Shenzhen Huatongwei International Inspection Co., Ltd.

Keji S,12th, Road, Hi-tech Industrial Park, Shenzhen, Guangdong, China Phone:86-755-26748099 Fax:86-755-26748089 http://www.szht







FCC TEST REPORT

47 CFR FCC Part 15 Subpart B

FCC ID	T37PL7070-COM			
Report Reference No	TRE13080071 R/C:4019			
Compiled by		T,		
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Approved by		1 (24)		
(position+printed name+signature):	Manager Wenliang Li	wendany		
Date of issue	Sep 22, 2013			
Testing Laboratory Name:	Shenzhen Huatongwei Int	ternational Inspection Co., Ltd		
Address	Keji Nan No.12 Road, Hi-te	ch Park, Shenzhen, China		
Applicant's name	Asoka USA Corporation			
Address	2620 Augustine Drive Suite	230 Santa Clara, CA 95054 USA		
Test specification:				
Standard:	47 CFR FCC Part 15 Subp	part B - Unintentional Radiators		
	ANSI C63.4: 2009			
TRF Originator	.: Shenzhen Huatongwei International Inspection CO., Ltd			

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Master TRF.....:

Dated 2006-06

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Test item description:	PLC/RS-485 Adapter
Trade Mark	
Model/Type reference	PL7070-COM
Operation Frequency:	From 2MHz to 30MHz
Listed Models:	1
Result:	Positive

TEST REPORT

Test Report No. :	TRE13080071	Sep 22, 2013
	IRE13000071	Date of issue

Equipment under Test : PLC/RS-485 Adapter

Model /Type : PL7070-COM

Listed Models : /

Applicant : Asoka USA Corporation.

Address : 2620 Augustine Drive Suite 230 Santa Clara, CA 95054

USA

Manufacturer : Asoka Shenzhen Limited

Address Room 1701,17/F., Fiyta Hi Tech Building, Gao-Xin Rd,

South, Shenzhen, PR China

Test Result according to the standards on page 4:	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Report No.: TRE13080071 Page 3 of 27 Issued: 2013-09-22

Contents

<u>1.</u>	TEST STANDARDS	4
<u>2.</u>	SUMMARY	<u> 5</u>
2.1.	General Remarks	5
2.2.	Equipment Under Test	5
2.3.	Short description of the Equipment under Test (EUT)	5
2.4.	EUT operation mode	5
2.5.	Related Submittal(s) / Grant (s)	5 5
2.6.	Modifications	
2.7.	Configuration of Tested System	6
<u>3.</u>	TEST ENVIRONMENT	7
3.1.	Address of the test laboratory	7
3.2.	Test Facility	7
3.3.	Environmental conditions	8
3.4.	Statement of the measurement uncertainty	8
3.5.	Equipments Used during the Test	9
<u>4.</u>	TEST CONDITIONS AND RESULTS	10
4.1.	Conducted Emissions Test	10
4.2.	Radiated Emission Test	14
<u>5.</u>	TEST SETUP PHOTOS OF THE EUT	20
<u>6.</u>	EXTERNAL AND INTERNAL PHOTOS OF THE EUT	22

Report No.: TRE13080071 Page 4 of 27 Issued: 2013-09-22

1. TEST STANDARDS

The tests were performed according to following standards:

47 CFR FCC Part 15 Subpart B - Unintentional Radiators

ANSI C63.4: 2009 – 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 40GHz

Report No.: TRE13080071 Page 5 of 27 Issued: 2013-09-22

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Aug 22, 2013
Testing commenced on	:	Aug 22, 2013
Testing concluded on	:	Sep 22, 2013

2.2. Equipment Under Test

Power supply system utilised

Power supply voltage	:	•	120V / 60 Hz	0	115V / 60Hz
		0	12 V DC	0	24 V DC
		0	Other (specified in blank bel	ow	

/

2.3. Short description of the Equipment under Test (EUT)

The EUT PLC/RS-485 Adapter is an In-House BPL device.

For more details, refer to the user's manual of the EUT.

Sample Type: Prototype

2.4. EUT operation mode

The EUT has been tested under typical operating condition.

2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **T37PL7070-COM** filling to comply with the FCC Part 15, Subpart B Rules.

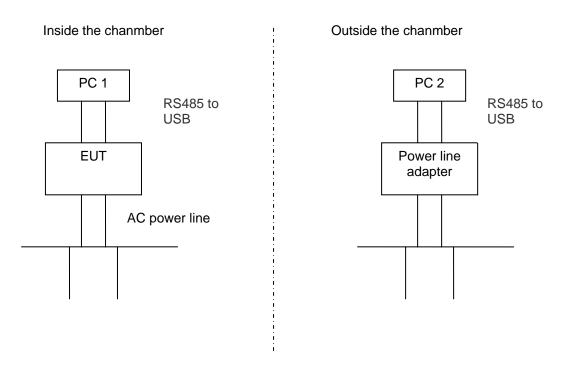
2.6. Modifications

No modifications were implemented to meet testing criteria.

Report No.: TRE13080071 Page 6 of 27 Issued: 2013-09-22

2.7. Configuration of Tested System

Configuration of Tested System



Equipment Used in Tested System

No.	Equipment	Manufacturer	Model No.	Serial No.	Notes
1	PC	DELL	DIMENSION E520	1RNN42X	
2	Notebook PC	DELL	D600	CN-0X2034-48643-428-1379	
3	PLC/RS-485 Adapter	ASOKA	PL7070-COM	1	

2.8. Product Information

As the product operation frequency band from 2MHz to 30MHz.

Product:

Series Number: Y13087070003 Operation frequency: 2MHz-30MHz; Report No.: TRE13080071 Page 7 of 27 Issued: 2013-09-22

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen Huatongwei International Inspection Co., Ltd Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China Phone: 86-755-26715686 Fax: 86-755-26748089

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2009) and CISPR Publication 22.

3.2. Test Facility

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

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: Mar. 01, 2009. Valid time is until Feb. 28, 2015.

A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sep. 30, 2013.

FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 662850, Renewal date Jun. 01, 2012, valid time is until Jun. 01, 2015.

IC-Registration No.: 5377A

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Jan. 25, 2011, valid time is until Jan. 24, 2014.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

VCCI

The 3m Semi-anechoic chamber $(12.2m\times7.95m\times6.7m)$ and Shielded Room $(8m\times4m\times3m)$ of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-292. Date of Registration: Dec. 24, 2010. Valid time is until Dec. 23, 2013.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: Dec. 20, 2009. Valid time is until Dec. 19, 2012.

Telecommunication Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-1837. Date of Registration: May 07, 2010. Valid time is until May 06, 2013.

DNV

Shenzhen Huatongwei International Inspection Co., Ltd. has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025 (2005), in accordance with the requirements of the DNV

Report No.: TRE13080071 Page 8 of 27 Issued: 2013-09-22

Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 950-1050mbar

3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods — Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.24 dB	(1)
Radiated Emission	1~18GHz	5.16 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.35 dB	(1)

⁽¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Report No.: TRE13080071 Page 9 of 27 Issued: 2013-09-22

3.5. Equipments Used during the Test

Cond	Conducted Disturbance						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	100106	2012/10/27		
2	Artificial Mains	ROHDE & SCHWARZ	ESH2-Z5	100028	2012/10/27		
3	Pulse Limiter	ROHDE & SCHWARZ	ESHSZ2	100044	2012/10/27		
4	EMI Test Software	ROHDE & SCHWARZ	ESK1	N/A	N/A		

Radia	Radiated Emission						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	ULTRA-BROADBAND ANTENNA	ROHDE & SCHWARZ	HL562	100015	2012/10/27		
2	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESI 26	100009	2012/10/27		
3	RF TEST PANEL	ROHDE & SCHWARZ	TS / RSP	335015/0017	N/A		
4	TURNTABLE	ETS	2088	2149	N/A		
5	ANTENNA MAST	ETS	2075	2346	N/A		
6	EMI TEST OFTWARE	ROHDE & SCHWARZ	ESK1	N/A	N/A		
7	HORN ANTENNA	ROHDE &SCHWARZ	HF906	100039	2012/10/27		
8	Amplifer	Sonoma	310N	E009-13	2012/10/27		
9	JS amplifer	ROHDE &SCHWARZ	JS4-00101800- 28-5A	F201504	2012/10/27		
10	High pass filter	Compliance Direction systems	BSU-6	34202	2012/10/27		

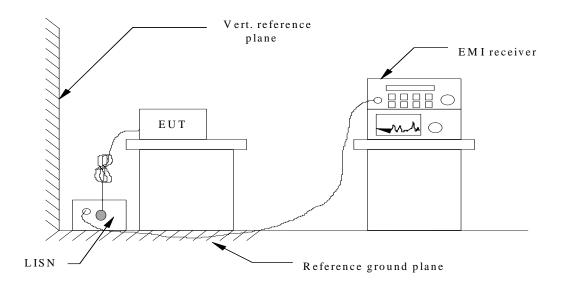
The calibration interval was one year.

Report No.: TRE13080071 Page 10 of 27 Issued: 2013-09-22

4. TEST CONDITIONS AND RESULTS

4.1. Conducted Emissions Test

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2009.
- 2 Support equipment, if needed, was placed as per ANSI C63.4-2009.
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2009.
- 4 The EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

Report No.: TRE13080071 Page 11 of 27 Issued: 2013-09-22

CONDUCTED POWER LINE EMISSION LIMIT

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following:

Eroguanav	Maximum RF Line Voltage (dBμV)					
Frequency (MHz)	CLA	SS A	CLASS B			
(IVITIZ)	Q.P.	Ave.	Q.P.	Ave.		
0.15 - 0.50	79	66	66-56*	56-46*		
0.50 - 5.00	73	60	56	46		
5.00 - 30.0	73	60	60	50		

For unintentional device, according to § 15.107(c) Line Conducted Emission Limits is as following:

Frequency (KHz)	Maximum RF Line Voltage					
535-1705	1000μV	60dBµV				

For In-House BPL devices operating as unintentional radiators below 30 MHz, the conducted emissions shall be measured in the 535 – 1705 kHz band as specified in Section 15.107(c). For In- House BPL devices operating as unintentional radiators above 30 MHz, the conducted emissions shall be measured as specified in Section 15.107(a).

TEST CONDITION

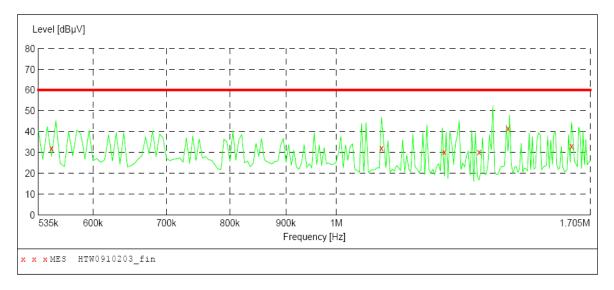
The AC Power Conducted Emission measurement are performed at each of the band rate (1200/9600/19.2k), the datum recorded below (band rate 19.2k) is the worst one and the operating frequency of the EUT as unintentional radiator was blow 30MHz.

TEST RESULTS

Operating frequency blow 30MHz

SCAN TABLE: "FCC-ASO(9K-30M)FIN" Short Description: 150K-30

150K-30M Voltage

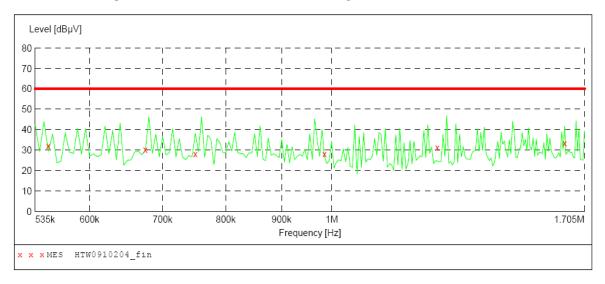


MEASUREMENT RESULT: "HTW0910203 fin"

	2013 9:25 equency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.	.550000	32.20	10.1	60	27.8	OP	N	GND
	100000	32.10	10.2	60	27.9	OP	N	GND
	255000	30.40	10.2	60	29.6	ÕΡ	N	GND
1.	350000	30.30	10.2	60	29.7	ÕP	N	GND
1.	435000	41.60	10.2	60	18.4	QΡ	N	GND
1.	640000	33.10	10.2	60	26.9	ÕP	N	GND

SCAN TABLE: "FCC-ASO (9K-30M) FIN"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "HTW0910204 fin"

9/	10/2013 9:2 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.550000	32.20	10.1	60	27.8	QP	L1	GND
	0.675000	30.40	10.1	60	29.6	QP	L1	GND
	0.750000	28.20	10.1	60	31.8	QP	L1	GND
	0.985000	28.10	10.2	60	31.9	QP	L1	GND
	1.250000	31.30	10.2	60	28.7	QP	L1	GND
	1.635000	33.40	10.2	60	26.6	ÕР	L1	GND

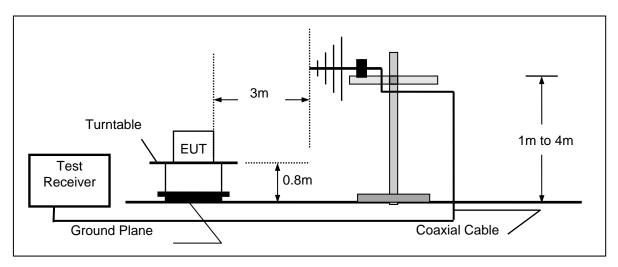
Remark:

- (1) Measuring frequencies from 0.15 MHz to the 30 MHz.
- (2) Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The IF bandwidth of EMI Test Receiver was 9KHz for measuring from 0.15 MHz to 30MHz

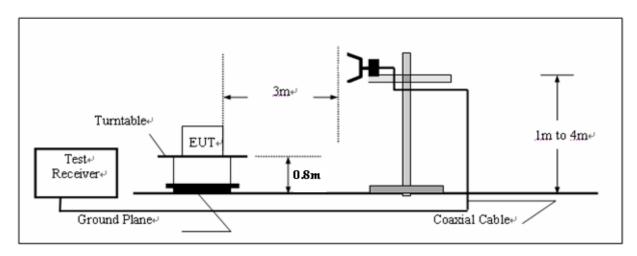
4.2. Radiated Emission Test

TEST CONFIGURATION

a) Radiated Emission Test Set-Up, Frequency below 1000MHz



b) Radiated Emission Test Set-Up, Frequency above 1000MHz



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.

FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

For example

Frequency	FS	RA	AF	CL	AG	Transd
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(dB)	(dB)	(dB)
300.00	40	58.1	12.2	1.6	31.90	-18.1

Transd=AF +CL-AG

RADIATION LIMIT

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

TEST CONDITION

The radiated Emission measurement are performed at each of the band rate (1200/9600/19.2k), the datum recorded below (band rate 19.2k) is the worst one .

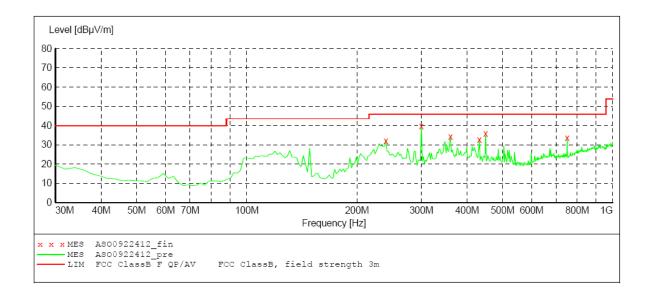
The highest fundamental frequency of the EUT is 150MHz, according to § 15.33(a), the radiated emission

test was performed within the frequency band 30MHz – 2000MHz. The unintentional operating frequency range is 2MHz – 30MHz.

TEST RESULTS

SCAN TABLE: "test Field(30M-1G)QP"

Short Description: Field Strength(30M-1G) Start Stop Step Detector Meas. IF Transcription Frequency Frequency Width Time Bandw.
30.0 MHz 1.0 GHz 60.0 kHz QuasiPeak 1.0 s 120 kHz HL562 Transducer



MEASUREMENT RESULT: "ASO0922412_ fin"

9/22/2013	11:46AM							
Frequenc	y Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MH	z dBuV/m	n dB	dBµV/m	dВ		cm	deg	
239.93988	32.00	-17.3	46.0	14.0	QP	100.0	92.00	HORIZONTAL
300.20040	39.50	-15.3	46.0	6.5	QP	100.0	303.00	HORIZONTAL
360.46092	22 34.20	-14.7	46.0	11.8	QP	100.0	169.00	HORIZONTAL
432.38477	70 32.50	-13.8	46.0	13.5	QP	100.0	221.00	HORIZONTAL
449.87976	35.70	-12.6	46.0	10.3	QP	100.0	180.00	HORIZONTAL
751.18236	55 33.60	-7.7	46.0	12.4	QP	100.0	169.00	HORIZONTAL

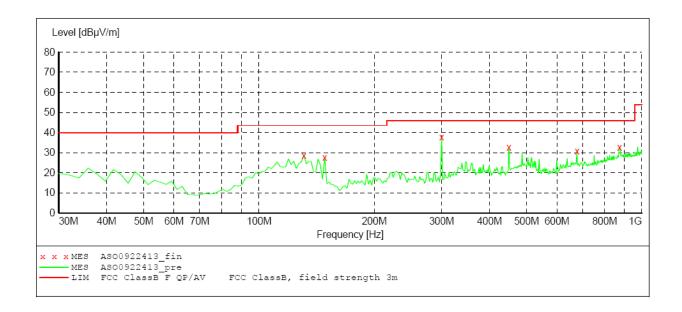
SCAN TABLE: "test Field(30M-1G)QP"

Short Description: Field Strength(30M-1G)

Start Stop Step Detector Meas. IF Transducer

Frequency Frequency Width Time Bandw.

30.0 MHz 1.0 GHz 60.0 kHz QuasiPeak 1.0 s 120 kHz HL562



MEASUREMENT RESULT: "ASO0922413 fin"

9/22/2013 11	:48AM							
Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MHz	dBµV/m	dB	dBµV/m	dB		cm	deg	
131.082164	28.50	-19.0	43.5	15.0	QP	100.0	341.00	VERTICAL
148.577154	27.60	-21.0	43.5	15.9	QP	100.0	86.00	VERTICAL
300.200401	37.60	-15.3	46.0	8.4	QP	100.0	258.00	VERTICAL
449.879760	32.50	-12.6	46.0	13.5	QP	100.0	187.00	VERTICAL
677.314629	30.80	-7.5	46.0	15.2	QP	100.0	151.00	VERTICAL
875.591182	32.70	-4.4	46.0	13.3	QP	100.0	282.00	VERTICAL

Remark:

- (1) Measuring frequencies from 30 MHz to the 1 GHz.
- (2) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 GHz and 1 MHz for measuring above 1 GHz

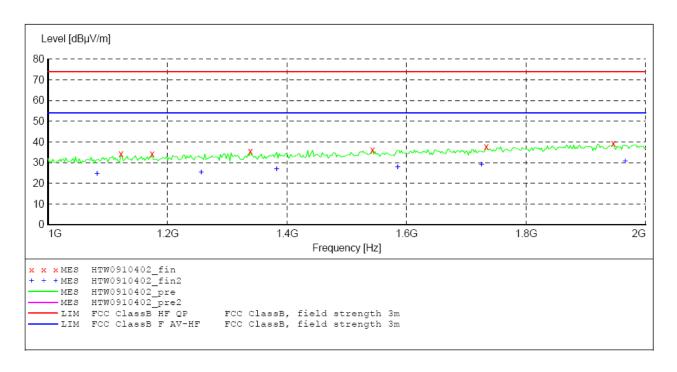
Sweep TABLE: "test Field(1G-2G)QP"

Short Description: Field Strength(1G-2G)

Start Stop Detector IF Transducer

Frequency Frequency Bandw.

1.0 GHz 2.0 GHz MaxPeak 1 MHz HF906



MEASUREMENT RESULT: "HTW0910402 fin"

9/10/2013	1:25PM							
Frequenc	y Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
MF	Hz dBμV/m	dB	dBµV/m	dB		cm	deg	
1122.24448	34.30	-9.4	74.0	39.7	PK	100.0	323.00	HORIZONTAL
1174.34869	34.20	-9.0	74.0	39.8	PK	100.0	65.00	HORIZONTAL
1338.67735	55 35.50	-7.8	74.0	38.5	PK	100.0	138.00	HORIZONTAL
1543.08617	72 36.10	-6.9	74.0	37.9	PK	100.0	349.00	HORIZONTAL
1733.46693	37.70	-5.7	74.0	36.3	PK	100.0	6.00	HORIZONTAL
1945.89178	39.20	-4.0	74.0	34.8	PK	100.0	171.00	HORIZONTAL

MEASUREMENT RESULT: "HTW0910402 fin2 "

9/10/2013 1:2 Frequency MHz	25PM Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1082.164329	24.80	-9.7	54.0	29.2	AV	100.0	239.00	HORIZONTAL
1256.513026	25.40	-8.4	54.0	28.6	AV	100.0	72.00	HORIZONTAL
1382.765531	27.00	-7.5	54.0	27.0	AV	100.0	13.00	HORIZONTAL
1585.170341	28.00	-6.6	54.0	26.0	AV	100.0	213.00	HORIZONTAL
1725.450902	29.30	-5.8	54.0	24.7	AV	100.0	53.00	HORIZONTAL
1965.931864	30.90	-3.9	54.0	23.1	AV	100.0	0.00	HORIZONTAL

Report No.: TRE13080071 Page 19 of 27 Issued: 2013-09-22

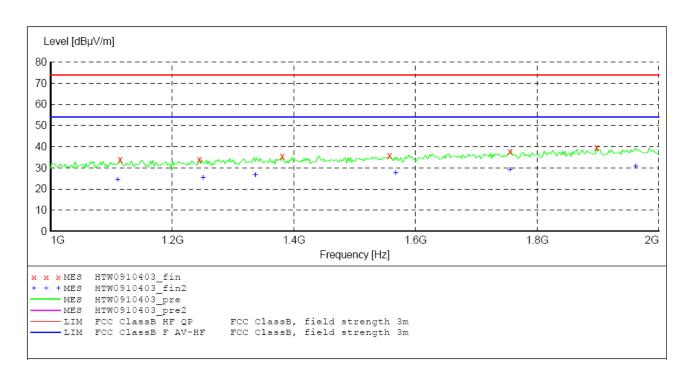
Sweep TABLE: "test Field(1G-2G)QP"

Short Description: Field Strength(1G-2G)

Start Stop Detector IF Transducer

Frequency Frequency Bandw.

1.0 GHz 2.0 GHz MaxPeak 1 MHz HF906



MEASUREMENT RESULT: "HTW0910403 fin"

9/10/2013 1:2 Frequency MHz		Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1114.228457	33.80	-9.5	74.0	40.2	PK	100.0	126.00	VERTICAL
1244.488978	33.90	-8.5	74.0	40.1	PK	100.0	179.00	VERTICAL
1380.761523	35.60	-7.6	74.0	38.4	PK	100.0	0.00	VERTICAL
1557.114228	35.80	-6.8	74.0	38.2	PK	100.0	270.00	VERTICAL
1755.511022	37.90	-5.5	74.0	36.1	PK	100.0	330.00	VERTICAL
1897.795591	39.50	-4.3	74.0	34.5	PK	100.0	193.00	VERTICAL

MEASUREMENT RESULT: "HTW0910403 fin2 "

9/10/2013 1:2	0/10/2013 1:28PM										
Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization			
MHz	dBµV/m	dB	dBµV/m	dB		cm	deg				
1110.220441	24.40	-9.5	54.0	29.6	AV	100.0	45.00	VERTICAL			
1250.501002	25.50	-8.4	54.0	28.5	AV	100.0	45.00	VERTICAL			
1336.673347	26.70	-7.8	54.0	27.3	AV	100.0	7.00	VERTICAL			
1567.134269	27.70	-6.7	54.0	26.3	AV	100.0	166.00	VERTICAL			
1755.511022	29.10	-5.5	54.0	24.9	AV	100.0	279.00	VERTICAL			
1961.923848	30.80	-3.9	54.0	23.2	AV	100.0	0.00	VERTICAL			

Remark:

- (1) Measuring frequencies from 1 GHz to the 2 GHz.
- (2) Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The RBW of EMI Test Receiver was 1MHz and the VBW was 3MHz for measuring from 1 GHz to 2 GHz.

5. Test Setup Photos of the EUT

Report No.: TRE13080071









6. External and Internal Photos of the EUT

EXternal Photos









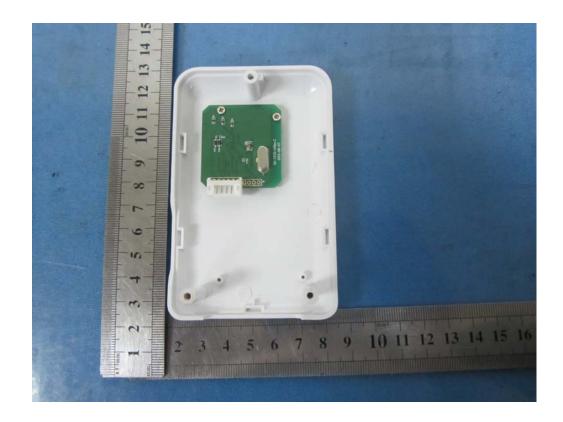




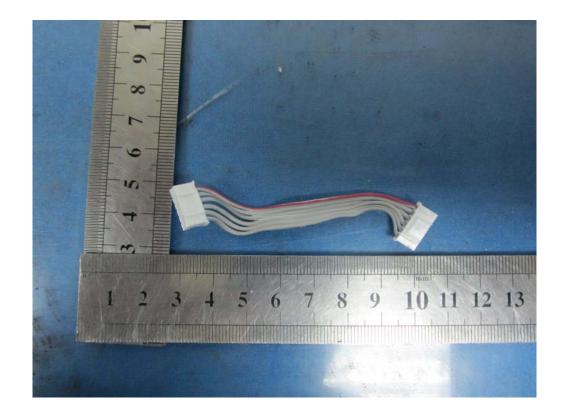
Report No.: TRE13080071

Internal Photos

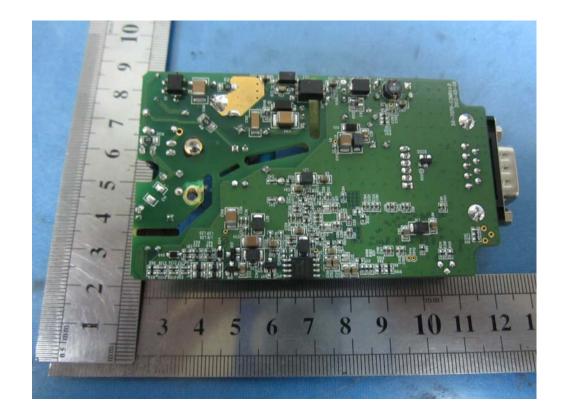
















.....End of Report.....