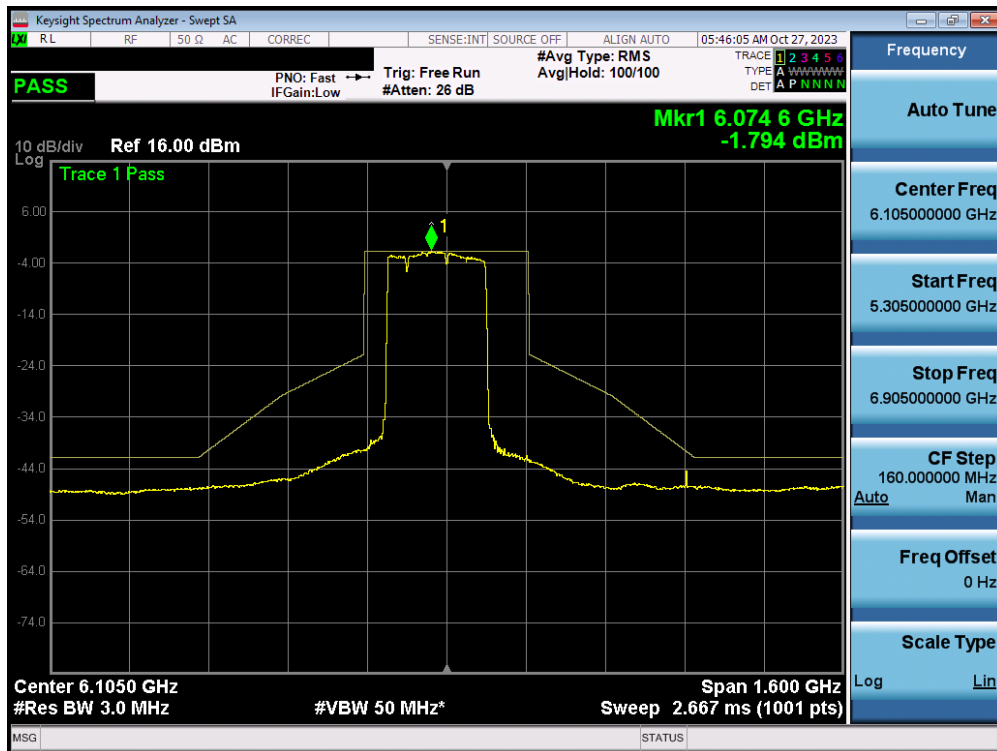


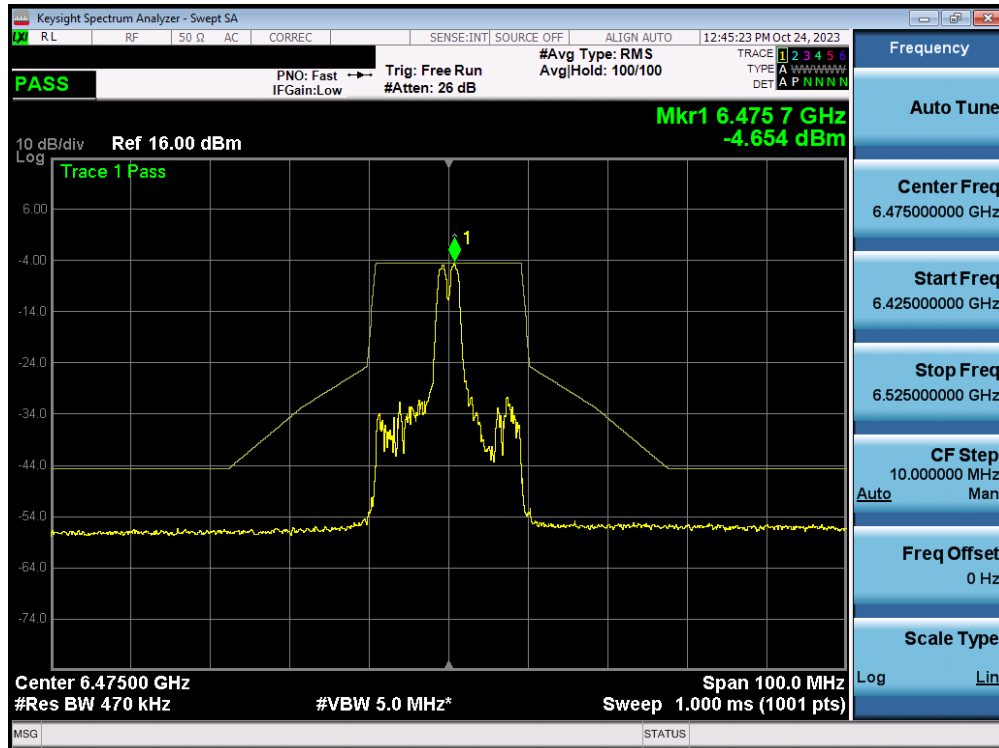
Plot 7-408. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 5) – Ch. 31) – SP – 3x996T



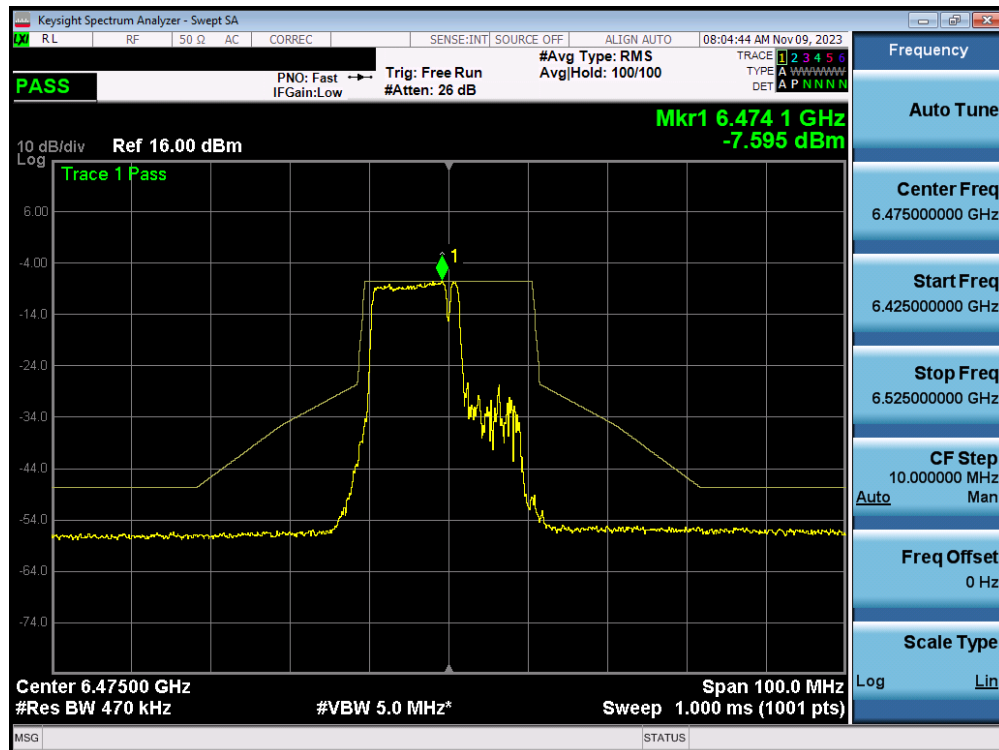
Plot 7-409. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 5) – Ch. 31) – SP – 2x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Partial Tones) – (UNII Band 6)

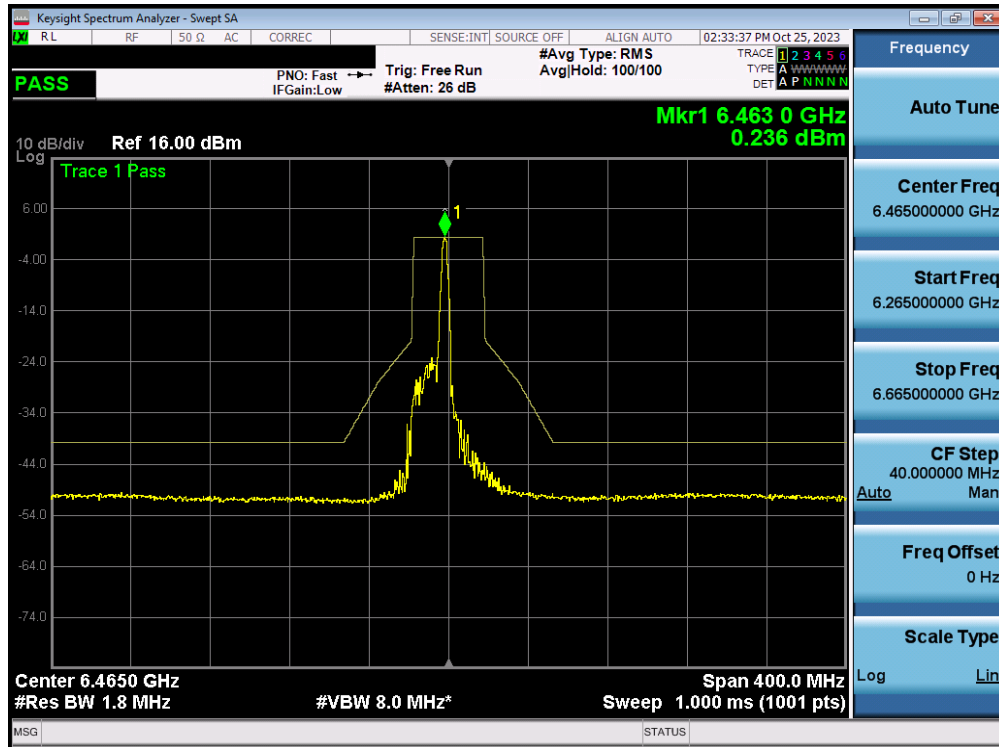


Plot 7-410. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (26 Tones) (UNII Band 6) – Ch. 105) – LPI

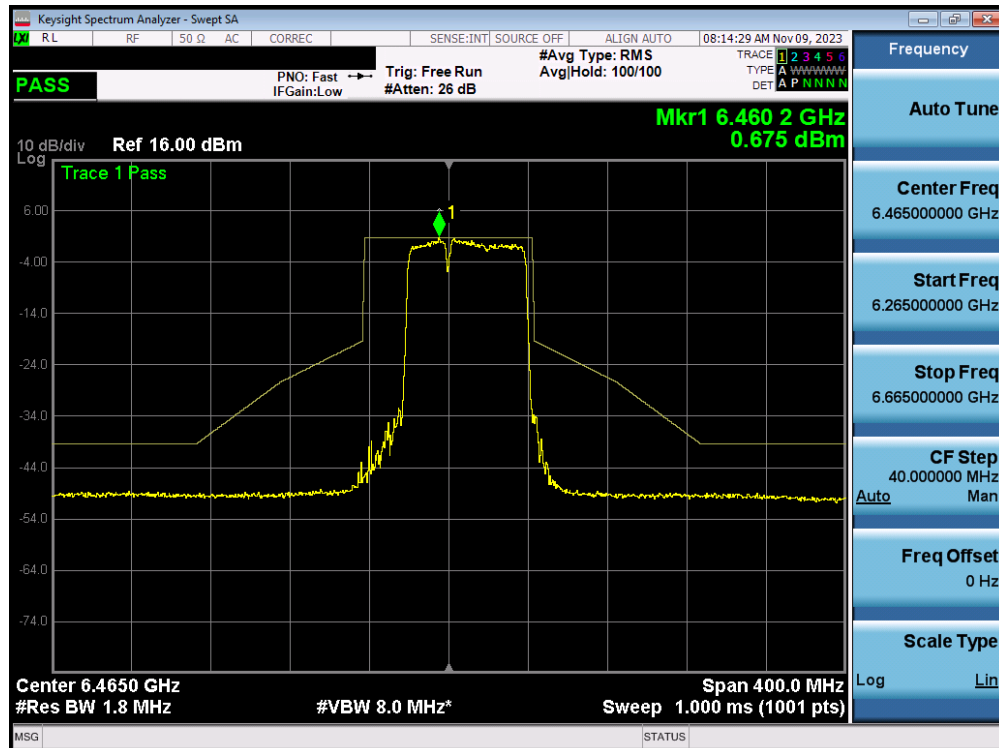


Plot 7-411. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 6) – Ch. 105) – LPI – 106+26T

FCC ID: A3LSMS928B		MEASUREMENT REPORT		Approved by:
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		EUT Type:		
		Portable Handset		

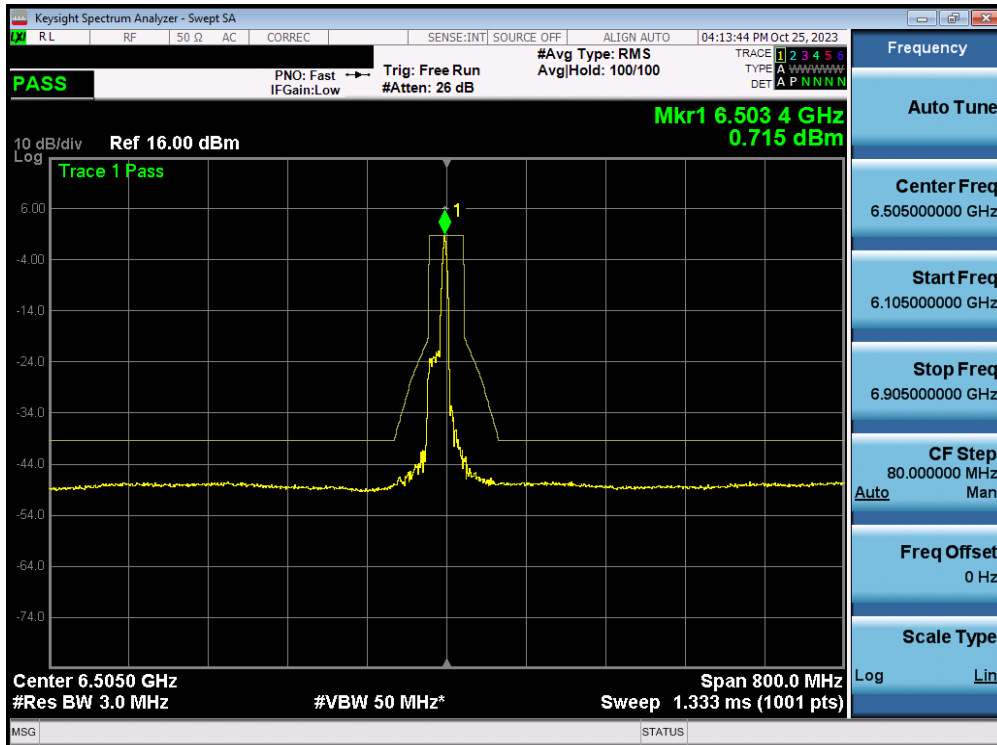


Plot 7-414. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (26 Tones) (UNII Band 6) – Ch. 103) – LPI

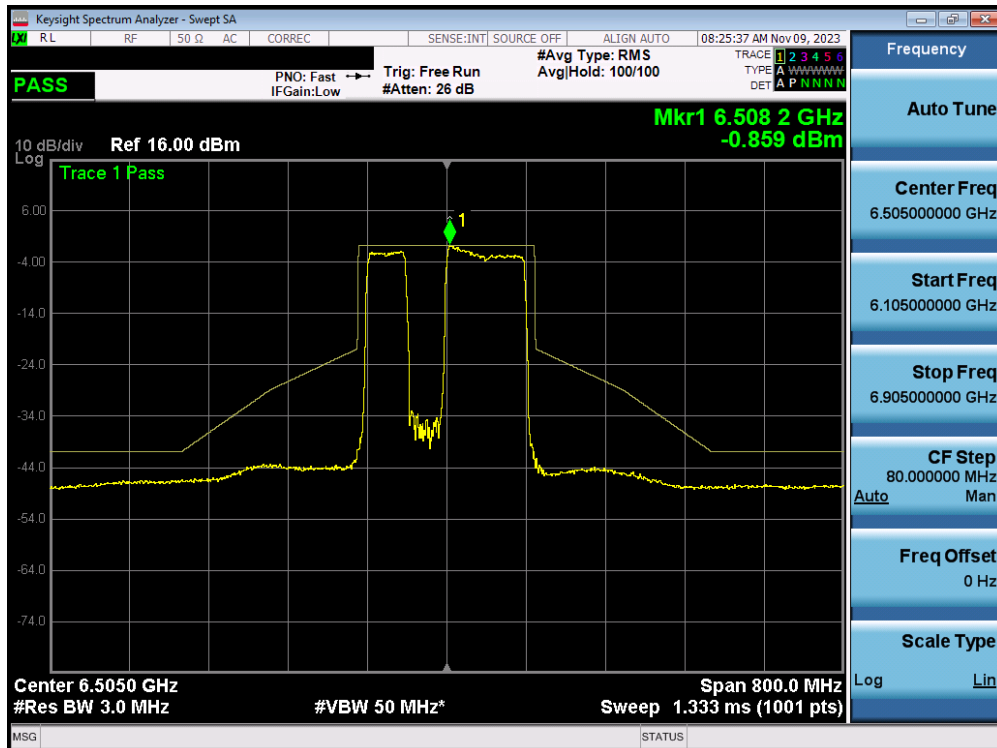


Plot 7-415. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (MRU) (UNII Band 6) – Ch. 103) – LPI – 484+242T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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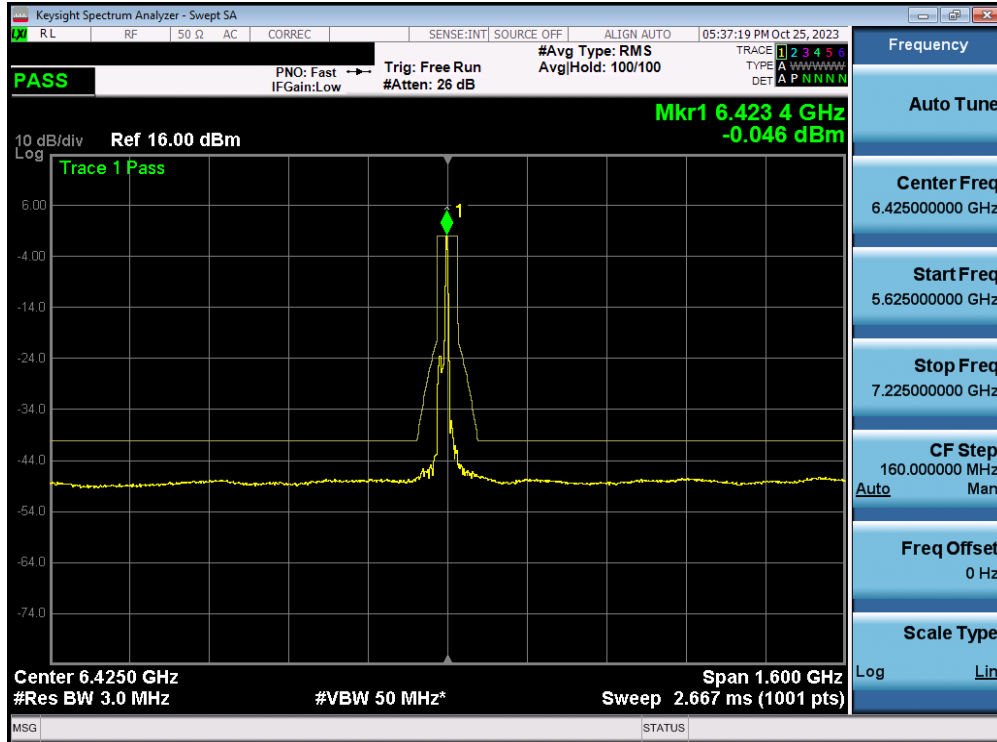


Plot 7-416. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (26 Tones) (UNII Band 6) – Ch. 111) – LPI

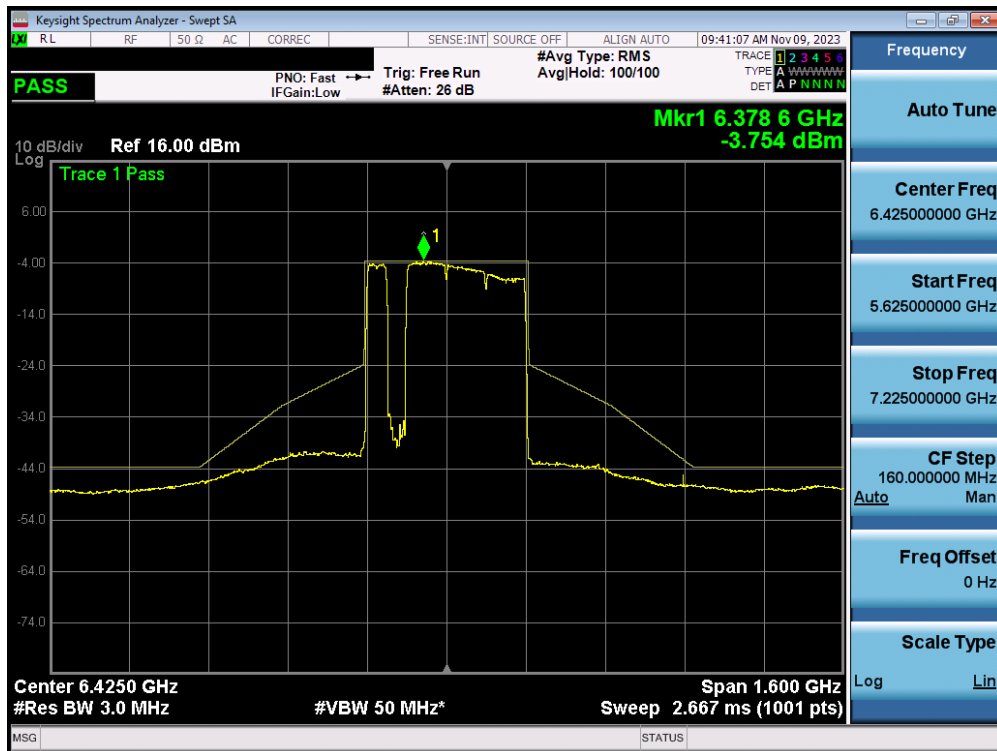


Plot 7-417. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (MRU) (UNII Band 6) – Ch. 111) – LPI – 996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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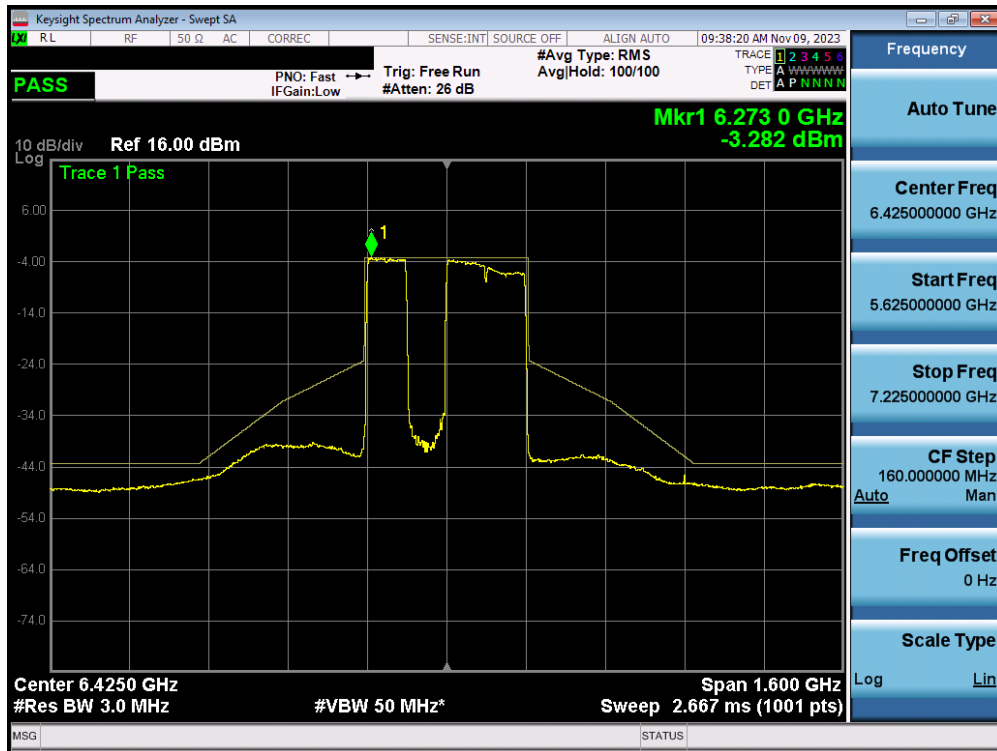


Plot 7-418. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (26 Tones) (UNII Band 5/6/7) – Ch. 95) – LPI

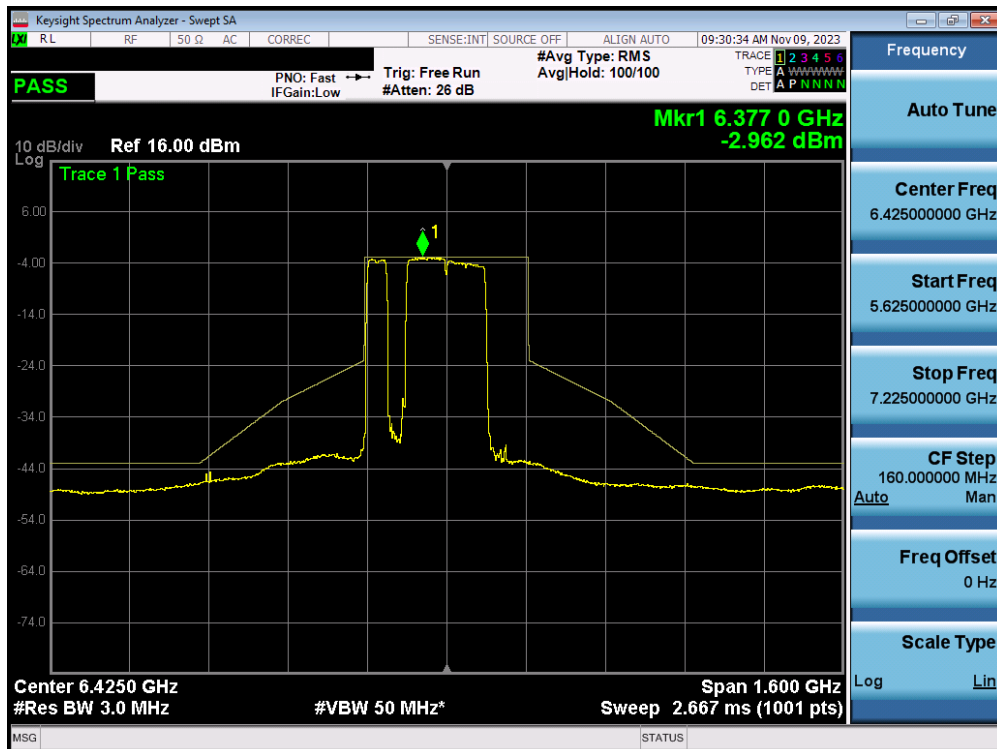


Plot 7-419. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 5/6/7) – Ch. 95) – LPI – 3x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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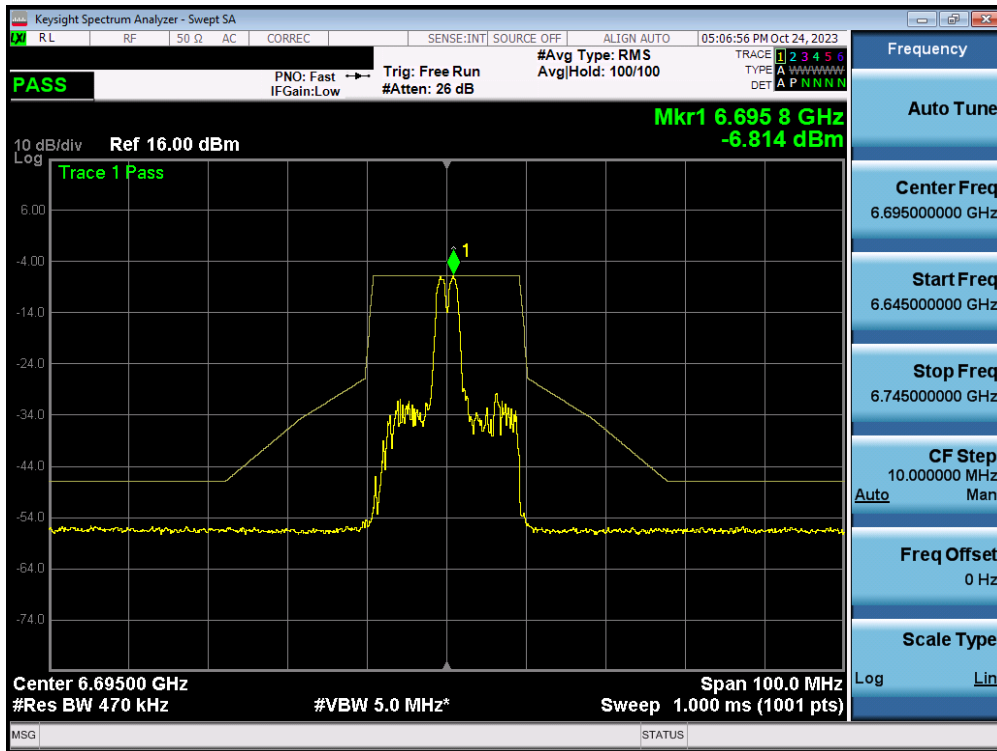
Plot 7-420. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 5/6/7) – Ch. 95) – LPI – 3x996T



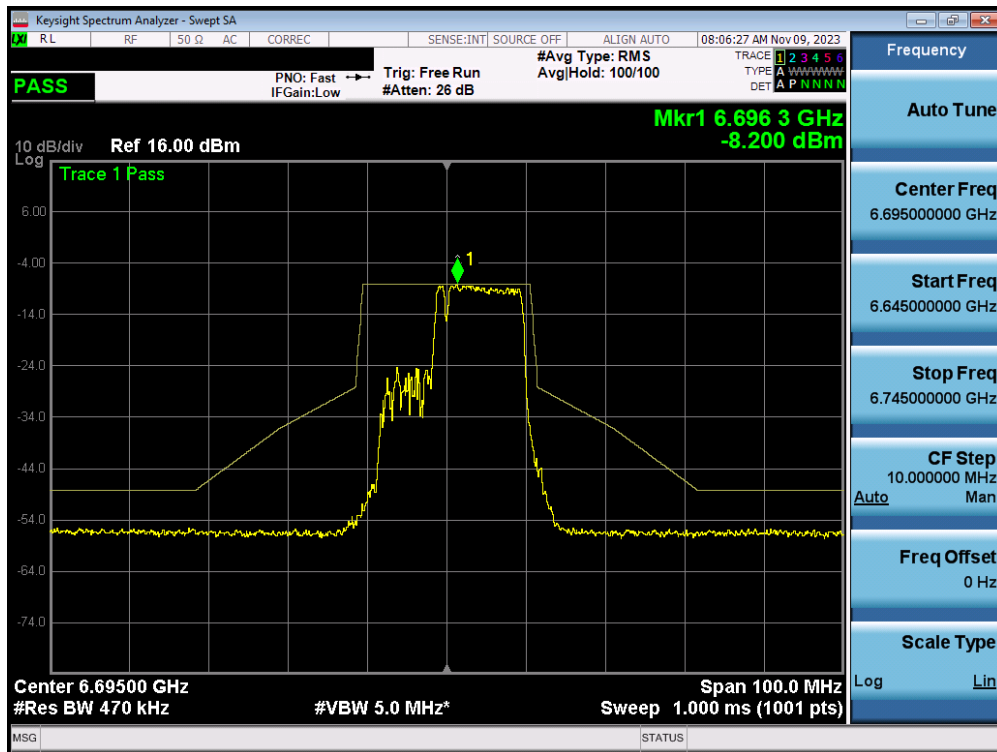
Plot 7-421. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 5/6/7) – Ch. 95) – LPI – 2x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Partial Tones) – (UNII Band 7)

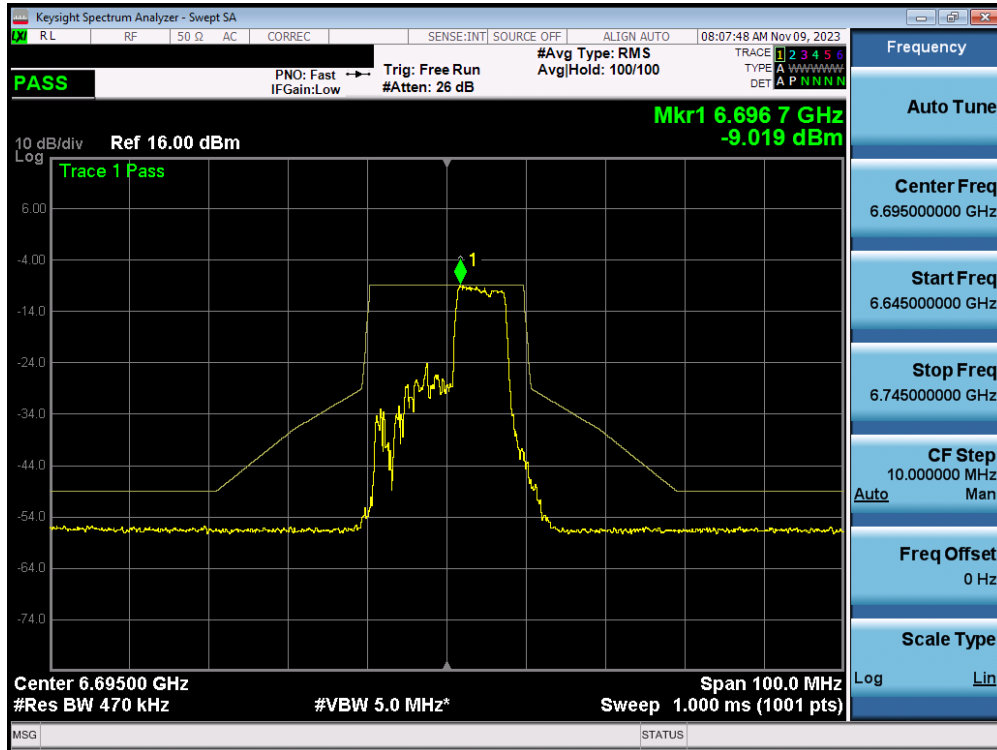


Plot 7-422. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 149) – LPI

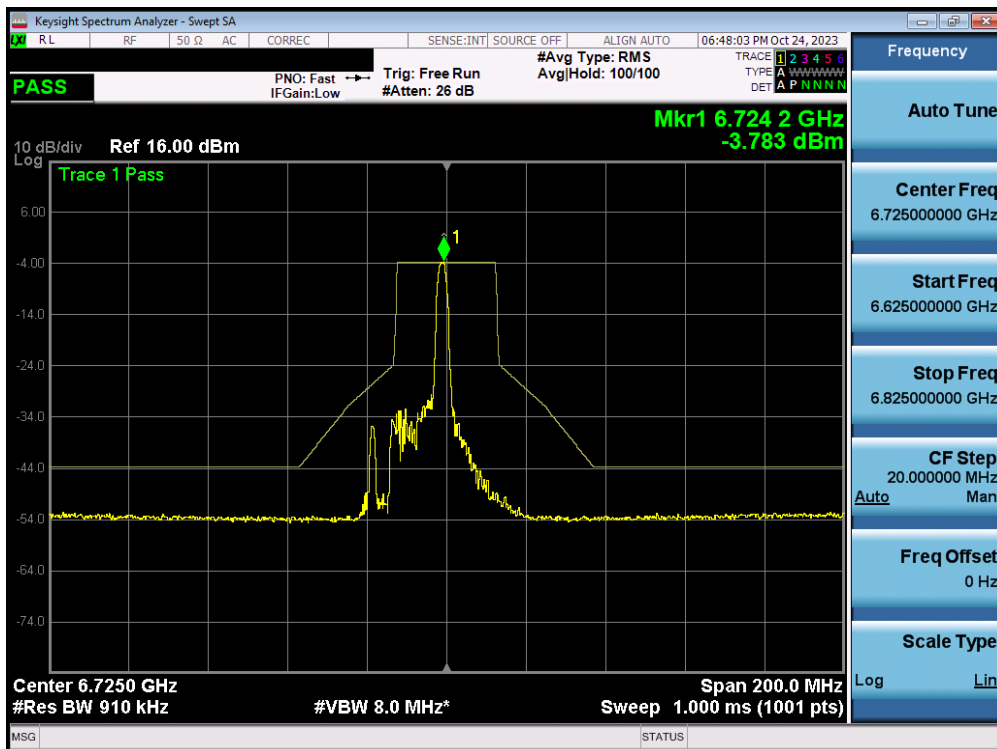


Plot 7-423. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 149) – LPI – 106+26T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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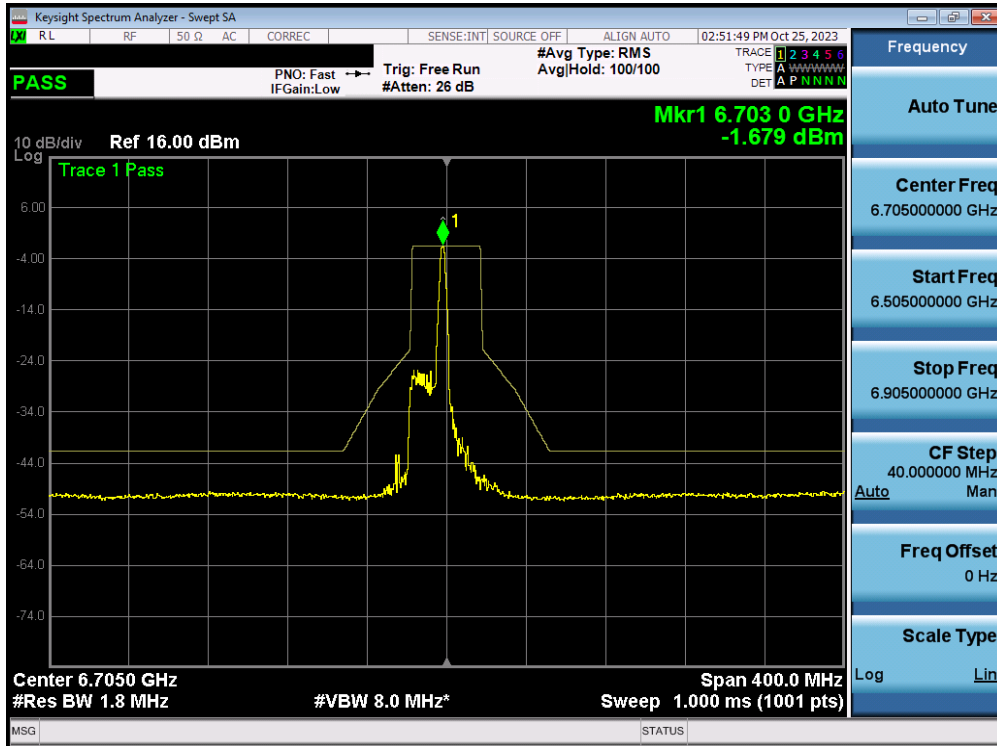


Plot 7-424. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 149) – LPI – 52+26T

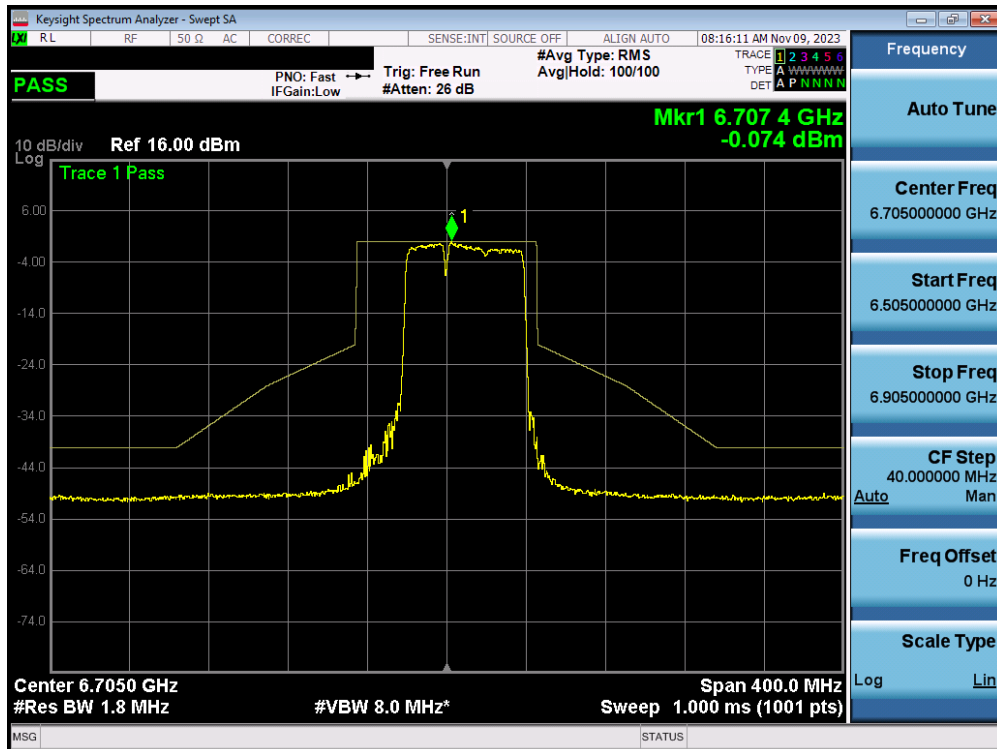


Plot 7-425. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 155) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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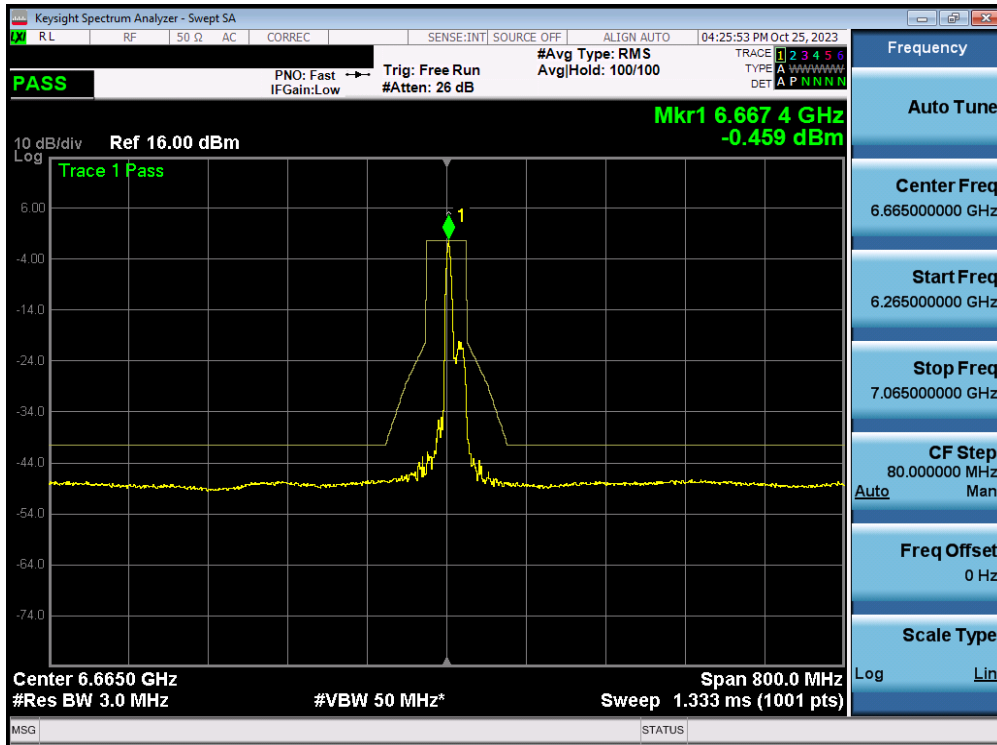


Plot 7-426. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 151) – LPI

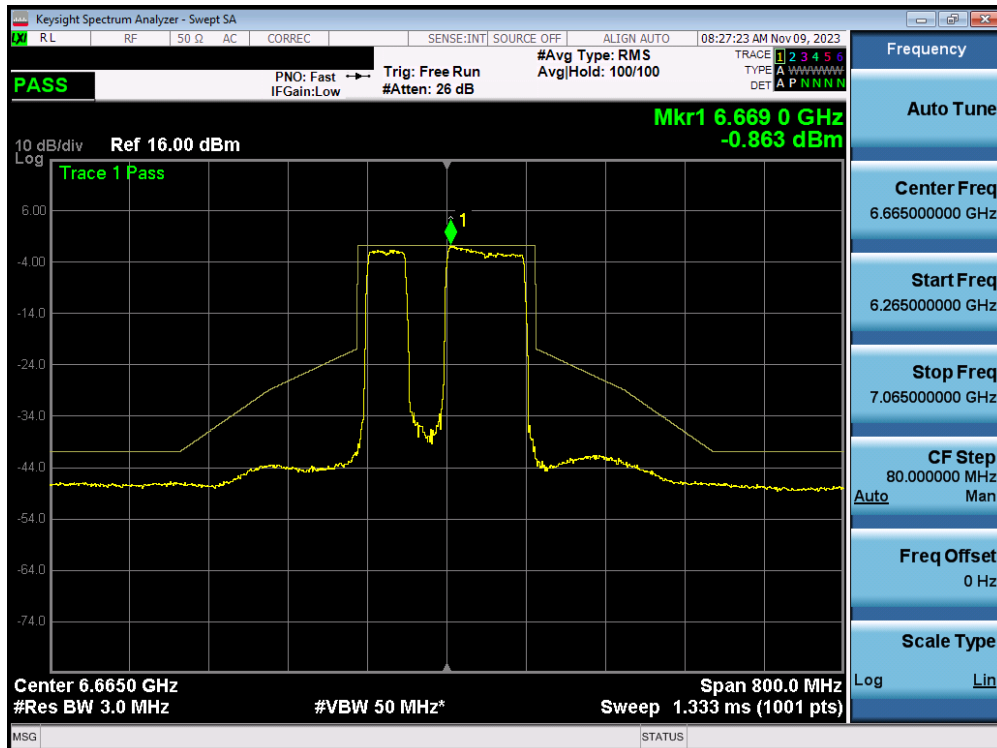


Plot 7-427. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 151) – LPI – 484+242T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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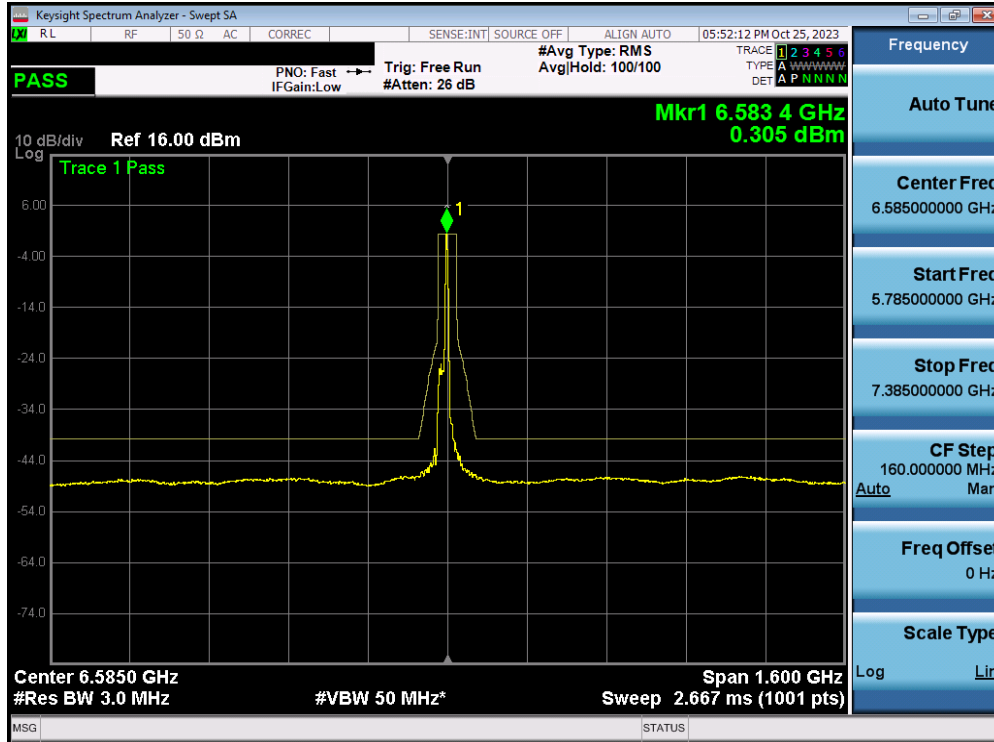


Plot 7-428. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 143) – LPI

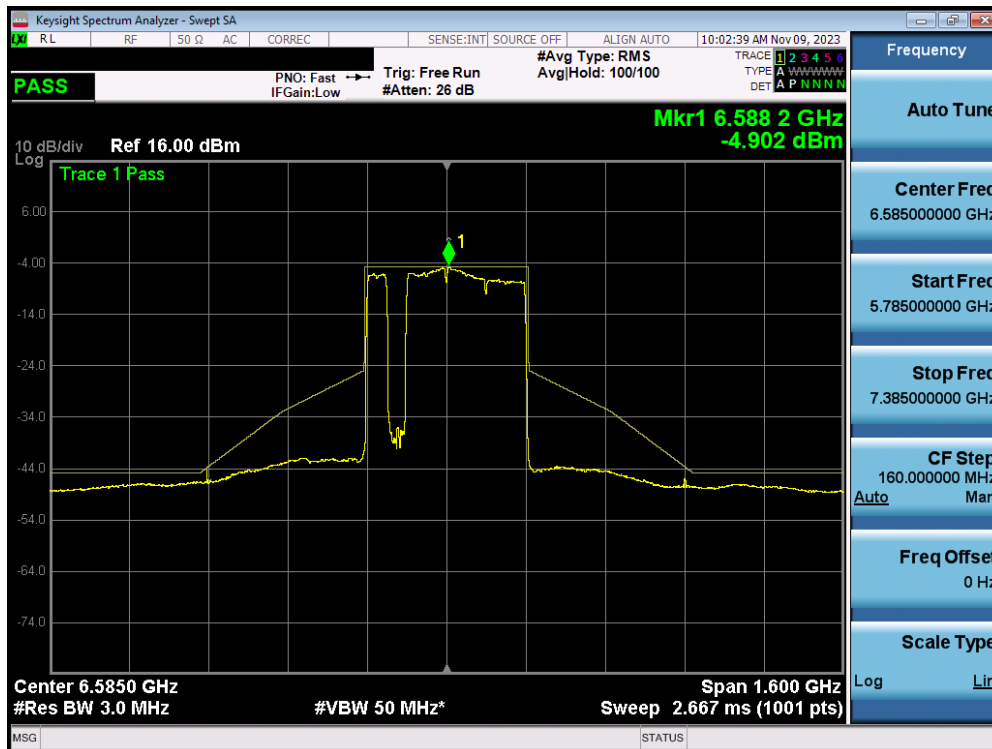


Plot 7-429. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 143) – LPI – 996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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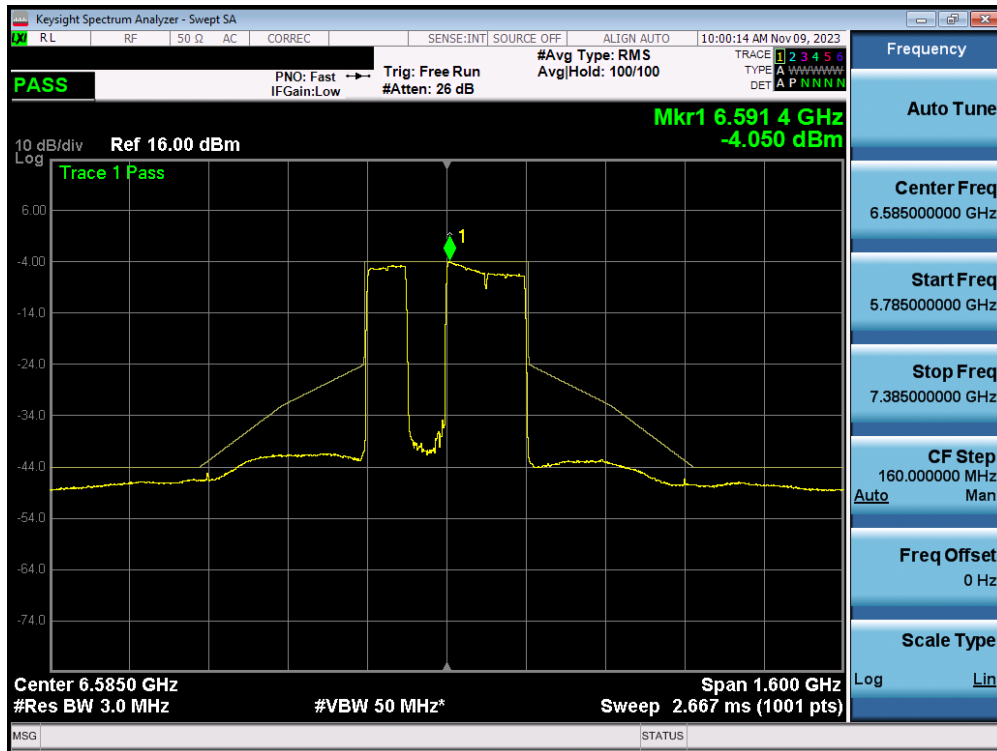


Plot 7-430. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (26 Tones) (UNII Band 6/7) – Ch. 127) – LPI

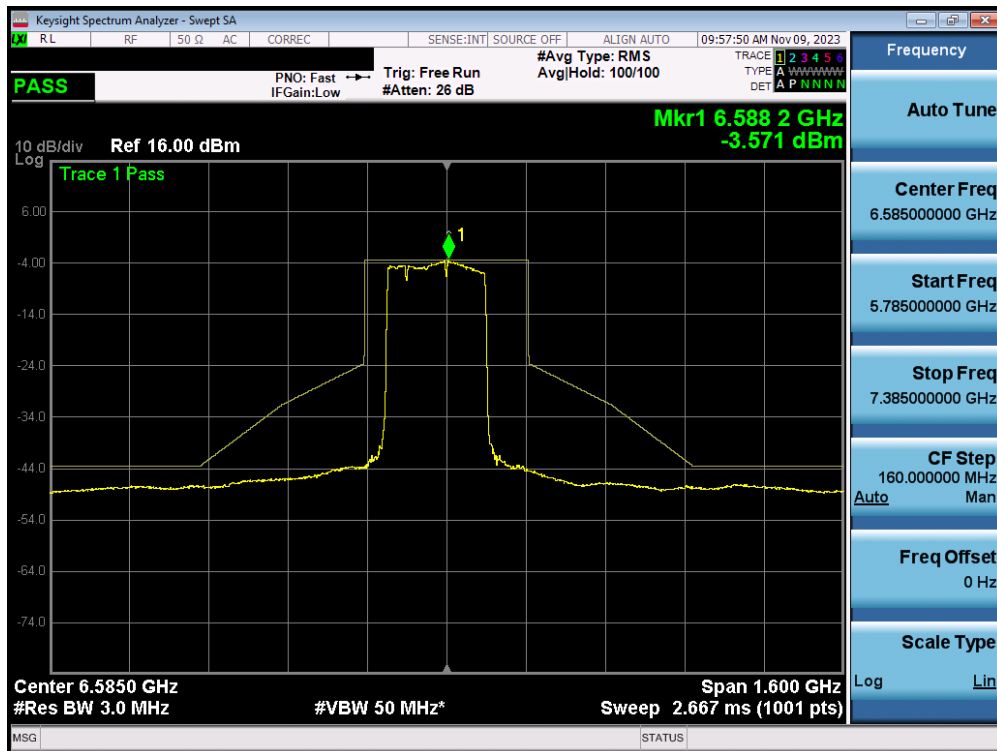


Plot 7-431. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 6/7) – Ch. 127) – LPI – 3x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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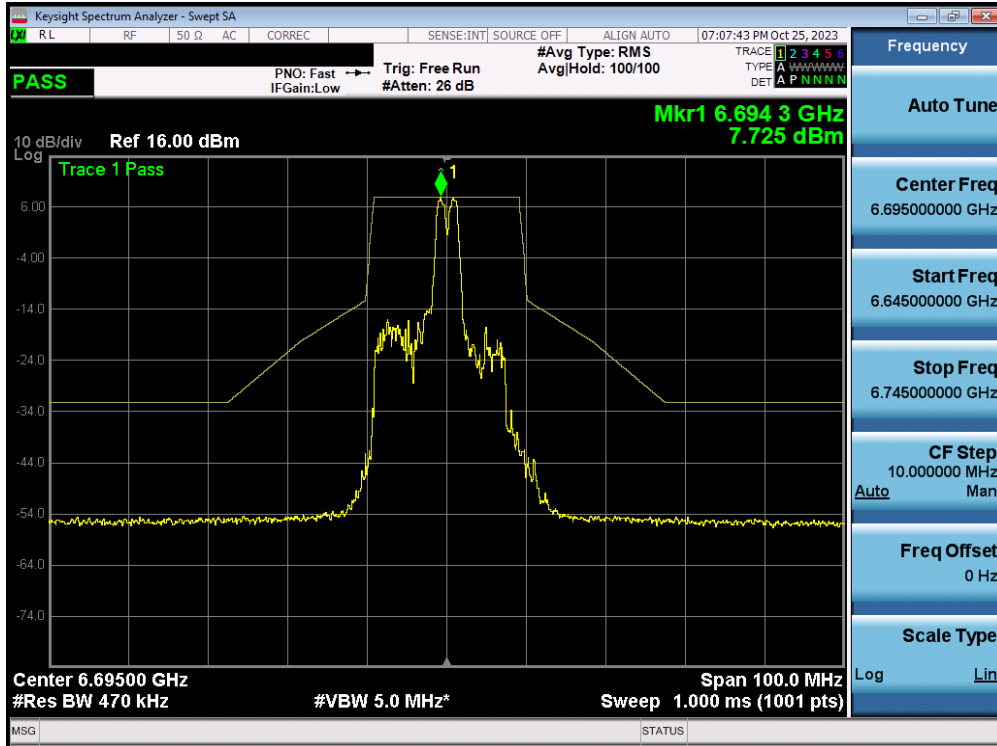


Plot 7-432. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 6/7) – Ch. 127) – LPI – 3x996T

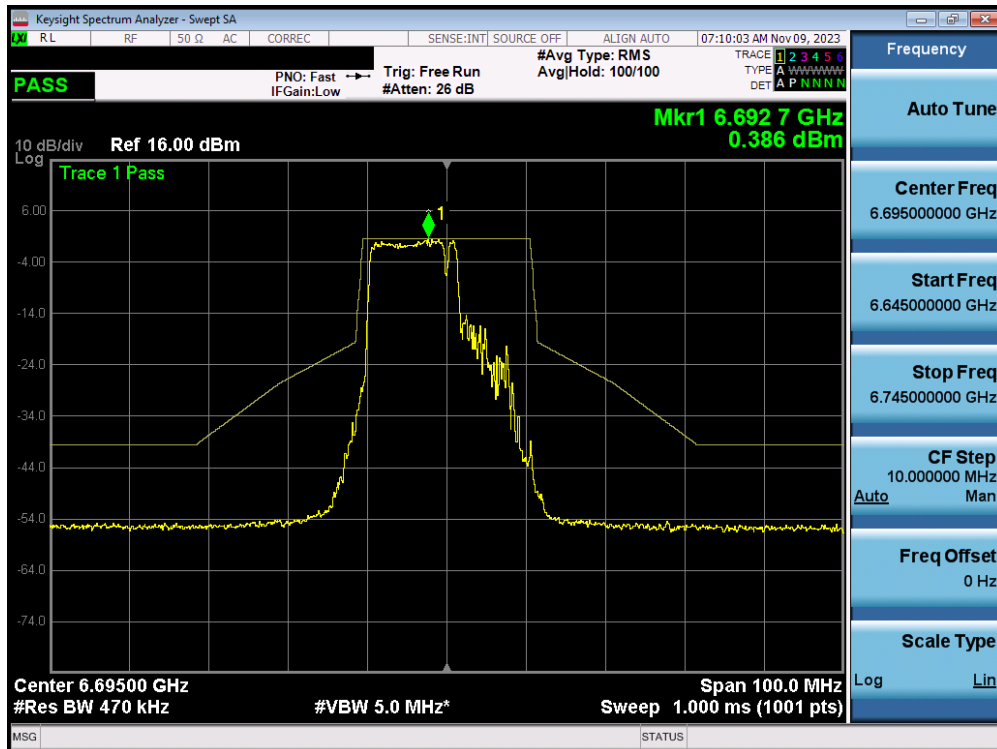


Plot 7-433. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 7/8) – Ch. 159) – LPI – 2x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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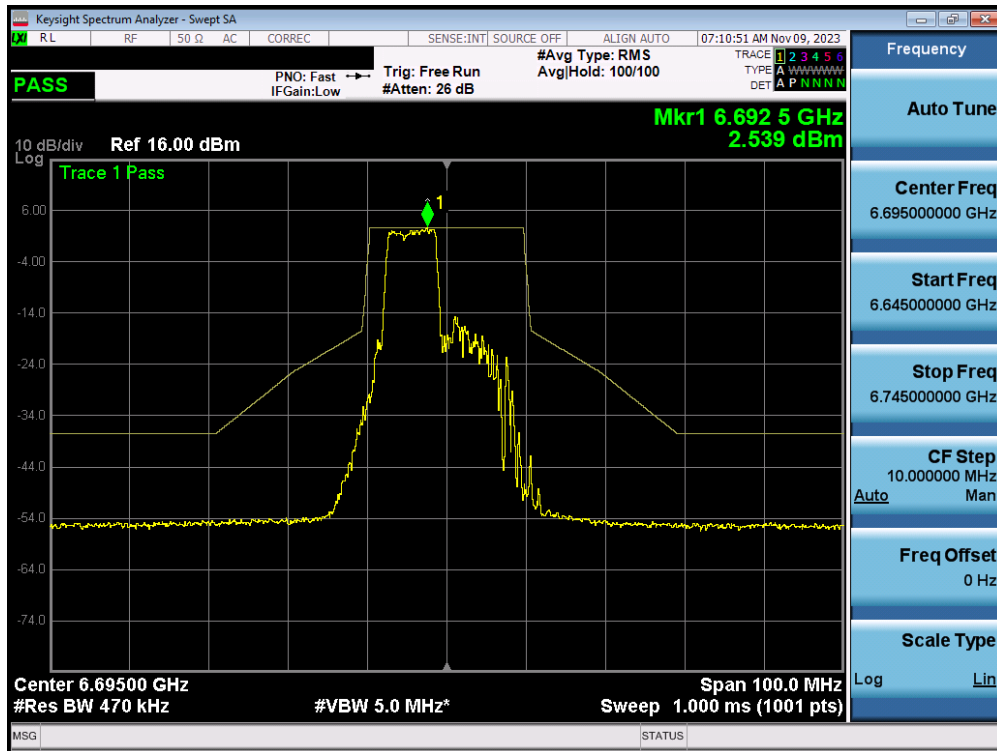


Plot 7-434. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 149) – SP

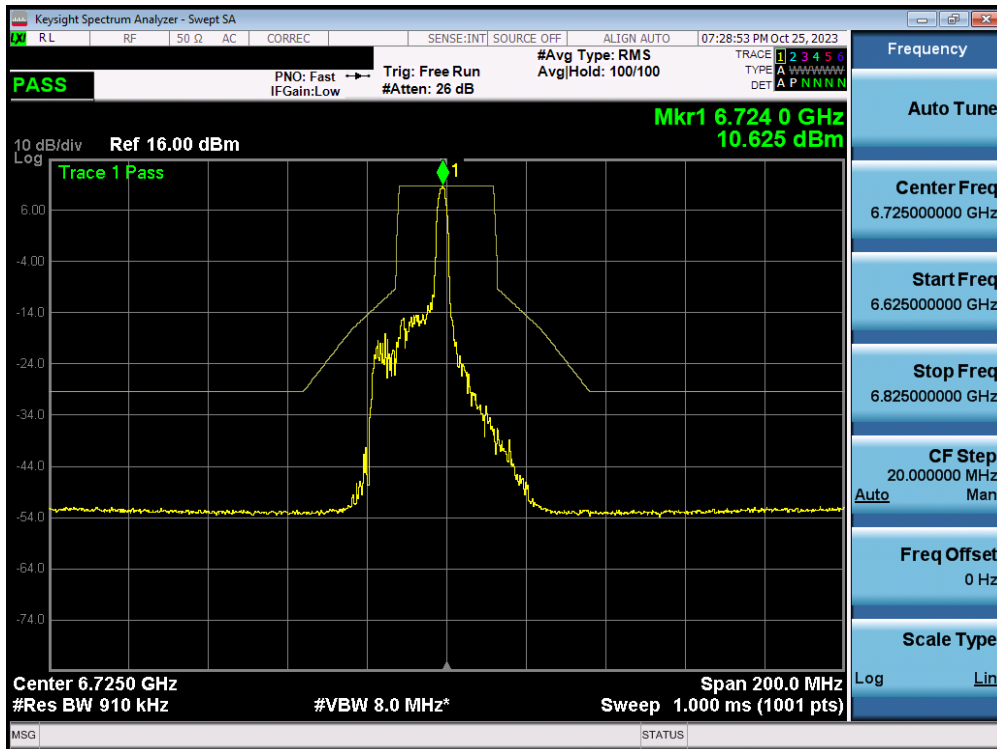


Plot 7-435. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 149) – SP – 106+26T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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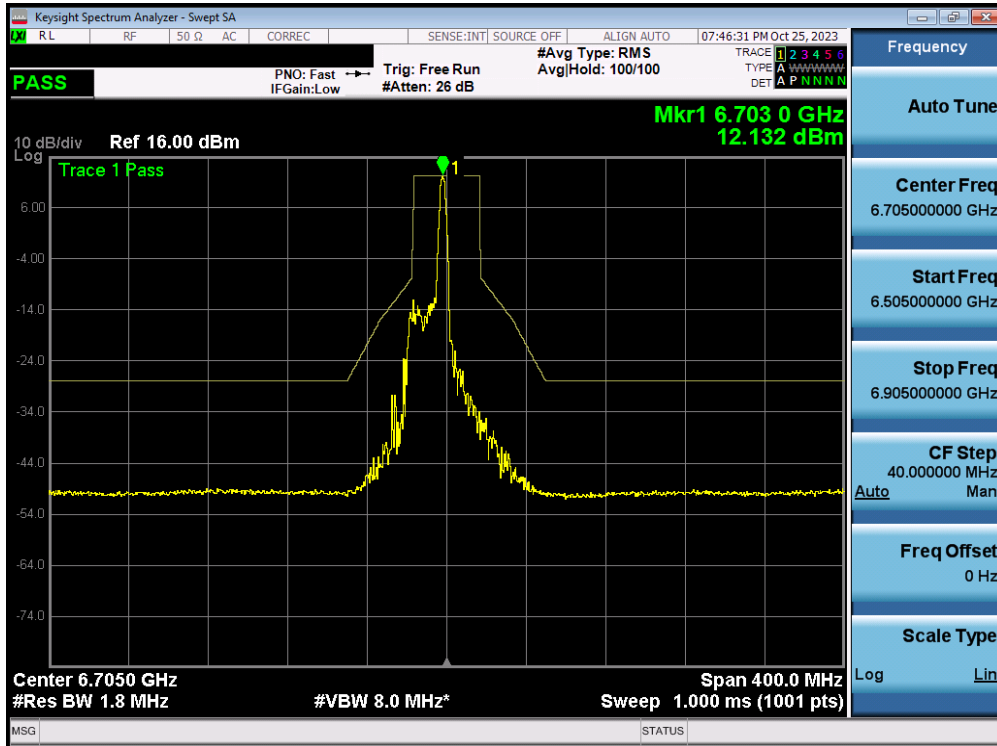


Plot 7-436. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 149) – SP – 52+26T

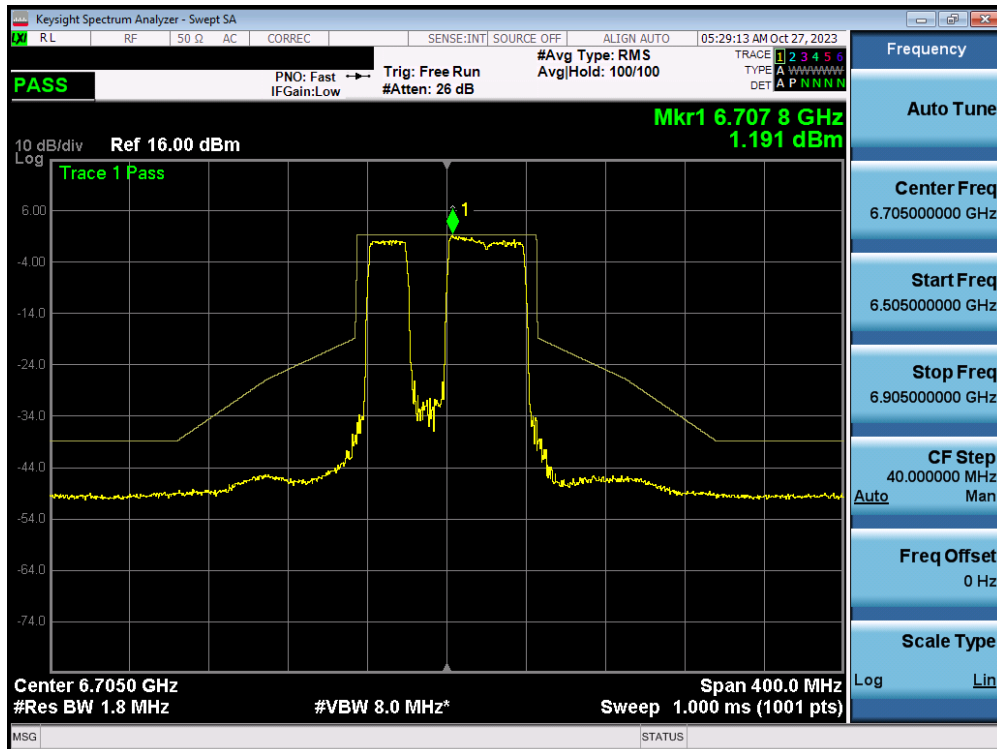


Plot 7-437. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 155) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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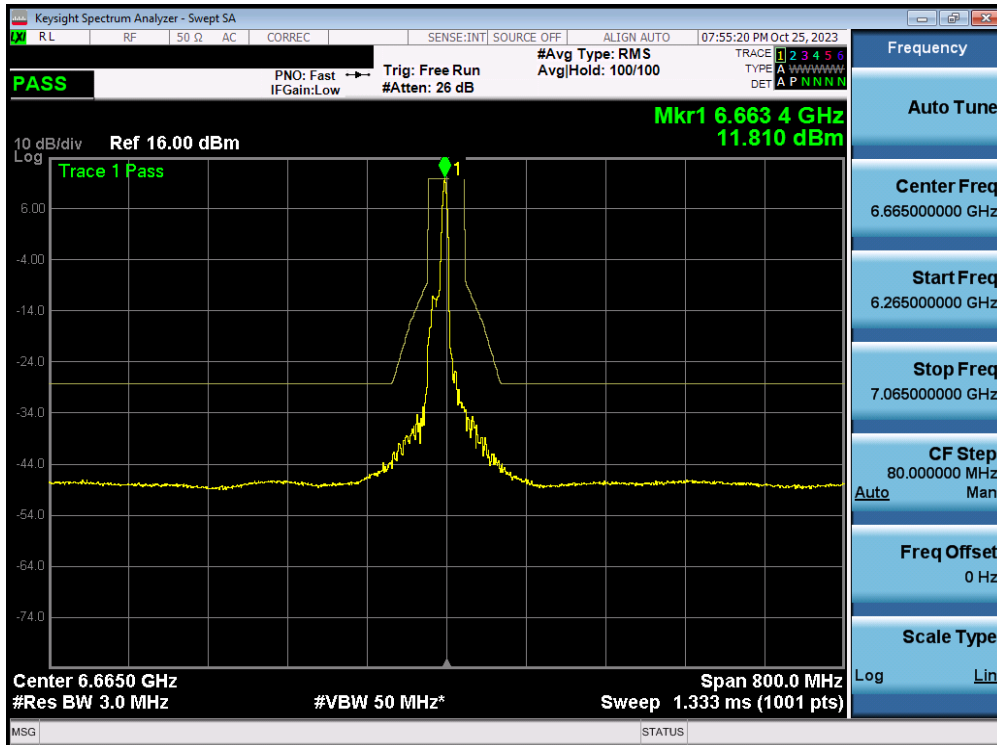


Plot 7-438. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 151) – SP

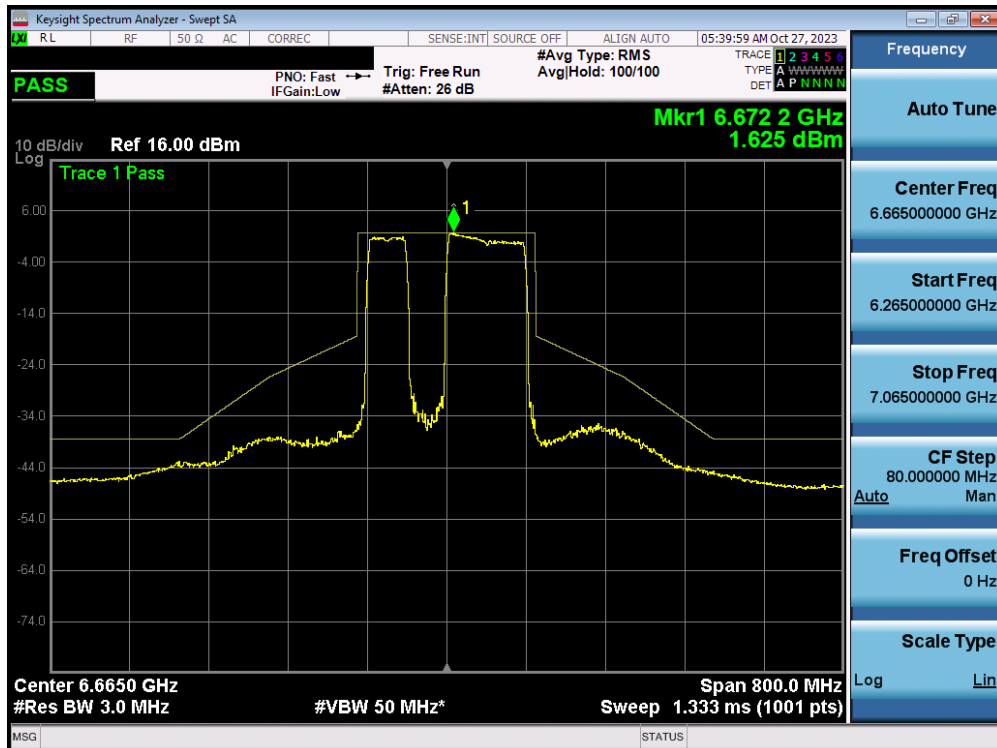


Plot 7-439. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 151) – SP – 484+242T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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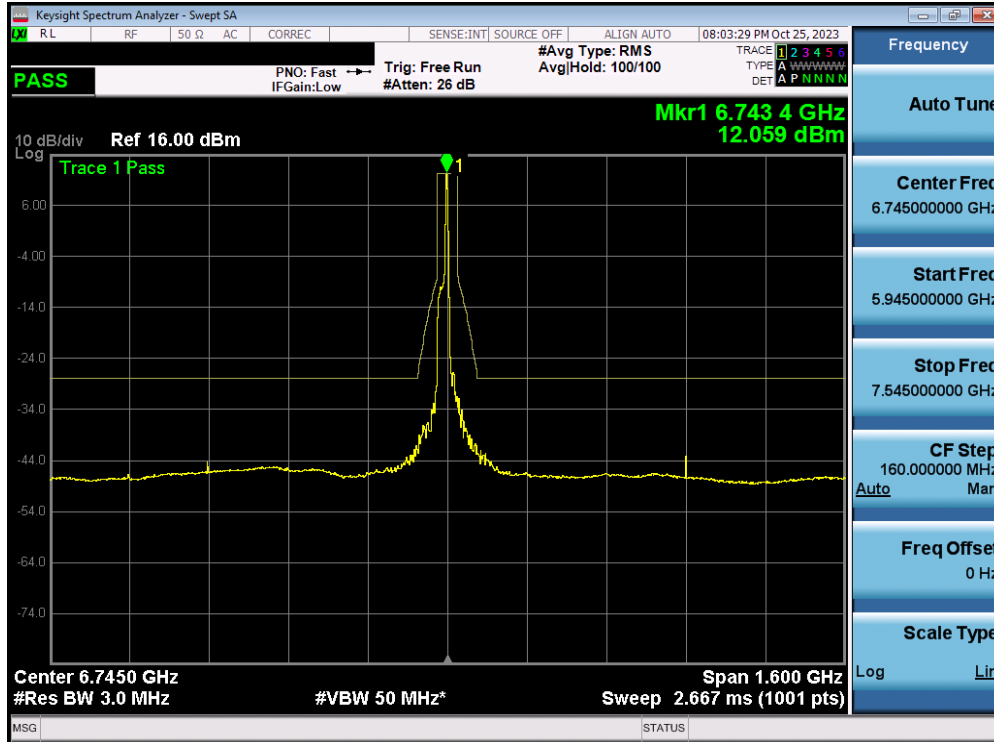


Plot 7-440. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (26 Tones) (UNII Band 7) – Ch. 143) – SP

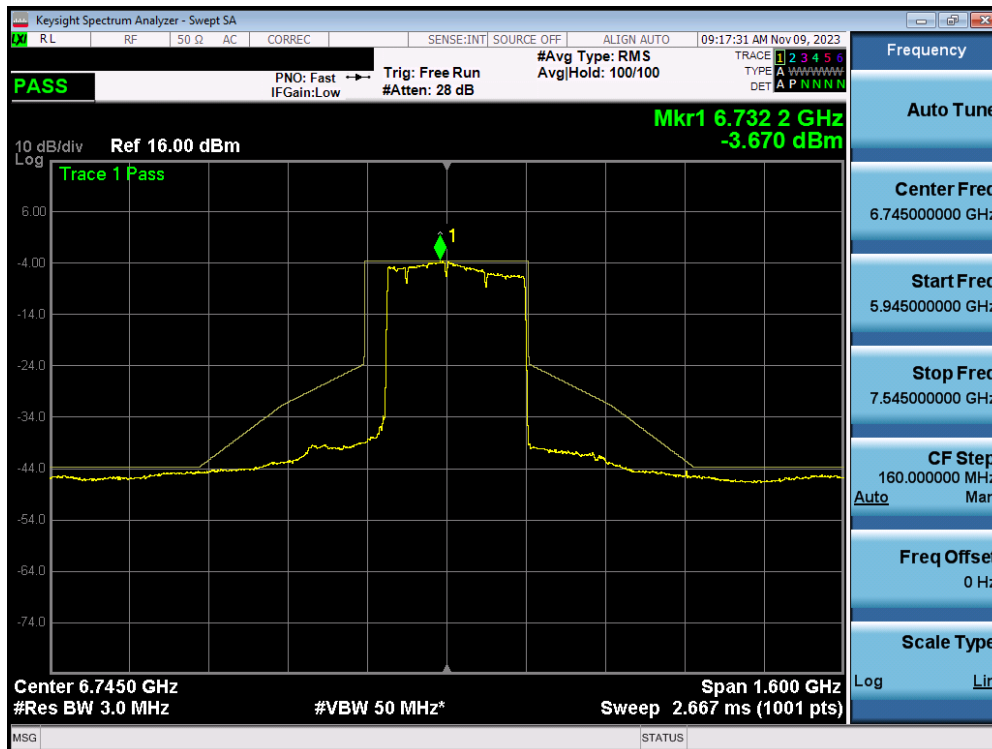


Plot 7-441. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (MRU) (UNII Band 7) – Ch. 143) – SP – 996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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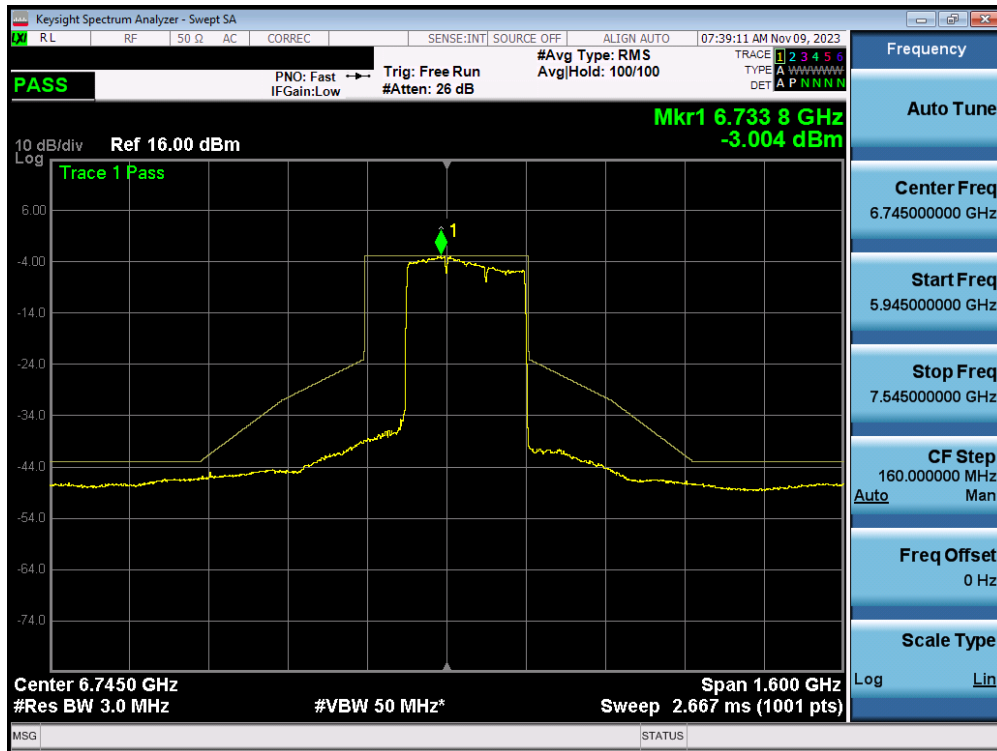


Plot 7-442. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (26 Tones) (UNII Band 7/8) – Ch. 159) – SP

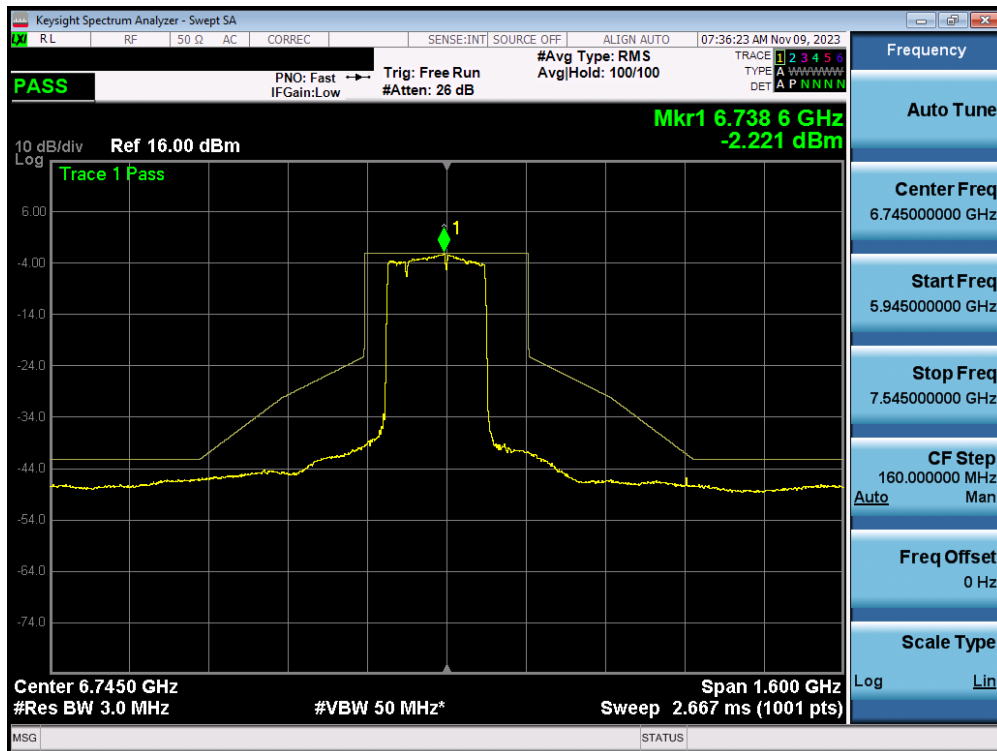


Plot 7-443. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 6/7) – Ch. 127) – SP – 3x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-444. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 6/7) – Ch. 127) – SP – 3x996T



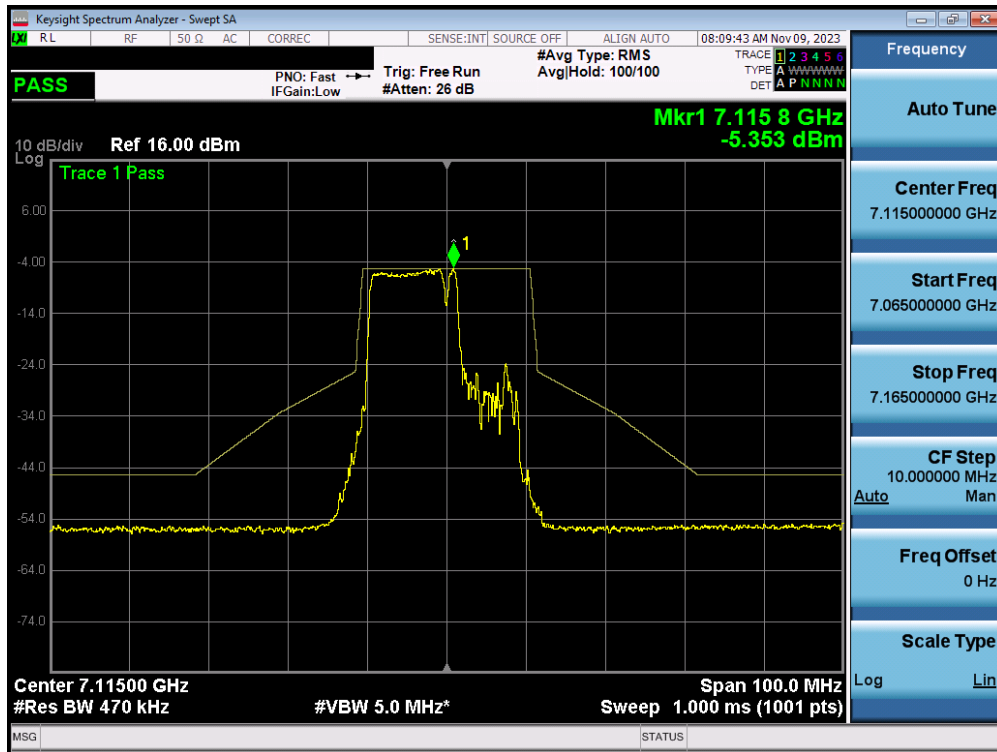
Plot 7-445. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 7/8) – Ch. 159) – SP – 2x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Partial Tones) – (UNII Band 8)

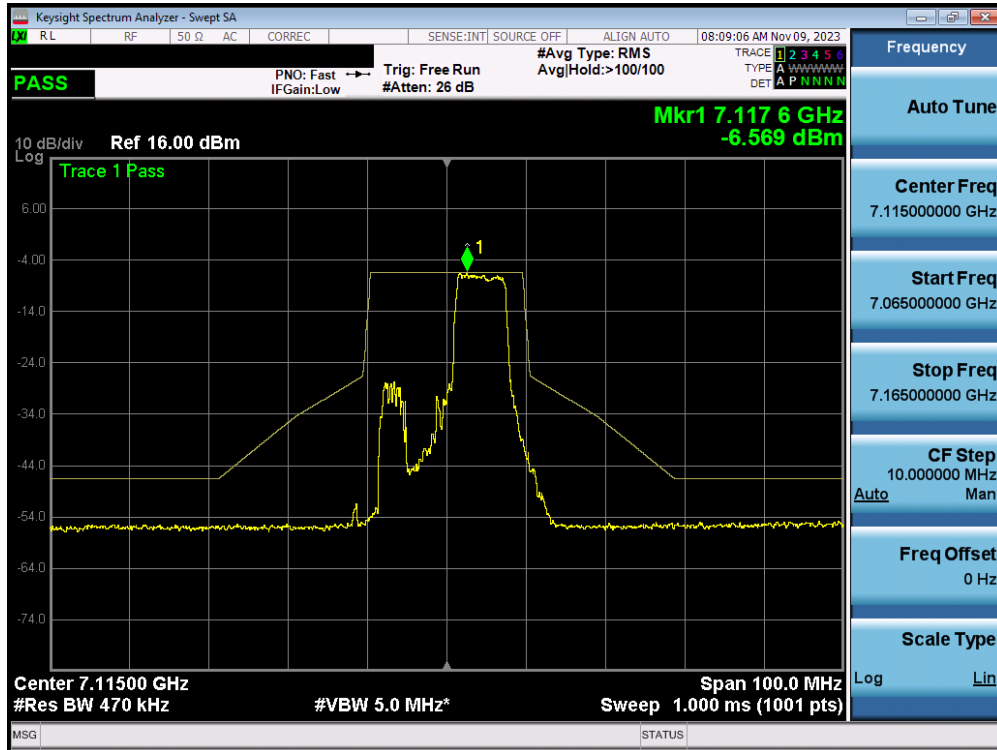


Plot 7-446. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (26 Tones) (UNII Band 8) – Ch. 209) – LPI

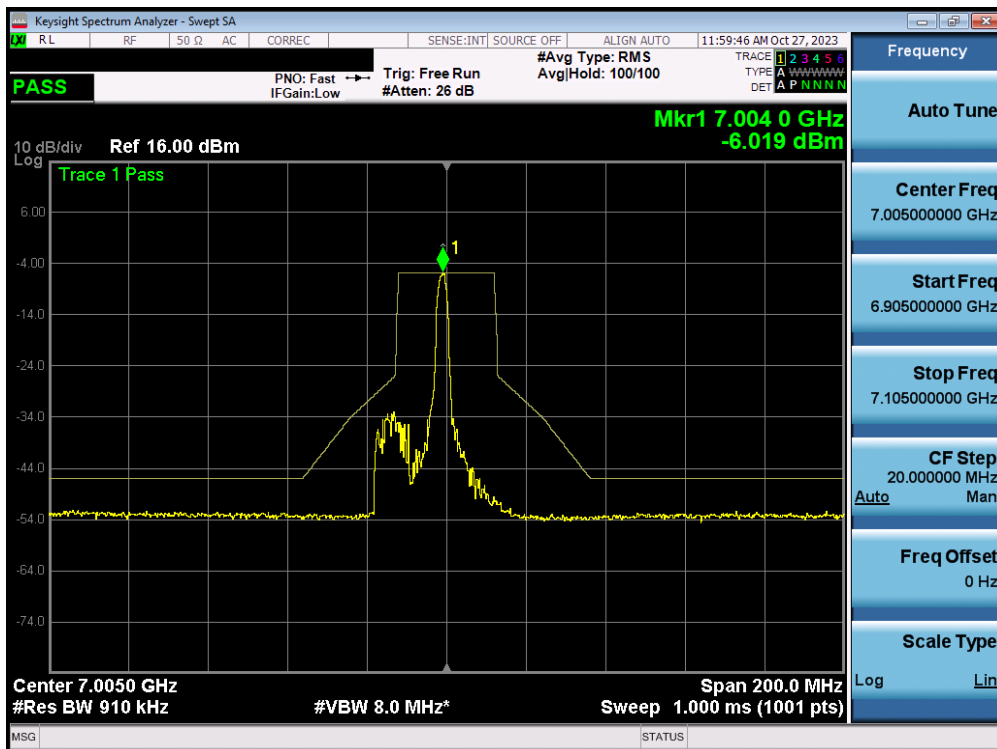


Plot 7-447. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 8) – Ch. 233) – LPI – 106+26T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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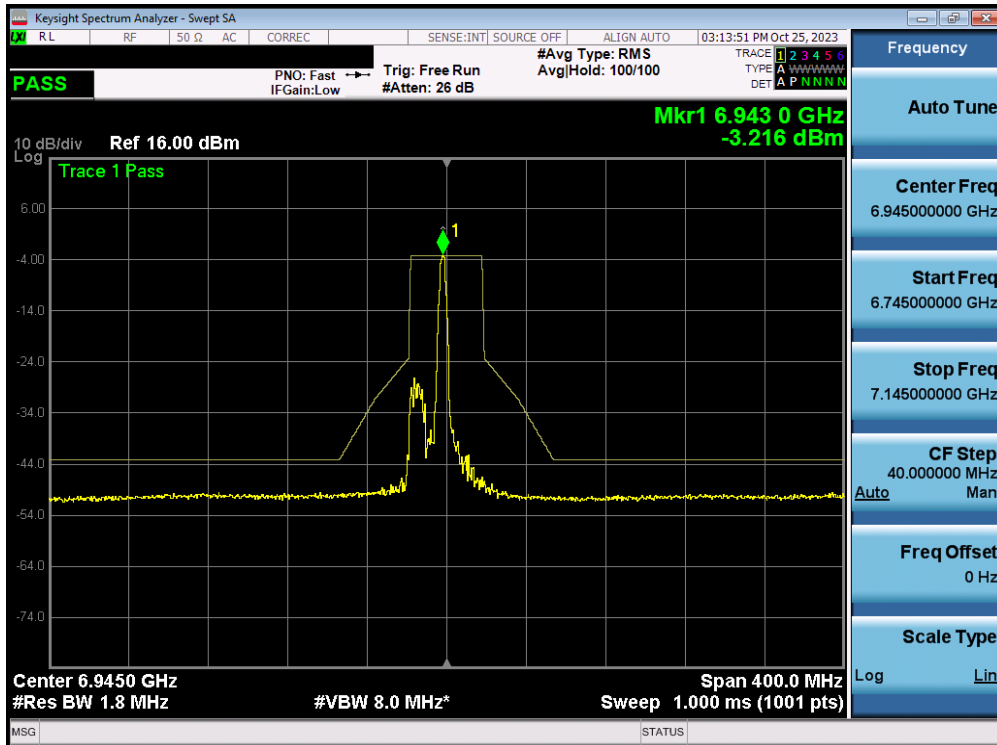


Plot 7-448. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (MRU) (UNII Band 8) – Ch. 209) – LPI – 52+26T

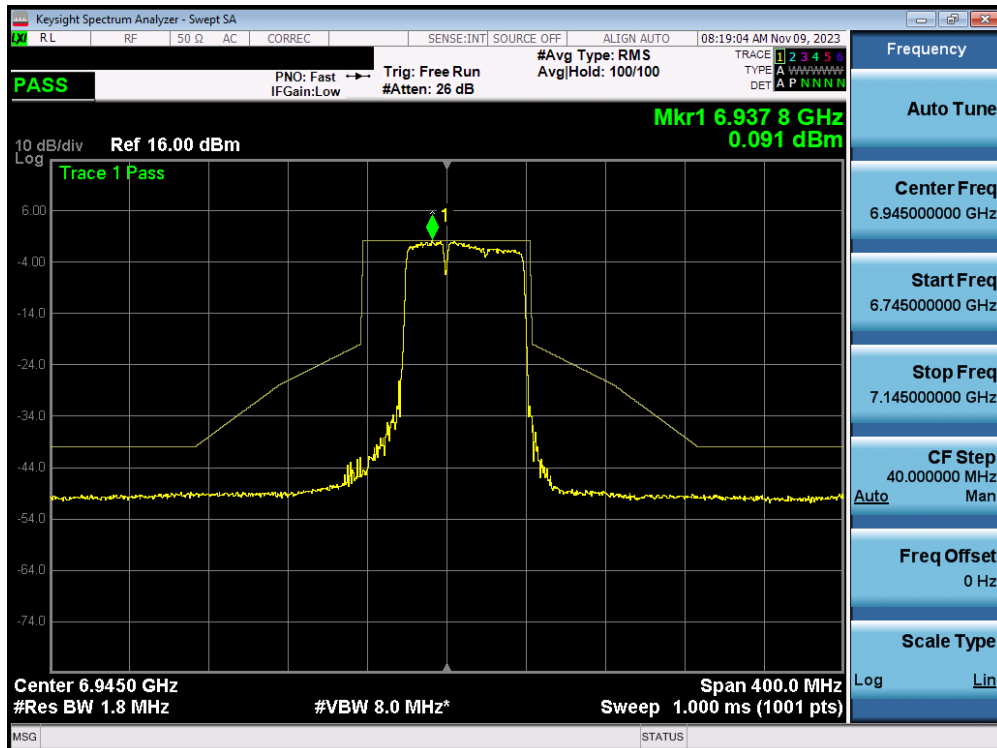


Plot 7-449. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (26 Tones) (UNII Band 8) – Ch. 211) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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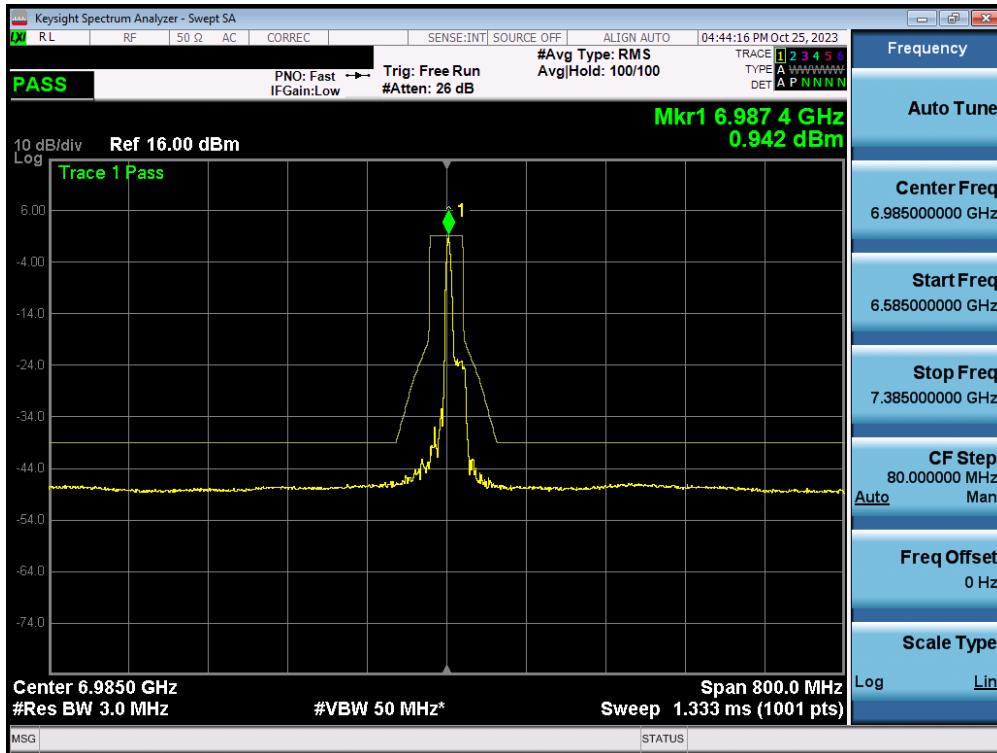


Plot 7-450. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (26 Tones) (UNII Band 8) – Ch. 199) – LPI

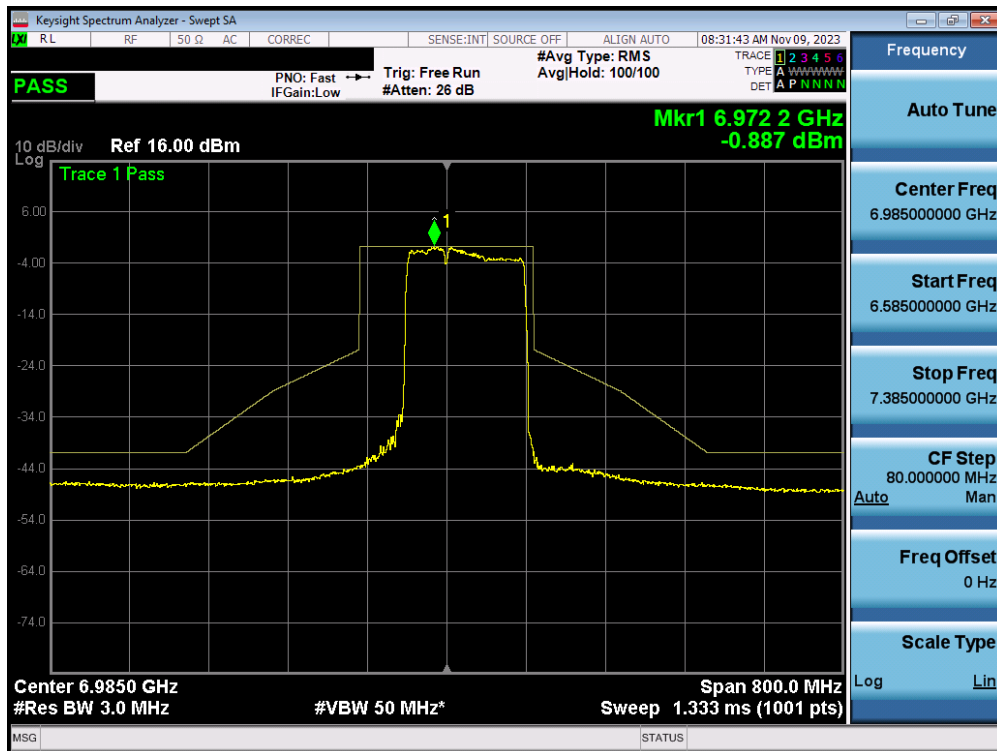


Plot 7-451. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (MRU) (UNII Band 8) – Ch. 199) – LPI – 484+242T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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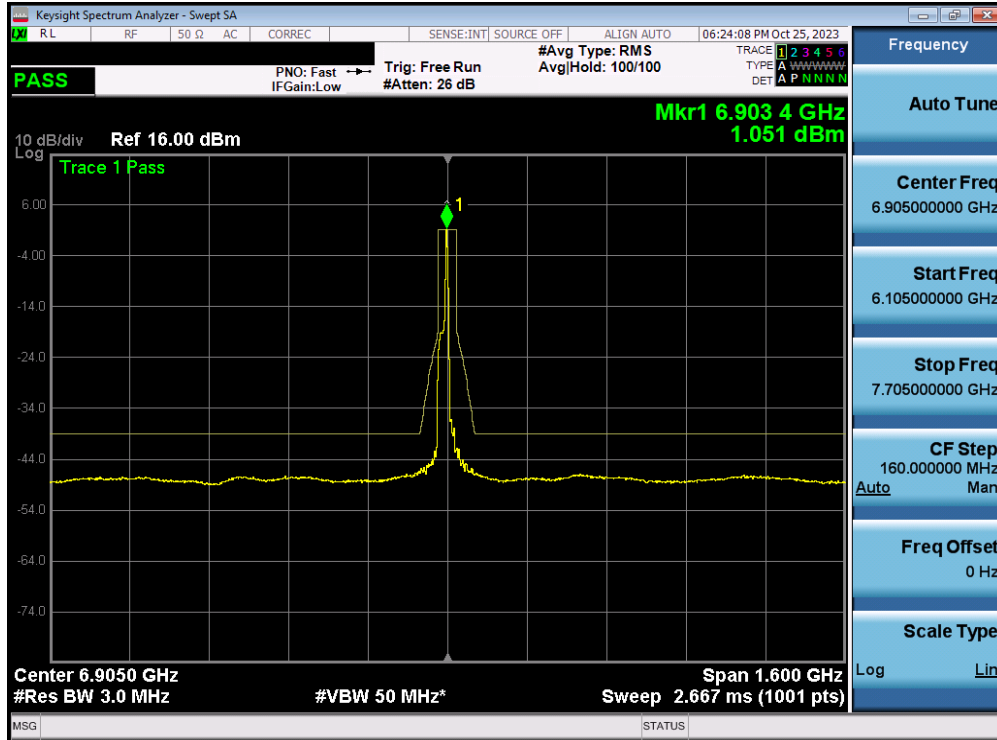


Plot 7-452. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (26 Tones) (UNII Band 8) – Ch. 207) – LPI

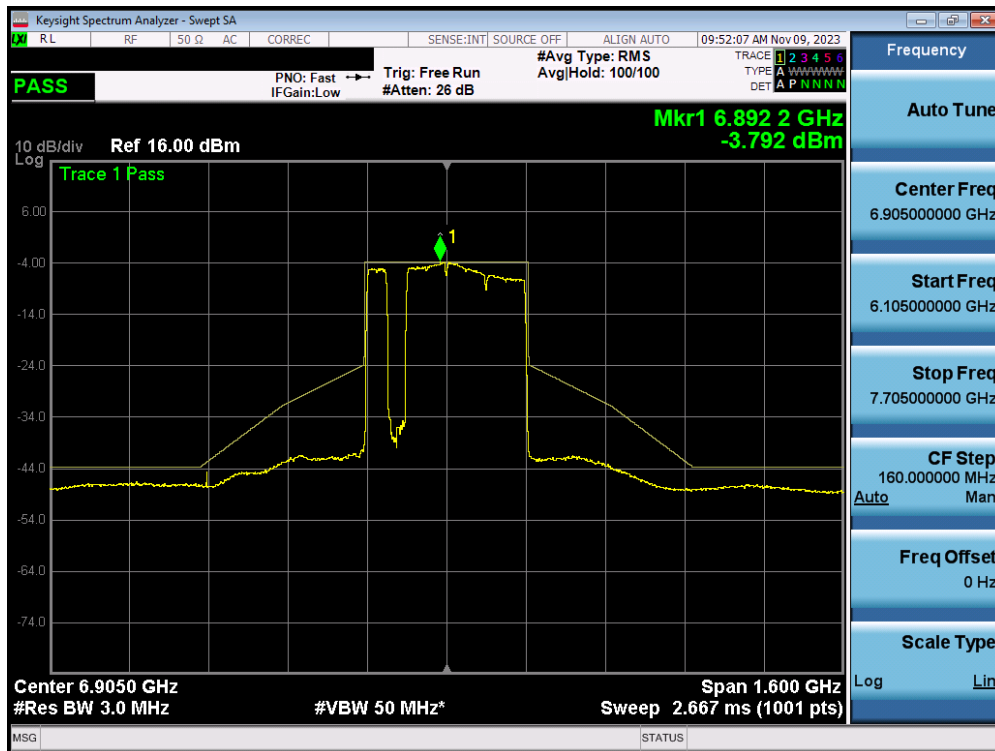


Plot 7-453. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (MRU) (UNII Band 8) – Ch. 207) – LPI – 966+484T

FCC ID: A3LSMS928B		MEASUREMENT REPORT		Approved by:
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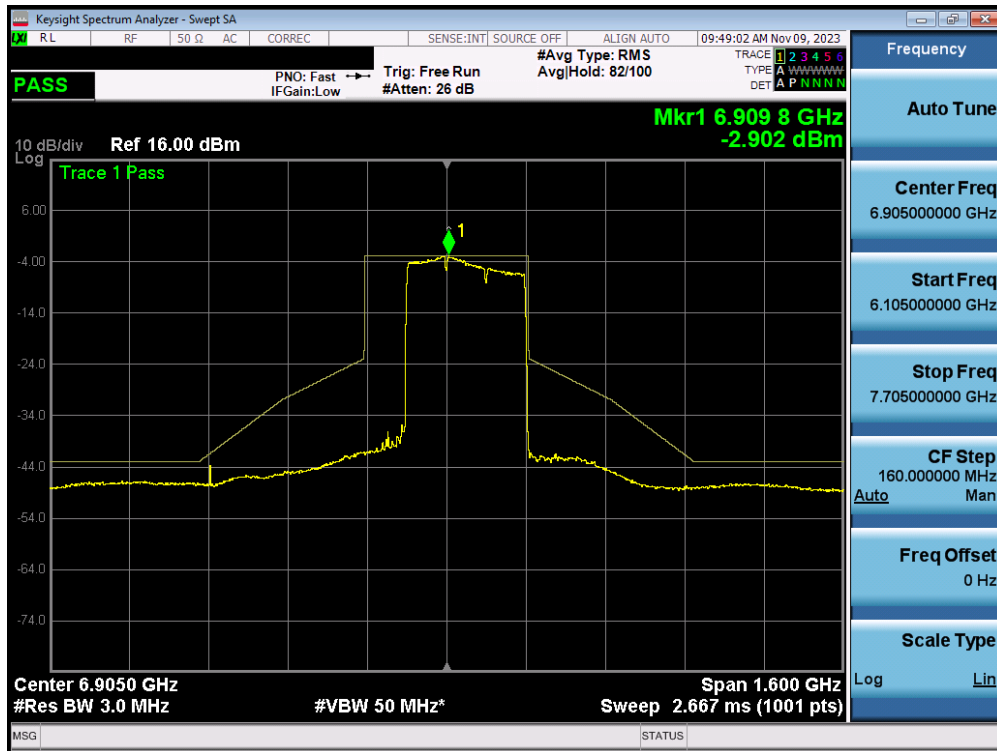


Plot 7-454. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (26 Tones) (UNII Band 7/8) – Ch. 191) – LPI

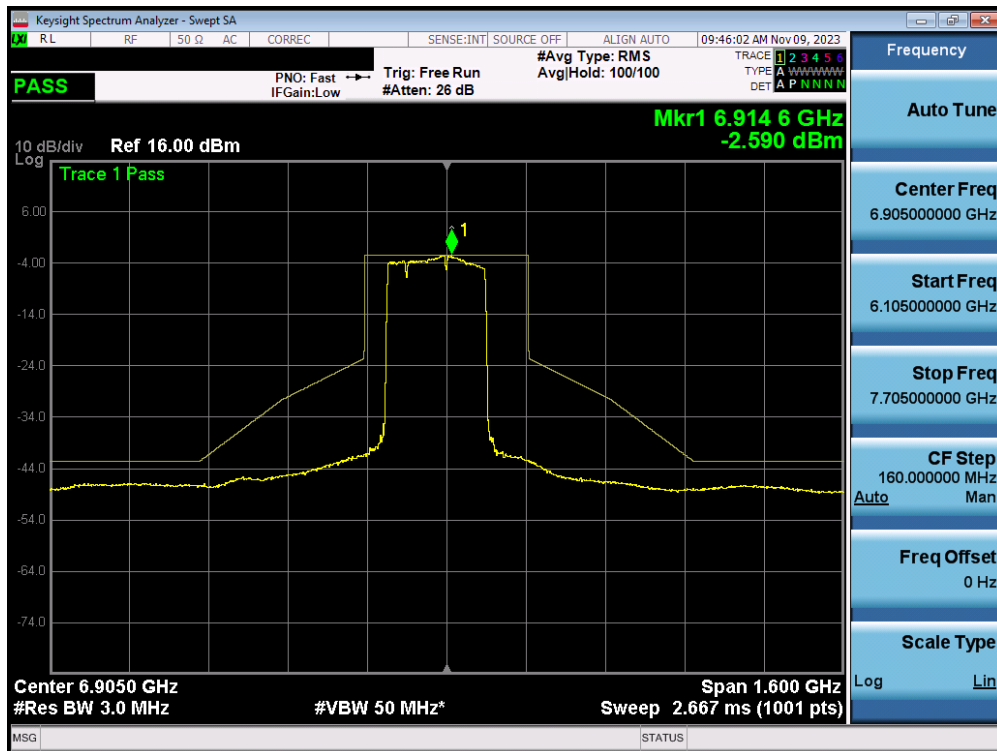


Plot 7-455. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 7/8) – Ch. 191) – LPI – 3x996+484T

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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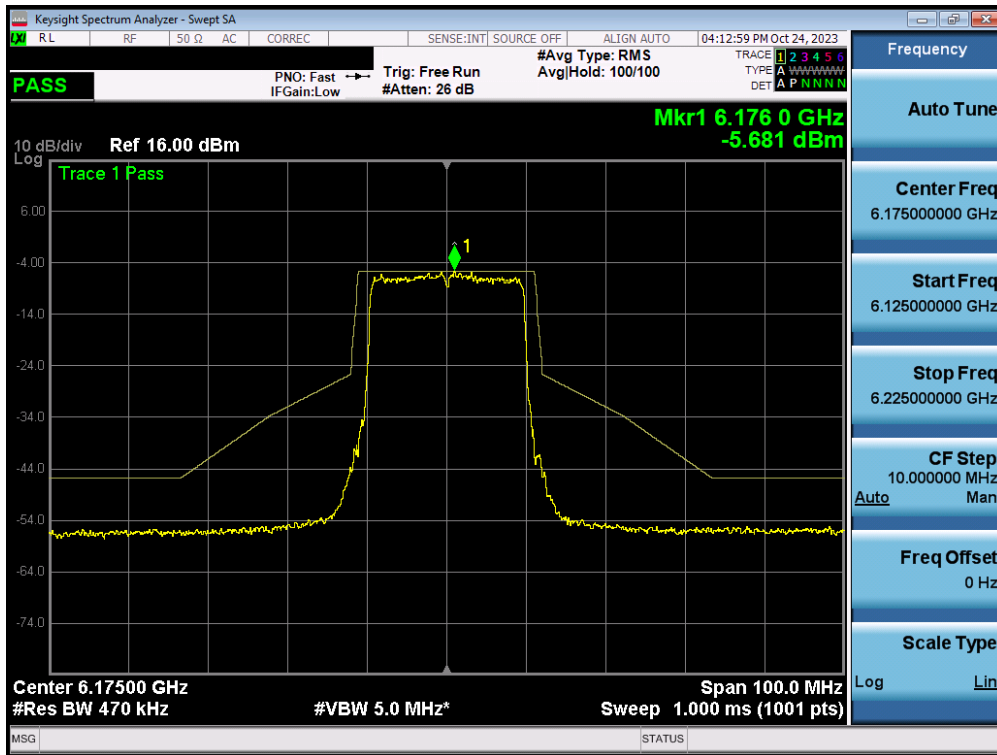
Plot 7-456. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 7/8) – Ch. 191) – LPI – 3x996T



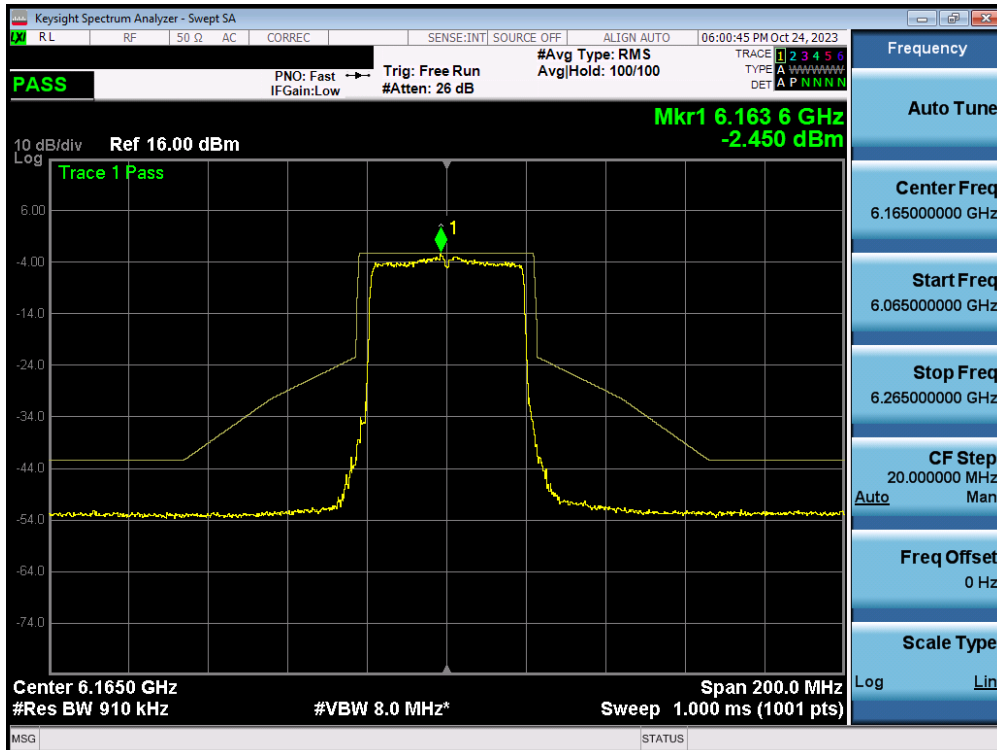
Plot 7-457. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (MRU) (UNII Band 7/8) – Ch. 191) – LPI – 2x996+484T

FCC ID: A3LSMS928B		MEASUREMENT REPORT		Approved by:
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MIMO Antenna-2 In-Band Emission - (Full Tones) – (UNII Band 5)

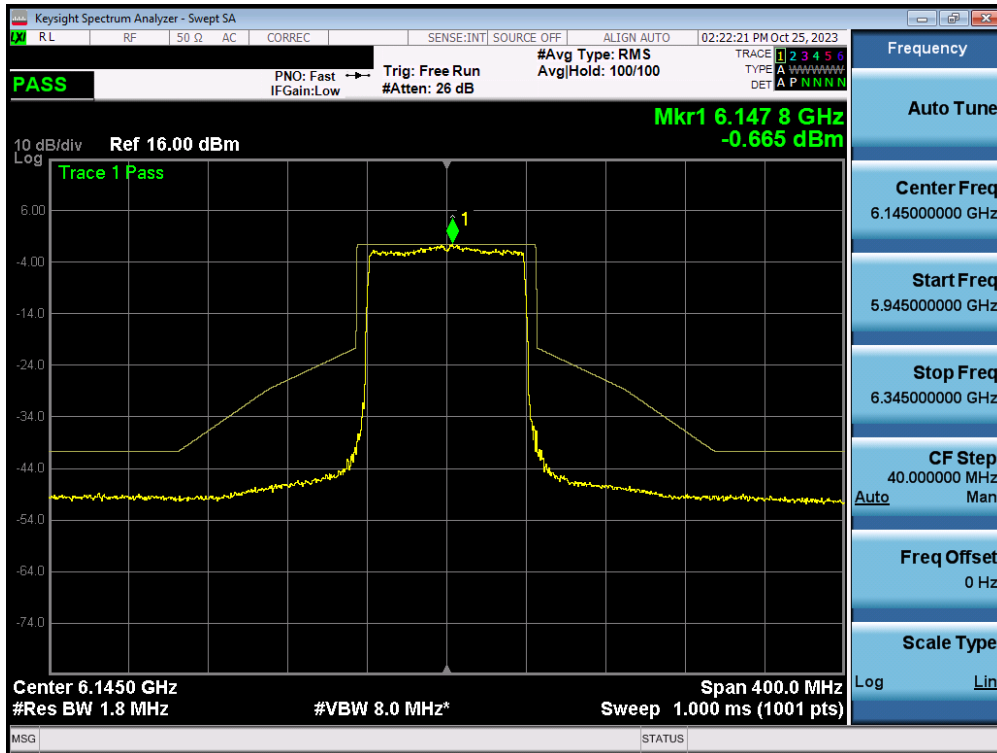


Plot 7-458. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 45) – LPI

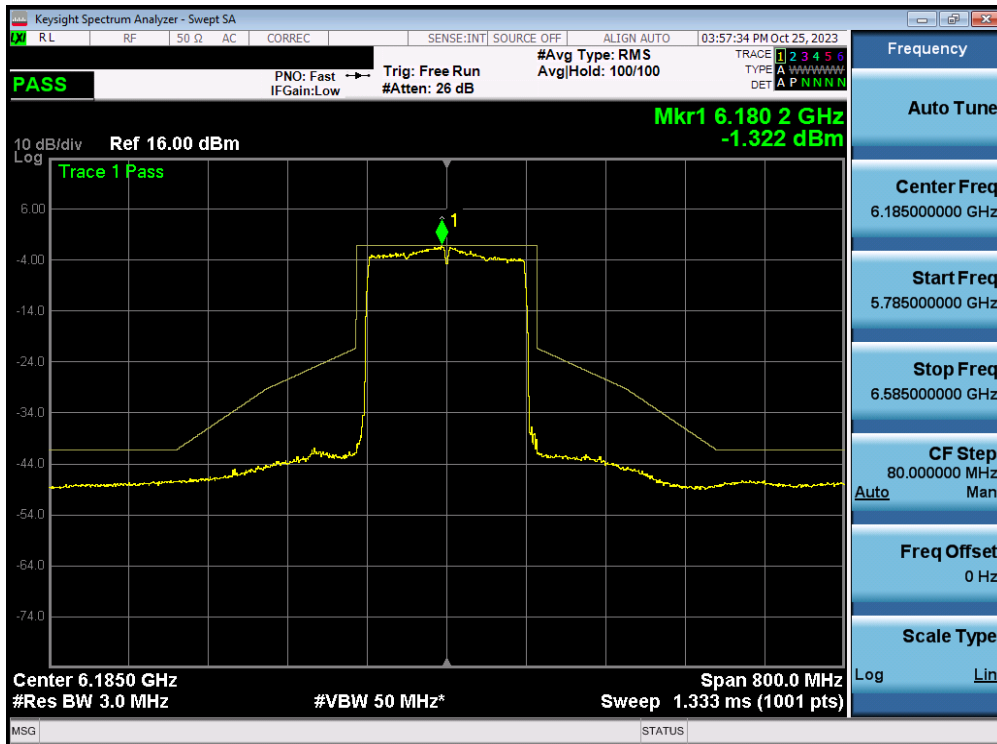


Plot 7-459. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 43) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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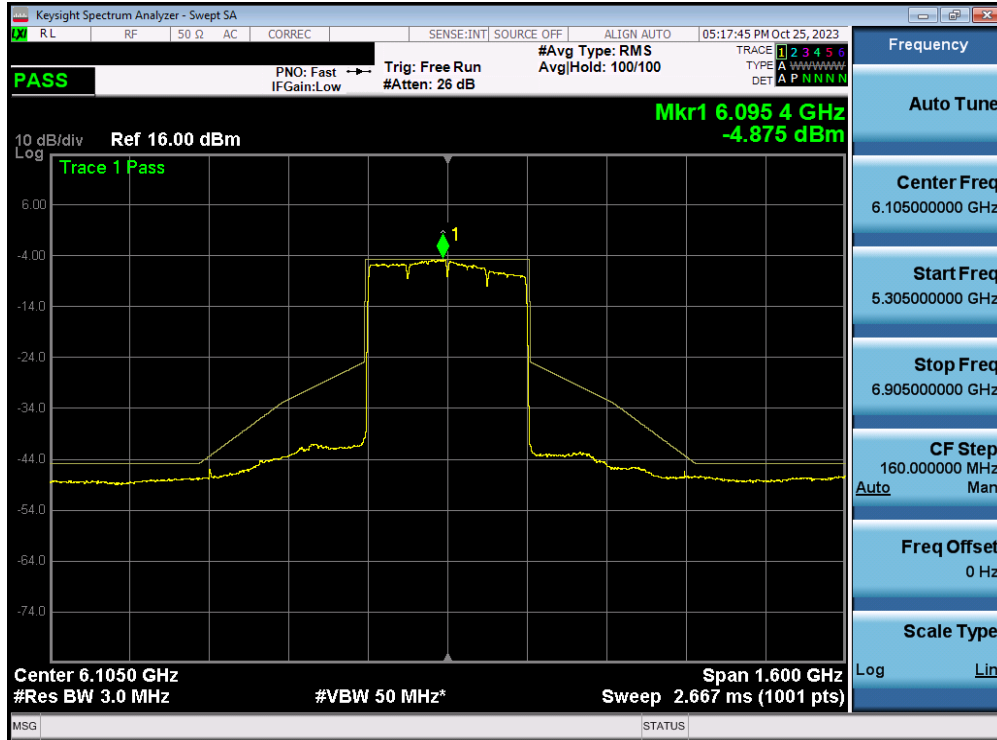


Plot 7-460. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 39) – LPI

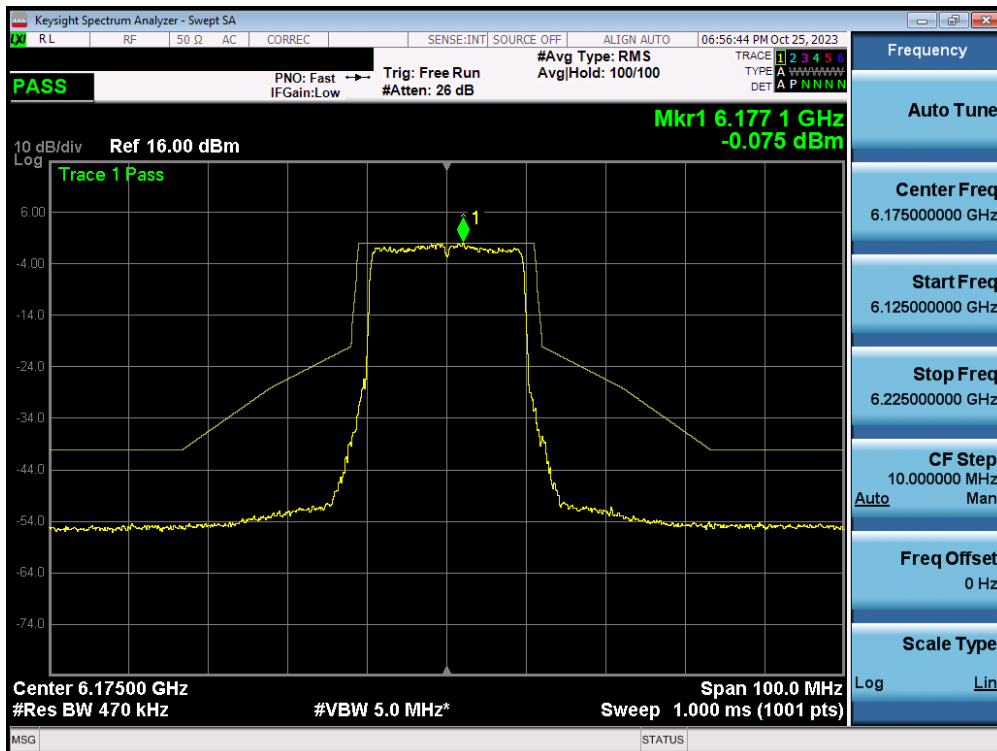


Plot 7-461. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 47) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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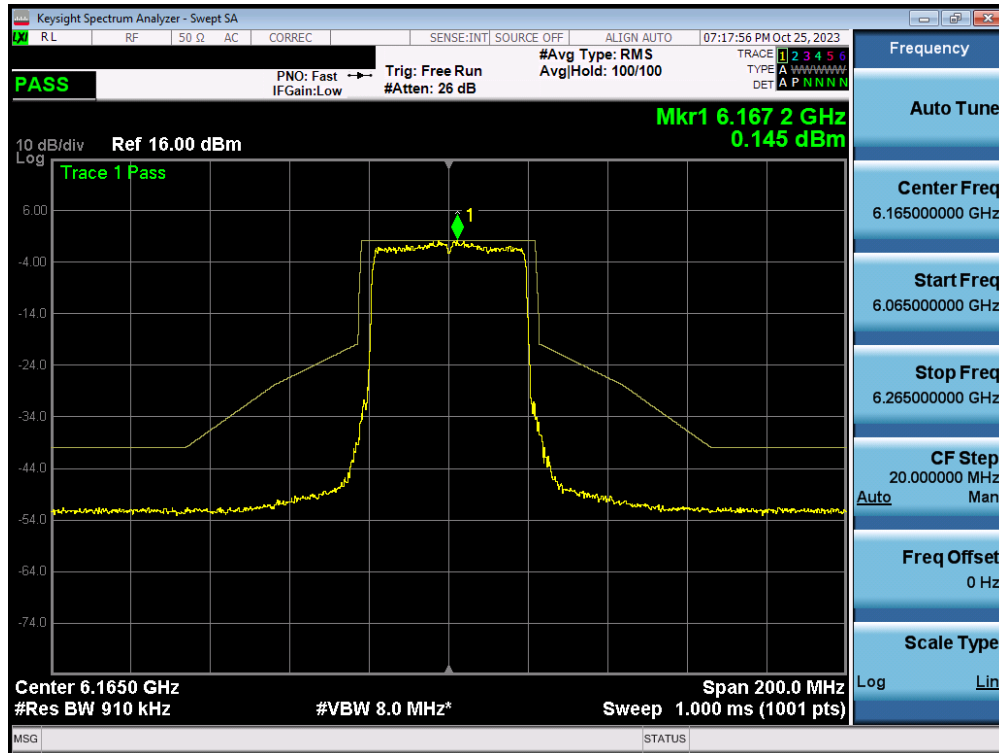


Plot 7-462. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 31) – LPI

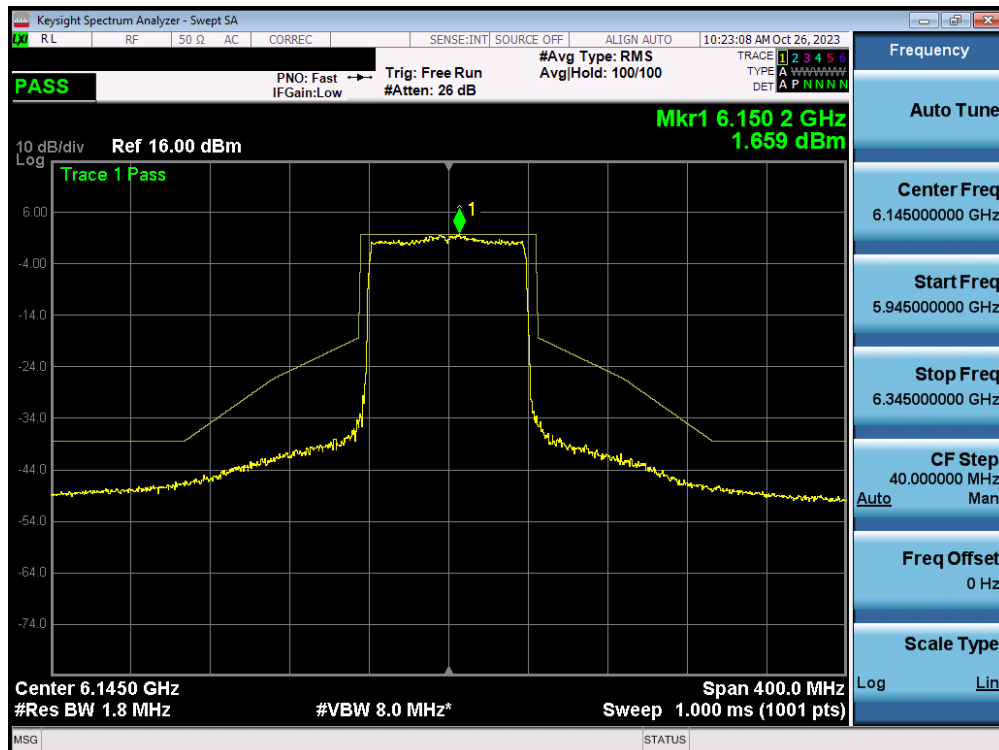


Plot 7-463. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 45) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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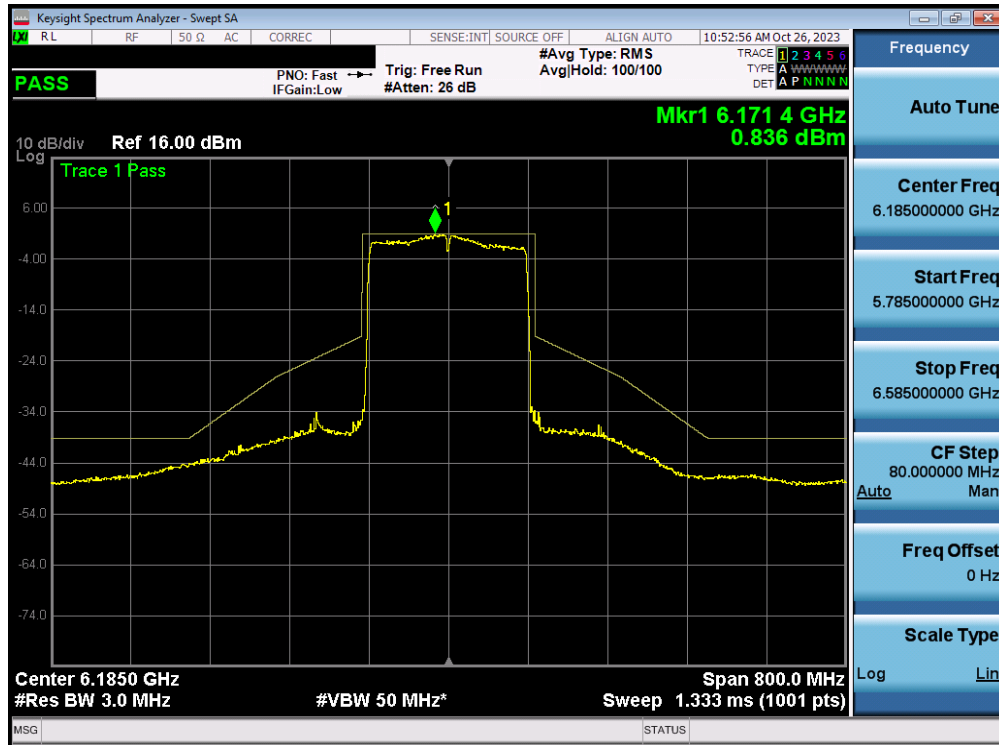


Plot 7-464. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 43) – SP

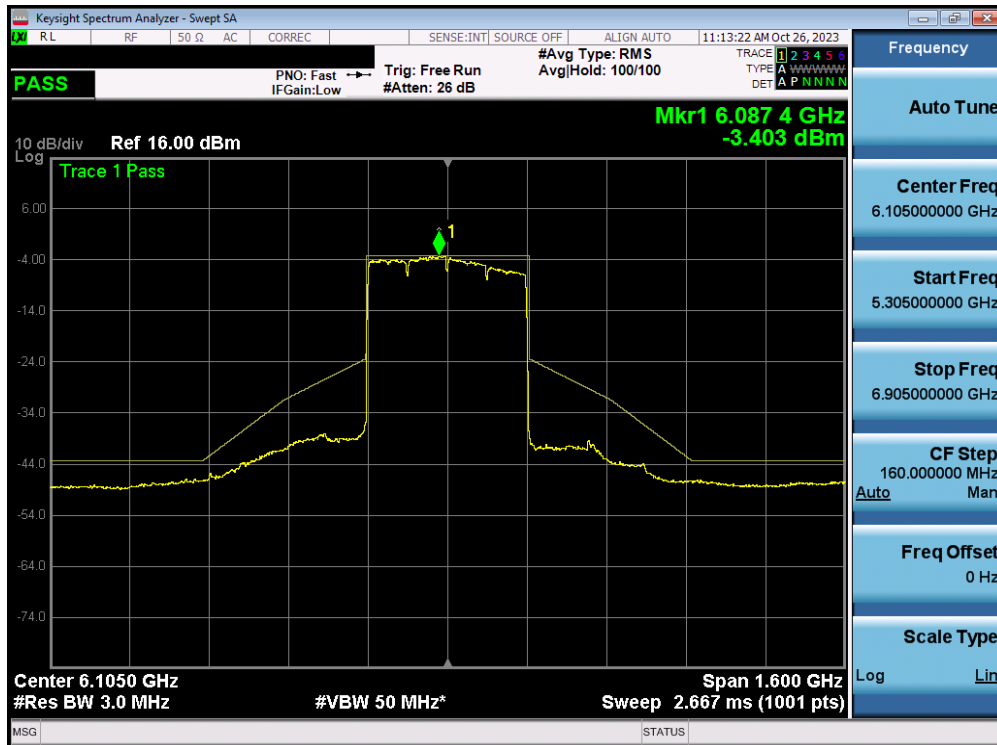


Plot 7-465. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 39) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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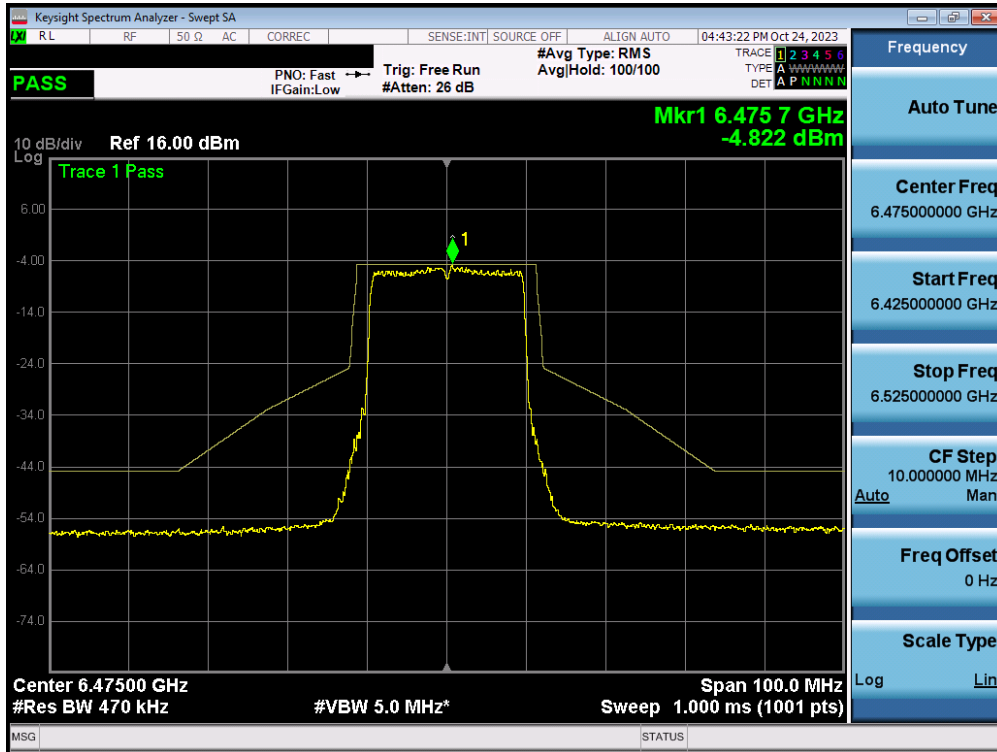
Plot 7-466. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 5) – Ch. 47) – SP



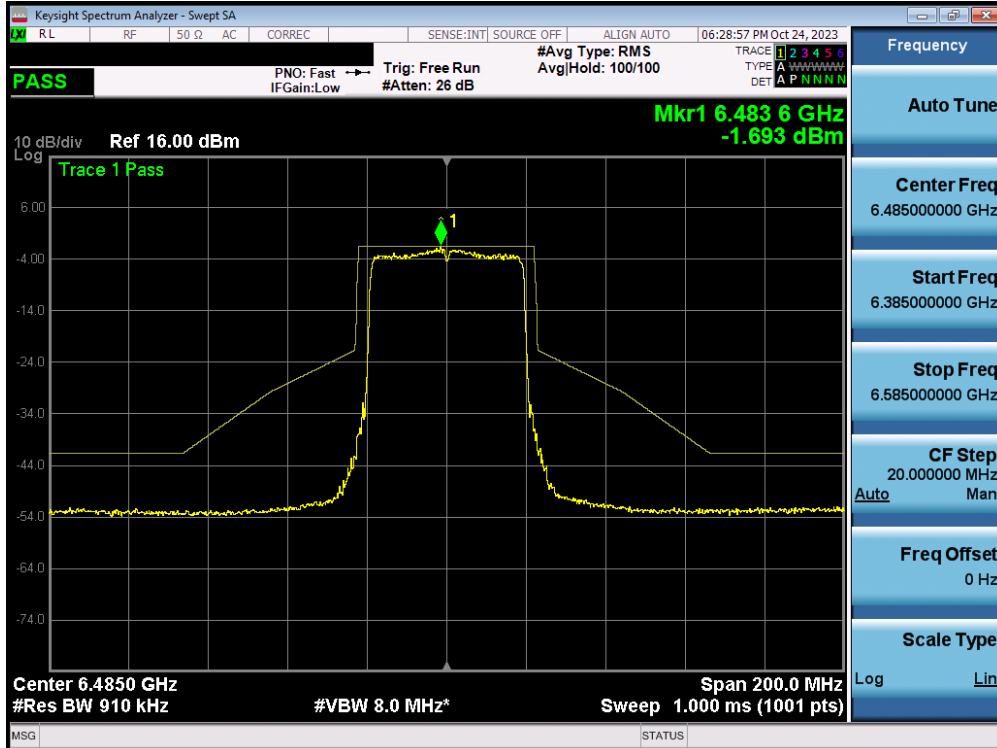
Plot 7-467. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 31) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Full Tones) – (UNII Band 6)

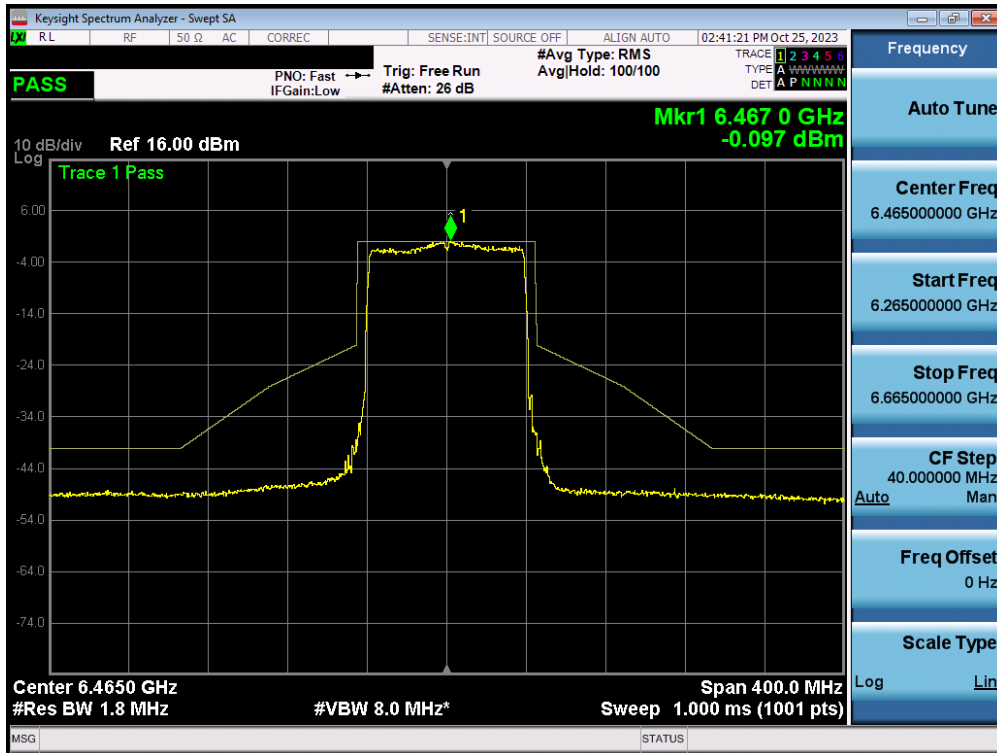


Plot 7-468. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 6) – Ch. 105) – LPI

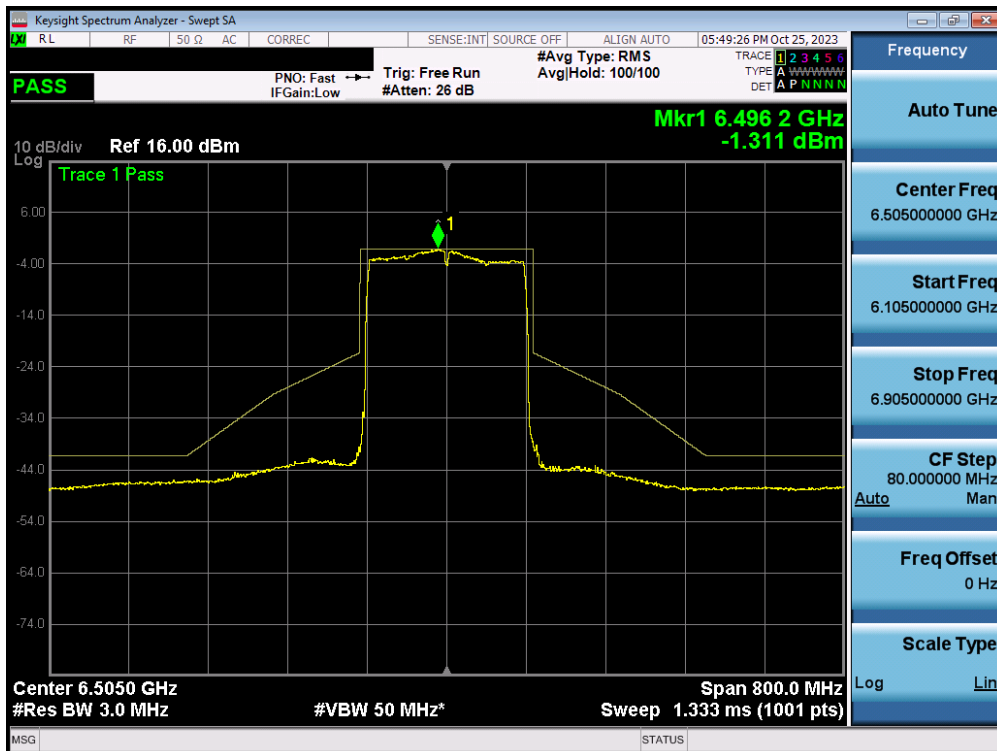


Plot 7-469. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 6) – Ch. 107) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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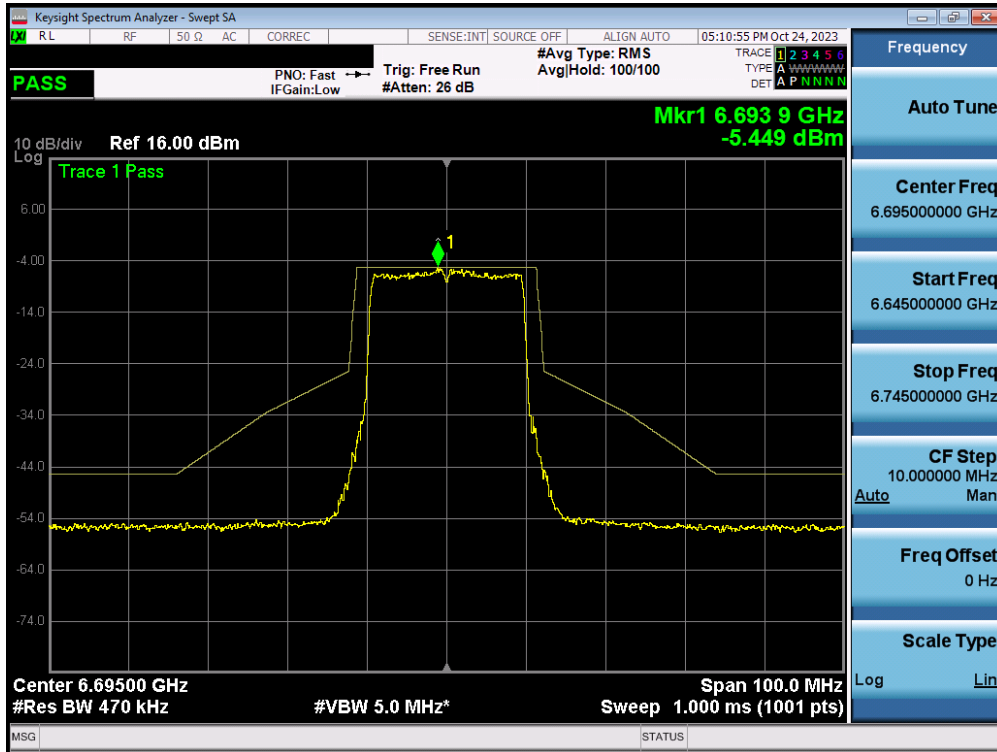
Plot 7-470. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 6) – Ch. 103) – LPI



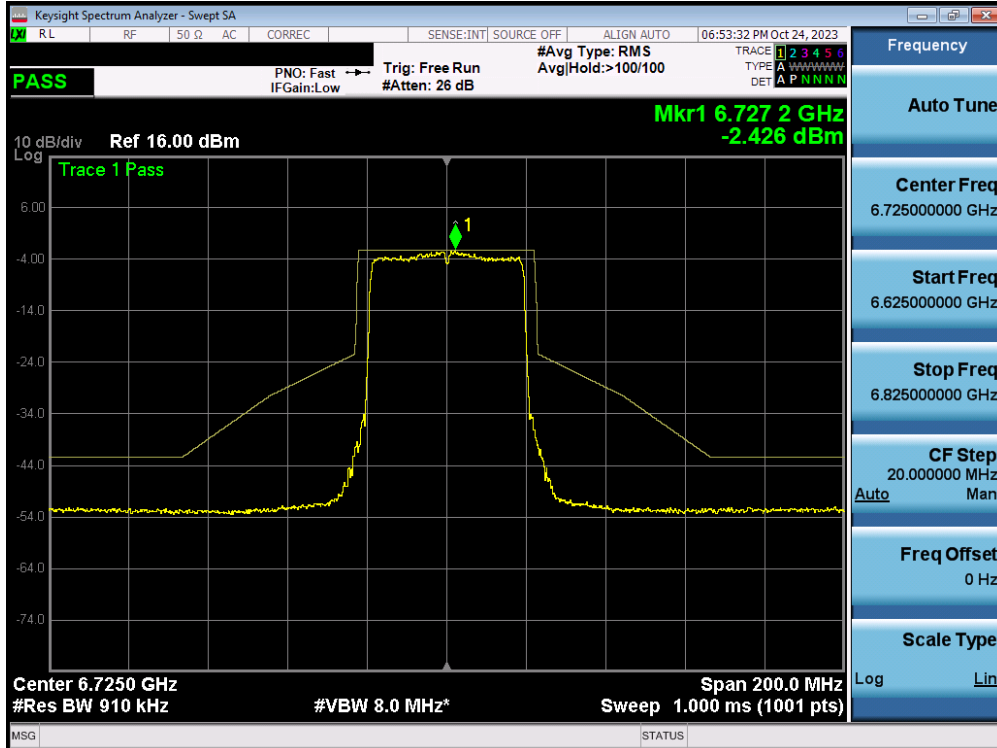
Plot 7-471. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 6) – Ch. 111) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Full Tones) – (UNII Band 7)

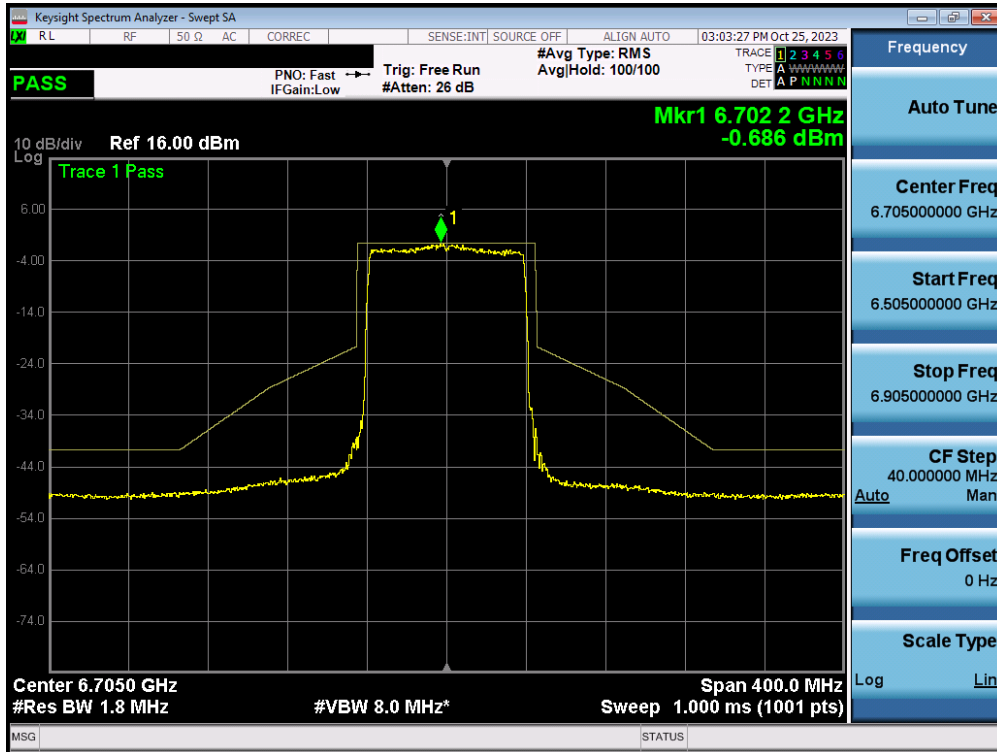


Plot 7-473. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 149) – LPI

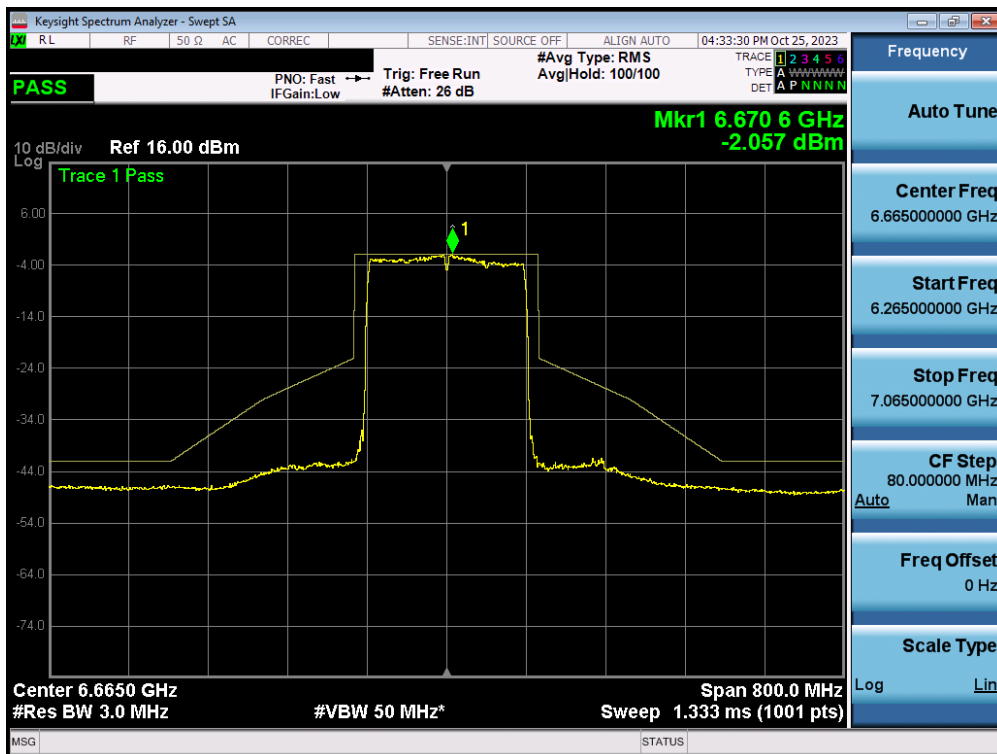


Plot 7-474. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 155) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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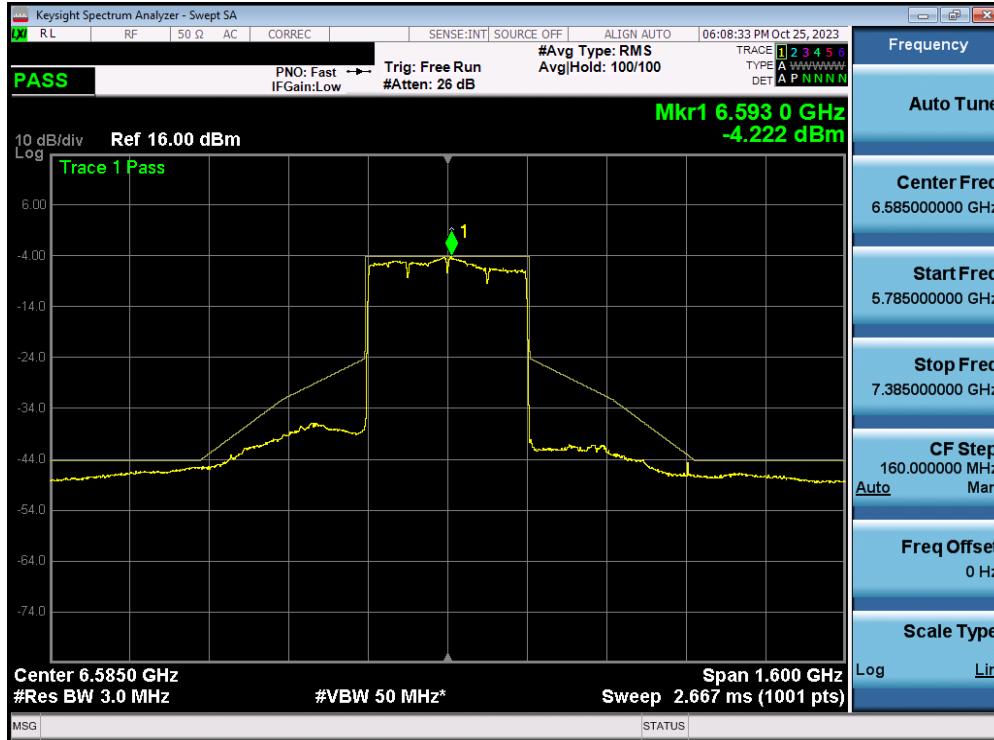


Plot 7-475. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 151) – LPI

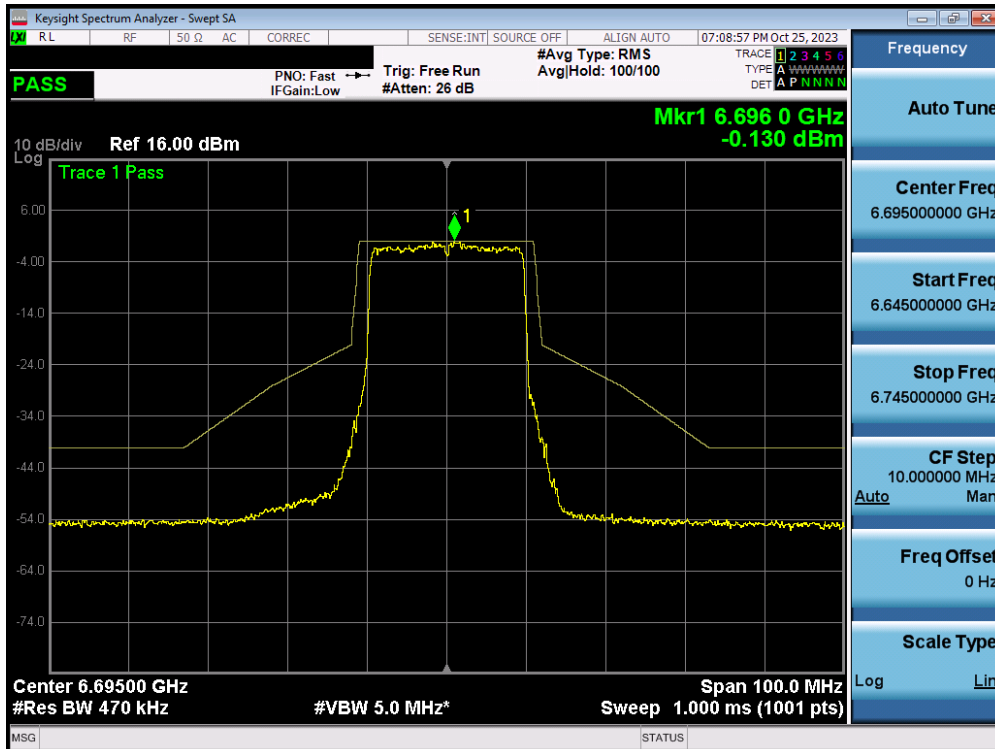


Plot 7-476. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 143) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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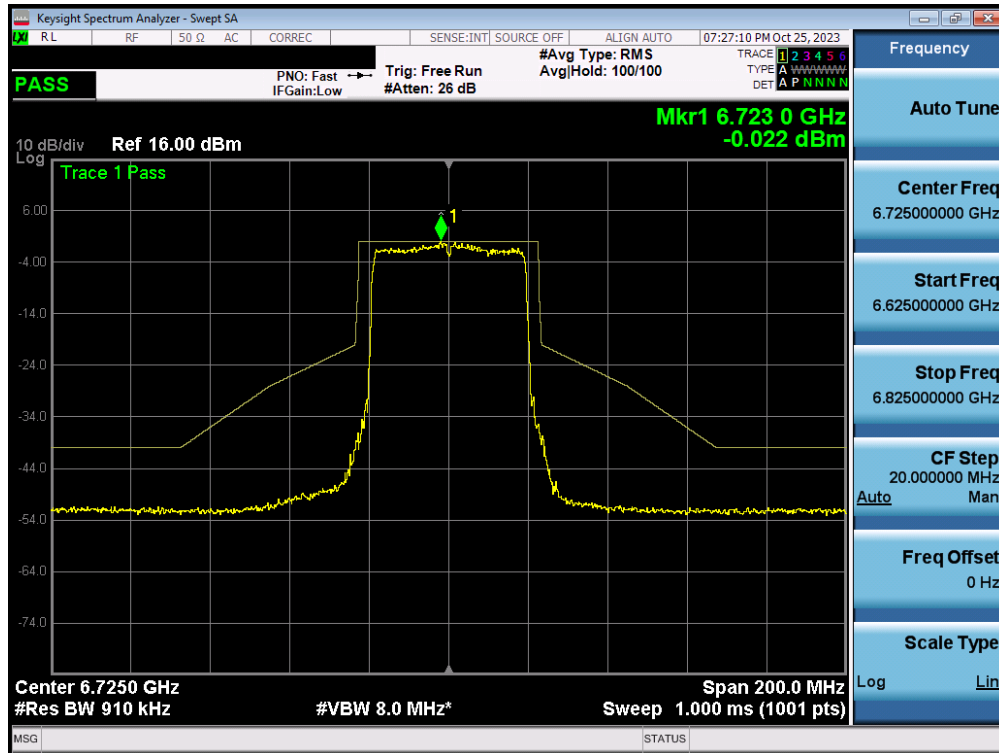


Plot 7-477. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (Full Tones) (UNII Band 6/7) – Ch. 127) – LPI

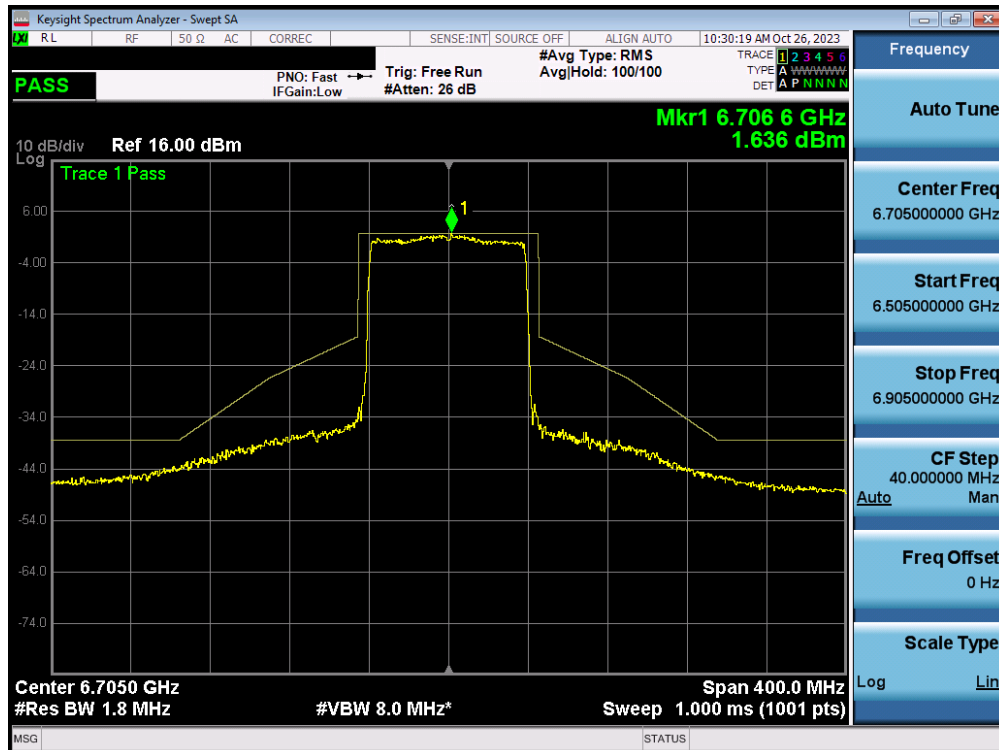


Plot 7-478. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 149) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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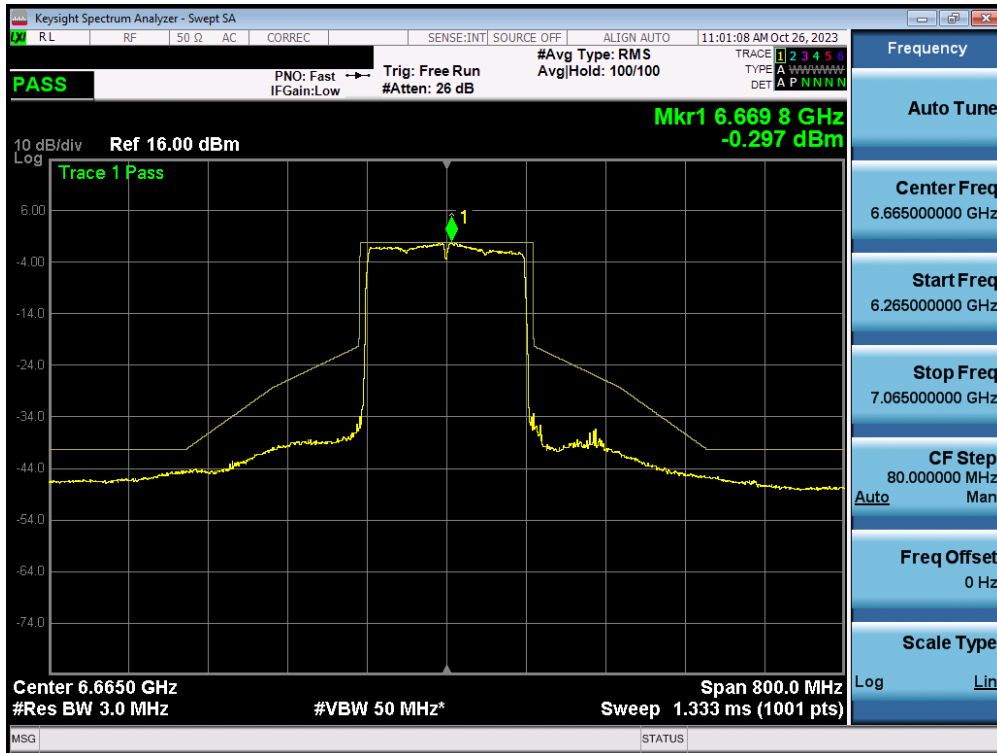


Plot 7-479. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 155) – SP

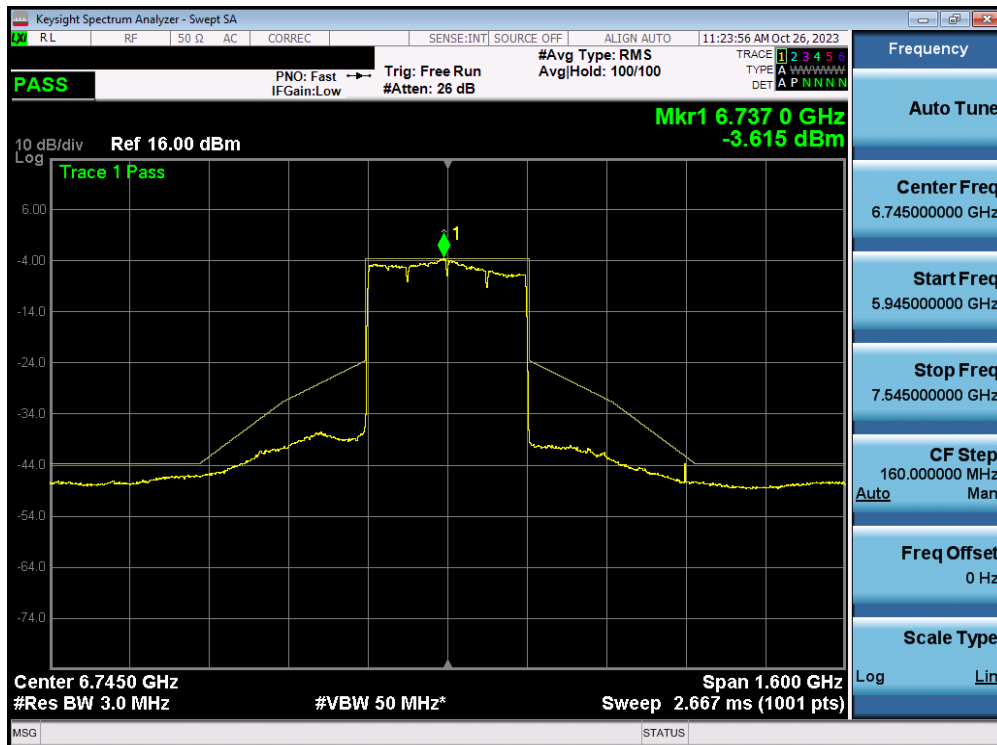


Plot 7-480. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 151) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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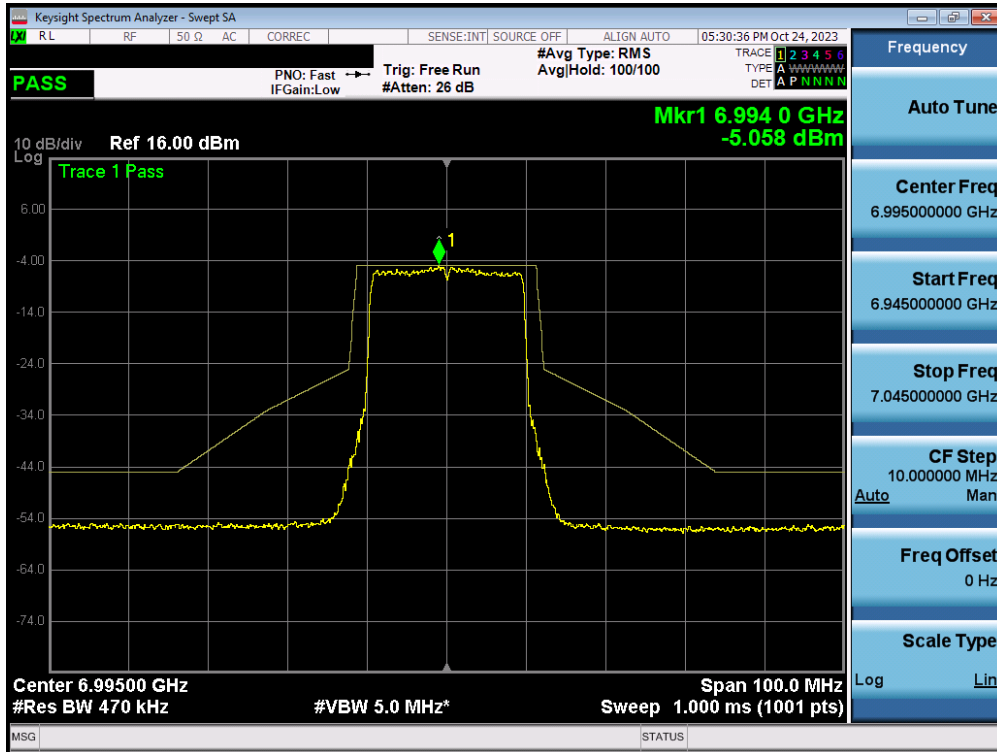
Plot 7-481. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 7) – Ch. 143) – SP



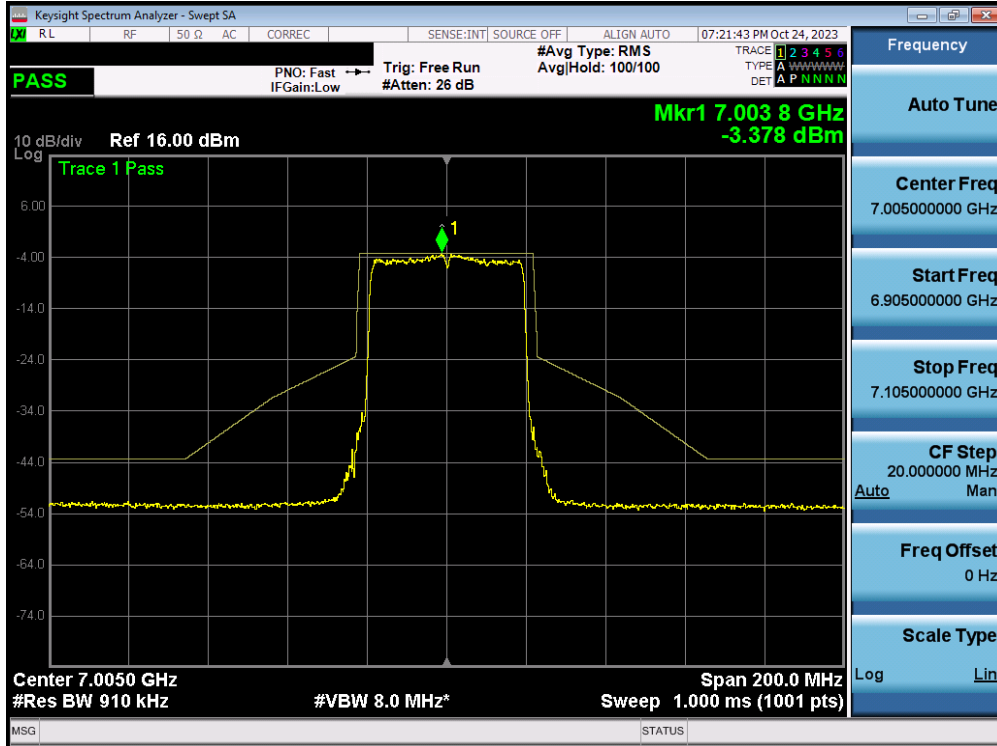
Plot 7-482. In-Band Emission Plot MIMO ANT2 (320MHz BW 802.11ax/be (Full Tones) (UNII Band 7/8) – Ch. 159) – SP

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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MIMO Antenna-2 In-Band Emission - (Full Tones) – (UNII Band 8)

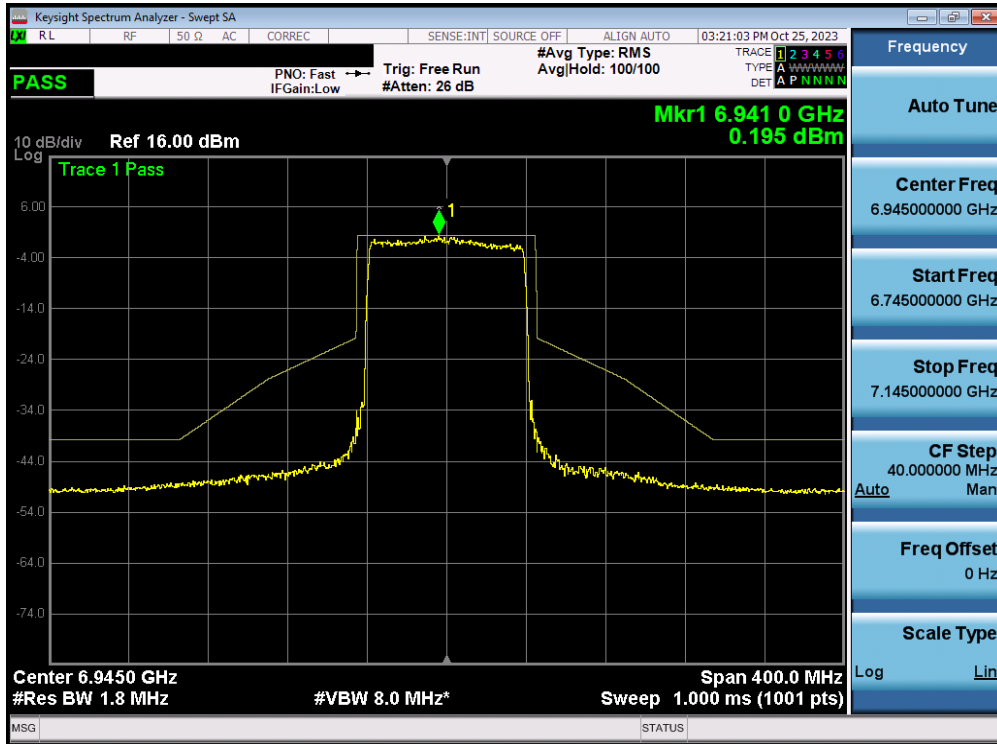


Plot 7-483. In-Band Emission Plot MIMO ANT2 (20MHz BW 802.11ax/be (Full Tone) (UNII Band 8) – Ch. 209) – LPI

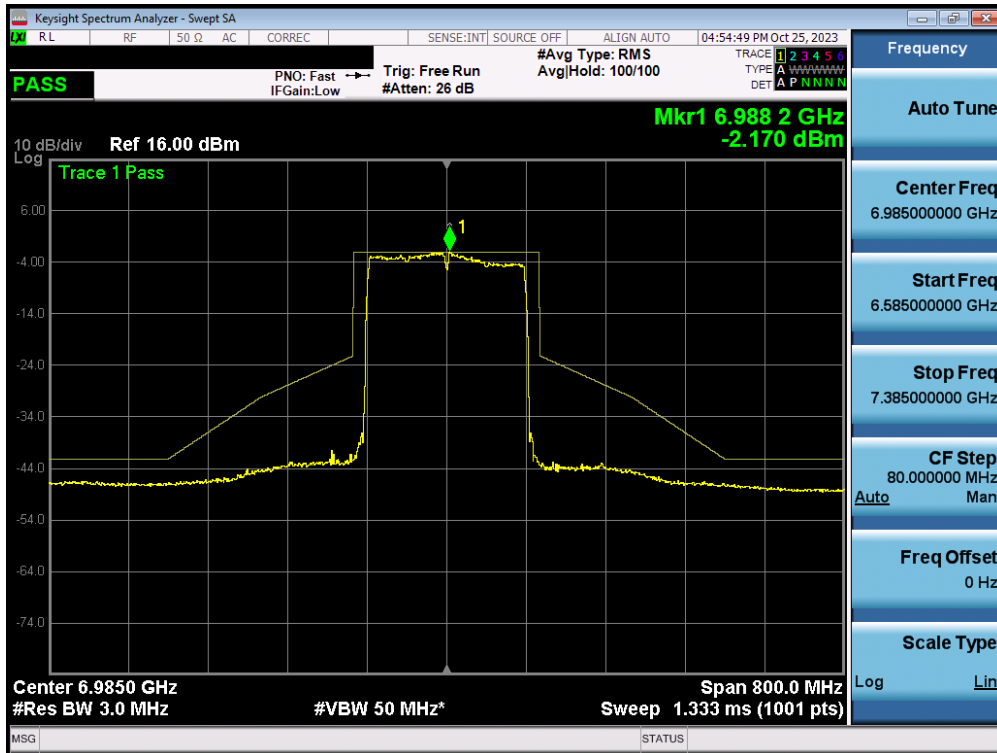


Plot 7-484. In-Band Emission Plot MIMO ANT2 (40MHz BW 802.11ax/be (Full Tone) (UNII Band 8) – Ch. 211) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-485. In-Band Emission Plot MIMO ANT2 (80MHz BW 802.11ax/be (Full Tone) (UNII Band 8) – Ch. 199) – LPI



Plot 7-486. In-Band Emission Plot MIMO ANT2 (160MHz BW 802.11ax/be (Full Tone) (UNII Band 8) – Ch. 207) – LPI

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6 Contention Based Protocol

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 if 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

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 EUT 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. 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 of KDB 987594 D02 v01r01 to determine the 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.

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Test Setup

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

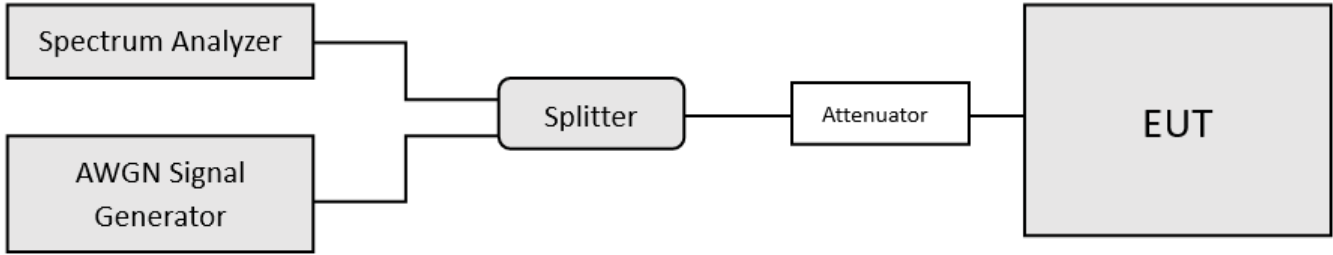


Figure 7-5. Contention-based protocol test setup, conducted method

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 7-488). The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission (see Plot 7-489), M1 indicates the point at which the AWGN signal is introduced. D1 indicates where the AWGN signal is terminated, at least 10 seconds following M1.
2. 15 trials were run in order to ensure certainty of 90%
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.
5. In the presence of an AWGN signal, the EUT will use either bandwidth reduction or the channel will cease transmitting completely for the purpose of incumbent avoidance. Representative bandwidth reduction plots are included for one sub-band to show how the channel reduces when the AWGN is injected at the lower edge, the center, and the upper edge of a channel.
6. For the bandwidth reduction demonstration in Section 7.6.3, only plots from UNII-5 band are included. Additionally, the AWGN signal is not visible because the AWGN level is well below the noise floor.

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

Equation 7-1. Detection Level Calculation

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Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-80.25	-6.31	-73.94	-62.0	-11.94
	31	6265	320	6110	-81.47	-6.31	-75.16	-62.0	-13.16
				6265	-76.06	-6.31	-69.75	-62.0	-7.75
				6420	-79.06	-6.31	-72.75	-62.0	-10.75
UNII Band 6	101	6455	20	6455	-79.53	-6.53	-73.00	-62.0	-11.00
	95	6425	320	6270	-83.45	-6.53	-76.92	-62.0	-14.92
				6425	-75.66	-6.53	-69.13	-62.0	-7.13
				6580	-81.85	-6.53	-75.32	-62.0	-13.32
UNII Band 7	149	6695	20	6695	-81.87	-7.12	-74.75	-62.0	-12.75
	159	6745	320	6590	-85.62	-7.12	-78.50	-62.0	-16.50
				6745	-70.35	-7.12	-63.23	-62.0	-1.23
				6900	-81.42	-7.12	-74.30	-62.0	-12.30
UNII Band 8	197	6935	20	6935	-80.07	-9.13	-70.94	-62.0	-8.94
	191	6905	320	6750	-84.77	-9.13	-75.64	-62.0	-13.64
				6905	-77.26	-9.13	-68.13	-62.0	-6.13
				7060	-81.20	-9.13	-72.07	-62.0	-10.07

Table 7-47. Contention Based Protocol – Incumbent Detection Results

Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	Antenna Gain [dBi]	EUT Transmission Status			Detection Limit [dBm]	Margin [dB]
						Adjusted AWGN Power (dBm)				
						Normal	Minimal	Ceased		
UNII Band 5	53	6215	20	6215	-6.31	-77.74	-75.04	-73.94	-62.0	-11.94
	31	6265	320	6190	-6.31	-78.96	-76.26	-75.16	-62.0	-13.16
				6265	-6.31	-73.55	-70.85	-69.75	-62.0	-7.75
				6340	-6.31	-76.55	-73.85	-72.75	-62.0	-10.75
UNII Band 6	101	6455	20	6455	-6.53	-76.80	-74.10	-73.00	-62.0	-11.00
	95	6425	320	6350	-6.53	-80.72	-78.02	-76.92	-62.0	-14.92
				6425	-6.53	-72.93	-70.23	-69.13	-62.0	-7.13
				6500	-6.53	-79.12	-76.42	-75.32	-62.0	-13.32
UNII Band 7	149	6695	20	6695	-7.12	-78.55	-75.85	-74.75	-62.0	-12.75
	159	6745	320	6670	-7.12	-82.30	-79.60	-78.50	-62.0	-16.50
				6745	-7.12	-67.03	-64.33	-63.23	-62.0	-1.23
				6820	-7.12	-78.10	-75.40	-74.30	-62.0	-12.30
UNII Band 8	197	6935	20	6935	-9.13	-74.74	-72.04	-70.94	-62.0	-8.94
	191	6905	320	6830	-9.13	-79.44	-76.74	-75.64	-62.0	-13.64
				6905	-9.13	-71.93	-69.23	-68.13	-62.0	-6.13
				6980	-9.13	-75.87	-73.17	-72.07	-62.0	-10.07

Table 7-48. Contention Based Protocol – Detection Results – All Tx Cases

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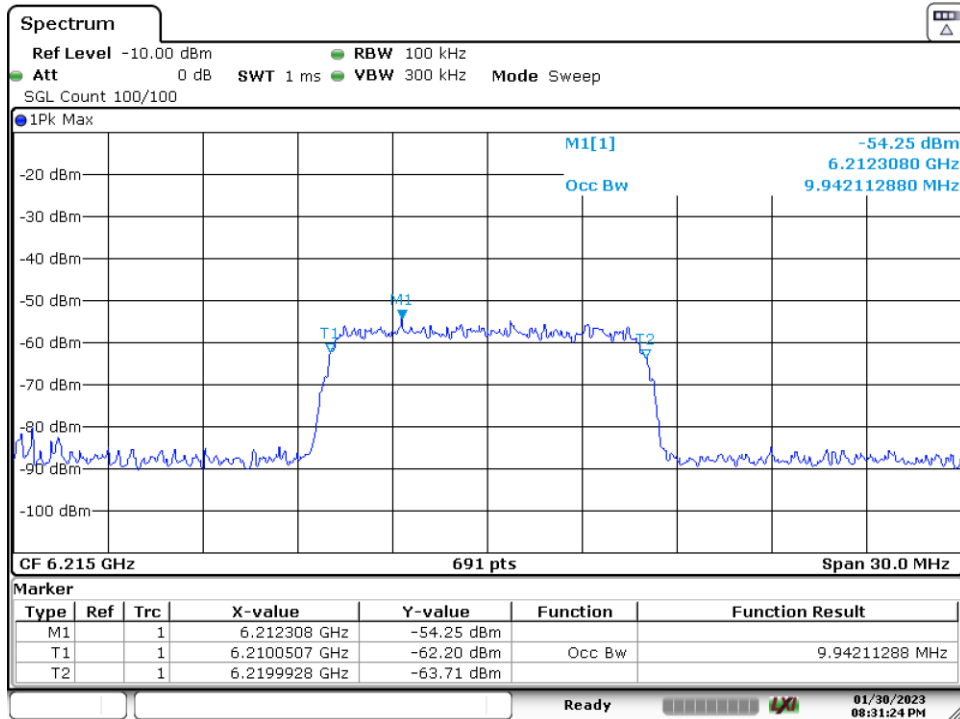


Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate (%)	
UNII Band 5	53	6215	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	31	6265	320	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 6	101	6455	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	95	6425	320	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 7	149	6695	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	159	6745	320	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNII Band 8	197	6935	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	191	6905	320	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table 7-49. Contention Based Protocol – Incumbent Detection Trial Results

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 298 of 330

7.6.1 AWGN Plots

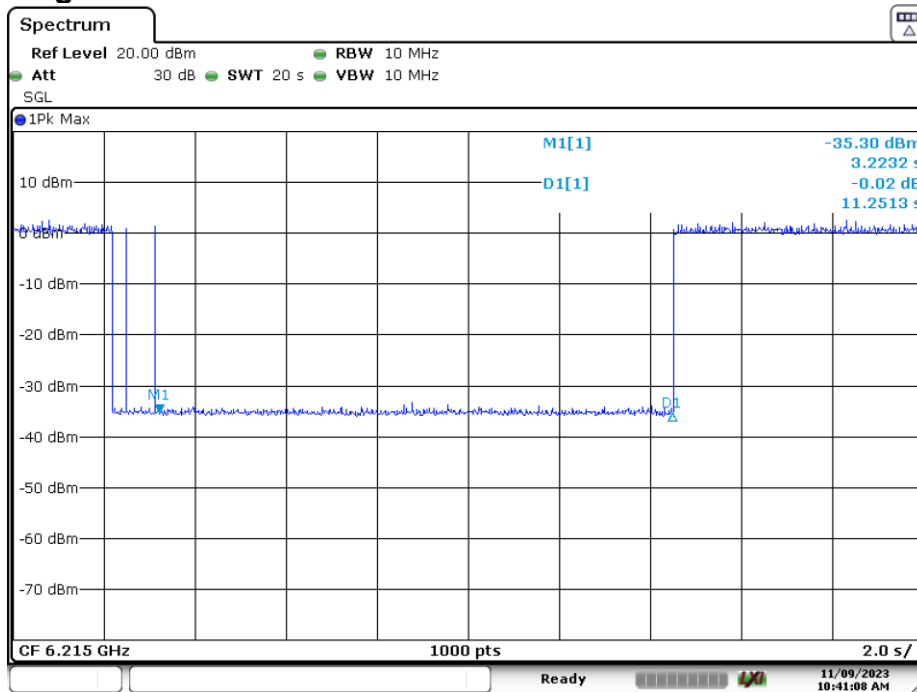


Date: 30.JAN.2023 20:31:24

Plot 7-488. AWGN Signal (Demonstration)

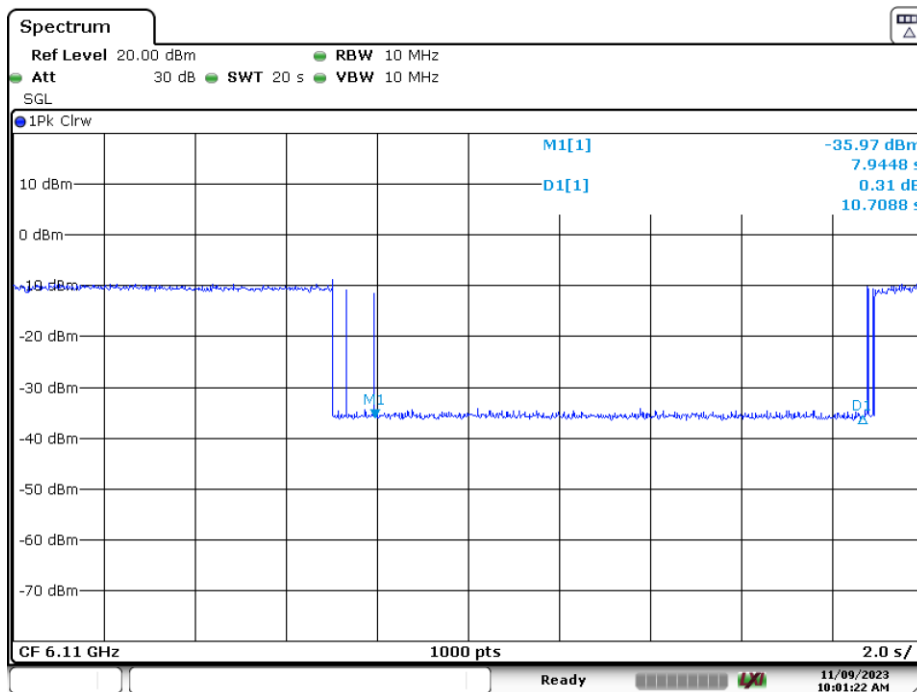
FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 299 of 330

7.6.2 CBP Timing Plots



Date: 9.NOV.2023 10:41:08

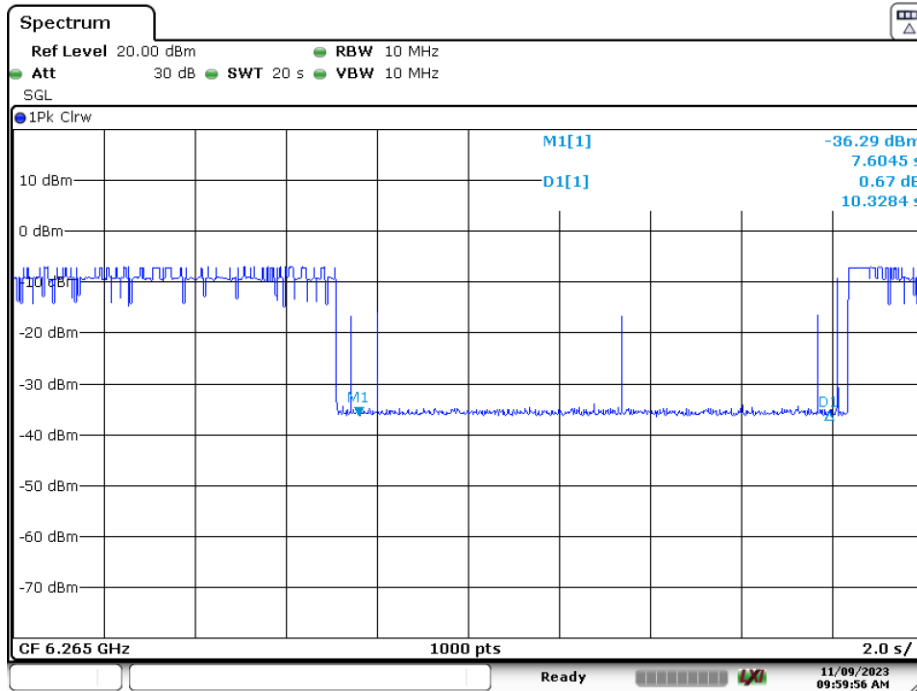
Plot 7-489. Contention Based Protocol Timing Plot (20MHz (UNII Band 5) – Ch. 53)



Date: 9.NOV.2023 10:01:22

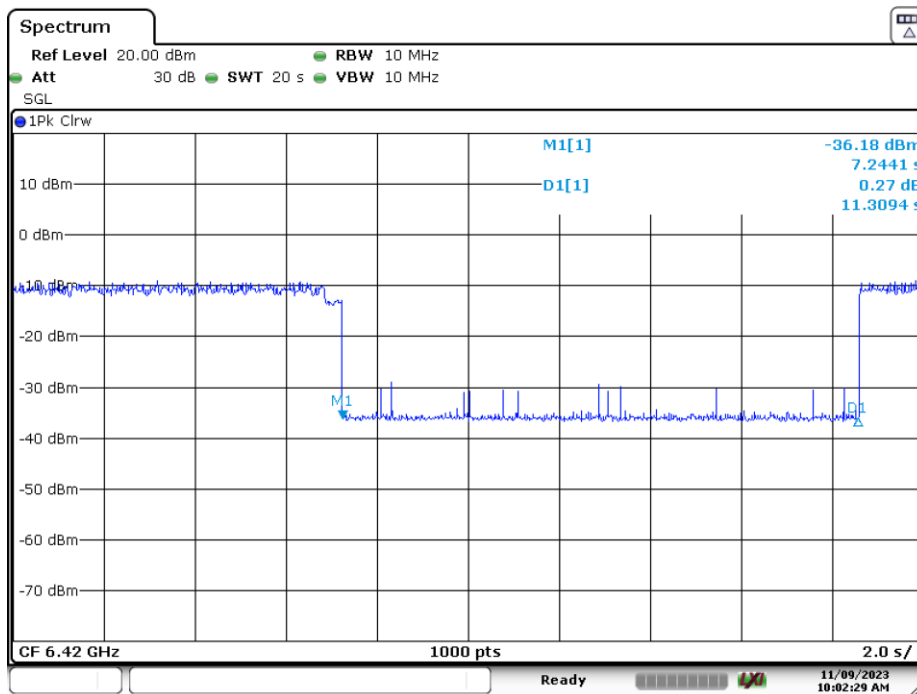
Plot 7-490. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 31 Low)

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 300 of 330



Date: 9.NOV.2023 09:59:56

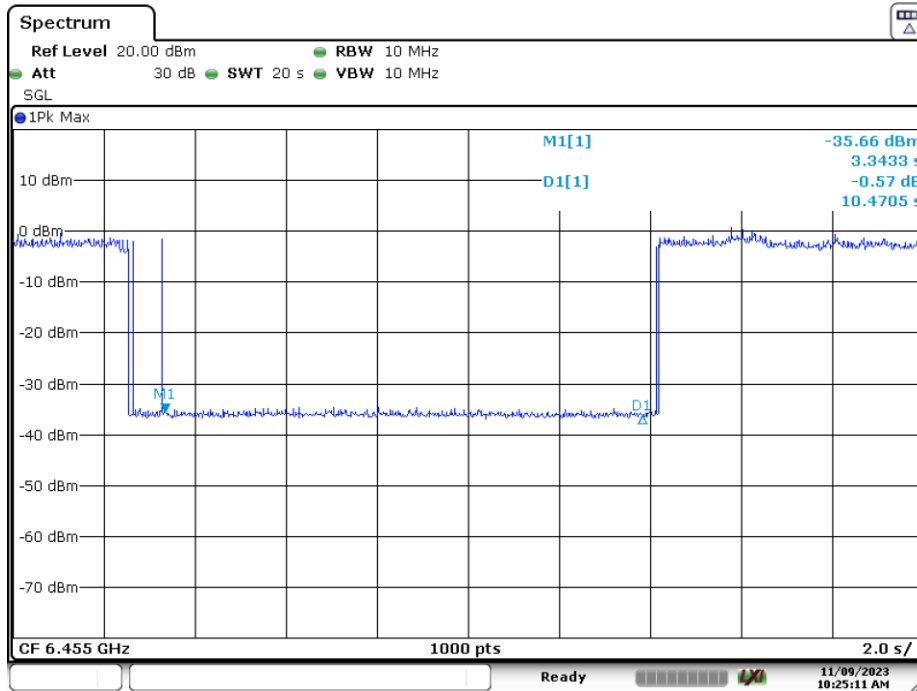
Plot 7-491. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 31 Mid)



Date: 9.NOV.2023 10:02:29

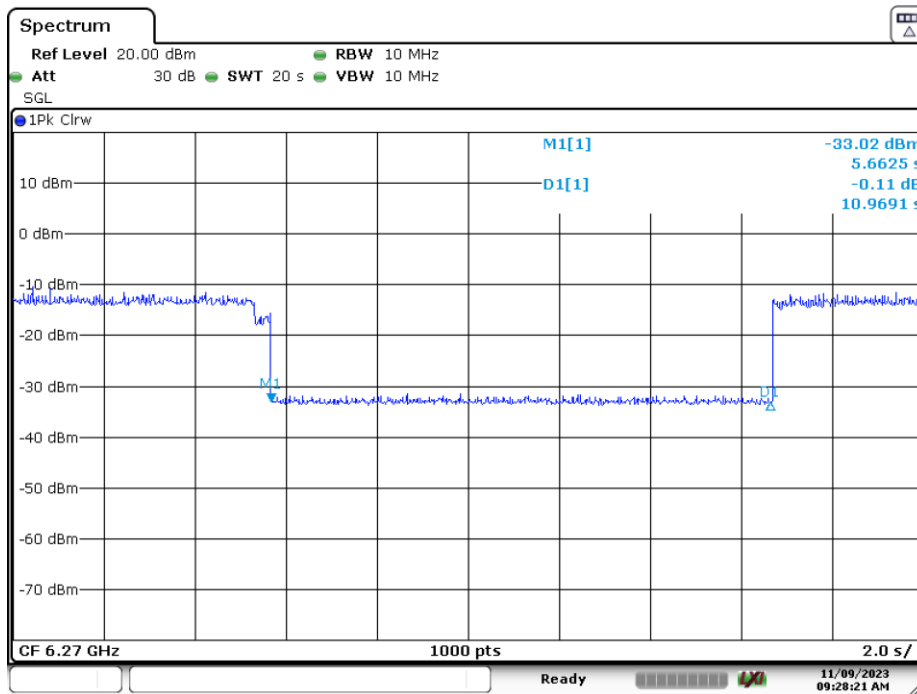
Plot 7-492. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 31 High)

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 301 of 330



Date: 9.NOV.2023 10:25:11

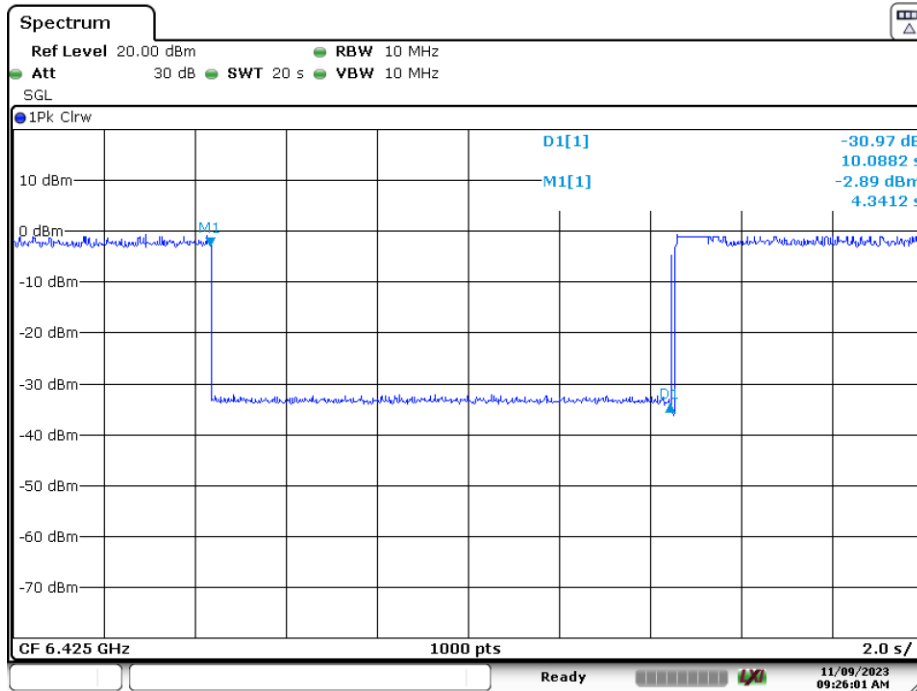
Plot 7-493. Contention Based Protocol Timing Plot (20MHz (UNII Band 6) – Ch. 101)



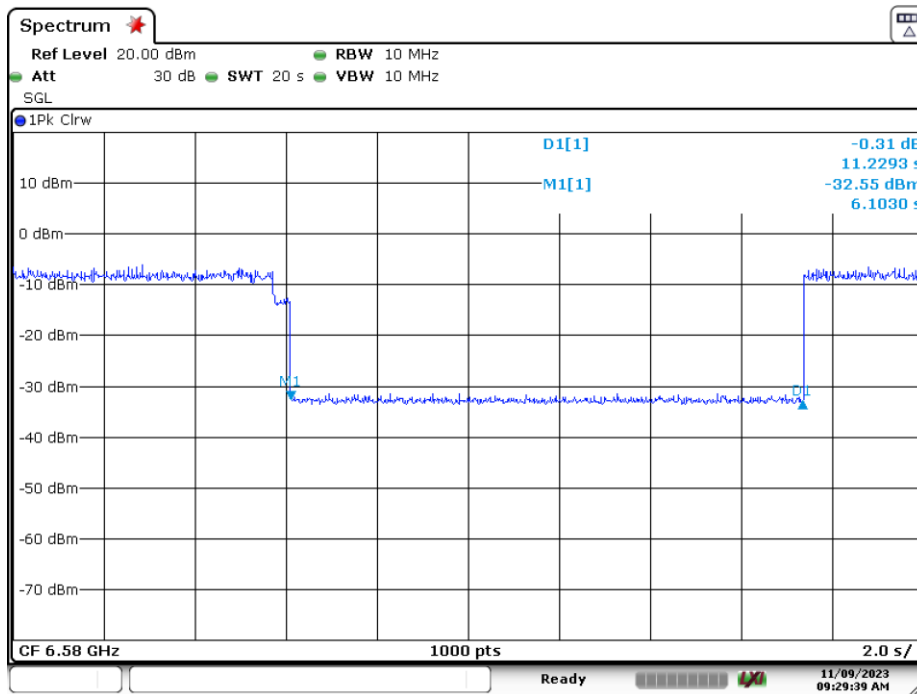
Date: 9.NOV.2023 09:28:21

Plot 7-494. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 Low)

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 302 of 330

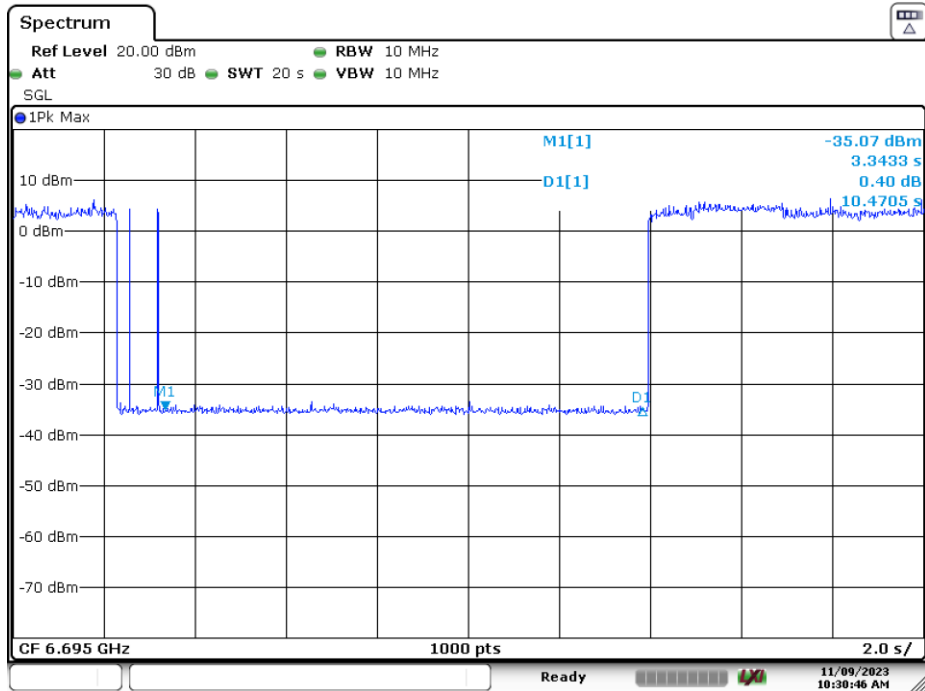


Plot 7-495. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 Mid)



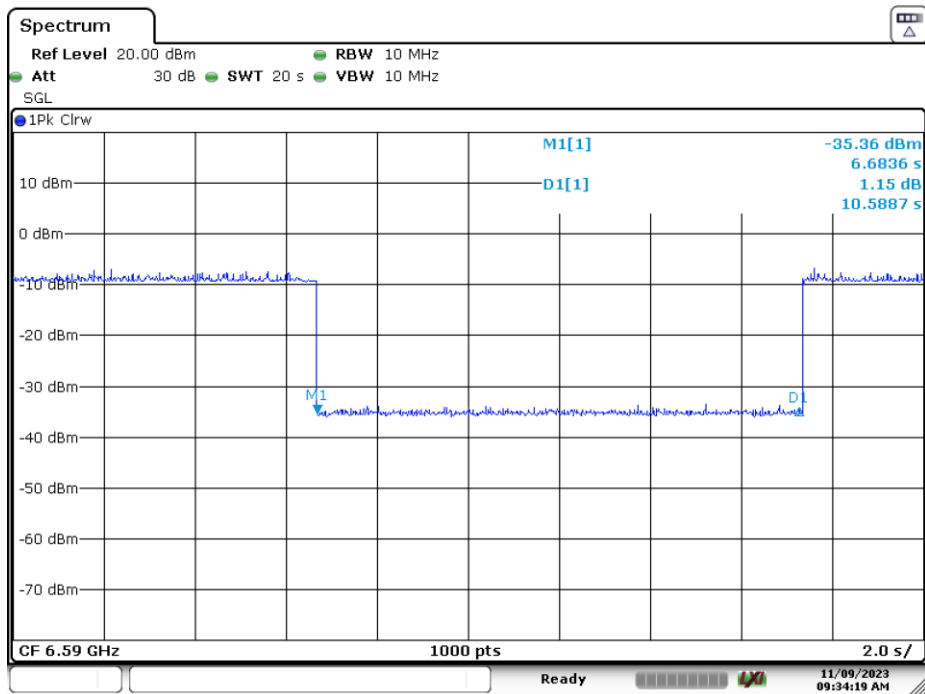
Plot 7-496. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 High)

FCC ID: A3LSMS928B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset	Page 303 of 330



Date: 9.NOV.2023 10:30:46

Plot 7-497. Contention Based Protocol Timing Plot (20MHz (UNII Band 7) – Ch. 149)



Date: 9.NOV.2023 09:34:19

Plot 7-498. Contention Based Protocol Timing Plot (320MHz (UNII Band 7) – Ch. 159 Low)

FCC ID: A3LSMS928B		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210093-16-R1.A3L	Test Dates: 8/22 - 11/09/2023	EUT Type: Portable Handset		Page 304 of 330