

# TEST REPORT

Report No.: **BCTC2508440684-1E**

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Applicant: **Ugreen Group Limited**

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Product Name: **10000mAh Magnetic Wireless Power Bank**

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Test Model: **PB761**

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Tested Date: **2025-08-06 to 2025-08-13**

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Issued Date: **2025-08-13**

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**Shenzhen BCTC Testing Co., Ltd.**



**FCC ID:2AQI5-PB761**

Product Name: 10000mAh Magnetic Wireless Power Bank

Trademark: **UGREEN**

Model/Type Reference: PB761

Prepared For: Ugreen Group Limited

Address: Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China

Manufacturer: Ugreen Group Limited

Address: Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, 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: 2025-08-06

Sample Tested Date: 2025-08-06 to 2025-08-13

Issue Date: 2025-08-13

Report No.: BCTC2508440684-1E

Test Standards: FCC Part15.209  
ANSI C63.10:2013

Test Results: PASS

Tested by:



Kelsey Tan/ 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.

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(Note: N/A Means Not Applicable)

## 1. Version

Report No.	Issue Date	Description	Approved
BCTC2508440684-1E	2025-08-13	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

Remark: Based on the following changes in the original test report (BCTC2406451588-1E),  
New battery manufacturers have been added, Radiated emissions, Conducted emissions tests were  
performed.

Old battery manufacturer: Amprius (wuxi) Co., Ltd.

New battery manufacturer: LIFAN TECHNOLOGY CO., LTD



### 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(30MHz-1GHz)	$U=4.3\text{dB}$
2	Conducted Emission (150kHz-30MHz)	$U=3.2\text{dB}$
3	humidity uncertainty	$U=5.3\%$
4	Temperature uncertainty	$U=0.59^\circ\text{C}$

## 4. Product Information And Test Setup

### 4.1 Product Information

Model/Type Reference: PB761

P/N code Differences: All the P/N code are the same circuit and RF module, except model names and appearance of the color, the test model is PB761.

Hardware Version: A1

Software Version: V1

Operation Frequency: 5W/7.5W:112kHz-148.5kHz  
15W:360kHz

Modulation: FSK

Antenna installation: loop coil antenna

Ratings: USB-C (IN) Input:5V==3A/9V==3A/12V==2.5A/15V==2A  
USB-C (OUT) Output:5V==2.4A/5V==3A/9V==3A/12V==2.5A/15V==2A  
Wireless Charging Output: 15W Max  
Total Cell Capacity: 10000mAh  
Battery Capacity: 5000mAh (Two Cell in Series)  
Polymer Lithium-ion Battery Rated Energy: 36Wh 7.2V  
Rated Capacity: 6000mAh (TYP 5V==2.4A)

#### Remark:

- P/N code in the below table, for marketing purpose, will be marked on the marking plate.

35925	35925P	35925X	35925A	35925B	35925C	35925U	35925JP	35925ZD
45763	45763P	45763X	45763A	45763B	45763C	45763U	45763JP	45763ZD

### 4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	10000mAh Magnetic Wireless Power Bank	<b>UGREEN</b>	PB761	Ref. the Section 4.1	EUT
E-2	Adapter	UGREEN	CD226	N/A	Auxiliary
E-3	Dummy load	N/A	DL01	N/A	Auxiliary

#### Notes:

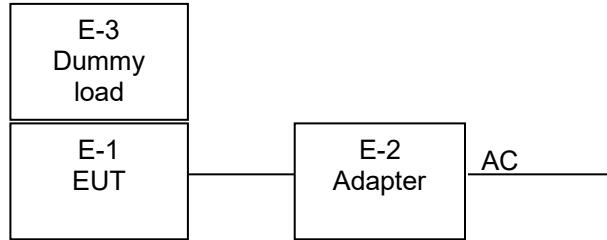
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

#### 4.3 Test Setup Configuration

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

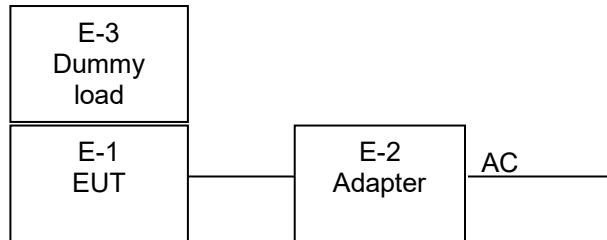
Conducted Emission:

Test Mode 1, 2

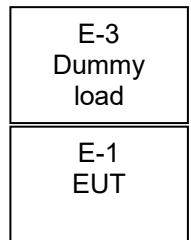


Radiated Spurious Emission:

Test Mode 1, 2



Test Mode 3,4,5



#### 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.

AC Mode	Mode 1	USB-C IN 1:(5V==3A)+5W
	Mode 2	USB-C IN 1:(9V==3A)+7.5W
DC Mode	Mode 3	5W
	Mode 4	7.5W
	Mode 5	15W

Note: All test mode were tested and passed, only shows 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

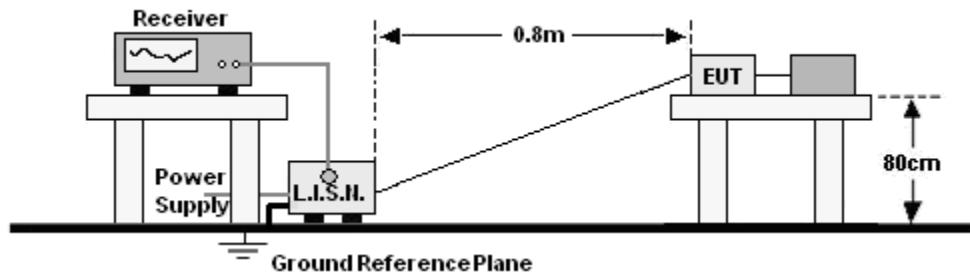
Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 08, 2025	May 07, 2026
LISN	R&S	ENV216	101375	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 14, 2025	May 13, 2026

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419	\	May 14, 2025	May 13, 2026
Power Sensor (AV)	Keysight	E9300A	\	May 14, 2025	May 13, 2026
Signal Analyzer 20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 14, 2025	May 13, 2026
Spectrum Analyzer 9kHz-40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026

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 08, 2025	May 07, 2026
Receiver	R&S	ESRP	101154	May 14, 2025	May 13, 2026
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 14, 2025	May 13, 2026
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 24, 2025	May 23, 2026
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 24, 2025	May 23, 2026
Amplifier	SKET	LAPA_01G1 8G-45dB	SK202104090 1	May 14, 2025	May 13, 2026
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 24, 2025	May 23, 2026
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 24, 2025	May 23, 2026
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 24, 2025	May 23, 2026
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026
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:

- \*Decreasing linearly with logarithm of frequency.
- 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

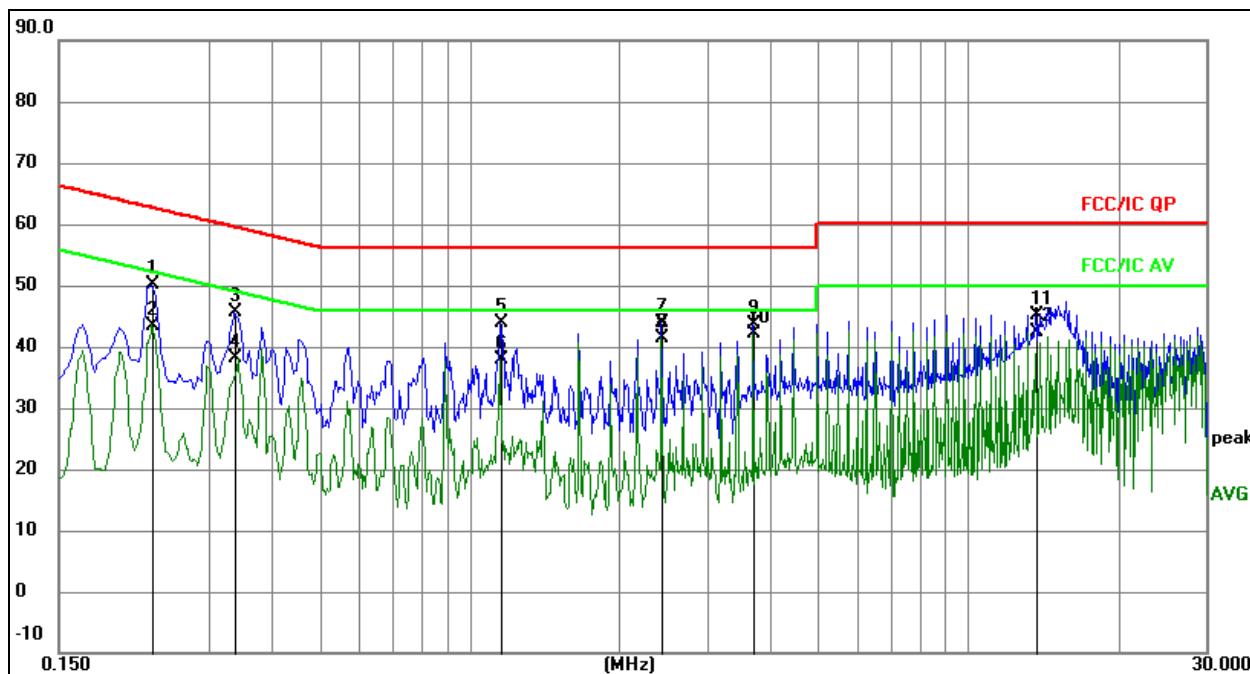
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N.).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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.
- 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:	24.1°C	Relative Humidity:	52%RH
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 2(Worst)	Test Voltage:	AC 120V/60Hz

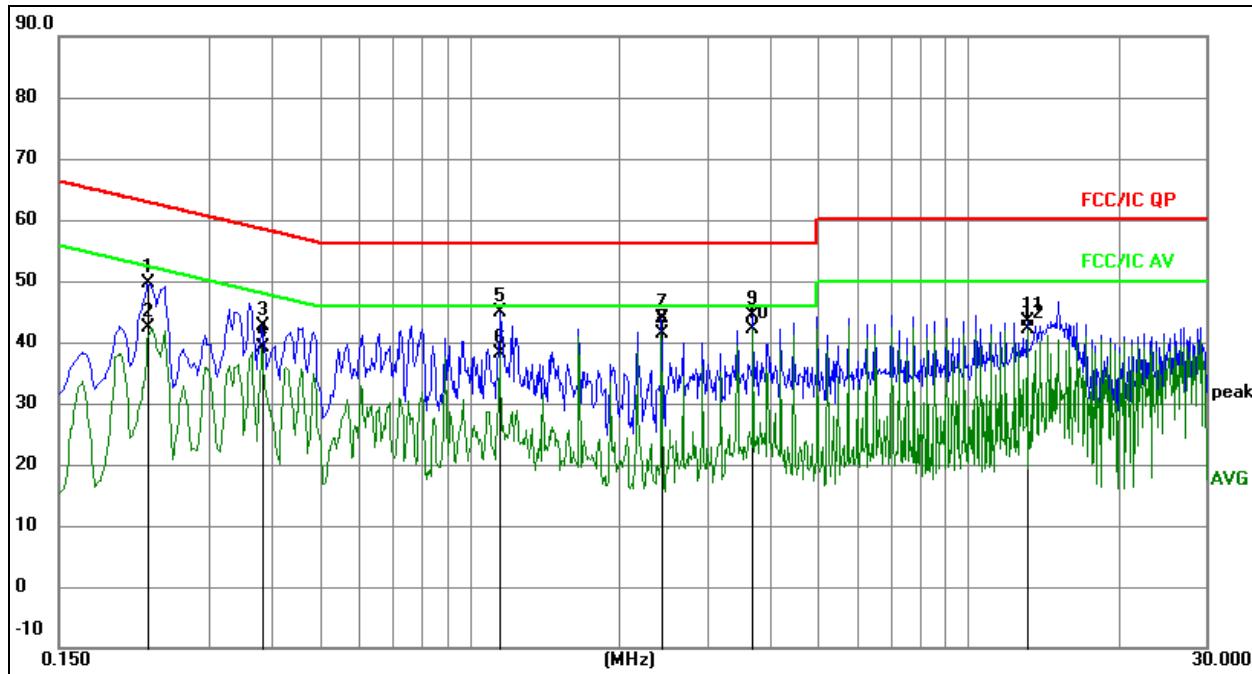


### Remark:

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	Correct	Measure-	Limit	Over	Detector
			Level	Factor	ment			
1		0.2310	30.11	20.04	50.15	62.41	-12.26	QP
2		0.2310	23.46	20.04	43.50	52.41	-8.91	AVG
3		0.3390	25.58	20.05	45.63	59.23	-13.60	QP
4		0.3390	18.01	20.05	38.06	49.23	-11.17	AVG
5		1.1535	23.65	20.26	43.91	56.00	-12.09	QP
6		1.1535	17.60	20.26	37.86	46.00	-8.14	AVG
7		2.4270	23.50	20.27	43.77	56.00	-12.23	QP
8		2.4270	21.11	20.27	41.38	46.00	-4.62	AVG
9		3.7095	22.99	20.55	43.54	56.00	-12.46	QP
10	*	3.7095	21.65	20.55	42.20	46.00	-3.80	AVG
11		13.6815	23.01	22.18	45.19	60.00	-14.81	QP
12		13.6815	20.31	22.18	42.49	50.00	-7.51	AVG

Temperature:	24.1°C	Relative Humidity:	52%RH
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 2(Worst)	Test Voltage:	AC 120V/60Hz


**Remark:**

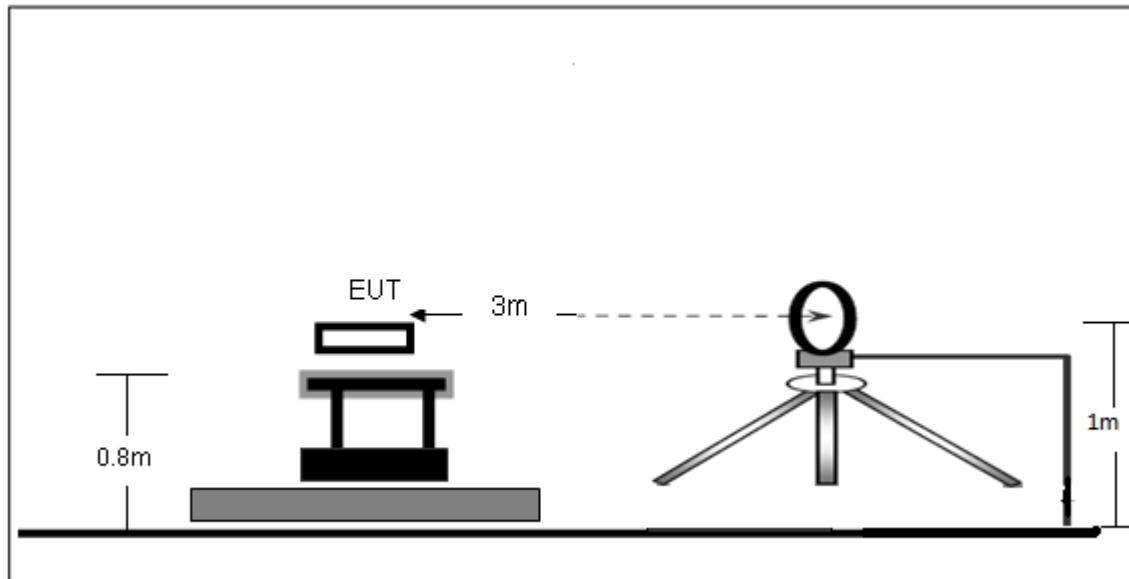
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector
			Level	Factor	ment			
		MHz		dB	dBuV			
1		0.2256	29.47	20.04	49.51	62.61	-13.10	QP
2		0.2256	22.45	20.04	42.49	52.61	-10.12	AVG
3		0.3832	22.64	20.05	42.69	58.21	-15.52	QP
4		0.3832	19.18	20.05	39.23	48.21	-8.98	AVG
5		1.1473	24.62	20.26	44.88	56.00	-11.12	QP
6		1.1473	17.94	20.26	38.20	46.00	-7.80	AVG
7		2.4218	23.51	20.27	43.78	56.00	-12.22	QP
8		2.4218	21.16	20.27	41.43	46.00	-4.57	AVG
9		3.7001	23.72	20.55	44.27	56.00	-11.73	QP
10	*	3.7001	21.53	20.55	42.08	46.00	-3.92	AVG
11		13.1269	21.42	22.06	43.48	60.00	-16.52	QP
12		13.1269	20.15	22.06	42.21	50.00	-7.79	AVG

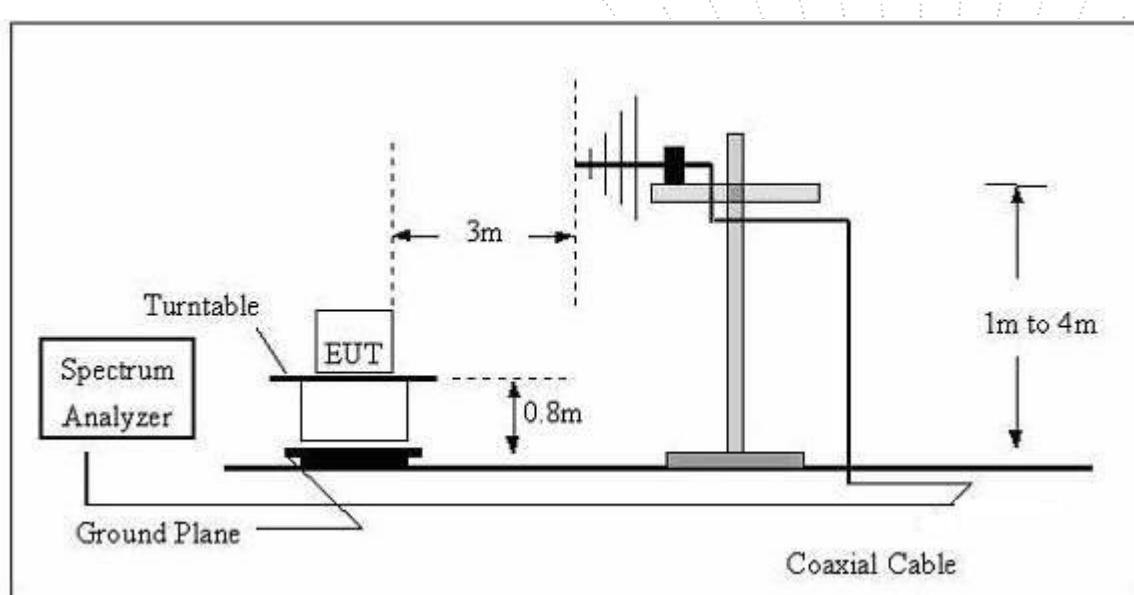
## 7. Radiated Emissions

### 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				
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
Test Limit	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:

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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:

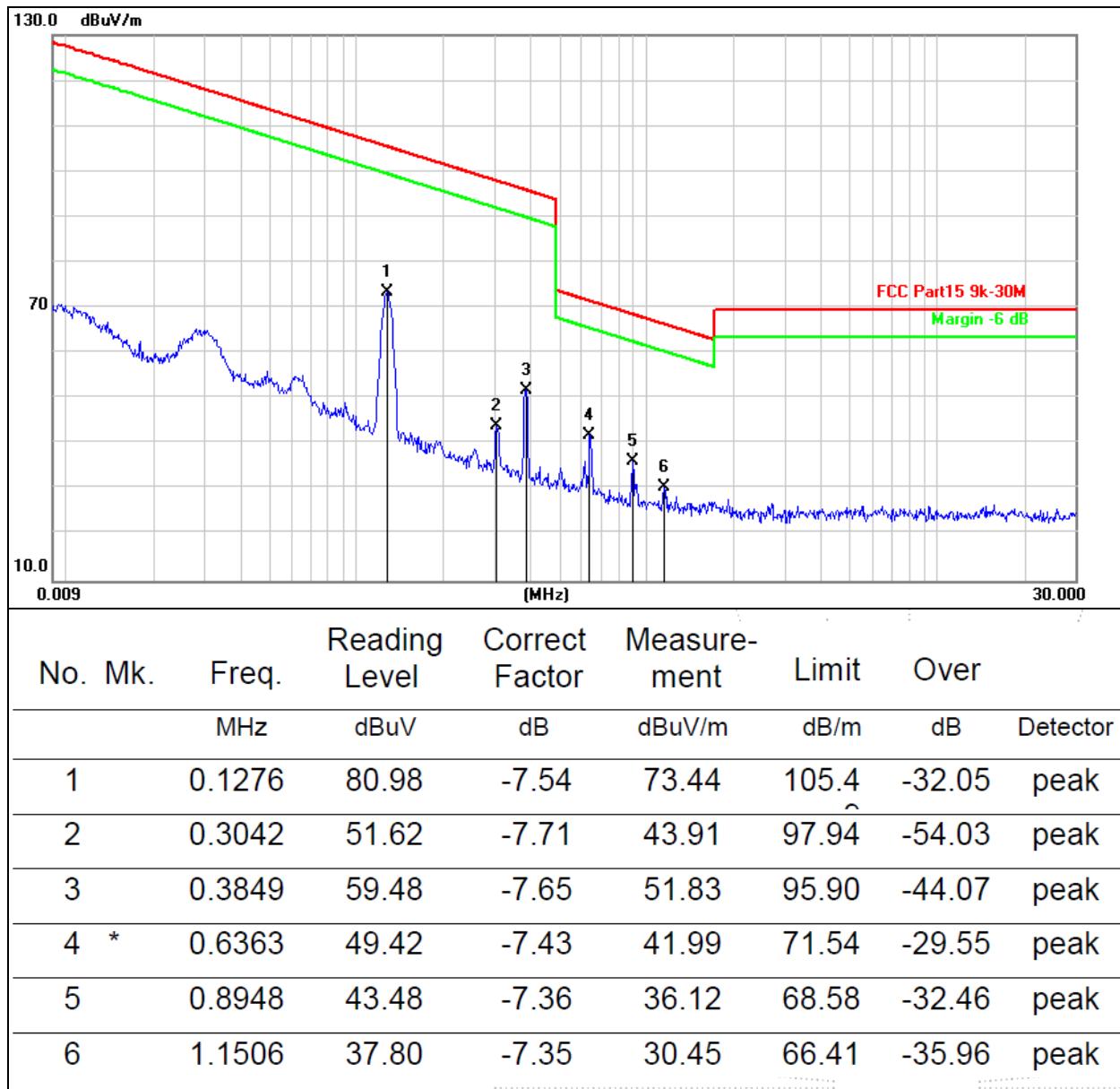
- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change from 0.8 metre to 1.5 metre( Above 18GHz the distance is 1 meter and table is 1.5 metre).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel.

Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

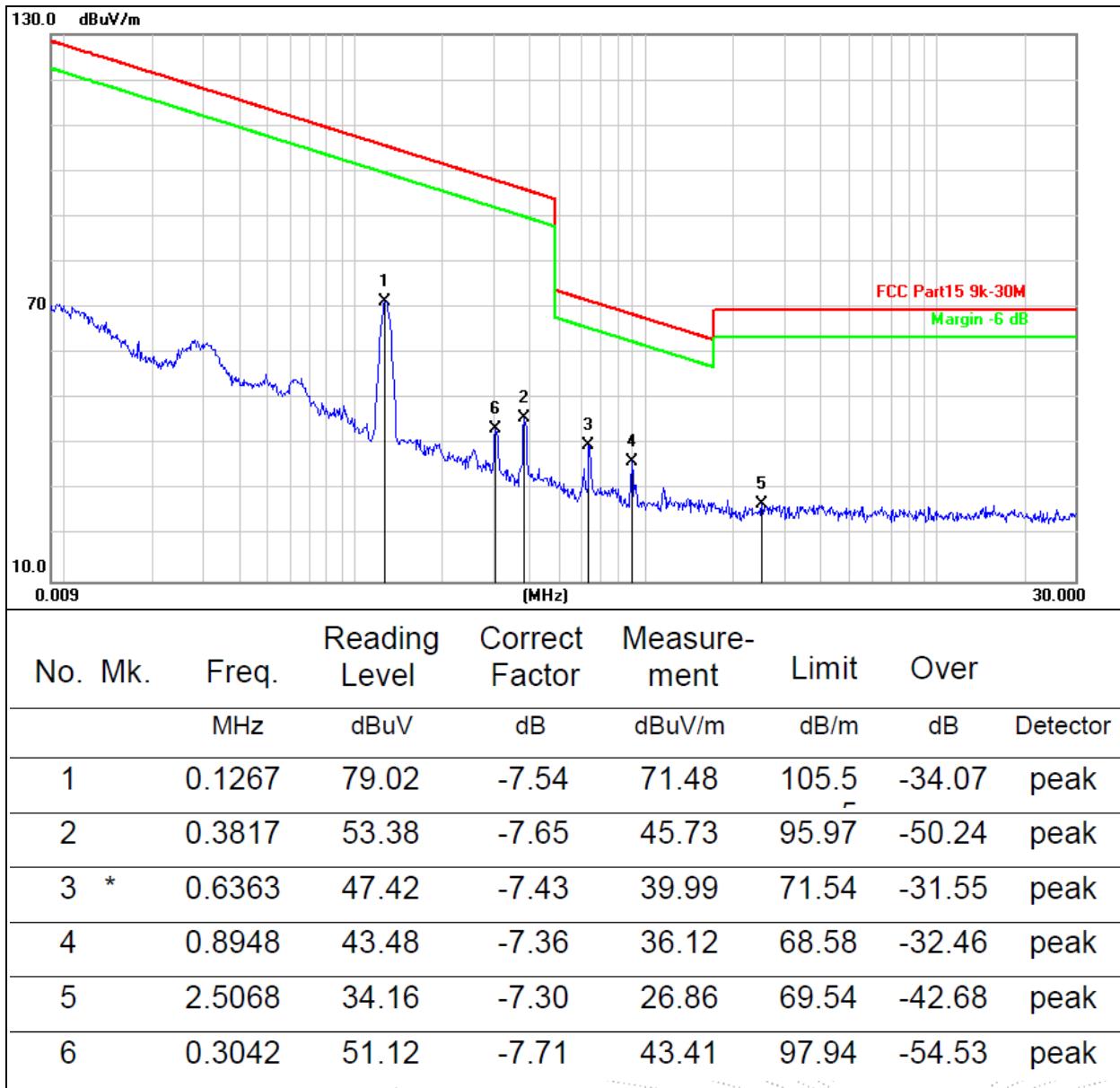
## 7.4 Test Result

9kHz-30MHz

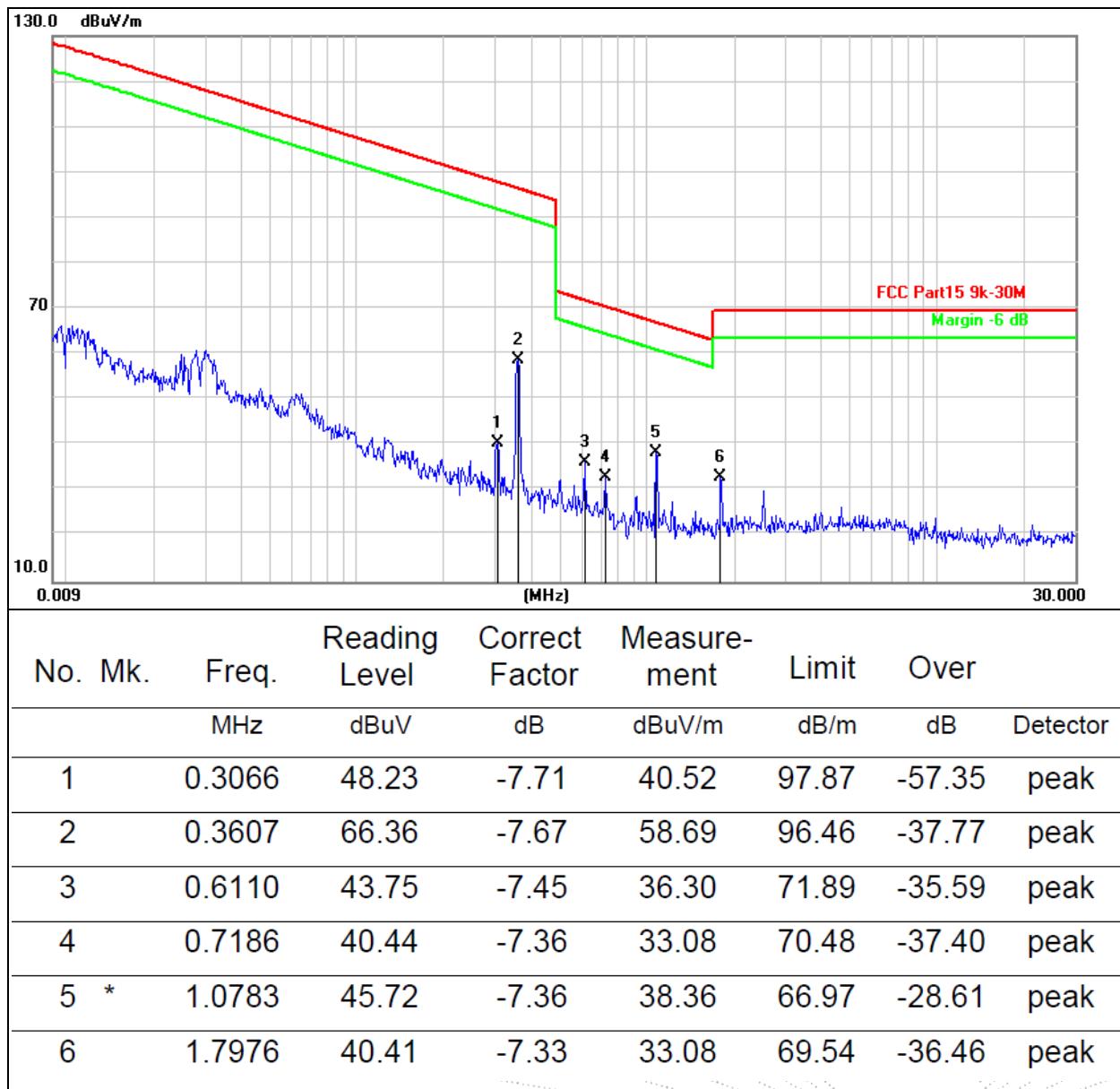
Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 7.2V
Test Mode:	Mode 3(112-148.5kHz)	Polarization:	Coaxial(Worst)



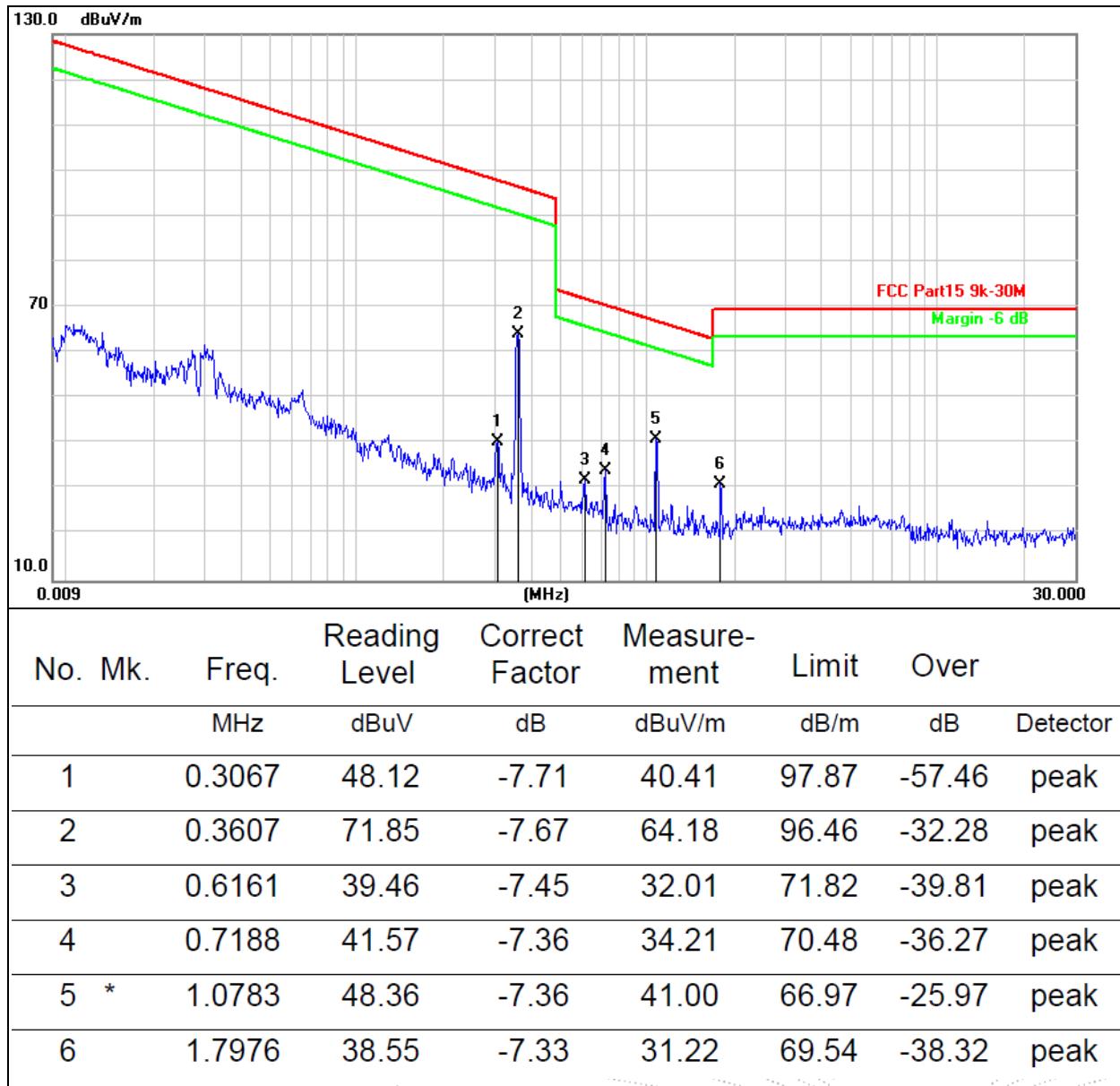
Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 7.2V
Test Mode:	Mode 3(112-148.5kHz)	Polarization:	Coplanar(Worst)



Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 7.2V
Test Mode:	Mode 5(360kHz)	Polarization:	Coaxial(Worst)

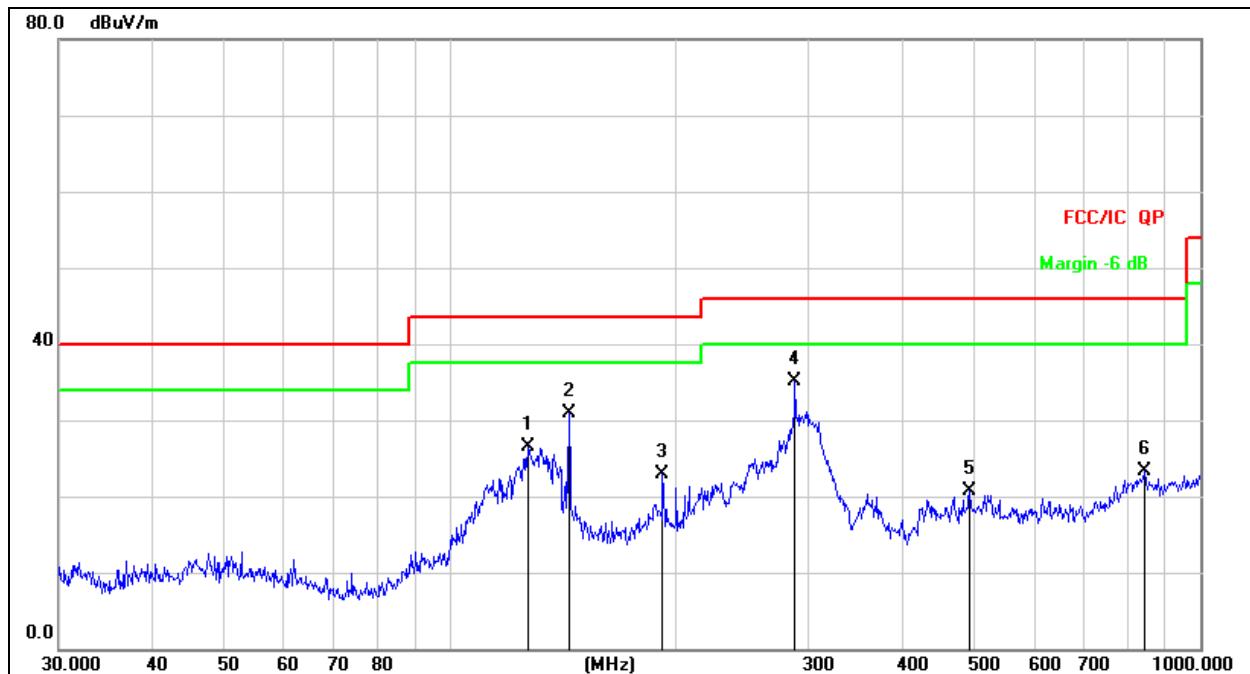


Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage:	DC 7.2V
Test Mode:	Mode 5(360kHz)	Polarization:	Coplanar(Worst)



Between 30MHz – 1GHz

Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 1(Worst)	Test Voltage:	AC 120V/60Hz

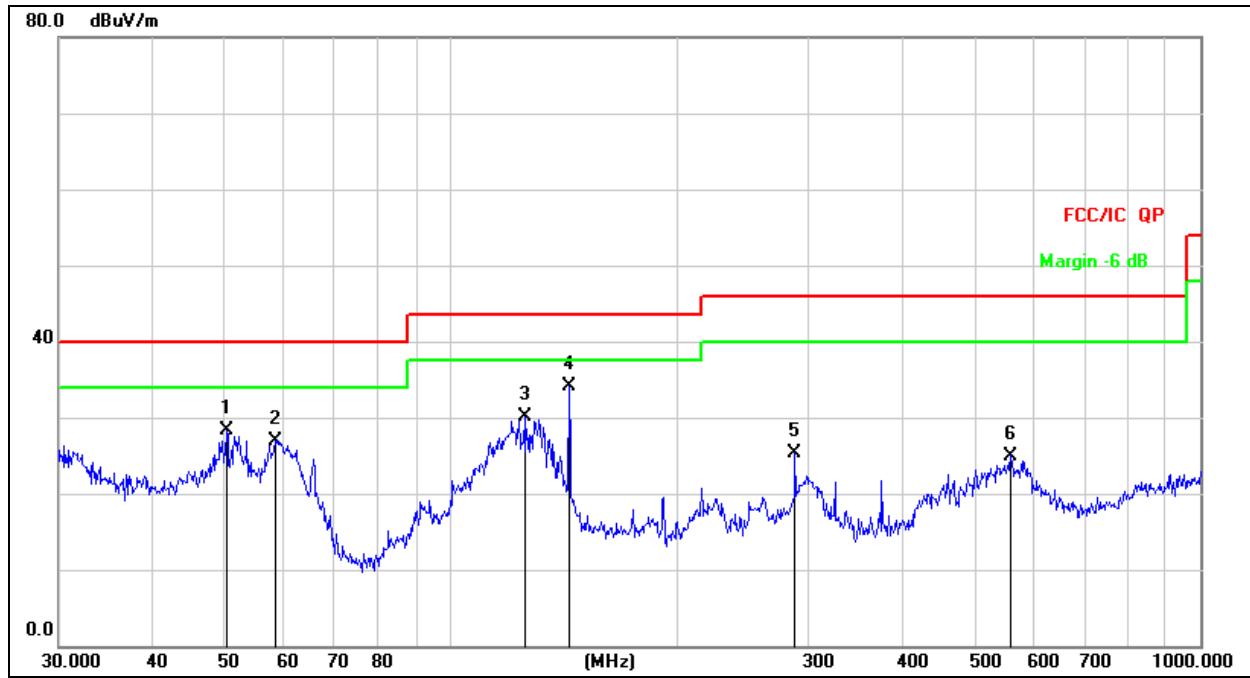


Remark:

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

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dB/m	dB
1		126.7723	42.84	-16.28	26.56	43.50	-16.94 QP
2		143.8295	48.12	-17.25	30.87	43.50	-12.63 QP
3		191.7450	37.93	-14.93	23.00	43.50	-20.50 QP
4	*	287.9904	47.32	-12.29	35.03	46.00	-10.97 QP
5		492.4685	28.32	-7.55	20.77	46.00	-25.23 QP
6		842.1296	25.26	-2.05	23.21	46.00	-22.79 QP

Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1(Worst)	Test Voltage:	AC 120V/60Hz


**Remark:**

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

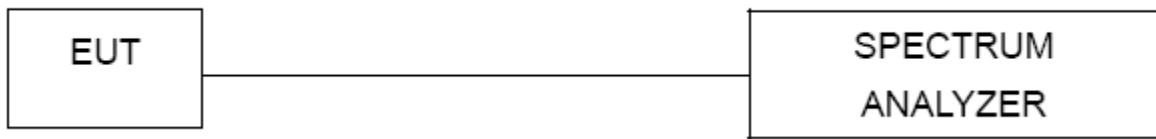
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB/m	dB	
1	50.2324	41.27	-12.94	28.33	40.00	-11.67	QP	
2	58.4074	41.41	-14.41	27.00	40.00	-13.00	QP	
3	125.4457	46.23	-16.21	30.02	43.50	-13.48	QP	
4 *	143.8295	51.41	-17.25	34.16	43.50	-9.34	QP	
5	287.9904	37.58	-12.29	25.29	46.00	-20.71	QP	
6	558.7302	31.23	-6.23	25.00	46.00	-21.00	QP	

## 8. Bandwidth Test

### 8.1 Test Procedure

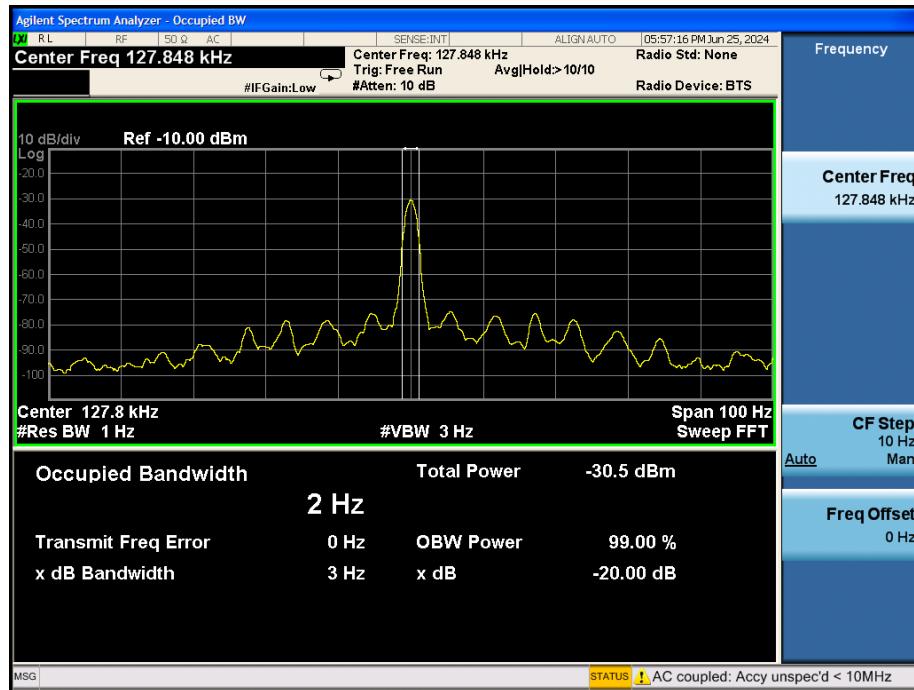
1. Set RBW = 1%~5% OBW.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost 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

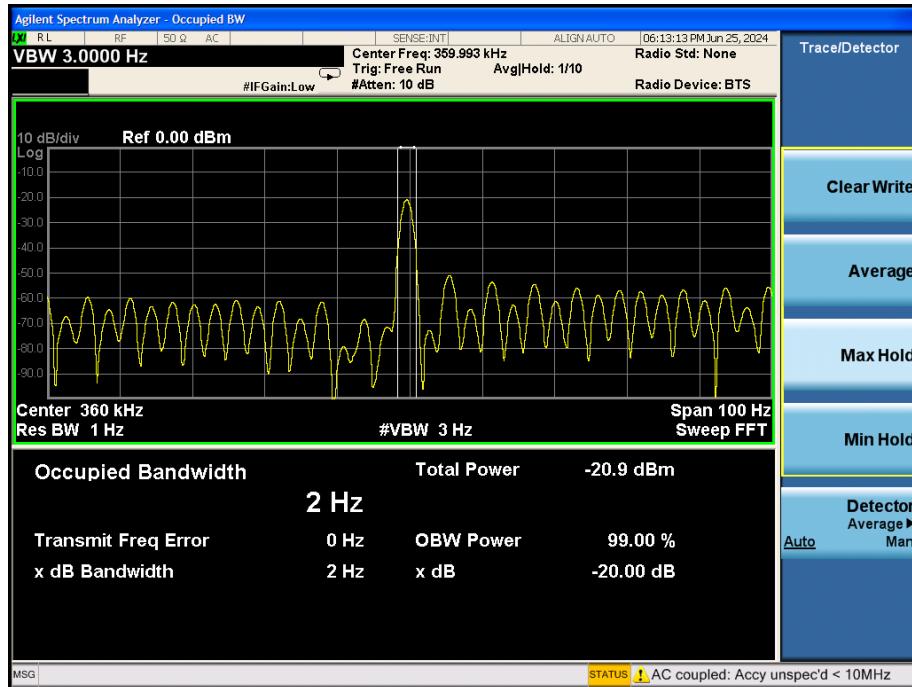


### 8.3 Test Result

Frequency (kHz)	20dB bandwidth (kHz)	Result
127.8	0.002	Pass



Frequency (kHz)	20dB bandwidth (kHz)	Result
360	0.002	Pass



Note: The measured signal is Cw-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 1Hz and VBW is set to 3Hz to perform the occupied bandwidth test.

## 9. Antenna Requirements

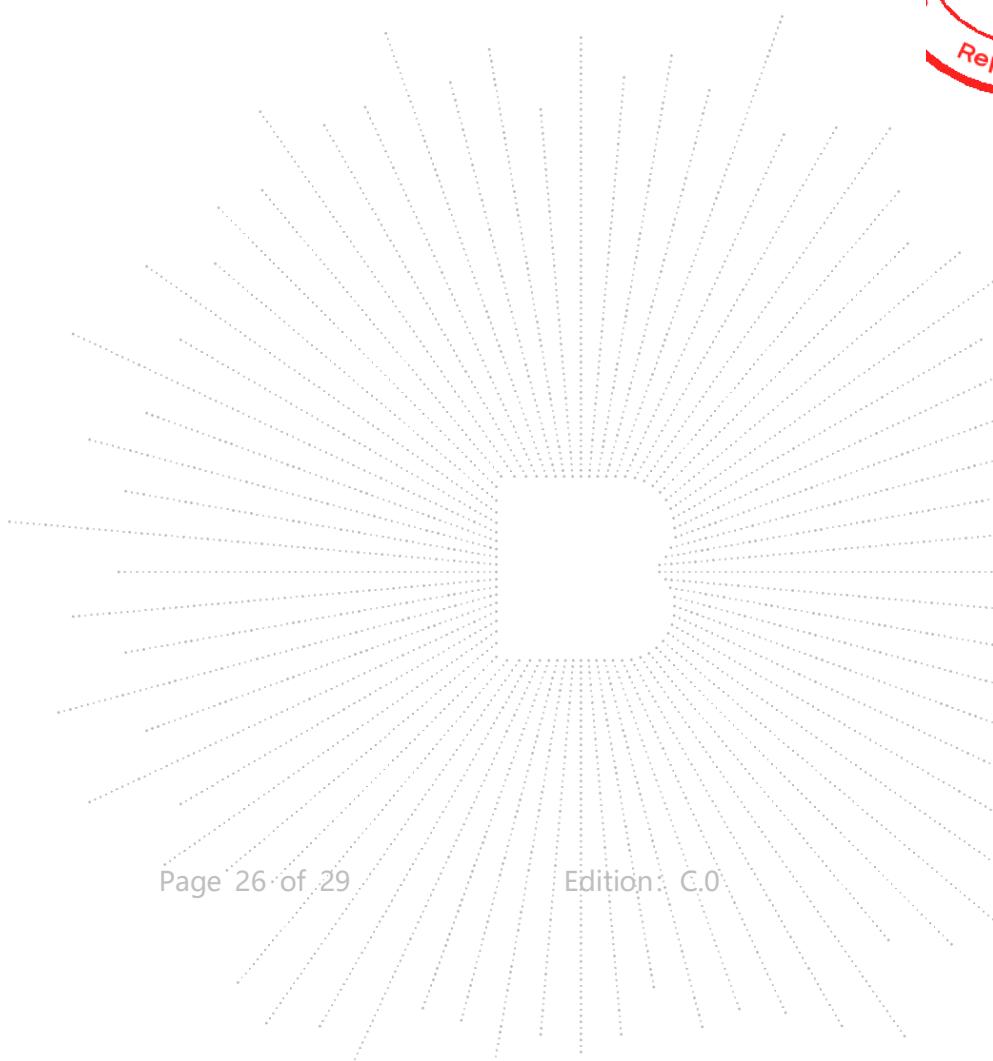
### 9.1 Limit

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.

### 9.2 Test Result

The antenna used for this product is loop coil antenna.

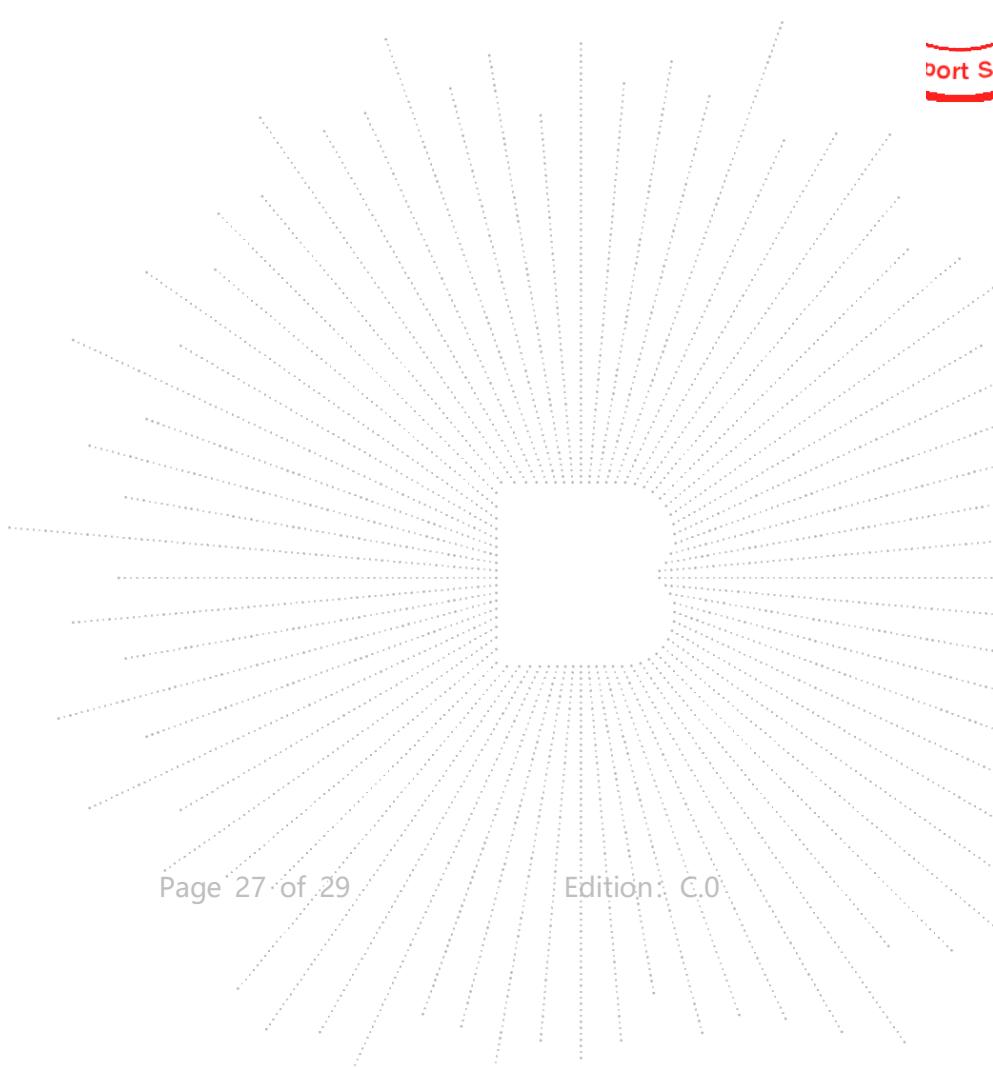
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## 10. EUT Photographs

NOTE: Appendix-Photographs Of EUT Constructional Details

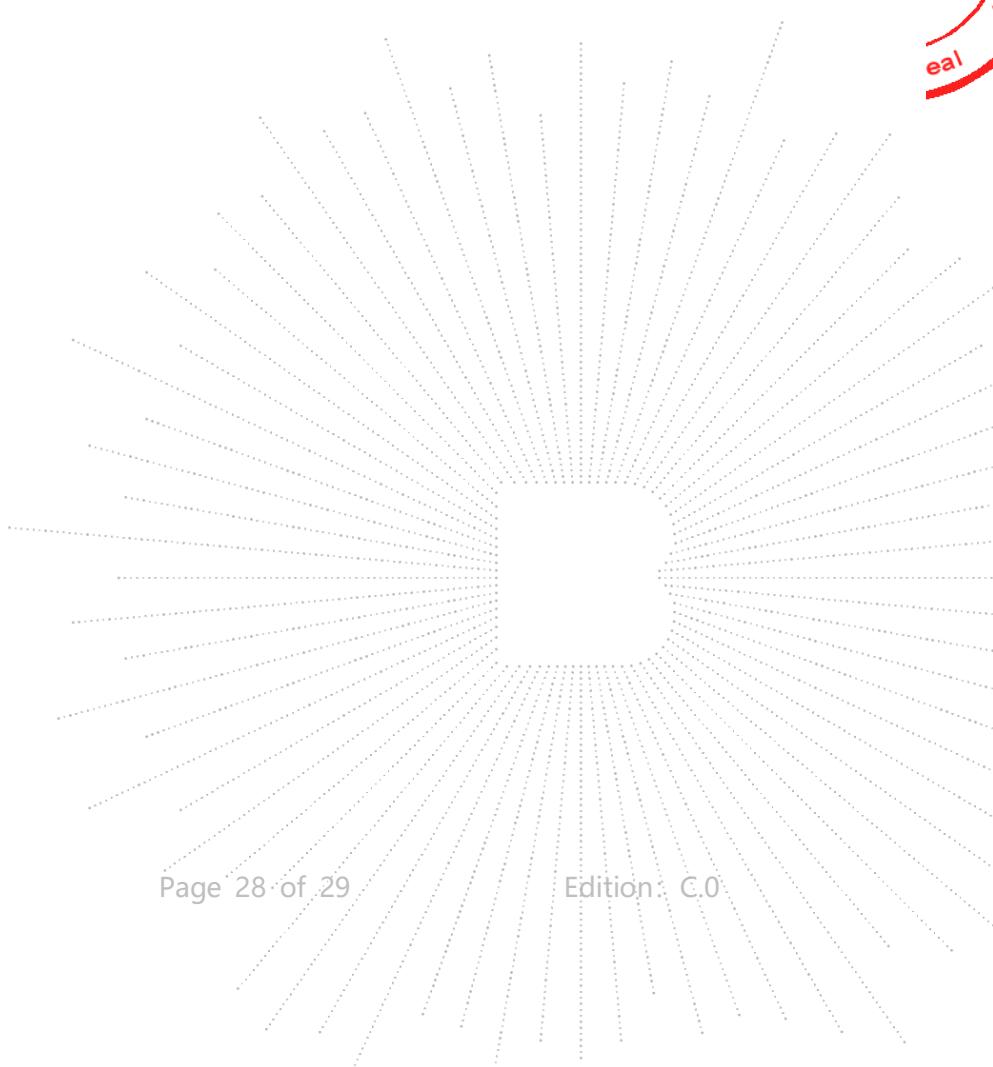
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## 11. EUT Test Setup Photographs

NOTE: Appendix-Test 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.

**Address:**

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