

## **TEST REPORT**

Report No.:	BCTC2412660298-1E
Applicant:	Shenzhen Loowoko Technology Limited
Product Name:	Magnetic Wireless Power Bank
Test Model:	L-WP-10L6, L-WP-05B5
Tested Date:	2024-12-26 to 2025-01-09
Issued Date:	2025-01-09
She	enzhen BCTC Testing Co., Ltd.
No.: BCTC/RF-EMC-005	Page 1 of 39 Edition: B.2



### FCC ID: 2BG9U-B5L6

Product Name:	Magnetic Wireless Power Bank
Trademark:	Loowoko
Model/Type Reference:	L-WP-10L6, L-WP-05B5 L-WP-10L4, L-WP-10M7, L-WP-10M4, L-WP-05B3
Prepared For:	Shenzhen Loowoko Technology Limited
Address:	4F,5F,Building E,NO.2 North District,Shangxue Science and Technology City,Xinxue Community,Bantian Street, Longgang District,Shenzhen,China
Manufacturer:	Shenzhen Loowoko Technology Limited
Address:	4F,5F,Building E,NO.2 North District,Shangxue Science and Technology City,Xinxue 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:	2024-12-26
Sample Tested Date:	2024-12-26 to 2025-01-09
Issue Date:	2025-01-09
Report No.:	BCTC2412660298-1E
Test Standards:	FCC Part15.209 ANSI C63.10-2013
Test Results:	PASS

Tested by: Shanshan . Zhang

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.

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(Note: N/A Means Not Applicable)

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#### 1. Version

Report No.	Issue Date	Description	Approved
BCTC2412660298-1E	2025-01-09	Original	Valid





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#### 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

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#### 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=4.3dB
2	Conducted Emission (150kHz-30MHz)	U=3.2dB
3	humidity uncertainty	U=5.3%
4	Temperature uncertainty	U=0.59°C

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#### 4. Product Information And Test Setup

#### 4.1 Product Information

Model/Type Reference:	L-WP-10L6, L-WP-05B5 L-WP-10L4, L-WP-10M7, L-WP-10M4, L-WP-05B3
Model Differences:	All the model are the same circuit and RF module, except model names, appearance color, bracket and battery specification.
Hardware Version:	N/A
Software Version:	N/A
Modulation:	ASK
Operation Frequency:	115kHz-205kHz, 360kHz
Antenna installation:	loop coil antenna
Ratings:	USB-C Input: DC 5V/3A, DC 9V/2.22A USB-C Output: DC 5V/2A, DC 9V/2.22A Wireless output: 15W Max Total Output: DC 5V/3A Battery: DC 3.85V

#### 4.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Magnetic Wireless Power Bank	Loowoko	L-WP-10L6, L-WP-05B5	N/A	EUT
E-2	Adapter	UGREEN	CD289	N/A	Auxiliary
E-3	Wireless Load			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.

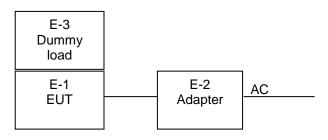


#### 4.3 Test Setup Configuration

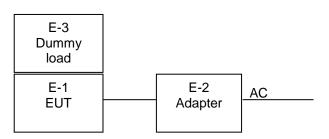
See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

#### Conducted Emission:

Test Mode 1



Radiated Spurious Emission: Test Mode 1



Test Mode 2, 3, 4

E-3 Dummy load	
E-1 EUT	

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#### 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     Charging+Full Load(5W, 115-205kHz)		
	Mode 2	Full Load(15W, 360kHz)	
DC Mode	Mode 3	Half Load(10W, 115-205kHz)	
	Mode 4	Null Load	

Note: All test mode were tested and passed, only shows the worst case mode which were recorded in this report.



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#### 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. I							
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025		
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025		
Software	Frad	EZ-EMC	EMC-CON 3A1	١	١		
Attenuator	١	10dB DC-6GHz	1650	May 16, 2024	May 15, 2025		

RF Conducted Test						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Power Meter	Keysight	E4419	١	May 16, 2024	May 15, 2025	
Power Sensor (AV)	Keysight	E9300A		May 16, 2024	May 15, 2025	
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025	
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025	



	Radia	ated Emissions	Test (966 Cham	ber01)		
Equipment	Equipment Manufacturer		Serial#	Last Cal.	Next Cal.	
966 chamber	966 chamber ChengYu		966	May 15, 2023	May 14, 2026	
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025	
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025	
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025	
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 21, 2024	May 20, 2025	
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025	
Amplifier	SKET	LAPA_01G1 8G-45dB	SK202104090 1	May 16, 2024	May 15, 2025	
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025	
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 16, 2024	May 15, 2025	
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025	
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025	
Software	Frad	EZ-EMC	FA-03A2 RE	\	١	

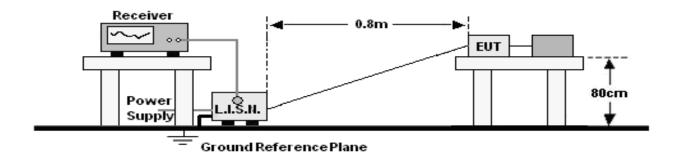
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#### 6. Conducted Emissions

#### 6.1 Block Diagram Of Test Setup



#### 6.2 Limit

	Limit (dBuV)				
Frequency (MHz)	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.

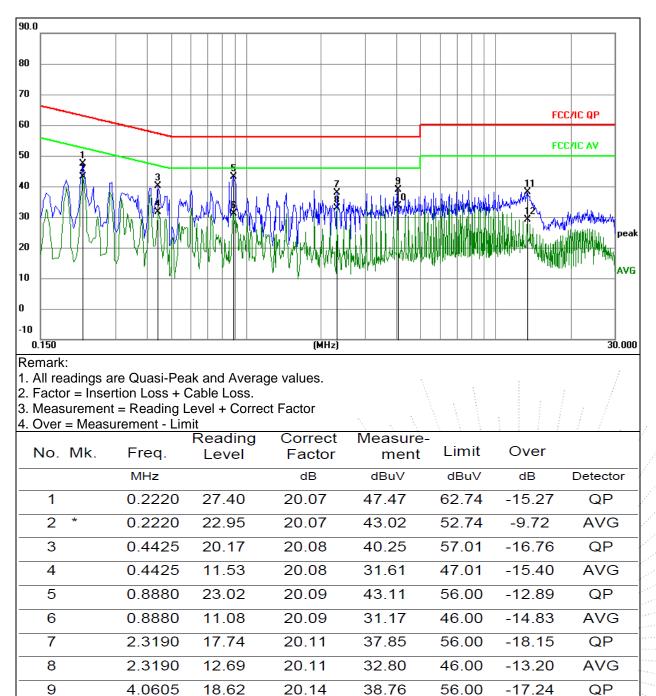
#### 6.4 EUT operating Conditions

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

L-WP-10L6							
Temperature:	<b>24.1</b> ℃	Relative Humidity:	56%RH				
Pressure:	101KPa	Phase :	L				
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz				



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13.3395

13.3395

13.50

17.95

8.80

10

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33.64

38.21

29.06

46.00

60.00

50.00

20.14

20.26

20.26

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AVG

QP

AVG

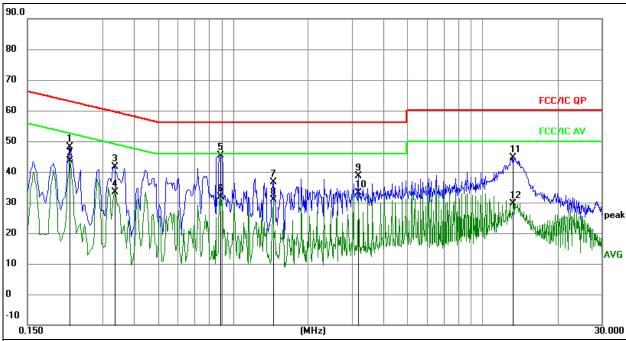
-12.36

-21.79

-20.94



Temperature:	<b>24.1</b> ℃	Relative Humidity:	56%RH
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 1	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

4. Ove	r = Meas	urement - Li	mit					
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2220	28.02	20.07	48.09	62.74	-14.65	QP
2	*	0.2220	23.48	20.07	43.55	52.74	-9.19	AVG
3		0.3345	21.66	20.07	41.73	59.34	-17.61	QP
4		0.3345	13.41	20.07	33.48	49.34	-15.86	AVG
5		0.8924	25.19	20.09	45.28	56.00	-10.72	QP
6		0.8924	11.80	20.09	31.89	46.00	-14.11	AVG
7		1.4504	16.61	20.09	36.70	56.00	-19.30	QP
8		1.4504	10.68	20.09	30.77	46.00	-15.23	AVG
9		3.1875	18.47	20.12	38.59	56.00	-17.41	QP
10		3.1875	13.05	20.12	33.17	46.00	-12.83	AVG
11		13.2360	24.47	20.26	44.73	60.00	-15.27	QP
12		13.2360	9.38	20.26	29.64	50.00	-20.36	AVG

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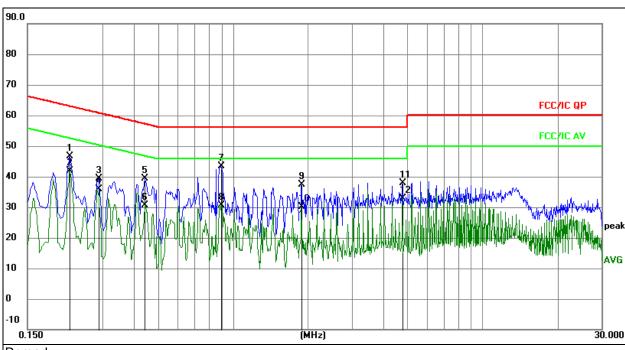
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L-WP-05B5

Temperature:	<b>24.1</b> ℃	Relative Humidity:	56%RH				
Pressure:	101KPa	Phase :	L				
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz				



Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.

3.	Measu	rement =	Reading	Level	+ Correct Factor
	~				

4. Over $=$ inteast	<u>liement - Li</u>						
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.2220	26.61	20.07	46.68	62.74	-16.06	QP
2 *	0.2220	21.70	20.07	41.77	52.74	-10.97	AVG
3	0.2895	19.32	20.07	39.39	60.54	-21.15	QP
4	0.2895	15.78	20.07	35.85	50.54	-14.69	AVG
5	0.4425	19.32	20.08	39.40	57.01	-17.61	QP
6	0.4425	10.60	20.08	30.68	47.01	-16.33	AVG
7	0.8970	23.31	20.09	43.40	56.00	-12.60	QP
8	0.8970	10.59	20.09	30.68	46.00	-15.32	AVG
9	1.8870	17.29	20.10	37.39	56.00	-18.61	QP
10	1.8870	10.03	20.10	30.13	46.00	-15.87	AVG
11	4.7850	17.67	20.15	37.82	56.00	-18.18	QP
12	4.7850	12.73	20.15	32.88	46.00	-13.12	AVG
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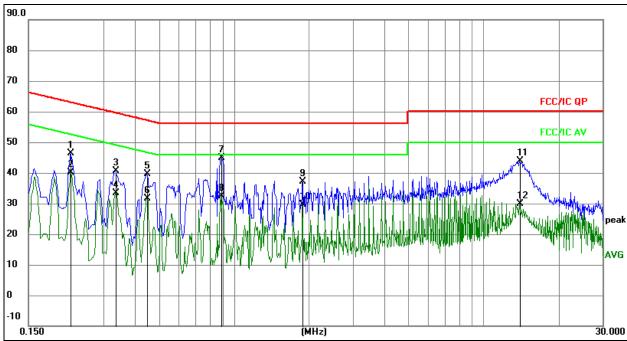
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Temperature:	<b>24.1</b> ℃	Relative Humidity:	56%RH
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 1	Test Voltage:	AC 120V/60Hz



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

4. Over	<u> = Measu</u>	irement - Lir	nit					
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.2220	26.37	20.07	46.44	62.74	-16.30	QP
2		0.2220	19.98	20.07	40.05	52.74	-12.69	AVG
3		0.3345	20.60	20.07	40.67	59.34	-18.67	QP
4		0.3345	13.42	20.07	33.49	49.34	-15.85	AVG
5		0.4470	19.48	20.08	39.56	56.93	-17.37	QP
6		0.4470	11.56	20.08	31.64	46.93	-15.29	AVG
7	*	0.8880	24.78	20.09	44.87	56.00	-11.13	QP
8		0.8880	12.23	20.09	32.32	46.00	-13.68	AVG
9		1.8870	17.04	20.10	37.14	56.00	-18.86	QP
10		1.8870	9.46	20.10	29.56	46.00	-16.44	AVG
11		13.9245	23.53	20.28	43.81	60.00	-16.19	QP
12		13.9245	9.70	20.28	29.98	50.00	-20.02	AVG
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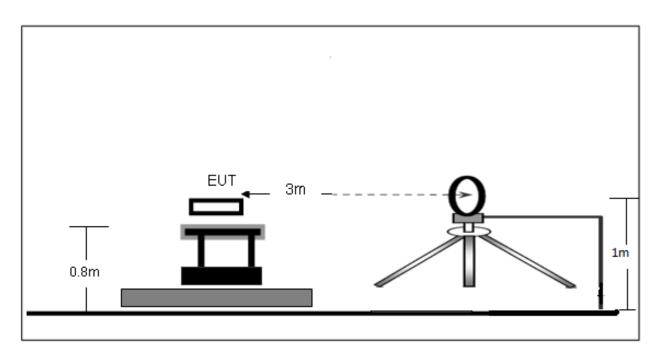
Edition: B.2

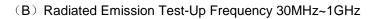


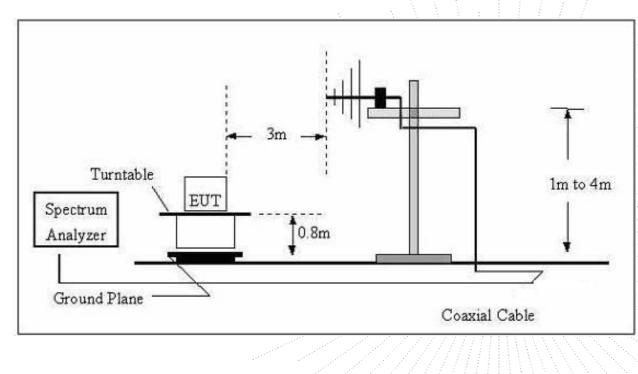
#### 7. Radiated Emissions

#### 7.1 Block Diagram Of Test Setup

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







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#### 7.2 Limit

#### FCC §15.209; §15.205.

Test Standard	FCC Part15 C Section 15.2	209 and 15.205			
	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
Test Limit	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
	Above 1000MHz	-	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 camber. 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.

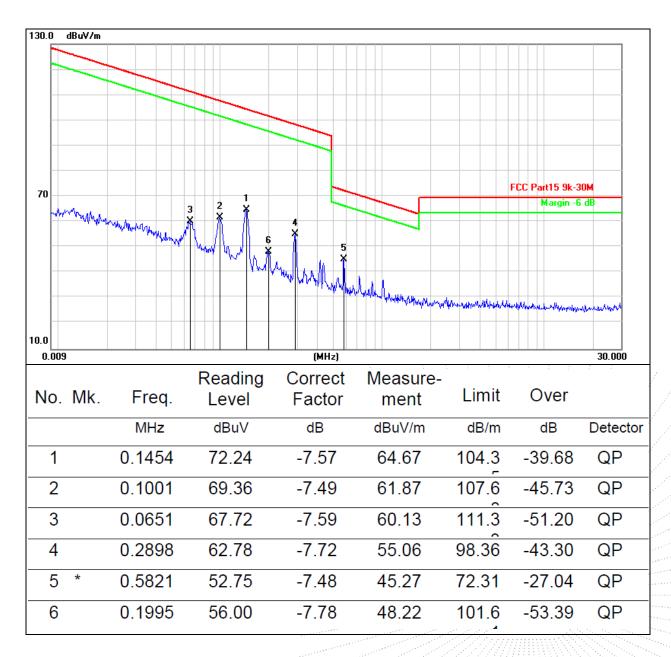
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.



#### 7.4 Test Result

L-WP-10L6
9kHz-30MHz

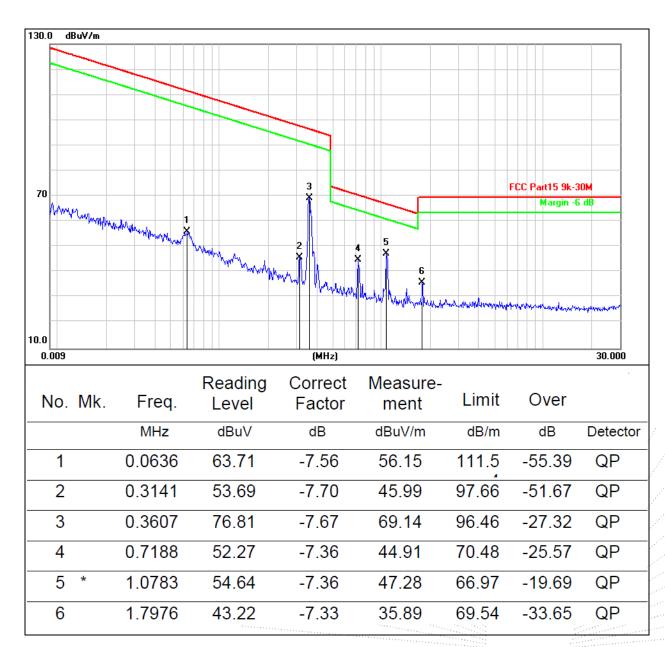
Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Coaxial(Worst)



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Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 2	Polarization:	Coaxial(Worst)

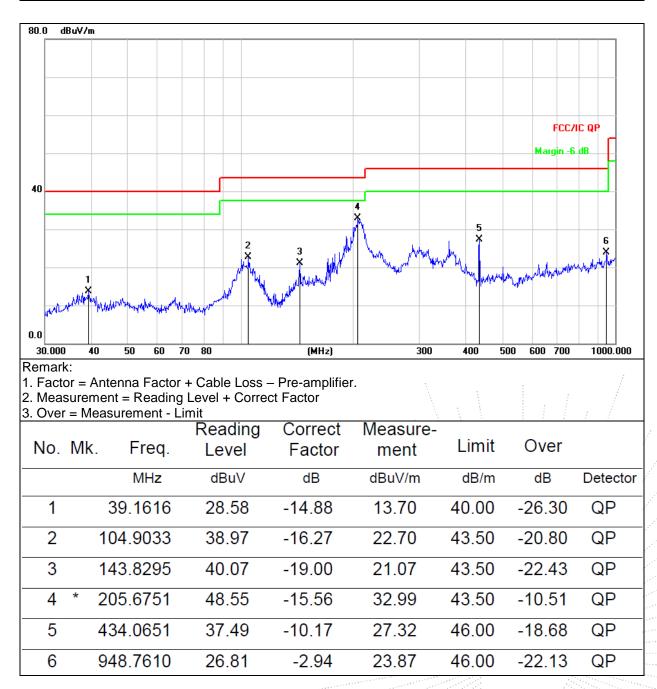


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Between 30MHz - 1GHz

Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase:	Horizontal
Test Mode:	Mode 1(Worst case)	Test Voltage:	AC 120V/60Hz

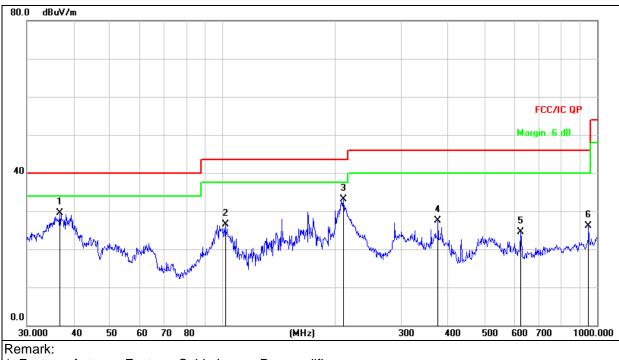


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Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1(Worst case)	Test Voltage:	AC 120V/60Hz



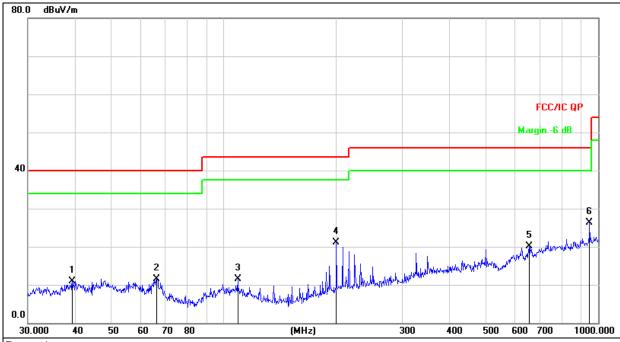
## Factor = Antenna Factor + Cable Loss – Pre-amplifier. Measurement = Reading Level + Correct Factor Over = Measurement - Limit

3. Ove	r = IVIE	easurement - L	lmit					
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		36.7662	44.87	-15.34	29.53	40.00	-10.47	QP
2		101.6443	42.58	-16.05	26.53	43.50	-16.97	QP
3	*	210.0482	48.60	-15.43	33.17	43.50	-10.33	QP
4		375.9385	38.74	-11.15	27.59	46.00	-18.41	QP
5		625.0780	31.13	-6.59	24.54	46.00	-21.46	QP
6		948.7610	29.14	-2.94	26.20	46.00	-19.80	QP

t Sea



Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 2(Worst case)	Test Voltage:	DC 3.85V



#### Remark:

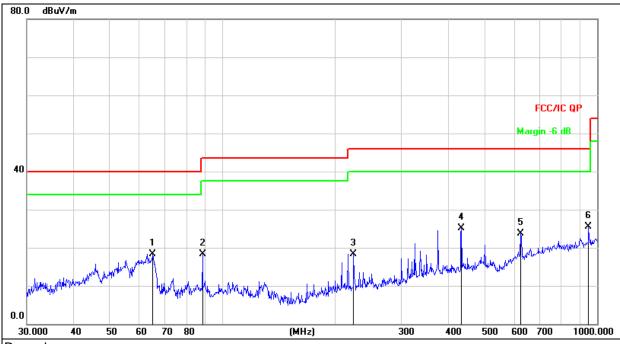
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. Measurement = Reading Level + Correct Factor

3. Ove	r = Me	asurement - L	limit					1
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		39.4371	25.67	-14.83	10.84	40.00	-29.16	QP
2		66.2662	28.40	-16.97	11.43	40.00	-28.57	QP
3		109.0286	28.15	-16.56	11.59	43.50	-31.91	QP
4		199.9856	36.87	-15.72	21.15	43.50	-22.35	QP
5		654.2318	26.19	-6.12	20.07	46.00	-25.93	QP
6	*	948.7610	29.34	-2.94	26.40	46.00	-19.60	QP



Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 2(Worst case)	Test Voltage:	DC 3.85V



#### Remark:

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

2. Measurement = Reading Level + Correct Factor

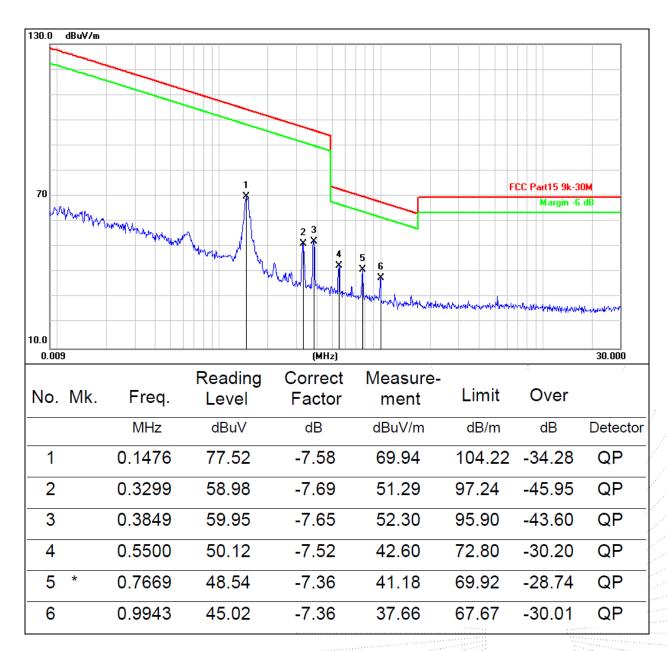
3. Over	= IVIe	asurement - L	imit					1
Na	N/L	<b>F</b> ue a	Reading	Correct	Measure-	Limit	Over	
INO.	Mk.	Freq.	Level	Factor	ment	LIIIII	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		65.1145	34.89	-16.66	18.23	40.00	-21.77	QP
2		88.3421	36.05	-17.79	18.26	43.50	-25.24	QP
3		223.7334	33.32	-15.04	18.28	46.00	-27.72	QP
4		434.0651	35.33	-10.17	25.16	46.00	-20.84	QP
5		625.0780	30.35	-6.59	23.76	46.00	-22.24	QP
6	*	948.7610	28.37	-2.94	25.43	46.00	-20.57	QP

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#### L-WP-05B5 9kHz-30MHz

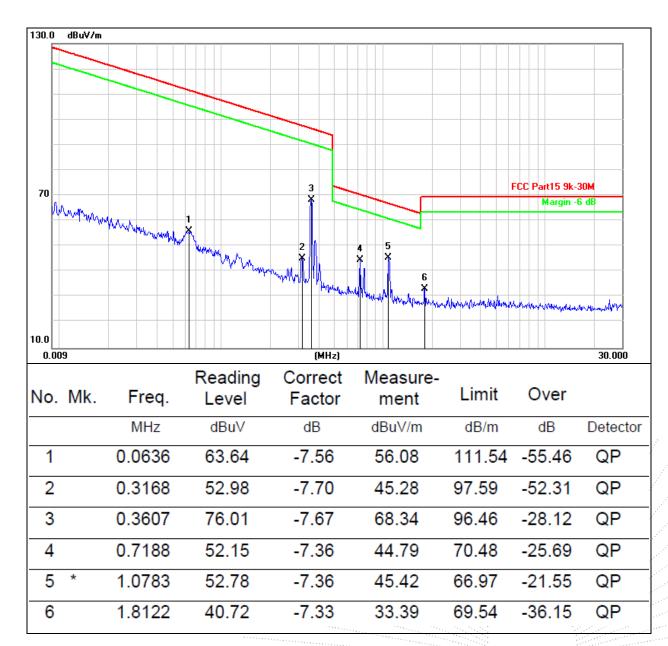
Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101 kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 1	Polarization:	Coaxial(Worst)







Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101 kPa	Test Voltage:	DC 3.85V
Test Mode:	Mode 2	Polarization:	Coaxial(Worst)

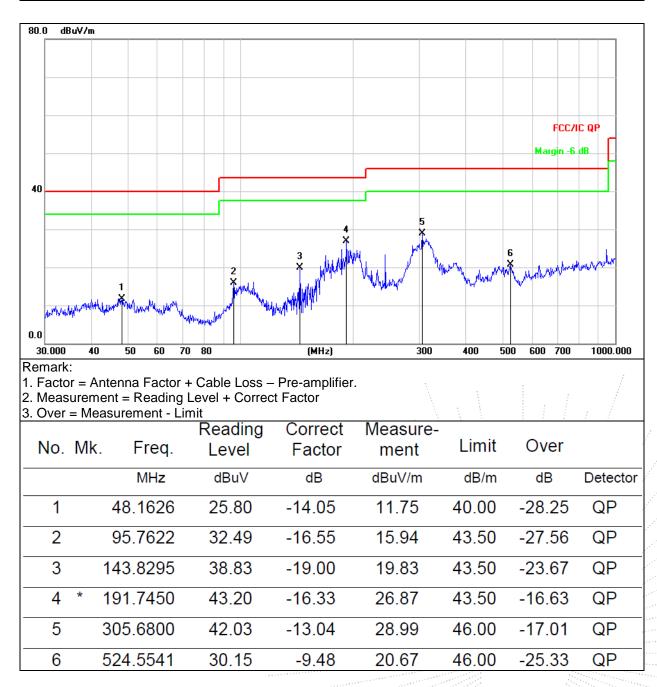


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Between 30MHz - 1GHz

Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase:	Horizontal
Test Mode:	Mode 1(Worst case)	Test Voltage:	AC 120V/60Hz

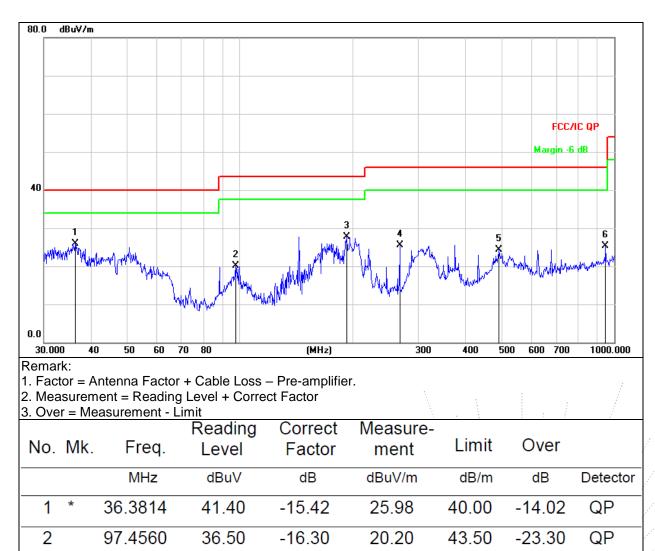




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Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 1(Worst case)	Test Voltage:	AC 120V/60Hz



-16.23

-13.92

-8.80

-2.94

3

4

5

6

193.0945

267.5455

492.4685

948.7610

43.97

39.44

33.09

28.24

27.74

25.52

24.29

25.30

43.50

46.00

46.00

46.00

-15.76

-20.48

-21.71

-20.70

QP

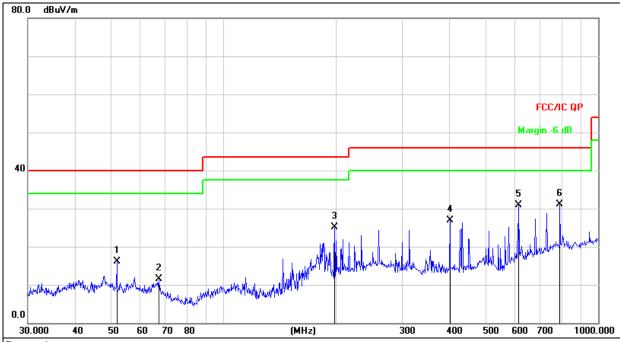
QP

QP

QP



Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 2(Worst case)	Test Voltage:	DC 3.85V



#### Remark:

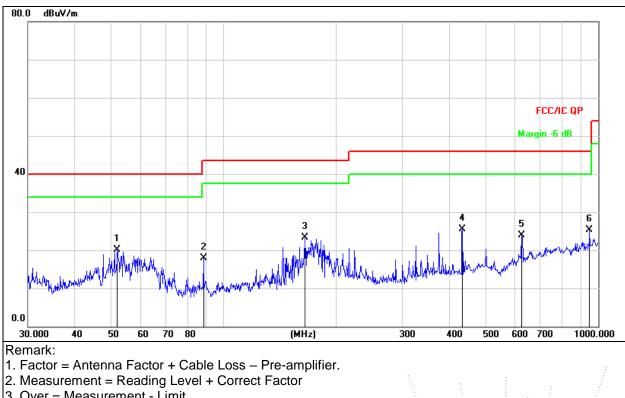
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. Measurement = Reading Level + Correct Factor

3. Over	= Me	asurement - L	imit					1
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		51.8430	30.33	-14.15	16.18	40.00	-23.82	QP
2		67.2022	28.82	-17.23	11.59	40.00	-28.41	QP
3		197.8928	41.00	-15.88	25.12	43.50	-18.38	QP
4		401.8385	37.73	-10.80	26.93	46.00	-19.07	QP
5		614.2142	37.61	-6.78	30.83	46.00	-15.17	QP
6	*	790.6188	35.61	-4.51	31.10	46.00	-14.90	QP



Temperature:	<b>24.7</b> ℃	Relative Humidity:	50%RH
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 2(Worst case)	Test Voltage:	DC 3.85V



3. Ove	r = Me	asurement - L	imit					
		_	Reading	Correct	Measure-		0	
No.	Mk.	Freq.	Level	Factor	ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	52.0251	34.32	-14.17	20.15	40.00	-19.85	QP
2		88.3421	35.62	-17.79	17.83	43.50	-25.67	QP
3		164.9075	41.70	-18.32	23.38	43.50	-20.12	QP
4		434.0651	35.62	-10.17	25.45	46.00	-20.55	QP
5		625.0780	30.56	-6.59	23.97	46.00	-22.03	QP
6	!	948.7610	28.27	-2.94	25.33	46.00	-20.67	QP

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#### 8. Bandwidth Test

#### 8.1 Test Procedure

- 1. Set RBW = 1%~5% OBW.
- 2. Set the video bandwidth (VBW)  $\ge$  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





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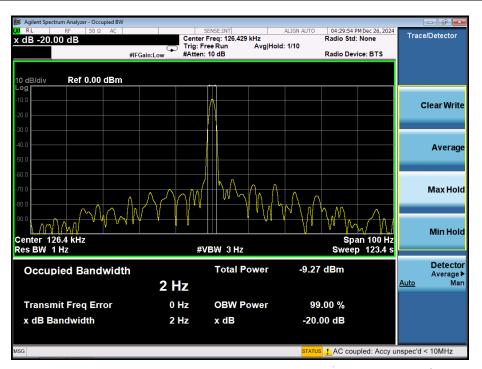
Edition: B.2

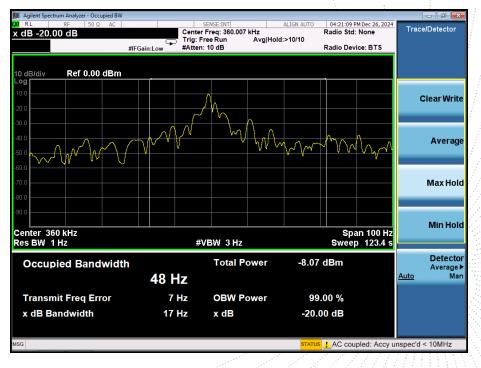


#### 8.3 Test Result

#### L-WP-10L6

Frequency (kHz)	20dB bandwidth (kHz)	Result
126.4	0.002	Pass
360	0.017	Pass

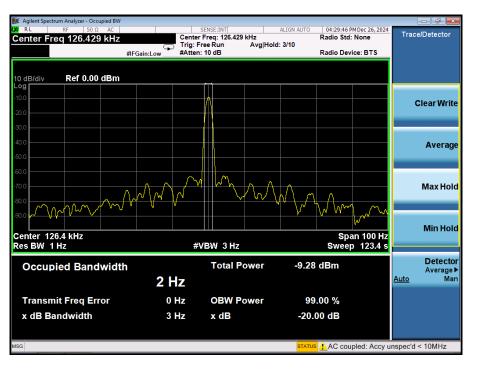






#### L-WP-05B5

Frequency (kHz)	20dB bandwidth (kHz)	Result
126.4	0.002	Pass
360	0.028	Pass





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#### 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

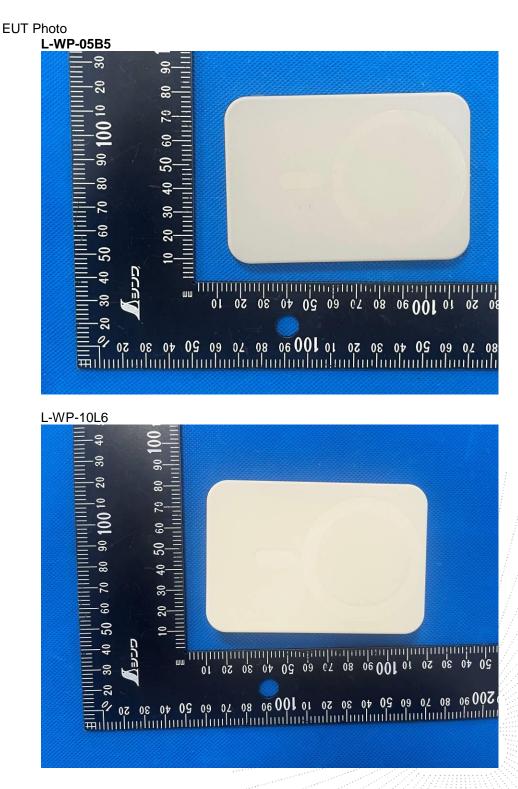
The antenna used for this product is Inductive Loop coil antenna.

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#### 10. EUT Photographs



NOTE: Appendix-Photographs Of EUT Constructional Details

No.: BCTC/RF-EMC-005

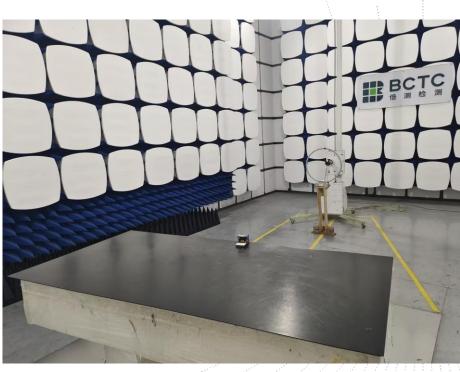


#### 11. EUT Test Setup Photographs

L-WP-10L6 Conducted emissions



Radiated Measurement Photos 9kHz-30MHz



No.: BCTC/RF-EMC-005

Se



30MHz-1GHz



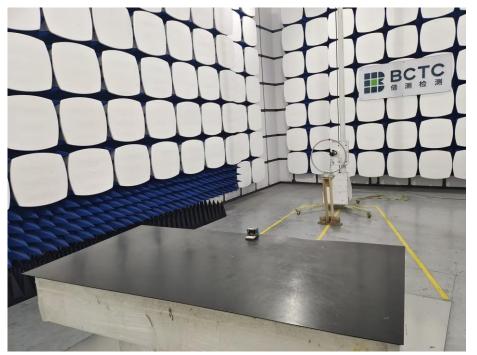
L-WP-05B5 Conducted emissions



Edition: B.2



Radiated Measurement Photos 9kHz-30MHz



30MHz-1GHz



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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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TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

Consultation E-mail: bctc@bctc-lab.com.cn

Complaint/Advice E-mail: advice@bctc-lab.com.cn

\*\*\*\*\* END \*\*\*\*\*

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