



FCC RADIO TEST REPORT

FCC ID: 2ADNRUHF-399

Product : Wireless microphone receiver

Trade Name : 

Model Name : UHF-399

Serial Model : N/A

Report No. : BCTC-20141114234F

Prepared for

VEGA TV

8943 GARVEY AVENUE, ROSEMEAD CA 91770 U.S.A

Prepared by

Shenzhen BCTC Technology Co., Ltd.

A.Floor 3, 44 Building, Tanglang Industrial Park B, Taoyuan Street,
Nanshan District, Shenzhen, China



TEST RESULT CERTIFICATION

Applicant's name : VEGA TV

Address : 8943 GARVEY AVENUE, ROSEMEAD CA 91770 U.S.A

Manufacture's Name : GuangZhou MingPing Electronics Technology Development CO.,Ltd

Address : 1/F The 3rd Bldg,Tiantianle Ke Ji Yuan,No.13,Ping Bu Da Dao,Hua Du, Guangzhou,China

Product description

Product name : Wireless microphone receiver

Model and/or type reference : UHF-399

Serial Model : N/A

Standards : FCC Part15B:2013

Test procedure ANSI C63.4-2003

This device described above has been tested by BCTC, 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.

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Date of Test :

Date (s) of performance of tests : 10 Nov. 2014 ~20 Nov. 2014

Date of Issue : 20 Nov. 2014

Test Result : **Pass**

Testing Engineer :

(Lynn Chen)

Technical Manager :

(Carlen Liu)

Authorized Signatory :

(Tommy Zhang)

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B:2013 ANSI C63.4: 2009 FCC Part15.111	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	
	Antenna Power Conduction test		PASS	

1.1 TEST FACILITY

BZT Testing Technology Co., Ltd.

Add.:1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registered No.: 701733

1.2 MEASUREMENT UNCERTAINTY

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

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
NTEKA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~6GHz	5.0	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless microphone receiver	
Brand Name		
Model Name.	UHF-399	
Serial No	N/A	
Model Difference	N/A	
Product Description	The EUT is a Wireless microphone receiver	
	Operating frequency:	510-690MHz(Only receiver)
	Connecting I/O port:	ANT Port
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	
Adapter	AC Power Input: 100-120V~, 60Hz Output: 12.0V , 600mA	
Battery	N/A	

2.2 DESCRIPTION OF TEST MODES

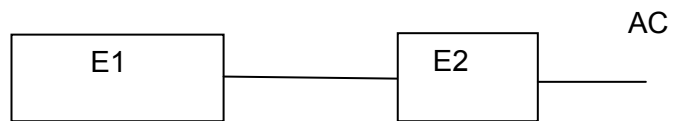
To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	510MHz Receiver Mode
Mode 2	600MHz Receiver Mode
Mode 3	690MHz Receiver Mode

For Conducted Test	
Final Test Mode	Description
Mode 1	510MHz Receiver Mode
Mode 2	600MHz Receiver Mode
Mode 3	690MHz Receiver Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	510MHz Receiver Mode
Mode 2	600MHz Receiver Mode
Mode 3	690MHz Receiver Mode

2.3 DESCRIPTION OF TEST SETUP



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Wireless microphone receiver		UHF-399	N/A	EUT
E-2	Adapter	N/A	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C1	No	No	1.5M	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2014.07.06	2015.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2014.06.07	2015.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2014.07.06	2015.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2014.06.07	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.07	2015.06.06	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2014.07.06	2015.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2014.07.06	2015.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2014.12.22	2015.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2014.06.08	2015.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2014.07.06	2015.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619.05	2014.07.06	2015.07.05	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2014.06.06	2015.06.05	1 year
2	LISN	R&S	ENV216	101313	2014.08.24	2015.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2014.08.24	2015.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2014.06.07	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.07	2015.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2014.06.08	2015.06.07	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

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

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

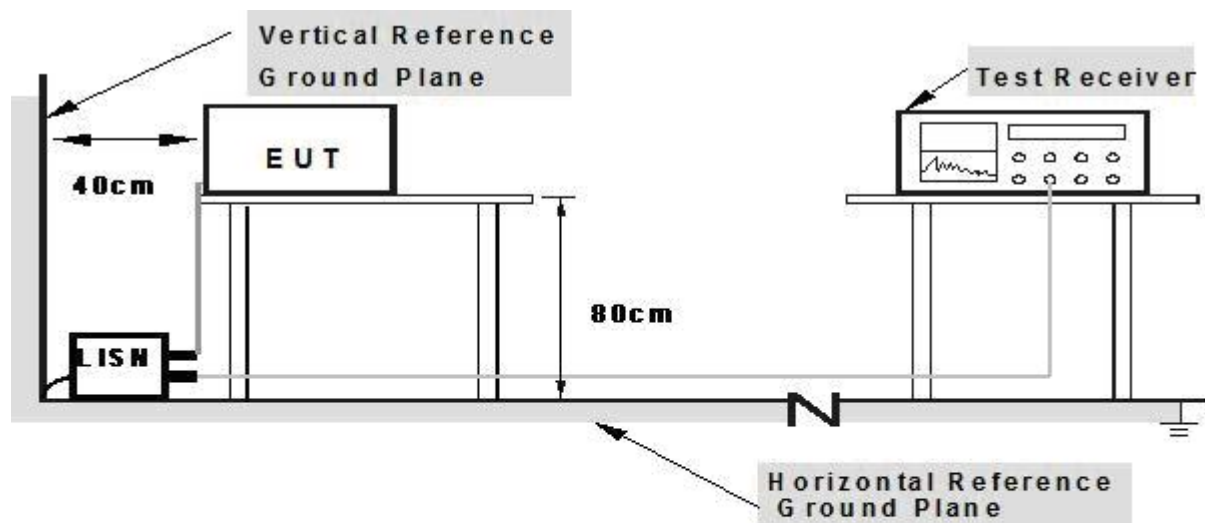
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 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 cm from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

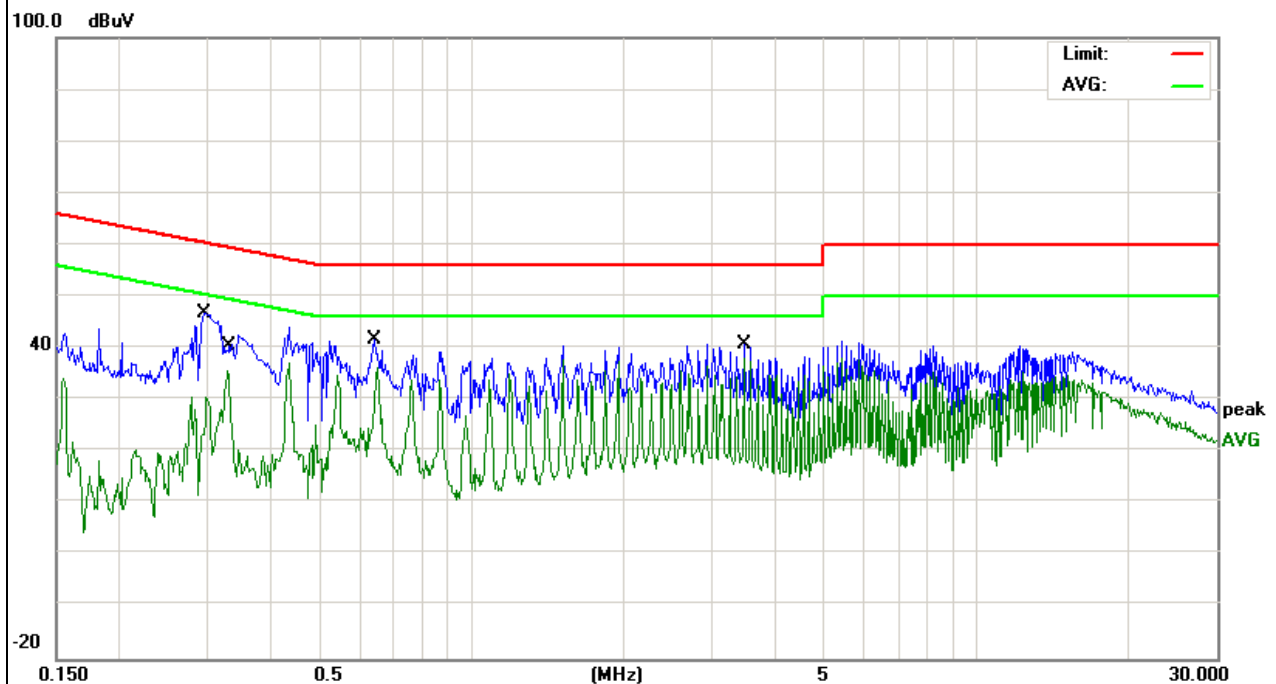
3.1.5 TEST RESULTS

EUT :	Wireless microphone receiver	Model Name. :	UHF-399
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Phase :	L
Test Voltage :	AC120V/60Hz	Test Mode :	Mode 1

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.2940	36.36	10.43	46.79	60.41	-13.62	QP
0.3268	25.08	10.42	35.50	49.53	-14.03	AVG
0.6419	31.37	10.41	41.78	56.00	-14.22	QP
0.6500	25.93	10.41	36.34	46.00	-9.66	AVG
3.4660	30.06	10.60	40.66	56.00	-15.34	QP
3.4660	27.49	10.60	38.09	46.00	-7.91	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

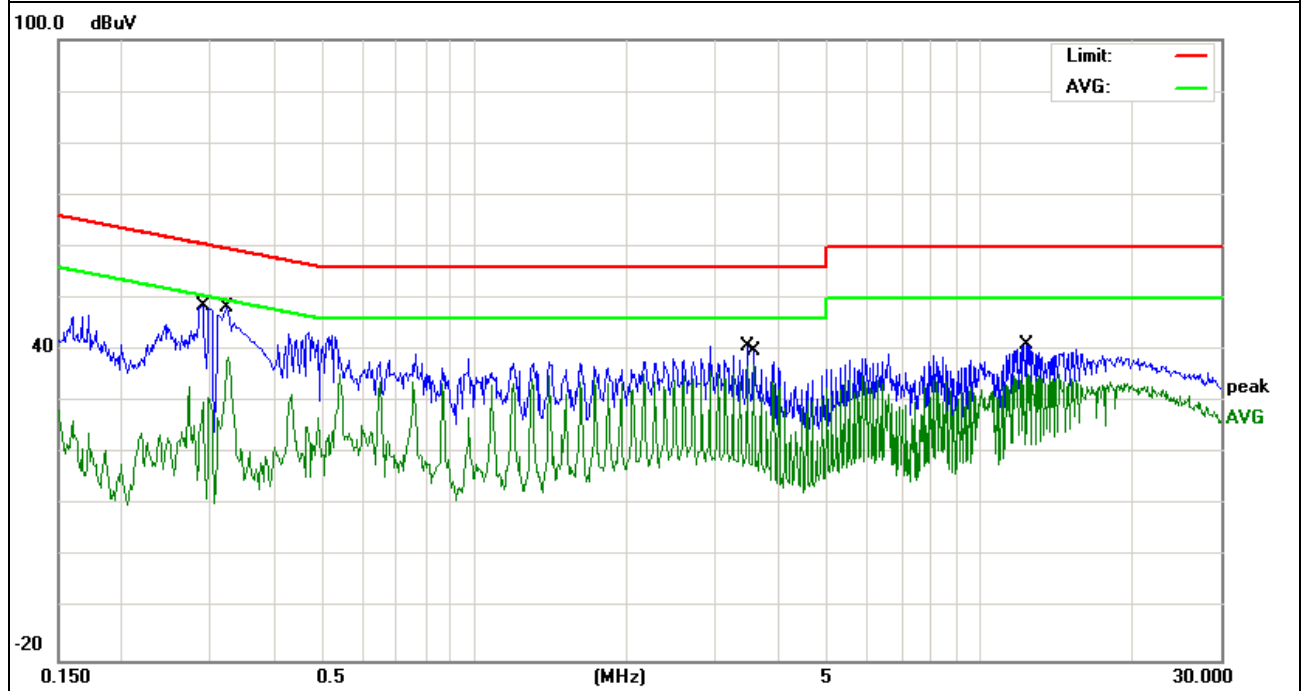


EUT :	Wireless microphone receiver	Model Name. :	UHF-399
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Phase :	N
Test Voltage :	AC120V/60Hz	Test Mode :	Mode 1

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2898	38.14	10.43	48.57	60.53	-11.96	QP
0.3260	28.10	10.42	38.52	49.55	-11.03	AVG
3.4660	30.13	10.60	40.73	56.00	-15.27	QP
3.5739	26.64	10.61	37.25	46.00	-8.75	AVG
12.3459	30.39	10.69	41.08	60.00	-18.92	QP
12.4579	24.79	10.69	35.48	50.00	-14.52	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



NOTE: All modes were test, Only the worst data were shown.

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Notes:

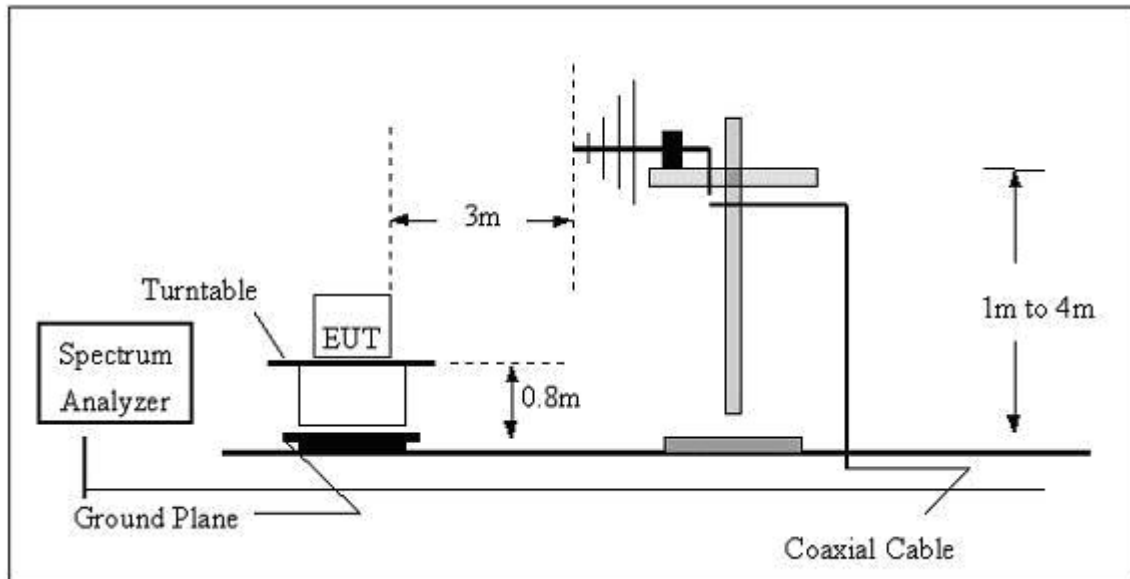
- (1) The limit for radiated test was performed according to as following:
FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

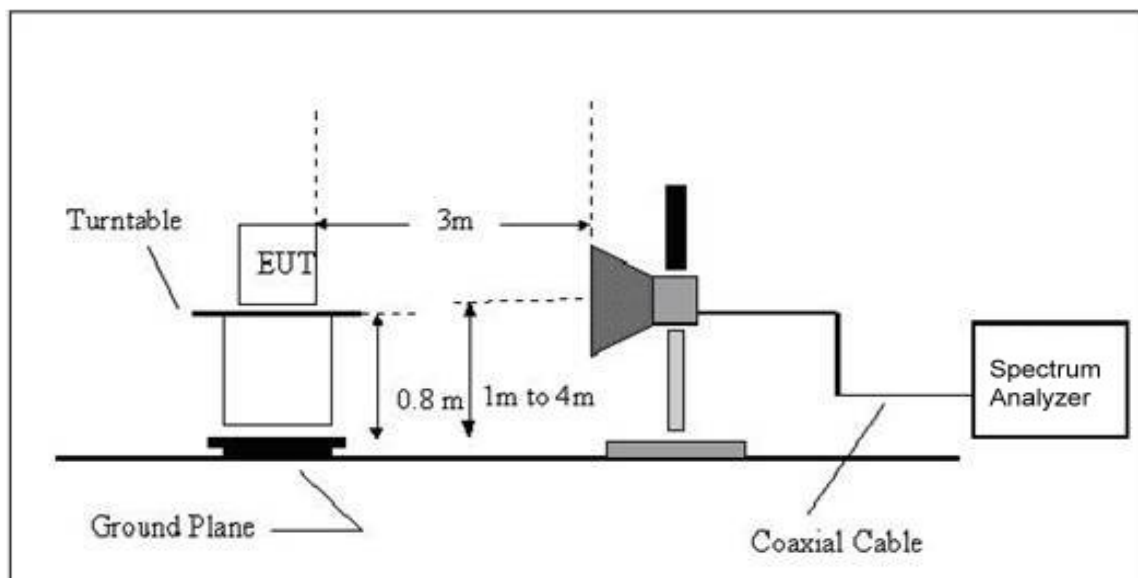
- a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted 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.
- e. 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.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 TEST RESULTS(Blow 30MHZ)

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

- 1.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 2.Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);
- 3.Limit line = specific limits(dBuv) + distance extrapolation factor.

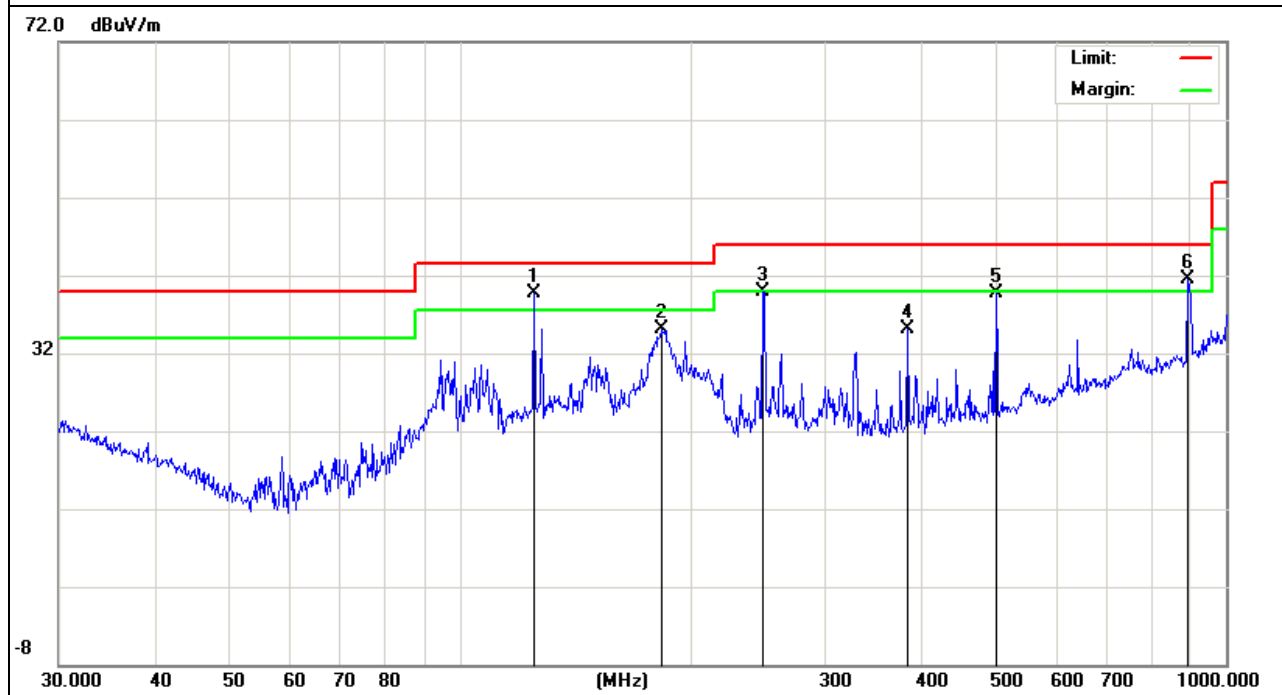
3.2.6 TEST RESULTS(30MHZ-1GHZ)

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
125.0066	27.74	11.9	39.64	43.5	-3.86	QP
183.2005	25.57	9.47	35.04	43.5	-8.46	QP
248.5517	27.07	12.83	39.9	46	-6.1	QP
383.9318	18.5	16.6	35.1	46	-10.9	QP
501.1788	20.36	19.43	39.79	46	-6.21	QP
890.7278	16.17	25.33	41.5	46	-4.5	QP

Remark:

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

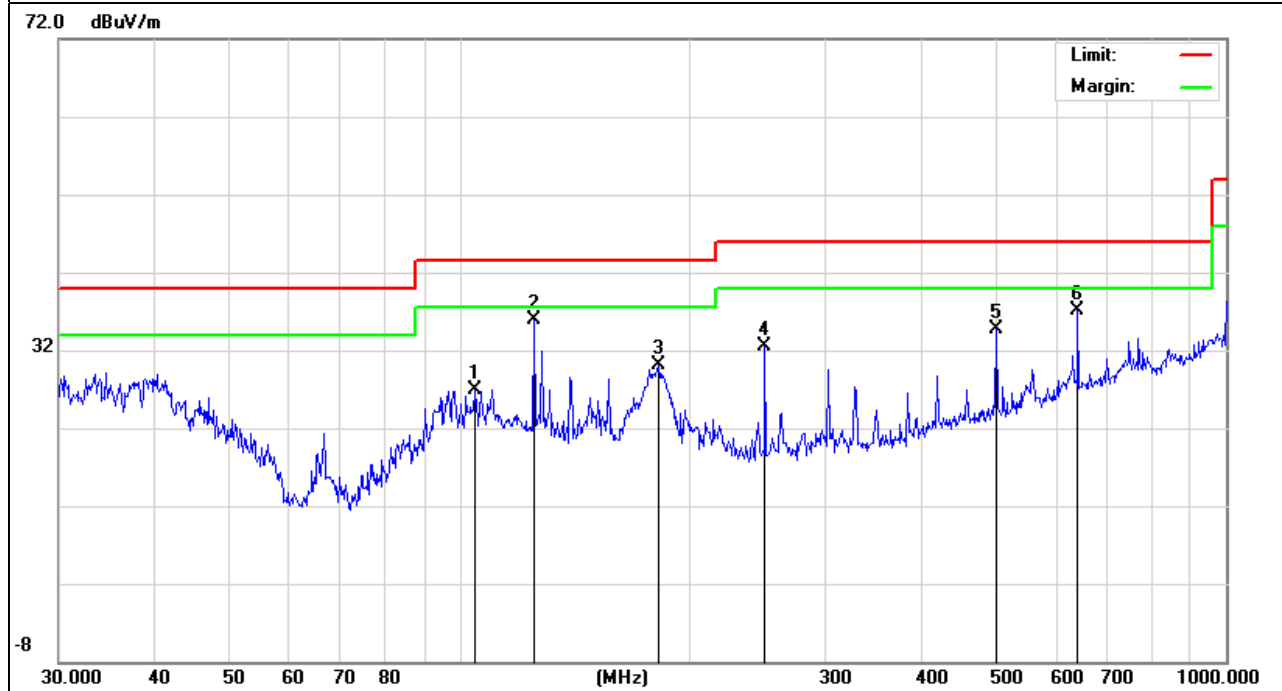


EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
104.5361	15.97	10.91	26.88	43.5	-16.62	QP
125.0066	24	11.9	35.9	43.5	-7.6	QP
181.92	20.54	9.55	30.09	43.5	-13.41	QP
250.301	19.42	13.09	32.51	46	-13.49	QP
501.1788	15.31	19.43	34.74	46	-11.26	QP
640.6109	15.28	21.76	37.04	46	-8.96	QP

Remark:

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

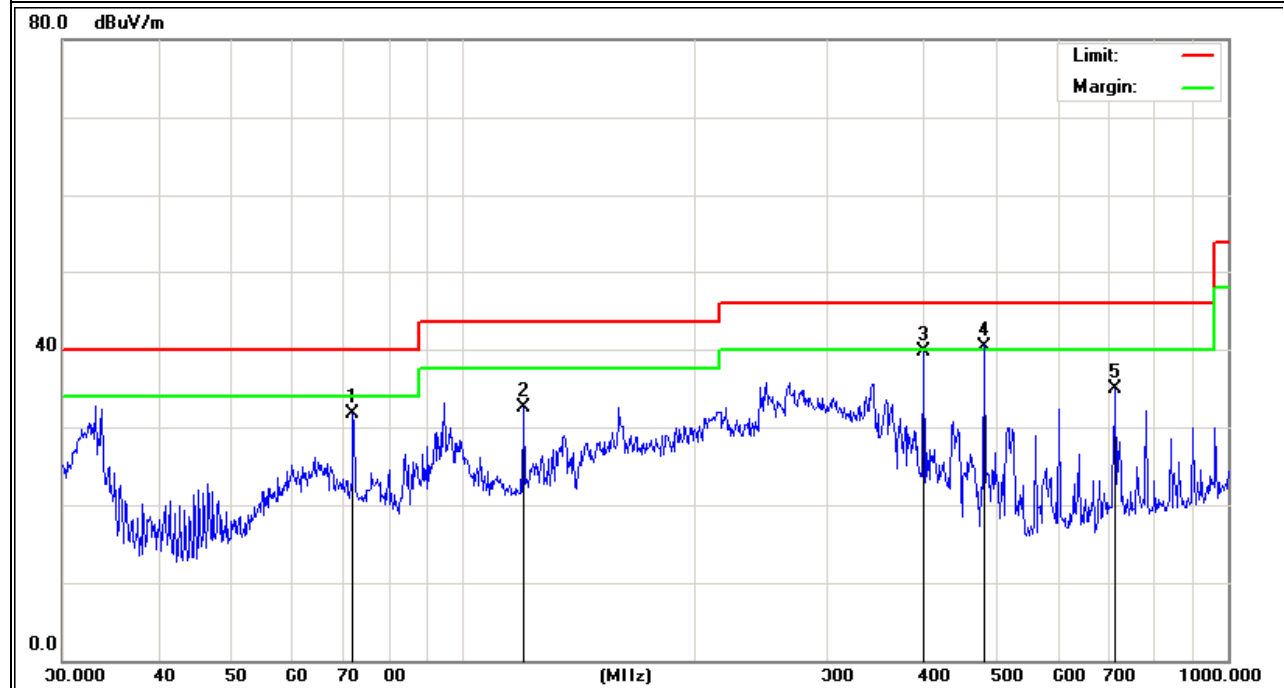


EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 2	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
71.8319	49.2	-17.44	31.76	40	-8.24	QP
119.8555	48.2	-15.75	32.45	43.5	-11.05	QP
400.4318	50.36	-10.61	39.75	46	-6.25	QP
480.5276	49.09	-8.69	40.4	46	-5.6	QP
711.6734	39.32	-4.39	34.93	46	-11.07	QP

Remark:

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

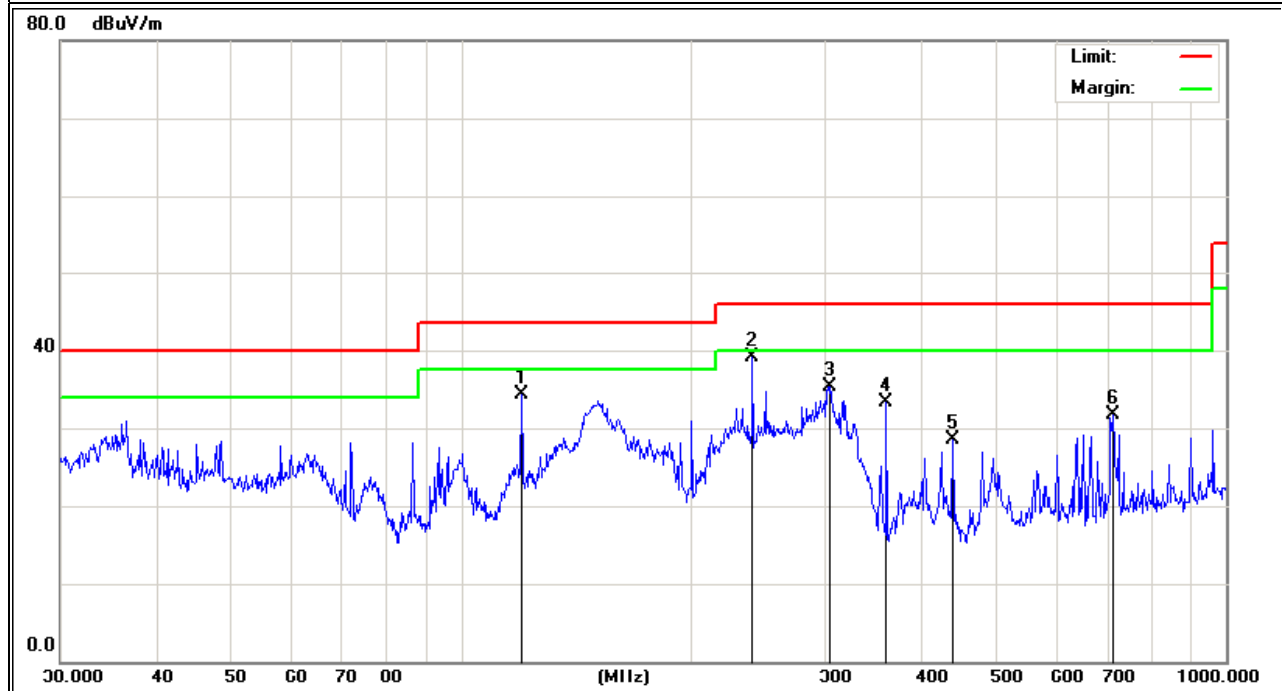


EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 2	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
119.8555	49.97	-15.75	34.22	43.50	-9.28	QP
239.9874	54.34	-15.26	39.08	46.00	-6.92	QP
304.6099	48.38	-13.11	35.27	46.00	-10.73	QP
360.4476	44.98	-11.72	33.26	46.00	-12.74	QP
440.1963	38.13	-9.55	28.58	46.00	-17.42	QP
711.6734	36.10	-4.39	31.71	46.00	-14.29	QP

Remark:

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

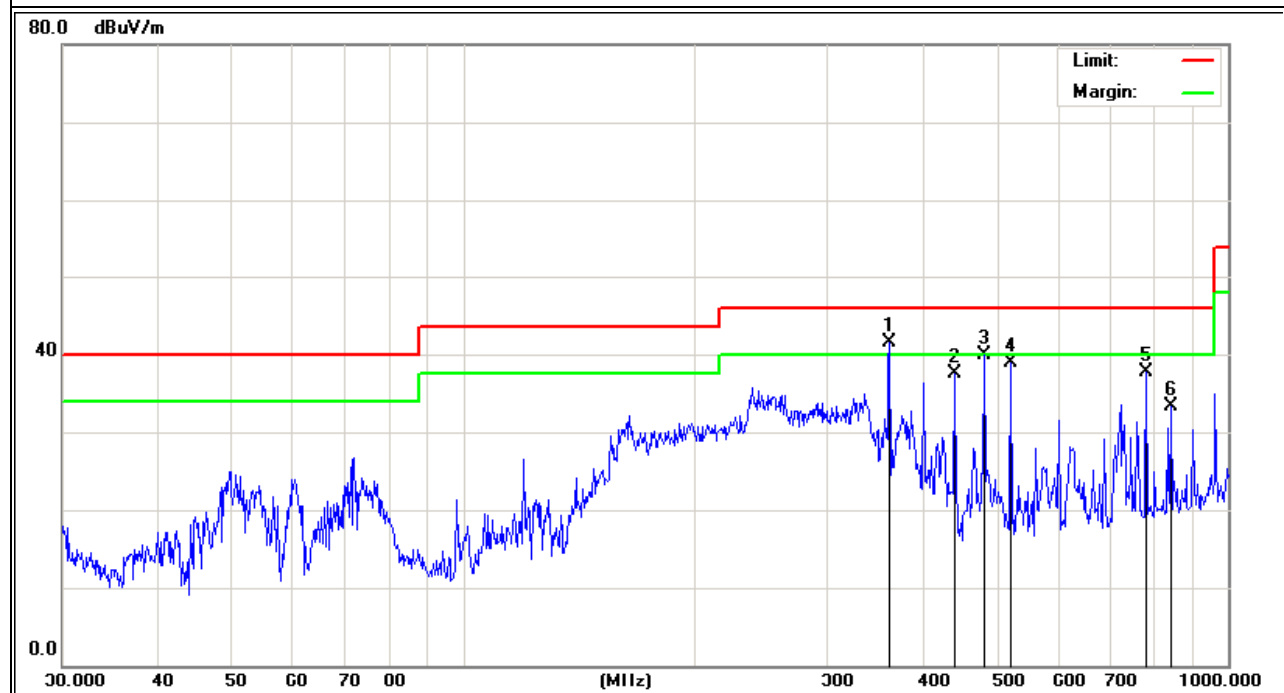


EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 3	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
361.7139	53.19	-11.69	41.50	46.00	-4.50	QP
440.1963	47.01	-9.55	37.46	46.00	-8.54	QP
480.5276	48.58	-8.69	39.89	46.00	-6.11	QP
520.8881	46.92	-8.04	38.88	46.00	-7.12	QP
782.3452	40.67	-3.04	37.63	46.00	-8.37	QP

Remark:

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

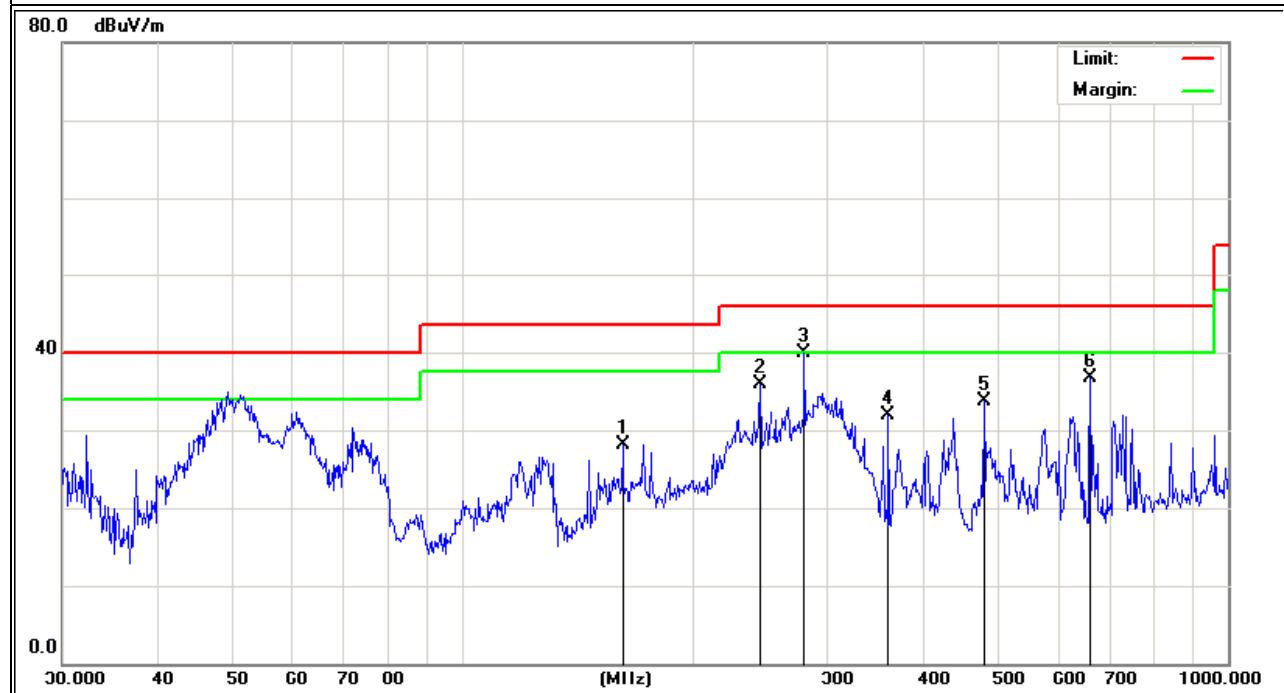


EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 3	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
161.4740	42.10	-13.90	28.20	43.50	-15.30	QP
244.2321	51.08	-15.14	35.94	46.00	-10.06	QP
280.0237	53.71	-13.79	39.92	46.00	-6.08	QP
360.4476	43.63	-11.72	31.91	46.00	-14.09	QP
480.5276	42.48	-8.69	33.79	46.00	-12.21	QP
661.1504	41.88	-5.18	36.70	46.00	-9.30	QP

Remark:

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



3.2.7 TEST RESULTS(1GHz-7GHz)

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1020.523	52.27	-17.07	35.20	54.00	-18.80	peak
2040.890	49.67	-3.96	45.71	54.00	-8.29	peak

Remark:

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

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1020.523	51.34	-17.07	34.27	54.00	-19.73	peak
2040.890	48.24	-3.96	44.28	54.00	-9.72	peak

Remark:

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

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 2	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1200.523	51.34	-17.97	33.37	54.00	-20.63	peak
2400.890	48.24	-3.98	44.26	54.00	-9.74	peak

Remark:

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

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 2	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1200.523	50.67	-17.97	32.70	54.00	-21.30	peak
2400.890	47.32	-3.98	43.34	54.00	-10.66	peak

Remark:

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

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 3	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1380.43	52.01	-17.27	34.74	54	-19.26	peak
2070.883	51.22	-4.12	47.10	54	-6.90	peak

Remark:

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

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 3	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1380.43	53.76	-17.27	36.49	54	-17.51	peak
2070.883	52.45	-4.12	46.61	54	-7.39	peak

Remark:

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

4. ANTENNA POWER CONDUCTION TEST

Testing was carried out at the receiver antenna terminal.

A spectrum analyser was directly connected to the antenna port using a 50 ohm coaxial cable.

Measurements were carried out up to the 2nd harmonic of the highest Frequency which is 1380 MHz.

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 1		

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
160.0000	-92.4	-57	35.4
320.0000	-81.4	-57	24.4
480.0000	-82.3	-57	25.3
640.0000	-82.7	-57	25.7
800.0000	-95.5	-57	38.5
960.0000	-94.3	-57	37.3
1120.0000	-92.6	-57	35.6

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 2		

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
160.0000	-93.2	-57	36.2
320.0000	-88.9	-57	31.9
480.0000	-86.2	-57	29.2
640.0000	-81.4	-57	24.4
800.0000	-94.3	-57	37.3
960.0000	-92.5	-57	35.5
1120.0000	-93.4	-57	36.4

EUT :	Wireless microphone receiver	Model Name :	UHF-399
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	AC120V
Test Mode :	Mode 3		

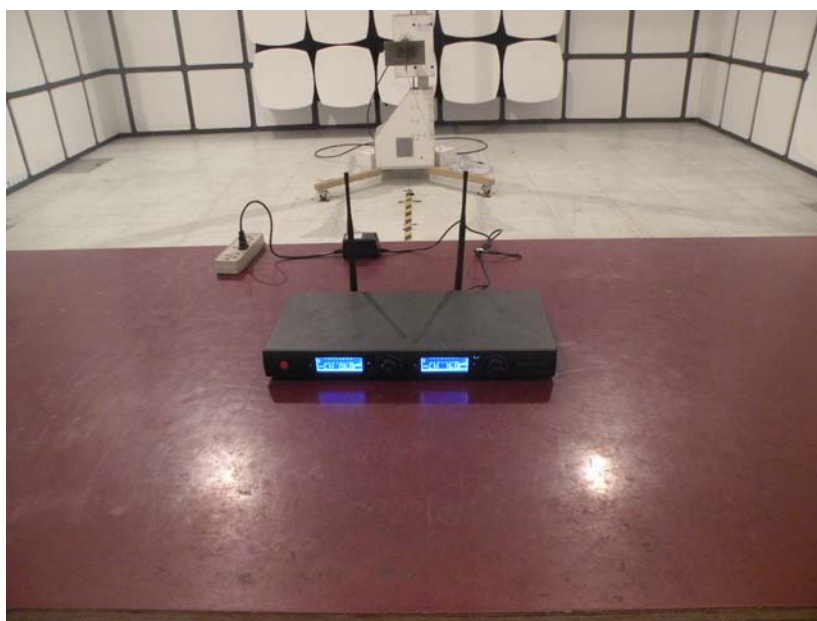
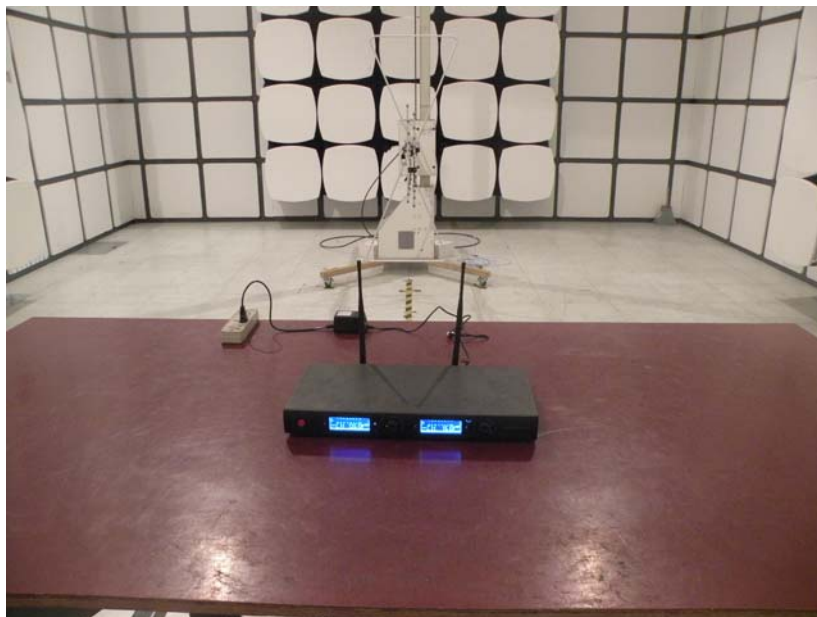
Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
160.0000	-94.5	-57	37.5
320.0000	-87.7	-57	30.7
480.0000	-86.9	-57	29.9
640.0000	-85.4	-57	28.4
800.0000	-94.3	-57	37.3
960.0000	-93.7	-57	36.7
1120.0000	-94.6	-57	37.6

A limit of -57 dBm or 2 uW was applied.

Result: Complies.

4. EUT TEST PHOTO

Radiated Measurement Photos



Conducted Emission Photos

