

TEST REPORT

ACCORDING TO: FCC 47CFR part 96

FOR:

Airspan Networks Inc.

LTE Base Station Radio

Model: AirUnity 588, 3.550-3.700 GHz (B48)

FCC ID: PIDAU588ENB37

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1 Applicant information

Client name: Airspan Networks Inc.
Address: 777 Yamato, Road Suite 310 Boca Raton, FL 33431, USA
Telephone: +1 561 893 8670
Fax: +1 561 893 8671
E-mail: zlevi@airspan.com
Contact name: Mr. Zion Levi

2 Equipment under test attributes

Product name: LTE Base Station Radio
Product type: Transceiver
Model(s): AirUnity 588, 3.550-3.700 GHz (B48)
Serial number: F4886B061408
Hardware version: A9
Software release: SR-16.50
Receipt date 09-Nov-22

3 Manufacturer information

Manufacturer name: Airspan Networks Inc.
Address: 777 Yamato, Road Suite 310 Boca Raton, FL 33431, USA
Telephone: +1 561 893 8670
Fax: +1 561 893 8671
E-Mail: zlevi@airspan.com
Contact name: Mr. Zion Levi

4 Test details

Project ID: 49155
Location: Hermon Laboratories Ltd. P.O. Box 23, Binyamina 3055001, Israel
Test started: 15-Feb-23
Test completed: 24-Feb-23
Test specification(s): FCC 47CFR part 96



5 Tests summary

Test	Status
Transmitter characteristics	
Section 96.41(b), Maximum EIRP and maximum power spectral density	Pass
Section 96.41(g), Peak-to- average power ratio	Pass
Section 2.1049, Occupied bandwidth	Pass
Section 96.41(e), Emission mask	Pass
Section 96.41(e)(2), Radiated spurious emissions	Pass
Section 96.41(e)(3), Conducted spurious emissions	Pass
Section 2.1055, Frequency stability	Pass

This test report supersedes the previously issued test report identified by Doc ID: AIRRAD_FCC.49155_Rev2

Testing was completed against all relevant requirements of the test standard. However, results obtained indicate that the product under test complies in full with the requirements tested.
The test results relate only to the items tested. Pass/ fail decision was based on nominal values.

	Name and Title	Date	Signature
Tested by:	Mrs. M. Evsuk, test engineer, EMC & Radio	15-Feb-23 – 24-Feb-23	
Reviewed by:	Mrs. S. Peysahov Sheynin, test engineer, EMC & Radio	29-Mar-23	
Approved by:	Mr. M. Nikishin, group leader, EMC & Radio	29-Mar-23	

6 EUT description

Note: The following data in this clause is provided by the customer and represents his sole responsibility

6.1 General information

The EUT, Mobile Digital station, AirUnity 3.55-3.7GHz, Band 48, is part of a LTE broadband fixed cellular wireless access system. The system provides a radio link between an end-user (a subscriber) and a network to give high-speed data access. The AirUnity's transceiver/receiver (Up to 256 QAM modulation, data rate up to 143 Mbps) equipped with a 10dBi internal antenna. Advanced Antenna Techniques 2x2 MIMO are supported. The maximum RF output power (not including antenna gain) is 22.49 dBm for 10dBi and it can be reduced by software.

Antennas 1/2 is one sector and antennas 3/4 is another sector.

The AiUnity is installed indoors. The Subscriber transmits and receives traffic to and from the base station respectively. The transceiver provides subscribers with "always-on" Internet, high speed data only, or data and voice (VoIP) services and is configured with a unique base station reference number, preventing the LTE UE from relocating to another subscriber premises without authorization.

Note: The AirUnity equipment defined as Category A CBSD (Citizens Broadband Radio Service Device)

Antennas 1/2 arrange one sector while antenna 1 is cross polarized to antenna 2 and antennas 3/4 arrange another sector while antenna 3 is cross polarized to antenna 4.

The transmitter output signals are completely uncorrelated, antennas 1/2 is one sector and antennas 3/4 is another sector!

6.2 Ports and lines

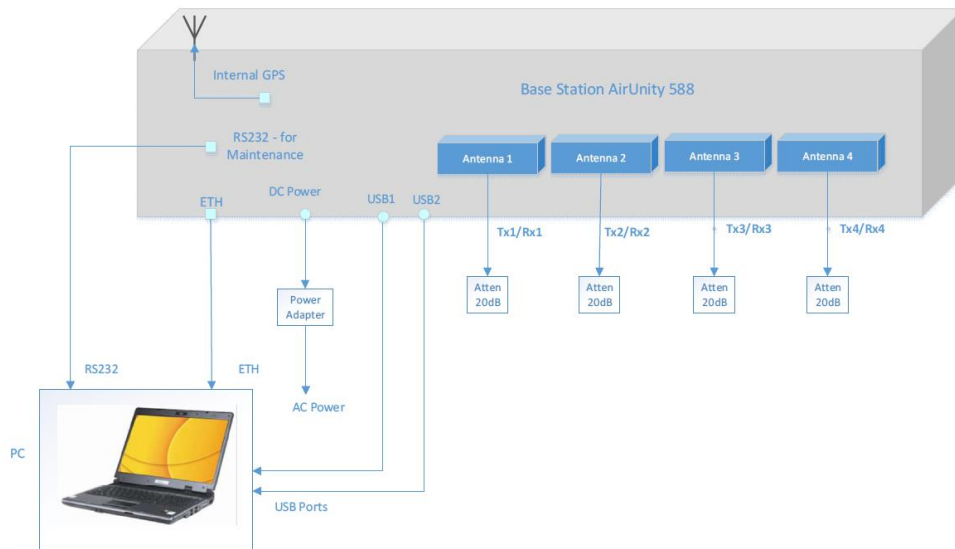
Port No.	Name	Type	Cable Max. >3m	Cable Shielded	Qty.	Comments
1	ETH	RG45	>3m	v	1	NA
2	RS232	RG45	>3m	v	1	For maintenance
3	USB port	USB	>3m	-	2	
4	Internal GPS	Int. GPS antenna	NA	NA	1	NA
5	DC power 12VDC	Power	>3m	-	1	

6.3 Ports and lines

Use	Product Type	Manufacturer	Model	Qty.	Serial number
AE	PC	DELL	Latitude E7440	1	3234219878
AE	RF attenuator 20 dB	Mini-circuite	VAT-20+	4	NA
AE	Power adapter	DEE VAN	DSA-60DFE-12	1	NA



6.4 Test configuration



6.5 Changes made in the EUT

No changes were implemented in the EUT during testing.



6.6 Transmitter characteristics

Type of equipment					
<input checked="" type="checkbox"/>	Stand-alone (Equipment with or without its own control provisions)				
	Combined equipment (Equipment where the radio part is fully integrated within another type of equipment)				
	Plug-in card (Equipment intended for a variety of host systems)				
Intended use		Condition of use			
	fixed	Always at a distance more than 2 m from all people			
<input checked="" type="checkbox"/>	mobile	Always at a distance more than 20 cm from all people			
	portable	May operate at a distance closer than 20 cm to human body			
Assigned frequency range		3550.0 – 3700.0 MHz			
Operating frequency (full bands)		3555.0 – 3695.0 MHz			
RF channel spacing		10 MHz, 20 MHz			
Maximum rated output power		At transmitter 50 Ω RF output connector (per port)		22.49 dBm	
Is transmitter output power variable?		No			
		<input checked="" type="checkbox"/>	Yes	continuous variable	
				<input checked="" type="checkbox"/> stepped variable with step size	0.25 dB
				minimum RF power	-30 dBm
		maximum RF power at antenna connector			dBm
Antenna connection					
unique coupling	<input checked="" type="checkbox"/>	standard connector	Integral	<input checked="" type="checkbox"/> with temporary RF connector without temporary RF connector	
Antenna/s technical characteristics					
Type	Manufacturer	Model number	Gain		
Internal	Airspan	AN1018-1	10 dBi		
Transmitter aggregate data rate/s, Mbps					
Transmitter 26dBc power bandwidth		Type of modulation			
		QPSK	16QAM	64QAM	256QAM
10 MHz		10.7	22.7	47.3	71.5
20 MHz		23.4	45.4	95.0	143.0
Type of multiplexing		TDD			
Modulating test signal (baseband)		PRBS			
Maximum transmitter duty cycle in normal use		0.74			
Transmitter power source					
		Nominal rated voltage		Battery type	
	DC	Nominal rated voltage			
<input checked="" type="checkbox"/>	AC mains	Nominal rated voltage	100-240VAC	Frequency	50/60Hz
Common power source for transmitter and receiver		<input checked="" type="checkbox"/>	yes	no	



6.7 Table of calculations for the MAX EIRP at frequency range 3550 – 3700 MHz

Antenna configuration	Antenna Vendor	Antenna Model Number	Antenna Peak Gain (dBi)	Signal Bandwidth (MHz)	Maximum Conducted Power (dBm)	EIRP (dBm/10MHz)	EIRP per Bandwidth (dBm)	Operational Category
1	Airspan	AN1018-1	10 dBi	10.0	19.76	29.76	29.76	A
				20.0	22.49	29.98	32.49	



Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

7 Transmitter tests according to 47CFR part 96

7.1 Maximum EIRP and maximum power spectral density

7.1.1 General

This test was performed to measure the maximum EIRP and maximum spectral power density at the transmitter RF antenna connector. Specification test limits are given in Table 7.1.1, Table 7.1.2.

Table 7.1.1 Maximum EIRP limits

Assigned frequency range, MHz	EIRP
	dBm/10 MHz
3550 - 3700	30.0

Table 7.1.2 Peak spectral power density limits

Assigned frequency range, MHz	Measurement bandwidth, MHz	Peak spectral power density, dBm
3550 - 3700	1.0	20.0

7.1.2 Test procedure

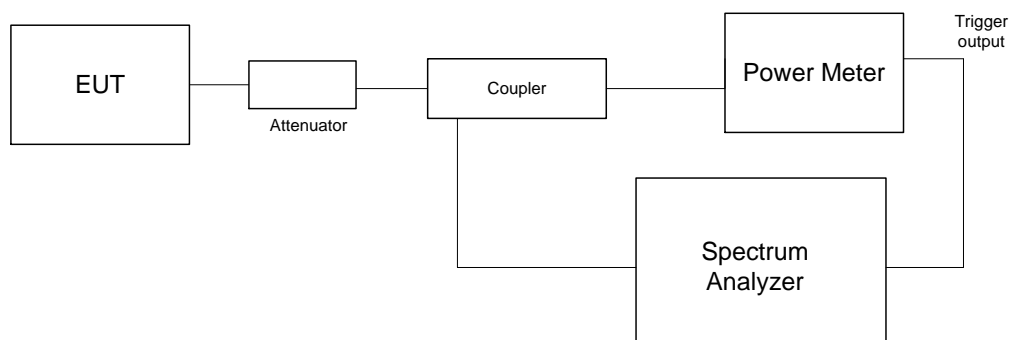
7.1.2.1 The EUT was set up as shown in Figure 7.1.1, energized and its proper operation was checked.

7.1.2.2 The EUT was adjusted to produce maximum available to end user RF output power.

7.1.2.3 The frequency span of spectrum analyzer was set to capture the entire 6 dB band of the transmitter, in average mode with resolution bandwidth set to 1.0 MHz, video bandwidth wider than resolution bandwidth, sweep time and sufficient number of sweeps was allowed for trace stabilization.

7.1.2.4 Spectrum analyzer was set in average mode, sufficient number of sweeps was allowed for trace stabilization and peak spectral power density was measured as provided in Table 7.1.3, Table 7.1.4 and the associated plots.

Figure 7.1.1 Peak output power test setup





Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Table1.1.2 Maximum EIRP test results

ASSIGNED FREQUENCY RANGE: 3550.0 – 3700.0 MHz
DETECTOR USED: Average (gated)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
CHANNEL SPACING: 10 MHz

Frequency , MHz	RF Output power				Antenna gain, dBi	EIRP*, dBm/10 MHz	Limit, dBm/10 MHz	Margin, dB**	Verdict
	Chain RF#1, dBm	Chain RF#2, dBm	Chain RF#3, dBm	Chain RF#4, dBm					
Modulation QPSK									
3555	19.69	19.72	19.76	19.74	10	29.76	30	-0.24	Pass
3625	19.54	19.56	19.58	19.44	10	29.58	30	-0.42	Pass
3695	19.64	19.58	19.60	19.66	10	29.66	30	-0.34	Pass
Modulation 16QAM									
3555	19.74	19.69	19.70	19.71	10	29.74	30	-0.26	Pass
3625	19.53	19.60	19.56	19.52	10	29.60	30	-0.40	Pass
3695	19.64	19.59	19.62	19.65	10	29.64	30	-0.36	Pass
Modulation 64QAM									
3555	19.79	19.76	19.72	19.72	10	29.79	30	-0.21	Pass
3625	19.42	19.48	19.52	19.46	10	29.52	30	-0.48	Pass
3695	19.59	19.62	19.63	19.56	10	29.63	30	-0.37	Pass
Modulation 256QAM									
3555	19.74	19.66	19.71	19.72	10	29.74	30	-0.26	Pass
3625	19.53	19.49	19.54	19.52	10	29.54	30	-0.46	Pass
3695	19.61	19.58	19.66	19.63	10	29.66	30	-0.34	Pass

* - EIRP = Max SA reading (Chains #1&2 and #3&4) + Antenna gain: The transmitter output signal are completely uncorrelated, antennas 1/2 is one sector and antennas 3/4 is another sector.

** - Margin = EIRP, dBm – specification limit.



Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Table 7.1.3 Maximum EIRP test results (continue)

ASSIGNED FREQUENCY RANGE: 3550.0 – 3700.0 MHz
 DETECTOR USED: Average (gated)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 CHANNEL SPACING: 20 MHz

Frequency, MHz	RF Output power				Antenna gain, dBi	EIRP*, dBm/20 MHz	EIRP*, dBm/10 MHz	Limit, dBm/10 MHz	Margin, dB**	Verdict
	Chain RF#1, dBm	Chain RF#2, dBm	Chain RF#3, dBm	Chain RF#4, dBm						
Modulation QPSK										
3560	22.46	22.48	22.48	22.47	10	32.48	29.97	30	-0.03	Pass
3625	22.46	22.48	22.48	22.44	10	32.48	29.97	30	-0.03	Pass
3690	22.42	21.80	22.46	22.41	10	32.46	29.95	30	-0.05	Pass
Modulation 16QAM										
3560	22.49	22.30	22.40	22.46	10	32.49	29.98	30	-0.02	Pass
3625	22.44	22.47	22.40	22.34	10	32.47	29.96	30	-0.04	Pass
3690	22.40	21.98	22.44	22.41	10	32.44	29.93	30	-0.07	Pass
Modulation 64QAM										
3560	22.42	22.38	22.40	22.45	10	32.45	29.94	30	-0.06	Pass
3625	22.32	22.36	22.39	22.34	10	32.39	29.88	30	-0.12	Pass
3690	22.22	22.26	22.47	21.86	10	32.47	29.96	30	-0.04	Pass
Modulation 256QAM										
3560	22.41	22.29	22.43	22.43	10	32.43	29.92	30	-0.08	Pass
3625	22.35	22.27	22.41	22.24	10	32.41	29.90	30	-0.10	Pass
3690	22.43	22.49	22.46	22.32	10	32.49	29.98	30	-0.02	Pass

* - EIRP = Max SA reading (Chains #1&2 and #3&4) - 10*log[OBW(MHz) / 10 MHz] + Antenna gain = Max SA reading – 2.51 dB + Antenna gain: The transmitter output signal are completely uncorrelated, antennas 1/2 is one sector and antennas 3/4 is another sector.

** - Margin = EIRP, dBm – specification limit.



Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Table 7.1.4 Peak spectral power density test results

ASSIGNED FREQUENCY RANGE: 3550.0 – 3700.0 MHz
DETECTOR USED: Average (gated)
VIDEO BANDWIDTH: ≥ Resolution bandwidth
CHANNEL SPACING: 10 MHz

Frequency, MHz	SA Reading, dBm/MHz				Antenna gain, dBi	EIRP*, dBm/10 MHz	Limit, dBm/10 MHz	Margin, dB**	Verdict
	Chain RF#1, dBm	Chain RF#2, dBm	Chain RF#3, dBm	Chain RF#4, dBm					
Modulation QPSK									
3555	9.96	9.92	9.80	9.85	10	19.96	20	-0.04	Pass
3625	9.81	9.69	9.69	9.93	10	19.93	20	-0.07	Pass
3695	9.82	9.89	9.97	9.98	10	19.98	20	-0.02	Pass
Modulation 16QAM									
3555	9.98	9.81	9.92	9.91	10	19.98	20	-0.02	Pass
3625	9.93	9.80	9.97	9.91	10	19.97	20	-0.03	Pass
3695	9.98	9.71	9.98	9.93	10	19.98	20	-0.02	Pass
Modulation 64QAM									
3555	9.90	9.96	9.93	9.93	10	19.96	20	-0.04	Pass
3625	9.55	9.84	9.87	9.97	10	19.97	20	-0.03	Pass
3695	9.52	9.98	9.87	9.93	10	19.98	20	-0.02	Pass
Modulation 256QAM									
3555	9.98	9.77	9.93	9.92	10	19.98	20	-0.02	Pass
3625	9.78	9.86	9.92	9.94	10	19.94	20	-0.06	Pass
3695	9.87	9.90	9.97	9.83	10	19.97	20	-0.03	Pass

* - Total PSD = Max SA reading (Chains #1&2 or chains #3&4) + Antenna Gain: The transmitter output signal are completely uncorrelated, antennas 1/2 is one sector and antennas 3/4 is another sector.

** - Margin = Total PSD, dBm – specification limit.



Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Table 7.1.5 Peak spectral power density test results (continue)

ASSIGNED FREQUENCY RANGE: 3550.0 – 3700.0 MHz
 DETECTOR USED: Average (gated)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 CHANNEL SPACING: 20 MHz
 NUMBER OF CHAINS: 4

Frequency, MHz	SA Reading, dBm/MHz				Antenna gain, dBi	Total PSD*, dBm/ MHz	Limit, dBm/MHz	Margin, dB	Verdict
	Chain RF#1,	Chain RF#2,	Chain RF#3,	Chain RF#4,					
Channel spacing 10 MHz									
Modulation QPSK									
3560	9.96	9.83	9.96	9.83	10	19.96	20	-0.04	Pass
3625	9.96	9.91	9.90	9.91	10	19.96	20	-0.04	Pass
3690	9.93	9.81	9.89	9.87	10	19.93	20	-0.07	Pass
Modulation 16QAM									
3560	9.90	9.91	9.80	9.93	10	19.93	20	-0.07	Pass
3625	9.91	9.92	9.89	9.84	10	19.92	20	-0.08	Pass
3690	9.94	9.97	9.98	9.99	10	19.99	20	-0.01	Pass
Modulation 64QAM									
3560	9.93	9.93	9.89	9.85	10	19.93	20	-0.07	Pass
3625	9.94	9.91	9.80	9.78	10	19.94	20	-0.06	Pass
3690	9.91	9.93	9.94	9.86	10	19.94	20	-0.06	Pass
Modulation 256QAM									
3560	9.97	9.95	9.89	9.94	10	19.97	20	-0.03	Pass
3625	9.93	9.85	9.90	9.71	10	19.93	20	-0.07	Pass
3690	9.96	9.97	9.99	9.90	10	19.99	20	-0.01	Pass

* - Total PSD = Max SA reading (Chains #1&2 or chains #3&4) + Antenna Gain: The transmitter output signal are completely uncorrelated, antennas 1/2 is one sector and antennas 3/4 is another sector.

** - Margin = Total PSD, dBm – specification limit.

Reference numbers of test equipment used

HL 3301	HL 3302	HL 4366	HL 5376	HL 5642			
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Full description is given in Appendix A.



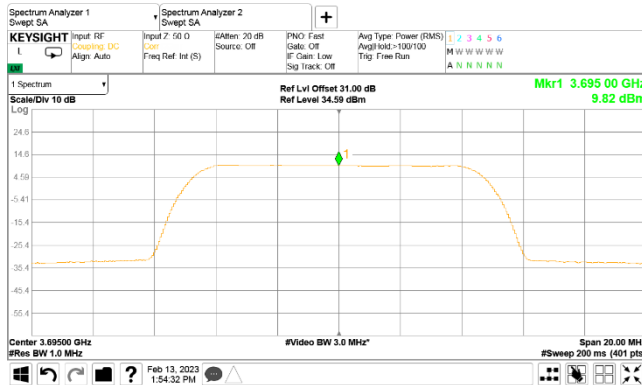
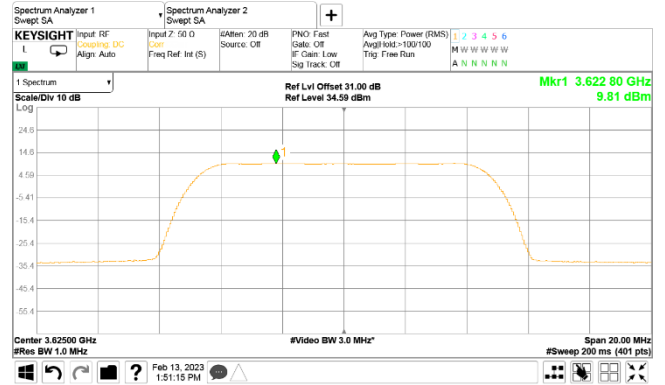
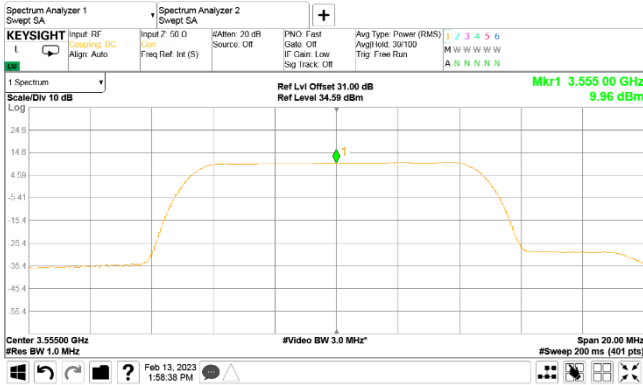
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.1 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
1
QPSK





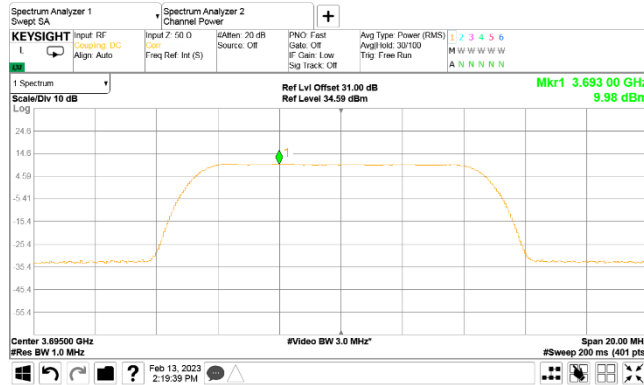
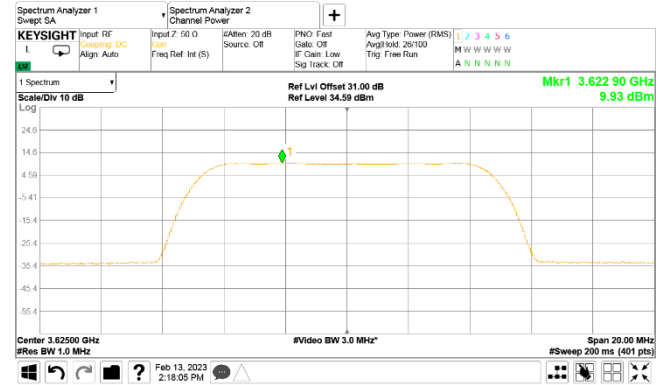
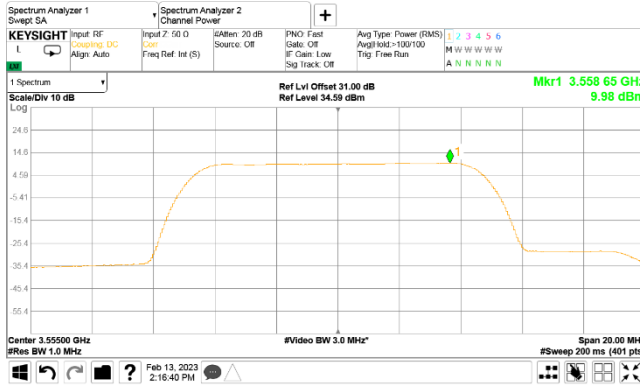
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.2 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
1
16QAM





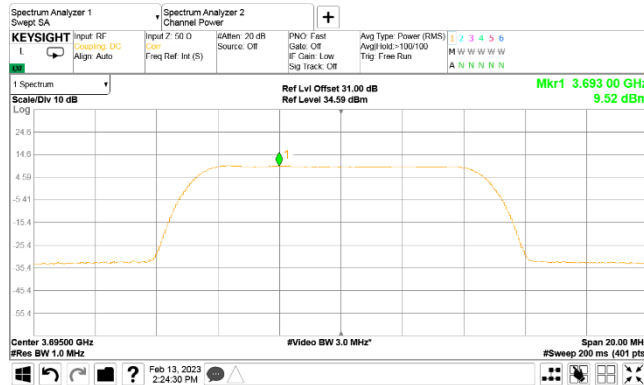
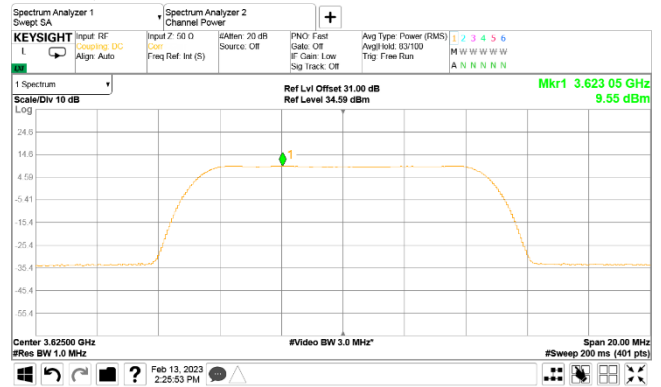
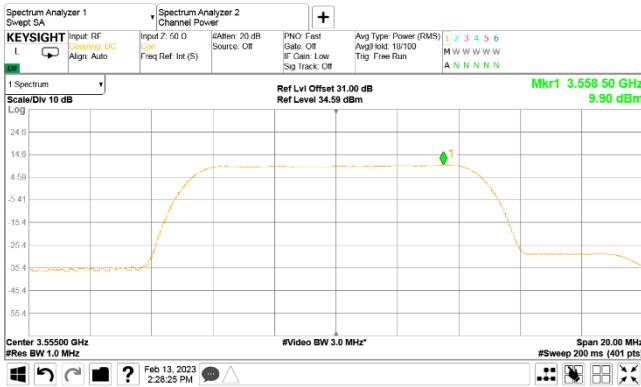
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.3 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
1
64QAM





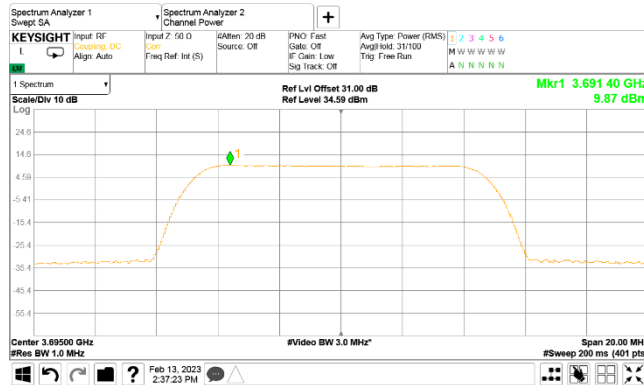
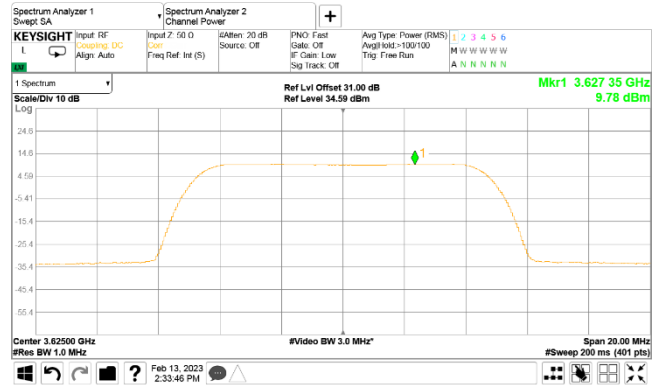
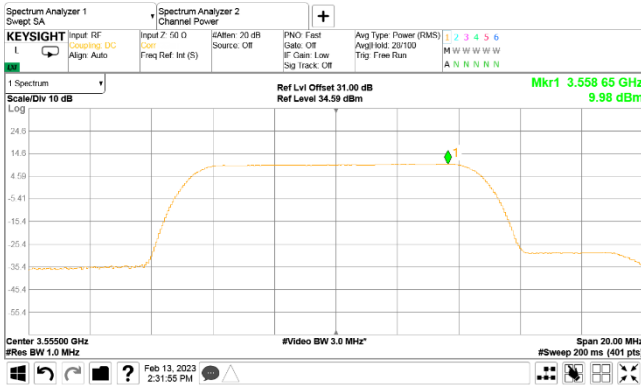
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.4 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
1
256QAM





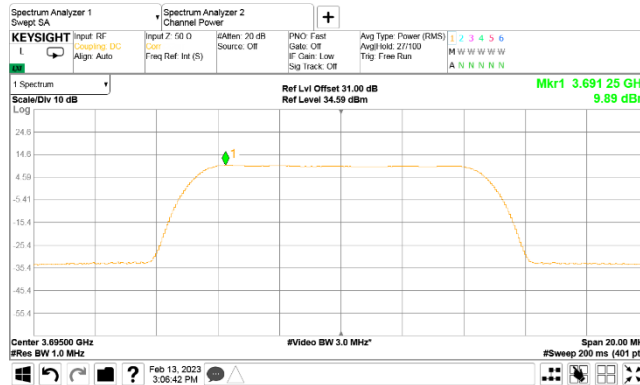
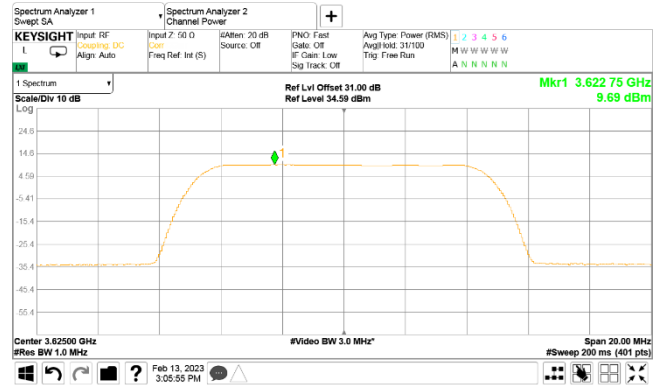
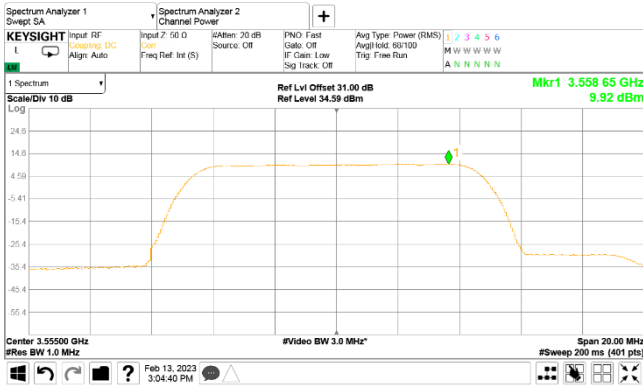
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.5 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
2
QPSK





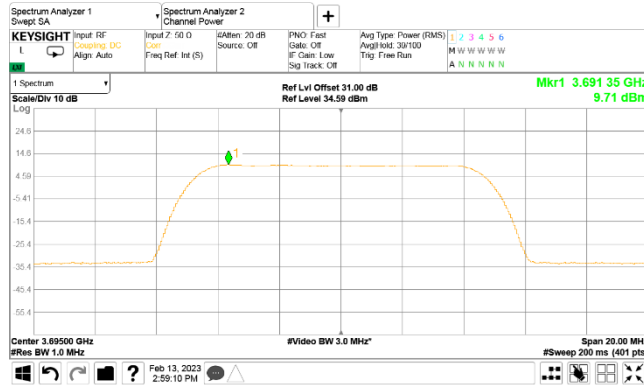
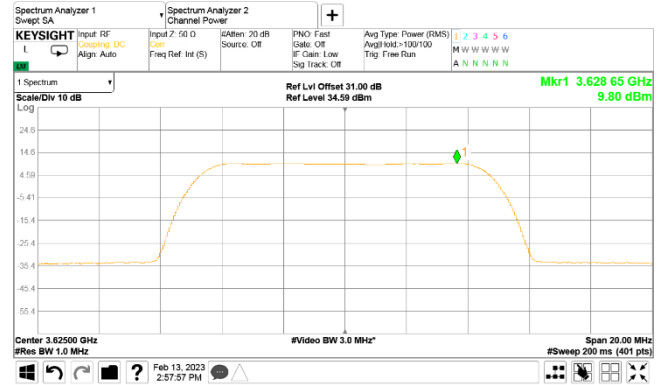
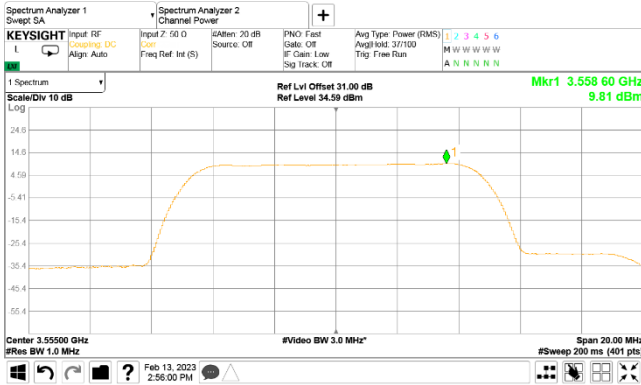
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.6 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
2
16QAM





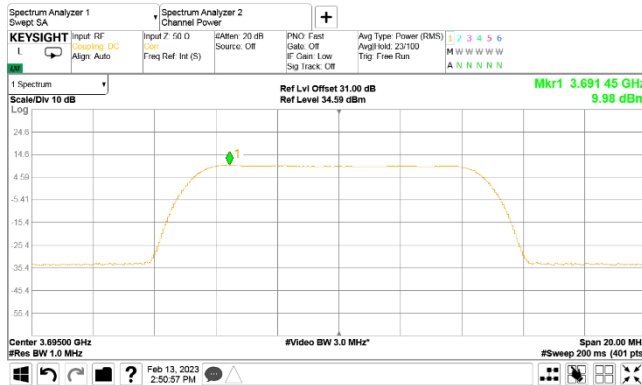
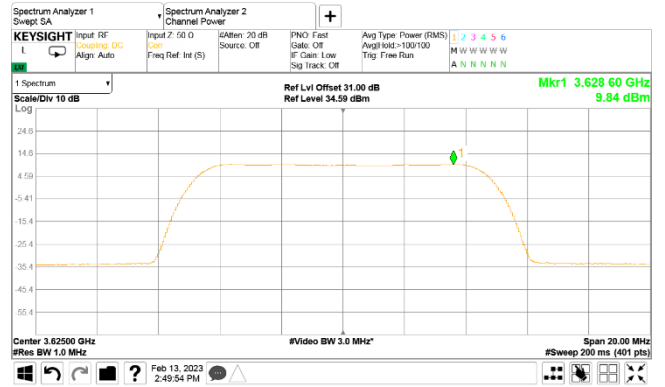
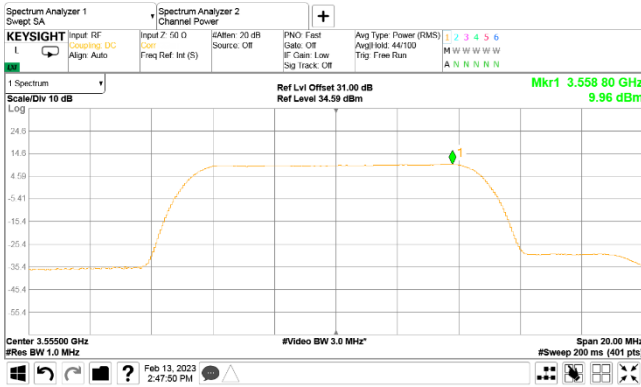
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.7 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
2
64QAM





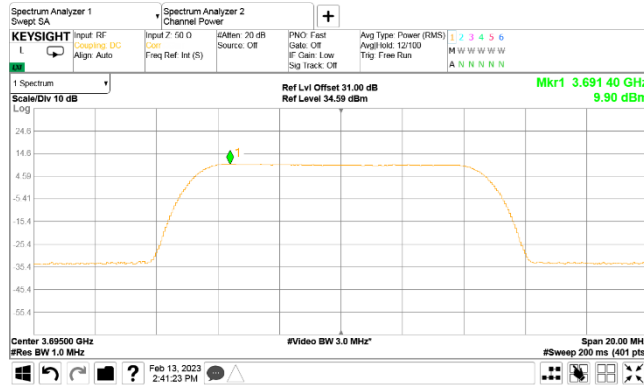
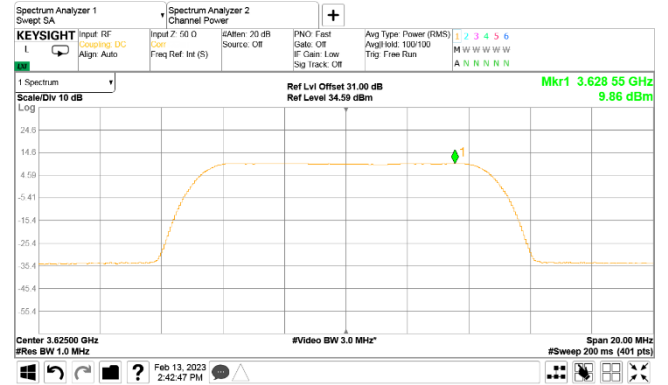
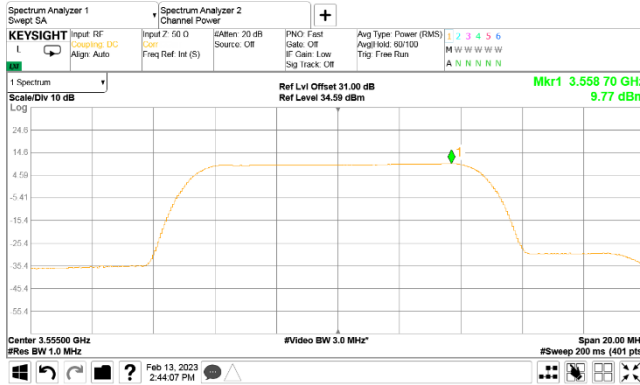
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.8 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
2
256QAM





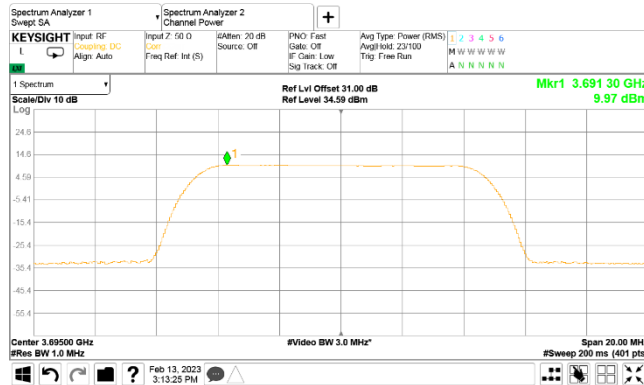
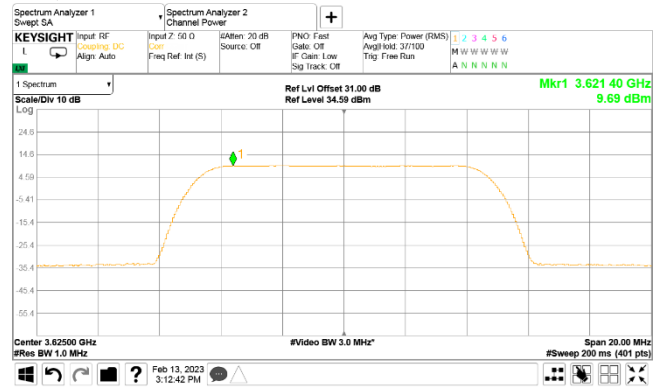
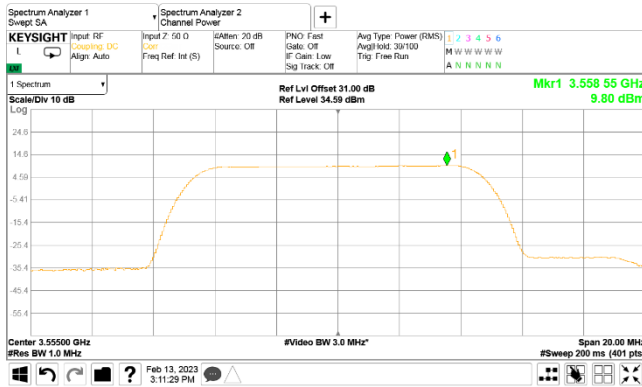
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.9 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
3
QPSK





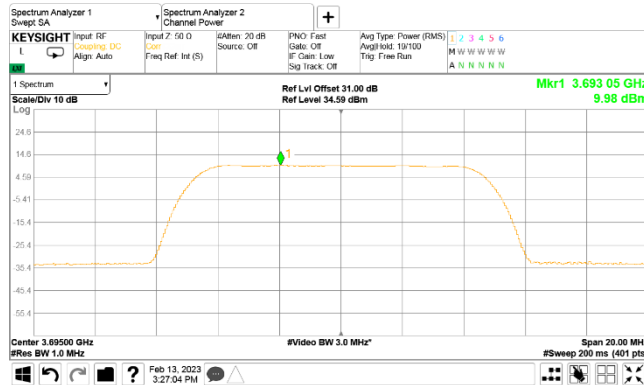
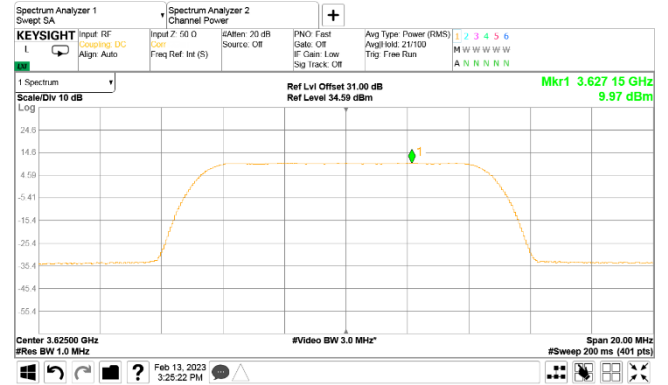
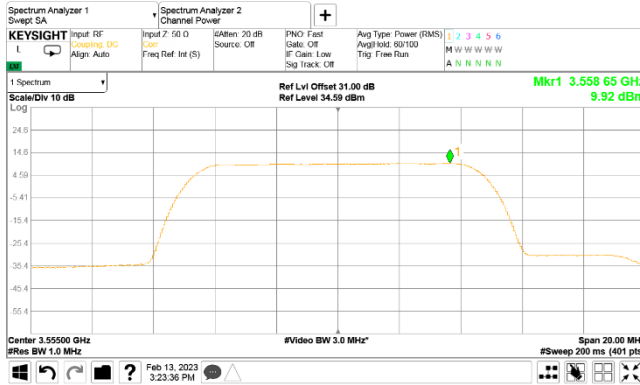
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.10 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
3
16QAM





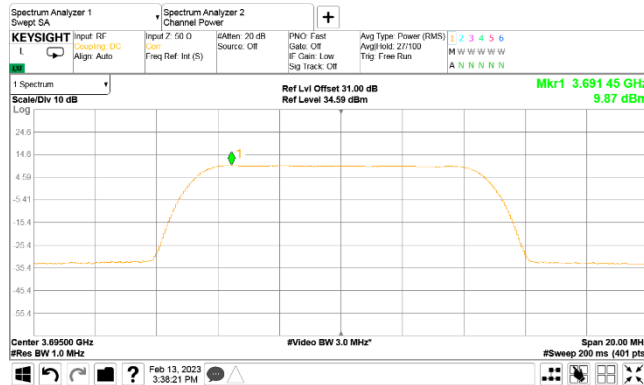
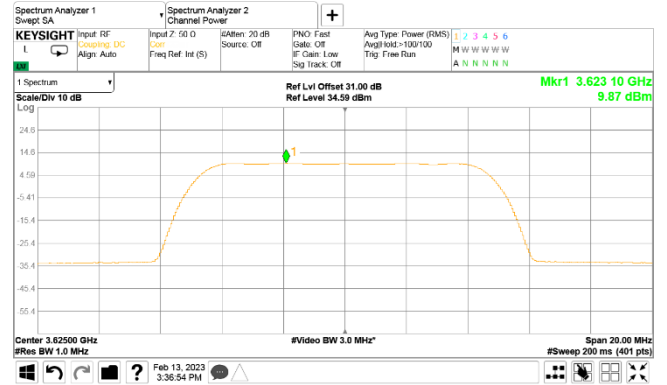
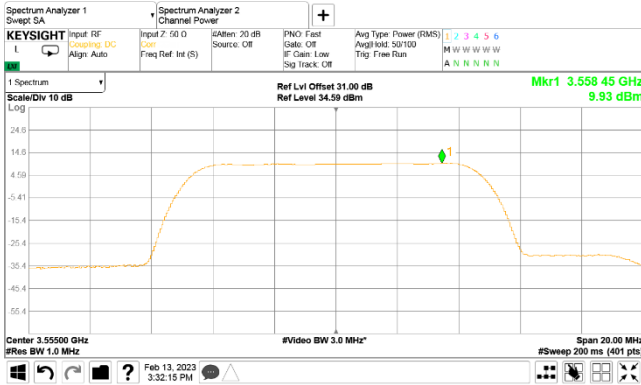
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.11 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
3
64QAM





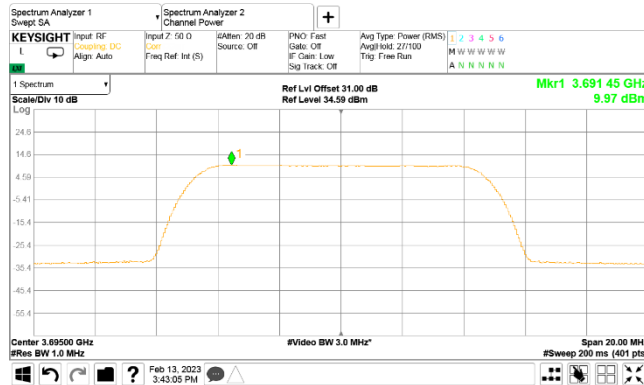
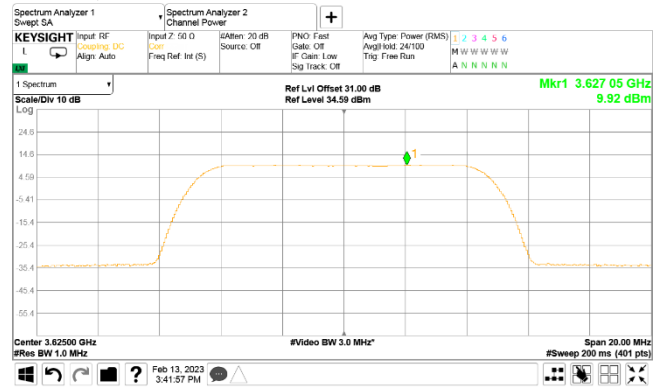
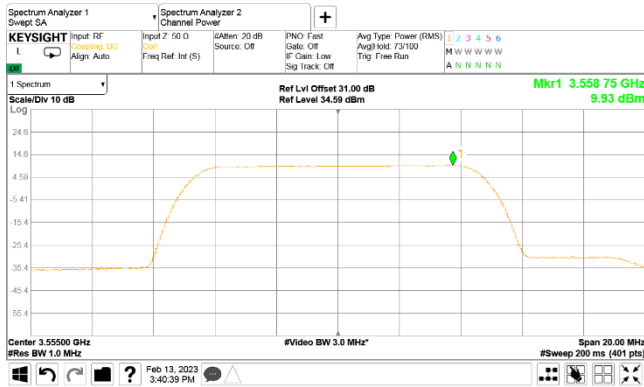
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.12 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
3
256QAM





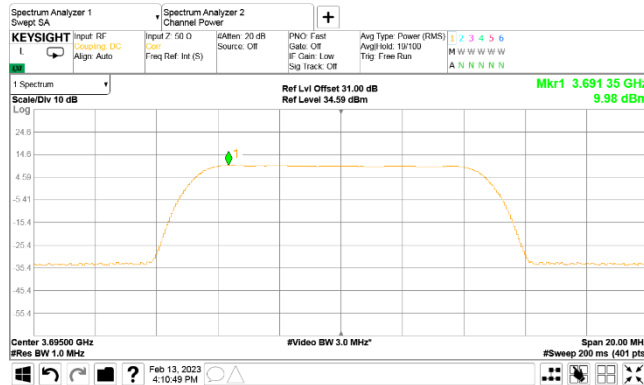
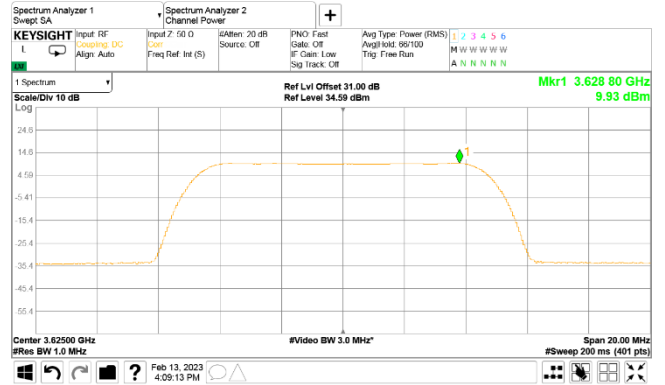
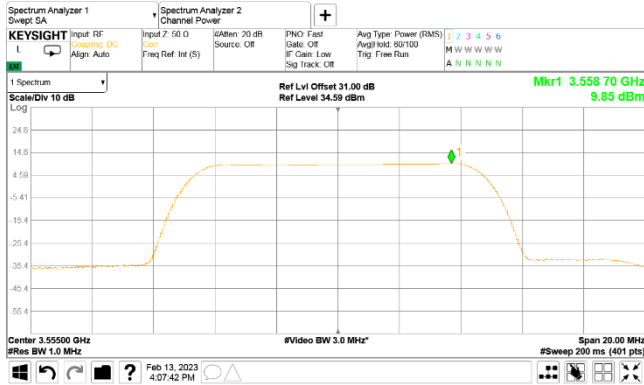
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.13 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
4
QPSK





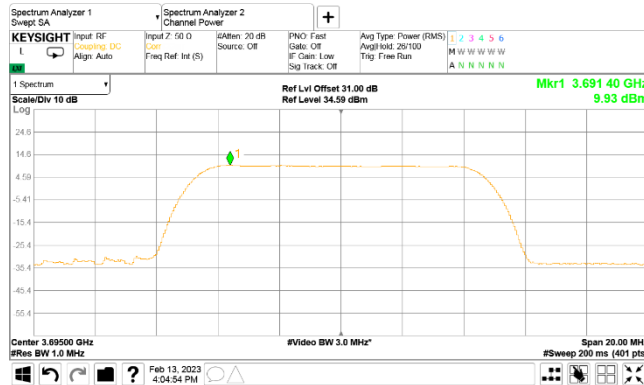
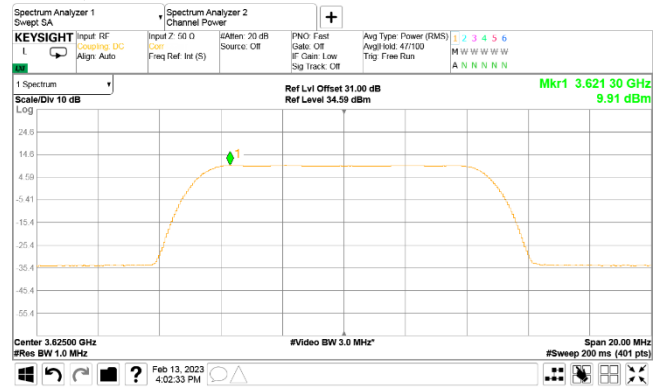
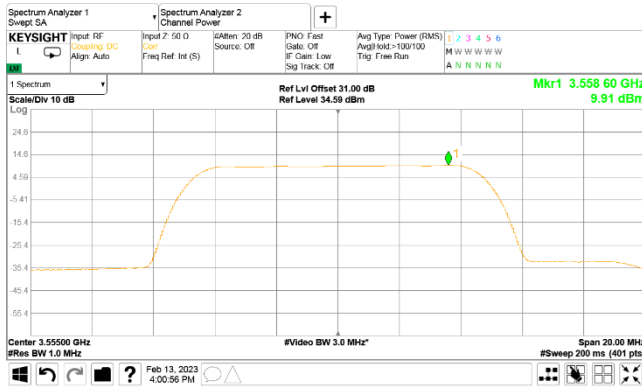
HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.14 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
4
16QAM





HERMON LABORATORIES

Test specification: Section 96.41(b), Maximum EIRP and maximum power spectral density			
Test procedure: Ansi 63.26 section 5.2.3.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 15-Feb-23 - 14-Feb-23			
Temperature: 21 °C	Relative Humidity: 54 %	Air Pressure: 1013 hPa	Power: 110 VAC, 50 Hz
Remarks:			

Plot 7.1.15 Peak spectral power density at low, mid, high frequency

CHANNEL SPACING:
ANTENNA CHAIN:
Modulation:

10 MHz
4
64QAM

