TEST REPORT

Report No.:	BCTC2401260677-1E
Applicant:	Shenzhen Baseus Technology Co., Ltd.
Product Name:	Baseus LightChaser Series Triple-Coil Wireless Charging Electric Car Mount
Test Model:	BS-CM029
Tested Date:	2024-01-09 to 2024-03-20
Issued Date:	2024-03-20

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2A482-CM029

Product Name:	Baseus LightChaser Series Triple-Coil Wireless Charging Electric Car Mount
Trademark:	baseus
Model/Type reference:	BS-CM029
Prepared For:	Shenzhen Baseus Technology Co., Ltd.
Address:	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Manufacturer:	Shenzhen Baseus Technology Co., Ltd.
Address:	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2024-01-09
Sample tested Date:	2024-01-09 to 2024-03-20
Issue Date:	2024-03-20
Report No.:	BCTC2401260677-1E
Test Standards:	FCC Part15.209 ANSI C63.10-2013
Test Results:	PASS

Tested by:

Shanshan. Zhang / Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp.This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full.The tested sample(s) and the sample information are provided by the client.

Table Of Content

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2401260677-1E	2024-03-20	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No	Results
1	Conducted Emission	15.207	PASS
2	Radiated Emission	15.209	PASS
3	20dB Bandwidth	15.215	PASS
4	Antenna Requirement	15.203	PASS

3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product 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.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59℃

4. Product Information And Test Setup

4.1 Product Information

Model/Type Reference: BS-CM029
Model Differences: N/A
Hardware Version: V14
Software Version: CB1-2-CM029-V1
Operation Frequency: 115kHz-205kHz
Type of Modulation: FSK
Antenna installation: loop coil antenna
Ratings: Type C Input: DC 5V/2A or DC 9V/2.4A
Remark: The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information.

4.2 Support Equipment

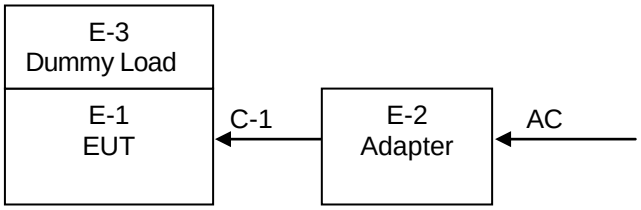
No.	Device Type	Brand	Model	Series No.	Note
E-1	Baseus LightChaser Series Triple-Coil Wireless Charging Electric Car Mount	baseus	BS-CM029	N/A	EUT
E-2	ADAPTER	Hoco.	N18	---	Auxiliary
E-3	Dummy load	N/A	DL02	N/A	Auxiliary

Notes:
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

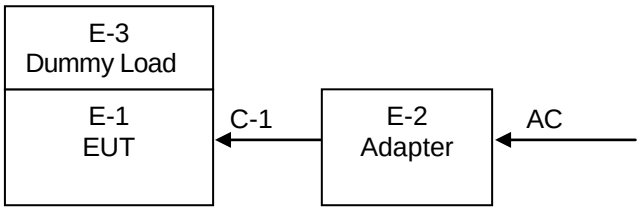
4.3 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Conducted Emission:



Radiated Spurious Emission



4.4 Test Mode

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

Test Mode 1	Full Load(coil 1)
Test Mode 2	Half Load(coil 1)
Test Mode 3	Null Load(coil 1)
Test Mode 4	Full Load(coil 2)
Test Mode 5	Half Load(coil 2)
Test Mode 6	Null Load(coil 2)
Test Mode 7	Full Load(coil 3)
Test Mode 8	Half Load(coil 3)
Test Mode 9	Null Load(coil 3)

Note:
All test mode were tested and passed, only Conducted Emissions, Radiated Emissions shows (*) is the worst case mode which were recorded in this report.

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.
FCC Test Firm Registration Number: 712850
A2LA certificate registration number is: CN1212
ISED Registered No.: 23583
ISED CAB identifier: CN0017

5.2 Test Instrument Used

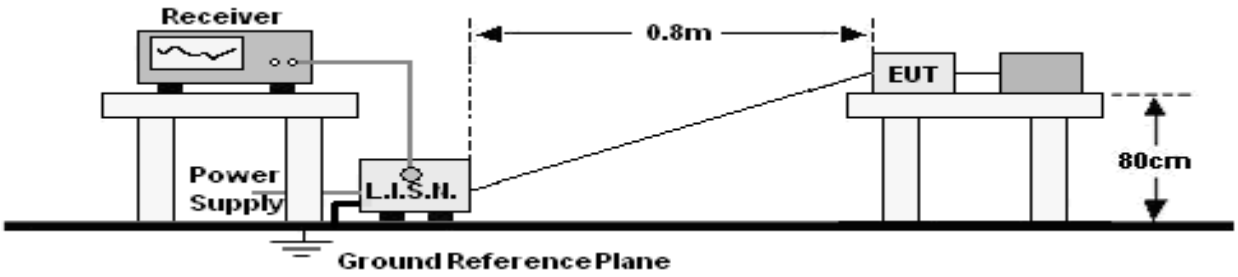
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
LISN	R&S	ENV216	101375	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	Sept. 22, 2023	Sept 21, 2024

RF Conducted Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Power meter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024

Radiated Emissions Test (966 Chamber01)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRP	101154	May 15, 2023	May 14, 2024
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 15, 2023	May 14, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 29, 2023	May 28, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18G-45dB	SK2021040901	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Amplifier(18GHz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 15, 2023	May 14, 2024
Horn Antenna(18GHz-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

FREQUENCY (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00
Notes: 1. *Decreasing linearly with logarithm of frequency. 2. The lower limit shall apply at the transition frequencies.		

6.3 Test Procedure

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

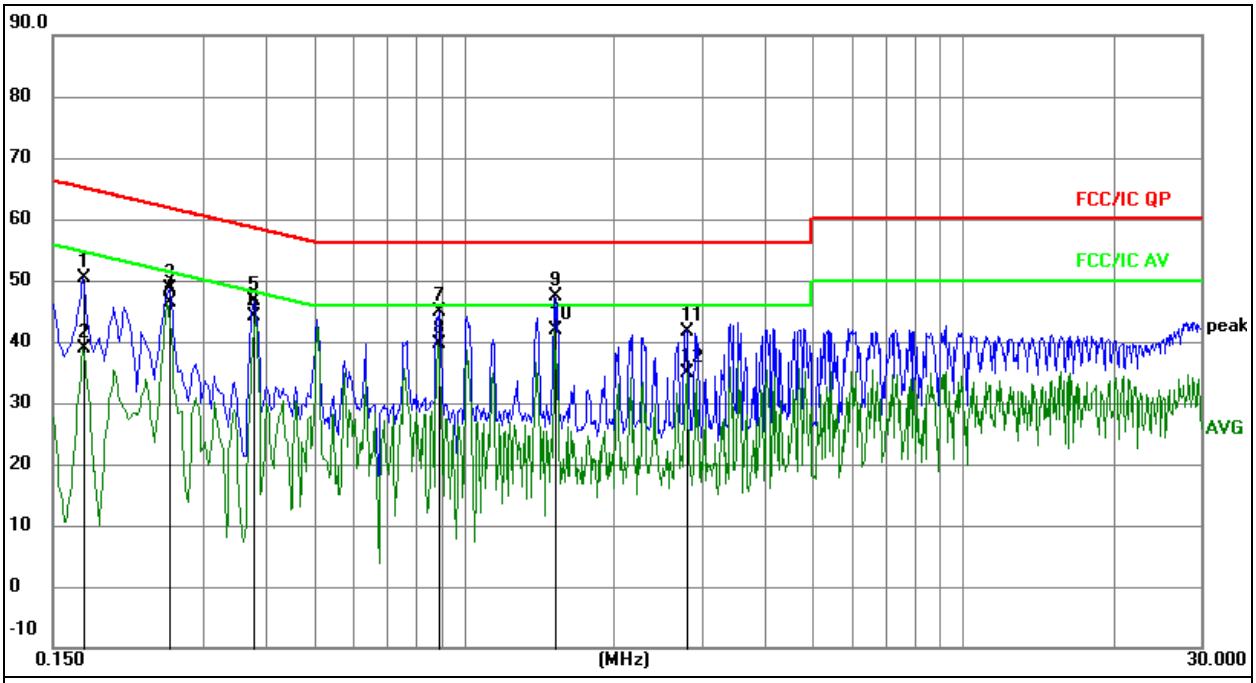
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

6.5 Test Result

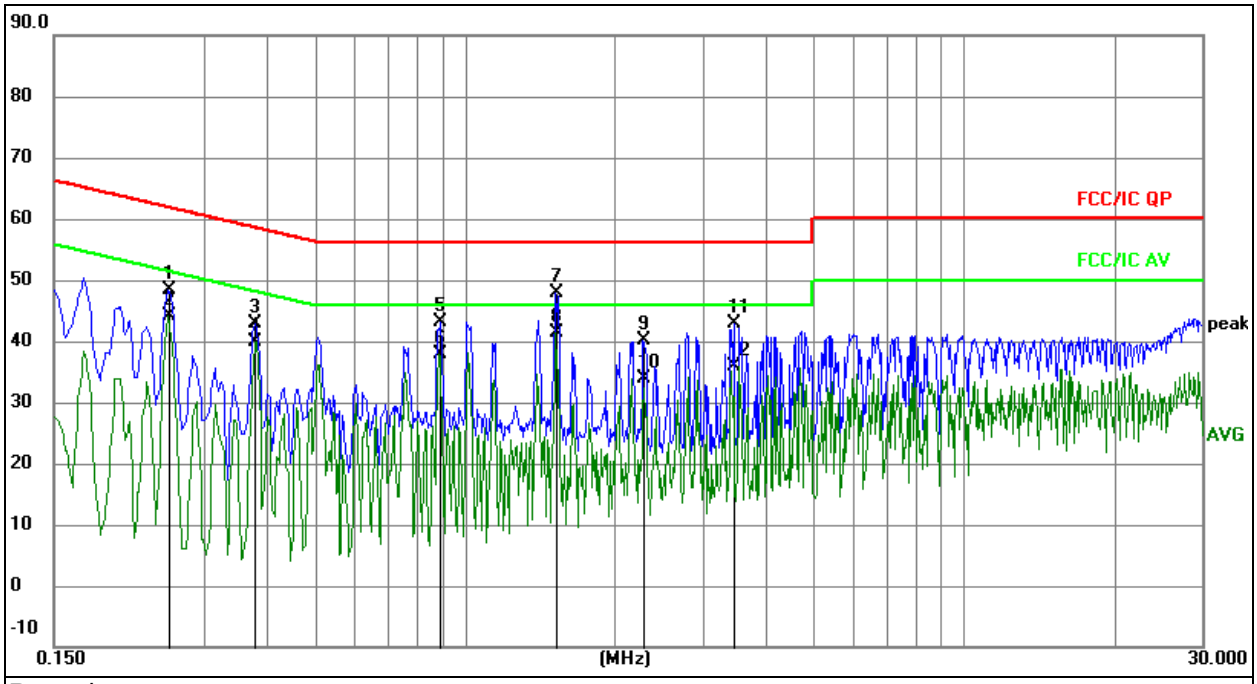
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1(the worst mode)



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1722	30.68	19.77	50.45	64.85	-14.40	QP
2		0.1722	19.11	19.77	38.88	54.85	-15.97	AVG
3		0.2575	28.83	19.83	48.66	61.51	-12.85	QP
4		0.2575	26.62	19.83	46.45	51.51	-5.06	AVG
5		0.3791	26.78	19.84	46.62	58.30	-11.68	QP
6		0.3791	24.19	19.84	44.03	48.30	-4.27	AVG
7		0.8944	25.04	19.91	44.95	56.00	-11.05	QP
8		0.8944	19.66	19.91	39.57	46.00	-6.43	AVG
9		1.5193	27.46	19.95	47.41	56.00	-8.59	QP
10	*	1.5193	21.82	19.95	41.77	46.00	-4.23	AVG
11		2.7942	21.52	20.23	41.75	56.00	-14.25	QP
12		2.7942	14.58	20.23	34.81	46.00	-11.19	AVG

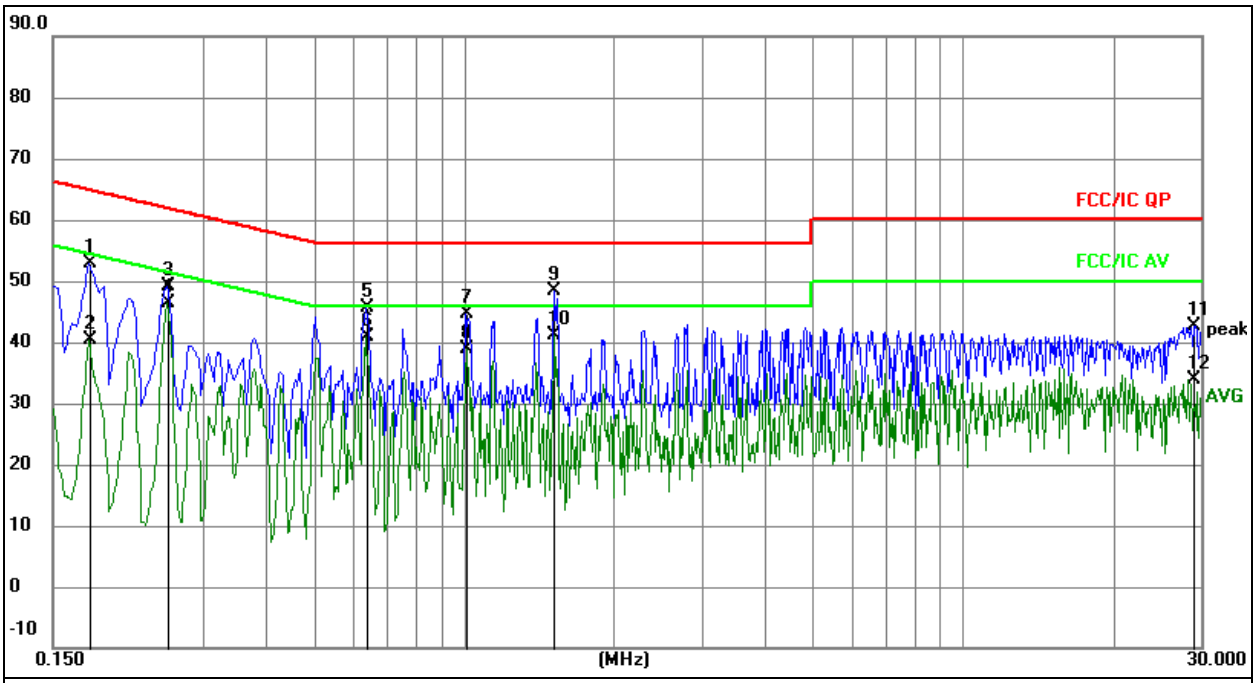
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1(the worst mode)



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2535	28.48	19.83	48.31	61.64	-13.33	QP
2		0.2535	24.19	19.83	44.02	51.64	-7.62	AVG
3		0.3791	22.94	19.84	42.78	58.30	-15.52	QP
4		0.3791	20.14	19.84	39.98	48.30	-8.32	AVG
5		0.8944	23.29	19.91	43.20	56.00	-12.80	QP
6		0.8944	18.03	19.91	37.94	46.00	-8.06	AVG
7		1.5193	27.99	19.95	47.94	56.00	-8.06	QP
8	*	1.5193	21.45	19.95	41.40	46.00	-4.60	AVG
9		2.2726	20.12	20.05	40.17	56.00	-15.83	QP
10		2.2726	13.90	20.05	33.95	46.00	-12.05	AVG
11		3.4538	22.31	20.47	42.78	56.00	-13.22	QP
12		3.4538	15.50	20.47	35.97	46.00	-10.03	AVG

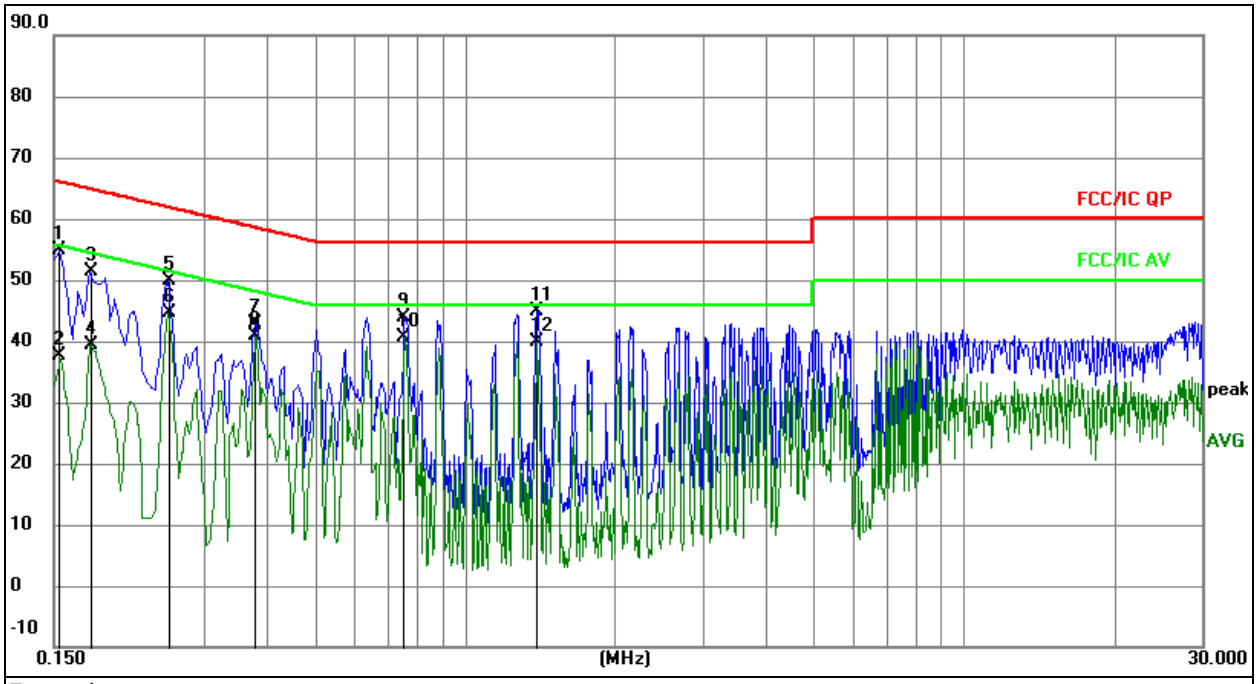
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(the worst mode)



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1768	33.11	19.78	52.89	64.63	-11.74	QP
2		0.1768	20.58	19.78	40.36	54.63	-14.27	AVG
3		0.2535	29.39	19.83	49.22	61.64	-12.42	QP
4		0.2535	26.62	19.83	46.45	51.64	-5.19	AVG
5		0.6372	25.83	19.84	45.67	56.00	-10.33	QP
6		0.6372	20.92	19.84	40.76	46.00	-5.24	AVG
7		1.0050	24.70	19.95	44.65	56.00	-11.35	QP
8		1.0050	19.02	19.95	38.97	46.00	-7.03	AVG
9		1.5113	28.39	19.95	48.34	56.00	-7.66	QP
10	*	1.5113	21.10	19.95	41.05	46.00	-4.95	AVG
11		29.0613	22.57	19.99	42.56	60.00	-17.44	QP
12		29.0613	13.93	19.99	33.92	50.00	-16.08	AVG

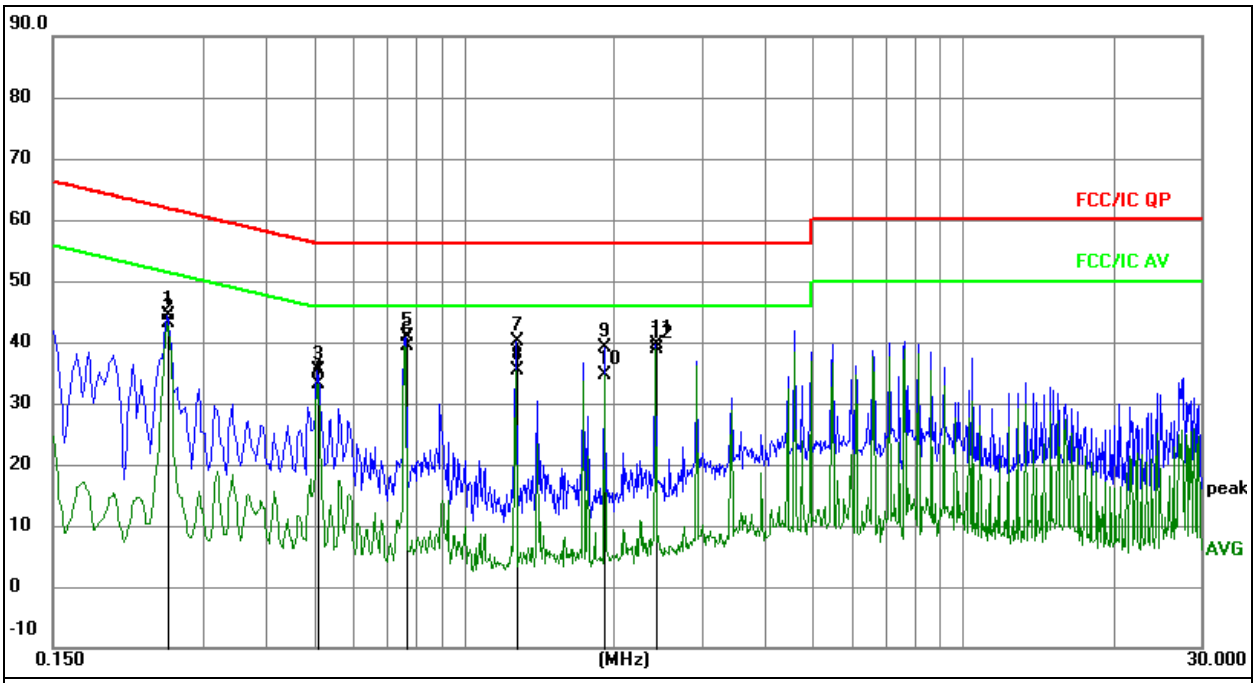
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(the worst mode)



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1539	35.16	19.74	54.90	65.79	-10.89	QP
2		0.1539	17.85	19.74	37.59	55.79	-18.20	AVG
3		0.1768	31.69	19.78	51.47	64.63	-13.16	QP
4		0.1768	19.63	19.78	39.41	54.63	-15.22	AVG
5		0.2535	30.11	19.83	49.94	61.64	-11.70	QP
6		0.2535	24.91	19.83	44.74	51.64	-6.90	AVG
7		0.3791	23.07	19.84	42.91	58.30	-15.39	QP
8		0.3791	21.07	19.84	40.91	48.30	-7.39	AVG
9		0.7549	24.06	19.86	43.92	56.00	-12.08	QP
10	*	0.7549	20.66	19.86	40.52	46.00	-5.48	AVG
11		1.3958	24.93	19.95	44.88	56.00	-11.12	QP
12		1.3958	20.04	19.95	39.99	46.00	-6.01	AVG

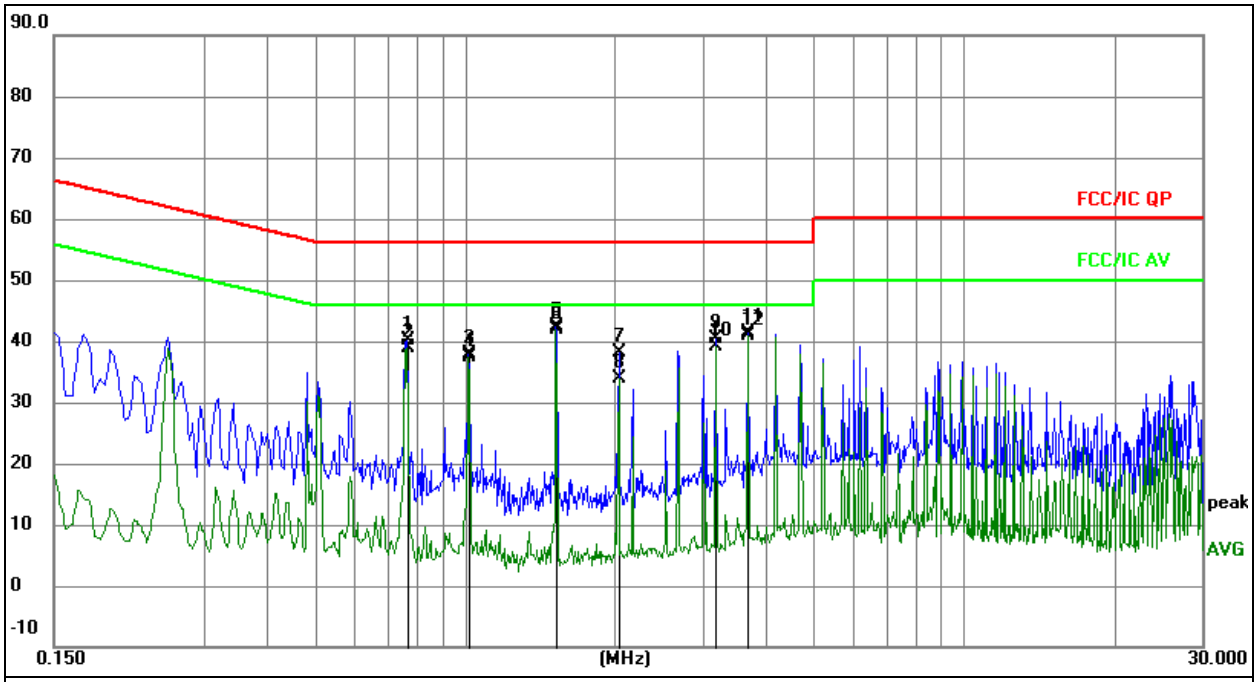
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 7(the worst mode)



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2535	24.58	19.83	44.41	61.64	-17.23	QP
2		0.2535	23.42	19.83	43.25	51.64	-8.39	AVG
3		0.5100	15.65	19.84	35.49	56.00	-20.51	QP
4		0.5100	13.35	19.84	33.19	46.00	-12.81	AVG
5		0.7665	21.14	19.86	41.00	56.00	-15.00	QP
6	*	0.7665	19.56	19.86	39.42	46.00	-6.58	AVG
7		1.2705	20.21	19.95	40.16	56.00	-15.84	QP
8		1.2705	15.54	19.95	35.49	46.00	-10.51	AVG
9		1.9140	19.25	19.95	39.20	56.00	-16.80	QP
10		1.9140	14.69	19.95	34.64	46.00	-11.36	AVG
11		2.4224	19.43	20.10	39.53	56.00	-16.47	QP
12		2.4224	18.76	20.10	38.86	46.00	-7.14	AVG

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 7(the worst mode)



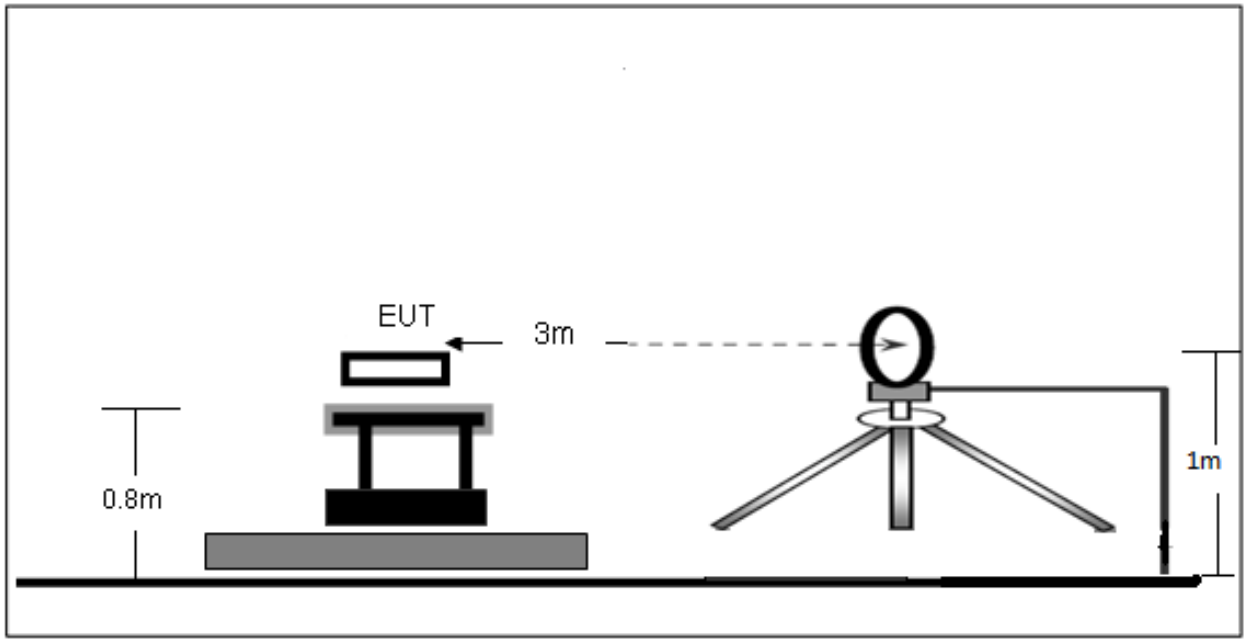
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.7630	20.18	19.86	40.04	56.00	-15.96	QP
2		0.7630	19.08	19.86	38.94	46.00	-7.06	AVG
3		1.0157	18.02	19.95	37.97	56.00	-18.03	QP
4		1.0157	17.47	19.95	37.42	46.00	-8.58	AVG
5		1.5193	22.41	19.95	42.36	56.00	-13.64	QP
6	*	1.5193	21.81	19.95	41.76	46.00	-4.24	AVG
7		2.0333	18.08	19.96	38.04	56.00	-17.96	QP
8		2.0333	13.97	19.96	33.93	46.00	-12.07	AVG
9		3.1731	19.96	20.37	40.33	56.00	-15.67	QP
10		3.1731	18.78	20.37	39.15	46.00	-6.85	AVG
11		3.6806	20.81	20.55	41.36	56.00	-14.64	QP
12		3.6806	20.29	20.55	40.84	46.00	-5.16	AVG

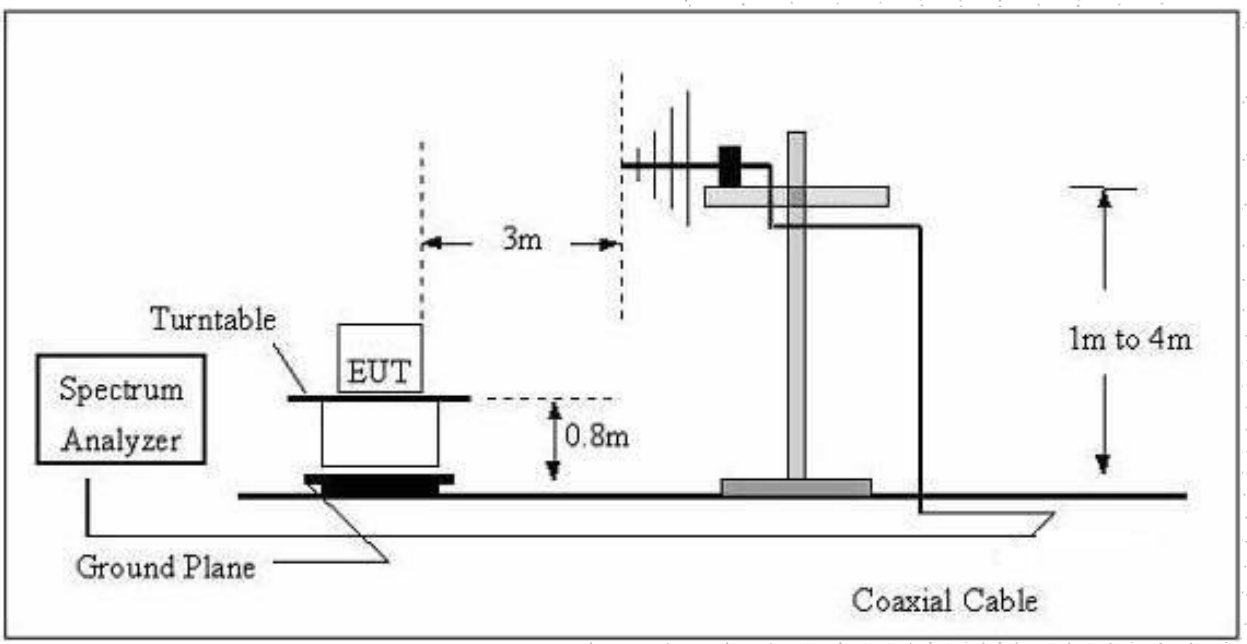
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



7.2 Limit

FCC §15.209; §15.205.

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

7.3 Test Procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

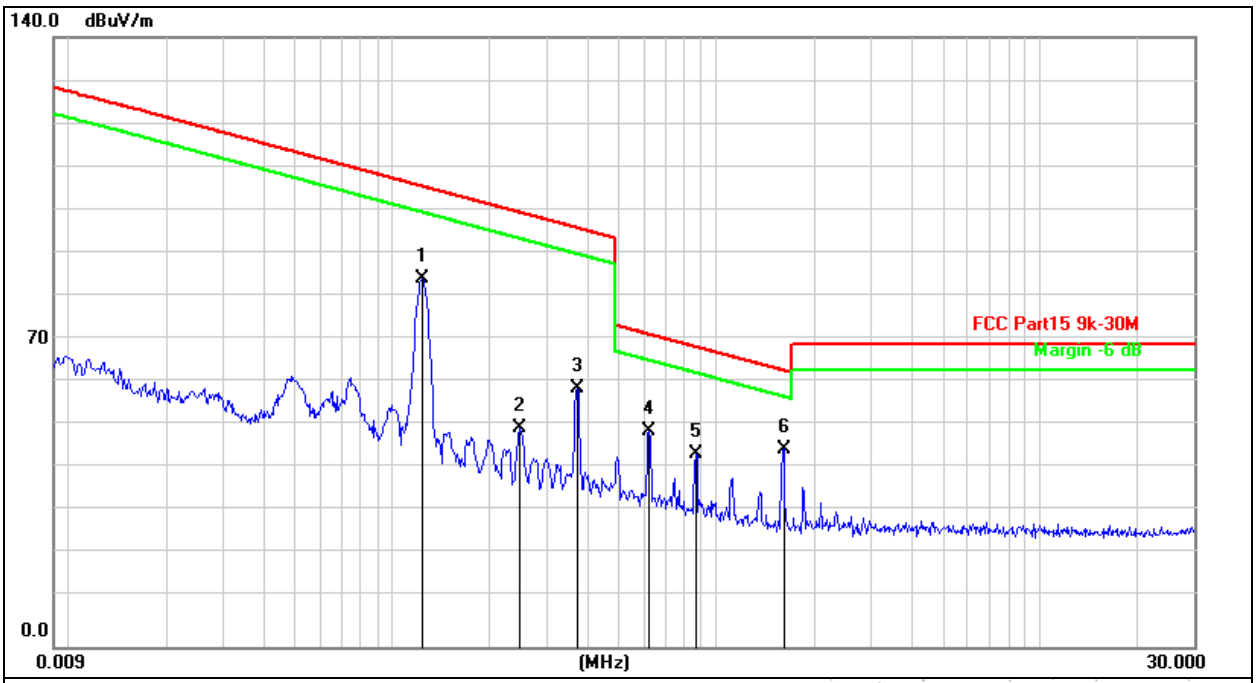
Below 1GHz test procedure as below:
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:
g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel.
Note:
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

7.4 Test Result

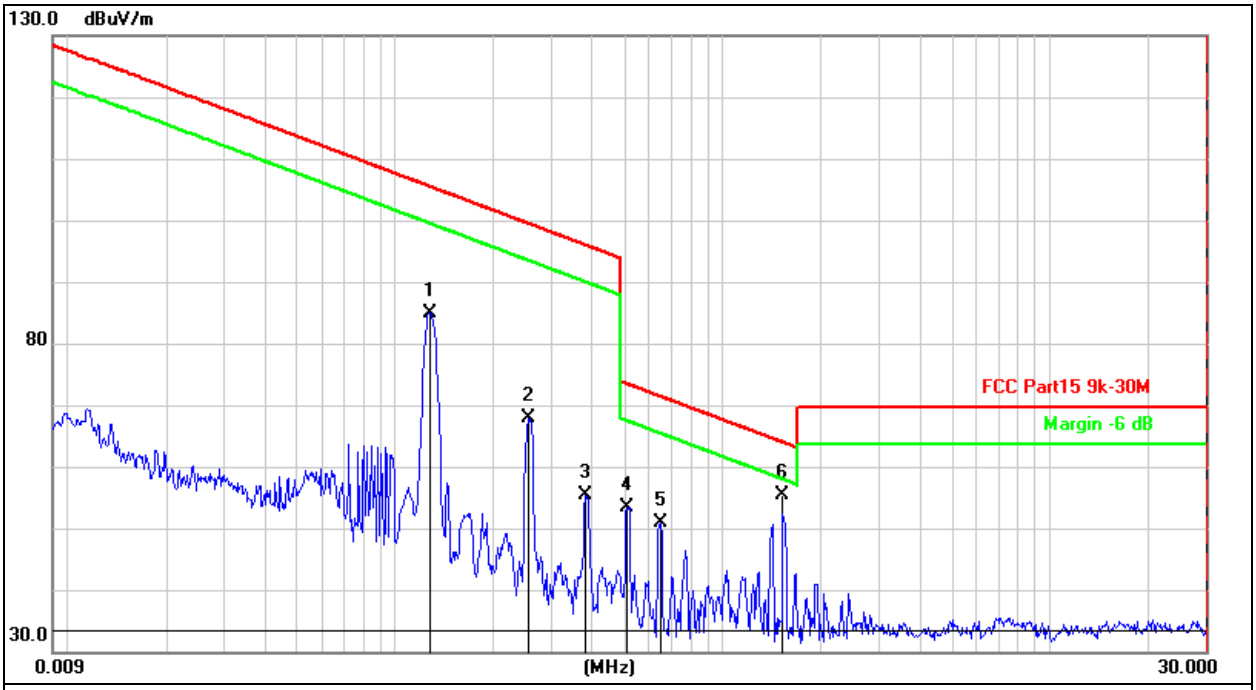
9kHz-30MHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1(the worst mode)	Polarization:	Coaxial



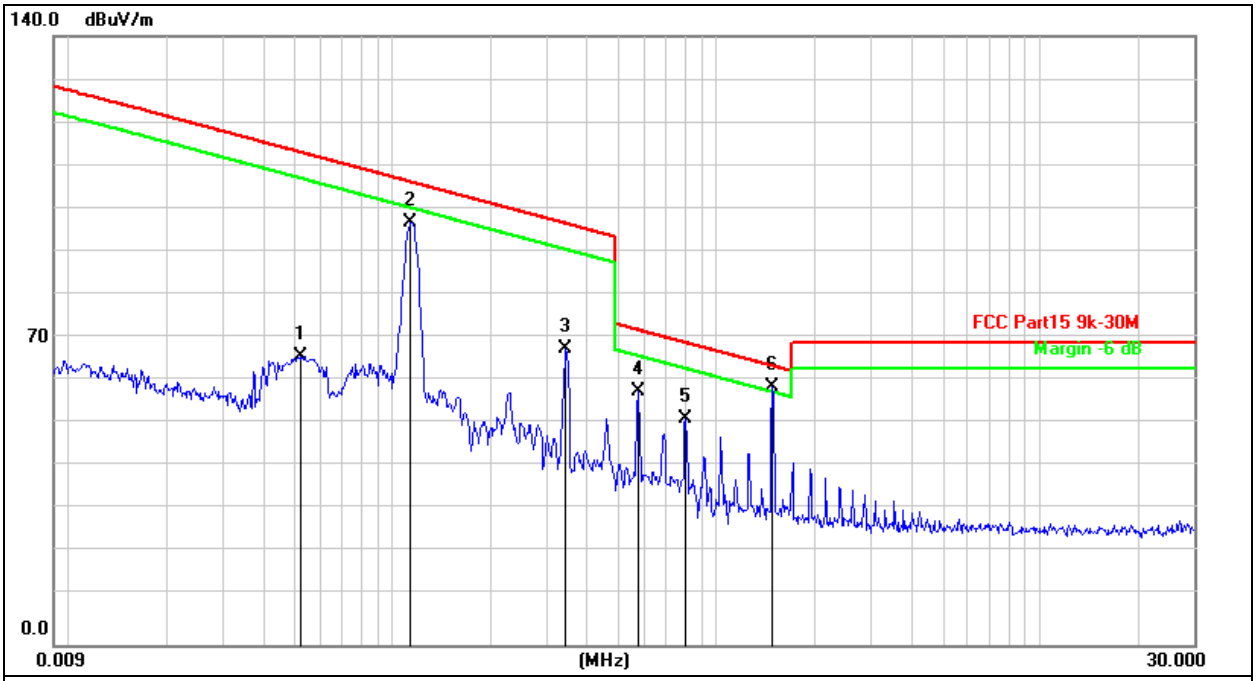
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.1236	91.91	-7.53	84.38	105.7	-21.38	QP
2		0.2464	57.92	-7.75	50.17	99.77	-49.60	QP
3		0.3726	66.94	-7.66	59.28	96.18	-36.90	QP
4		0.6211	57.02	-7.44	49.58	71.75	-22.17	QP
5		0.8662	51.67	-7.36	44.31	68.87	-24.56	QP
6	*	1.6177	52.70	-7.34	45.36	63.46	-18.10	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4(the worst mode)	Polarization:	Coaxial



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.1276	92.48	-7.54	84.94	105.4	-20.55	peak
2		0.2545	75.63	-7.74	67.89	99.49	-31.60	peak
3		0.3816	62.92	-7.65	55.27	95.97	-40.70	peak
4		0.5111	60.87	-7.56	53.31	73.43	-20.12	peak
5		0.6468	58.32	-7.42	50.90	71.40	-20.50	peak
6	*	1.5284	62.67	-7.34	55.33	63.95	-8.62	peak

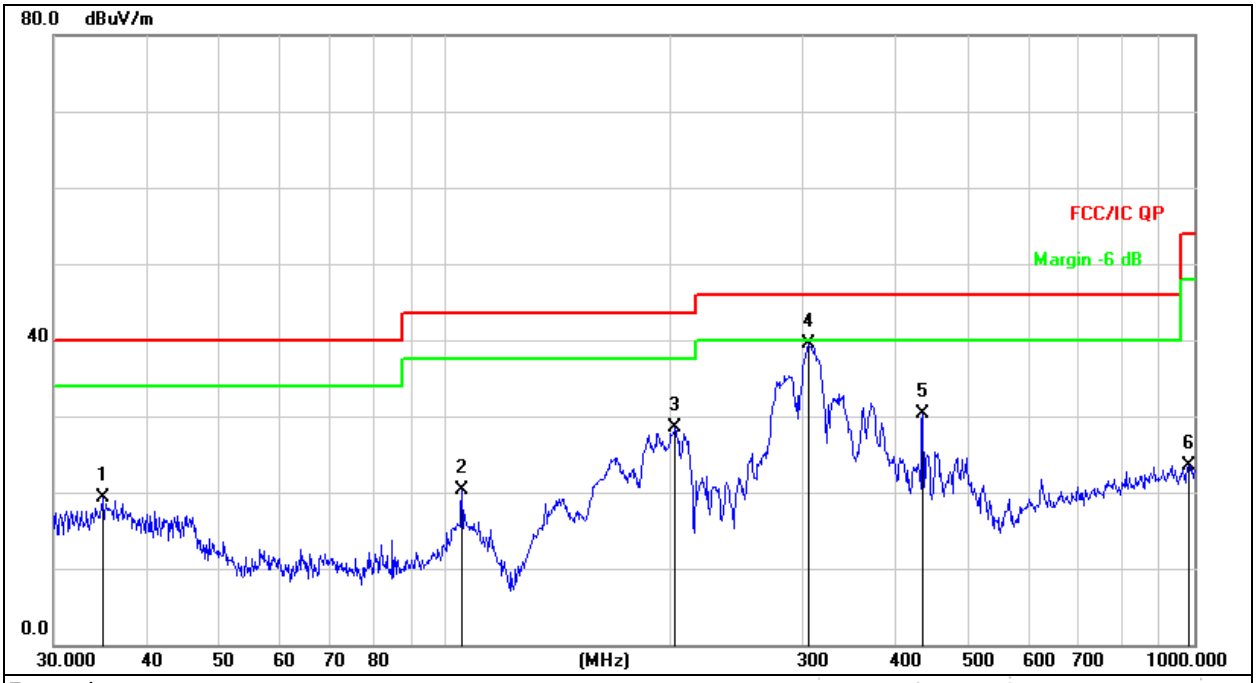
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 7(the worst mode)	Polarization:	Coaxial



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		0.0523	73.57	-7.34	66.23	113.2	-47.00	QP
2		0.1140	104.71	-7.52	97.19	106.4	-9.28	QP
3		0.3436	75.64	-7.68	67.96	96.88	-28.92	QP
4		0.5726	65.83	-7.49	58.34	72.45	-14.11	QP
5		0.8052	59.41	-7.36	52.05	69.50	-17.45	QP
6	*	1.4916	66.76	-7.34	59.42	64.16	-4.74	QP

Between 30MHz – 1GHz

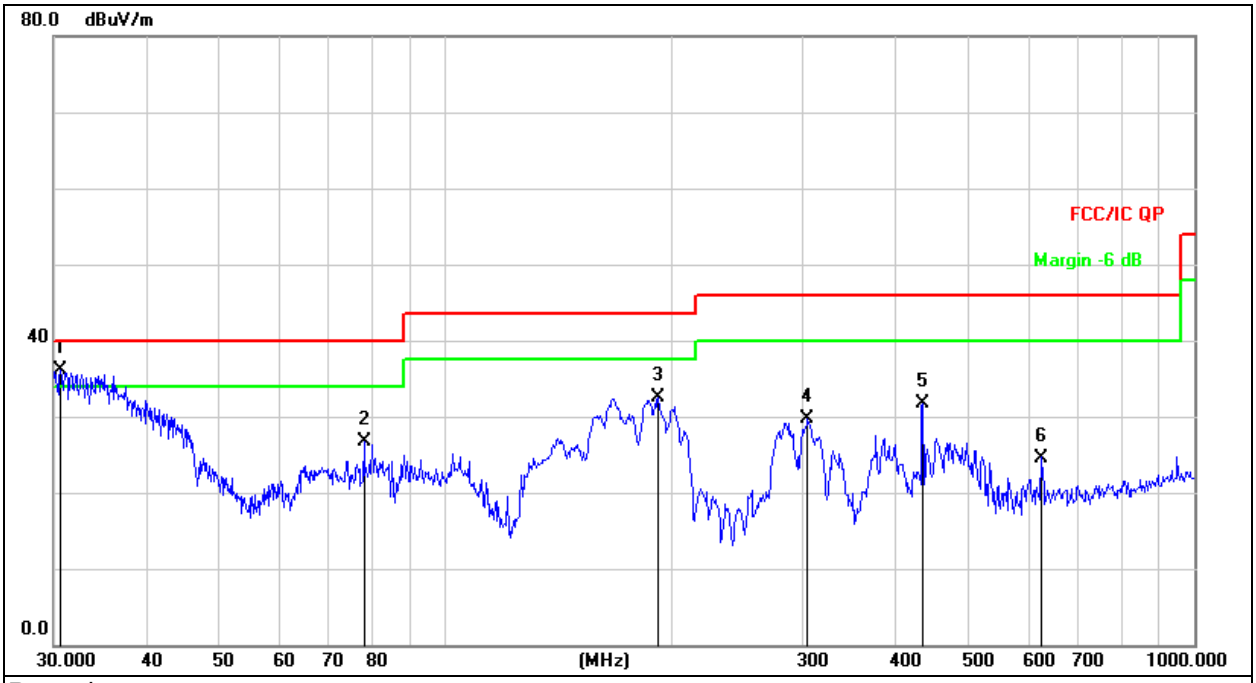
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1(the worst mode)	Polarization:	Horizontal



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		34.8823	35.01	-15.71	19.30	40.00	-20.70	QP
2		105.2718	36.66	-16.30	20.36	43.50	-23.14	QP
3		202.8104	44.05	-15.64	28.41	43.50	-15.09	QP
4	*	305.6800	52.54	-13.04	39.50	46.00	-6.50	QP
5		434.0651	40.40	-10.17	30.23	46.00	-15.77	QP
6		982.6200	26.00	-2.56	23.44	54.00	-30.56	QP

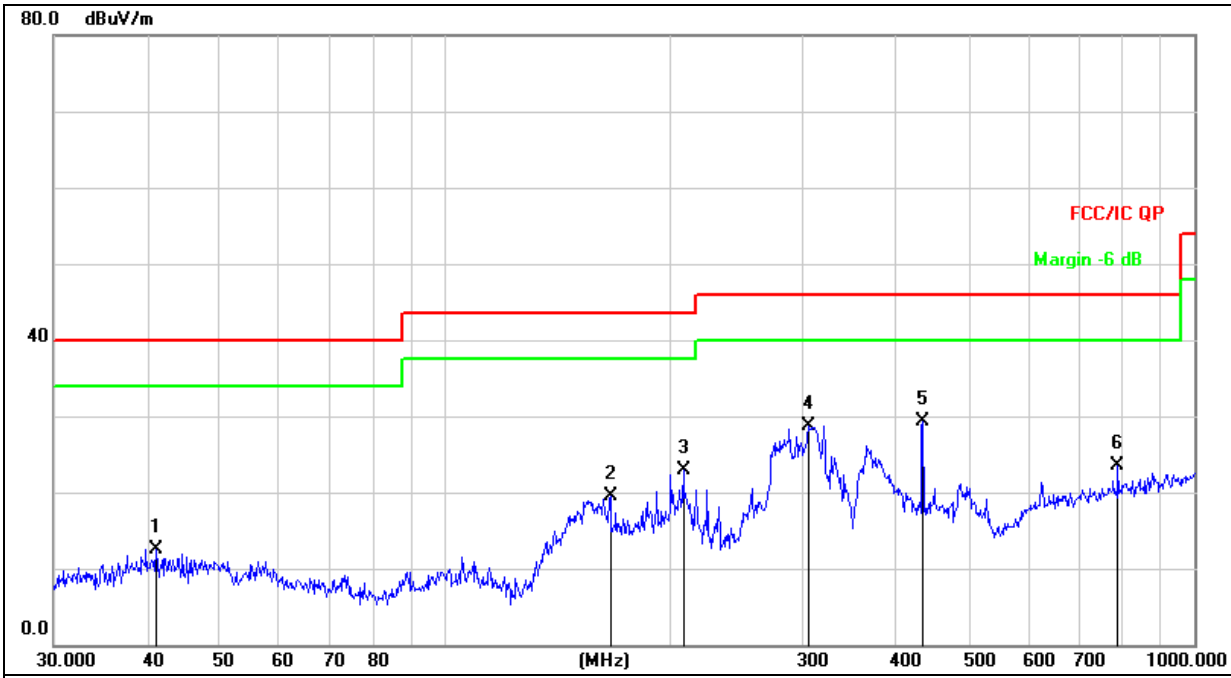
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1(the worst mode)	Polarization:	Vertical



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	30.6379	52.55	-16.53	36.02	40.00	-3.98	QP
2		77.8654	46.04	-19.38	26.66	40.00	-13.34	QP
3		192.4186	48.72	-16.28	32.44	43.50	-11.06	QP
4		304.6099	42.79	-13.08	29.71	46.00	-16.29	QP
5		434.0651	41.86	-10.17	31.69	46.00	-14.31	QP
6		625.0780	31.19	-6.59	24.60	46.00	-21.40	QP

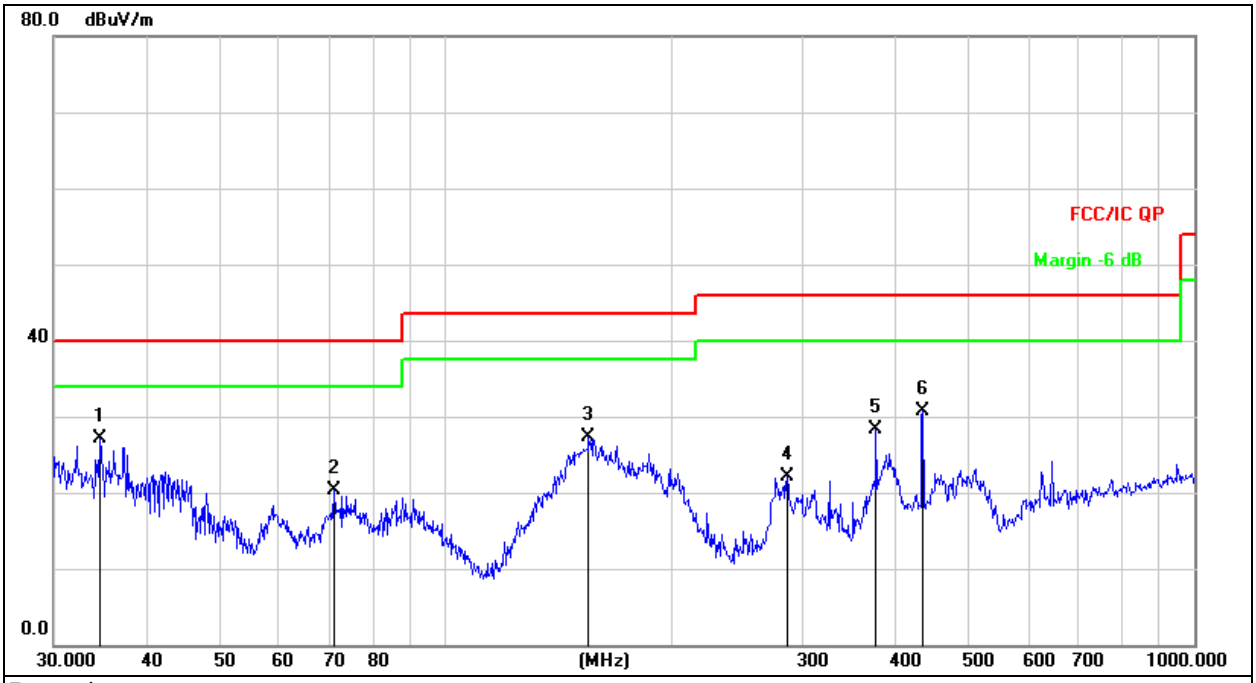
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4(the worst mode)	Polarization:	Horizontal



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		41.1320	27.20	-14.63	12.57	40.00	-27.43	QP
2		166.0680	37.65	-18.24	19.41	43.50	-24.09	QP
3		207.8501	38.31	-15.50	22.81	43.50	-20.69	QP
4		305.6800	41.75	-13.04	28.71	46.00	-17.29	QP
5	*	434.0651	39.55	-10.17	29.38	46.00	-16.62	QP
6		790.6188	28.01	-4.51	23.50	46.00	-22.50	QP

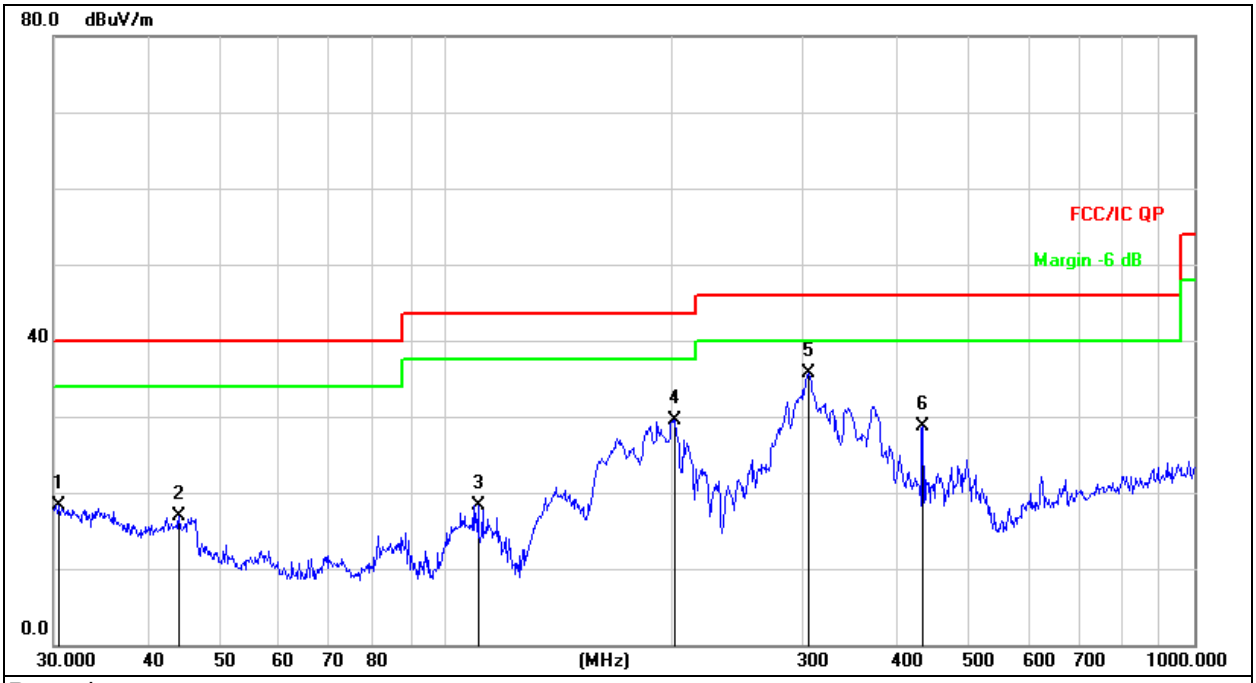
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4(the worst mode)	Polarization:	Vertical



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	34.6385	42.84	-15.75	27.09	40.00	-12.91	QP
2		71.0803	38.46	-18.19	20.27	40.00	-19.73	QP
3		155.3644	46.30	-19.03	27.27	43.50	-16.23	QP
4		285.9778	35.71	-13.53	22.18	46.00	-23.82	QP
5		375.9385	39.49	-11.15	28.34	46.00	-17.66	QP
6		434.0651	40.88	-10.17	30.71	46.00	-15.29	QP

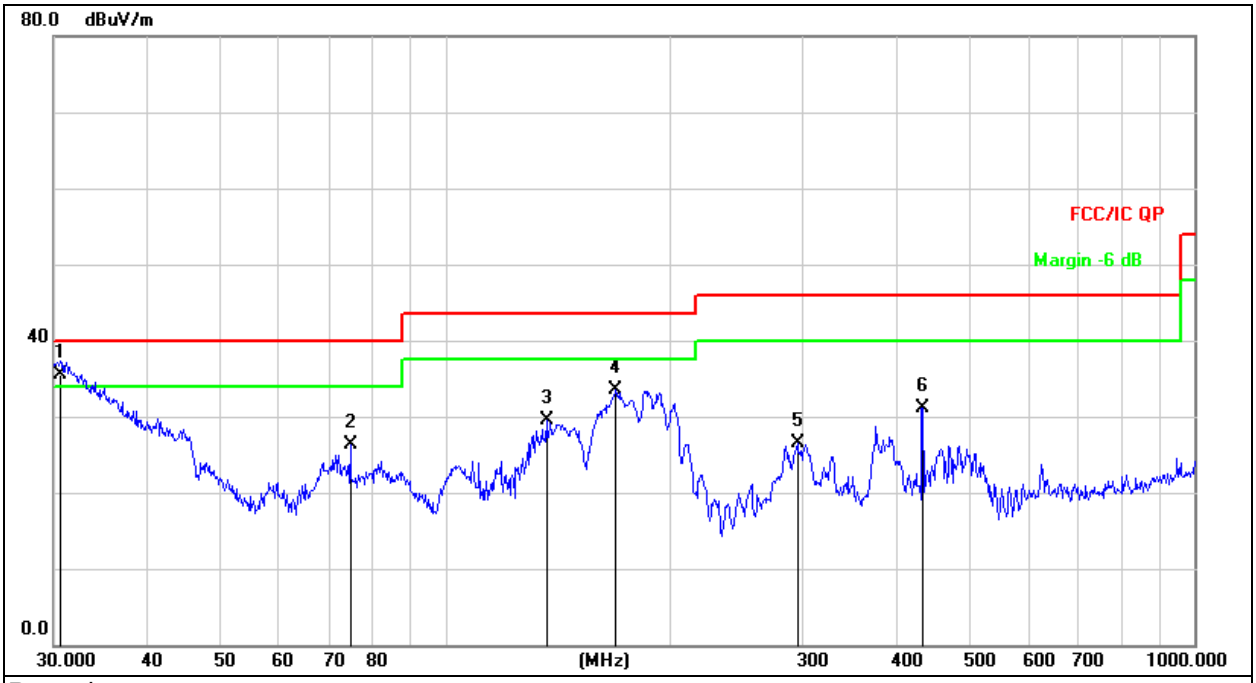
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 7(the worst mode)	Polarization:	Horizontal



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		30.5306	34.91	-16.55	18.36	40.00	-21.64	QP
2		44.1202	31.34	-14.38	16.96	40.00	-23.04	QP
3		110.5687	35.07	-16.67	18.40	43.50	-25.10	QP
4		202.8104	45.10	-15.64	29.46	43.50	-14.04	QP
5	*	305.6800	48.69	-13.04	35.65	46.00	-10.35	QP
6		434.0651	38.93	-10.17	28.76	46.00	-17.24	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kpa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 7(the worst mode)	Polarization:	Vertical



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

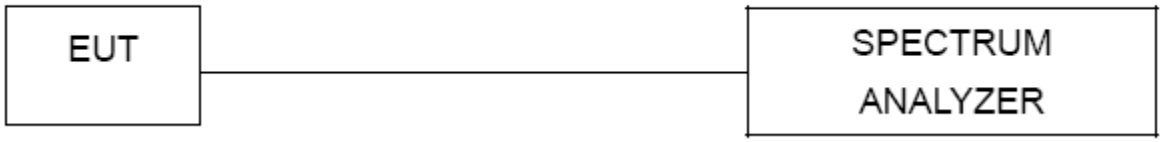
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	30.6379	52.10	-16.53	35.57	40.00	-4.43	QP
2		74.6569	45.11	-18.81	26.30	40.00	-13.70	QP
3		136.4598	47.98	-18.48	29.50	43.50	-14.00	QP
4		169.0054	51.58	-18.02	33.56	43.50	-9.94	QP
5		295.1469	39.93	-13.34	26.59	46.00	-19.41	QP
6		434.0651	41.25	-10.17	31.08	46.00	-14.92	QP

8. Bandwidth Test

8.1 Test Procedure

1. Set RBW = 1%~5% OBW.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

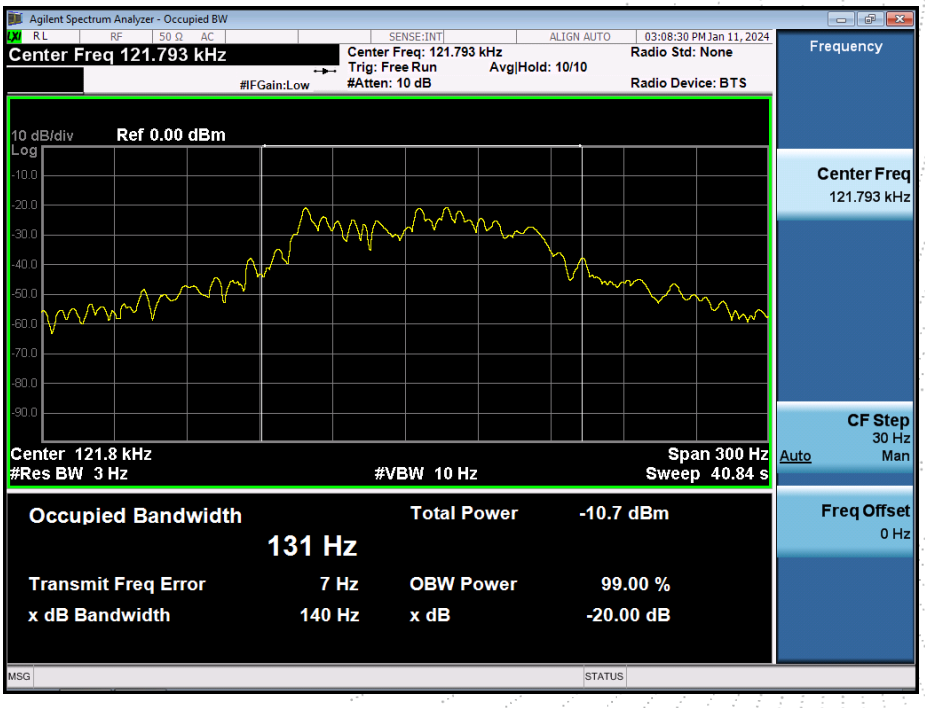
8.2 TEST SETUP



8.3 Test Result

Mode 1

Frequency (kHz)	20dB bandwidth (kHz)	Result
121.8	0.014	Pass



Mode 4

Frequency (kHz)	20dB bandwidth (kHz)	Result
118.1	0.084	Pass

Mode 7

Frequency (kHz)	20dB bandwidth (kHz)	Result
121.0	0.091	Pass

9. Antenna Requirements

For intentional device, according to FCC 47 CFR Section 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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 manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
The antenna used for this product is Inductive loop coil antenna.

10. EUT Photographs

EUT Photo 1

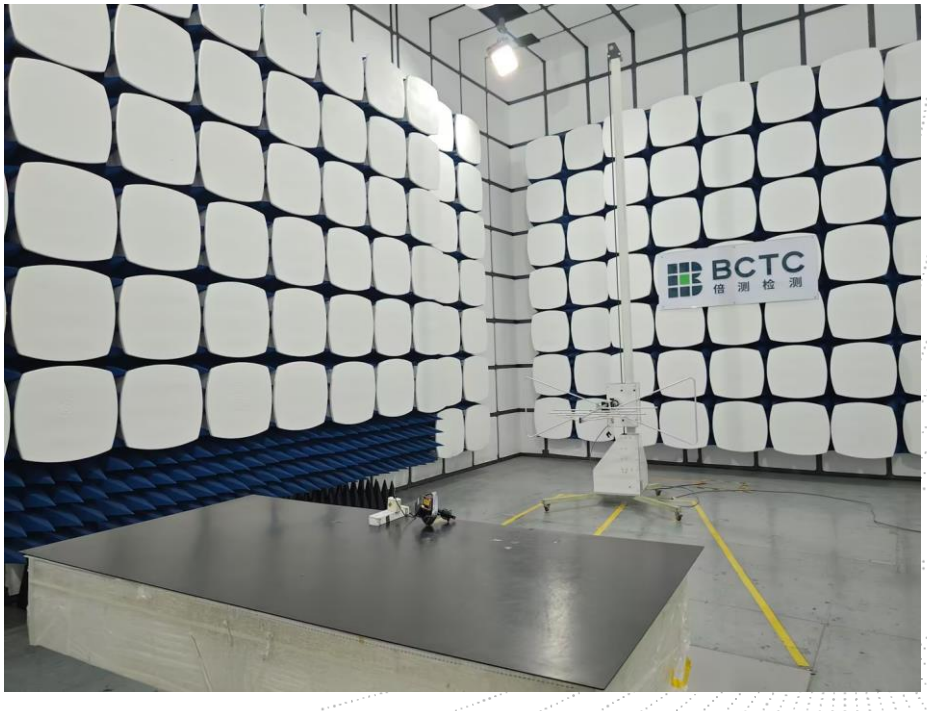
EUT Photo 2

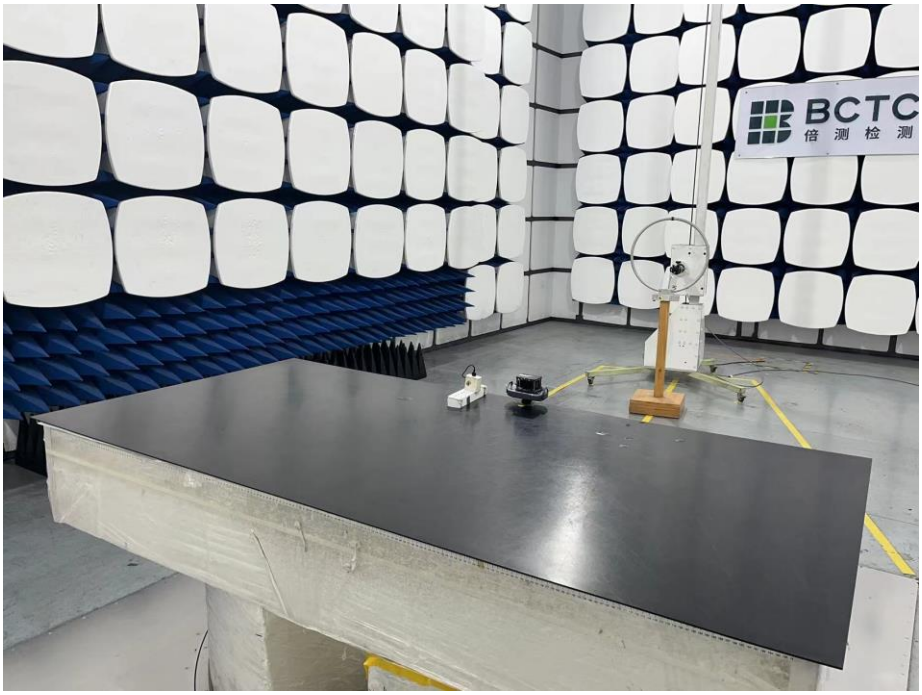
NOTE: Appendix-Photographs Of EUT Constructional Details

11. EUT Test Setup Photographs

Conducted Emissions Photo

Radiated Measurement Photos

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STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The quality system of our laboratory is in accordance with ISO/IEC17025.

8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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P.C.: 518103

FAX: 0755-33229357

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E-Mail: bctc@bctc-lab.com.cn

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