



FCC Verification Test Report

According to

**47 CFR, Part 2, Part 15, CISPR PUB. 22,
ICES 003 Issue 6**

Applicant : ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD.

Address : No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

Equipment : HD Intelligent Traffic Camera

Model No. : ITC206-RF1A-IR;DHI-ITC206-RF1A-IR;ITC302-RF1A-IR;
DHI-ITC302-RF1A-IR;ITC502-RF1A-IR;DHI-ITC502-RF1A-IR;
ITC602-RF1A-IR;DHI-ITC602-RF1A-IR;ITC802-RF1A-IR;
DHI-ITC802-RF1A-IR;ITC1202-RF1A-IR;DHI-ITC1202-RF1A-IR;
ITC206-RF1A;DHI-ITC206-RF1A;ITC302-RF1A;DHI-ITC302-RF1A;
ITC502-RF1A;DHI-ITC502-RF1A;ITC602-RF1A;DHI-ITC602-RF1A;
ITC802-RF1A;DHI-ITC802-RF1A;ITC1202-RF1A;DHI-ITC1202-RF1A;
ITC235-RF1A;DHI-ITC235-RF1A;ITC235-RF1A-J;DHI-ITC235-RF1A-J;
DHI-ITC235-TF1A;ITC235-TF1A;DHI-ITC235-TU1A;ITC235-TU1A;
DHI-ITC235-TU1A-H;ITC235-TU1A-H;DHI-ITC235-TU1A-L;
ITC235-TU1A-L;DHI-ITC235-TU1A-HL;ITC235-TU1A-HL

I HEREBY CERTIFY THAT :

The sample was received on Jun. 02, 2015 and the testing was carried out on Jul.04 , 2015 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Miro Chueh

EMC/RF B.U. Manager



FCC TEST REPORT

Issued by:

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The test record, data evaluation & Equipment. Under Test configurations represented herein are true and accurate accounts of the measurements of the samples EMC characteristics under the conditions specified in this report.

Laboratory Accreditation:

☐ Cerpass Technology Corporation Test Laboratory

NVLAP LAB Code:	200954-0
TAF LAB Code:	1439

☒ Cerpass Technology(SuZhou) Co., Ltd.

NVLAP LAB Code:	200814-0
CNAS LAB Code:	L5515



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**History of this test report**☐ ORIGINAL.☒ Additional attachment as following record:

Report No	Version	Date	Description
SEFV1505159	Rev 01	Jul .16, 2015	Initial Issue
SEFV1505159-B	Rev 02	Jul 13, 2016	First Issue(Add model name and update standard)



1. Summary of Test Procedure and Test Result

1.1. Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4 – 2014 and the energy emitted by this equipment was passed Part 2, Part 15, CISPR PUB. 22.

The energy emitted by this equipment was passed both Radiated and Conducted Emissions Class A limits.

Test Item	Normative References	Test Result	Remarks
Conducted Emission (Mains Ports)	ANSI C63.4-2014, FCC Part 15 Subpart B	PASS	Meets Class A Limit Minimum passing margin(AV) is -18.71 dB at 0.5180 MHz
Radiated Emission	ANSI C63.4-2014, FCC Part 15 Subpart B	PASS	Meets Class A Limit Minimum passing margin(QP) is -11.82 dB at 269.5900 MHz



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

First edition:

Product Name:	HD Intelligent Traffic Camera	
Model Name:	DHI-ITC302-RF1A-IR	
Series Model:	ITC206-RF1A-IR;DHI-ITC206-RF1A-IR;ITC302-RF1A-IR; DHI-ITC302-RF1A-IR;ITC502-RF1A-IR;DHI-ITC502-RF1A-IR; ITC602-RF1A-IR;DHI-ITC602-RF1A-IR;ITC802-RF1A-IR; DHI-ITC802-RF1A-IR;ITC1202-RF1A-IR;DHI-ITC1202-RF1A-IR; ITC206-RF1A;DHI-ITC206-RF1A;ITC302-RF1A;DHI-ITC302-RF1A; ITC502-RF1A;DHI-ITC502-RF1A;ITC602-RF1A;DHI-ITC602-RF1A; ITC802-RF1A;DHI-ITC802-RF1A;ITC1202-RF1A;DHI-ITC1202-RF1A; ITC235-RF1A;DHI-ITC235-RF1A;ITC235-RF1A-J;DHI-ITC235-RF1A-J; DHI-ITC235-TF1A;ITC235-TF1A;DHI-ITC235-TU1A;ITC235-TU1A; DHI-ITC235-TU1A-H;ITC235-TU1A-H;DHI-ITC235-TU1A-L; ITC235-TU1A-L;DHI-ITC235-TU1A-HL;ITC235-TU1A-HL	
Model Discrepancy:	These models are similar except for model name , software and market area.	
Adapter	Model No.:	SOY-1200333
	INPUT:	100-240V~ 50/60Hz Max. 1.7A
	OUTPUT:	12V, 3.33A

Original:

Product Name:	HD Intelligent Traffic Camera	
Model Name:	DHI-ITC302-RF1A-IR	
Series Model:	ITC206-RF1A-IR;DHI-ITC206-RF1A-IR;ITC302-RF1A-IR; ITC502-RF1A-IR;DHI-ITC502-RF1A-IR; ITC602-RF1A-IR;DHI-ITC602-RF1A-IR;ITC802-RF1A-IR; DHI-ITC802-RF1A-IR;ITC1202-RF1A-IR;DHI-ITC1202-RF1A-IR; ITC206-RF1A;DHI-ITC206-RF1A;ITC302-RF1A; DHI-ITC302-RF1A;ITC502-RF1A;DHI-ITC502-RF1A; ITC602-RF1A;DHI-ITC602-RF1A;ITC802-RF1A; DHI-ITC802-RF1A;ITC1202-RF1A;DHI-ITC1202-RF1A; ITC235-RF1A;DHI-ITC235-RF1A;ITC235-RF1A-J; DHI-ITC235-RF1A-J;	
Model Discrepancy:	These models are similar except for model name , software and market area.	
Adapter	Model No.:	SOY-1200333
	INPUT:	100-240V~ 50/60Hz Max. 1.7A
	OUTPUT:	12V, 3.33A

Note: Please refer to user manual.



2.2. Test Manner

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system includes remote Monitor, Notebook PC, SD Card and EUT for EMI test.
- c. The test mode of conduction and radiation test as follow:
Test Mode 1: Normal Operation
The "Test Mode 1" was reported as final data.
- d. An executive program, "Ping.exe" under WIN 7 was executed to transmit and receive data to the remote workstation through LAN and Bluetooth.
- e. The maximum operating frequency is above 108MHz, the test frequency range is from 30MHz to 18GHz.

2.3. Description of Support Unit

No	Device	Manufacturer	Model No.	Description
1	Monitor	PTS	PTS-1401C	Non-Shielded,1.8m
2	Notebook PC	SONY	PCG-71811P	Non-Shielded,1.5m (R33021)
3	Notebook PC	DELL	VOSTRO-3560	Non-Shielded,1.5m
4	SD Card	KINGSTON	8GB	N/A

Use Cable:

No	Cable	Quantity	Description
A	BNC Cable	1	Shielded, >3.0m
B	LAN Cable	1	Non-Shielded,>3.0m
C	LAN Cable	1	Non-Shielded,>3.0m
D	USB Cable	2	Shielded,1.5m



2.4. General Information of Test

<input type="checkbox"/>	Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582
	FCC	TW1079, TW1061,390316, 228391, 641184
	IC	4934B-1, 4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication Test C-4663 for Conducted emission test R-3428, R-4218 for Radiated emission test G-812, G-813 for radiated disturbance above 1GHz
<input checked="" type="checkbox"/>	Test Site	Cerpass Technology (Suzhou) Co.,Ltd Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China Tel: +86-512-6917-5888 Fax: +86-512-6917-5666
	FCC	331395
	IC	7290A-1, 7290A-2
	VCCI	T-1945 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test G-227 for radiated disturbance above 1GHz
Frequency Range Investigated:		Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40000MHz
Test Distance:		The test distance of radiated emission from antenna to EUT is 3 M.



2.5. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Test results and Measurement uncertainty without any relationship in the test report.

Measurement	Frequency	Uncertainty
Conducted emissions(LINE)	9KHz-30MHz	+/- 0.6888 dB
Conducted emissions(NEUTRAL)	9KHz-30MHz	+/- 0.7002 dB

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions (below 1GHz)	H	30MHz ~ 200MHz	+/- 4.0677dB
		200MHz ~1000MHz	+/- 3.9131dB
	V	30MHz ~ 200MHz	+/- 4.0678dB
		200MHz ~1000MHz	+/- 3.9142dB
Radiated emissions (above 1GHz)	H	1000MHz ~18000MHz	+/- 3.8904 dB
		18000MHz ~40000MHz	+/-3.9356dB
	V	1000MHz ~18000MHz	+/- 3.8896dB
		18000MHz ~40000MHz	+/- 3.8766dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2008, clause 11, Measurement Uncertainty) determining compliance with the limits shall be based on the results of the compliance measurement. Consequently the measured emissions being less than the maximum allowed emission result in this being a compliant test or passing test.



3. Test of Conducted Emission

3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2014 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 1.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

For a Class A digital device that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms LISN. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

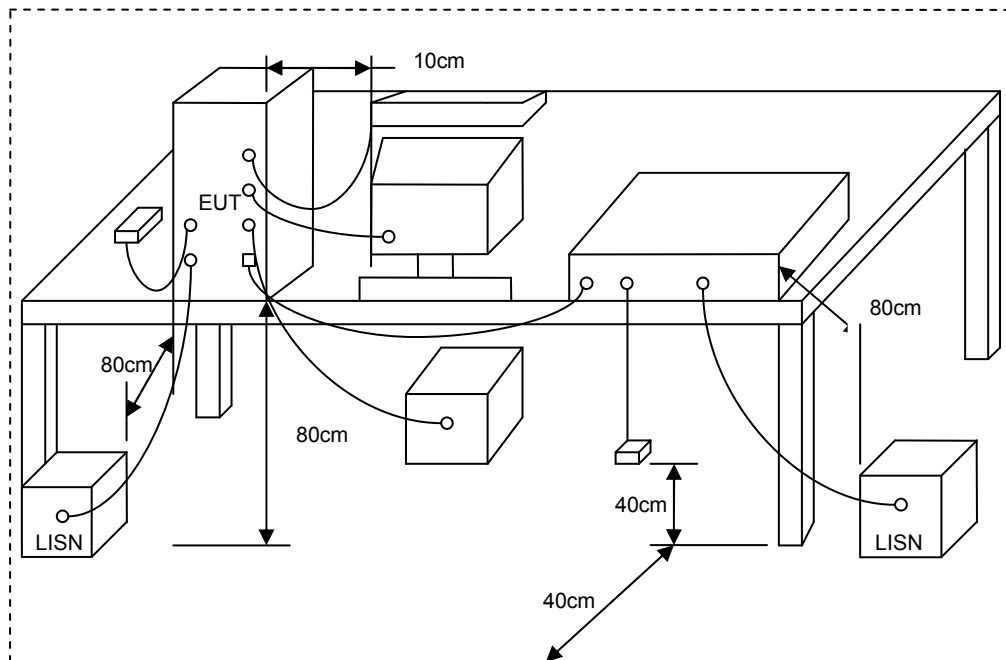
Table 1 Conducted Emission Limits (dB μ V):

Frequency range (MHz)	Class A Equipment		Class B Equipment	
	Quasi Peak	Average	Quasi Peak	Average
0.15 to 0.50	79	66	66 to 56*	56 to 46*
0.50 to 5	73	60	56	46
5. to 30.	73	60	60	50
*The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5MHz.				

3.2. Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

3.3. Typical test Setup



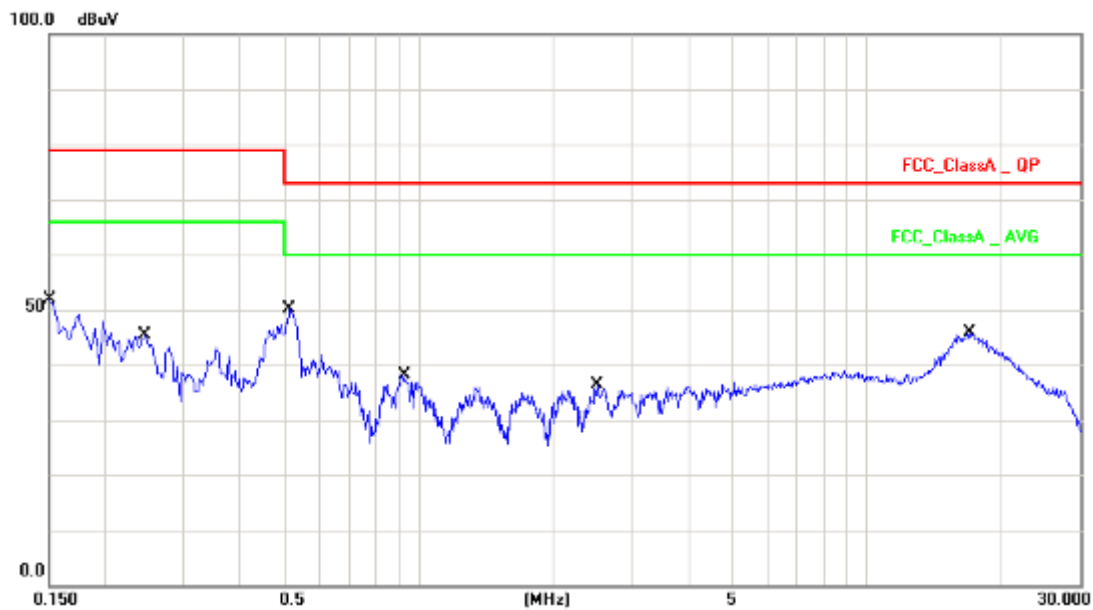
3.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2015.03.29	2016.03.28
AMN	R&S	ESH2-Z5	100182	2014.09.04	2015.09.03
Two-Line V-Network	R&S	ENV216	100325	/	/
ISN	FCC	FCC-TLISN-T2-02	20379	2015.03.29	2016.03.28
ISN	FCC	FCC-TLISN-T4-02	20380	2015.03.29	2016.03.28
ISN	FCC	FCC-TLISN-T8-02	20381	2015.03.29	2016.03.28
ISN	TESEQ	ISN ST08	30175	2015.03.29	2016.03.28
Current Probe	R&S	EZ-17	100303	2015.03.29	2016.03.28
Passive Voltage Probe	R&S	ESH2-Z3	100026	2015.03.29	2016.03.28
Pulse Limiter	R&S	ESH3-Z2	100529	2015.03.29	2016.03.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2015.04.02	2016.04.01
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



3.5. Test Result and Data

Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temperature :	22°C	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04

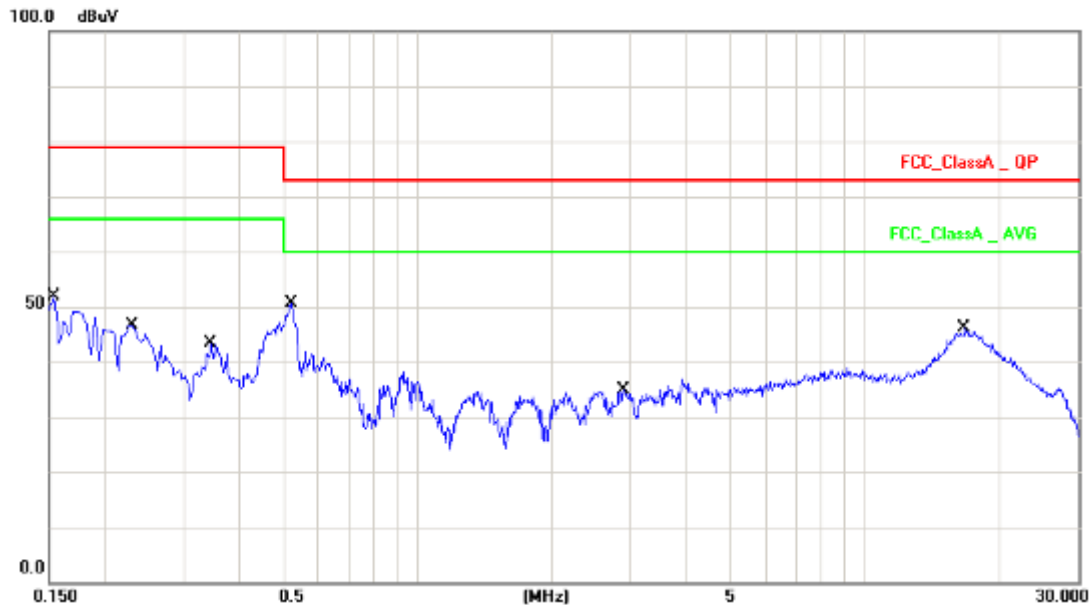


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.13	39.51	49.64	79.00	-29.36	QP
2	0.1500	10.13	25.61	35.74	66.00	-30.26	AVG
3	0.2460	10.12	30.79	40.91	79.00	-38.09	QP
4	0.2460	10.12	22.97	33.09	66.00	-32.91	AVG
5	0.5180	10.16	38.51	48.67	73.00	-24.33	QP
6	0.5180	10.16	31.13	41.29	60.00	-18.71	AVG
7	0.9300	10.16	25.56	35.72	73.00	-37.28	QP
8	0.9300	10.16	19.29	29.45	60.00	-30.55	AVG
9	2.5020	10.18	21.42	31.60	73.00	-41.40	QP
10	2.5020	10.18	15.91	26.09	60.00	-33.91	AVG
11	16.9780	10.45	30.30	40.75	73.00	-32.25	QP
12	16.9780	10.45	24.16	34.61	60.00	-25.39	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temperature :	22°C	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	10.13	37.83	47.96	79.00	-31.04	QP
2	0.1539	10.13	23.04	33.17	66.00	-32.83	AVG
3	0.2300	10.12	32.33	42.45	79.00	-36.55	QP
4	0.2300	10.12	21.21	31.33	66.00	-34.67	AVG
5	0.3460	10.14	27.83	37.97	79.00	-41.03	QP
6	0.3460	10.14	21.74	31.88	66.00	-34.12	AVG
7	0.5220	10.16	37.97	48.13	73.00	-24.87	QP
8	0.5220	10.16	30.97	41.13	60.00	-18.87	AVG
9	2.8940	10.18	20.23	30.41	73.00	-42.59	QP
10	2.8940	10.18	15.04	25.22	60.00	-34.78	AVG
11	16.7300	10.46	30.67	41.13	73.00	-31.87	QP
12	16.7300	10.46	24.48	34.94	60.00	-25.06	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Cerpass

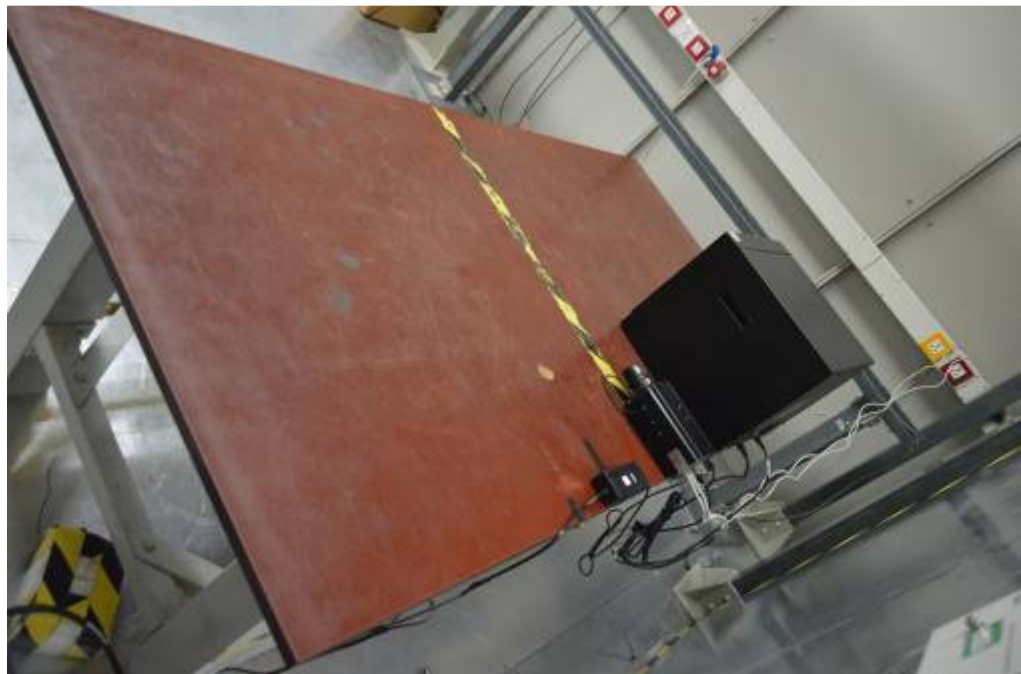


3.6. Test Photographs of Power Port

Front View



Rear View





4. Test of Radiated Emission

4.1. Test Limit

Below 1GHz (for digital device)

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 - 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHz)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE: (1) The lower limit shall apply at the transition frequencies.
 (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
 (3) The measurement above 1GHz is at close-in distances 3m, and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: $L2 = L1 (d1/d2)$, where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).
 So the new Class A limit above 1GHz at 3m is as following table:



Frequency (MHZ)	Class A (dBuV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

4.2. Test Procedures

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and



positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

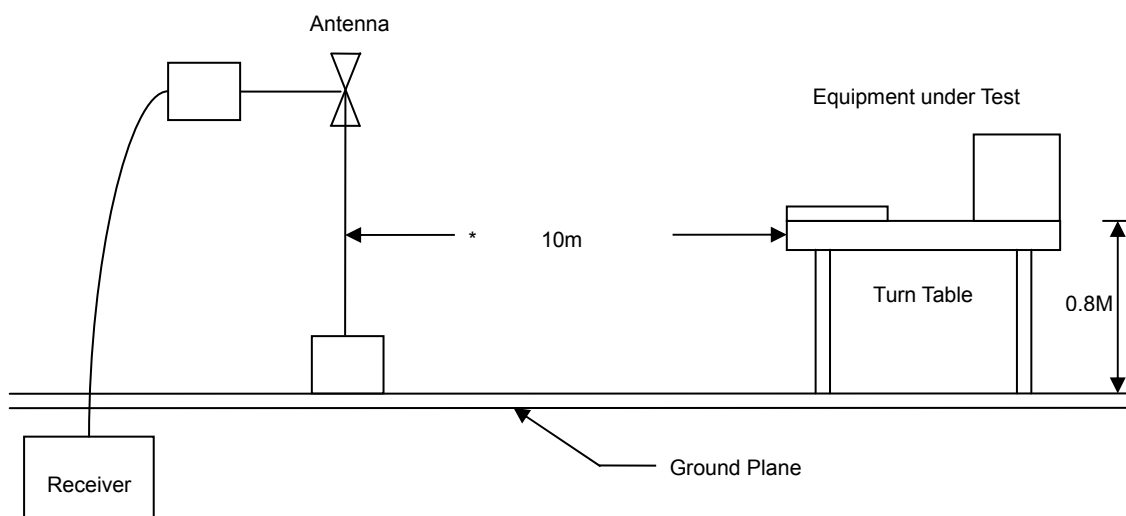
- Set the spectrum analyzer/ Receiver in the following setting as:
Below 1GHz:
RBW=120KHz / VBW=300KHz / Sweep=AUTO
Above 1GHz:
Peak: RBW=1MHz, VBW=3MHz / Sweep=AUTO
Average: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

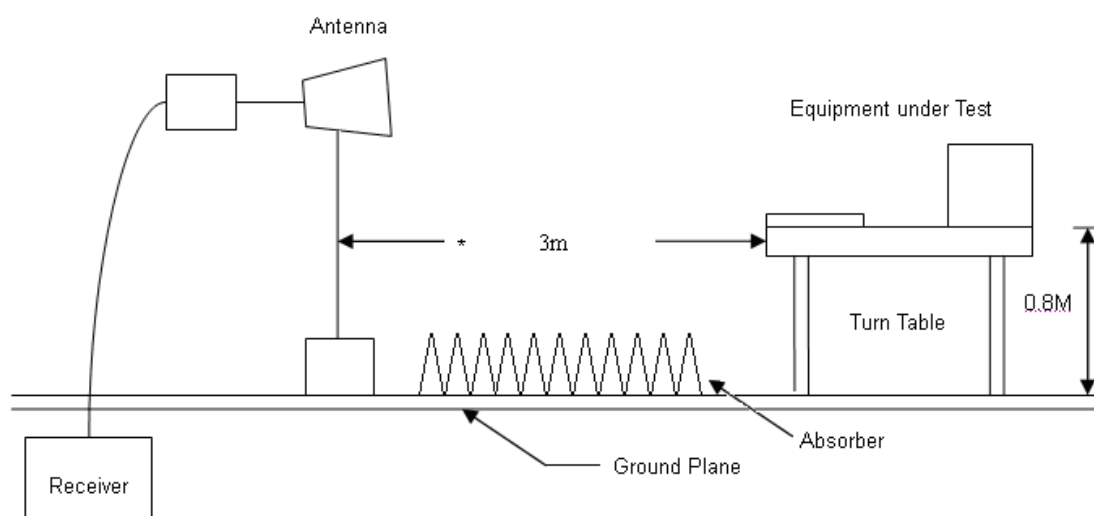
4.3. Typical test Setup

Below 1GHz Test Setup





Above 1GHz Test Setup



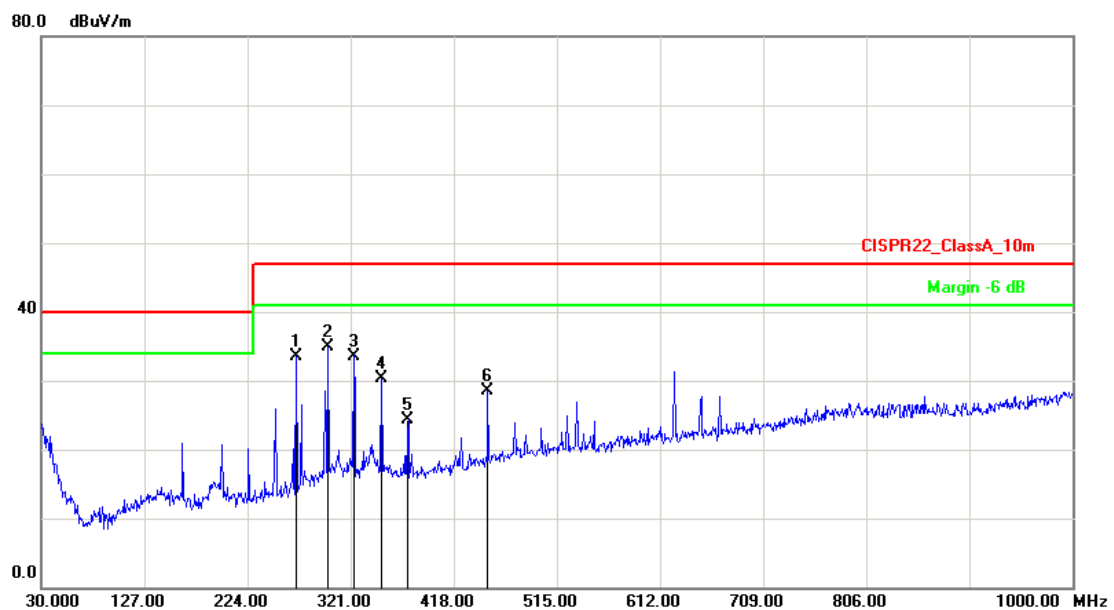
4.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI7	100968	2015.03.29	2016.03.28
Preamplifier	Agilent	87405B	My39500554	2015.03.29	2016.03.28
Preamplifier	Agilent	8449B	3008A02342	2015.03.29	2016.03.28
Bilog Antenna	Sunol Science	JB1	A072414-3	2014.08.05	2015.08.04
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2015.04.20	2016.04.19
Spectrum Analyzer	R&S	FSP40	100324	2015.03.29	2016.03.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-001	2015.04.02	2016.04.01
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



4.5. Test Result and Data (30MHz~1GHz)

Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temp :	22℃	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04

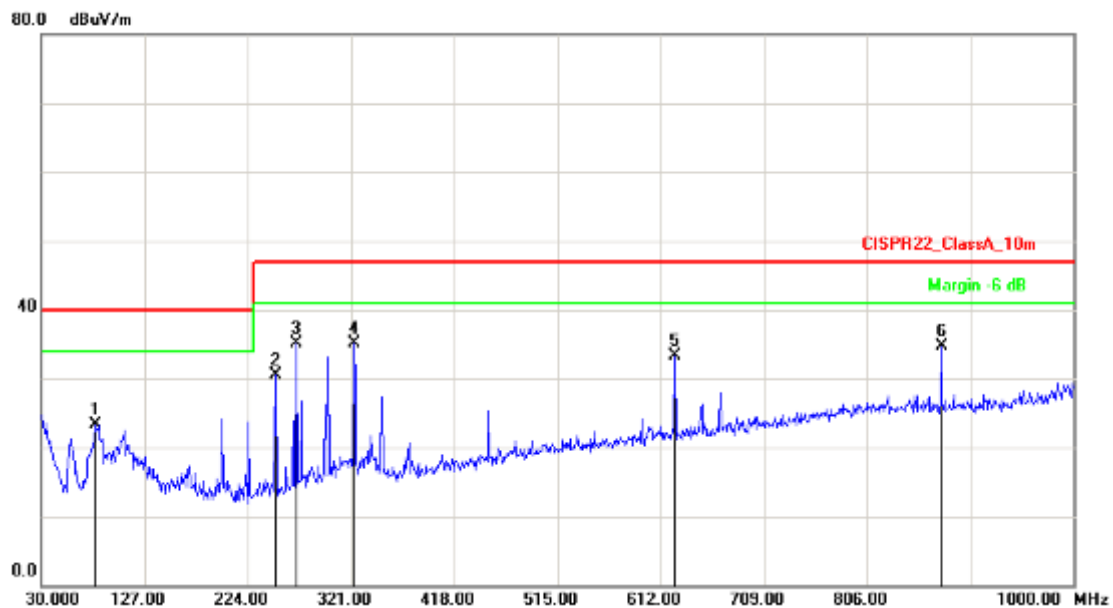


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	269.5899	-11.02	44.44	33.42	47.00	-13.58	QP	200	169
2	299.6600	-9.52	44.49	34.97	47.00	-12.03	QP	200	166
3	323.9100	-8.91	42.51	33.60	47.00	-13.40	QP	200	145
4	350.1000	-8.26	38.53	30.27	47.00	-16.73	QP	200	132
5	375.3199	-7.63	31.91	24.28	47.00	-22.72	QP	200	124
6	450.0099	-5.75	34.18	28.43	47.00	-18.57	QP	200	236

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temp :	22°C	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	81.4100	-16.51	39.81	23.30	40.00	-16.70	QP	200	137
2	250.1900	-11.46	41.96	30.50	47.00	-16.50	QP	100	88
3	269.5900	-11.02	46.20	35.18	47.00	-11.82	QP	100	119
4	323.9100	-8.91	44.04	35.13	47.00	-11.87	QP	100	198
5	625.5800	-2.54	35.81	33.27	47.00	-13.73	QP	100	214
6	875.8400	1.24	33.42	34.66	47.00	-12.34	QP	200	3

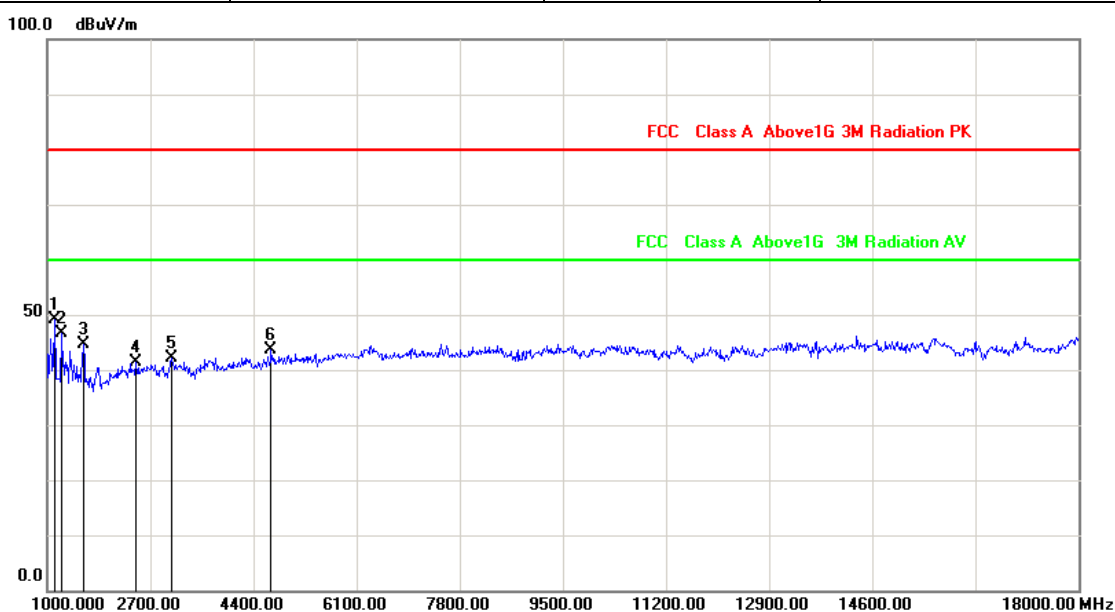
Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Seben



4.6. Test Result and Data (1GHz~18GHz)

Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temp :	22℃	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04

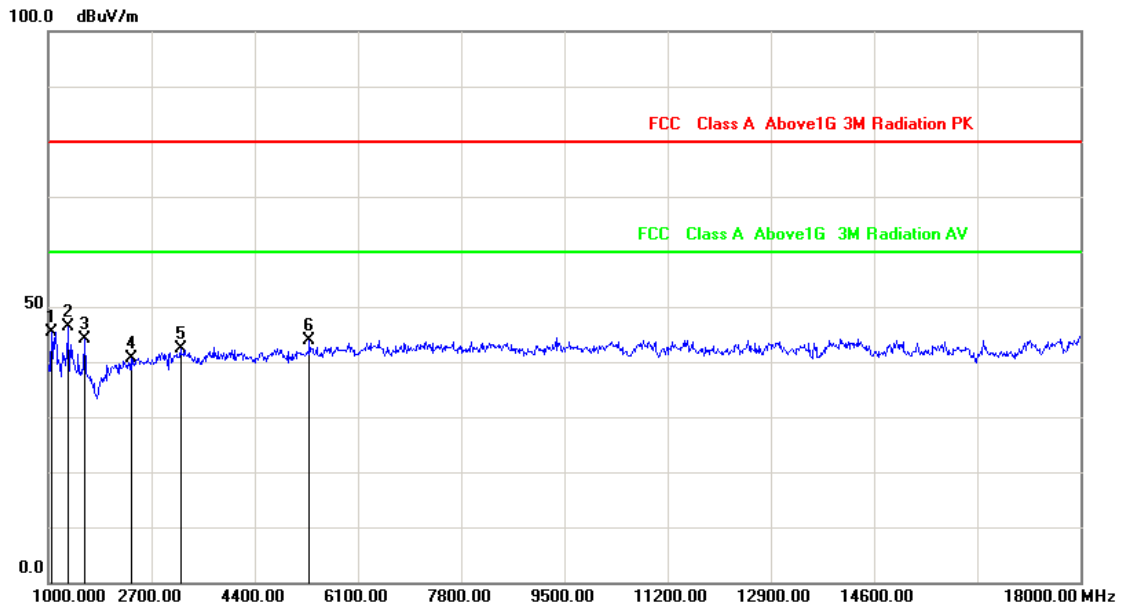


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1119.000	-6.37	55.45	49.08	80.00	-30.92	peak	114	225
2	1238.000	-5.88	52.40	46.52	80.00	-33.48	peak	200	7
3	1595.000	-4.39	49.12	44.73	80.00	-35.27	peak	200	226
4	2462.000	-1.15	42.59	41.44	80.00	-38.56	peak	100	360
5	3040.000	0.80	41.42	42.22	80.00	-37.78	peak	100	87
6	4689.000	6.08	37.46	43.54	80.00	-36.46	peak	100	154

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Normal Operation		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	HD Intelligent Traffic Camera	Model No :	DHI-ITC302-RF1A-IR
Temp :	22°C	Humidity :	56%
Pressure(mbar) :	1002	Date :	2015/07/04



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1051.000	-6.66	52.11	45.45	80.00	-34.55	peak	100	157
2	1323.000	-5.52	52.00	46.48	80.00	-33.52	peak	100	87
3	1595.000	-4.39	48.53	44.14	80.00	-35.86	peak	100	225
4	2360.000	-1.49	42.05	40.56	80.00	-39.44	peak	100	8
5	3176.000	1.30	41.00	42.30	80.00	-37.70	peak	200	221
6	5301.000	7.36	36.60	43.96	80.00	-36.04	peak	100	4

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Seben

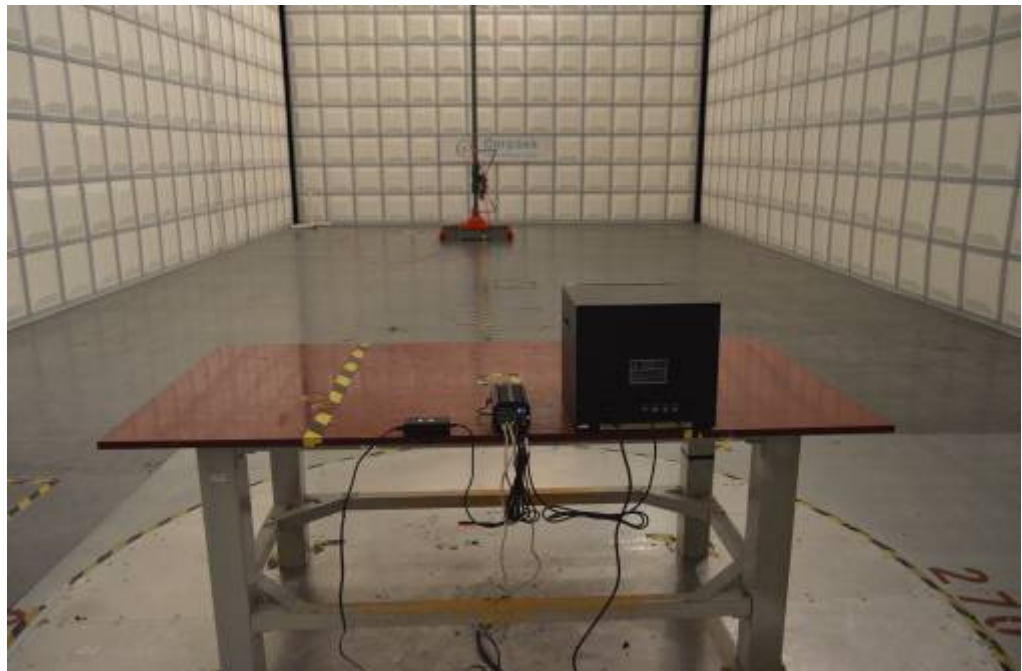


4.7. Test Photographs (30MHz~1GHz)

Front View



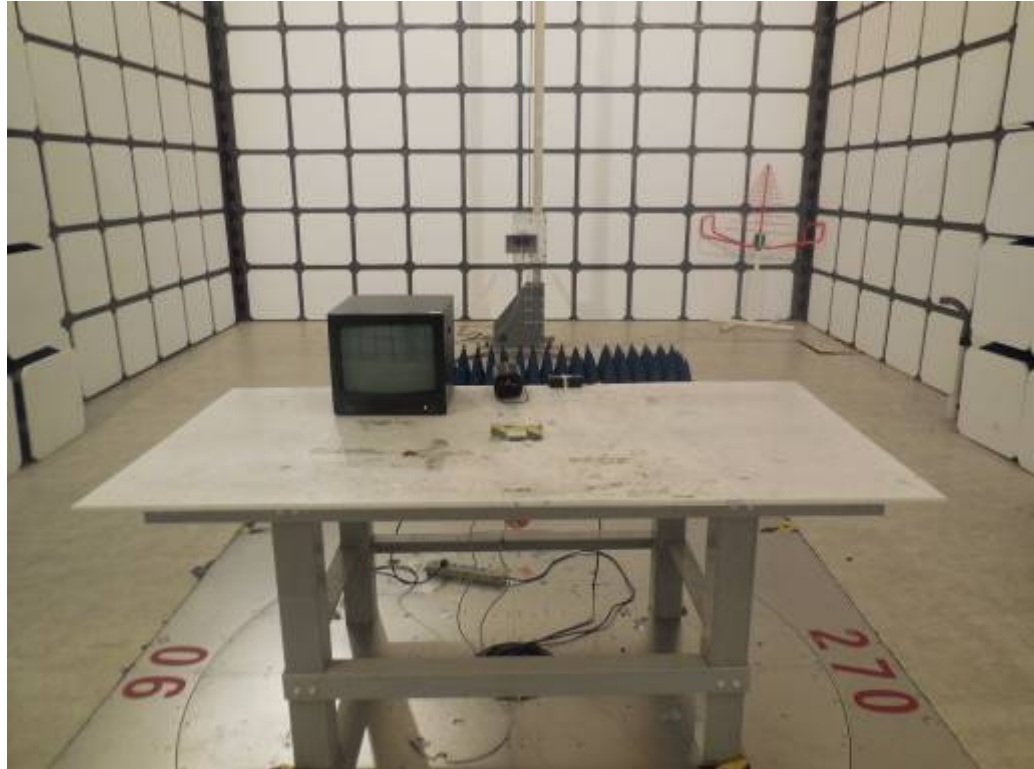
Rear View



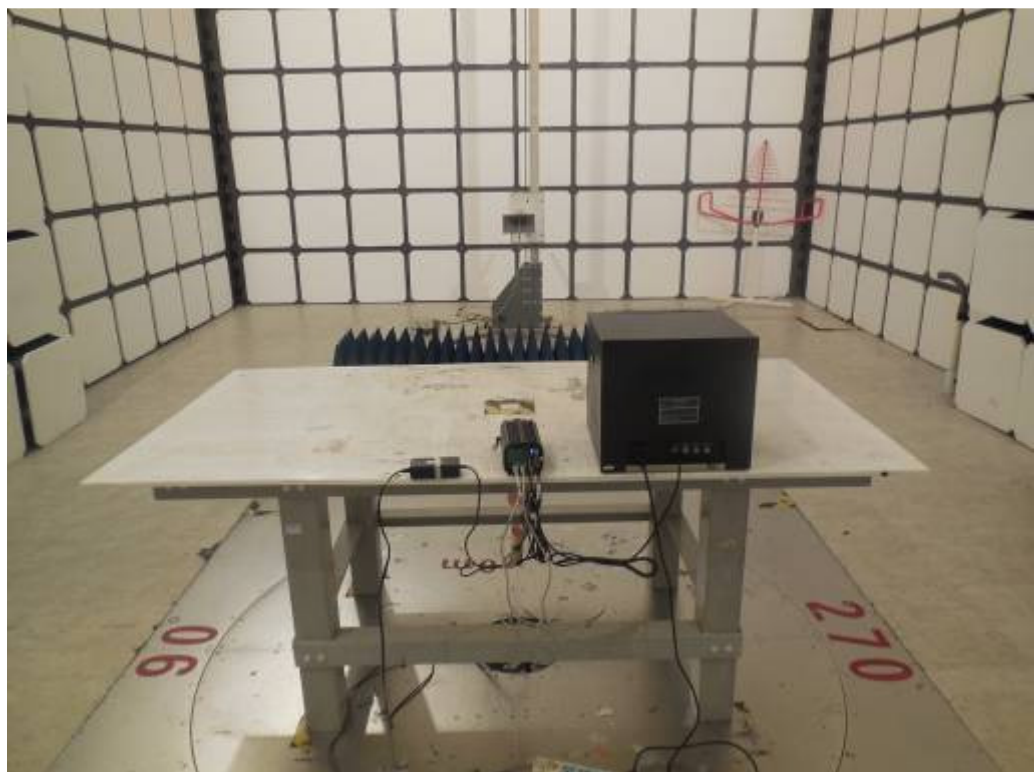


4.8. Test Photographs (1GHz~18GHz)

Front View



Rear View





5. Photographs of EUT

1) EUT Photo



2) EUT Photo





3) EUT Photo



4) EUT Photo





5) EUT Photo

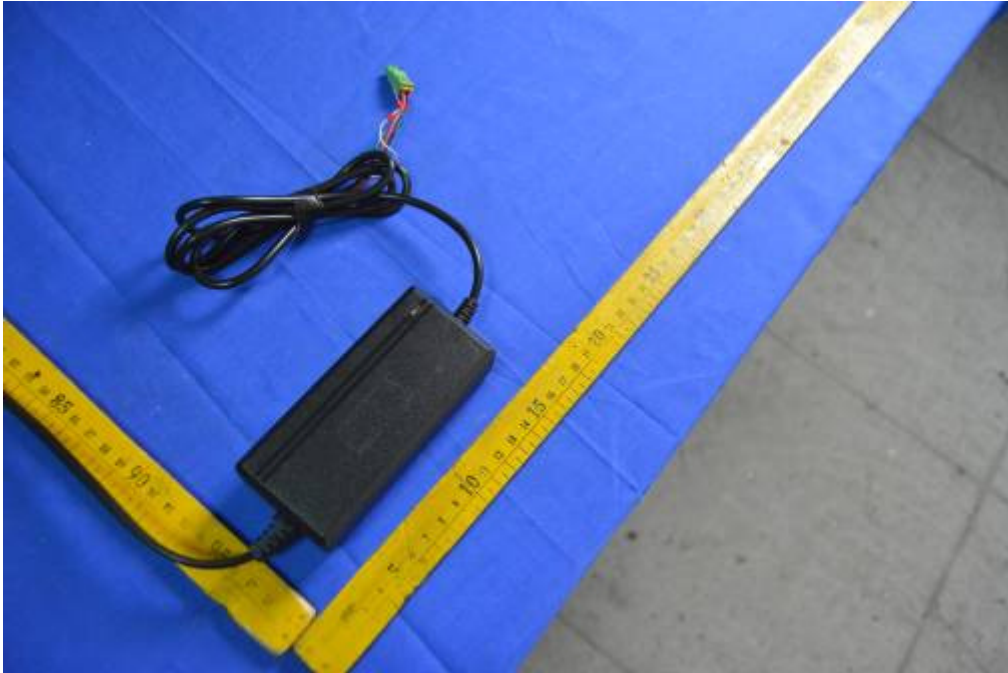


6) EUT Photo(Adapter)





7) EUT Photo(Adapter)



8) EUT Photo(Adapter)

