TEST REPORT

Report No…….:	AB26040524FE01
FCC ID…….:	**2BVXF-V410**
Applicant…….:	Miri Technologies, Inc
Address…….:	156 Madison Ave, Reading PA 19605
Manufacturer……..:	Shenzhen CND Technology Co., Ltd.
Address…….:	3rd&5th Floor, Building 7, Xinhua Industrial Building, Shekou, Nanshan District, Shenzhen, Guangdong Province, China
Product Name…….:	4K Live Encoder/Decoder
Trade Mark…….:	Miri technologies
Model/Type reference…….:	V410
Listed Model(s) …….:	V410 Pro, V410 Plus
Standard…….:	FCC Part 15 Subpart B
Date of Receipt……. :	2026.04.23
Date of Test Date……. :	2026.04.23-2026.04.28
Date of issue……..:	2026.04.28
Test result……..:	Pass

Compiled by: (Printedname+signature)	Huaijie Li	Huaijie Li
Supervised by: (Printedname+signature)	David Huang	David Huang
Approved by: (Printedname+signature)	Jay Liu	Jay Liu

Testing Laboratory Name…….:	Aibo Standard Technology (Shenzhen) Co., Ltd.
Address…….:	101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

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TEST REPORT

EUT.....	: 4K Live Encoder/Decoder
Test Model.....	: V410
Applicant.....	**: Miri Technologies, Inc**
Address.....	: 156 Madison Ave, Reading PA 19605
Manufacturer.....	**: Shenzhen CND Technology Co., Ltd.**
Address.....	: 3rd&5th Floor, Building 7, Xinhua Industrial Building, Shekou, Nanshan District, Shenzhen, Guangdong Province, China

Test Result	**Positive**

The test report merely corresponds to the test sample.

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1. TEST SUMMARY

1.1.Test Standards

The tests were performed according to following standards:

47 CFR FCC Part 15 Subpart B: Unintentional Radiators.

IEEE/ANSI C63.4-2014: American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz.

1.2.Report version

Revised No.	Date of issue	Description
01	2026.04.28	Original

1.3.Test Description

Test procedures according to the technical standards:

Test	Standard	Class	Result	Test Engineer
Conducted Emission	FCC Part 15 Section 15.107	Class B	PASS	He Chen
Radiated Emission	FCC Part 15 Section 15.109	Class B	PASS	He Chen

1.4.Measurement Uncertainty

The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Items	Measurement Uncertainty
Power Line Conducted Emission (9kHz~150kHz)	±3.62dB
Power Line Conducted Emission (150kHz~30MHz)	±3.40dB
Radiated Emission (9kHz~30MHz)	±3.10dB
Radiated Emission (30MHz~1GHz)	±4.90dB
Radiated Emission (1GHz~18GHz)	±3.88dB
Radiated Emission (8GHz~40GHz)	±5.32dB

Note: All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence.

1.5.Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	+15°C ~ +35°C
Lative Humidity	20 % ~ 75 %
Air Pressure	98KPa ~ 101KPa

1.6.DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +86 755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

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

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

2. GENERAL INFORMATION

2.1.General Description of EUT

Product Name:	4K Live Encoder/Decoder
Trade Mark:	Miri technologies
Model/Type reference:	V410
Listed Model(s):	V410 Pro, V410 Plus
Model Difference:	All models are the same circuit and RF module, except that they are named differently due to different sales regions.
Product Description	Based on the application, features, or specification exhibited in User's Manual, More details of EUT technical specification, please refer to the User's Manual.
Power Supply	DC 12V/2A
Battery	/
Hardware version:	/
Software version:	/

NOTE:

1. The EUT was powered by the following adapter:

Adapter	
Manufacturer:	Shenzher Fangxin Technology Co.,Ltd
MODEL:	FX24U.120200K
INPUT:	100-240V ~50/60Hz 0.6A Max
OUTPUT:	12V/2A(24W)

2.2.DESCRIPTION OF SUPPORT EQUIPMENT

Manufacturer	Description	Model	Serial Number	Supplied by
Router	NETGEAR	R6220	2015AJ0808	Applicant
Liquid Crystal Display	DELL	SE2218HV	CN-0W6XYP-FCC00-7BS-E2FB-A00	Applicant
Earphone	YUTOOL	696	---	Applicant
Computer	ACER	N22C5	NXEGXCN00224003D943400	Applicant
Lenovo	TF Card	TF102	---	Applicant
HDMI to SDI Converter	Qiruitong	720	---	Applicant
Active Speaker	Zhuhai HiVi Technology Co., Ltd.	Dazzle Prime	---	Applicant

2.3.DESCRIPTION OF EXTERNAL I/O

I/O Port Description	Quantity	Cable
USB Type-C Interface	1	0.8m, unshielded
HDMI Interface	1	1.5m, unshielded
RJ45 Etherenet Interface	1	1m,shielded

2.4.Description Of Test Modes

As the function of the EUT, test mode selected to test as below to conform this standard

Test Mode	Description	Test Voltage
1	HDMI In+LAN transmission+Playing Color Bars+TF+Type-c+Earphone	AC 120V/60Hz
2	HDMI Out+LAN transmission+Playing Color Bars+Type-c+Speaker	AC 120V/60Hz
3	3G SDI In+LAN transmission+Playing Color Bars+TF+Type-c+Earphone	AC 120V/60Hz
4	3G SDI Out+LAN transmission+Playing Color Bars+Type-c+Speaker	AC 120V/60Hz
5	USB+LAN transmission+Playing Color Bars+TF+Type-c+Earphone	AC 120V/60Hz

Pre-scan above all test mode, found below test mode which it was worse case mode, so only show the test data for worse case mode on the test report.

Test item	Worse case operation Test mode
Conducted emission	1
Radiated emission(Above 1GHz)	1
Radiated emission(Below 1GHz)	1

2.5.Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Loop Antenna	Schwarzbeck	FMZB 1519	1519-025	01/18/2026	01/17/2028
2	Power Amplifier	HZEMC	HPA-9K0133	HYPA23029	01/20/2026	01/19/2027
3	Broadband Antenna	Schwarzbeck	VULB 9168	01763	01/29/2026	01/28/2028
4	Attenuator	PRM	ATT50-6-3	ATT50-6-3	01/20/2026	01/19/2027
5	Spectrum Analyzer	R&S	FSV40-N	101365	01/20/2026	01/19/2027
6	Horn Antenna	Schwarzbeck	BBHA 9120 D	02786	02/19/2026	02/18/2028
7	Horn Antenna	Schwarzbeck	ZLB7-18-40G-77	072410839	02/19/2026	02/18/2028
8	Power Amplifier	HZEMC	PA0118-43	HYPA23030	01/20/2026	01/19/2027
9	Power Amplifier	HZEMC	PA01840-45	HYPA23031	01/20/2026	01/19/2027
10	EMI Test Receiver	R&S	ESCI	101196	01/20/2026	01/19/2027
11	LISN	R&S	ENV216	102374	01/20/2026	01/19/2027
12	Pulse Limiter	Schwarzbeck	ESH3-Z2	0357.8810.54	01/20/2026	01/19/2027

2.6.Test software

Test Software		
Software name	Model	Version
Radiated Emission Measurement Software	FASLAB	V4.1
CONDUCTED EMISSION MEASUREMENT	FASLAB	V4.1

3. EMC EMISSION TEST

3.1.CONDUCTED EMISSION MEASUREMENT

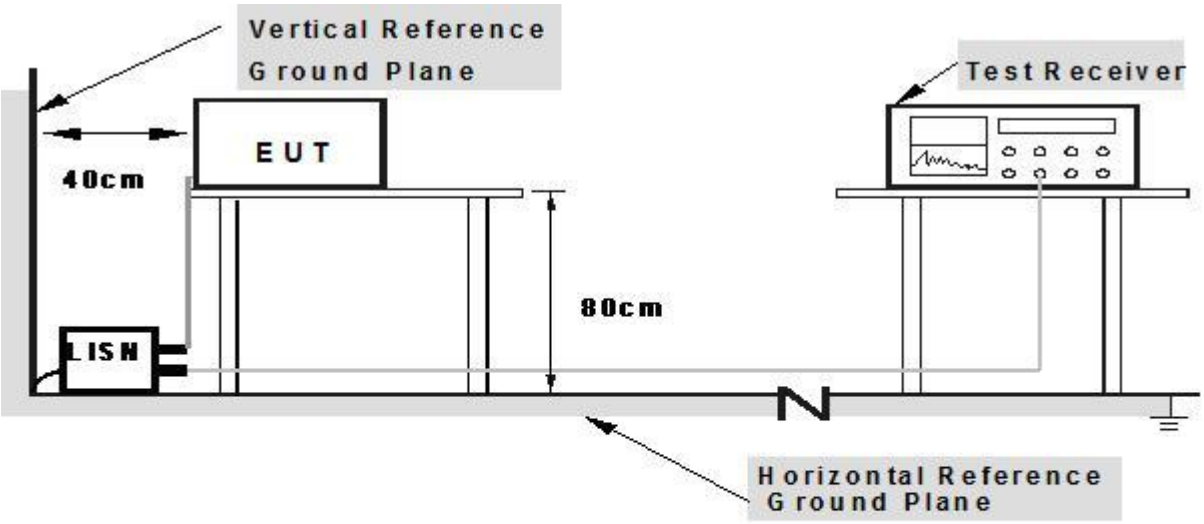
LIMIT

FCC CFR Title 47 Part 15 Subpart Section B 15.107/ IECS-003 Section 6.1

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

* Decreases with the logarithm of the frequency.

TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

TEST PROCEDURE

1. The EUT was setup according to ANSI C63.4-2014.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHzusing a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

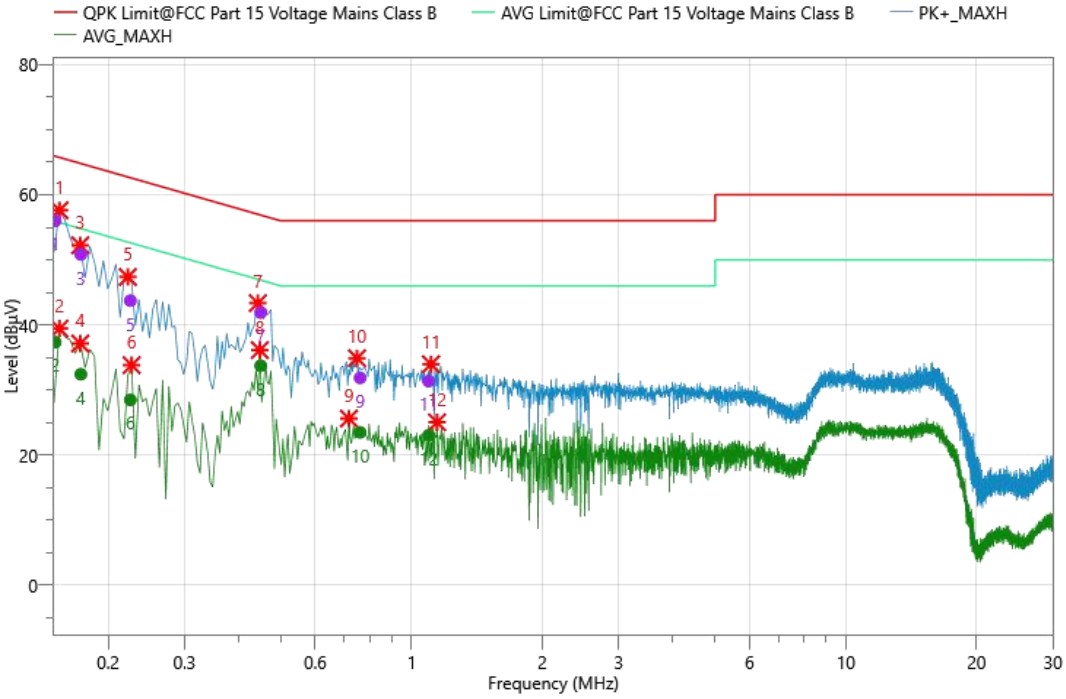
TEST MODE

Please refer to the clause 2.2

TEST RESULTS

Polarization	L

Test Mode 4

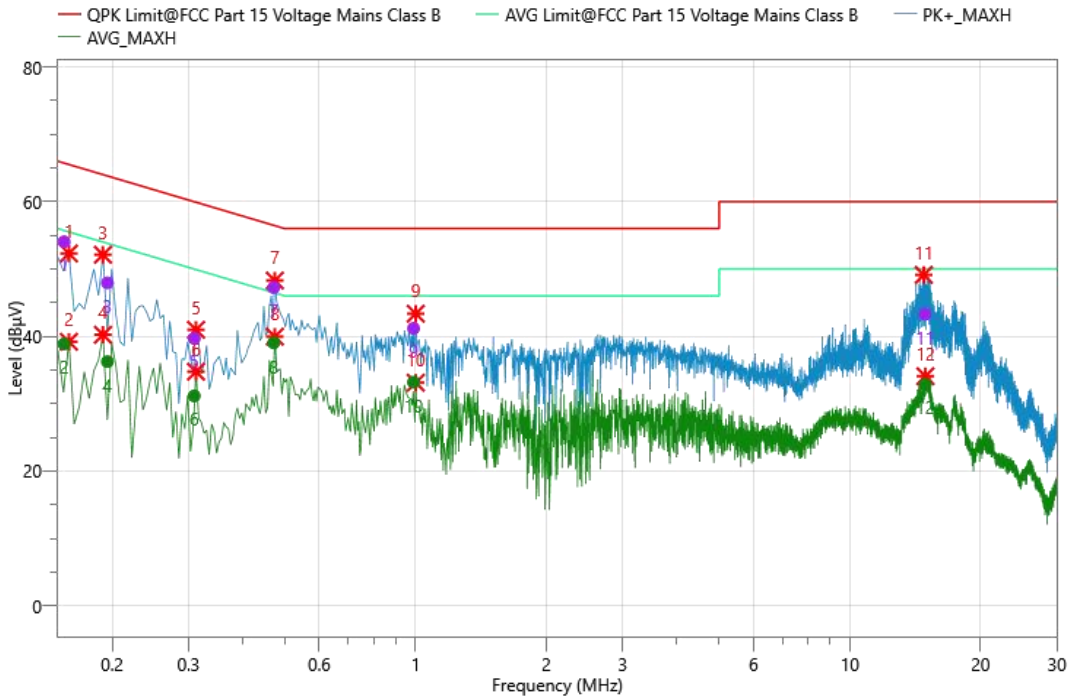


No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV)	Limit (dBµV)	Margin (dB)	Det.	Line	PE
1	0.151	45.99	10.03	56.02	65.94	9.92	QPK	L1	GND
2	0.151	27.32	10.03	37.35	55.94	18.59	AVG	L1	GND
3	0.173	40.82	10.02	50.84	64.82	13.98	QPK	L1	GND
4	0.173	22.40	10.02	32.42	54.82	22.40	AVG	L1	GND
5	0.225	33.72	10.02	43.74	62.63	18.89	QPK	L1	GND
6	0.225	18.46	10.02	28.48	52.63	24.15	AVG	L1	GND
7	0.449	31.79	10.11	41.90	56.89	14.99	QPK	L1	GND
8	0.449	23.63	10.11	33.74	46.89	13.15	AVG	L1	GND
9	0.761	21.63	10.23	31.86	56.00	24.14	QPK	L1	GND
10	0.761	13.25	10.23	23.48	46.00	22.52	AVG	L1	GND
11	1.094	21.12	10.25	31.37	56.00	24.63	QPK	L1	GND
12	1.094	12.78	10.25	23.03	46.00	22.97	AVG	L1	GND

Remarks:
1.Factor = Lisn Factor+Cable Factor
2.Margin value =Limit value - Level

Polarization	N

Test Mode 4



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV)	Limit (dBµV)	Margin (dB)	Det.	Line	PE
1	0.155	44.03	10.03	54.06	65.73	11.67	QPK	N	GND
2	0.155	28.85	10.03	38.88	55.73	16.85	AVG	N	GND
3	0.195	37.94	10.01	47.95	63.82	15.87	QPK	N	GND
4	0.195	26.24	10.01	36.25	53.82	17.57	AVG	N	GND
5	0.309	29.63	10.07	39.70	60.00	20.30	QPK	N	GND
6	0.309	21.09	10.07	31.16	50.00	18.84	AVG	N	GND
7	0.471	37.14	10.11	47.25	56.50	9.25	QPK	N	GND
8	0.471	28.93	10.11	39.04	46.50	7.46	AVG	N	GND
9	0.989	30.96	10.24	41.20	56.00	14.80	QPK	N	GND
10	0.989	22.96	10.24	33.20	46.00	12.80	AVG	N	GND
11	14.900	30.38	12.92	43.30	60.00	16.70	QPK	N	GND
12	14.900	19.94	12.92	32.86	50.00	17.14	AVG	N	GND

Remarks:
1.Factor = Lisn Factor+Cable Factor
2.Margin value =Limit value - Level

3.2.RADIATED EMISSION MEASUREMENT

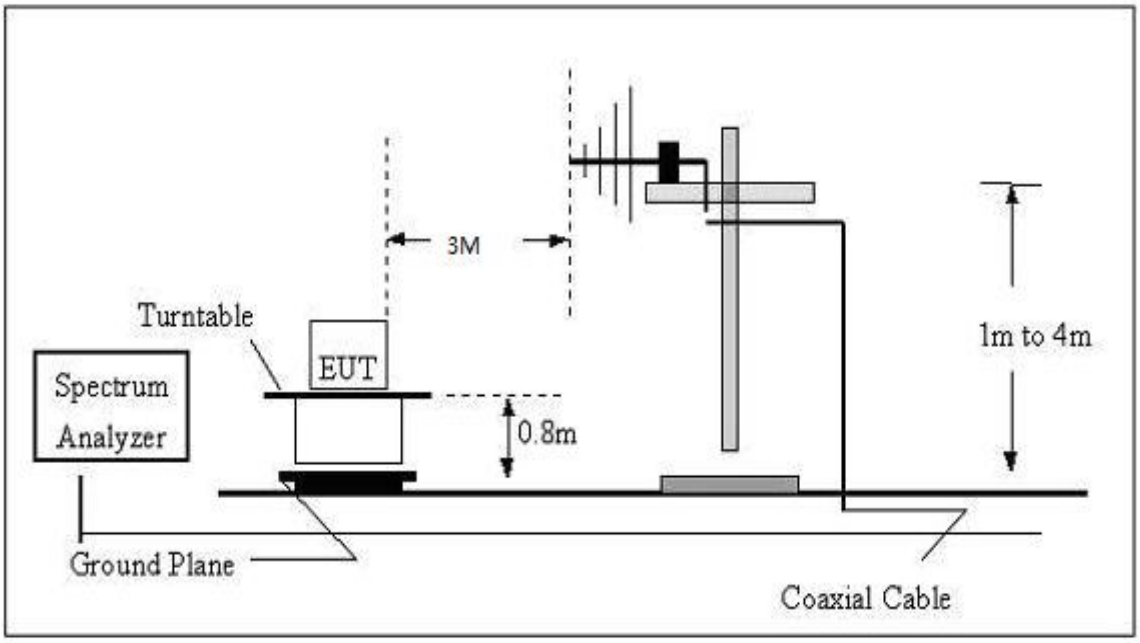
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.109/ IECS-003 Section 6.2:

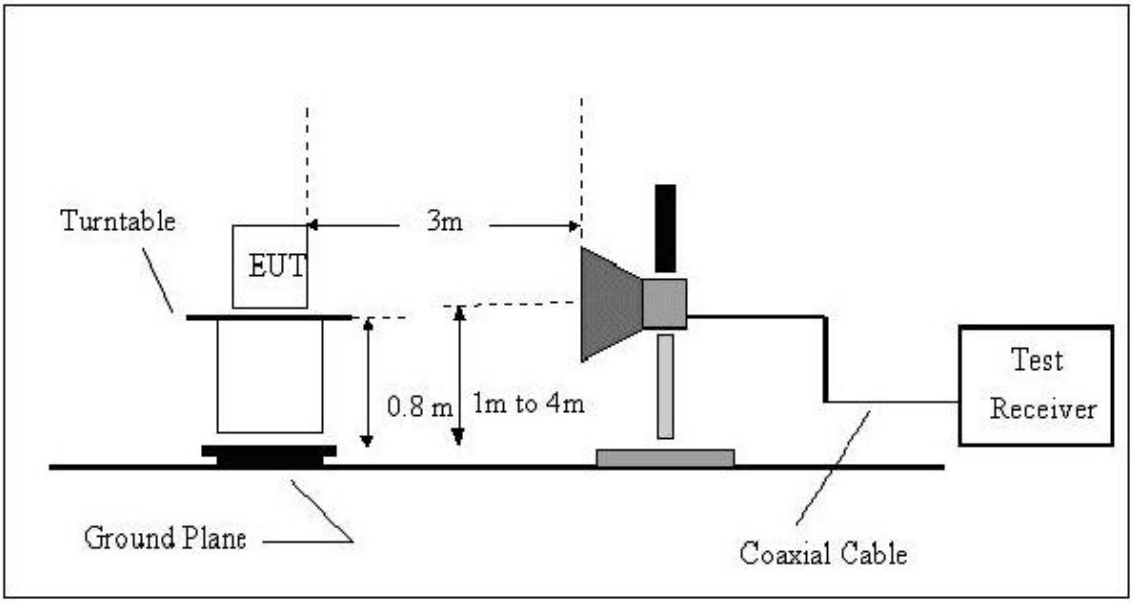
FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)	Value
	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	Quasi-peak
88 ~ 216	43.5	43.5	Quasi-peak
216 ~ 960	46.5	46.0	Quasi-peak
960 ~1000	49.5	54.0	Quasi-peak
Above 1000	69.5	74	Peak
	49.5	54	Average

TEST SETUP

A Radiated Emission Test Set-Up Frequency below 1 GHz



B Radiated Emission Test Set-Up Frequency above 1GHz



TEST PROCEDURE

1. The EUT was tested according to ANSI C63.4:2014.
2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated360 degrees to determine the position of the maximum emission level.
3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna.
5. The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.
6. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.
7. For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST MODE

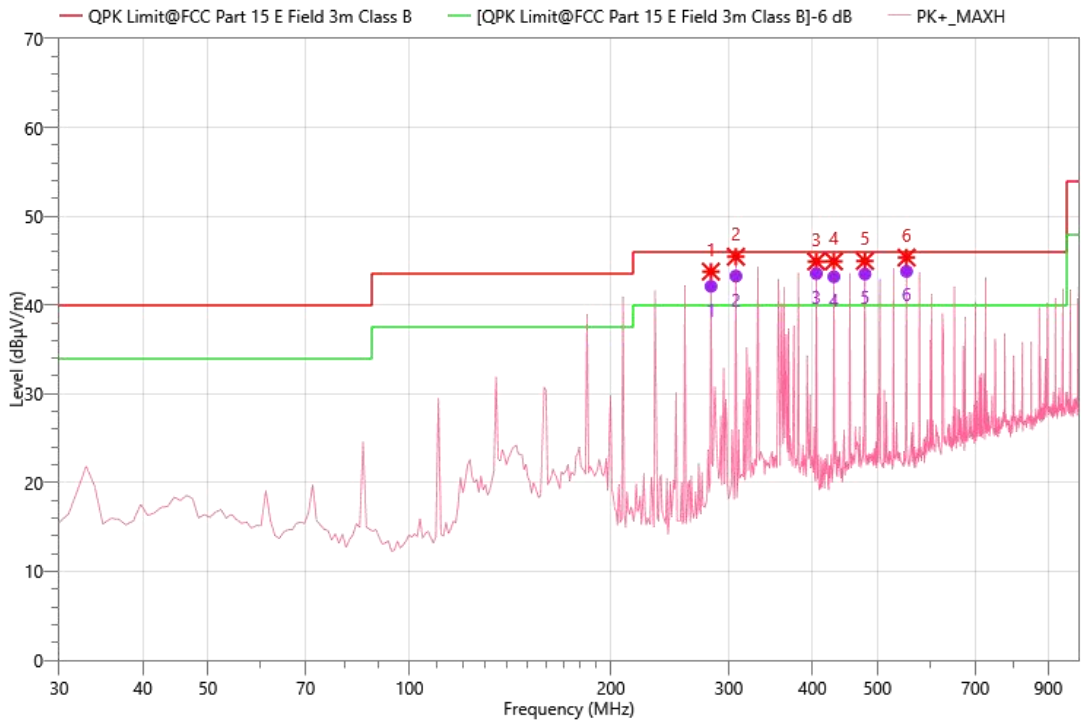
Please refer to the clause 2.2

TEST RESULT

30MHz-1GHz

Polarization	Horizontal

Mode:1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	282.200	54.72	-12.62	42.10	46.00	3.90	QPK	100	H	0.0	PASS
2	307.420	55.14	-11.88	43.26	46.00	2.74	QPK	100	H	321.6	PASS
3	405.390	53.09	-9.55	43.54	46.00	2.46	QPK	100	H	265.9	PASS
4	430.610	51.89	-8.71	43.18	46.00	2.82	QPK	100	H	291.8	PASS
5	479.110	51.31	-7.82	43.49	46.00	2.51	QPK	100	H	280.7	PASS
6	552.830	50.02	-6.23	43.79	46.00	2.21	QPK	100	H	117.9	PASS

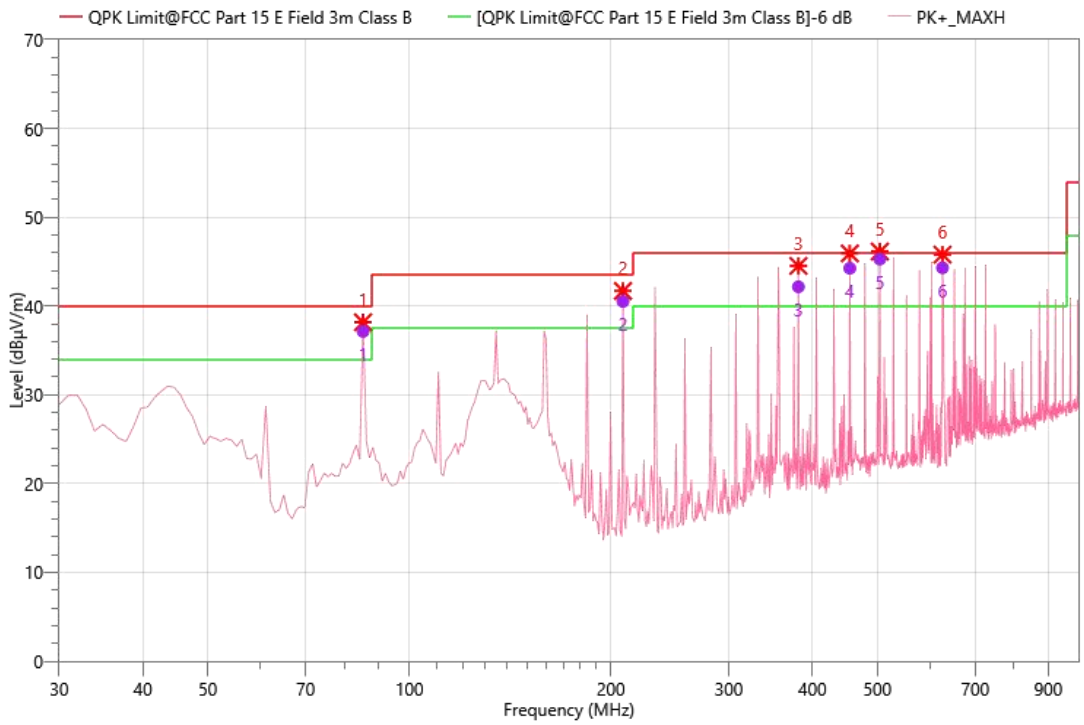
Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value =Limit value - Level

Polarization	Vertical

Mode:1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	85.290	54.30	-17.16	37.14	40.00	2.86	QPK	100	V	72.5	PASS
2	208.480	55.88	-15.36	40.52	43.50	2.98	QPK	100	V	275.2	PASS
3	381.140	52.28	-10.11	42.17	46.00	3.83	QPK	100	V	57.4	PASS
4	454.860	52.46	-8.2	44.26	46.00	1.74	QPK	100	V	360.0	PASS
5	504.330	52.73	-7.45	45.28	46.00	0.72	QPK	100	V	201.6	PASS
6	625.580	49.01	-4.7	44.31	46.00	1.69	QPK	100	V	164.5	PASS

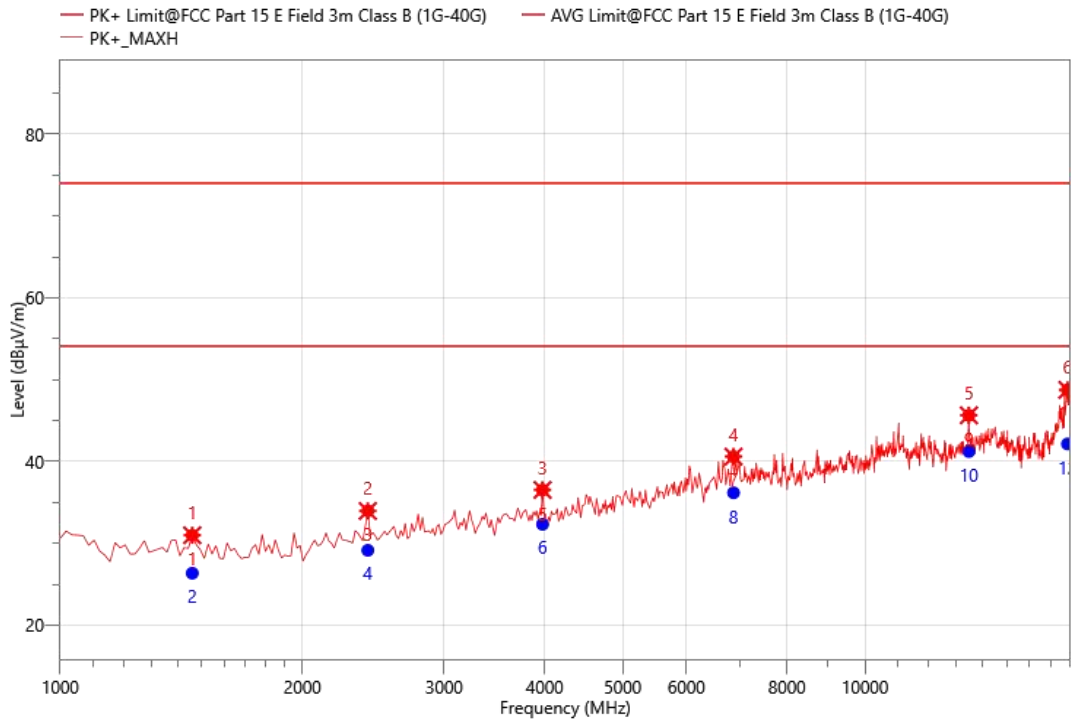
Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value =Limit value - Level

1GHz-18GHz

Polarization	Horizontal
Test mode 4	



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1459.000	55.09	-24.1	30.99	74.00	43.01	PK+	H
2	1459.000	50.45	-24.1	26.35	54.00	27.65	AVG	H
3	2411.000	55.37	-21.41	33.96	74.00	40.04	PK+	H
4	2411.000	50.56	-21.41	29.15	54.00	24.85	AVG	H
5	3975.000	52.96	-16.43	36.53	74.00	37.47	PK+	H
6	3975.000	48.76	-16.43	32.33	54.00	21.67	AVG	H
7	6865.000	48.66	-8.06	40.60	74.00	33.40	PK+	H
8	6865.000	44.24	-8.06	36.18	54.00	17.82	AVG	H
9	13461.000	45.44	0.21	45.65	74.00	28.35	PK+	H
10	13461.000	41.01	0.21	41.22	54.00	12.78	AVG	H
11	17847.000	41.41	7.34	48.75	74.00	25.25	PK+	H
12	17847.000	34.81	7.34	42.15	54.00	11.85	AVG	H

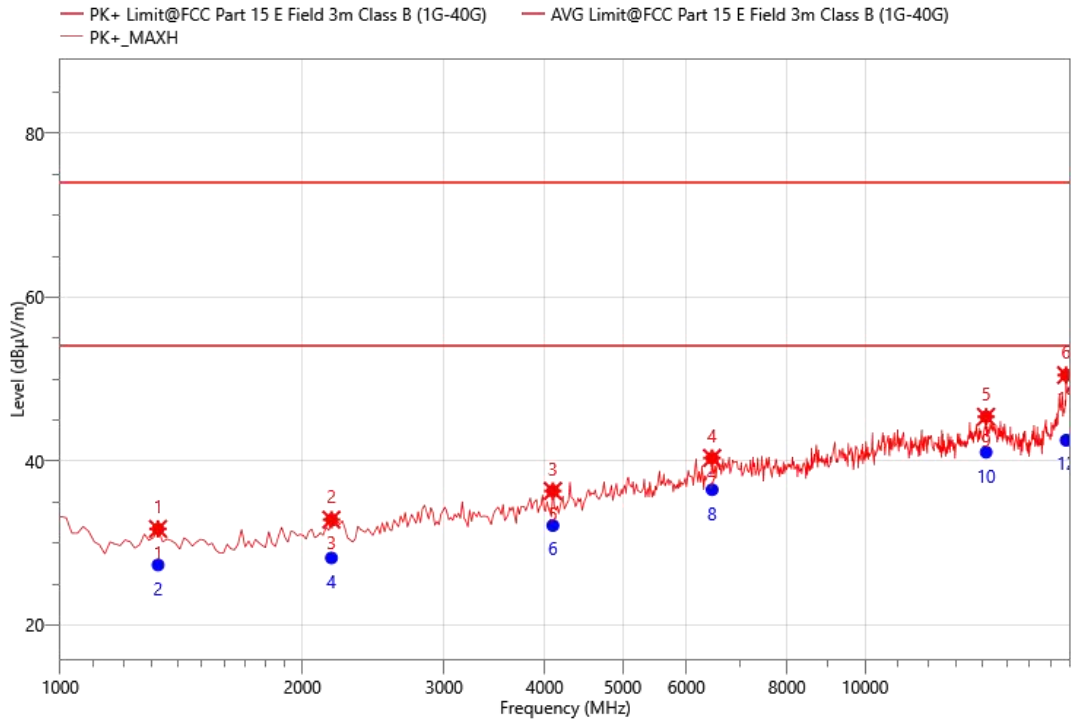
Remarks:

1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

Polarization	Vertical

Test mode 4



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1323.000	55.83	-24.09	31.74	74.00	42.26	PK+	V
2	1323.000	51.42	-24.09	27.33	54.00	26.67	AVG	V
3	2173.000	54.63	-21.77	32.86	74.00	41.14	PK+	V
4	2173.000	49.96	-21.77	28.19	54.00	25.81	AVG	V
5	4094.000	52.67	-16.3	36.37	74.00	37.63	PK+	V
6	4094.000	48.45	-16.3	32.15	54.00	21.85	AVG	V
7	6457.000	49.65	-9.26	40.39	74.00	33.61	PK+	V
8	6457.000	45.78	-9.26	36.52	54.00	17.48	AVG	V
9	14141.000	44.68	0.74	45.42	74.00	28.58	PK+	V
10	14141.000	40.35	0.74	41.09	54.00	12.91	AVG	V
11	17779.000	43.70	6.8	50.50	74.00	23.50	PK+	V
12	17779.000	35.75	6.8	42.55	54.00	11.45	AVG	V

Remarks:

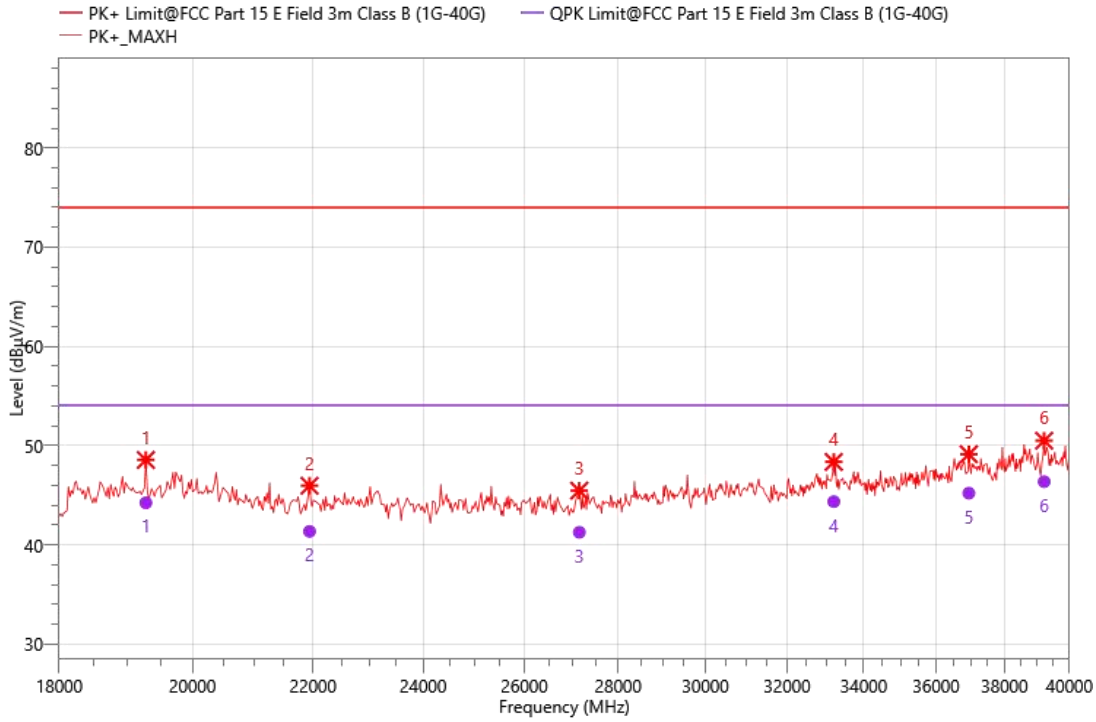
1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

18GHz-40GHz

Polarization	Horizontal

Test mode 1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	19276.000	62.90	-14.33	48.57	74.00	-25.43	PK+	H
2	21938.000	60.01	-14.04	45.97	74.00	-28.03	PK+	H
3	27152.000	58.67	-13.2	45.47	74.00	-28.53	PK+	H
4	33202.000	59.69	-11.32	48.37	74.00	-25.63	PK+	H
5	36942.000	59.68	-10.54	49.14	74.00	-24.86	PK+	H
6	39208.000	60.75	-10.24	50.51	74.00	-23.49	PK+	H
7	19276.000	58.58	-14.33	44.25	54.00	9.75	QPK	H
8	21938.000	55.41	-14.04	41.37	54.00	12.63	QPK	H
9	27152.000	54.48	-13.2	41.28	54.00	12.72	QPK	H
10	33202.000	55.69	-11.32	44.37	54.00	9.63	QPK	H
11	36942.000	55.76	-10.54	45.22	54.00	8.78	QPK	H
12	39208.000	56.62	-10.24	46.38	54.00	7.62	QPK	H

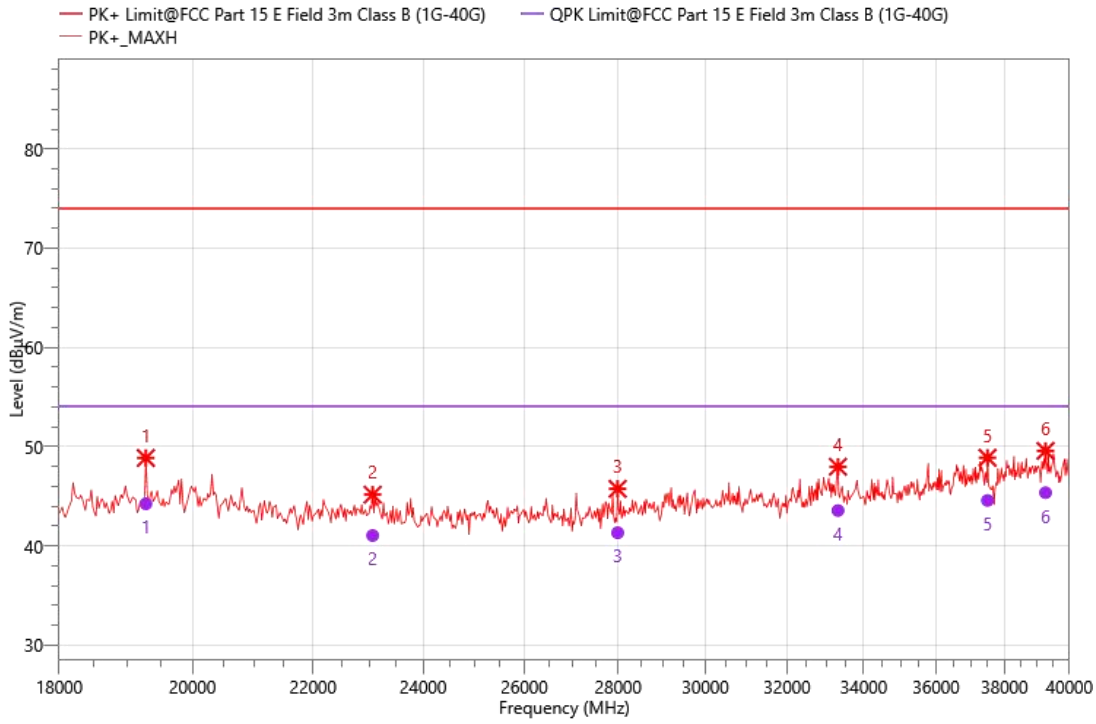
Remarks:

1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

Polarization	Vertical

Test mode 1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	19276.000	63.20	-14.33	48.87	74.00	-25.13	PK+	V
2	23060.000	58.50	-13.33	45.17	74.00	-28.83	PK+	V
3	27988.000	58.54	-12.78	45.76	74.00	-28.24	PK+	V
4	33312.000	59.40	-11.42	47.98	74.00	-26.02	PK+	V
5	37492.000	59.55	-10.66	48.89	74.00	-25.11	PK+	V
6	39252.000	59.80	-10.22	49.58	74.00	-24.42	PK+	V
7	19276.000	58.58	-14.33	44.25	54.00	9.75	QPK	V
8	23060.000	54.38	-13.33	41.05	54.00	12.95	QPK	V
9	27988.000	54.11	-12.78	41.33	54.00	12.67	QPK	V
10	33312.000	54.99	-11.42	43.57	54.00	10.43	QPK	V
11	37492.000	55.25	-10.66	44.59	54.00	9.41	QPK	V
12	39252.000	55.59	-10.22	45.37	54.00	8.63	QPK	V

Remarks:

1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

4. EUT TEST PHOTO

Please refer to separated files Appendix A for Photographs of Test Photos.

5. PHOTOGRAPHS OF EUT

Please refer to separated files Appendix B and Appendix C for Photographs of The EUT.

**********THE END**********