FCC REPORT

Applicant:	Shenzhen Digitalor Technology Co., Ltd
Address of Applicant:	Room 305-2, Shenzhen IC Design & Application Industrial Park, No.1089, Chaguang Rd, Nanshan District, Shenzhen, Guangdong,China
Equipment Under Test (EUT)	
Product Name:	U-WEI Assets Intelligent Management Module
Model No.:	UR2100MT-POE
Trade Mark:	Digitalor
FCC ID:	2AOFJUR2100MT-POE
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.225
Date of sample receipt:	05 Dec., 2017
Date of Test:	06 Dec., 2017 to 15 Jun., 2018
Date of report issue:	19 Jun., 2018
Test Result:	PASS*

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

Authorized Signature:

Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of theCCISproduct certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	*19 Jun., 2018*	*Original*

Tested by: Zora Lee ***Date:*** *19 Jun., 2018*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *19 Jun., 2018*

Project Engineer

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
Field strength of the fundamental signal	15.225 (a)	Pass
Spurious emissions	15.225(d)& 15.209	Pass
20dB Bandwidth	15.215(c)	Pass
Frequency tolerance	15.225 (e)	Pass
Conducted Emission	15.207	Pass

Remarks:

Pass: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Shenzhen Digitalor Technology Co., Ltd
Address:	Room 305-2, Shenzhen IC Design & Application Industrial Park, No.1089, Chaguang Rd, Nanshan District, Shenzhen, Guangdong,China
Manufacturer/ Factory:	Shenzhen Digitalor Technology Co., Ltd
Address:	Room 305-2, Shenzhen IC Design & Application Industrial Park, No.1089, Chaguang Rd, Nanshan District, Shenzhen, Guangdong，China

5.2 General Description of E.U.T.

Product Name:	U-WEI Assets Intelligent Management Module
Model No.:	UR2100MT-POE
Operation Frequency:	13.56MHz
Channel numbers:	1
Modulation type:	ASK
Antenna Type:	PCB Antenna
Antenna gain:	1dBi
Power supply:	DC 48V

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with modulation

Pre-Test Mode:

CCIS has verified the construction and function in typical operation,The EUT was placed on three different polar directions;i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	47.46	46.58	46.32

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup”: Y axis (see the test setup photo).

5.4 Description of Support Units

N/A

5.5 Laboratory Facility

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

- **FCC - Registration No.: 727551**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

- **IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao’an District, Shenzhen, Guangdong, China
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.7 Test Instrumentslist

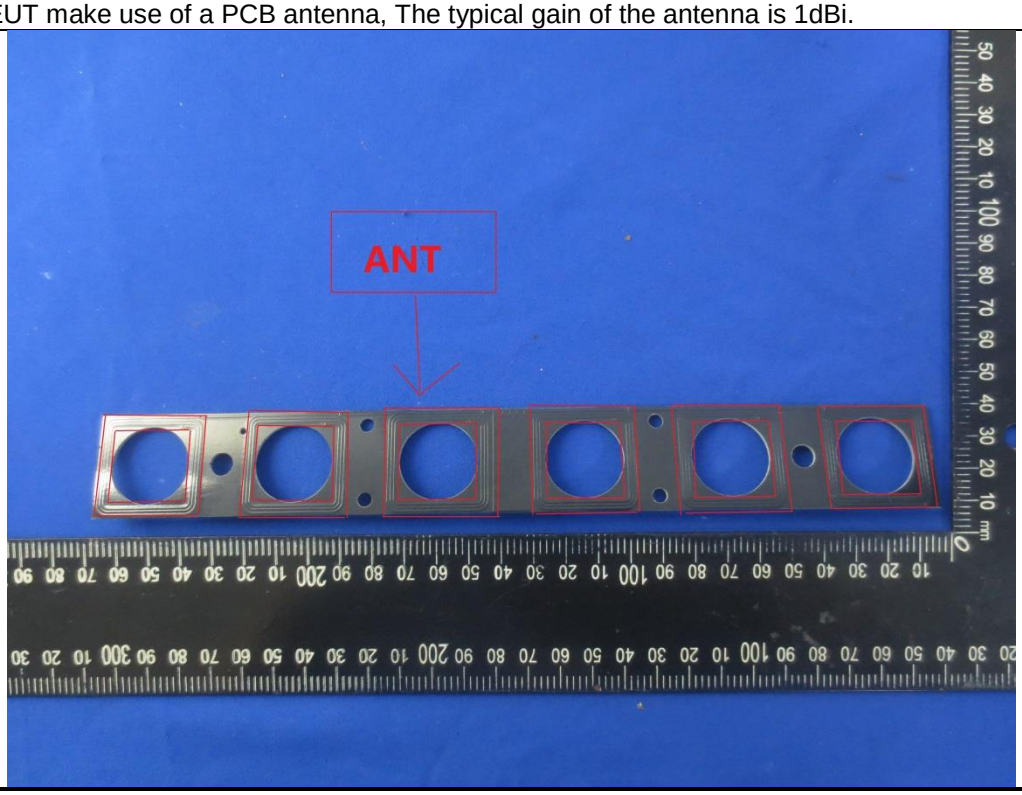
Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
1	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
2	Loop Antenna	SCHWARZBECK	FMZB 1519 B	CCIS0188	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
4	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
5	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
6	Spectrum analyzer	Rohde & Schwarz	FSP30	CCIS0023	02-25-2017	02-24-2018
					02-25-2018	02-24-2019

Conducted Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Date (mm-dd-yy)**
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	07-22-2017	07-21-2020
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
3	LISN	CHASE	MN2050D	CCIS0074	02-25-2017	02-24-2018
					02-25-2018	02-24-2019
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

6 Test results andMeasurement Data

6.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: 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, 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.	
E.U.T Antenna:	
The EUT make use of a PCB antenna, The typical gain of the antenna is 1dBi.	



6.2 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.225(a) and 15.209
Test Method:	ANSI C63.10: 2013
TestFrequencyRange:	9 kHz to 1000MHz
Test site:	Measurement Distance: 3m(Semi-Anechoic Chamber)

Receiver setup:

Frequency	Detector	RBW	VBW	Remark
9kHz-150kHz	Quasi-peak	200Hz	600Hz	Quasi-peak Value
150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
30MHz-1GHz	Quasi-peak	120kHz	300KHz	Quasi-peak Value
Above 1GHz	Peak	1MHz	3MHz	Peak Value

Limit:
(Field strength of the fundamental signal)

Frequency	Limit (uV/m @30m)	Limit (dBuV/m @3m)
13.553MHz-13.567MHz	15848	124.0
13.410MHz-13.553MHz & 13.567MHz-13.710MHz	334	90.5
13.110MHz-13.410MHz & 13.710MHz-14.010MHz	106	80.5

Remark: Per FCC part 15.31, when performingmeasurements at a closer distancethan specified, the results shallbe extrapolated to the specified distanceby either making measurementsat a minimum of two distances on atleast one radial to determine the properextrapolation factor or by using thesquare of an inverse linear distance extrapolationfactor (40 dB/decade).

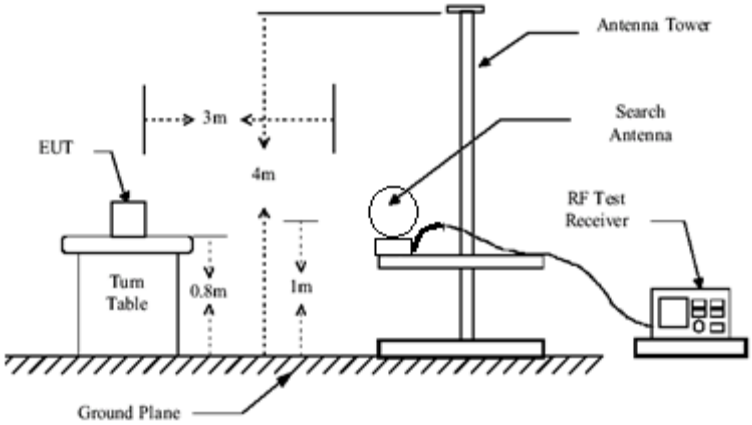
Limit:
(Spurious Emissions)

Frequency (MHz)	Limit (uV/m @3m)	Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 1GHz	500	3

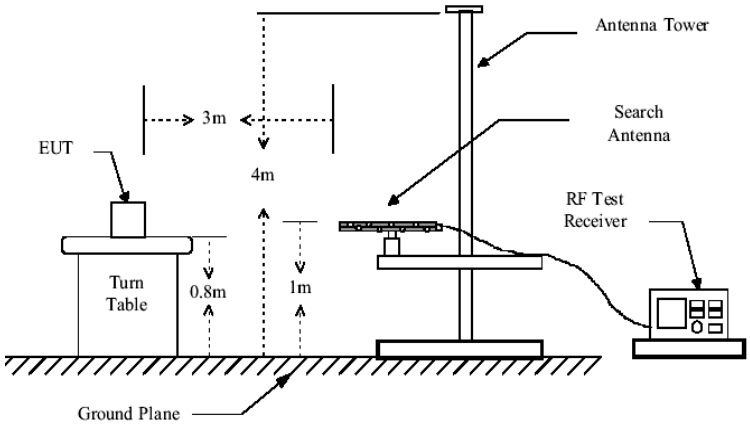
Test Procedure:

a. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter semi-anechoic camber. The table was rotated 360 degrees todetermine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, whichwas 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 thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatabletable 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 SpecifiedBandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.

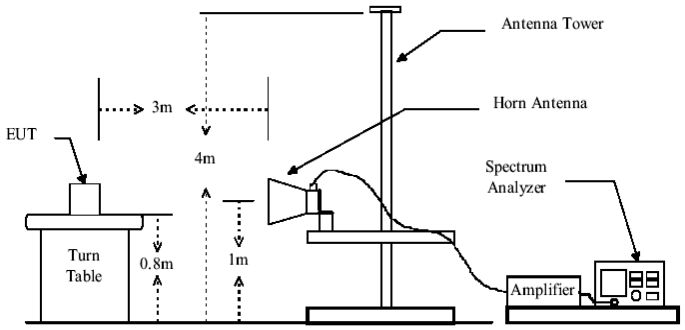
Test setup: 9kHz-30MHz



30MHz-1GHz



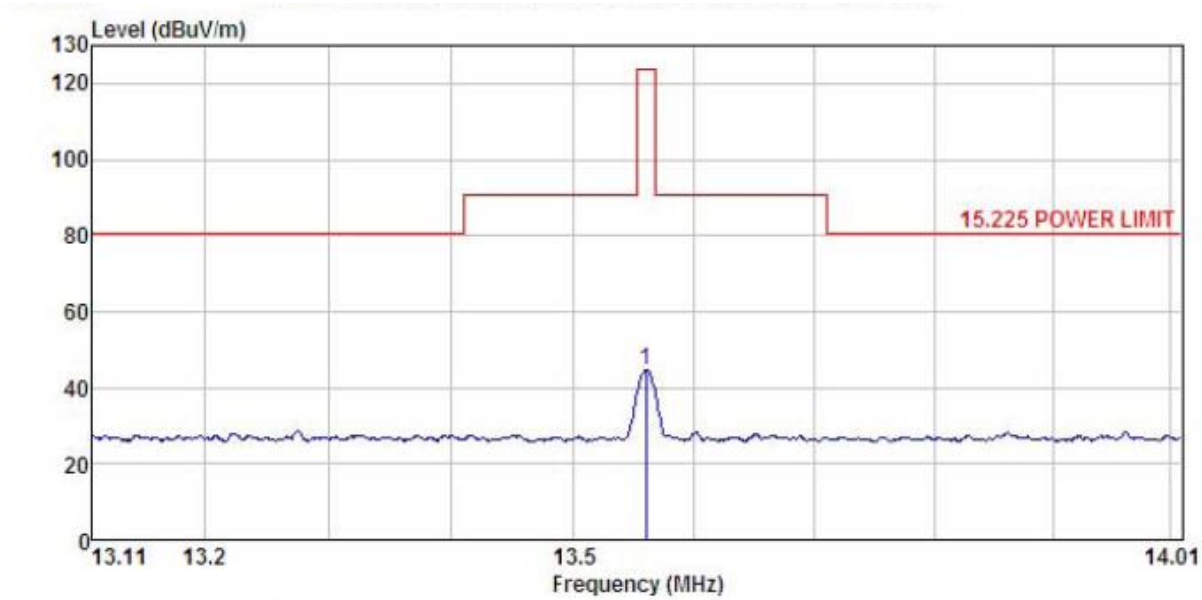
Above 1GHz



Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Measurement Record:	Uncertainty:±4.88 dB
Test results:	Pass

Measurement Data:

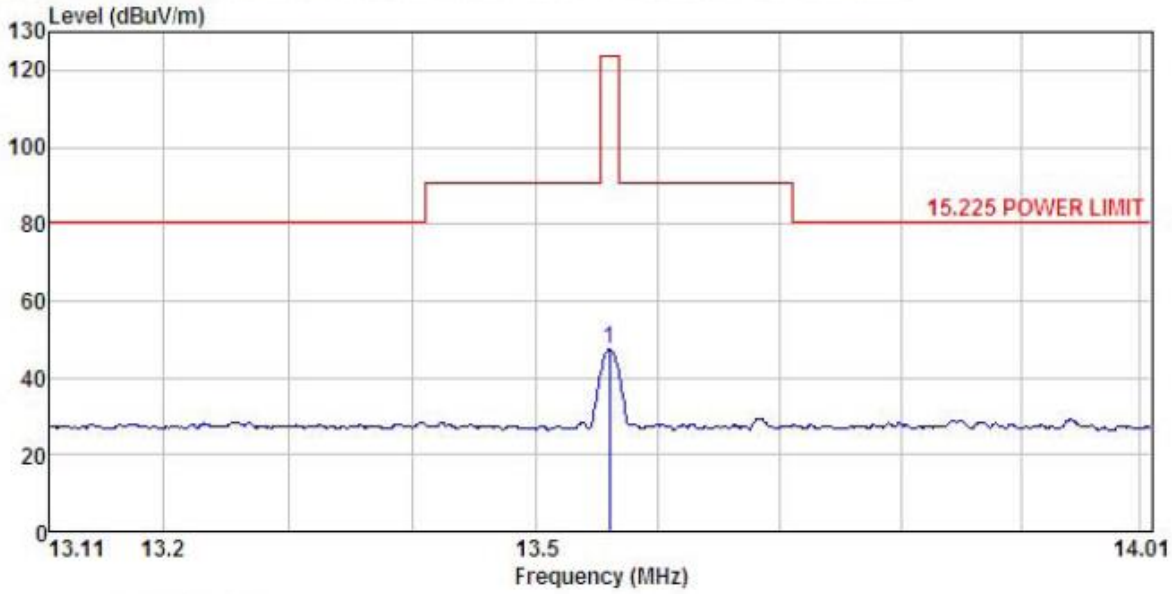
Field Strength Of The Fundamental Signal
Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : 15.225 POWER LIMIT 3m LOOP-FMZB 1519B VERTICAL
EUT           : U-WEI Assets Intelligent Management Modu
Model         : UR2100MT-POE
Test mode     : Power mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5℃  Huni:55%
Test Engineer: Zora
REMARK        :
                 ReadAntenna  Cable Preamp         Limit   Over
          Freq  Level Factor   Loss Factor  Level   Line  Limit Remark
       --------- ------ ------ ------ ------ ------ ------ ------ ----------
             MHz   dBuV   dB/m     dB     dB dBuV/m dBuV/m     dB

  1     13.560  24.58  19.42   0.64   0.00  44.64 124.00 -79.36
```

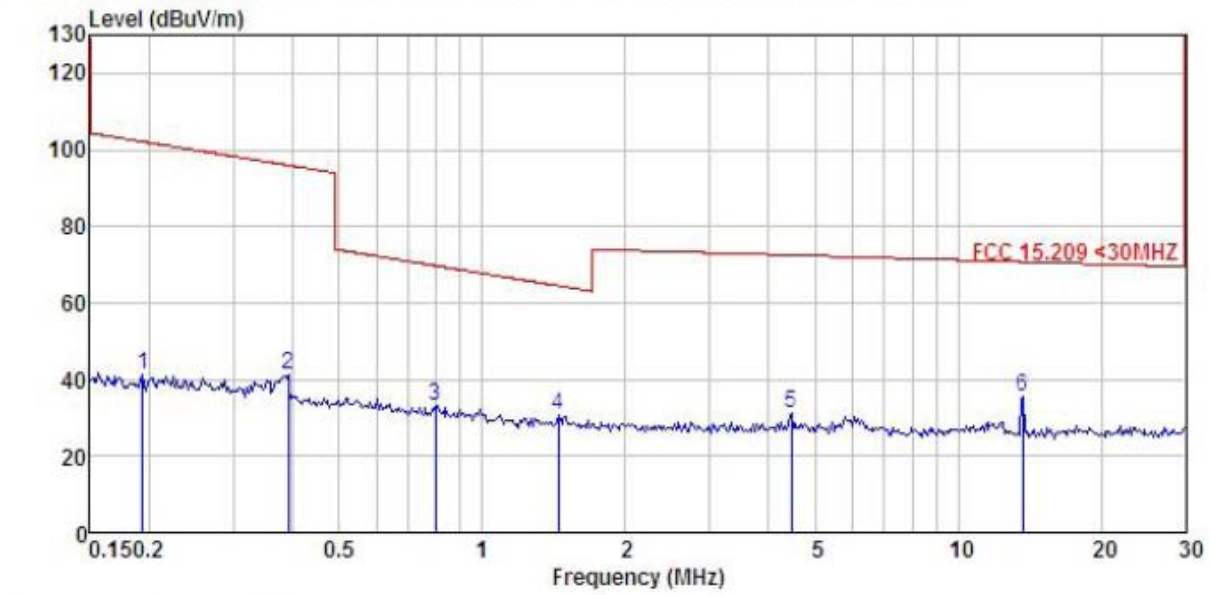
Test Polarization: Vertical



Site : 3m chamber
Condition : 15.225 POWER LIMIT 3m LOOP-FMZB 1519B HORIZONTAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test mode : Power mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Zora
REMARK :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.560	27.40	19.42	0.64	0.00	47.46	124.00	-76.54	

Spurious Emissions
Test frequency range: 150kHz-30MHz
Test Polarization: Horizontal



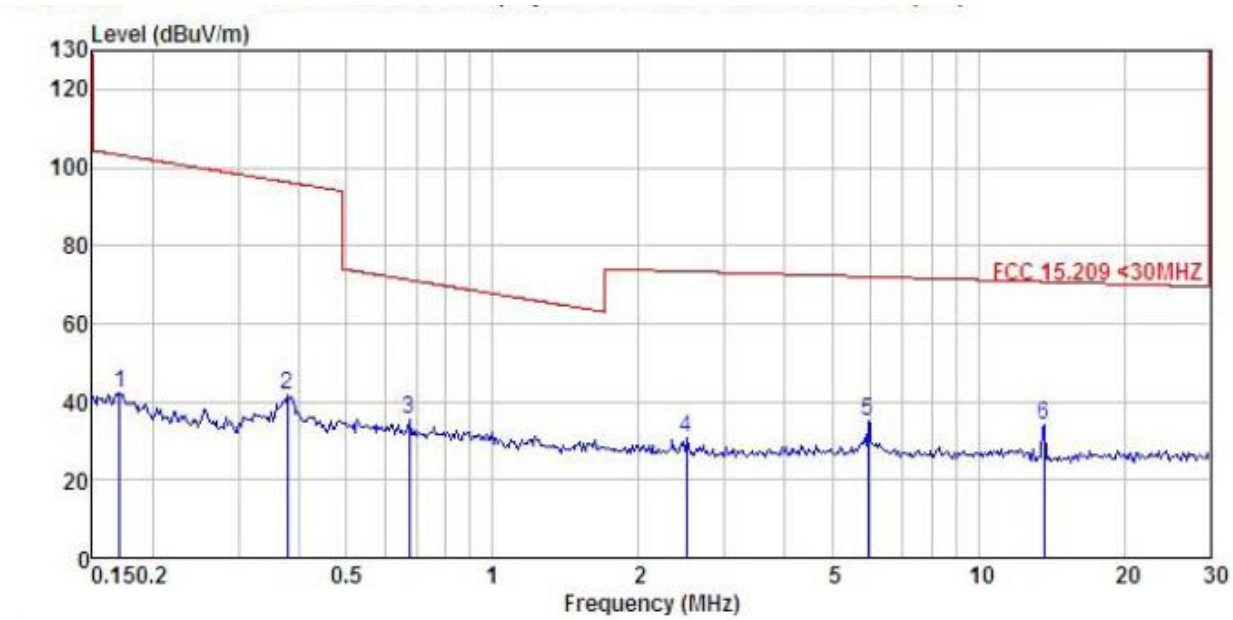
Site : 3m chamber
Condition : FCC 15.209 <30MHZ 3m LOOP-FMZB 1519B HORIZONTAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test mode : Woking mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Zora
REMARK :

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.193	67.20	-26.19	0.32	0.00	41.33	102.15	-60.82	QP
2	0.391	67.00	-26.27	0.37	0.00	41.10	95.97	-54.87	QP
3	0.799	58.80	-26.30	0.59	0.00	33.09	69.69	-36.60	QP
4	1.444	56.29	-26.41	0.63	0.00	30.51	64.47	-33.96	QP
5	4.459	57.05	-26.59	0.62	0.00	31.08	72.49	-41.41	QP
6	13.658	61.17	-26.48	0.64	0.00	35.33	70.73	-35.40	QP

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.*

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC 15.209 <30MHZ 3m LOOP-FMZB 1519B VERTICAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test mode : Woking mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Zora
REMARK :

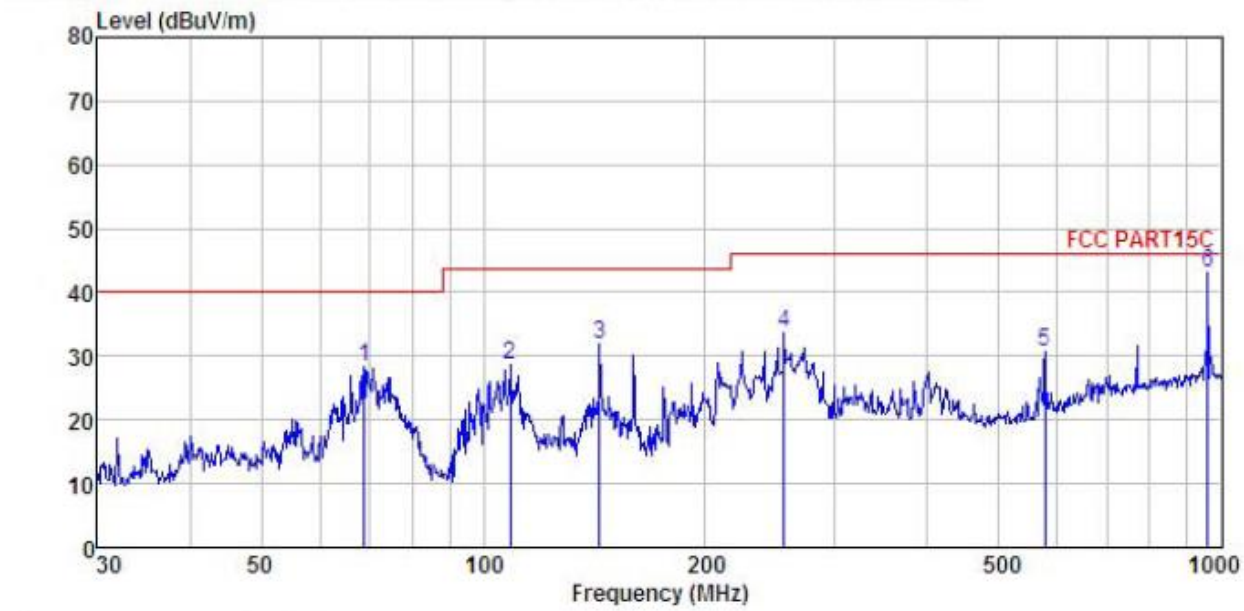
	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.171	68.26	-26.18	0.30	0.00	42.38	103.22	-60.84	QP
2	0.379	67.47	-26.27	0.37	0.00	41.57	96.26	-54.69	QP
3	0.674	61.48	-26.30	0.55	0.00	35.73	71.19	-35.46	QP
4	2.507	56.66	-26.52	0.65	0.00	30.79	73.40	-42.61	QP
5	5.923	61.09	-26.55	0.52	0.00	35.06	72.05	-36.99	QP
6	13.658	59.69	-26.48	0.64	0.00	33.85	70.73	-36.88	QP

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.*

Test frequency range: 30MHz-1000MHz

Test Polarization: Horizontal



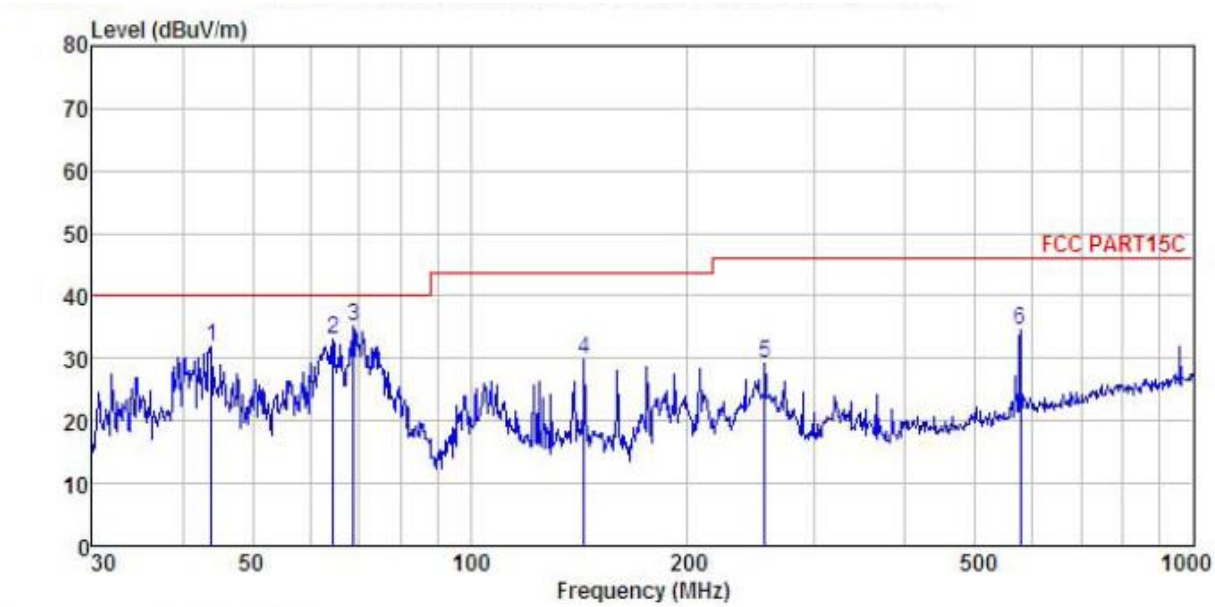
Site : 3m chamber
Condition : FCC PART15C 3m VULB9163(30M2G) HORIZONTAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test mode : Woking mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Zora
REMARK :

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	68.872	47.23	9.45	1.49	29.73	28.44	40.00	-11.56	QP
2	108.647	43.71	12.22	2.03	29.47	28.49	43.60	-15.11	QP
3	143.830	50.44	8.30	2.44	29.25	31.93	43.60	-11.67	QP
4	255.623	45.97	13.34	2.82	28.53	33.60	46.00	-12.40	QP
5	576.644	37.23	18.65	3.92	29.01	30.79	46.00	-15.21	QP
6	958.794	44.06	22.47	4.26	27.67	43.12	46.00	-2.88	QP

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test Polarization: Vertical



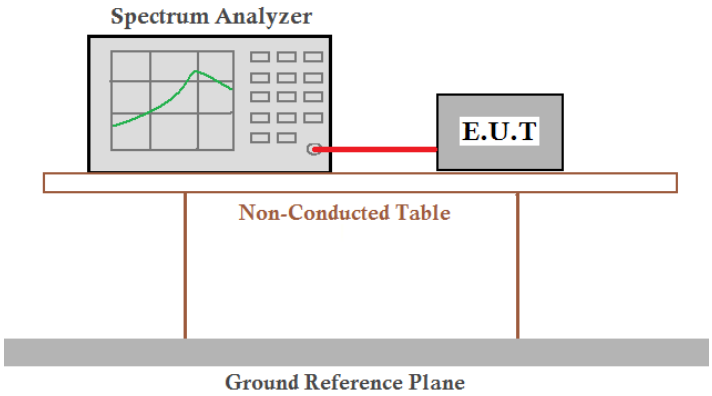
Site : 3m chamber
Condition : FCC PART15C 3m VULB9163(30M2G) VERTICAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test mode : Woking mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: Zora
REMARK :

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	43.812	46.98	13.50	1.26	29.87	31.87	40.00	-8.13	QP
2	64.659	50.53	10.80	1.38	29.76	32.95	40.00	-7.05	QP
3	68.872	53.97	9.45	1.49	29.73	35.18	40.00	-4.82	QP
4	143.830	48.35	8.30	2.44	29.25	29.84	43.60	-13.76	QP
5	255.623	41.58	13.34	2.82	28.53	29.21	46.00	-16.79	QP
6	576.644	40.84	18.65	3.92	29.01	34.40	46.00	-11.60	QP

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

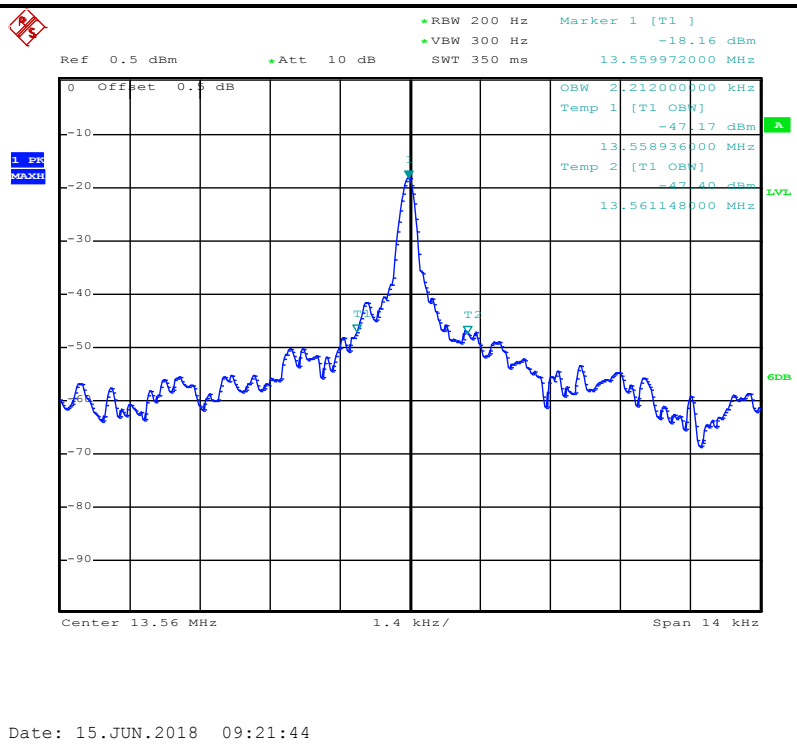
6.3 20dB Bandwidth

Test Requirement:	FCC Part15 C Section 15.215 (c)
Test Method:	ANSI C63.4:2014
Receiver setup:	RBW=200Hz, VBW=300Hz, detector: Peak
Limit:	The fundamental emission be kept within atleast the central 80% of the permitted band
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. 4. Read 20dB bandwidth.
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data

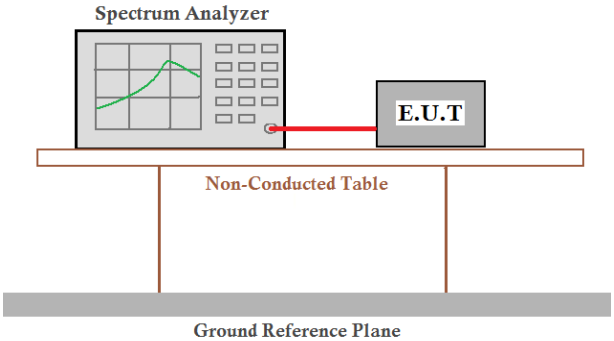
20dB bandwidth (kHz)	Limit (kHz)	Results
2.212	11.2	Passed
Note: For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.		

Test plot as follows:



Date: 15.JUN.2018 09:21:44

6.4 Frequency Tolerance

Test Requirement:	FCC Part15 C Section 15.225 (e)
Test Method:	ANSI C63.10: 2013
Receiver setup:	RBW=200Hz, VBW=300Hz, span=14kHz, detector: Peak
Limit:	±0.01% of the operating frequency
Test mode:	Transmitting mode
Test Procedure:	**Frequency stability V.S. Temperature measurement** **1.** The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached **Frequency stability V.S. Voltage measurement** 1. Set chamber temperature to 25℃. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation (+/-15%) and endpoint, record the maximum frequency change.
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

a) Frequency stability V.S. Temperature measurement

Voltage (Vdc)	Temperature (℃)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)
48	-20	13.559972	0.00021	±0.01
	-10	13.559970	0.00022	±0.01
	0	13.559974	0.00019	±0.01
	10	13.559972	0.00021	±0.01
	20	13.559972	0.00021	±0.01
	30	13.559970	0.00022	±0.01
	40	13.559976	0.00018	±0.01
	50	13.559976	0.00018	±0.01

b) Frequency stability V.S. Voltage measurement

Temperature (℃)	Voltage (Vdc)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)
25	40.8	13.559972	0.00021	±0.01
	48.0	13.559976	0.00018	±0.01
	55.2	13.559974	0.00019	±0.01

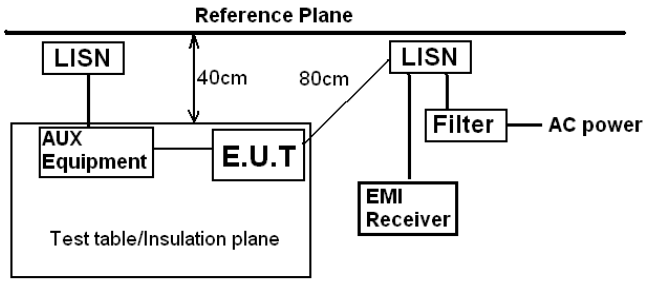
6.5 Conducted Emission

Test Requirement:	FCC Part15 B Section 15.207
Test Method:	ANSI C63.4:2014
TestFrequencyRange:	150kHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9kHz, VBW=30kHz
Limit:	

Frequency range (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
0.5-30	60	50

* Decreases with the logarithm of the frequency.

Test setup:



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m

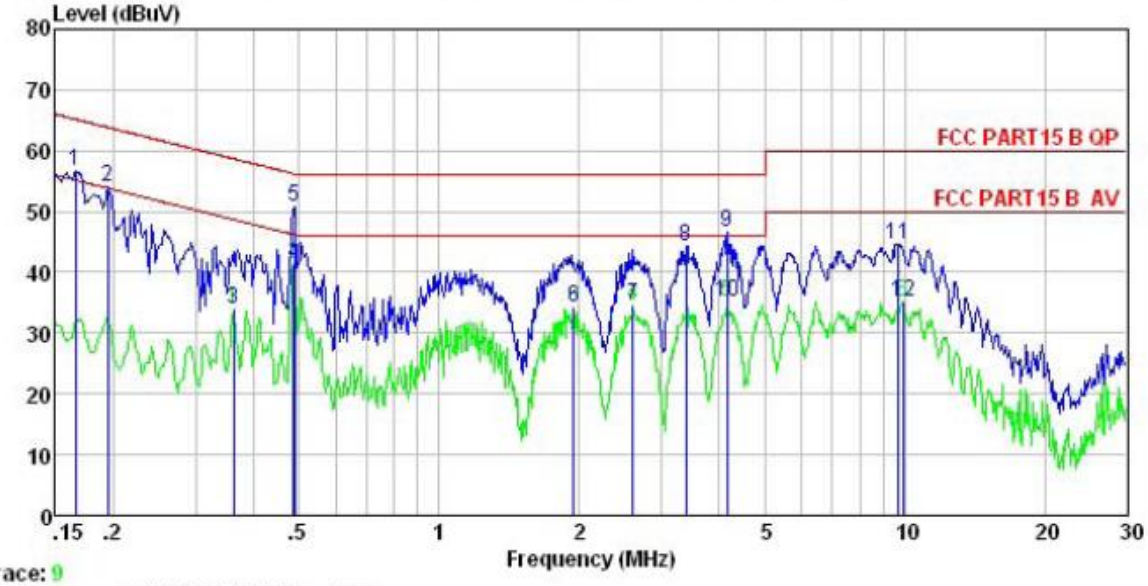
Test procedure

1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.).It provide 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 C63.4: 2003 on conducted measurement.

Test environment:	Temp.:	23°C	Humid.:	56%	Press.:	101kPa
Measurement Record:	Uncertainty: 3.28dB					
Test Instruments:	Refer to section 5.7 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Pass					

Measurement Data:

Test Phase: Line



Trace: 9

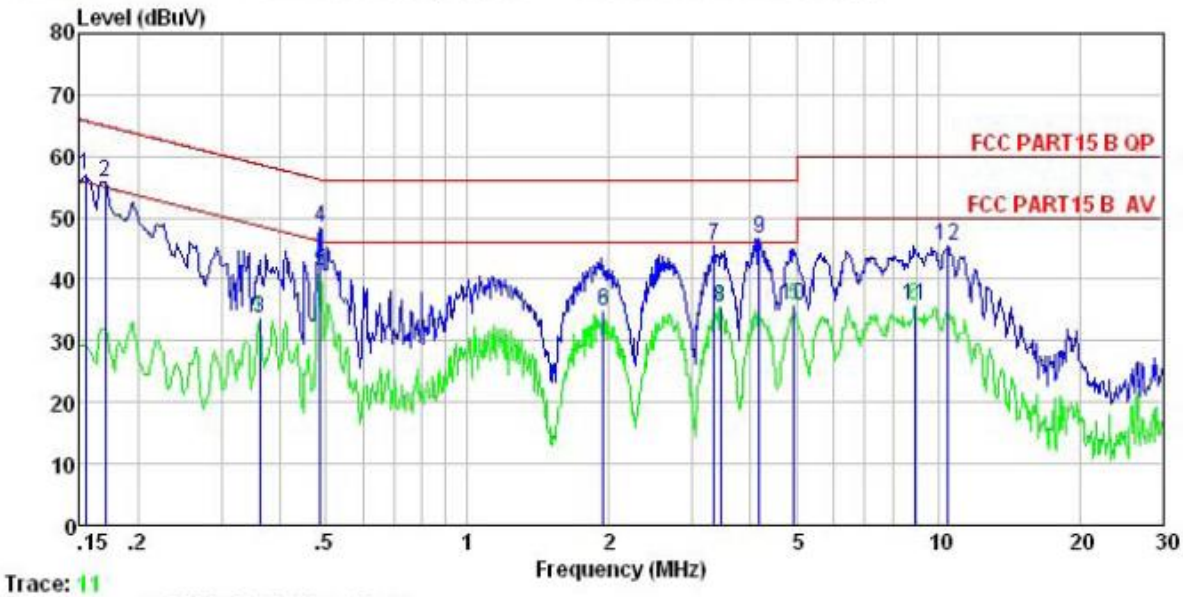
```
Site          : CCIS Shielding Room
Condition     : FCC PART15 B QP LISN LINE
EUT           : U-WEI Assets Intelligent Management Modu
Model         : UR2100MT-POE
Test Mode     : Woking mode
Power Rating  : AC 120V/60Hz
Environment   : Temp: 23 'C Huni:56%  Atmos:101KPa
Test Engineer: Zora
Remark        :
```

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.166	46.37	-0.55	10.77	56.59	65.16	-8.57	QP
2	0.194	43.84	-0.52	10.76	54.08	63.84	-9.76	QP
3	0.361	23.70	-0.50	10.73	33.93	48.69	-14.76	Average
4	0.486	30.98	-0.49	10.76	41.25	46.23	-4.98	Average
5	0.489	40.58	-0.49	10.76	50.85	56.19	-5.34	QP
6	1.949	23.58	-0.43	10.96	34.11	46.00	-11.89	Average
7	2.608	23.92	-0.44	10.93	34.41	46.00	-11.59	Average
8	3.381	33.80	-0.38	10.91	44.33	56.00	-11.67	QP
9	4.158	35.93	-0.28	10.88	46.53	56.00	-9.47	QP
10	4.158	24.45	-0.28	10.88	35.05	46.00	-10.95	Average
11	9.654	33.69	0.11	10.92	44.72	60.00	-15.28	QP
12	9.913	23.97	0.11	10.93	35.01	50.00	-14.99	Average

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.*

Test Phase: Neutral



Trace: 11

Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN NEUTRAL
EUT : U-WEI Assets Intelligent Management Modu
Model : UR2100MT-POE
Test Mode : Woking mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: Zora
Remark :

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.154	46.56	-0.38	10.78	56.96	65.78	-8.82	QP
2	0.170	45.52	-0.36	10.77	55.93	64.94	-9.01	QP
3	0.361	23.35	-0.32	10.73	33.76	48.69	-14.93	Average
4	0.486	37.90	-0.30	10.76	48.36	56.23	-7.87	QP
5	0.486	30.77	-0.30	10.76	41.23	46.23	-5.00	Average
6	1.949	24.06	-0.26	10.96	34.76	46.00	-11.24	Average
7	3.346	34.67	-0.20	10.91	45.38	56.00	-10.62	QP
8	3.454	24.83	-0.20	10.91	35.54	46.00	-10.46	Average
9	4.180	36.04	-0.21	10.88	46.71	56.00	-9.29	QP
10	4.952	25.07	-0.21	10.85	35.71	46.00	-10.29	Average
11	8.916	24.42	0.27	10.89	35.58	50.00	-14.42	Average
12	10.508	34.36	0.24	10.94	45.54	60.00	-14.46	QP

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.*