



RF MEASUREMENT REPORT

FCC ID: QXP-SK878
Applicant: FlightScope (Pty) Ltd.
Product: Mevo Gen2
Model No.: Mevo Gen2
Trademark: FlightScope
FCC Classification: Part 15 Field Disturbance Sensor (FDS)
FCC Rule Part(s): Part 15.245
Result: Complies
Received Date: 2024-11-12
Test Date: 2024-11-30 ~ 2024-12-06

Reviewed By:

Yuri Li

Yuri Li

Approved By:

Robin Wu

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2020. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2411RSU022-U1	V01	Initial Report	2024-12-13	Valid

CONTENTS

Description	Page
1. General Information	5
1.1. Applicant	5
1.2. Manufacturer	5
1.3. Testing Facility	5
1.4. Product Information	6
1.5. Radio Specification	6
2. Test Configuration	7
2.1. Test Mode	7
2.2. Test System Connection Diagram	7
2.3. Test Software	7
2.4. Applied Standards	8
2.5. Test Environment Condition	8
3. Antenna Requirements	9
4. Measuring Instrument	10
5. Decision Rules and Measurement Uncertainty	11
5.1. Decision Rules	11
5.2. Measurement Uncertainty	11
6. Test Result	12
6.1. Summary	12
6.2. AC Conducted Emissions Measurement	13
6.2.1. Test Limit	13
6.2.2. Test Setup	13
6.2.3. Test Result	13
6.3. Radiated Emission	14
6.3.1. Test Limit	14
6.3.2. Test Procedure	15
6.3.3. Test Setting	16
6.3.4. Test Setup	18
6.3.5. Test Result	20
6.4. 20dB Spectrum Bandwidth Measurement	21
6.4.1. Test Limit	21
6.4.2. Test Procedure	21
6.4.3. Test Setting	21
6.4.4. Test Setup	22
6.4.5. Test Result	22
Appendix A - Test Result	23
A.1 Radiated Emission Test Result	23

A.2	20dB Spectrum Bandwidth Test Result	48
Appendix B - Test Setup Photograph		49
Appendix C - EUT Photograph		53

1. General Information

1.1. Applicant

FlightScope (Pty) Ltd.

1 Quantum Street, Techno Park, Stellenbosch, 7600, South Africa

1.2. Manufacturer

FlightScope (Pty) Ltd.

1 Quantum Street, Techno Park, Stellenbosch, 7600, South Africa

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
	CNAS: L10551 ISED: CN0001
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
CNAS: L10551 ISED: CN0105	
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261
ISED: TW3261	

1.4. Product Information

Product Name	Mevo Gen2
Model No.	Mevo Gen2
EUT Identification No.	20241112Sample#05
Radar Specification	24083 ~ 24168MHz Radar
Antenna Specification	Refer to Section 1.5
Power Type	By Battery
Working Temperature Rang	0 ~ 40°C
Accessory	
Rechargeable Li-ion Battery	Model No.: PA-INB33-C17UL.4.2.R002 Ratings: 3.635VDC / 10.5Ah / 38.16Wh
Power Supply	Model No.: QFWC-45-20-USCR Input Power: 100 - 240V ~ 50/60Hz, 1.3A Output Power: 5V, 3.0A / 9.0V, 3.0A / 12.0V, 3.0A / 15.0V, 3.0A / 20.0V, 2.25A, 45.0W
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Working Frequency Range	24083 ~ 24168MHz
Modulation Type	CW
Antenna Type	Microstripline patch antenna
Antenna Gain	17dBi

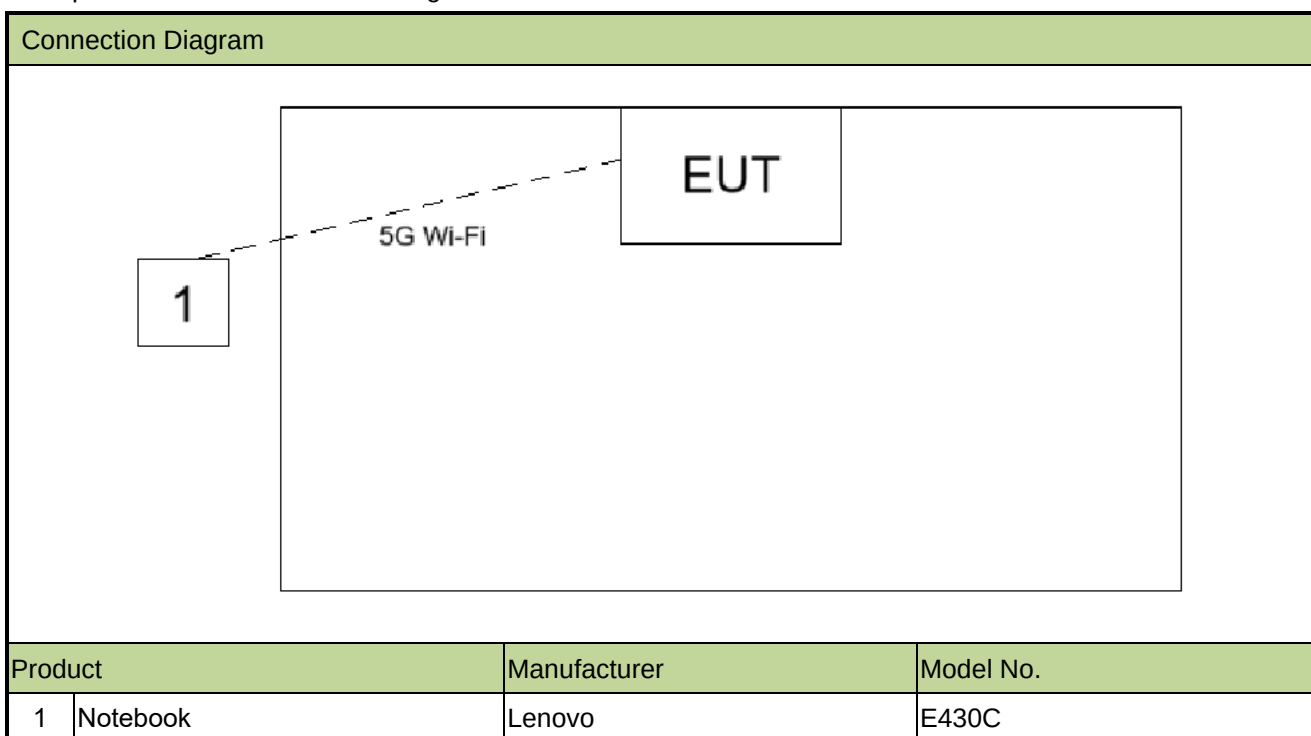
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at 24083MHz
Mode 2: Transmit at 24120MHz
Mode 3: Transmit at 24168MHz

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2020 was used to reference the appropriate EUT setup for radiated emissions testing.



2.3. Test Software

The test utility software used during testing was “FlightScope Tour Test”, the version was “1.0.0.1”

2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.245
- ANSI C63.10-2020

2.5. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

This unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2024-12-17	SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2025-05-08	SIP-AC3
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06599	1 year	2025-09-08	SIP-AC3
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2025-10-08	SIP-AC3
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2025-07-07	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2025-10-16	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2025-01-11	SIP-AC3
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06646	1 year	2025-07-29	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2024-12-21	SIP-AC3
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2025-01-27	SIP-AC3
Waveguide Harmonic Mixer	Keysight	M1970V	MRTSUE06271	3 years	2025-09-22	SIP-TR2
Waveguide Harmonic Mixer	Keysight	M1970W	MRTSUE06272	3 years	2025-09-29	SIP-TR2
mmWave Antenna	MI-WWAVE	261U-25/383	MRTSUE06273	N/A	N/A	SIP-TR2
Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2025-06-21	SIP-TR2
mmWave Antenna	A-INFO	LB-15-25-A	MRTSUE06409	N/A	N/A	SIP-TR2
mmWave Antenna	A-INFO	LB-10-25-A	MRTSUE06410	N/A	N/A	SIP-TR2
Thermohygrometer	testo	608-H1	MRTSUE11109	1 year	2025-03-05	SIP-TR2

Software	Version	Function
e3	230711	EMI Test Software
Controller_MF 7802BS	1.02	RE Antenna & turntable
MotorContor	V 2	mmw

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Radiated Emission Measurement

Measurement Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):

Coaxial:	9kHz~30MHz: 2.59dB
Coplanar:	9kHz~30MHz: 2.60dB
Horizontal:	30MHz~200MHz: 3.85dB
	200MHz~1GHz: 4.36dB
	1GHz~40GHz: 4.98dB
	40GHz~50GHz: 3.96dB
	50GHz~75GHz: 4.01dB
	75GHz~110GHz: 3.99dB
Vertical:	30MHz~200MHz: 4.06dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.91dB
	40GHz~50GHz: 3.86dB
	50GHz~75GHz: 3.89dB
	75GHz~110GHz: 3.87dB

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	N/A
15.209 15.245	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Radiated	Pass
15.215(c)	20dB Spectrum Bandwidth	Radiated	Pass

Notes:

1. The radiation measurements are performed in X, Y, Z axis positioning. The test results shown in the following sections represent the worst-case emissions.
2. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
3. "N/A" means that this item is not applicable, and the detail information refer to relevant section.

6.2. AC Conducted Emissions Measurement

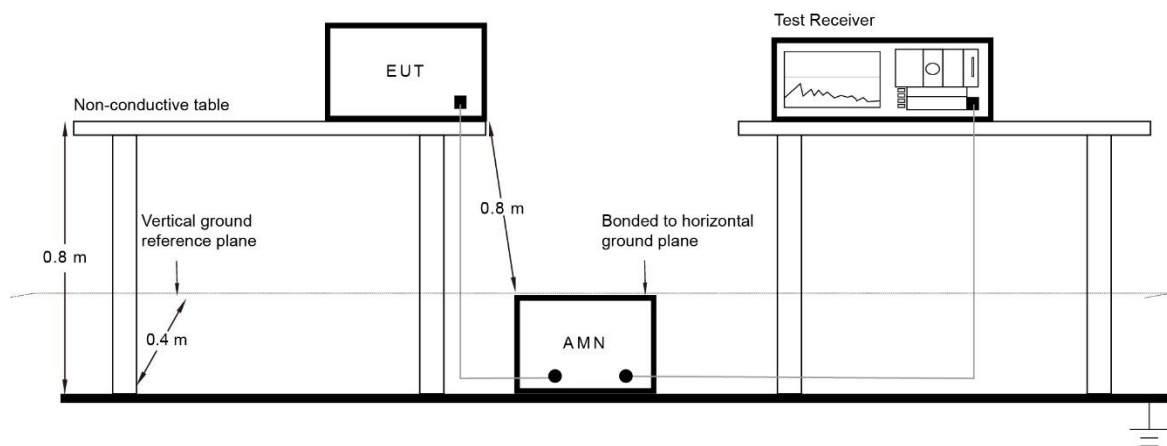
6.2.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBμV)	Average (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.2.2. Test Setup



6.2.3. Test Result

The EUT is powered by battery when the product is working normally. When the EUT is powered by adapter, the EUT only charges and the 24GHz Sensor does not work. So this requirement does not apply.

6.3. Radiated Emission

6.3.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.245		
Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (mV/m)
902 ~ 928	500	1.6
2435 ~ 2465	500	1.6
5785 ~ 5815	500	1.6
10500 ~ 10550	2500	25.0
24075 ~ 24175	2500	25.0
Note: FCC Part 15.245 (b)(3), Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.		

Harmonic emissions in the restricted bands at and above 17.7 GHz shall not exceed the following field strength limits:

- (i) For the second and third harmonics of field disturbance sensors operating in the 24075-24175 MHz band and for other field disturbance sensors designed for use only within a building or to open building doors, 25.0 mV/m.
- (ii) For all other field disturbance sensors, 7.5 mV/m.
- (iii) Field disturbance sensors designed to be used in motor vehicles or aircraft must include features to prevent continuous operation unless their emissions in the restricted bands, other than the second and third harmonics from devices operating in the 24075-24175 MHz band, fully comply with the limits given in FCC Part 15.209. Continuous operation of field disturbance sensors designed to be used in farm equipment, vehicles such as fork lifts that are intended primarily for use indoors or for very specialized operations, or railroad locomotives, railroad cars and other equipment which travels on fixed tracks is permitted. A field disturbance sensor will be considered not to be operating in a continuous mode if its operation is limited to specific activities of limited duration (e.g., putting a vehicle into reverse gear, activating a turn signal, etc.).

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 ~ 0.490	$2400/F(\text{kHz})$	300
0.490 ~ 1.705	$24000/F(\text{kHz})$	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength ($\text{dB}\mu\text{V/m}$) = $20 \log$ E field strength ($\mu\text{V/m}$).

6.3.2. Test Procedure

ANSI C63.10-2020 Section 6.3

ANSI C63.10-2020 Section 6.4

ANSI C63.10-2020 Section 6.5

ANSI C63.10-2020 Section 6.6

ANSI C63.10-2020 Section 9.10

Note: Far-field boundary calculation as below.

According to ANSI C63.10-2020, Clause 9.1.4, All measurements shall be made in the far-field of the measurement antenna. The far-field boundary for mm-wave antennas is $2D^2/\lambda$.

- For spurious and harmonic emissions testing, D is the largest antenna dimension of the measurement antenna in m;
For fundamental or out-of-band emissions, D is the largest antenna dimension of the EUT antenna or measurement antenna, whichever is largest.
- λ is the wavelength in m.

Far-field boundary calculation			
Frequency Range (GHz)	λ (m)	D (m)	$R_{(\text{Far Field})}$ (m)
24.00 ~ 24.25	0.012	0.096	1.536
40.00 ~ 50.00	0.006	0.046	0.705
50.00 ~ 75.00	0.004	0.036	0.648
75.00 ~ 100.00	0.0027	0.026	0.501

For 24.075 ~ 24.175GHz, Our measurement is performed at a minimum distance of 3.0m > $R_{(\text{Far Field})}$.

For 40.00 ~ 100.00GHz, Our measurement is performed at a minimum distance of 0.85m > $R_{(\text{Far Field})}$.

6.3.3. Test Setting

Measurement of harmonic and spurious emissions above 40 GHz

1. Connect the test antenna covering the appropriate frequency range to a spectrum analyzer via an external mixer.
2. Set spectrum analyzer RBW = 1MHz, VBW = 3MHz, peak & average detector.
3. Maximize all observed emissions. Note the maximum power indicated on the spectrum analyzer. Adjust this reading, if necessary, by the conversion loss of the external mixer used at the frequency under investigation and the external mixer IF cable loss.
4. Calculate the maximum field strength of the emission at the measurement distance.
5. Calculate the power density at the distance specified by the limit from the field strength at the distance specified by the limit.
6. Repeat the preceding sequence for every emission observed in the frequency band under investigation.

Measurement of harmonic and spurious emissions below 40 GHz

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 x RBW
4. Detector = Peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

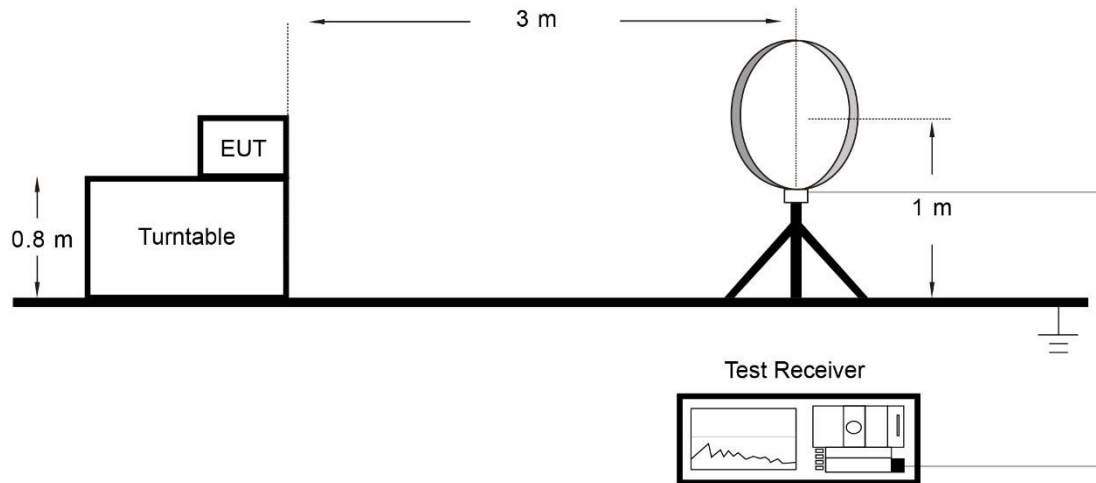
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

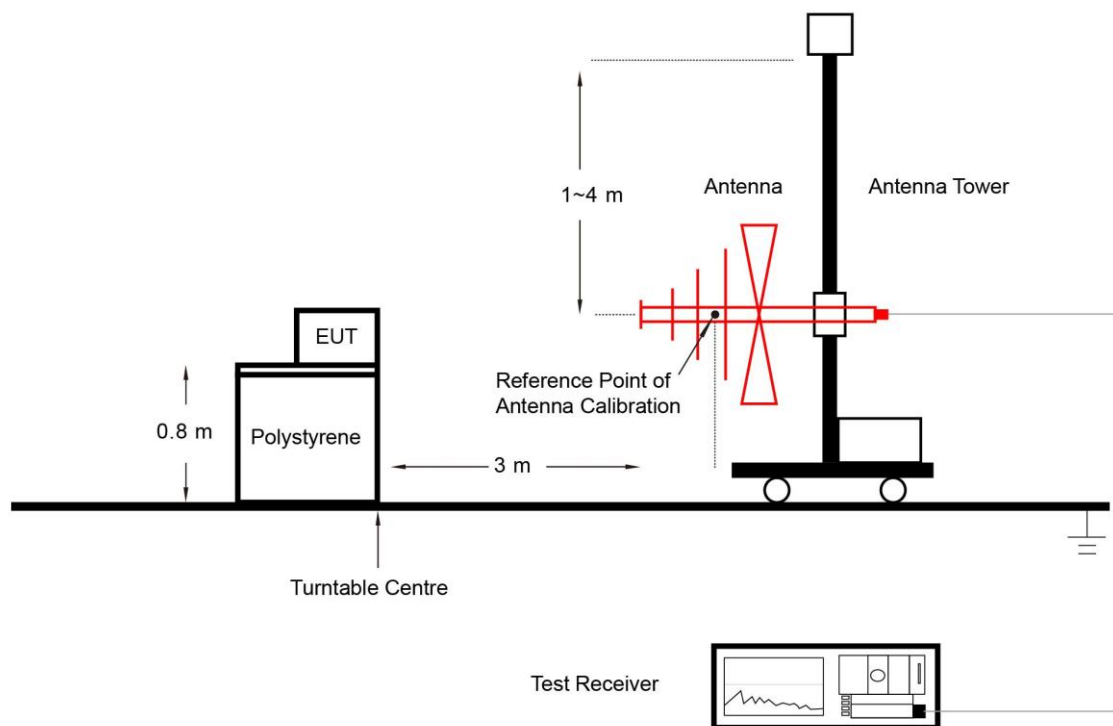
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. Set the VBW $\geq 3 \times$ RBW
4. Detector function = Average
5. Sweep time = auto couple
6. Trace mode = Average

6.3.4. Test Setup

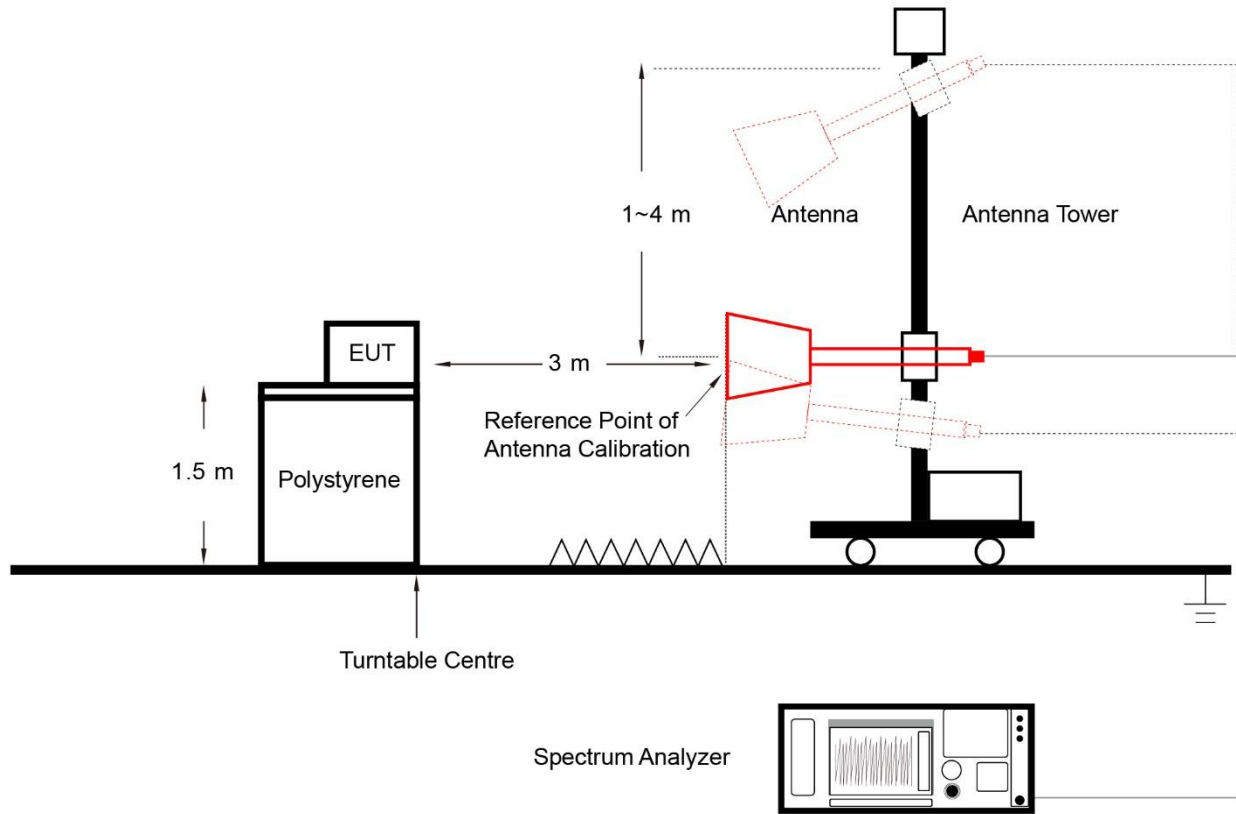
Below 30MHz Test Setup:



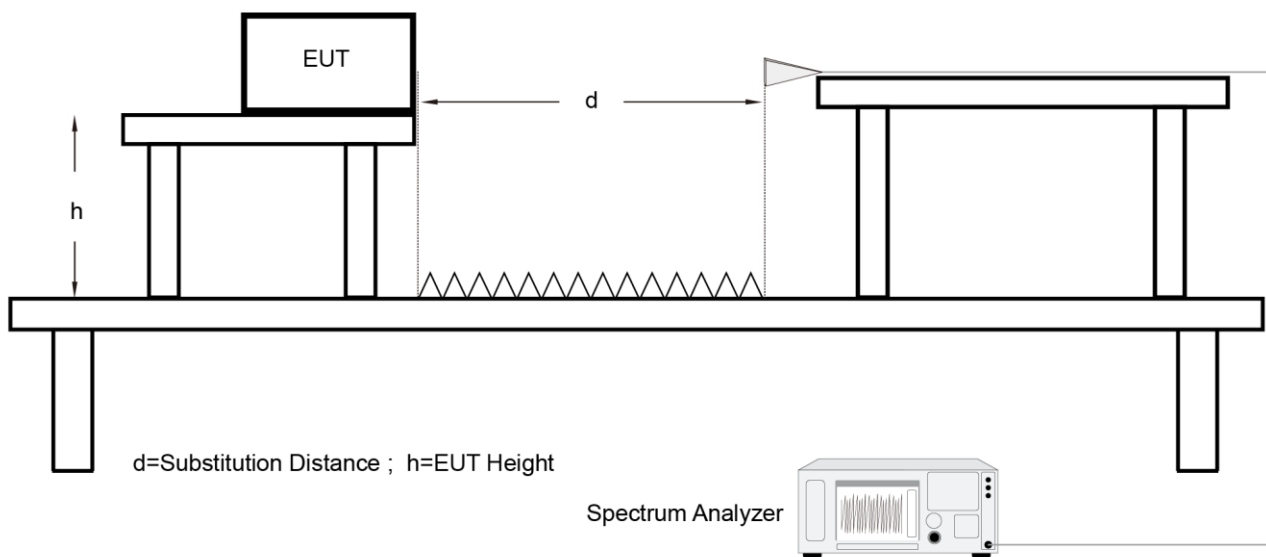
Below 1GHz Test Setup:



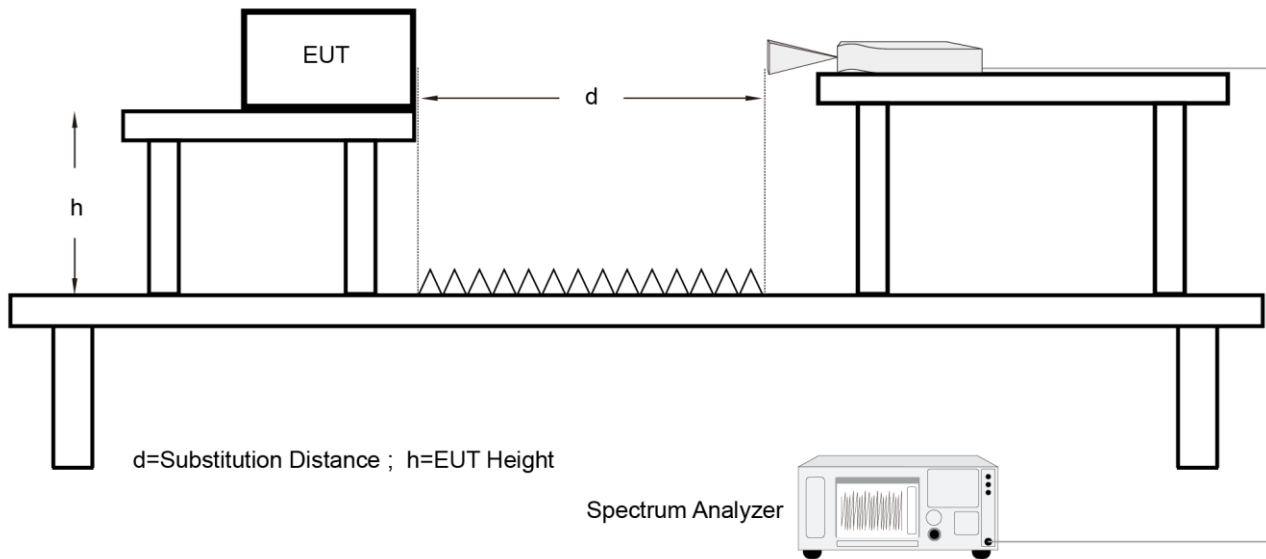
1GHz ~ 40GHz Test Setup:



40GHz ~ 50GHz Test Setup:



Above 50GHz Test Setup:



6.3.5. Test Result

Refer to Appendix A.1.

6.4. 20dB Spectrum Bandwidth Measurement

6.4.1. Test Limit

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emission in the specific band.

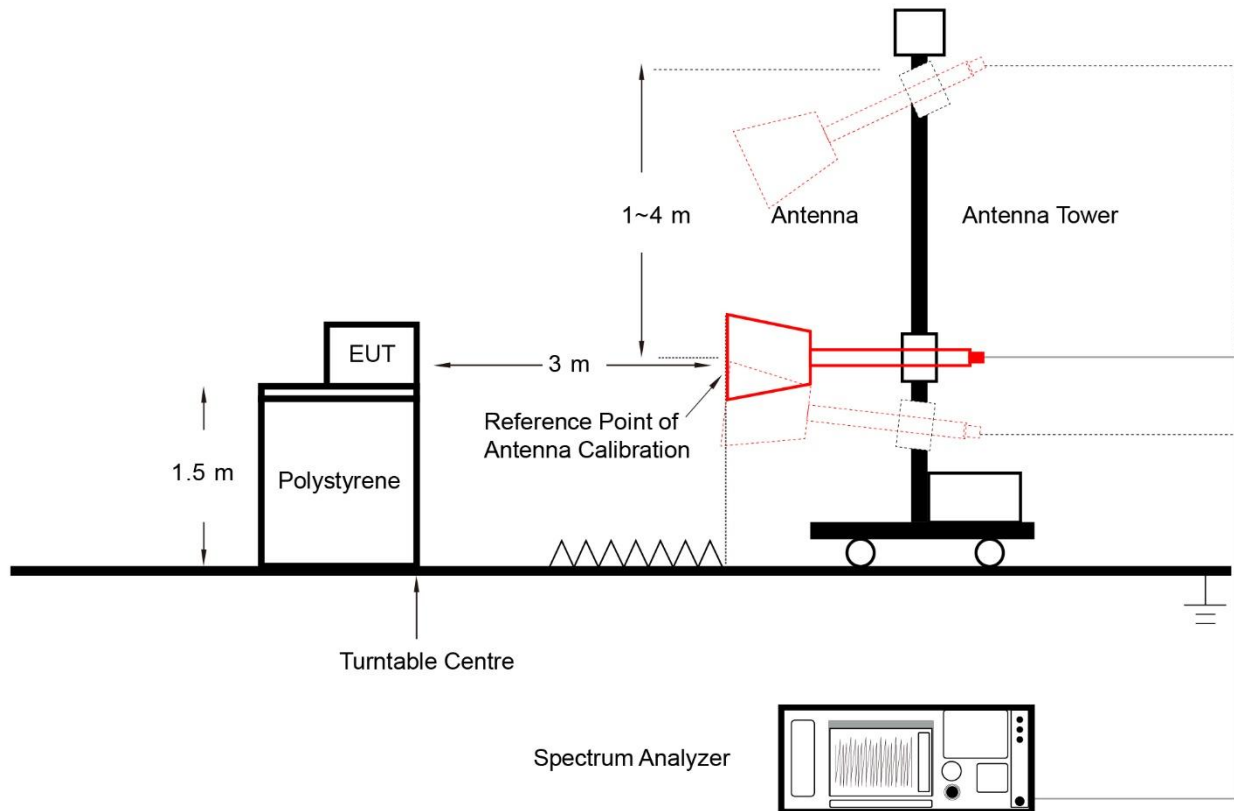
6.4.2. Test Procedure

ANSI C63.10-2020 Clause 6.9.2

6.4.3. Test Setting

1. Set the spectrum span range to overlap the nominal center frequency
2. Set RBW = 1% ~ 5% of the OBW
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize and marker the highest level
8. Use Occupied BW function to determine two frequencies, one at the lowest frequency and the other at the highest frequency

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.2.

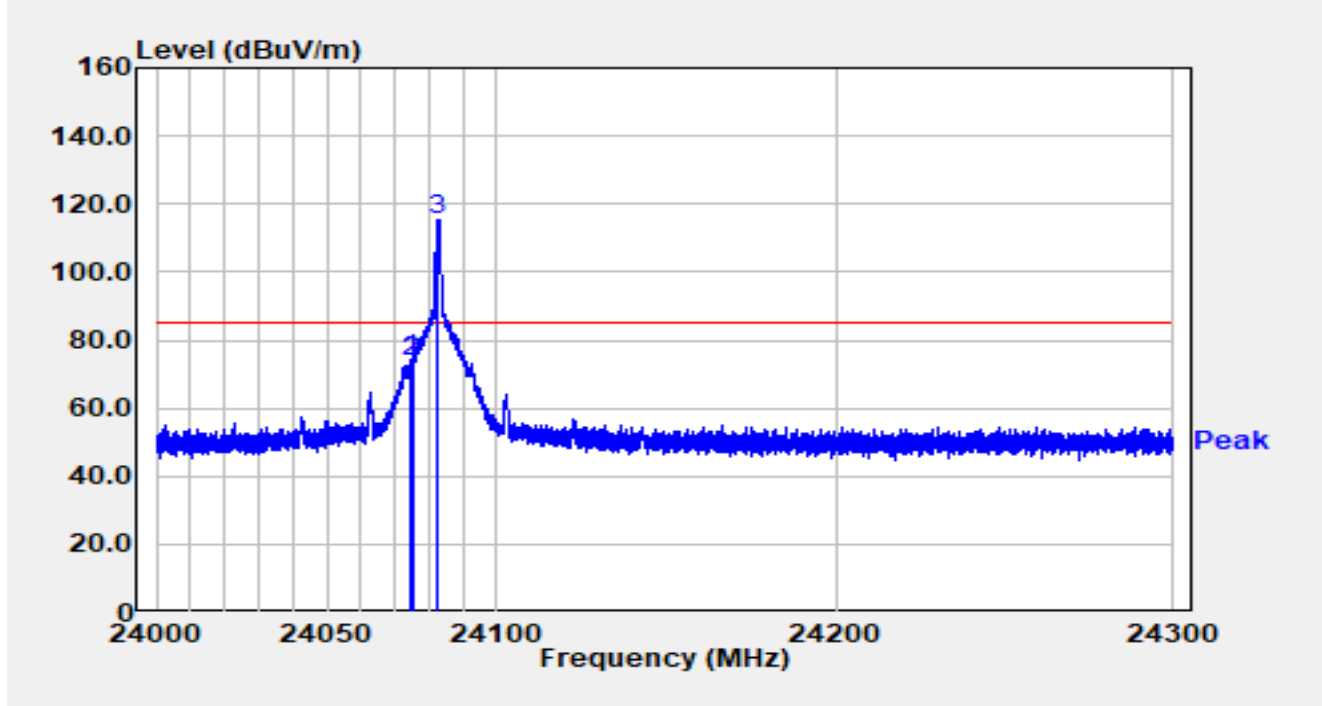
Appendix A - Test Result

A.1 Radiated Emission Test Result

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-03 ~ 2024-12-06		

Frequency Band (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level @3m (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Result
Fundamental Radiated Emission (Horizontal)							
24083	123.7	-8.5	115.2	148.0	-32.8	Peak	Pass
	123.6	-8.5	115.1	128.0	-12.9	Average	Pass
24120	124.6	-8.5	116.1	148.0	-31.9	Peak	Pass
	124.2	-8.5	115.7	128.0	-12.3	Average	Pass
24168	123.8	-8.5	115.3	148.0	-32.7	Peak	Pass
	123.8	-8.5	115.3	128.0	-12.7	Average	Pass
Fundamental Radiated Emission (Vertical)							
24083	107.8	-8.5	99.3	148.0	-48.7	Peak	Pass
	107.7	-8.5	99.2	128.0	-28.8	Average	Pass
24120	110.5	-8.5	102.0	148.0	-46.0	Peak	Pass
	110.1	-8.5	101.6	128.0	-26.4	Average	Pass
24168	104.9	-8.5	96.4	148.0	-51.6	Peak	Pass
	104.6	-8.5	96.1	128.0	-31.9	Average	Pass
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)							

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24083MHz		

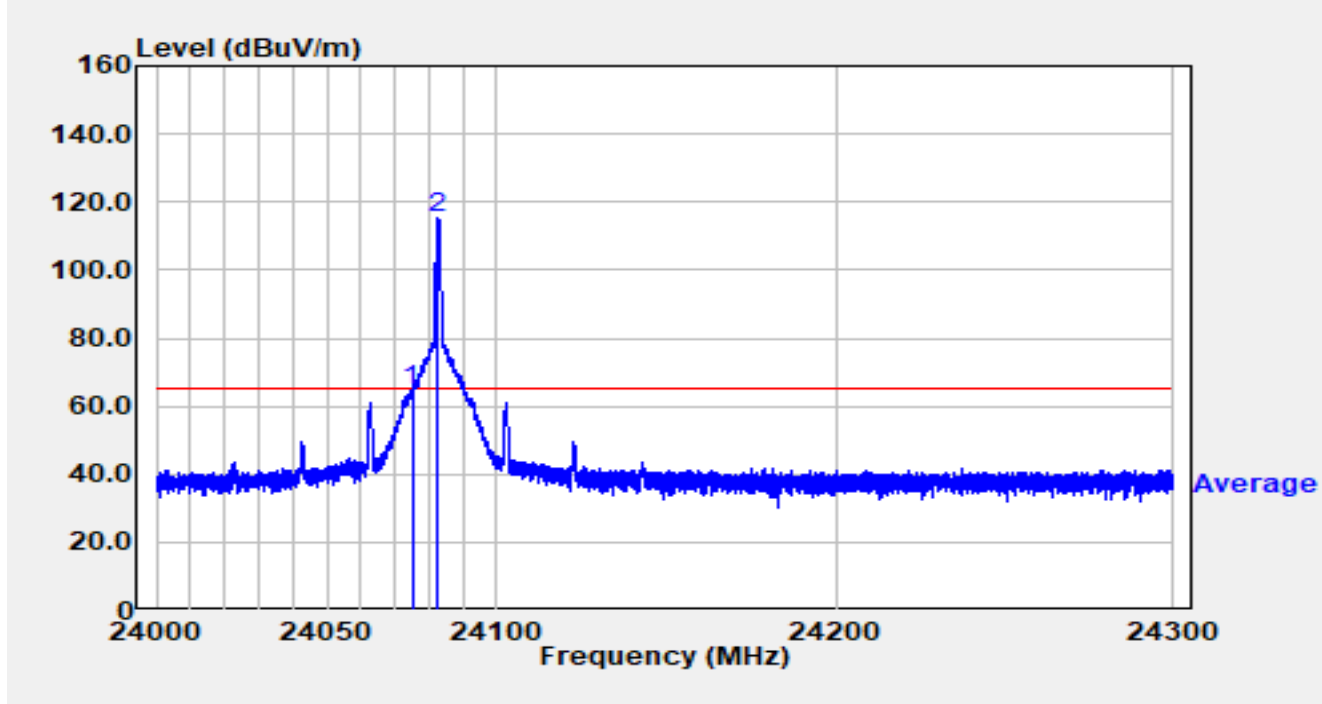


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	24074.700	82.77	-8.59	74.19	-10.88	85.07	Peak
2		24075.000	82.06	-8.58	73.48	-11.59	85.07	Peak
3		24082.740	123.67	-8.50	115.17	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24083MHz		

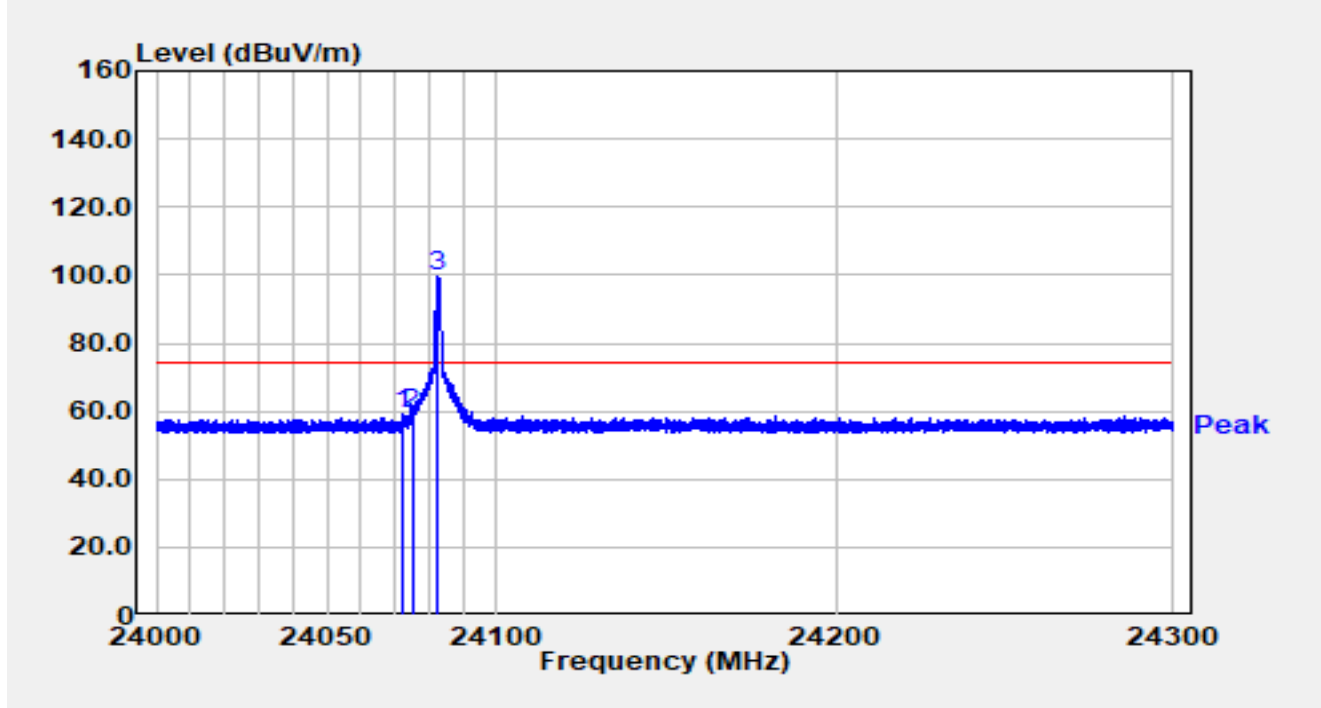


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	24075.000	72.91	-8.58	64.32	-0.75	65.07	Average
2		24082.740	123.56	-8.50	115.07	N/A	N/A	Average

Notes:

- "*", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24083MHz		

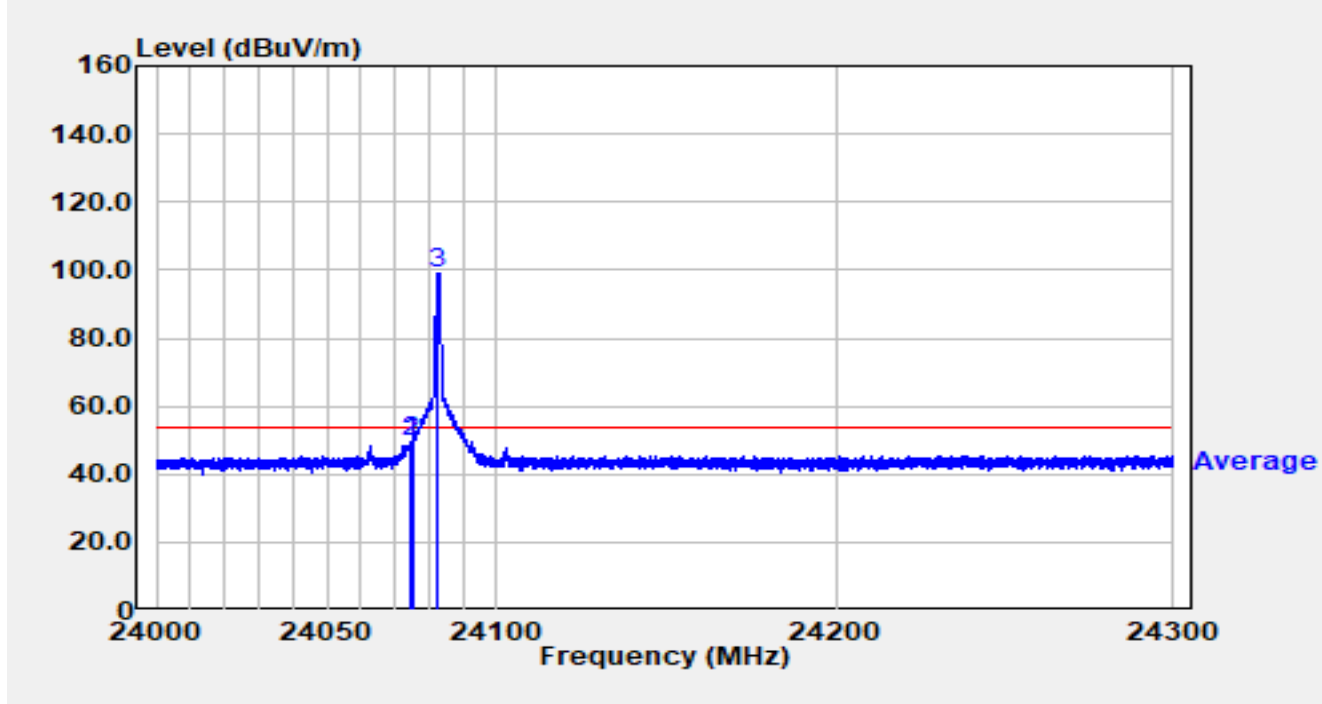


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	24072.480	68.06	-8.61	59.45	-14.55	74.00	Peak
2		24075.000	67.69	-8.58	59.11	-14.89	74.00	Peak
3		24082.740	107.83	-8.50	99.34	N/A	N/A	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24083MHz		

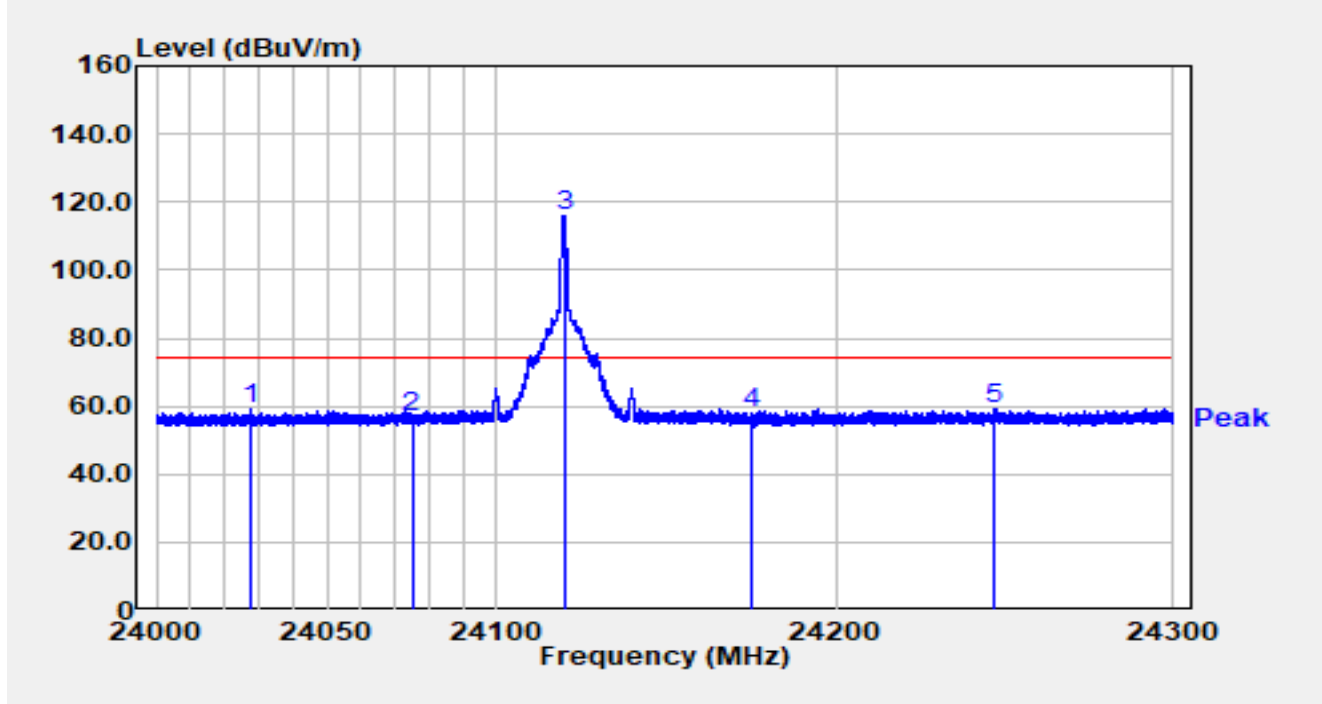


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	24074.580	58.24	-8.59	49.65	-4.35	54.00	Average
2		24075.000	57.89	-8.58	49.30	-4.70	54.00	Average
3		24082.710	107.70	-8.50	99.21	N/A	N/A	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-06
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24120MHz		

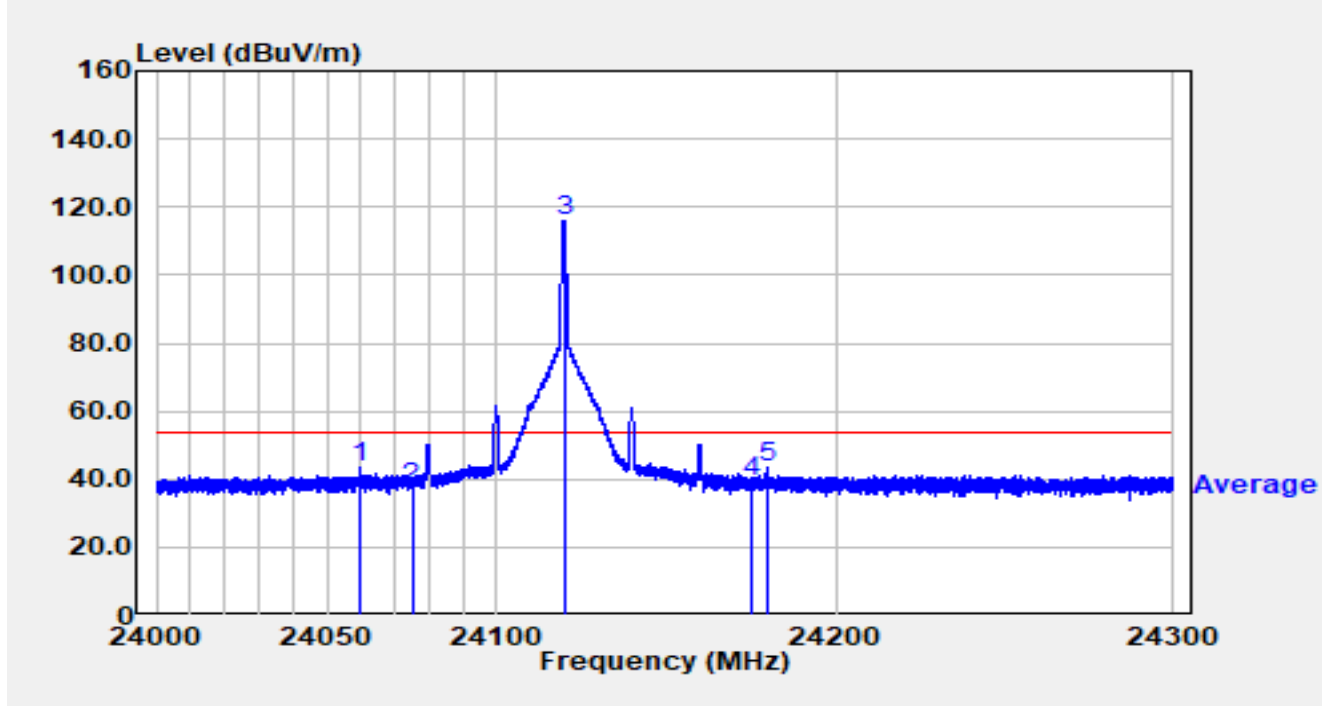


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24027.420	68.25	-8.84	59.41	-14.59	74.00	Peak
2		24075.000	65.15	-8.58	56.57	-17.43	74.00	Peak
3		24119.760	124.59	-8.52	116.07	N/A	N/A	Peak
4		24175.000	66.33	-8.65	57.68	-16.32	74.00	Peak
5	*	24246.810	67.81	-8.39	59.42	-14.58	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-06
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24120MHz		

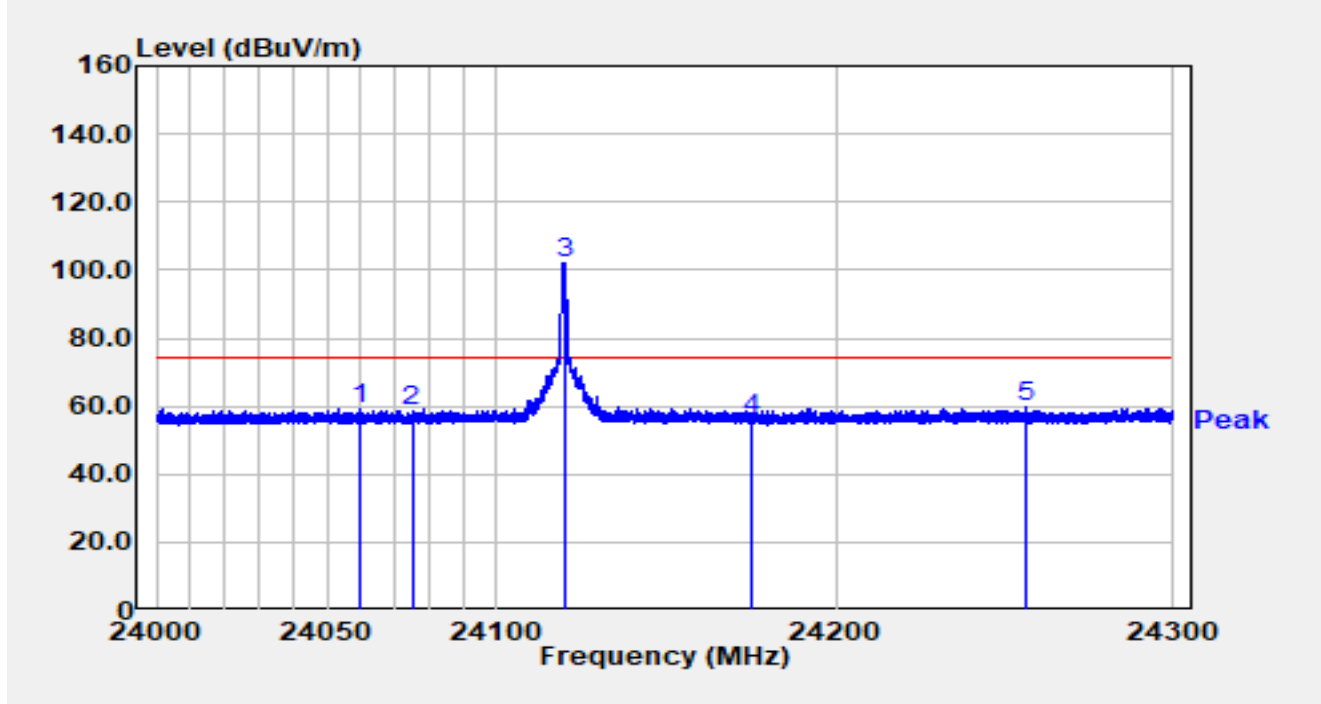


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	24059.730	52.32	-8.56	43.76	-10.24	54.00	Average
2		24075.000	46.12	-8.58	37.53	-16.47	54.00	Average
3		24119.730	124.22	-8.52	115.70	N/A	N/A	Average
4		24175.000	47.71	-8.65	39.06	-14.94	54.00	Average
5		24179.790	52.10	-8.74	43.37	-10.63	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-06
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24120MHz		

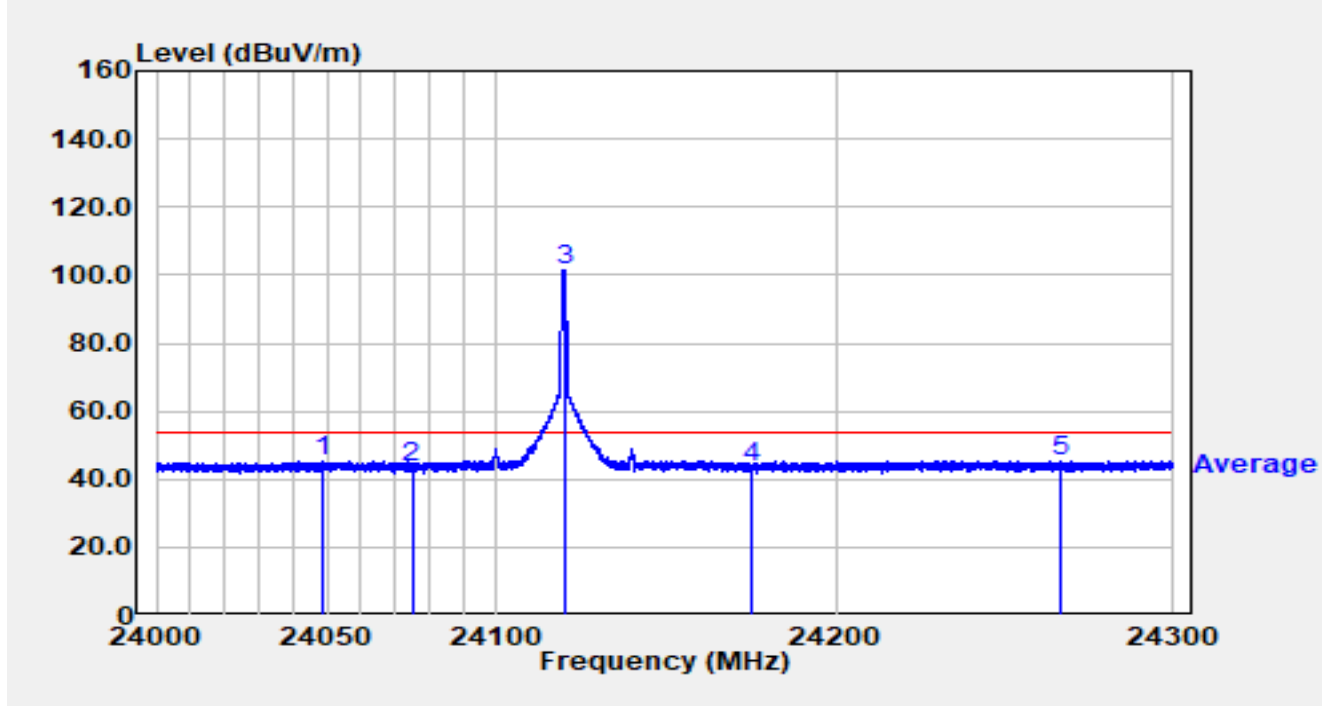


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24059.910	67.90	-8.56	59.34	-14.66	74.00	Peak
2		24075.000	67.04	-8.58	58.46	-15.54	74.00	Peak
3		24119.760	110.51	-8.52	101.99	N/A	N/A	Peak
4		24175.000	65.00	-8.65	56.35	-17.65	74.00	Peak
5	*	24256.530	68.06	-8.45	59.60	-14.40	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-06
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24120MHz		

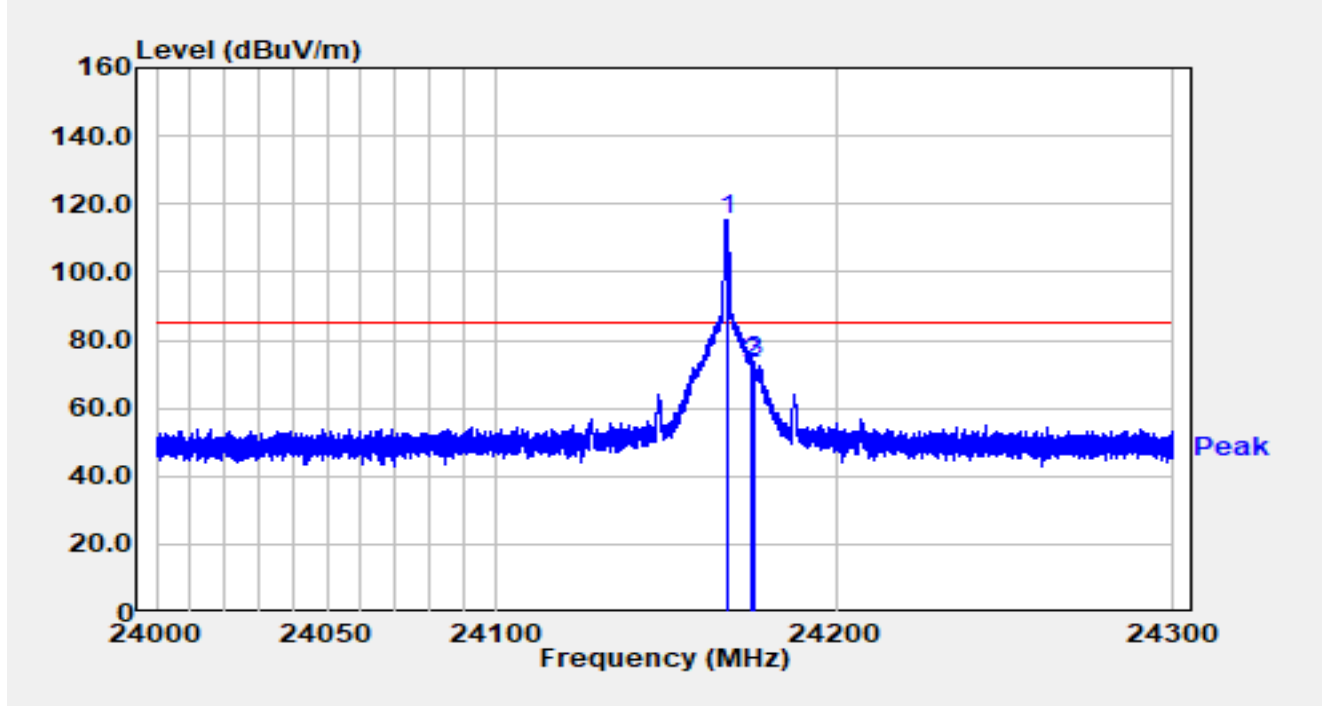


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24049.020	53.67	-8.53	45.14	-8.86	54.00	Average
2		24075.000	52.26	-8.58	43.67	-10.33	54.00	Average
3		24119.730	110.08	-8.52	101.56	N/A	N/A	Average
4		24175.000	52.04	-8.65	43.39	-10.61	54.00	Average
5	*	24266.640	53.87	-8.54	45.33	-8.67	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24168MHz		

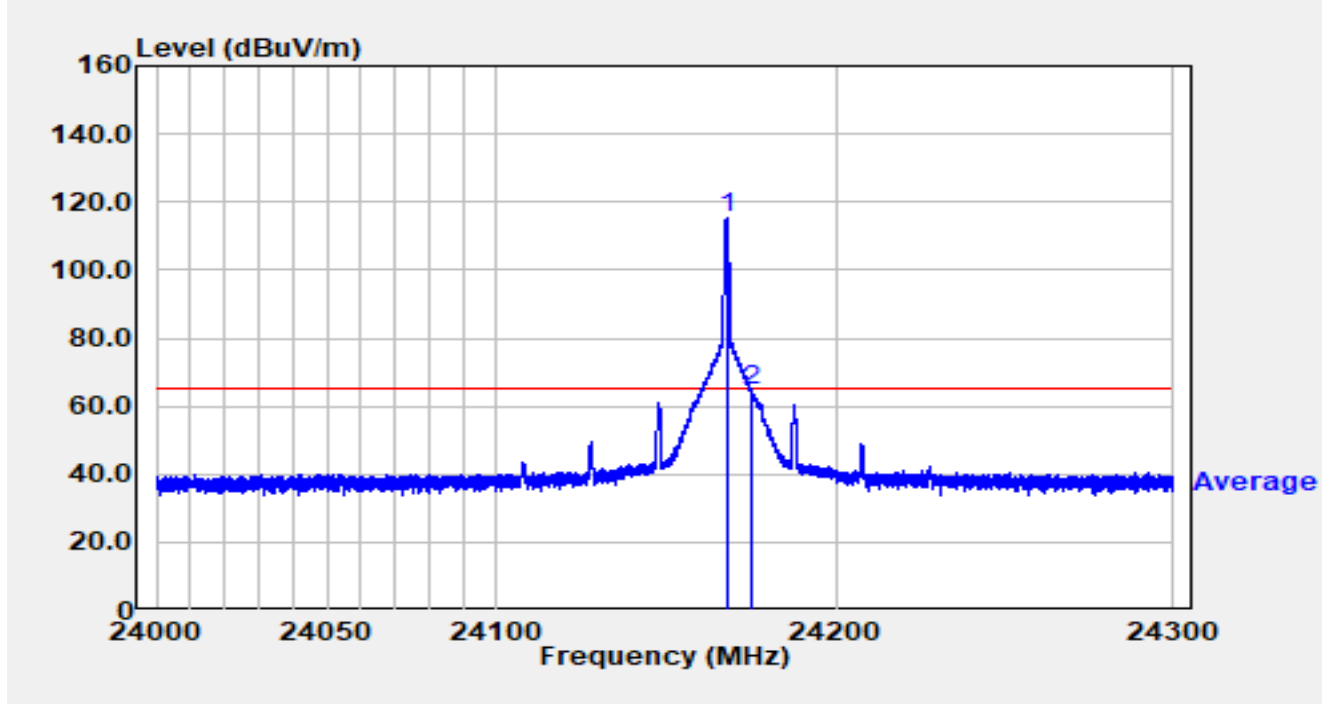


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24167.700	123.82	-8.52	115.30	N/A	N/A	Peak
2		24175.000	81.83	-8.65	73.18	-12.06	85.24	Peak
3	*	24175.680	82.29	-8.66	73.63	-11.61	85.24	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24168MHz		

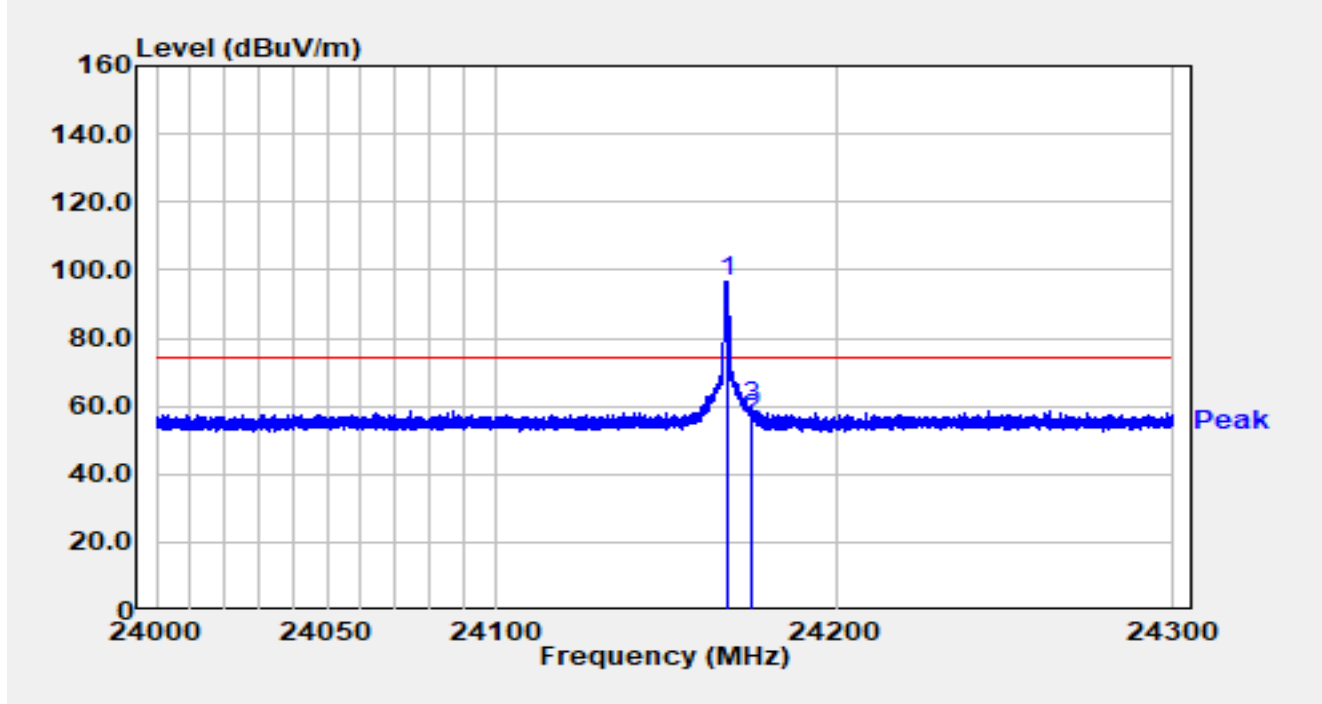


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24167.730	123.76	-8.52	115.24	N/A	N/A	Average
2	*	24175.000	73.09	-8.65	64.44	-0.80	65.24	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_PK	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24168MHz		

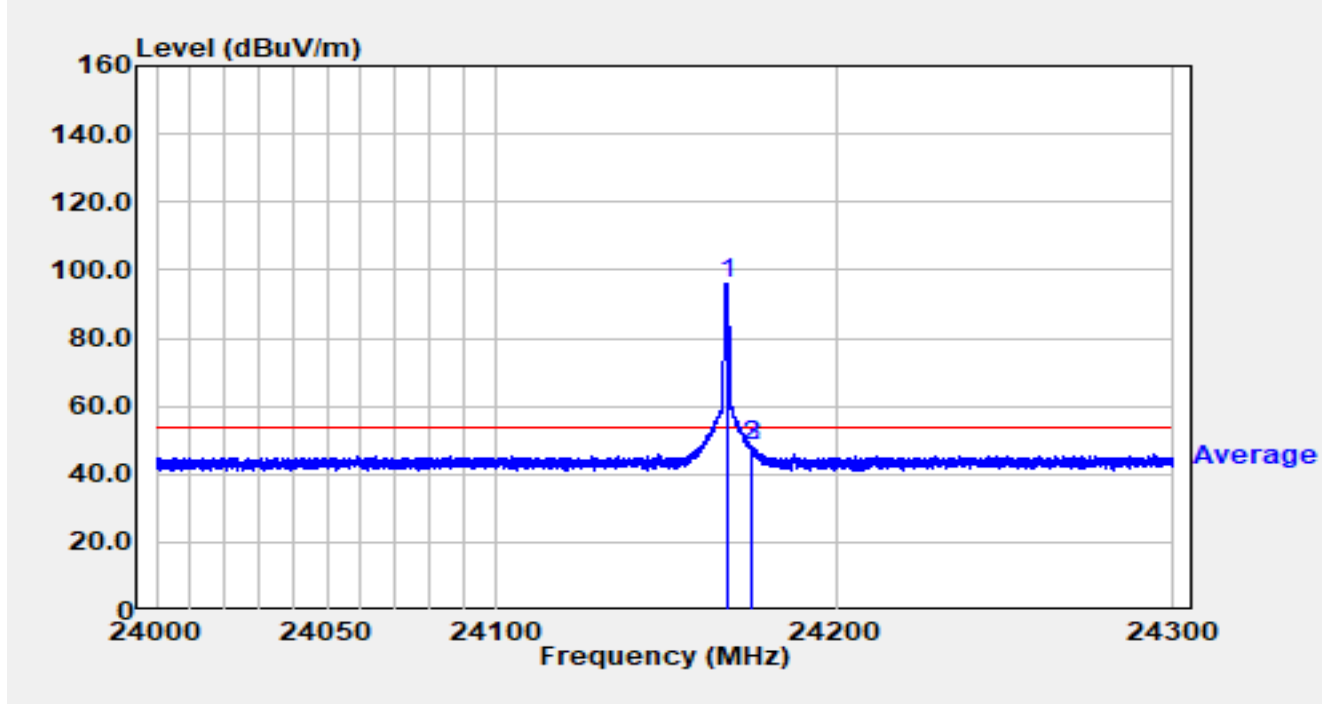


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24167.730	104.89	-8.52	96.37	N/A	N/A	Peak
2		24175.000	65.00	-8.65	56.35	-17.65	74.00	Peak
3	*	24175.320	68.23	-8.66	59.57	-14.43	74.00	Peak

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-03
Temperature	16.3°C	Humidity	40.2%
Limit	FCC_Part15.245_RSE(3m)_AV	Test Engineer	Barry Wu
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	Mevo Gen2	Test Voltage	By Battery
Test Mode	Transmit at 24168MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		24167.730	104.64	-8.52	96.12	N/A	N/A	Average
2		24175.000	56.73	-8.65	48.08	-5.92	54.00	Average
3	*	24175.110	56.86	-8.65	48.21	-5.79	54.00	Average

Notes:

1. " *", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-05	Test Frequency Range	Below 1GHz
Test Mode	Mode 1		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
288.0	21.5	18.4	39.9	46.0	-6.1	QP	Horizontal
316.8	19.3	19.1	38.4	46.0	-7.6	QP	Horizontal
336.0	20.6	19.5	40.1	46.0	-5.9	QP	Horizontal
384.1	21.3	20.5	41.8	46.0	-4.2	QP	Horizontal
672.1	13.6	26.2	39.8	46.0	-6.2	QP	Horizontal
720.2	13.3	27.2	40.5	46.0	-5.5	QP	Horizontal
288.0	18.1	18.4	36.5	46.0	-9.5	QP	Vertical
384.1	14.0	20.5	34.5	46.0	-11.5	QP	Vertical
480.0	11.3	22.6	33.9	46.0	-12.1	QP	Vertical
610.1	10.1	25.6	35.7	46.0	-10.3	QP	Vertical
672.1	13.6	26.2	39.8	46.0	-6.2	QP	Vertical
720.2	7.5	27.2	34.7	46.0	-11.3	QP	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).
- The amplitude of radiated emissions (frequency range from 9KHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.
- Test Distance “d” = 3m, Test height “h” = 0.8m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-11-30 ~ 2024-12-05	Test Frequency Range	Below 1GHz
Test Mode	Mode 2		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
288.0	23.5	18.4	41.9	46.0	-4.1	QP	Horizontal
316.8	20.1	19.1	39.2	46.0	-6.8	QP	Horizontal
336.0	20.4	19.5	39.9	46.0	-6.1	QP	Horizontal
384.1	20.4	20.5	40.9	46.0	-5.1	QP	Horizontal
672.1	11.2	26.2	37.4	46.0	-8.6	QP	Horizontal
720.2	12.2	27.2	39.4	46.0	-6.6	QP	Horizontal
288.0	18.2	18.4	36.6	46.0	-9.4	QP	Vertical
384.1	15.3	20.5	35.8	46.0	-10.2	QP	Vertical
480.0	13.7	22.6	36.3	46.0	-9.7	QP	Vertical
576.0	11.8	24.6	36.4	46.0	-9.6	QP	Vertical
610.1	10.7	25.6	36.3	46.0	-9.7	QP	Vertical
672.1	14.0	26.2	40.2	46.0	-5.8	QP	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).
- The amplitude of radiated emissions (frequency range from 9KHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.
- Test Distance “d” = 3m, Test height “h” = 0.8m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-05	Test Frequency Range	Below 1GHz
Test Mode	Mode 3		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
288.0	21.5	18.4	39.9	46.0	-6.1	QP	Horizontal
316.8	18.8	19.1	37.9	46.0	-8.1	QP	Horizontal
336.0	20.1	19.5	39.6	46.0	-6.4	QP	Horizontal
384.1	21.3	20.5	41.8	46.0	-4.2	QP	Horizontal
672.1	13.9	26.2	40.1	46.0	-5.9	QP	Horizontal
720.2	13.5	27.2	40.7	46.0	-5.3	QP	Horizontal
288.0	16.3	18.4	34.7	46.0	-11.3	QP	Vertical
384.1	14.6	20.5	35.1	46.0	-10.9	QP	Vertical
480.0	12.1	22.6	34.7	46.0	-11.3	QP	Vertical
610.1	10.7	25.6	36.3	46.0	-9.7	QP	Vertical
672.1	14.8	26.2	41.0	46.0	-5.0	QP	Vertical
720.2	8.4	27.2	35.6	46.0	-10.4	QP	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).
- The amplitude of radiated emissions (frequency range from 9KHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.
- Test Distance "d" = 3m, Test height "h" = 0.8m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06	Test Frequency Range	1 ~18 GHz
Test Mode	Mode 1		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11045.3	48.7	0.4	49.1	74.0	-24.9	Peak	Horizontal
14030.5	47.5	3.1	50.6	74.0	-23.4	Peak	Horizontal
17605.6	45.3	8.3	53.6	74.0	-20.4	Peak	Horizontal
17605.6	33.5	8.3	41.8	54.0	-12.2	Average	Horizontal
10853.2	48.0	0.9	48.9	74.0	-25.1	Peak	Vertical
12651.8	49.5	-0.6	48.9	74.0	-25.1	Peak	Vertical
16294.9	46.6	6.0	52.6	74.0	-21.4	Peak	Vertical
16294.9	32.6	6.0	38.6	54.0	-15.4	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-11-30	Test Frequency Range	1 ~ 18 GHz
Test Mode	Mode 2		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11055.5	48.4	0.8	49.2	74.0	-24.8	Peak	Horizontal
15580.9	46.9	5.8	52.7	74.0	-21.3	Peak	Horizontal
15580.9	34.5	5.8	40.3	54.0	-13.7	Average	Horizontal
17966.0	43.8	10.5	54.3	74.0	-19.7	Peak	Horizontal
17966.0	33.1	10.5	43.6	54.0	-10.4	Average	Horizontal
10406.1	48.6	0.4	49.0	74.0	-25.0	Peak	Vertical
14236.2	48.1	3.2	51.3	74.0	-22.7	Peak	Vertical
14236.2	34.1	3.2	37.3	54.0	-16.7	Average	Vertical
17848.7	44.4	9.5	53.9	74.0	-20.1	Peak	Vertical
17848.7	33.4	9.5	42.9	54.0	-11.1	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06	Test Frequency Range	1 ~ 18 GHz
Test Mode	Mode 3		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11064.0	48.3	1.1	49.4	74.0	-24.6	Peak	Horizontal
14205.6	47.1	2.8	49.9	74.0	-24.1	Peak	Horizontal
16296.6	46.0	6.0	52.0	74.0	-22.0	Peak	Horizontal
16296.6	33.2	6.0	39.2	54.0	-14.8	Average	Horizontal
11485.6	48.4	0.8	49.2	74.0	-24.8	Peak	Vertical
14261.7	47.2	2.8	50.0	74.0	-24.0	Peak	Vertical
15965.1	45.8	6.5	52.3	74.0	-21.7	Peak	Vertical
15965.1	33.6	6.5	40.1	54.0	-13.9	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06	Test Frequency Range	18 ~ 40 GHz
Test Mode	Mode 1		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
19050.4	58.6	-11.3	47.3	74.0	-26.7	Peak	Horizontal
20416.0	57.0	-10.4	46.6	74.0	-27.4	Peak	Horizontal
22635.8	56.4	-8.6	47.8	74.0	-26.2	Peak	Horizontal
19694.3	57.9	-11.6	46.3	74.0	-27.7	Peak	Vertical
21519.9	56.2	-9.9	46.3	74.0	-27.7	Peak	Vertical
23103.6	55.5	-8.5	47.0	74.0	-27.0	Peak	Vertical
30311.9	58.7	-8.5	50.2	74.0	-23.8	Peak	Horizontal
35375.9	44.5	-6.5	38.0	54.0	-16.0	Average	Horizontal
35375.9	58.1	-6.5	51.6	74.0	-22.4	Peak	Horizontal
38996.7	53.7	-0.2	53.5	74.0	-20.5	Peak	Horizontal
38996.7	41.3	-0.2	41.1	54.0	-12.9	Average	Horizontal
30470.2	57.8	-8.3	49.5	74.0	-24.5	Peak	Vertical
35371.2	57.9	-6.5	51.4	74.0	-22.6	Peak	Vertical
35371.2	45.1	-6.5	38.6	54.0	-15.4	Average	Vertical
39243.6	53.8	0.7	54.5	74.0	-19.5	Peak	Vertical
39243.6	41.4	0.7	42.1	54.0	-11.9	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06	Test Frequency Range	18 ~ 40 GHz
Test Mode	Mode 2		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
19516.9	58.5	-11.7	46.8	74.0	-27.2	Peak	Horizontal
20646.9	56.9	-10.7	46.2	74.0	-27.8	Peak	Horizontal
22298.7	56.6	-8.9	47.7	74.0	-26.3	Peak	Horizontal
18814.7	58.7	-11.1	47.6	74.0	-26.4	Peak	Vertical
21322.4	56.7	-9.9	46.8	74.0	-27.2	Peak	Vertical
23107.3	55.9	-8.5	47.4	74.0	-26.6	Peak	Vertical
29780.2	58.5	-8.9	49.6	74.0	-24.4	Peak	Horizontal
35567.4	58.2	-6.0	52.2	74.0	-21.8	Peak	Horizontal
35567.4	44.1	-6.0	38.1	54.0	-15.9	Average	Horizontal
39257.8	52.9	0.9	53.8	74.0	-20.2	Peak	Horizontal
39257.8	41.2	0.9	42.1	54.0	-11.9	Average	Horizontal
30482.9	59.1	-8.5	50.6	74.0	-23.4	Peak	Vertical
36839.8	57.8	-5.2	52.6	74.0	-21.4	Peak	Vertical
36839.8	44.6	-5.2	39.4	54.0	-14.6	Average	Vertical
39251.5	53.1	1.2	54.3	74.0	-19.7	Peak	Vertical
39251.5	41.6	1.2	42.8	54.0	-11.2	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06	Test Frequency Range	18 ~ 40 GHz
Test Mode	Mode 3		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
19044.9	57.7	-11.2	46.5	74.0	-27.5	Peak	Horizontal
20414.2	57.7	-10.5	47.2	74.0	-26.8	Peak	Horizontal
22667.4	55.4	-8.4	47.0	74.0	-27.0	Peak	Horizontal
18834.7	57.7	-11.5	46.2	74.0	-27.8	Peak	Vertical
20404.5	57.2	-10.7	46.5	74.0	-27.5	Peak	Vertical
22535.0	55.4	-8.5	46.9	74.0	-27.1	Peak	Vertical
30854.7	58.6	-8.8	49.8	74.0	-24.2	Peak	Horizontal
35532.6	57.3	-5.9	51.4	74.0	-22.6	Peak	Horizontal
35532.6	44.7	-5.9	38.8	54.0	-15.2	Average	Horizontal
38699.2	41.4	-1.7	39.7	54.0	-14.3	Average	Horizontal
38699.2	55.4	-1.7	53.7	74.0	-20.3	Peak	Horizontal
29984.4	58.5	-8.5	50.0	74.0	-24.0	Peak	Vertical
32725.3	59.2	-9.4	49.8	74.0	-24.2	Peak	Vertical
32725.3	44.5	-9.4	35.1	54.0	-18.9	Average	Vertical
38901.8	55.2	-1.0	54.2	74.0	-19.8	Peak	Vertical
38901.8	41.4	-1.0	40.4	54.0	-13.6	Average	Vertical

Notes:

- Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)
- Average measurement was not performed when the peak level lower than average limit
- Test Distance "d" = 3m, Test height "h" = 1.5m

Test Site	SIP-TR2	Test Engineer	Alisa Deng
Test Date	2024-12-05	Test Frequency Range	40 ~ 100 GHz
Test Mode	Mode 1		

Frequency (MHz)	Reading Level @ 0.85m (dBμV)	Factor (dB/m)	Measure Level @ 0.85m (dBμV/m)	Measure Level @ 3m (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
48.165	27.090	46.14	73.23	62.28	107.96	-45.68	Peak	Horizontal
48.165	21.535	46.14	67.68	56.72	87.96	-31.24	Average	Horizontal
48.165	35.230	46.14	81.37	70.42	107.96	-37.54	Peak	Vertical
48.165	32.748	46.14	78.89	67.93	87.96	-20.03	Average	Vertical
72.248	29.420	42.37	71.79	60.84	107.96	-47.12	Peak	Horizontal
72.248	20.904	42.37	63.27	52.32	87.96	-35.64	Average	Horizontal
72.249	31.650	42.37	74.02	63.07	107.96	-44.89	Peak	Vertical
72.248	27.459	42.37	69.83	58.87	87.96	-29.09	Average	Vertical
96.331	31.010	44.48	75.49	64.54	107.96	-43.42	Peak	Horizontal
96.331	23.343	44.48	67.82	56.87	87.96	-31.09	Average	Horizontal
96.331	33.950	44.48	78.43	67.48	107.96	-40.48	Peak	Vertical
96.331	23.846	44.48	68.33	57.37	87.96	-30.59	Average	Vertical

Notes:

- Measure Level @ 0.85m = Reading Level @0.85m + Factor
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)
- Measure Level @ 3m = Measure Level @ 0.85m + 20 * log(0.85m / 3m)
- Test Distance "d" = 0.85m, Test height "h" = 0.45m

Test Site	SIP-TR2	Test Engineer	Alisa Deng
Test Date	2024-12-05	Test Frequency Range	40 ~ 100 GHz
Test Mode	Mode 2		

Frequency (MHz)	Reading Level @ 0.85m (dBμV)	Factor (dB/m)	Measure Level @ 0.85m (dBμV/m)	Measure Level @ 3m (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
48.240	27.110	46.04	73.15	62.20	107.96	-45.76	Peak	Horizontal
48.239	21.169	46.04	67.21	56.25	87.96	-31.71	Average	Horizontal
48.240	35.310	46.04	81.35	70.40	107.96	-37.56	Peak	Vertical
48.239	32.549	46.04	78.59	67.63	87.96	-20.33	Average	Vertical
72.359	30.320	42.39	72.71	61.76	107.96	-46.20	Peak	Horizontal
72.359	23.719	42.39	66.11	55.15	87.96	-32.81	Average	Horizontal
72.359	32.910	42.39	75.30	64.35	107.96	-43.61	Peak	Vertical
72.359	25.674	42.39	68.06	57.11	87.96	-30.85	Average	Vertical
96.479	31.400	44.50	75.90	64.95	107.96	-43.01	Peak	Horizontal
96.479	23.402	44.50	67.90	56.95	87.96	-31.01	Average	Horizontal
96.479	32.520	44.50	77.02	66.07	107.96	-41.89	Peak	Vertical
96.479	23.949	44.50	68.45	57.49	87.96	-30.47	Average	Vertical

Notes:

- Measure Level @ 0.85m = Reading Level @0.85m + Factor
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)
- Measure Level @ 3m = Measure Level @ 0.85m + 20 * log(0.85m / 3m)
- Test Distance "d" = 0.85m, Test height "h" = 0.45m

Test Site	SIP-TR2	Test Engineer	Alisa Deng
Test Date	2024-12-05	Test Frequency Range	40 ~ 100 GHz
Test Mode	Mode 3		

Frequency (MHz)	Reading Level @ 0.85m (dBμV)	Factor (dB/m)	Measure Level @ 0.85m (dBμV/m)	Measure Level @ 3m (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
48.336	26.780	45.59	72.37	61.42	107.96	-46.54	Peak	Horizontal
48.335	19.840	45.59	65.43	54.48	87.96	-33.48	Average	Horizontal
48.335	33.930	45.59	79.52	68.57	107.96	-39.39	Peak	Vertical
48.335	30.315	45.59	75.91	64.95	87.96	-23.01	Average	Vertical
72.503	31.490	42.41	73.90	62.95	107.96	-45.01	Peak	Horizontal
72.503	24.249	42.41	66.66	55.70	87.96	-32.26	Average	Horizontal
72.503	30.480	42.41	72.89	61.94	107.96	-46.02	Peak	Vertical
72.503	22.409	42.41	64.82	53.86	87.96	-34.10	Average	Vertical
96.671	30.450	44.51	74.96	64.01	107.96	-43.95	Peak	Horizontal
96.671	22.905	44.51	67.42	56.46	87.96	-31.50	Average	Horizontal
96.671	32.030	44.51	76.54	65.59	107.96	-42.37	Peak	Vertical
96.671	24.046	44.51	68.56	57.60	87.96	-30.36	Average	Vertical

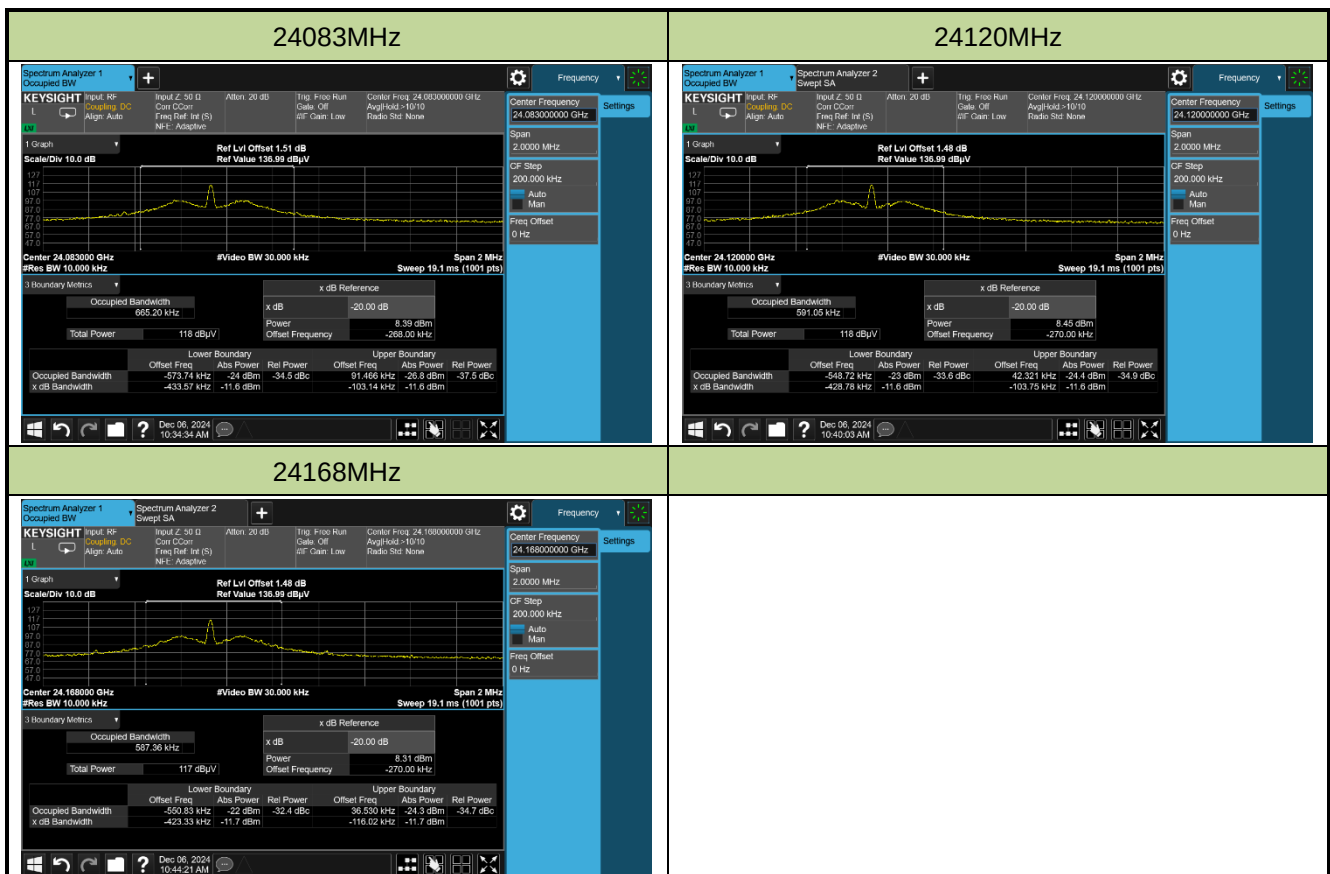
Notes:

- Measure Level @ 0.85m = Reading Level @0.85m + Factor
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)
- Measure Level @ 3m = Measure Level @ 0.85m + 20 * log(0.85m / 3m)
- Test Distance "d" = 0.85m, Test height "h" = 0.45m

A.2 20dB Spectrum Bandwidth Test Result

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-12-06		

Frequency (MHz)	20dB Bandwidth (kHz)	F _L (MHz)	F _L Limit (MHz)	F _H (MHz)	F _H Limit (MHz)	Result
24083	330.43	24082.57	≥ 24075	24082.90	≤ 24175	Pass
24120	325.03	24119.57	≥ 24075	24119.90	≤ 24175	Pass
24168	307.31	24167.58	≥ 24075	24167.88	≤ 24175	Pass



Note:

F_L = Center Frequency (MHz) + Lower Boundary Offset Frequency (MHz)

F_H = Center Frequency (MHz) + Upper Boundary Offset Frequency (MHz)