



Certificate #4312.01

FCC TEST REPORT

Product Name: Smartphone**Trade Mark:** **inventus****Model No.:** CT1**Report Number:** 2312288686EMC-1**Test Standards:** FCC 47 CFR Part 15 Subpart B**FCC ID:** 2BDXXBDCT1**Test Result:** PASS**Date of Issue:** April 23, 2024

Prepared for:

INVENTUS GROUP LTD**C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD, WINNERSH
TRIANGLE, WOKINGHAM, UNITED KINGDOM, RG41 5TS**

Prepared by:

**Shenzhen UnionTrust Quality and Technology Co., Ltd.
Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and
technology park, Longhua district, Shenzhen, China****TEL: +86-755-2823 0888****FAX: +86-755-2823 0886**

Prepared by:

David Chen

David Chen

Senior Project Engineer

Approved by:

Billy Li

Technical Director

Reviewed by:

Robben chen

Robben Chen

Assistant Manager

Date:

April 23, 2024

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com<http://www.uttlab.com>

UTTR-EMC-FCCPART15B-V1.1

Version

Version No.	Date	Description
V1.0	April 23, 2024	Original



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1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	INVENTUS GROUP LTD
Address of Applicant:	C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD, WINNERSH TRIANGLE, WOKINGHAM, UNITED KINGDOM, RG41 5TS
Manufacturer:	INVENTUS GROUP LTD
Address of Manufacturer:	C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD, WINNERSH TRIANGLE, WOKINGHAM, UNITED KINGDOM, RG41 5TS

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	Smartphone
Model No.:	CT1
Trade Mark:	inventus
DUT Stage:	Identical Prototype
Rated Voltage:	☒ Powered by Battery: 3.85VDC
	☒ Powered by USB port
	☒ Powered by Adapter: Input: 100-240V~50/60Hz, 0.6 A Output: 5.0V==3.0A or 9.0V==2.22A or 12.0V==1.67A
Classification of digital devices:	Class B
Highest Internal Frequency:	5825 MHz
Software Version:	SW1_V7.0_SCT1INVS_ROW_A13_140324(Provided by the customer)
Hardware Version:	HW1 (Provided by the customer)
Sample Received Date:	January 10, 2024
Sample Tested Date:	January 16, 2024 to January 25, 2024
Remark:	The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.

1.2.2 Description of Accessories

Adapter	
Model No.:	TPD-203A120167UF01
Input:	100-240V~50/60Hz 0.6A
Output:	5.0V==3.0A or 9.0V==2.22A or 12.0V==1.67A

Battery	
Model No.:	INV012
Battery Type:	Lithium-ion Rechargeable Battery
Rated Voltage:	3.85Vdc
Limited Charge Voltage:	4.4Vdc
Rated Capacity:	4850mAh

Cable	
Connector:	USB Type-C Plug Cable
Cable Type:	Shielded without ferrite
Length:	1.15Meter

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<http://www.uttlab.com>

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1.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Serial Number	Supplied by
Notebook	DELL	Inspiron 5409	98N63 A00	UnionTrust
mouse	DELL	MS111	CN-011D3V-738	UnionTrust
USB flash disk	SanDisk	SDDDC4-064G-Z4 6	N/A	UnionTrust
TF Card	SanDisk	32GB	N/A	UnionTrust
Earphone	HUAWEI	N/A	N/A	UnionTrust
Wireless router	TP-Link	TL-WR886N	1169119003757	UnionTrust

1.4 TEST LOCATION

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Telephone: +86 (0) 755 2823 0888

Fax: +86 (0) 755 2823 0886

1.5 TEST FACILITY

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L9069

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

A2LA-Lab Certificate No.: 4312.01

Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

ISED Wireless Device Testing Laboratories

CAB identifier: CN0032

FCC Accredited Lab.

Designation Number: CN1194

Test Firm Registration Number: 259480

1.6 DEVIATION FROM STANDARDS

None.

1.7 ABNORMALITIES FROM STANDARD CONDITIONS

None.

1.8 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

1.9 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	Measurement Uncertainty
1	Conducted emission 9kHz-150kHz	±3.2 dB
2	Conducted emission 150kHz-30MHz	±2.7 dB
3	Radiated emission 9kHz-30MHz	±4.7 dB
4	Radiated emission 30MHz-1GHz	±4.6 dB
5	Radiated emission 1GHz-18GHz	±4.4 dB
6	Radiated emission 18GHz-40GHz	±4.6 dB

2. TEST SUMMARY

FCC 47 CFR Part 15 Subpart B Test Cases			
Test Item	Test Requirement	Test Method	Result
Conducted Emission	FCC 47 CFR Part 15.107	ANSI C63.4-2014	PASS
Radiated Emission	FCC 47 CFR Part 15.109	ANSI C63.4-2014	PASS



3. EQUIPMENT LIST

Radiated Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	3m SAC	ETS-LINDGREN	3M	Euroshiedpn-CT001270-1317	11-Nov-2023	10-Nov-2026
☒	Receiver	R&S	ESIB26	100114	27-Oct-2023	26-Oct-2024
☐	Loop Antenna	ETS-LINDGREN	6502	00202525	30-Oct-2023	29-Oct-2024
☒	Broadband Antenna	ETS-LINDGREN	3142E	00201566	30-Oct-2023	29-Oct-2024
☒	6dB Attenuator	Talent	RA6A5-N-18	18103001	30-Oct-2023	29-Oct-2024
☒	Preamplifier	HP	8447F	2805A02960	31-Oct-2023	30-Oct-2024
☒	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3117-PA	00201541	16-Apr-2023	15-Apr-2025
☒	Pre-amplifier	ETS-LINDGREN	00118385	00201874	31-Oct-2023	30-Oct-2024
☒	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3116C-PA	00202652	30-Oct-2023	29-Oct-2024
☒	Pre-amplifier	ETS-LINDGREN	00118384	00202652	30-Oct-2023	29-Oct-2024
☒	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☒	Test Software	Audix	e3	Software Version: 9.160323		

Conducted Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	Receiver	R&S	ESR7	101181	27-Oct-2023	26-Oct-2024
☒	Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	27-Oct-2023	26-Oct-2024
☒	LISN	R&S	ESH2-Z5	860014/024	27-Oct-2023	26-Oct-2024
☐	LISN	ETS-Lindgren	3816/2SH	00201088	27-Oct-2023	26-Oct-2024
☒	Test Software	EZ-EMC	EZ-CON	Software Version: EMC-CON 3A1.1		

4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

4.1.1 Normal or Extreme Test Conditions

Environment Parameter	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage (V)	Relative Humidity (%)
NT/NV	+15 to +35	1. 120~60Hz and/or 3.8V battery 2. 240~50Hz and/or 3.8V battery	20 to 75
Remark: 1) NV: Normal Voltage; NT: Normal Temperature			

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temp. (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
Radiated Emission	25.9	48.0	100.7	S202312282554-ZJB06/6	Fire Huo
Conducted Emission	18.4	34.7	100.2		Linson Xie

4.2 TEST MODES

Test Item	EMI Test Modes
Radiated Emission	Test_Mode_1 : Charging from 120 Vac (with adapter) + MP4 playing + TF Card + GSM 850 idle + GPS+ Earphone
	Test_Mode_2 : Charging from 120 Vac (with adapter) + TF Card + Camera (Front) + WCDMA Band V idle + GPS
	Test_Mode_3 : Charging from 120 Vac (with adapter) + TF Card + Camera (Back) + LTE B5 idle + GPS
	Test_Mode_4 : Charging from 120 Vac (with adapter) + TF Card + FM (with Earphone) + LTE B12 idle + Earphone + GPS
	Test_Mode_5 : Charging from 240 Vac (with adapter) + Worst from mode 1~4 + LTE B13 idle
	Test_Mode_6 : Airplane mode + MP4 playing + TF Card + OTG (With USB Disk) + Earphone
	Test_Mode_7 : Battery + TF Card + USB Cable (data transfer with notebook) + LTE B17 idle
Conducted Emission	Test_Mode_1 : Charging from 120 Vac (with adapter) + MP4 playing + TF Card + GSM 850 idle + GPS+ Earphone
	Test_Mode_2 : Charging from 120 Vac (with adapter) + TF Card + Camera (Front) + WCDMA Band V idle + GPS
	Test_Mode_3 : Charging from 120 Vac (with adapter) + TF Card + Camera (Back) + LTE B5 idle + GPS
	Test_Mode_4 : Charging from 120 Vac (with adapter) + TF Card + FM (with Earphone) + LTE B12 idle + Earphone + GPS
	Test_Mode_5 : Charging from 240 Vac (with adapter) + Worst from mode 1~4 + LTE B13 idle
	Test_Mode_6 : Battery + TF Card + USB Cable (data transfer with notebook) + LTE B17 idle
Remark: The above test modes in boldface were the worst cases, only the test data of these modes were reported.	

4.3 TEST SETUP

4.3.1 For Radiated Emissions test setup

Figure 1. 30MHz to 1GHz

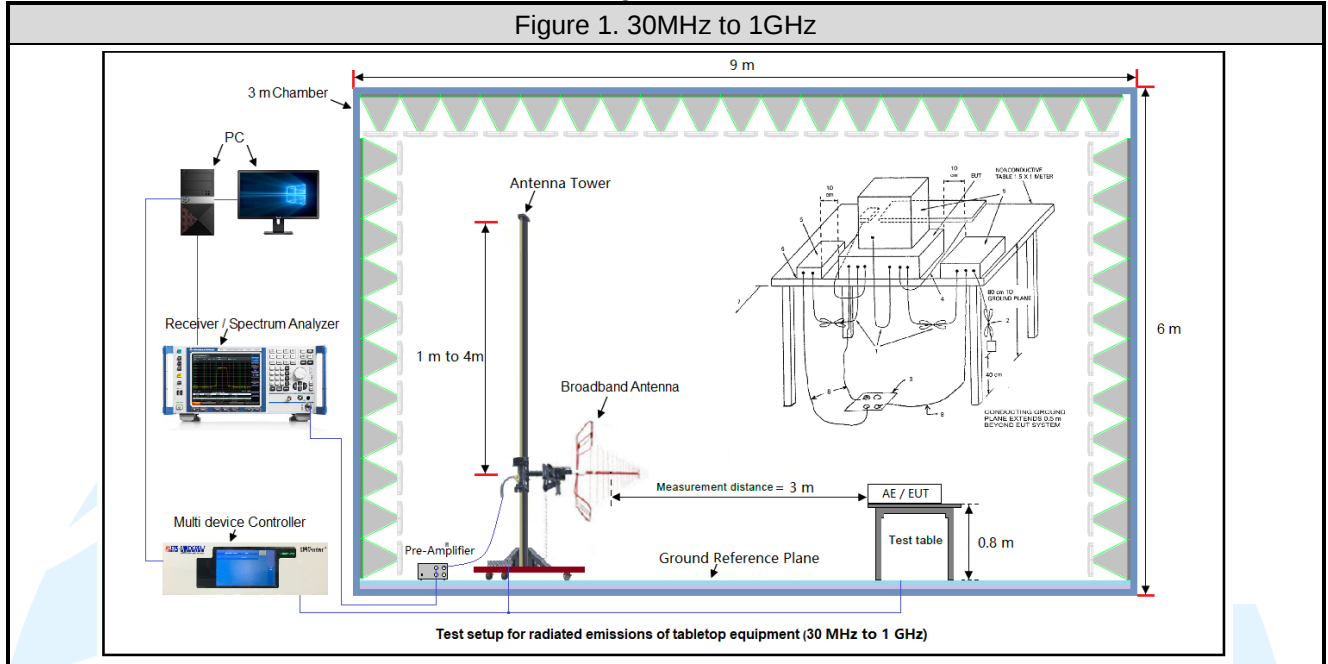
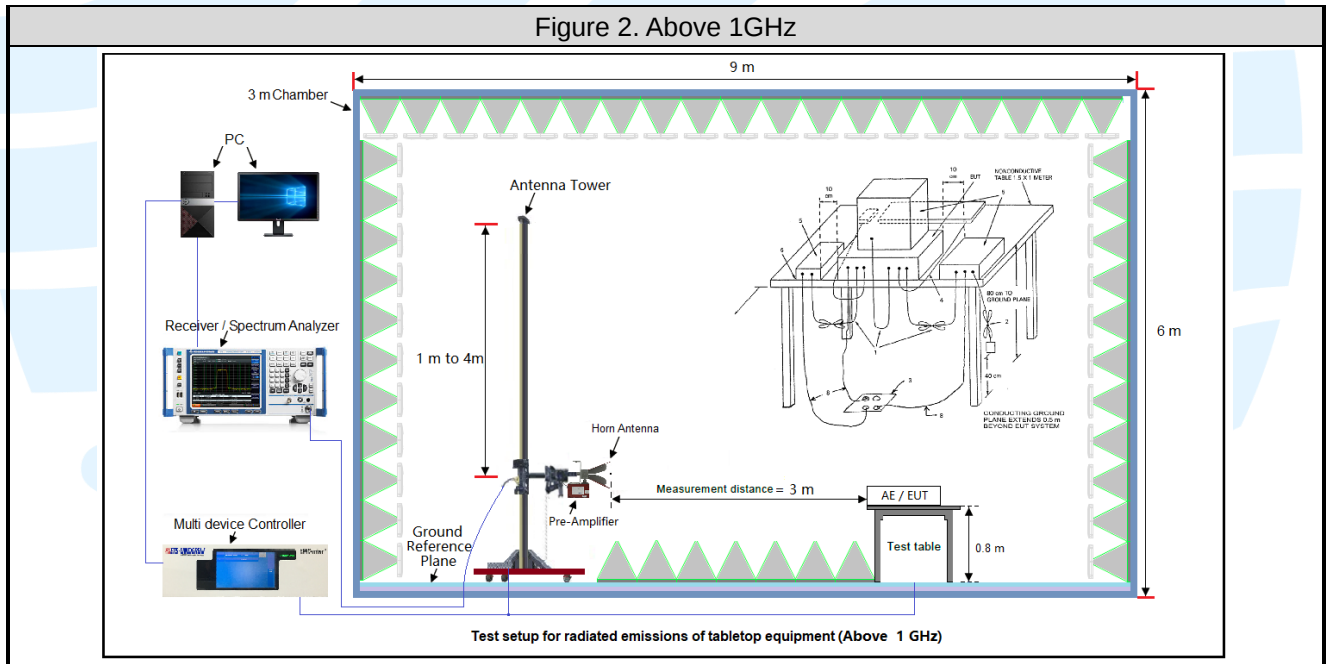
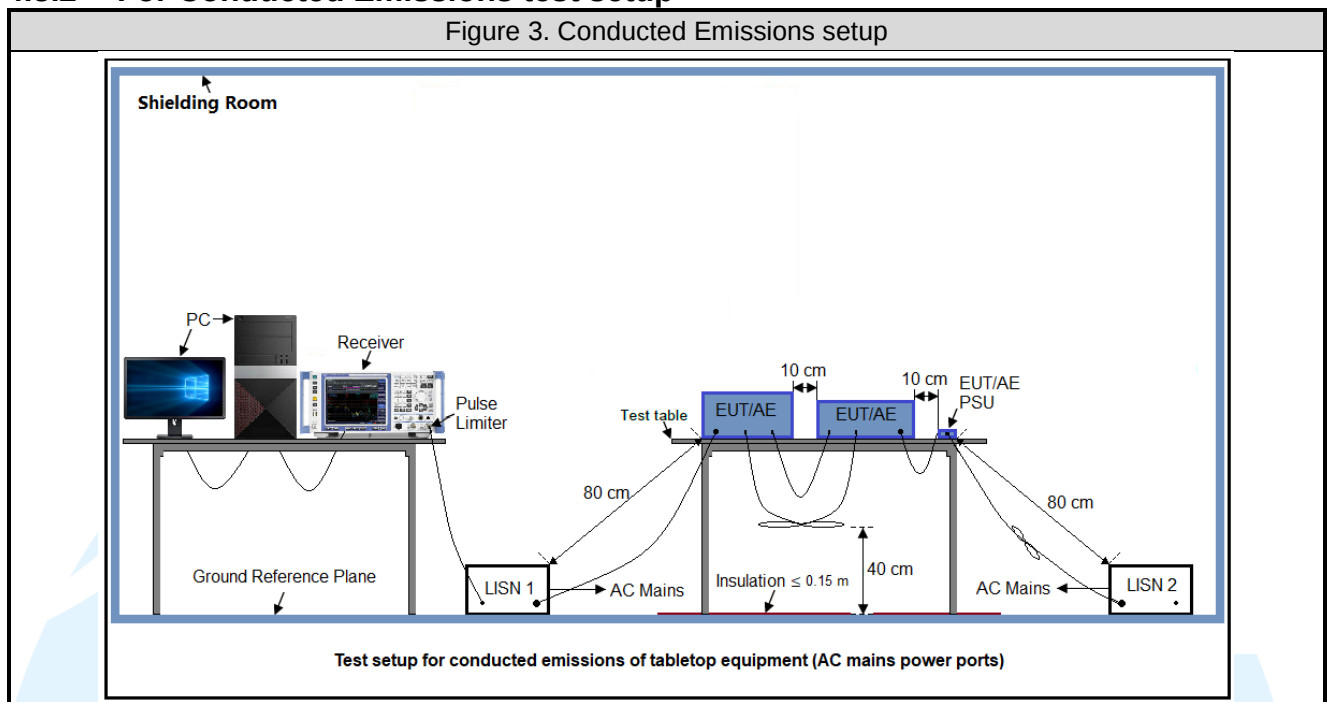


Figure 2. Above 1GHz



4.3.2 For Conducted Emissions test setup



4.4 SYSTEM TEST CONFIGURATION

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000MHz. The resolution is 1 MHz or greater for frequencies above 1000MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic (according to KDB 896810 D02 SDoC FAQ v01r01) of the highest fundamental frequency or to 40 GHz, whichever is lower.

5. REFERENCE DOCUMENTS FOR TESTING

No.	Identity	Document Title
1	FCC 47 CFR Part15 Subpart B	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
3	KDB 174176 D01 Line Conducted FAQ v01r01	AC power-line conducted emission frequency asked questions
4	KDB 896810 D02 SDoC FAQ v01r02	Supplier's Declaration of Conformity frequency asked questions

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E-mail: info@uttlab.com<http://www.uttlab.com>

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6. EMC REQUIREMENTS SPECIFICATION

6.1 RADIATED EMISSION

Test Requirement: FCC 47 CFR Part 15.109

Test Method: ANSI C63.4-2014

Receiver Setup:

Frequency: (f) (MHz)	Detector type	Measurement receiver bandwidth	
		RBW	VBW
$30 \leq f \leq 1\,000$	Quasi Peak	120 kHz	300 kHz
$f \geq 1000$	Peak	1 MHz	3 MHz
	Average	1 MHz	3 MHz

Measured frequency range

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Limits:

Limits for Class B devices

Frequency (MHz)	limits at 3m (dB μ V/m)		
	QP Detector	PK Detector	AV Detector
30-88	40.0	--	--
88-216	43.5	--	--
216-960	46.0	--	--
960 to 1000	54.0	--	--
Above 1000	--	74.0	54.0

Remark:

- The lower limit shall apply at the transition frequencies.
- Emission level (dB μ V/m) = 20 log Emission level (μ V/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

Test Setup: Refer to section 4.3.1 for details.

Test Procedures:

1. From 30 MHz to 1GHz test procedure as below:

- The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.
- Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
- For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

2. Above 1GHz test procedure as below:

- The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.
- Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

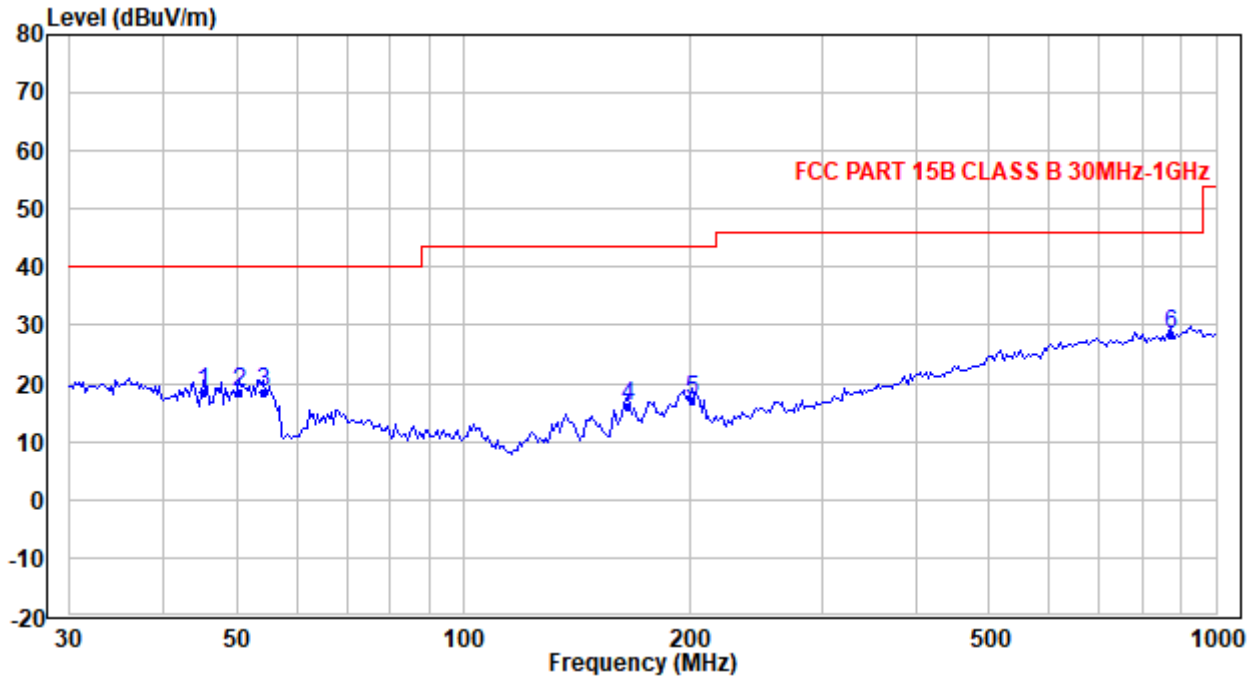
- 3) For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

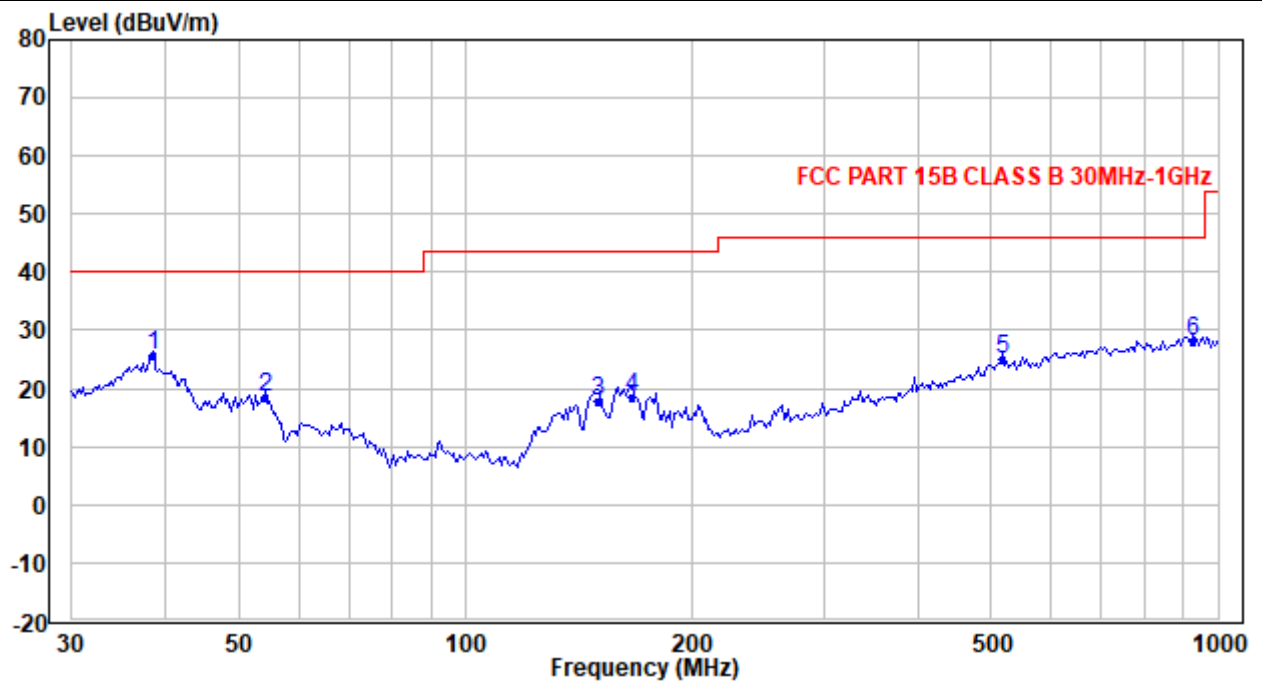
The worst measurement data as follows:

Below 1GHz (Quasi Peak):
Test Mode 1
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	45.095	32.24	-13.76	18.48	40.00	-21.52	QP
2	50.461	35.41	-17.01	18.40	40.00	-21.60	QP
3	54.135	36.91	-18.42	18.49	40.00	-21.51	QP
4	165.472	31.86	-15.81	16.05	43.50	-27.45	QP
5	201.454	30.64	-13.43	17.21	43.50	-26.29	QP
6	868.886	26.90	1.69	28.59	46.00	-17.41	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.365	34.74	-9.18	25.56	40.00	-14.44	QP
2	54.135	36.97	-18.42	18.55	40.00	-21.45	QP
3	149.968	35.57	-17.61	17.96	43.50	-25.54	QP
4	166.639	34.04	-15.64	18.40	43.50	-25.10	QP
5	516.565	27.19	-2.23	24.96	46.00	-21.04	QP
6	925.613	25.58	2.55	28.13	46.00	-17.87	QP

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

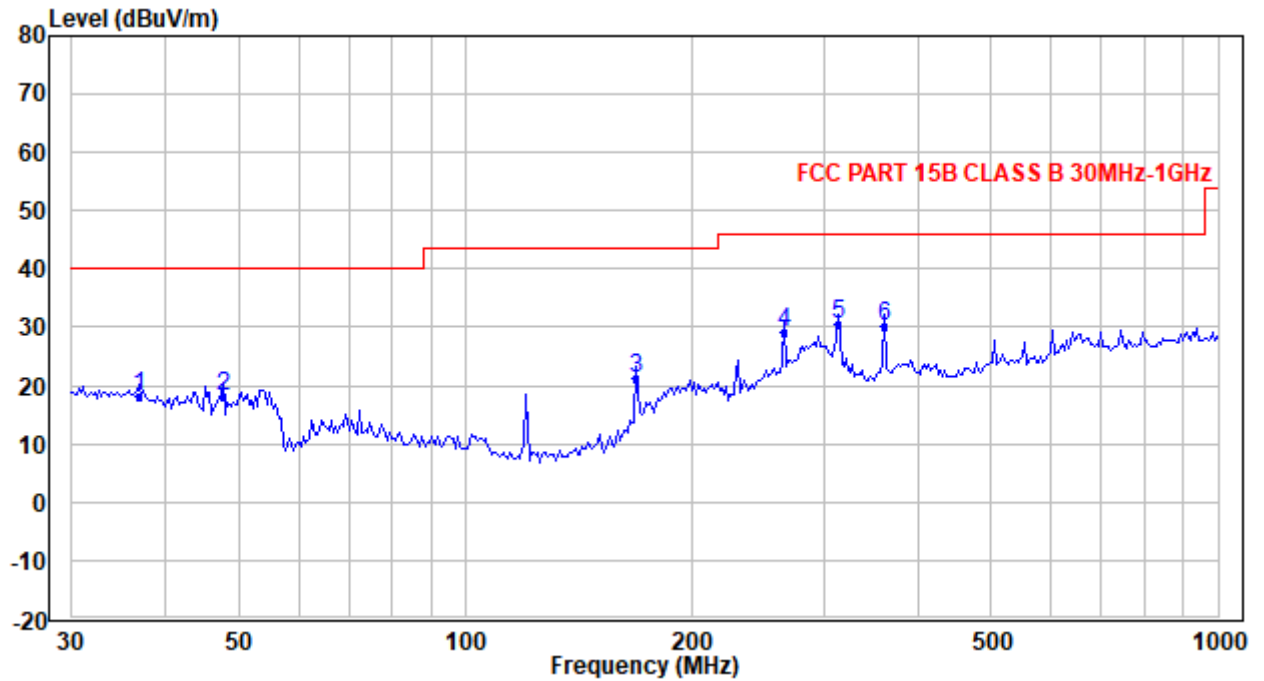
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E-mail: info@uttlab.com

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Below 1GHz (Quasi Peak):
Test Mode 7
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.781	26.83	-8.52	18.31	40.00	-21.69	QP
2	47.703	33.63	-15.49	18.14	40.00	-21.86	QP
3	168.997	36.27	-14.88	21.39	43.50	-22.11	QP
4	264.971	39.94	-10.94	29.00	46.00	-17.00	QP
5	313.648	39.20	-8.80	30.40	46.00	-15.60	QP
6	360.977	37.27	-7.18	30.09	46.00	-15.91	QP

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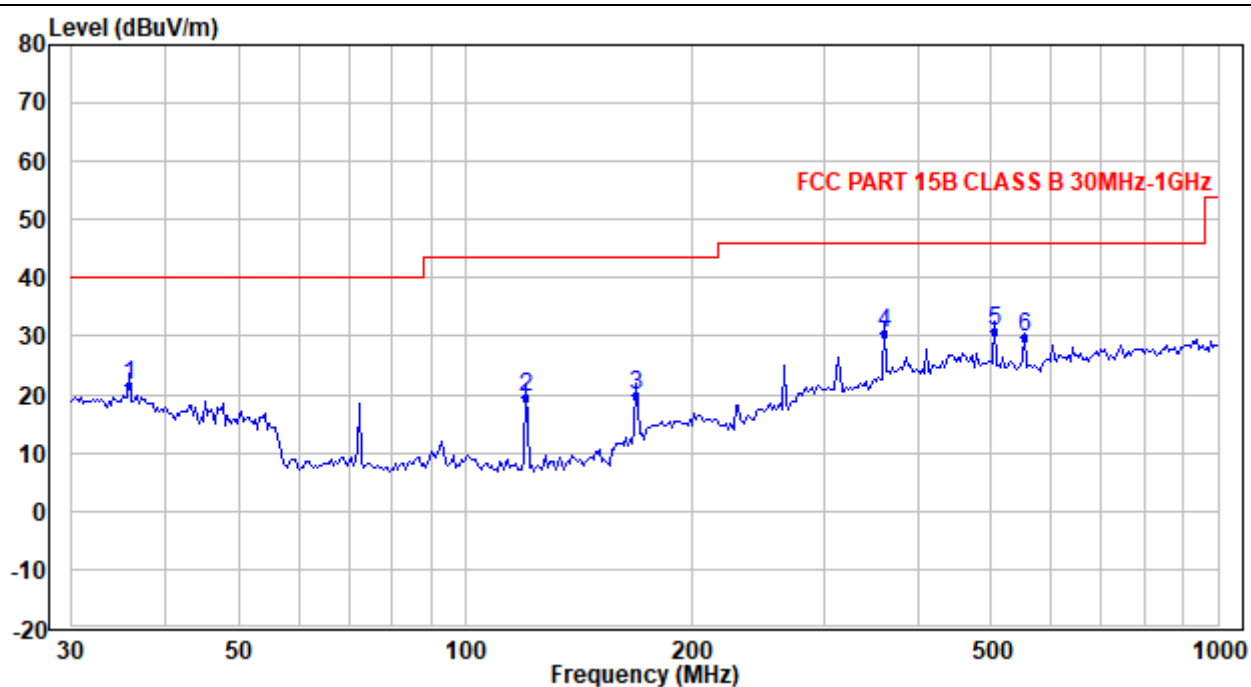
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.762	29.63	-8.14	21.49	40.00	-18.51	QP
2	120.612	38.68	-19.13	19.55	43.50	-23.95	QP
3	168.997	34.86	-14.88	19.98	43.50	-23.52	QP
4	360.977	37.57	-7.18	30.39	46.00	-15.61	QP
5	505.789	33.09	-2.39	30.70	46.00	-15.30	QP
6	554.171	31.57	-1.90	29.67	46.00	-16.33	QP

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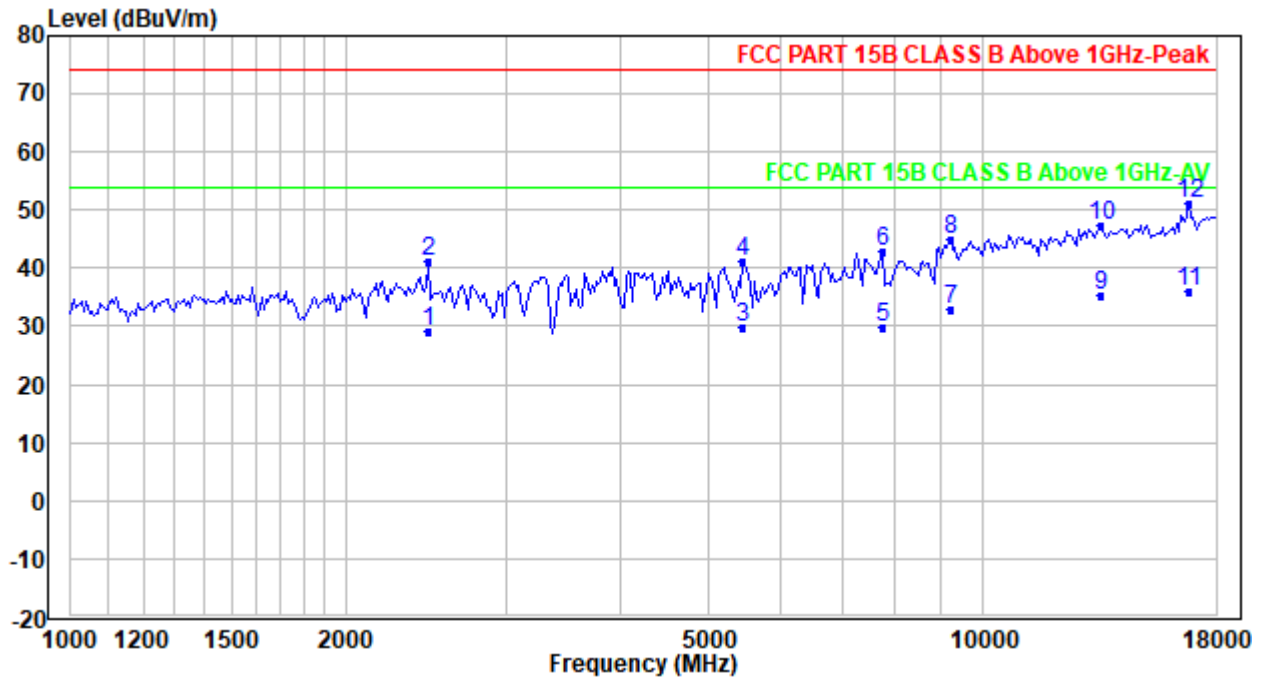
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Above 1GHz (Peak & Average)
Test Mode 1
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2468.481	36.76	-7.74	29.02	74.00	-44.98	Average
2	2468.481	48.76	-7.74	41.02	74.00	-32.98	Peak
3	5458.380	29.73	0.27	30.00	74.00	-44.00	Average
4	5458.380	40.73	0.27	41.00	74.00	-33.00	Peak
5	7771.663	26.91	2.94	29.85	74.00	-44.15	Average
6	7771.663	39.91	2.94	42.85	74.00	-31.15	Peak
7	9193.178	27.31	5.65	32.96	74.00	-41.04	Average
8	9193.178	39.31	5.65	44.96	74.00	-29.04	Peak
9	13473.910	22.56	12.63	35.19	74.00	-38.81	Average
10	13473.910	34.56	12.63	47.19	74.00	-26.81	Peak
11	16791.350	23.20	12.89	36.09	74.00	-37.91	Average
12	16791.350	38.20	12.89	51.09	74.00	-22.91	Peak

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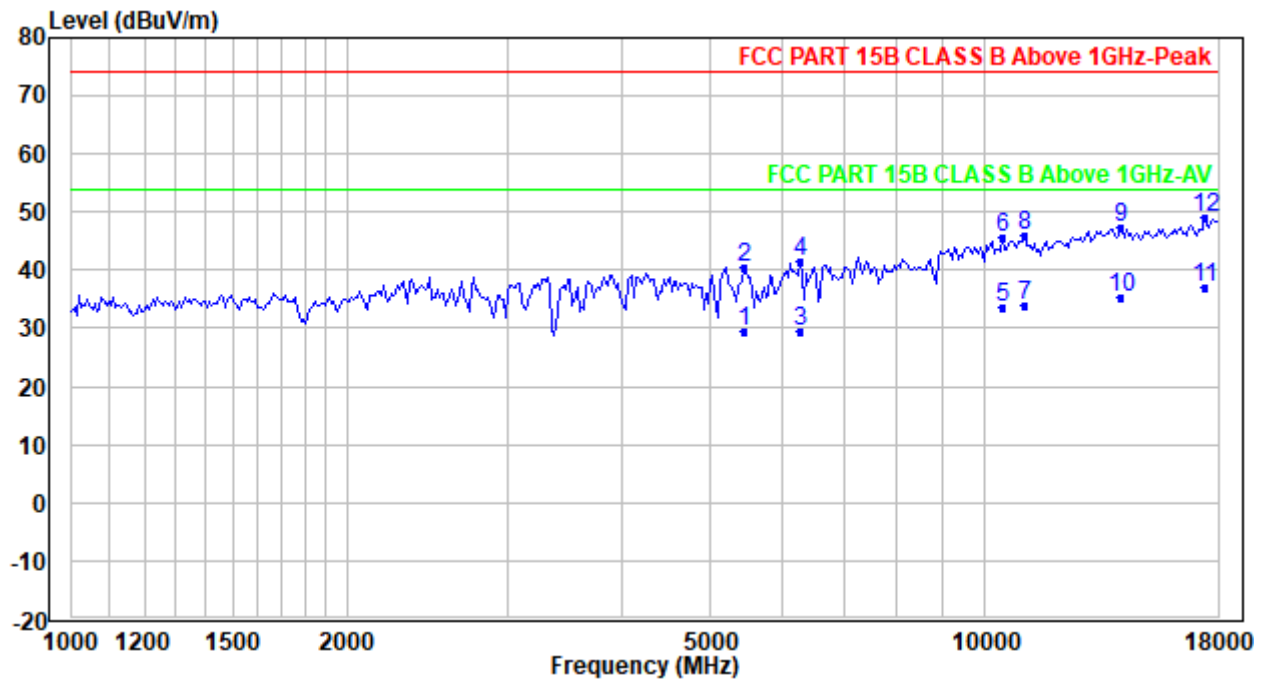
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5458.380	29.21	0.27	29.48	74.00	-44.52	Average
2	5458.380	40.21	0.27	40.48	74.00	-33.52	Peak
3	6272.456	28.64	0.94	29.58	74.00	-44.42	Average
4	6272.456	40.64	0.94	41.58	74.00	-32.42	Peak
5	10442.590	26.29	7.23	33.52	74.00	-40.48	Average
6	10442.590	38.29	7.23	45.52	74.00	-28.48	Peak
7	11065.320	25.70	8.16	33.86	74.00	-40.14	Average
8	11065.320	37.70	8.16	45.86	74.00	-28.14	Peak
9	14112.970	34.56	12.73	47.29	74.00	-26.71	Average
10	14112.970	22.56	12.73	35.29	74.00	-38.71	Peak
11	17385.170	22.99	14.07	37.06	74.00	-36.94	Average
12	17385.170	34.99	14.07	49.06	74.00	-24.94	Peak

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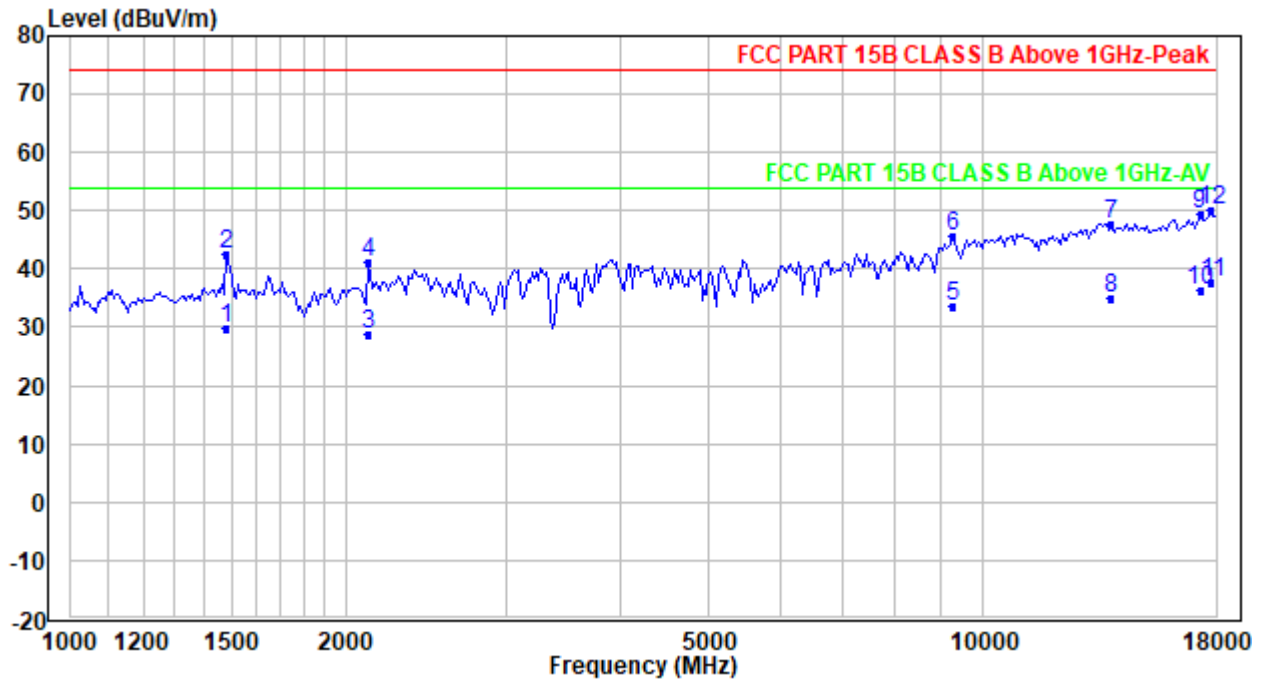
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Above 1GHz (Peak & Average)
Test Mode 7
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1482.720	42.08	-12.27	29.81	74.00	-44.19	Average
2	1482.720	54.75	-12.27	42.48	74.00	-31.52	Peak
3	2123.366	38.69	-9.76	28.93	74.00	-45.07	Average
4	2123.366	50.97	-9.76	41.21	74.00	-32.79	Peak
5	9246.582	27.90	5.69	33.59	74.00	-40.41	Average
6	9246.582	40.08	5.69	45.77	74.00	-28.23	Peak
7	13789.740	35.11	12.70	47.81	74.00	-26.19	Peak
8	13789.740	22.23	12.70	34.93	74.00	-39.07	Average
9	17284.770	35.61	13.78	49.39	74.00	-24.61	Peak
10	17284.770	22.72	13.78	36.50	74.00	-37.50	Average
11	17792.680	22.08	15.57	37.65	74.00	-36.35	Average
12	17792.680	34.65	15.57	50.22	74.00	-23.78	Peak

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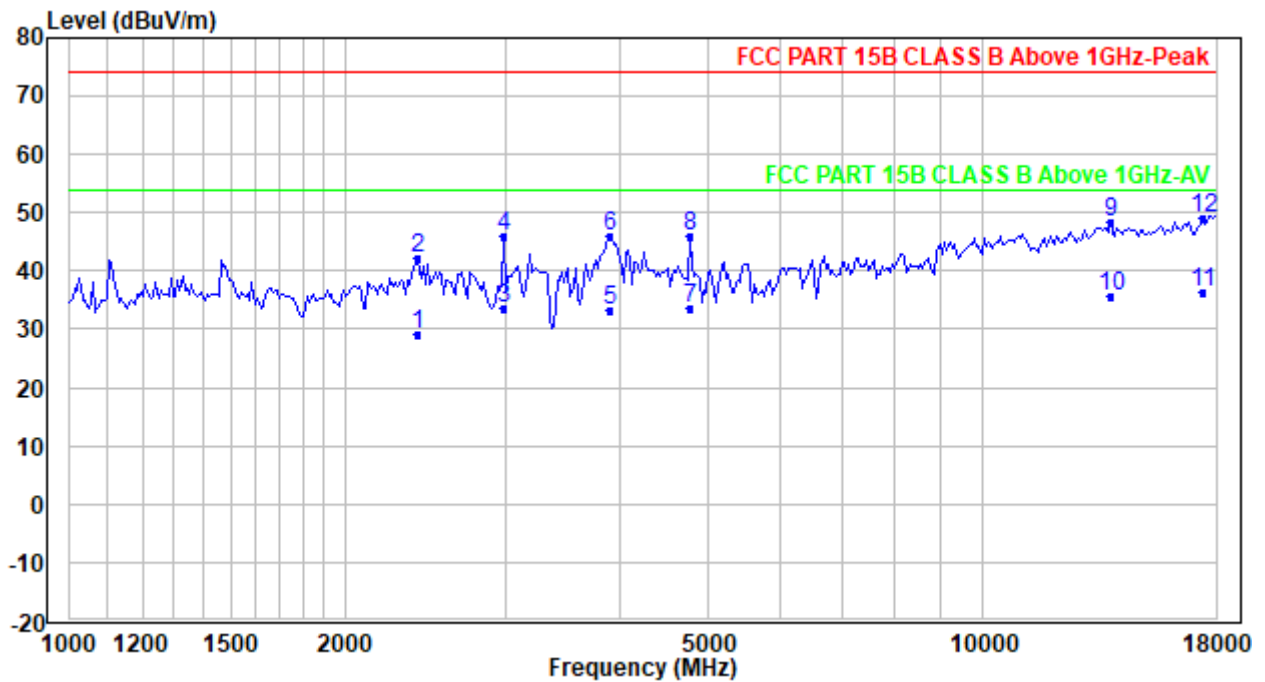
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Vertical



Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit
4. All possible modes of operation were investigated, and testing at two nominal voltages of 240V~50Hz and 120V~60Hz, only the worst case emissions reported.
5. For Radiated Emission above 18GHz, there was not any unwanted emission detected.

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Fax: +86-755-28230886

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6.2 CONDUCTED EMISSION

Test Requirement: FCC 47 CFR Part 15.107

Test Method: ANSI C63.4-2014

Limits:

Limits for Class B devices

Frequency range (MHz)	Limits (dB(μV))	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Remark:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Setup: Refer to section 4.3.2 for details.

Test Procedures:

- 1) 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).
- 2) 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.
- 3) For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

Equipment Used: Refer to section 3 for details.

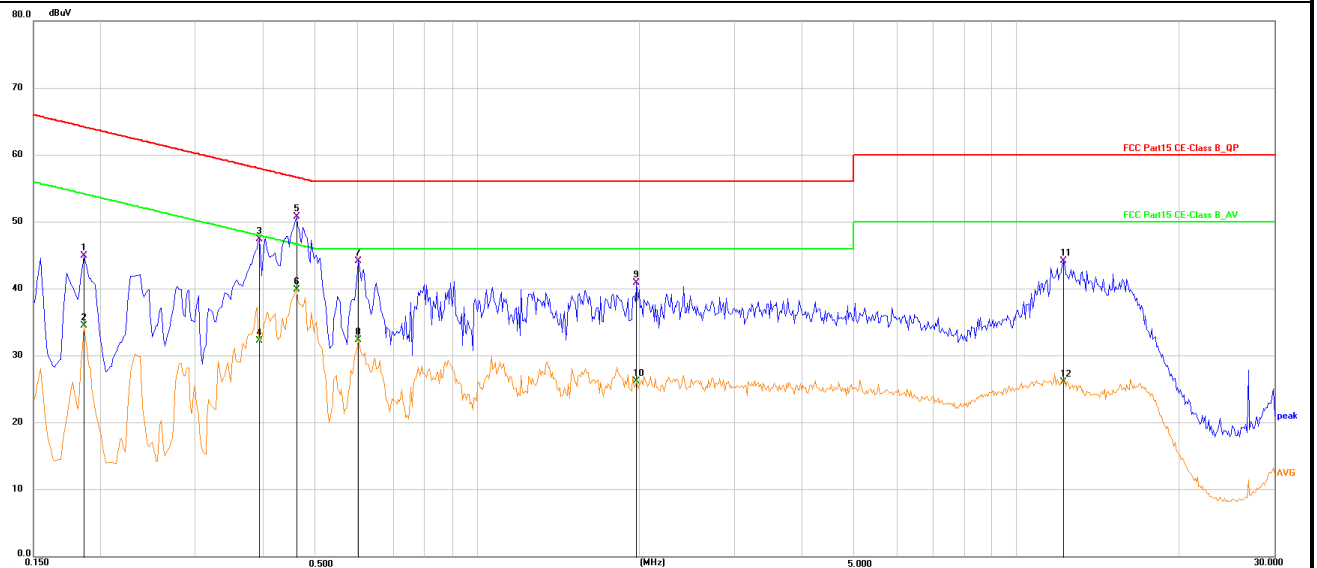
Test Result: Pass

The worst measurement data as follows:

Quasi Peak and Average:

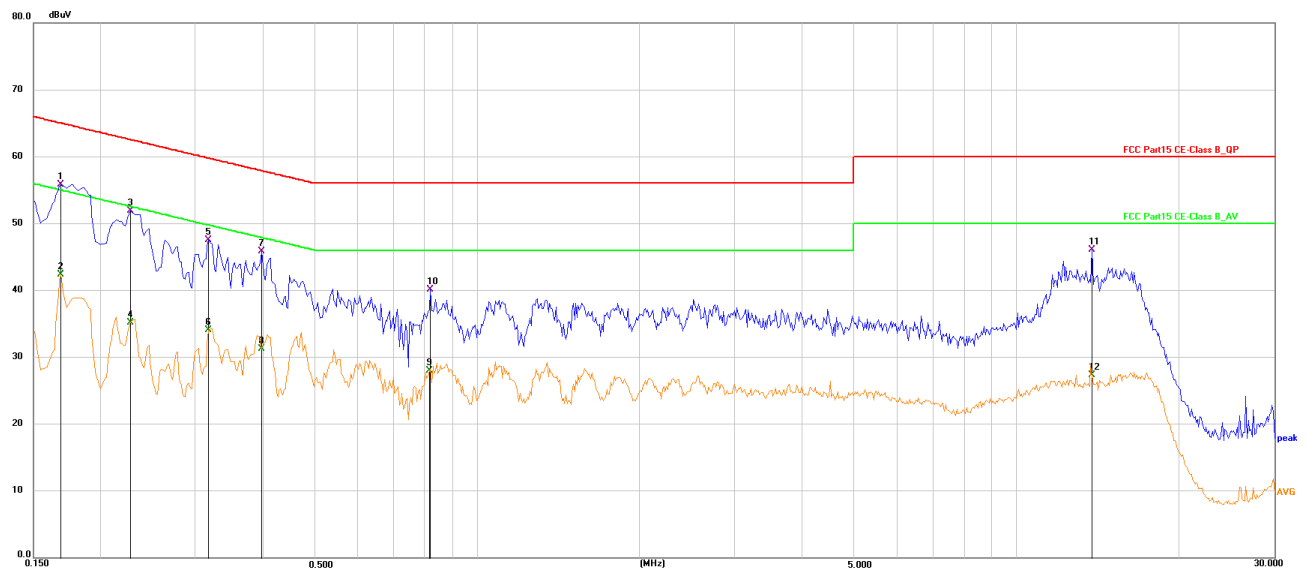
Test Mode 3

Live Line



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	34.84	10.08	44.92	64.21	-19.29	QP
2	0.1860	24.39	10.08	34.47	54.21	-19.74	AVG
3	0.3930	37.21	10.19	47.40	58.00	-10.60	QP
4	0.3930	22.11	10.19	32.30	48.00	-15.70	AVG
5	0.4605	40.57	10.24	50.81	56.68	-5.87	QP
6	0.4605	29.66	10.24	39.90	46.68	-6.78	AVG
7	0.6000	33.94	10.26	44.20	56.00	-11.80	QP
8	0.6000	22.13	10.26	32.39	46.00	-13.61	AVG
9	1.9770	30.61	10.33	40.94	56.00	-15.06	QP
10	1.9770	15.87	10.33	26.20	46.00	-19.80	AVG
11	12.2145	33.65	10.51	44.16	60.00	-15.84	QP
12	12.2145	15.53	10.51	26.04	50.00	-23.96	AVG

Neutral Line



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1680	45.66	10.15	55.81	65.06	-9.25	QP
2	0.1680	32.19	10.15	42.34	55.06	-12.72	AVG
3	0.2265	41.87	10.06	51.93	62.58	-10.65	QP
4	0.2265	25.17	10.06	35.23	52.58	-17.35	AVG
5	0.3165	37.41	10.12	47.53	59.80	-12.27	QP
6	0.3165	23.95	10.12	34.07	49.80	-15.73	AVG
7	0.3975	35.59	10.19	45.78	57.91	-12.13	QP
8	0.3975	21.11	10.19	31.30	47.91	-16.61	AVG
9	0.8160	17.72	10.22	27.94	46.00	-18.06	AVG
10	0.8205	29.91	10.22	40.13	56.00	-15.87	QP
11	13.7714	35.47	10.58	46.05	60.00	-13.95	QP
12	13.7714	16.77	10.58	27.35	50.00	-22.65	AVG

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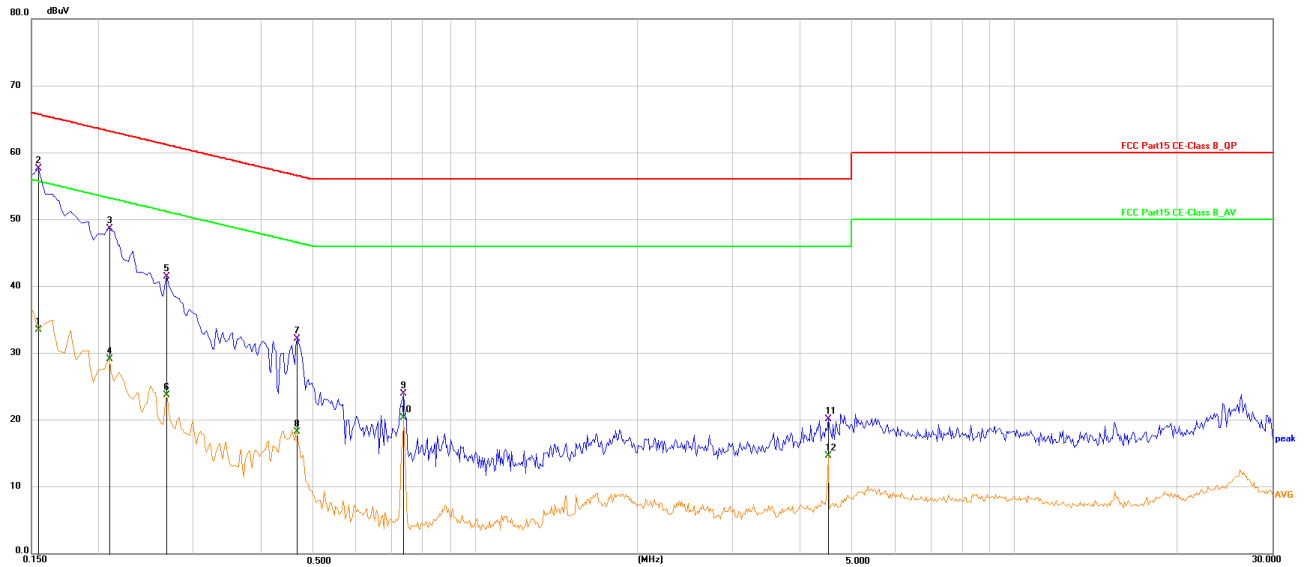
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Quasi Peak and Average: Test Mode 6

Live Line



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1544	23.25	10.20	33.45	55.76	-22.31	AVG
2	0.1545	47.39	10.20	57.59	65.75	-8.16	QP
3	0.2085	38.46	10.16	48.62	63.26	-14.64	QP
4	0.2085	18.95	10.16	29.11	53.26	-24.15	AVG
5	0.2670	31.22	10.20	41.42	61.21	-19.79	QP
6	0.2670	13.55	10.20	23.75	51.21	-27.46	AVG
7	0.4650	21.92	10.18	32.10	56.60	-24.50	QP
8	0.4650	8.10	10.18	18.28	46.60	-28.32	AVG
9	0.7350	13.68	10.22	23.90	56.00	-32.10	QP
10	0.7350	10.16	10.22	20.38	46.00	-25.62	AVG
11	4.5015	9.93	10.23	20.16	56.00	-35.84	QP
12	4.5015	4.40	10.23	14.63	46.00	-31.37	AVG

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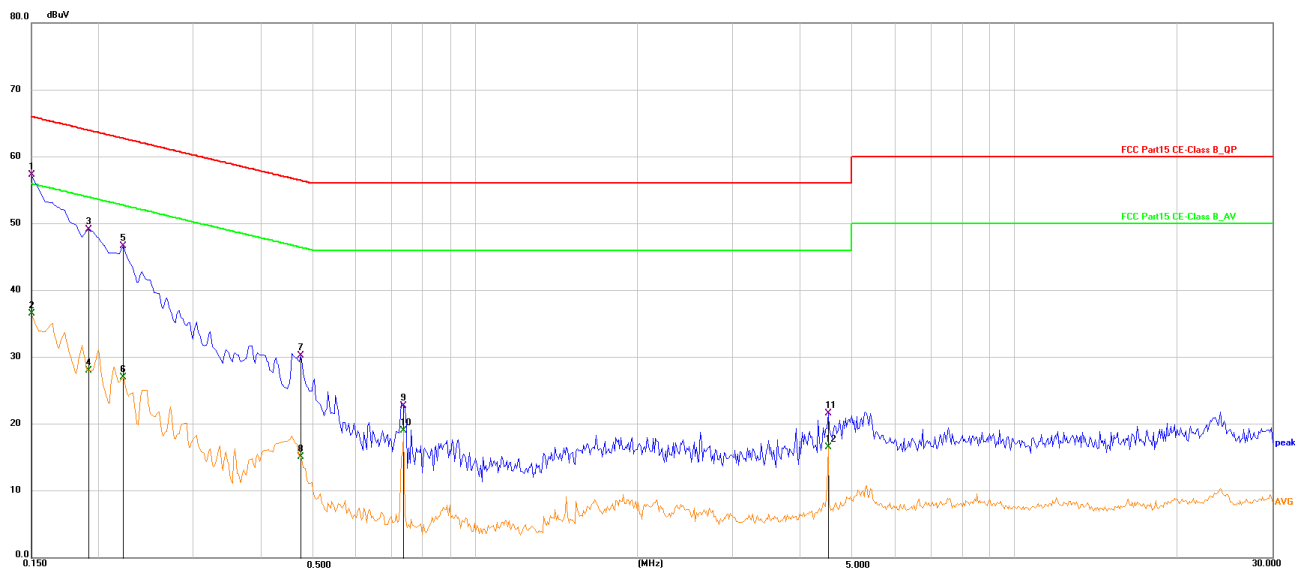
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Neutral Line



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	47.08	10.19	57.27	66.00	-8.73	QP
2	0.1500	26.36	10.19	36.55	56.00	-19.45	AVG
3	0.1905	38.98	10.07	49.05	64.01	-14.96	QP
4	0.1905	17.88	10.07	27.95	54.01	-26.06	AVG
5	0.2220	36.52	10.06	46.58	62.74	-16.16	QP
6	0.2220	16.95	10.06	27.01	52.74	-25.73	AVG
7	0.4740	20.03	10.26	30.29	56.44	-26.15	QP
8	0.4740	4.79	10.26	15.05	46.44	-31.39	AVG
9	0.7350	12.49	10.24	22.73	56.00	-33.27	QP
10	0.7350	8.81	10.24	19.05	46.00	-26.95	AVG
11	4.5015	11.36	10.27	21.63	56.00	-34.37	QP
12	4.5015	6.26	10.27	16.53	46.00	-29.47	AVG

Remark:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit
4. An initial pre-scan was performed on the Phase and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.
5. All possible modes of operation were investigated, and testing at two nominal voltages of 240V~50Hz and 120V~60Hz, only the worst case emissions reported.

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Tel: +86-755-28230888

Fax: +86-755-28230886

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APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

***** End of Report *****

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