

FCC Test Report

For

Shenzhen See Me Here Electronic Co., Ltd

EUT Name: Bluetooth Speaker

Model No: Yukon, S2409

Brand Name: mifa

FCC ID: 2AXOX-S2409

Prepared By:

Dongguan Yaxu (AiT) Technology Limited

Date of Receipt: 06 Aug., 2025

Date of Test: 11 Aug., 2025~20 Sep., 2025

Date of Issue: 26 Sep., 2025

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of Dongguan Yaxu (AiT) Technology Limited

Client Information:

Applicant: Shenzhen See Me Here Electronic Co., Ltd

Applicant add.: 1stFloor,2ndFloor,3rdFloor,5thFloor,Building B,
TongFuYu Industrial Park,No.32Hangkong,Bao'an

EUT Information:

EUT Name: Bluetooth Speaker

Model No: Yukon, S2409

Brand Name: mifa

Test standard used: FCC Part 15 Subpart B

This device described above has been tested by Dongguan Yaxu (AiT) Technology Limited and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Reviewed by:

Emiya Lin

Test director

Approved by:

Gimba Huang

Technical director



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Revision Record			
Version	Date	Modifier	Remark
V1.0	26 Sep., 2025	--	Original

2 TEST SUMMARY

Test	Test Requirement	Test Method	Criterion	Result
Mains Terminals Disturbance Voltage, 150kHz to 30MHz	FCC Part 15 Subpart B	FCC Part 15 Subpart B ANSI C63.4: 2014	Limits	PASS
Radiated Emissions 30MHz to 1GHz 1GHz to 18GHz	FCC Part 15 Subpart B	FCC Part 15 Subpart B ANSI C63.4: 2014	Limits	PASS
Note: N/A				

2.1 MEASUREMENT UNCERTAINTY

The report uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95% .

No.	Item	Frequency Range	U , Value
1	Power Line Conducted Emission	150KHz~30MHz	1.20 dB
2	Disturbance Power Emission	30MHz~300MHz	2.96 dB
3	Radiated Emission Test	30MHz~1GHz	3.75 dB
4	Radiated Emission Test	1GHz~18GHz	3.88 dB

3 TEST FACILITY

The test facility is recognized, certified or accredited by the following organizations:

CNAS-Registration No: L6177

Dongguan Yaxu (AiT) technology Limited is accredited to ISO/IEC 17025:2017 general Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the competence of testing and calibration laboratories) on April 18, 2022

FCC-Registration No.: 703111 Designation Number: CN1313

Dongguan Yaxu (AiT) technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC-Registration No.: 6819A CAB identifier: CN0122

The 3m Semi-anechoic chamber of Dongguan Yaxu (AiT) technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 6819A

A2LA-Lab Cert. No.: 6317.01

Dongguan Yaxu (AiT) technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

3.1 DEVIATION FROM STANDARD

None

3.2 ABNORMALITIES FROM STANDARD CONDITIONS

None

4 GENERAL INFORMATION

4.1 GENERAL DESCRIPTION OF EUT

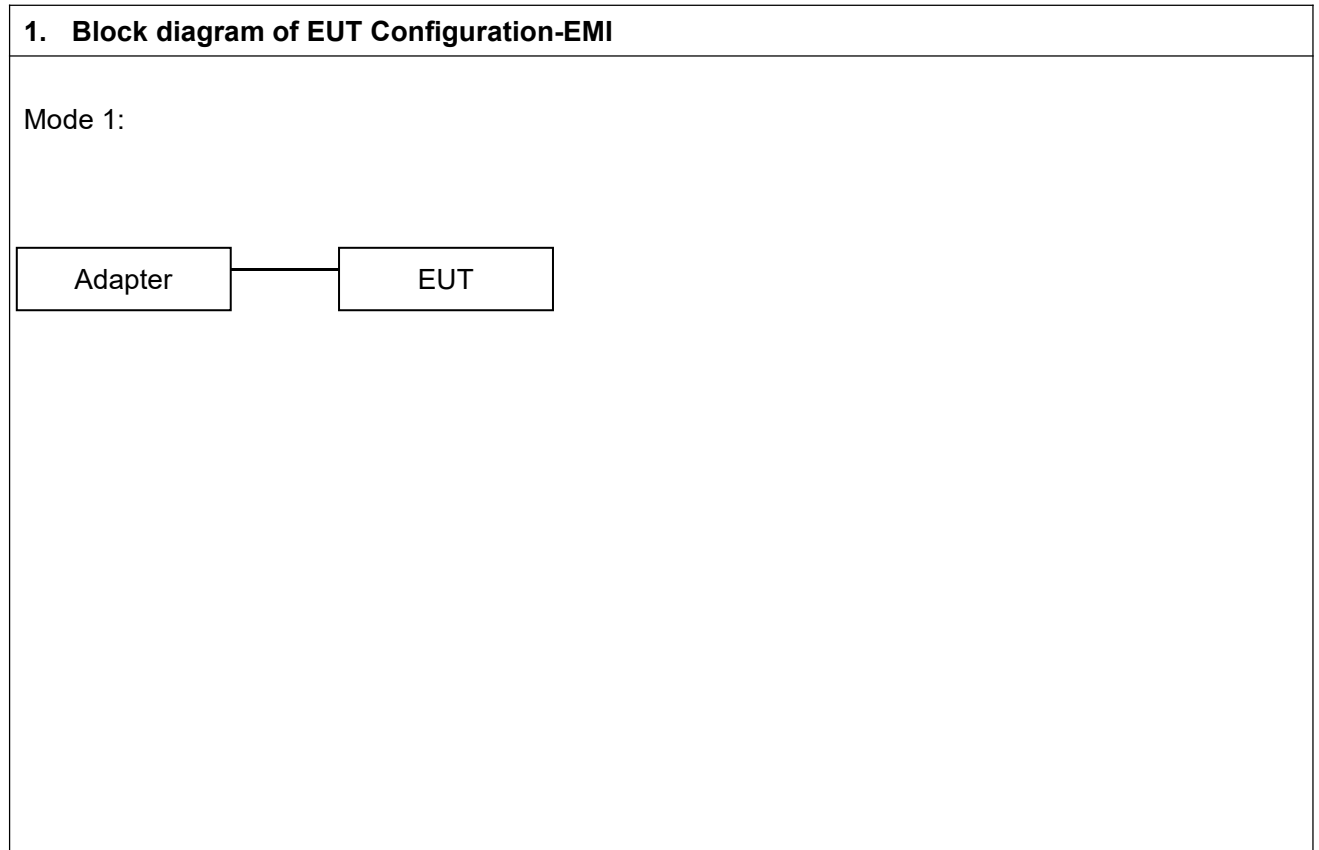
Manufacturer:	MIFA innovations LLC
Manufacturer Address:	8 THE GREEN,STE A DOVER DE 19901 US
Factory:	Shenzhen See Me Here Electronic Co., Ltd
Factory Address:	1st Floor, 2nd Floor, 3rd Floor, 5th Floor, Building B, TongFuYu Industrial Park, No.32 Hangkong Road, Sanwei Community, Hangcheng Street, Bao'an district, Shenzhen, China
EUT Name:	Bluetooth Speaker
Model No:	Yukon
Serial Model:	S2409
Brand Name:	mifa
Power Range:	DC 3.8V
Battery:	Rechargeable Li-ion Battery DC3.8V, 800mAh
Test Supply:	AC120V 60Hz
Model difference:	Yukon, S2409 were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being the model name.

4.2 EUT TEST MODE

Mode 1	Test EUT in WORK mode.
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4.3 DESCRIPTION OF TEST SETUP

EUT was tested in normal Configuration (Please See following Block diagrams)



4.4 TEST PERIPHERAL LIST

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	signal cable
1	N/A	N/A	N/A	N/A	N/A	N/A

4.5 EUT PERIPHERAL LIST

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	signal cable
1	N/A	N/A	N/A	N/A	N/A	N/A

5 Equipments List for All Test Items

☒ Radiation Test Equipment						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI Measuring Receiver	R&S	ESPI	100773	2024.09.23	2025.09.22
2	Low Noise Pre Amplifier	HP	HP8447E	1937A01855	2024.09.23	2025.09.22
3	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB-9160	9160-3206	2024.08.29	2026.08.28
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2024.09.23	2025.09.22
5	Spectrum Analyzer	R&S	FSV40	101470	2024.09.23	2025.09.22
6	Low Noise Pre Amplifier	Tsj	MLA-0120-A02-34	2648A04738	2024.09.23	2025.09.22
7	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	452	2024.08.29	2026.08.28
8	6dB Attenuator	JFW	50FPE-006	43608 46-494-1	2024.09.23	2025.09.22
8	RE Software	EZ	EZ-EMC_ RE	Ver.AIT-03A	N/A	N/A

☒ Conduction Test equipment						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI Test Receiver	R&S	ESCI	100124	2024.09.23	2025.09.22
2	LISN	Kyoritsu	KNW-242	8-837-4	2024.09.23	2025.09.22
3	LISN	R&S	ESH3-Z5	892785/016	2024.09.23	2025.09.22
4	Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	2024.09.23	2025.09.22
5	EMI Test Receiver	R&S	ESCI	100124	2024.09.23	2025.09.22
6	Switch	MFJ Rhinos	MFJ-2702	CZ3457	2024.09.23	2025.09.22
7	CE Software	EZ	EZ-EMC_ CE	Ver.AIT-03A	N/A	N/A

Note:

1. ☐ is not applicable in this Test Report. ☒ is applicable in this Test Report.

6 EMISSION TEST RESULTS

6.1 MAINS TERMINALS DISTURBANCE VOLTAGE MEASUREMENT

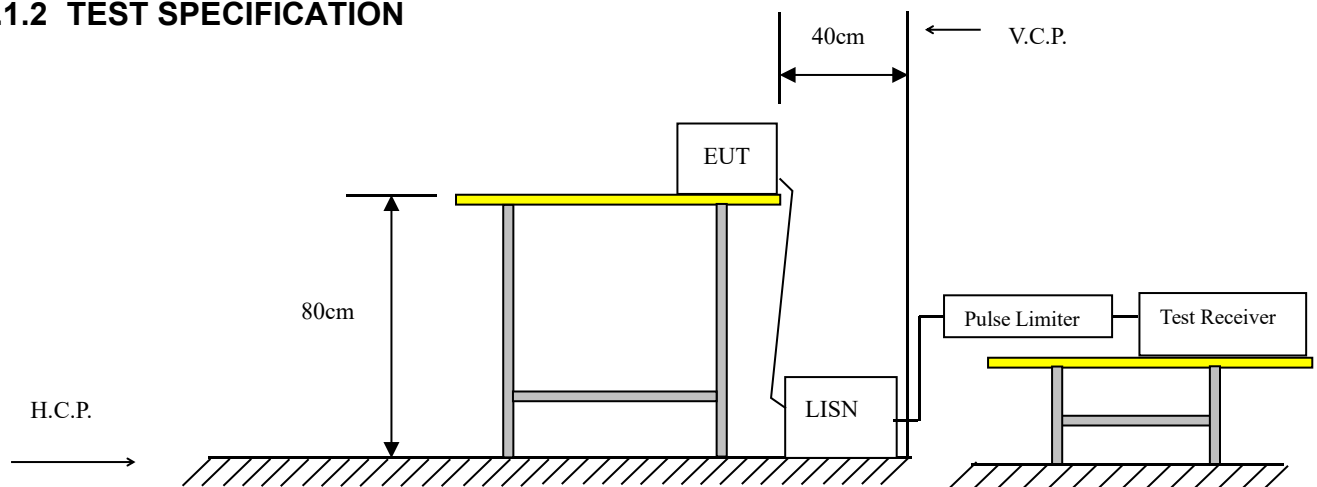
Frequency (MHz)	☐ Class A (dB μ V)		☒ Class B (dB μ V)	
	Q.P. (Quasi-Peak)	A.V. (Average)	Q.P. (Quasi-Peak)	A.V. (Average)
0.15 ~ 0.50	79	66	66 to 56	56 to 46
0.50 ~ 5.0	73	60	56	46
5.0 ~ 30	73	60	60	50

Detector:	Peak for pre-scan (9kHz Resolution Bandwidth) Quasi-Peak & Average if maximized peak within 6dB of Average Limit
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6.1.1 E.U.T. OPERATION

Temperature:	26	Humidity:	50	Atmospheric Pressure:	1006	Kpa
Test Mode:	All Mode		The worst mode		Mode 1	

6.1.2 TEST SPECIFICATION



EUT was placed upon a wooden test table 0.8m above the horizontal metal reference plane and 0.4m from the vertical ground plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m. All peripherals were connected to another AMN, and placed at a distance of 10cm from each other. A spectrum and receiver was connected to the RF output port of the AMN. Both average and quasi-peak value were detected.

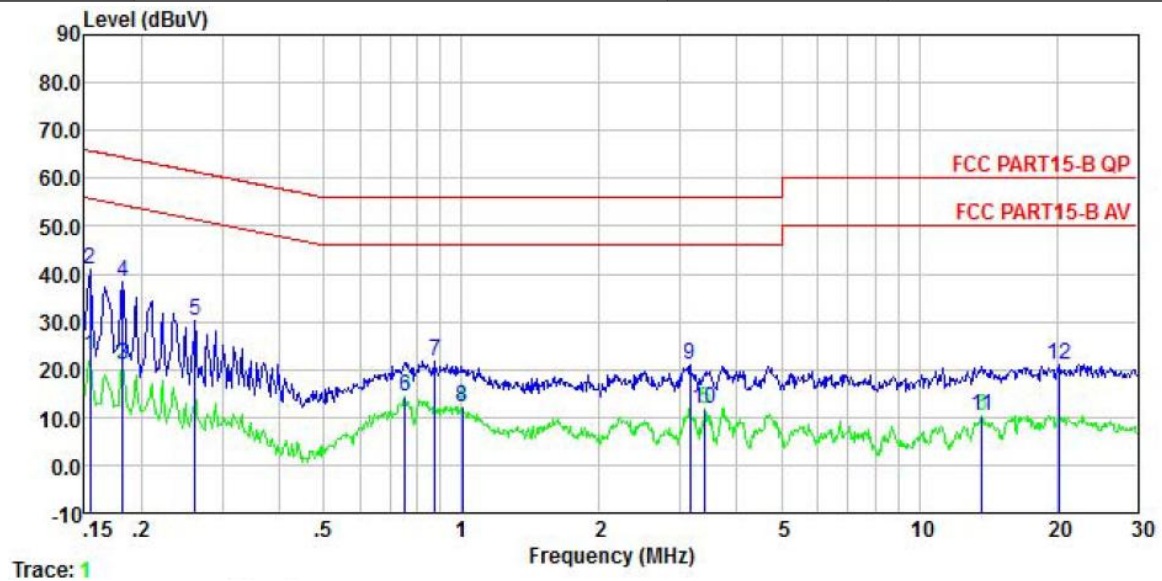
6.1.3 MEASUREMENT DATA

An initial pre-scan was performed on the live and neutral lines.

Quasi-peak or average measurements were performed at the frequency which maximum peak emissions were detected.

Please refer to the attached quasi-peak & average measurement data.

Model:	Bluetooth Speaker	Test Date :	06 Sep. 2025
Test Mode:	Mode 1	Phase :	Line
Test Voltage:	AC 120V/60Hz	Test Result:	☒ Pass ☐ Fail



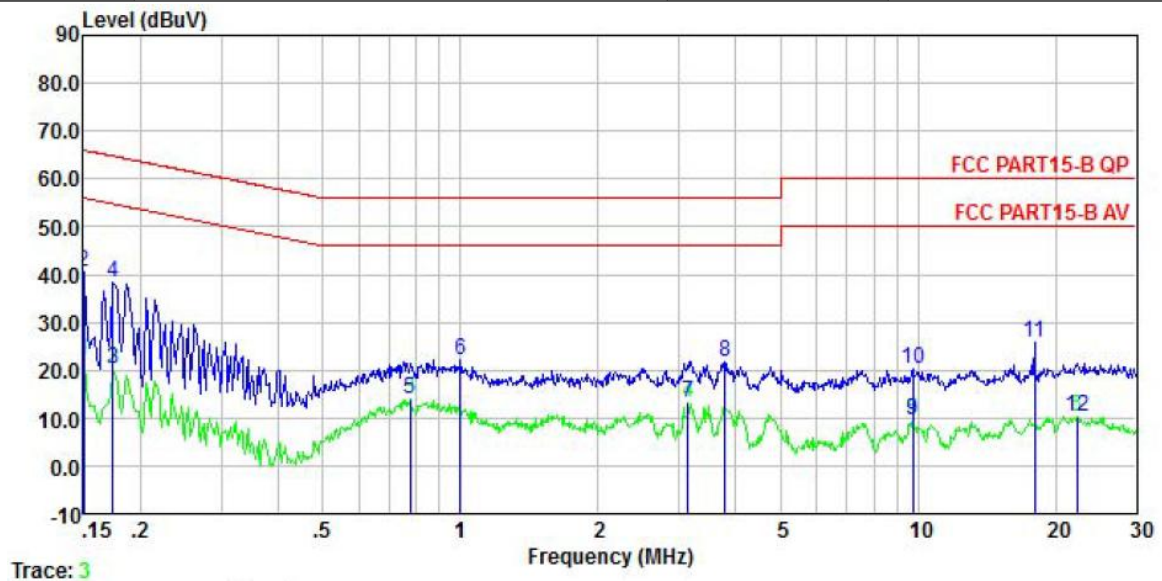
Remark: Correct Factor = LISN factor + Cable Loss + Pulse limiter factor.

Measurement Result=Reading Level +Correct Factor;

Over Limit= Measurement Result- Limit;

	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	2.59	10.19	0.00	9.88	0.00	22.66	55.78	-33.12	Average
2	0.154	20.88	10.19	0.00	9.88	0.00	40.95	65.78	-24.83	QP
3	0.182	1.14	10.13	0.00	9.88	0.00	21.15	54.42	-33.27	Average
4	0.182	18.30	10.13	0.00	9.88	0.00	38.31	64.42	-26.11	QP
5	0.262	10.23	10.10	0.00	9.88	0.00	30.21	61.38	-31.17	QP
6	0.751	-5.64	10.12	0.00	9.88	0.00	14.36	46.00	-31.64	Average
7	0.876	1.79	10.14	0.00	9.88	0.00	21.81	56.00	-34.19	QP
8	1.005	-7.84	10.20	0.00	9.88	0.00	12.24	46.00	-33.76	Average
9	3.156	0.69	10.27	0.00	9.89	0.00	20.85	56.00	-35.15	QP
10	3.399	-8.35	10.21	0.00	9.89	0.00	11.75	46.00	-34.25	Average
11	13.695	-10.34	10.68	0.00	9.93	0.00	10.27	50.00	-39.73	Average
12	20.162	0.58	10.40	0.00	9.96	0.00	20.94	60.00	-39.06	QP

Model:	Bluetooth Speaker	Test Date :	06 Sep. 2025
Test Mode:	Mode 1	Phase :	Neutral
Test Voltage:	AC 120V/60Hz	Test Result:	☒ Pass ☐ Fail



Remark: Correct Factor = LISN factor + Cable Loss + Pulse limiter factor.

Measurement Result=Reading Level +Correct Factor;

Over Limit= Measurement Result- Limit;

	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	1.98	10.20	0.00	9.88	0.00	22.06	56.00	-33.94	Average
2	0.150	20.46	10.20	0.00	9.88	0.00	40.54	66.00	-25.46	QP
3	0.174	0.14	10.20	0.00	9.88	0.00	20.22	54.77	-34.55	Average
4	0.174	18.40	10.20	0.00	9.88	0.00	38.48	64.77	-26.29	QP
5	0.775	-6.28	10.30	0.00	9.88	0.00	13.90	46.00	-32.10	Average
6	1.000	2.02	10.20	0.00	9.88	0.00	22.10	56.00	-33.90	QP
7	3.140	-6.77	10.20	0.00	9.89	0.00	13.32	46.00	-32.68	Average
8	3.779	1.70	10.20	0.00	9.89	0.00	21.79	56.00	-34.21	QP
9	9.757	-10.75	10.30	0.00	9.91	0.00	9.46	50.00	-40.54	Average
10	9.757	-0.02	10.30	0.00	9.91	0.00	20.19	60.00	-39.81	QP
11	17.944	5.38	10.60	0.00	9.95	0.00	25.93	60.00	-34.07	QP
12	22.298	-10.14	10.57	0.00	9.98	0.00	10.41	50.00	-39.59	Average

6.1.4 TEST SETUP PHOTOGRAPH

Please refer to separated files for 15B Setup Photos of the EUT.

6.2 RADIATED EMISSION MEASUREMENT

Limits of Radiated Emission Measurement

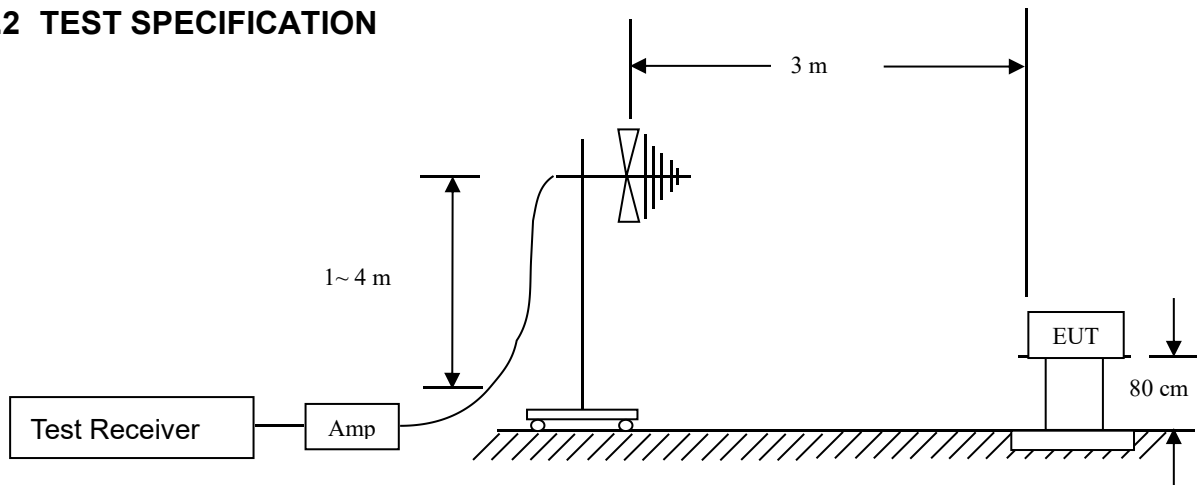
Frequency (MHz)	☐ ICES-003 Class B (3m)	☒ FCC Part 15 Class B (3m)
	Quasi-Peak dB(μ V/m)	Quasi-Peak dB(μ V/m)
30 ~ 88	40.0	40.0
88 ~ 216	43.5	43.5
216 ~230	46.0	46.0
230 ~960	47.0	46.0
Above 960	54.0	54.0

Detector: Peak for pre-scan (120kHz resolution bandwidth)
Quasi-Peak if maximum peak within 6dB of limit

6.2.1 E.U.T. OPERATION

Temperature:	25°C	Humidity:	50% RH	Atmospheric Pressure:	1006	Kpa
Test Mode:	All Mode		The worst mode		Mode 1	

6.2.2 TEST SPECIFICATION



EUT was placed upon a wooden test table which was placed on the turn table 0.8m above the horizontal metal ground plane, and operating in the mode as mentioned above. A receiving antenna was placed 3m away from the EUT. During testing, turn around the turn table and move the antenna from 1m to 4m to find the maximum field-strength reading. All peripherals were placed at a distance of 10cm between each other. Both horizontal and vertical antenna polarities were tested.

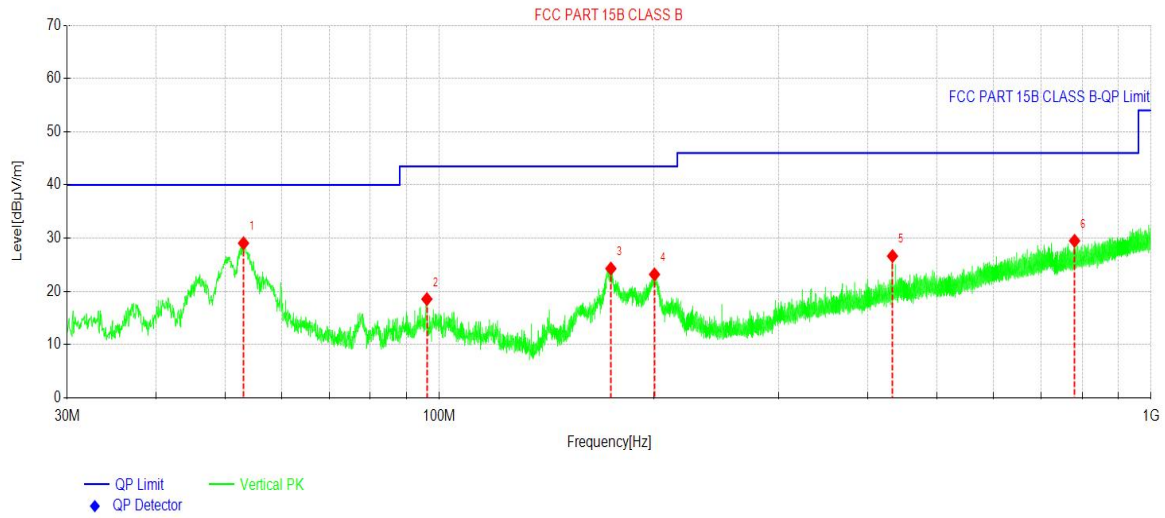
6.2.3 MEASUREMENT DATA

An initial pre-scan was performed in the 3m chamber using the spectrum analyzers in peak detection mode. The EUT was measured by Biology antenna with 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.

The following quasi-peak measurements were performed on the EUT.

Between 30 MHz - 1000 MHz

Test Mode:	Mode 1	Polarization:	Vertical
Model:	Yukon	Date:	02 Sep. 2025

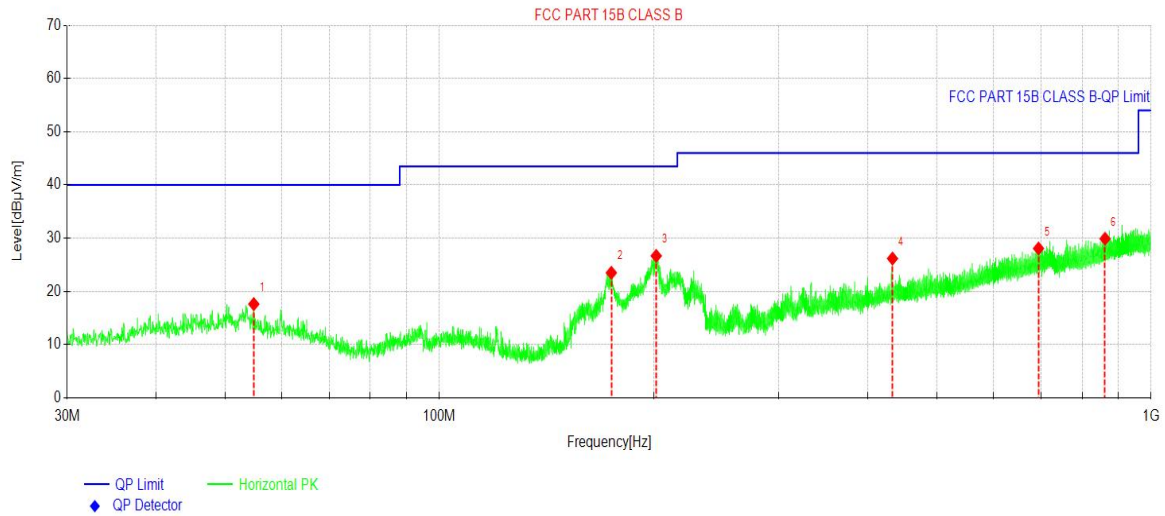


Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	53.0872	41.76	-12.71	29.05	40.00	10.95	PK	Vertical
2	96.0603	33.48	-14.93	18.55	43.50	24.95	PK	Vertical
3	174.197	40.85	-16.56	24.29	43.50	19.21	PK	Vertical
4	200.631	37.78	-14.59	23.19	43.50	20.31	PK	Vertical
5	433.249	35.41	-8.78	26.63	46.00	19.37	PK	Vertical
6	780.866	31.26	-1.75	29.51	46.00	16.49	PK	Vertical

Test Mode:	Mode 1	Polarization:	Horizontal
Model:	Yukon	Date:	02 Sep. 2025

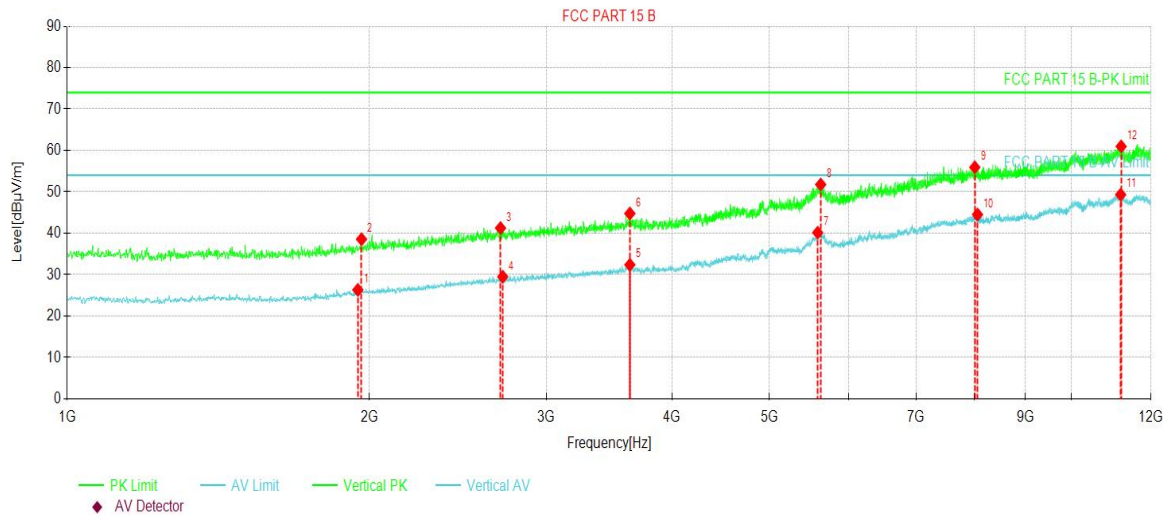


Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	54.8817	30.79	-13.17	17.62	40.00	22.38	PK	Horizontal
2	174.488	40.04	-16.54	23.50	43.50	20.00	PK	Horizontal
3	201.747	41.23	-14.56	26.67	43.50	16.83	PK	Horizontal
4	433.249	34.96	-8.78	26.18	46.00	19.82	PK	Horizontal
5	694.919	31.42	-3.36	28.06	46.00	17.94	PK	Horizontal
6	861.768	30.26	-0.36	29.90	46.00	16.10	PK	Horizontal

Above 1GHz

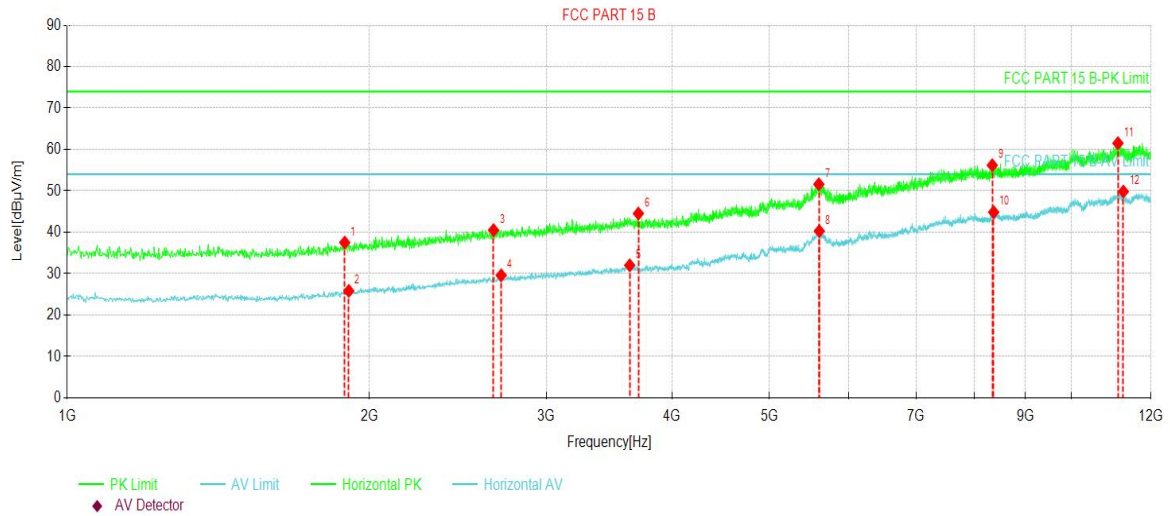
Test Mode:	Mode 1	Polarization:	Vertical
Model:	Yukon	Date:	02 Sep. 2025



Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1947.37	47.26	26.32	-20.94	54.00	27.68	AV	Vertical
2	1963.87	59.40	38.56	-20.84	74.00	35.44	PK	Vertical
3	2700.87	59.10	41.25	-17.85	74.00	32.75	PK	Vertical
4	2714.62	47.29	29.49	-17.80	54.00	24.51	AV	Vertical
5	3633.12	47.15	32.39	-14.76	54.00	21.61	AV	Vertical
6	3633.12	59.52	44.76	-14.76	74.00	29.24	PK	Vertical
7	5588.37	44.92	40.15	-4.77	54.00	13.85	AV	Vertical
8	5626.87	56.60	51.77	-4.83	74.00	22.23	PK	Vertical
9	8011.12	56.07	55.93	-0.14	74.00	18.07	PK	Vertical
10	8062.00	44.70	44.52	-0.18	54.00	9.48	AV	Vertical
11	11192.8	43.86	49.32	5.46	54.00	4.68	AV	Vertical
12	11205.2	55.50	60.97	5.47	74.00	13.03	PK	Vertical

Test Mode:	Mode 1	Polarization:	Horizontal
Model:	Yukon	Date:	02 Sep. 2025



Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	1889.62	58.81	37.52	-21.29	74.00	36.48	PK	Horizontal
2	1907.50	47.03	25.85	-21.18	54.00	28.15	AV	Horizontal
3	2658.25	58.49	40.51	-17.98	74.00	33.49	PK	Horizontal
4	2705.00	47.43	29.60	-17.83	54.00	24.40	AV	Horizontal
5	3631.75	46.78	32.02	-14.76	54.00	21.98	AV	Horizontal
6	3704.62	59.15	44.53	-14.62	74.00	29.47	PK	Horizontal
7	5603.50	56.19	51.59	-4.60	74.00	22.41	PK	Horizontal
8	5609.00	44.94	40.28	-4.66	54.00	13.72	AV	Horizontal
9	8338.37	56.26	56.18	-0.08	74.00	17.82	PK	Horizontal
10	8365.87	44.88	44.85	-0.03	54.00	9.15	AV	Horizontal
11	11122.7	55.89	61.50	5.61	74.00	12.50	PK	Horizontal
12	11263.0	44.19	49.84	5.65	54.00	4.16	AV	Horizontal

7 APPENDIX-Photographs of EUT Constructional Details

Please refer to separated files for External Photos of the EUT and Internal Photos of the EUT.

**** End of report ****