



REGULATORY COMPLAINT TEST REPORT

**FCC Part 15 Subpart E 15.407
ISED RSS-247 Issue 3**

Report No.: DIGI115-U7 Rev A

Company: Digi International

Model Name: ConnectCore 93

REGULATORY COMPLIANCE TEST REPORT

Company Name: Digi International

Model Name: ConnectCore 93

To: FCC Part 15 Subpart E 15.407 & ISED RSS-247 Issue 3

Test Report Serial No.: DIGI115-U7 Rev A

This report supersedes: NONE

Applicant: Digi International
9350 Excelsior Blvd, Suite 700
Hopkins, MN 55343
United States of America

Issue Date: 25th April 2024

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
Fax: +1 (925) 462-0306
www.micomlabs.com



MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-01.pdf>



1.2. RECOGNITION

MiCOM Labs, Inc is widely recognized for its wireless testing and certification capabilities. In addition to being recognized for Testing and Certification under Phase 2 Mutual Recognition Agreements (MRA) with Canada, Europe, United Kingdom and Japan, our international recognition includes Conformity Assessment Body (CAB) designation status under agreements with Asia Pacific (APEC) MRA Phase 1 countries giving acceptance of MiCOM Labs test reports. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	MRA Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Test Firm Designation#: US1084
Canada	Industry Canada (ISED)	FCB	APEC MRA 2	US0159 ISED#: 4143A
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	Japan MRA 2	RCB 210
	Japan Approvals Institute for Telecommunication Equipment (JATE)			
	VCCI			
Europe	European Commission	NB	EU MRA 2	A-0012 NB 2280
United Kingdom	Department for Business, Energy & Industrial Strategy (BEIS)	AB	UK MRA 2	AB 2280
Mexico	Instituto Federal de Telecomunicaciones (IFT)	CAB	Mexico MRA 1	US0159
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)			
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)			
Singapore	Infocomm Development Authority (IDA)			
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)			
Vietnam	Ministry of Communication (MIC)			

TCB – Telecommunications Certification Bodies (TCB)

FCB – Foreign Certification Body

CAB – Conformity Assessment Body

NB – Notified Body

AB – Approved Body

MRA – Mutual Recognition Agreement

MRA Phase I - recognition for product testing

MRA Phase II – recognition for both product testing and certification

1.3. PRODUCT CERTIFICATION

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



United States of America – Telecommunication Certification Body (TCB)
Industry Canada – Certification Body, CAB Identifier – US0159
Europe – Notified Body (NB), NB Identifier - 2280
UK – Approved Body (AB), AB Identifier - 2280
Japan – Recognized Certification Body (RCB), RCB Identifier - 210

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	15th April 2024	Draft report for Client Review
Rev A	25 th April 2024	Initial release of report.

In the above table the latest report revision will replace all earlier versions.

3. TEST RESULT CERTIFICATE

Manufacturer: Digi International 9350 Excelsior Blvd, Suite 700 Hopkins MN 55343 United States of America	Tested By: MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model: ConnectCore 93	Telephone: +1 925 462 0304
Type Of Equipment: Wireless Module	Fax: +1 925 462 0306
S/N's: AS6973000002	
Test Date(s): 25 th March – 3 rd April 2024	Website: www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 ISED RSS-247 Issue 3	EQUIPMENT COMPLIES

MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Notes:

1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.

Approved & Released for MiCOM Labs, Inc. by:



Graeme Grieve
Quality Manager MiCOM Labs, Inc.

Gordon Hurst
President & CEO MiCOM Labs, Inc.

4. REFERENCES AND MEASUREMENT UNCERTAINTY

4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 D01, D02, D03	D01 Oct 2013, D02 Oct 2011, D03 Oct 2020	Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band. 662911 D01 Multiple Transmitter Output v02r01, 662911 D02 MIMO with Cross Polarized Antenna v01, 662911 D03 MIMO Antenna Gain Measurement v01, OET 13TR1003 Directional Gain of 802 11 MIMO with CDD 04 05 2013
II	KDB 905462 D07 v02	Aug 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v02	Aug 2016	U-NII Device Transition Plan
IV	A2LA	22nd June 2022	R105 - Requirement's When Making Reference to A2LA Accreditation Status
V	ANSI C63.10	2020	American National Standard for Testing Unlicensed Wireless Devices
VI	ANSI C63.4	2014	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
VII	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
VIII	FCC 47 CFR Part 15.407	2021	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
IX	ICES-003	Issue 7; Oct 2020	Information Technology Equipment (Including Digital Apparatus)
X	M 3003	EDITION 4 Oct 2019	Expression of Uncertainty and Confidence in Measurements
XI	RSS-247 Issue 3	Aug 2023	Digital Transmission Systems (DTSS), Frequency Hopping System (FHSS) and Licence-Exempt Local Area Network (LE-LEN) Devices
XII	RSS-Gen Issue 5	Amendment 1,2 (Feb 2021)	General Requirements for Compliance of Radio Apparatus. With Amendments 1: March 2019 and 2: Feb 2021.
XIII	FCC 47 CFR Part 2.1033	May 2023	FCC requirements and rules regarding photographs and test setup diagrams.
XIV	KDB 905462 D02 v02	Apr 2016	Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.
XV	KDB 789033 D02 V02r01	Dec 2017	Guidelines For Compliance Testing Of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E

4.2. Test and Uncertainty Procedure

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

Details	Description
Purpose:	Test of the Digi International CC93 to FCC CFR 47 Part 15 Subpart E 15.407 and ISSED RSS-247 Issue 3.
Applicant:	Digi International 9350 Excelsior Blvd, Suite 700 Hopkins MN 55343 United States of America
Manufacturer:	Digi International
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	DIGI115-U7
Date EUT received:	29 th February 2024
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407 ISSED RSS-247 Issue 3
Dates of test (from - to):	25 th March – 3 rd April 2024
No of Units Tested:	1
Product Family Name:	ConnectCore 93
Model(s):	CC93
Location for use:	Indoor/Outdoor
Declared Frequency Range(s):	5150 - 5250; 5250 - 5350; 5470 - 5725; 5725 - 5850 MHz;
Type of Modulation:	OFDM
EUT Modes of Operation:	5150 - 5250 MHz: a; ac-80; ax-80, HT-20; HT-40, ac-20, ac-40, ax-20, ax-40 5250 - 5350 MHz: a; ac-80; ax-80, HT-20; HT-40, ac-20, ac-40, ax-20, ax-40 5470 - 5725 MHz: a; ac-80; ax-80, HT-20; HT-40, ac-20, ac-40, ax-20, ax-40 5725 - 5850 MHz: a; ac-80; ax-80, HT-20; HT-40, ac-20, ac-40, ax-20, ax-40
Declared Nominal Output Power:	+18.0 dBm
Transmit/Receive Operation:	Transceiver
Rated Input Voltage and Current:	5 VDC 3A
Operating Temperature Range:	25 th March – 3 rd April 2024
ITU Emission Designator:	802.11a 16M5D1D 802.11ac-20 17M7D1D 802.11ac-40 36M4D1D 802.11ac-80 76M0D1D 802.11ax-20 20M7D1D 802.11ax-40 40M4D1D 802.11ax-80 80M0D1D 802.11n HT-20 17M8D1D 802.11n HT-40 36M4D1D 802.11n HT-80 76M0D1D
Equipment Dimensions:	1.575 in X 1.770 in X 0.138 in
Weight:	10 grams
Hardware Rev:	50002172-XX
Software Rev:	82004747

5.2. Scope Of Test Program

Digi International ConnectCore 93

The scope of the test program was to test the Digi International ConnectCore 93 for radiated emissions in its 802.11 configurations in the frequency ranges 5150 - 5250 MHz; 5250 - 5350 MHz; 5470 - 5725 MHz; 5725 - 5850 MHz; for compliance against the following specifications:

FCC CFR 47 Part 15 Subpart E 15.407

Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5150 to 5250 MHz, 5725 to 5850 MHz and band 5250 to 5350 MHz, 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.

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Digital Transmission Systems (DTSS), Frequency Hopping System (FHSs) and License-Exempt Local Area Network (LE-LEN) Devices

Antenna Additions as per section 5.4 and as such testing was limited to:

Transmitter Spurious & Band Edge Emissions.

The following two antenna configurations have the highest gain for their type and were tested as representing the worst case for all antennas (highest emissions).

Type	Manufacturer	Model	Family	Gain (dBi)	Frequency Band (MHz)
external	TAOGLAS	FXP831.07.0100C	PCB	5.5	4500 - 6000
external	Linx Technologies	ANT-DB1-RAF-RPS	Dipole	4.6	4500 - 6000

Radio Module is pre-certified any additional tests needed may be found in the following reports:

TERF2211002514E2 P15.407+RSS 247 WLAN5G Rev. 01 Dated Mar. 22, 2023

TERF2211002515E2 P15.407+RSS 247 DFS Slave Rev. 01 Dated Mar. 22, 2023

5.3. Equipment Model(s) and Serial Number(s)

Type (EUT/Support)	Equipment Description	Manufacturer	Model No.	Serial No.
EUT Conducted	Wireless Radio Module	Digi International	CC93	AS6973000002
Support	Power Supply (5V 3A)	MEAN WELL	GE24I05	--

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
external	Ethertronics	1001932	PCB	4.4	-	360	-	4500 - 6000
external	KYOCERA	W3P35x8W04-U100D3B0A	PCB	5.0	-	360	-	4500 - 6000
external	KYOCERA	X9001091-W3DRMB	Dipole	4.0	-	360	-	4500 - 6000
external	Linx Technologies	ANT-DB1-RAF-RPS	Dipole	4.6	-	360	-	4500 - 6000
external	TAOGLAS	FXP830.07.0100C	PCB	4.7	-	360	-	4500 - 6000
external	TAOGLAS	FXP831.07.0100C	PCB	5.5	-	360	-	4500 - 6000
external	TAOGLAS	GW.48.A151	Dipole	4.6	-	360	-	4500 - 6000
external	Yageo	ANTX100P001B24553	PCB	5.1	-	360	-	4500 - 6000

BF Gain - Beamforming Gain
Dir BW - Directional BeamWidth
X-Pol - Cross Polarization

5.5. Cabling and I/O Ports

CC93:

Port Type	Max Cable Length	# of Ports	Screened	Conn Type	Data Type	Bit Rate	Environment
dc Jack	<3m	1	No			N/A	Indoors
Ethernet PoE IN	>30m	1	No	RJ45	Digital	10, 100, 1000 Mbits/s	Indoors
Micro USB	<3m	1	Yes	Data	Digital	--	--
USB A	<3m	1	Yes	Data	Digital	--	--
HDMI	<3m	1	Yes	Data	Digital	--	--

5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/n/ac/ax)	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5150 - 5250 MHz				
a	6	5,180.00	5,200.00	5,240.00
ac-80 / ax-80	29.3	5,210.00	--	--
ac-20 / ax-20 / HT-20	6.5	5,180.00	5,200.00	5,240.00
ac-40 / ax-40 / HT-40	13.5	5,190.00	--	5,230.00
5250 - 5350 MHz				
a	6	5,260.00	5,300.00	5,320.00
ac-80 / ax-80	29.3	--	--	5,290.00
ac-20 / ax-20 / HT-20	6.5	5,260.00	5,300.00	5,320.00
ac-40 / ax-40 / HT-40	13.5	5,270.00	--	5,310.00
5470 - 5725 MHz				
a	6	5,500.00	5,580.00	5,720.00
ac-80 / ax-80	29.3	5,530.00	5,610.00	5,690.00
ac-20 / ax-20 / HT-20	6.5	5,500.00	5,580.00	5,720.00
ac-40 / ax-40 / HT-40	13.5	5,510.00	5,550.00	5,710.00
5725 - 5850 MHz				
a	6	5,745.00	5,785.00	5,825.00
ac-80 / ax-80	29.3	5,775.00	--	5,775.00
ac-20 / ax-20 / HT-20	6.5	5,745.00	5,785.00	5,825.00
ac-40 / ax-40 / HT-40	13.5	5,755.00	--	5,795.00

5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:

1. NONE

5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:

1. NONE

6. TEST SUMMARY

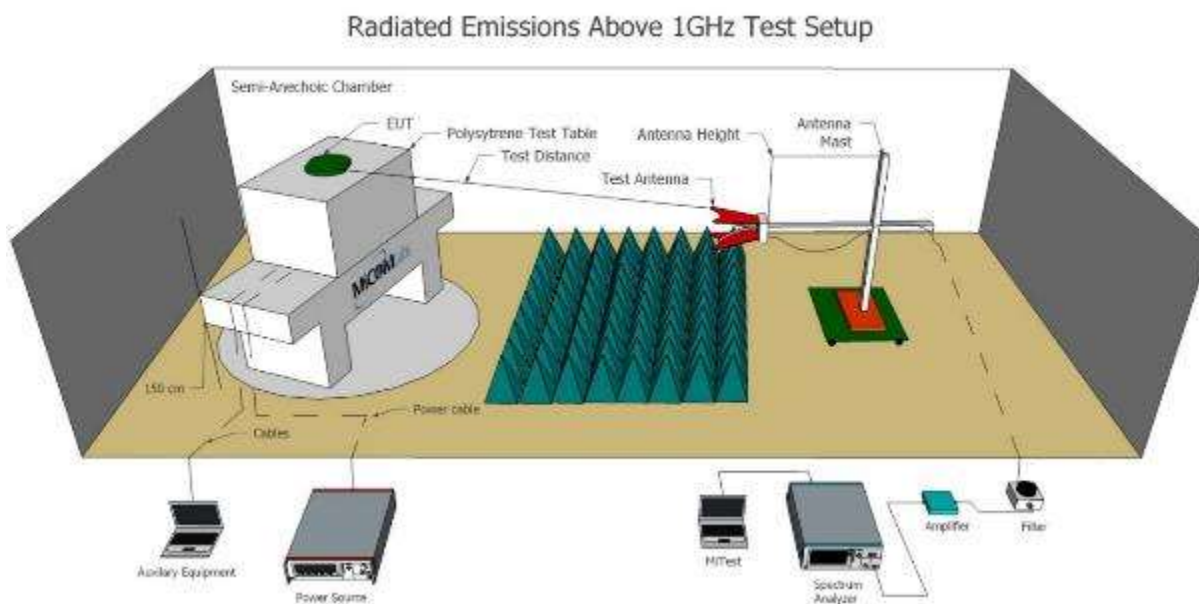
List of Measurements

Test Header	Result	Data Link
Emissions	Complies	-
(1) Radiated Emissions	Complies	-
(i) TX Spurious & Restricted Band Emissions	Complies	View Data
(ii) Restricted Edge & Band-Edge Emissions	Complies	View Data

7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Radiated Emissions

The following tests were performed using the radiated test set-up shown in the diagram below. Radiated emissions above and below 1GHz.



Test Equipment Utilized

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
266	10 Hz to 50GHz MXA Signal Analyzer	Keysight	N9020B	MY60110791	25 Jul 2024
285	DC Power Supply	Keysight	E36155A	MY63000156	4 Dec 2024
298	3M Radiated Emissions Chamber Maintenance Check	MiCOM	3M Chamber	298	11 May 2024
330	Variac 0-280 Vac	Staco Energy Co	3PN1020B	0546	Cal when used
336	Active loop Ant 10kHz to 30 MHz	EMCO	EMCO 6502	00060498	7 Dec 2024
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	5 Dec 2024
342	2.4 GHz Notch Filter	EWT	EWT-14-0203	H1	13 Sep 2024
343	5.15 GHz Notch Filter	EWT	EWT-14-0200	H1	13 Sep 2024
344	5.35 GHz Notch Filter	EWT	EWT-14-0201	H1	13 Sep 2024
345	5.46 GHz Notch Filter	EWT	EWT-14-0202	H1	13 Sep 2024
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	29 Sep 2024
377	Band Rejection Filter 5150 to 5880MHz	Microtronics	BRM50716	034	13 Sep 2024
396	2.4 GHz Notch Filter	Microtronics	BRM50701	001	13 Sep 2024
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	27 Apr 2024
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	7 Dec 2024
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	2 Nov 2024
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required
411	Mast/Turntable Controller	Sunol Sciences	SC98V	060199-1D	Not Required
412	USB to GPIB Interface	National Instruments	GPIB-USB HS	11B8DC2	Not Required
413	Mast Controller	Sunol Science	TWR95-4	030801-3	Not Required
414	DC Power Supply 0-60V	HP	6274	1029A01285	Cal when used
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	18 Sep 2024
463	Schwarzbeck cable from	Schwarzbeck	AK 9513	463	18 Sep 2024

	Amplifier to Bulkhead.				
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	16 Sep 2024
465	Low Pass Filter DC-1000 MHz	Mini-Circuits	NLP-1200+	VUU01901402	14 Sep 2024
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	18 Sep 2024
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	18 Sep 2024
510	Barometer/Thermometer	Digi Sense	68000-49	170871375	4 Jan 2026
554	Precision SMA Cable	Fairview Microwave	SCE18060101-400CM	554	18 Sep 2024
555	Rhode & Schwarz Receiver (Firmware Version : 3.10 SP1)	Rhode & Schwarz	ESW 44	101893	28 Jun 2024
87	Uninterruptible Power Supply	Falcon Electric	ED2000-1/2LC	F3471 02/01	Cal when used
CC05	Confidence Check	MiCOM	CC05	None	11 May 2024

8. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by [MiTest](#). [MiTest](#) is an automated test system developed by MiCOM Labs. [MiTest](#) is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs "[MiTest](#)" Automated Test System" (Patent Pending)

9. TEST RESULTS

9.1. Radiated Emissions

Radiated Test Conditions for Radiated Spurious and Band-Edge Emissions (Restricted Bands)			
Standard:	FCC CFR 47:15.407 ISSED RSS-247	Ambient Temp. (°C):	20.0 - 24.5
Test Heading:	Radiated Spurious and Band-Edge Emissions	Rel. Humidity (%):	32 - 45
Standard Section(s):	15.205, 15.209 RSS-247:5.5	Pressure (mBars):	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Radiated Spurious and Band-Edge Emissions (Restricted Bands)

Radiated emissions for restricted bands above 1 GHz are measured in the anechoic chamber at a 3-meter distance on every azimuth in both horizontal and vertical polarities. The emissions are recorded and maximized as a function of azimuth by rotation through 360° with a spectrum analyzer in peak hold mode. Depending on the frequency band spanned a notch filter and waveguide filter was used to remove the fundamental frequency. The highest emissions relative to the limit are listed for each frequency spanned. Measurements on any restricted band frequency or frequencies above 1 GHz are based on the use of measurement instrumentation employing peak and average detectors. All measurements were performed using a resolution bandwidth of 1 MHz.

Test configuration and setup for Radiated Spurious and Band-Edge Measurement were per the Radiated Test Set-up specified in this document.

Orientation testing of the EUT was performed and the EUT standing upright was determined to be the worst case for Spurious and Band Edge emissions with the integral antennas attached.

Limits for Restricted Bands

Peak emission: 74 dBuV/m

Average emission: 54 dBuV/m

Average Measurements were performed following ANSI C63.10 section 11.12.2.5.2 Trace averaging across on and off times of the EUT transmissions followed by a duty cycle correction.

RMS detector used, DCCF of $10\log(1/D)$ where D is the Duty Cycle.

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Loss, and subtracting Amplifier Gain from the measured reading. All factors are included in the reported data.

$$FS = R + AF + CORR - FO$$

where:

FS = Field Strength

R = Measured Spectrum analyzer Input Amplitude

AF = Antenna Factor

CORR = Correction Factor = CL – AG + NFL

CL = Cable Loss

AG = Amplifier Gain

FO = Distance Falloff Factor

NFL = Notch Filter Loss or Waveguide Loss

Example:

Given receiver input reading of 51.5 dBmV; Antenna Factor of 8.5 dB; Cable Loss of 1.3 dB; Falloff Factor of 0 dB, an Amplifier Gain of 26 dB and Notch Filter Loss of 1 dB. The Field Strength (FS) of the measured emission is:

$$FS = 51.5 + 8.5 + 1.3 - 26.0 + 1 = 36.3 \text{ dBmV/m}$$

Conversion between dBmV/m (or dBmV) and mV/m (or mV) are as follows:

$$\text{Level (dBmV/m)} = 20 * \log(\text{level (mV/m)})$$

$$40 \text{ dBmV/m} = 100 \text{ mV/m}$$

$$48 \text{ dBmV/m} = 250 \text{ mV/m}$$

Restricted Bands of Operation (15.205)

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed

below:

Frequency Band			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

(b) Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

(c) Except as provided in paragraphs (d) and (e) of this section, regardless of the field strength limits specified elsewhere in this subpart, the provisions of this section apply to emissions from any intentional radiator.

(d) The following devices are exempt from the requirements of this section:

- (1) Swept frequency field disturbance sensors operating between 1.705 and 37 MHz provided their emissions only sweep through the bands listed in paragraph (a) of this section, the sweep is never stopped with the fundamental emission within the bands listed in paragraph (a) of this section, and the fundamental emission is outside of the bands listed in paragraph (a) of this section more than 99% of the time the device is actively transmitting, without compensation for duty cycle.
- (2) Transmitters used to detect buried electronic markers at 101.4 kHz which are employed by telephone companies.
- (3) Cable locating equipment operated pursuant to §15.213.
- (4) Any equipment operated under the provisions of §15.253, 15.255, and 15.256 in the frequency band 75-85 GHz, or §15.257 of this part.
- (5) Biomedical telemetry devices operating under the provisions of §15.242 of this part are not subject to the restricted band 608-614 MHz but are subject to compliance within the other restricted bands.
- (6) Transmitters operating under the provisions of subparts D or F of this part.
- (7) Devices operated pursuant to §15.225 are exempt from complying with this section for the 13.36-13.41 MHz band only.
- (8) Devices operated in the 24.075-24.175 GHz band under §15.245 are exempt from complying with the requirements of this section for the 48.15-48.35 GHz and 72.225-72.525 GHz bands only, and shall not exceed the limits specified in §15.245(b).
- (9) Devices operated in the 24.0-24.25 GHz band under §15.249 are exempt from complying with the requirements of this section for the 48.0-48.5 GHz and 72.0-72.75 GHz bands only, and shall not exceed the limits specified in §15.249(a).

(e) Harmonic emissions appearing in the restricted bands above 17.7 GHz from field disturbance sensors operating under the provisions of §15.245 shall not exceed the limits specified in §15.245(b).

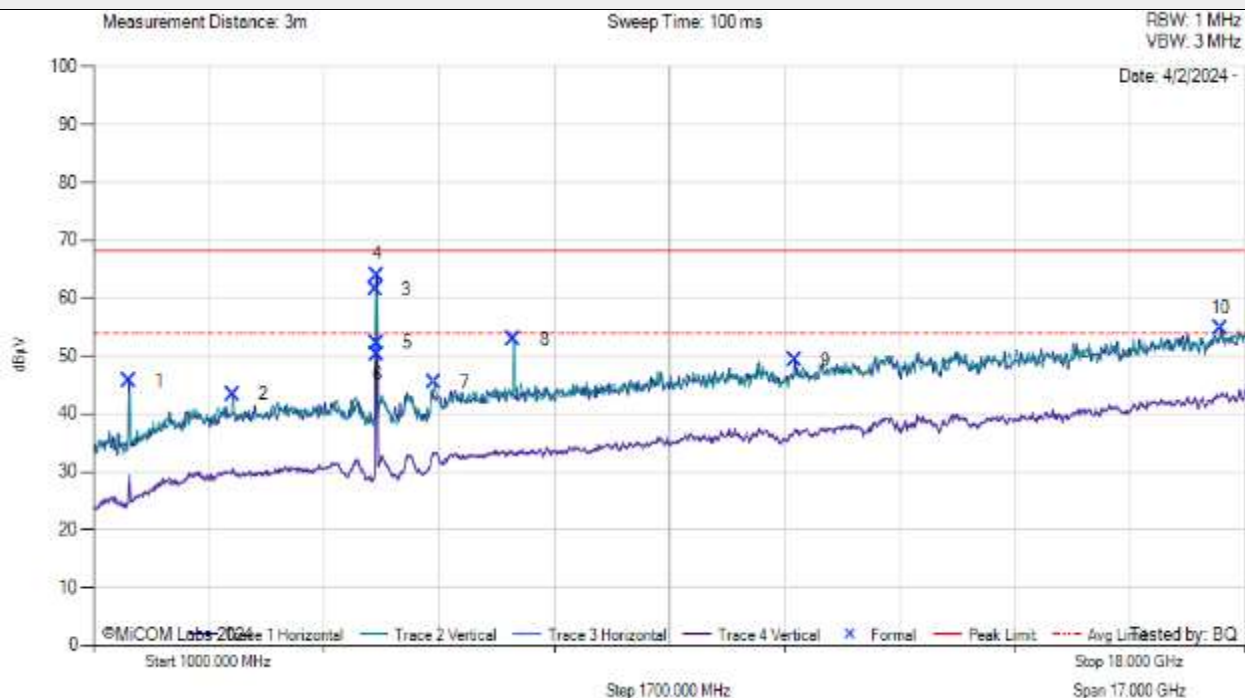
9.1.1. TX Spurious & Restricted Band Emissions

9.1.1.1. Taoglas FXP831.07.0100C

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5180.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

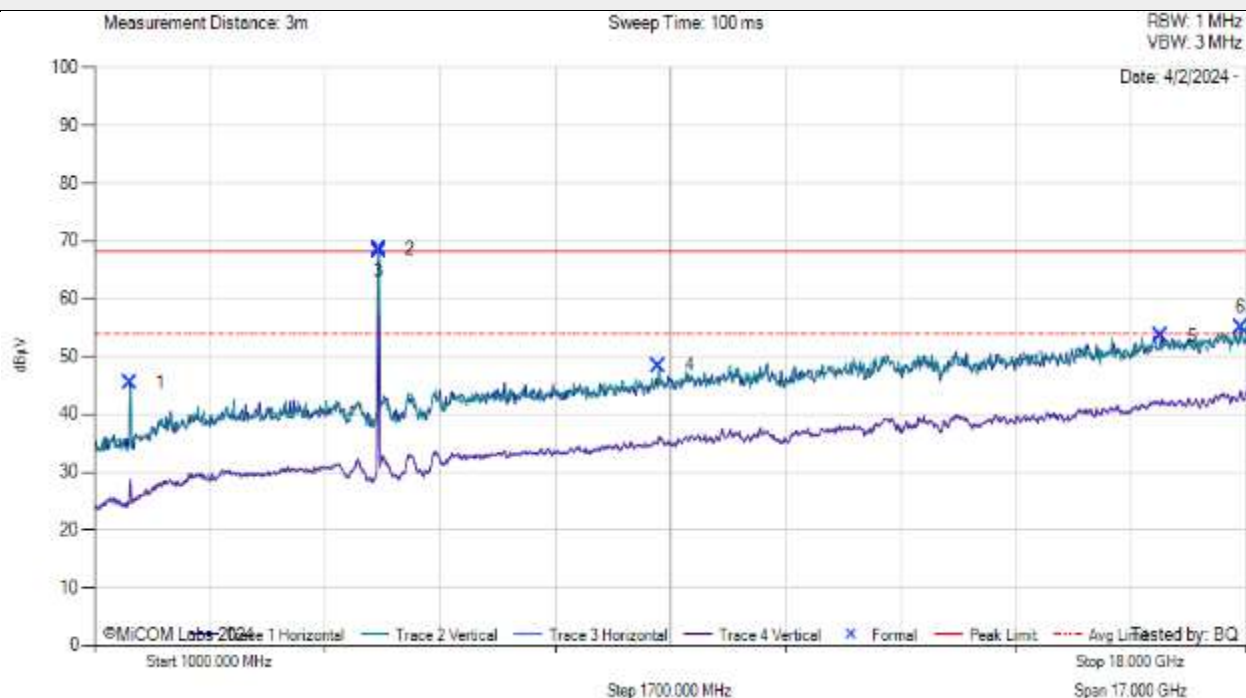


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	60.73	1.58	28.19	45.60	MaxP	Horizontal	100	240	68.2	-22.6	Pass
2	3057.00	52.49	2.19	33.07	43.40	Fundamental	Vertical	149	0	68.2	-24.8	Pass
3	5165.00	70.14	3.02	34.16	61.52	Fundamental	Vertical	149	0	68.2	-6.7	Pass
4	5182.00	72.87	2.97	34.19	63.96	Fundamental	Horizontal	100	240	68.2	-4.3	Pass
5	5182.00	61.18	2.97	34.19	52.27	Fundamental	Horizontal	100	240	54.0	-1.7	Pass
6	5182.00	59.29	2.97	34.19	50.38	Fundamental	Vertical	149	0	54.0	-3.6	Pass
7	6032.00	--	--	--	45.48	MaxP	--	--	--	68.2	-22.8	--
8	7205.00	57.06	3.78	35.92	52.83	MaxP	Vertical	100	179	68.2	-15.4	Pass
9	11353.00	50.10	4.91	38.06	49.26	MaxP	Horizontal	149	0	68.2	-19.0	Pass
10	17643.00	48.74	6.27	41.66	54.71	MaxP	Horizontal	100	300	68.2	-13.5	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5200.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



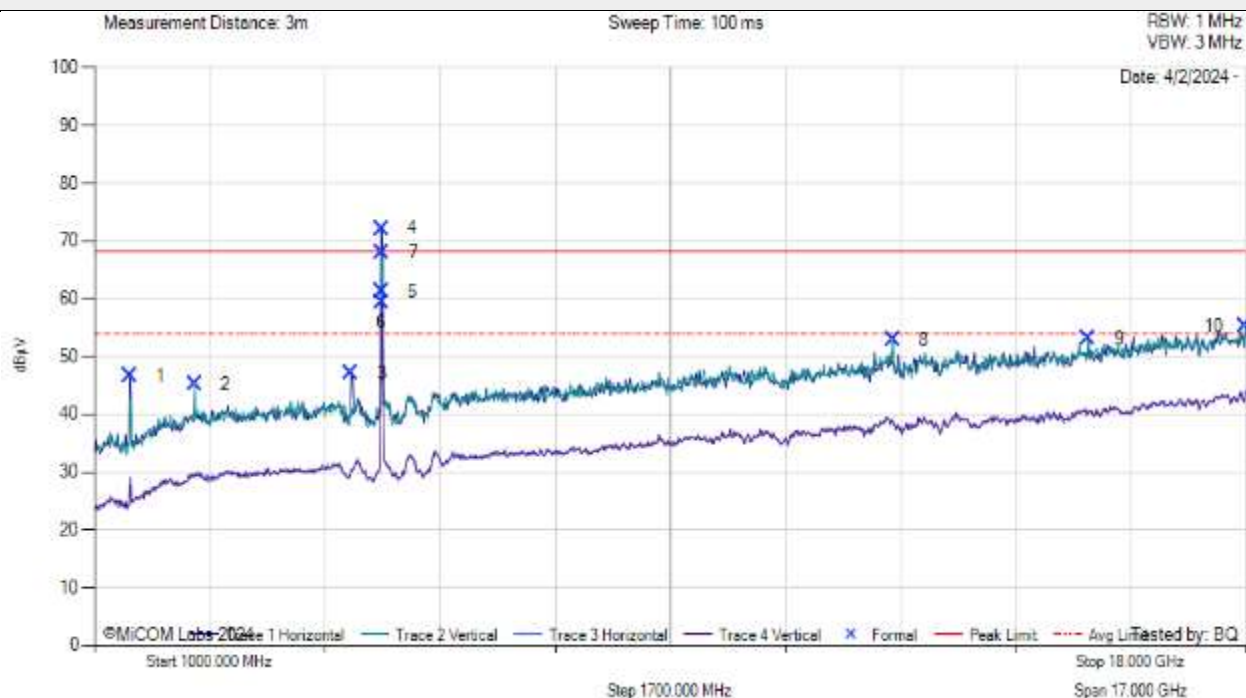
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	60.60	1.58	28.19	45.46	MaxP	Horizontal	149	240	68.2	-22.8	Pass
2	5199.00	77.94	2.98	34.22	68.74	Fundamental	Vertical	149	0	68.2	0.5	Pass
3	5199.00	77.55	2.98	34.22	68.35	Fundamental	Horizontal	100	240	68.2	0.1	Pass
4	9330.00	51.09	4.19	36.38	48.40	MaxP	Vertical	100	59	68.2	-19.8	Pass
5	16742.00	47.90	6.41	41.67	53.64	MaxP	Horizontal	149	180	68.2	-14.6	Pass
6	17915.00	47.11	6.67	41.55	55.07	MaxP	Horizontal	100	240	68.2	-13.2	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5240.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

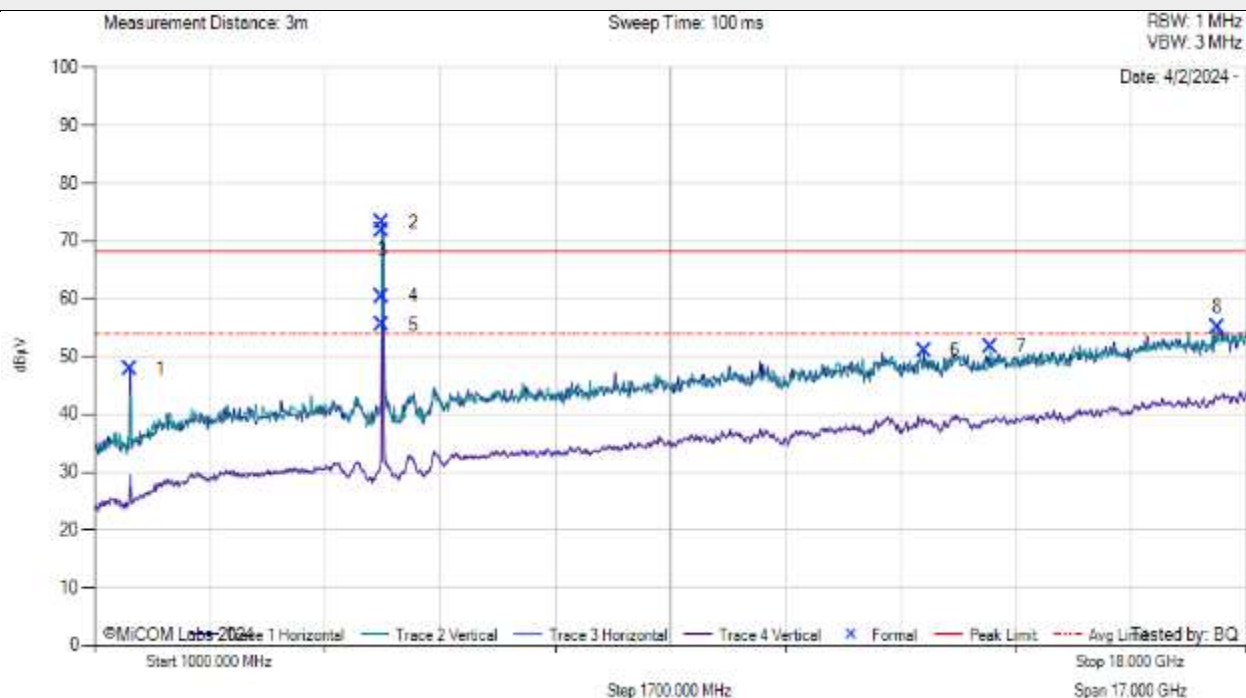


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	61.77	1.58	28.19	46.63	MaxP	Horizontal	100	240	68.2	-21.6	Pass
2	2479.00	55.09	1.98	32.40	45.21	MaxP	Vertical	100	0	68.2	-23.0	Pass
3	4791.00	56.48	2.93	34.00	47.16	MaxP	Horizontal	100	60	68.2	-21.1	Pass
4	5233.00	80.94	3.05	34.26	72.17	Fundamental	Horizontal	100	240	68.2	3.9	Pass
5	5233.00	70.07	3.05	34.26	61.30	Fundamental	Horizontal	100	240	54.0	7.3	Pass
6	5233.00	68.22	3.05	34.26	59.45	Fundamental	Vertical	149	0	54.0	5.5	Pass
7	5250.00	76.48	3.04	34.28	68.05	Fundamental	Vertical	149	0	68.2	-0.2	Pass
8	12781.00	--	--	--	52.84	MaxP	--	--	--	68.2	-15.4	--
9	15671.00	49.68	5.77	40.38	53.17	MaxP	Vertical	100	0	68.2	-15.1	Pass
10	17983.00	48.67	6.34	41.48	55.28	MaxP	Vertical	101	0	68.2	-13.0	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5260.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

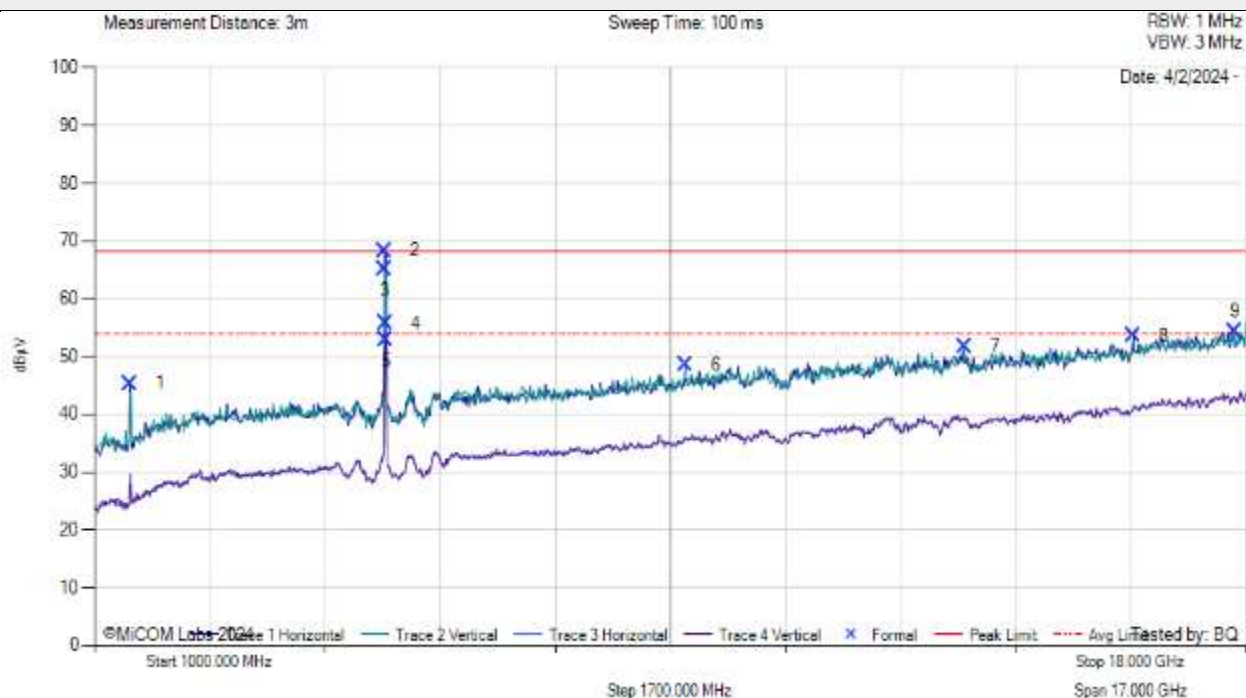


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.95	1.58	28.19	47.82	MaxP	Horizontal	100	240	68.2	-20.4	Pass
2	5250.00	81.63	3.04	34.28	73.20	MaxP	Fundamental	100	240	68.2	5.0	Pass
3	5250.00	80.29	3.04	34.28	71.86	MaxP	Fundamental	149	0	68.2	3.6	Pass
4	5250.00	68.84	3.04	34.28	60.41	AVG	Fundamental	100	240	54.0	6.4	Pass
5	5250.00	63.90	3.04	34.28	55.46	AVG	Fundamental	100	0	54.0	1.5	Pass
6	13240.00	52.34	5.22	39.02	51.02	MaxP	Horizontal	149	0	68.2	-17.2	Pass
7	14226.00	53.96	5.21	39.36	51.77	MaxP	Vertical	100	60	68.2	-16.5	Pass
8	17575.00	49.46	6.31	41.59	54.97	MaxP	Vertical	149	0	68.2	-13.3	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5300.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

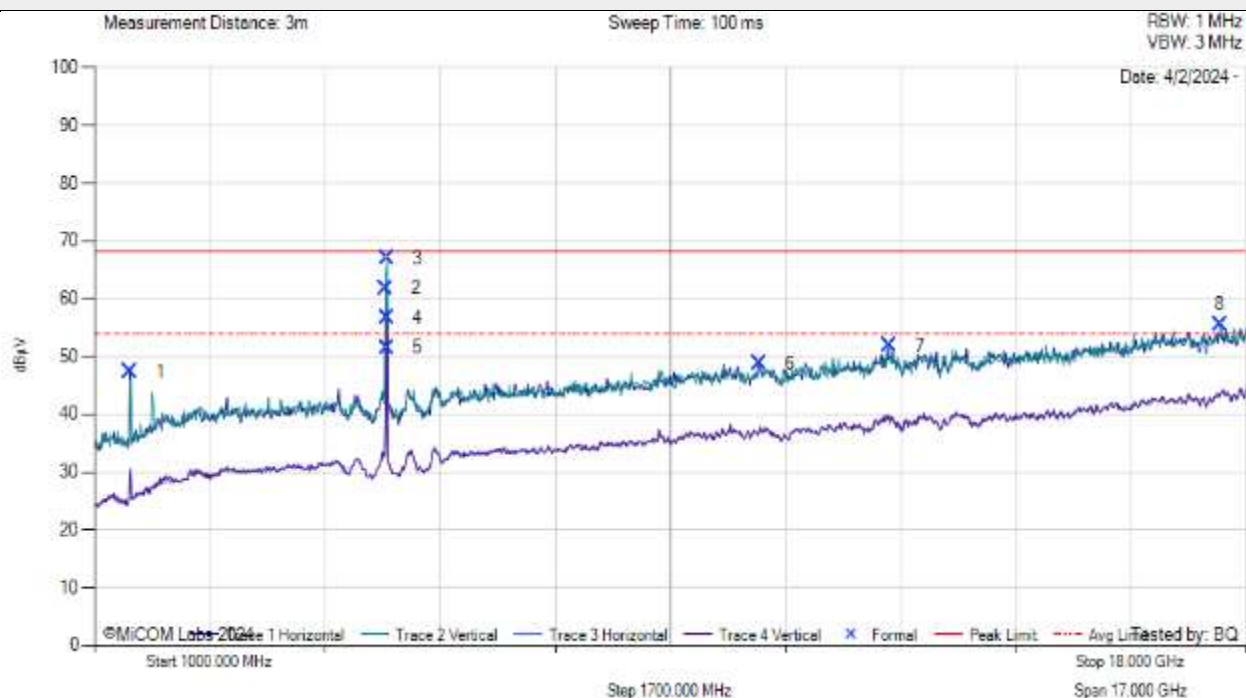


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	60.41	1.58	28.19	45.28	MaxP	Horizontal	99	240	68.2	-23.0	Pass
2	5284.00	77.27	2.99	34.35	68.32	Fundamental	Horizontal	99	240	68.2	0.1	Pass
3	5284.00	74.03	2.99	34.35	65.08	Fundamental	Vertical	149	0	68.2	-3.1	Pass
4	5301.00	64.63	3.26	34.38	55.68	Fundamental	Horizontal	99	240	54.0	1.7	Pass
5	5301.00	61.77	3.26	34.38	52.82	Fundamental	Vertical	149	0	54.0	-1.2	Pass
6	9721.00	50.28	4.16	36.86	48.60	MaxP	Vertical	99	179	68.2	-19.6	Pass
7	13835.00	53.65	5.14	39.10	51.81	MaxP	Vertical	149	239	68.2	-16.4	Pass
8	16334.00	48.67	6.02	40.76	53.61	MaxP	Horizontal	99	120	68.2	-14.6	Pass
9	17830.00	47.14	6.29	41.64	54.37	MaxP	Vertical	149	239	68.2	-13.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5320.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



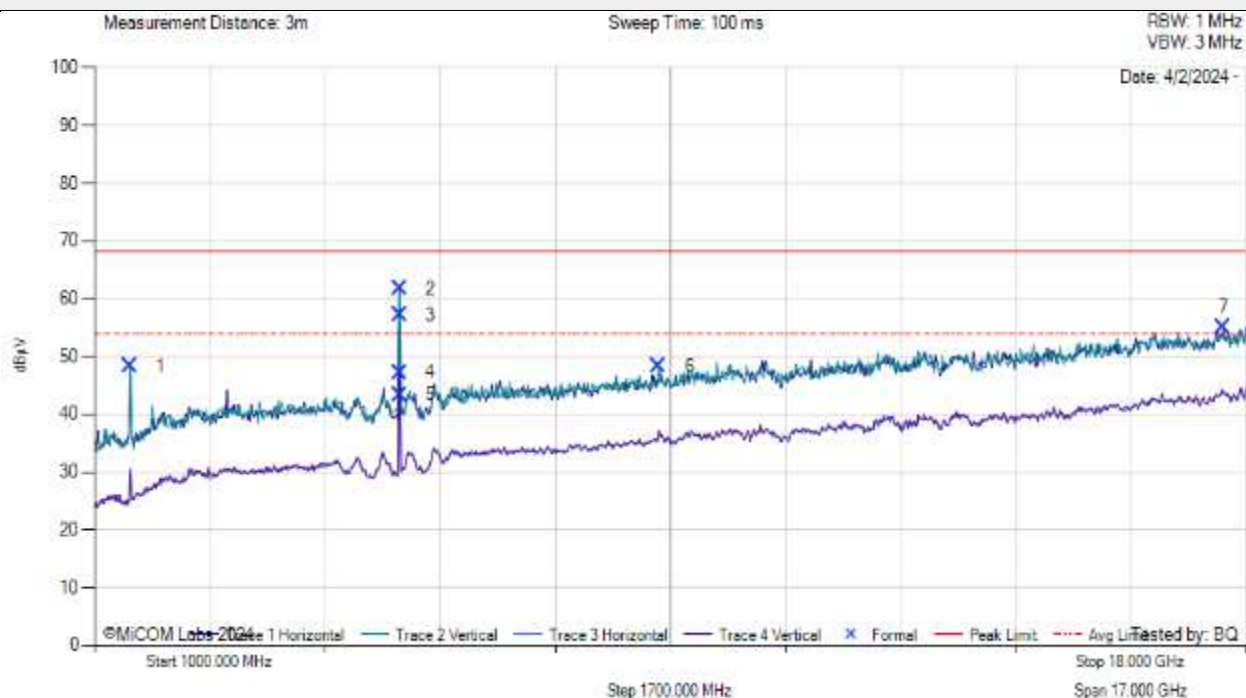
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.50	1.58	28.19	47.37	MaxP	Horizontal	100	240	68.2	-20.9	Pass
2	5301.00	70.76	3.26	34.38	61.81	Fundamental	Horizontal	149	120	68.2	-6.4	Pass
3	5318.00	75.93	3.04	34.40	67.04	Fundamental	Vertical	149	119	68.2	-1.2	Pass
4	5318.00	65.53	3.04	34.40	56.64	Fundamental	Vertical	149	179	54.0	2.6	Pass
5	5318.00	60.41	3.04	34.40	51.52	Fundamental	Horizontal	149	120	54.0	-2.5	Pass
6	10809.00	48.69	4.70	37.76	48.73	MaxP	Horizontal	149	60	68.2	-19.5	Pass
7	12730.00	54.69	5.22	39.11	51.87	MaxP	Vertical	149	179	68.2	-16.4	Pass
8	17609.00	49.80	6.37	41.62	55.44	MaxP	Vertical	100	0	68.2	-15.3	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5500.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



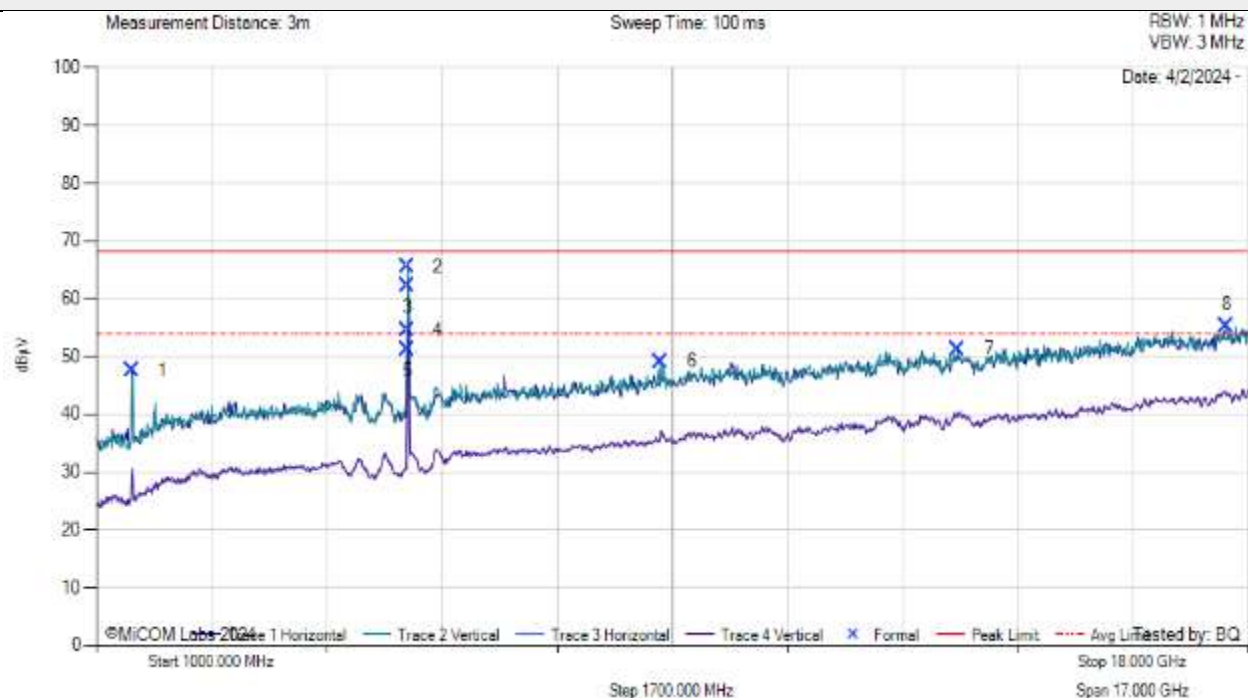
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	--	--	--	48.30	MaxP	--	--	--	68.2	-19.9	--
2	5505.00	70.23	3.11	34.53	61.76	Fundamental	Vertical	149	119	68.2	-6.5	Pass
3	5505.00	65.62	3.11	34.53	57.15	Fundamental	Horizontal	99	120	68.2	-11.1	Pass
4	5505.00	55.73	3.11	34.53	47.27	Fundamental	Vertical	149	119	54.0	-6.7	Pass
5	5505.00	51.84	3.11	34.53	43.38	Fundamental	Horizontal	99	120	54.0	-10.6	Pass
6	9330.00	51.02	4.19	36.38	48.33	MaxP	Vertical	99	59	68.2	-19.9	Pass
7	17660.00	48.89	6.69	41.68	55.03	MaxP	Horizontal	99	240	68.2	-13.2	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5600.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



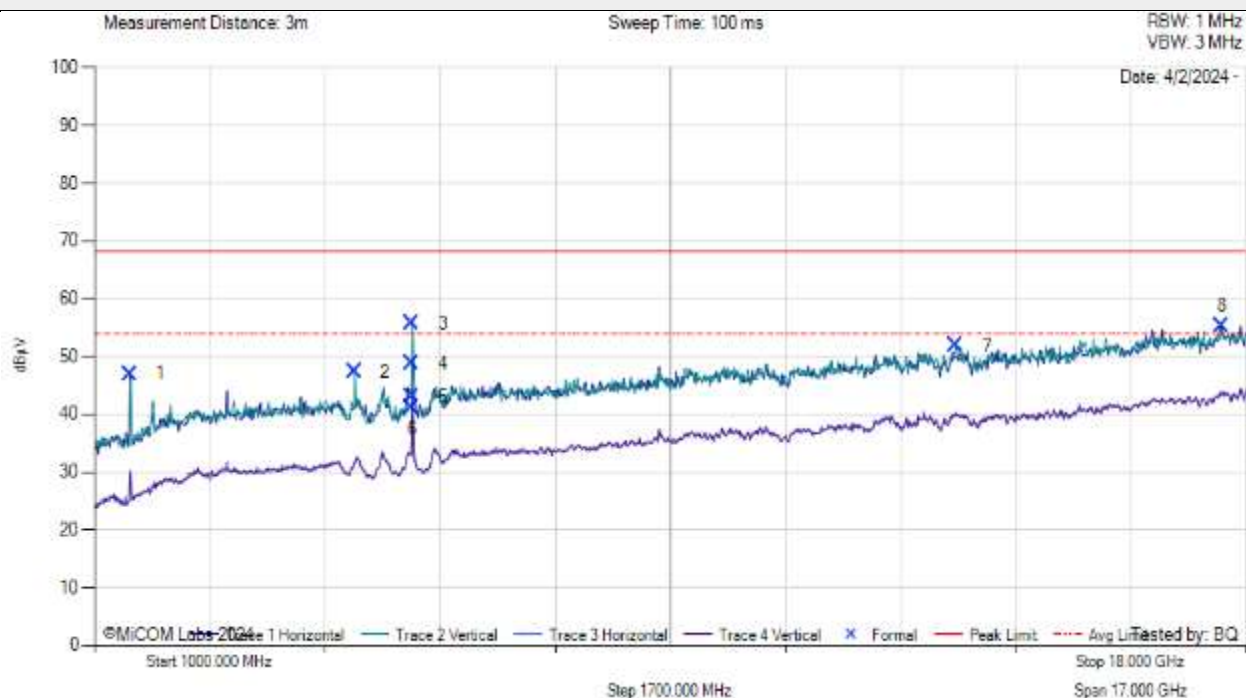
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.74	1.58	28.19	47.61	MaxP	Horizontal	100	240	68.2	-20.6	Pass
2	5590.00	73.71	3.15	34.55	65.50	Fundamental	Vertical	149	119	68.2	-2.7	Pass
3	5590.00	70.37	3.15	34.55	62.16	Fundamental	Horizontal	100	120	68.2	-6.1	Pass
4	5590.00	62.79	3.15	34.55	54.58	Fundamental	Vertical	100	119	54.0	0.6	Pass
5	5590.00	59.40	3.15	34.55	51.19	Fundamental	Horizontal	100	120	54.0	-2.8	Pass
6	9330.00	51.85	4.19	36.38	49.15	MaxP	Vertical	100	59	68.2	-19.1	Pass
7	13716.00	52.34	5.47	39.08	51.31	MaxP	Vertical	149	60	68.2	-16.9	Pass
8	17677.00	49.69	6.39	41.68	55.35	MaxP	Vertical	149	239	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5700.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



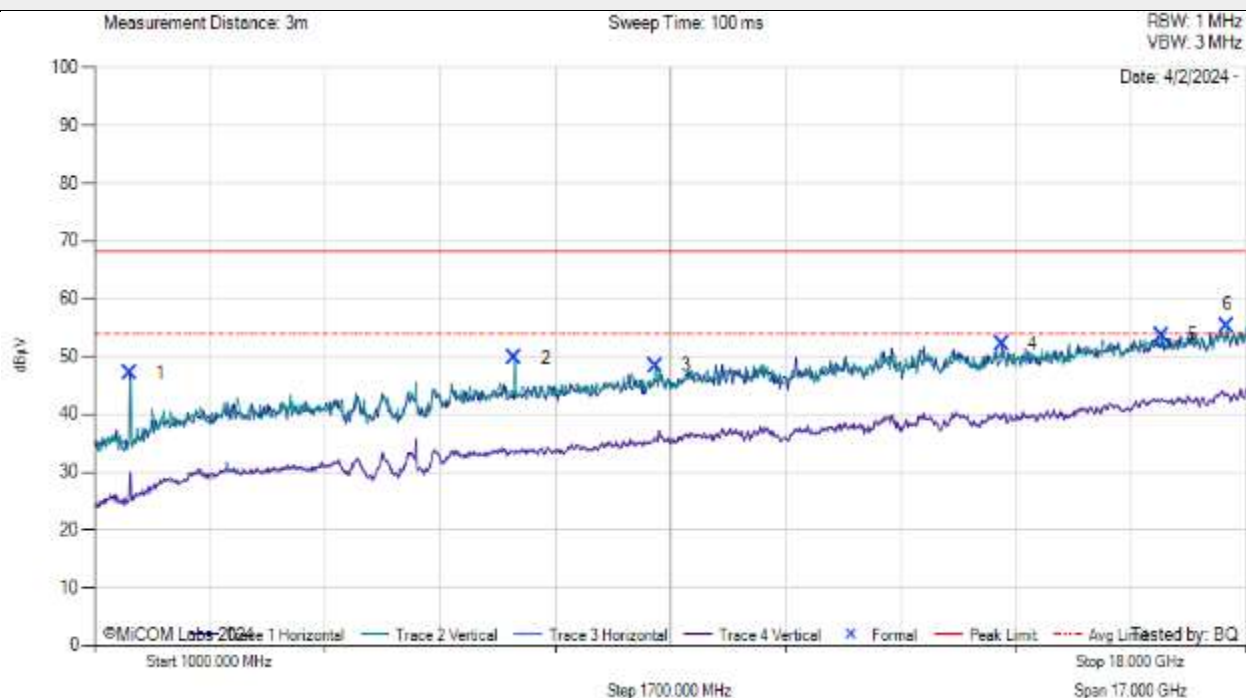
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.17	1.58	28.19	47.03	MaxP	Horizontal	100	240	68.2	-21.2	Pass
2	4842.00	57.05	2.92	34.00	47.32	MaxP	Vertical	100	119	68.2	-20.9	Pass
3	5692.00	63.22	3.21	34.65	55.71	Fundamental	Vertical	100	119	68.2	-12.5	Pass
4	5692.00	56.35	3.21	34.65	48.83	Fundamental	Horizontal	149	240	68.2	-19.4	Pass
5	5692.00	50.53	3.21	34.65	43.02	Fundamental	Vertical	149	239	54.0	-11.0	Pass
6	5692.00	48.67	3.21	34.65	41.15	Fundamental	Horizontal	100	120	54.0	-12.8	Pass
7	13716.00	52.99	5.47	39.08	51.96	MaxP	Vertical	100	119	68.2	-16.3	Pass
8	17643.00	49.35	6.27	41.66	55.32	MaxP	Horizontal	100	180	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



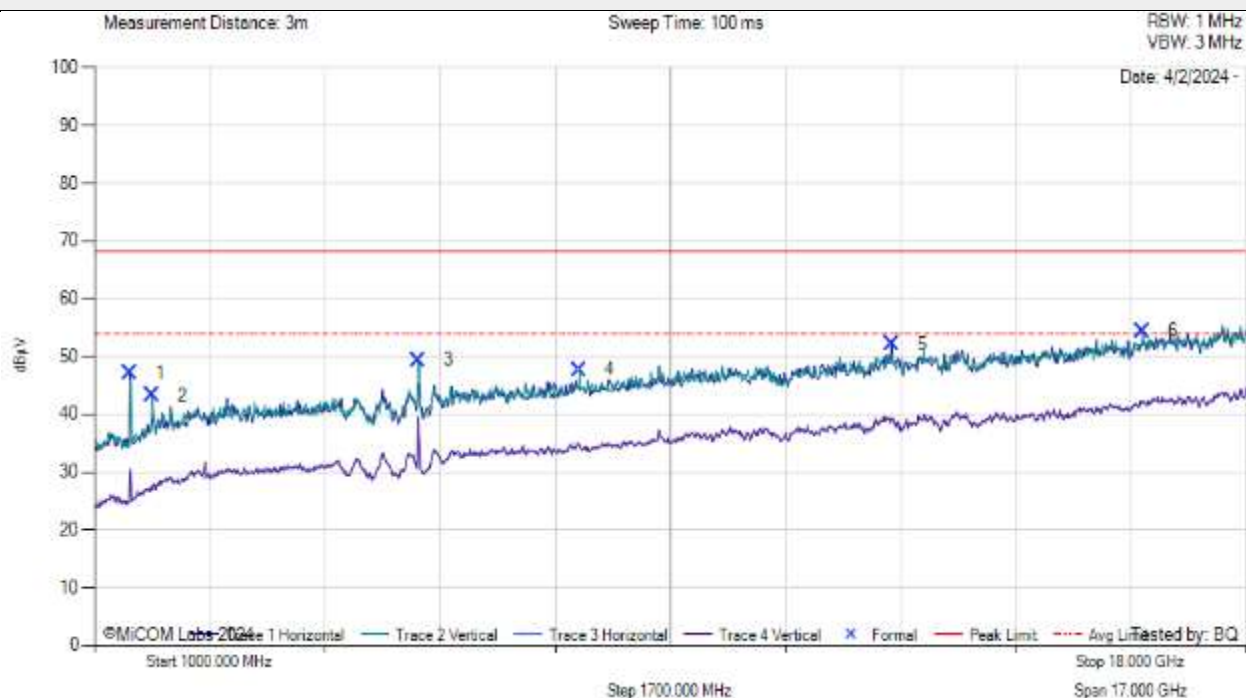
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.27	1.58	28.19	47.13	MaxP	Horizontal	100	240	68.2	-21.1	Pass
2	7205.00	53.98	3.78	35.92	49.75	MaxP	Vertical	149	179	68.2	-18.5	Pass
3	9279.00	51.17	4.21	36.34	48.46	MaxP	Vertical	149	179	68.2	-19.8	Pass
4	14396.00	53.17	5.18	39.46	52.20	MaxP	Horizontal	149	60	68.2	-16.0	Pass
5	16759.00	47.72	6.65	41.69	53.74	MaxP	Vertical	149	300	68.2	-14.5	Pass
6	17711.00	48.95	6.18	41.69	55.34	MaxP	Vertical	149	300	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5785.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



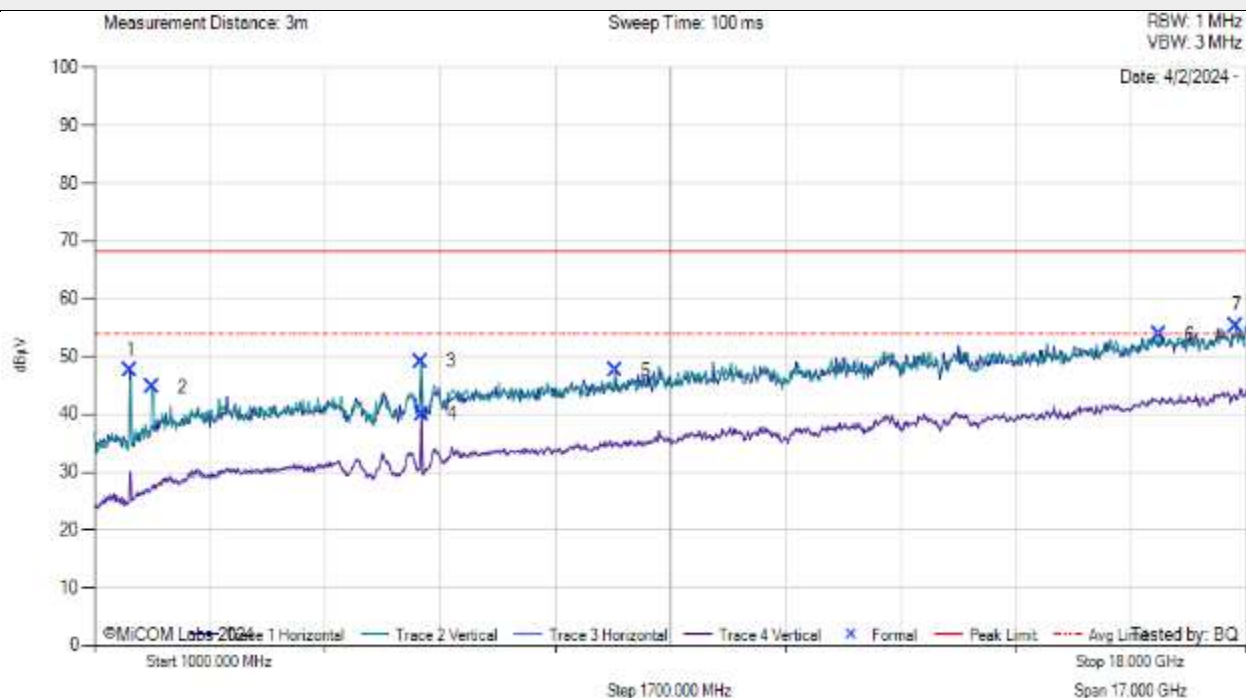
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.17	1.58	28.19	47.04	MaxP	Horizontal	100	240	68.2	-21.2	Pass
2	1850.00	55.77	1.70	30.70	43.28	MaxP	Vertical	149	179	68.2	-24.9	Pass
3	5777.00	56.95	3.19	34.80	49.35	Fundamental	Vertical	149	179	68.2	-18.9	Pass
4	8157.00	51.98	3.86	35.79	47.73	MaxP	Vertical	149	239	68.2	-20.5	Pass
5	12764.00	54.98	5.26	39.12	52.17	MaxP	Horizontal	100	180	68.2	-16.1	Pass
6	16470.00	48.67	6.35	41.02	54.38	MaxP	Vertical	100	59	68.2	-13.8	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5825.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



1000.00 - 18000.00 MHz

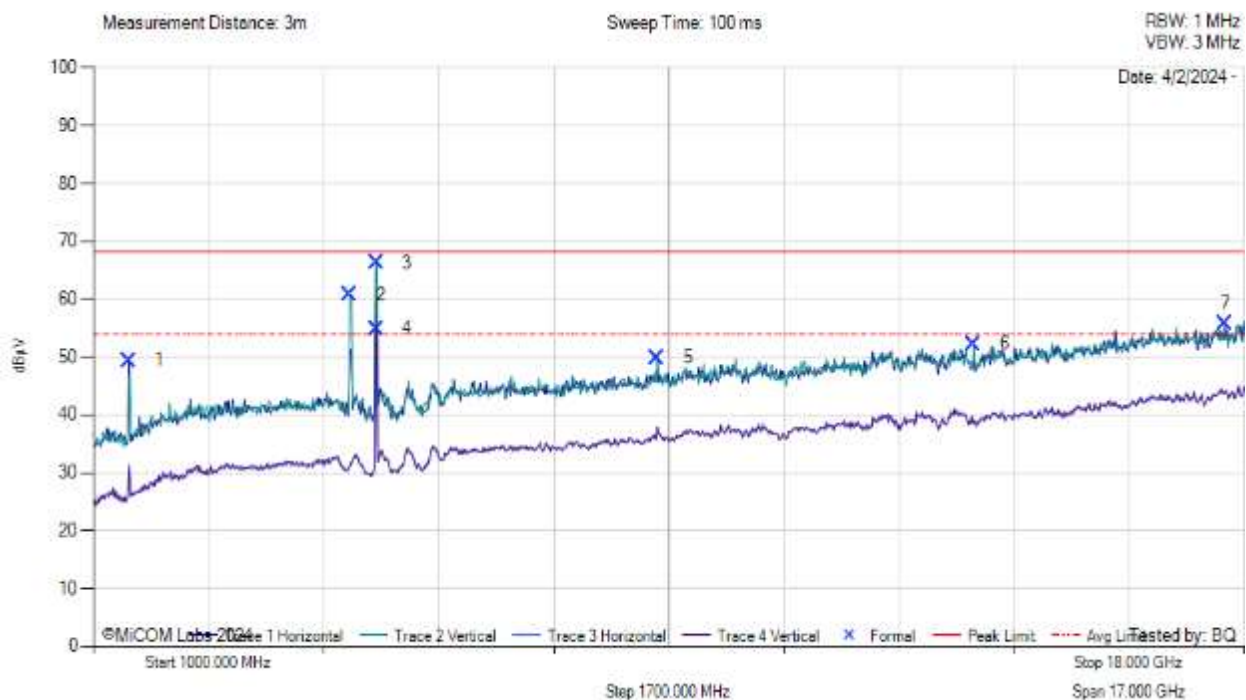
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.73	1.58	28.19	47.60	MaxP	Horizontal	100	240	68.2	-20.6	Pass
2	1850.00	57.21	1.70	30.70	44.73	MaxP	Vertical	149	179	68.2	-23.5	Pass
3	5811.00	56.01	3.20	34.87	49.12	Fundamental	Vertical	149	179	68.2	-19.1	Pass
4	5828.00	47.12	3.23	34.91	40.03	Fundamental	Vertical	100	119	54.0	-14.0	Pass
5	8684.00	51.43	4.05	35.92	47.54	MaxP	Vertical	149	179	68.2	-20.7	Pass
6	16708.00	48.23	6.23	41.62	53.84	MaxP	Vertical	149	300	68.2	-14.4	Pass
7	17847.00	48.75	6.30	41.63	55.41	MaxP	Vertical	149	240	68.2	-12.8	Pass

9.1.1.2. Linx ANT-DB1-RAF-RPS

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5180.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



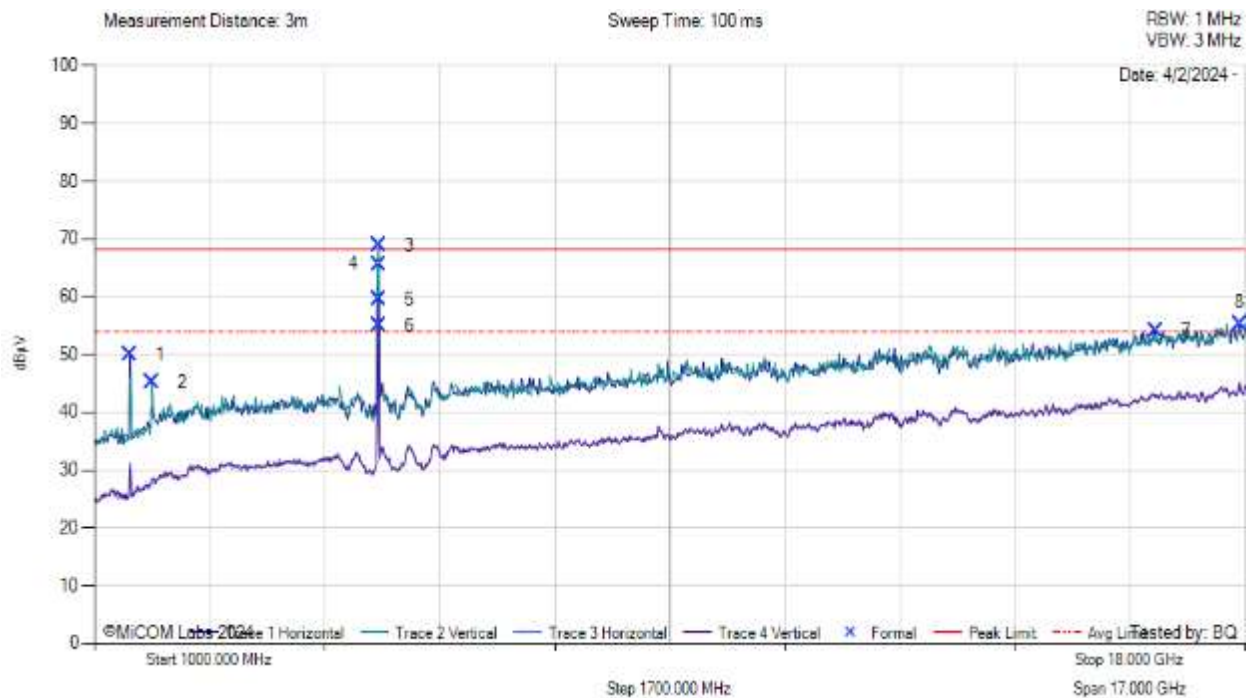
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	64.50	1.58	28.19	49.37	MaxP	Horizontal	100	240	68.2	-18.9	Pass
2	4791.00	70.02	2.93	34.00	60.70	MaxP	Vertical	149	239	68.2	-7.5	Pass
3	5182.00	75.15	2.97	34.19	66.24	Fundamental	Vertical	--	--	--	--	Pass
4	5182.00	63.79	2.97	34.19	54.88	Fundamental	Vertical	--	--	--	--	Pass
5	9330.00	52.54	4.19	36.38	49.84	MaxP	Vertical	149	59	68.2	-18.4	Pass
6	14005.00	55.51	5.08	39.18	52.29	MaxP	Vertical	100	0	68.2	-15.9	Pass
7	17711.00	49.32	6.18	41.69	55.71	MaxP	Horizontal	149	300	68.2	-12.5	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5200.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

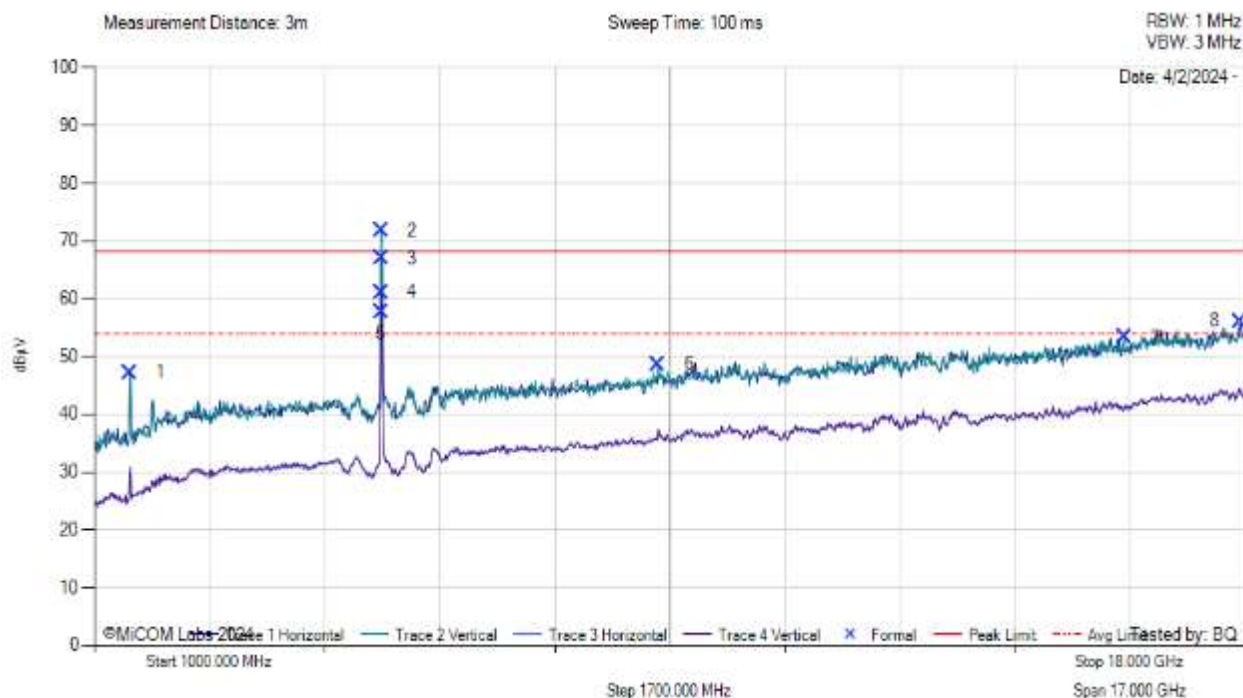


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	65.16	1.58	28.19	50.03	MaxP	Horizontal	99	240	68.2	-18.2	Pass
2	1850.00	57.63	1.70	30.70	45.15	MaxP	Vertical	149	179	68.2	-23.1	Pass
3	5199.00	78.12	2.98	34.22	68.92	Fundamental	Vertical	--	--	--	--	Pass
4	5199.00	74.87	2.98	34.22	65.67	Fundamental	Vertical	--	--	--	--	Pass
5	5199.00	68.73	2.98	34.22	59.53	Fundamental	Vertical	--	--	--	--	Pass
6	5199.00	64.26	2.98	34.22	55.06	Fundamental	Vertical	--	--	--	--	Pass
7	16674.00	48.68	5.97	41.56	54.13	MaxP	Horizontal	149	0	68.2	-14.1	Pass
8	17915.00	47.41	6.67	41.55	55.36	MaxP	Horizontal	149	60	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5240.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

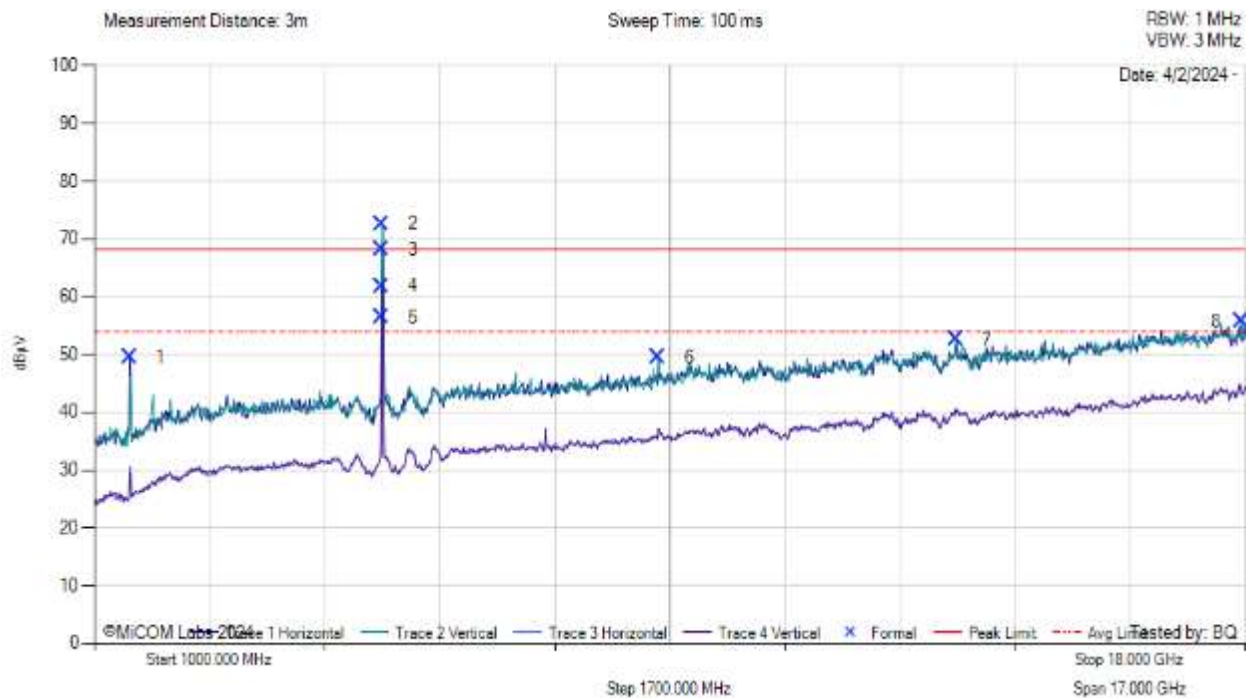


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.34	1.58	28.19	47.21	MaxP	Horizontal	100	240	68.2	-21.0	Pass
2	5233.00	80.60	3.05	34.26	71.83	Fundamental	Vertical	--	--	--	--	Pass
3	5233.00	75.71	3.05	34.26	66.94	Fundamental	Vertical	--	--	--	--	Pass
4	5233.00	69.86	3.05	34.26	61.09	Fundamental	Vertical	--	--	--	--	Pass
5	5233.00	66.47	3.05	34.26	57.70	Fundamental	Vertical	--	--	--	--	Pass
6	9330.00	51.34	4.19	36.38	48.65	MaxP	Vertical	149	59	68.2	-19.6	Pass
7	16215.00	49.01	6.04	40.70	53.32	MaxP	Vertical	149	179	68.2	-14.9	Pass
8	17932.00	48.69	6.50	41.53	56.10	MaxP	Horizontal	149	0	68.2	-12.1	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5260.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

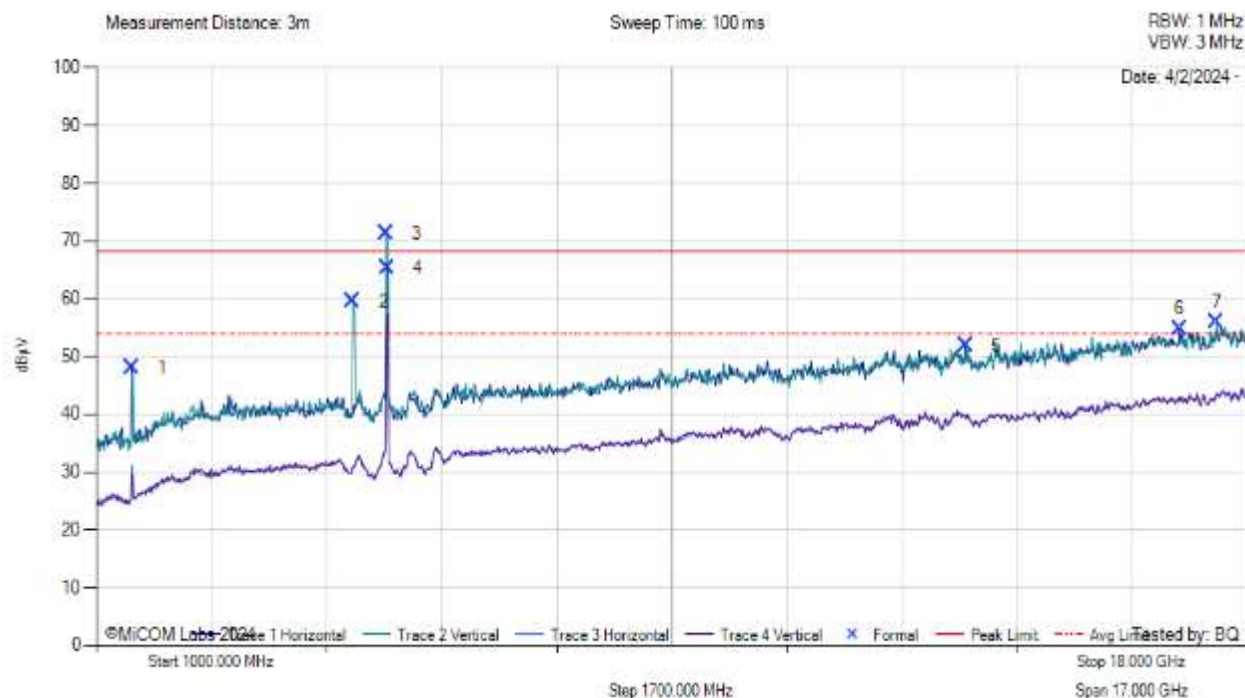


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	64.71	1.58	28.19	49.58	MaxP	Horizontal	100	240	68.2	-18.7	Pass
2	5250.00	81.03	3.04	34.28	72.59	Fundamental	Vertical	--	--	--	--	Pass
3	5250.00	76.68	3.04	34.28	68.25	Fundamental	Horizontal	--	--	--	--	Pass
4	5250.00	70.25	3.04	34.28	61.82	Fundamental	Vertical	--	--	--	--	Pass
5	5250.00	64.91	3.04	34.28	56.48	Fundamental	Horizontal	--	--	--	--	Pass
6	9330.00	52.14	4.19	36.38	49.44	MaxP	Vertical	100	119	68.2	-18.8	Pass
7	13733.00	53.57	5.58	39.09	52.66	MaxP	Horizontal	149	240	68.2	-15.6	Pass
8	17949.00	49.23	6.28	41.52	55.75	MaxP	Vertical	149	239	68.2	-12.5	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5300.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



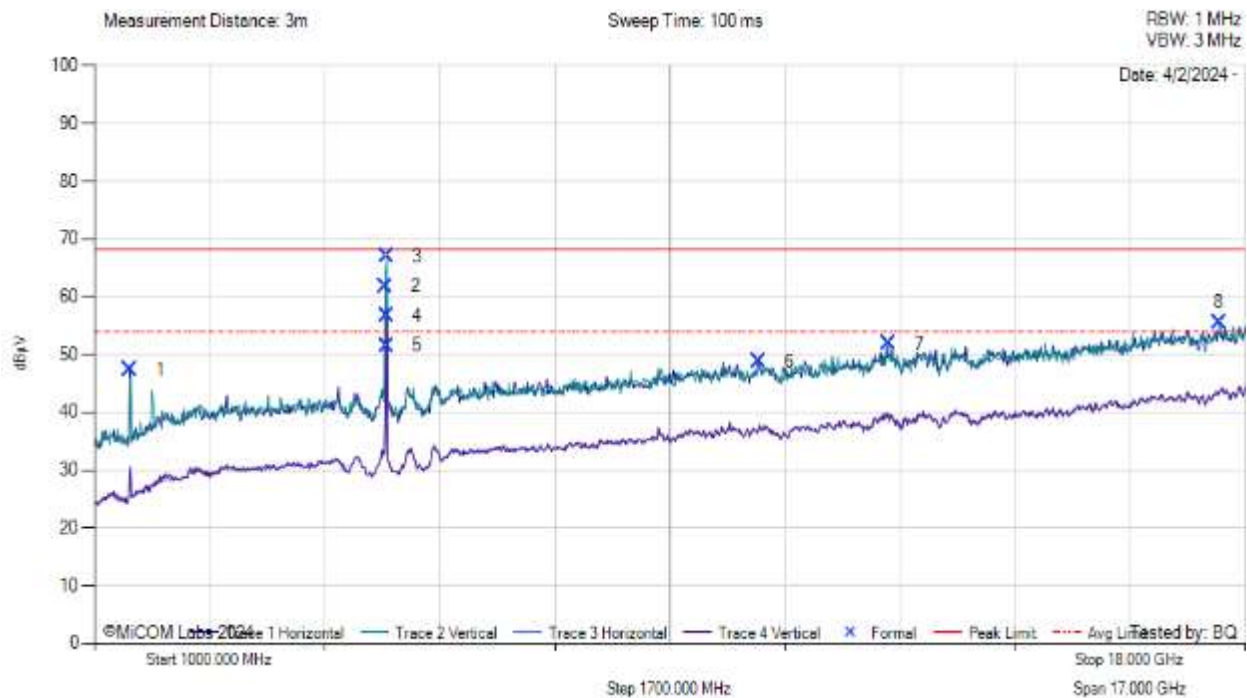
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	63.15	1.58	28.19	48.02	MaxP	Horizontal	100	240	68.2	-20.2	Pass
2	4791.00	68.88	2.93	34.00	59.57	MaxP	Vertical	149	239	68.2	-8.7	Pass
3	5284.00	80.23	2.99	34.35	71.28	Fundamental	Vertical	--	--	--	--	Pass
4	5301.00	74.29	3.26	34.38	65.34	Fundamental	Vertical	--	--	--	--	Pass
5	13835.00	53.68	5.14	39.10	51.84	MaxP	Horizontal	149	0	68.2	-16.4	Pass
6	16997.00	48.64	6.60	41.56	54.74	MaxP	Horizontal	149	240	68.2	-13.5	Pass
7	17541.00	50.11	6.50	41.55	55.91	MaxP	Vertical	149	119	68.2	-12.3	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5320.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

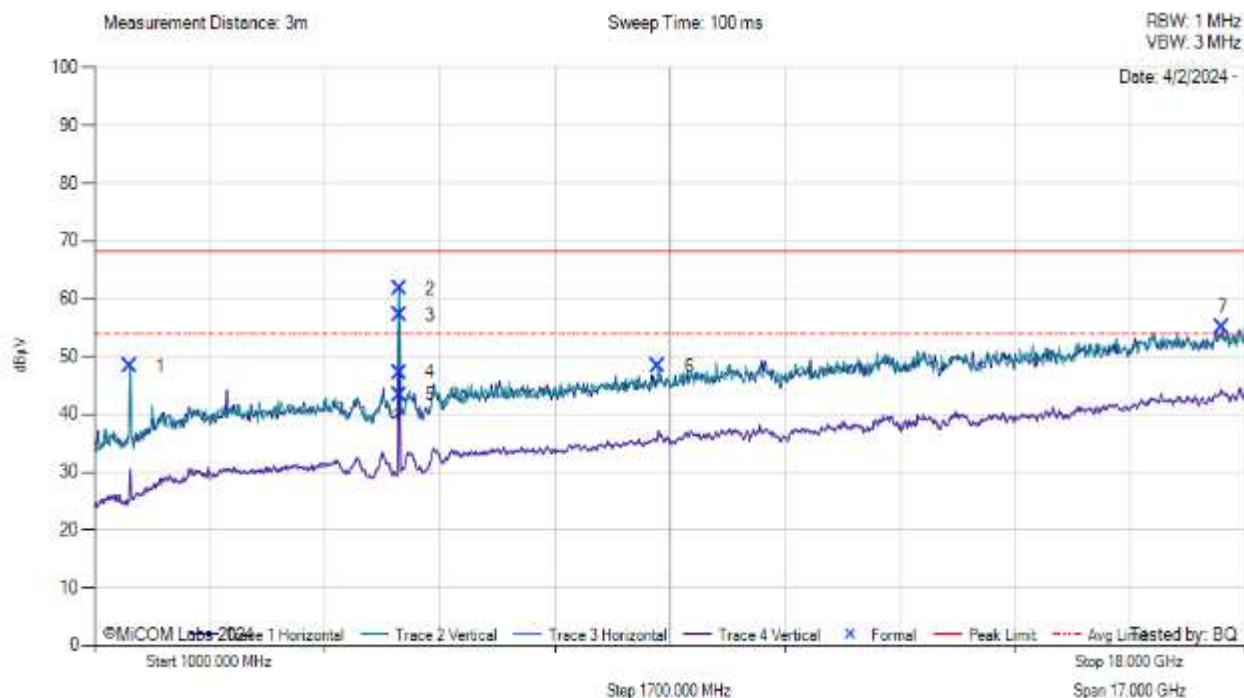


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.50	1.58	28.19	47.37	MaxP	Horizontal	100	240	68.2	-20.9	Pass
2	5301.00	70.76	3.26	34.38	61.81	MaxP	Horizontal	149	120	68.2	-6.4	Pass
3	5318.00	75.93	3.04	34.40	67.04	Fundamental	Vertical	--	--	--	--	Pass
4	5318.00	65.53	3.04	34.40	56.64	Fundamental	Vertical	--	--	--	--	Pass
5	5318.00	60.41	3.04	34.40	51.52	Fundamental	Horizontal	--	--	--	--	Pass
6	10809.00	48.69	4.70	37.76	48.73	MaxP	Horizontal	149	60	68.2	-19.5	Pass
7	12730.00	54.69	5.22	39.11	51.87	MaxP	Vertical	149	179	68.2	-16.4	Pass
8	17609.00	49.80	6.37	41.62	55.44	MaxP	Vertical	100	0	68.2	-15.3	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5500.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

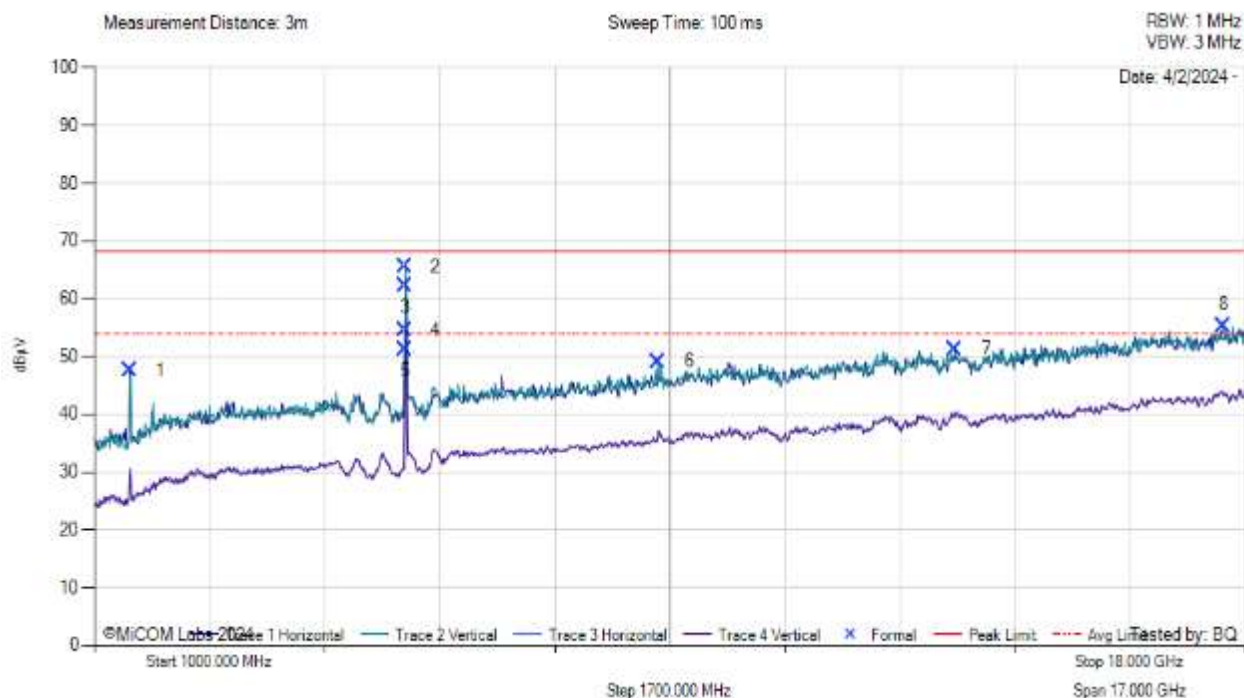


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	61.57	1.58	28.19	48.30	MaxP	Horizontal	149	240	68.2	-19.9	Pass
2	5505.00	70.23	3.11	34.53	61.76	MaxP	Vertical	149	119	68.2	-6.5	Pass
3	5505.00	65.62	3.11	34.53	57.15	MaxP	Horizontal	99	120	68.2	-11.1	Pass
4	5505.00	55.73	3.11	34.53	47.27	Fundamental	Vertical	--	--	--	--	Pass
5	5505.00	51.84	3.11	34.53	43.38	Fundamental	Horizontal	--	--	--	--	Pass
6	9330.00	51.02	4.19	36.38	48.33	MaxP	Vertical	99	59	68.2	-19.9	Pass
7	17660.00	48.89	6.69	41.68	55.03	MaxP	Horizontal	99	240	68.2	-13.2	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5600.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

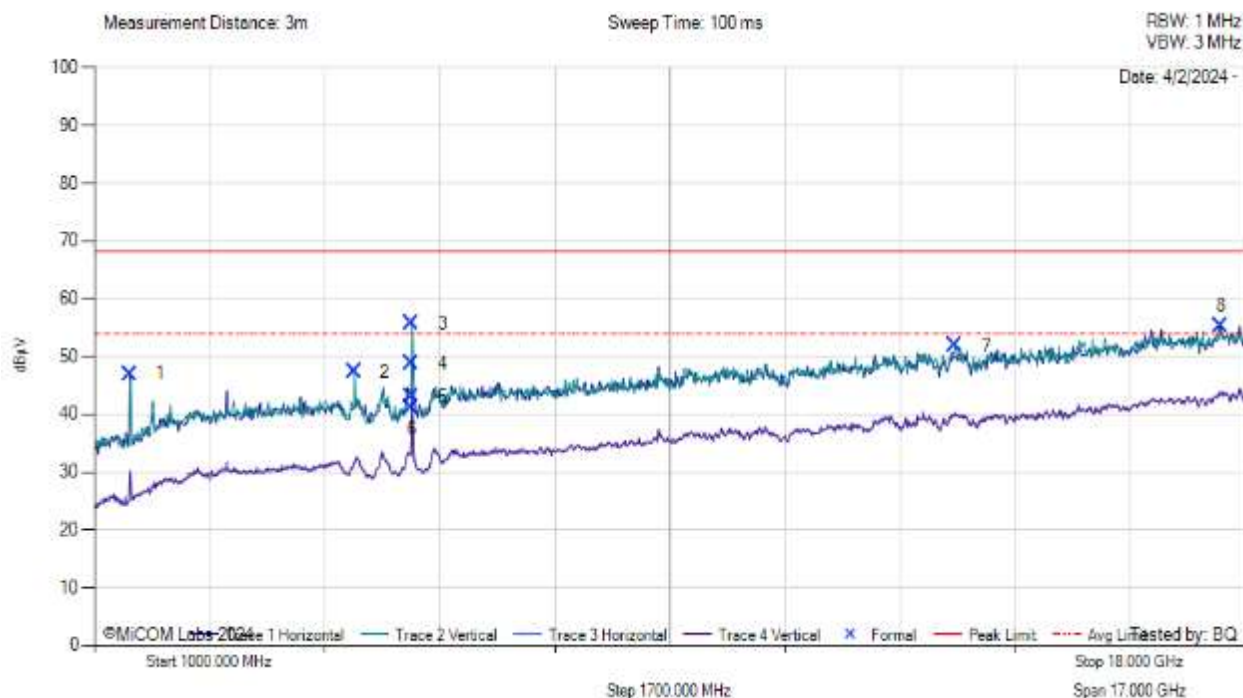


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.74	1.58	28.19	47.61	MaxP	Horizontal	100	240	68.2	-20.6	Pass
2	5590.00	73.71	3.15	34.55	65.50	Fundamental	Horizontal	--	--	--	--	Pass
3	5590.00	70.37	3.15	34.55	62.16	Fundamental	Vertical	--	--	--	--	Pass
4	5590.00	62.79	3.15	34.55	54.58	Fundamental	Horizontal	--	--	--	--	Pass
5	5590.00	59.40	3.15	34.55	51.19	Fundamental	Vertical	--	--	--	--	Pass
6	9330.00	51.85	4.19	36.38	49.15	MaxP	Vertical	100	59	68.2	-19.1	Pass
7	13716.00	52.34	5.47	39.08	51.31	MaxP	Vertical	149	60	68.2	-16.9	Pass
8	17677.00	49.69	6.39	41.68	55.35	MaxP	Vertical	149	239	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5700.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

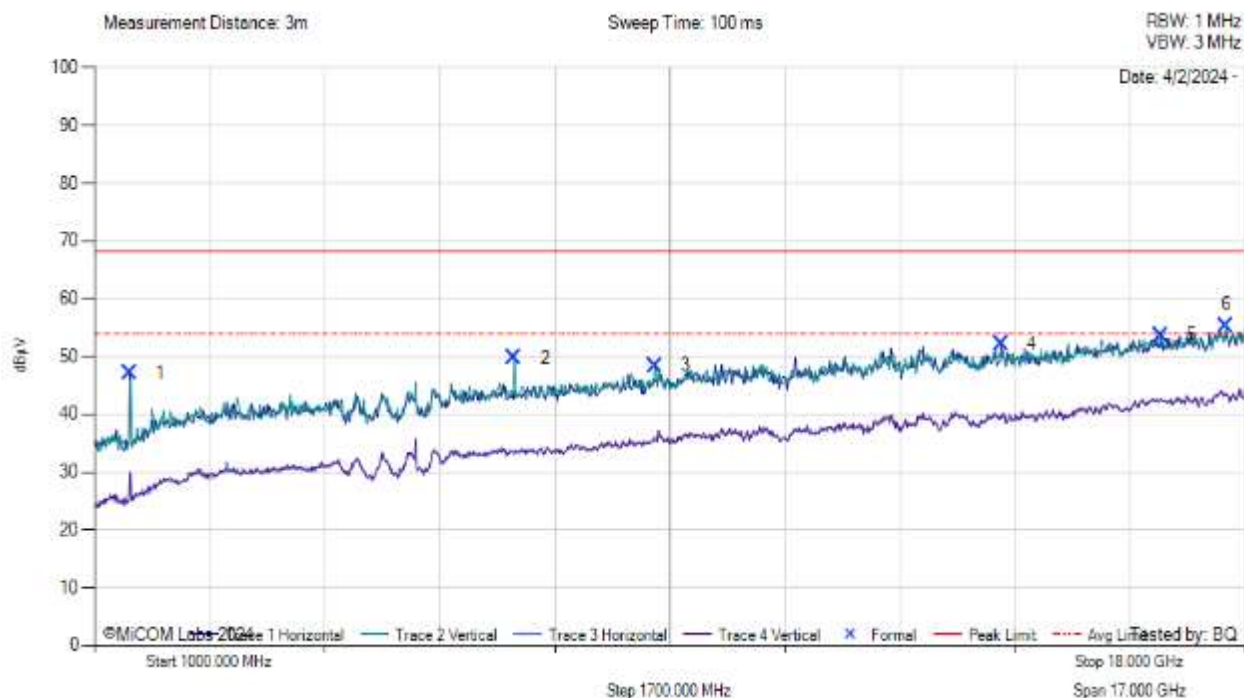


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.17	1.58	28.19	47.03	MaxP	Horizontal	100	240	68.2	-21.2	Pass
2	4842.00	57.05	2.92	34.00	47.32	MaxP	Vertical	100	119	68.2	-20.9	Pass
3	5692.00	63.22	3.21	34.65	55.71	Fundamental	Horizontal	--	--	--	--	Pass
4	5692.00	56.35	3.21	34.65	48.83	Fundamental	Vertical	--	--	--	--	Pass
5	5692.00	50.53	3.21	34.65	43.02	Fundamental	Horizontal	--	--	--	--	Pass
6	5692.00	48.67	3.21	34.65	41.15	Fundamental	Vertical	--	--	--	--	Pass
7	13716.00	52.99	5.47	39.08	51.96	MaxP	Vertical	100	119	68.2	-16.3	Pass
8	17643.00	49.35	6.27	41.66	55.32	MaxP	Horizontal	100	180	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



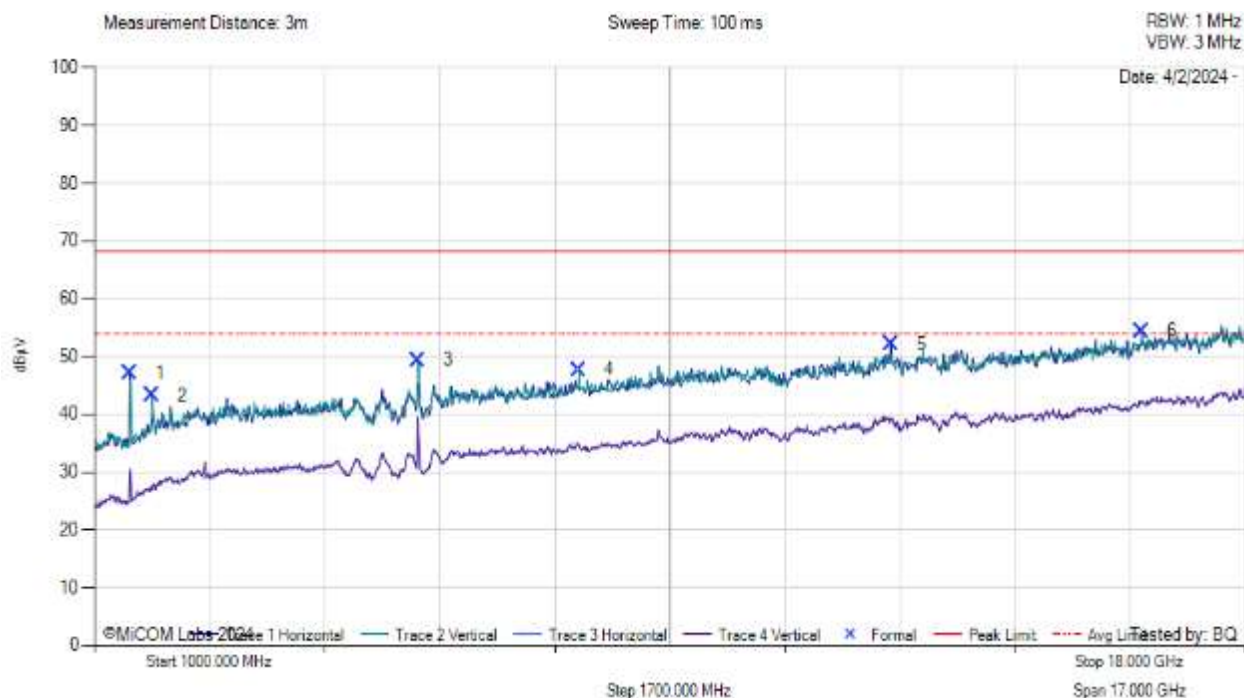
1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.27	1.58	28.19	47.13	MaxP	Horizontal	100	240	68.2	-21.1	Pass
2	7205.00	53.98	3.78	35.92	49.75	MaxP	Vertical	149	179	68.2	-18.5	Pass
3	9279.00	51.17	4.21	36.34	48.46	MaxP	Vertical	149	179	68.2	-19.8	Pass
4	14396.00	53.17	5.18	39.46	52.20	MaxP	Horizontal	149	60	68.2	-16.0	Pass
5	16759.00	47.72	6.65	41.69	53.74	MaxP	Vertical	149	300	68.2	-14.5	Pass
6	17711.00	48.95	6.18	41.69	55.34	MaxP	Vertical	149	300	68.2	-12.9	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5785.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results

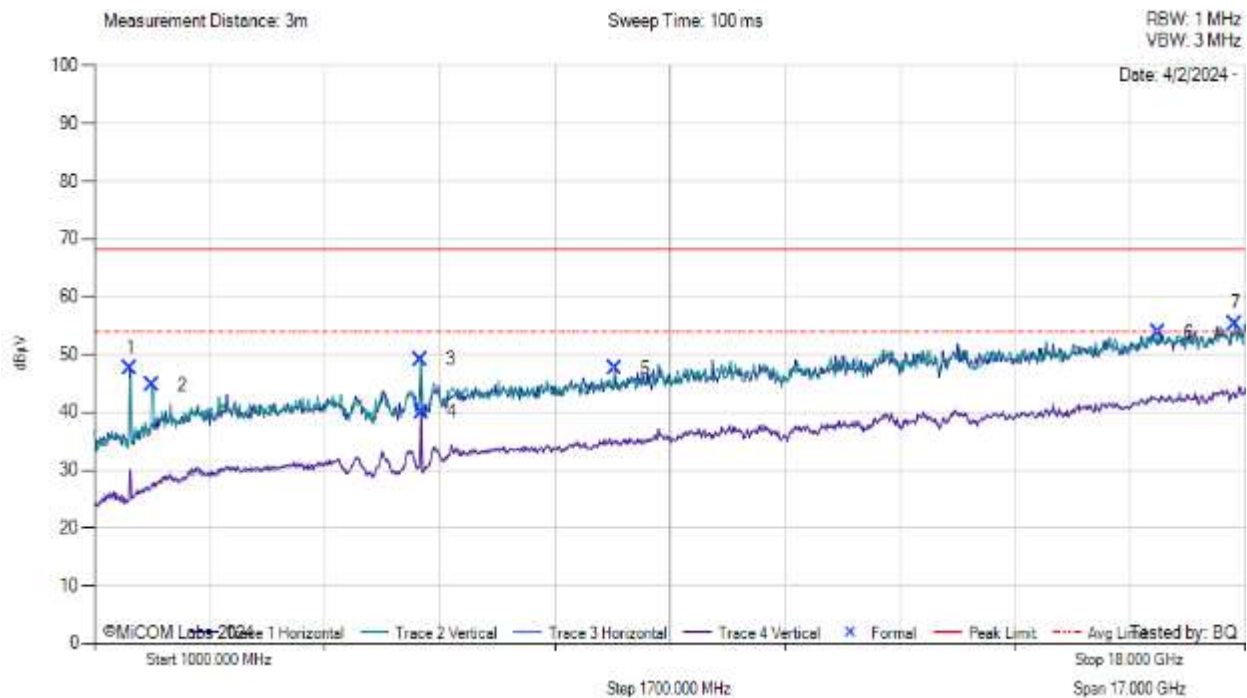


1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.17	1.58	28.19	47.04	MaxP	Horizontal	100	240	68.2	-21.2	Pass
2	1850.00	55.77	1.70	30.70	43.28	MaxP	Vertical	149	179	68.2	-24.9	Pass
3	5777.00	56.95	3.19	34.80	49.35	Fundamental	Vertical	--	--	--	--	Pass
4	8157.00	51.98	3.86	35.79	47.73	MaxP	Vertical	149	239	68.2	-20.5	Pass
5	12764.00	54.98	5.26	39.12	52.17	MaxP	Horizontal	100	180	68.2	-16.1	Pass
6	16470.00	48.67	6.35	41.02	54.38	MaxP	Vertical	100	59	68.2	-13.8	Pass

Equipment Configuration for FCC SPURIOUS 1 GHZ -18 GHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5785.00	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	1527.00	62.73	1.58	28.19	47.60	MaxP	Horizontal	100	240	68.2	-20.6	Pass
2	1850.00	57.21	1.70	30.70	44.73	MaxP	Vertical	149	179	68.2	-23.5	Pass
3	5811.00	56.01	3.20	34.87	49.12	Fundamental	Vertical	--	--	--	--	Pass
4	5828.00	47.12	3.23	34.91	40.03	Fundamental	Vertical	--	--	--	--	Pass
5	8684.00	51.43	4.05	35.92	47.54	MaxP	Vertical	149	179	68.2	-20.7	Pass
6	16708.00	48.23	6.23	41.62	53.84	MaxP	Vertical	149	300	68.2	-14.4	Pass
7	17847.00	48.75	6.30	41.63	55.41	MaxP	Vertical	149	240	68.2	-12.8	Pass

9.1.2. Restricted Edge & Band-Edge Emissions

9.1.2.3. Linx ANT-DB1-RAF-RPS

9.1.2.3.1. U-NII-1

CC93		Band-Edge Freq	Limit 74.0dBμV/m	Limit 54.0dBμV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBμV/m	dBμV/m	
802.11a	5180.00	5150.00	65.43	52.19	18
802.11ac VHT80	5210.00	5150.00	67.26	48.31	18
802.11ax HE20	5180.00	5150.00	66.70	45.73	18
802.11ax HE40	5190.00	5150.00	57.09	43.64	15
802.11n HT20	5180.00	5150.00	56.94	43.69	18
802.11n HT40	5190.00	5150.00	66.88	43.63	18

9.1.2.3.2. U-NII-2A

CC93		Band-Edge Freq	Limit 74.0dBμV/m	Limit 54.0dBμV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBμV/m	dBμV/m	
802.11a	5320.00	5350.00	62.94	49.35	18
802.11ac VHT80	5290.00	5350.00	71.82	53.19	18
802.11ax HE20	5320.00	5350.00	63.96	49.11	16
802.11ax HE40	5310.00	5350.00	72.54	51.37	18
802.11n HT20	5320.00	5350.00	64.65	44.63	18
802.11n HT40	5310.00	5350.00	67.81	49.90	18

9.1.2.3.3. U-NII-2C

CC93		Band-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5500.00	5470.00	66.96	50.81	18
802.11ac VHT20	5500.00	5470.00	67.84	51.59	18
802.11ac VHT40	5510.00	5470.00	65.68	47.13	17
802.11ac VHT80	5530.00	5470.00	65.17	48.25	18
802.11ax HE20	5500.00	5470.00	67.68	50.49	18
802.11ax HE40	5510.00	5470.00	66.56	47.38	16
802.11ax HE80	5530.00	5470.00	63.82	48.58	17
802.11n HT20	5500.00	5470.00	67.68	51.83	18
802.11n HT40	5510.00	5470.00	64.08	45.98	17

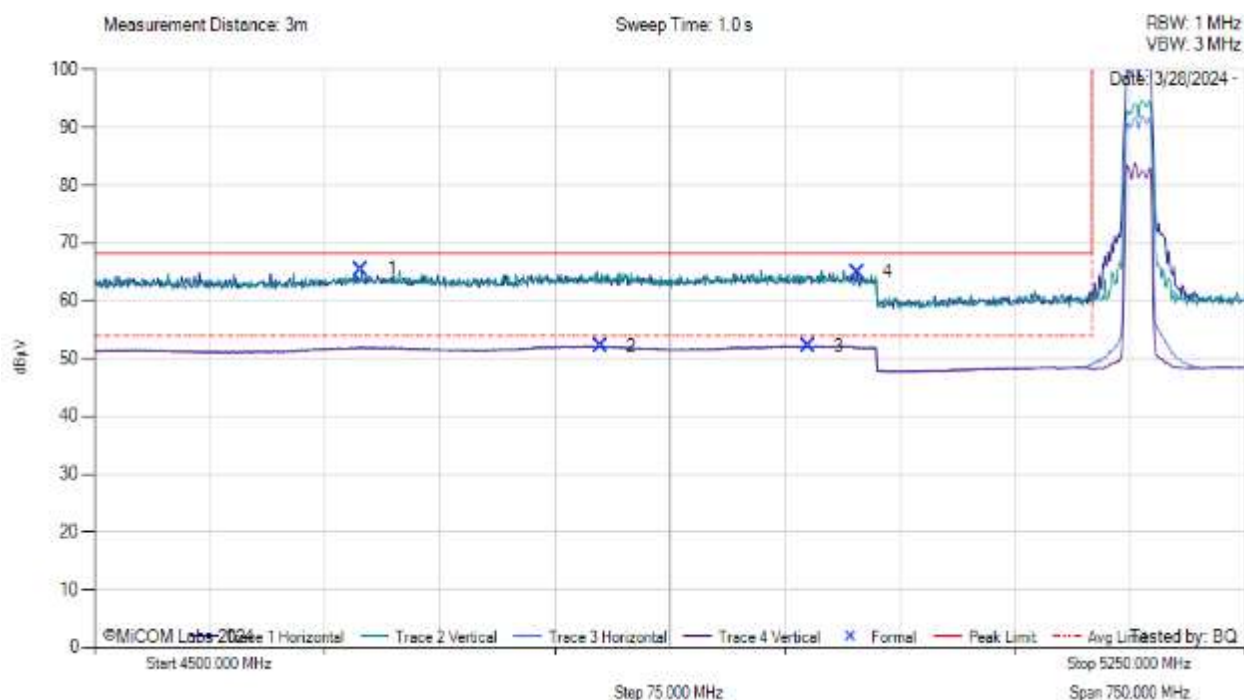
9.1.2.3.4. U-NII-3

CC93		Band-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5720.00	5725.00	55.38	41.63	18
802.11a	5745.00	5725.00	57.82	57.46	18
802.11a	5825.00	5725.00	58.24	58.22	18
802.11ac VHT80	5690.00	5725.00	61.57	44.60	18
802.11ac VHT80	5775.00	5850.00	66.11	61.07	18
802.11ax HE20	5720.00	5725.00	55.80	41.63	18
802.11ax HE20	5745.00	5725.00	57.61	57.41	18
802.11ax HE20	5825.00	5850.00	59.90	58.54	18
802.11ax HE40	5710.00	5725.00	56.12	42.18	18
802.11ax HE40	5755.00	5725.00	57.85	57.30	18
802.11ax HE40	5795.00	5850.00	58.63	58.54	18
802.11ax HE80	5690.00	5725.00	62.19	45.46	18
802.11ax HE80	5775.00	5850.00	64.11	62.05	18
802.11n HT20	5720.00	5725.00	56.19	41.40	18
802.11n HT20	5745.00	5725.00	57.24	56.92	18
802.11n HT20	5825.00	5850.00	58.74	58.47	18
802.11n HT40	5710.00	5725.00	55.62	41.24	18
802.11n HT40	5755.00	5725.00	57.92	57.71	18
802.11n HT40	5795.00	5850.00	63.65	63.20	18

Equipment Configuration for BE 5150 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



4500.00 - 5250.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4674.00	38.55	2.86	34.02	65.43	MaxP	Vertical	149	209	68.2	-2.8	Pass
2	4830.00	25.22	2.92	34.00	52.14	AVG	Horizontal	149	330	54.0	-1.9	Pass
3	4965.00	25.26	2.92	34.01	52.19	AVG	Vertical	199	29	54.0	-1.8	Pass
4	4997.25	37.94	2.99	34.02	64.94	MaxP	Horizontal	199	330	68.2	-3.3	Pass

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Equipment Configuration for BE 5150 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5210	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



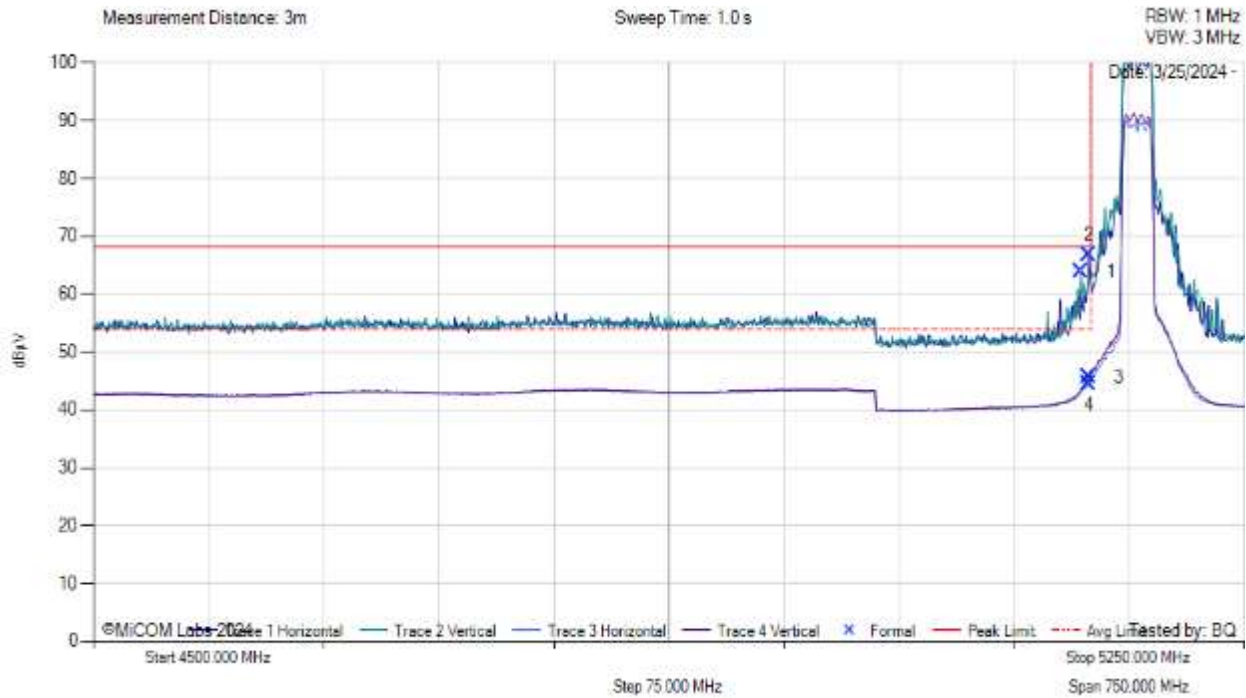
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4989.00	16.53	3.09	34.02	43.64	AVG	Vertical	199	29	54.0	-10.4	Pass
2	5147.25	31.62	3.07	34.14	58.83	MaxP	Vertical	199	239	68.2	-9.4	Pass
3	5148.00	40.06	3.06	34.14	67.26	MaxP	Horizontal	150	60	68.2	-0.9	Pass
4	5149.75	21.13	3.04	34.14	48.31	AVG	Horizontal	150	60	54.0	-5.7	Pass

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Equipment Configuration for BE 5150 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



4500.00 - 5250.00 MHz

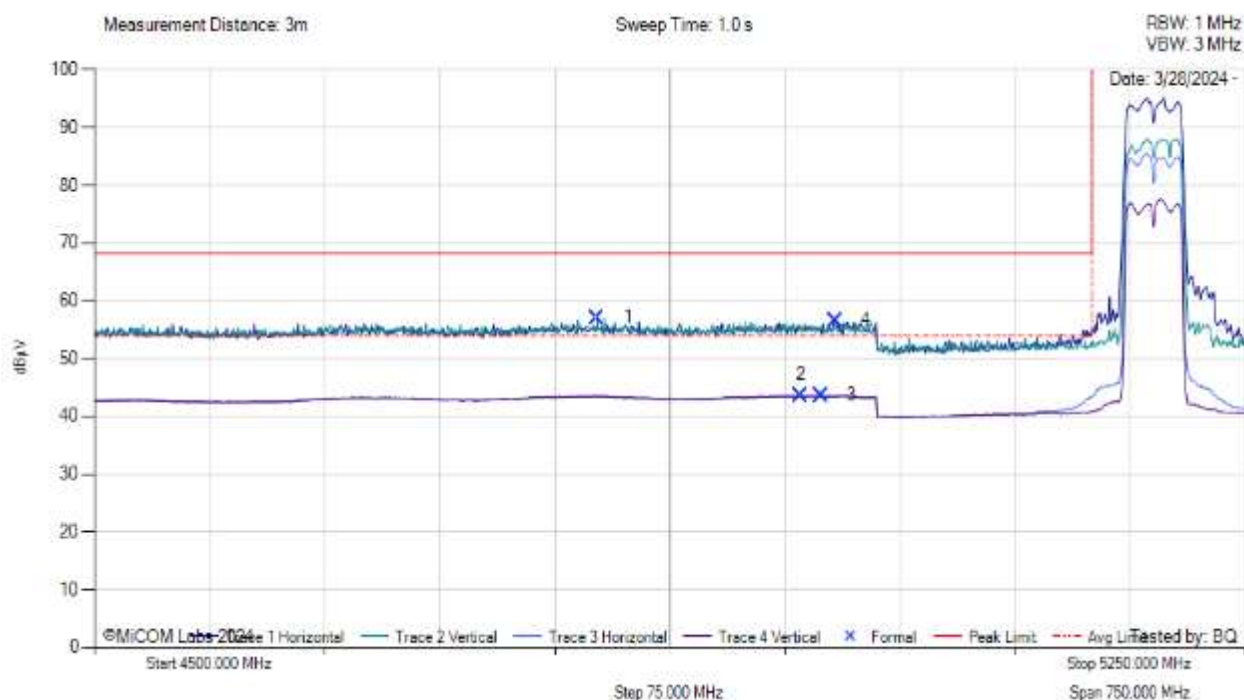
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5143.50	36.68	3.12	34.13	63.93	MaxP	Vertical	150	0	68.2	-9.6	Pass
2	5148.75	39.50	3.06	34.14	66.70	MaxP	Horizontal	150	240	68.2	-1.5	Pass
3	5148.75	18.54	3.06	34.14	45.73	AVG	Vertical	150	0	54.0	-8.3	Pass
4	5148.75	17.34	3.06	34.14	44.53	AVG	Horizontal	150	180	54.0	-9.5	Pass

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Equipment Configuration for BE 5150 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5190	Data Rate:	MCS0
Power Setting:	15	Tested By:	BQ

Test Measurement Results



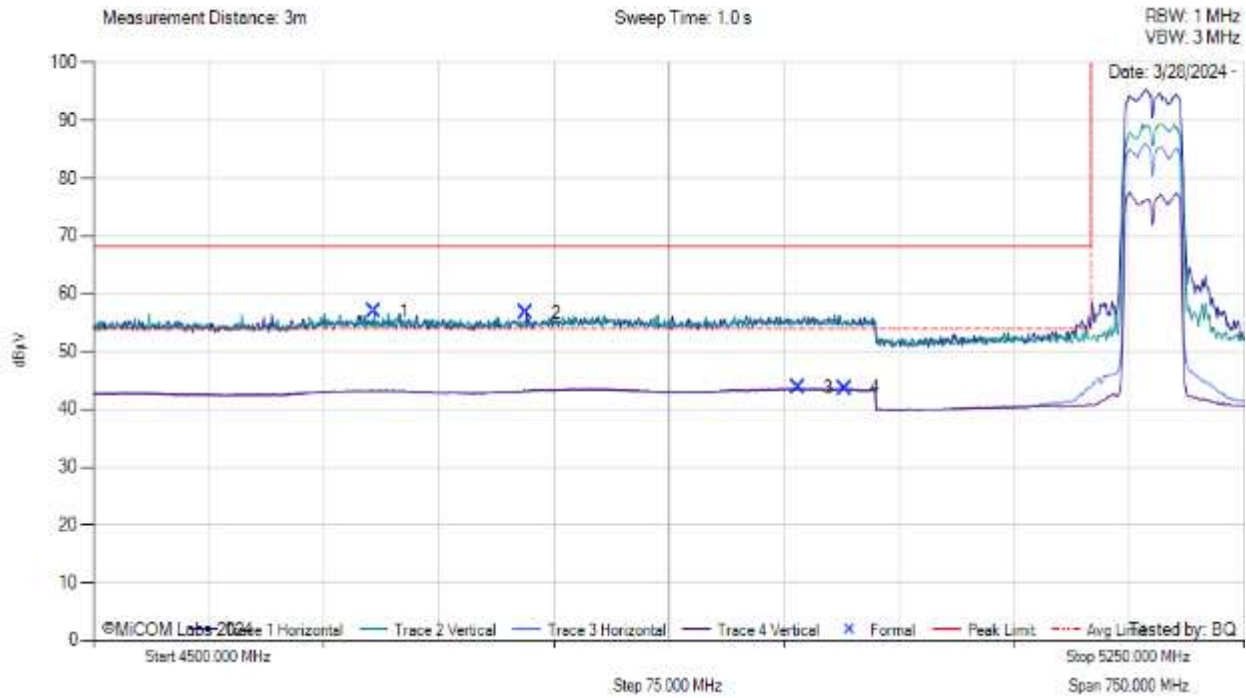
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4827.75	30.17	2.91	34.00	57.09	MaxP	Vertical	199	119	68.2	-11.1	Pass
2	4960.50	16.73	2.90	34.01	43.64	AVG	Horizontal	150	90	54.0	-10.4	Pass
3	4973.25	16.66	2.94	34.01	43.61	AVG	Vertical	150	179	54.0	-10.4	Pass
4	4983.00	29.52	3.00	34.02	56.54	MaxP	Horizontal	199	90	68.2	-11.7	Pass

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Equipment Configuration for BE 5150 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



4500.00 - 5250.00 MHz

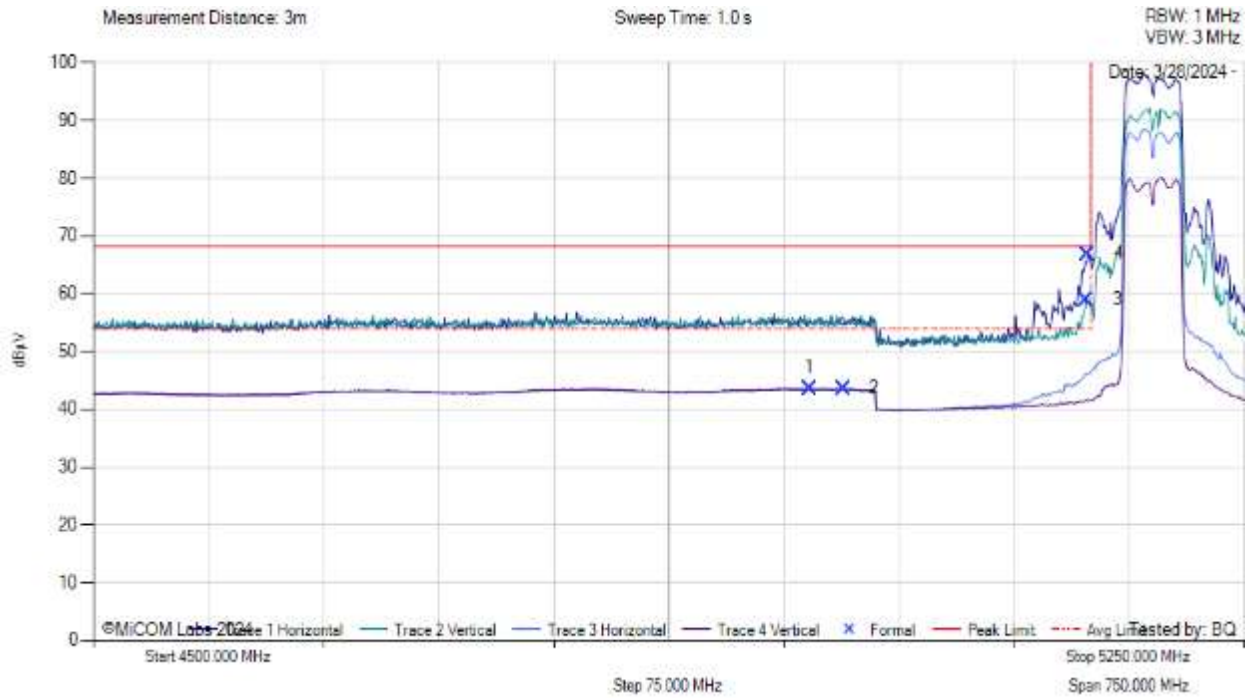
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4683.00	30.08	2.84	34.02	56.94	MaxP	Vertical	199	89	68.2	-11.3	Pass
2	4782.00	29.78	2.91	34.01	56.70	MaxP	Horizontal	199	300	68.2	-11.5	Pass
3	4959.00	16.79	2.89	34.01	43.69	AVG	Vertical	150	209	54.0	-10.3	Pass
4	4989.75	16.52	3.11	34.02	43.65	AVG	Horizontal	199	330	54.0	-10.4	Pass

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Equipment Configuration for BE 5150 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5190	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



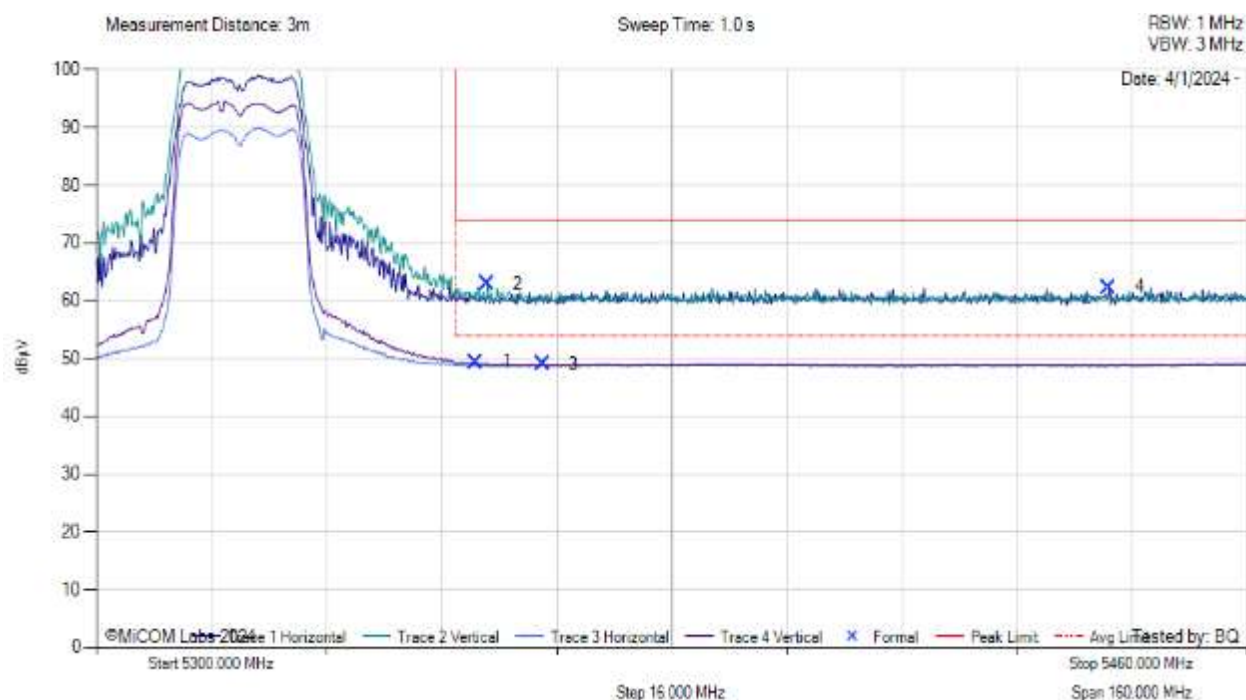
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4966.50	16.68	2.93	34.01	43.63	AVG	Vertical	150	149	54.0	-10.4	Pass
2	4989.00	16.51	3.09	34.02	43.62	AVG	Horizontal	199	330	54.0	-10.4	Pass
3	5147.25	31.76	3.07	34.14	58.97	MaxP	Vertical	199	330	68.2	-9.2	Pass
4	5148.00	39.68	3.06	34.14	66.88	MaxP	Horizontal	150	60	68.2	-1.3	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



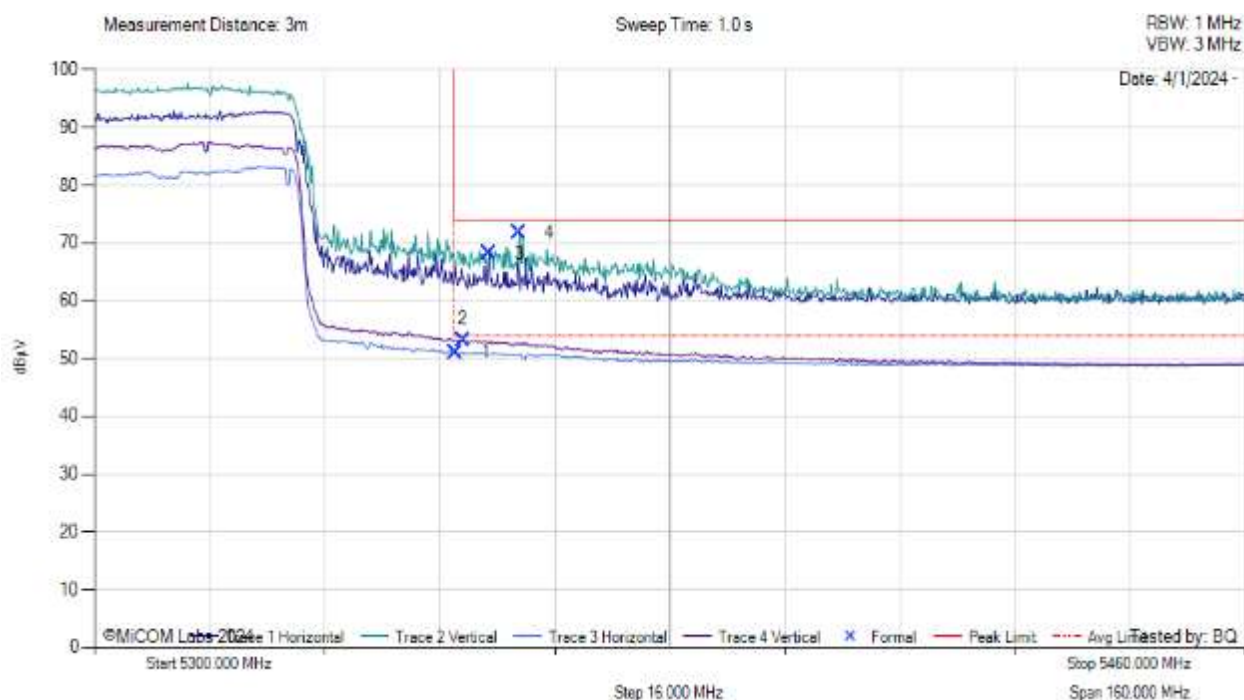
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5352.80	21.87	3.03	34.45	49.35	AVG	Vertical	199	119	54.0	-4.7	Pass
2	5354.40	35.45	3.03	34.45	62.94	MaxP	Vertical	150	150	74.0	-11.1	Pass
3	5362.08	21.49	3.07	34.46	49.03	AVG	Horizontal	199	90	54.0	-5.0	Pass
4	5440.80	34.78	3.04	34.51	62.33	MaxP	Horizontal	199	180	74.0	-11.7	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5290	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



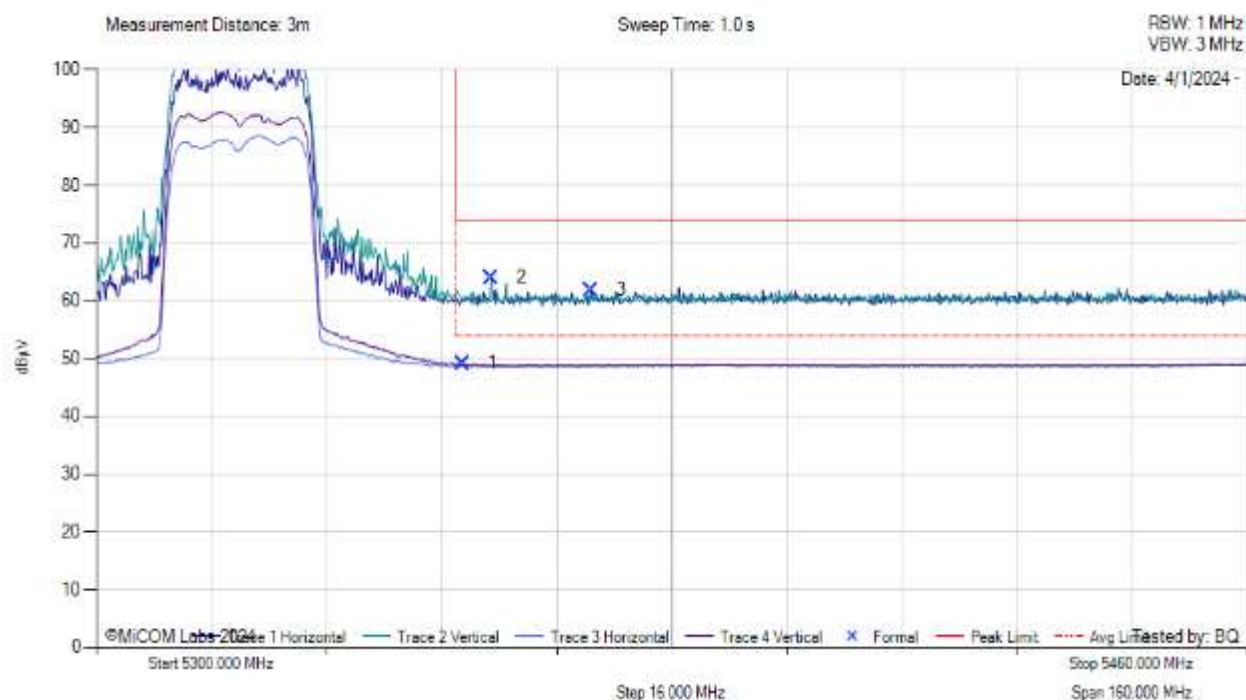
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.24	23.58	3.03	34.45	51.05	AVG	Horizontal	149	120	54.0	-2.9	Pass
2	5351.20	25.72	3.03	34.45	53.19	AVG	Vertical	199	119	54.0	-0.8	Pass
3	5354.88	40.70	3.04	34.45	68.19	MaxP	Horizontal	149	120	74.0	-5.8	Pass
4	5359.04	44.30	3.06	34.46	71.82	MaxP	Vertical	149	150	74.0	-2.2	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	MCS0
Power Setting:	16	Tested By:	BQ

Test Measurement Results



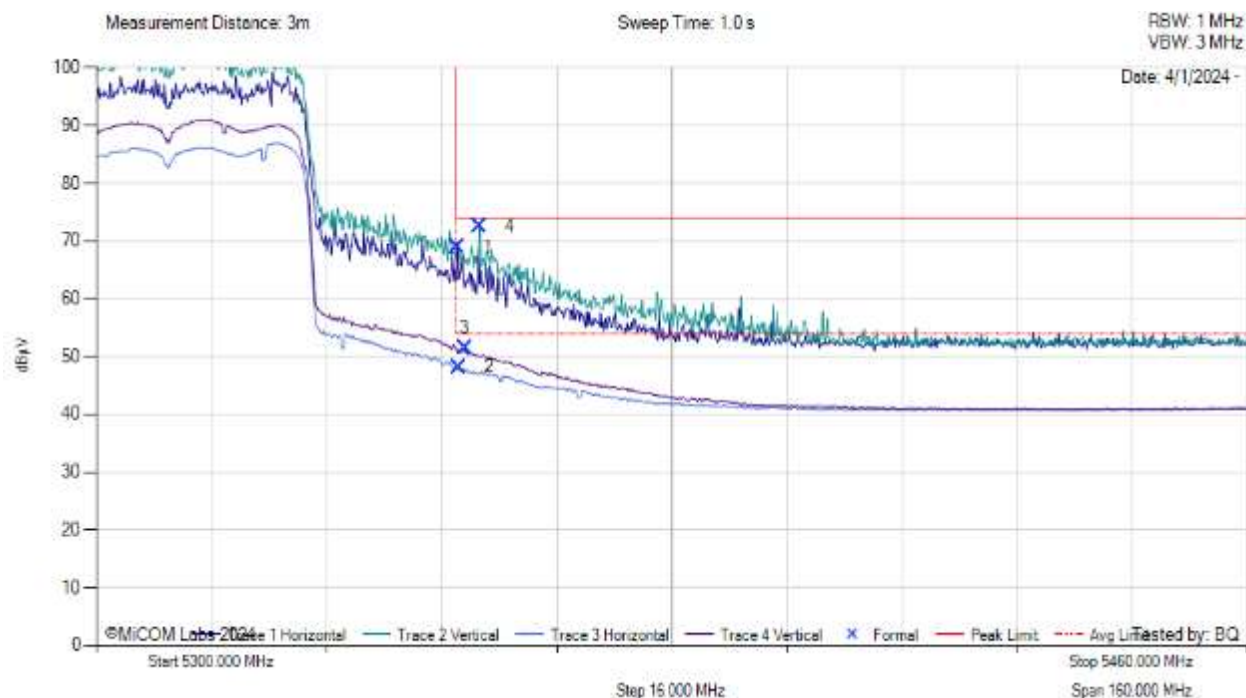
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.88	21.63	3.03	34.45	49.11	AVG	Vertical	150	119	54.0	-4.9	Pass
2	5354.88	36.47	3.04	34.45	63.96	MaxP	Vertical	199	119	74.0	-10.0	Pass
3	5368.80	34.32	3.10	34.46	61.89	MaxP	Horizontal	199	120	74.0	-12.1	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5310	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



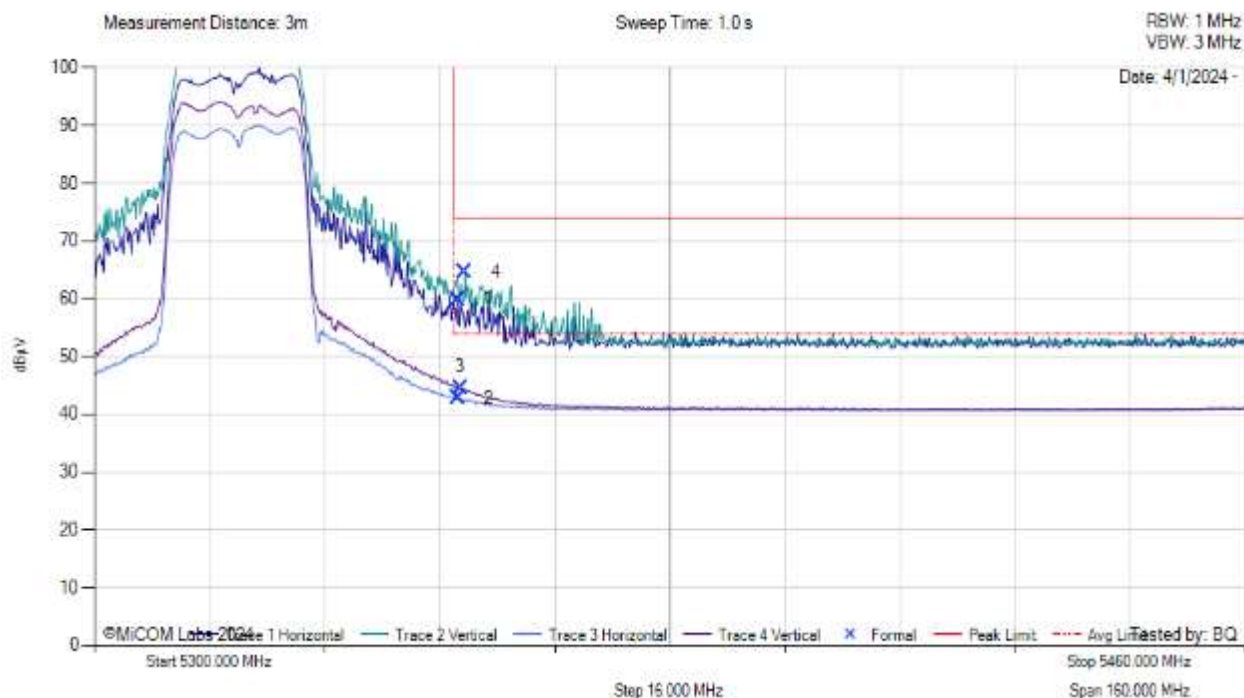
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.24	41.50	3.03	34.45	68.98	MaxP	Horizontal	149	120	74.0	-5.0	Pass
2	5350.40	20.70	3.03	34.45	48.17	AVG	Horizontal	149	120	54.0	-5.8	Pass
3	5351.20	23.89	3.03	34.45	51.37	AVG	Vertical	199	119	54.0	-2.6	Pass
4	5353.28	45.06	3.03	34.45	72.54	MaxP	Vertical	199	119	74.0	-1.5	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



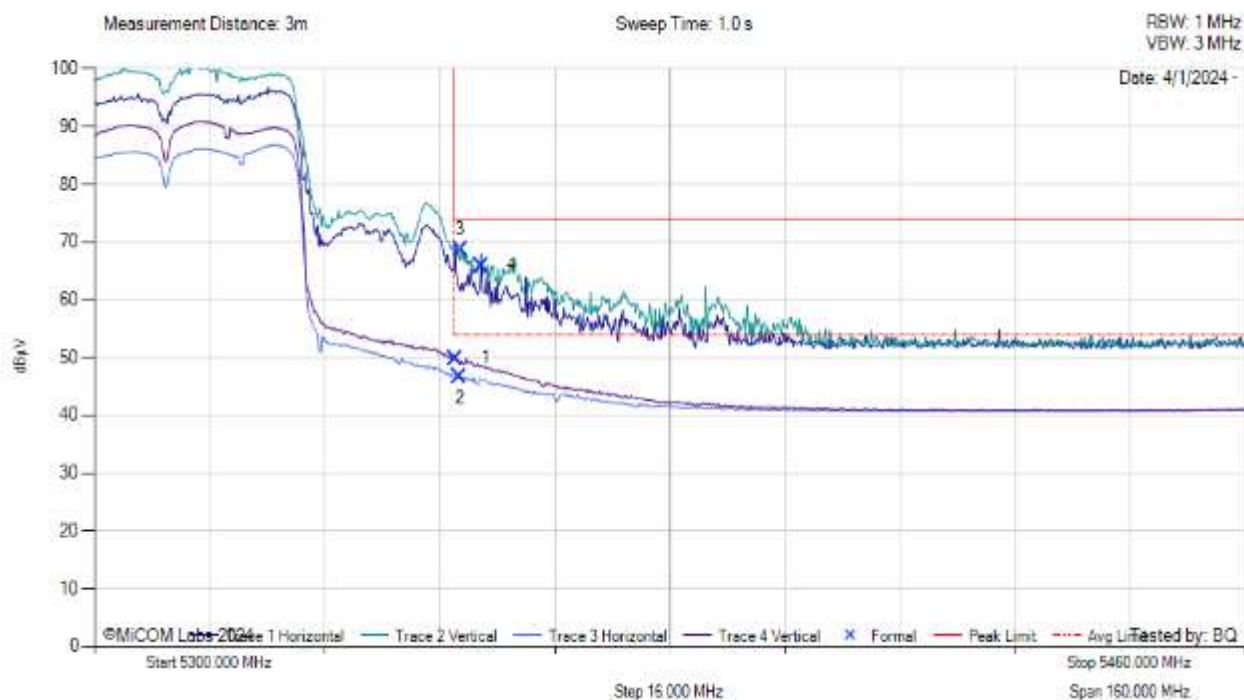
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.56	32.48	3.03	34.45	59.95	MaxP	Horizontal	150	120	74.0	-14.0	Pass
2	5350.56	15.32	3.03	34.45	42.80	AVG	Horizontal	199	90	54.0	-11.2	Pass
3	5350.88	17.16	3.03	34.45	44.63	AVG	Vertical	199	119	54.0	-9.4	Pass
4	5351.52	37.17	3.03	34.45	64.65	MaxP	Vertical	150	119	74.0	-9.4	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5310	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



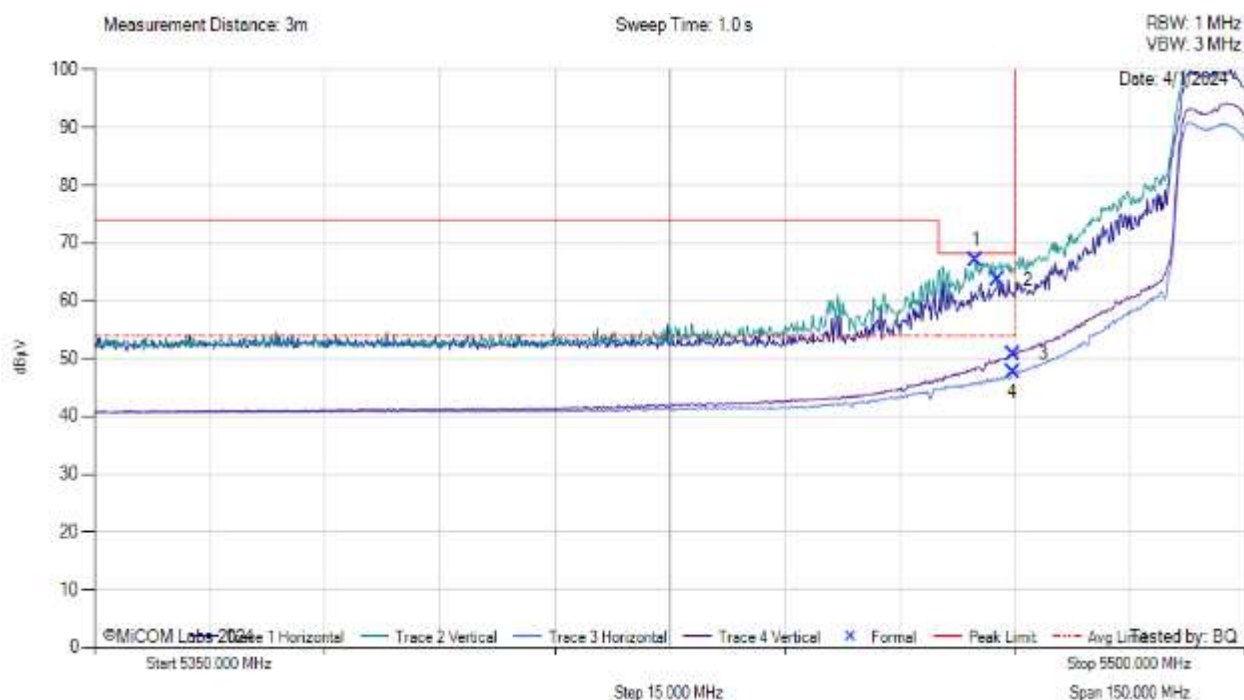
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.24	22.43	3.03	34.45	49.90	AVG	Vertical	199	119	54.0	-4.1	Pass
2	5350.72	19.17	3.03	34.45	46.64	AVG	Horizontal	149	120	54.0	-7.4	Pass
3	5350.88	41.23	3.03	34.45	68.71	MaxP	Vertical	199	119	74.0	-5.3	Pass
4	5353.76	38.43	3.03	34.45	65.91	MaxP	Horizontal	199	90	74.0	-8.1	Pass

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Equipment Configuration for BE 5460 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5464.90	39.29	3.14	34.52	66.96	MaxP	Vertical	149	119	68.2	-1.2	Pass
2	5467.75	35.99	3.12	34.52	63.64	MaxP	Horizontal	199	90	68.2	-4.6	Pass
3	5469.70	23.18	3.11	34.52	50.81	AVG	Vertical	149	119	54.0	-3.2	Pass
4	5469.70	20.04	3.11	34.52	47.67	AVG	Horizontal	199	90	54.0	-6.3	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

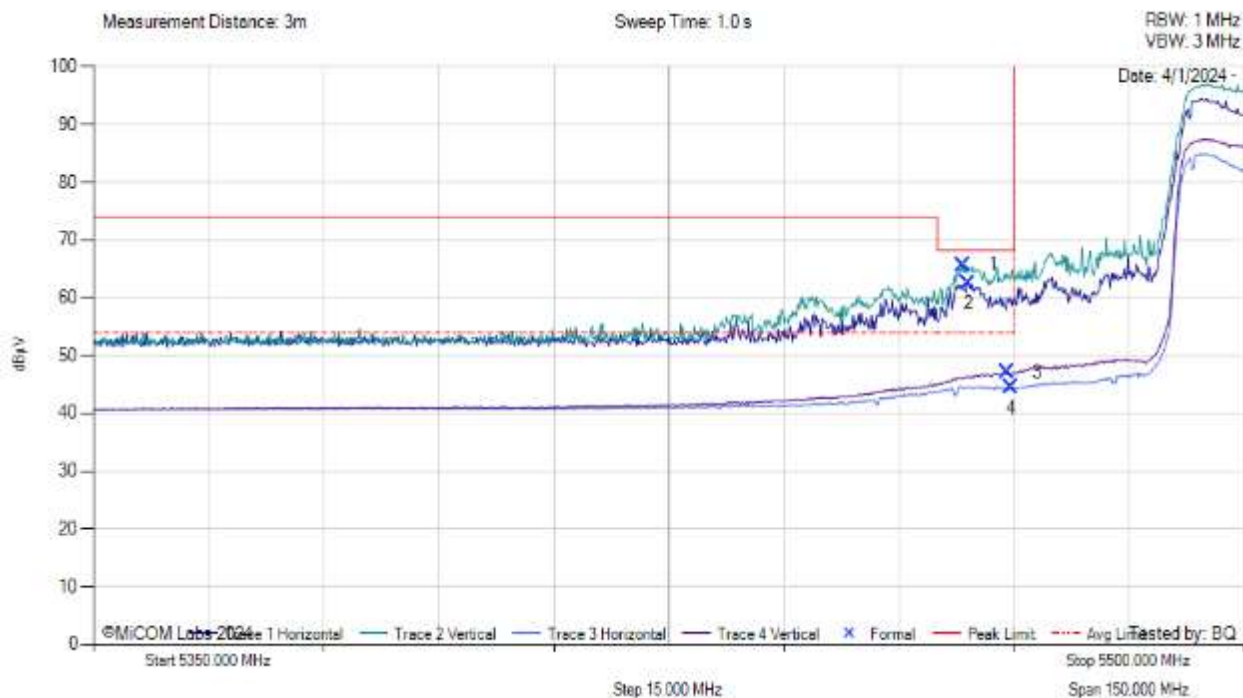
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5460.55	40.14	3.18	34.52	67.84	MaxP	Vertical	150	119	68.2	-0.4	Pass
2	5468.65	36.26	3.11	34.52	63.89	MaxP	Horizontal	199	90	68.2	-4.3	Pass
3	5469.70	20.52	3.11	34.52	48.15	AVG	Horizontal	199	90	54.0	-5.8	Pass
4	5469.85	23.95	3.11	34.52	51.59	AVG	Vertical	150	209	54.0	-2.4	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5463.25	38.00	3.16	34.52	65.68	MaxP	Vertical	150	119	68.2	-2.5	Pass
2	5464.00	34.93	3.15	34.52	62.60	MaxP	Horizontal	199	90	68.2	-5.6	Pass
3	5469.10	19.50	3.11	34.52	47.13	AVG	Vertical	150	119	54.0	-6.9	Pass
4	5469.55	16.91	3.11	34.52	44.54	AVG	Horizontal	199	90	54.0	-9.5	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5530	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



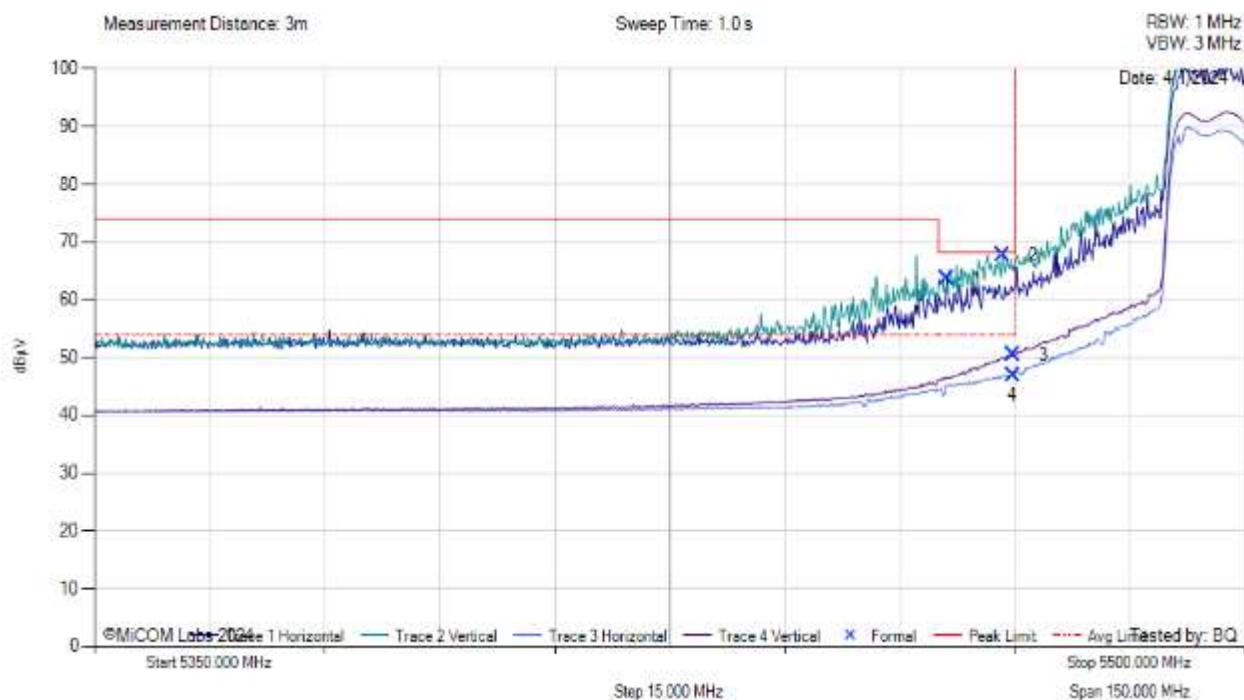
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5458.00	18.79	3.17	34.52	46.48	AVG	Horizontal	199	90	54.0	-7.5	Pass
2	5462.65	20.56	3.17	34.52	48.25	AVG	Vertical	150	119	54.0	-5.8	Pass
3	5469.10	34.52	3.11	34.52	62.15	MaxP	Horizontal	199	90	68.2	-6.1	Pass
4	5469.55	37.54	3.11	34.52	65.17	MaxP	Vertical	150	119	68.2	-3.0	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5461.15	35.95	3.18	34.52	63.65	MaxP	Horizontal	199	90	68.2	-4.6	Pass
2	5468.35	40.04	3.11	34.52	67.68	MaxP	Vertical	150	209	68.2	-0.5	Pass
3	5469.70	22.86	3.11	34.52	50.49	AVG	Vertical	199	239	54.0	-3.5	Pass
4	5469.70	19.37	3.11	34.52	47.00	AVG	Horizontal	199	90	54.0	-7.0	Pass

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Equipment Configuration for BE 5460 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	16	Tested By:	BQ

Test Measurement Results



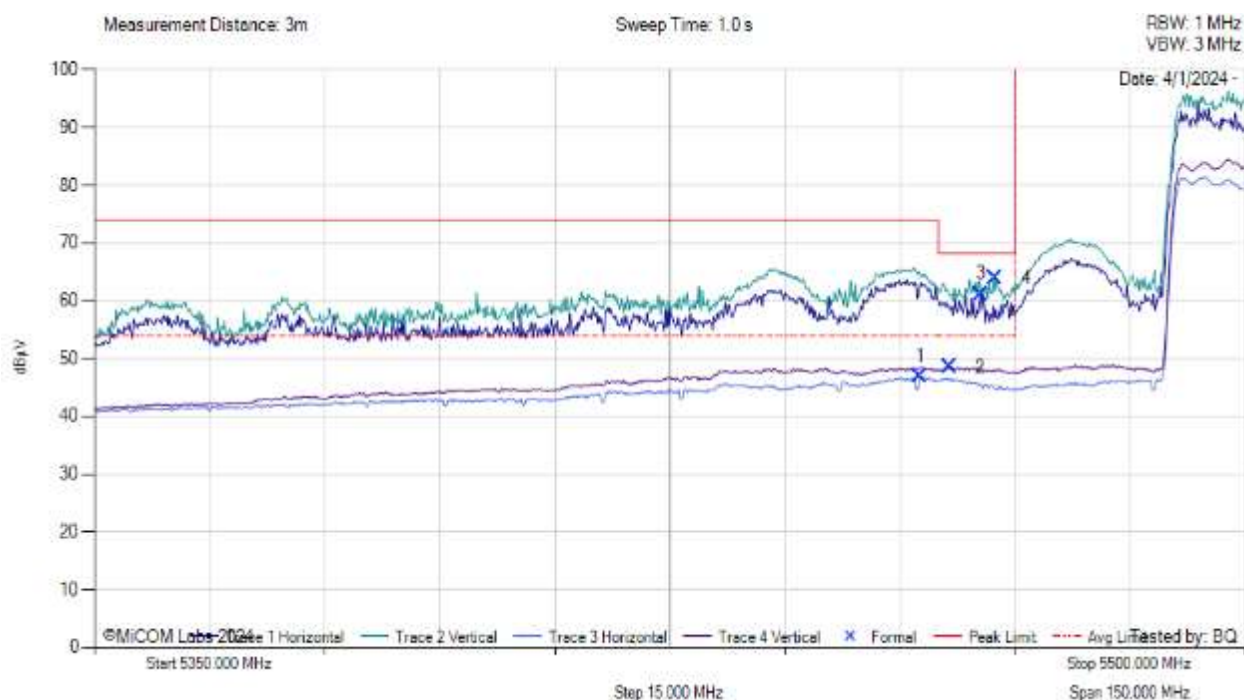
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5464.30	17.42	3.15	34.52	45.09	AVG	Horizontal	199	90	54.0	-8.9	Pass
2	5467.00	34.02	3.13	34.52	61.67	MaxP	Horizontal	150	90	68.2	-6.5	Pass
3	5467.90	38.92	3.12	34.52	66.56	MaxP	Vertical	150	119	68.2	-1.6	Pass
4	5468.65	19.74	3.11	34.52	47.38	AVG	Vertical	150	119	54.0	-6.6	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5530	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



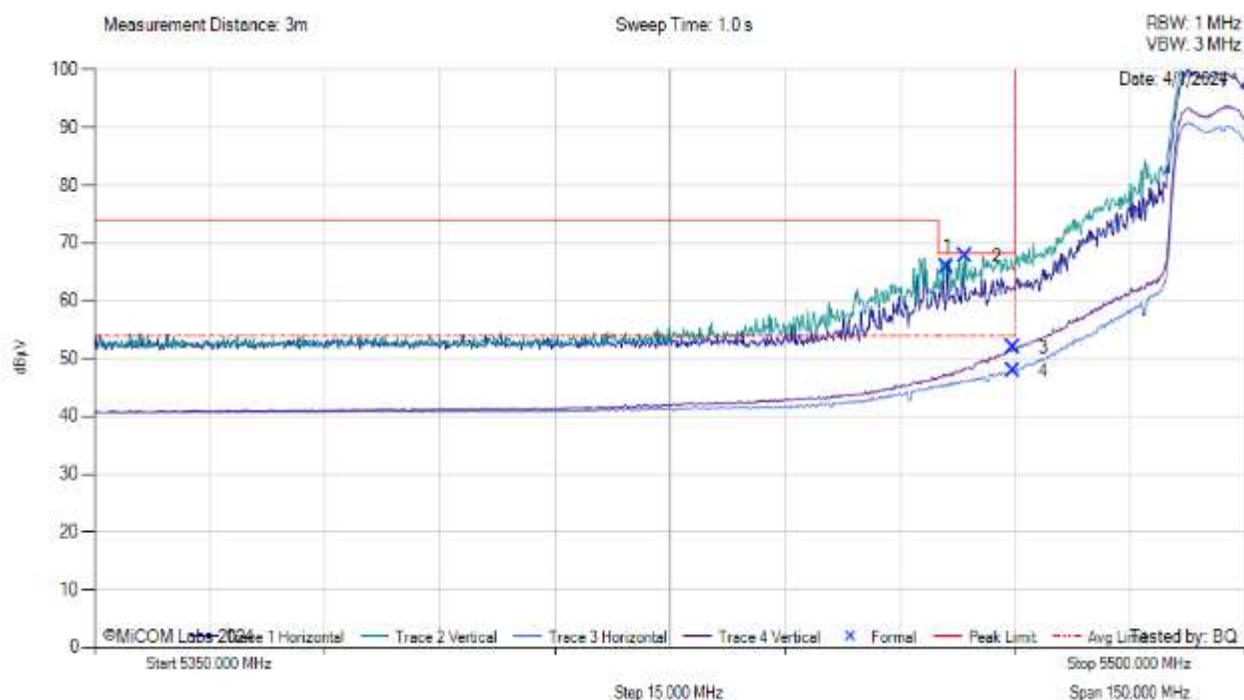
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5457.55	19.21	3.16	34.52	46.90	AVG	Horizontal	199	90	54.0	-7.1	Pass
2	5461.45	20.89	3.18	34.52	48.58	AVG	Vertical	150	119	54.0	-5.4	Pass
3	5465.50	33.50	3.14	34.52	61.16	MaxP	Horizontal	199	90	68.2	-7.0	Pass
4	5467.45	36.17	3.12	34.52	63.82	MaxP	Vertical	150	119	68.2	-4.4	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

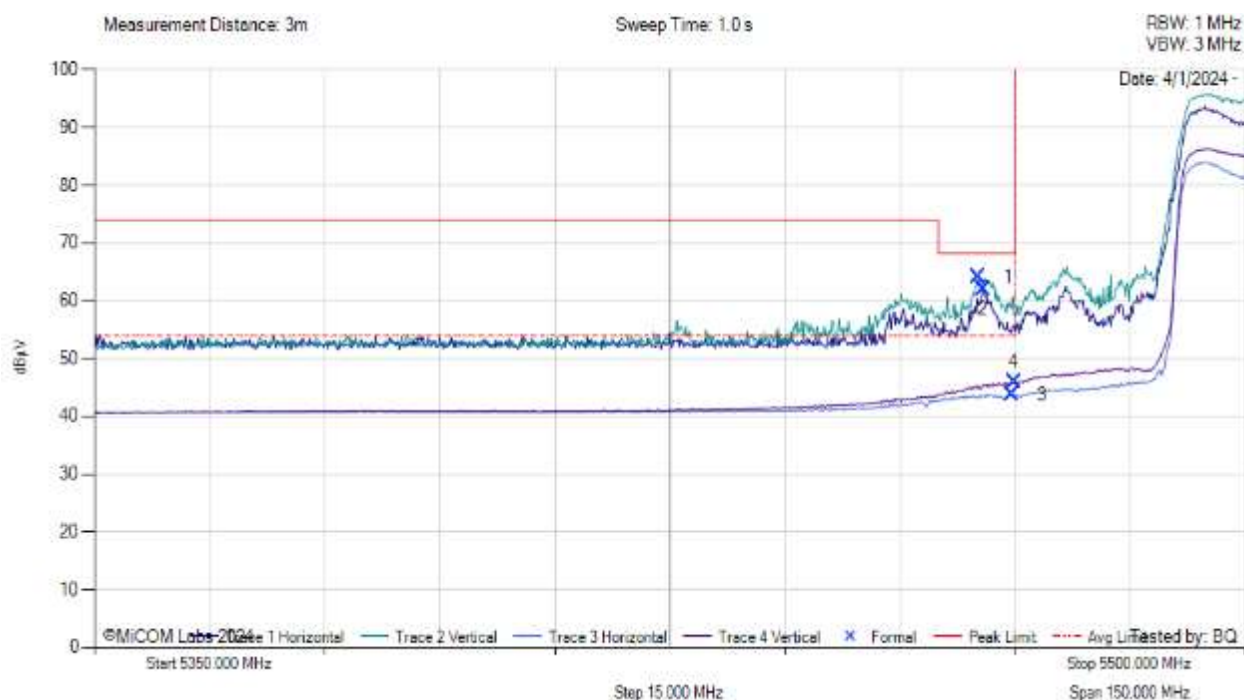
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5461.15	38.10	3.18	34.52	65.80	MaxP	Horizontal	199	90	68.2	-2.4	Pass
2	5463.55	40.00	3.16	34.52	67.68	MaxP	Vertical	150	119	68.2	-0.5	Pass
3	5469.70	24.20	3.11	34.52	51.83	AVG	Vertical	150	209	54.0	-2.2	Pass
4	5469.70	20.18	3.11	34.52	47.81	AVG	Horizontal	150	90	54.0	-6.2	Pass

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Equipment Configuration for BE 5460 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

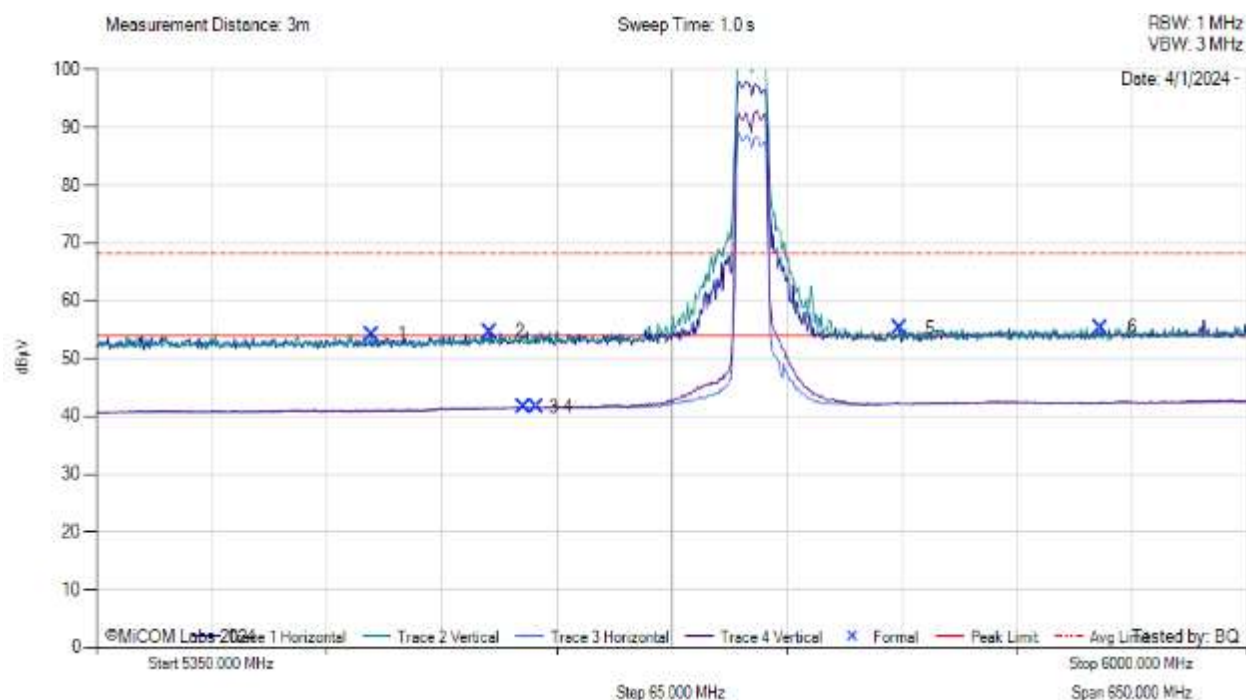
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5465.20	36.42	3.14	34.52	64.08	MaxP	Vertical	150	209	68.2	-4.1	Pass
2	5465.80	34.41	3.14	34.52	62.07	MaxP	Horizontal	199	90	68.2	-6.1	Pass
3	5469.55	16.06	3.11	34.52	43.69	AVG	Horizontal	199	90	54.0	-10.3	Pass
4	5469.85	18.35	3.11	34.52	45.98	AVG	Vertical	150	209	54.0	-8.0	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



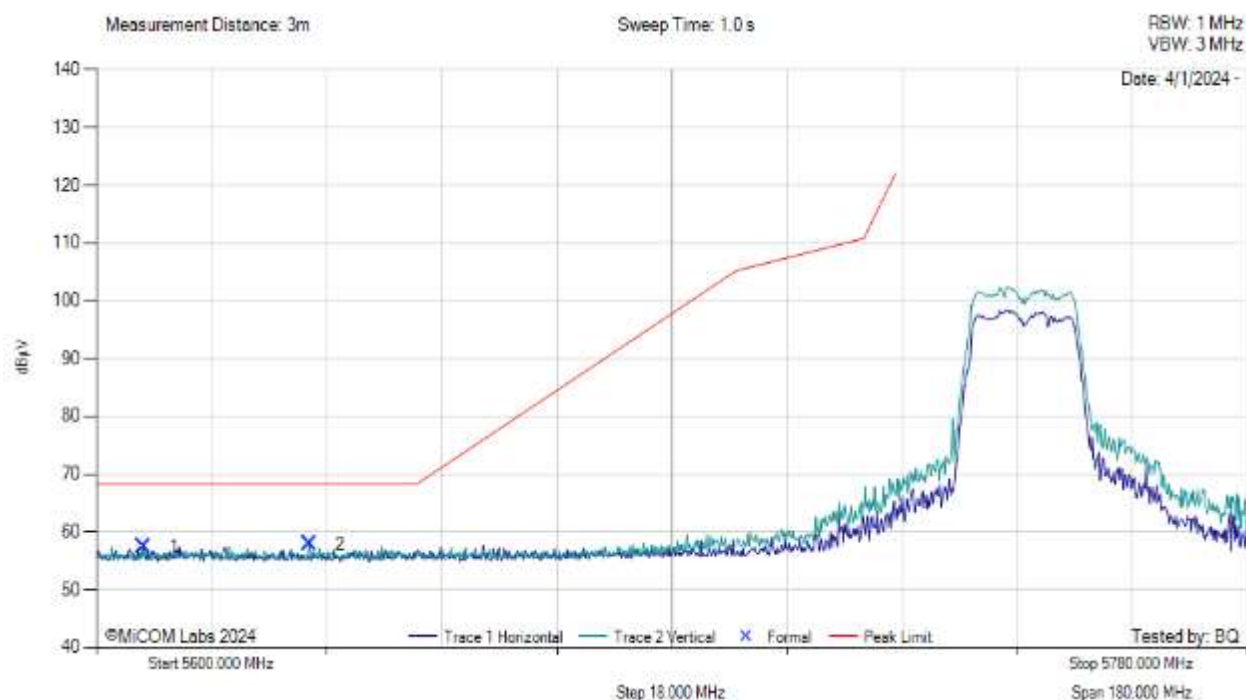
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5505.35	26.56	3.12	34.53	54.20	MaxP	Vertical	150	209	68.2	-14.0	Pass
2	5572.30	27.01	3.12	34.54	54.67	MaxP	Horizontal	150	30	68.2	-13.6	Pass
3	5591.15	13.94	3.14	34.55	41.63	AVG	Horizontal	199	330	54.0	-12.4	Pass
4	5598.95	13.93	3.12	34.55	41.60	AVG	Vertical	199	269	54.0	-12.4	Pass
5	5803.70	27.13	3.26	34.86	55.25	MaxP	Horizontal	150	90	68.2	-13.0	Pass
6	5917.45	27.09	3.20	35.08	55.38	MaxP	Vertical	199	269	68.2	-12.9	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 – 5780.00 MHz

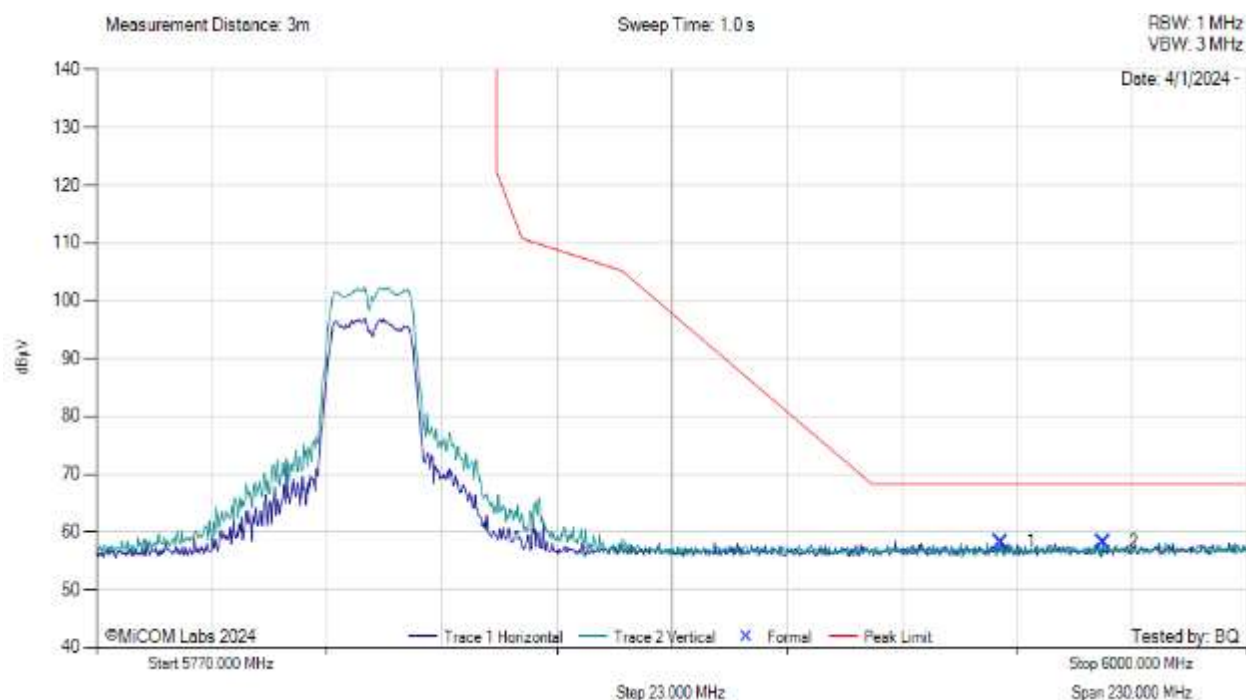
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5607.38	29.74	3.16	34.55	57.46	MaxP	Horizontal	150	120	68.2	-10.8	Pass
2	5633.30	30.11	3.14	34.58	57.82	MaxP	Vertical	199	330	68.2	-10.4	Pass

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Equipment Configuration for BE 5850 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 – 6000.00 MHz

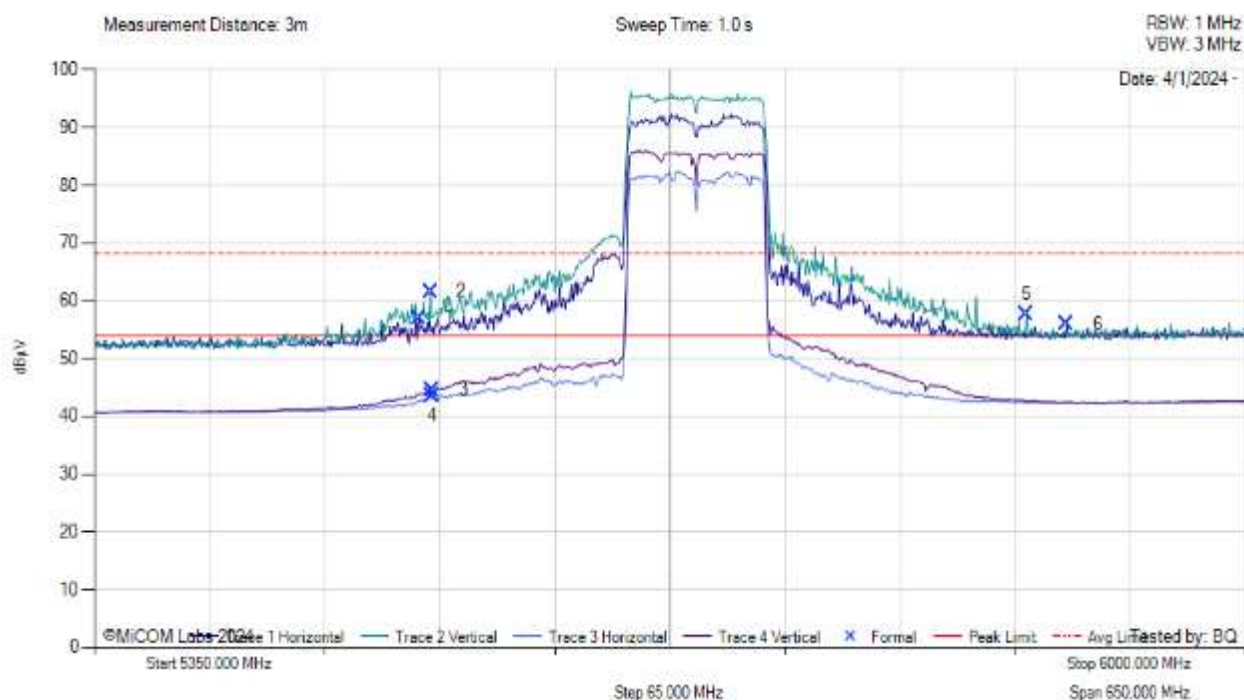
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5950.78	29.81	3.26	35.15	58.22	MaxP	Horizontal	150	180	68.2	-10.0	Pass
2	5971.25	29.82	3.23	35.19	58.24	MaxP	Vertical	150	149	68.2	-10.0	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5690	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



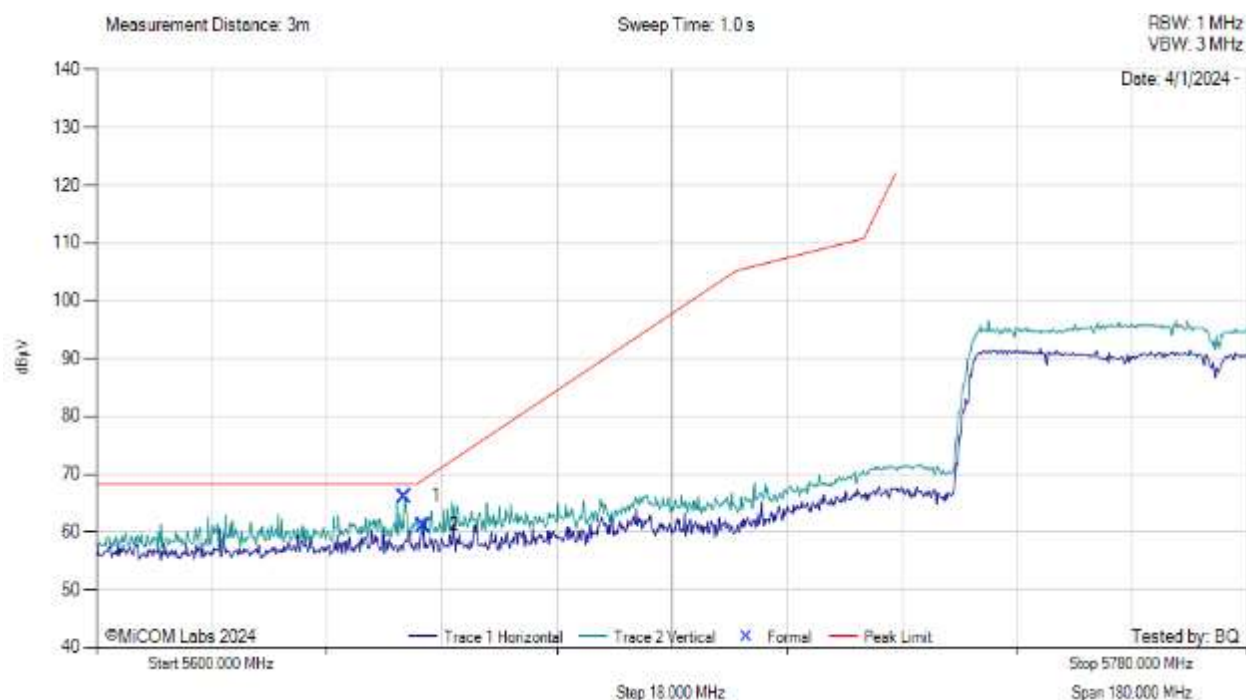
5350.00 – 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5533.30	29.47	3.08	34.54	57.09	MaxP	Horizontal	150	90	68.2	-11.1	Pass
2	5539.80	33.89	3.14	34.54	61.57	MaxP	Vertical	199	179	68.2	-6.7	Pass
3	5541.10	16.91	3.15	34.54	44.60	AVG	Vertical	199	239	54.0	-9.4	Pass
4	5541.10	15.94	3.15	34.54	43.63	AVG	Horizontal	150	90	54.0	-10.4	Pass
5	5876.50	29.43	3.23	35.01	57.66	MaxP	Vertical	199	90	68.2	-10.6	Pass
6	5899.25	27.71	3.23	35.05	55.99	MaxP	Horizontal	150	210	68.2	-12.2	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5775	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

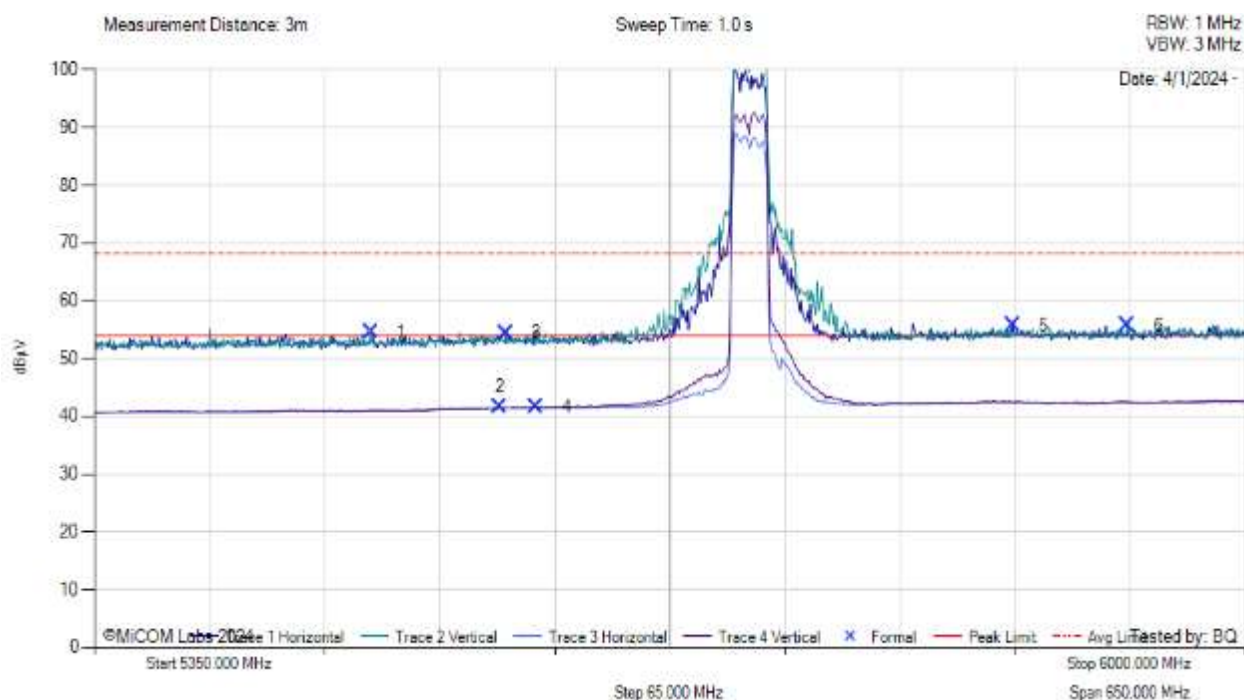
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5648.24	38.36	3.16	34.59	66.11	MaxP	Vertical	199	239	68.2	-2.1	Pass
2	5651.12	33.35	3.13	34.59	61.07	MaxP	Horizontal	199	120	69.1	-8.0	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



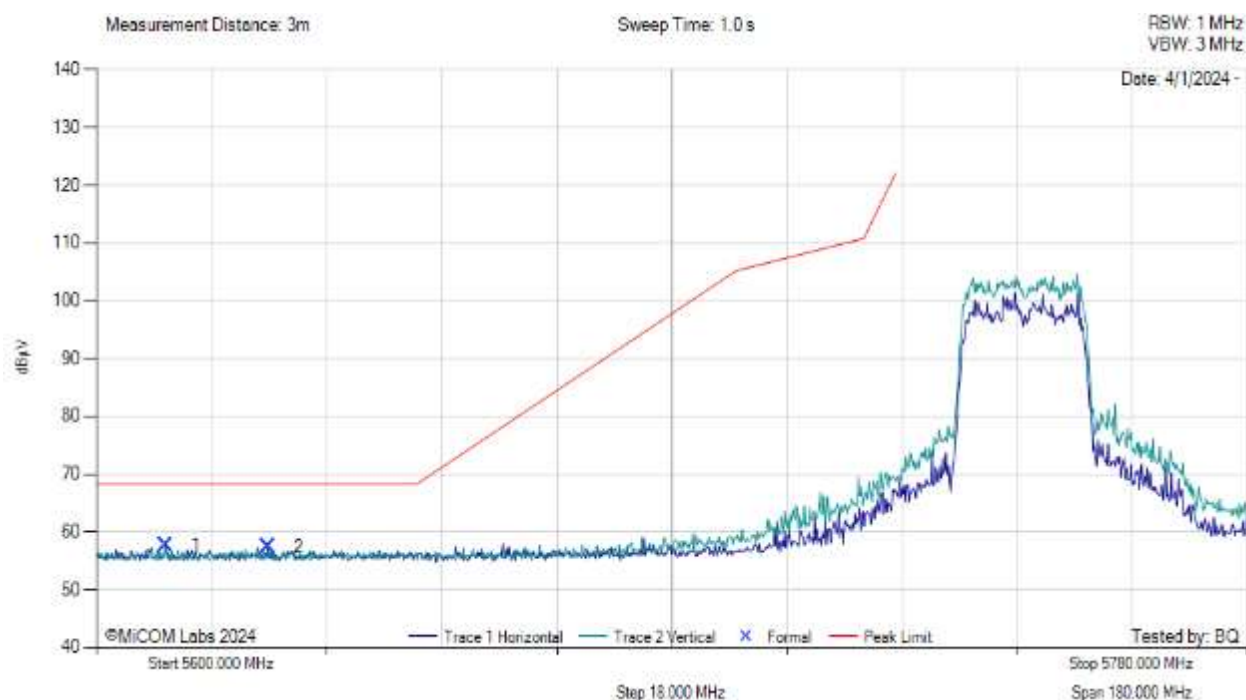
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5506.00	26.96	3.12	34.53	54.61	MaxP	Vertical	151	269	68.2	-13.6	Pass
2	5578.80	13.97	3.11	34.55	41.63	AVG	Vertical	199	149	54.0	-12.4	Pass
3	5582.70	26.76	3.13	34.55	54.43	MaxP	Horizontal	151	240	68.2	-13.8	Pass
4	5599.60	13.92	3.12	34.55	41.59	AVG	Horizontal	151	60	54.0	-12.4	Pass
5	5868.70	27.55	3.26	34.99	55.80	MaxP	Horizontal	151	210	68.2	-12.4	Pass
6	5933.70	27.26	3.30	35.11	55.68	MaxP	Vertical	199	269	68.2	-12.6	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

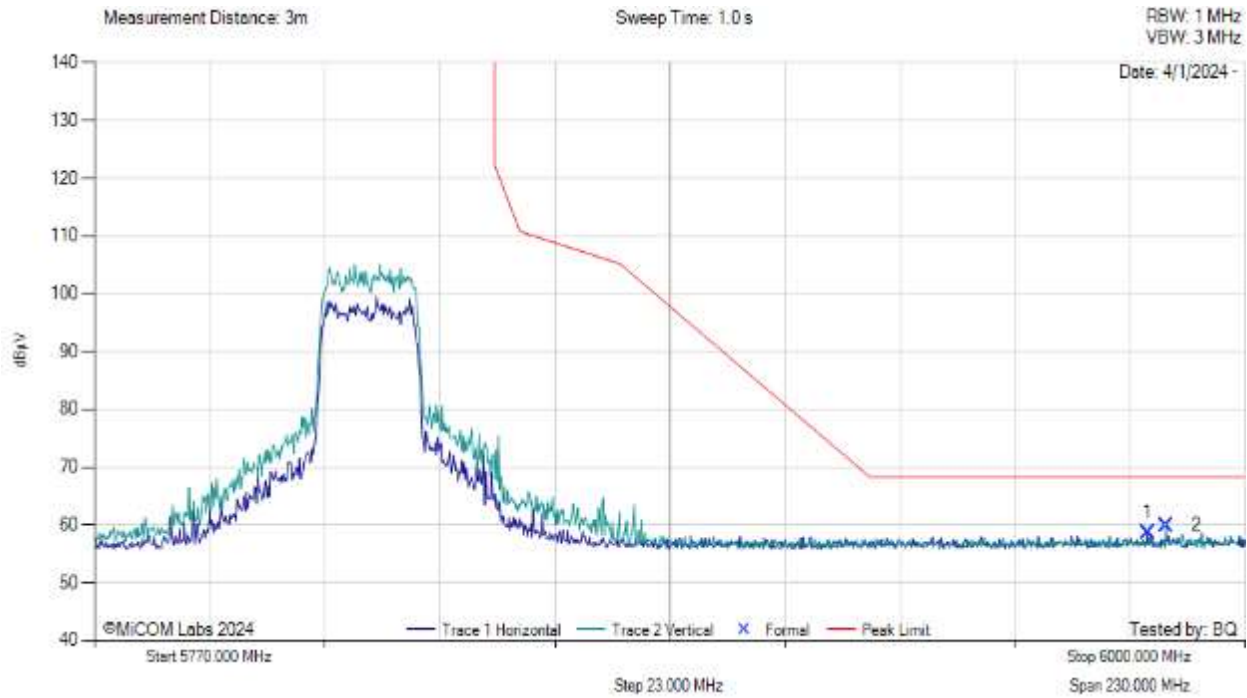
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5610.80	29.88	3.17	34.56	57.61	MaxP	Vertical	199	59	68.2	-10.6	Pass
2	5626.82	29.69	3.15	34.57	57.41	MaxP	Horizontal	199	30	68.2	-10.8	Pass

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Equipment Configuration for BE 5850 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

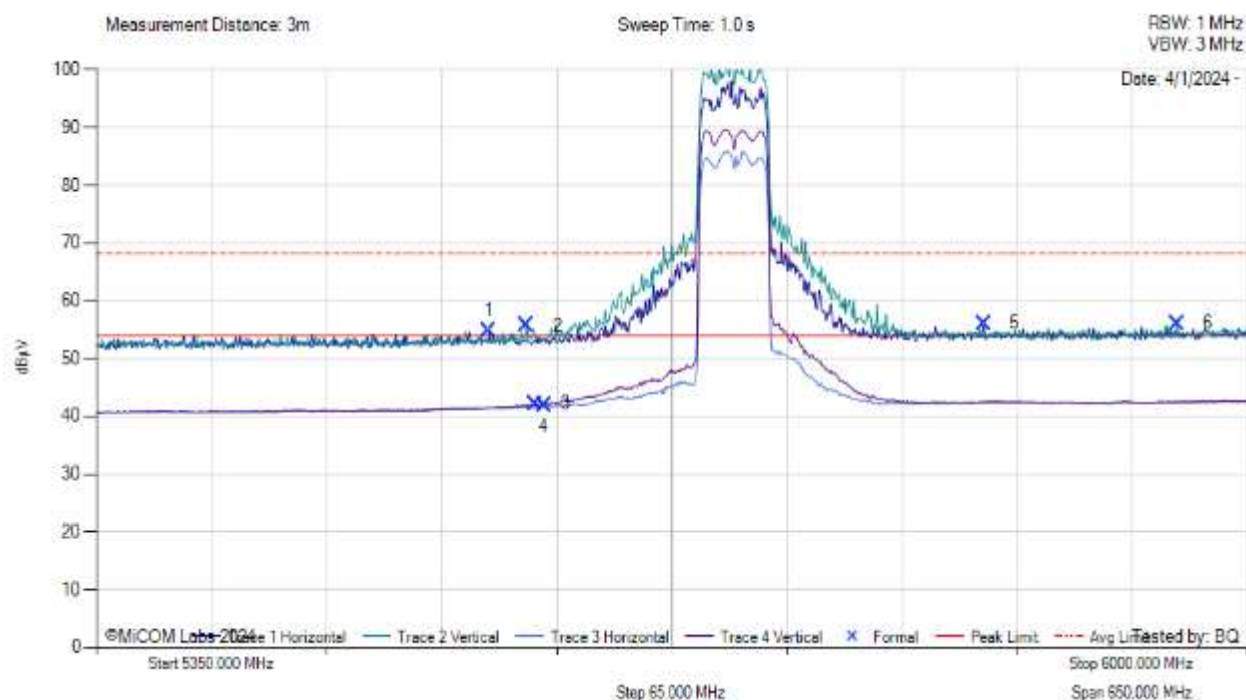
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5980.45	30.09	3.25	35.21	58.54	MaxP	Horizontal	150	120	68.2	-9.7	Pass
2	5984.13	31.42	3.26	35.22	59.90	MaxP	Vertical	199	179	68.2	-8.3	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5710	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



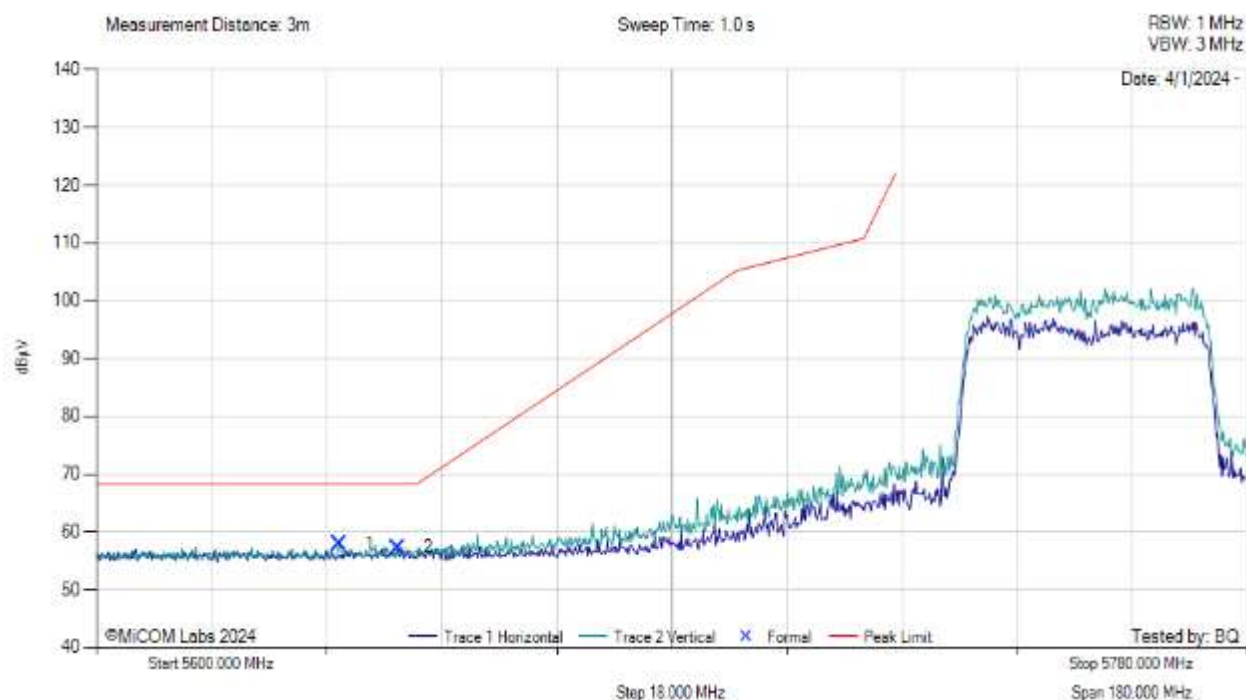
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5571.65	27.07	3.12	34.54	54.73	MaxP	Horizontal	150	90	68.2	-13.5	Pass
2	5593.10	28.03	3.14	34.55	55.71	MaxP	Vertical	199	239	68.2	-12.5	Pass
3	5597.65	14.51	3.12	34.55	42.18	AVG	Vertical	199	239	54.0	-11.8	Pass
4	5602.85	14.14	3.14	34.55	41.83	AVG	Horizontal	150	90	54.0	-12.2	Pass
5	5851.15	27.87	3.25	34.96	56.08	MaxP	Horizontal	150	180	68.2	-12.1	Pass
6	5960.35	27.71	3.24	35.17	56.12	MaxP	Vertical	199	119	68.2	-12.1	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5755	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

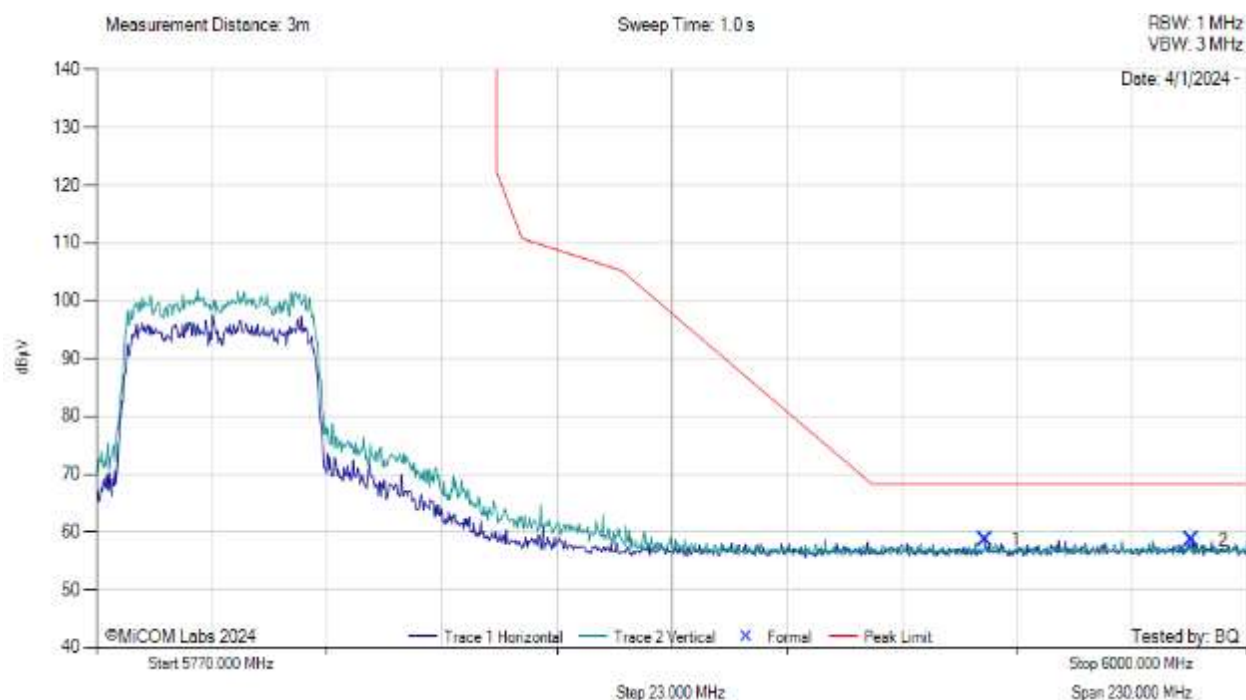
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5637.98	30.08	3.19	34.58	57.85	MaxP	Vertical	199	239	68.2	-10.4	Pass
2	5647.16	29.53	3.19	34.58	57.30	MaxP	Horizontal	150	1	68.2	-10.9	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5795	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

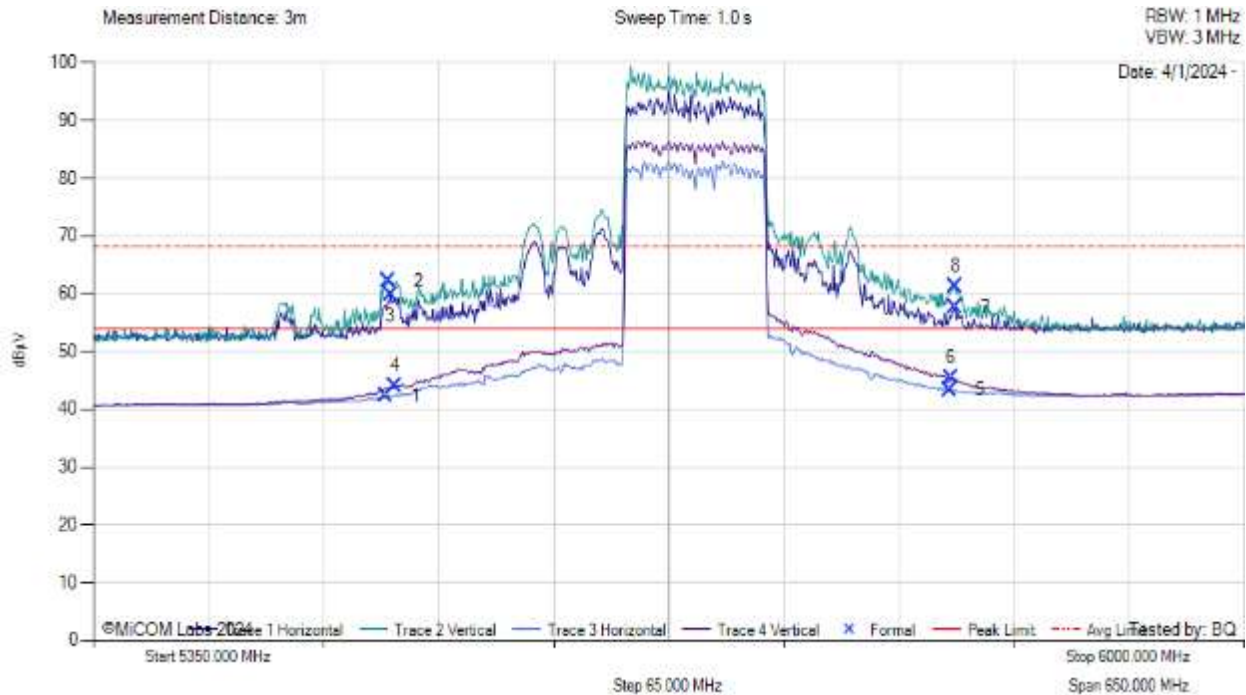
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5947.56	30.15	3.25	35.14	58.54	MaxP	Vertical	199	330	68.2	-9.7	Pass
2	5988.96	30.18	3.23	35.22	58.63	MaxP	Horizontal	199	180	68.2	-9.6	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5690	Data Rate:	MCS0
Power Setting:	018	Tested By:	BQ

Test Measurement Results



5350.00 - 6000.00 MHz

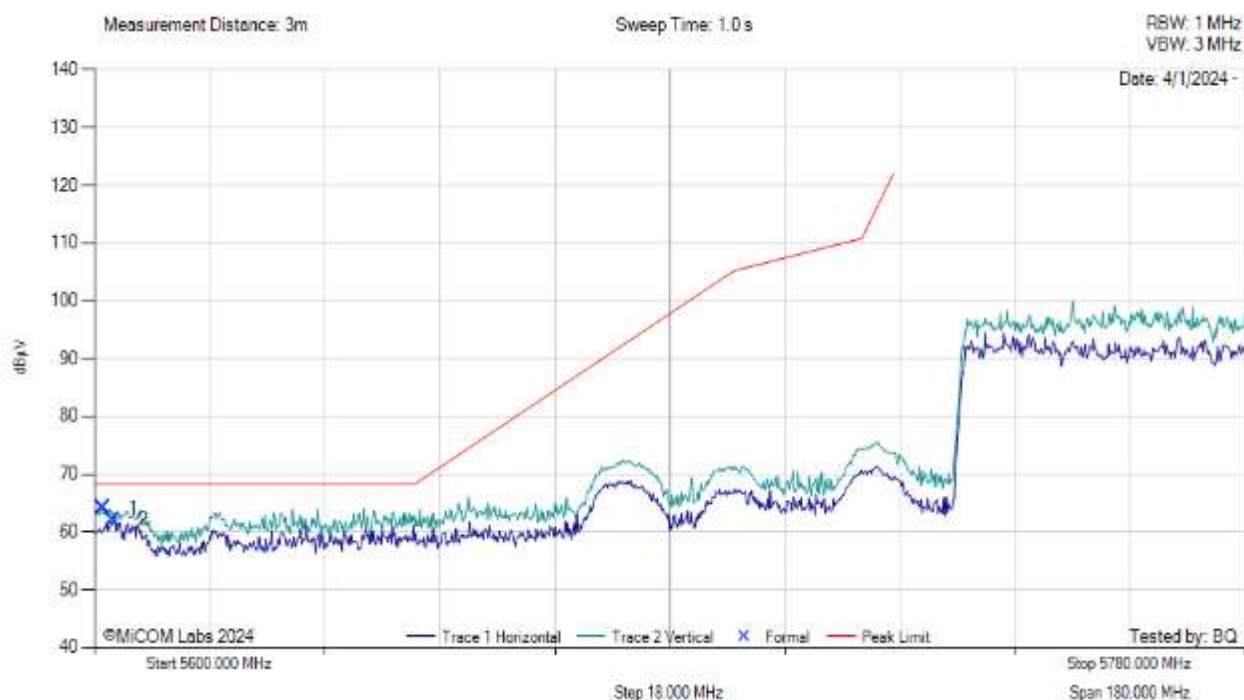
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5515.10	14.63	3.15	34.53	42.31	AVG	Horizontal	149	90	54.0	-11.7	Pass
2	5516.40	34.52	3.14	34.53	62.19	MaxP	Vertical	149	119	68.2	-6.0	Pass
3	5517.70	32.15	3.14	34.53	59.82	MaxP	Horizontal	199	90	68.2	-8.4	Pass
4	5520.30	16.31	3.13	34.53	43.97	AVG	Vertical	149	209	54.0	-10.0	Pass
5	5833.60	15.27	3.22	34.92	43.41	AVG	Horizontal	199	120	54.0	-10.6	Pass
6	5834.25	17.31	3.22	34.92	45.46	AVG	Vertical	199	239	54.0	-8.5	Pass
7	5836.85	29.57	3.21	34.93	57.71	MaxP	Horizontal	149	90	68.2	-10.5	Pass
8	5836.85	33.05	3.21	34.93	61.19	MaxP	Vertical	199	239	68.2	-7.0	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5775	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

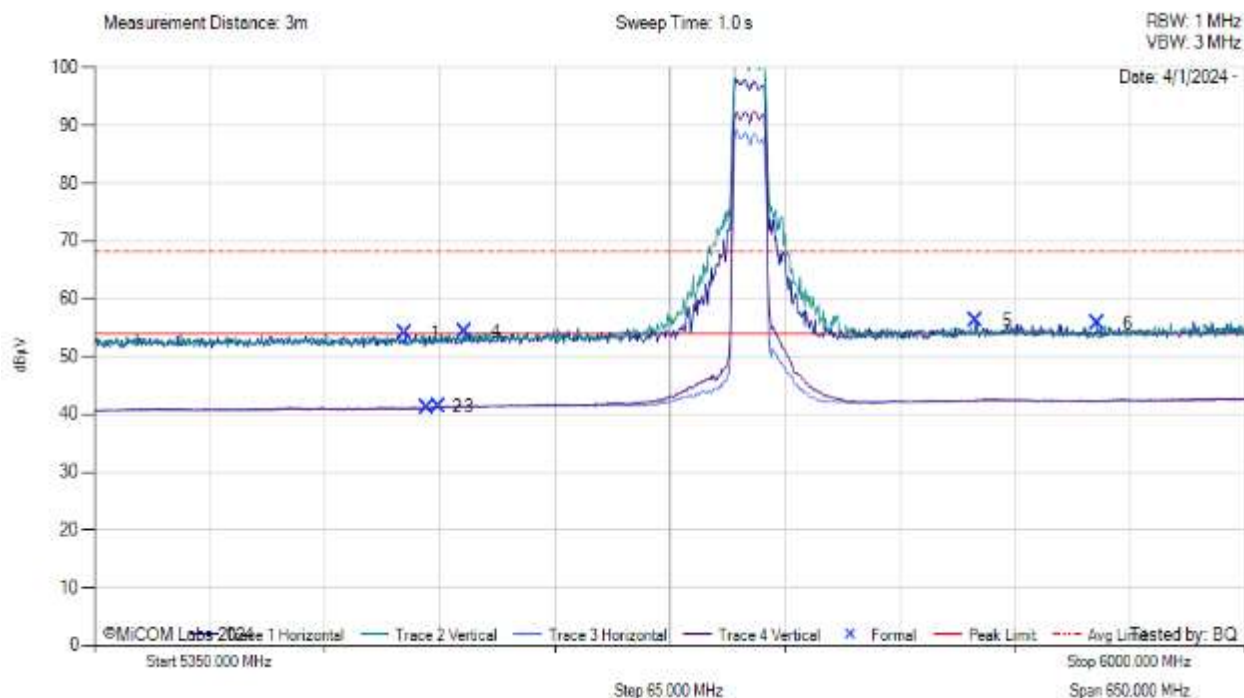
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5601.26	36.44	3.13	34.55	64.11	MaxP	Vertical	199	239	68.2	-4.1	Pass
2	5602.88	34.37	3.14	34.55	62.05	MaxP	Horizontal	150	90	68.2	-6.2	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



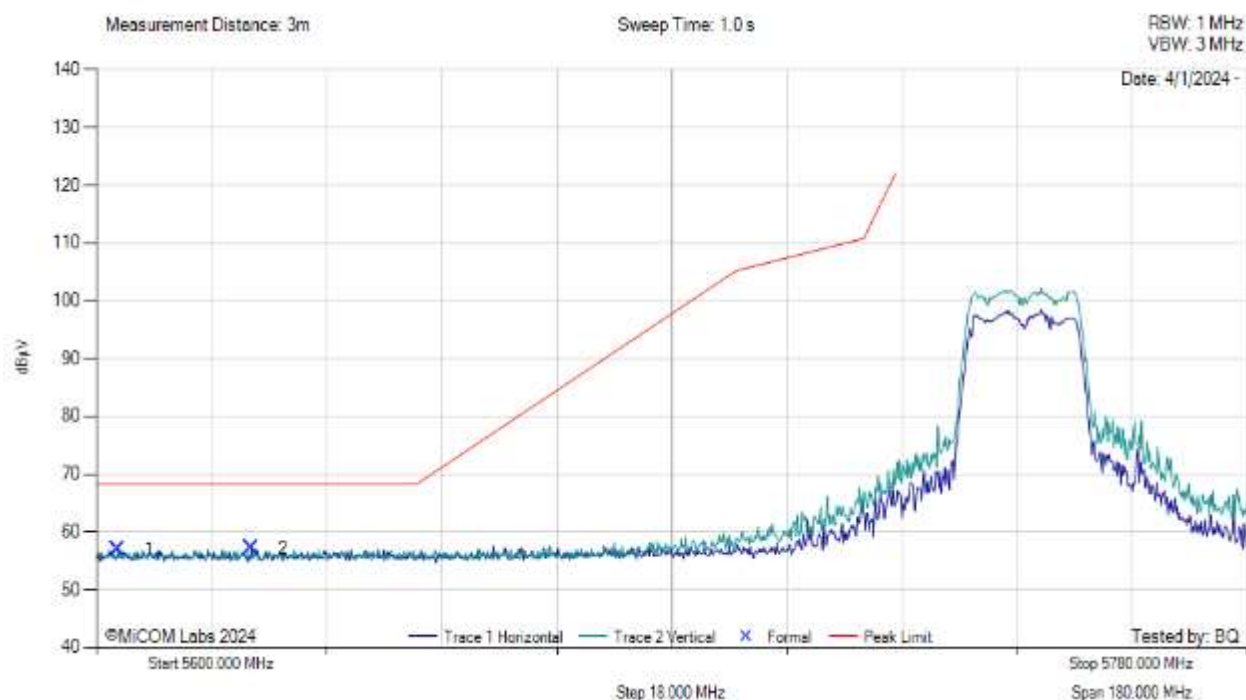
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5525.50	26.42	3.11	34.53	54.07	MaxP	Horizontal	151	120	68.2	-14.2	Pass
2	5537.85	13.59	3.11	34.54	41.24	AVG	Horizontal	199	210	54.0	-12.8	Pass
3	5544.35	13.67	3.20	34.54	41.40	AVG	Vertical	199	149	54.0	-12.6	Pass
4	5559.30	26.63	3.16	34.54	54.33	MaxP	Vertical	151	209	68.2	-13.9	Pass
5	5847.90	28.03	3.21	34.95	56.19	MaxP	Horizontal	151	300	68.2	-12.0	Pass
6	5916.15	27.39	3.20	35.08	55.67	MaxP	Vertical	199	209	68.2	-12.6	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

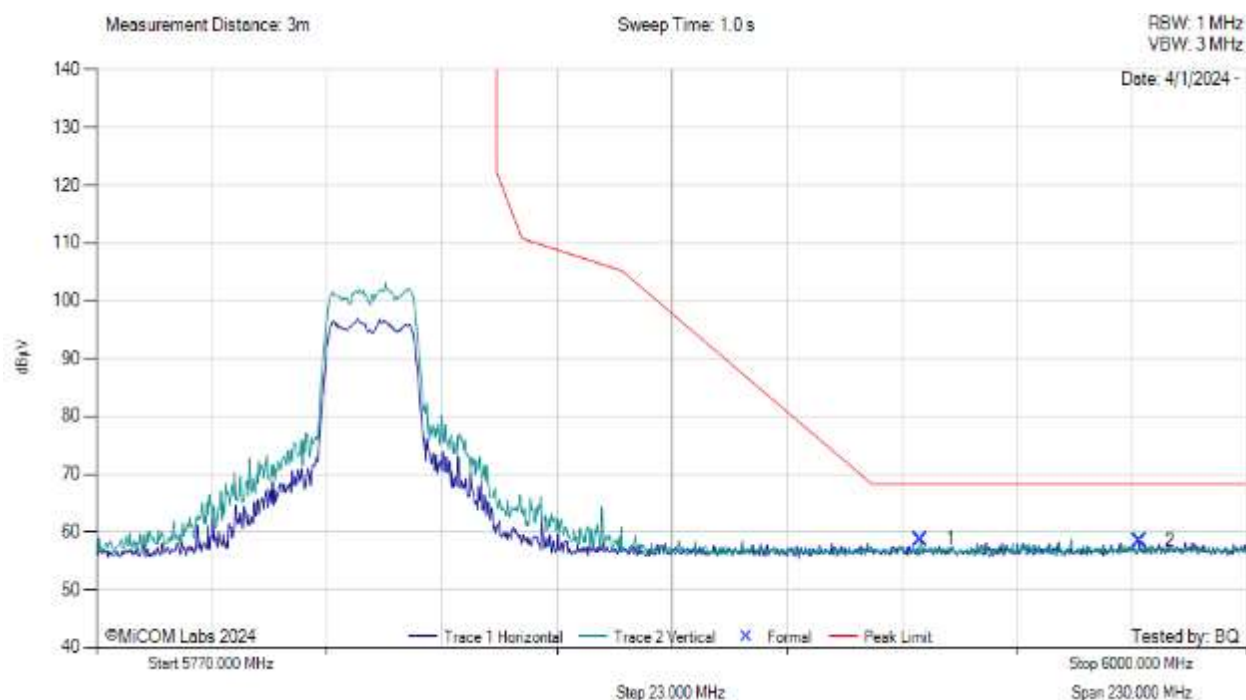
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5603.42	29.23	3.14	34.55	56.92	MaxP	Vertical	199	60	68.2	-11.3	Pass
2	5624.30	29.51	3.16	34.57	57.24	MaxP	Horizontal	199	90	68.2	-11.0	Pass

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Equipment Configuration for BE 5850 MHZ

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

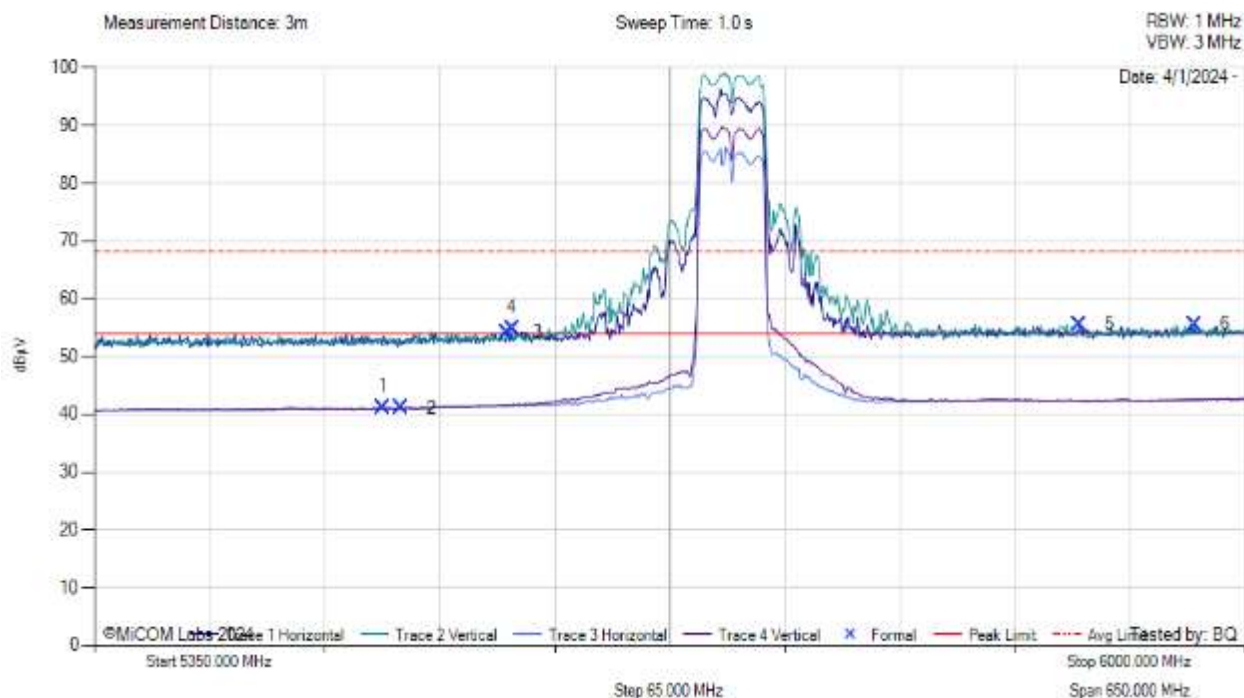
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5934.68	30.34	3.29	35.12	58.74	MaxP	Vertical	199	269	68.2	-9.5	Pass
2	5978.38	30.02	3.24	35.20	58.47	MaxP	Horizontal	199	240	68.2	-9.8	Pass

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Equipment Configuration for BE 5725 MHZ_CH144

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5710	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 6000.00 MHz

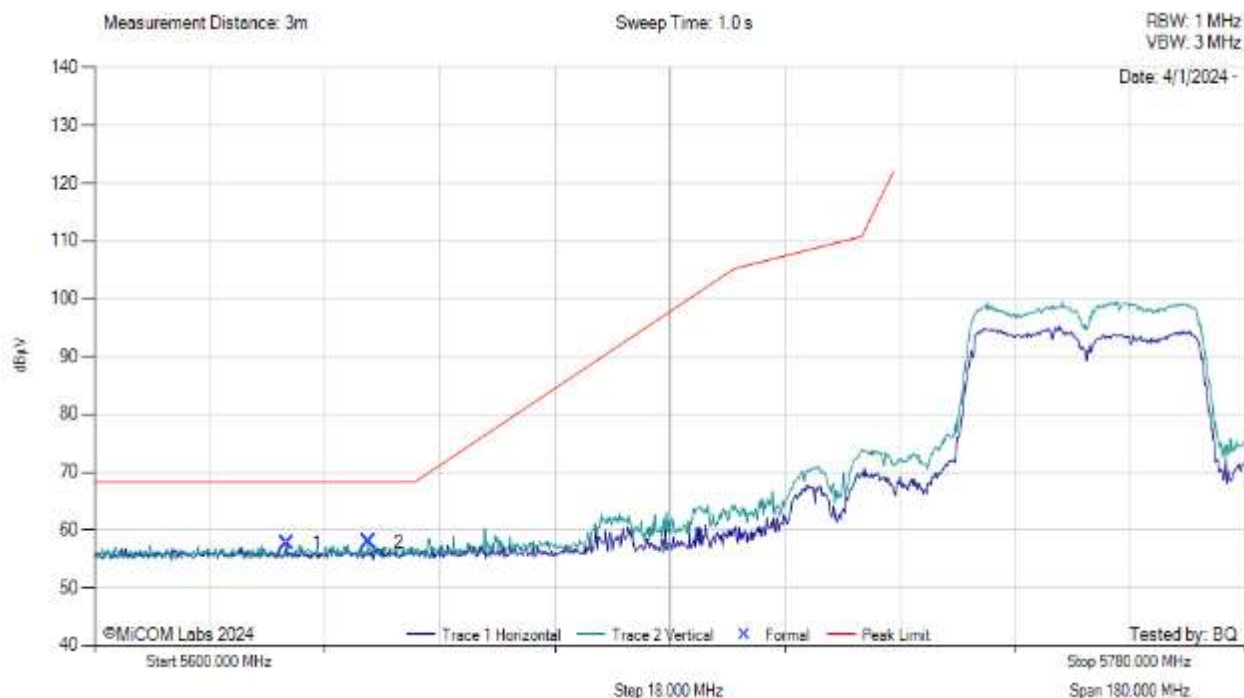
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5513.15	13.56	3.15	34.53	41.24	AVG	Vertical	149	119	54.0	-12.8	Pass
2	5522.90	13.46	3.11	34.53	41.10	AVG	Horizontal	199	90	54.0	-12.9	Pass
3	5583.35	26.49	3.13	34.55	54.17	MaxP	Horizontal	149	210	68.2	-14.1	Pass
4	5585.95	27.18	3.14	34.55	54.87	MaxP	Vertical	199	89	68.2	-13.4	Pass
5	5906.40	27.36	3.19	35.06	55.60	MaxP	Horizontal	199	300	68.2	-12.6	Pass
6	5971.40	27.20	3.23	35.19	55.62	MaxP	Vertical	149	119	68.2	-12.6	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5755	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

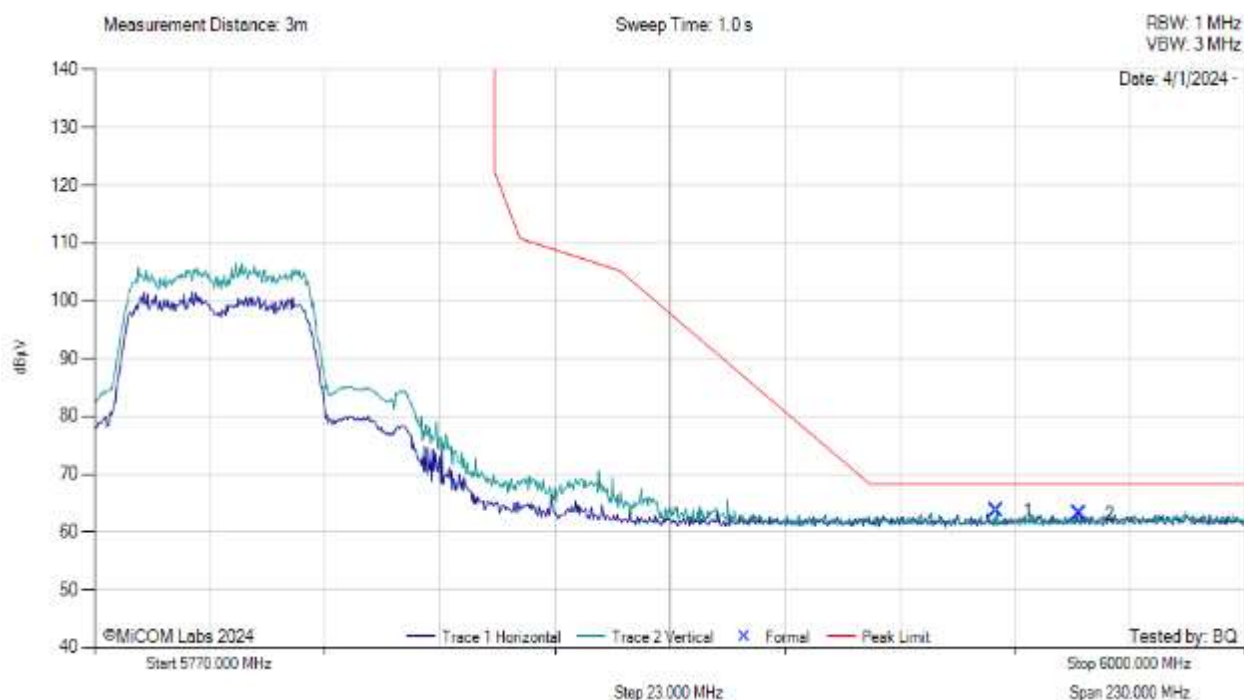
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5630.06	30.00	3.14	34.57	57.71	MaxP	Horizontal	199	0	68.2	-10.5	Pass
2	5642.84	30.12	3.22	34.58	57.92	MaxP	Vertical	199	239	68.2	-10.3	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Linx ANT-DB1-RAF-RPS	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5795	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5950.32	35.24	3.26	35.15	63.65	MaxP	Vertical	150	29	68.2	-4.6	Pass
2	5966.88	34.79	3.23	35.18	63.20	MaxP	Horizontal	199	300	68.2	-5.0	Pass

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9.1.2.4. Taoglas FXP831.07.0100C

9.1.2.4.1. U-NII-1

CC93		Band-Edge Freq	Limit 74.0dBμV/m	Limit 54.0dBμV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBμV/m	dBμV/m	
802.11a	5180.00	5150.00	60.46	43.65	18
802.11ac VHT80	5210.00	5150.00	67.23	49.15	18
802.11ax HE20	5180.00	5150.00	66.70	45.73	18
802.11ax HE40	5190.00	5150.00	56.45	43.65	15
802.11n HT20	5180.00	5150.00	64.09	45.26	18
802.11n HT40	5190.00	5150.00	68.00	46.88	18

9.1.2.4.2. U-NII-2A

CC93		Band-Edge Freq	Limit 74.0dBμV/m	Limit 54.0dBμV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBμV/m	dBμV/m	
802.11a	5320.00	5350.00	61.92	42.41	18
802.11ac VHT80	5290.00	5350.00	63.86	45.35	18
802.11ax HE20	5320.00	5350.00	64.35	43.51	16
802.11ax HE40	5310.00	5350.00	65.71	46.43	18
802.11n HT20	5320.00	5350.00	62.31	42.95	18
802.11n HT40	5310.00	5350.00	65.86	45.08	18

9.1.2.4.3. U-NII-2C

CC93		Band-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5500.00	5470.00	63.39	48.03	18
802.11ac VHT20	5500.00	5470.00	64.14	48.73	18
802.11ac VHT40	5510.00	5470.00	66.53	49.27	17
802.11ac VHT80	5530.00	5470.00	67.06	52.38	18
802.11ax HE20	5500.00	5470.00	65.44	50.51	18
802.11ax HE40	5510.00	5470.00	65.05	50.70	16
802.11ax HE80	5530.00	5470.00	64.96	48.22	17
802.11n HT20	5500.00	5470.00	65.89	51.65	18
802.11n HT40	5510.00	5470.00	66.65	49.22	17

9.1.2.4.4. U-NII-3

CC93		Band-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5720.00	5725.00	56.04	41.75	18
802.11a	5745.00	5725.00	59.07	57.89	18
802.11a	5825.00	5725.00	61.53	60.90	18
802.11ac VHT80	5690.00	5725.00	58.27	44.64	18
802.11ac VHT80	5775.00	5850.00	61.67	61.32	18
802.11ax HE20	5720.00	5725.00	56.29	42.59	18
802.11ax HE20	5745.00	5725.00	55.72	55.26	18
802.11ax HE20	5825.00	5850.00	59.50	58.21	18
802.11ax HE40	5710.00	5725.00	57.94	42.78	18
802.11ax HE40	5755.00	5725.00	58.42	57.65	18
802.11ax HE40	5795.00	5850.00	64.47	64.32	18
802.11ax HE80	5690.00	5725.00	58.70	41.10	18
802.11ax HE80	5775.00	5850.00	59.16	58.72	18
802.11n HT20	5720.00	5725.00	56.42	42.48	18
802.11n HT20	5745.00	5725.00	59.32	57.94	18
802.11n HT20	5825.00	5850.00	61.71	61.57	18
802.11n HT40	5710.00	5725.00	63.81	49.71	18
802.11n HT40	5755.00	5725.00	58.86	58.82	18
802.11n HT40	5795.00	5850.00	62.39	60.65	18

Equipment Configuration for BE 5150 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



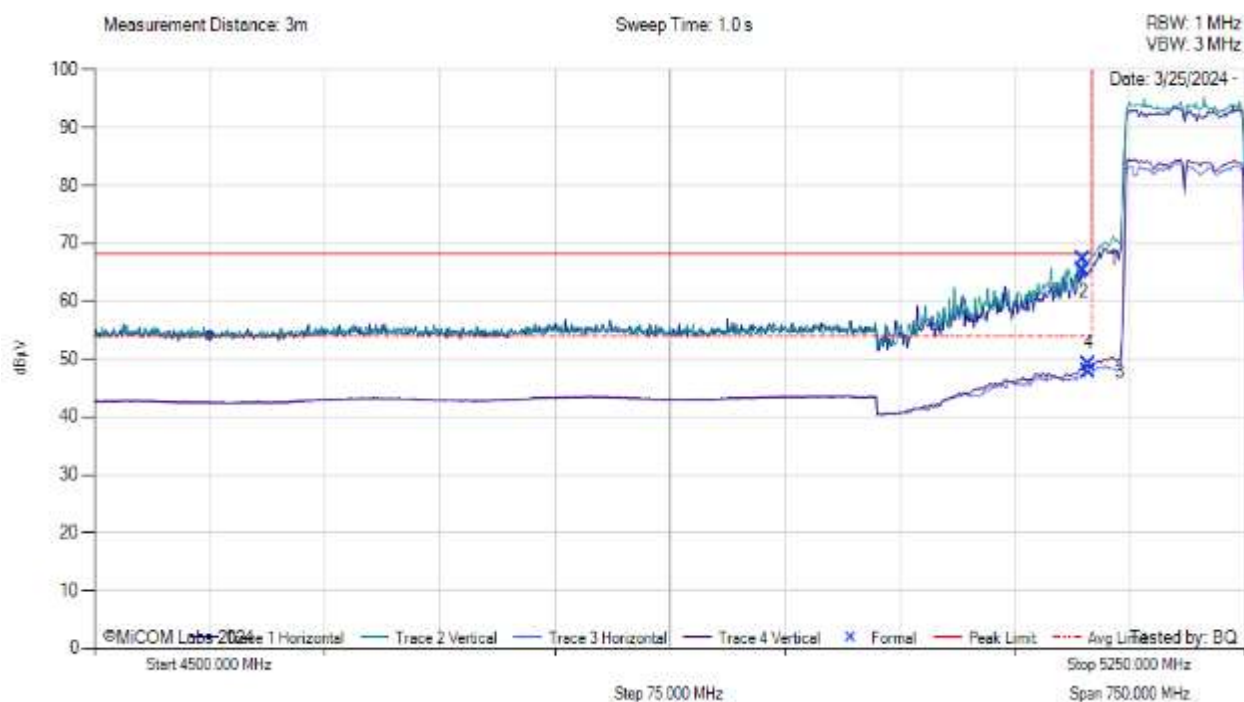
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4964.25	16.72	2.92	34.01	43.65	AVG	Vertical	199	209	54.0	-10.4	Pass
2	4989.00	16.52	3.09	34.02	43.63	AVG	Horizontal	199	210	54.0	-10.4	Pass
3	5149.50	33.27	3.05	34.14	60.46	MaxP	Horizontal	149	180	68.2	-7.7	Pass
4	5149.50	33.24	3.05	34.14	60.42	MaxP	Vertical	151	0	68.2	-9.5	Pass

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Equipment Configuration for BE 5150 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5210	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



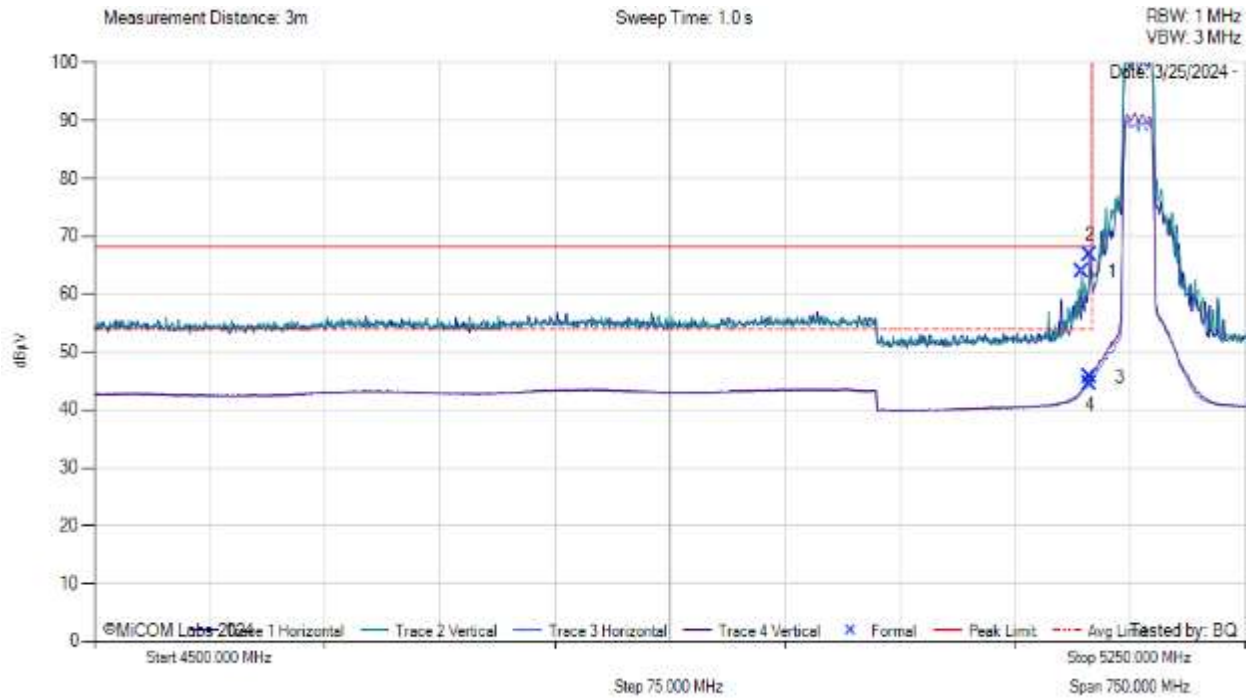
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.25	39.99	3.11	34.13	67.23	MaxP	Vertical	150	0	68.2	-1.0	Pass
2	5144.25	38.11	3.11	34.13	65.35	MaxP	Horizontal	150	240	68.2	-2.8	Pass
3	5148.00	20.69	3.06	34.14	47.89	AVG	Horizontal	150	180	54.0	-6.1	Pass
4	5148.00	21.95	3.06	34.14	49.15	AVG	Vertical	150	0	54.0	-4.8	Pass

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Equipment Configuration for BE 5150 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



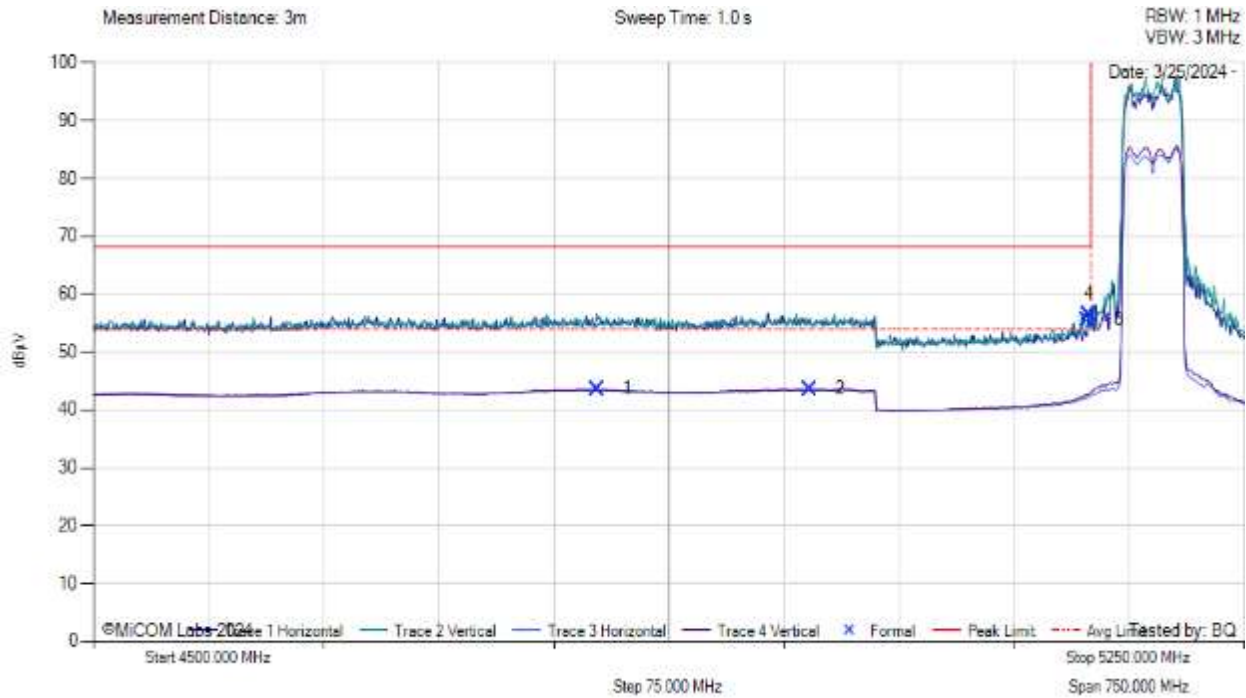
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5143.50	36.68	3.12	34.13	63.93	MaxP	Vertical	150	0	68.2	-9.6	Pass
2	5148.75	39.50	3.06	34.14	66.70	MaxP	Horizontal	150	240	68.2	-1.5	Pass
3	5148.75	18.54	3.06	34.14	45.73	AVG	Vertical	150	0	54.0	-8.3	Pass
4	5148.75	17.34	3.06	34.14	44.53	AVG	Horizontal	150	180	54.0	-9.5	Pass

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Equipment Configuration for BE 5150 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5190	Data Rate:	MCS0
Power Setting:	15	Tested By:	BQ

Test Measurement Results



4500.00 - 5250.00 MHz

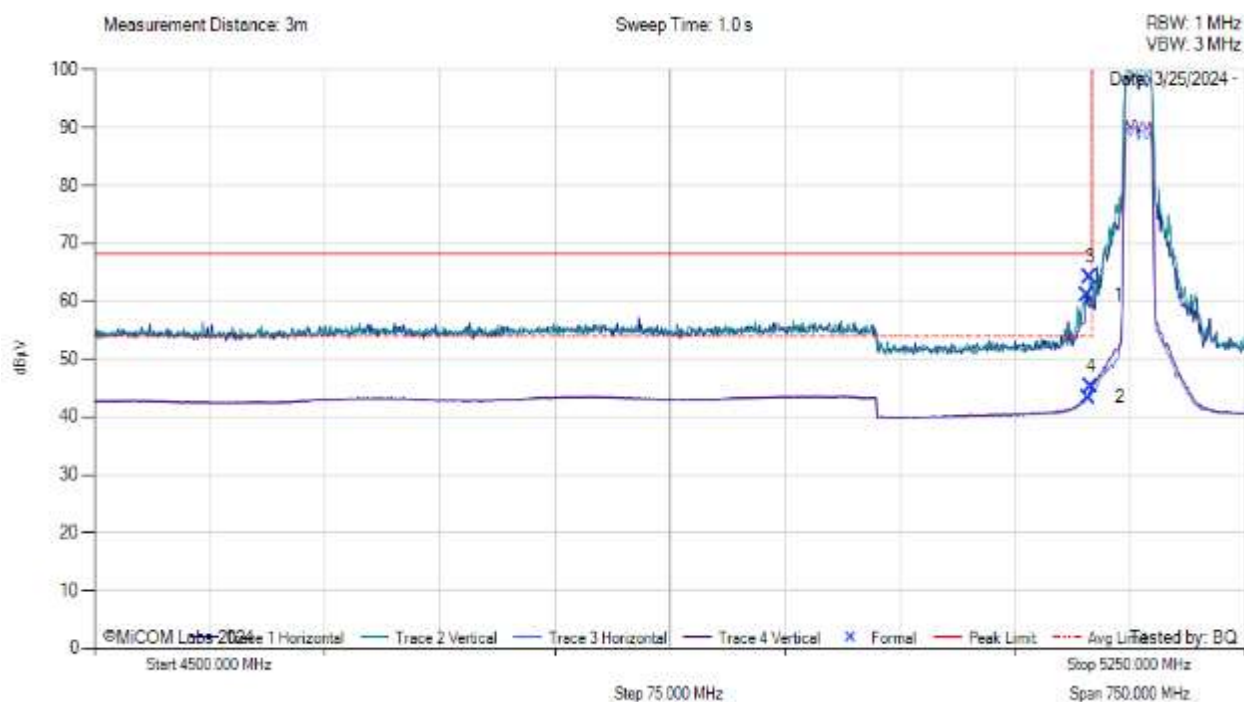
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4828.50	16.72	2.92	34.00	43.64	AVG	Vertical	199	330	54.0	-10.4	Pass
2	4966.50	16.70	2.93	34.01	43.65	AVG	Horizontal	199	270	54.0	-10.4	Pass
3	5148.00	28.41	3.06	34.14	55.61	MaxP	Horizontal	150	180	68.2	-12.6	Pass
4	5148.75	29.25	3.06	34.14	56.45	MaxP	Vertical	150	0	68.2	-11.8	Pass

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Equipment Configuration for BE 5150 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5180	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



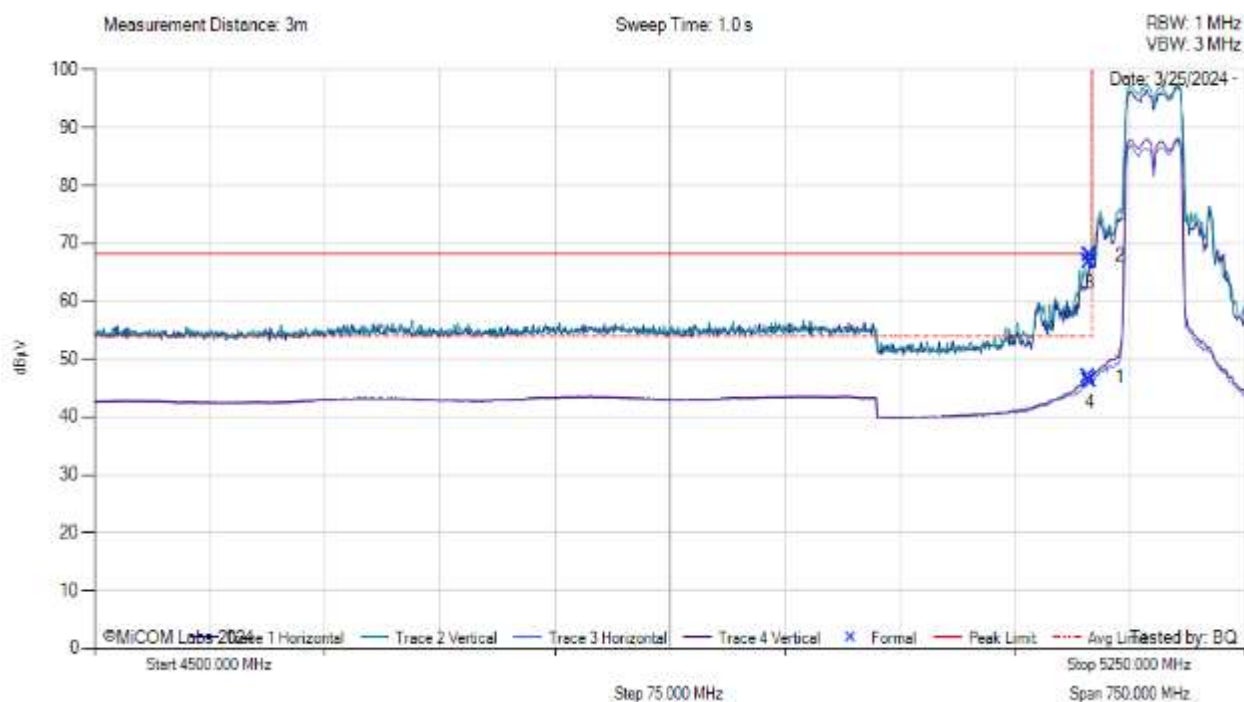
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.25	33.77	3.07	34.14	60.98	MaxP	Horizontal	199	180	68.2	-7.2	Pass
2	5148.00	16.20	3.06	34.14	43.40	AVG	Horizontal	150	240	54.0	-10.6	Pass
3	5148.75	36.90	3.06	34.14	64.09	MaxP	Vertical	150	0	68.2	-4.1	Pass
4	5149.50	18.07	3.05	34.14	45.26	AVG	Vertical	150	0	54.0	-8.7	Pass

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Equipment Configuration for BE 5150 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5190	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



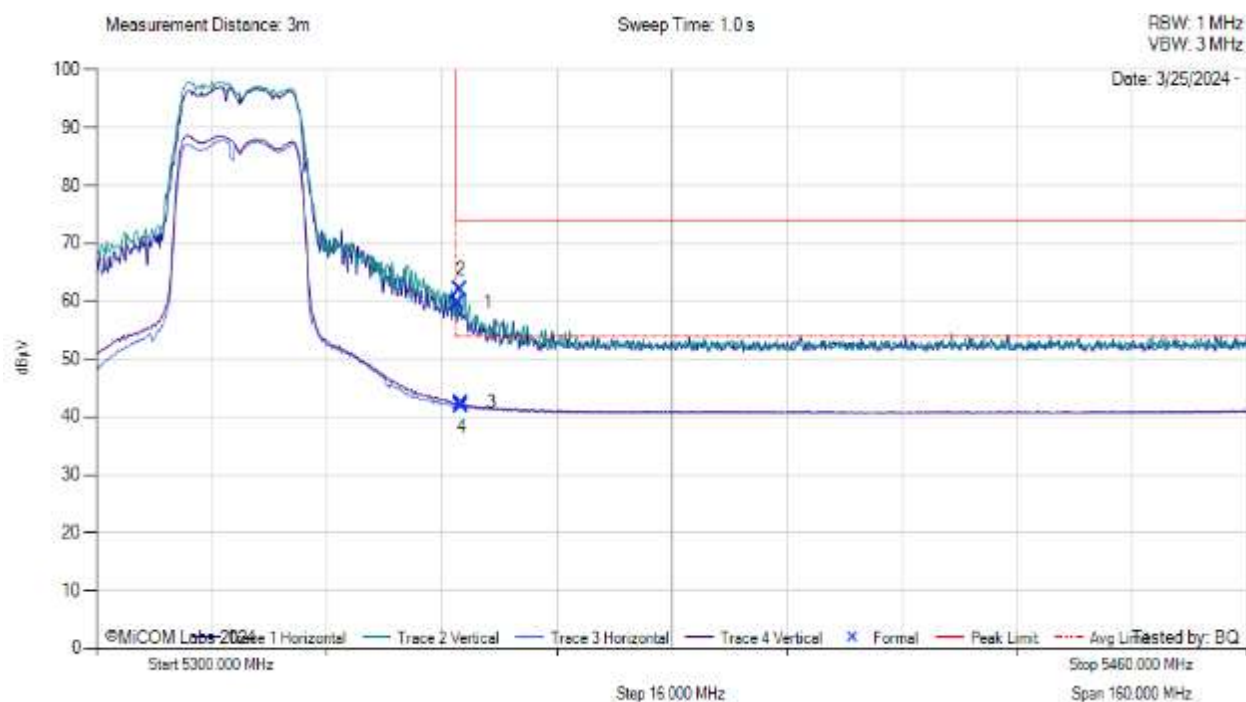
4500.00 - 5250.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5148.00	19.68	3.06	34.14	46.88	AVG	Vertical	150	0	54.0	-7.1	Pass
2	5148.75	40.81	3.06	34.14	68.00	MaxP	Vertical	150	0	68.2	-0.2	Pass
3	5148.75	39.51	3.06	34.14	66.70	MaxP	Horizontal	150	240	68.2	-1.5	Pass
4	5148.75	19.02	3.06	34.14	46.21	AVG	Horizontal	150	240	54.0	-7.8	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



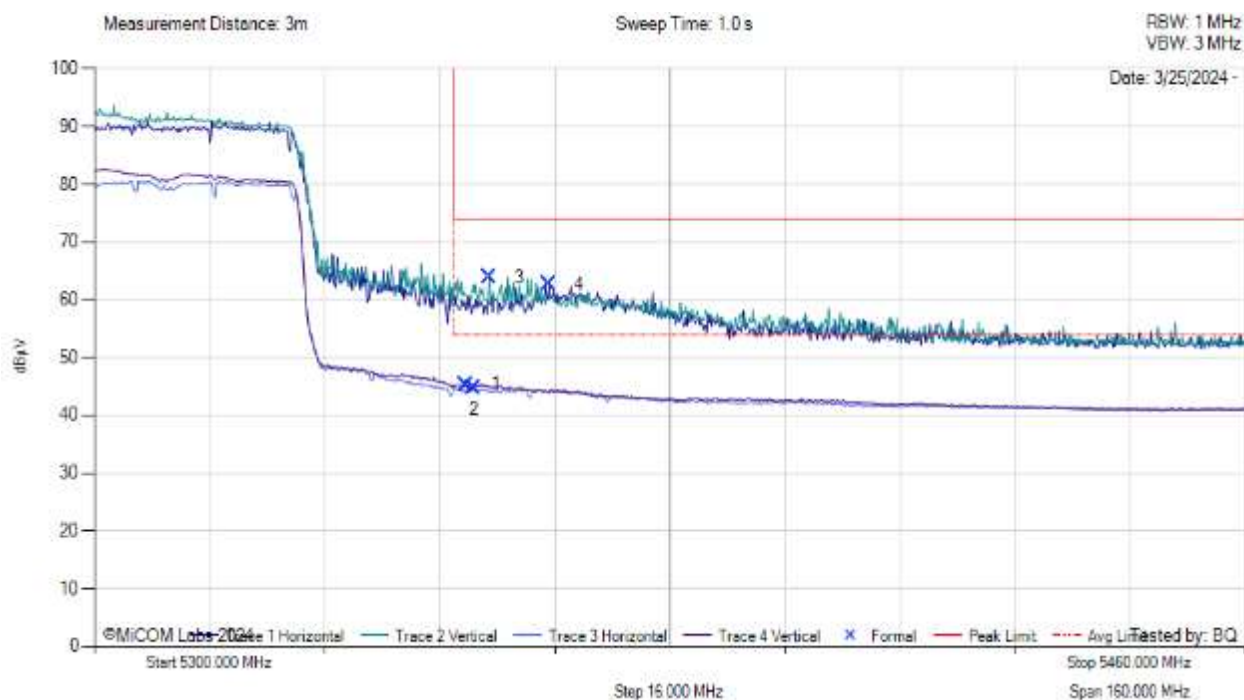
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.24	32.21	3.03	34.45	59.68	MaxP	Horizontal	150	120	74.0	-14.3	Pass
2	5350.56	34.44	3.03	34.45	61.92	MaxP	Vertical	151	0	74.0	-12.1	Pass
3	5350.72	14.93	3.03	34.45	42.41	AVG	Vertical	150	0	54.0	-11.6	Pass
4	5350.72	14.41	3.03	34.45	41.88	AVG	Horizontal	150	180	54.0	-12.1	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5290	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



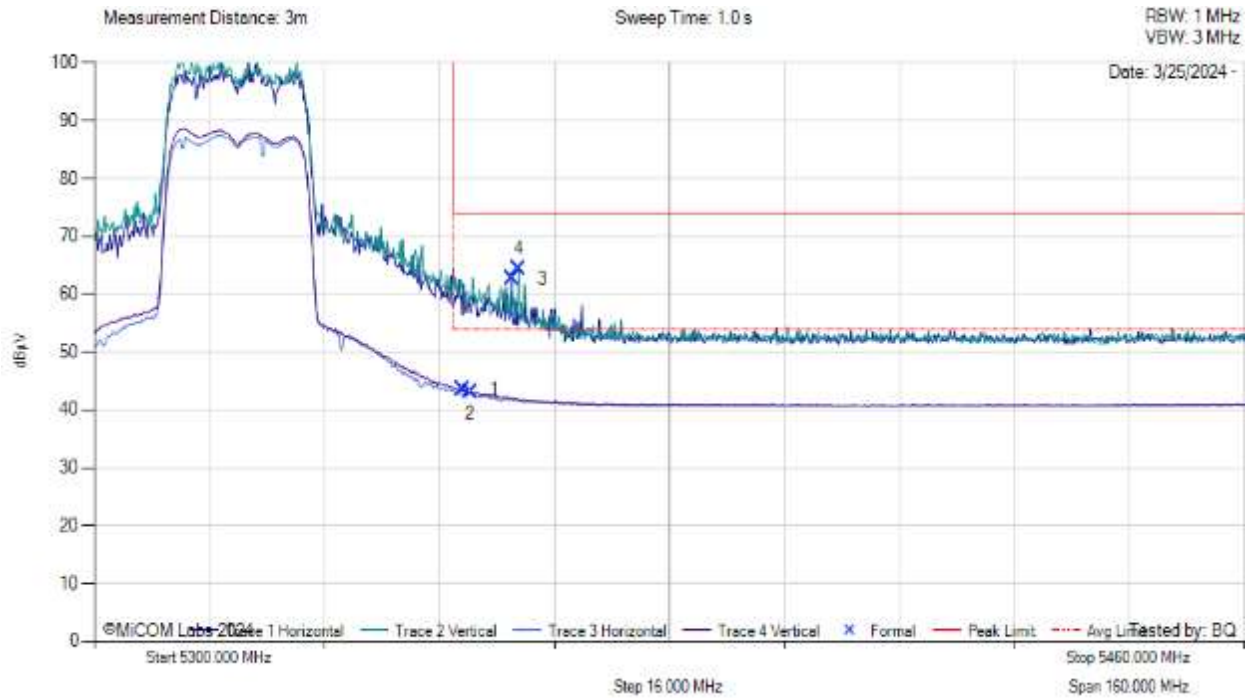
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5351.68	17.87	3.03	34.45	45.35	AVG	Vertical	150	0	54.0	-8.6	Pass
2	5352.80	17.27	3.03	34.45	44.75	AVG	Horizontal	150	180	54.0	-9.2	Pass
3	5354.88	36.37	3.04	34.45	63.86	MaxP	Vertical	150	0	74.0	-10.1	Pass
4	5363.20	35.19	3.08	34.46	62.73	MaxP	Horizontal	150	180	74.0	-11.3	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	MCS0
Power Setting:	16	Tested By:	BQ

Test Measurement Results



5300.00 - 5460.00 MHz

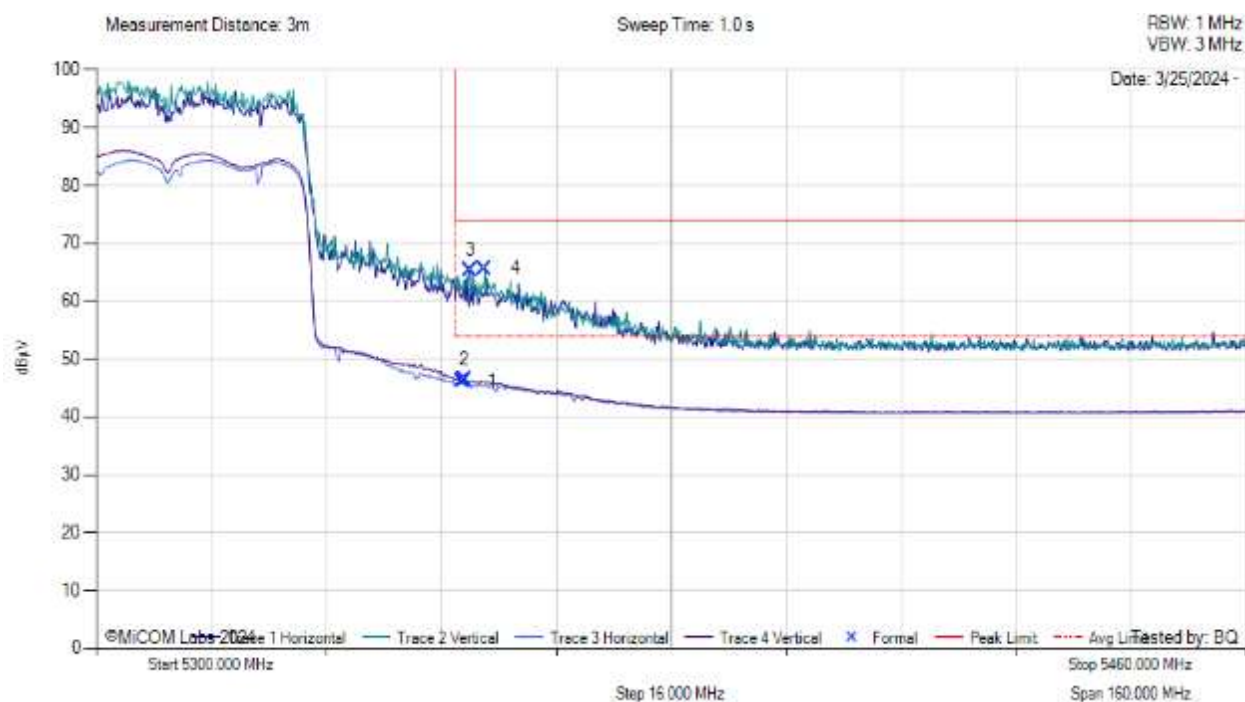
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5351.36	16.03	3.03	34.45	43.51	AVG	Vertical	151	0	54.0	-10.5	Pass
2	5352.32	15.51	3.03	34.45	42.99	AVG	Horizontal	150	180	54.0	-11.0	Pass
3	5358.08	35.22	3.05	34.46	62.73	MaxP	Horizontal	150	120	74.0	-11.3	Pass
4	5359.04	36.83	3.06	34.46	64.35	MaxP	Vertical	150	59	74.0	-9.7	Pass

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Equipment Configuration for BE 5350 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5310	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



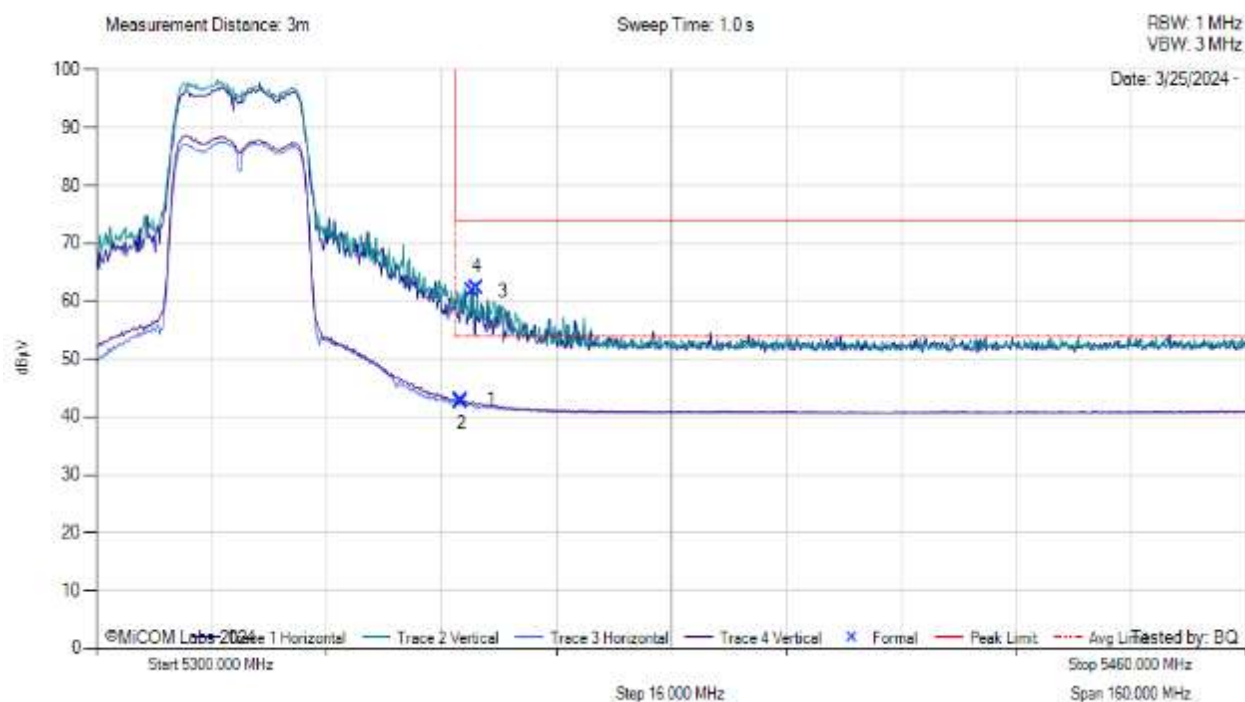
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.88	18.62	3.03	34.45	46.10	AVG	Horizontal	150	180	54.0	-7.9	Pass
2	5351.20	18.95	3.03	34.45	46.43	AVG	Vertical	150	0	54.0	-7.6	Pass
3	5352.00	37.89	3.03	34.45	65.37	MaxP	Horizontal	150	120	74.0	-8.6	Pass
4	5354.08	38.23	3.03	34.45	65.71	MaxP	Vertical	150	0	74.0	-8.3	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5320	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



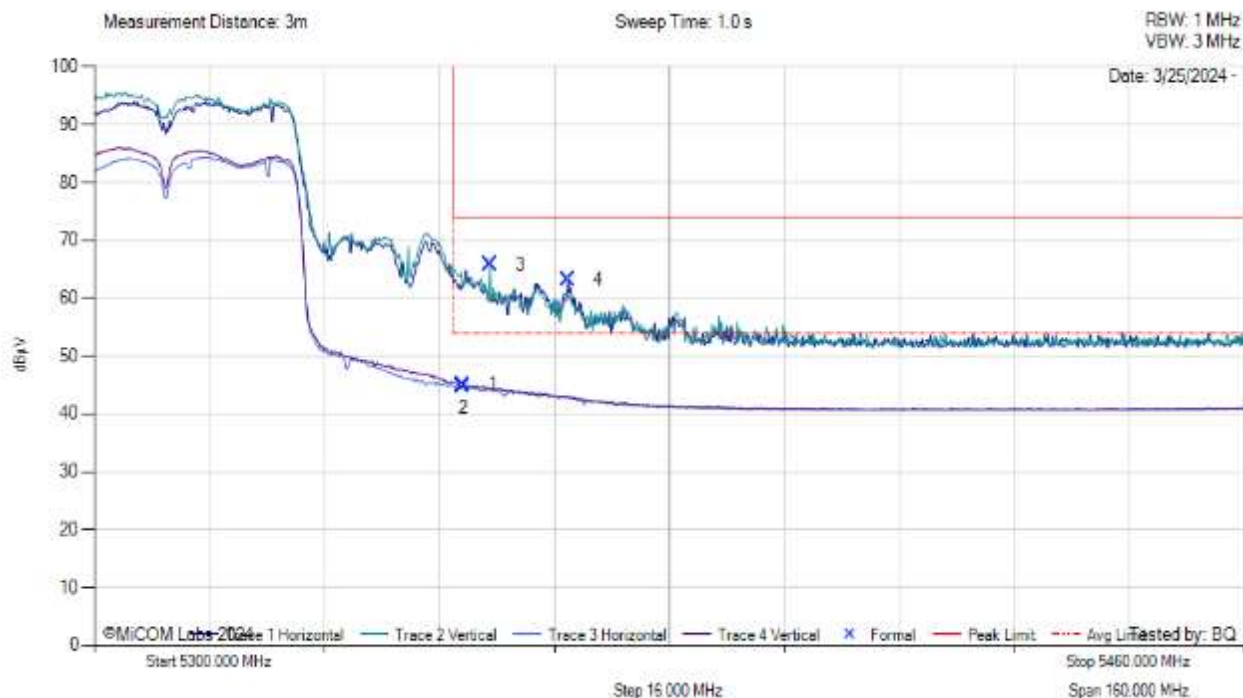
5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5350.72	15.47	3.03	34.45	42.95	AVG	Vertical	150	0	54.0	-11.0	Pass
2	5350.72	15.09	3.03	34.45	42.56	AVG	Horizontal	150	180	54.0	-11.4	Pass
3	5352.32	34.23	3.03	34.45	61.71	MaxP	Horizontal	150	120	74.0	-12.3	Pass
4	5352.96	34.83	3.03	34.45	62.31	MaxP	Vertical	151	0	74.0	-11.7	Pass

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Equipment Configuration for BE 5350 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5310	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5300.00 - 5460.00 MHz

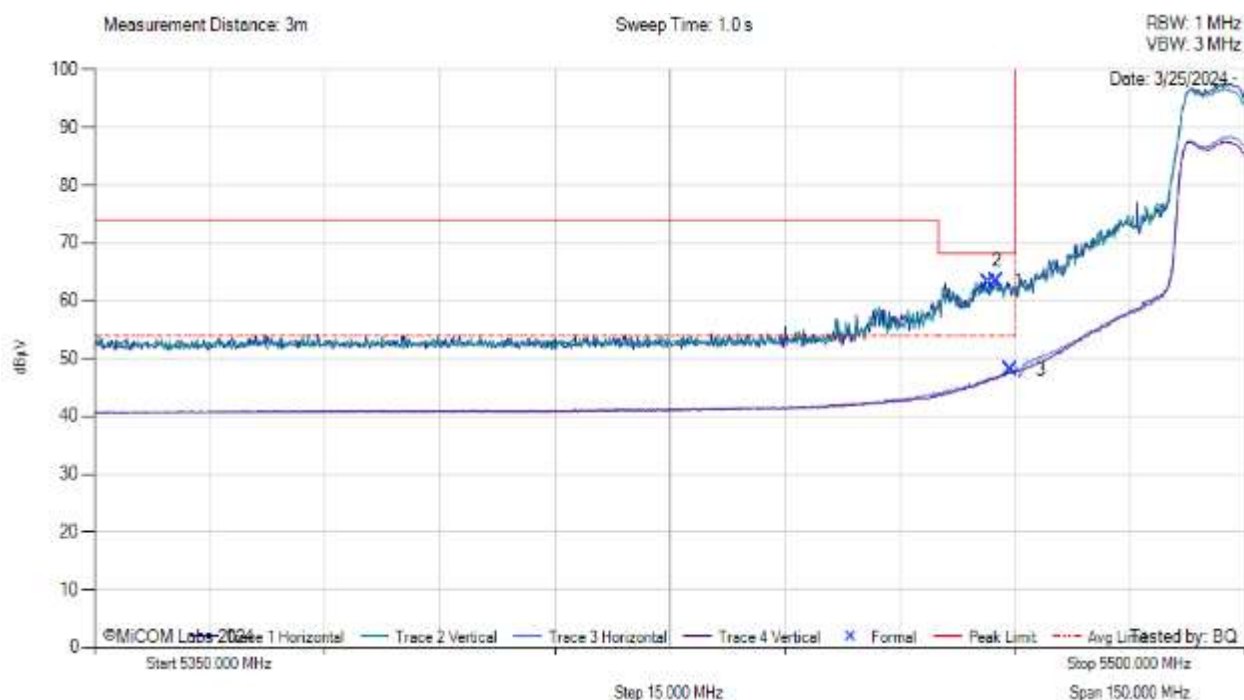
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5351.20	17.60	3.03	34.45	45.08	AVG	Vertical	151	0	54.0	-8.9	Pass
2	5351.36	17.20	3.03	34.45	44.68	AVG	Horizontal	149	180	54.0	-9.3	Pass
3	5355.04	38.37	3.04	34.45	65.86	MaxP	Vertical	151	0	74.0	-8.1	Pass
4	5365.92	35.58	3.08	34.46	63.12	MaxP	Horizontal	149	180	74.0	-10.9	Pass

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Equipment Configuration for BE 5460 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	6 Mbps
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5466.55	35.61	3.13	34.52	63.26	MaxP	Vertical	150	269	68.2	-4.9	Pass
2	5467.60	35.75	3.12	34.52	63.39	MaxP	Horizontal	150	210	68.2	-4.8	Pass
3	5469.40	20.39	3.11	34.52	48.03	AVG	Horizontal	150	210	54.0	-6.0	Pass

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Equipment Configuration for BE 5460 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



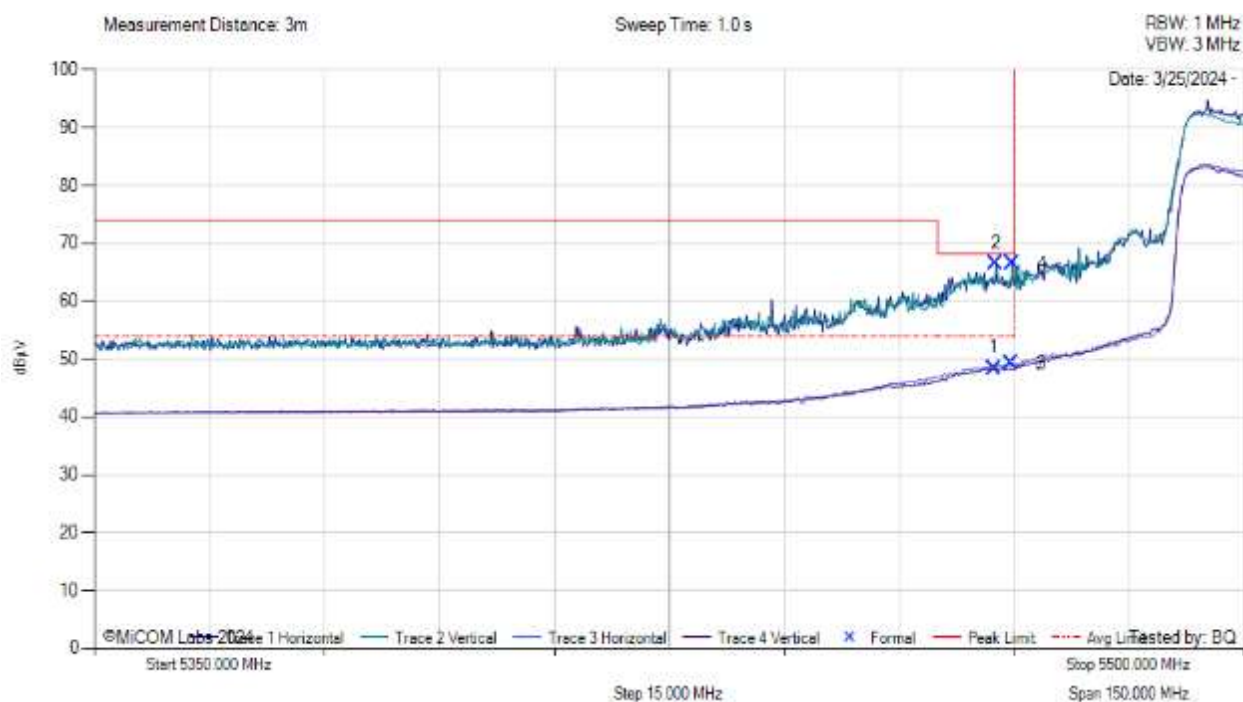
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5466.55	36.49	3.13	34.52	64.14	MaxP	Vertical	150	269	68.2	-4.1	Pass
2	5467.45	36.26	3.12	34.52	63.90	MaxP	Horizontal	150	330	68.2	-4.3	Pass
3	5469.40	21.10	3.11	34.52	48.73	AVG	Horizontal	150	210	54.0	-5.3	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



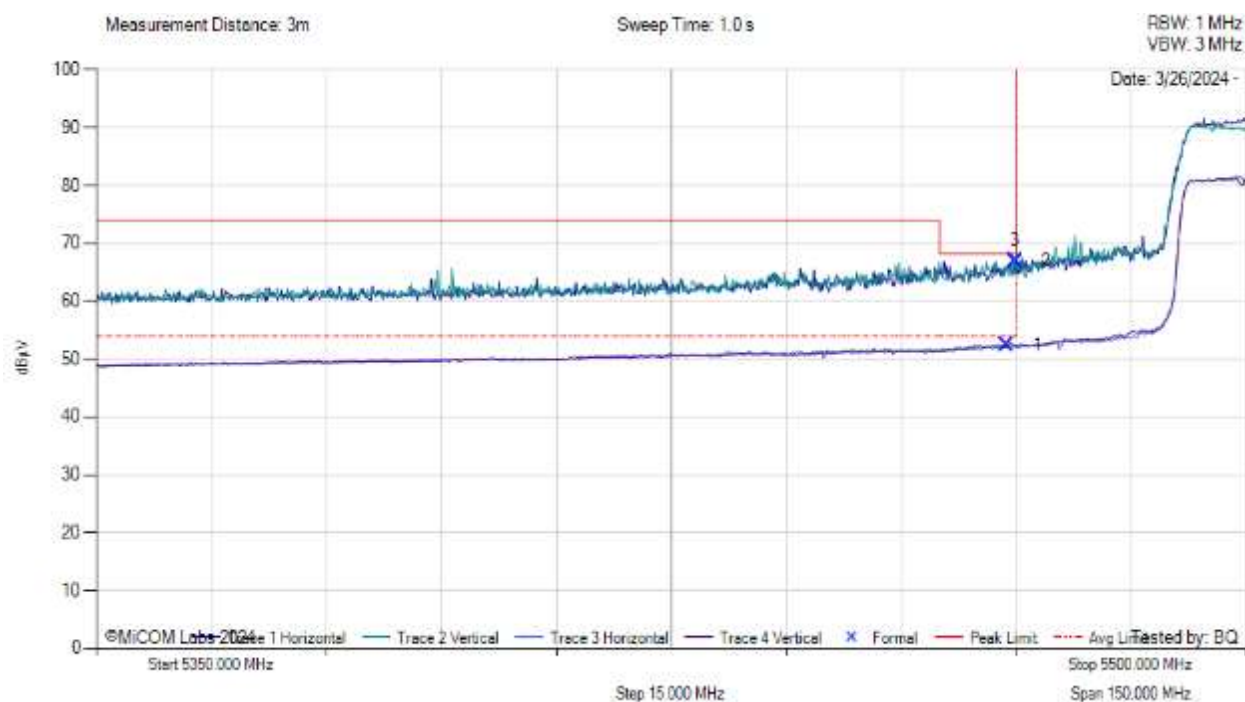
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5467.30	20.78	3.12	34.52	48.43	AVG	Vertical	151	0	54.0	-5.6	Pass
2	5467.60	38.81	3.12	34.52	66.46	MaxP	Horizontal	150	210	68.2	-1.7	Pass
3	5469.55	21.63	3.11	34.52	49.27	AVG	Horizontal	150	210	54.0	-4.7	Pass
4	5469.70	38.90	3.11	34.52	66.53	MaxP	Vertical	151	0	68.2	-1.7	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5530	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



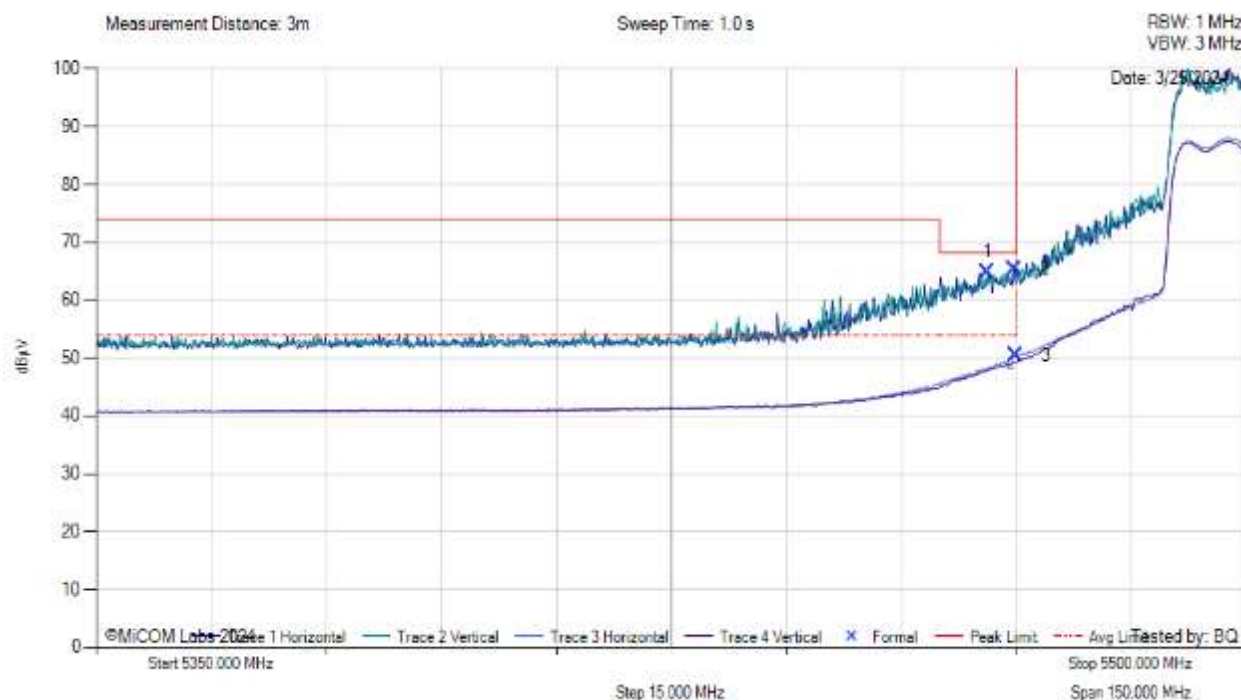
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5468.80	24.75	3.11	34.52	52.38	AVG	Horizontal	149	210	54.0	-1.6	Pass
2	5469.85	39.43	3.11	34.52	67.06	MaxP	Vertical	199	330	68.2	-1.1	Pass
3	5469.85	39.27	3.11	34.52	66.90	MaxP	Horizontal	199	210	68.2	-1.3	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

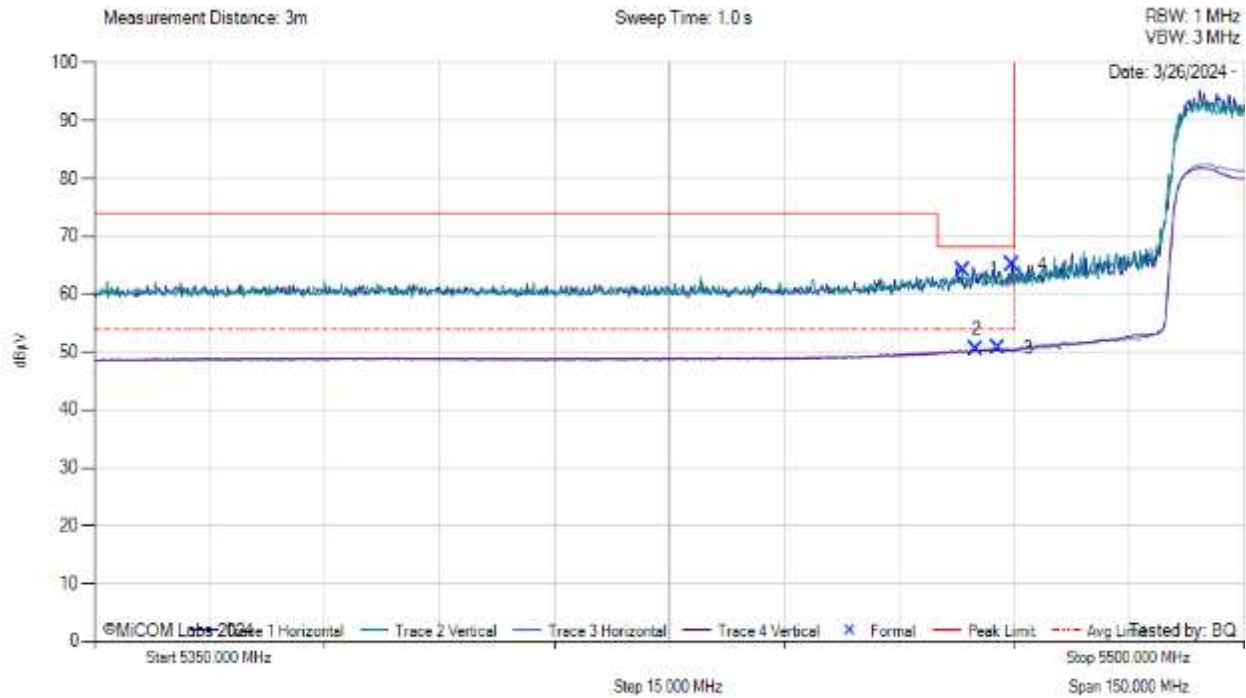
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5466.25	37.21	3.13	34.52	64.87	MaxP	Vertical	150	209	68.2	-3.3	Pass
2	5469.70	37.81	3.11	34.52	65.44	MaxP	Horizontal	150	210	68.2	-2.8	Pass
3	5469.85	22.88	3.11	34.52	50.51	AVG	Horizontal	150	210	54.0	-3.5	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	16	Tested By:	BQ

Test Measurement Results



5350.00 - 5500.00 MHz

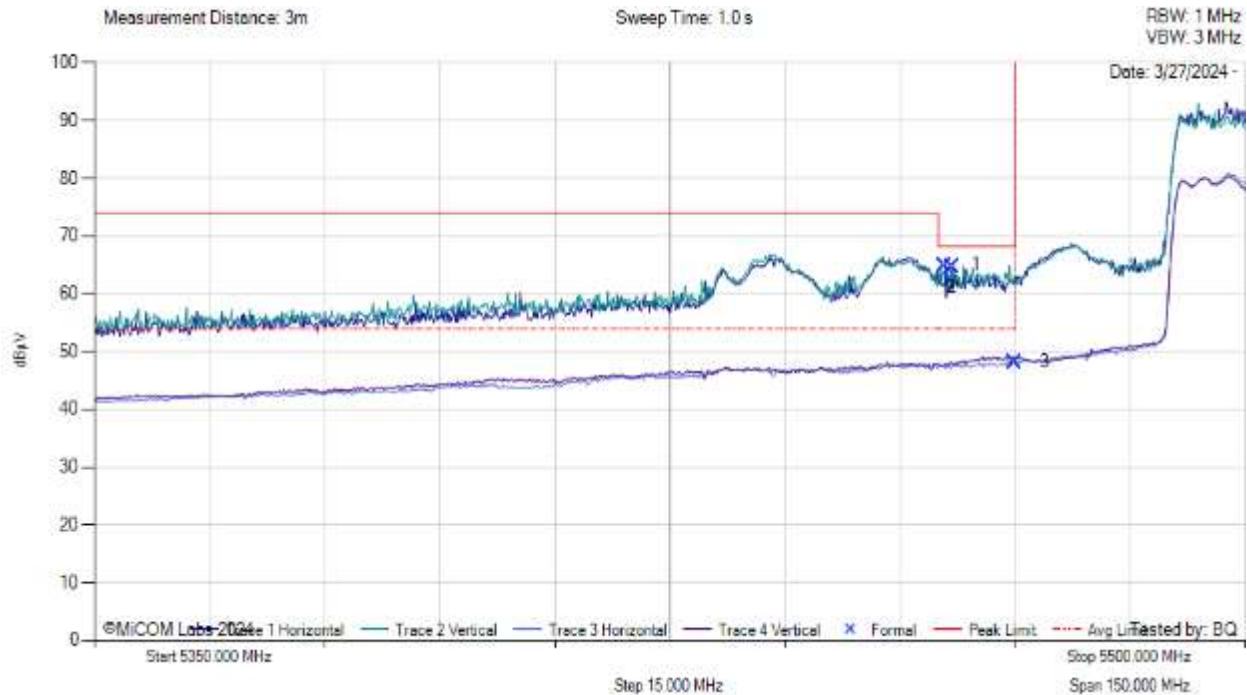
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5463.25	36.55	3.16	34.52	64.23	MaxP	Vertical	149	0	68.2	-4.0	Pass
2	5465.05	22.78	3.14	34.52	50.44	AVG	Vertical	150	0	54.0	-3.6	Pass
3	5467.90	23.06	3.12	34.52	50.70	AVG	Horizontal	149	210	54.0	-3.3	Pass
4	5469.70	37.42	3.11	34.52	65.05	MaxP	Horizontal	149	210	68.2	-3.1	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5530	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



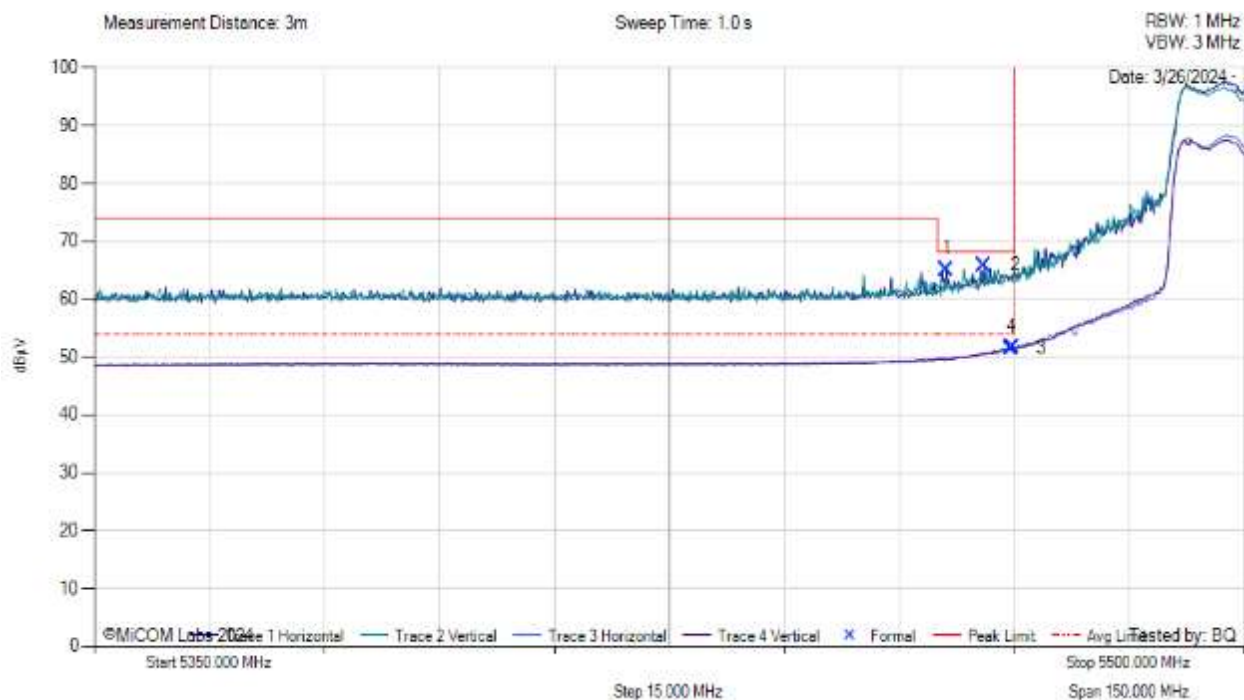
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5460.85	37.26	3.18	34.52	64.96	MaxP	Vertical	199	119	68.2	-3.2	Pass
2	5461.75	37.02	3.17	34.52	64.72	MaxP	Horizontal	150	210	68.2	-3.5	Pass
3	5469.85	20.59	3.11	34.52	48.22	AVG	Horizontal	150	210	54.0	-5.8	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5500	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



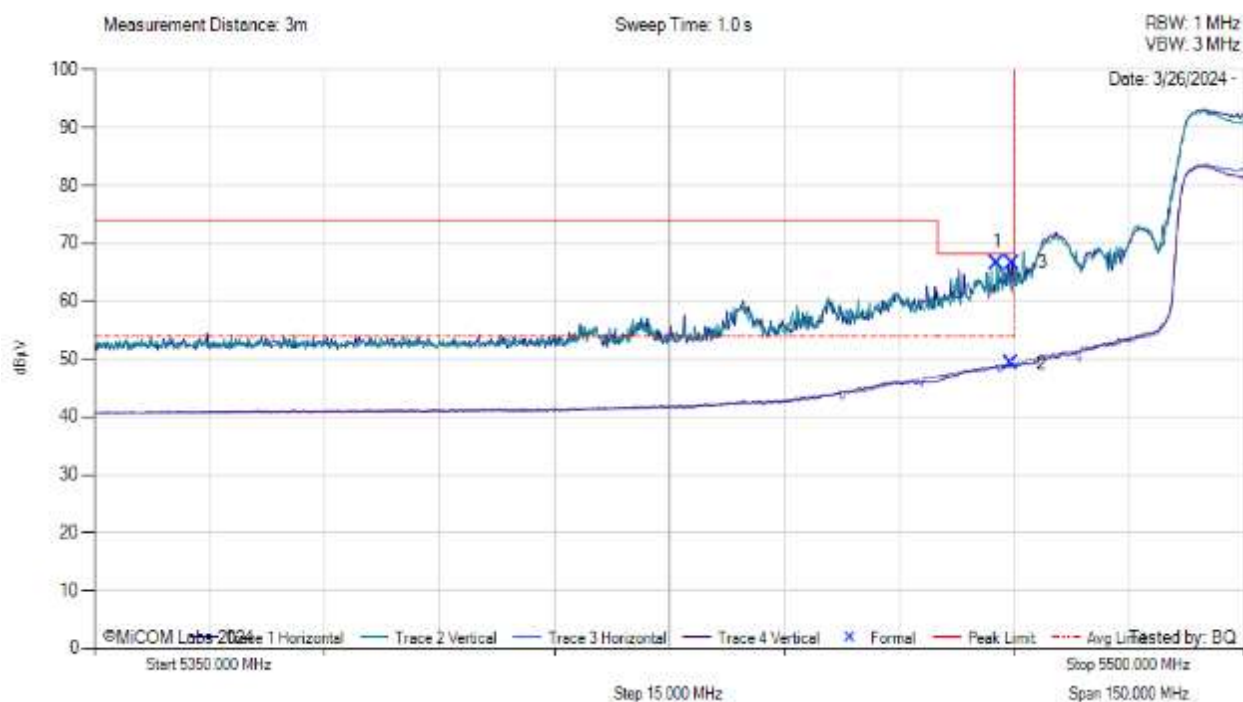
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5461.15	37.47	3.18	34.52	65.17	MaxP	Horizontal	199	210	68.2	-3.0	Pass
2	5466.10	38.23	3.14	34.52	65.89	MaxP	Vertical	150	0	68.2	-2.3	Pass
3	5469.55	23.92	3.11	34.52	51.55	AVG	Horizontal	150	210	54.0	-2.4	Pass
4	5469.70	24.02	3.11	34.52	51.65	AVG	Vertical	150	330	54.0	-2.4	Pass

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Equipment Configuration for BE 5460 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5510	Data Rate:	MCS0
Power Setting:	17	Tested By:	BQ

Test Measurement Results



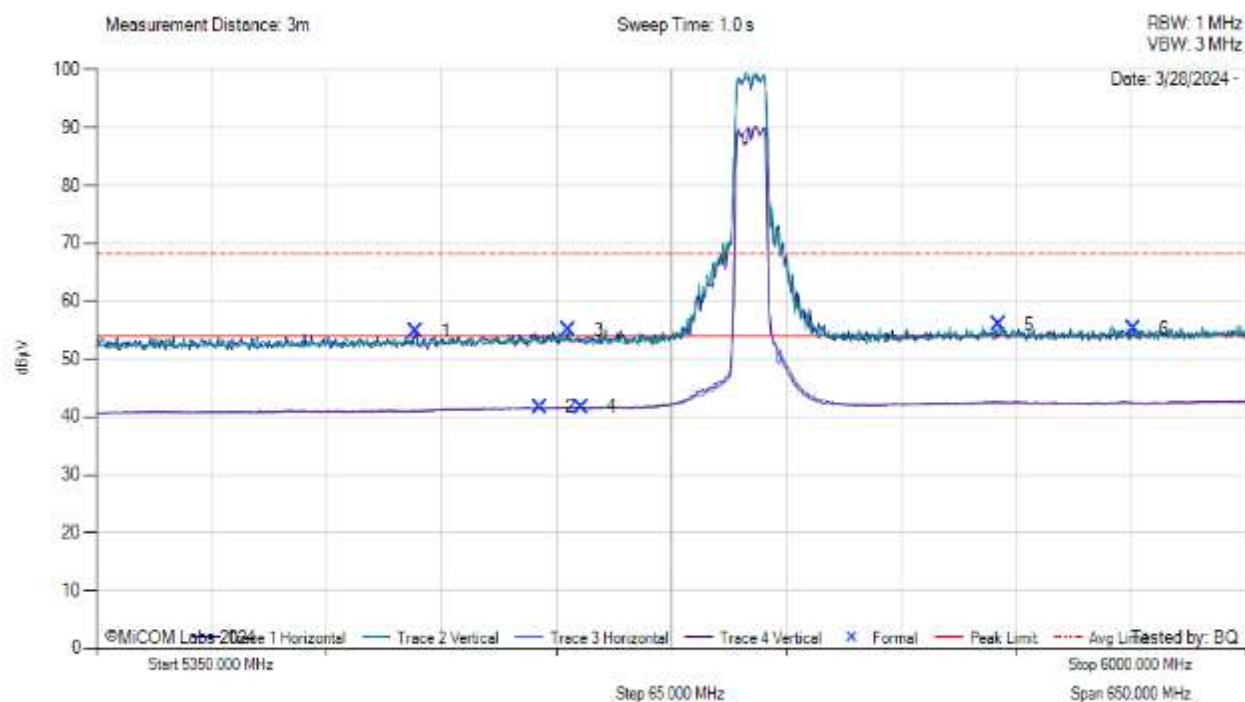
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5467.75	39.01	3.12	34.52	66.65	MaxP	Vertical	150	0	68.2	-1.5	Pass
2	5469.55	21.59	3.11	34.52	49.22	AVG	Horizontal	150	210	54.0	-4.8	Pass
3	5469.70	39.01	3.11	34.52	66.65	MaxP	Horizontal	150	210	68.2	-1.6	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



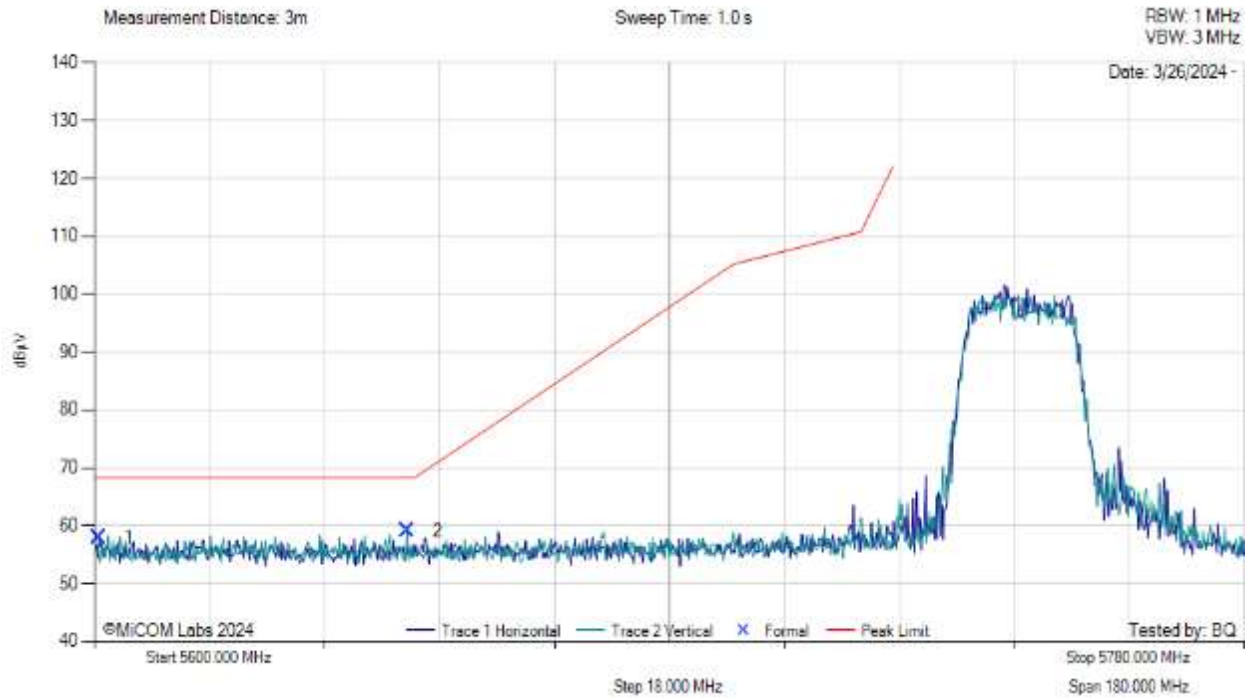
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5530.70	27.15	3.09	34.54	54.78	MaxP	Horizontal	199	210	68.2	-13.5	Pass
2	5600.90	14.08	3.13	34.55	41.75	AVG	Vertical	199	29	54.0	-12.2	Pass
3	5617.15	27.24	3.18	34.56	54.98	MaxP	Vertical	199	119	68.2	-13.3	Pass
4	5624.30	13.99	3.16	34.57	41.72	AVG	Horizontal	199	180	54.0	-12.3	Pass
5	5860.25	27.76	3.30	34.98	56.04	MaxP	Vertical	199	269	68.2	-12.2	Pass
6	5936.30	26.84	3.26	35.12	55.23	MaxP	Horizontal	150	240	68.2	-13.0	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

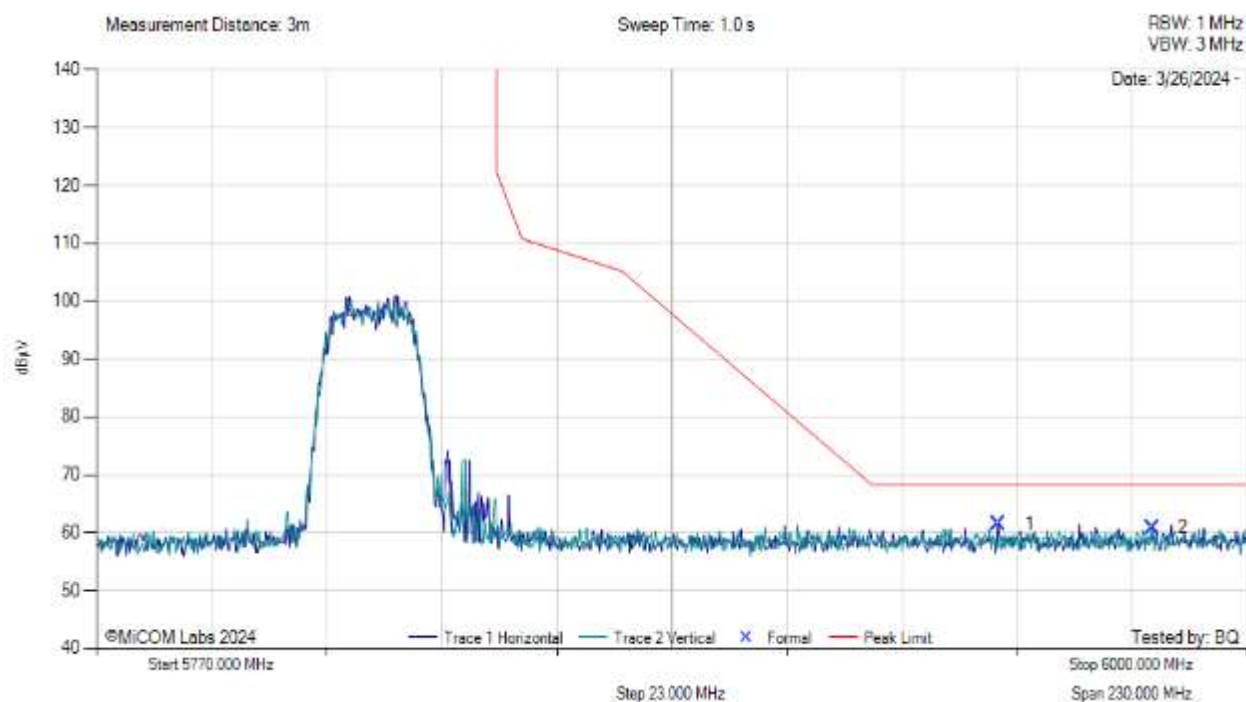
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5600.72	30.22	3.12	34.55	57.89	MaxP	Horizontal	199	178	68.2	-10.3	Pass
2	5648.96	31.33	3.15	34.59	59.07	MaxP	Vertical	199	239	68.2	-9.2	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11a
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

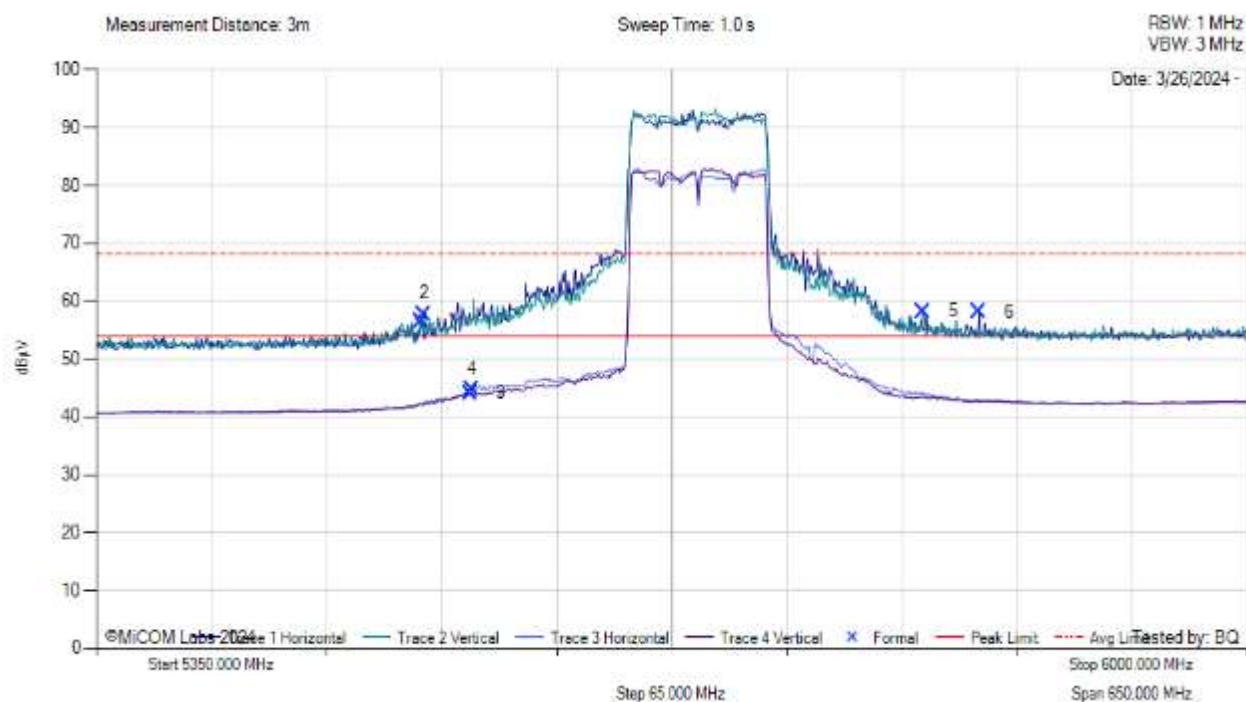
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5950.32	33.12	3.26	35.15	61.53	MaxP	Horizontal	199	120	68.2	-6.7	Pass
2	5981.14	32.43	3.25	35.21	60.90	MaxP	Vertical	149	32	68.2	-7.3	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5690	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



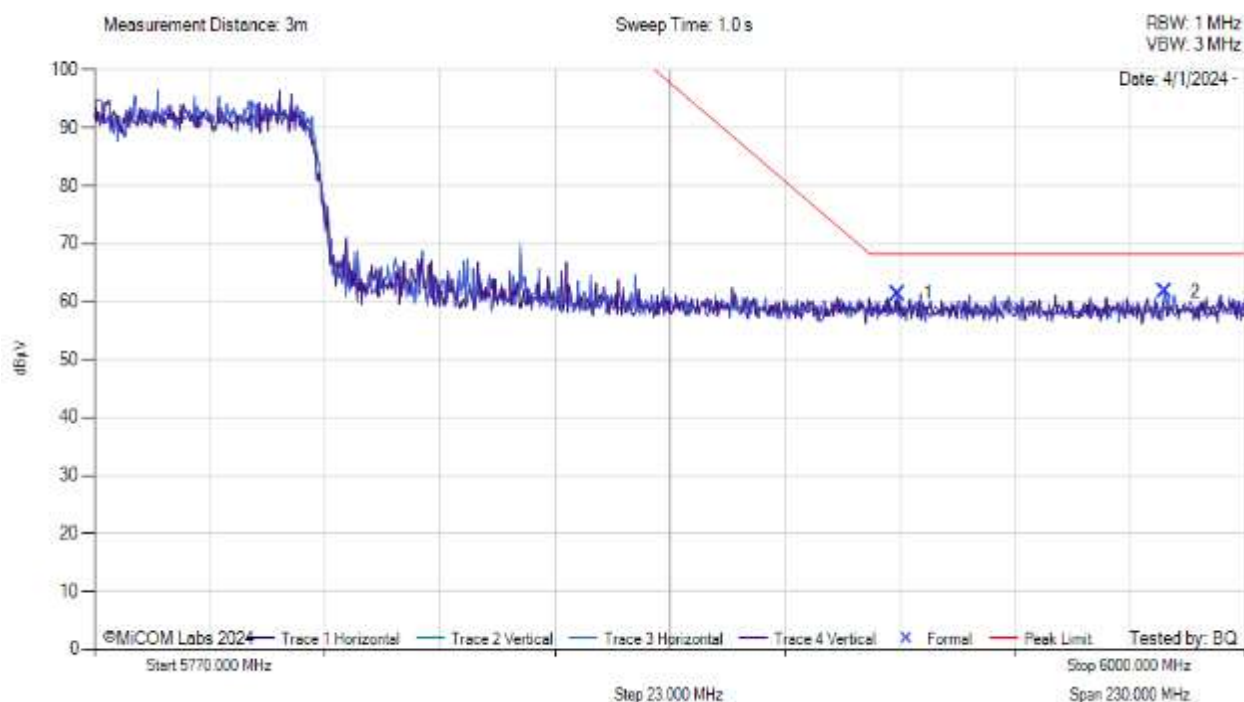
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5533.30	28.94	3.08	34.54	56.56	MaxP	Horizontal	150	330	68.2	-11.7	Pass
2	5535.25	30.19	3.08	34.54	57.81	MaxP	Vertical	199	269	68.2	-10.4	Pass
3	5561.25	16.46	3.15	34.54	44.14	AVG	Vertical	150	0	54.0	-9.9	Pass
4	5561.90	16.96	3.14	34.54	44.64	AVG	Horizontal	150	210	54.0	-9.4	Pass
5	5816.70	30.18	3.21	34.88	58.27	MaxP	Vertical	199	269	68.2	-10.0	Pass
6	5848.55	29.92	3.22	34.95	58.09	MaxP	Horizontal	150	210	68.2	-10.1	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ac
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5775	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



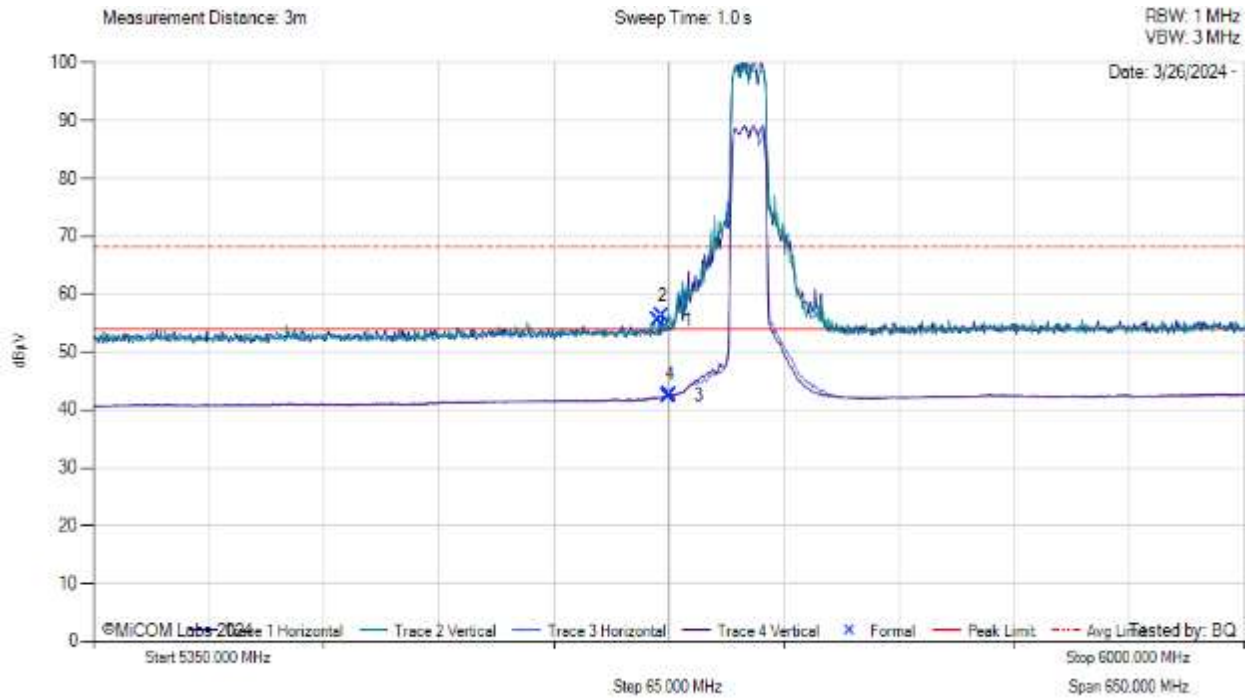
5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5930.54	32.87	3.34	35.11	61.32	MaxP	Vertical	150	90	68.2	-6.9	Pass
2	5983.90	33.20	3.26	35.21	61.67	MaxP	Horizontal	150	210	68.2	-6.6	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



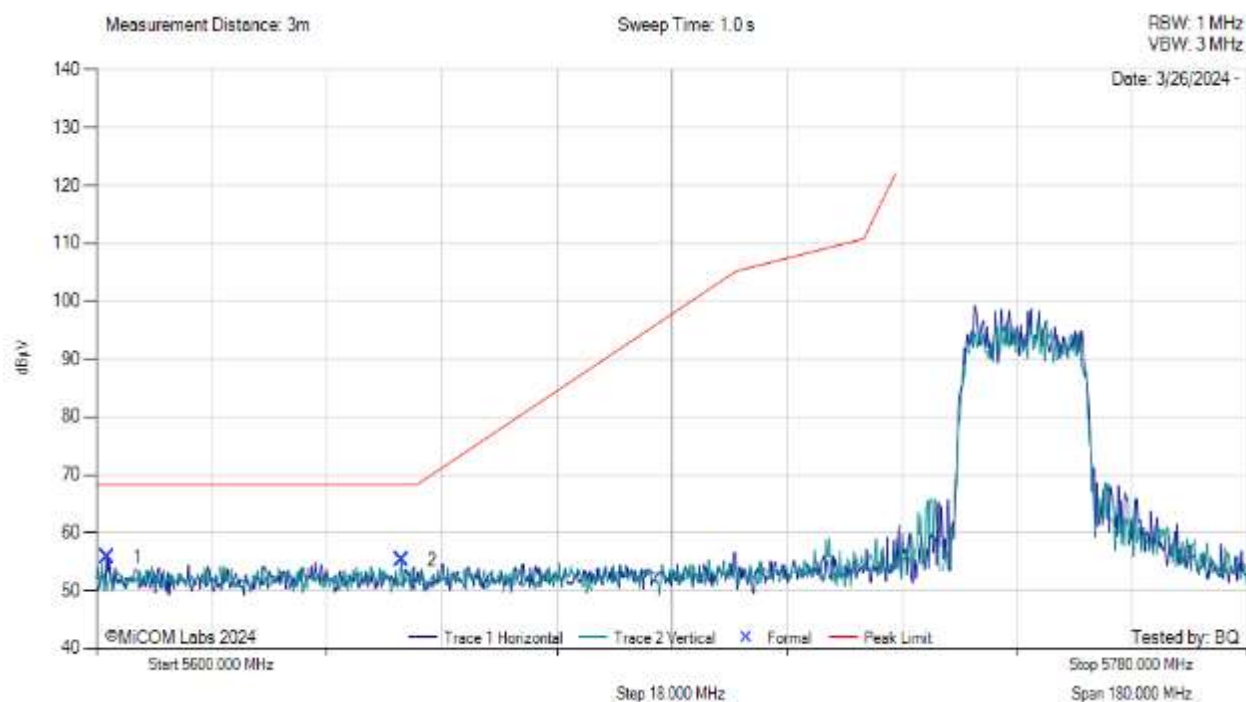
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5669.15	27.70	3.16	34.61	55.47	MaxP	Vertical	149	269	68.2	-12.8	Pass
2	5671.10	28.50	3.17	34.62	56.29	MaxP	Horizontal	149	180	68.2	-11.9	Pass
3	5675.00	14.60	3.18	34.62	42.41	AVG	Horizontal	149	210	54.0	-11.6	Pass
4	5675.65	14.78	3.18	34.62	42.59	AVG	Vertical	199	269	54.0	-11.4	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

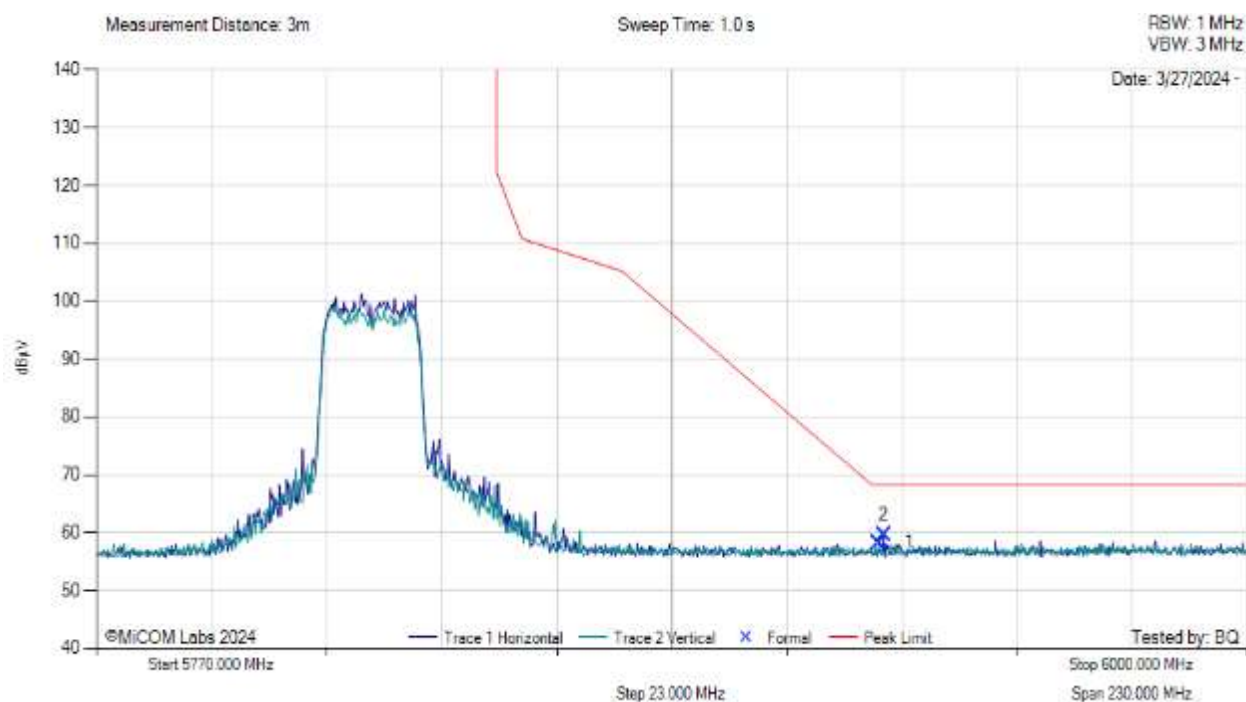
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5601.62	28.04	3.13	34.55	55.72	MaxP	Horizontal	199	30	68.2	-12.5	Pass
2	5647.70	27.50	3.17	34.59	55.26	MaxP	Vertical	150	92	68.2	-13.0	Pass

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Equipment Configuration for BE 5850 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

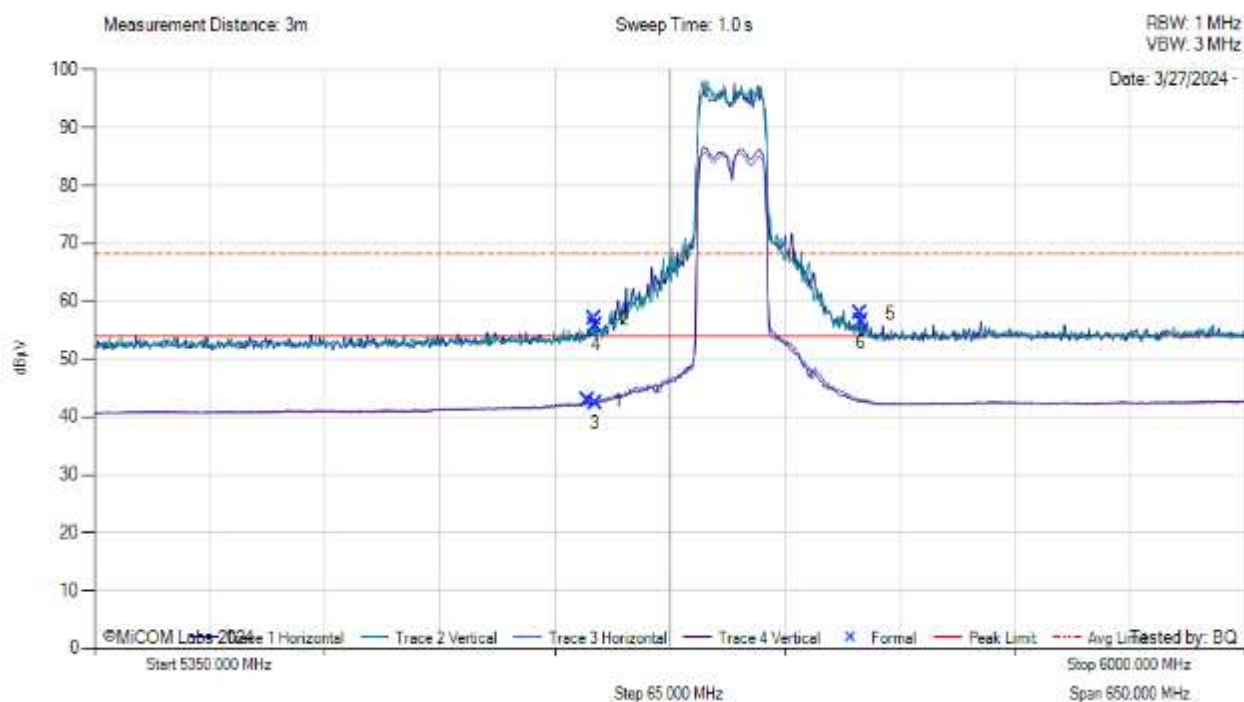
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5926.40	29.82	3.29	35.10	58.21	MaxP	Vertical	149	269	68.2	-10.0	Pass
2	5927.32	31.09	3.30	35.10	59.50	MaxP	Horizontal	149	210	68.2	-8.7	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5710	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



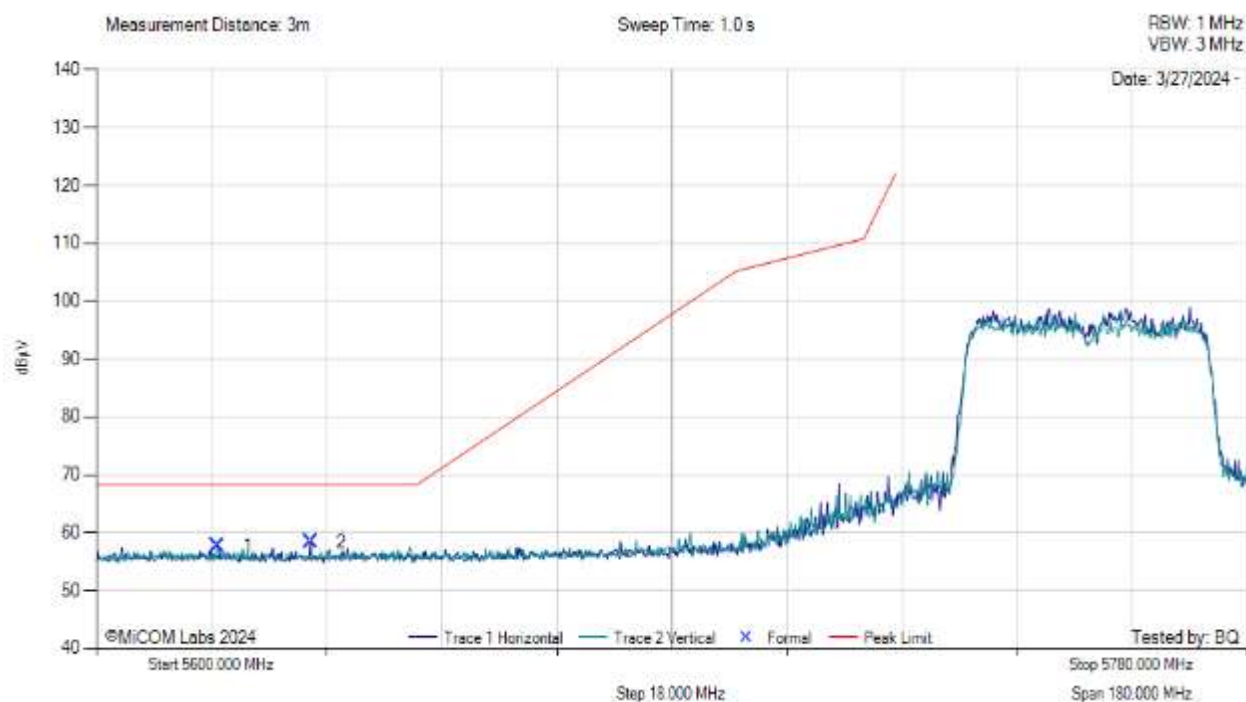
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5628.85	15.08	3.14	34.57	42.78	AVG	Horizontal	149	210	54.0	-11.2	Pass
2	5632.10	29.27	3.13	34.57	56.97	MaxP	Horizontal	149	330	68.2	-11.3	Pass
3	5632.75	14.77	3.14	34.58	42.48	AVG	Vertical	199	269	54.0	-11.5	Pass
4	5633.40	28.17	3.14	34.58	55.89	MaxP	Vertical	199	269	68.2	-12.3	Pass
5	5782.25	29.96	3.17	34.81	57.94	MaxP	Horizontal	149	210	68.2	-10.3	Pass
6	5782.90	28.42	3.17	34.81	56.40	MaxP	Vertical	149	269	68.2	-11.8	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5755	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

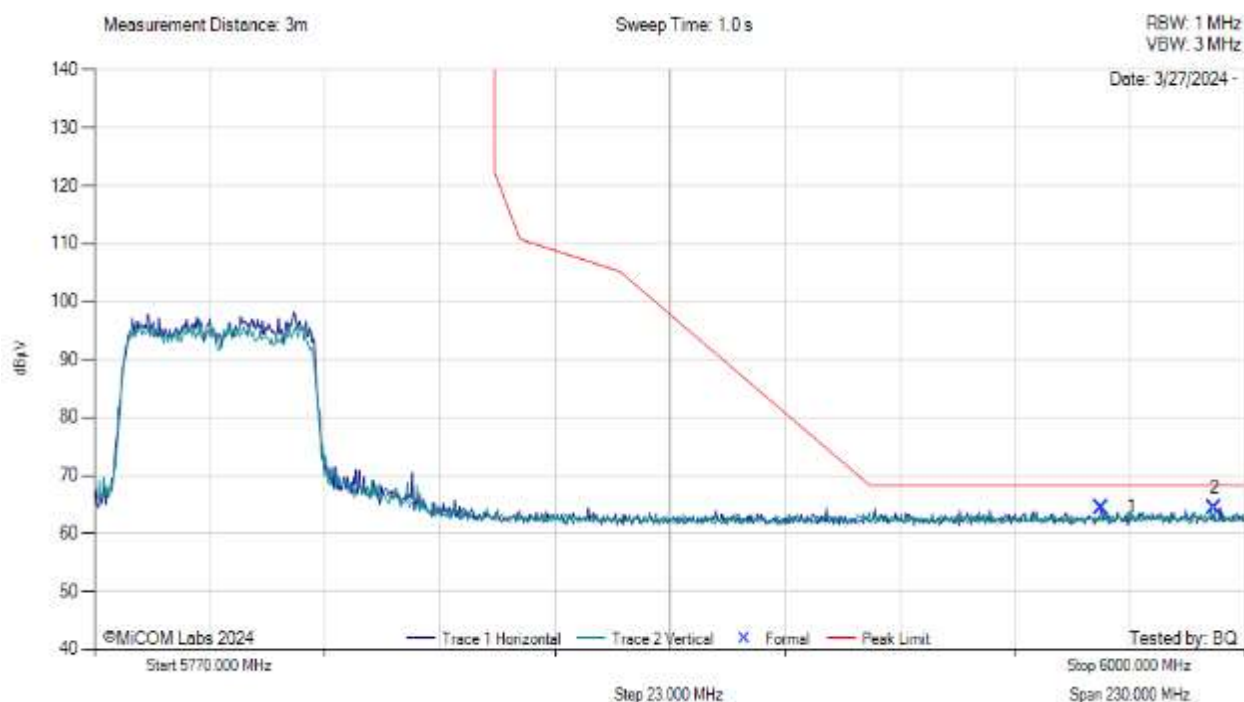
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5618.90	29.91	3.18	34.56	57.65	MaxP	Vertical	199	59	68.2	-10.6	Pass
2	5633.48	30.70	3.14	34.58	58.42	MaxP	Horizontal	199	240	68.2	-9.8	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5795	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

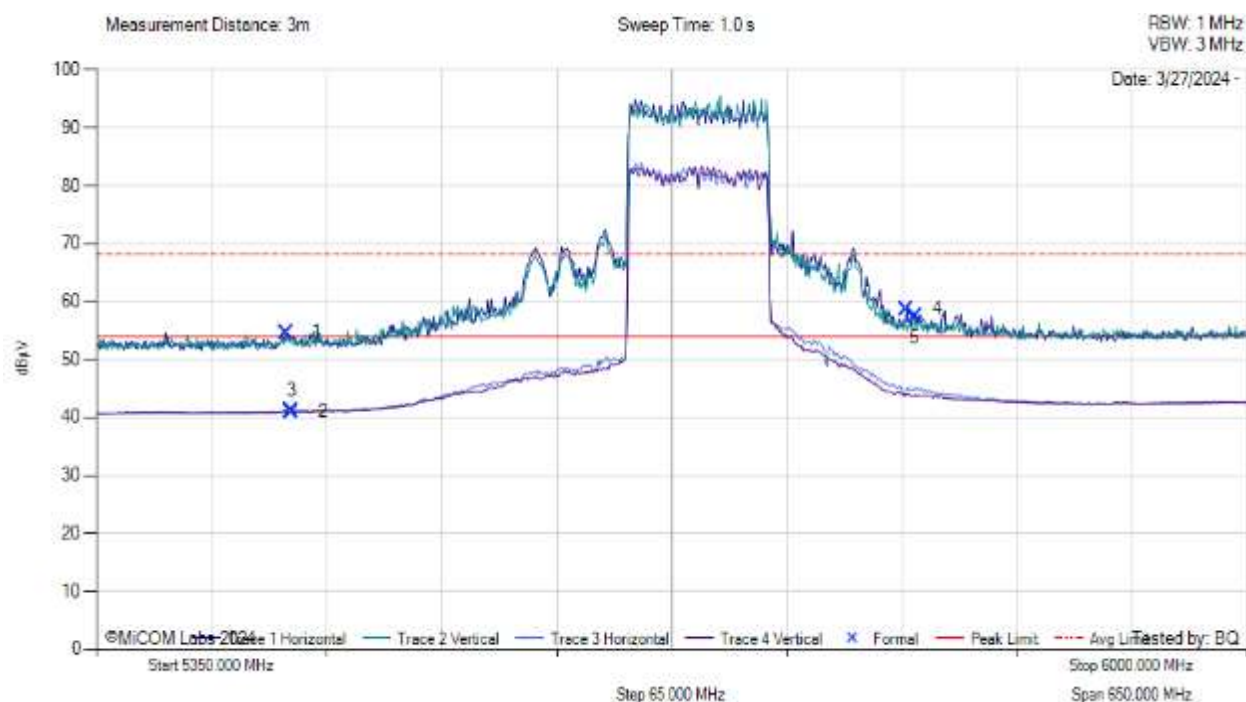
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5971.25	36.05	3.23	35.19	64.47	MaxP	Horizontal	150	60	68.2	-3.8	Pass
2	5993.79	35.88	3.21	35.23	64.32	MaxP	Vertical	150	29	68.2	-3.9	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5690	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



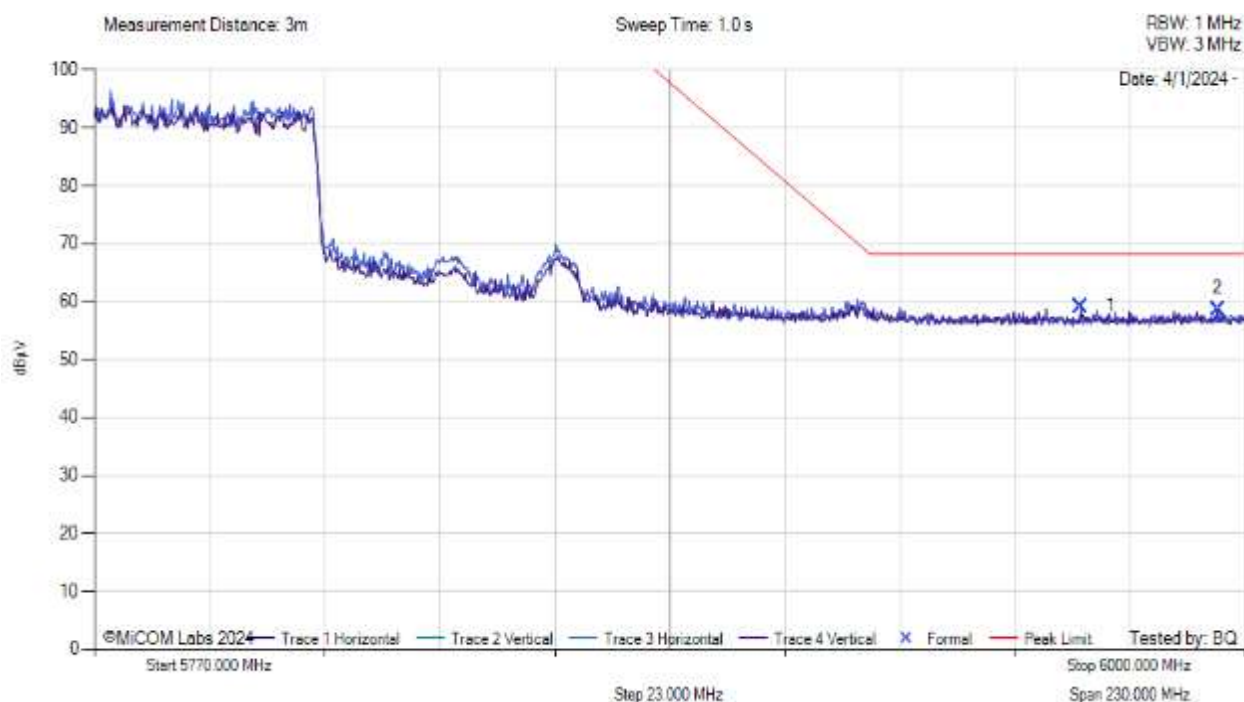
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5457.25	26.95	3.16	34.52	54.63	MaxP	Horizontal	199	0	68.2	-13.6	Pass
2	5460.50	13.39	3.19	34.52	41.10	AVG	Vertical	150	0	54.0	-12.9	Pass
3	5460.50	13.31	3.19	34.52	41.01	AVG	Horizontal	149	210	54.0	-13.0	Pass
4	5807.60	30.61	3.23	34.86	58.70	MaxP	Horizontal	149	210	68.2	-9.5	Pass
5	5812.15	29.29	3.20	34.87	57.36	MaxP	Vertical	149	59	68.2	-10.9	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11ax
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5775	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

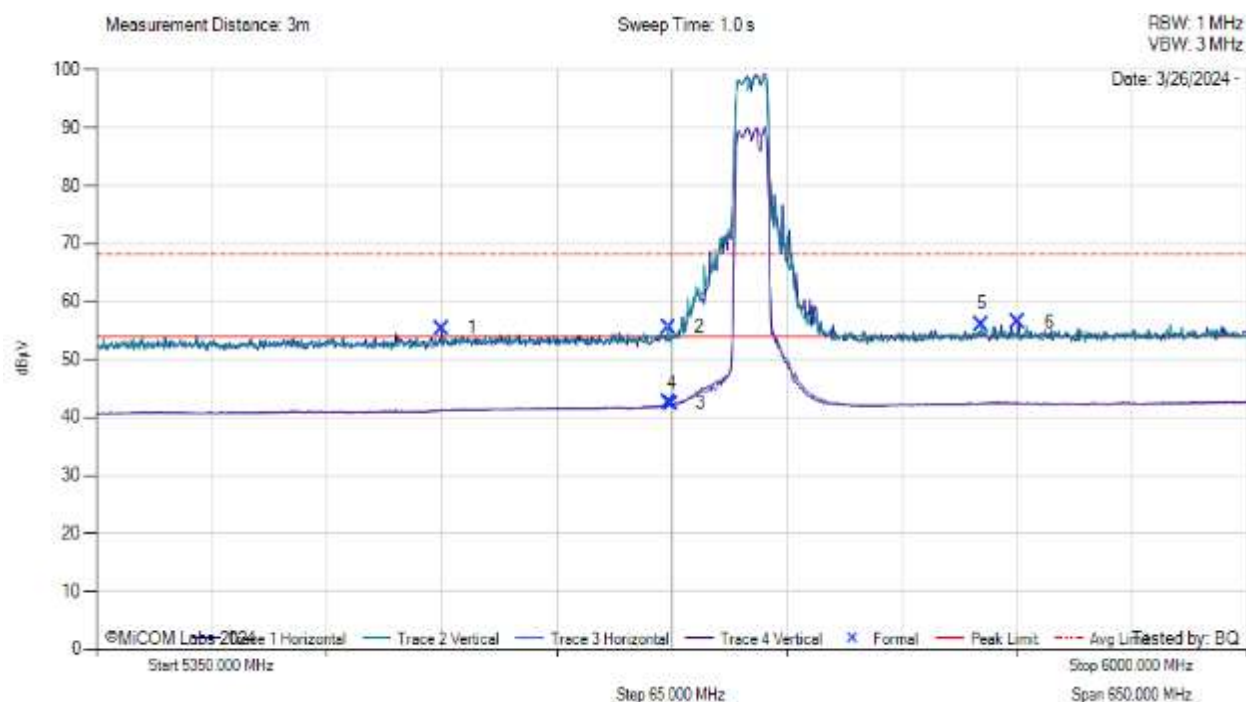
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5967.11	30.75	3.23	35.18	59.16	MaxP	Horizontal	150	270	68.2	-9.1	Pass
2	5994.48	30.28	3.20	35.24	58.72	MaxP	Vertical	199	119	68.2	-9.5	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5720	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



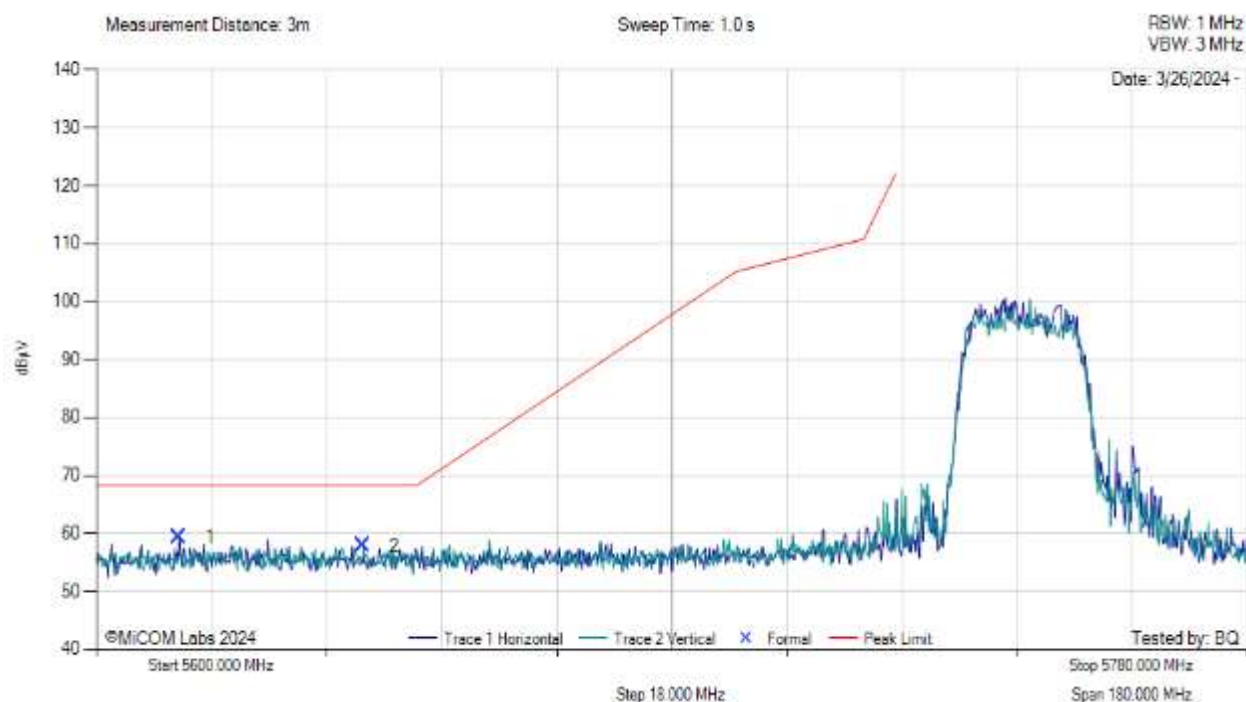
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5545.00	27.62	3.20	34.54	55.35	MaxP	Horizontal	150	90	68.2	-12.9	Pass
2	5673.05	27.79	3.17	34.62	55.58	MaxP	Vertical	199	299	68.2	-12.6	Pass
3	5673.70	14.68	3.18	34.62	42.48	AVG	Vertical	199	269	54.0	-11.5	Pass
4	5675.00	14.53	3.18	34.62	42.33	AVG	Horizontal	150	210	54.0	-11.7	Pass
5	5849.85	27.86	3.24	34.96	56.06	MaxP	Vertical	150	59	68.2	-12.2	Pass
6	5870.65	28.17	3.25	34.99	56.42	MaxP	Horizontal	199	60	68.2	-11.8	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5745	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5600.00 - 5780.00 MHz

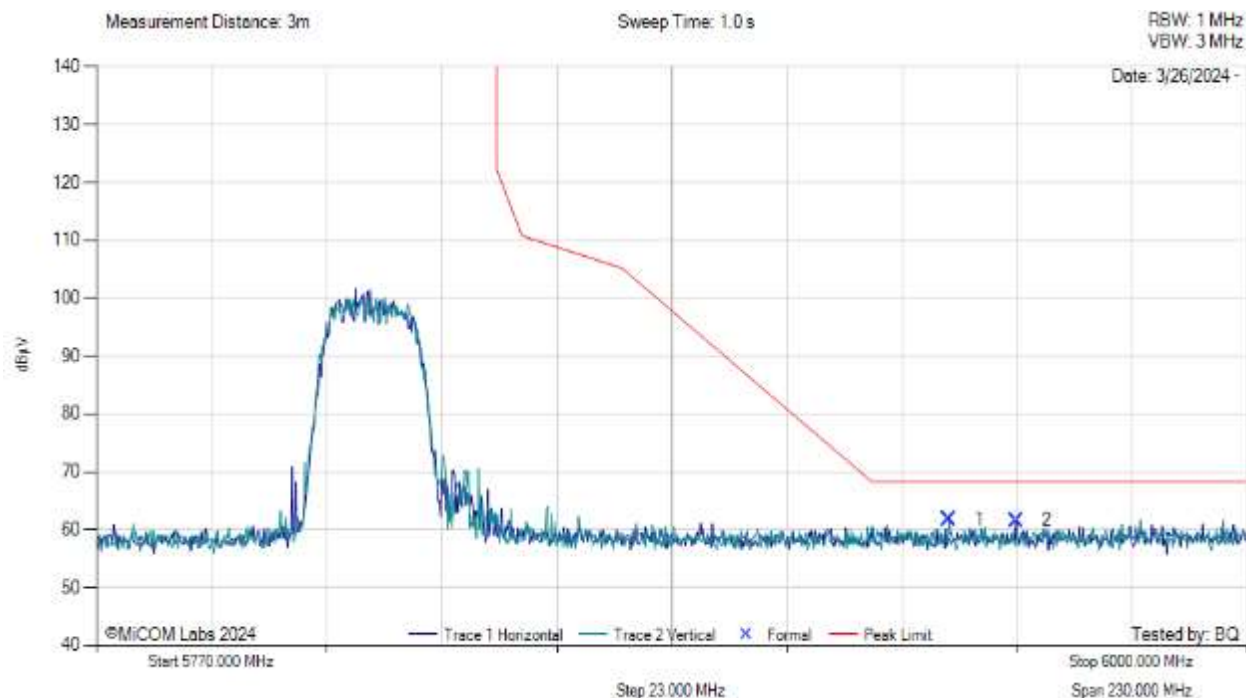
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5612.96	31.58	3.17	34.56	59.32	MaxP	Horizontal	199	330	68.2	-8.9	Pass
2	5641.76	30.14	3.22	34.58	57.94	MaxP	Vertical	199	239	68.2	-10.3	Pass

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Equipment Configuration for BE 5850 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5825	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

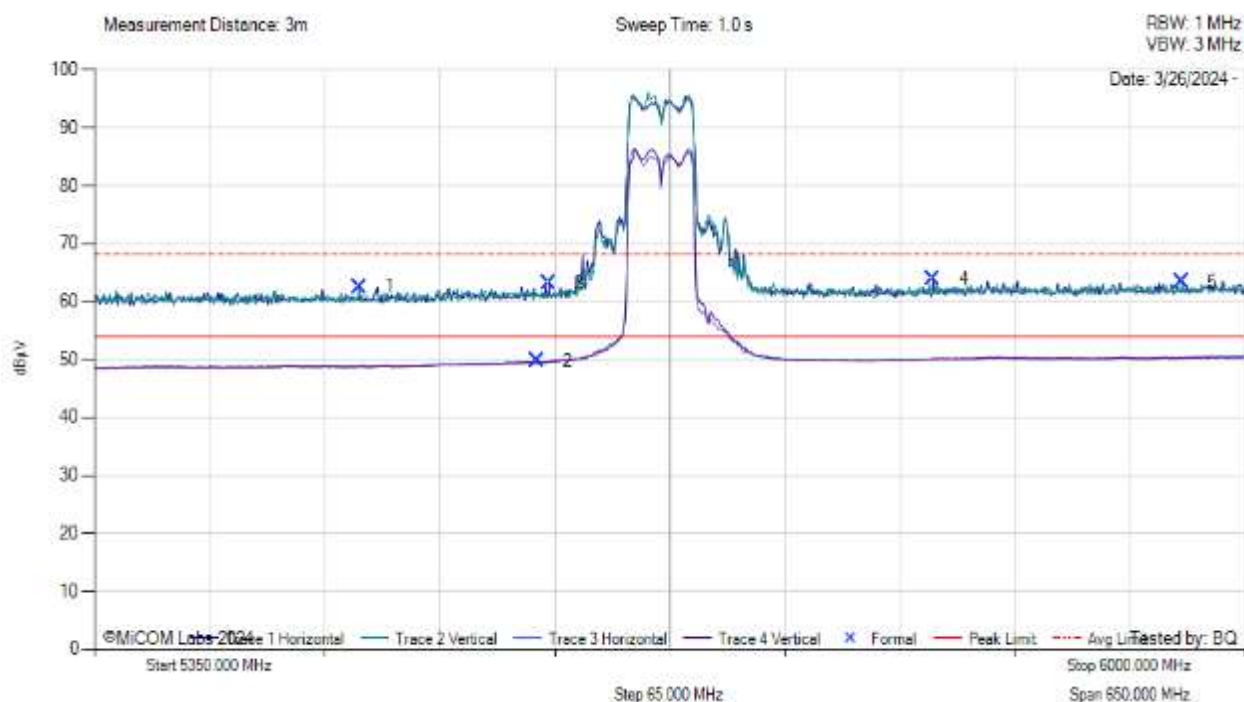
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5940.43	33.37	3.22	35.13	61.71	MaxP	Vertical	199	328	68.2	-6.5	Pass
2	5953.77	33.15	3.27	35.15	61.57	MaxP	Horizontal	150	209	68.2	-6.7	Pass

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Equipment Configuration for BE 5725 MHZ

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5710	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



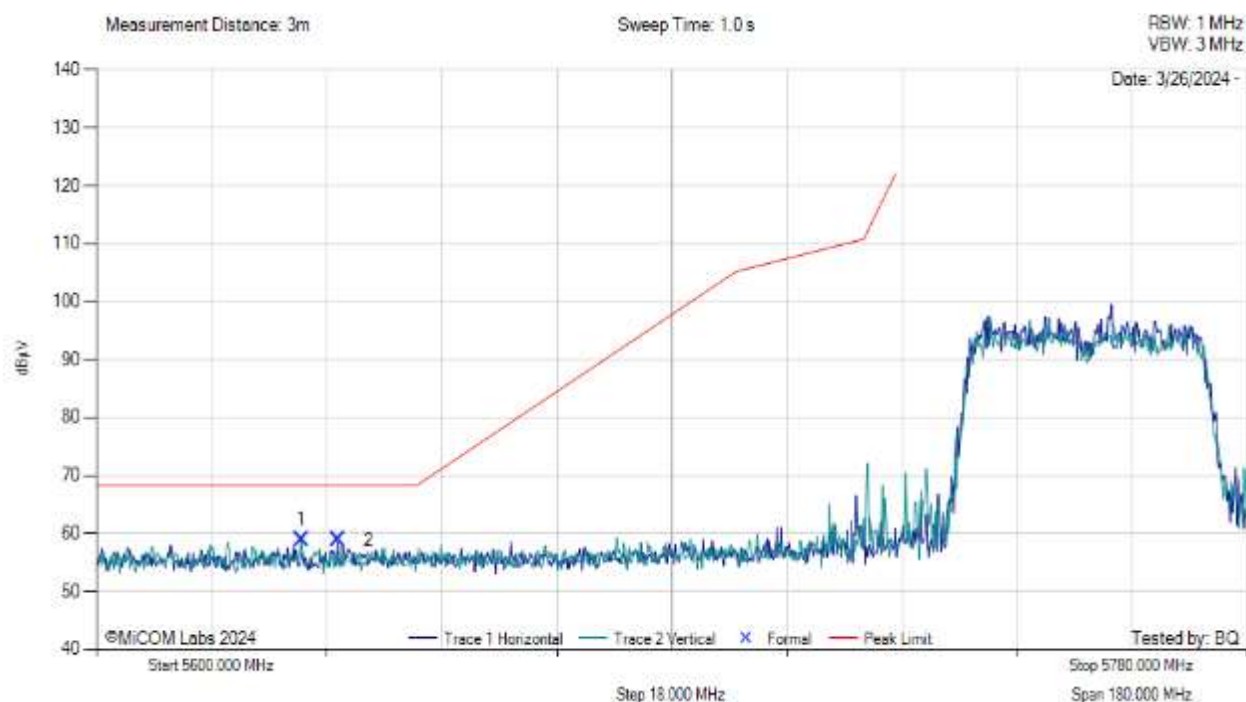
5350.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5499.50	34.91	3.10	34.53	62.55	MaxP	Vertical	150	89	68.2	-5.7	Pass
2	5600.25	22.04	3.12	34.55	49.71	AVG	Horizontal	150	210	54.0	-4.3	Pass
3	5606.75	35.40	3.16	34.55	63.11	MaxP	Horizontal	150	330	68.2	-5.1	Pass
4	5823.85	35.73	3.24	34.90	63.87	MaxP	Horizontal	150	210	68.2	-4.4	Pass
5	5964.25	34.92	3.23	35.18	63.33	MaxP	Vertical	150	59	68.2	-4.9	Pass

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Equipment Configuration for BE 5725 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5755	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



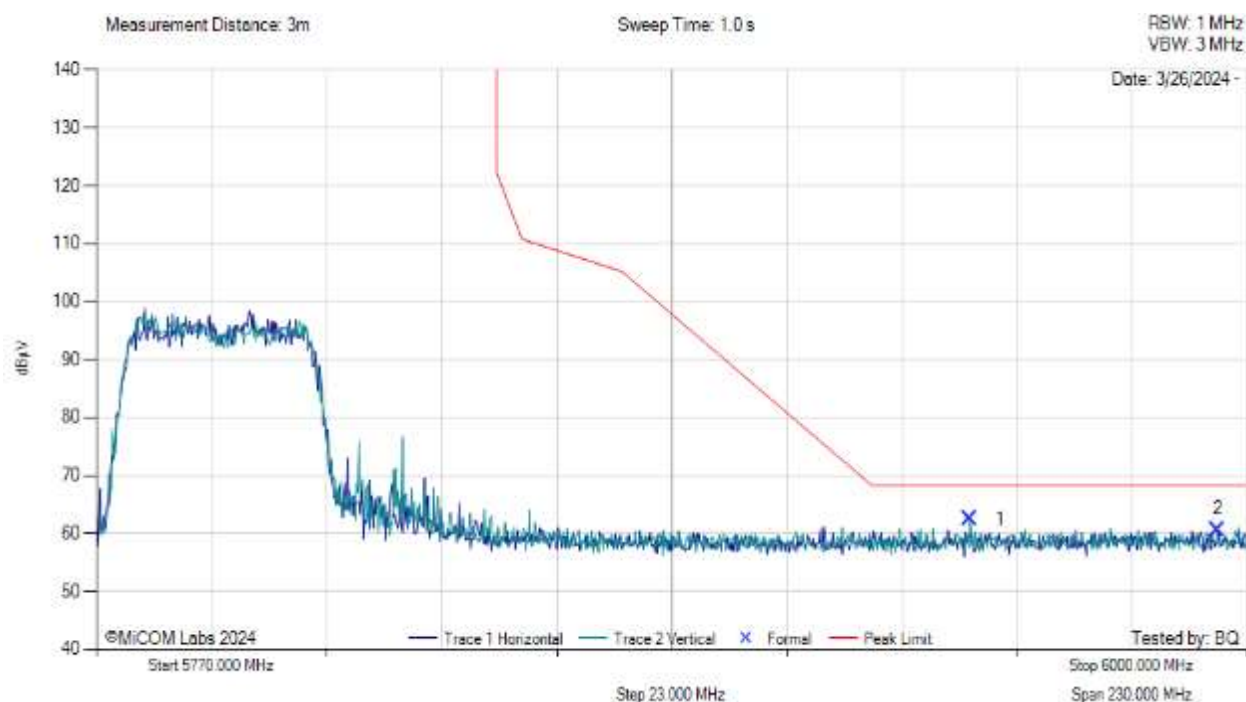
5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5632.04	31.15	3.13	34.57	58.86	MaxP	Vertical	199	0	68.2	-9.4	Pass
2	5637.80	31.05	3.19	34.58	58.82	MaxP	Horizontal	150	300	68.2	-9.4	Pass

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Equipment Configuration for BE 5850 MHz

Antenna:	Taoglas FXP831.07.0100C	Variant:	802.11n
Antenna Gain (dBi):	Not Applicable	Modulation:	OFDM
Channel Frequency (MHz):	5795	Data Rate:	MCS0
Power Setting:	18	Tested By:	BQ

Test Measurement Results



5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB/m	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5944.57	34.03	3.23	35.14	62.39	MaxP	Vertical	199	181	68.2	-5.8	Pass
2	5994.02	32.21	3.21	35.24	60.65	MaxP	Horizontal	149	60	68.2	-7.6	Pass

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575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com