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Technical Compliance Statement

No. ACS-F11235

FCC Verification

For the following equipment

Submitter : SHENZHEN GIEC ELECTRONICS CO., LTD.
24/F, Building A Xinian Center, No. 6021 Shennan
Road, Shenzhen, Guangdong, China

Product : HOME ROAM

Model No. : HR701 (Transmitter)
HR702 (Transmitter)
HR703 (Transmitter)

We hereby certify that the above product has been tested by us and complied with the FCC official limits. These products might be marketed at the US accordance to FCC Rule based on the standard 47 CFR Part 2 and Part 15 Class B Equipment Regulations. The test was performed accordance to the procedures from ANSI C63.4-2009. The test data & results are issued on the test report no. ACS-F11235.



Lab. Code: 200372-0



Ken Lu
Manager
Date : Oct.26, 2011

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

FCC VERIFICATION TEST REPORT

for

SHENZHEN GIEC ELECTRONICS CO., LTD.

HOME ROAM

Model Number: HR701 (Transmitter)

HR702 (Transmitter)

HR703 (Transmitter)

Prepared for : SHENZHEN GIEC ELECTRONICS CO., LTD.
24/F, Building A Xinian Center, No. 6021 Shennan Road,
Shenzhen, Guangdong, China

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
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Report Number : ACS-F11235
Date of Test : Oct.09~18, 2011
Date of Report : Oct.26, 2011

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TEST REPORT VERIFICATION

Applicant : SHENZHEN GIEC ELECTRONICS CO., LTD.

Manufacturer : SHENZHEN GIEC ELECTRONICS CO., LTD.

EUT Description : HOME ROAM

(A) Model No. : HR701 (Transmitter)
HR702 (Transmitter)
HR703 (Transmitter)

(B) Serial No. : N/A

(C) Power Supply : DC 9V

(D) Test Voltage : DC 9V From Adapter Input AC 120V/60Hz

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2010, ANSI C63.4-2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both conducted and radiated emissions. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed of full responsibility for the accuracy and completeness of these tests. This report contains data that are not covered by the NVLAP accreditation.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Oct.09~ 18, 2011 Report of date: Oct.26, 2011

Prepared by : Cerry He
Cerry He/ Assistant

Reviewer by : Sunny Lu/ Supervisor

Approved & Authorized Signer :

Stamp only for EMC Dept. Report

Signature: Ken M 12/11

Ken Lu / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Results	Remark
Power Line Conducted Emission Test	FCC Part 15: 2010 ANSI C63.4: 2009	PASS	Minimum passing margin is 4.71 dB at 0.38880 MHz
Radiated Emission Test (30-1000MHz)	FCC Part 15: 2010 ANSI C63.4: 2009	PASS	Minimum passing margin is 5.01 dB at 45.520MHz
Radiated Emission Test (1-6GHz)	FCC Part 15: 2010 ANSI C63.4: 2009	PASS	Minimum passing margin is 14.30dB at 2995.000MHz
N/A is an abbreviation for Not Applicable.			

2. GENERAL INFORMATION

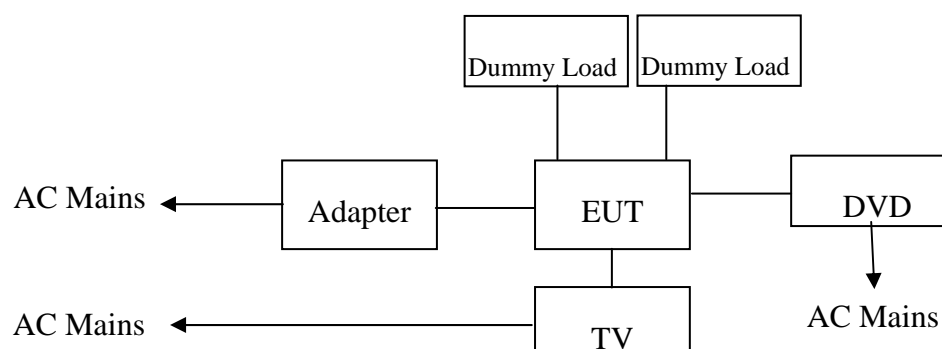
2.1. Description of Device (EUT)

Description	: HOME ROAM
Model Number	: HR701 (Transmitter) HR702 (Transmitter) HR703 (Transmitter) The device have three model numbers and the difference between them is label only
Applicant	: SHENZHEN GIEC ELECTRONICS CO., LTD. 24/F, Building A Xinian Center, No. 6021 Shennan Road, Shenzhen, Guangdong, China
Manufacturer	: SHENZHEN GIEC ELECTRONICS CO., LTD. 124/F, Building A Xinian Center, No. 6021 Shennan Road, Shenzhen, Guangdong, China
Power Adapter	: Manufacture: DONIU, M/N: HNC090100U Unshielded, Detachable, 1.5m
AV Cable1	: 0.2m
AV Cable2	: 1.0m
Date of Test	: Oct.09~18, 2011
Date of Receipt	: Oct.08, 2011
Sample Type	: Series production

2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	DVD Player	ACS-EMC-DVD02	PIONEER	DV-410v-G	TAXZT5	<input type="checkbox"/> FCC ID <input type="checkbox"/> BSMI ID
		Power Cord: Unshielded, Detachabled , 1.5m				
2.	TV	-	TCL	22HR5434	-	<input type="checkbox"/> FCC DoC <input type="checkbox"/> BSMI ID:
		Power Cord: Unshielded, Undetachabled, 1.5m AV Cable: Shielded, Detachable, 2.0m				

2.3. Block Diagram of connection between EUT and simulators



(EUT: HOME ROAM)

2.4. Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 90454 Valid Date: Mar.31, 2012
3m & 10m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 794232 Valid Date: Dec.30, 2012
EMC Lab.	:	Certificated by DAkkS, Germany Registration No: D-PL-12151-01-01 Valid Date: Feb.01, 2014
Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2012		

2.5. Measurement Uncertainty

(95% confidence levels, k=2)

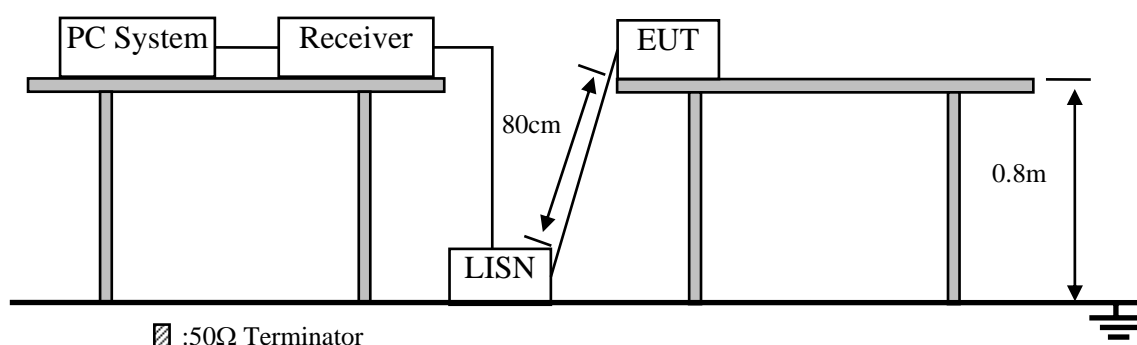
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2 dB(150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB (30~200MHz, Polarize: H)
	3.7 dB (30~200MHz, Polarize: V)
	4.0 dB (200M~1GHz, Polarize: H)
	3.7 dB (200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1 dB (Distance: 3m Polarize: V)
	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for test site temperature and humidity	3%
	0.6°C

3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Nov.05, 10	1 Year
2	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Nov.05, 11	1 Year
3	Terminator	Hubersuhner	50Ω	No. 1	May.08, 11	1 Year
4	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 11	1Year
5	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 11	1 Year
6	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 11	1 Year

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. HOME ROAM (EUT)

Model Number : HR701 (Transmitter)

Serial Number : N/A

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipment.

3.5.3. Let the EUT work in test mode (AV Playing /Audio In Playing) and measure it.

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2009 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.7. Conducted Disturbance at Mains Terminals Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test modes were tested and selected to read Q.P values and average values, all the test results are listed in next pages.

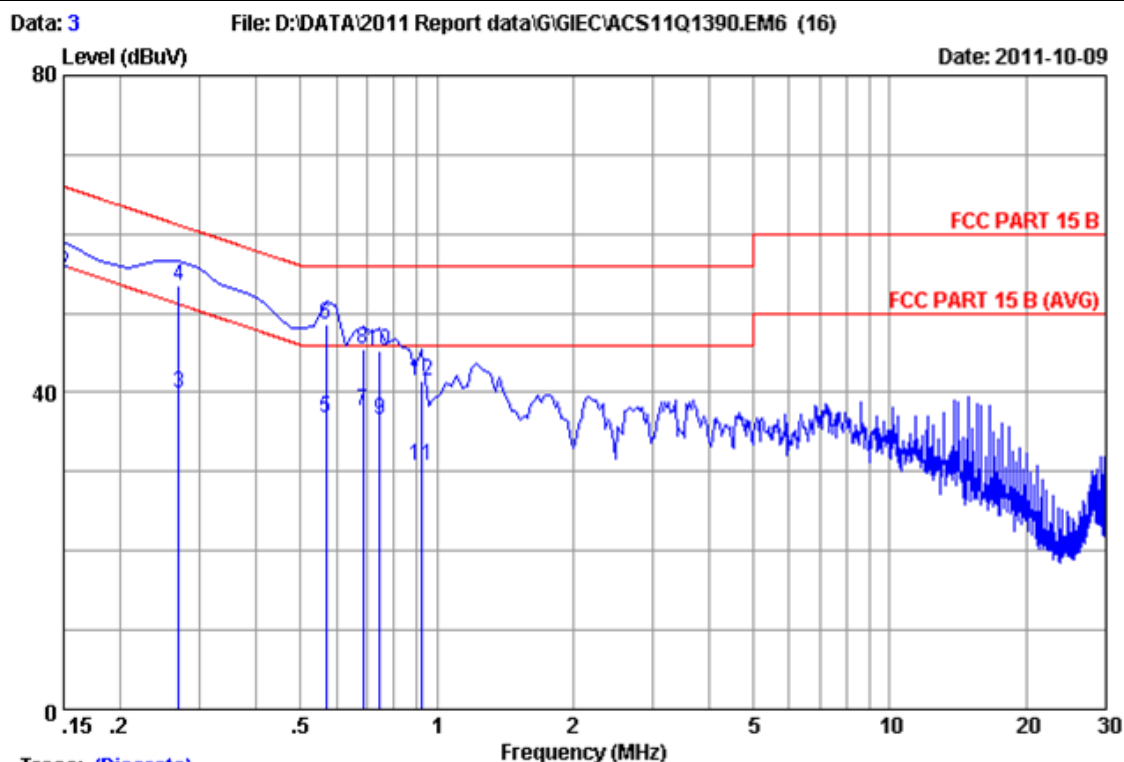
EUT: HOME ROAM Model No. : HR701 (Transmitter)

Test Date: Oct.09, 2011 Temperature: 26.5℃ Humidity: 59%

The details of test modes are as follows :

NO.	Test Mode	Reference Test Data No.	
		LINE	NEUTRAL
1.	TV/Cable In	#3	#4
2. ※	AV 1	#6	#5
3.	AV 2	#7	#8
4.	AV 3	#10	#9

(※ Worst test mode)

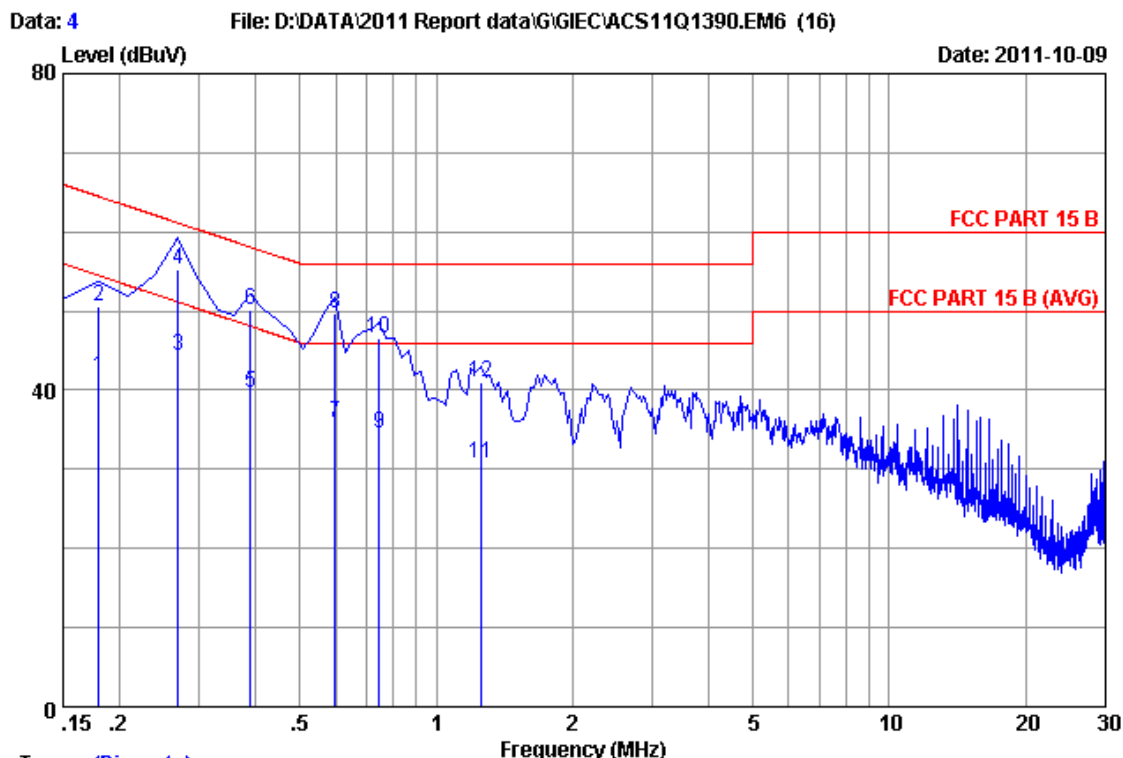


Trace: (Discrete)

Site no :1#conduction Data No :3
 Dis./Ant. :** 2011 ESH2-Z5 LINE
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :TV/Cable In

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	35.65	45.80	56.00	10.20	Average
2	0.15000	0.17	9.98	44.81	54.96	66.00	11.04	QP
3	0.26940	0.18	9.98	29.76	39.92	51.14	11.22	Average
4	0.26940	0.18	9.98	43.34	53.50	61.14	7.64	QP
5	0.56790	0.19	9.98	26.58	36.75	46.00	9.25	Average
6	0.56790	0.19	9.98	38.33	48.50	56.00	7.50	QP
7	0.68730	0.19	9.97	27.49	37.65	46.00	8.35	Average
8	0.68730	0.19	9.97	35.29	45.45	56.00	10.55	QP
9	0.74700	0.20	9.97	26.46	36.63	46.00	9.37	Average
10	0.74700	0.20	9.97	34.99	45.16	56.00	10.84	QP
11	0.92610	0.22	9.98	20.47	30.67	46.00	15.33	Average
12	0.92610	0.22	9.98	31.35	41.55	56.00	14.45	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

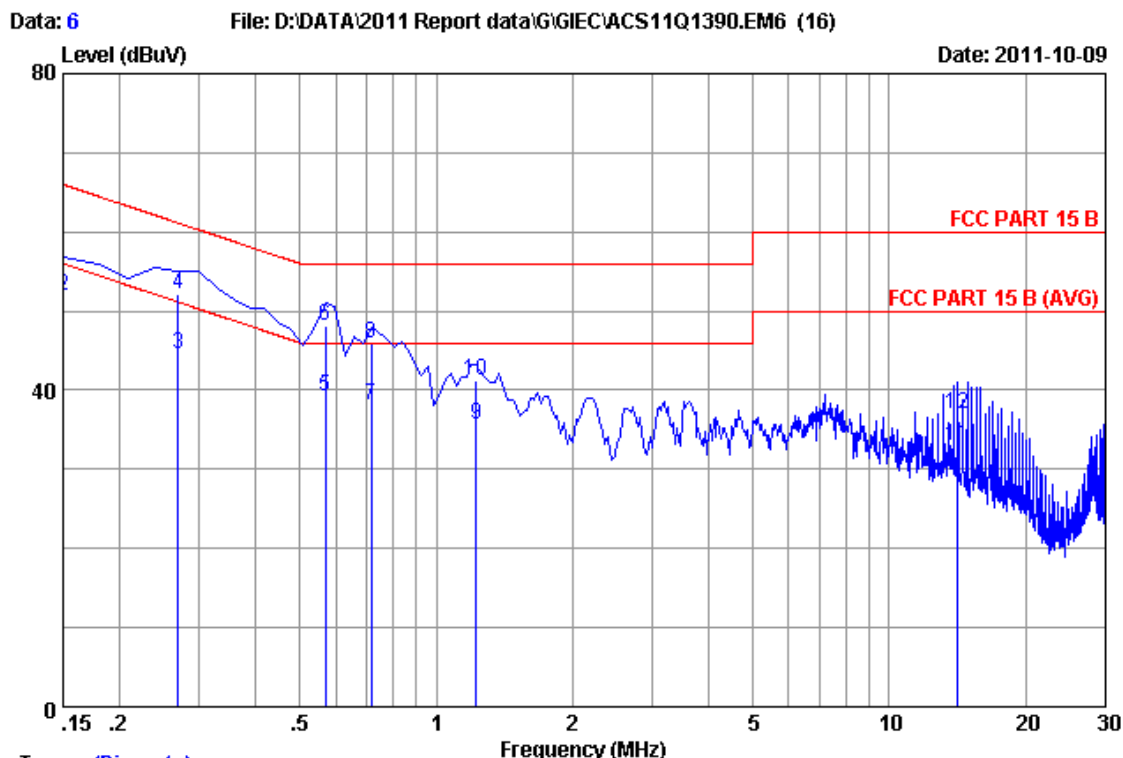


Trace: (Discrete)

Site no :1#conduction Data No :4
 Dis./Ant. :** 2011 ESH2-25 NEUTRAL
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :TV/Cable In

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.21	9.98	31.54	41.73	54.49	12.76	Average
2	0.17985	0.21	9.98	40.44	50.63	64.49	13.86	QP
3	0.26940	0.21	9.98	34.18	44.37	51.14	6.77	Average
4	0.26940	0.21	9.98	45.04	55.23	61.14	5.91	QP
5	0.38880	0.22	9.98	29.57	39.77	48.09	8.32	Average
6	0.38880	0.22	9.98	39.93	50.13	58.09	7.96	QP
7	0.59775	0.23	9.98	25.73	35.94	46.00	10.06	Average
8	0.59775	0.23	9.98	39.39	49.60	56.00	6.40	QP
9	0.74700	0.23	9.97	24.45	34.65	46.00	11.35	Average
10	0.74700	0.23	9.97	36.36	46.56	56.00	9.44	QP
11	1.254	0.25	9.97	20.42	30.64	46.00	15.36	Average
12	1.254	0.25	9.97	30.73	40.95	56.00	15.05	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

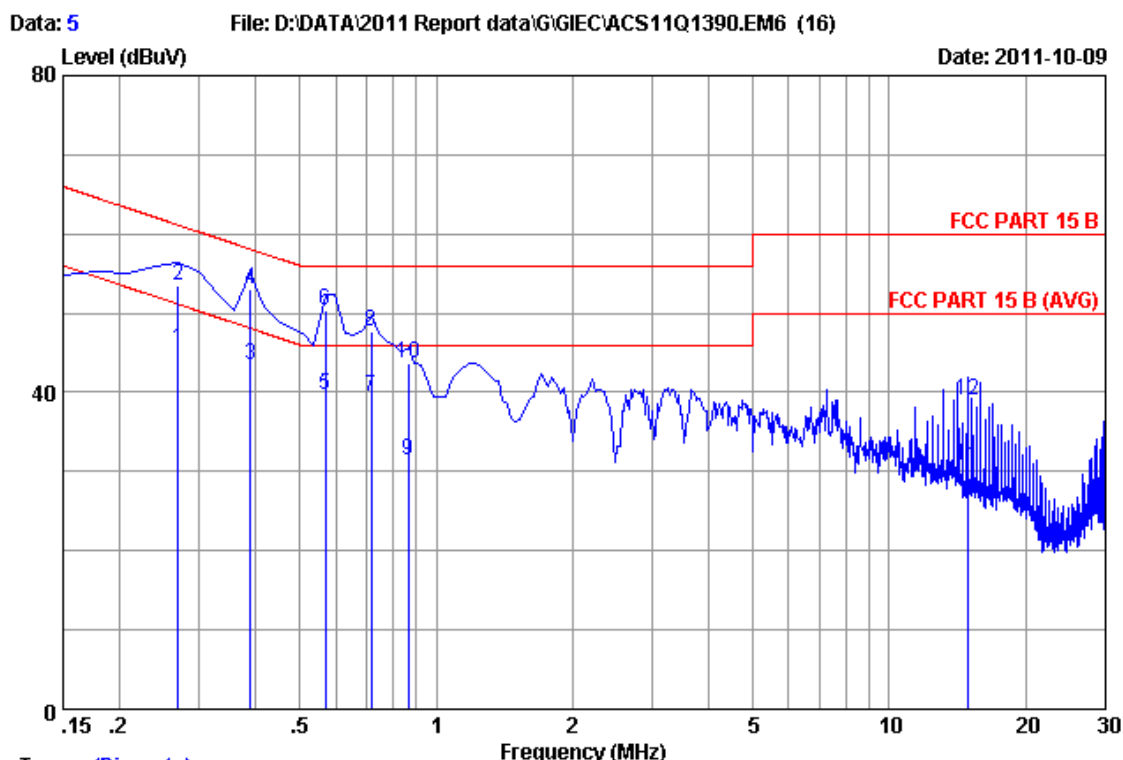


Trace: (Discrete)

Site no : 1#conduction Data No : 6
 Dis./Ant. : ** 2011 ESH2-25 LINE
 Limit : FCC PART 15 B
 Env./Ins. : 29.5°C/55% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701(Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 1

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	32.06	42.21	56.00	13.79	Average
2	0.15000	0.17	9.98	41.72	51.87	66.00	14.13	QP
3	0.26940	0.18	9.98	34.45	44.61	51.14	6.53	Average
4	0.26940	0.18	9.98	41.99	52.15	61.14	8.99	QP
5	0.56790	0.19	9.98	29.11	39.28	46.00	6.72	Average
6	0.56790	0.19	9.98	37.91	48.08	56.00	7.92	QP
7	0.71715	0.19	9.97	28.04	38.20	46.00	7.80	Average
8	0.71715	0.19	9.97	35.78	45.94	56.00	10.06	QP
9	1.225	0.25	9.97	25.46	35.68	46.00	10.32	Average
10	1.225	0.25	9.97	31.00	41.22	56.00	14.78	QP
11	14.180	0.92	9.92	22.20	33.04	50.00	16.96	Average
12	14.180	0.92	9.92	26.25	37.09	60.00	22.91	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

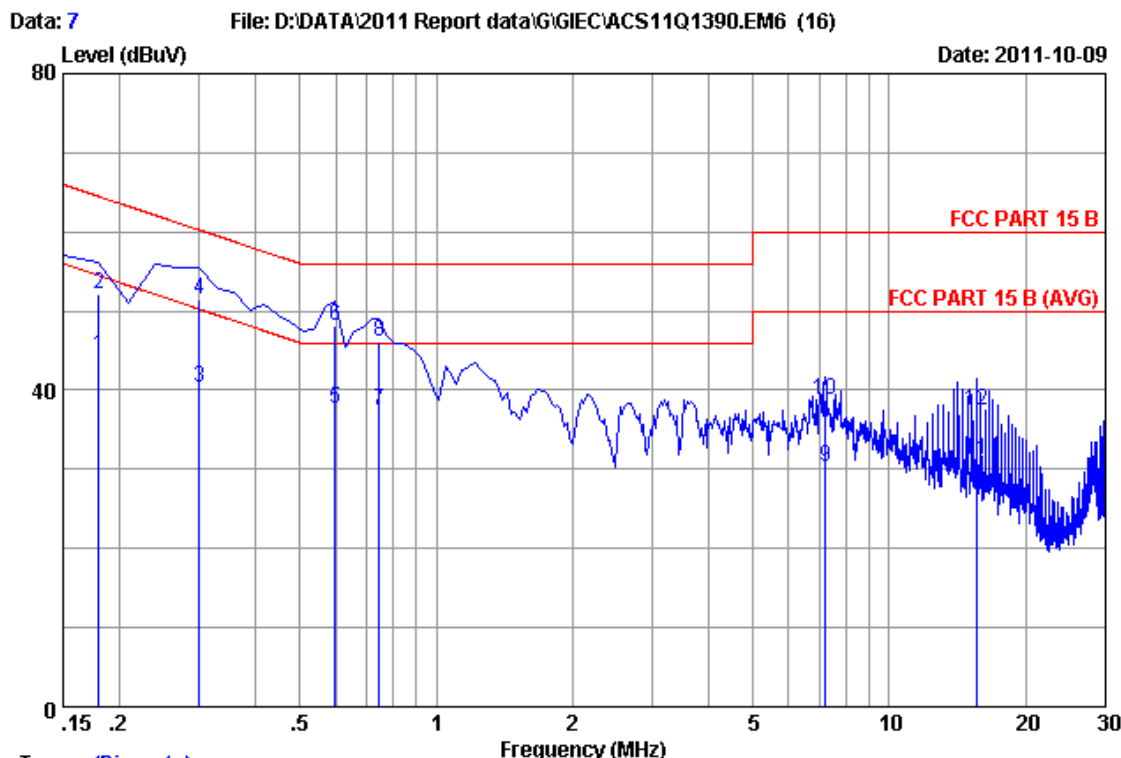


Trace: (Discrete)

Site no :1#conduction Data No :5
 Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :AV 1

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.26940	0.21	9.98	35.17	45.36	51.14	5.78	Average
2	0.26940	0.21	9.98	43.22	53.41	61.14	7.73	QP
3	0.38880	0.22	9.98	33.18	43.38	48.09	4.71	Average
4	0.38880	0.22	9.98	42.85	53.05	58.09	5.04	QP
5	0.56790	0.22	9.98	29.52	39.72	46.00	6.28	Average
6	0.56790	0.22	9.98	40.10	50.30	56.00	5.70	QP
7	0.71715	0.23	9.97	29.15	39.35	46.00	6.65	Average
8	0.71715	0.23	9.97	37.54	47.74	56.00	8.26	QP
9	0.86640	0.24	9.98	21.13	31.35	46.00	14.65	Average
10	0.86640	0.24	9.98	33.37	43.59	56.00	12.41	QP
11	14.866	0.60	9.92	20.16	30.68	50.00	19.32	Average
12	14.866	0.60	9.92	28.49	39.01	60.00	20.99	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

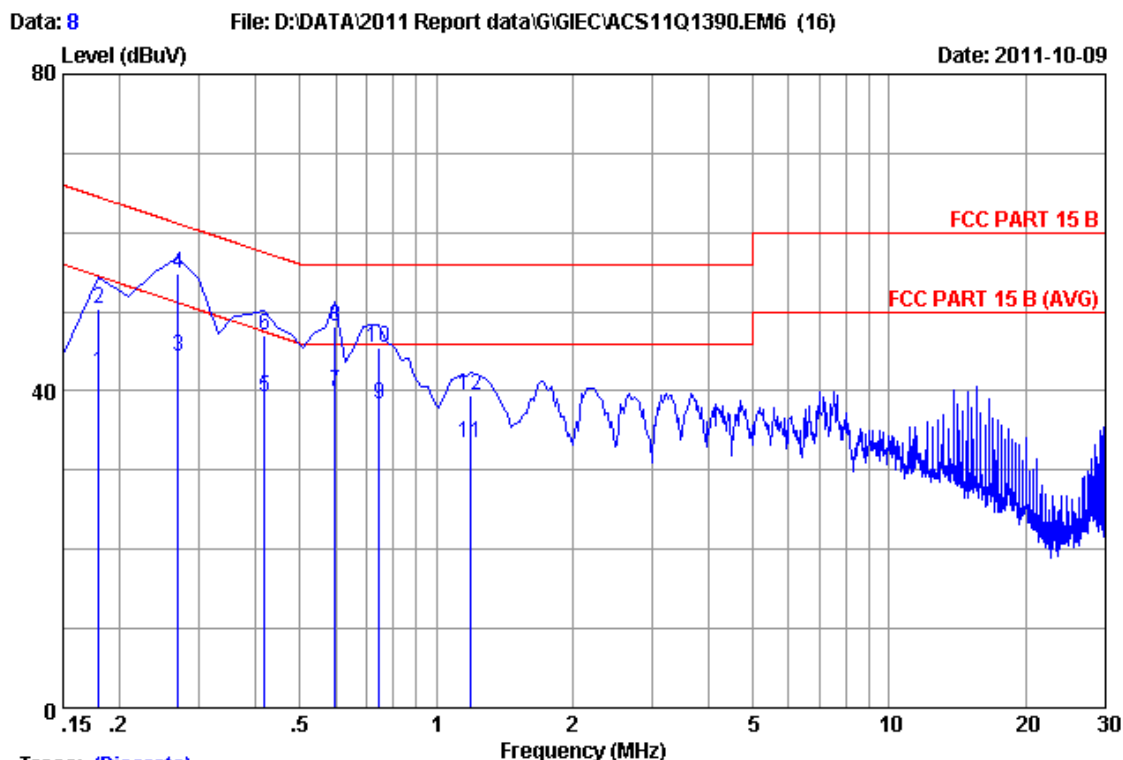


Trace: (Discrete)

Site no :1#conduction Data No :7
 Dis./Ant. :** 2011 ESH2-25 LINE
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :AV 2

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.17	9.98	34.19	44.34	54.49	10.15	Average
2	0.17985	0.17	9.98	42.07	52.22	64.49	12.27	QP
3	0.29925	0.18	9.98	30.15	40.31	50.26	9.95	Average
4	0.29925	0.18	9.98	41.22	51.38	60.26	8.88	QP
5	0.59775	0.19	9.98	27.45	37.62	46.00	8.38	Average
6	0.59775	0.19	9.98	38.06	48.23	56.00	7.77	QP
7	0.74700	0.20	9.97	27.16	37.33	46.00	8.67	Average
8	0.74700	0.20	9.97	35.91	46.08	56.00	9.92	QP
9	7.224	0.49	9.92	19.97	30.38	50.00	19.62	Average
10	7.224	0.49	9.92	28.32	38.73	60.00	21.27	QP
11	15.582	0.97	9.93	20.27	31.17	50.00	18.83	Average
12	15.582	0.97	9.93	26.62	37.52	60.00	22.48	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

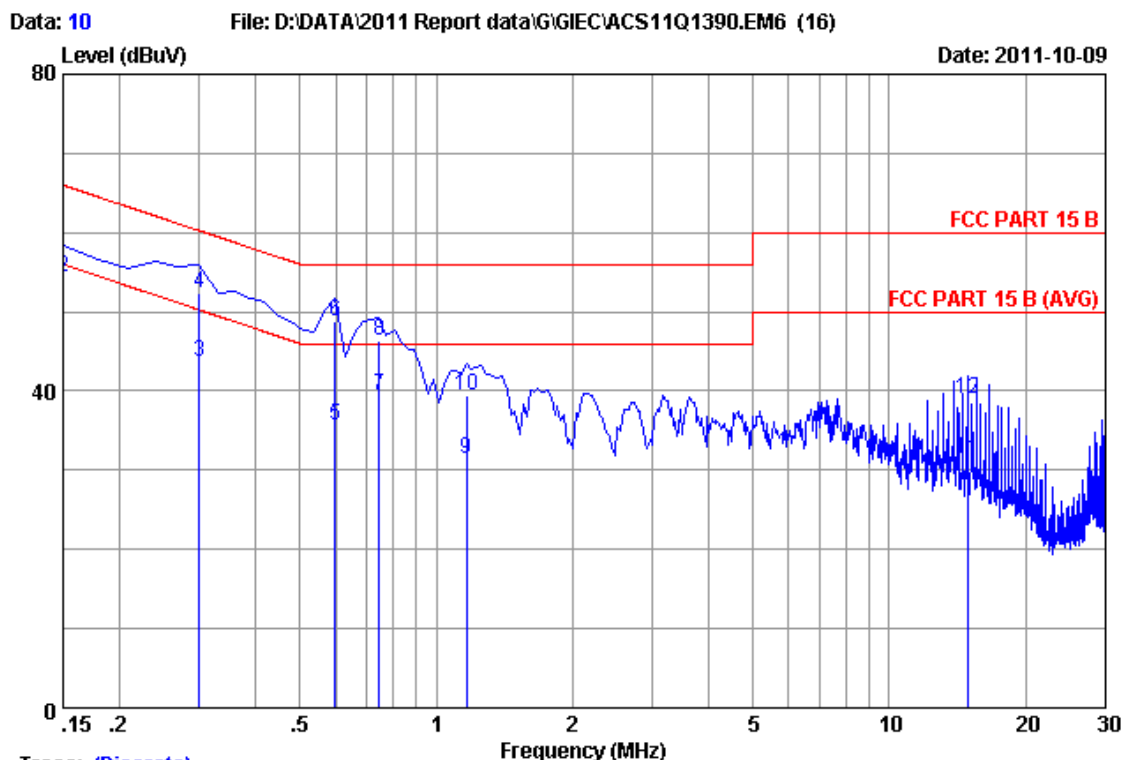


Trace: (Discrete)

Site no :1#conduction Data No :8
 Dis./Ant. :** 2011 ESH2-25 NEUTRAL
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :AV 2

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.17985	0.21	9.98	32.17	42.36	54.49	12.13	Average
2	0.17985	0.21	9.98	40.23	50.42	64.49	14.07	QP
3	0.26940	0.21	9.98	34.25	44.44	51.14	6.70	Average
4	0.26940	0.21	9.98	44.60	54.79	61.14	6.35	QP
5	0.41865	0.22	9.98	29.12	39.32	47.47	8.15	Average
6	0.41865	0.22	9.98	36.85	47.05	57.47	10.42	QP
7	0.59775	0.23	9.98	29.60	39.81	46.00	6.19	Average
8	0.59775	0.23	9.98	38.03	48.24	56.00	7.76	QP
9	0.74700	0.23	9.97	28.06	38.26	46.00	7.74	Average
10	0.74700	0.23	9.97	35.18	45.38	56.00	10.62	QP
11	1.195	0.25	9.97	23.15	33.37	46.00	12.63	Average
12	1.195	0.25	9.97	29.13	39.35	56.00	16.65	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

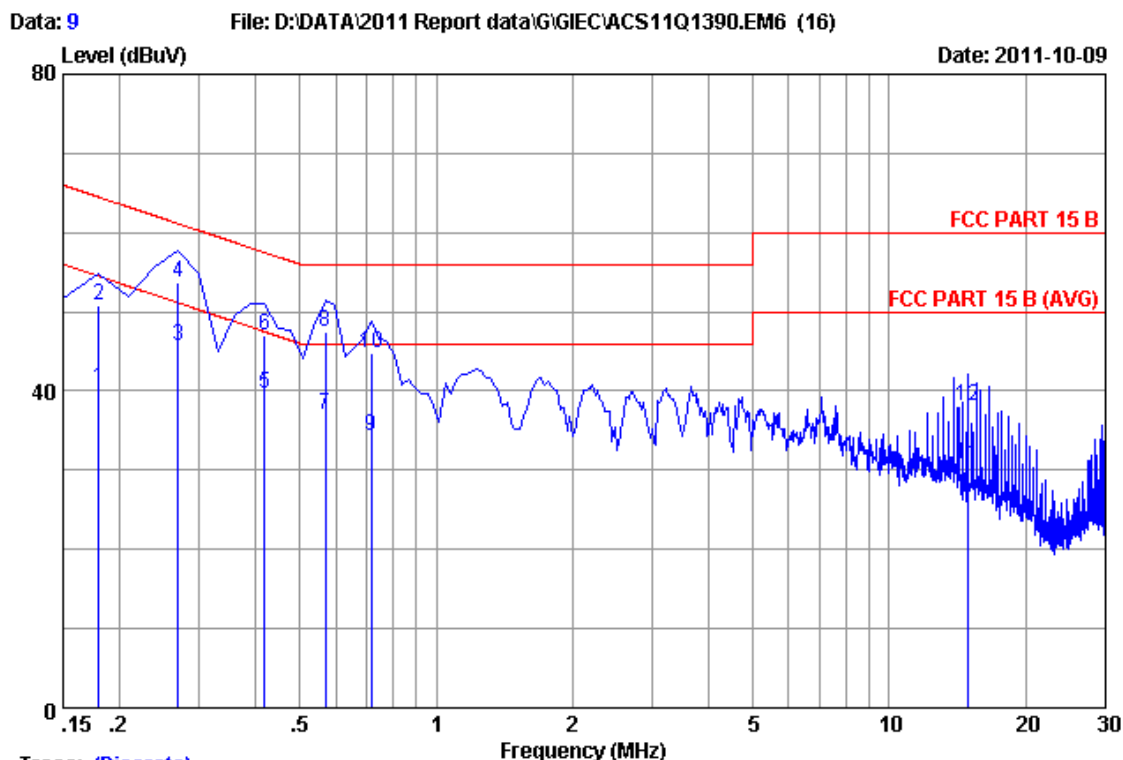


Trace: (Discrete)

Site no : 1#conduction Data No : 10
 Dis./Ant. : ** 2011 ESH2-25 LINE
 Limit : FCC PART 15 B
 Env./Ins. : 29.5°C/55% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701(Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 3

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	32.19	42.34	56.00	13.66	Average
2	0.15000	0.17	9.98	44.23	54.38	66.00	11.62	QP
3	0.29925	0.18	9.98	33.55	43.71	50.26	6.55	Average
4	0.29925	0.18	9.98	42.16	52.32	60.26	7.94	QP
5	0.59775	0.19	9.98	25.55	35.72	46.00	10.28	Average
6	0.59775	0.19	9.98	38.60	48.77	56.00	7.23	QP
7	0.74700	0.20	9.97	29.34	39.51	46.00	6.49	Average
8	0.74700	0.20	9.97	36.11	46.28	56.00	9.72	QP
9	1.165	0.24	9.98	21.14	31.36	46.00	14.64	Average
10	1.165	0.24	9.98	29.13	39.35	56.00	16.65	QP
11	14.866	0.96	9.92	20.52	31.40	50.00	18.60	Average
12	14.866	0.96	9.92	28.07	38.95	60.00	21.05	QP

Remarks: 1. Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Trace: (Discrete)

Site no :1#conduction Data No :9
 Dis./Ant. :** 2011 ESH2-25 NEUTRAL
 Limit :FCC PART 15 B
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :HOME ROAM M/N:HR701(Transmitter)
 Power Rating :DC 9V From Adapter Input AC 120V/60Hz
 Test Mode :AV 3

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.21	9.98	30.17	40.36	54.49	14.13	Average
2	0.17985	0.21	9.98	40.63	50.82	64.49	13.67	QP
3	0.26940	0.21	9.98	35.45	45.64	51.14	5.50	Average
4	0.26940	0.21	9.98	43.57	53.76	61.14	7.38	QP
5	0.41865	0.22	9.98	29.46	39.66	47.47	7.81	Average
6	0.41865	0.22	9.98	36.84	47.04	57.47	10.43	QP
7	0.56790	0.22	9.98	26.85	37.05	46.00	8.95	Average
8	0.56790	0.22	9.98	37.25	47.45	56.00	8.55	QP
9	0.71715	0.23	9.97	24.18	34.38	46.00	11.62	Average
10	0.71715	0.23	9.97	34.57	44.77	56.00	11.23	QP
11	14.866	0.60	9.92	20.12	30.64	50.00	19.36	Average
12	14.866	0.60	9.92	27.51	38.03	60.00	21.97	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)
 +Reading.
 2.If the average limit is met when using a quasi-peak detector.
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipment

4.1.1. For frequency range 30MHz~1000MHz (At Anechoic Chamber)

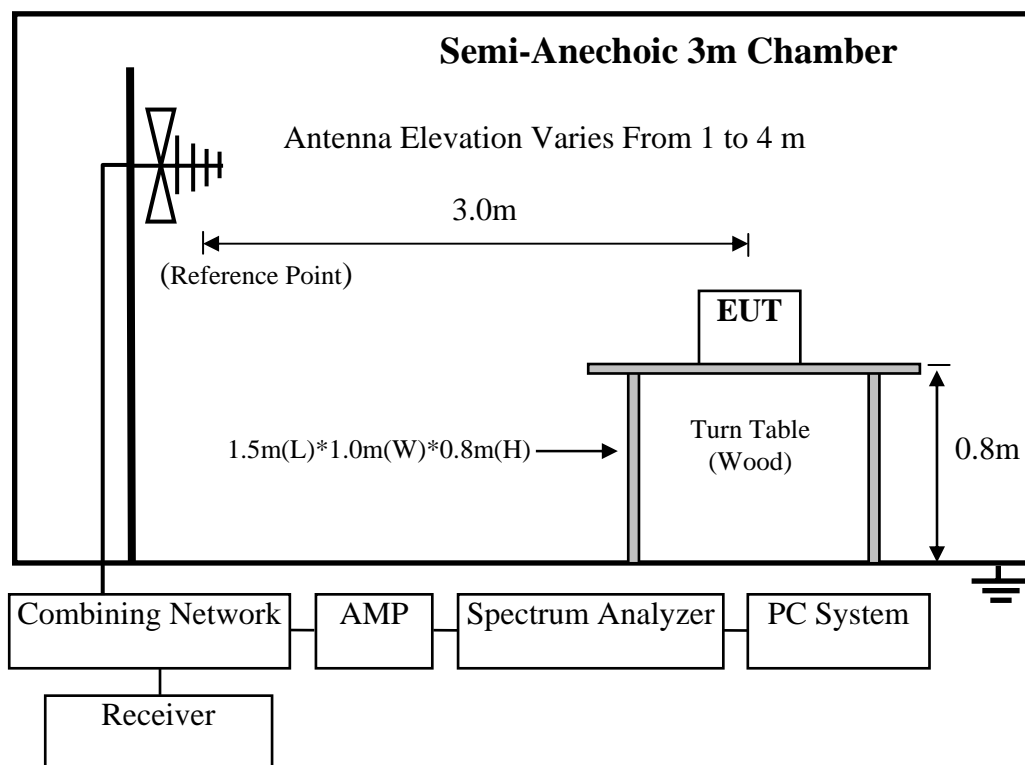
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.06,10	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 11	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 11	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 11	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Oct.26, 10	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 11	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 11	1 Year

4.1.2. For frequency range 1GHz~6GHz (At Anechoic Chamber)

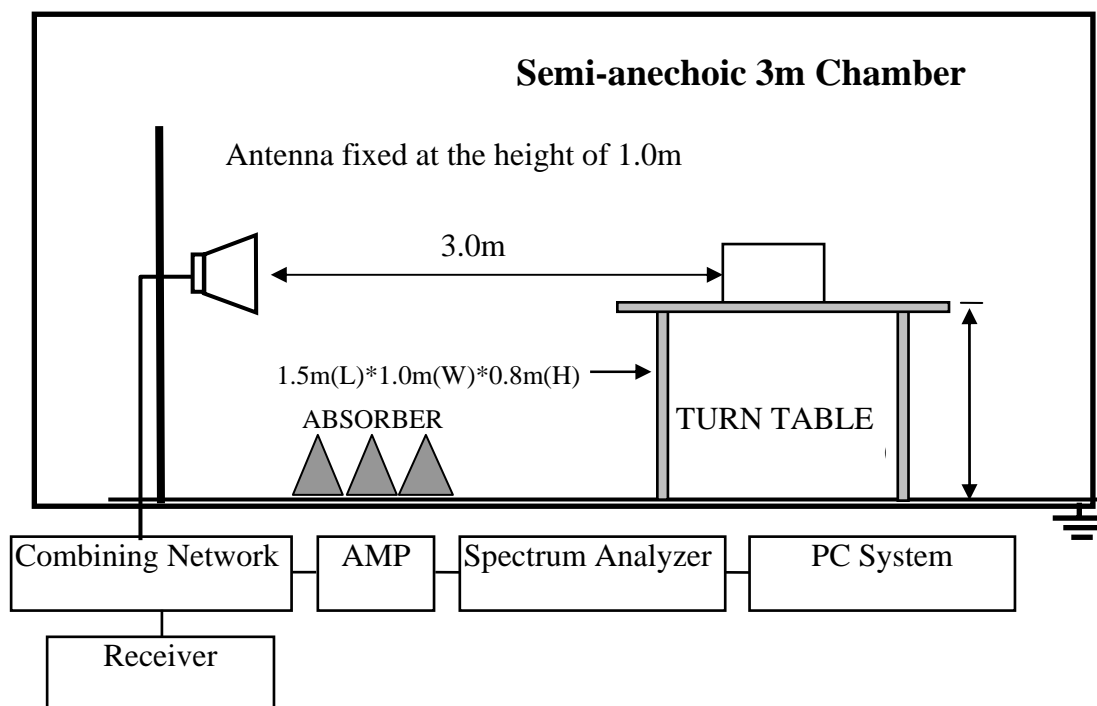
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 11	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	July.01, 11	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 11	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28622/2	May.08, 11	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 11	1 Year

4.2. Block Diagram of Test Setup

4.2.1. In Anechoic Chamber Test Setup Diagram for 30MHz~1000MHz



4.2.2. Anechoic Chamber Test Setup Diagram for 1-6GHz



4.3. Radiated Emission Limit

Frequency MHz	Distance (Meters)	Field Strengths Limits dB(μV)/m
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0
1000 ~ 6000	3	74(Peak) 54(Average)

Remark: (1) Emission level = Antenna Factor + Cable Loss + Reading

Emission level = Antenna Factor - Amp Factor + Cable Loss + Reading (above 1000MHz)

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4. EUT Configuration on Test

The configurations of EUT are listed in Section 3.5

4.5. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 4.2.

4.6. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2009 on Radiated Emission test.

The bandwidth setting on the test receiver (R&S TEST RECEIVER ESVS10) is 120 kHz.

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.7.

4.7. Radiated Disturbance Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: HOME ROAM Model No. : HR701 (Transmitter)

The EUT with the following test modes were tested and selected to read Q.P values, all the test results listed in next pages.

Test Date: Oct.18, 2011 Temperature: 24°C Humidity: 56%

The details of test mode are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	TV/Cable In	#9	#10
2.	AV 1	#11	#12
3. ※	AV 2	#13	#14
4.	AV 3	#15	#16

(※ Worst test mode)

For above 1GHz frequency

The EUT with below test mode 1 ~4 was measured within Anechoic Chamber and the test results listed in next pages

Test Date: Oct.18, 2011

Temperature: 24℃

Humidity: 56%

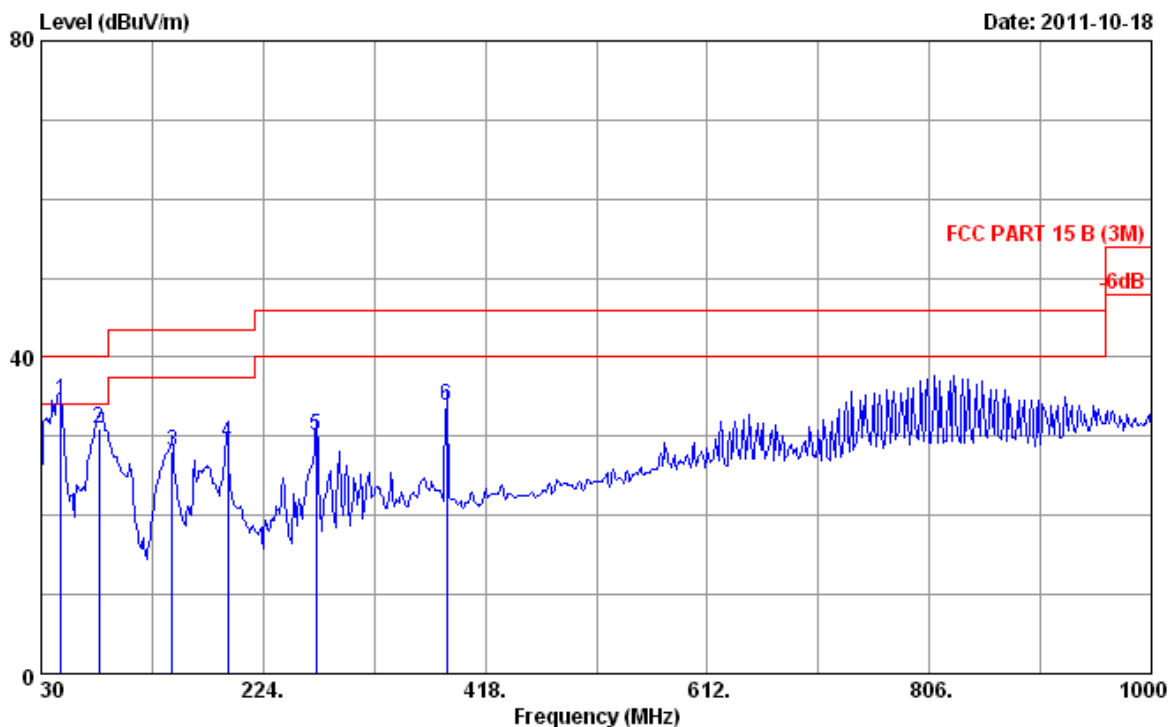
The details of test mode are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	TV/Cable In	#17, #18	#19, #20
2.	AV 1	#21, #22	#23, #24
3.	AV 2	#25, #26	#27, #28
4.	AV 3	#29, #30	#31, #32

Data: 9

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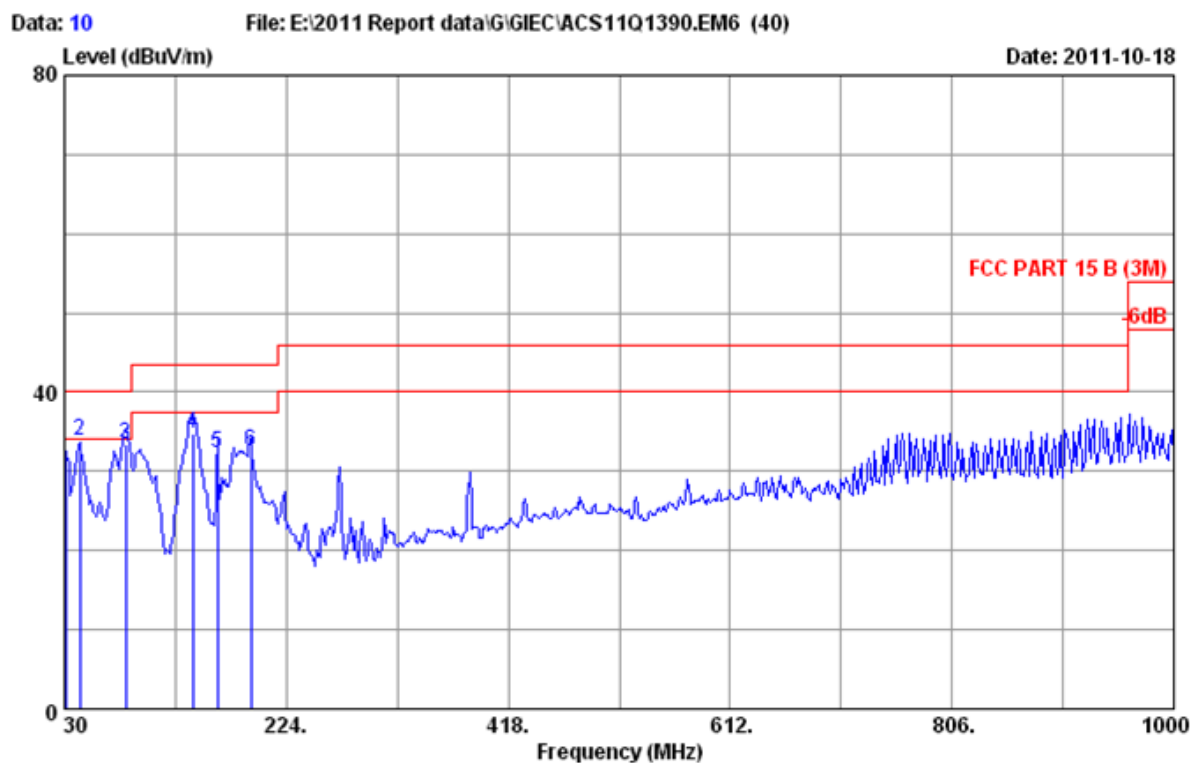
Date: 2011-10-18



Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : TV/Cable In

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	47.460	10.55	0.79	23.15	34.49	40.00	5.51	QP
2	80.440	7.80	1.03	22.15	30.98	40.00	9.02	QP
3	144.460	11.92	1.46	14.75	28.13	43.50	15.37	QP
4	192.960	9.58	1.78	17.84	29.20	43.50	14.30	QP
5	270.560	13.28	2.66	14.14	30.08	46.00	15.92	QP
6	384.050	15.94	3.28	14.70	33.92	46.00	12.08	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : TV/Cable In

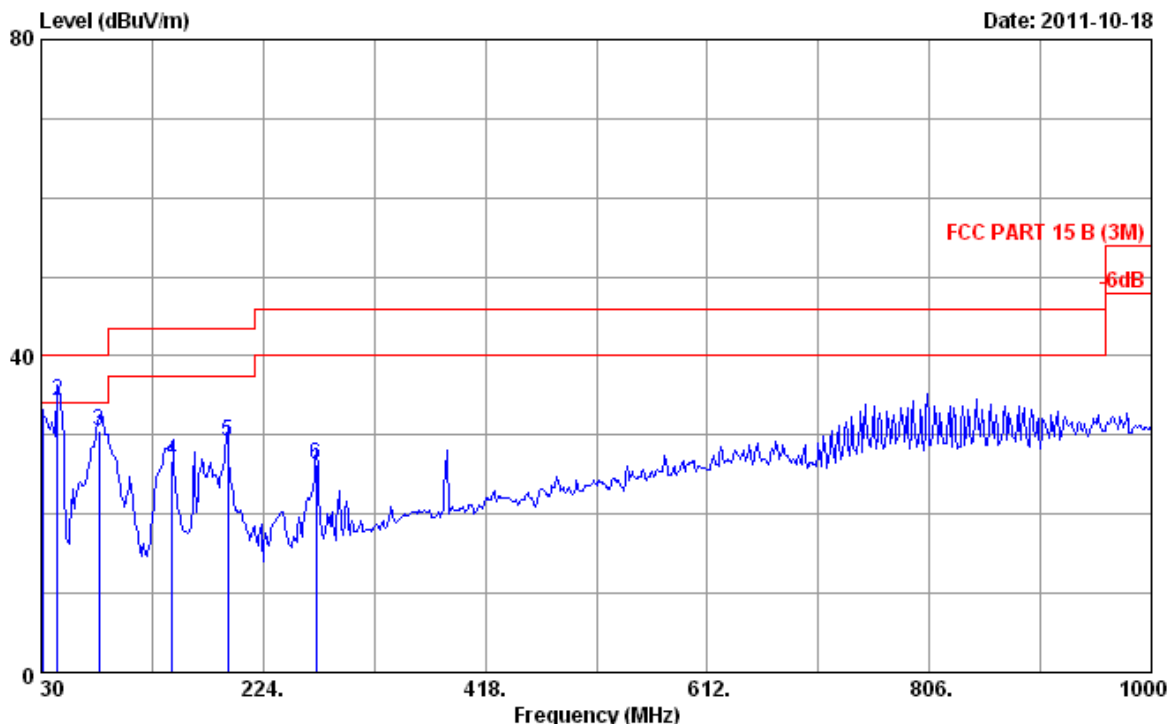
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	10.43	29.92	40.00	10.08	QP
2	43.580	12.34	0.76	20.75	33.85	40.00	6.15	QP
3	83.350	8.16	1.05	24.30	33.51	40.00	6.49	QP
4	142.520	11.95	1.45	21.45	34.85	43.50	8.65	QP
5	163.860	10.78	1.59	19.95	32.32	43.50	11.18	QP
6	192.960	9.58	1.78	21.27	32.63	43.50	10.87	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 11

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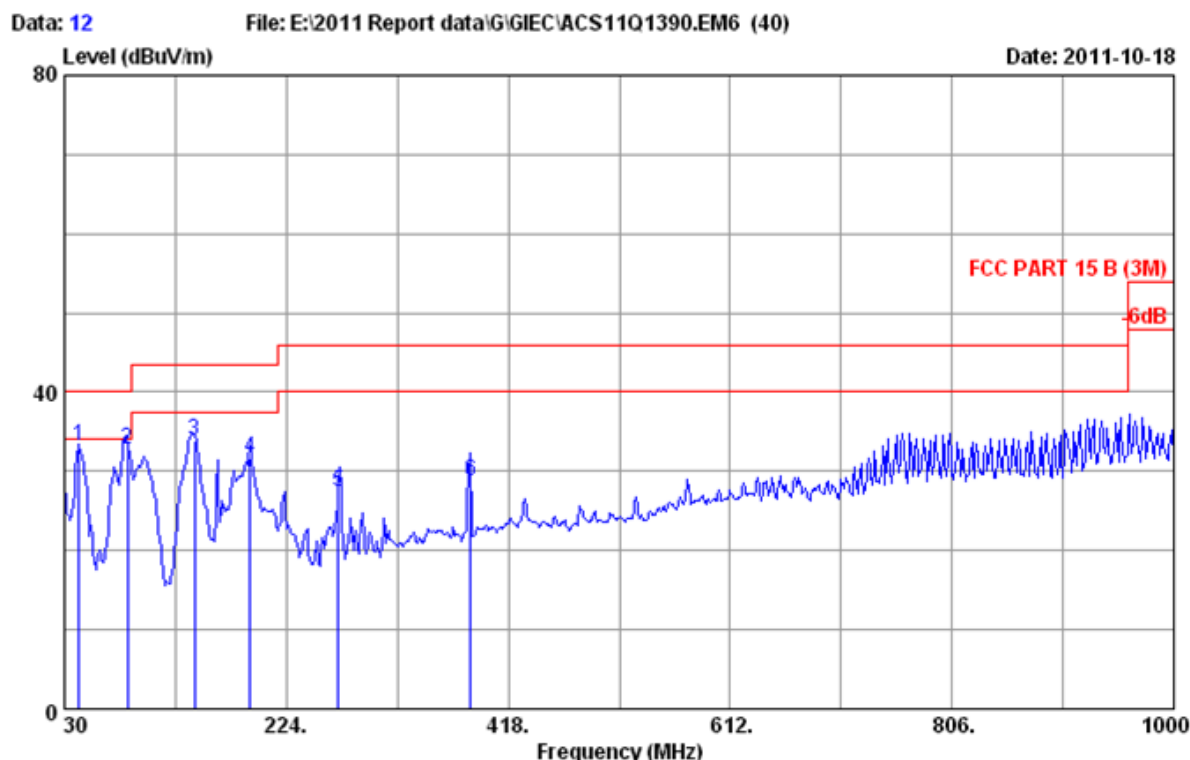
Date: 2011-10-18



Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	11.00	30.49	40.00	9.51	QP
2	44.550	11.80	0.77	21.69	34.26	40.00	5.74	QP
3	80.440	7.80	1.03	21.59	30.42	40.00	9.58	QP
4	144.460	11.92	1.46	13.37	26.75	43.50	16.75	QP
5	192.960	9.58	1.78	17.83	29.19	43.50	14.31	QP
6	270.560	13.28	2.66	10.41	26.35	46.00	19.65	QP

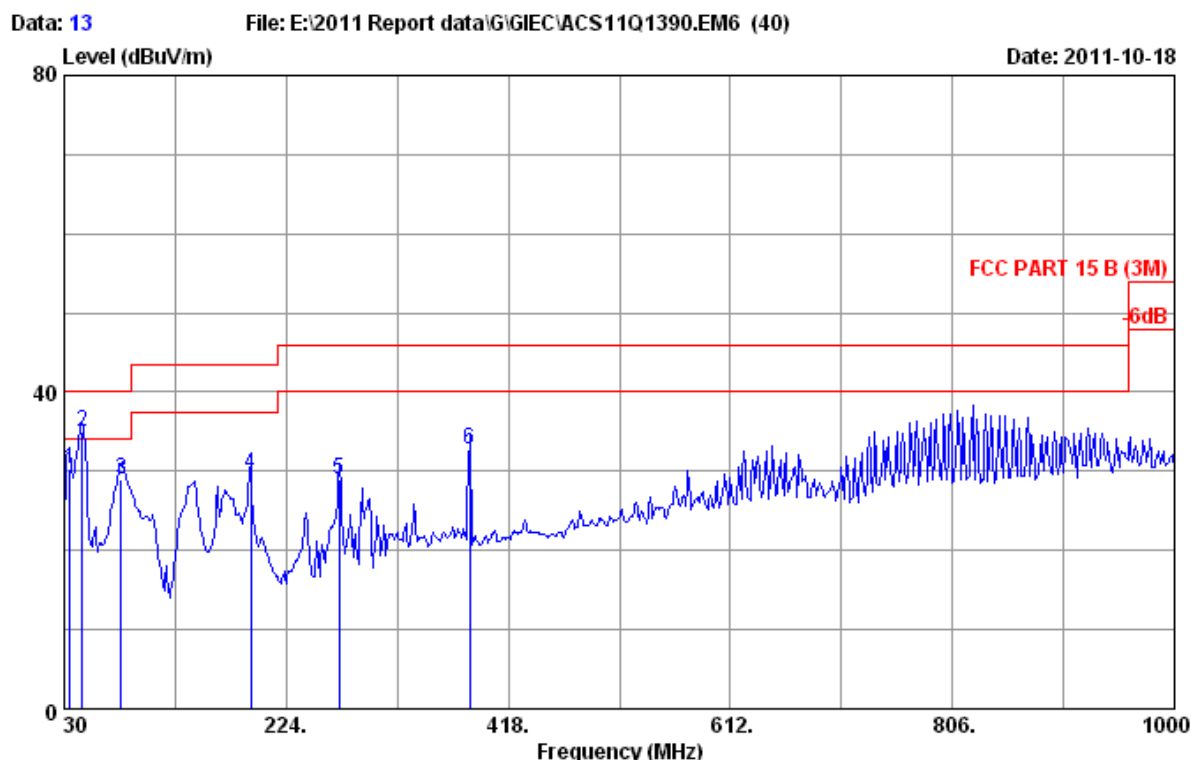
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	42.610	12.88	0.74	19.56	33.18	40.00	6.82	QP
2	85.290	8.40	1.07	23.23	32.70	40.00	7.30	QP
3	143.490	11.93	1.45	20.38	33.76	43.50	9.74	QP
4	191.990	9.52	1.78	20.40	31.70	43.50	11.80	QP
5	269.590	13.30	2.65	11.40	27.35	46.00	18.65	QP
6	385.020	16.00	3.28	9.55	28.83	46.00	17.17	QP

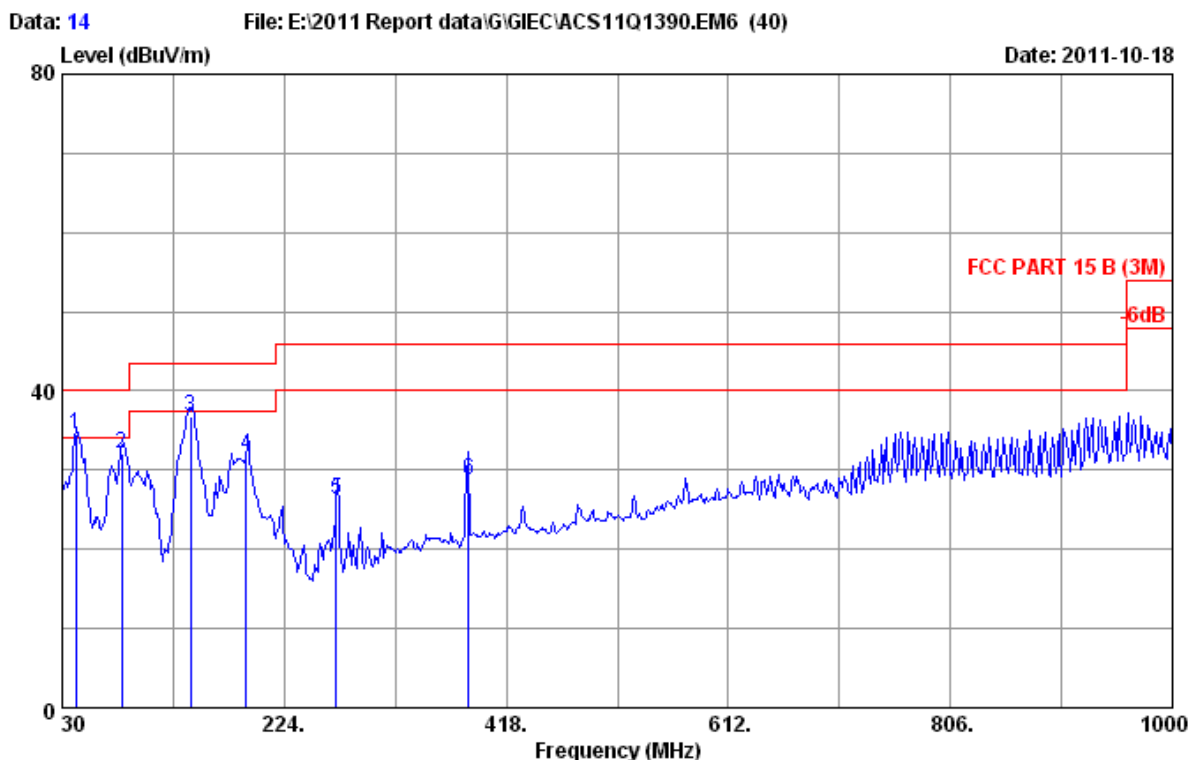
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	17.20	0.65	12.48	30.33	40.00	9.67	QP
2	45.520	11.38	0.78	22.83	34.99	40.00	5.01	QP
3	79.470	7.72	1.03	20.31	29.06	40.00	10.94	QP
4	192.960	9.58	1.78	18.24	29.60	43.50	13.90	QP
5	270.560	13.28	2.66	12.93	28.87	46.00	17.13	QP
6	384.050	15.94	3.28	13.49	32.71	46.00	13.29	QP

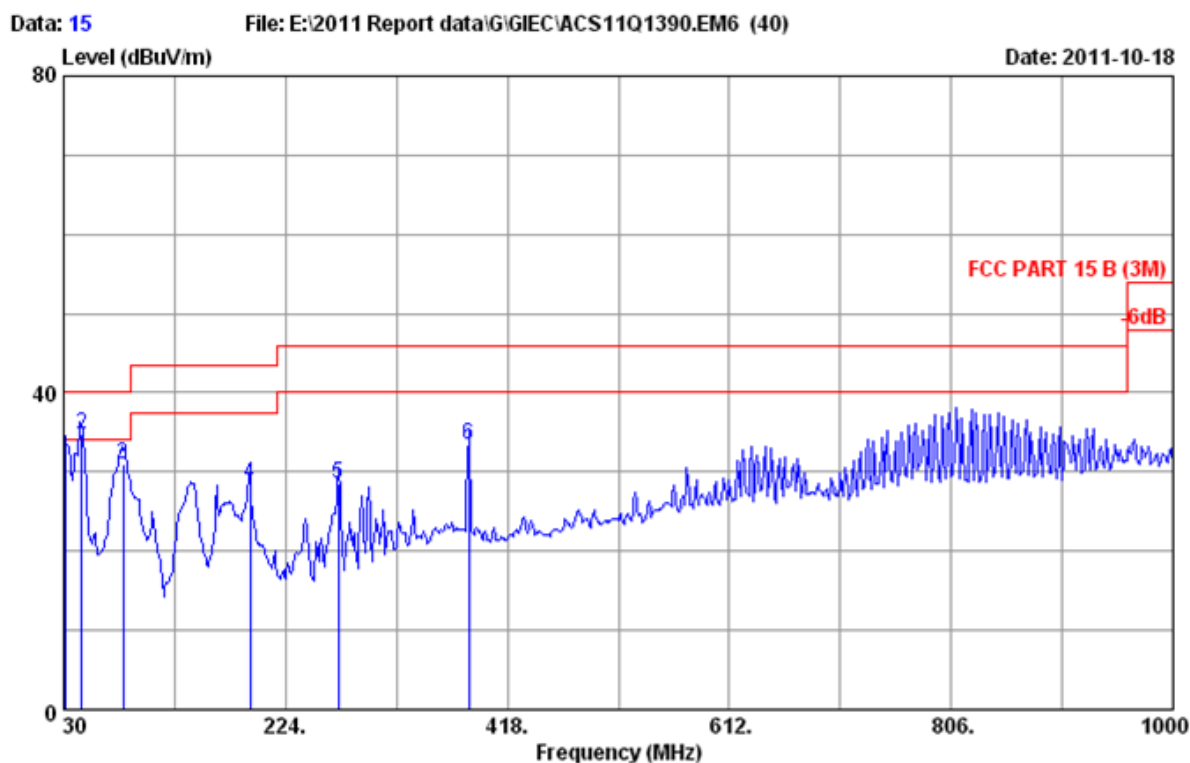
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 45.520 MHz with corrected signal level of 34.99 dBuV/m (Limit is 46.00 dBuV/m) when the antenna was at horizontal polarization and at 1.0m high and the turn table was at 310°.
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.640	13.42	0.73	20.36	34.51	40.00	5.49	QP
2	82.380	8.04	1.05	22.94	32.03	40.00	7.97	QP
3	142.520	11.95	1.45	23.45	36.85	43.50	6.65	QP
4	191.020	9.46	1.77	20.55	31.78	43.50	11.72	QP
5	269.590	13.30	2.65	10.40	26.35	46.00	19.65	QP
6	385.020	16.00	3.28	9.55	28.83	46.00	17.17	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. The worst emission was detected at 41.640MHz with corrected signal level of 34.51 dBuV/m (Limit is 40.00 dBuV/m) when the antenna was at vertical polarization and at 1.0m high and the turn table was at 45°.
 4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 3

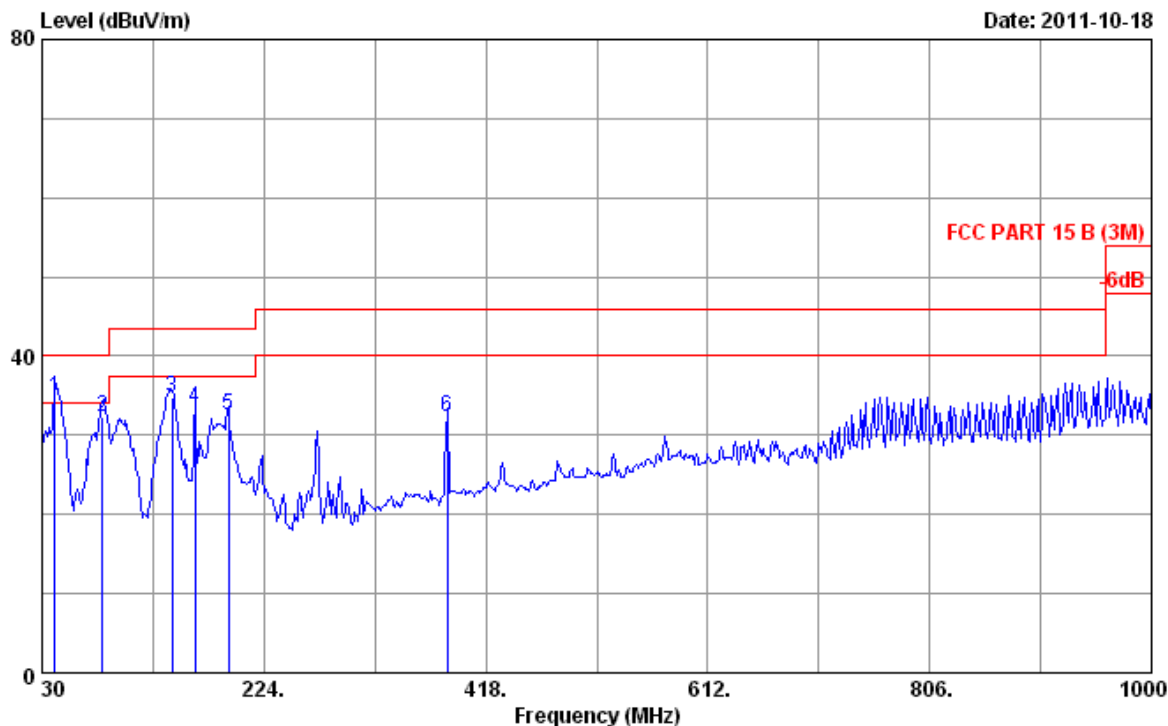
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	12.32	31.81	40.00	8.19	QP
2	45.520	11.38	0.78	22.62	34.78	40.00	5.22	QP
3	82.380	8.04	1.05	21.84	30.93	40.00	9.07	QP
4	192.960	9.58	1.78	17.05	28.41	43.50	15.09	QP
5	270.560	13.28	2.66	12.53	28.47	46.00	17.53	QP
6	384.050	15.94	3.28	14.24	33.46	46.00	12.54	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 16

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

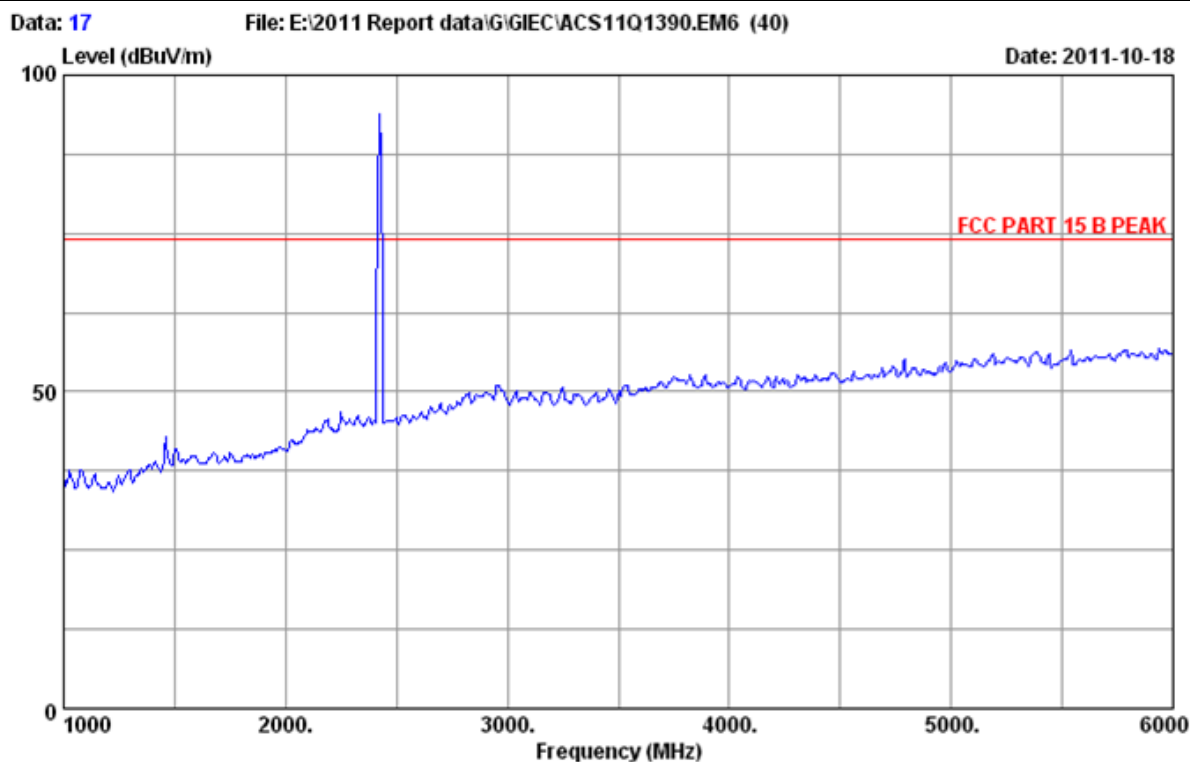
Date: 2011-10-18



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 3

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.560	13.42	0.73	20.60	34.75	40.00	5.25	QP
2	83.194	8.16	1.05	23.00	32.21	40.00	7.79	QP
3	143.490	11.93	1.45	21.38	34.76	43.50	8.74	QP
4	163.860	10.78	1.59	20.95	33.32	43.50	10.18	QP
5	192.960	9.58	1.78	21.27	32.63	43.50	10.87	QP
6	384.050	15.94	3.28	13.12	32.34	46.00	13.66	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

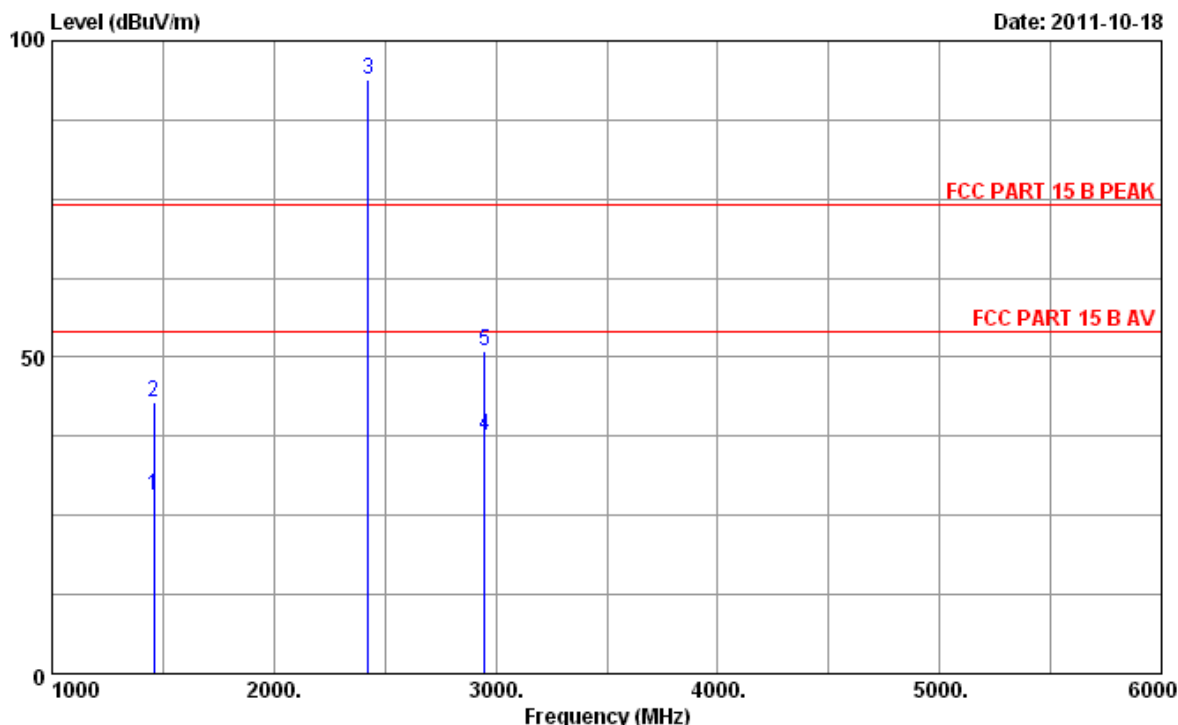


Site no.	: 3m chamber	Data no.	: 17
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: TV/Cable In		
	:		
	:		

Data: 18

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Date: 2011-10-18



Site no. : 3m chamber Data no. : 18
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : TV/Cable In
 :
 :

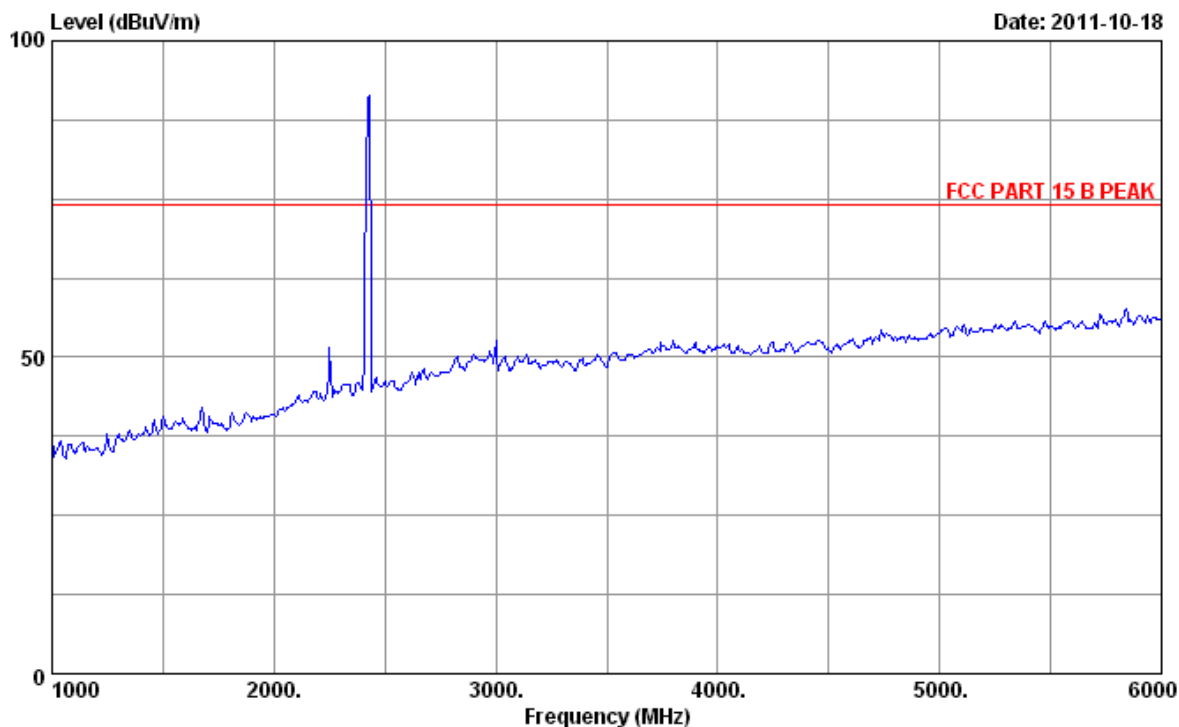
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1460.000	25.20	3.76	34.26	28.18	54.00	25.82	Average
2	1460.000	25.20	3.76	48.98	42.90	74.00	31.10	Peak
3	2425.000	28.00	5.33	94.99	93.85	74.00	-19.85	Fundamental Signal
4	2950.000	29.81	6.19	35.78	37.47	54.00	16.53	Average
5	2950.000	29.81	6.19	49.32	51.01	74.00	22.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 19

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

Date: 2011-10-18

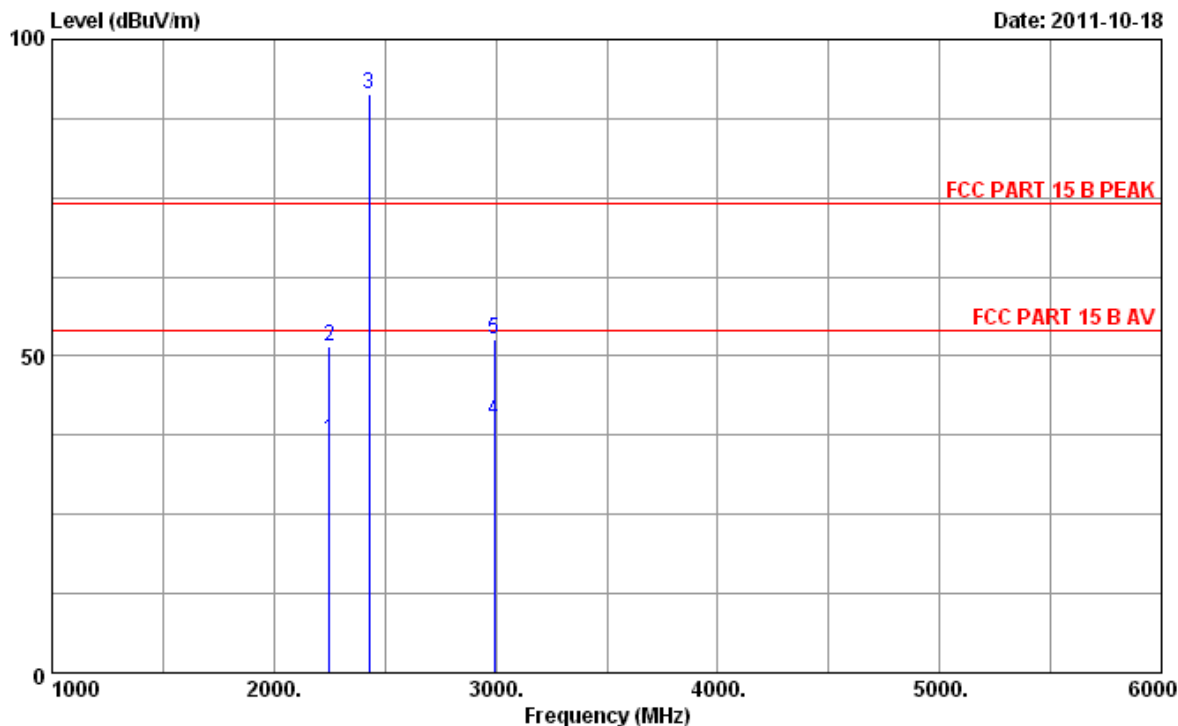


Site no.	: 3m chamber	Data no.	: 19
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: TV/Cable In		
	:		
	:		

Data: 20

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

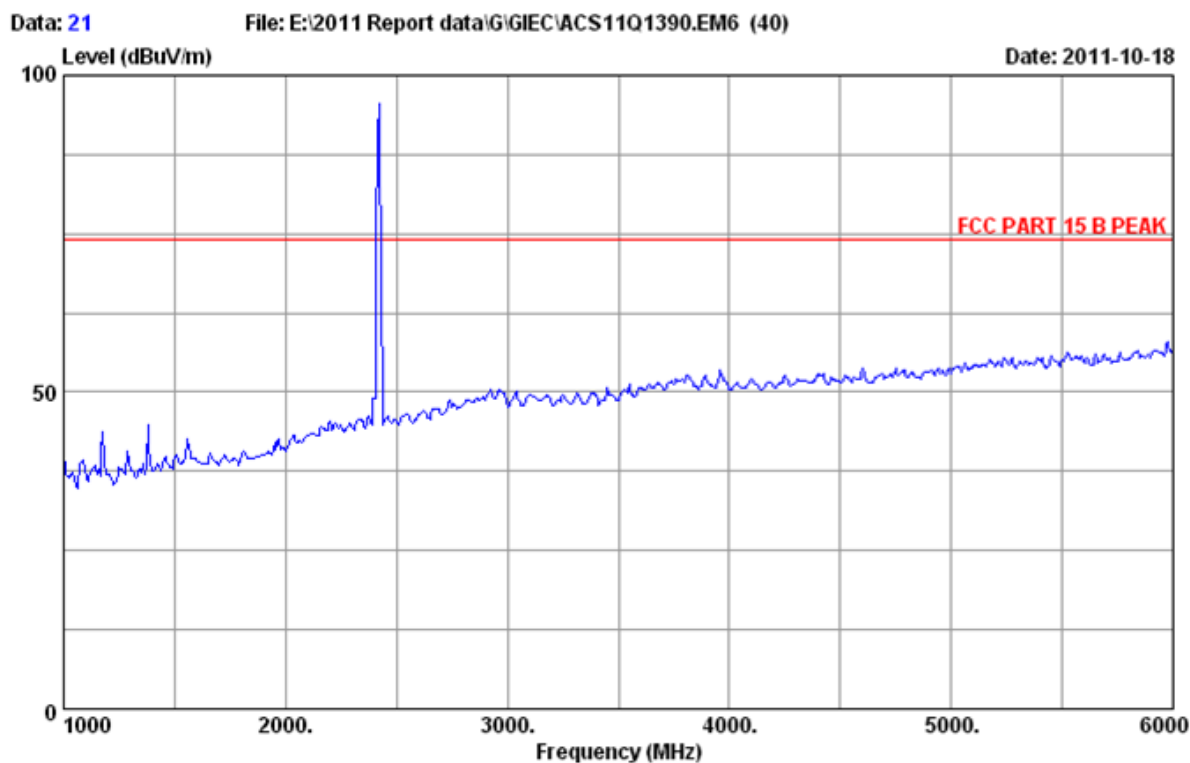
Date: 2011-10-18



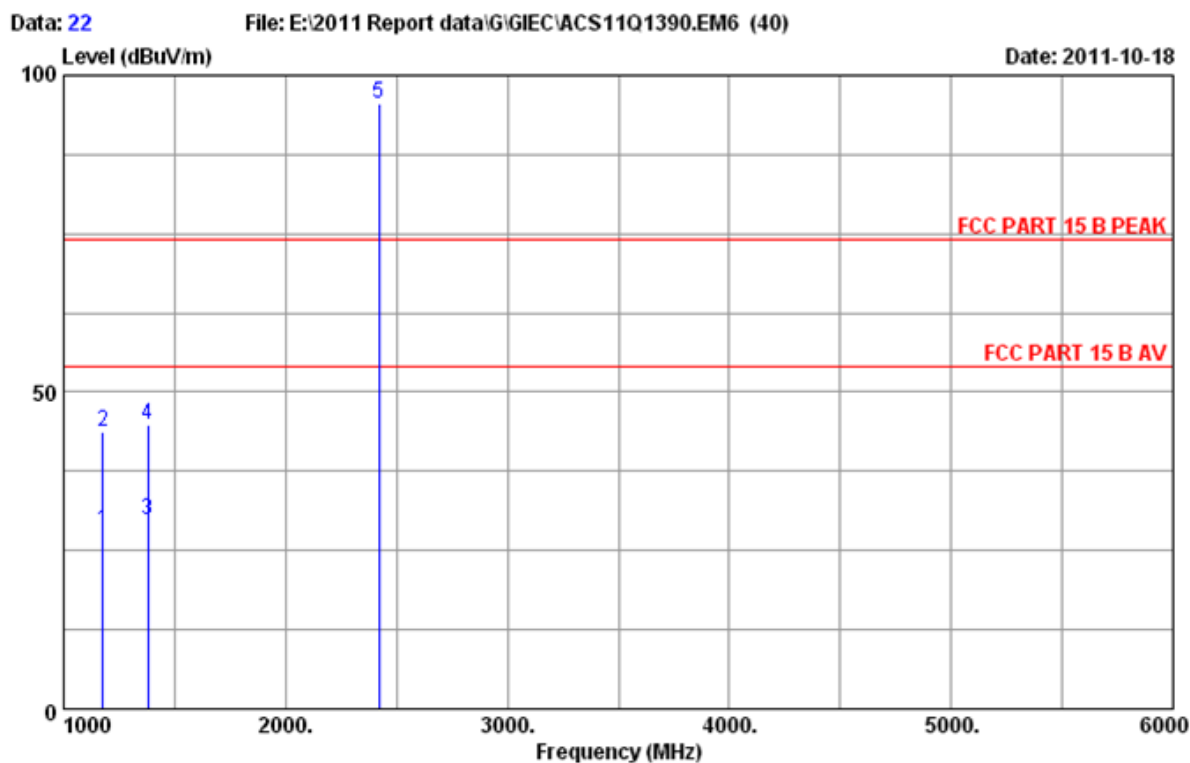
Site no. : 3m chamber Data no. : 20
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : TV/Cable In
 :
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2251.000	27.76	5.06	38.45	36.75	54.00	17.25	Average
2	2251.000	27.76	5.06	53.33	51.63	74.00	22.37	Peak
3	2430.000	28.00	5.36	92.34	91.23	74.00	-17.23	Fundamental Signal
4	2995.000	29.94	6.28	37.78	39.70	54.00	14.30	Average
5	2995.000	29.94	6.28	50.63	52.55	74.00	21.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



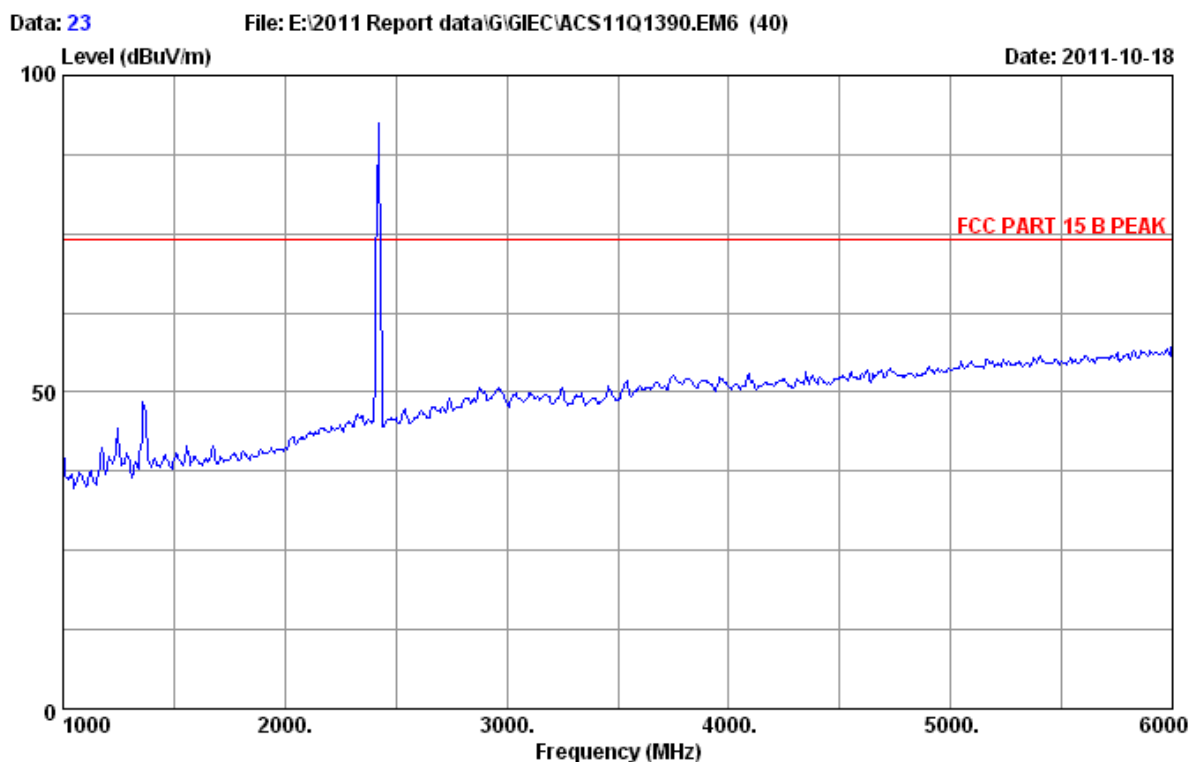
Site no.	: 3m chamber	Data no.	: 21
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 1		
	:		
	:		



Site no. : 3m chamber Data no. : 22
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 1
 :
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1175.000	24.32	3.29	35.83	28.18	54.00	25.82	Average
2	1175.000	24.32	3.29	51.30	43.65	74.00	30.35	Peak
3	1380.000	24.94	3.61	36.28	29.73	54.00	24.27	Average
4	1380.000	24.94	3.61	51.40	44.85	74.00	29.15	Peak
5	2420.000	28.00	5.33	96.63	95.49	74.00	-21.49	Fundamental Signal

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

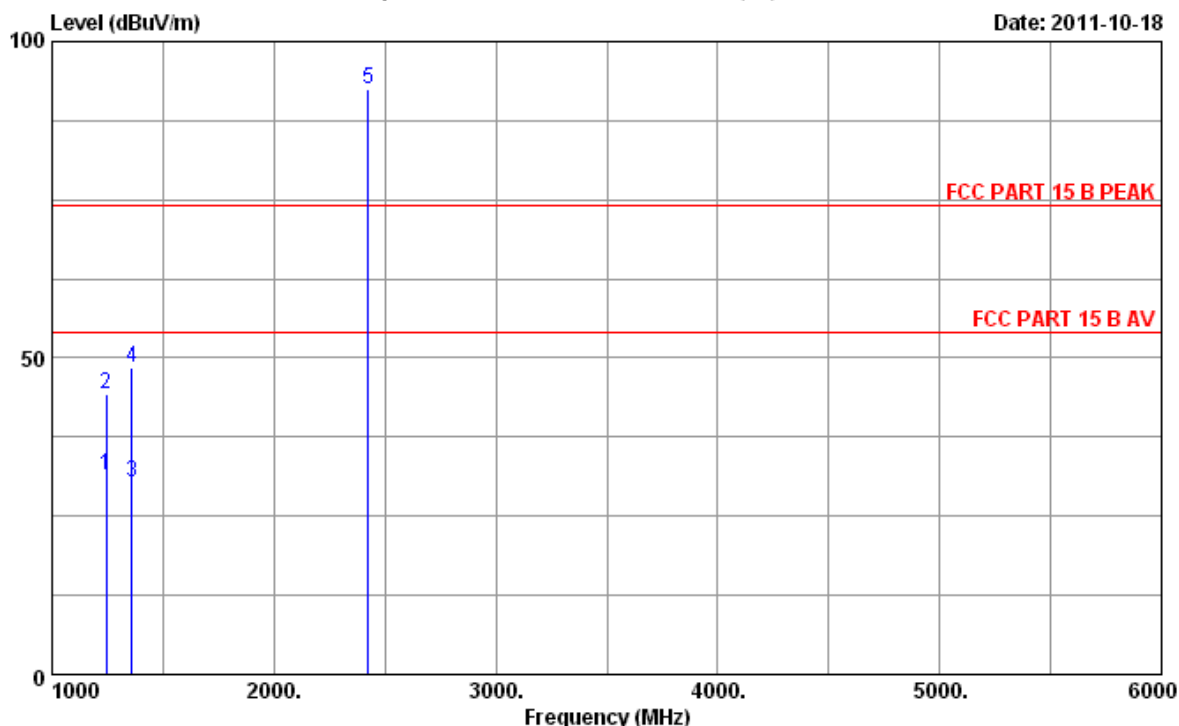


Site no.	: 3m chamber	Data no.	: 23
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 1		
	:		
	:		

Data: 24

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

Date: 2011-10-18

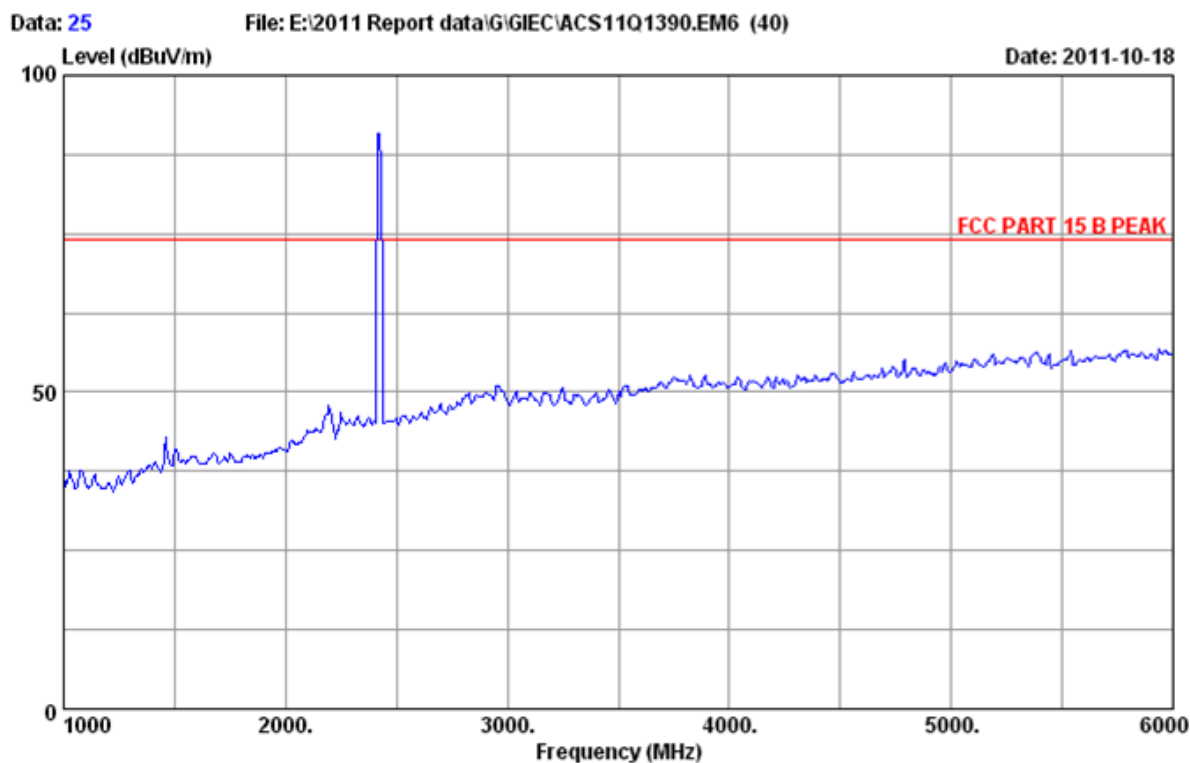


Site no. : 3m chamber
 Dis. / Ant. : 3m 2011 3115 4580
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56%
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 1
 :
 :

Data no. : 24
 Ant. pol. : VERTICAL
 Engineer : Leo-Li

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1	1245.000	24.52	3.40	38.86	31.58	54.00	22.42	Average
2	1245.000	24.52	3.40	51.48	44.20	74.00	29.80	Peak
3	1360.000	24.89	3.58	36.92	30.27	54.00	23.73	Average
4	1360.000	24.89	3.58	55.06	48.41	74.00	25.59	Peak
5	2425.000	28.00	5.33	93.54	92.40	74.00	-18.40	Fundamental Signal

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

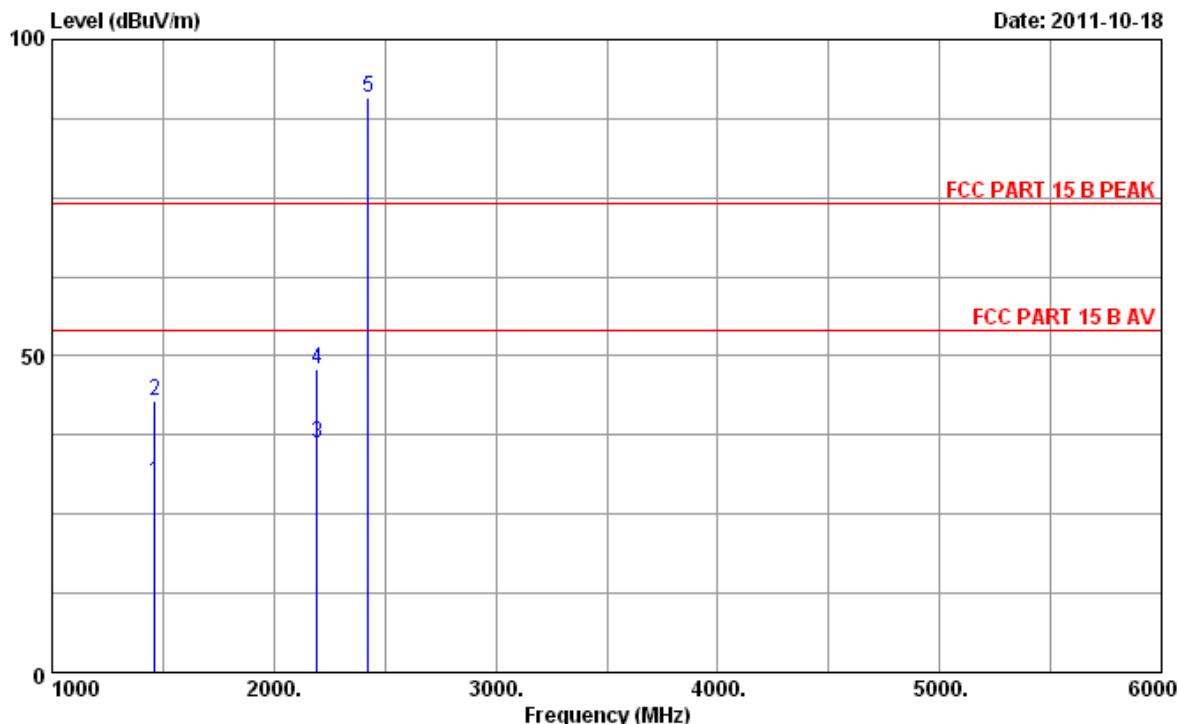


Site no.	: 3m chamber	Data no.	: 25
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 2		
	:		
	:		

Data: 26

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

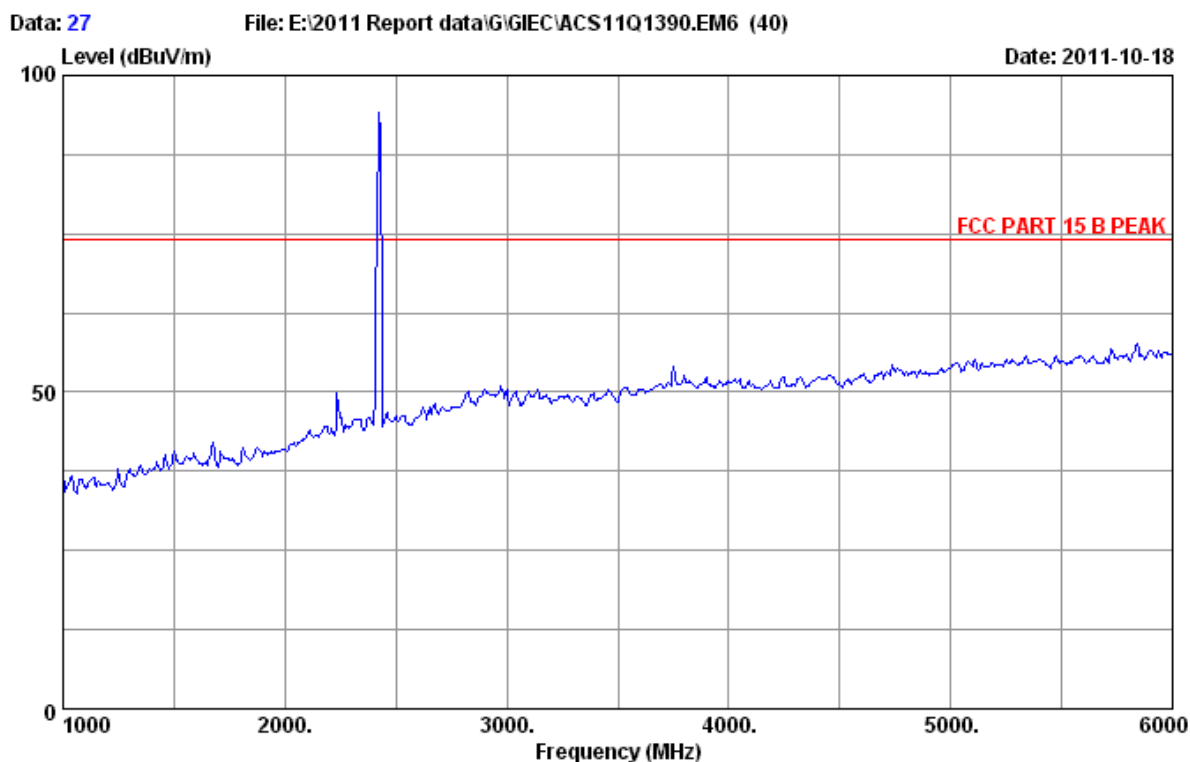
Date: 2011-10-18



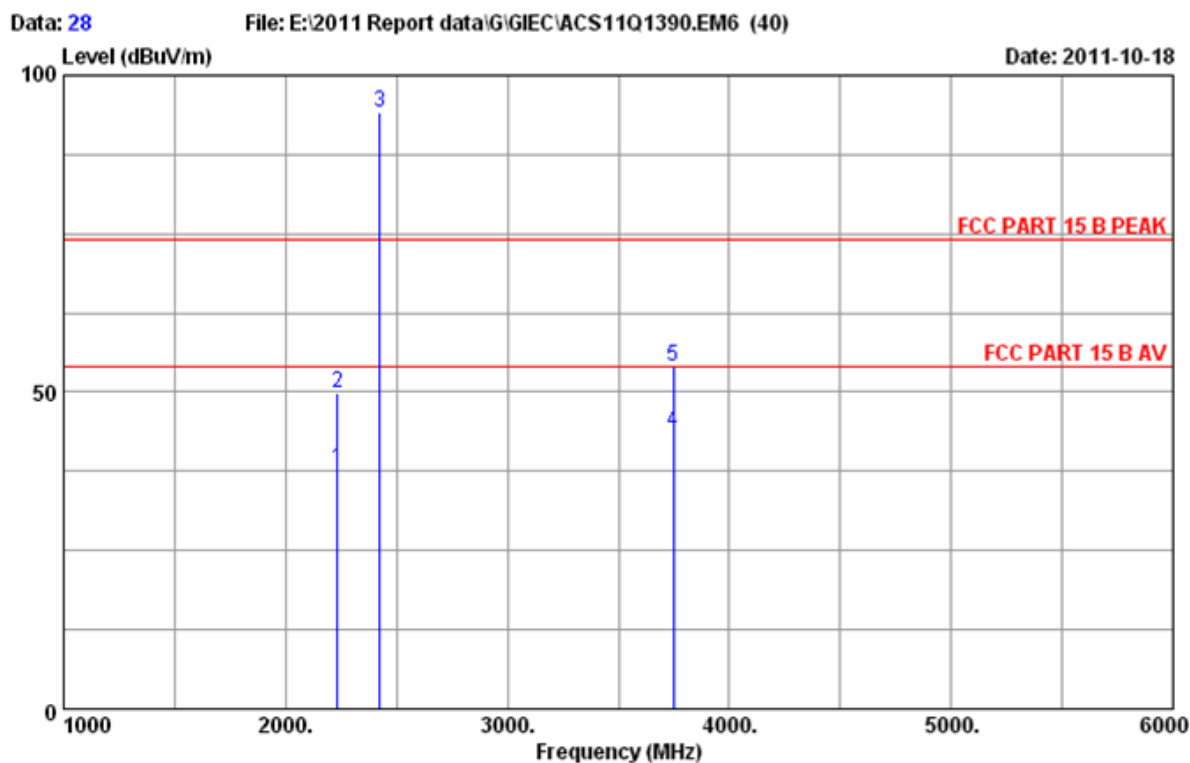
Site no. : 3m chamber Data no. : 26
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 2
 :
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1462.000	25.20	3.76	36.26	30.18	54.00	23.82	Average
2	1462.000	25.20	3.76	48.98	42.90	74.00	31.10	Peak
3	2195.000	27.67	4.95	38.03	36.11	54.00	17.89	Average
4	2195.000	27.67	4.95	49.84	47.92	74.00	26.08	Peak
5	2425.000	28.00	5.33	91.99	90.85	74.00	-16.85	Fundamental Signal

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no.	: 3m chamber	Data no.	: 27
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 2		
	:		
	:		



Site no. : 3m chamber Data no. : 28
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 2
 :
 :

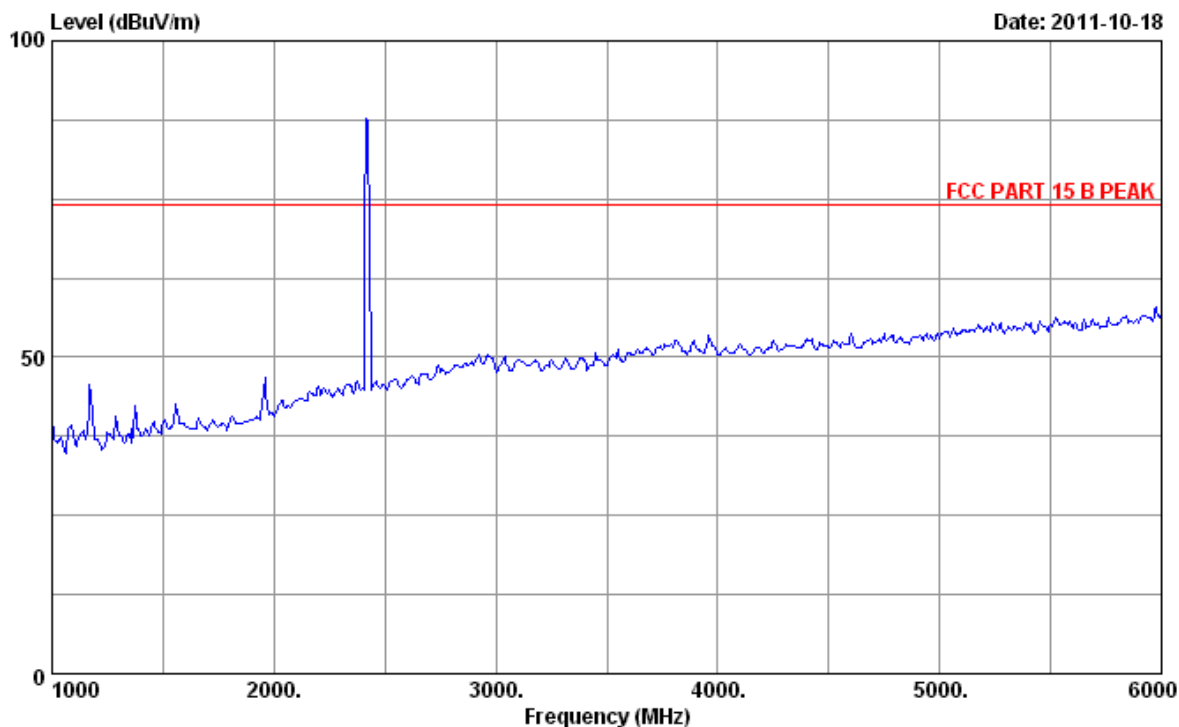
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2235.000	27.74	5.04	39.73	37.98	54.00	16.02	Average
2	2235.000	27.74	5.04	51.70	49.95	74.00	24.05	Peak
3	2425.000	28.00	5.33	95.21	94.07	74.00	-20.07	Fundamental Signal
4	3750.000	31.72	7.16	38.90	43.70	54.00	10.30	Average
5	3750.000	31.72	7.16	49.12	53.92	74.00	20.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 29

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

Date: 2011-10-18

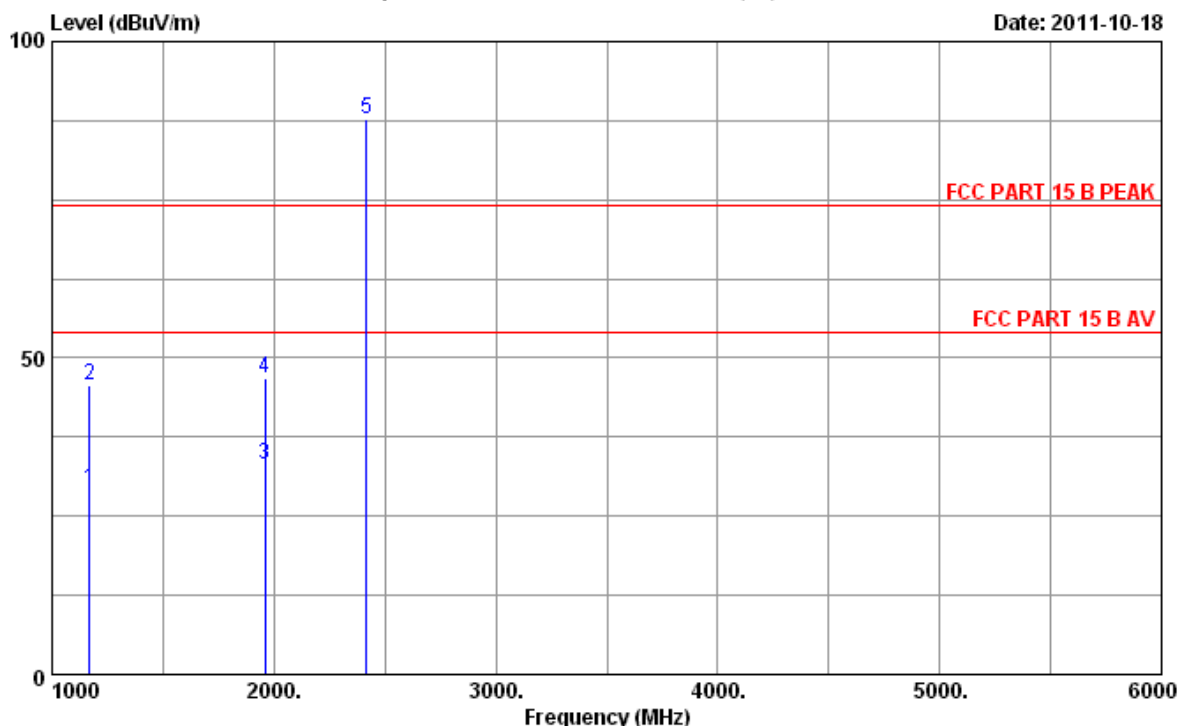


Site no.	: 3m chamber	Data no.	: 29
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 3		
	:		
	:		

Data: 30

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

Date: 2011-10-18



Site no. : 3m chamber Data no. : 30
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 3
 :
 :

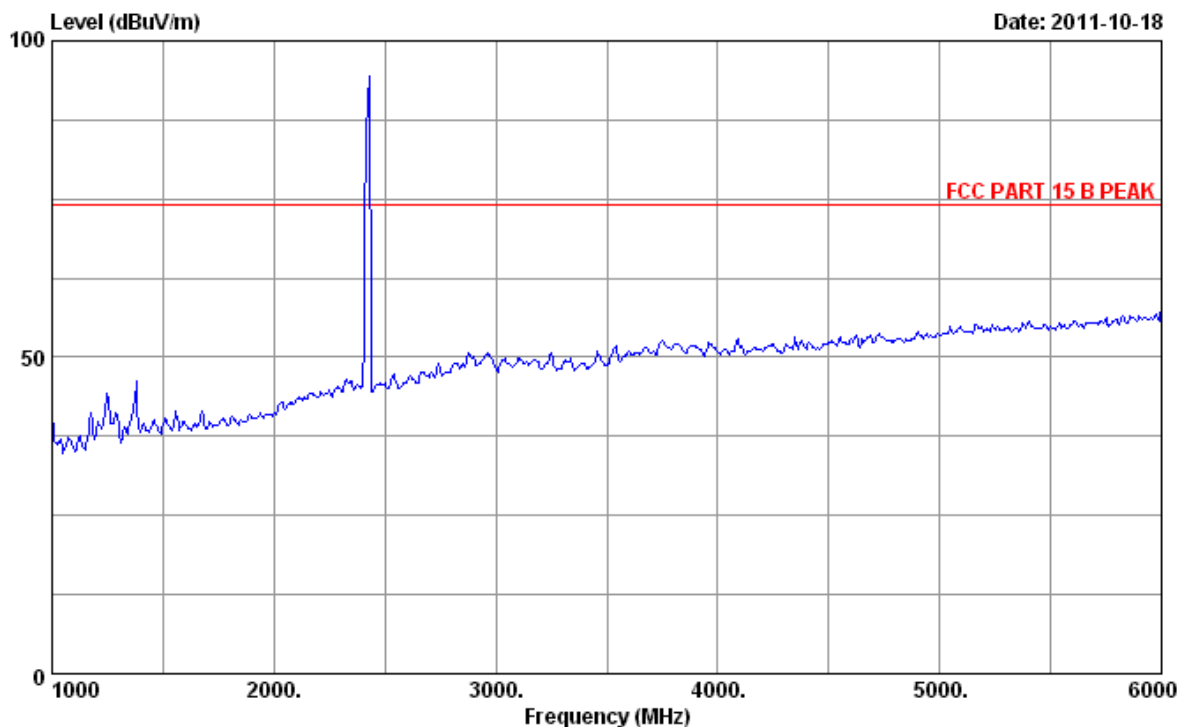
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1170.000	24.32	3.26	36.86	29.18	54.00	24.82	Average
2	1170.000	24.32	3.26	53.44	45.76	74.00	28.24	Peak
3	1960.000	27.19	4.56	35.96	33.07	54.00	20.93	Average
4	1960.000	27.19	4.56	49.71	46.82	74.00	27.18	Peak
5	2415.000	27.98	5.33	88.82	87.66	74.00	-13.66	Fundamental Signal

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

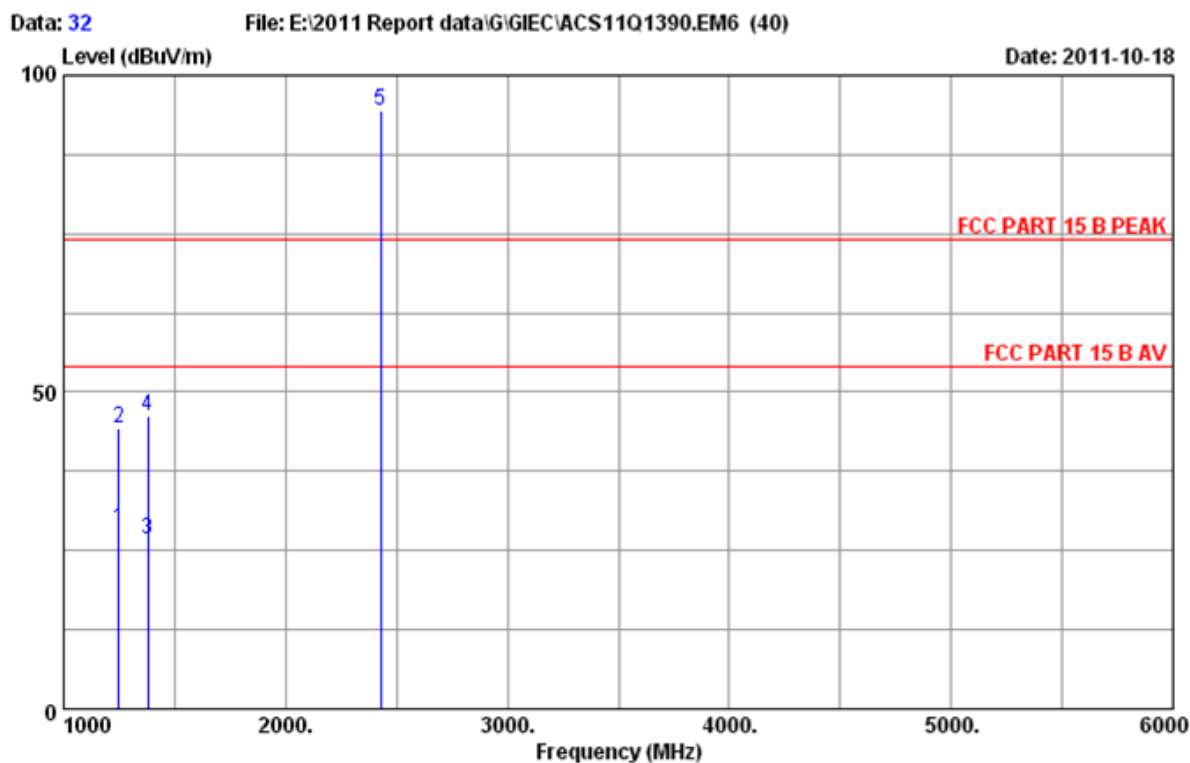
Data: 31

File: E:\2011 Report data\GIGIEC\ACS11Q1390.EM6 (40)

Date: 2011-10-18



Site no.	: 3m chamber	Data no.	: 31
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: VERTICAL
Limit	: FCC PART 15 B PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Leo-Li
EUT	: HOME ROAM M/N:HR701 (Transmitter)		
Power Rating	: DC 9V From Adapter Input AC 120V/60Hz		
Test Mode	: AV 3		
	:		
	:		



Site no. : 3m chamber Data no. : 32
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : HOME ROAM M/N:HR701 (Transmitter)
 Power Rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : AV 3
 :
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1250.000	24.58	3.40	35.67	28.45	54.00	25.55	Average
2	1250.000	24.58	3.40	51.40	44.18	74.00	29.82	Peak
3	1380.000	24.94	3.61	33.18	26.63	54.00	27.37	Average
4	1380.000	24.94	3.61	52.82	46.27	74.00	27.73	Peak
5	2430.000	28.00	5.36	95.55	94.44	54.00	-40.44	Fundamental Signal

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]

6. PHOTOGRAPH

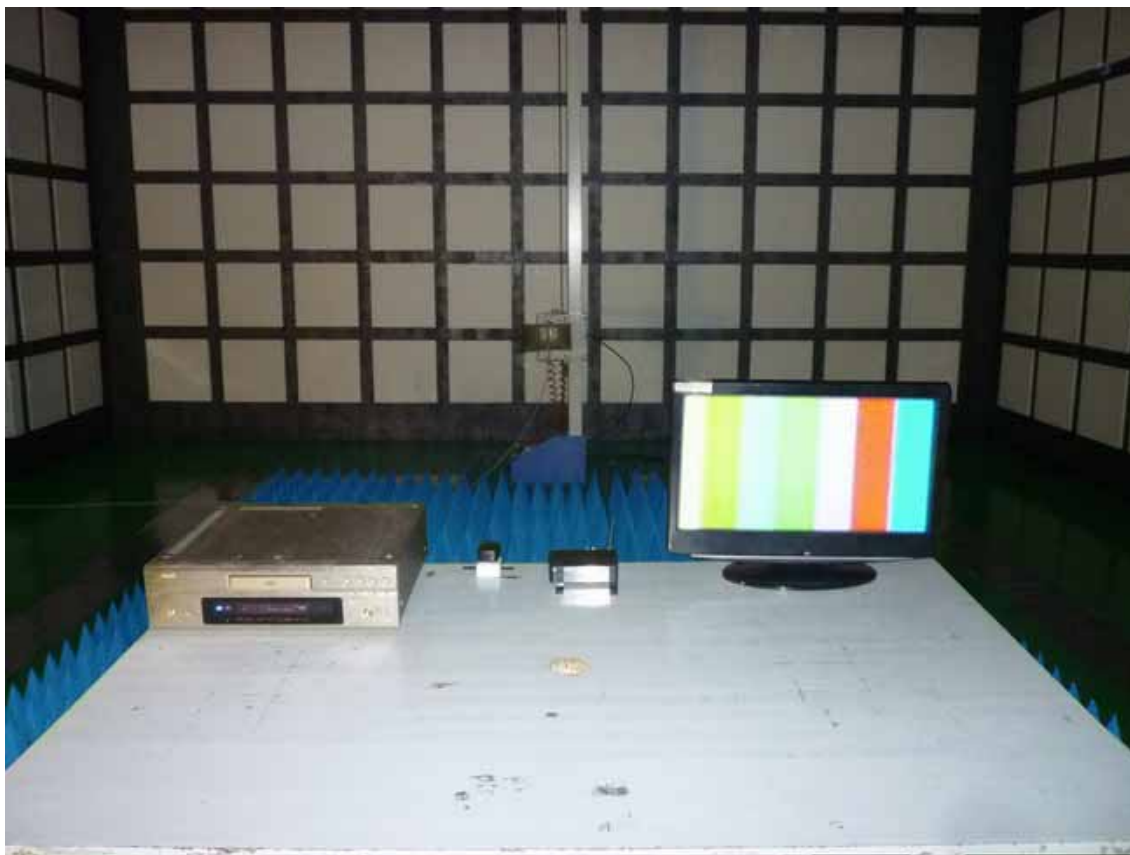
6.1. Photos of Power Line Conducted Emission Test



6.2. Photos of Radiated Emission Test (In Anechoic Chamber)



(At Anechoic 3m Chamber Test 1GHz –6GHz)



7. PHOTOS OF THE EUT

Figure 1
General Appearance of the EUT



Figure 2
General Appearance of the EUT



Figure 3
General Appearance of the EUT



Figure 4
General Appearance of the EUT



Figure 5
General Appearance of the EUT



Figure 6
Inside of the EUT



Figure 7
Inside of the EUT



Figure 8
Inside of the EUT



Figure 9
Inside of the EUT



Figure 10
Inside of the EUT



Figure 11
Inside of the EUT



Figure 12
Inside of the EUT



Figure 13
Component side of the PCB



Figure 14
Component side of the PCB



Figure 15
Component side of the PCB



Figure 16
Component side of the PCB



Figure 17
Component side of the PCB

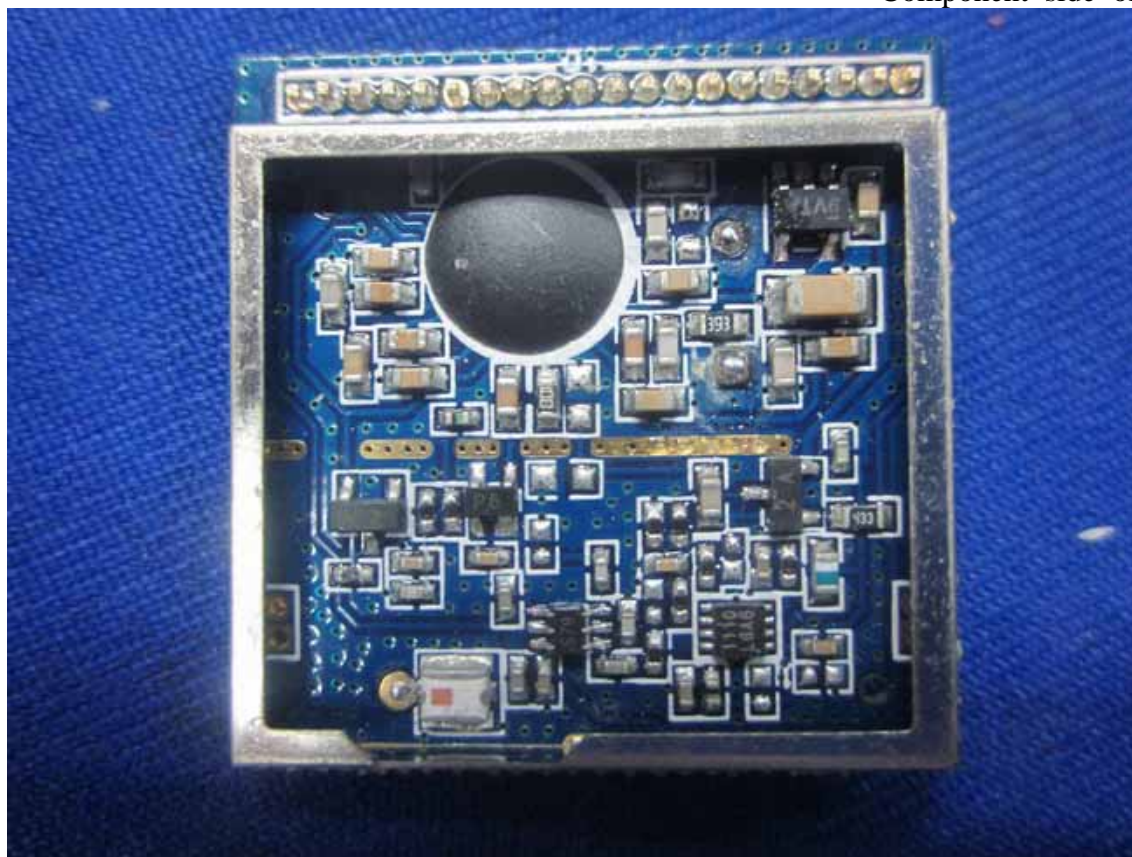


Figure 18
Component side of the PCB



Figure 19
Power Adapter



Figure 20
Power Adapter



Figure 21
Cable