



TEST REPORT

Applicant: Shenzhen DBLC Co. LTD
Address of Applicant: Room417,4 FL,Block A,Longhua Youth Entrepreneurship Park,
Jianshe East Road, Longhua District,Shenzhen
Manufacturer/Factory: Shenzhen Chuangmeijia Medical Beauty Intelligence Co., LTD
Address of Manufacturer/Factory: 101, 201, 301, Building A8, New Development Zone, Baishixia
Community, Fuyong Street, Baoan District, Shenzhen
Product Name: Veggo
Model No.: VBVG0001
Trade Mark: Vibis
FCC ID: 2BEHK-VBVG0001
Applicable standards: FCC CFR Title 47 Part 18
Date of Test: Jan.09, 2024-Jan.22, 2024
Date of report issued: Jan.29, 2024
Test Result : PASS

Remark:

* In the configuration tested, the EUT complied with the standards specified above.

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company.

The report would be invalid without specific stamp of test institute and the signatures of compiler and approver

Prepared By

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Report Revision History

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1 Test Summary

Test Item	Section in CFR 47	Result	Test by
AC Power Line Conducted Emission	18.307(b)	Pass	Carr kang
Radiated Emission	18.305(b)	Pass	Carr kang

Remarks:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *Test according to FCC MP-5:1986.*

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9KHz-30MHz	±3.98 dB	(1)
Radiated Emission	30MHz-1000MHz	±4.30 dB	(1)
Radiated Emission	1GHz-18GHz	±4.35 dB	(1)
Radiated Emission	18GHz-40GHz	±4.59 dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	± 3.02 dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

2 General Information

2.1 General Description of EUT

Product Name:	Veggo
Model No.:	VBVG0001
Model of difference:	N/A
Test model:	VBVG0001
Sample(s) Status:	Engineer sample
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	115KHz -205KHz
Modulation type:	ASK
Antenna Type:	Induction coil Antenna
Power supply:	Input: DC 9V from adapter Output: wireless 15W

2.2 Test mode

Pretest mode	Description
Mode 1	ANT1-Adapter+empty load
Mode 2	ANT1- Adapter+half load
Mode 3	ANT1- Adapter+full load
Mode 4	ANT2-Adapter+empty load
Mode 5	ANT2- Adapter+half load
Mode 6	ANT2- Adapter+full load
Mode 7	ANT1-Adapter+full load + ANT2- Adapter+full load
For conducted emission	
Final test mode	ANT1-Adapter+full load + ANT2- Adapter+full load
For Radiated emission	
Final test mode	ANT1-Adapter+full load + ANT2- Adapter+full load
Note: ANT1 and ANT2 please see appendix II -Int photo.	

2.3 Description of Support Units

Equipment	Model	S/N	Manufacturer
Adapter	9V/3A	/	XIAO MI
Load	VBVG0001	/	Shenzhen Chuangmeijia Medical Beauty Intelligence Co., LTD

2.4 Test Facility

Test laboratory:	Shenzhen ETR Standard Technology Co., Ltd.
CNAS Registration Number:	L11864
A2LA Certificate Number:	6640.01
FCC Designation Number:	CN1326
FCC Test Firm Registration:	183064

2.5 Test Location

All tests were performed at:	
Laboratory location:	No.103, No.10, Phase I, Zone 3, Xinxing Industrial Park, Xinhe, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	+86 755 85259392

3 Test Instruments list

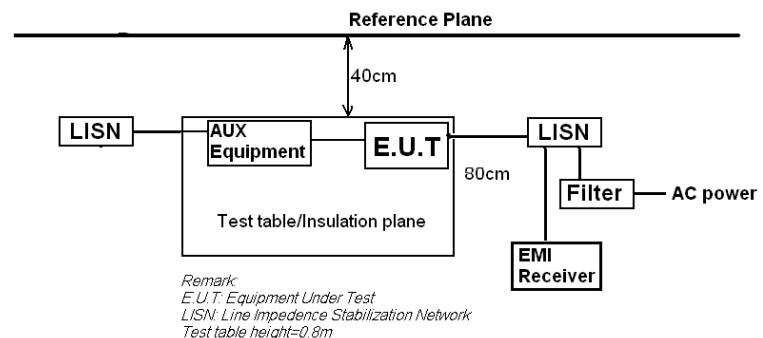
Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESC17	100605	2023.3.02	2024.3.01
2	EMI Test Receiver	Rohde&schwarz	ESC13	102696	2023.3.02	2024.3.01
3	Loop Antenna	schwarabeck	FMZB 1519 B	FMZB 1519 B	2022.3.11	2024.3.10
4	Broadband antenna	schwarabeck	VULB9168	1064	2022.3.11	2024.3.10
5	Horn antenna	schwarabeck	BBHA9120D	9120D-1145	2022.3.11	2024.3.10
6	amplifier	EMtrace	RP01A	50117	2023.3.02	2024.3.01
7	Artificial power network	schwarabeck	NSLK8127	8127483	2023.3.02	2024.3.01
8	Artificial power network	ETS	3186/2NM	1132	2023.3.02	2024.3.01
9	10dB attenuator	HUBER+SUHNER	10dB	/	2023.3.02	2024.3.01
10	amplifier	Space-Dtronics	EWLAN0118 G-P40	19113001	2023.3.02	2024.3.01
11	Spectrum analyzer	KEYSIGHT	N9020A	MY55370280	2023.3.02	2024.3.01

Note: the calibration interval of the above test instruments is 12 or 24 months and the calibrations are traceable to international system unit (SI).

Software Name	Manufacturer	Model	Version
Conducted test software	EZ-EMC	Farad	Ver.EMC-CON 3A1.1
Radiated test software	EZ-EMC	Farad	Ver.FA-03A2 RE

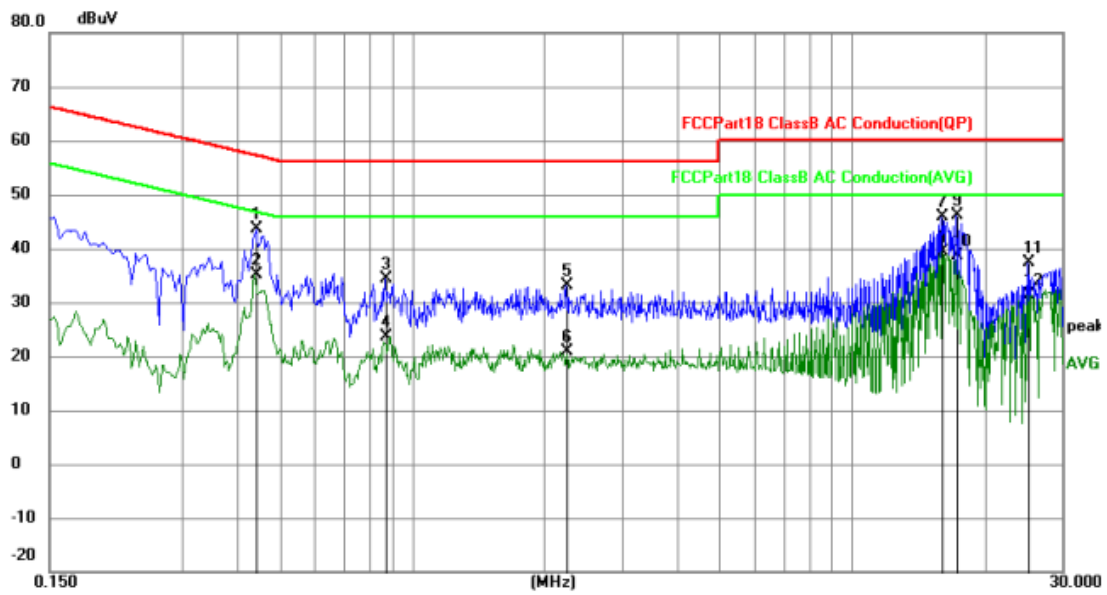
4 Test results and Measurement Data

4.1 Conducted Emissions

Test Requirement:	FCC Part18.307(b)				
Test Method:	FCC MP-5				
Test Frequency Range:	150KHz to 30MHz				
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto				
Limit:	Frequency range (MHz)	Limit (dBuV)			
		Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
* Decreases with the logarithm of the frequency.					
Test setup:	 <p>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>				
Test procedure:	<ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement. 				
Test Instruments:	Refer to section 3.0 for details				
Test mode:	Refer to section 2.2 for details				
Test environment:	Temp.:	23.5 °C	Humid.:	55%	Press.: 1012mbar
Test voltage:	AC 120V/60Hz				

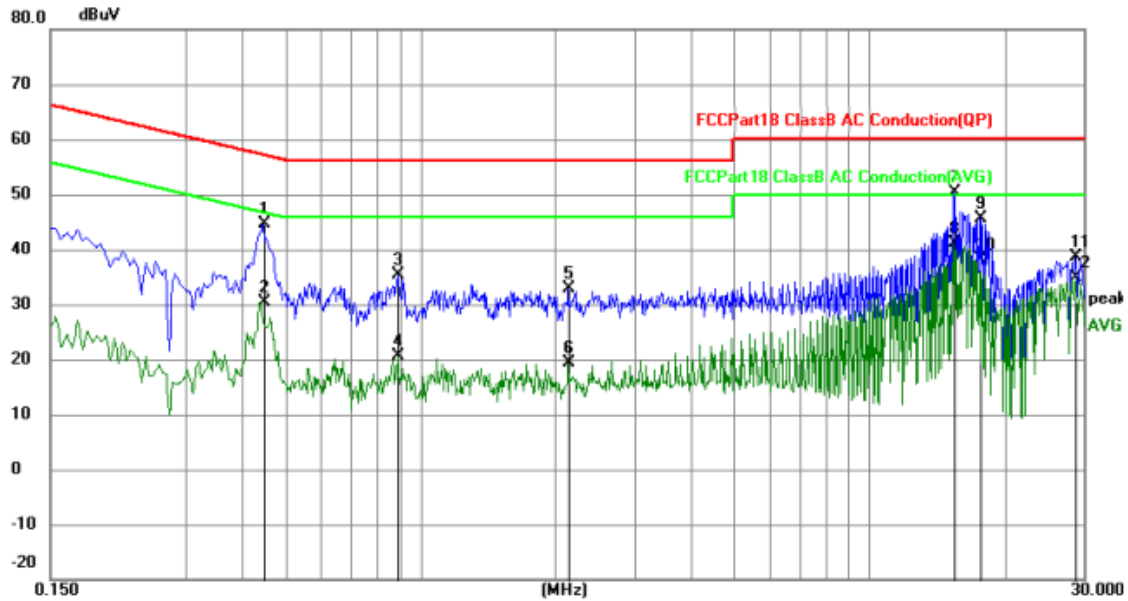
Measurement data

Line:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.4425	33.66	9.92	43.58	57.01	-13.43	QP
2	0.4425	25.24	9.92	35.16	47.01	-11.85	AVG
3	0.8700	24.43	9.96	34.39	56.00	-21.61	QP
4	0.8700	13.75	9.96	23.71	46.00	-22.29	AVG
5	2.2425	23.28	9.85	33.13	56.00	-22.87	QP
6	2.2425	11.10	9.85	20.95	46.00	-25.05	AVG
7	15.9900	36.06	9.74	45.80	60.00	-14.20	QP
8	15.9900	29.75	9.74	39.49	50.00	-10.51	AVG
9	17.2815	36.30	9.71	46.01	60.00	-13.99	QP
10	17.2815	28.87	9.71	38.58	50.00	-11.42	AVG
11	25.0980	27.73	9.58	37.31	60.00	-22.69	QP
12	25.0980	21.92	9.58	31.50	50.00	-18.50	AVG

Neutral:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.4470	34.64	9.92	44.56	56.93	-12.37	QP
2	0.4470	20.41	9.92	30.33	46.93	-16.60	AVG
3	0.8925	25.52	9.96	35.48	56.00	-20.52	QP
4	0.8925	10.74	9.96	20.70	46.00	-25.30	AVG
5	2.1435	23.09	9.85	32.94	56.00	-23.06	QP
6	2.1435	9.62	9.85	19.47	46.00	-26.53	AVG
7	15.4680	40.53	9.74	50.27	60.00	-9.73	QP
8	15.4680	31.45	9.74	41.19	50.00	-8.81	AVG
9	17.6190	35.96	9.71	45.67	60.00	-14.33	QP
10	17.6190	28.53	9.71	38.24	50.00	-11.76	AVG
11	28.7835	29.24	9.51	38.75	60.00	-21.25	QP
12	28.7835	25.45	9.51	34.96	50.00	-15.04	AVG

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

4.2 Radiated Emission measurement

Test Requirement:	FCC Part18.305 (b)				
Test Method:	FCC MP-5				
Test Frequency Range:	9kHz to 1000MHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz-150kHz	Quasi-peak	200Hz	300Hz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	10kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
Limit:	Frequency	Limit (uV/m)		Remark	
	0.009MHz-1000MHz	15@300m		Quasi-peak Value	
Test setup:	For radiated emissions from 9kHz to 30MHz				
Test setup:	For radiated emissions from 30MHz to 1GHz				
Test Procedure:	<p>Sequence of testing 9 kHz to 30 MHz Setup:</p> <ul style="list-style-type: none"> --- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer. --- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used. --- If the EUT is a floor standing device, it is placed on the ground. --- Auxiliary equipment and cables were positioned to simulate normal operation conditions. --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable. --- The measurement distance is 3 meter. 				

	<p>--- The EUT was set into operation.</p> <p>Premeasurement:</p> <p>--- The turntable rotates from 0° to 315° using 45° steps.</p> <p>--- The antenna height is 2.0 meter.</p> <p>--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions Final measurement:</p> <p>--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).</p> <p>--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.</p> <p>--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored</p> <p>Sequence of testing 30 MHz to 1 GHz Setup:</p> <p>--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.</p> <p>--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.</p> <p>--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.</p> <p>--- Auxiliary equipment and cables were positioned to simulate normal operation conditions</p> <p>--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.</p> <p>--- The measurement distance is 3 meter.</p> <p>--- The EUT was set into operation. Premeasurement:</p> <p>--- The turntable rotates from 0° to 315° using 45° steps.</p> <p>--- The antenna is polarized vertical and horizontal.</p> <p>--- The antenna height changes from 1 to 4 meter.</p> <p>--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.</p> <p>Final measurement:</p> <p>--- The final measurement will be performed with minimum the six highest peaks.</p> <p>--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.</p> <p>--- The final measurement will be done with QP detector with an EMI receiver.</p> <p>--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored</p>				
Test Instruments:	Refer to section 3.0 for details				
Test mode:	Refer to section 2.2 for details				
Test environment:	Temp.:	22.8°C	Humid.:	48%	Press.: 1012mbar
Test voltage:	DC 9 V From adapter				
Test results:	Pass				

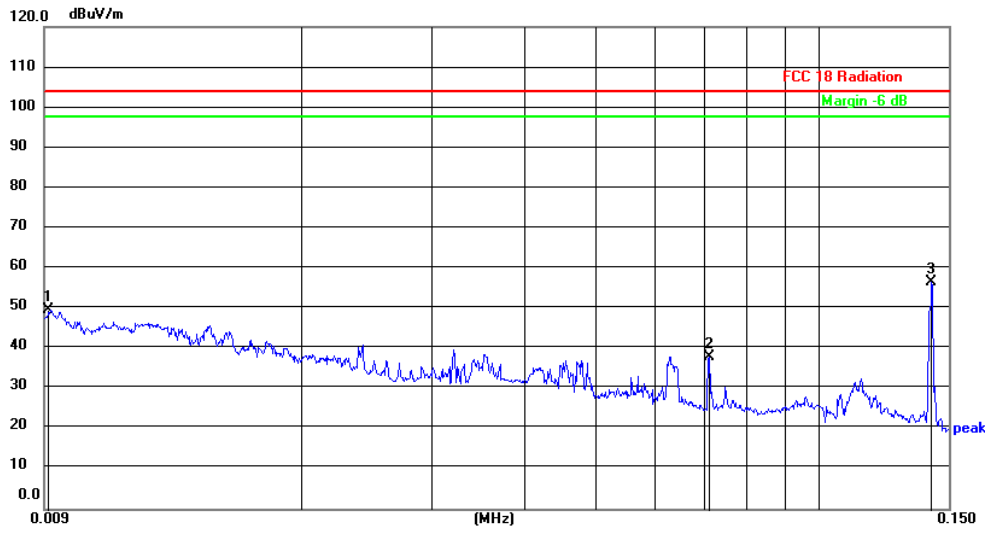
■ **Measurement data:**

Note:

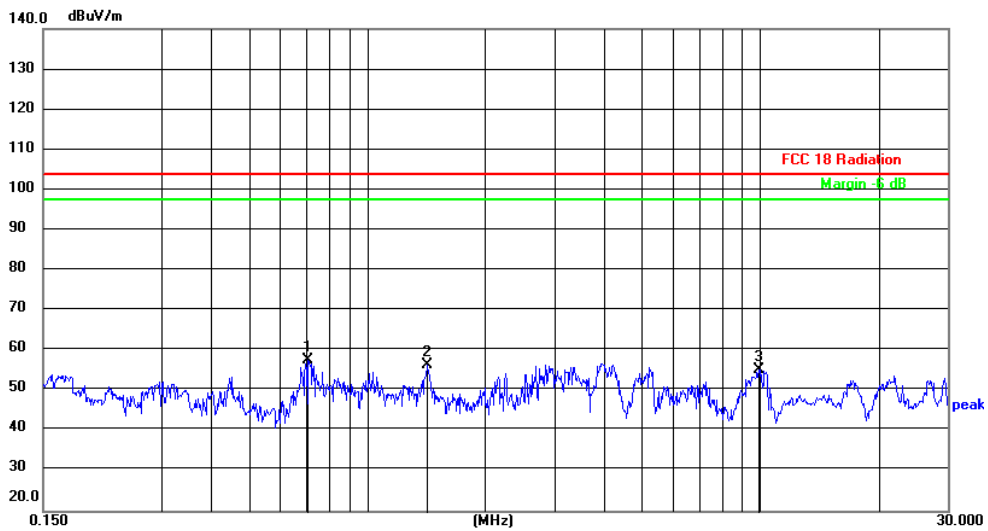
Emission level dBuV/m for 0.009~30MHz = 20log (15) + 40log (300/3)

Emission level dBuV/m for 30~1000MHz = 20log (15) + 20log (300/3)

Below 30MHz



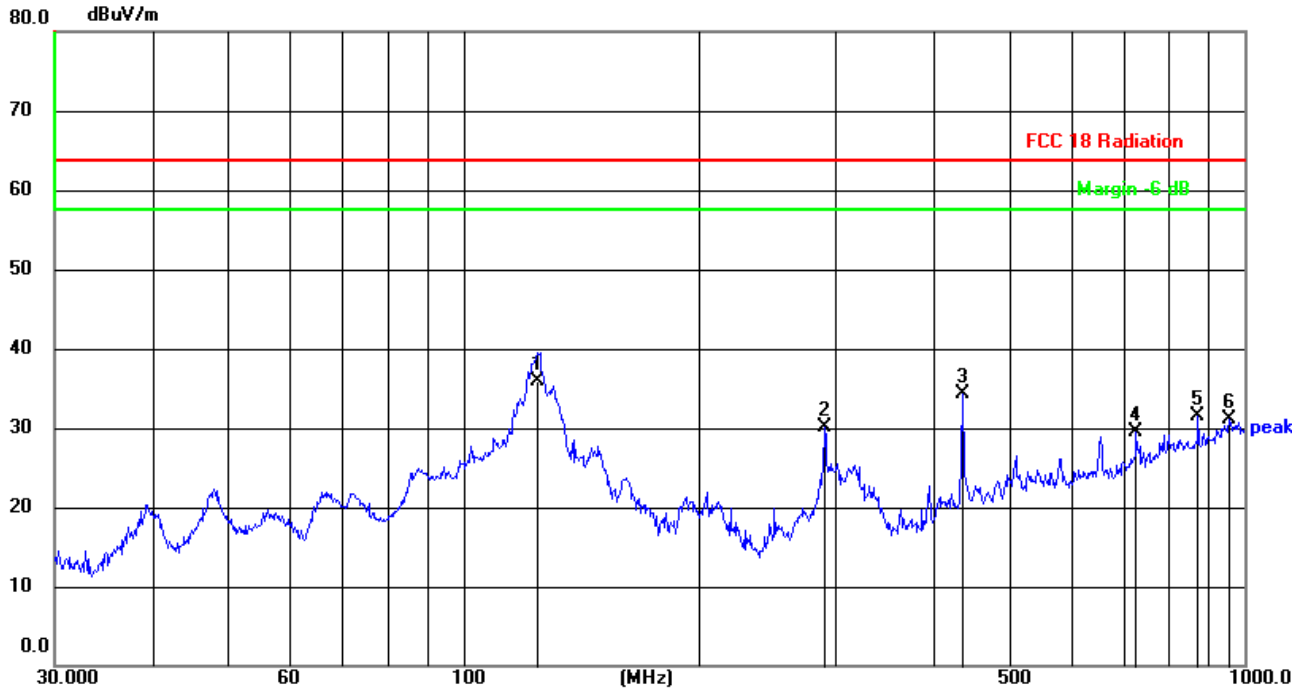
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0091	56.22	-6.56	49.66	103.50	-53.84	peak
2	0.0710	44.38	-6.34	38.04	103.50	-65.46	peak
3	0.1421	62.75	-6.32	56.43	103.50	-47.07	peak



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.7084	64.56	-7.02	57.54	103.50	-45.96	peak
2	1.4256	63.99	-7.42	56.57	103.50	-46.93	peak
3	9.9130	65.22	-9.84	55.38	103.50	-48.12	peak

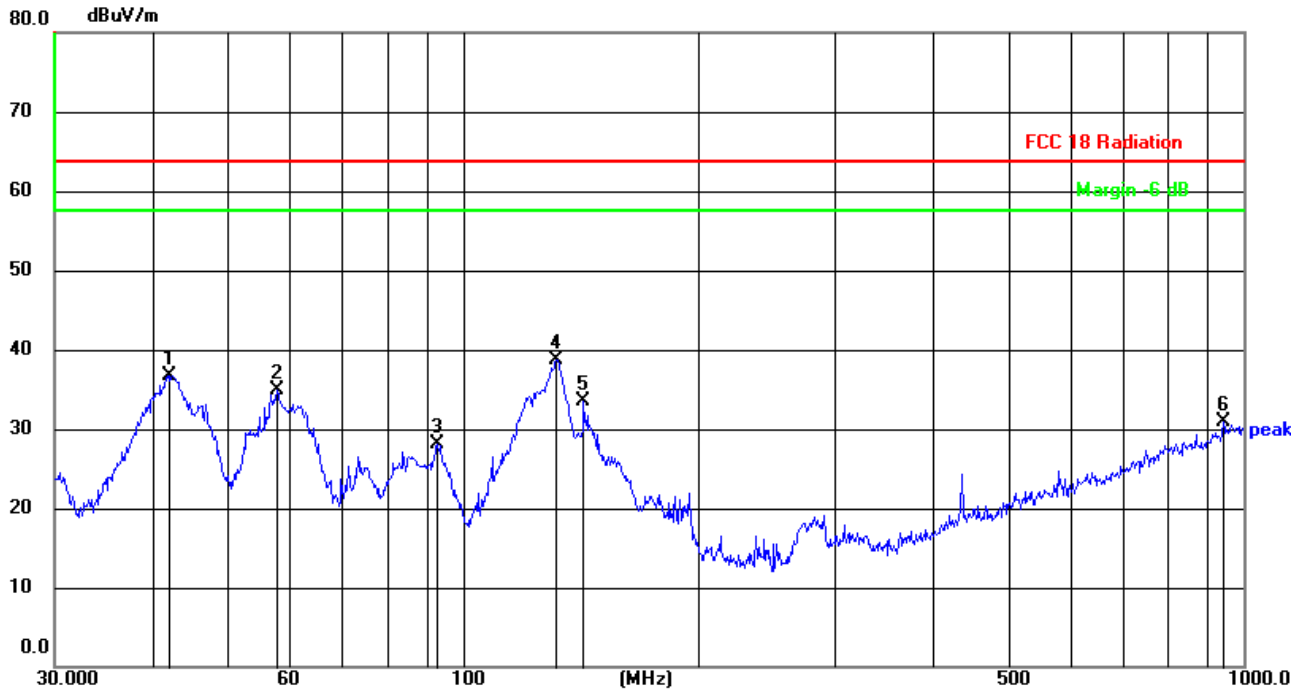
Below 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	124.5690	58.78	-22.88	35.90	63.50	-27.60	QP
2	290.0172	50.92	-20.80	30.12	63.50	-33.38	QP
3	435.5898	50.31	-15.97	34.34	63.50	-29.16	QP
4	726.8052	38.15	-8.58	29.57	63.50	-33.93	QP
5	872.1832	37.40	-5.91	31.49	63.50	-32.01	QP
6	955.4380	34.86	-3.76	31.10	63.50	-32.40	QP

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.8596	57.72	-21.03	36.69	63.50	-26.81	QP
2	57.7962	57.19	-22.38	34.81	63.50	-28.69	QP
3	92.7871	53.45	-25.35	28.10	63.50	-35.40	QP
4	131.7577	61.03	-22.39	38.64	63.50	-24.86	QP
5	142.8243	54.89	-21.31	33.58	63.50	-29.92	QP
6	942.1304	34.96	-4.07	30.89	63.50	-32.61	QP

Remark:

1. Final Level = Receiver Read level + Correction Factor (Antenna Factor + Cable Loss - Preamplifier Factor)
2. The emission levels of other frequencies are more than 20 dB below the limit and not show in test report.
3. “*”, means this data is the too weak instrument of signal is unable to test.

5 Test Setup Photo

Reference to the **appendix I** for details.

6 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----