FCC ID TEST REPORT

for

HUB

MODEL: G-H905

Trade Mark: N/A

FCC ID: Z8XG-H905

Test Report Number: WSCT11090543E

Issued Date: November 07, 2011

Issued for:

GHI International Ltd.

3rd Floor, West Building, Shen Te Bian TechPark, Qiling North Road, Buji Town, Shenzhen, China.

Issued by:

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Revised: None

Revision History

F	Rev.	Issue No.	Revisions	Effect Page	Revised By
	00	WSCT11090543E	Initial Issue	ALL	Kallen Wang

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

TABLE OF CONTENTS

1 TEST RESULT CERTIFICATION	4
2 EUT DESCRIPTION	5
3 TEST METHODOLOGY	6
3.1. DECISION OF FINAL TEST MODE	6
3.2. EUT SYSTEM OPERATION	6
4 SETUP OF EQUIPMENT UNDER TEST	7
4.1. DESCRIPTION OF SUPPORT UNITS	
4.2. CONFIGURATION OF SYSTEM UNDER TEST	7
5 FACILITIES AND ACCREDITATIONS	8
5.1. FACILITIES	
5.2. ACCREDITATIONS	
5.3. MEASUREMENT UNCERTAINTY	
6 CONDUCTED EMISSION MEASUREMENT	
6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT	
6.2. TEST INSTRUMENTS	
6.3.TEST PROCEDURES	
6.4. TEST SETUP	
6.5. TEST RESULTS	
7 RADIATED EMISSION MEASUREMENT	
7.1. LIMITS OF RADIATED EMISSION MEASUREMENT	
7.2. TEST INSTRUMENTS	
7.3. TEST PROCEDURES 7.4. TEST SETUP	
7.5. TEST RESULTS	
8 PHOTOGRAPHS OF THE TEST CONFIGURATION	
9 PHOTOGRAPHS OF FIIT	22 25

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

Page 4 of 27

1 TEST RESULT CERTIFICATION

Product: HUB

Model: G-H905

Trade Mark: N/A

Applicant: GHI International Ltd.

3rd Floor, West Building, Shen Te Bian TechPark, Qiling North Road, Buji Town,

Shenzhen, China.

Manufacturer: GHI International Ltd.

3rd Floor, West Building, Shen Te Bian TechPark, Qiling North Road, Buji Town,

Shenzhen, China.

Tested Date: August 30 ~ September 21, 2011

Test Voltage: DC 5V(PC Input AC 120V/60Hz)

Trade Ma

EMISSION					
Standard	ltem	Result	Remarks		
FCC 47 CFR Part 15 Subpart B,	Conducted (Main Port)	PASS	Meet Class B limit		
ANSI C63.4-2003	Radiated	PASS	Meet Class B limit		

Note: 1. The test result judgment is decided by the limit of measurement standard

2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard None

The above equipment has been tested by World Standardization Certification & Testing Co., Ltd and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Jour Ma		
Tested By:	Date:	2011-11-07
(Jack Ma)		
dibens		
Check By:	Date:	2011-11-07
(Mike Mo)		
- Collowo 1		
Approved By:	Date:	2011-11-07
(Kallen Wang)		

TRF No.: FCC Part 15B-13/A0



Revised: None

Page 5 of 27

2 EUT DESCRIPTION

Product	HUB
Trade Mark	N/A
Model	G-H905
Applicant	GHI International Ltd.
EUT Type	☐ Engineering Sample☐ Product Sample☐ Mass Product Sample
Serial Number	N/A
Power Rating	DC 5V 2A
USB Data Line	0.15m, Unshielded

I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
USB Port	5	5

Models difference

N/A

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

Page 6 of 27

3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the thereinafter additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The following test mode(s) were scanned during the preliminary test:

Pre-Test Mode						
Emission	Conducted Emission	Mode : Data Transmitting				
EIIIISSIOII	Radiated Emission	Mode : Data Transmitting				

After the preliminary scan, the following test mode was found to produce the highest emission level.

The Worst Test Mode					
Emission	Conducted Emission	Mode : Data Transmitting			
EIIIISSIOII	Radiated Emission	Mode : Data Transmitting			

Then, the EUT configuration and cable configuration of the above highest emission mode was chosen for all final test items.

3.2. EUT SYSTEM OPERATION

- 1. Set up EUT with the relative support equipments.
- 2. Make sure the EUT worked normally during the test.

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

Page 7 of 27

4 SETUP OF EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF SUPPORT UNITS

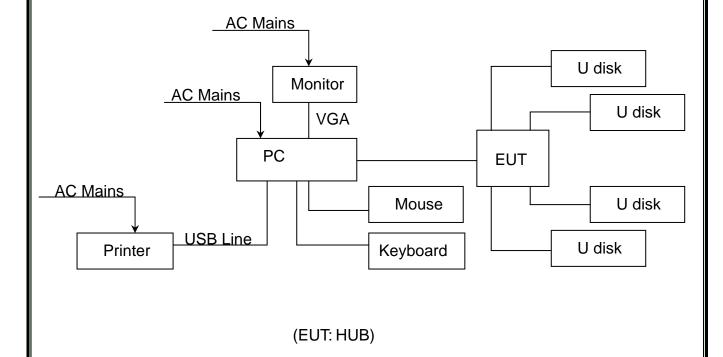
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model No.	Serial No.	FCC ID	Trade Name	Data Cable	Power Cord
1	PC	dx2700	CNG7140T7P	N/A	HP	N/A	N/A
2	Monitor	HPL1706V	CND74535YZ	N/A	HP	N/A	N/A
3	Keyboard	SK-2880	435302-AA1	N/A	HP	N/A	N/A
4	Mouse	N/A	N/A	N/A	HP	N/A	N/A
5	Printer	R230	N/A	N/A	EPSON	N/A	N/A
6	U disk	N/A	N/A	N/A	iPod	N/A	N/A

Note:

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.2. CONFIGURATION OF SYSTEM UNDER TEST



TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905

NO.: FCC Pait 13B-13/AU



Revised: None

5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at

World Standardization Certification & Testing CO., LTD.

Building A, Baoshi Road, Baoshi Science & Technology Park, Bao'an District, Shenzhen, Guangdong, China

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA FCC (The certificate registration number is 131628)

TIMCO (The certificate registration number is Q2001)

Japan VCCI (The certificate registration number is C-2912, R-2662)

Canada INDUSTRY CANADA

(The certificated registration number is 46405-7700)

Germany TUV

(The certificate registration number is UA50138086-0001,UA50138086-0002)

EMCC (The certificated registration number is 080380)

China CNAS (The certificated registration number is L3732)

Copies of granted accreditation certificates are available for downloading from our web site, http://www.wsct.org.cn

5.3. 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:

Measurement	Frequency		Uncertainty
Conducted emissions	15	0kHz~30MHz	+/- 3.59dB
	Horizontal	30MHz ~ 200MHz	+/- 4.77dB
Radiated emissions		200MHz ~1000MHz	+/- 4.93dB
Radiated emissions	Vertical	30MHz ~ 200MHz	+/- 5.04dB
		200MHz ~1000MHz	+/- 4.93dB

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

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

EDECLIENCY (MH-)	Class A	A (dBuV)	Class B (dBuV)	
FREQUENCY (MHz)	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- (3) All emanations from EUT or system shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

Conducted Emission Shielding Room Test Site 843						
Name of Equipment	Calibration Due					
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	100005	09/24/2011		
LISN	AFJ	LS16	16010222119	09/29/2011		
LISN	Meestec	AN3016	04/10040	09/28/2011		

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to International system of unit (SI).

2. N.C.R = No Calibration Request.

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

6.3.TEST PROCEDURES

Procedure of Preliminary Test

The EUT and Support equipment, if needed, 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 table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in Item 3.1 were scanned during the preliminary test.

After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

Procedure of Final Test

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

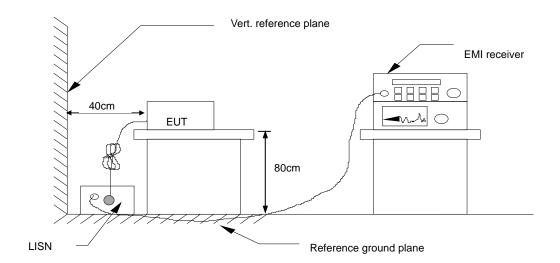
TRF No.: FCC Part 15B-13/A0 Page 10 of 27



Revised: None

Page 11 of 27

6.4. TEST SETUP



For the actual test configuration, please refer to the related item - Photographs of the Test Configuration.

6.5. TEST RESULTS

Model No.	1C3-H9O5	6dB Bandwidth	120 KHz	
Environmental Conditions	26°C, 60% RH	Test Mode	Data Transmitting	
Detector Function	Peak / Quasi-peak/AV	Test Result	Pass	
Test By	Jack Ma			

NOTE: 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

2. "---" denotes the emission level was or more than 2dB below the Average limit, so no re-check anymore.

Freq. = Emission frequency in MHz

Reading level(dBuV) = Receiver reading

Corr. Factor (dB) = Attenuator Factor+ Cable loss

Level (dBuV) = Reading level(dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Level (dBuV) – Limits (dBuV)

Q.P.=Quasi-Peak

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



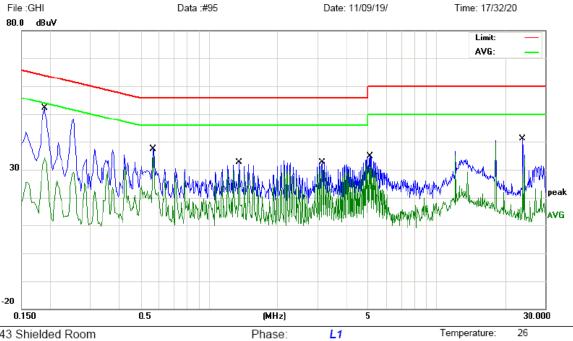
Humidity:

60 %

Revised: None

Please refer to following diagram for individual

Conducted Emission Measurement



Power:

Site 843 Shielded Room

Limit: FCC Part15 B Conduction(QP)

EUT: HUB M/N: G-H905

Mode: Data Transmitting

Note: DC 5V (PC Input AC 120V/60Hz)

MHz dBuV dB dBuV dB uV dVG 4 0.1900 24.96 10.61 36.29 56.00 -19.71 QP AVG AVG <td< th=""><th>No.</th><th>Mk.</th><th>Freq.</th><th>Reading Level</th><th>Correct Factor</th><th>Measure- ment</th><th>Limit</th><th>Over</th><th></th><th></th></td<>	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
2 * 0.1900 41.75 10.33 52.08 54.03 -1.95 AVG 3 0.1900 24.96 10.33 35.29 54.03 -18.74 AVG 4 0.5700 25.68 10.61 36.29 56.00 -19.71 QP 5 0.5700 24.16 10.61 34.77 46.00 -11.23 AVG 6 1.3580 20.47 10.51 30.98 56.00 -25.02 QP 7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
3 0.1900 24.96 10.33 35.29 54.03 -18.74 AVG 4 0.5700 25.68 10.61 36.29 56.00 -19.71 QP 5 0.5700 24.16 10.61 34.77 46.00 -11.23 AVG 6 1.3580 20.47 10.51 30.98 56.00 -25.02 QP 7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	1		0.1900	39.95	10.33	50.28	64.03	-13.75	QP	
4 0.5700 25.68 10.61 36.29 56.00 -19.71 QP 5 0.5700 24.16 10.61 34.77 46.00 -11.23 AVG 6 1.3580 20.47 10.51 30.98 56.00 -25.02 QP 7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	2	*	0.1900	41.75	10.33	52.08	54.03	-1.95	AVG	
5 0.5700 24.16 10.61 34.77 46.00 -11.23 AVG 6 1.3580 20.47 10.51 30.98 56.00 -25.02 QP 7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	3		0.1900	24.96	10.33	35.29	54.03	-18.74	AVG	
6 1.3580 20.47 10.51 30.98 56.00 -25.02 QP 7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	4		0.5700	25.68	10.61	36.29	56.00	-19.71	QP	
7 1.3580 19.20 10.51 29.71 46.00 -16.29 AVG 8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	5		0.5700	24.16	10.61	34.77	46.00	-11.23	AVG	
8 3.1420 20.54 10.55 31.09 56.00 -24.91 QP 9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	6		1.3580	20.47	10.51	30.98	56.00	-25.02	QP	
9 3.1420 19.36 10.55 29.91 46.00 -16.09 AVG 10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	7		1.3580	19.20	10.51	29.71	46.00	-16.29	AVG	
10 5.1380 22.51 10.59 33.10 60.00 -26.90 QP 11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	8		3.1420	20.54	10.55	31.09	56.00	-24.91	QP	
11 5.1380 20.66 10.59 31.25 50.00 -18.75 AVG 12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	9		3.1420	19.36	10.55	29.91	46.00	-16.09	AVG	
12 23.9980 23.71 10.54 34.25 60.00 -25.75 QP	10		5.1380	22.51	10.59	33.10	60.00	-26.90	QP	
	11		5.1380	20.66	10.59	31.25	50.00	-18.75	AVG	
13 23.9980 17.62 10.54 28.16 50.00 -21.84 AVG	12		23.9980	23.71	10.54	34.25	60.00	-25.75	QP	
	13		23.9980	17.62	10.54	28.16	50.00	-21.84	AVG	

^{*:}Maximum data x:Over limit !:over margin

(Reference Only

Page 12 of 27

TRF No.: FCC Part 15B-13/A0



Humidity:

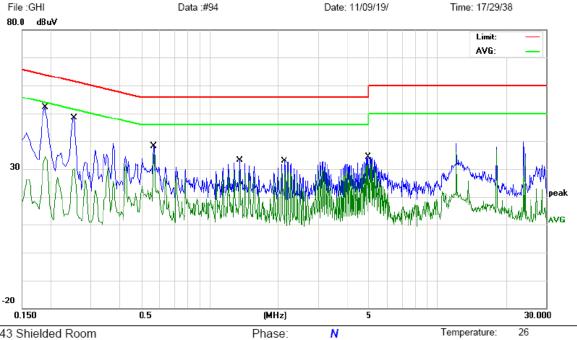
60 %

(Reference Only

Page 13 of 27

Revised: None

Conducted Emission Measurement



Site 843 Shielded Room

Limit: FCC Part15 B Conduction(QP)

EUT: HUB M/N: G-H905

Mode: Data Transmitting

Note: DC 5V (PC Input AC 120V/60Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu∀	dBuV	dB	Detector	Comment
1		0.1900	40.17	10.33	50.50	64.03	-13.53	QP	
2		0.1900	25.39	10.33	35.72	54.03	-18.31	AVG	
3		0.2540	35.94	10.49	46.43	61.62	-15.19	QP	
4		0.2540	20.54	10.49	31.03	51.62	-20.59	AVG	
5		0.5700	26.20	10.61	36.81	56.00	-19.19	QP	
6	*	0.5700	24.67	10.61	35.28	46.00	-10.72	AVG	
7		1.3580	20.47	10.51	30.98	56.00	-25.02	QP	
8		1.3580	19.11	10.51	29.62	46.00	-16.38	AVG	
9		2.1420	22.10	10.53	32.63	56.00	-23.37	QP	
10		2.1420	19.06	10.53	29.59	46.00	-16.41	AVG	
11		4.9940	22.19	10.60	32.79	56.00	-23.21	QP	
12		4.9940	20.17	10.60	30.77	46.00	-15.23	AVG	

Power:

TRF No.: FCC Part 15B-13/A0

^{*:}Maximum data x:Over limit !:over margin



Revised: None

RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

Maximum permissible level of Radiated Emission measured at 3 meter

FREQUENCY (MHz)	dBuV/m (At 3m)				
	Class B				
30~88	40.00				
88~216	43.50				
216~960	46.00				
960~1000	54.00				

NOTE: (1) The lower limit shall apply at the transition frequencies.

(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

7.2. TEST INSTRUMENTS

Radiated Emission Test Site 966										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	100005	09/24/2011						
Spectrum Analyzer	R&S	FSU	100114	09/13/2012						
Pre Amplifier	H.P.	HP8447E	2945A02715	09/24/2011						
Bilog Antenna	SUNOL Sciences	JB3	A021907	09/10/2012						
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	09/09/2012						
System-Controller	ccs	N/A	N/A	N.C.R						
Turn Table	ccs	N/A	N/A	N.C.R						
Antenna Tower	ccs	N/A	N/A	N.C.R						

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to International system of unit (SI).

2. N.C.R = No Calibration Request.

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905

Page 14 of 27



Revised: None

7.3. 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 3-12 mm 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.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test are shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

The antenna was placed at 3 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 1000MHz. 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.

The test mode(s) described in Item 3.1 were scanned during the preliminary test:

After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.

The EUT and worse cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

When measuring emissions above 1GHz, the frequencies of maximum emission shall be determined by manually positioning the antenna close to the EUT and by moving the antenna over all sides of the EUT while observing a spectral display. It will be advantageous to have prior knowledge of the frequencies of emissions above 1GHz. If the EUT is a device with dimensions approximately equal to that of the measurement antenna beam width, the measurement antenna shall be aligned with the EUT.

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

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 1000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement 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.

Recorded 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 and only Q.P. reading is presented.

For the measurement above 1GHz, use the cable, EUT arrangement, and mode of operation determined in the exploratory testing to produce the emission that has the highest amplitude relative to the limit.

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the antenna in the "cone of radiation" from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.

The antenna may have to be higher or lower than the EUT, depending on the EUT's size and mounting height, but the antenna should be restricted to a range of height of from 1m to 4m above the ground or reference ground plane.

If the transmission line for the measurement antenna restricts its range of height and polarization, the steps needed to ensure the correct measurement of the maximum emissions, shall be described in detail in the report of the measurements.

using the procedures above to measure with peak detector function, if the result comply with the average limit specified by the appropriate regulation, record the EUT arrangement, mode of operation, and cable positions used for final radiated emission measurement, this can be done with either diagrams or photographs.

Set the detector function of the measuring instrument to average mode, using the procedures above and remeasure only those emissions that complied with the peak limits but exceeded the average limits.

Recorded at least the six highest emissions.

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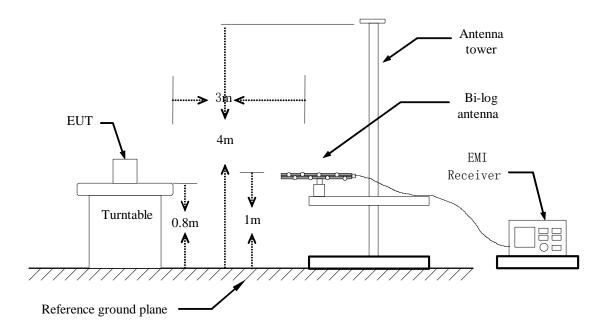
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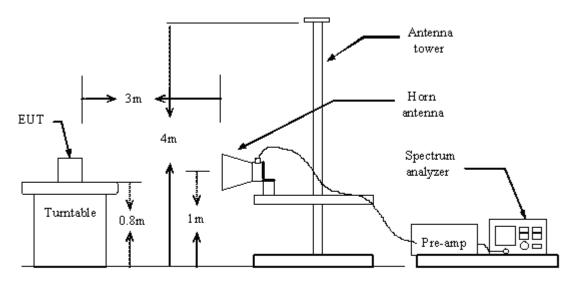
Revised: None

7.4. TEST SETUP

Below 1GHz



Above 1GHz



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Revised: None

Page 18 of 27

7.5. TEST RESULTS

Model No.	G-H905	Test Mode	Data Transmitting		
Environmental Conditions	126°C 55% DH	6dB Bandwidth	120 KHz		
Antenna Pole	Vertical / Horizontal	Antenna Distance	3m		
Detector Function	Peak / Quasi-peak	Test Result	Pass		

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) - Limits (dBuV)

TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905

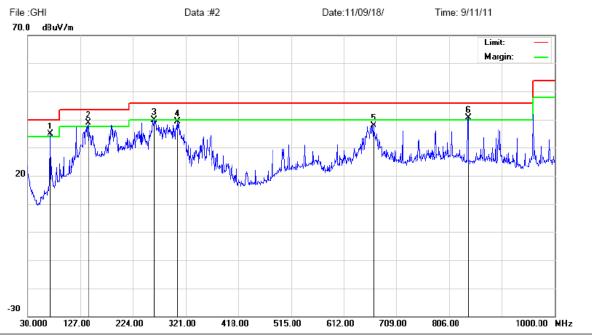


Revised: None

Page 19 of 27

Please refer to following diagram for individual Below 1GHz

Radiated Emission Measurement



Site 966

Limit: FCC Part15B _ RE 3M

EUT: HUB M/N: G-H905

Mode: Data Transmitting

Note: DC 5V (PC Input AC 120V / 60Hz)

Polarization: *Horizontal* Temperature: 26 Power: Humidity: 55 %

Distance:

No. N	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 !	ļ	71.7099	48.78	-13.88	34.90	40.00	-5.10	QP			
2 '	*	141.5500	47.13	-8.32	38.81	43.50	-4.69	QP			
3		262.8000	46.05	-6.18	39.87	46.00	-6.13	QP			
4		305.4800	44.84	-5.56	39.28	46.00	-6.72	QP			
5		666.3200	33.61	4.17	37.78	46.00	-8.22	QP			
6 !	ļ	840.9199	37.21	3.38	40.59	46.00	-5.41	QP			

*:Maximum data x:Over limit !:over margin \(\text{Reference Only} \)

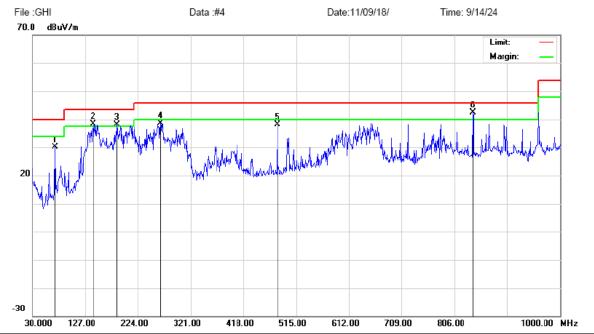
TRF No.: FCC Part 15B-13/A0



Revised: None

Page 20 of 27

Radiated Emission Measurement



Site 966

Limit: FCC Part15B _ RE 3M

EUT: HUB M/N: G-H905

Mode: Data Transmitting

Note: DC 5V (PC Input AC 120V / 60Hz)

Polarization: Vertical Temperature: 26
Power: Humidity: 55 %

Distance:

No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		71.7099	43.27	-13.21	30.06	40.00	-9.94	QP			
2	İ	141.5500	45.72	-7.26	38.46	43.50	-5.04	QP			
3	İ	186.1699	43.90	-5.74	38.16	43.50	-5.34	QP			
4		265.7099	43.41	-4.80	38.61	46.00	-7.39	QP			
5		480.0799	41.15	-3.02	38.13	46.00	-7.87	QP			
6	*	839.9500	36.68	5.65	42.33	46.00	-3.67	QP			

*:Maximum data x:Over limit !:over margin \(\text{Reference Only} \)

TRF No.: FCC Part 15B-13/A0



Revised: None

Test Result Above 1GHz

Frequency	Ant. Pol. Corr.Factor		Level	Limit	Margin	Note	Result	
(MHz)	Allt. FOI.	(dB)	(dB) (dBuV) (dBuV)		Margin	Note	Kesuit	
1503.00	Н	27.81	56.12	74.00	-17.88	Peak	Pass	
1503.00	Н	27.81 43.84		54.00	-10.16	AV	Pass	
1611.00	V	28.48	58.25	74.00	-15.75	Peak	Pass	
1611.00	V	28.48	45.37	54.00	-8.63	AV	Pass	

Note: 1. Level = Correction factor + Meter Reading

- 2. Correction factor=antenna factor + cable loss preamplifier gain.
- 3. means to the measure is no necessary, due to the PK value comply with AV limits.

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FCC ID: Z8XG-H905



Revised: None

8 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST





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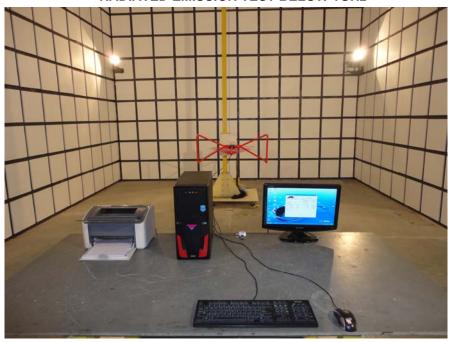
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Page 23 of 27

RADIATED EMISSION TEST BELOW 1GHz





TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



Report reference No.:WSCT11090543E

Issued: November 07, 2011 Revised: None

Page 24 of 27

RADIATED EMISSION TEST ABOVE 1GHz



TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



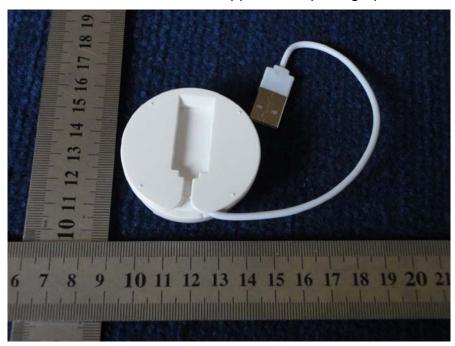
Revised: None

9 PHOTOGRAPHS OF EUT

Appearance photograph of EUT



Appearance photograph of EUT



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Page 25 of 27

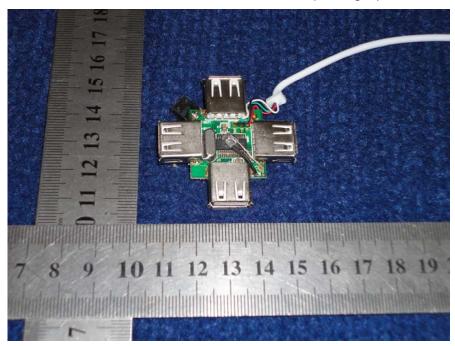


Revised: None

Internal photograph of EUT



PCB photograph of EUT



TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905



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Page 27 of 27

PCB photograph of EUT



TRF No.: FCC Part 15B-13/A0

FCC ID: Z8XG-H905