

FCC Test Report

Client Information:

Applicant: Proexpress Distributor LLC
Applicant add.: 11011 GREENWOOD AVE.N APT 5,SEATTLE,WA 98103

Product Information:

Product Name: Tablet PC
Model No.: Y88X
Derivative model No.: Y88X Plus, Y88X Pro, Y88X Ultimate, Y88X HD, Y88X 4th Generation, Y88X For Kids
Brand Name: DRAGON TOUCH, KINGPAD, AKASO, KINGSLIM

Applied Standard: FCC Part 15 Subpart B: 2013

Prepared By:

Dongguan Yaxu (AiT) Technology Limited

Add. : No.22, Jinqianling Third Street, Jitigang, Huangjiang,
Dongguan, Guangdong, China

Date of Receipt: Dec. 02, 2015 Date of Test: Dec. 02~Dec.17, 2015
Date of Issue: Dec. 17, 2015 Test Result: Pass

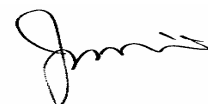
This device described above has been tested by Dongguan Yaxu (AiT) Technology Limited, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Reviewed by:



Approved by:



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2 Test Summary

Test	Test Requirement	Test Method	Criterion	Result
Mains Terminals Disturbance Voltage, 150kHz to 30MHz	FCC Part 15 Subpart B: 2013	ANSI C63.4: 2009	Limits	PASS
Radiated Emissions 30MHz to 1GHz	FCC Part 15 Subpart B: 2013	ANSI C63.4: 2009	Limits	PASS
Radiated Emissions 1G Hz to 7.5GHz	FCC Part 15 Subpart B: 2013	ANSI C63.4: 2009	Limits	PASS

2.1 Measurement Uncertainty

The report uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

No.	Item	Frequency Range	U , Value
1	Power Line Conducted Emission	150KHz~30MHz	1.20 dB
2	Radiated Emission Test	30MHz~1GHz	3.30 dB
3	Radiated Emission Test	1GHz~18GHz	3.30 dB

3 Test Facility

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

.CNAS- Registration No: L6177

Dongguan Yaxu (AiT) technology Limited is accredited to ISO/IEC 17025:2005 general Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the competence of testing and calibration laboratories) on Apr. 18, 2013

.FCC- Registration No: 248337

The 3m Semi-Anechoic Chamber, 3m/10m Open Area Test Site and Shielding Room of Dongguan Yaxu (AiT) Technology Limited have been registered by Federal Communications Commission (FCC) on Aug.29, 2014.

.Industry Canada(IC)-Registration No: IC6819A-1

The 3m Semi-Anechoic Chamber and 3m/10m Open Area Test Site of Dongguan Yaxu (AiT) Technology Limited have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing on Oct. 12, 2014.

.VCCI- Registration No: 2705

The 3m/10m Open Area Test Site, Shielding Room and 3m Chamber of Dongguan Yaxu (AiT) Technology Limited have been registered by Voluntary Control Council for Interference on Nov. 21, 2012. The Telecommunication Ports Conducted Disturbance Measurement of Dongguan Yaxu (AiT) Technology Limited have been registered by Voluntary Control Council for Interference on July. 13, 2013.

3.1 Deviation from standard

None

3.2 Abnormalities from standard conditions

None

4 General Information

4.1 General Description of EUT

Manufacturer:	Proexpress Distributor LLC
Manufacturer Address:	11011 GREENWOOD AVE.N APT 5,SEATTLE,WA 98103
EUT Name:	Tablet PC
Model No:	Y88X
Brand Name:	Dragon Touch, KINGPAD, KINGSLIM, AKASO
Derivative model No.:	Y88X Plus, Y88X Pro, Y88X Ultimate, Y88X HD, Y88X 4th Generation, Y88X For Kids
Highest operating frequency:	1.5 GHz
Power Supply Range:	DC 5V from adapter, AC 120V/60Hz for adapter or DC 3.7V from battery
Test Power Supply:	DC 5V from adapter, AC 120V/60Hz for adapter or DC 3.7V from battery
Power Cord:	1.2 m x 2 wires unscreened DC cable
Signal Cable:	N/A
Model description:	According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference being the memory, pixels and the model name and brand name. Therefore only one model Y88X was tested in this report.

4.2 Test Location

All tests were performed at:

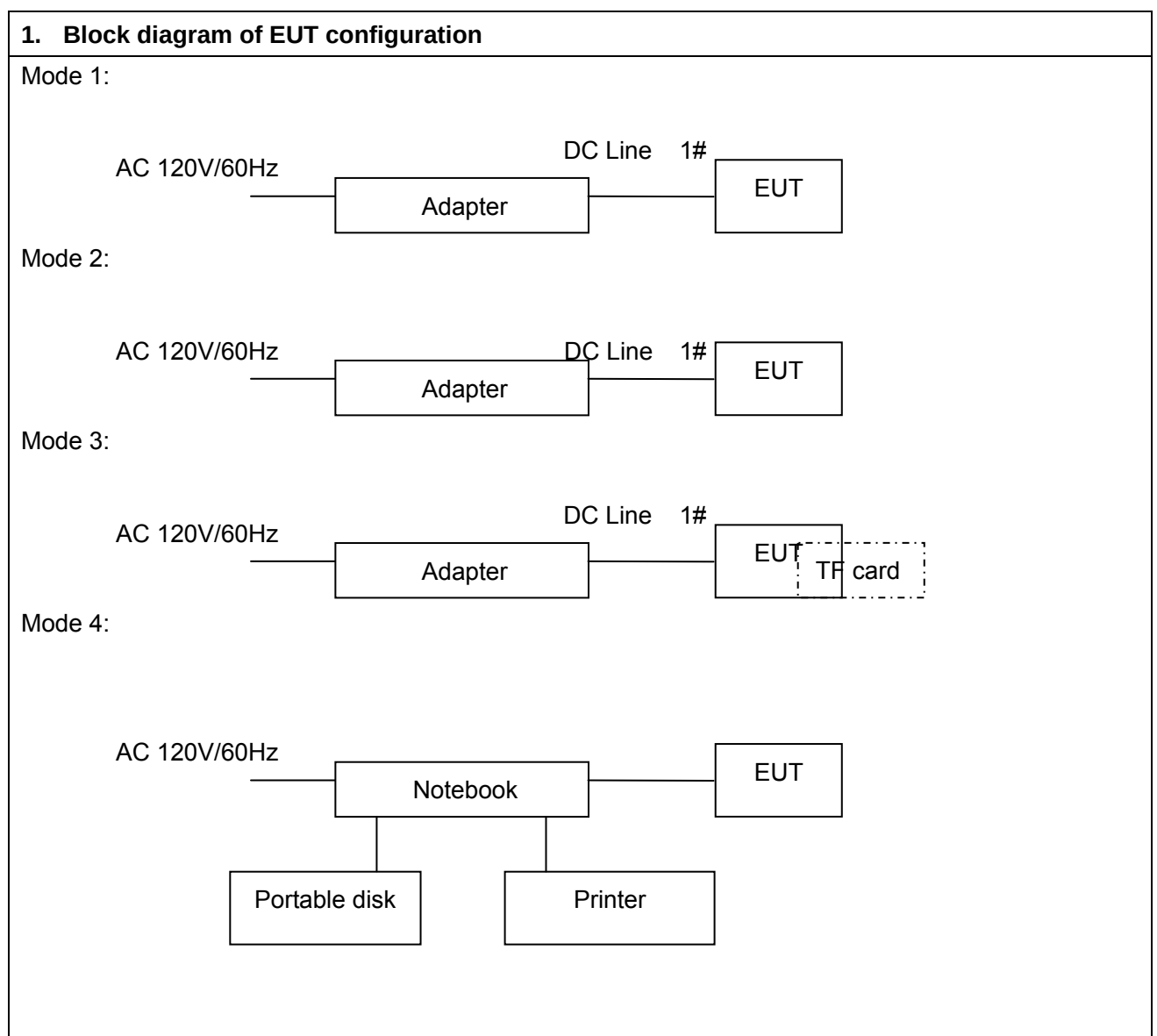
Dongguan Yaxu (AiT) Technology Limited
No.22, Jinqianling Third Street, Jitigang, Huangjiang,Dongguan, Guangdong, China
Tel.: +86.769.82020499 Fax.: +86.769.82020495

4.3 Description of Test setup

4.3.1 EUT Test Mode

Mode 1	The EUT is in recording by camera with charging mode.
Mode 2	The EUT is in playing by memory with charging mode.
Mode 3	The EUT is in playing by TF card with charging mode.
Mode 4	The EUT is in data transmission mode.

EUT was tested in normal configuration (Please See following Block diagram)



4.4 EUT Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	signal cable
1	Adapter	Shenzhen Wei Yi Tong Electronic Co., Ltd	FCC	WTA0502000USB2	N/A	1.2m/unshielded /undetectable	N/A

4.4 Test Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	signal cable
1	Notebook	ASUA	FCC	X401A	N/A	N/A	N/A
2	Portable disk	ALUMINUM	FCC	3.5 HDD Storage Box	N/A	1.8m	1.2m
3	Printer	EPSON	FCC	STYLUSC45	N/A	1.8m	1.2m
4	TF card	Sandisk	FCC	16G	N/A	N/A	N/A

5 Equipments List for All Test Items

☒ Radiation Test Equipment						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI Measuring Receiver	R&S	ESR	101660	2015.06.29	2016.06.28
2	Low Noise Pre Amplifier	Tsj	MLA-10K01-B01-27	1205323	2015.06.29	2016.06.28
3	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9160	9160-3206	2015.06.29	2016.06.28
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2015.06.29	2016.06.28
5	Spectrum Analyzer	ADVANTEST	R3182	150900201	2015.06.29	2016.06.28
6	Low Noise Pre Amplifier	Tsj	MLA-0120-A02-34	2648A04738	2015.06.29	2016.06.28
7	Broadband Horn Antenna	SCHWARZBECK	BBHA9120D	452	2015.06.29	2016.06.28
8	Radiated Cable 1# (30MHz-1GHz)	FUJIKURA	5D-2W	01	2015.06.29	2016.06.28
9	Radiated Cable 2# (1GHz -25GHz)	FUJIKURA	10D2W	02	2015.06.29	2016.06.28

☒ Conduction Test equipment						
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI Test Receiver	R&S	ESCI	100124	2015.06.29	2016.06.28
2	LISN	Kyoritsu	KNW-242	8-837-4	2015.06.29	2016.06.28
3	LISN	Kyoritsu	KNW-407	8-1789-3	2015.06.29	2016.06.28
4	Pulse limiter	R&S	ESH3-Z2	0357.8810.54	2015.06.29	2016.06.28
5	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2015.06.29	2016.06.28
6	Conducted Cable 1# (9KHz-30MHz)	FUJIKURA	1D-2W	01	2015.06.29	2016.06.28

Note:

1. ☐ is not applicable in this Test Report. ☒ is applicable in this Test Report.

6.1 Mains Terminals Disturbance Voltage Measurement

Detector:	Peak for pre-scan (9kHz Resolution Bandwidth) Quasi-Peak & Average if maximized peak within 6dB of Average Limit
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Temperature:	25°C	Humidity:	54% RH	Atmospheric Pressure:	101	Kpa
Test Mode:	Mode 1/ Mode 2/ Mode 3 /Mode 4					

1.2 Test Specification

The diagram illustrates the test setup for EUT immunity testing. It shows a yellow table with a grey frame. On the table, there is a white box labeled 'EUT' and a white box labeled 'LISN'. The table is positioned on a hatched ground plane. A vertical dimension line indicates a height of 80cm from the ground plane to the top of the table. A horizontal dimension line indicates a distance of 40cm from the right side of the table to a vertical line labeled 'V.C.P.'. An arrow labeled 'H.C.P.' points towards the table from the left. To the right of the table, there is another yellow table with a grey frame. On this table, there is a white box labeled 'Pulse Limiter' and a white box labeled 'Test Receiver'. A cable connects the 'LISN' box to the 'Pulse Limiter' box.

EUT was placed upon a wooden test table 0.8m above the horizontal metal reference plane and 0.4m from the vertical ground plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m. All peripherals were connected to another AMN, and placed at a distance of 10cm from each other. A spectrum and receiver was connected to the RF output port of the AMN. Both average and quasi-peak value were detected.

6.1.3 Measurement Data

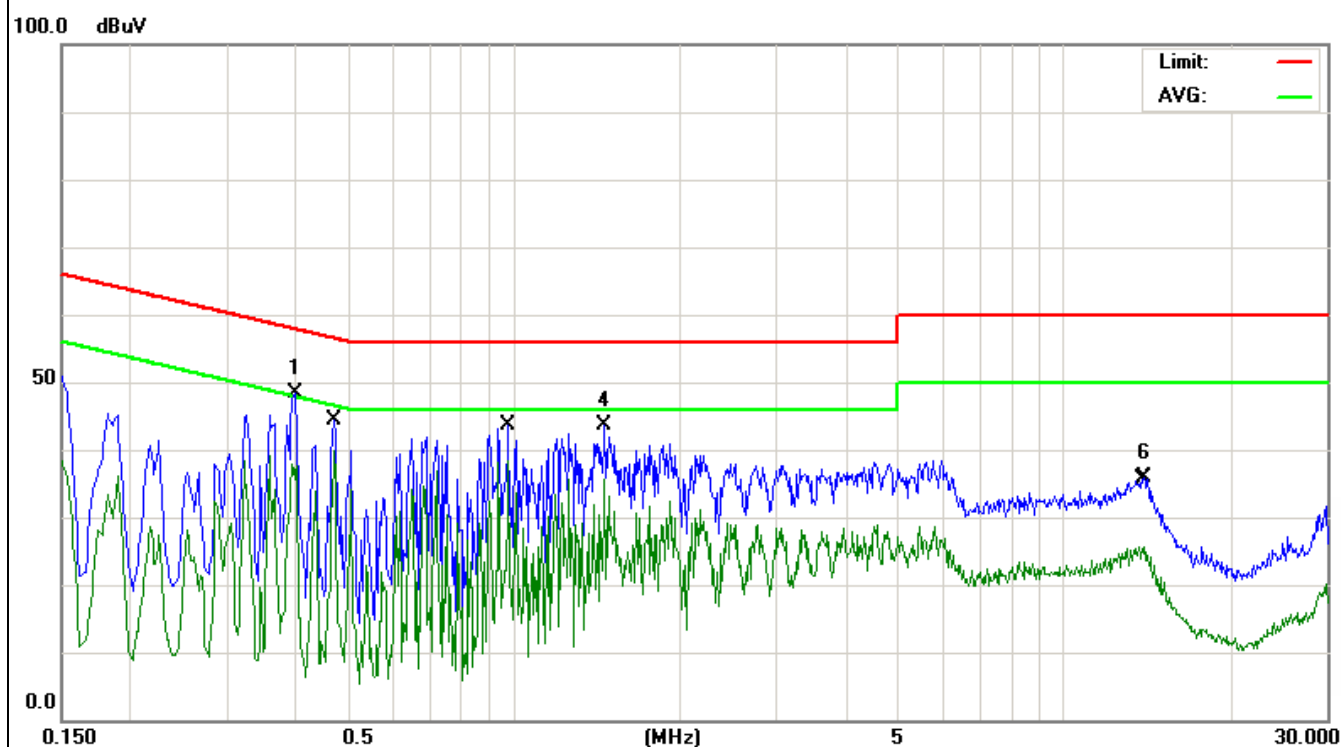
An initial pre-scan was performed on the live and neutral lines.

Quasi-peak or average measurements were performed at the frequency which maximum peak emissions were detected.

Please refer to the attached quasi-peak & average measurement data for reference.

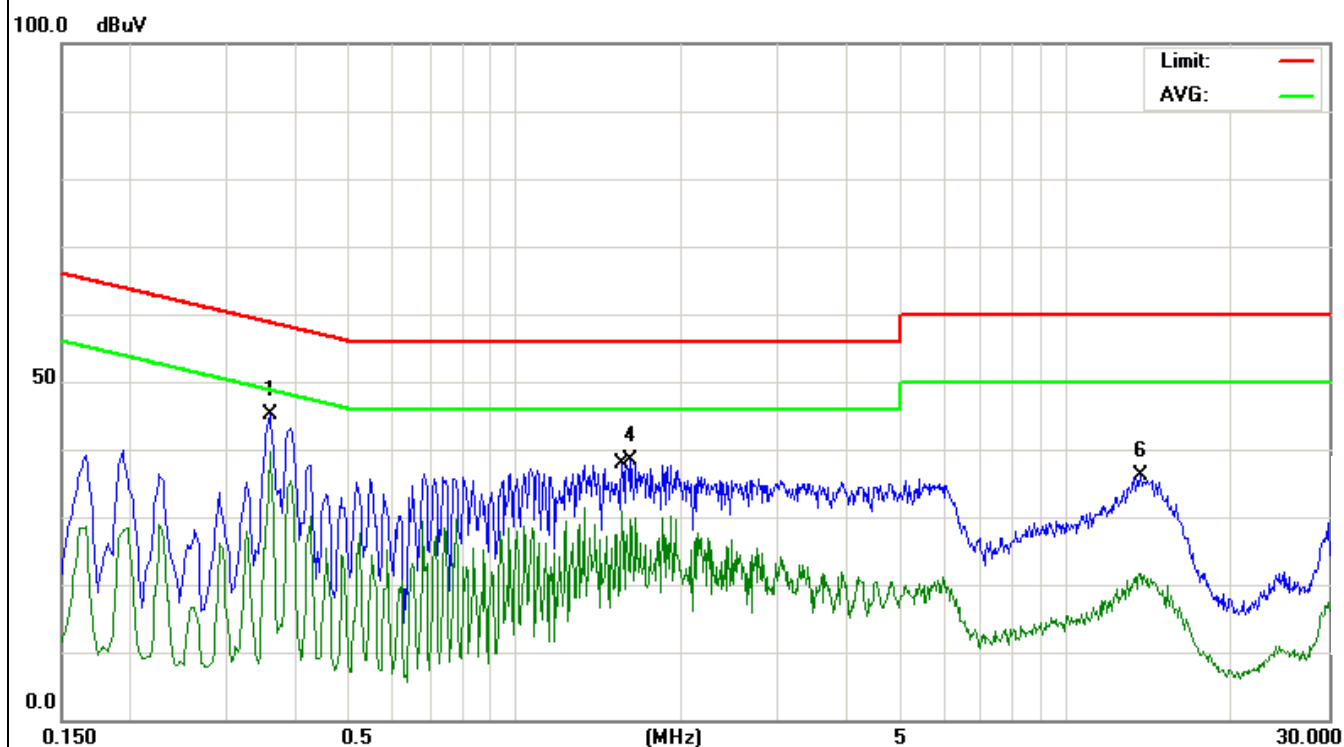
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 1			Phase :	Line	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3980	38.13	10.13	48.26	57.89	-9.63	Quasi-Peak
0.4700	29.74	10.04	39.78	46.51	-6.73	Average
1.4620	33.76	9.96	43.72	56.00	-12.28	Quasi-Peak
0.9740	28.46	9.93	38.39	46.00	-7.61	Average
13.9300	24.41	11.37	35.78	60.00	-24.22	Quasi-Peak
13.6860	14.31	11.37	25.68	50.00	-24.32	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



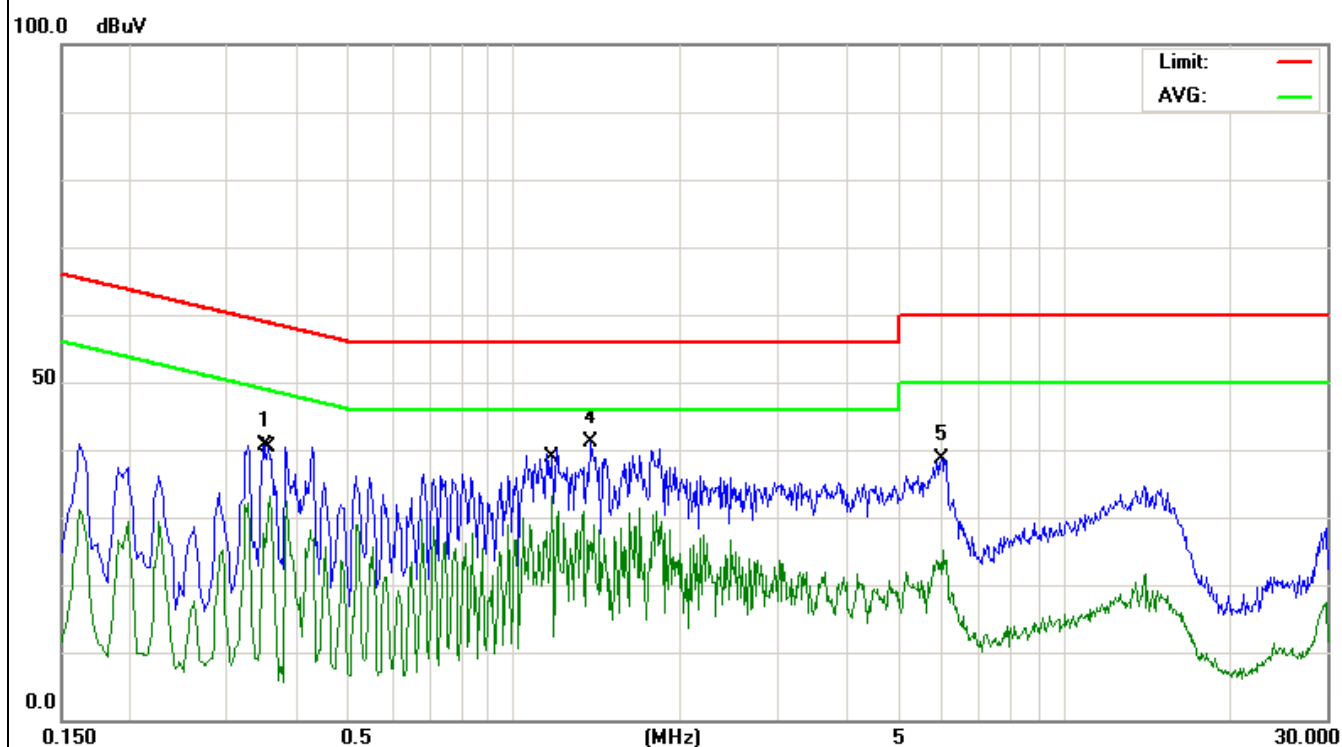
Model name:	Y88X			Test Date :	2015-10-25	
Test Mode:	Mode 1			Phase :	Neutral	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3580	34.90	10.12	45.02	58.77	-13.75	Quasi-Peak
0.3580	29.58	10.12	39.70	48.77	-9.07	Average
1.6260	28.44	9.94	38.38	56.00	-17.62	Quasi-Peak
1.5620	20.87	9.93	30.80	46.00	-15.20	Average
13.6300	24.91	11.24	36.15	60.00	-23.85	Quasi-Peak
13.5940	10.41	11.24	21.65	50.00	-28.35	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



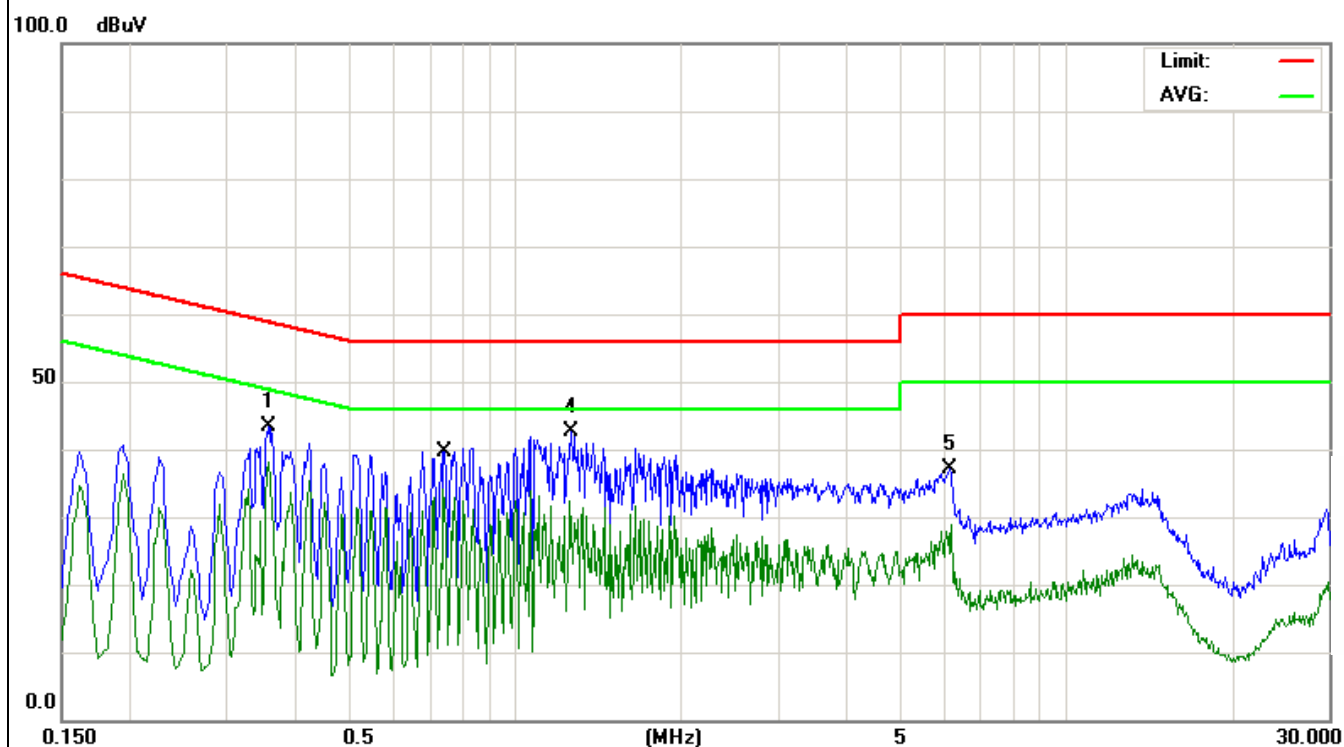
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 2			Phase :	Line	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3502	30.62	10.13	40.75	58.96	-18.21	Quasi-Peak
0.3580	22.99	10.12	33.11	48.77	-15.66	Average
1.3779	31.17	9.93	41.10	56.00	-14.90	Quasi-Peak
1.1700	23.22	9.91	33.13	46.00	-12.87	Average
5.9780	28.69	10.06	38.75	60.00	-21.25	Quasi-Peak
6.0060	15.06	10.06	25.12	50.00	-24.88	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



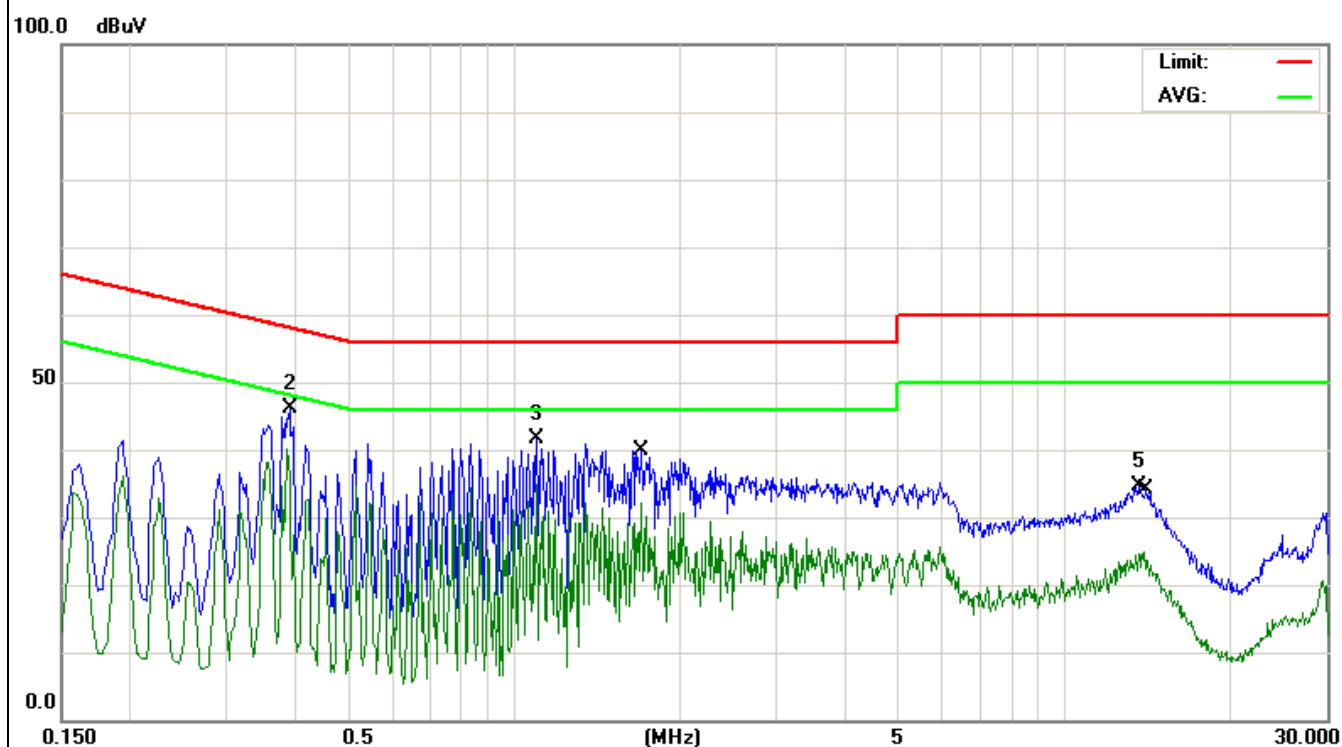
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 2			Phase :	Neutral	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3558	33.37	10.13	43.50	58.82	-15.32	Quasi-Peak
0.3558	28.05	10.13	38.18	48.82	-10.64	Average
1.2660	32.83	9.92	42.75	56.00	-13.25	Quasi-Peak
0.7420	24.22	9.94	34.16	46.00	-11.84	Average
6.1820	27.18	10.07	37.25	60.00	-22.75	Quasi-Peak
6.1940	18.70	10.07	28.77	50.00	-21.23	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



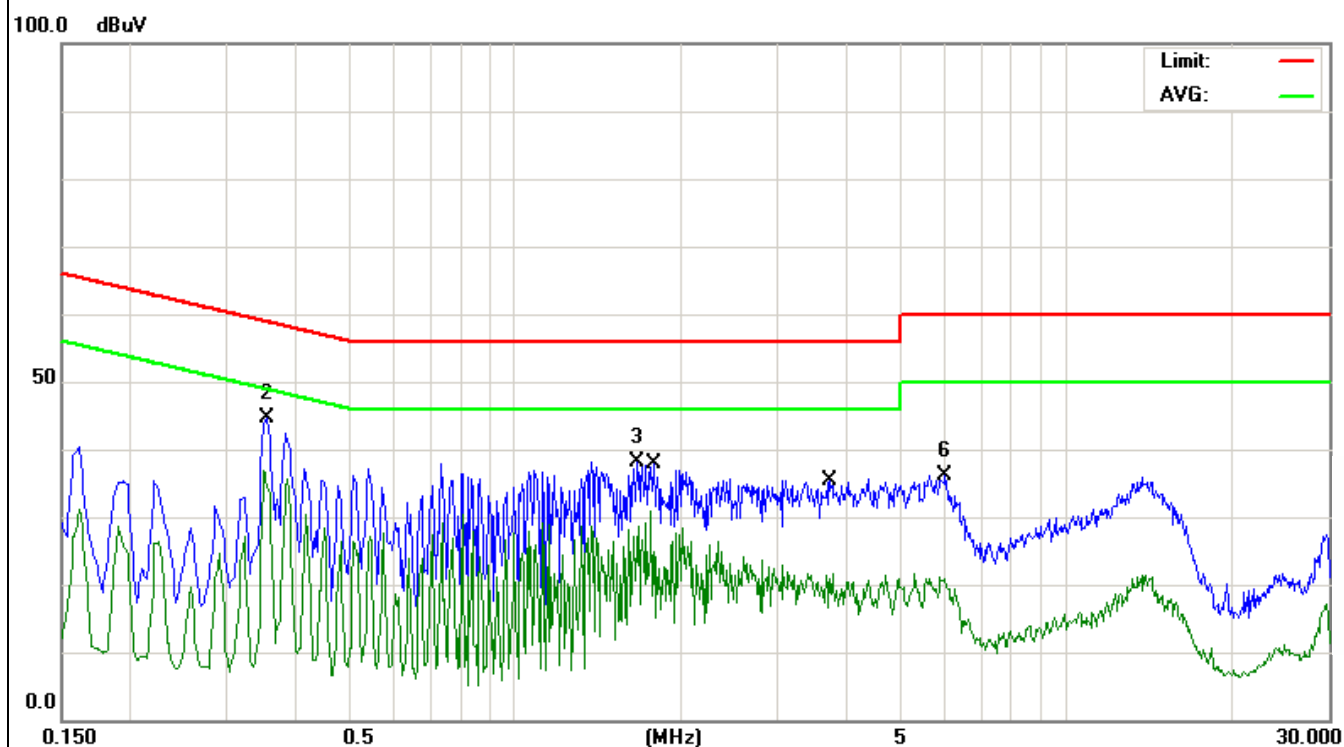
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 3			Phase :	Line	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3899	35.96	10.09	46.05	58.06	-12.01	Quasi-Peak
0.3860	29.97	10.10	40.07	48.15	-8.08	Average
1.0940	31.84	9.90	41.74	56.00	-14.26	Quasi-Peak
1.7020	22.27	9.94	32.21	46.00	-13.79	Average
13.6820	33.32	1.24	34.56	60.00	-25.44	Quasi-Peak
13.9260	23.60	1.24	24.84	50.00	-25.16	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



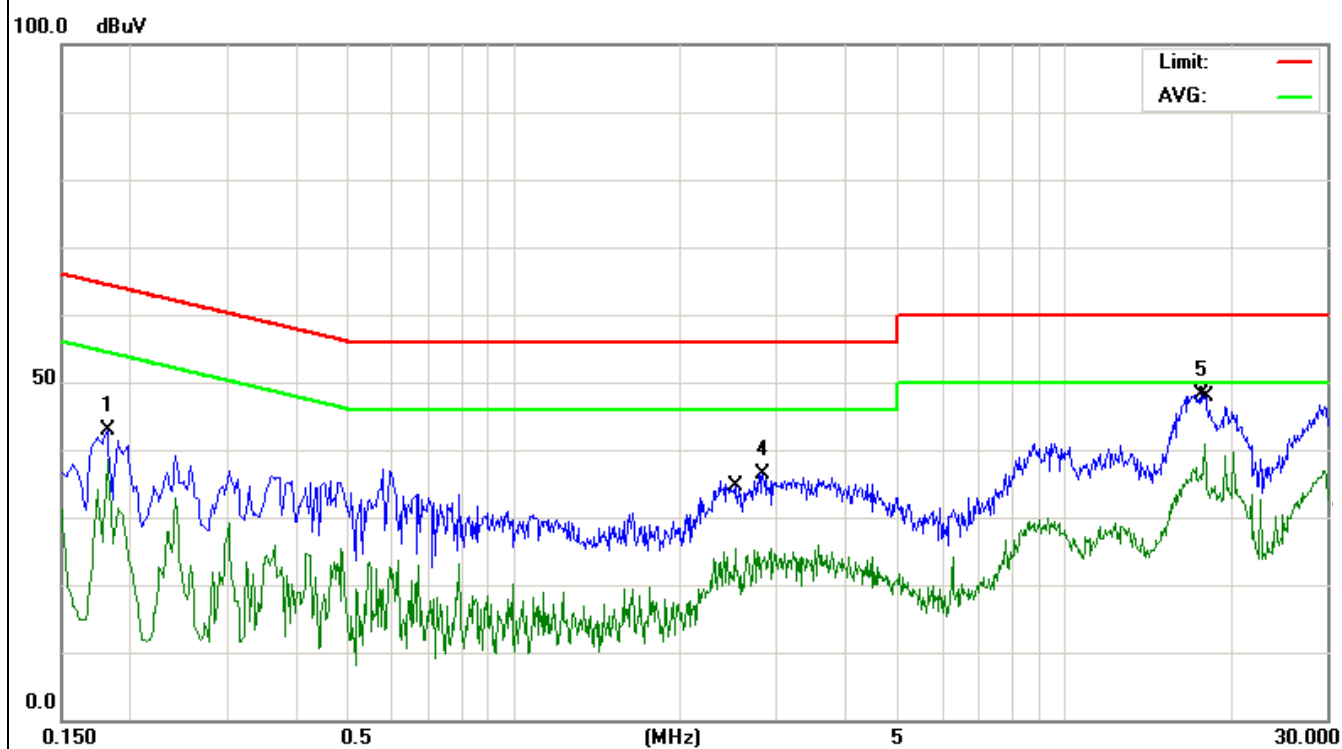
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 3			Phase :	Neutral	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.3540	34.54	10.13	44.67	58.87	-14.20	Quasi-Peak
0.3500	26.65	10.12	36.77	48.96	-12.19	Average
1.6660	28.30	9.94	38.24	56.00	-17.76	Quasi-Peak
1.7660	20.87	9.95	30.82	46.00	-15.18	Average
6.0499	26.14	10.06	36.20	60.00	-23.80	Quasi-Peak
3.7620	11.60	9.99	21.59	46.00	-24.41	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



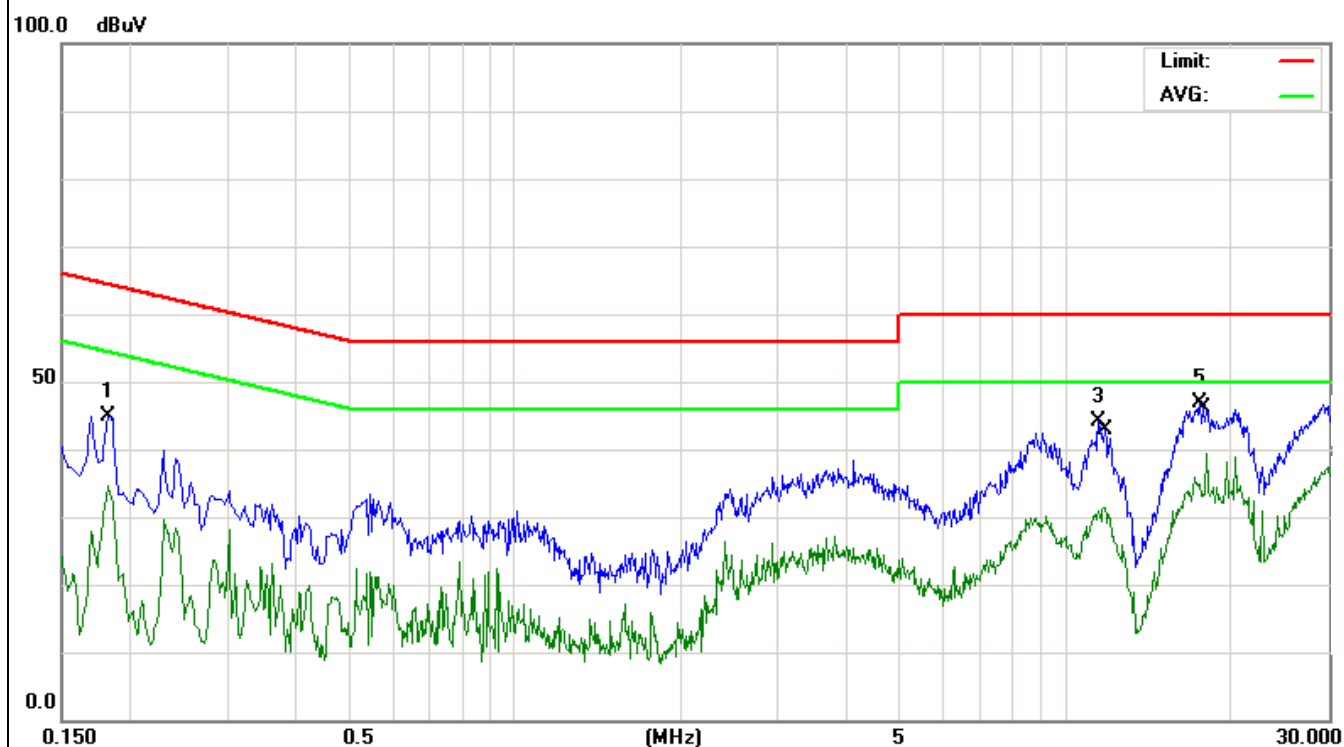
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 4			Phase :	Line	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.1819	30.51	12.32	42.83	64.39	-21.56	Quasi-Peak
0.1819	26.29	12.32	38.61	54.39	-15.78	Average
2.8300	26.33	10.03	36.36	56.00	-19.64	Quasi-Peak
2.5180	15.48	10.01	25.49	46.00	-20.51	Average
17.7340	36.44	11.75	48.19	60.00	-11.81	Quasi-Peak
17.9740	28.99	11.78	40.77	50.00	-9.23	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 4			Phase :	Neutral	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
0.1819	32.68	12.32	45.00	64.39	-19.39	Quasi-Peak
0.1819	22.27	12.32	34.59	54.39	-19.80	Average
11.4819	32.71	11.32	44.03	60.00	-15.97	Quasi-Peak
11.7580	20.06	11.32	31.38	50.00	-18.62	Average
17.4980	35.12	11.72	46.84	60.00	-13.16	Quasi-Peak
17.9740	27.68	11.78	39.46	50.00	-10.54	Average

Remark: Factor = LISN factor + Cable Loss + Pulse limiter factor.



6.1.4 Test Setup Photograph

Mode 4



6.2 Radiated Emission Measurement

Limits of Radiated Emission Measurement

Frequency (MHz)	☐ Class A (10m)	☒ Class B (3m)
	Quasi-Peak dB(μ V/m)	Quasi-Peak dB(μ V/m)
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Detector:	Peak for pre-scan (120kHz resolution bandwidth)
	Quasi-Peak if maximum peak within 6dB of limit

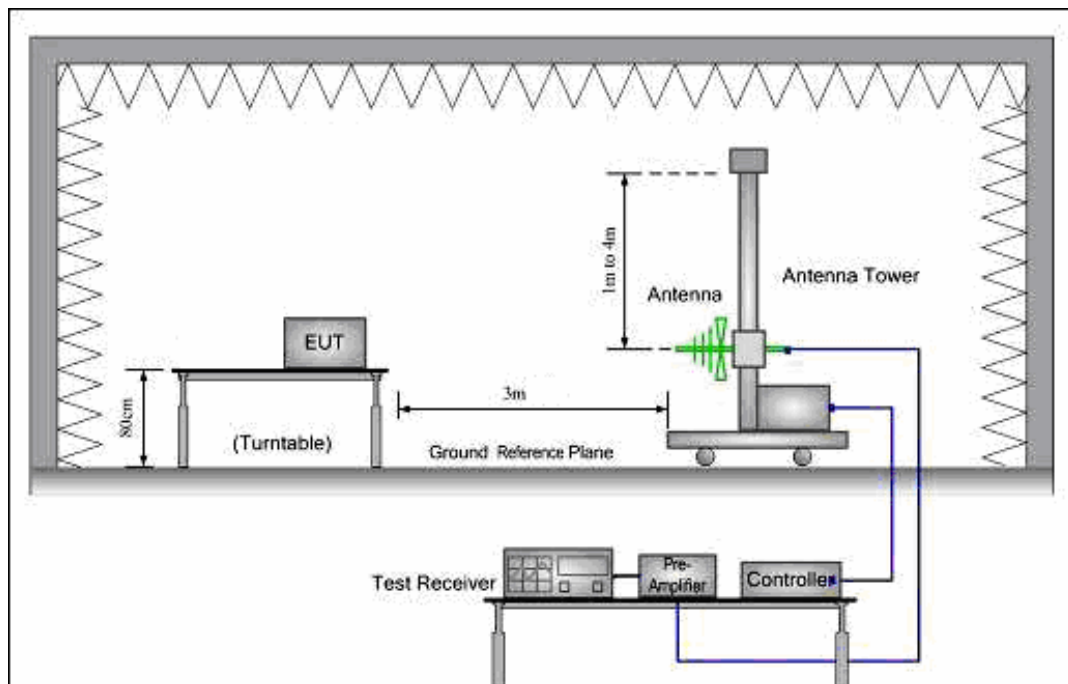
6.2.1 E.U.T. Operation

Temperature:	25°C	Humidity:	55% RH	Atmospheric Pressure:	101	Kpa
Test Mode:	Mode 1/ Mode 2/ Mode 3 /Mode 4					

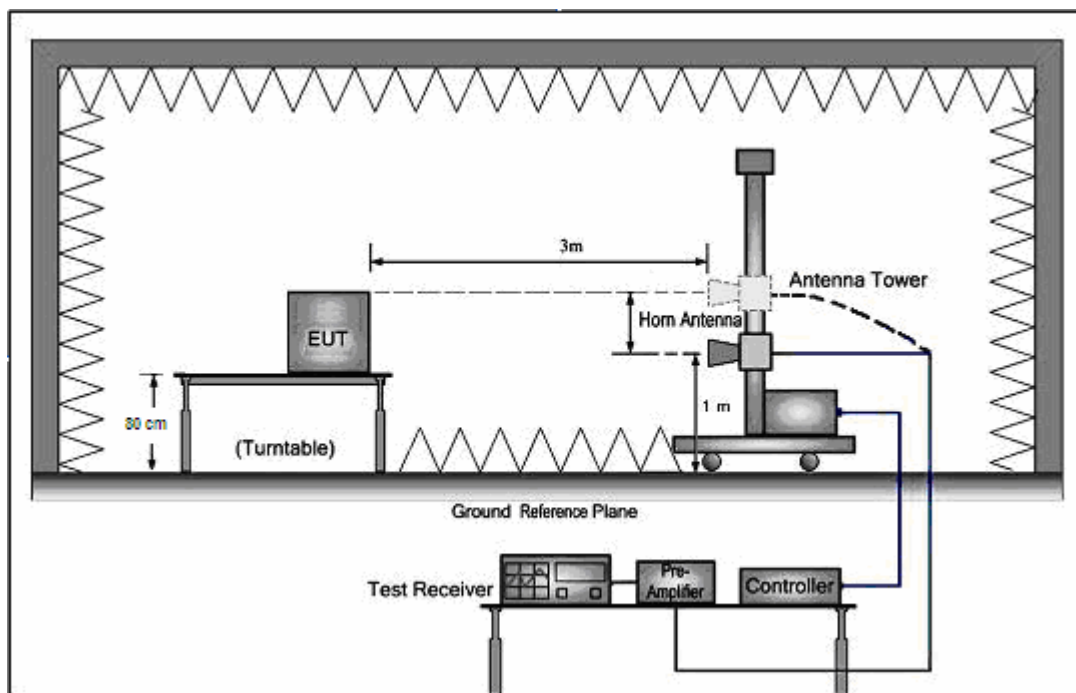
6.2.2 Test Specification

EUT was placed upon a wooden test table which was placed on the turn table 0.8m above the horizontal metal ground plane, and operating in the mode as mentioned above. A receiving antenna was placed 3m away from the EUT. During testing, turn around the turn table and move the antenna from 1m to 4m to find the maximum field-strength reading. All peripherals were placed at a distance of 10cm between each other. Both horizontal and vertical antenna polarities were tested.

30 MHz to 1 GHz emissions:



1 GHz to 6 GHz emissions:



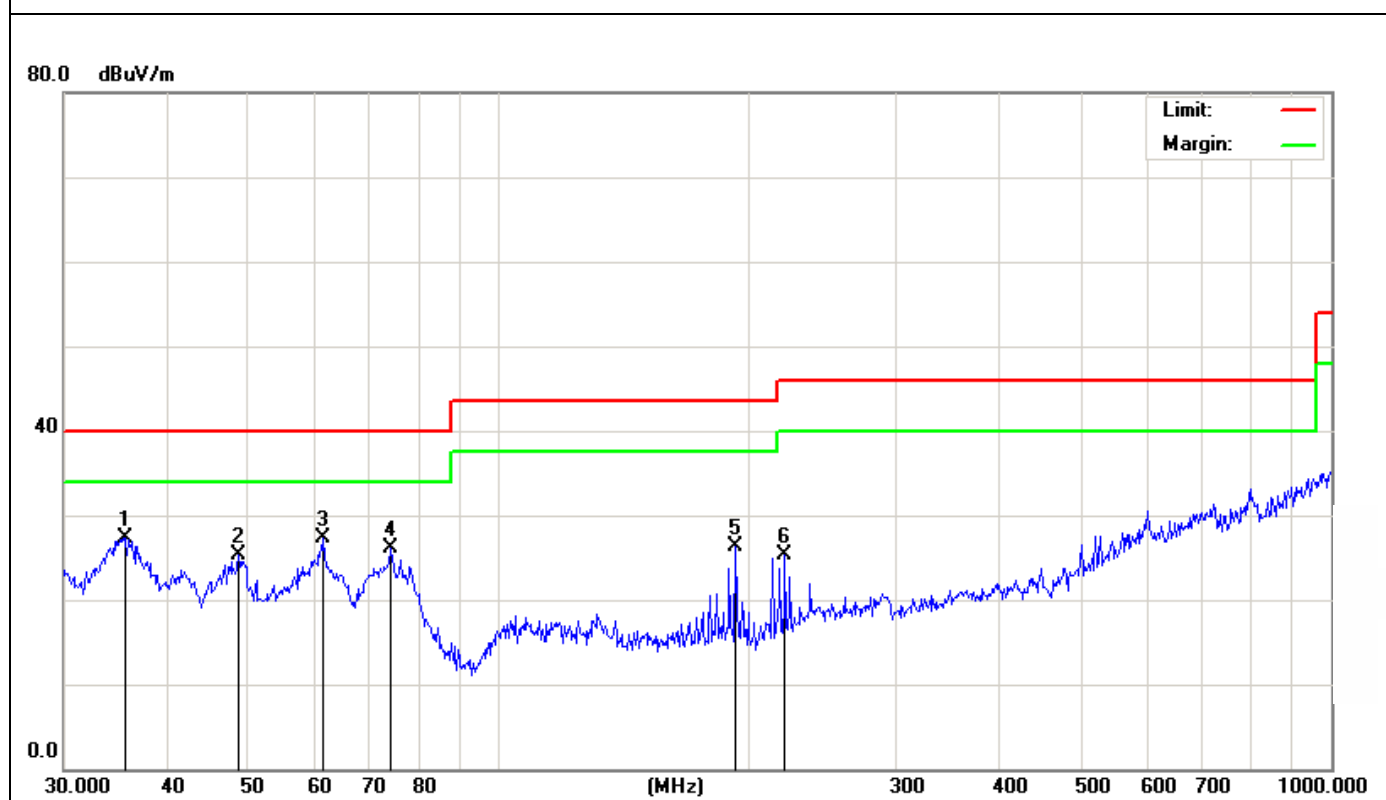
6.2.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyzers in peak detection mode. The EUT was measured by Biology antenna with 2 orthogonal polarities and peak emissions from the EUT were detected within 6dB of the class B limit line.

The following quasi-peak measurements were performed on the EUT.

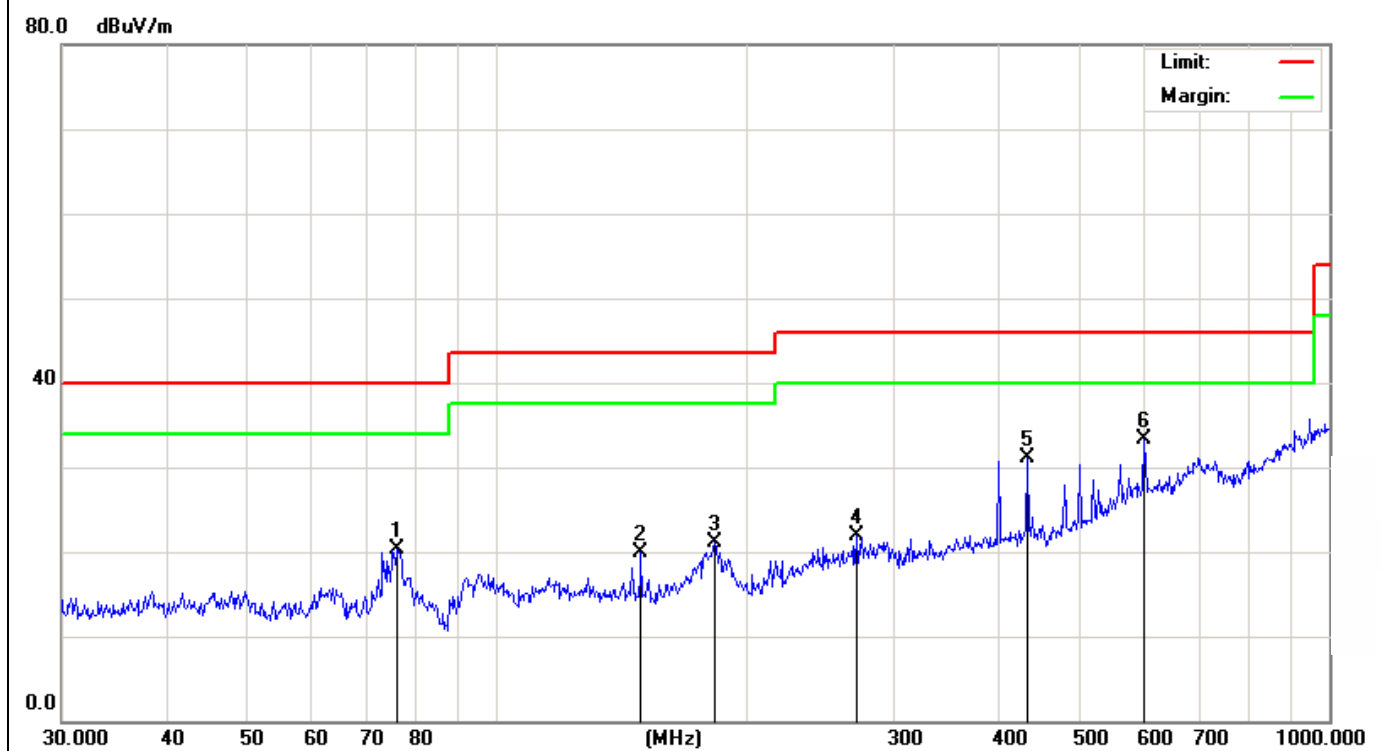
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 1			Phase :	Vertical	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
35.6240	44.18	-16.78	27.40	40.00	-12.60	Quasi-Peak
48.6719	43.76	-18.46	25.30	40.00	-14.70	Quasi-Peak
61.5617	46.64	-19.34	27.30	40.00	-12.70	Quasi-Peak
74.1350	45.21	-19.17	26.04	40.00	-13.96	Quasi-Peak
192.4185	40.96	-14.56	26.40	43.50	-17.10	Quasi-Peak
220.6170	39.01	-13.71	25.30	46.00	-20.70	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



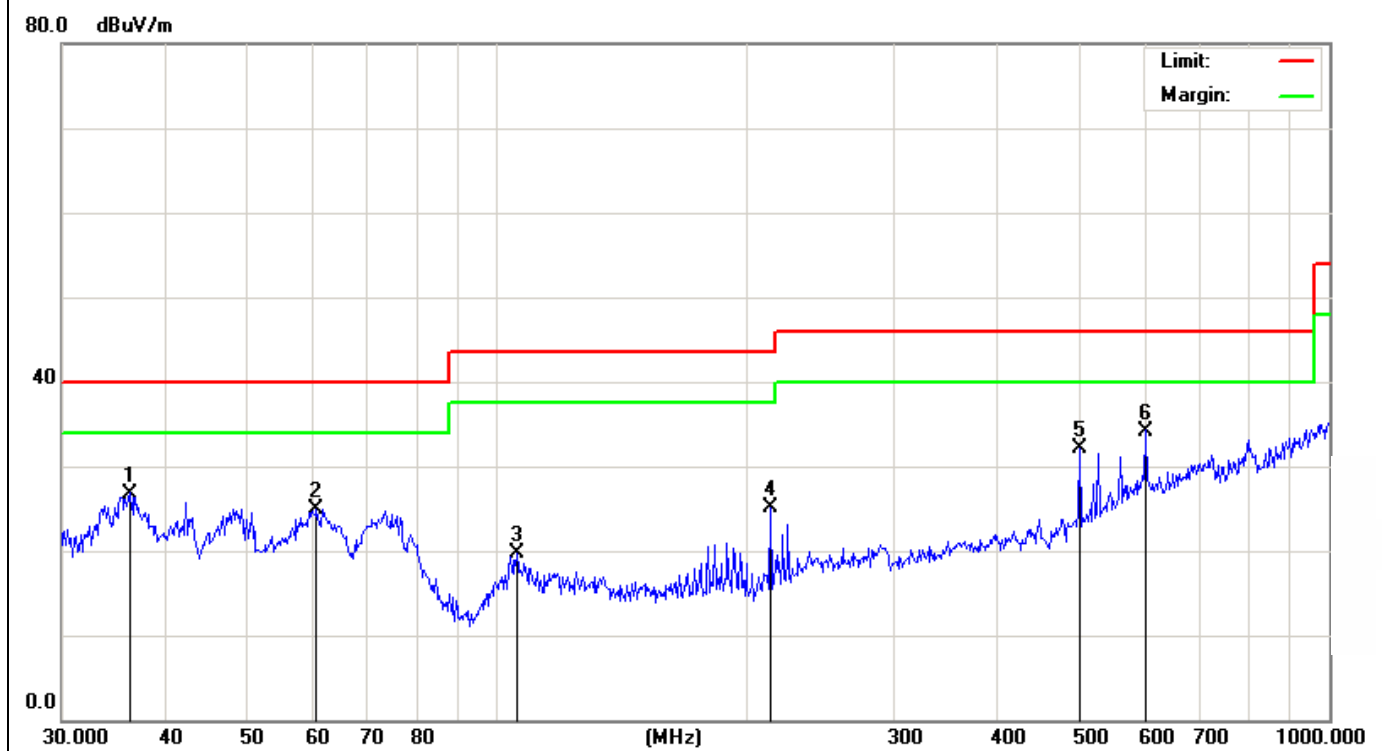
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 1			Phase :	Horizontal	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
75.9772	39.18	-18.88	20.30	40.00	-19.70	Quasi-Peak
148.9625	35.51	-15.61	19.90	43.50	-23.60	Quasi-Peak
182.5592	31.75	-10.55	21.20	43.50	-22.30	Quasi-Peak
270.3747	33.01	-11.02	21.99	46.00	-24.01	Quasi-Peak
434.0649	37.81	-6.61	31.20	46.00	-14.80	Quasi-Peak
599.3211	35.13	-1.73	33.40	46.00	-12.60	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



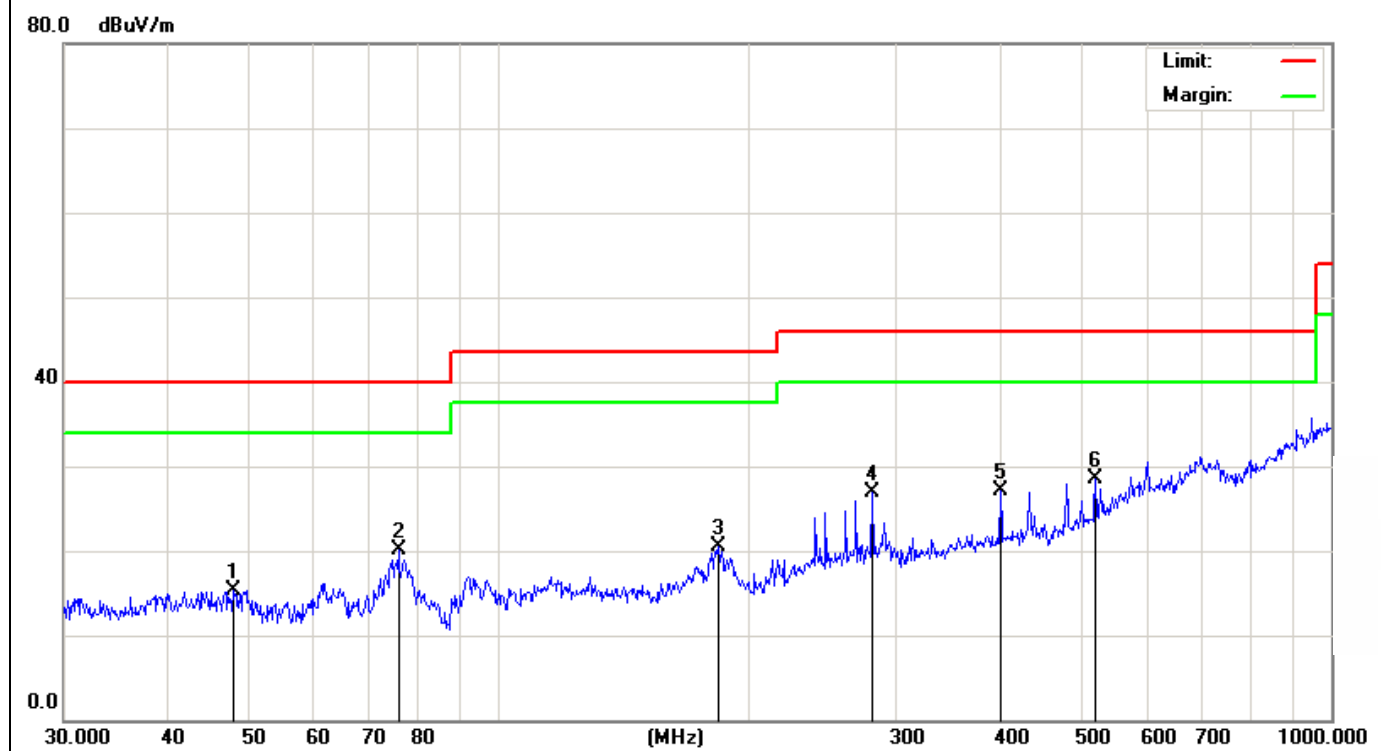
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 2			Phase :	Vertical	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
36.2541	43.54	-16.74	26.80	40.00	-13.20	Quasi-Peak
60.7043	44.28	-19.38	24.90	40.00	-15.10	Quasi-Peak
105.6414	33.24	-13.54	19.70	43.50	-23.80	Quasi-Peak
213.0150	39.43	-14.33	25.10	43.50	-18.40	Quasi-Peak
501.1788	37.71	-5.61	32.10	46.00	-13.90	Quasi-Peak
601.4265	35.09	-0.89	34.20	46.00	-11.80	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



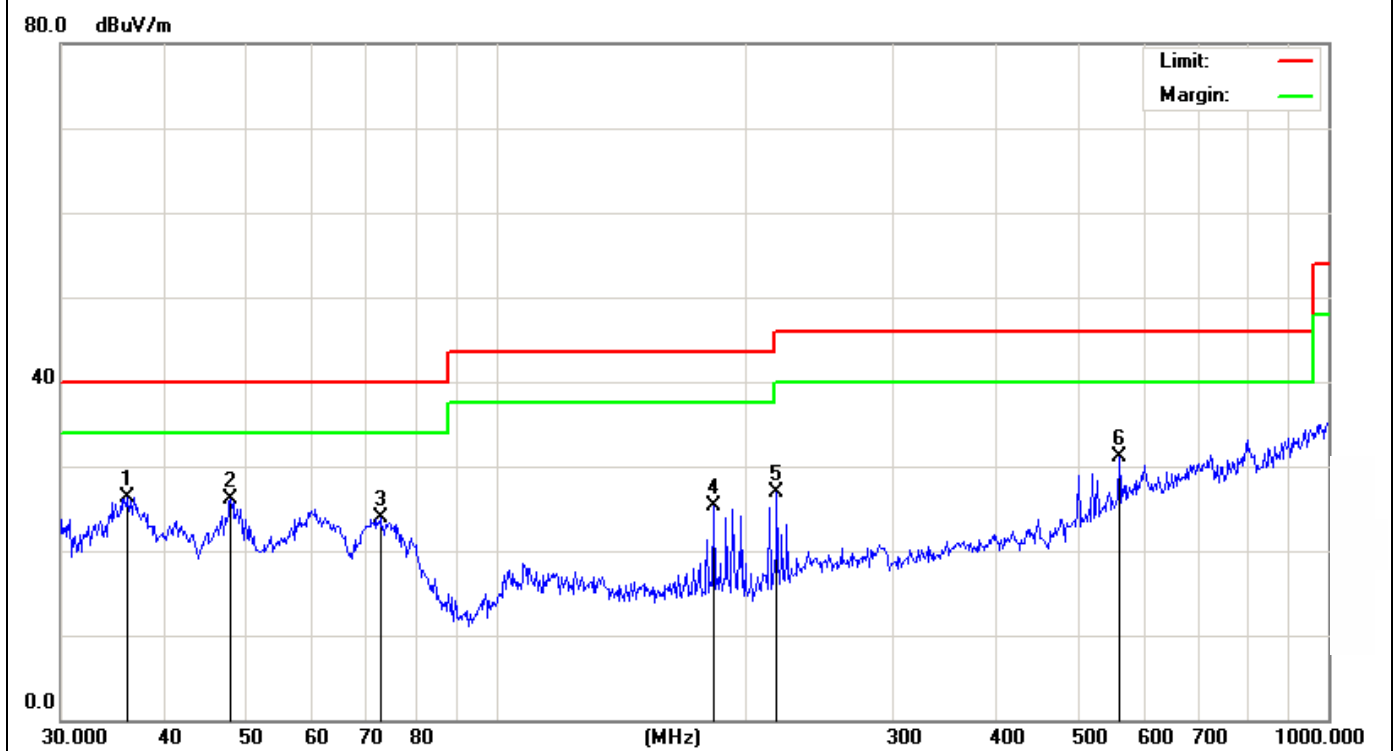
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 2			Phase :	Horizontal	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
47.9939	29.62	-14.22	15.40	40.00	-24.60	Quasi-Peak
75.7113	38.98	-18.88	20.10	40.00	-19.90	Quasi-Peak
183.2005	30.98	-10.48	20.50	43.50	-23.00	Quasi-Peak
281.0074	37.13	-10.23	26.90	46.00	-19.10	Quasi-Peak
400.4318	34.09	-6.89	27.20	46.00	-18.80	Quasi-Peak
520.8881	33.47	-4.97	28.50	46.00	-17.50	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



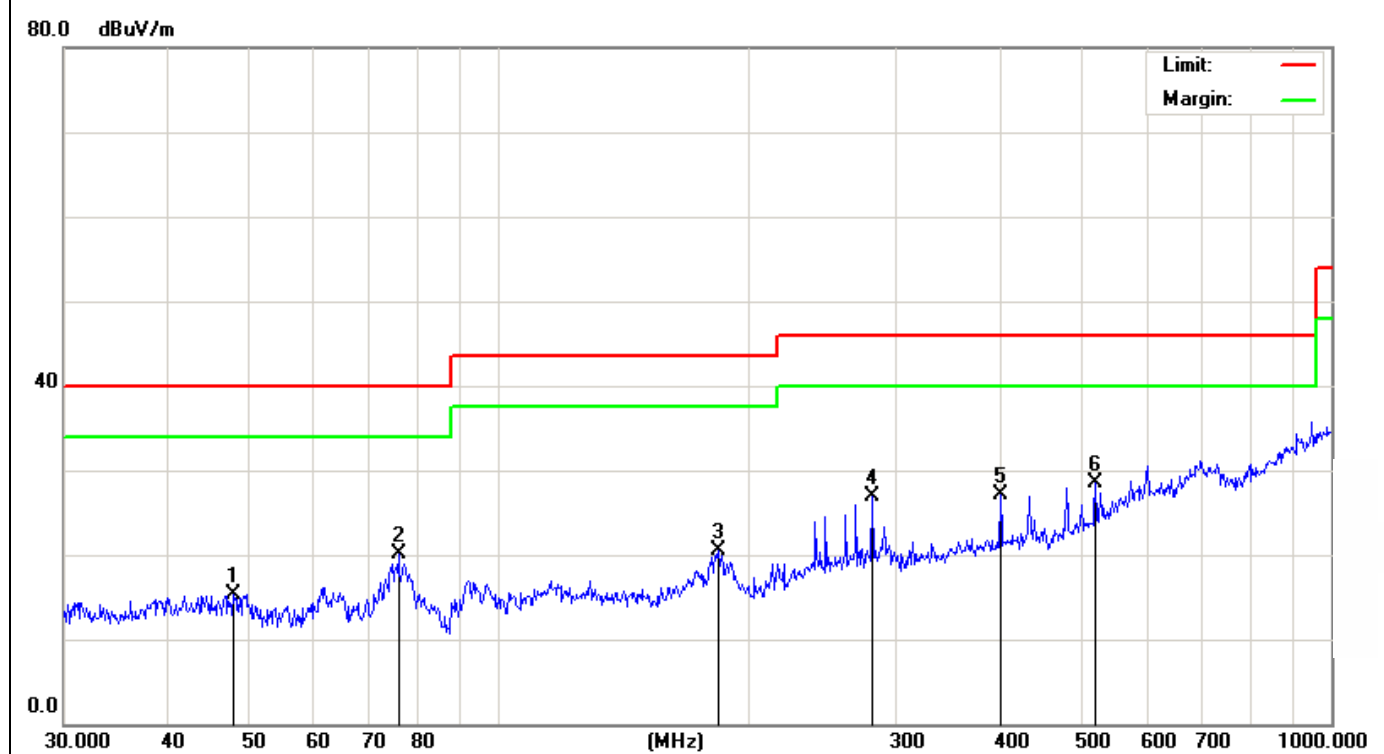
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 3			Phase :	Vertical	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
36.0007	43.16	-16.76	26.40	40.00	-13.60	Quasi-Peak
47.9939	44.44	-18.34	26.10	40.00	-13.90	Quasi-Peak
72.5916	43.10	-19.10	24.00	40.00	-16.00	Quasi-Peak
182.5592	39.91	-14.61	25.30	43.50	-18.20	Quasi-Peak
217.5442	40.88	-13.98	26.90	46.00	-19.10	Quasi-Peak
560.6928	34.64	-3.44	31.20	46.00	-14.80	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



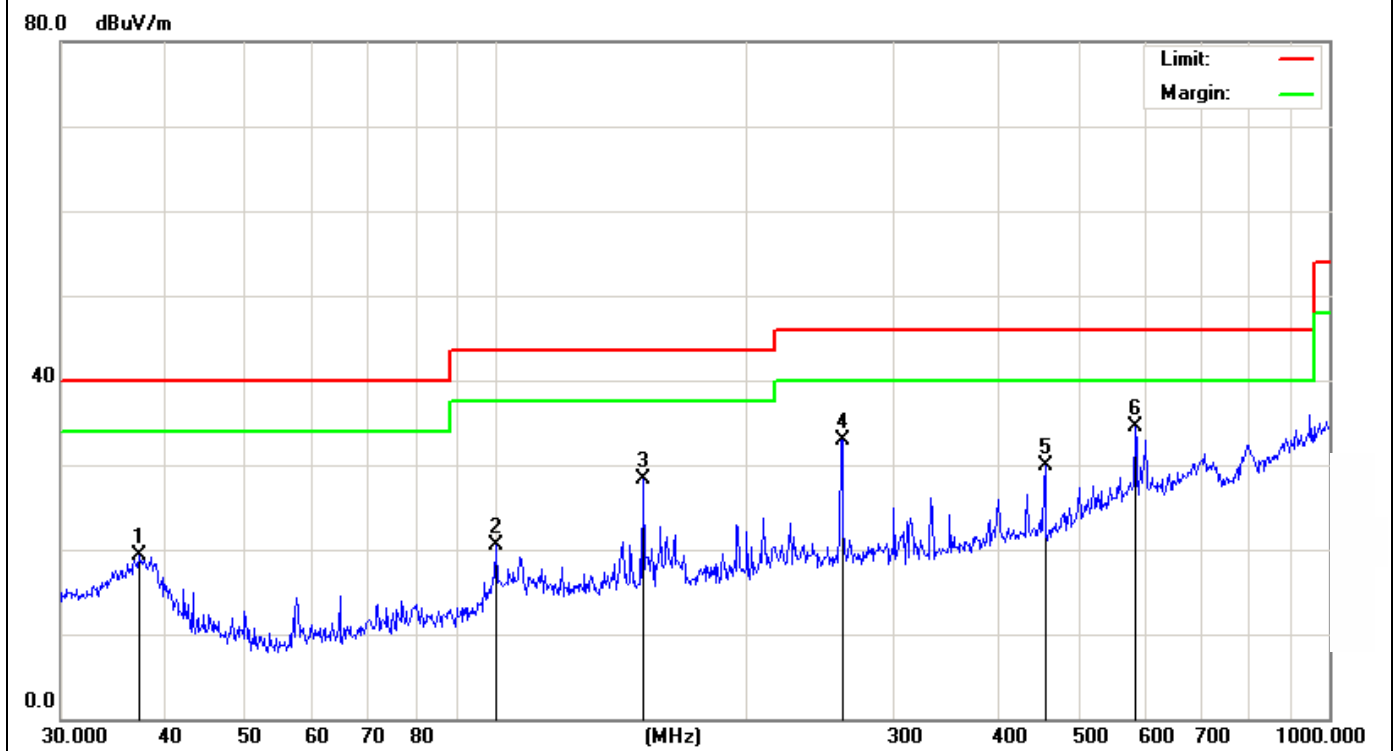
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 3			Phase :	Horizontal	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
47.9939	29.62	-14.22	15.40	40.00	-24.60	Quasi-Peak
75.7113	38.98	-18.88	20.10	40.00	-19.90	Quasi-Peak
183.2005	30.98	-10.48	20.50	43.50	-23.00	Quasi-Peak
281.0074	37.13	-10.23	26.90	46.00	-19.10	Quasi-Peak
400.4318	34.09	-6.89	27.20	46.00	-18.80	Quasi-Peak
520.8881	33.47	-4.97	28.50	46.00	-17.50	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



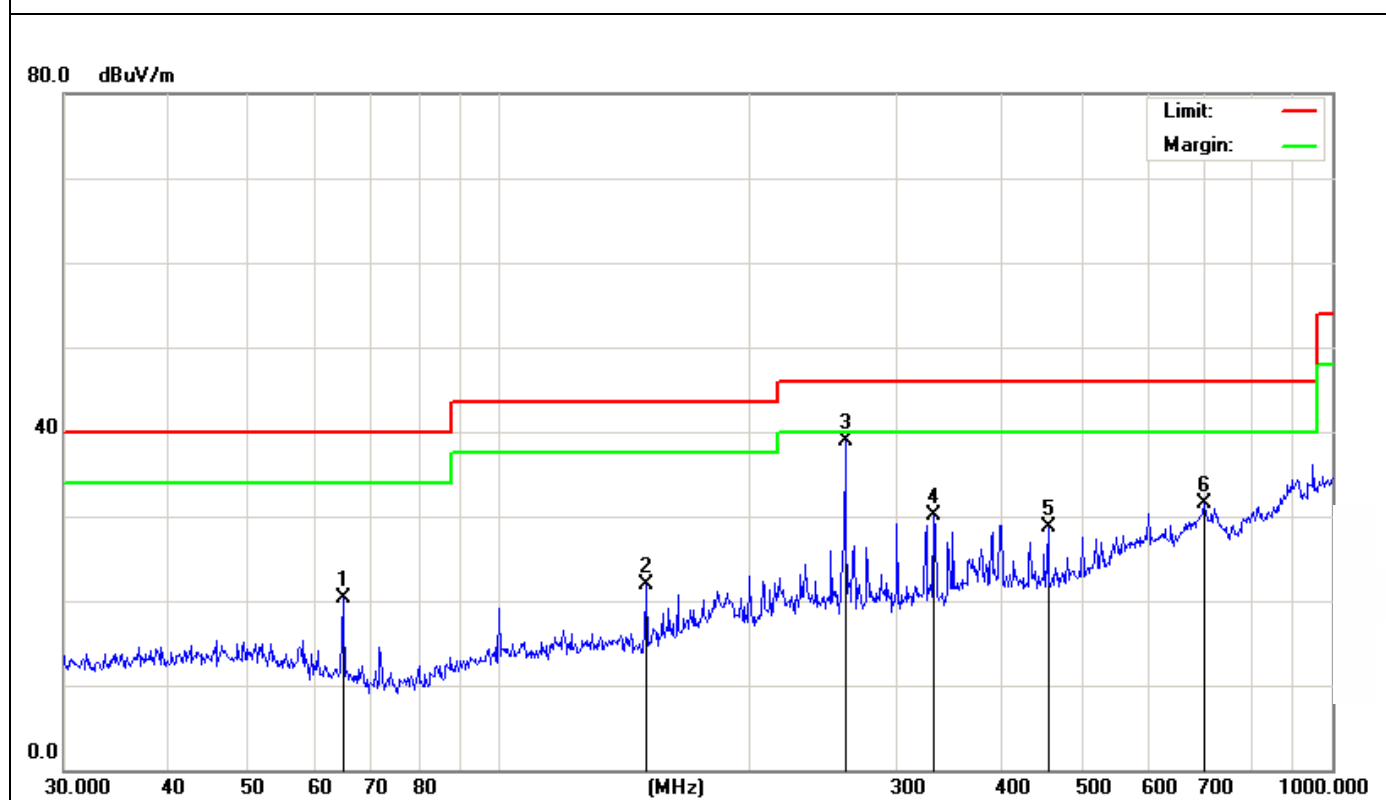
Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 4			Phase :	Vertical	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
37.2855	36.08	-16.70	19.38	40.00	-20.62	Quasi-Peak
99.8777	34.60	-14.08	20.52	43.50	-22.98	Quasi-Peak
150.0108	43.74	-15.40	28.34	43.50	-15.16	Quasi-Peak
260.1444	43.82	-10.83	32.99	46.00	-13.01	Quasi-Peak
455.9058	36.90	-6.92	29.98	46.00	-16.02	Quasi-Peak
584.7895	36.96	-2.41	34.55	46.00	-11.45	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



Model name:	Y88X			Test Date :	2015-12-07	
Test Mode:	Mode 4			Phase :	Horizontal	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
64.8865	37.68	-17.43	20.25	40.00	-19.75	Quasi-Peak
150.0108	37.56	-15.70	21.86	43.50	-21.64	Quasi-Peak
260.1444	49.73	-10.83	38.90	46.00	-7.10	Quasi-Peak
332.5187	38.82	-8.67	30.15	46.00	-15.85	Quasi-Peak
455.9058	35.61	-6.92	28.69	46.00	-17.31	Quasi-Peak
701.7610	31.16	0.32	31.48	46.00	-14.52	Quasi-Peak

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



1GHz~7.5GHz

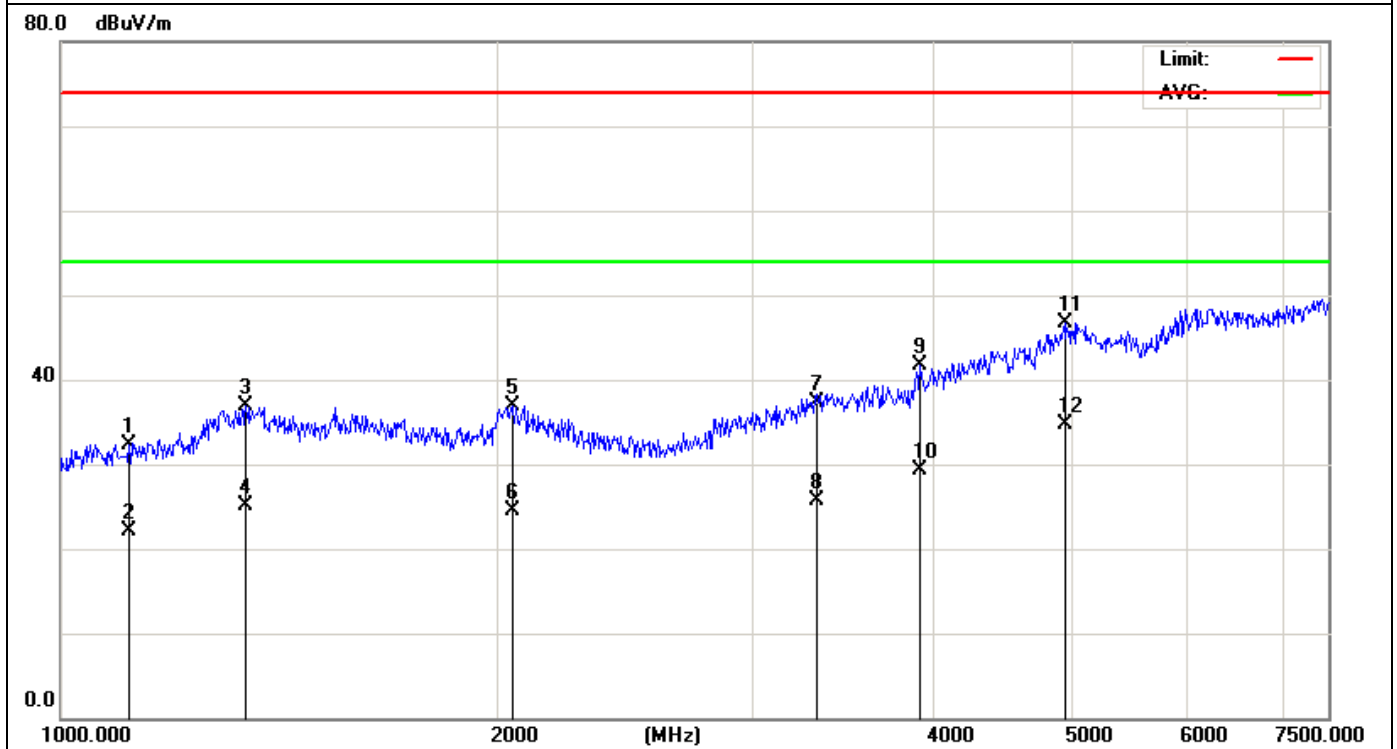
Model name:	Y88X			Test Date :	2015-12-17	
Test Mode:	Mode 4 (worst-case)			Phase :	Vertical	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
1208.525	45.59	-10.59	35.00	74.00	-39.00	peak
1208.525	33.75	-10.59	23.16	54.00	-30.84	AVG
1845.094	44.22	-9.42	34.80	74.00	-39.20	peak
1845.094	32.46	-9.42	23.04	54.00	-30.96	AVG
2256.965	39.51	-6.91	32.60	74.00	-41.40	peak
2256.965	28.10	-6.91	21.19	54.00	-32.81	AVG
3935.878	41.03	3.37	44.40	74.00	-29.60	peak
3935.878	29.87	3.37	33.24	54.00	-20.76	AVG
4882.848	42.76	5.14	47.90	74.00	-26.10	peak
4882.848	31.43	5.14	36.57	54.00	-17.43	AVG
6021.152	41.52	4.08	45.60	74.00	-28.40	peak
6021.152	29.76	4.08	33.84	54.00	-20.16	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



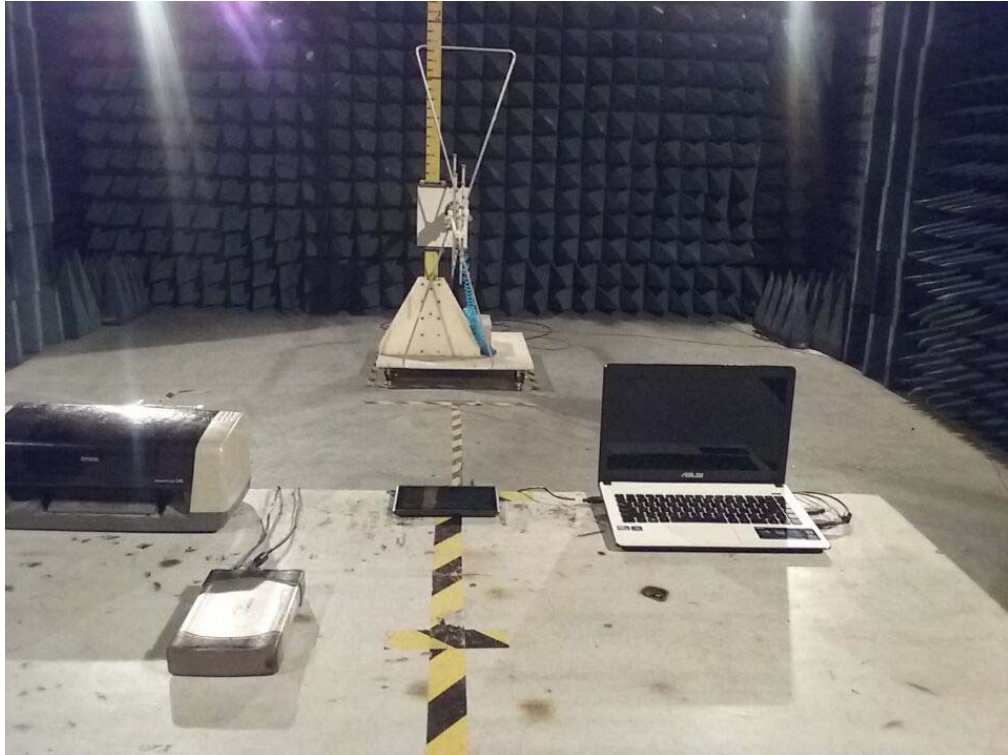
Model name:	Y88X			Test Date :	2015-12-17	
Test Mode:	Mode 4 (worst-case)			Phase :	Horizontal	
Test Voltage:	AC 120V/60Hz					
Frequency (MHz)	Meter Reading (dBμV)	Factor(dB)	Emission Level (dBμV)	Limits (dBμV)	Over (dB)	Detector
1114.945	43.19	-10.79	32.40	74.00	-41.60	peak
1114.945	32.85	-10.79	22.06	54.00	-31.94	AVG
1342.020	47.30	-10.30	37.00	74.00	-37.00	peak
1342.020	35.41	-10.30	25.11	54.00	-28.89	AVG
2048.905	45.68	-8.68	37.00	74.00	-37.00	peak
2048.905	33.27	-8.68	24.59	54.00	-29.41	AVG
3329.75	38.31	-1.01	37.30	74.00	-36.70	peak
3329.75	26.79	-1.01	25.78	54.00	-28.22	AVG
3920.049	38.44	3.26	41.70	74.00	-32.30	peak
3920.049	26.12	3.26	29.38	54.00	-24.62	AVG
4942.237	41.59	5.21	46.80	74.00	-27.20	peak
4942.237	29.54	5.21	34.75	54.00	-19.25	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



6.2.4 Test Setup photograph

Mode 4



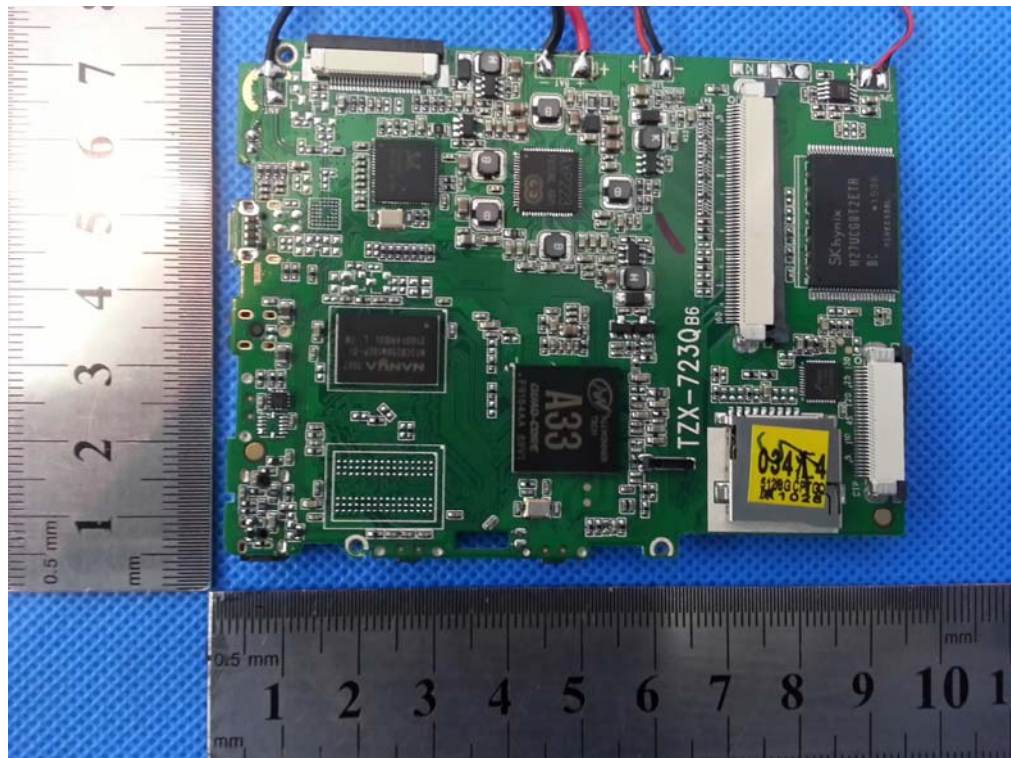
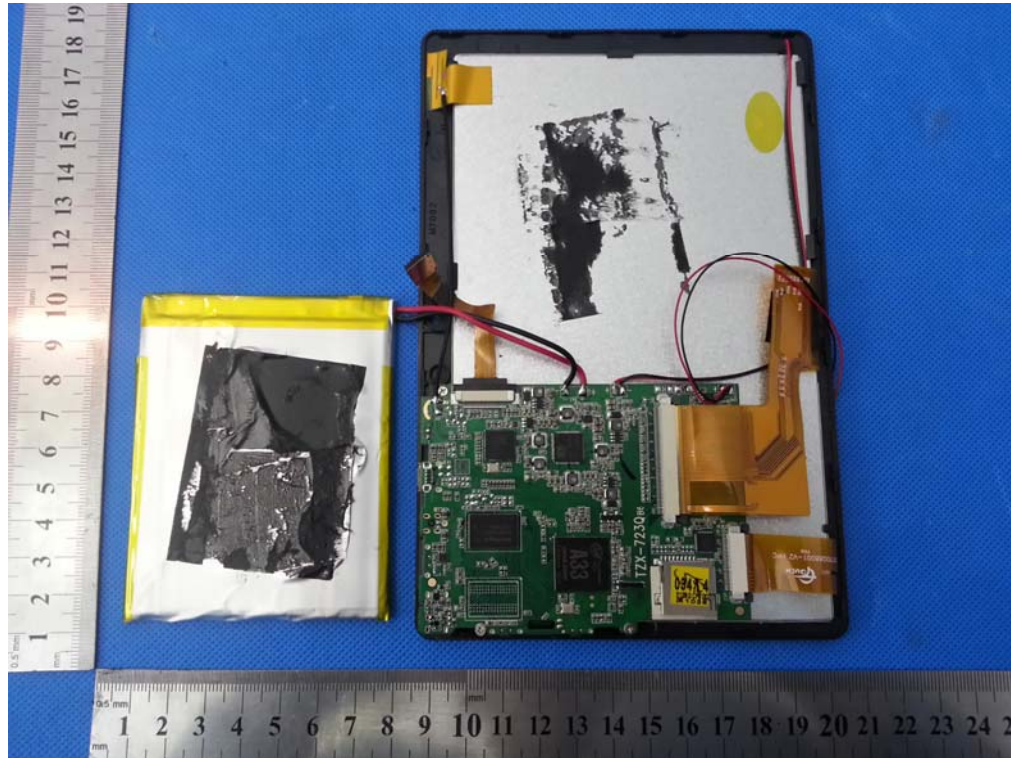
7 APPENDIX-Photographs of EUT Constructional Details

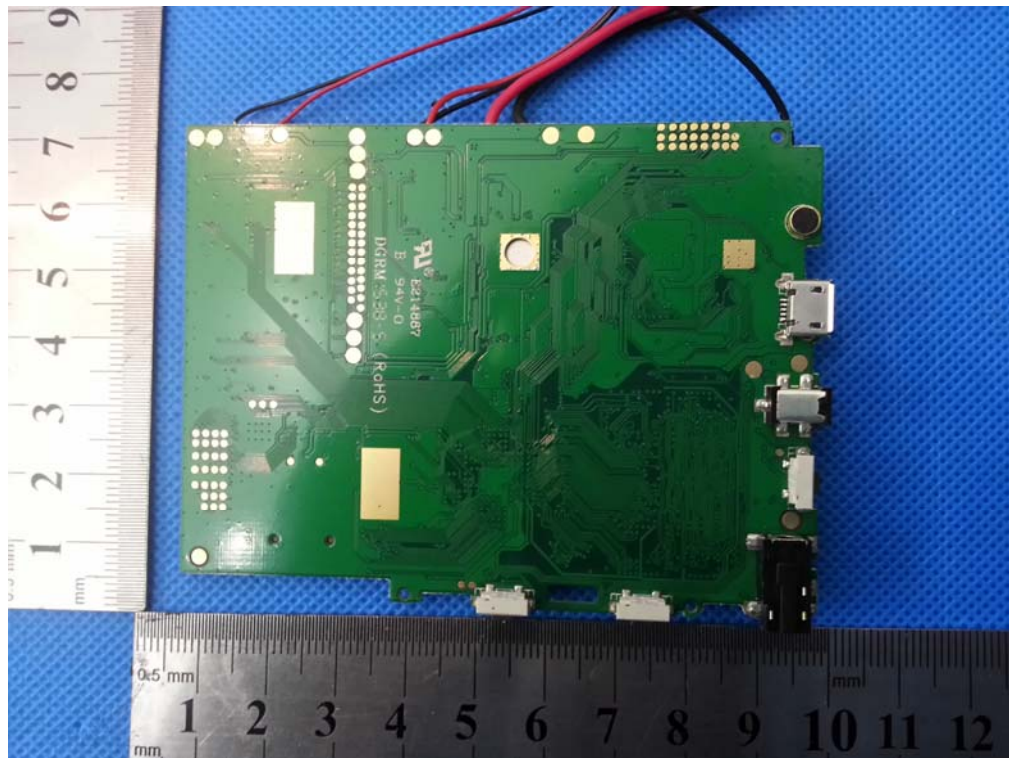


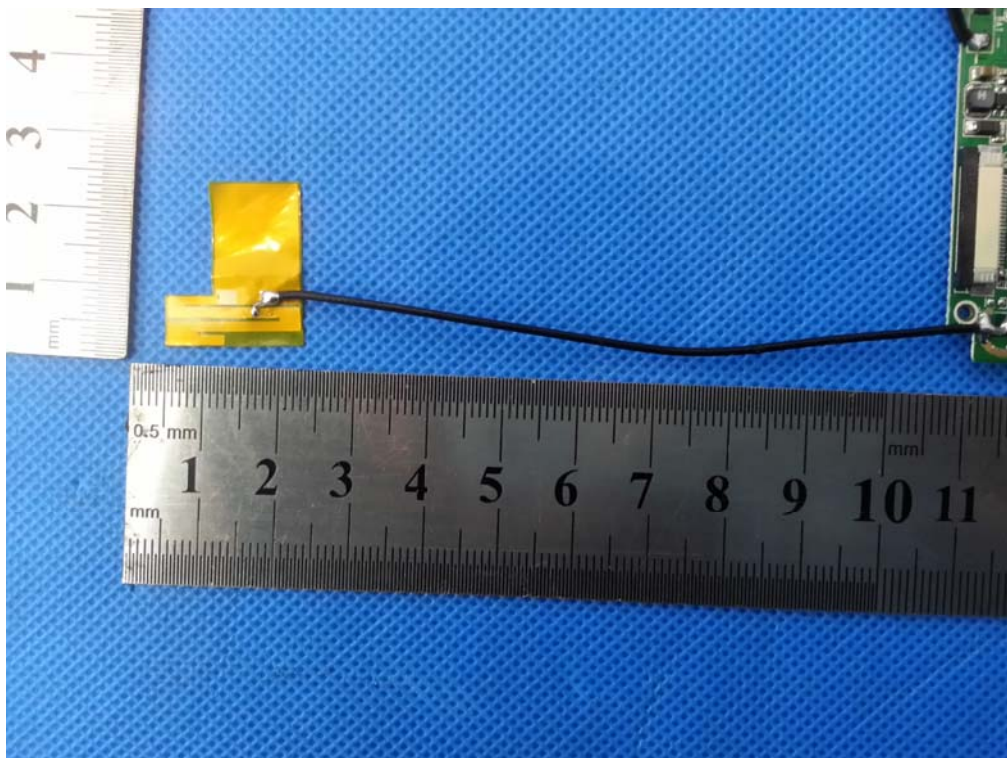
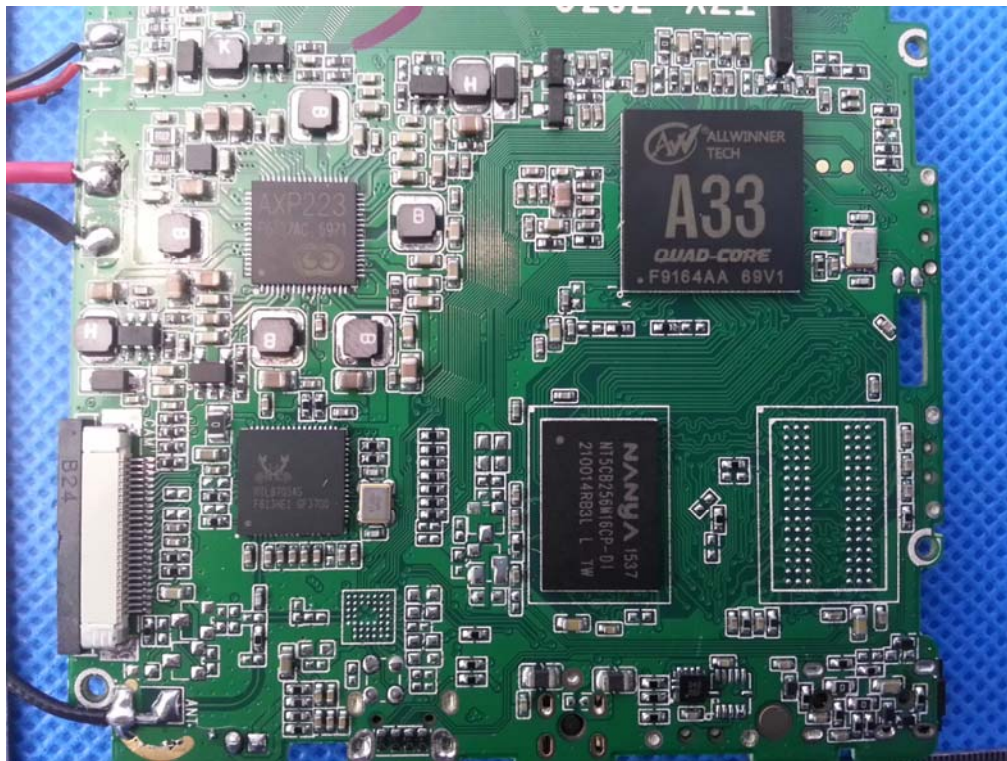


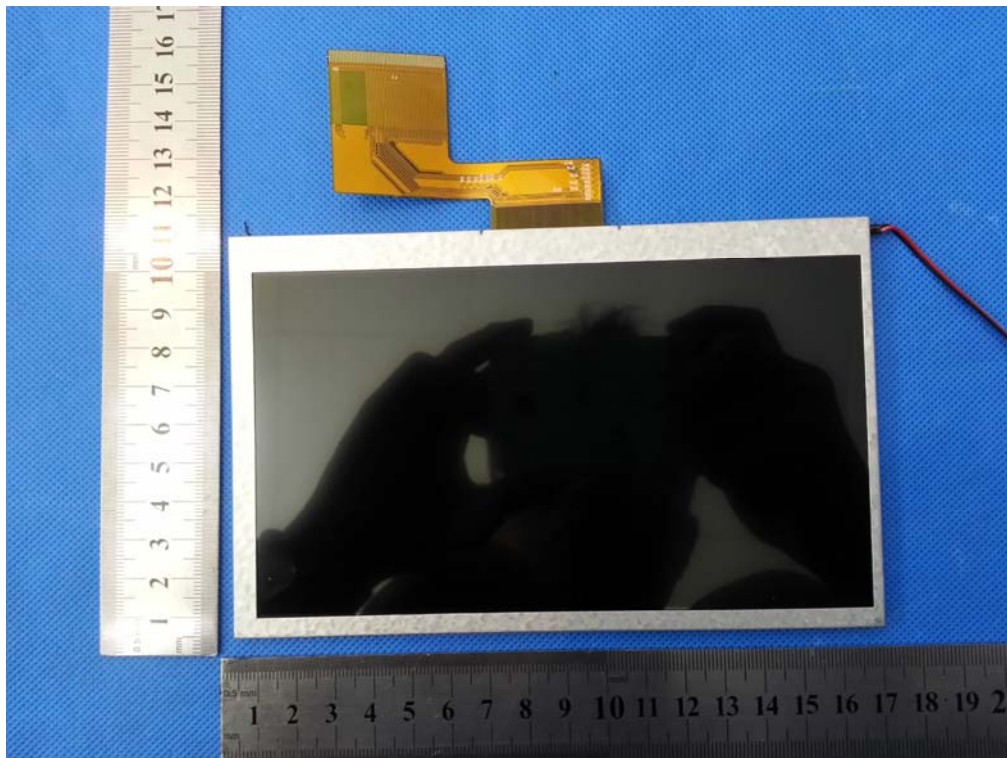


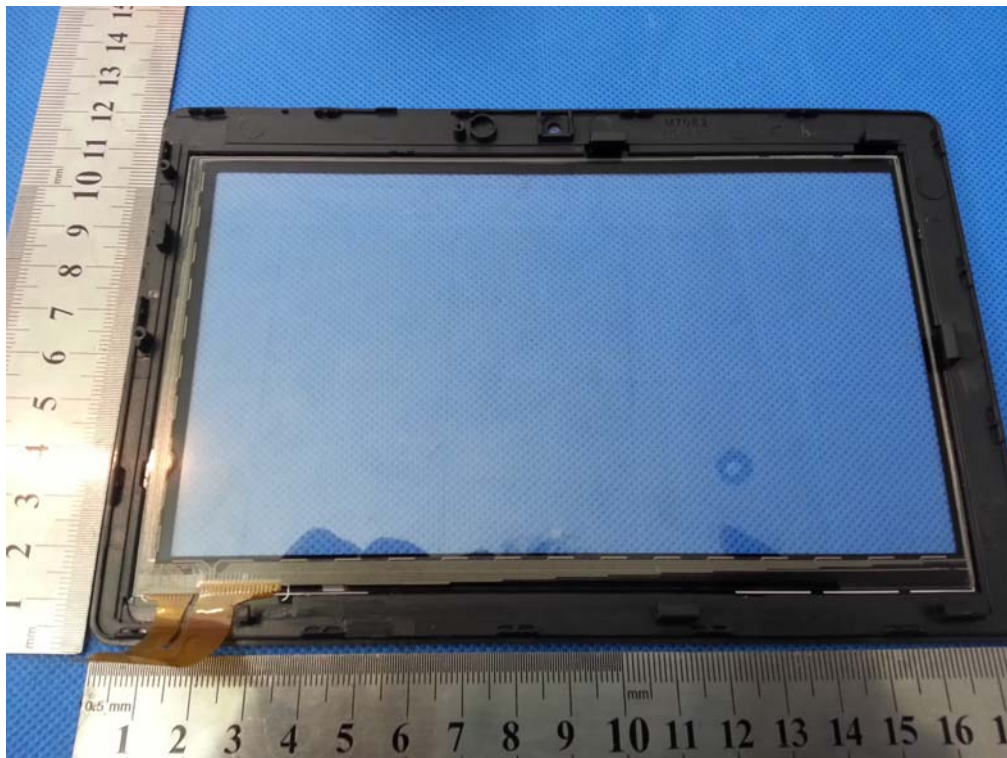


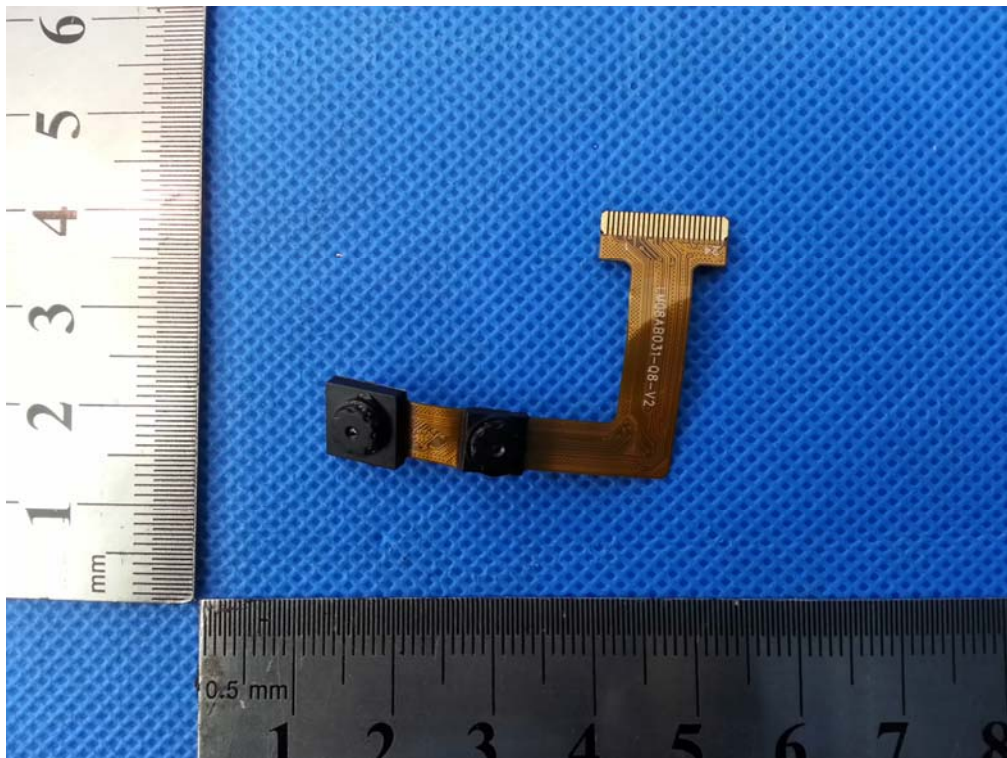
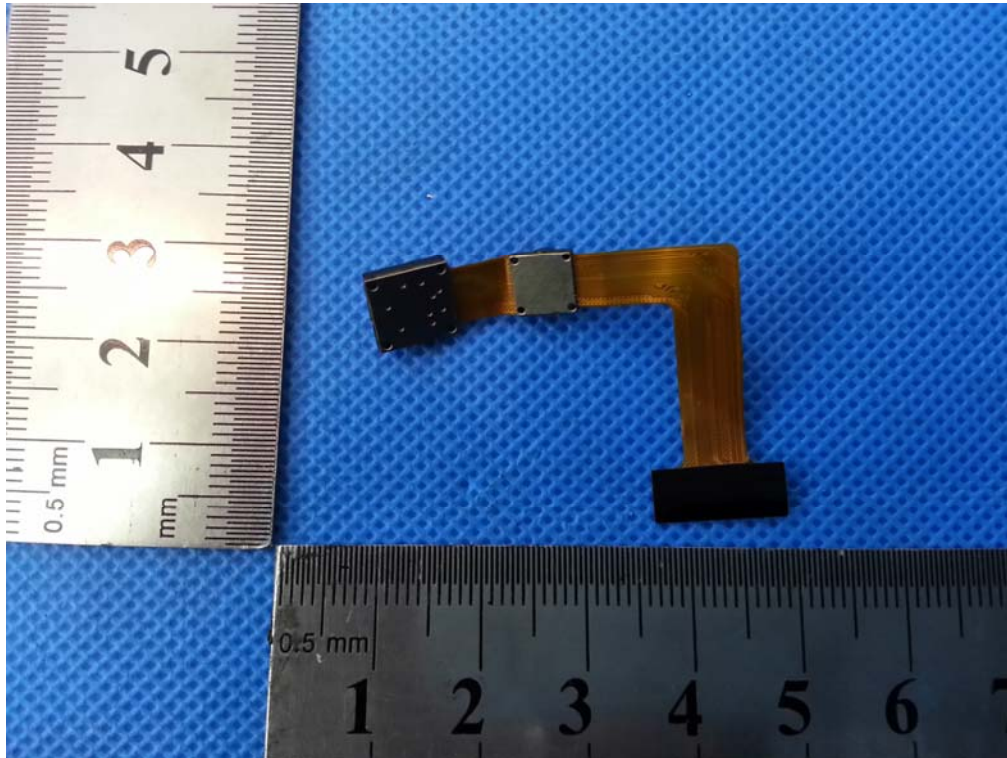


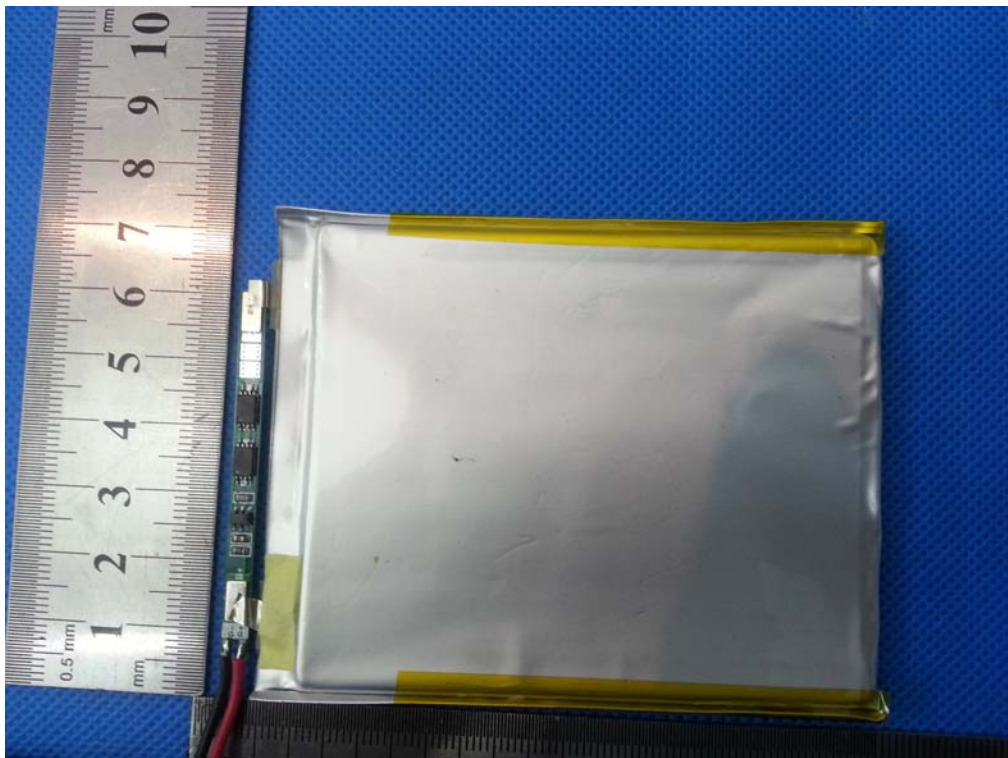
















****End of Report****