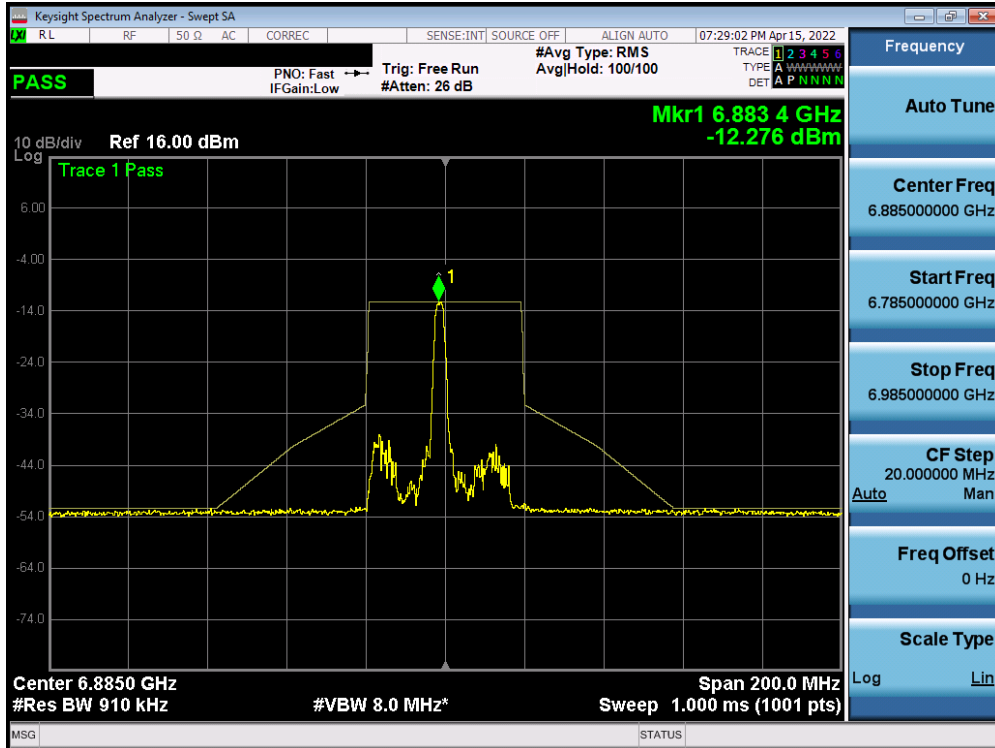
Plot 7-911. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (26 Tones) (UNII Band 7) – Ch. 175)



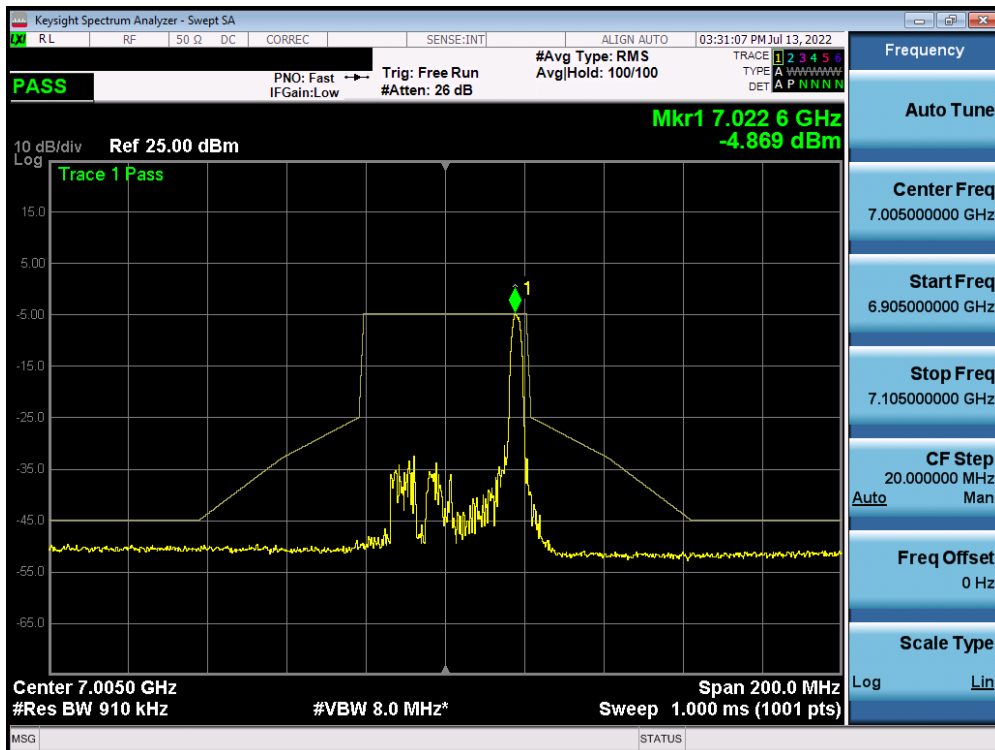
Plot 7-912. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (26 Tones) (UNII Band 8) – Ch. 189)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 513 of 630





Plot 7-915. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 8) – Ch. 187)



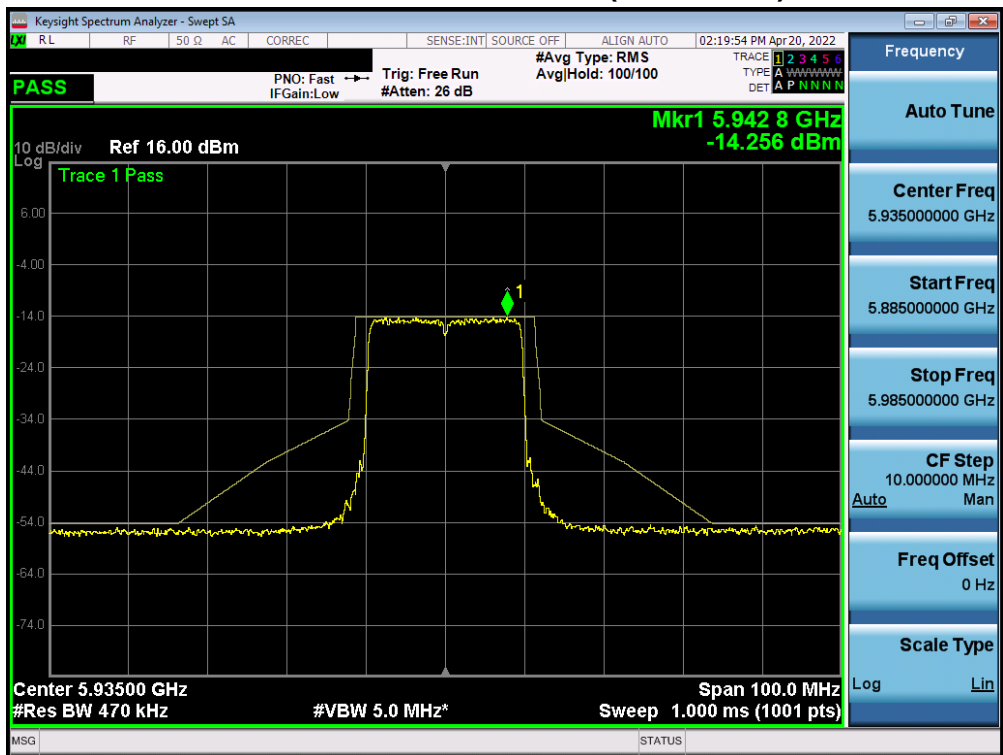
Plot 7-916. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (26 Tones) (UNII Band 8) – Ch. 211)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 515 of 630

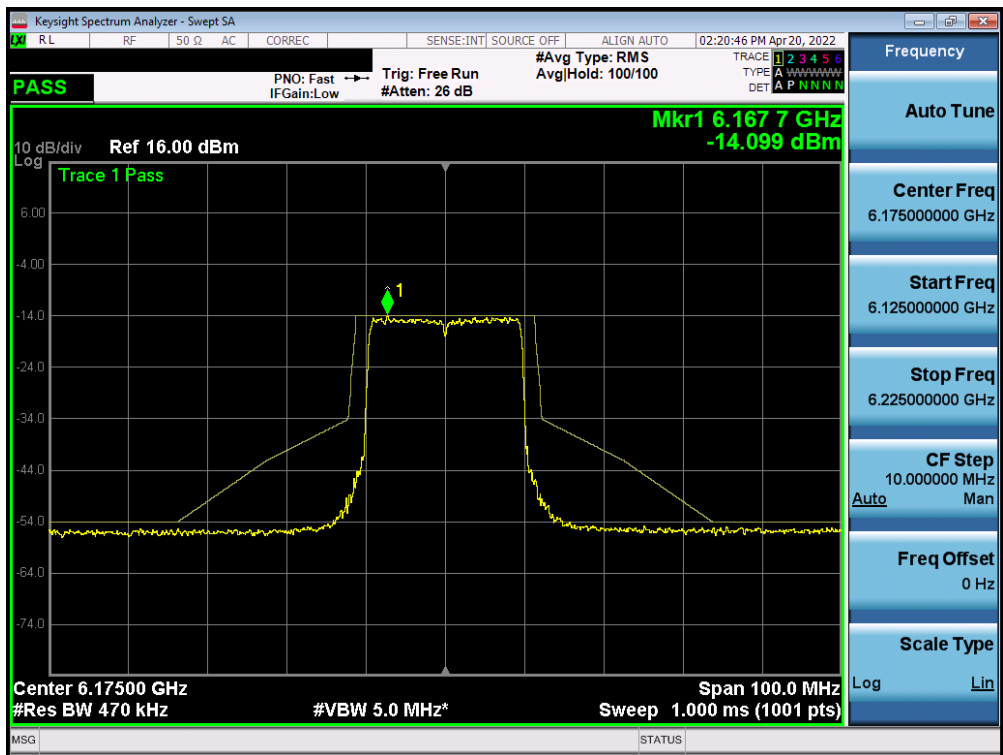




## MIMO Antenna-2 In-Band Emission Measurements (Full Tones)



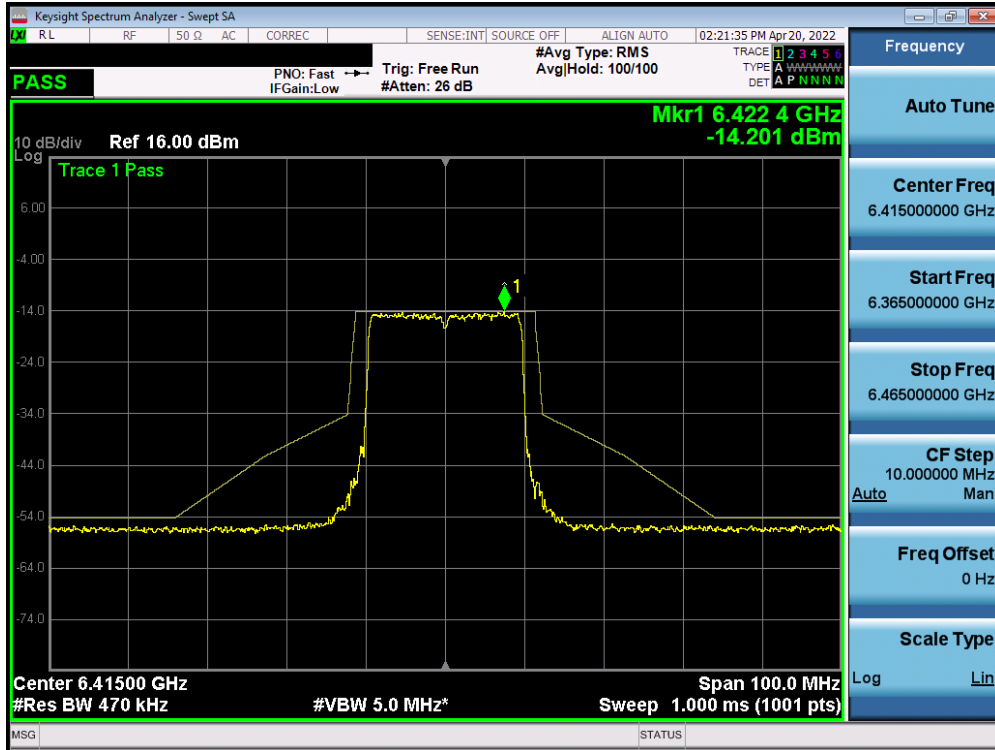
Plot 7-921. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) UNII Band 5) – Ch. 2



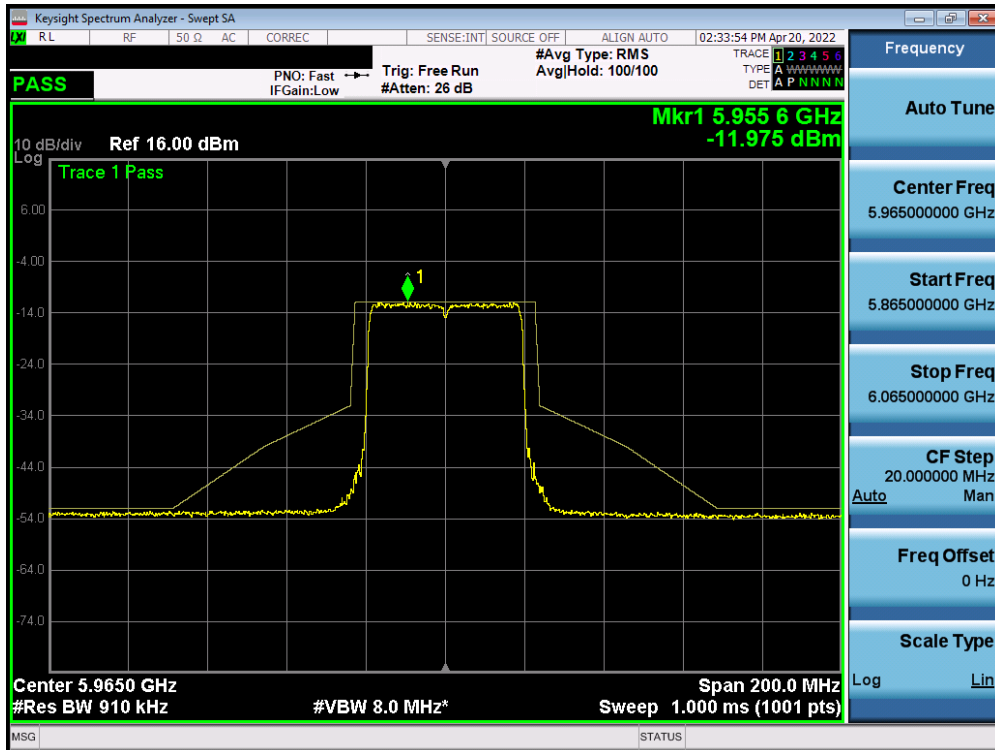
Plot 7-922. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 45)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 518 of 630



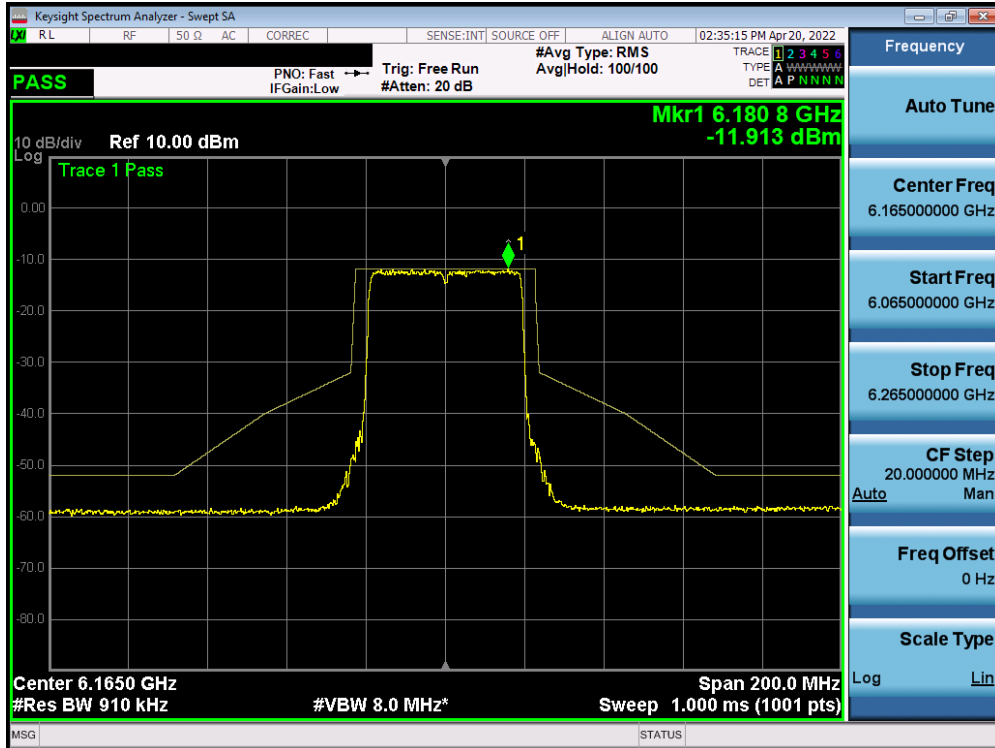


Plot 7-923. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) UNII Band 5) – Ch. 93

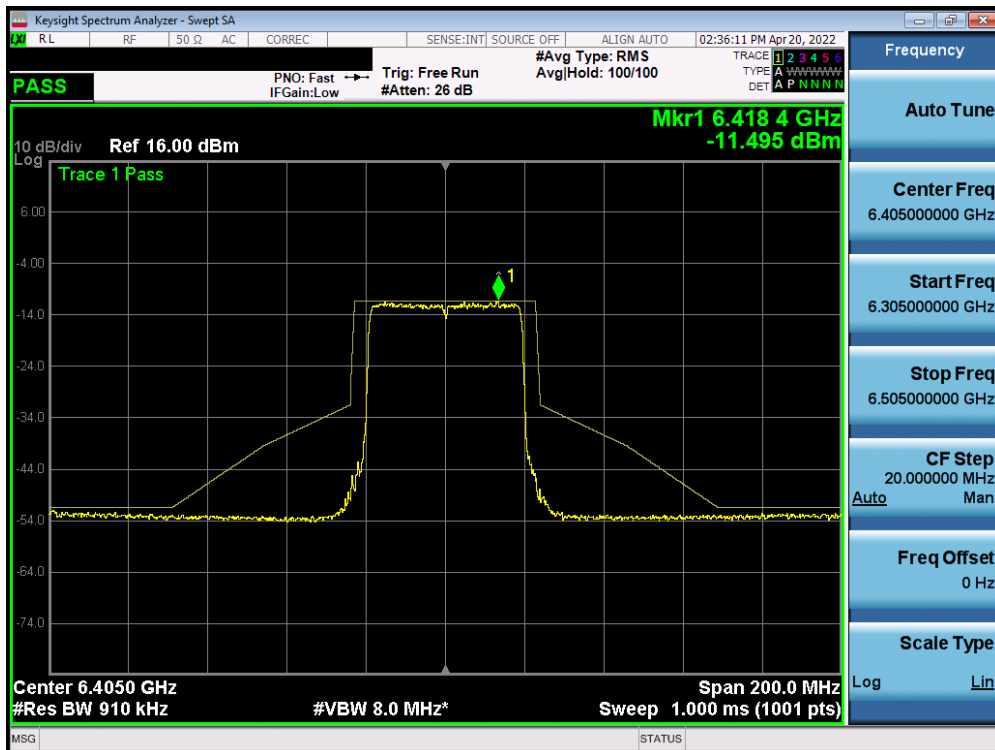


Plot 7-924. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 3)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 519 of 630

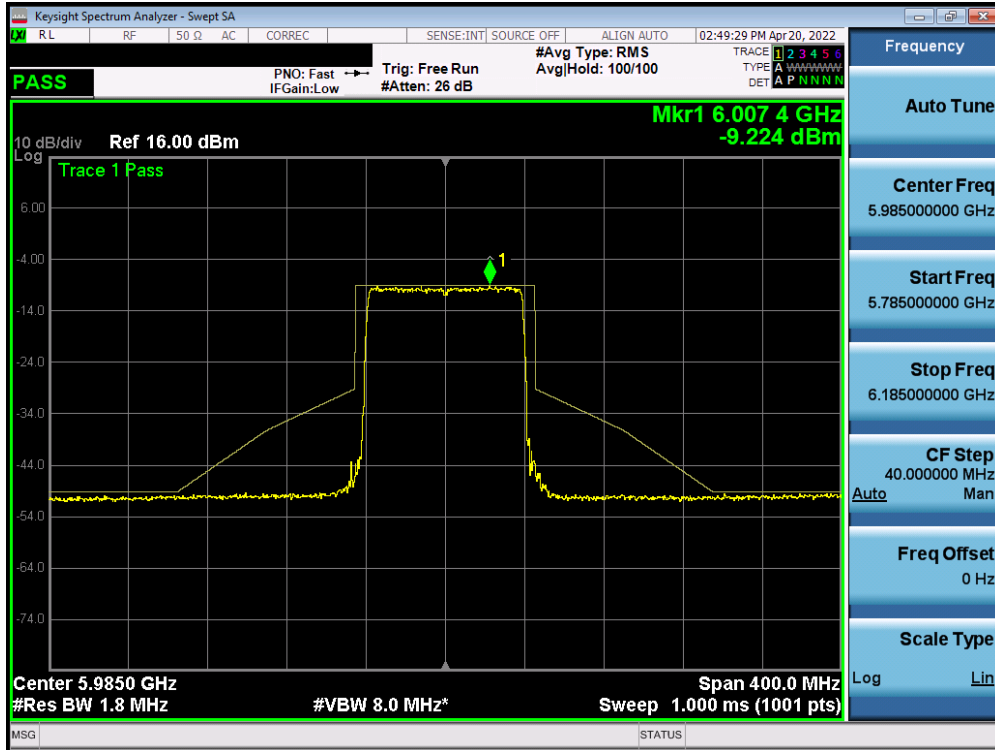


Plot 7-925. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 43)

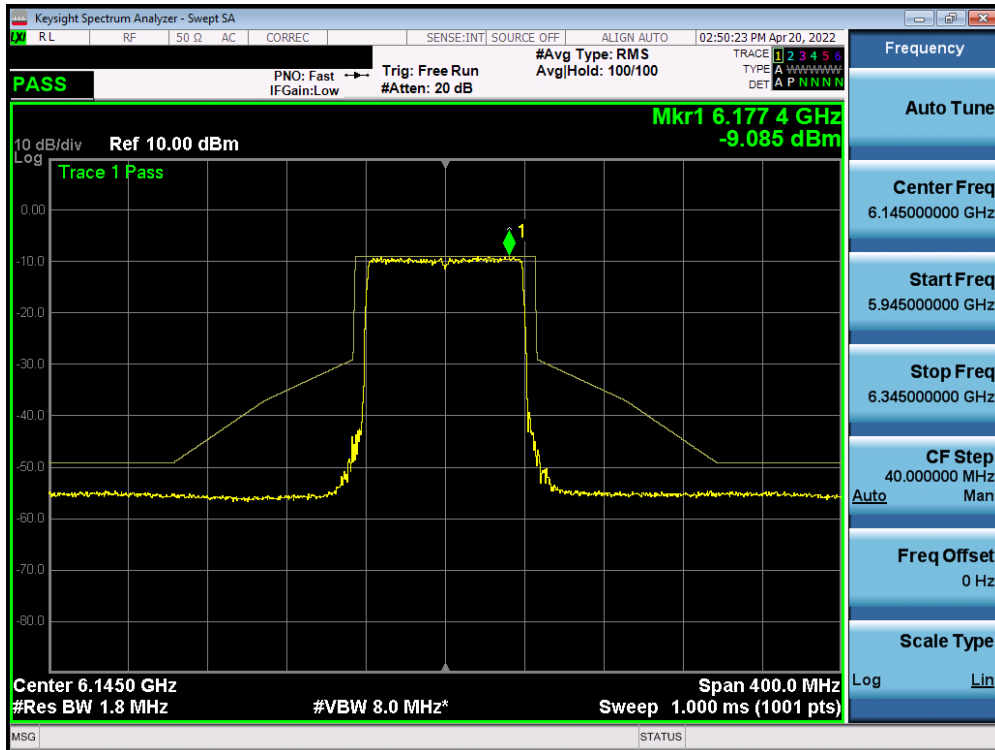


Plot 7-926. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 91)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 520 of 630

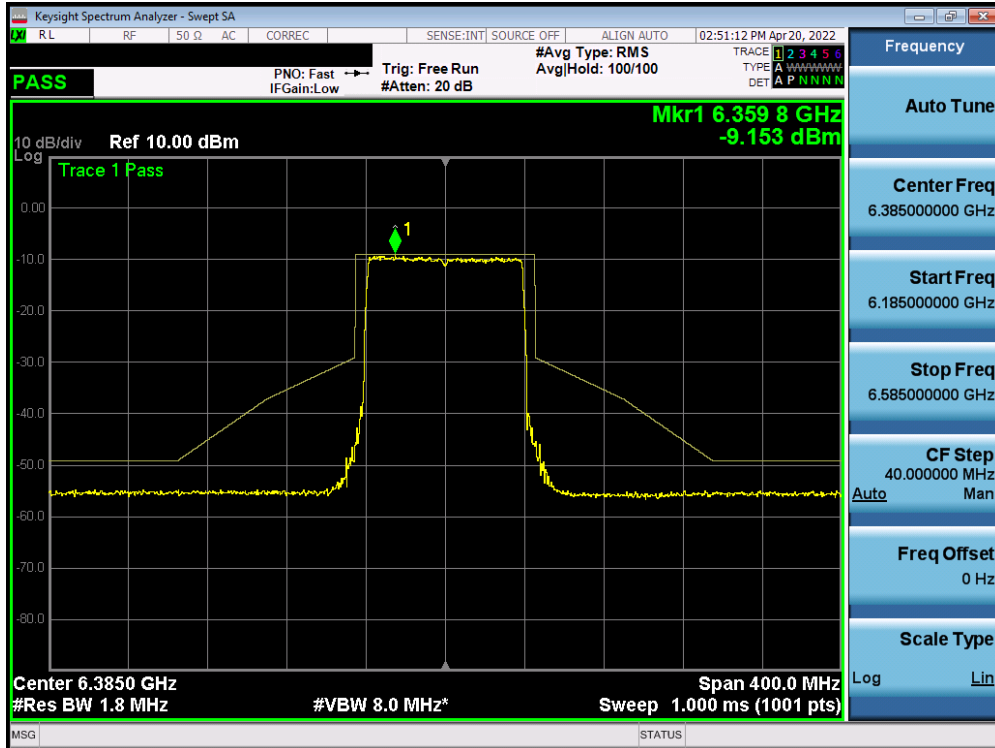


Plot 7-927. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 7)

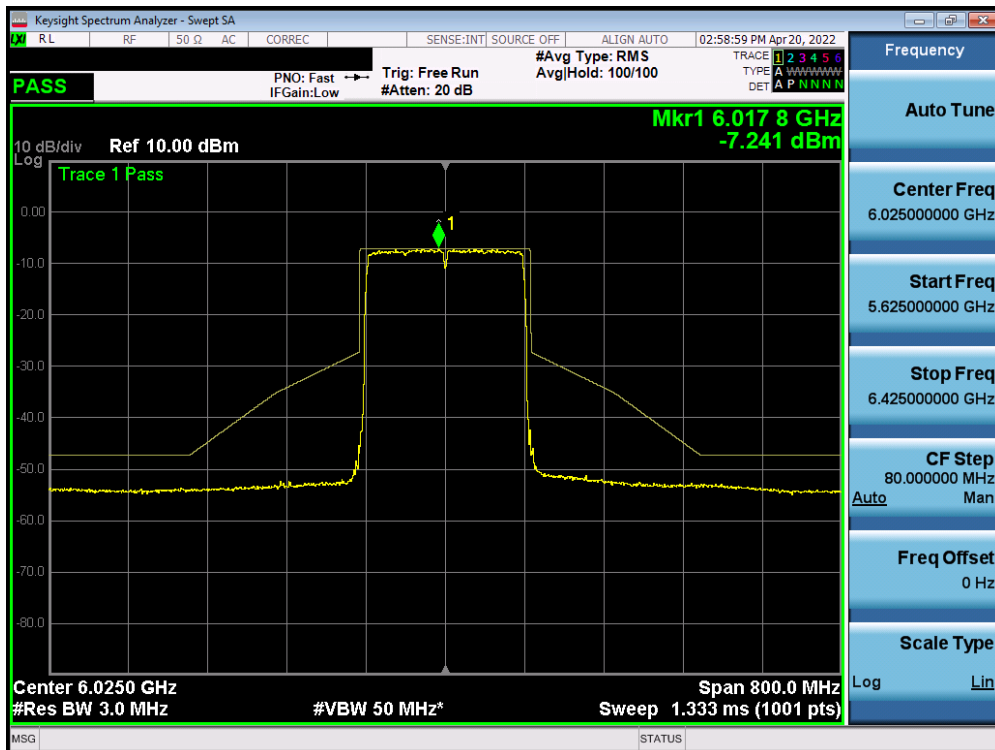


Plot 7-928. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 39)

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 521 of 630

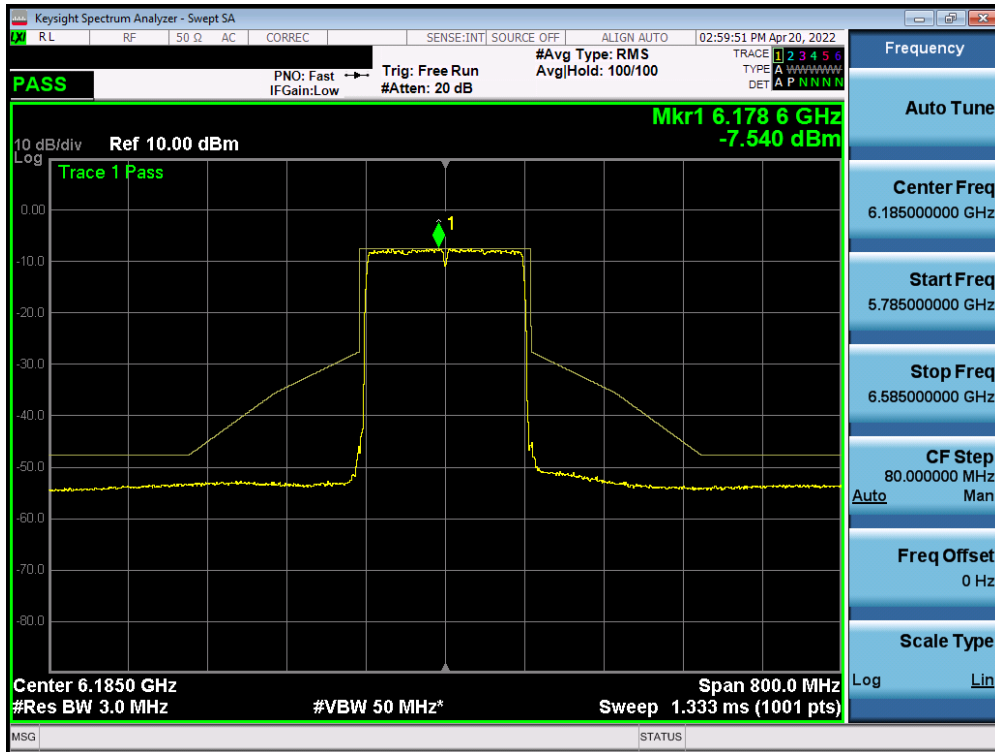


Plot 7-929. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 5) – Ch. 87)

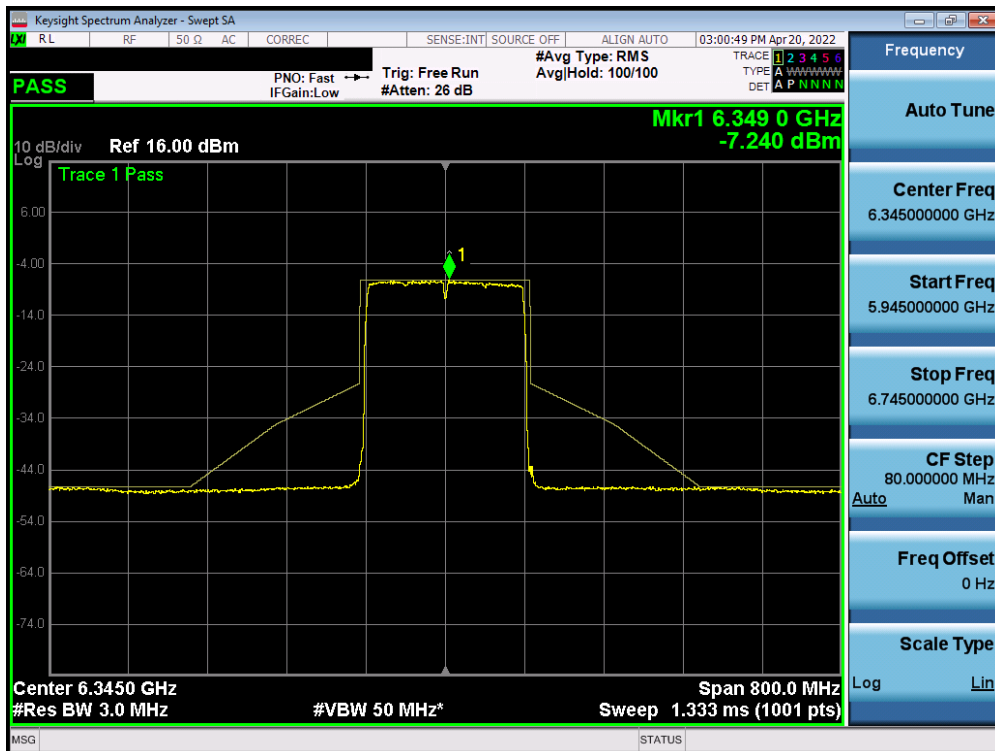


Plot 7-930. In-Band Emission Plot MIMO ANT2 (160MHz BW 1602.11ax (Full Tone) (UNII Band 5) – Ch. 15)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 522 of 630

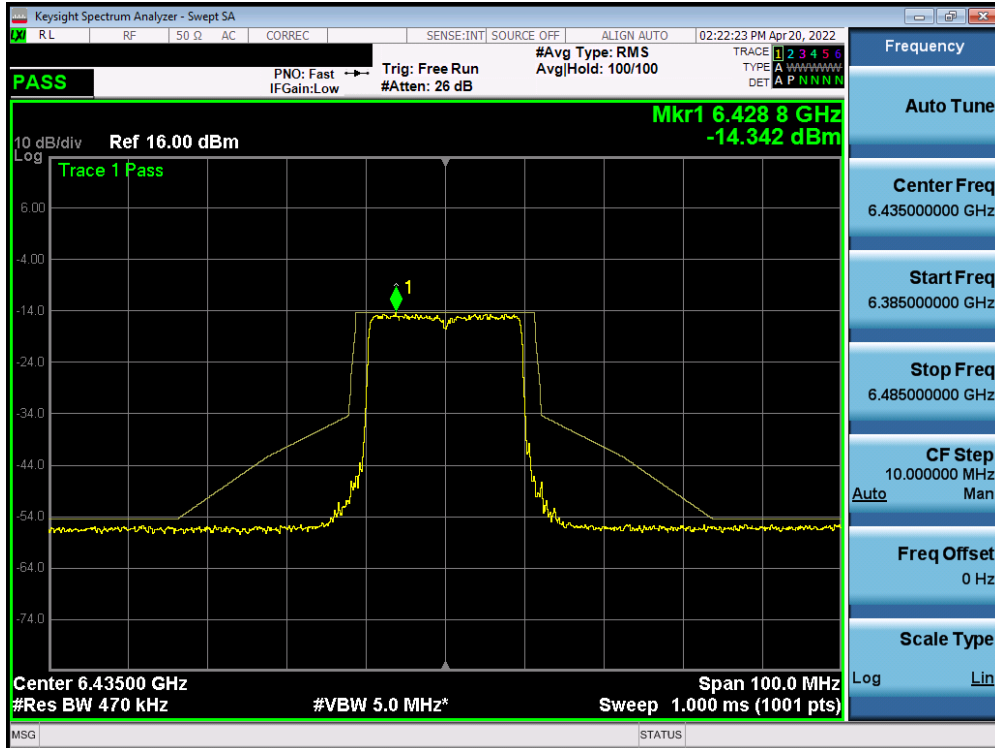


Plot 7-931. In-Band Emission Plot MIMO ANT2 (160MHz BW 1602.11ax (Full Tone) (UNII Band 5) – Ch. 47)

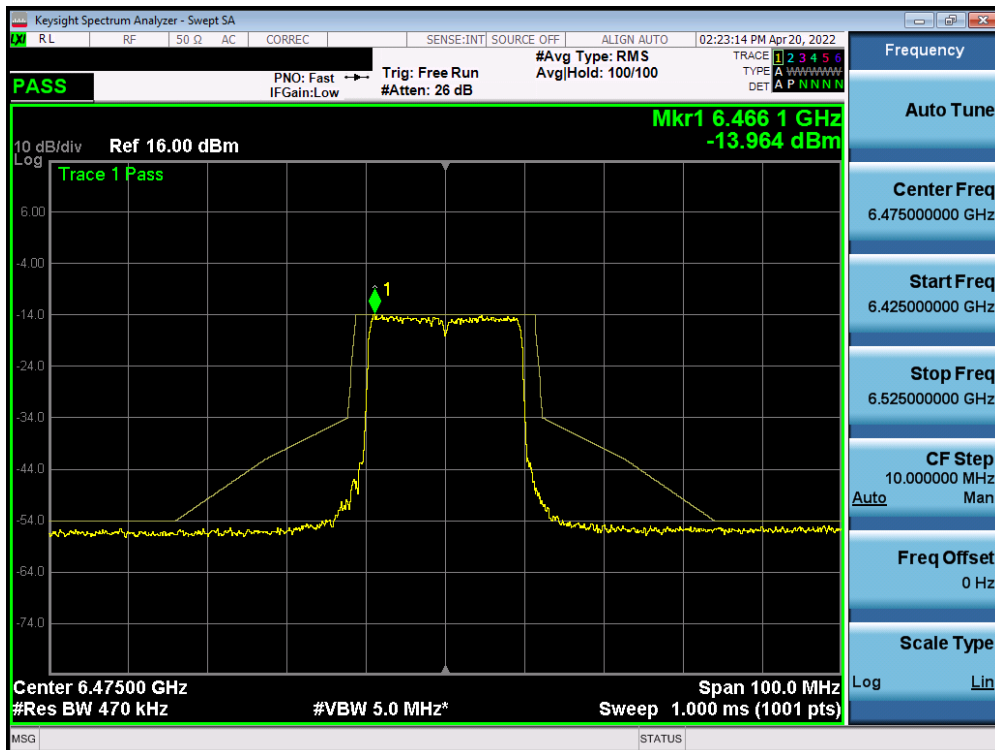


Plot 7-932. In-Band Emission Plot MIMO ANT2 (160MHz BW 1602.11ax (Full Tone) (UNII Band 5) – Ch. 79)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 523 of 630

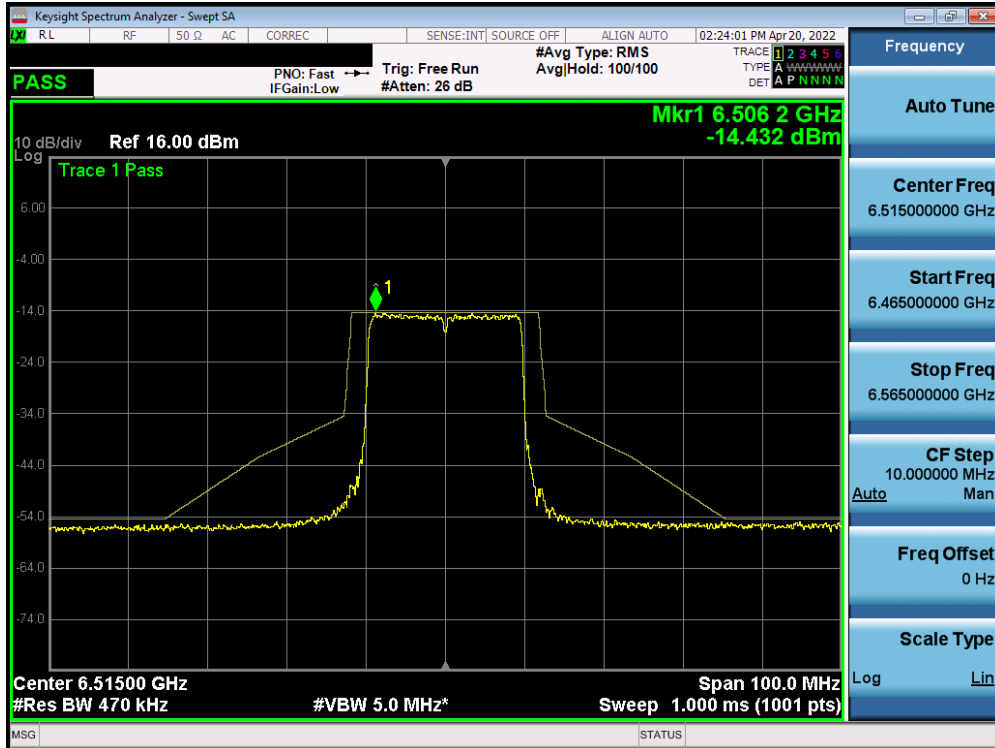


Plot 7-933. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 97)

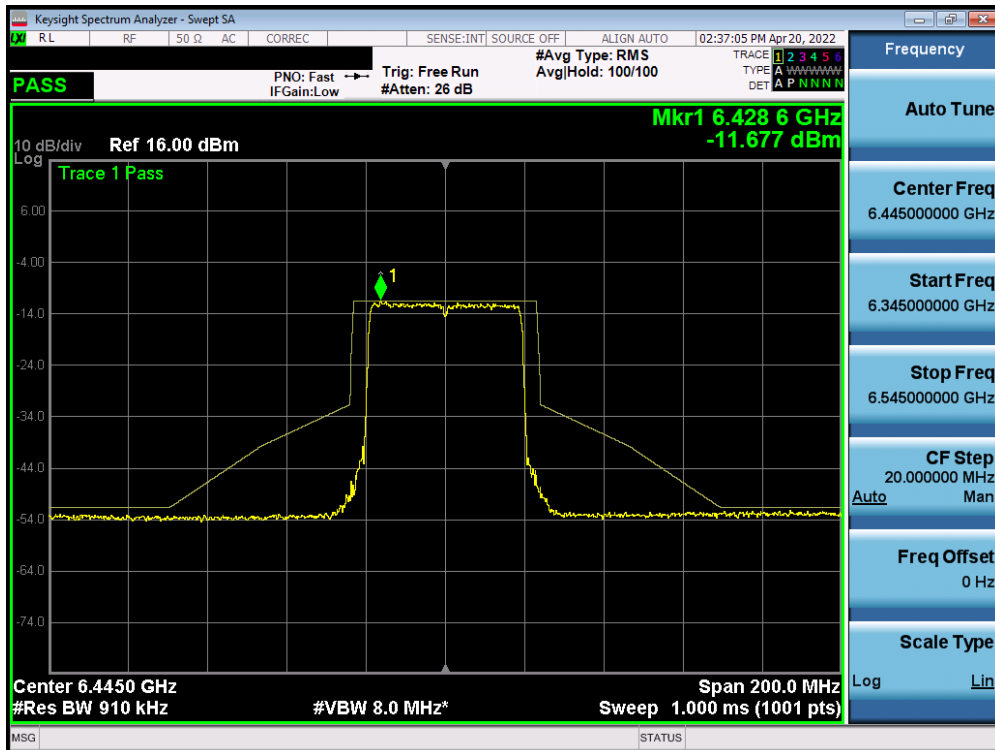


Plot 7-934. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 105)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 524 of 630



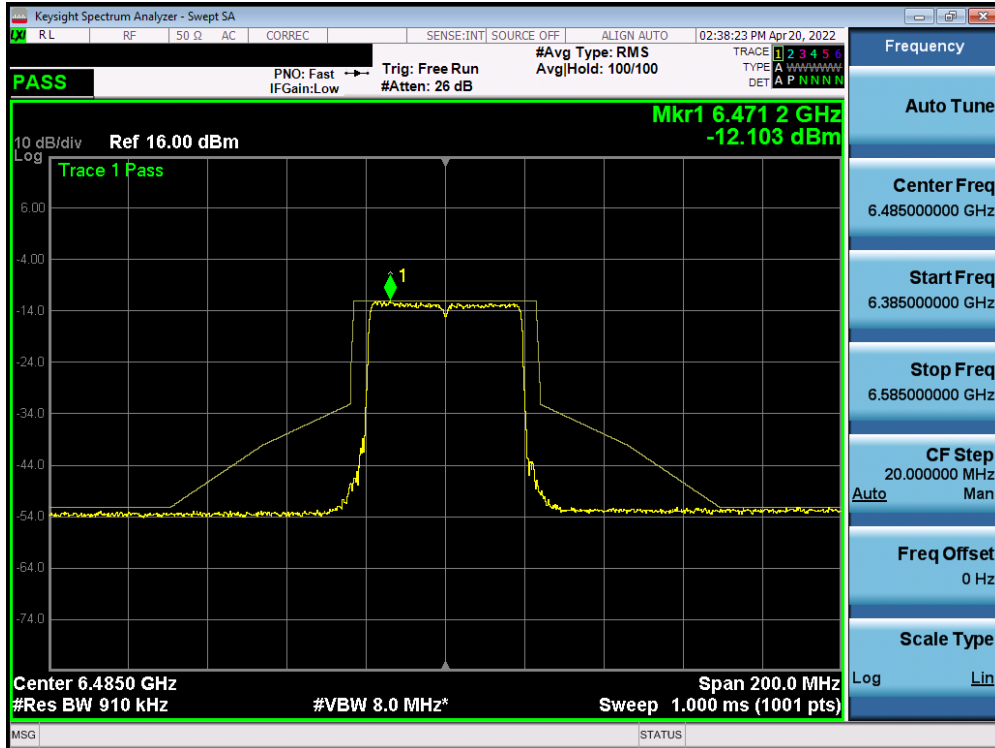
Plot 7-935. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 113)



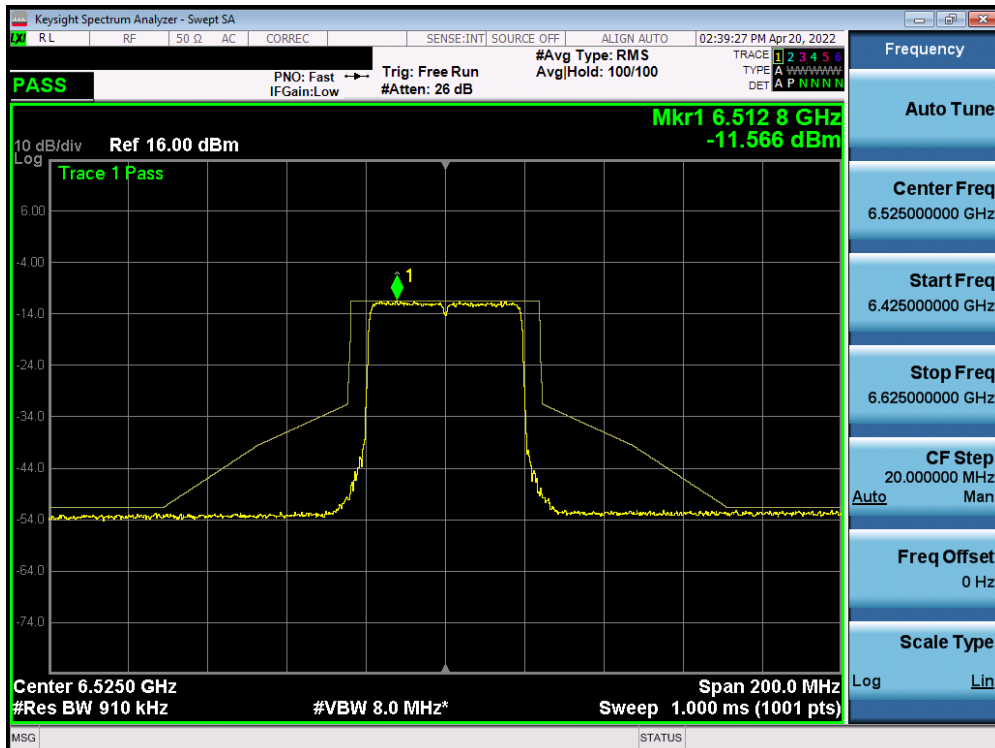
Plot 7-936. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 99)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 525 of 630



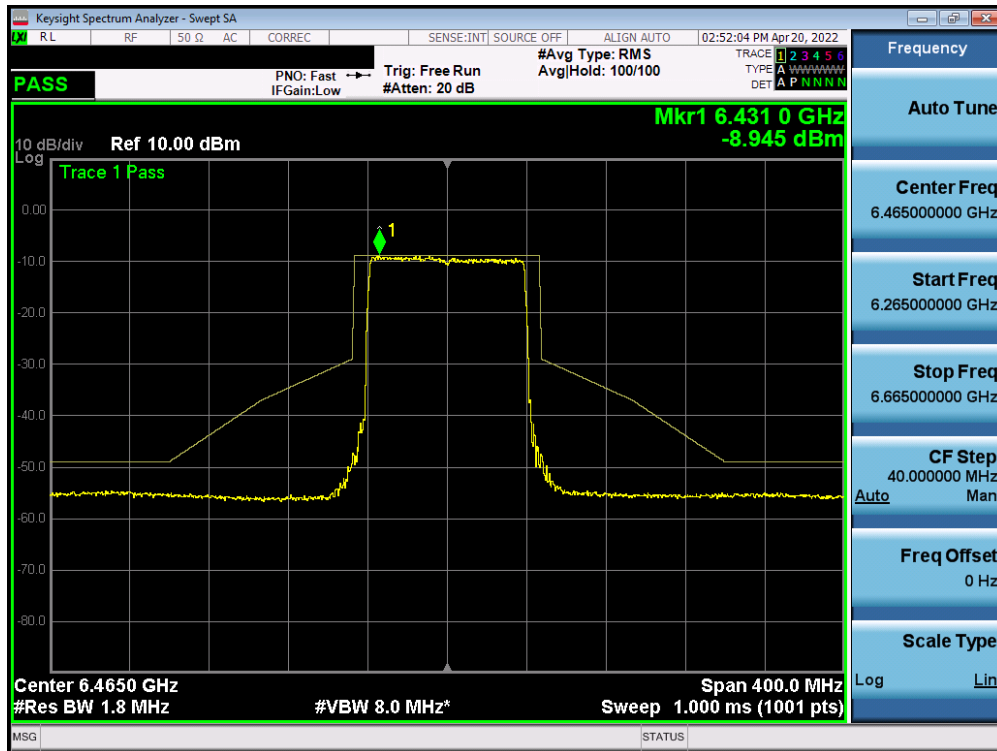


Plot 7-937. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 107)



Plot 7-938. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 115)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 526 of 630

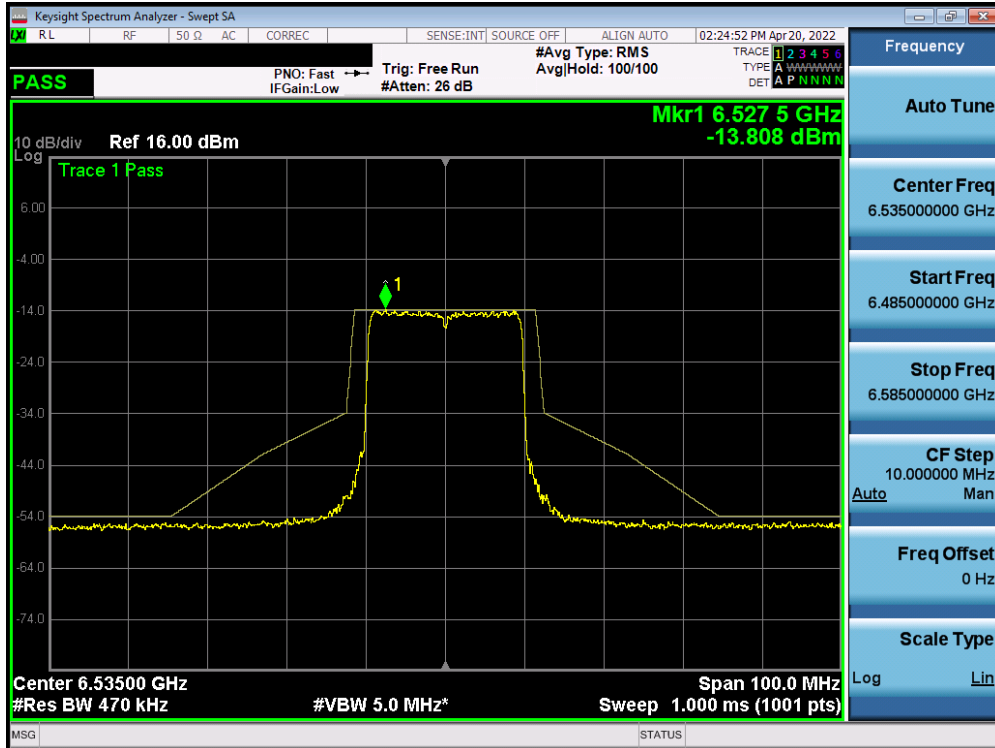


Plot 7-939. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 103)

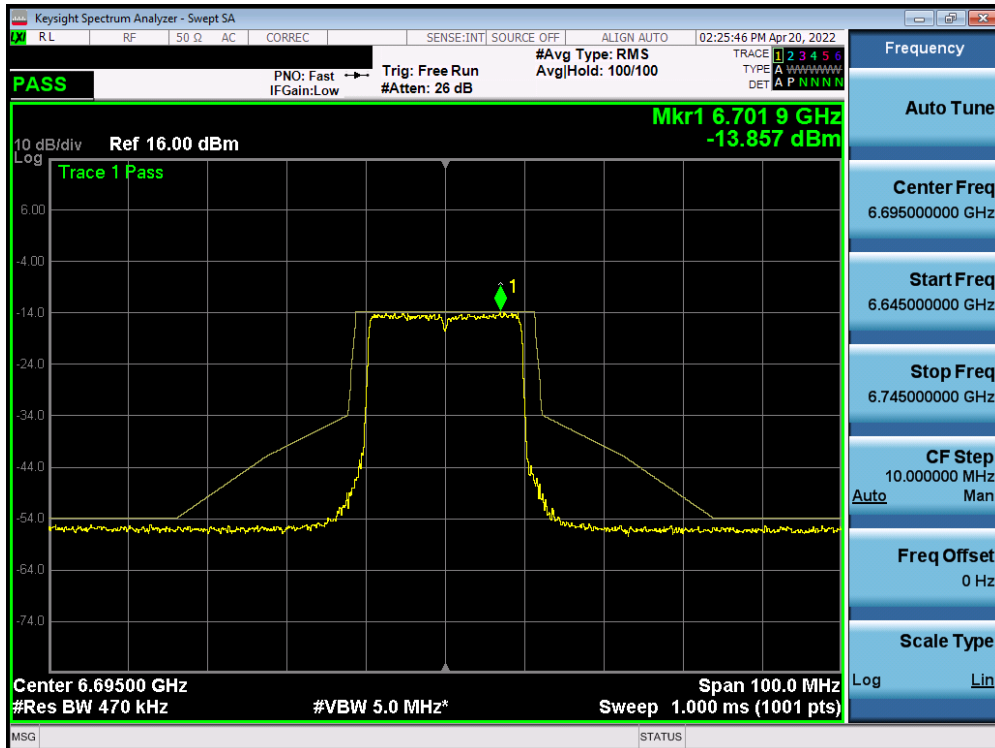


Plot 7-940. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 6) – Ch. 111)

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 527 of 630

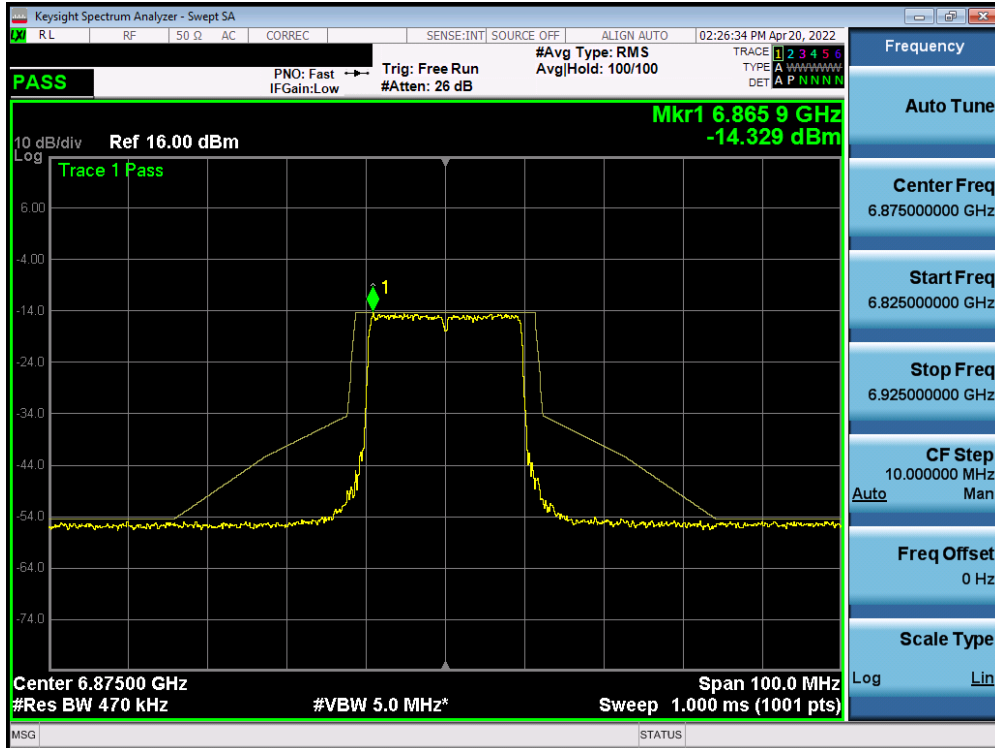


Plot 7-941. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 117)

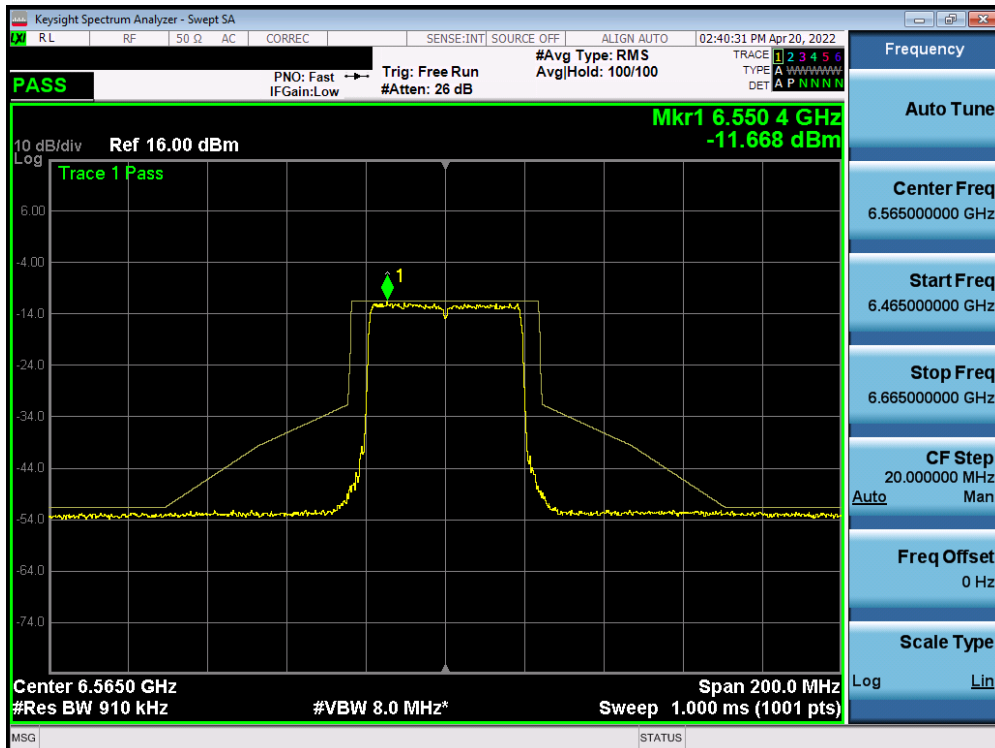


Plot 7-942. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 149)

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 528 of 630

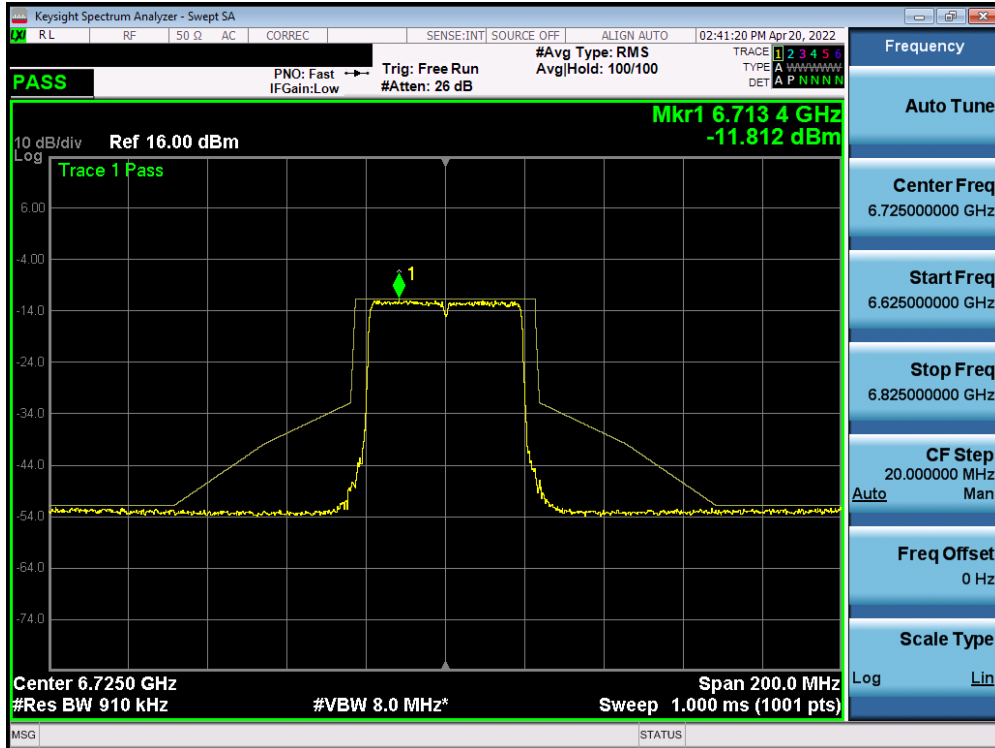


Plot 7-943. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 185)

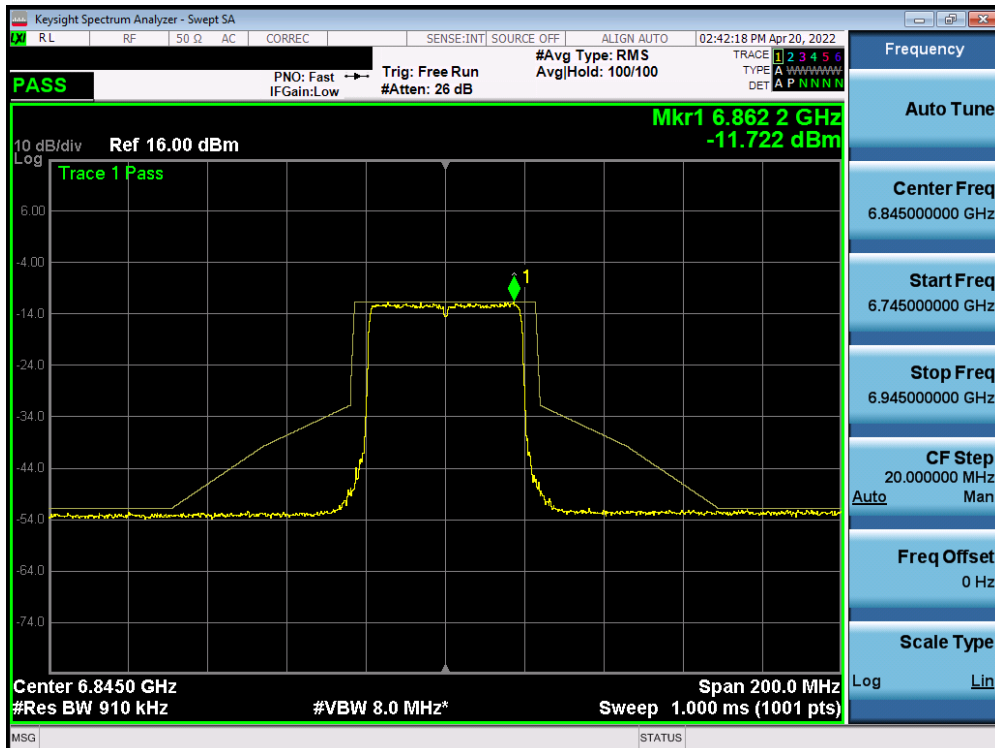


Plot 7-944. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 123)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 529 of 630

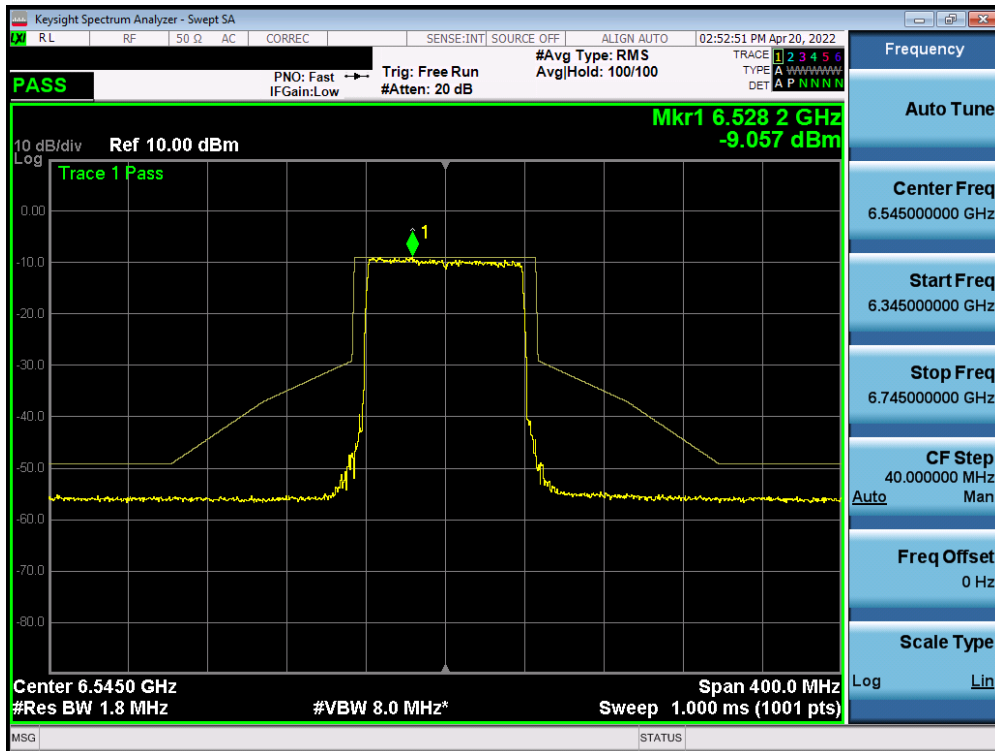


Plot 7-945. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 155)

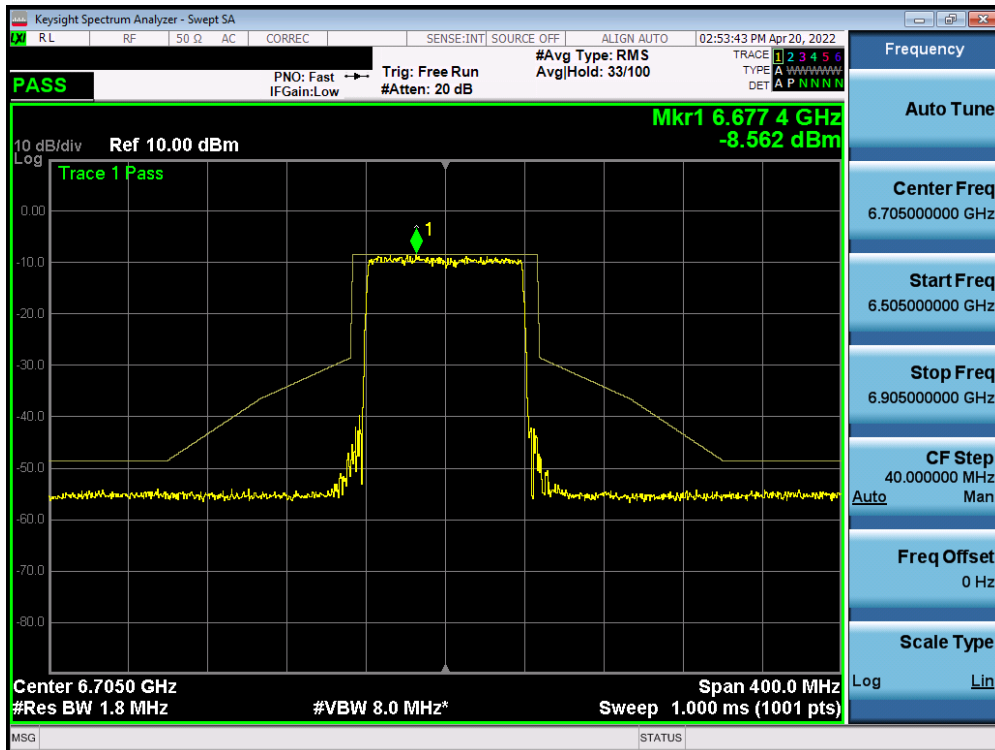


Plot 7-946. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 179)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 530 of 630

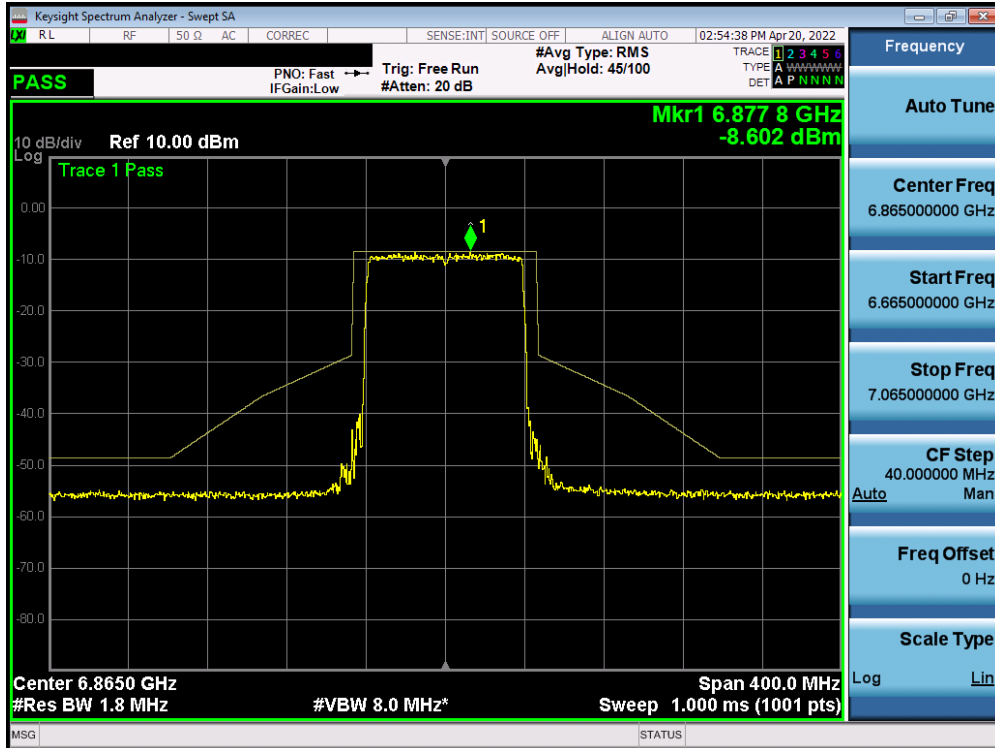


Plot 7-947. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 119)

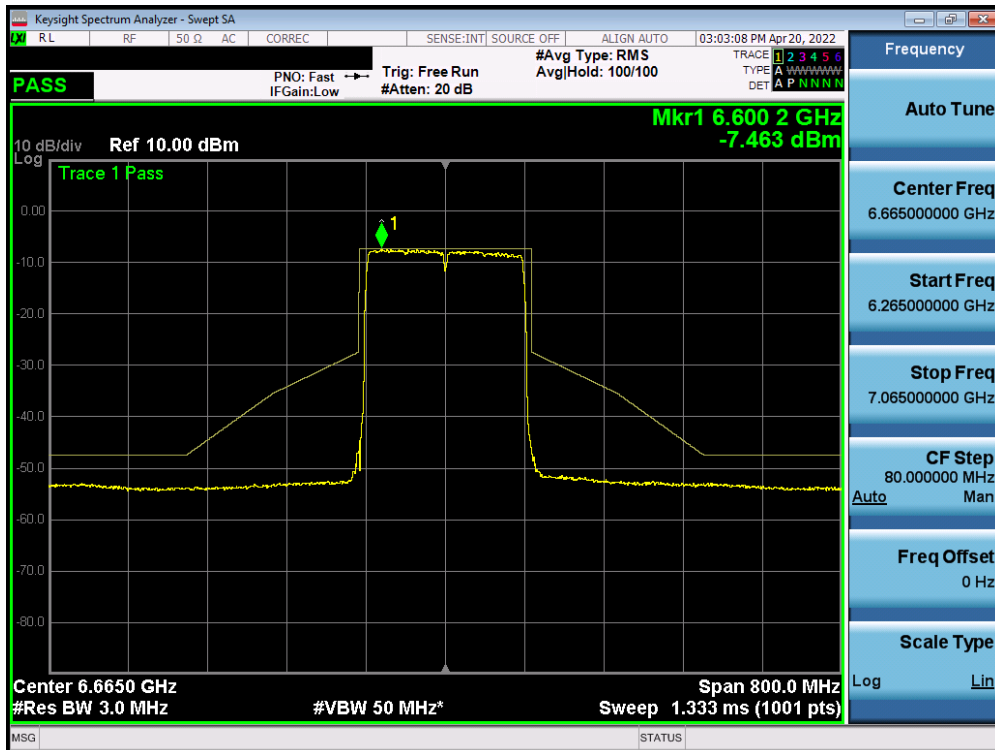


Plot 7-948. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 151)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 531 of 630



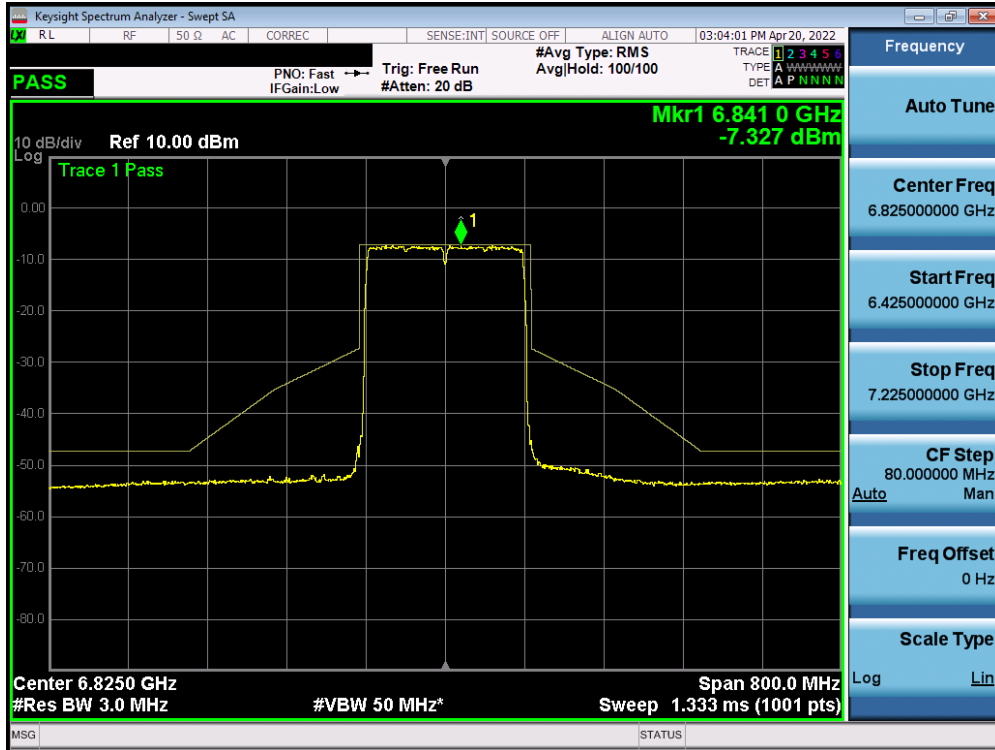
Plot 7-949. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 183)



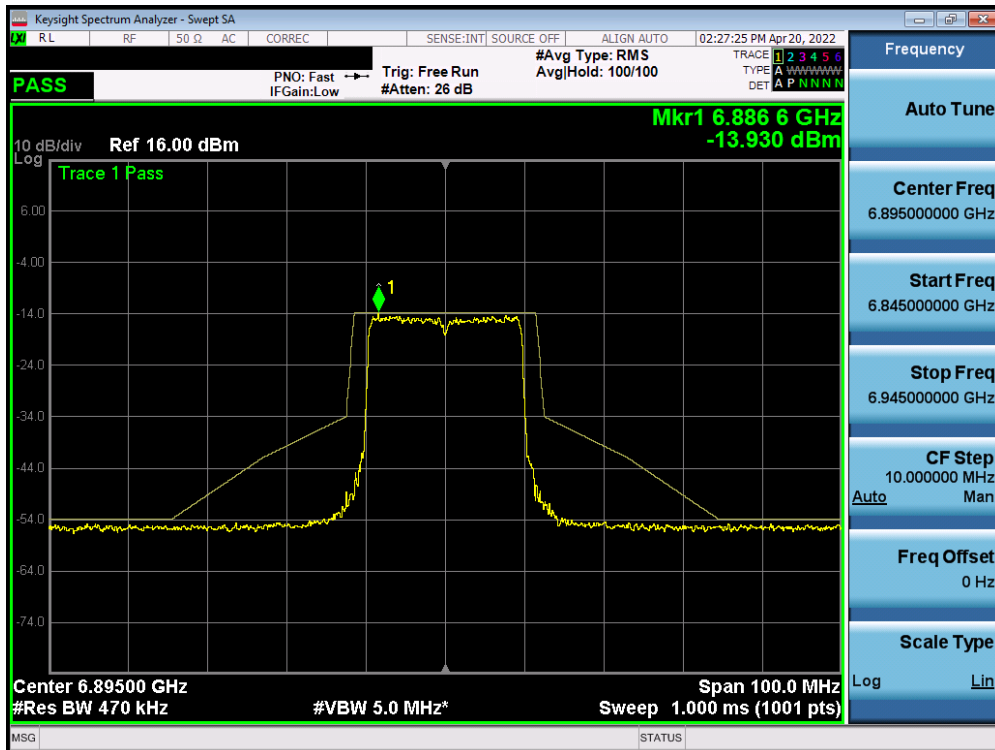
Plot 7-950. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 143)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 532 of 630



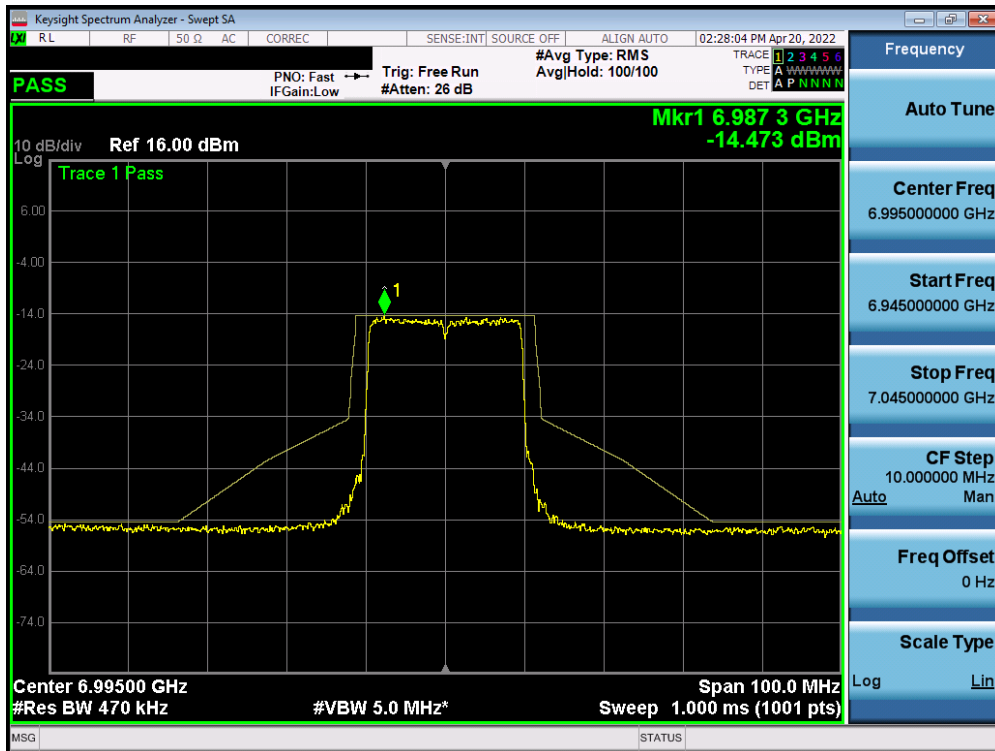


Plot 7-951. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 7) – Ch. 175)

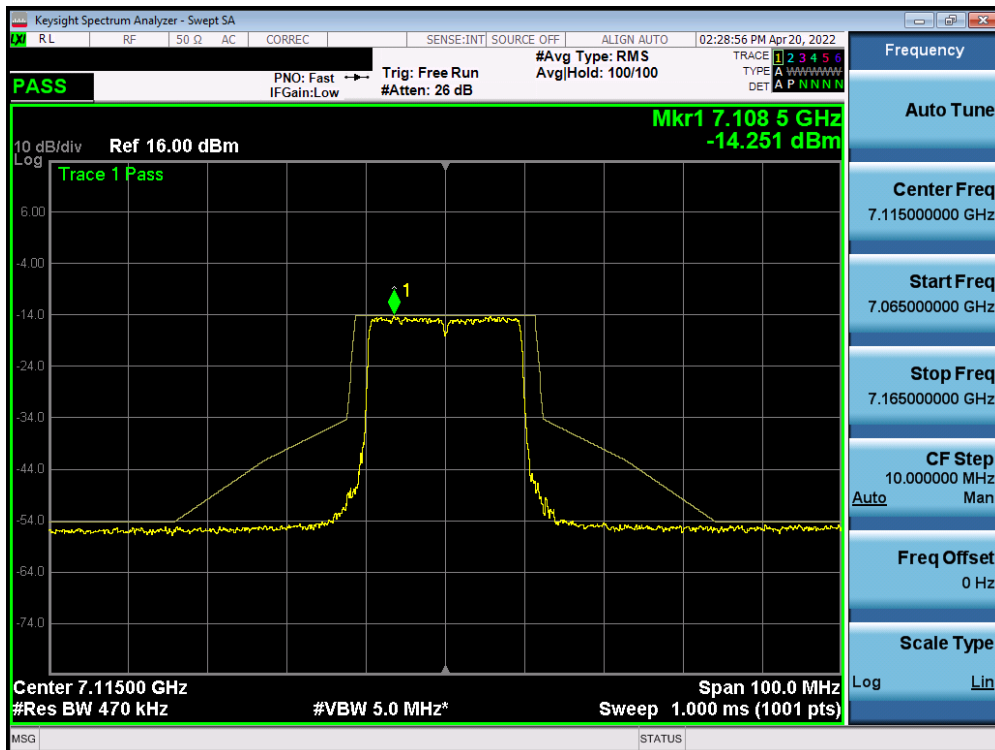


Plot 7-952. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 189)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 533 of 630



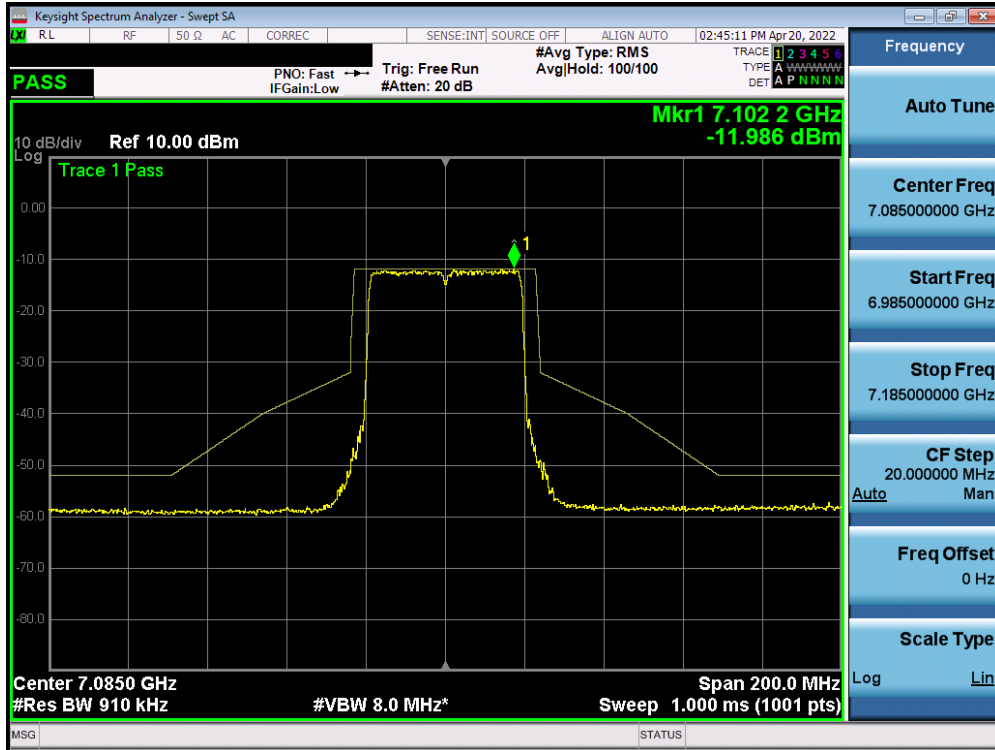
Plot 7-953. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 209)



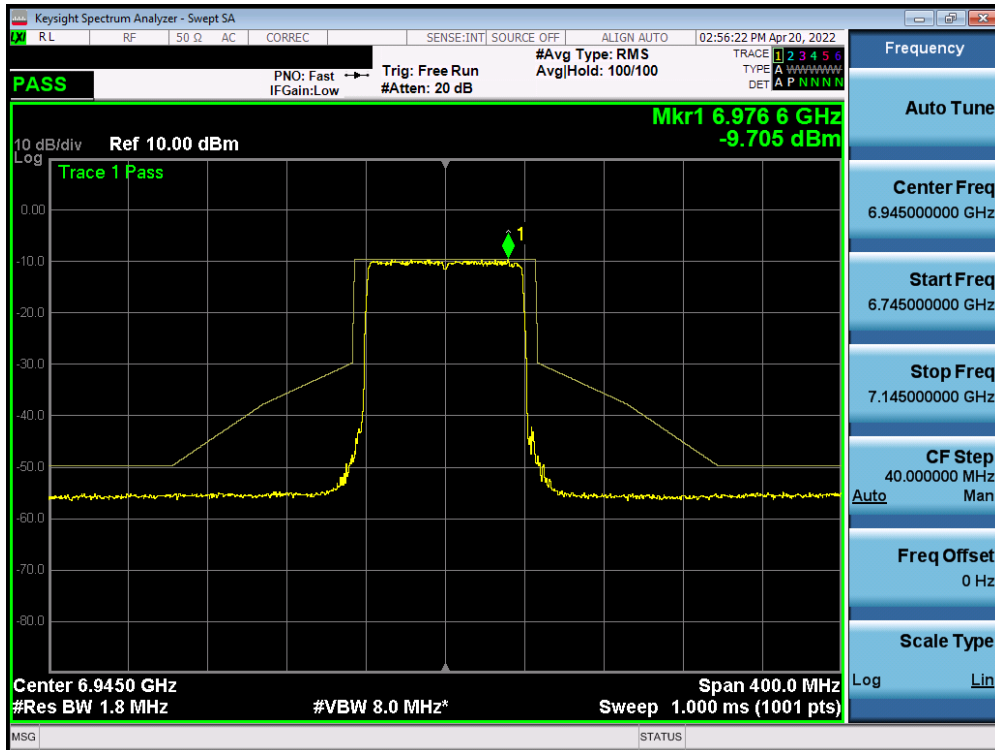
Plot 7-954. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 233)

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 534 of 630



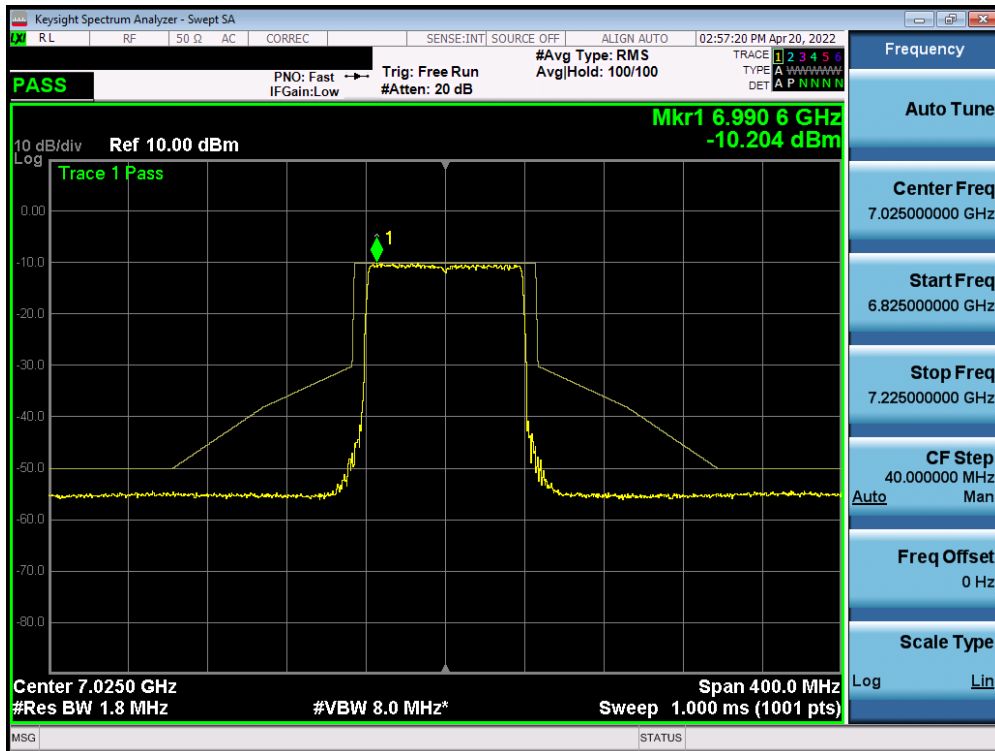


Plot 7-957. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 227)

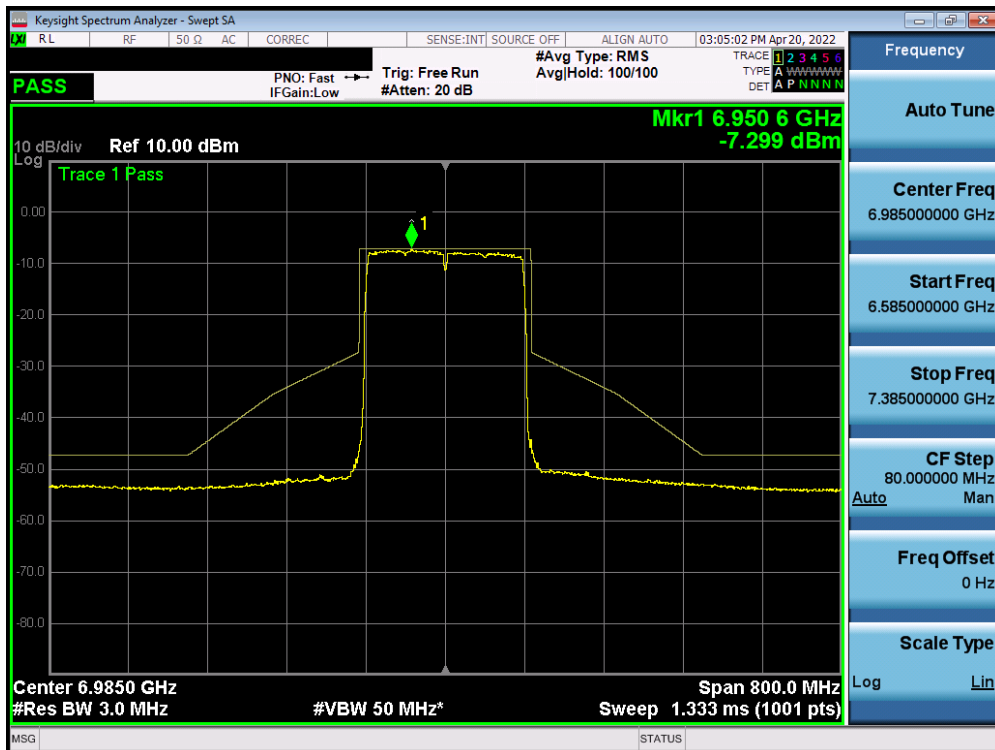


Plot 7-958. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 199)

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 536 of 630



Plot 7-959. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 215)



Plot 7-960. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax (Full Tone) (UNII Band 8) – Ch. 207)

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 537 of 630

## 7.6 Contention Based Protocol – 802.11ax §15.407(d)(6)

### Test Overview and Limit

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel.

### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2  
KDB 987594 D02 v01r01

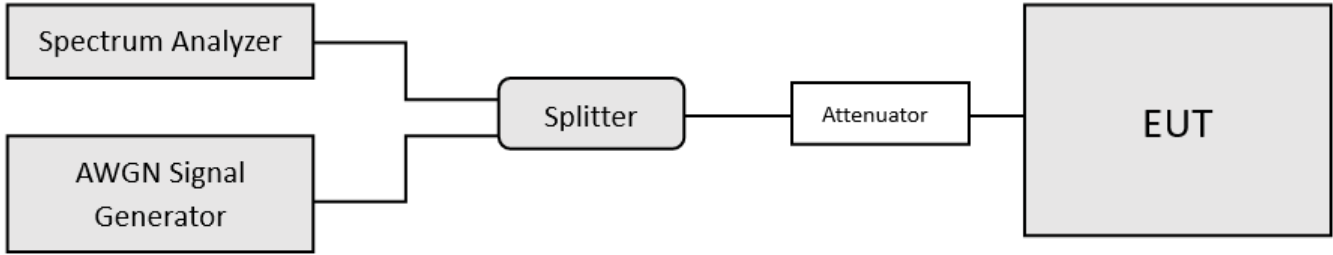
### Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

FCC ID: C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 538 of 630

### Test Setup

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



**Figure 7-5. Contention-based protocol test setup, conducted method**

### Test Notes

1. Per guidance from KDB 987594 D02 v01r01, contention based protocol was tested using an AWGN signal with a bandwidth of 10MHz (see Plot 7-349). The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission (see Plot 7-365), marker indicates the point at which the AWGN signal is introduced.
2. 15 trials were ran in order to assure that at least 90% of certainty was met.
3. Per Guidance from KDB 987594 D04 v01, contention based protocol was tested with receiver with the lowest antenna gain.
4. All CBP Timing Plots shown are for the ceased condition. Some spikes that may be shown are from adjacent portions of the spectrum that are still transmitting.

$$\text{Detection Level} = \text{Injected AWGN Power (dBm)} - \text{Antenna Gain (dBi)} + \text{Path Loss (dB)}$$

**Equation 7-1. Detection Level Calculation**

Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Path Loss (dB)	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-62.67	3.20	1.50	-64.37	-62.0	-2.37
				6110	-63.59	3.20	1.50	-65.29	-62.0	-3.29
	47	6185	160	6185	-62.70	3.20	1.50	-64.40	-62.0	-2.40
				6260	-68.35	3.20	1.50	-70.05	-62.0	-8.05
UNII Band 6	101	6455	20	6455	-61.56	2.40	1.50	-62.46	-62.0	-0.46
				6430	-69.74	2.40	1.50	-70.64	-62.0	-8.64
	111	6505	160	6505	-64.93	2.40	1.50	-65.83	-62.0	-3.83
				6580	-68.89	2.40	1.50	-69.79	-62.0	-7.79
UNII Band 7	149	6695	20	6695	-61.19	3.30	1.50	-62.99	-62.0	-0.99
				6750	-69.08	3.30	1.50	-70.88	-62.0	-8.88
	175	6825	160	6825	-62.46	3.30	1.50	-64.26	-62.0	-2.26
				6900	-70.02	3.30	1.50	-71.82	-62.0	-9.82
UNII Band 8	197	6935	20	6935	-60.32	3.30	1.50	-62.12	-62.0	-0.12
				6910	-68.26	3.30	1.50	-70.06	-62.0	-8.06
	207	6985	160	6985	-63.48	3.30	1.50	-65.28	-62.0	-3.28
				7060	-69.45	3.30	1.50	-71.25	-62.0	-9.25

**Table 7-74. Contention Based Protocol – Incumbent Detection Results**

<b>FCC ID:</b> C3K1997	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204040049-18-R2.C3K	<b>Test Dates:</b> 3/14/2022 – 8/18/2022	<b>EUT Type:</b> Portable Computing Device	Page 539 of 630



Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	EUT Transmission Status		
					Adjusted AWGN Power (dBm)		
					Normal	Minimal	Ceased
UNII Band 5	53	6215	20	6215	-70.37	-66.37	-64.37
	47	6185	160	6110	-71.29	-67.29	-65.29
				6185	-70.40	-66.40	-64.40
				6260	-76.05	-72.05	-70.05
UNII Band 6	101	6455	20	6455	-68.46	-64.46	-62.46
	111	6505	160	6430	-76.64	-72.64	-70.64
				6505	-71.83	-67.83	-65.83
				6580	-75.79	-71.79	-69.79
UNII Band 7	149	6695	20	6695	-70.99	-66.99	-62.99
	175	6825	160	6750	-78.88	-74.88	-70.88
				6825	-72.26	-68.26	-64.26
				6900	-79.82	-75.82	-71.82
UNII Band 8	197	6935	20	6935	-70.12	-66.12	-62.12
	207	6985	160	6910	-78.06	-74.06	-70.06
				6985	-73.28	-69.28	-65.28
				7060	-79.25	-75.25	-71.25

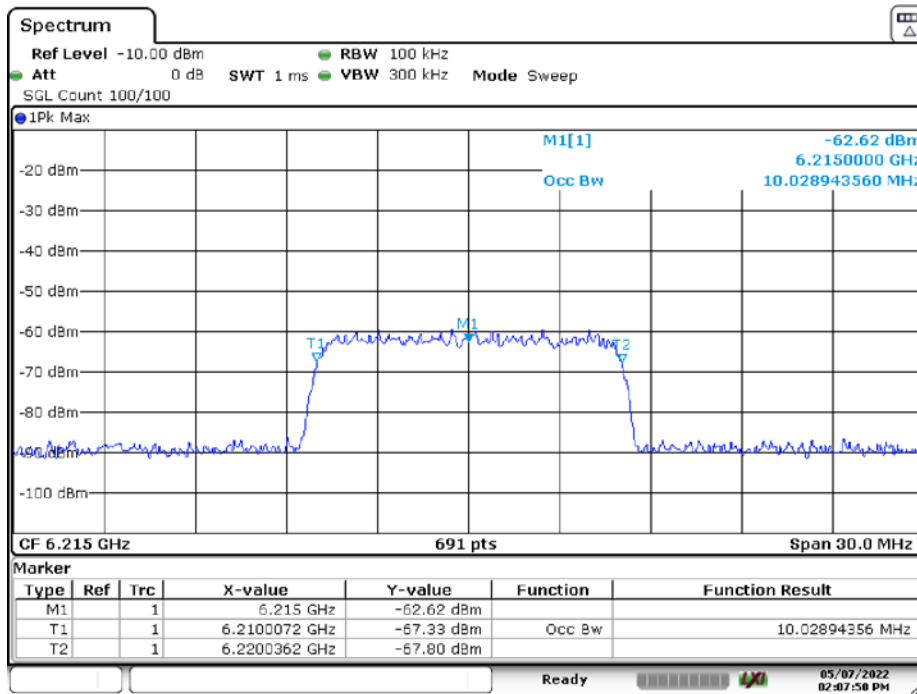
**Table 7-75. Contention Based Protocol – Detection Results – All Tx Cases**

Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate (%)		
UNII Band 5	53	6215	20	6215	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	
				6110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	47	6185	160	6185	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	
				6260	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 6	101	6455	20	6455	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	
				6430	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	111	6505	160	6505	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6580	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 7	149	6695	20	6695	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6750	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	175	6825	160	6825	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 8	197	6935	20	6935	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6910	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	207	6985	160	6985	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				7060	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

**Table 7-76. Contention Based Protocol – Incumbent Detection Trial Results**

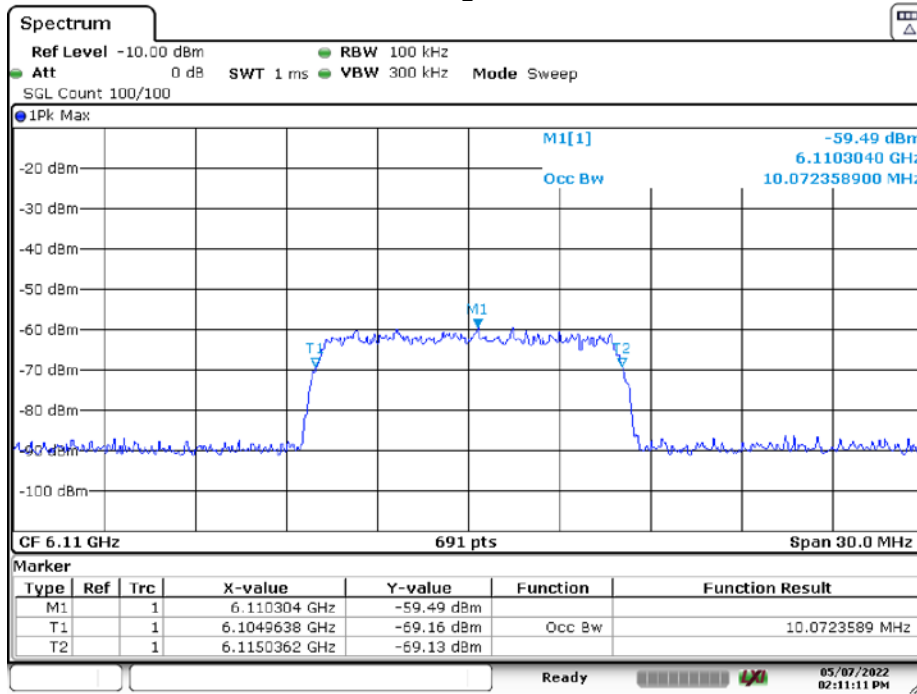
<b>FCC ID: C3K1997</b>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204040049-18-R2.C3K	<b>Test Dates:</b> 3/14/2022 – 8/18/2022	<b>EUT Type:</b> Portable Computing Device	Page 540 of 630

### AWGN Plots



Date: 7.MAY.2022 14:07:50

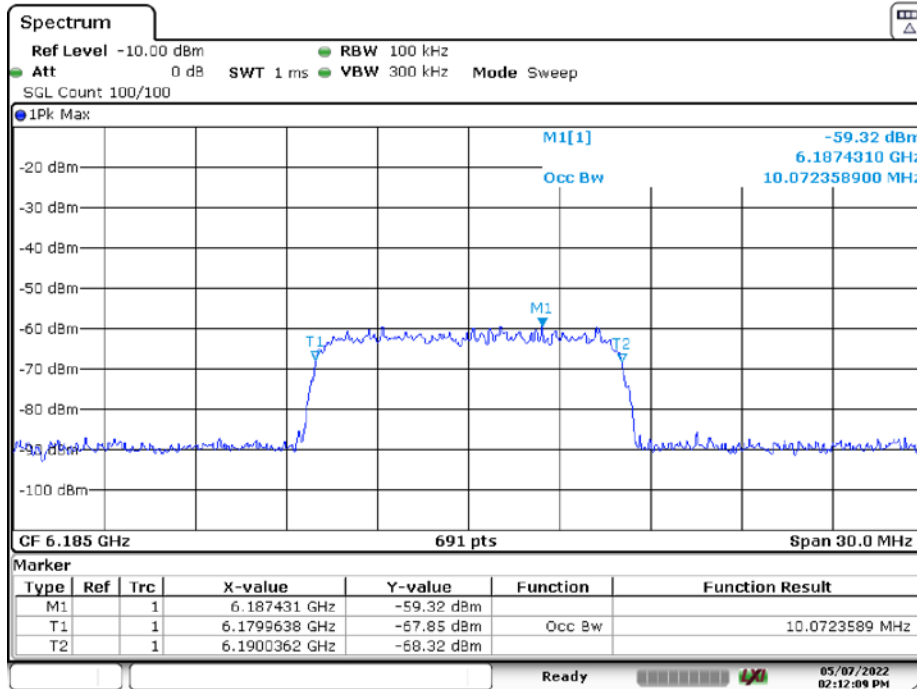
**Plot 7-961. AWGN Signal – UNII 5 – 20MHz**



Date: 7.MAY.2022 14:11:11

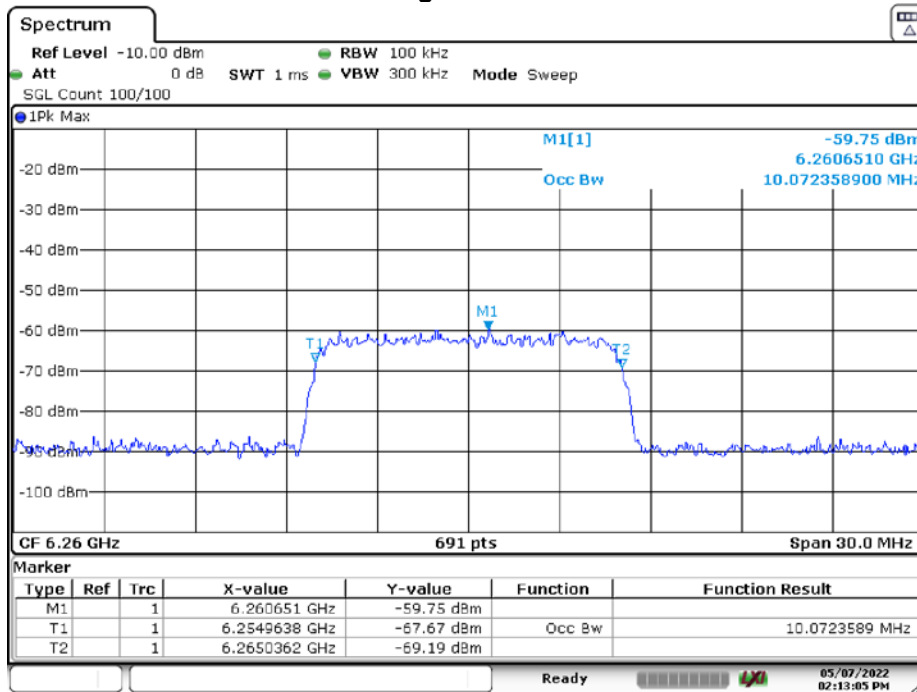
**Plot 7-962. AWGN Signal – UNII 5 – 160MHz - Low**

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device		Page 541 of 630



Date: 7.MAY.2022 14:12:09

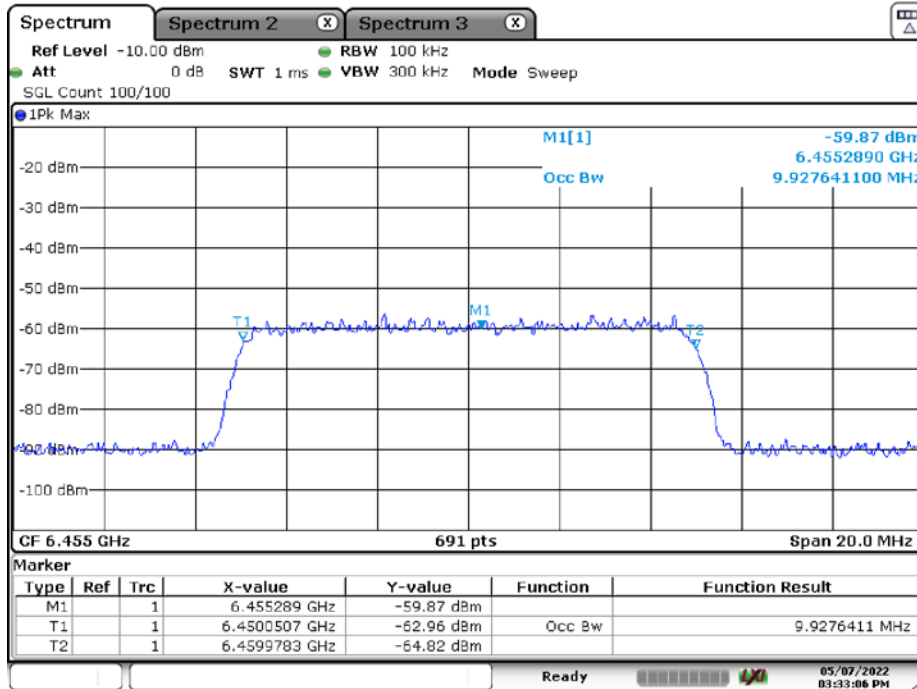
**Plot 7-963. AWGN Signal – UNII 5 – 160MHz - Mid**



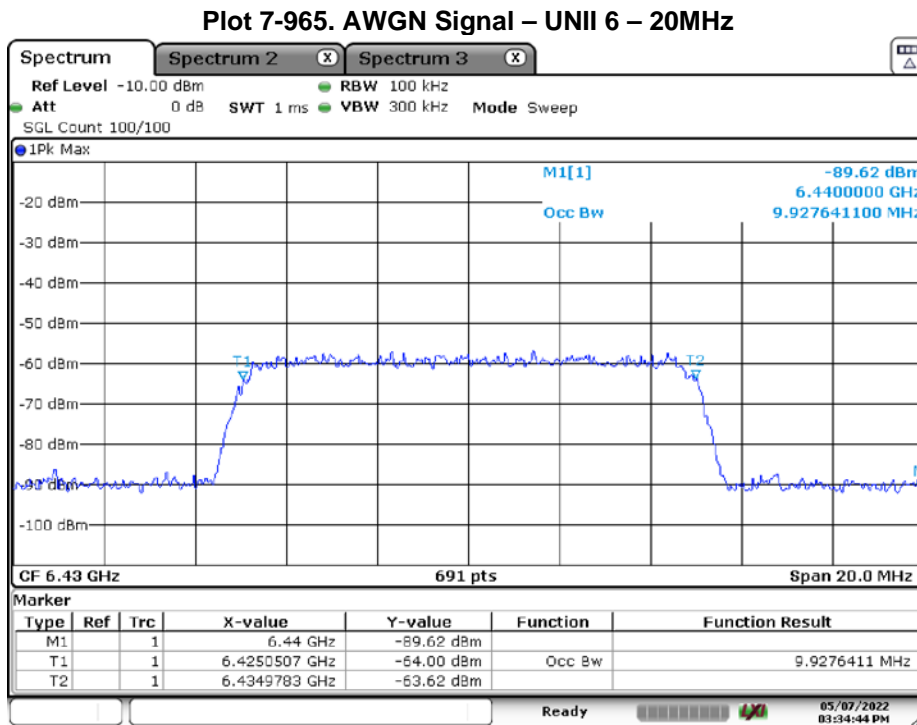
Date: 7.MAY.2022 14:13:05

**Plot 7-964. AWGN Signal – UNII 5 – 160MHz - High**

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 542 of 630

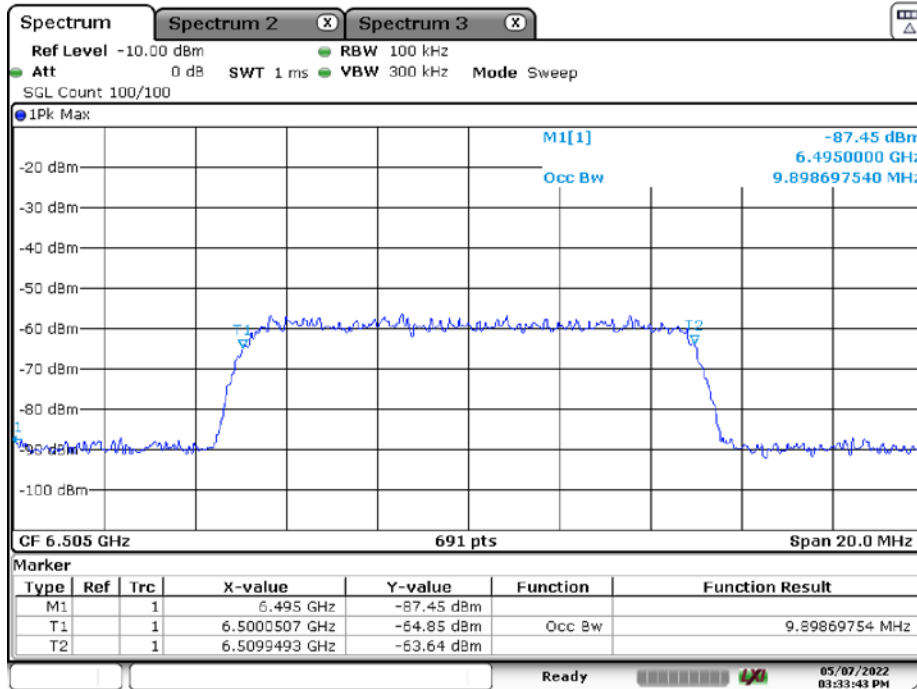


Date: 7.MAY.2022 15:33:06



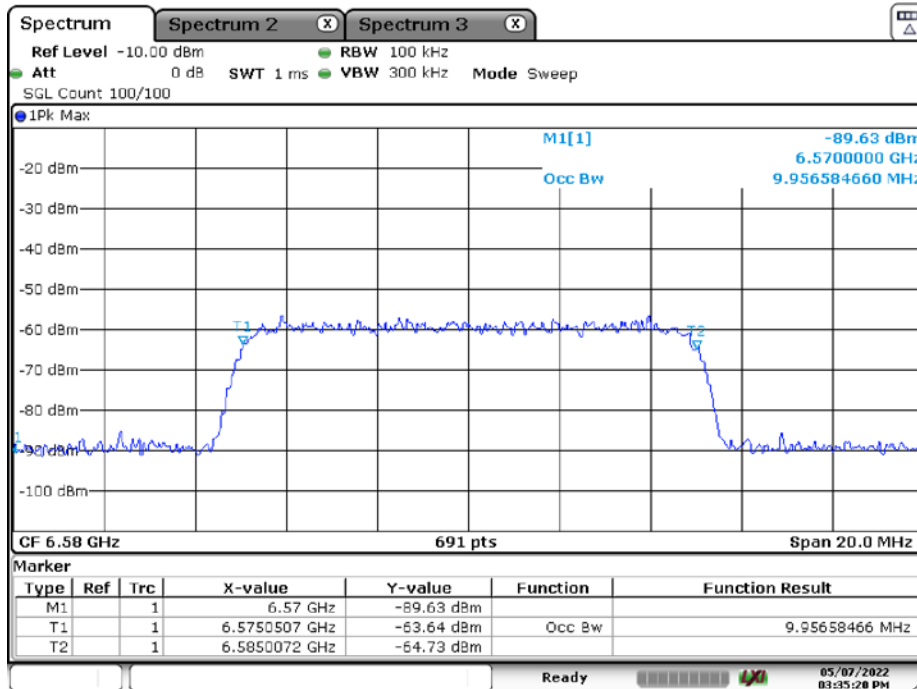
Date: 7.MAY.2022 15:34:43

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device		Page 543 of 630



Date: 7.MAY.2022 15:33:43

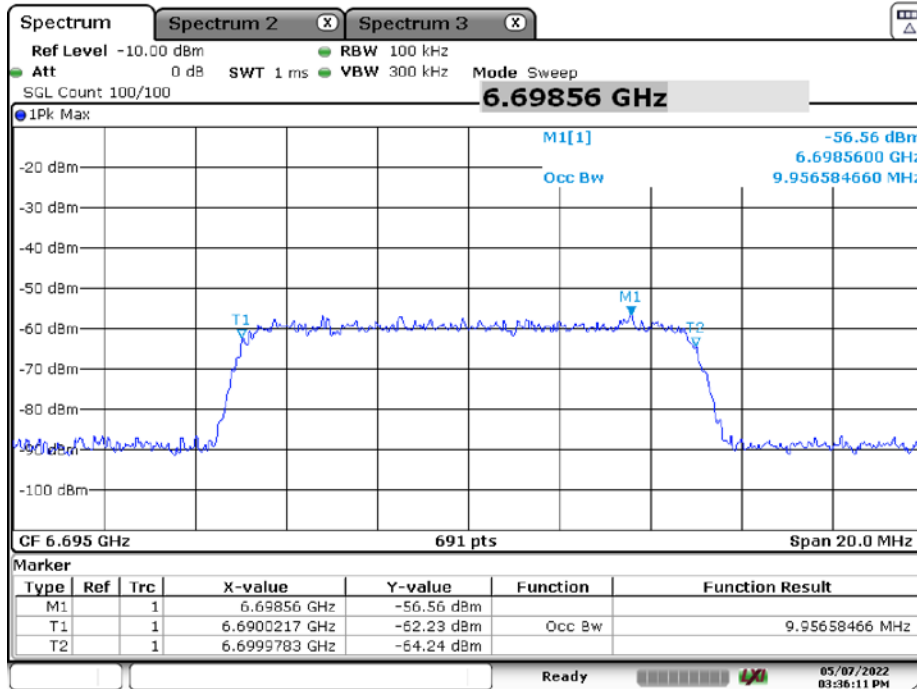
**Plot 7-967. AWGN Signal – UNII 6 – 160MHz - Mid**



Date: 7.MAY.2022 15:35:20

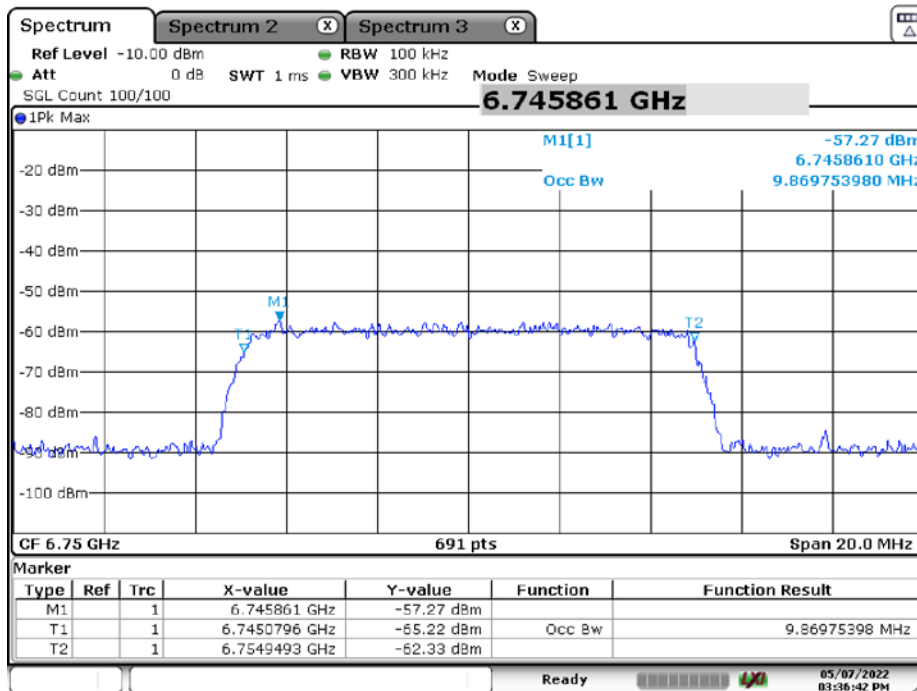
**Plot 7-968. AWGN Signal – UNII 6 – 160MHz - High**

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 544 of 630



Date: 7.MAY.2022 15:36:11

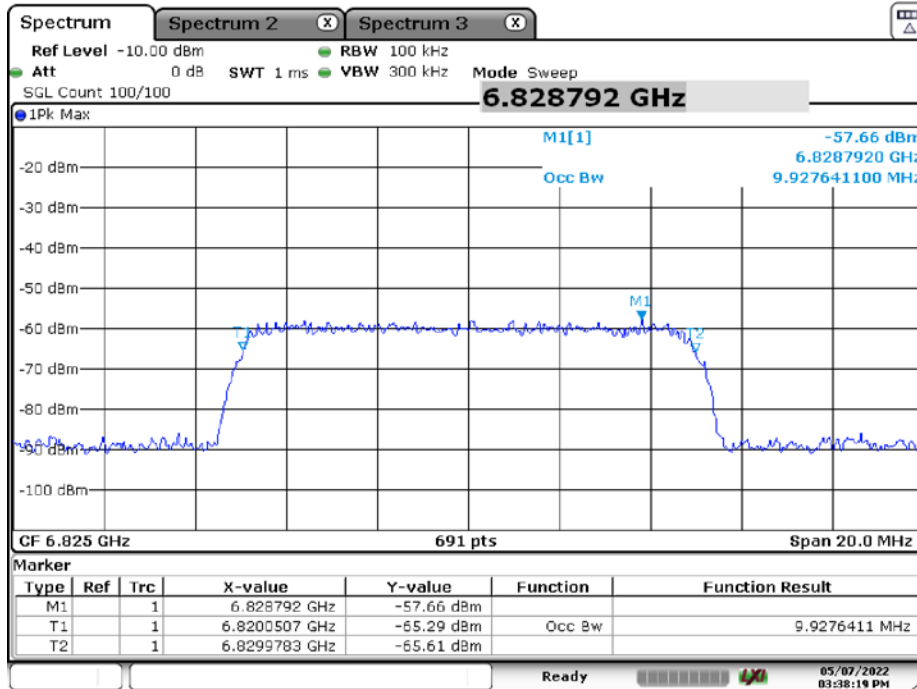
Plot 7-969. AWGN Signal – UNII 7 – 20MHz



Date: 7.MAY.2022 15:36:42

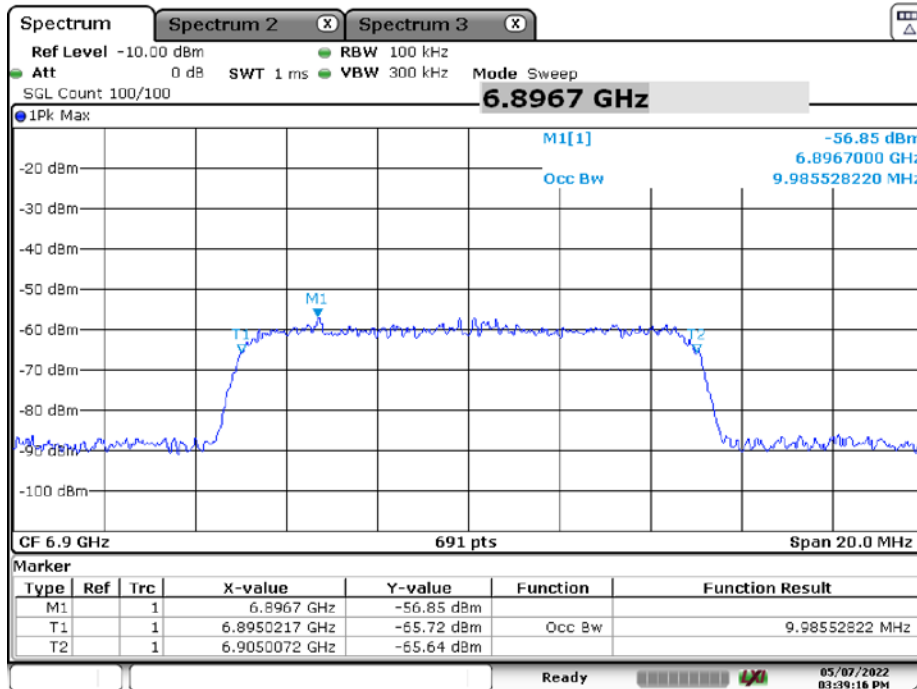
Plot 7-970. AWGN Signal – UNII 7 – 160MHz - Low

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 545 of 630



Date: 7.MAY.2022 15:38:18

**Plot 7-971. AWGN Signal – UNII 7 – 160MHz - Mid**

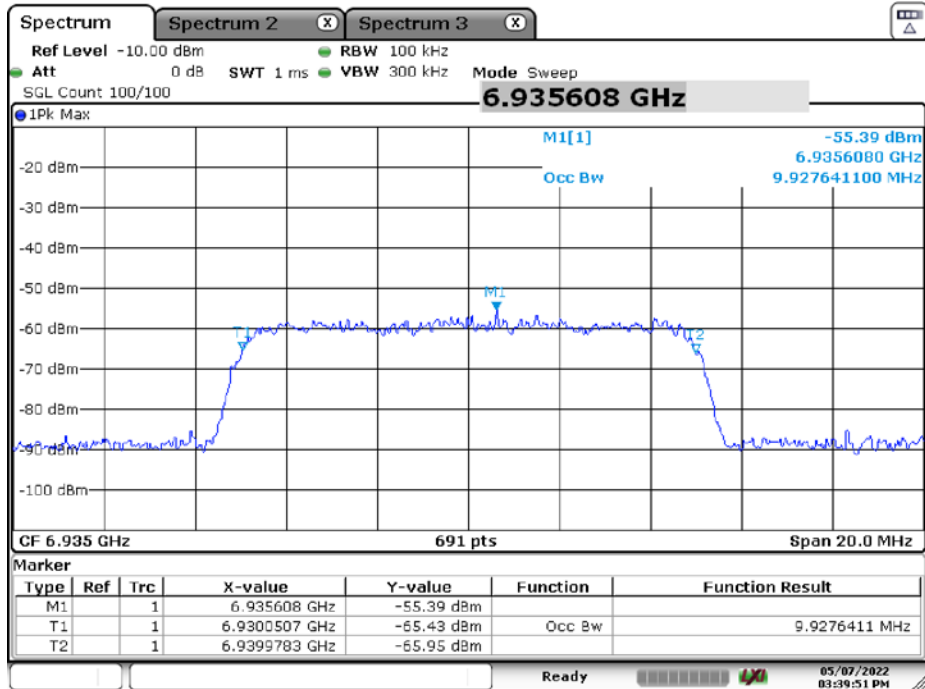


Date: 7.MAY.2022 15:39:16

**Plot 7-972. AWGN Signal – UNII 7 – 160MHz - High**

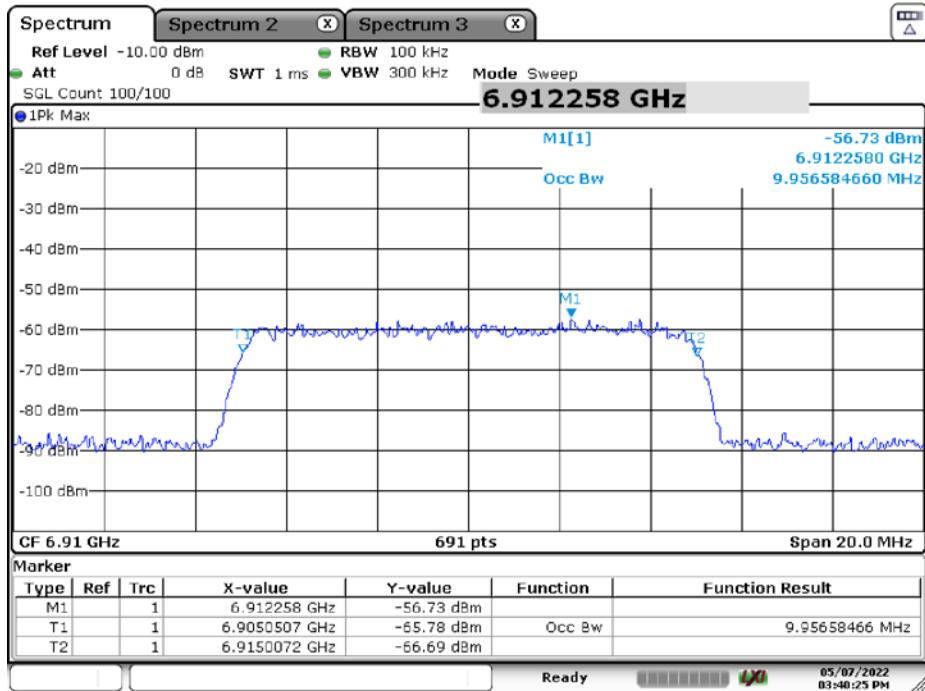
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 546 of 630





Date: 7.MAY.2022 15:39:51

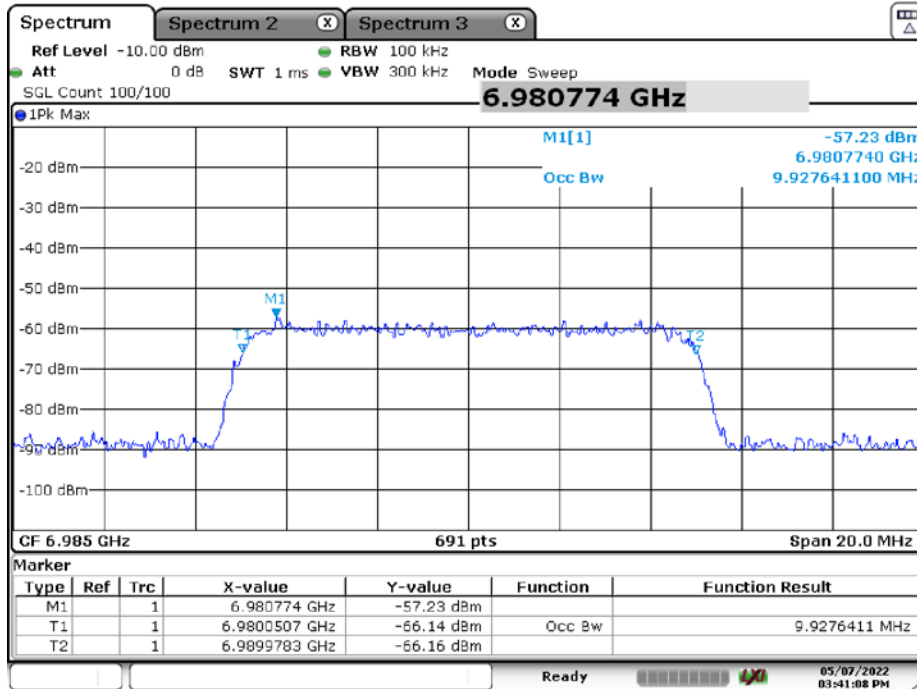
Plot 7-973. AWGN Signal – UNII 8 – 20MHz



Date: 7.MAY.2022 15:40:24

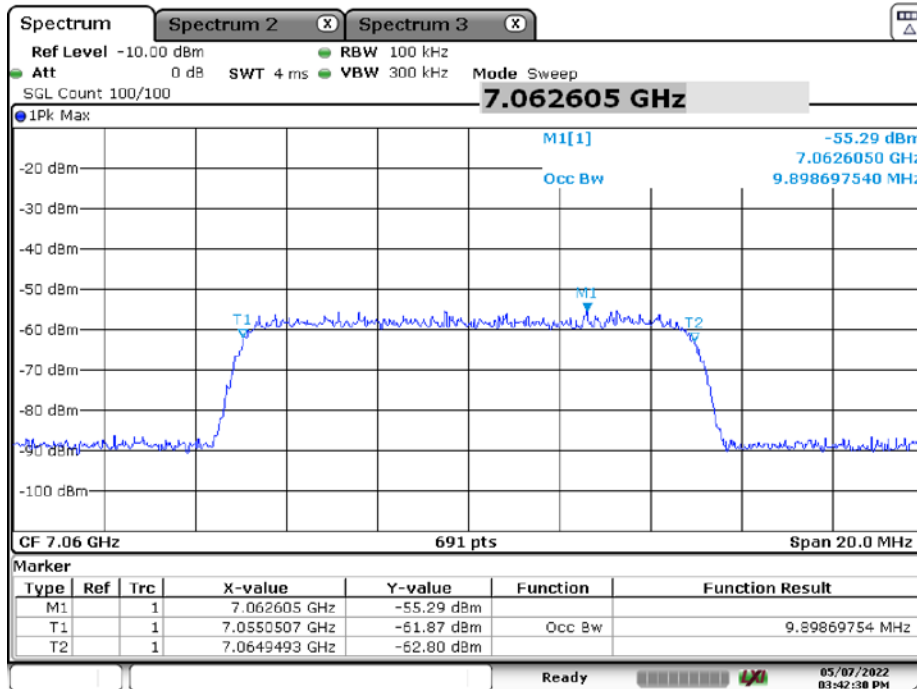
Plot 7-974. AWGN Signal – UNII 8 – 160MHz - Low

FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 547 of 630



Date: 7.MAY.2022 15:41:07

Plot 7-975. AWGN Signal – UNII 8 – 160MHz - Mid

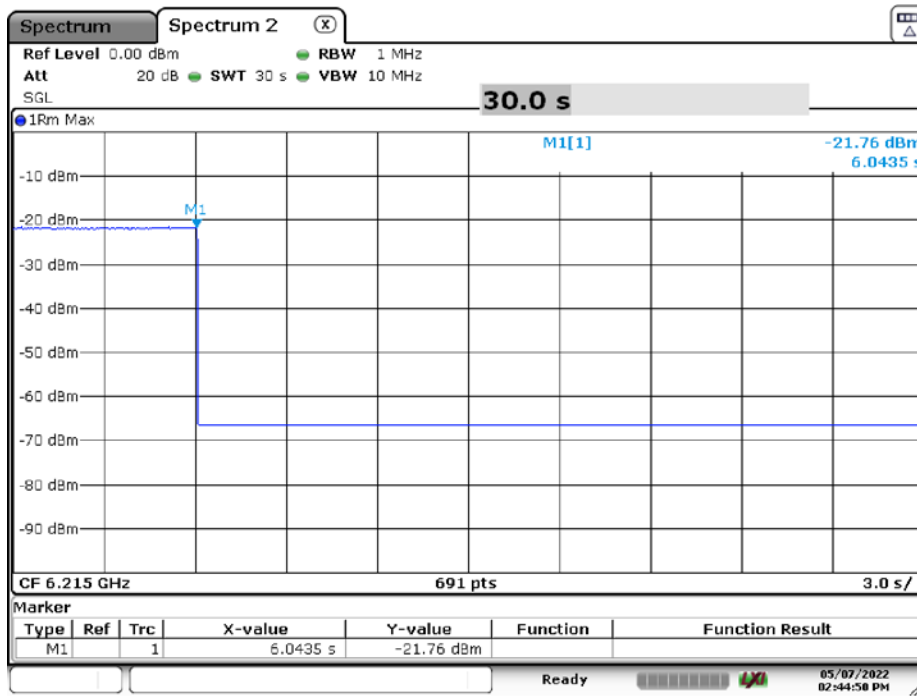


Date: 7.MAY.2022 15:42:30

Plot 7-976. AWGN Signal – UNII 8 – 160MHz - High

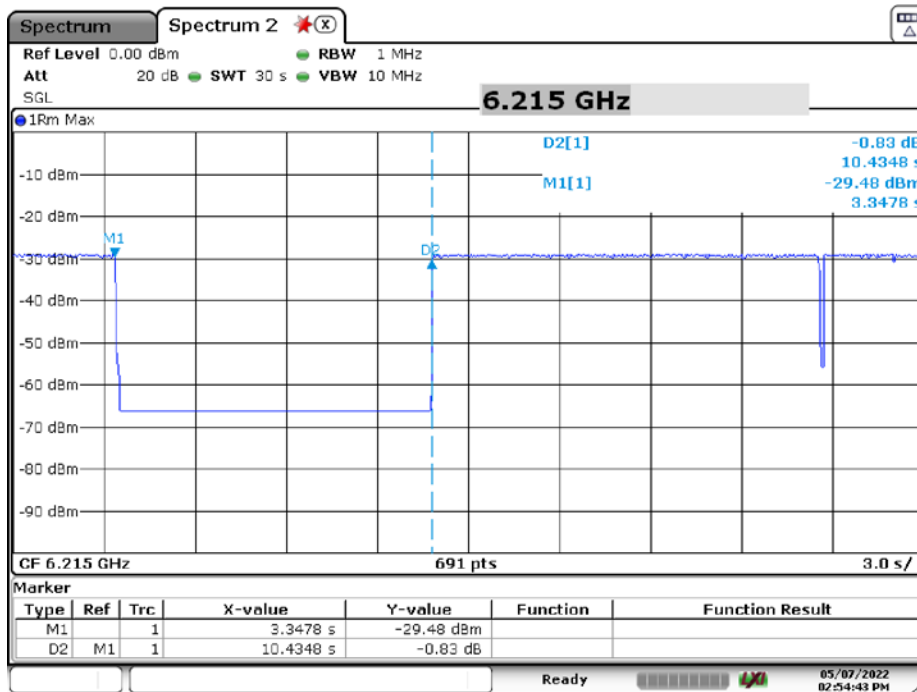
FCC ID: C3K1997	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device	Page 548 of 630

### CBP Timing Plots



Date: 7.MAY.2022 14:44:50

Plot 7-977. Contention Based Protocol Timing Plot – UNII 5 – 20MHz Ch53



Date: 7.MAY.2022 14:54:43

Plot 7-978. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Ch47 – Low

FCC ID: C3K1997		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204040049-18-R2.C3K	Test Dates: 3/14/2022 – 8/18/2022	EUT Type: Portable Computing Device		Page 549 of 630