APPLICATION FOR CERTIFICATION
On Behalf of

SHENZHEN JIEHE TECHNOLOGY DEVELOPMENT Co., Ltd

Mother Board

Model Number: Giada MI-H55

FCC ID: YIKMIH55

Prepared for : SHENZHEN JIEHE TECHNOLOGY DEVELOPMENT Co., Ltd
2/F, Block A, Tsinghua Information Harbor, North Section, Shenzhen Hi-tech Park, Nanshan District, Shenzhen, China P. R

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
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Tel: (0755) 26639496

Report Number : ACS-F10139
Date of Test : Jun.12~14, 2010
Date of Report : Jun.28, 2010

TABLE OF CONTENTS

TEST REPORT CERTIFICATION

Applicant : SHENZHEN JIEHE TECHNOLOGY DEVELOPMENT Co., Ltd
EUT Description : Mother Board
FCC ID : YIKMIH55

(A)MODEL NO. : Giada MI-H55
(B)SERIAL NO. : N/A
(C)POWER SUPPLY : Power by PC System
(D)TEST VOLTAGE : AC 120V/60Hz (Via PC System)

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B 2008, 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 limits for radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test : Jun.12~14, 2010

Prepared by : Edie Huang
Edie Huang / Assistant

Reviewer : Jamy Yu
Jamy Yu / Supervisor

Approved & Authorized Signer :
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: Ken Lu 7/1 10'
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**	**Limits**	**Results**
Power Line Conducted Emission Test	FCC Part 15: 2008 ANSI C63.4: 2009	Class B	PASS
Radiated Emission Test	FCC Part 15: 2008 ANSI C63.4: 2009	Class B	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product name	:	Mother Board （Note）
Model Number	:	Giada MI-H55
FCC ID	:	YIKMIH55
Highest clock frequency	:	133MHz
Applicant	:	SHENZHEN JIEHE TECHNOLOGY DEVELOPMENT Co., Ltd 2/F, Block A, Tsinghua Information Harbor, North Section, Shenzhen Hi-tech Park, Nanshan District, Shenzhen, China P.R
Manufacturer	:	CHEER ASCENT Electronics Co., Ltd Block 1, Fuhai Industrial Park, Fuyong town, Baoan District, Shenzhen, China P.R
Date of Test	:	Jun.12~14, 2010
Date of Receipt	:	Jun.07, 2010
Sample Type	:	Series production

Note: This EUT is Class B personal computer main board, for test purpose, a typical Class B personal computer was configured by applicant with this EUT.

2.2. Test configuration with EUT

CPU	Core i5 661 @3.33GHz
RAM	Kingtiger 2GB DDR3 1600MHz
Hard disk	Hitachi 500GB SATA
Power supply	Channel well DS1250P 250W

A special PC test software “BurnInTest.exe” was used to exercise all functions of PC (full efficiency running of CPU, read and write data from Hard disk, output “H” character, the video resolution was set at 1920x1200@60Hz ,all output and input port of EUT were also exercised by typical accessories)

2.3. Tested Supporting System Details

2.3.1.MONITOR 1#

EMC CODE	:	ACS-EMC-LM06R
M/N	:	2407WFPb
S/N	:	CN-0YY528-46633-764-1Y8S
Manufacturer	:	DELL
Data Cable (DVI)	:	Shielded, Detachabled, 2.0m
Power Cord	:	Unshielded, Detachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R43002

2.3.2.MONITOR 2#

EMC CODE	:	ACS-EMC-LM07R
M/N	:	3008WFPt
S/N	:	CN-0RW915-71618-846-397L
Manufacturer	:	DELL
Data Cable (VGA)	:	Shielded, Detachabled, 2.0m
HDMI Cable	:	Shielded, Detachabled, 2.0m
Power Cord	:	Unshielded, Detachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R3A002

2.3.3.USB KEYBOARD

EMC CODE	:	ACS-EMC-K05R
M/N	:	KU-0225
SN	:	0019402
Manufacturer	:	Lenovo
Data Cable	:	Shielded, Undetachabled, 1.5m
FCC ID	:	By DoC
BSMI ID	:	R31310

2.3.4.USB MOUSE

EMC CODE	:	ACS-EMC-M07R
M/N	:	M-UARDEL7
S/N	:	HS852130JEH
Manufacturer	:	DELL
Data Cable	:	Shielded, Undetachabled, 2.0m
FCC ID	:	By DoC
BSMI ID	:	T41126

2.3.5.iPod 1#

EMC CODE	:	ACS-EMC-IP01
M/N	:	A1199
S/N	:	YM706MLDVQ5
Manufacturer	:	APPLE
USB Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.6.iPod 2#

EMC CODE	:	ACS-EMC-IP02
M/N	:	A1199
S/N	:	YM706MCQVQ5
Manufacturer	:	APPLE
USB Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.7.iPod 3#

EMC CODE	:	ACS-EMC-IP03
M/N	:	A1199
S/N	:	YM711H3LVQ5
Manufacturer	:	APPLE
USB Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.8.iPod 4#

EMC CODE	:	ACS-EMC-IP04
M/N	:	A1199
S/N	:	YM706N0EVQ5
Manufacturer	:	APPLE
USB Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.9.iPod 5#

EMC CODE	:	ACS-EMC-IP05
M/N	:	A1199
S/N	:	YM706MCFVQ5
Manufacturer	:	APPLE
Data Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.10.iPod 6#

EMC CODE	:	ACS-EMC-IP06
M/N	:	A1199
S/N	:	YM706MXFVQ5
Manufacturer	:	APPLE
Data Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.11.iPod 7#

EMC CODE	:	ACS-EMC-IP07
M/N	:	A1199
S/N	:	YM706MD0VQ5
Manufacturer	:	APPLE
Data Cable	:	Shielded, Detachabled, 1.0m
FCC ID	:	By DoC
BSMI ID	:	R33057

2.3.12.Headphone 1#

EMC CODE	:	ACS-EMC-EP01
M/N	:	OV880V
Manufacturer	:	OVANN
Data Cable	:	Shielded, Undetachabled, 4.0m

2.3.13.Headphone 2#

EMC CODE	:	ACS-EMC-EP02
M/N	:	OV880V
Manufacturer	:	OVANN
Data Cable	:	Shielded, Undetachabled, 4.0m

2.3.14.Microphone 1#

EMC CODE	:	ACS-EMC-MIC03
M/N	:	SM-300
Manufacturer	:	SONCN
Data Cable	:	Shielded, Undetachabled, 1.7m
FCC ID	:	By DoC

2.3.15.Microphone 2#

EMC CODE	:	ACS-EMC-MIC04
M/N	:	SM-300
Manufacturer	:	SONCN
Data Cable	:	Shielded, Undetachabled, 1.7m
FCC ID	:	By DoC

2.3.16.HDD

EMC CODE	:	ACS-EMC-HDD11(eSATA)
M/N	:	9NL7A6-510
S/N	:	9QM3Q574
Manufacturer	:	Seagate
Data Cable	:	Unshielded,Detachabled, 1.5*2m ,0.5m
FCC ID	:	By DoC
BSMI ID	:	D33027

2.3.17.Power Amplifier

EMC CODE	:	ACS-EMC-AMP01
M/N	:	AV-805
Manufacturer	:	SANGU
Cable	:	Unshielded, Undetachable 1.2m

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	:	Mar. 31, 2009 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Dec. 30, 2009 File on Federal Communication Commission Registration Number: 794232
EMC Lab.	:	Accredited by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2009 Accredited by NVLAP, USA NVLAP Code: 200372-0 Apr.01, 2010

2.5.Test Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 2 Conduction	3.22dB
Uncertainty for Radiation Emission test in 10m chamber (Distance: 10m)	3.46dB (30~200MHz, Polarize: H)
	3.72dB (30~200MHz, Polarize: V)
	3.74dB (200M~1GHz, Polarize: H)
	3.72dB (200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 10m chamber (1GHz-18GHz)	3.12 dB (Distance: 3m Polarize: V)
	3.74 dB (Distance: 3m Polarize: H)
Uncertainty for SVSWR in 10m Chamber	2.42 dB (Distance: 3m Polarize: V)
	2.44 dB (Distance: 3m Polarize: H)
Uncertainty for test site temperature and humidity	0.3℃
	2%

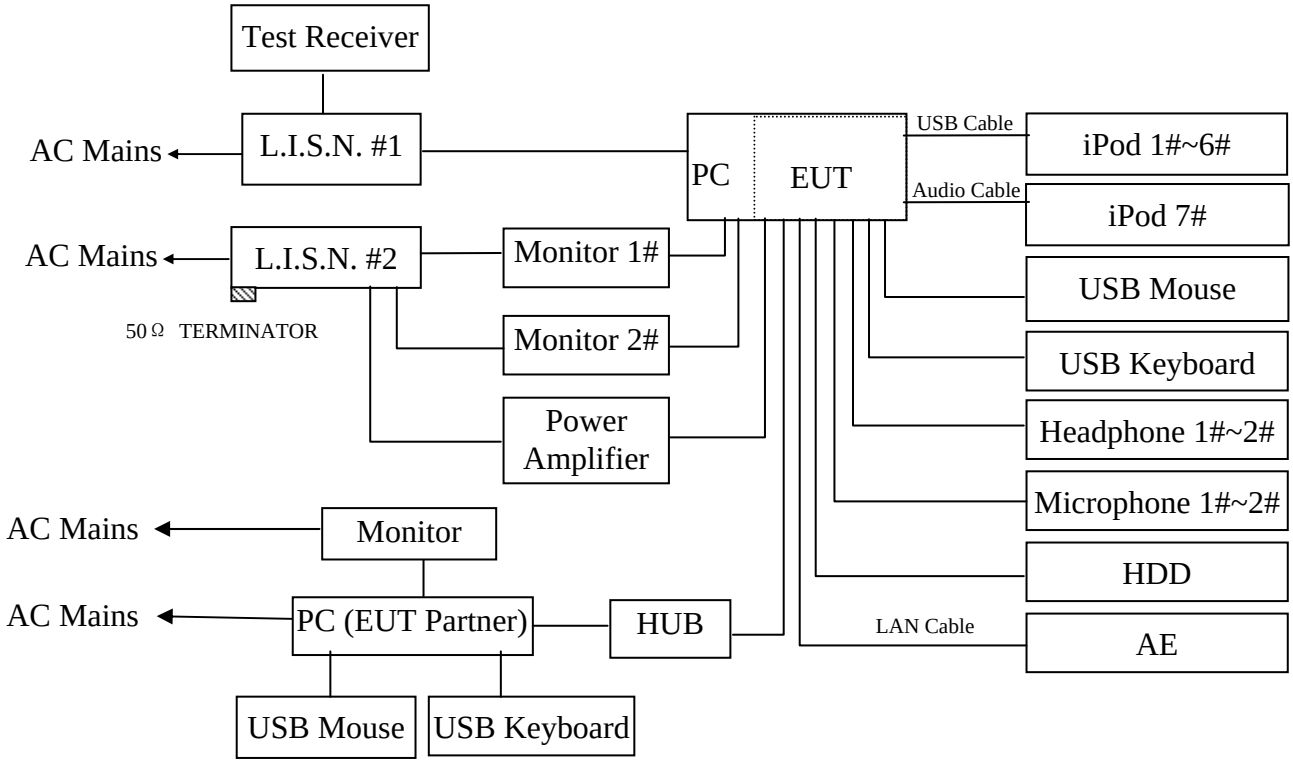
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde & Schwarz	ESCI	100843	Mar.30, 10	1 Year
2	L.I.S.N.#1	Rohde & Schwarz	ENV4200	100041	May.08, 10	1 Year
3	L.I.S.N.#2	Kyoritsu	KNW-407	8-1628-5	May.08, 10	1 Year
4	Terminator	Hubersuhner	50Ω	No. 2	May.08, 10	1 Year
5	RF Cable	Fujikura	3D-2W	LISN Cable 2#	May.08, 10	1 Year
6	Coaxial Switch	Anritsu	MP59B	6200298346	May.08, 10	1 Year
7	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100340	May.08, 10	1 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and Supporting System



(EUT: Mother Board)

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. Mother Board (EUT)

Model Number : Giada MI-H55
Serial Number : N/A

3.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.2

3.5. Operating Condition of EUT

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

3.5.2. Turned on the power of all equipment.

3.5.3. PC run test software "BurnInTest.exe" to exercise all functions of EUT

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#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4-2009 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

The test result are reported on Section 3.7.,

3.7. Power Line Conducted Emission Test Results

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

Note: This device have HDMI, DVI and VGA video output ports, and according exploratory test, when test with HDMI+DVI: 1920*1200@60Hz will have worst emissions, so the final test was performed with this video output mode and also running all other computer's functions at same time.

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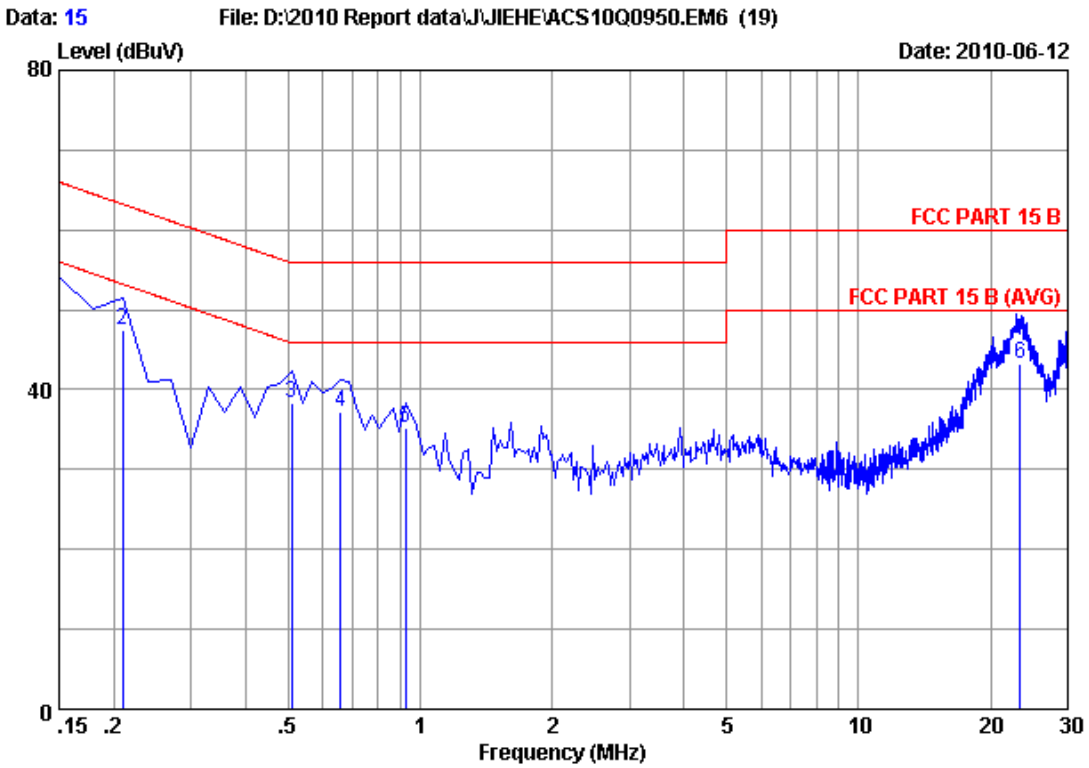

Site no :Audix No.2 Conduction Data No :15
Dis./Ant. :** 2010 ENV4200 LISN phase:LINE
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Leidy/Bai
EUT :Motherboard M/N:Giada MI-H55
Power Rating :AC 120V/60Hz
Test Mode :Running PC All Systems
HDMI+DVI:1920*1200@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	10.11	9.87	29.16	49.14	66.00	16.86	QP
2	0.20970	10.14	9.87	27.37	47.38	63.22	15.84	QP
3	0.50820	10.18	9.88	18.29	38.35	56.00	17.65	QP
4	0.65745	10.12	9.89	17.25	37.26	56.00	18.74	QP
5	0.92610	10.17	9.89	15.18	35.24	56.00	20.76	QP
6	23.373	10.51	10.74	22.02	43.27	60.00	16.73	QP

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

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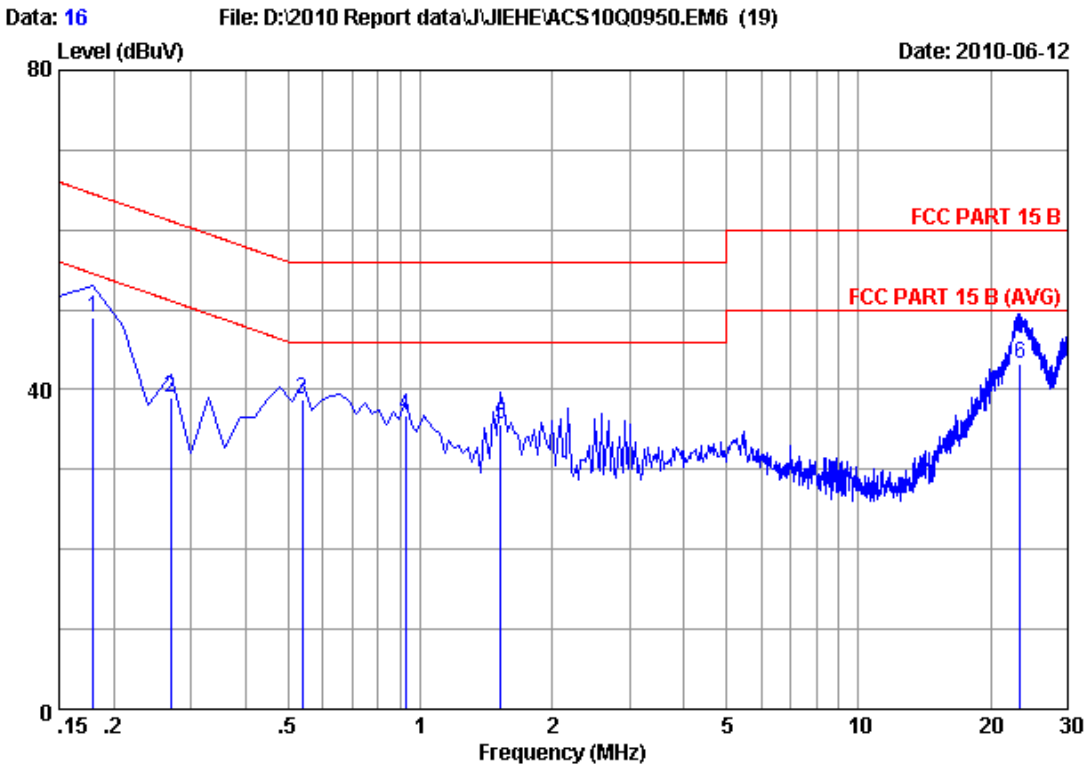


Site no :Audix No.2 Conduction Data No :16
Dis./Ant. :** 2010 ENV4200 LISN phase:NEUTRAL
Limit :FCC PART 15 B
Env./Ins. :29.5*C/55% Engineer :Leidy/Bai
EUT :Motherboard M/N:Giada MI-H55
Power Rating :AC 120V/60Hz
Test Mode :Running PC All Systems
HDMI+DVI:1920*1200@60Hz

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	10.19	9.87	28.93	48.99	64.49	15.50	QP
2	0.26940	10.18	9.87	18.94	38.99	61.14	22.15	QP
3	0.53805	10.18	9.88	18.63	38.69	56.00	17.31	QP
4	0.92610	10.21	9.89	16.65	36.75	56.00	19.25	QP
5	1.523	10.27	9.92	15.40	35.59	56.00	20.41	QP
6	23.373	10.59	10.74	21.82	43.15	60.00	16.85	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
2.If the average limit is met when useing 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

Frequency rang: 30~1000MHz

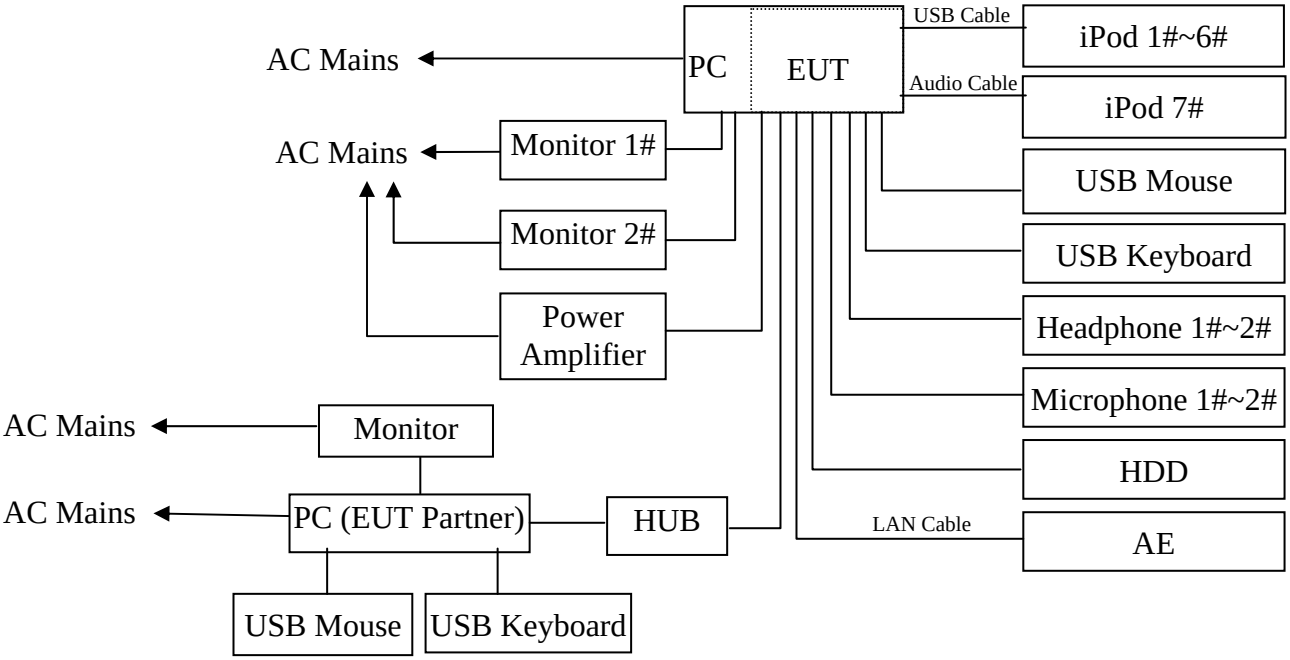
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	10m Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMC Analyzer	Agilent	E7405A	MY42000131	May.08, 10	1 Year
3	EMC Analyzer	Agilent	E7405A	MY45116588	May.08, 10	1 Year
4	Test Receiver	Rohde & Schwarz	ESCI	100842	May.08, 10	1 Year
5	Amplifier	Agilent	8447D	2944A10684	May.08, 10	1Year
6	Amplifier	Agilent	8447D	2944A11140	May.08, 10	1 Year
7	Bilog Antenna	Schaffner	CBL6112D	25238	Mar.27, 10	1 Year
8	Bilog Antenna	Schaffner	CBL6112D	25237	Mar.27, 10	1 Year
9	RF Cable	MIYAZAKI	8D-FB	10m Chamber No.1	May.08, 10	1 Year
10	RF Cable	MIYAZAKI	8D-FB	10m Chamber No.2	May.08, 10	1 Year
11	Coaxial Switch	Anritsu	MP59B	6200766906	May.08, 10	1 Year
12	Coaxial Switch	Anritsu	MP59B	6200766905	May.08, 10	1 Year
13	Coaxial Switch	Anritsu	MP59B	6200313662	May.08, 10	1 Year

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	Nov.19, 09	1.5 Year
3	Horn Antenna	EMCO	3116	00060089	Nov.25, 09	1.5 Year
4	Amplifier	Agilent	8449B	3008A00863	May.08, 10	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 10	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1 Year
7	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	May.08,10	1 Year

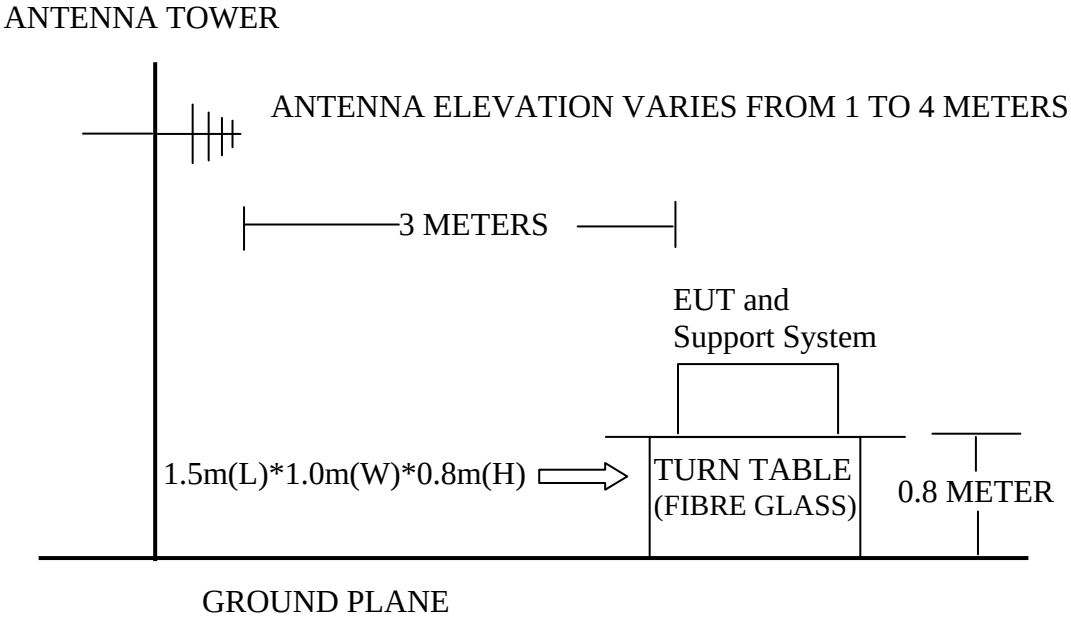
4.2.Block Diagram of Test Setup

4.2.1.Block Diagram of connection between EUT and simulators



(EUT: Mother Board)

4.2.2.Anechoic Chamber Setup Diagram



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
Above 1000	3	74(Peak)54(Average)

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

(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 following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. Mother Board (EUT)

Model Number : Giada MI-H55
Serial Number : N/A

4.5.Operating Condition of EUT

4.5.1. Setup the EUT as shown in Section 4.2..

4.5.2. Turned on the power of all equipment.

4.5.3. PC run test software “BurnInTest.exe” to exercise all functions of EUT

4.6.Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission Test.

According FCC Part15A:15.32 requirements, test was performed with device installed in a typical enclosure, and both with enclosure’s cover removed and installed. Test also performed with enclosure in vertical and horizontal position.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.
The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

4.7. Radiated Emission Test Results

Note: This device have HDMI, DVI and VGA video output ports, and according exploratory test, when test with HDMI+DVI: 1920*1200@60Hz will have worst emissions, so the final test was performed with this video output mode and also running all other computer's functions at same time.

Test Frequency: 30MHz-1000MHz

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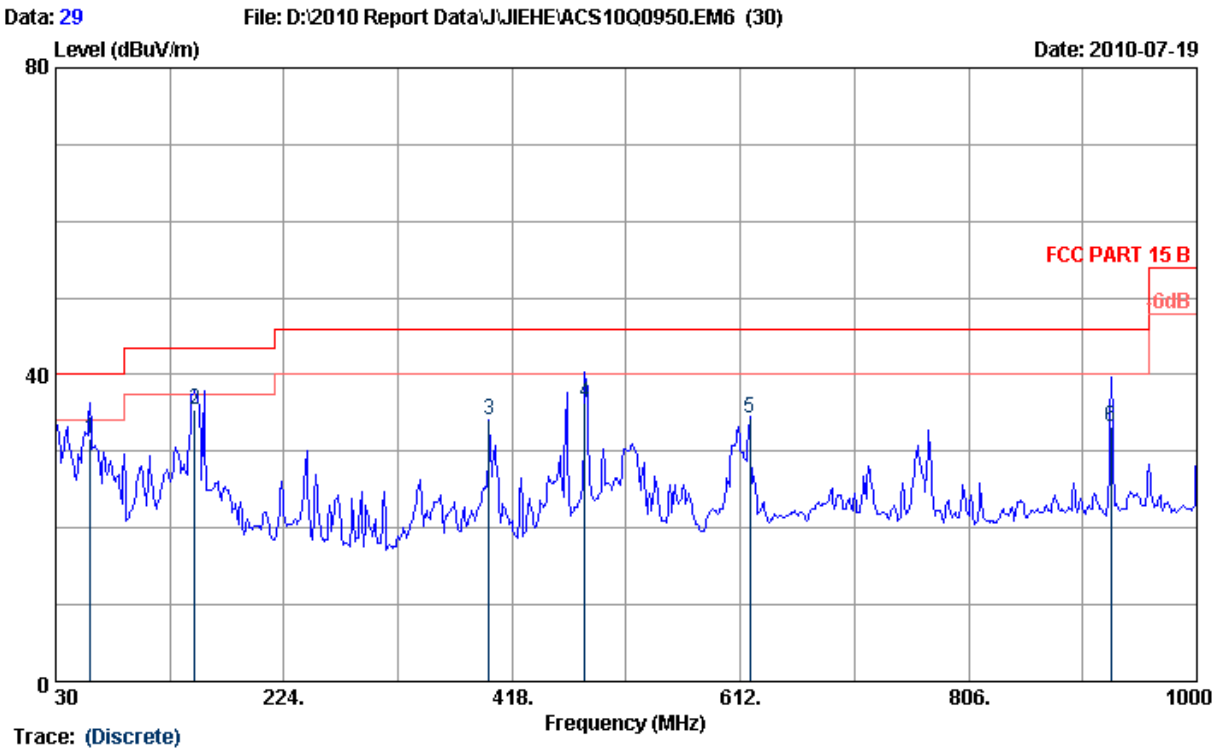

Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 29
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, Horizontal

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	59.100	6.74	1.33	23.51	31.58	40.00	8.42	QP
2	148.340	11.14	1.73	22.65	35.52	43.50	7.98	QP
3	398.600	16.51	2.96	14.64	34.11	46.00	11.89	QP
4	480.080	17.70	3.01	15.57	36.28	46.00	9.72	QP
5	619.760	19.30	3.79	11.21	34.30	46.00	11.70	QP
6	927.250	21.64	4.66	6.92	33.22	46.00	12.78	QP

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

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Postcode:518057

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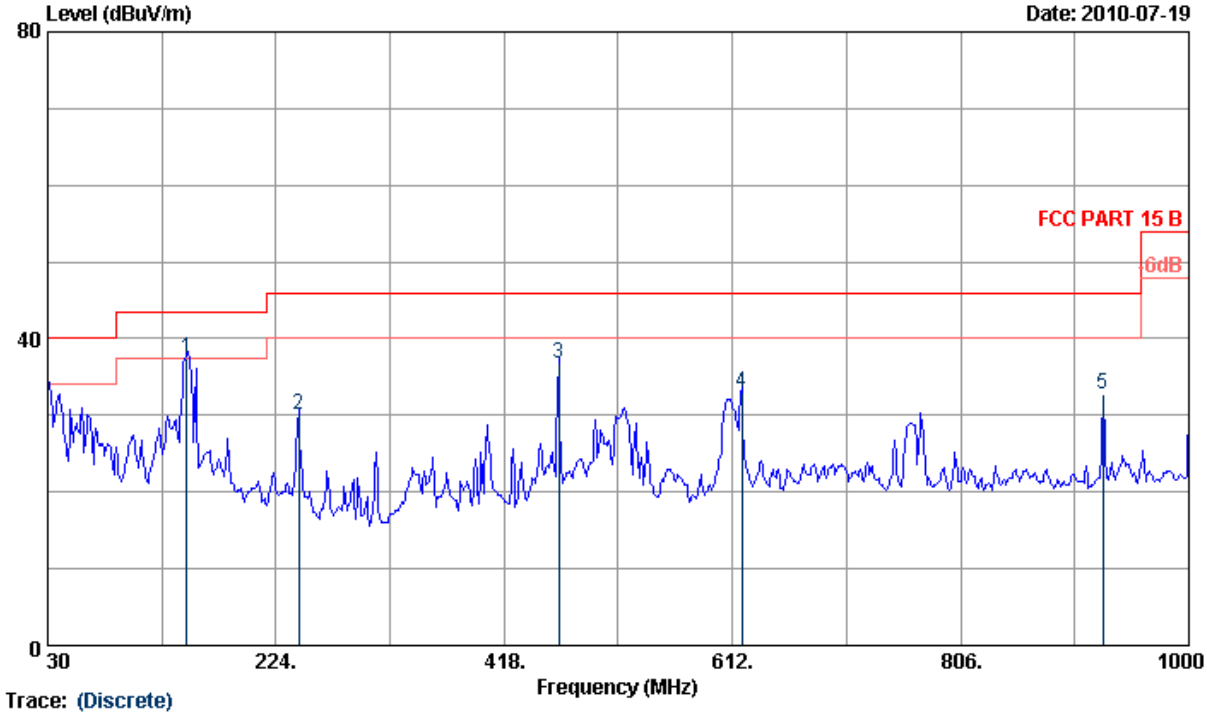

Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 30
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, Horizontal

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	148.340	11.14	1.73	24.58	37.45	43.50	6.05	QP
2	243.400	12.41	2.20	15.55	30.16	46.00	15.84	QP
3	464.560	17.45	3.19	16.13	36.77	46.00	9.23	QP
4	619.760	19.30	3.79	9.97	33.06	46.00	12.94	QP
5	927.250	21.64	4.66	6.57	32.87	46.00	13.13	QP

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

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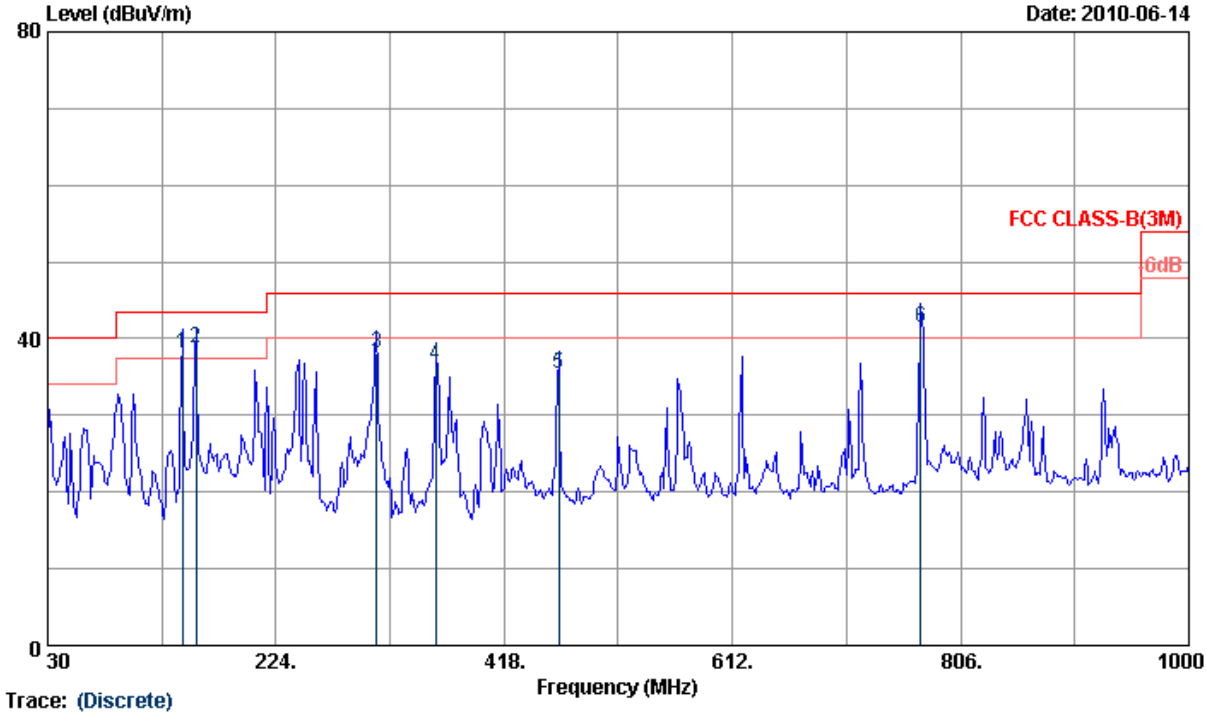
Postcode:518057

Data: 9 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 9
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : HORIZONTAL
Limit : FCC CLASS-B(3M)
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	144.460	11.30	1.85	25.04	38.19	43.50	5.31	QP
2	156.100	10.98	1.80	25.93	38.71	43.50	4.79	QP
3	309.360	14.10	2.43	21.51	38.04	46.00	7.96	QP
4	359.800	15.66	2.83	18.05	36.54	46.00	9.46	QP
5	464.560	17.45	3.19	14.71	35.35	46.00	10.65	QP
6	772.050	20.42	4.39	16.75	41.56	46.00	4.44	QP

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

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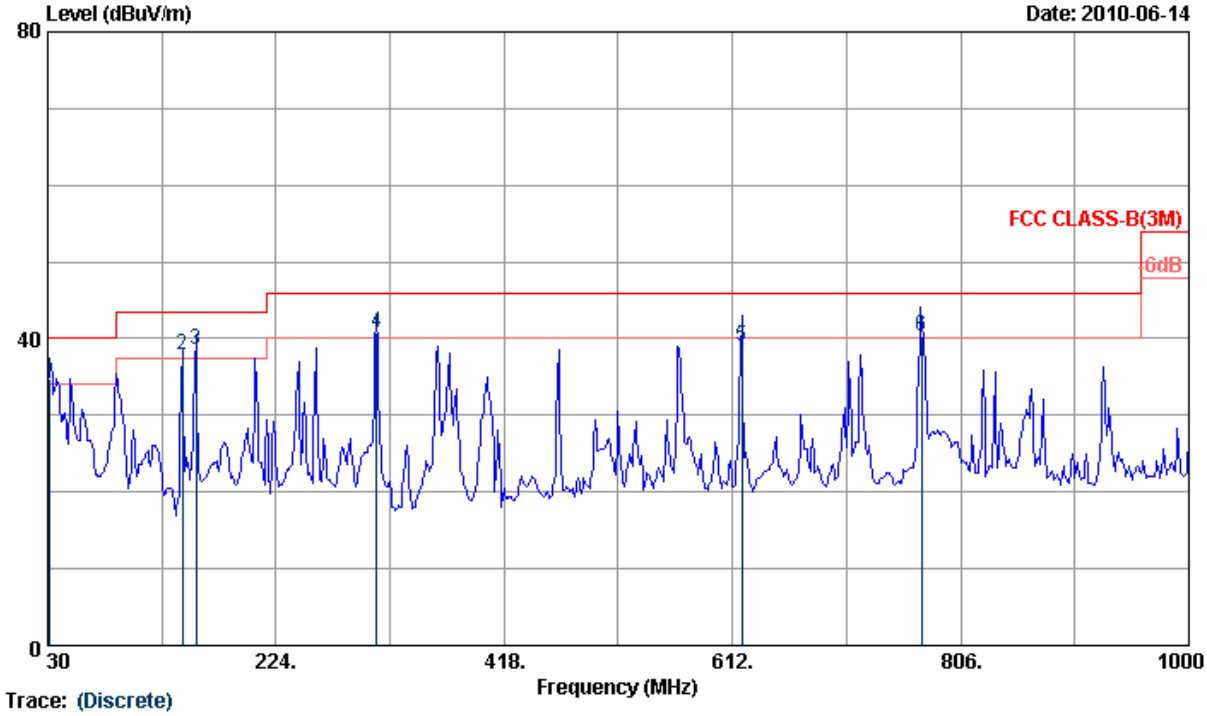
Data: 10 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 10
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : VERTICAL
Limit : FCC CLASS-B(3M)
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	31.940	18.50	1.09	15.21	34.80	40.00	5.20	QP
2	144.460	11.30	1.85	24.72	37.87	43.50	5.63	QP
3	156.100	10.98	1.80	25.74	38.52	43.50	4.98	QP
4	309.360	14.10	2.43	24.29	40.82	46.00	5.18	QP
5	619.760	19.30	3.79	15.89	38.98	46.00	7.02	QP
6	772.450	20.43	4.39	15.50	40.32	46.00	5.68	QP

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

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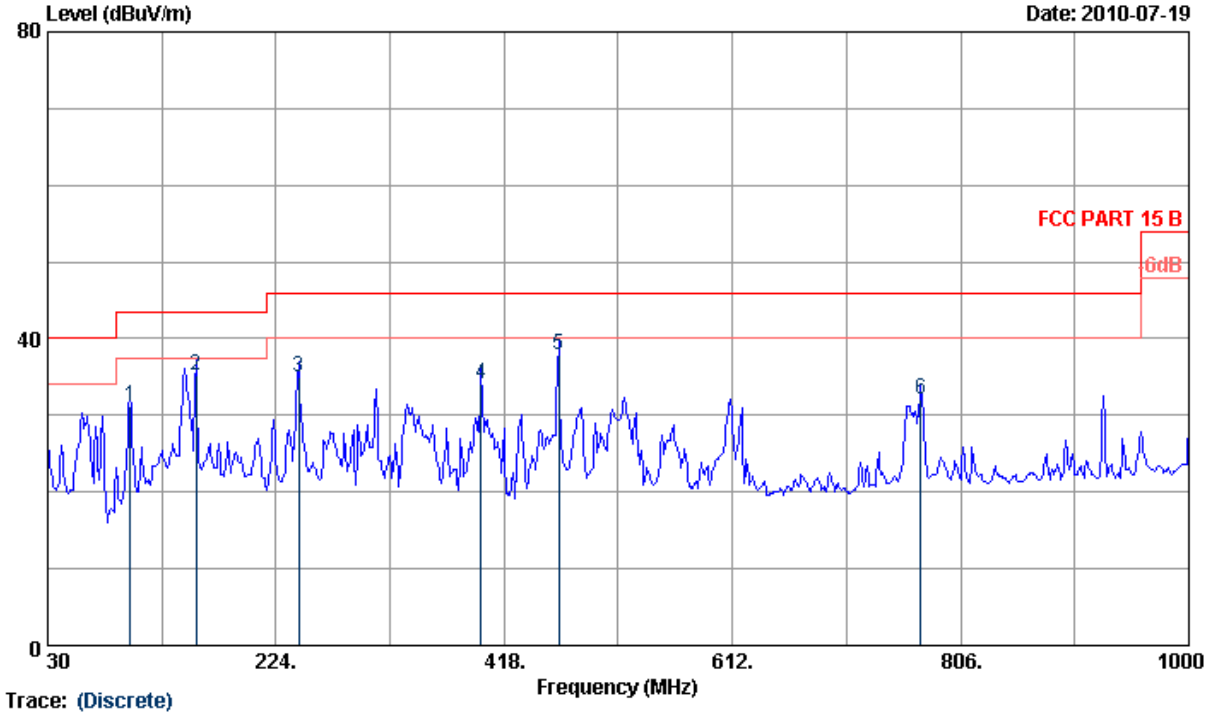
Data: 27 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 27
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover,HORIZONTAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	99.840	11.60	1.52	18.11	31.23	43.50	12.27	QP
2	156.100	10.98	1.80	22.42	35.20	43.50	8.30	QP
3	243.400	12.41	2.20	20.41	35.02	46.00	10.98	QP
4	398.600	16.51	2.96	14.60	34.07	46.00	11.93	QP
5	464.560	17.45	3.19	17.20	37.84	46.00	8.16	QP
6	772.050	20.42	4.39	7.24	32.05	46.00	13.95	QP

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

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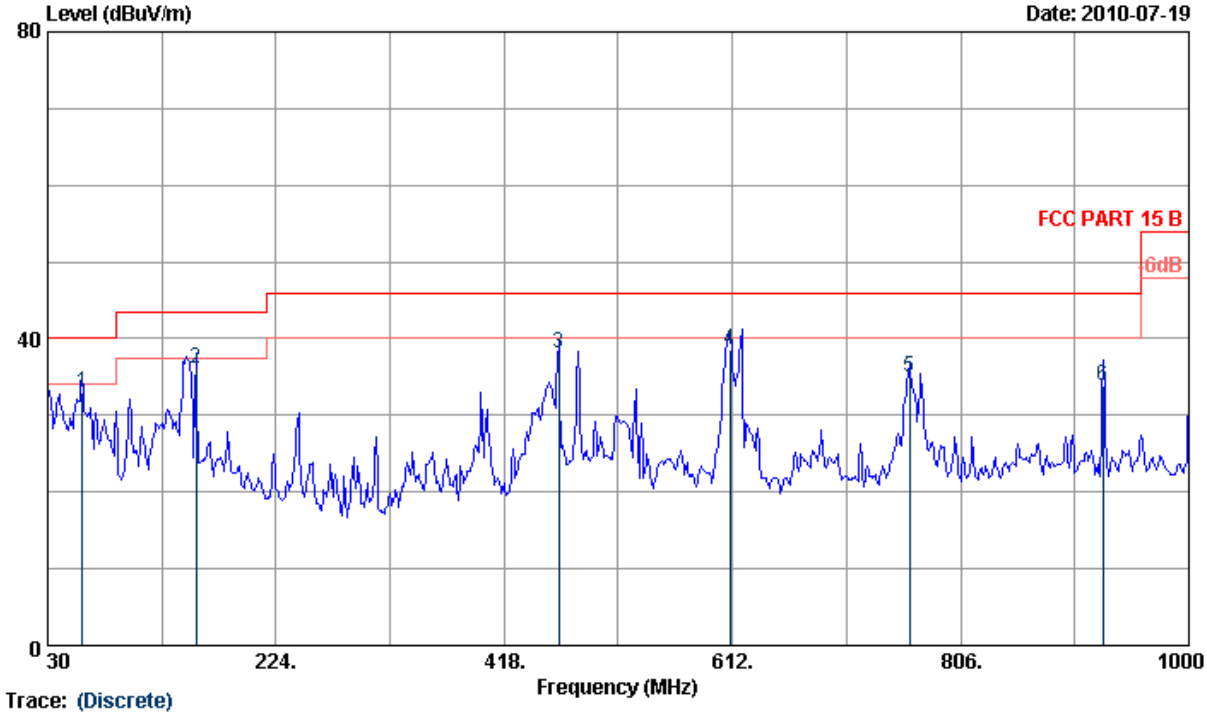
Data: 28 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 28
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover,HORIZONTAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	59.100	6.74	1.33	24.80	32.87	40.00	7.13	QP
2	156.100	10.98	1.80	23.36	36.14	43.50	7.36	QP
3	464.560	17.45	3.19	17.49	38.13	46.00	7.87	QP
4	610.060	19.10	3.45	16.01	38.56	46.00	7.44	QP
5	762.350	20.40	4.04	10.51	34.95	46.00	11.05	QP
6	927.250	21.64	4.66	7.61	33.91	46.00	12.09	QP

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

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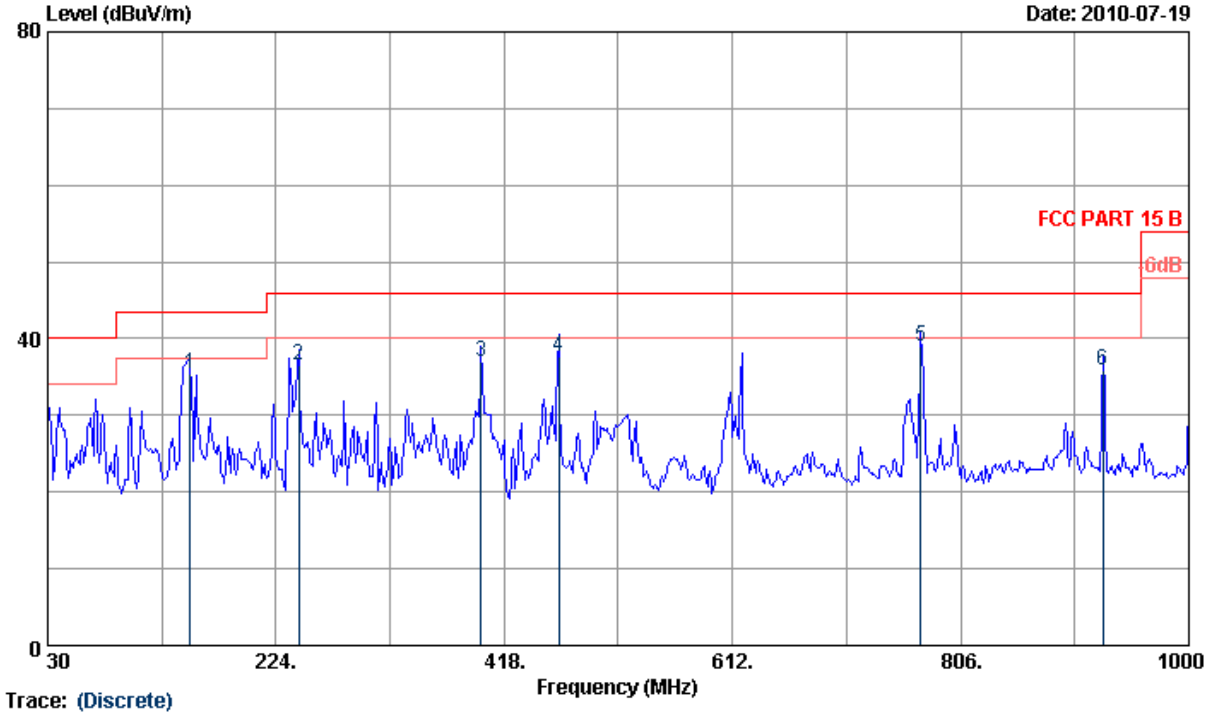
Data: 26 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 26
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	151.250	11.08	1.73	22.61	35.42	43.50	8.08	QP
2	243.400	12.41	2.20	21.90	36.51	46.00	9.49	QP
3	398.600	16.51	2.96	17.59	37.06	46.00	8.94	QP
4	464.560	17.45	3.19	17.00	37.64	46.00	8.36	QP
5	772.050	20.42	4.39	14.27	39.08	46.00	6.92	QP
6	927.250	21.64	4.66	9.56	35.86	46.00	10.14	QP

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

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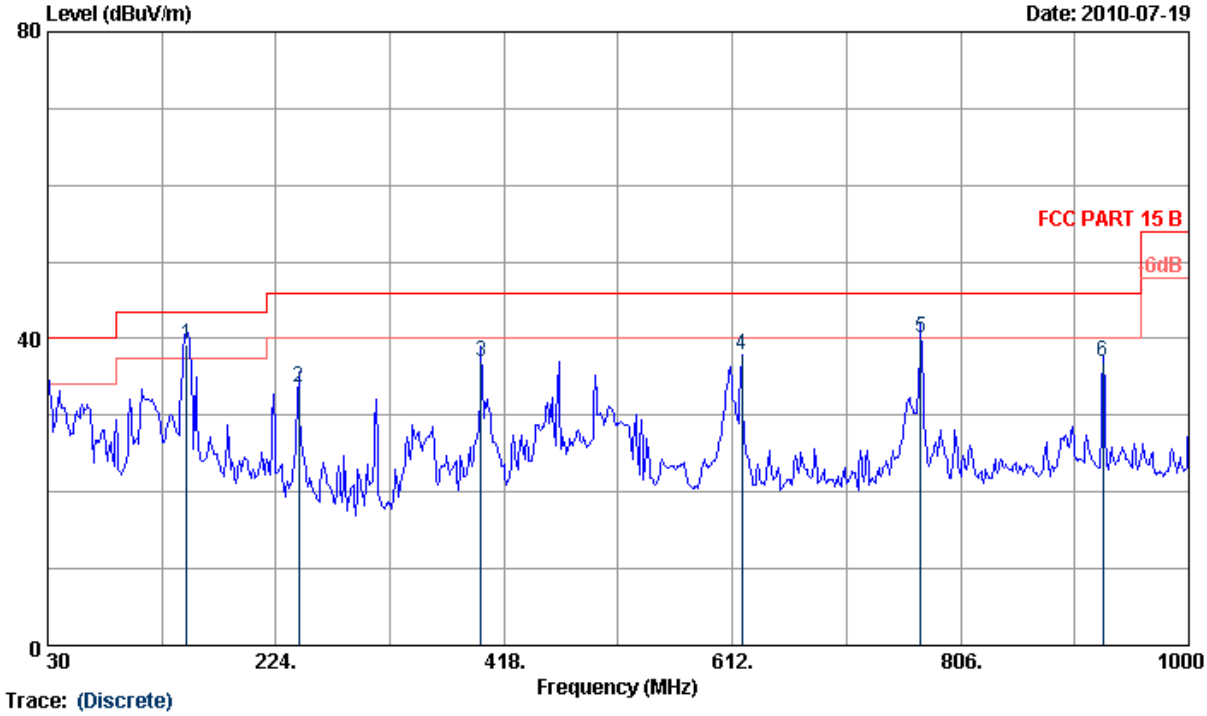
Data: 25 File: D:\2010 Report Data\J\JIEHE\ACS10Q0950.EM6 (30)



Trace: (Discrete)

Site no. : 10m Chamber Test Site Data No. : 25
Dis. / Ant. : 3m 10 CBL6112D 25238 3M Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : 24*C/56% Engineer : Chris
EUT : Motherboard M/N:Giada MI-H55
Power Rating : AC 120V/60Hz
Test Mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level dBuV/m)	Limits (dBuV/m)	Magin (dB)	Remark
1	148.340	11.14	1.73	26.25	39.12	43.50	4.38	QP
2	243.400	12.41	2.20	19.11	33.72	46.00	12.28	QP
3	398.600	16.51	2.96	17.59	37.06	46.00	8.94	QP
4	619.760	19.30	3.79	14.82	37.91	46.00	8.09	QP
5	772.050	20.42	4.39	15.20	40.01	46.00	5.99	QP
6	927.250	21.64	4.66	10.65	36.95	46.00	9.05	QP

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

Test Frequency: Above 1GHz

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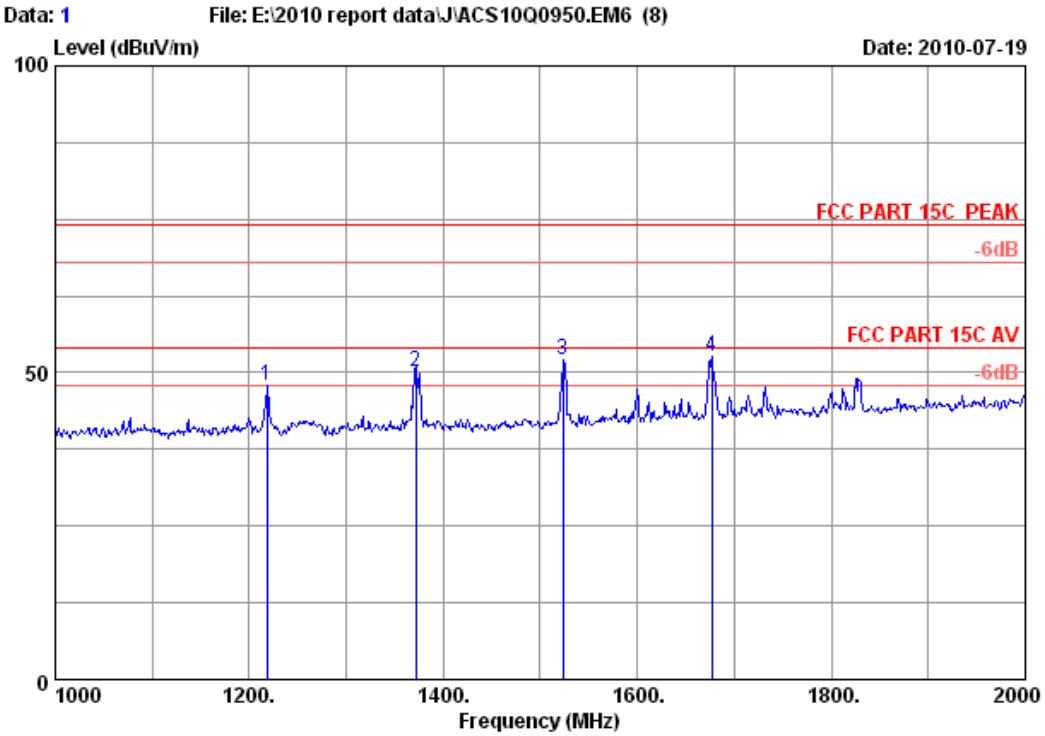
Postcode:518057



Site no. : 10m Chamber Data no. : 1
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, Horizontal

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1218.000	25.85	5.16	37.50	54.29	47.80	74.00	26.20	Peak
2	1372.000	26.16	5.46	37.22	55.81	50.21	74.00	23.79	Peak
3	1523.000	26.59	5.76	36.98	56.81	52.18	74.00	21.82	Peak
4	1677.000	27.43	6.03	36.89	55.98	52.55	74.00	21.45	Peak

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

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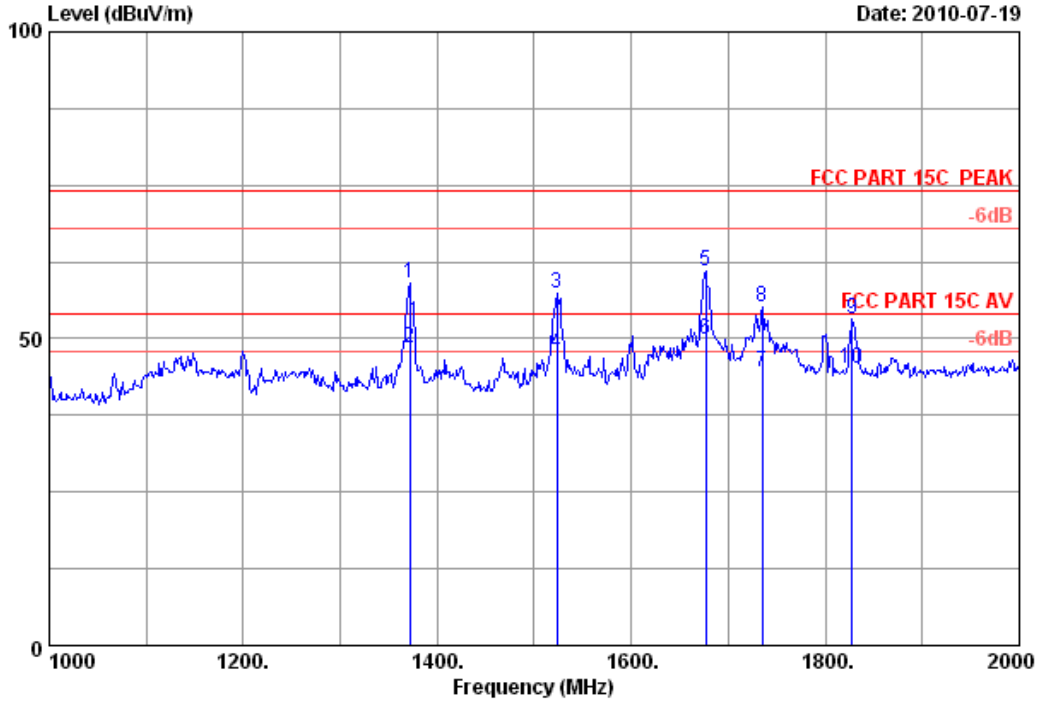
Data: 2 File: E:\2010 report data\J\ACS10Q0950.EM6 (8)



Site no. : 10m Chamber Data no. : 2
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, Horizontal

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1372.000	26.16	5.46	37.22	64.58	58.98	74.00	15.02	Peak
2	1372.000	26.16	5.46	37.22	54.11	48.51	54.00	5.49	Average
3	1523.000	26.59	5.76	36.98	61.92	57.29	74.00	16.71	Peak
4	1523.000	26.59	5.76	36.98	52.31	47.68	54.00	6.32	Average
5	1677.000	27.43	6.03	36.89	64.55	61.12	74.00	12.88	Peak
6	1677.000	27.43	6.03	36.89	53.28	49.85	54.00	4.15	Average
7	1735.000	27.71	6.14	36.86	47.56	44.55	54.00	9.45	Average
8	1735.000	27.71	6.14	36.86	58.16	55.15	74.00	18.85	Peak
9	1828.000	28.27	6.33	36.81	55.31	53.10	74.00	20.90	Peak
10	1828.000	28.27	6.33	36.81	47.21	45.00	54.00	9.00	Average

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

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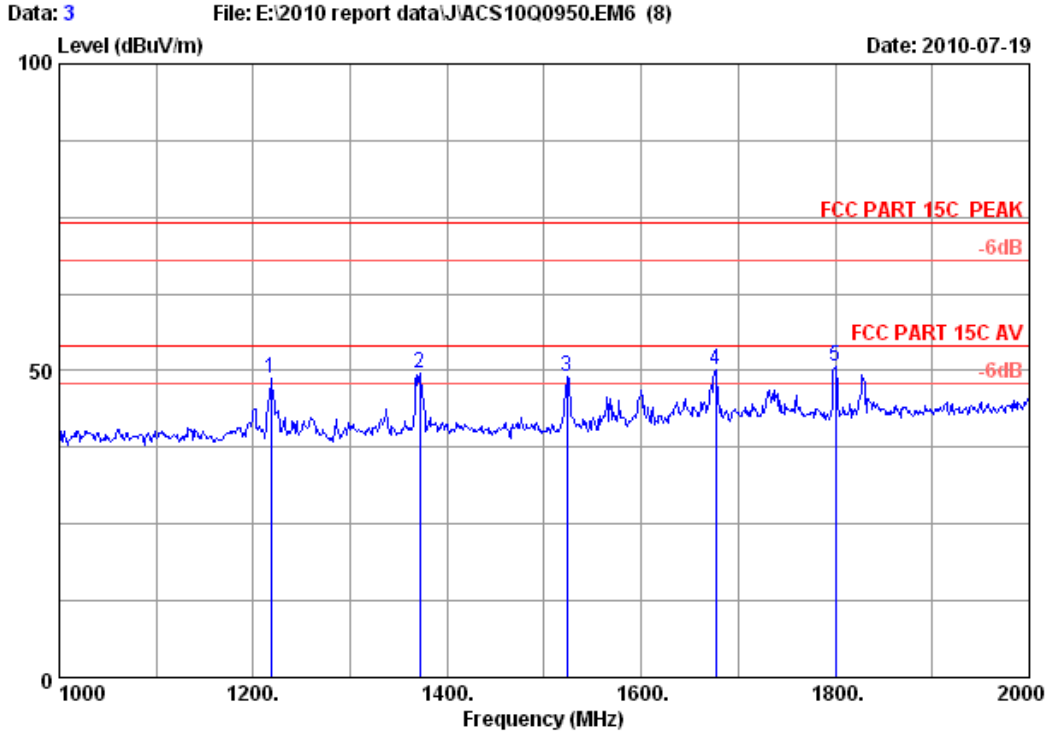

Site no. : 10m Chamber Data no. : 3
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1218.000	25.85	5.16	37.50	55.32	48.83	74.00	25.17	Peak
2	1372.000	26.16	5.46	37.22	55.30	49.70	74.00	24.30	Peak
3	1523.000	26.59	5.76	36.98	53.77	49.14	74.00	24.86	Peak
4	1677.000	27.43	6.03	36.89	53.48	50.05	74.00	23.95	Peak
5	1800.000	28.08	6.29	36.83	53.05	50.59	74.00	23.41	Peak

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

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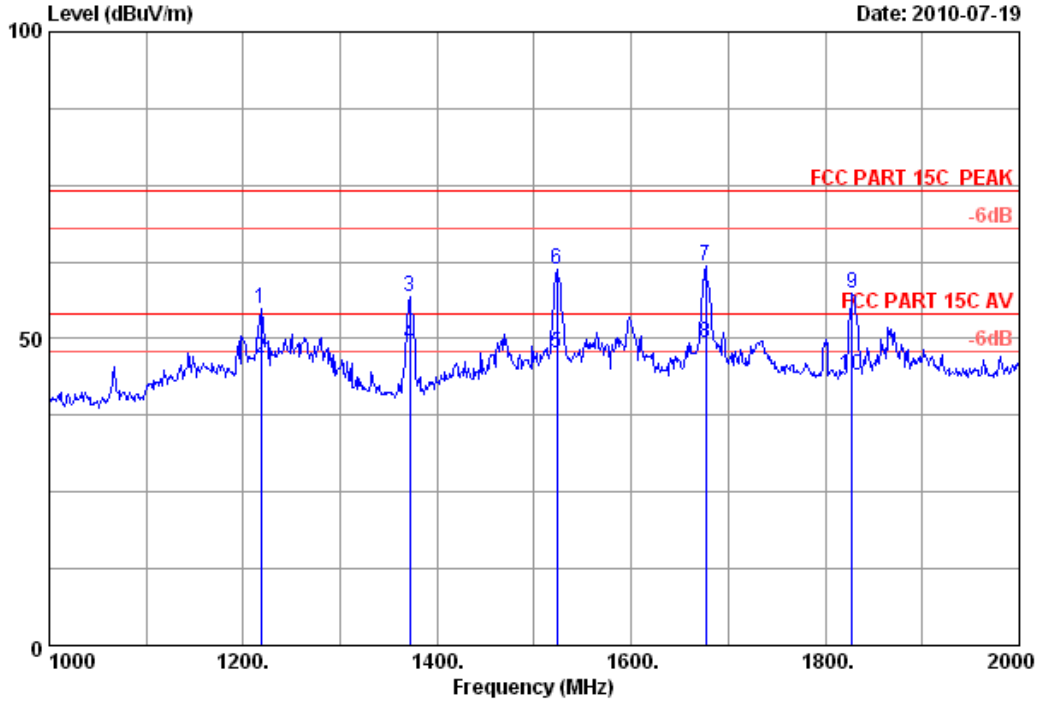
Data: 4 File: E:\2010 report data\J\ACS10Q0950.EM6 (8)



Site no. : 10m Chamber Data no. : 4
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : With Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1218.000	25.85	5.16	37.50	61.39	54.90	74.00	19.10	Peak
2	1218.000	25.85	5.16	37.50	53.23	46.74	74.00	27.26	Peak
3	1372.000	26.16	5.46	37.22	62.41	56.81	74.00	17.19	Peak
4	1372.000	26.16	5.46	37.22	54.68	49.08	54.00	4.92	Average
5	1523.000	26.59	5.76	36.98	52.36	47.73	54.00	6.27	Average
6	1523.000	26.59	5.76	36.98	65.86	61.23	74.00	12.77	Peak
7	1677.000	27.43	6.03	36.89	65.15	61.72	74.00	12.28	Peak
8	1677.000	27.43	6.03	36.89	52.77	49.34	54.00	4.66	Average
9	1828.000	28.27	6.33	36.81	59.66	57.45	74.00	16.55	Peak
10	1828.000	28.27	6.33	36.81	46.36	44.15	54.00	9.85	Average

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

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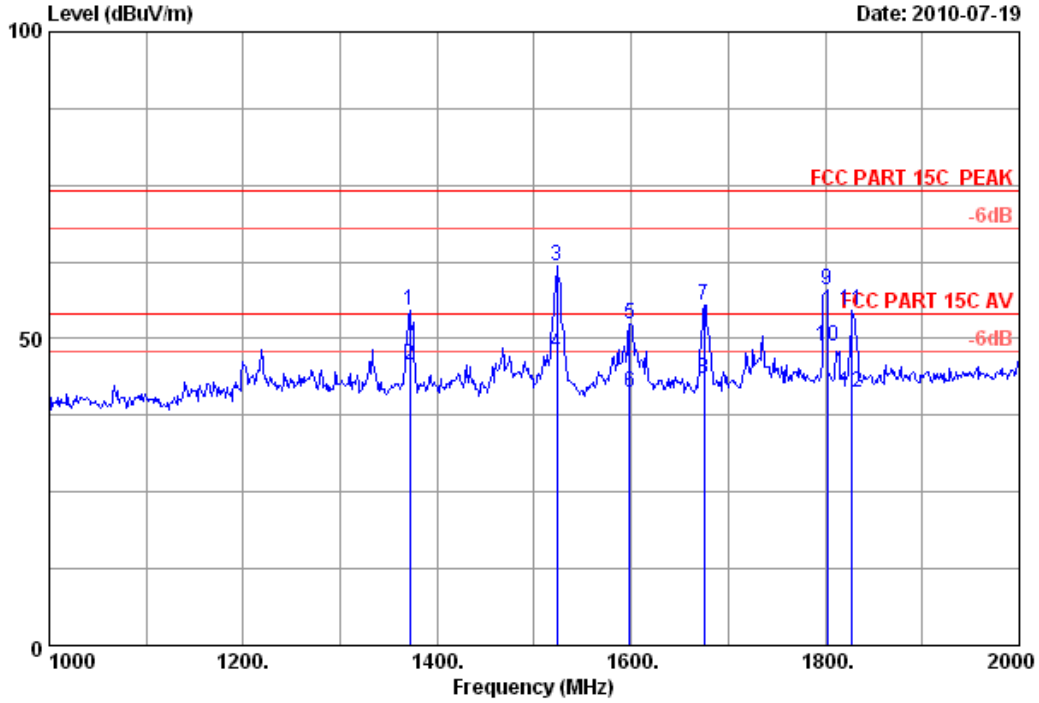

Site no. : 10m Chamber Data no. : 5
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1372.000	26.16	5.46	37.22	60.23	54.63	74.00	19.37	Peak
2	1372.000	26.16	5.46	37.22	51.22	45.62	54.00	8.38	Average
3	1523.000	26.59	5.76	36.98	66.52	61.89	74.00	12.11	Peak
4	1523.000	26.59	5.76	36.98	52.36	47.73	54.00	6.27	Average
5	1598.000	26.96	5.88	36.95	56.46	52.35	74.00	21.65	Peak
6	1598.000	26.96	5.88	36.95	45.44	41.33	54.00	12.67	Average
7	1675.000	27.43	6.03	36.91	58.99	55.54	74.00	18.46	Peak
8	1675.000	27.43	6.03	36.91	46.89	43.44	54.00	10.56	Average
9	1802.000	28.08	6.29	36.83	60.31	57.85	74.00	16.15	Peak
10	1802.000	28.08	6.29	36.83	51.24	48.78	54.00	5.22	Average
11	1828.000	28.27	6.33	36.81	56.68	54.47	74.00	19.53	Peak
12	1828.000	28.27	6.33	36.81	43.51	41.30	54.00	12.70	Average

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

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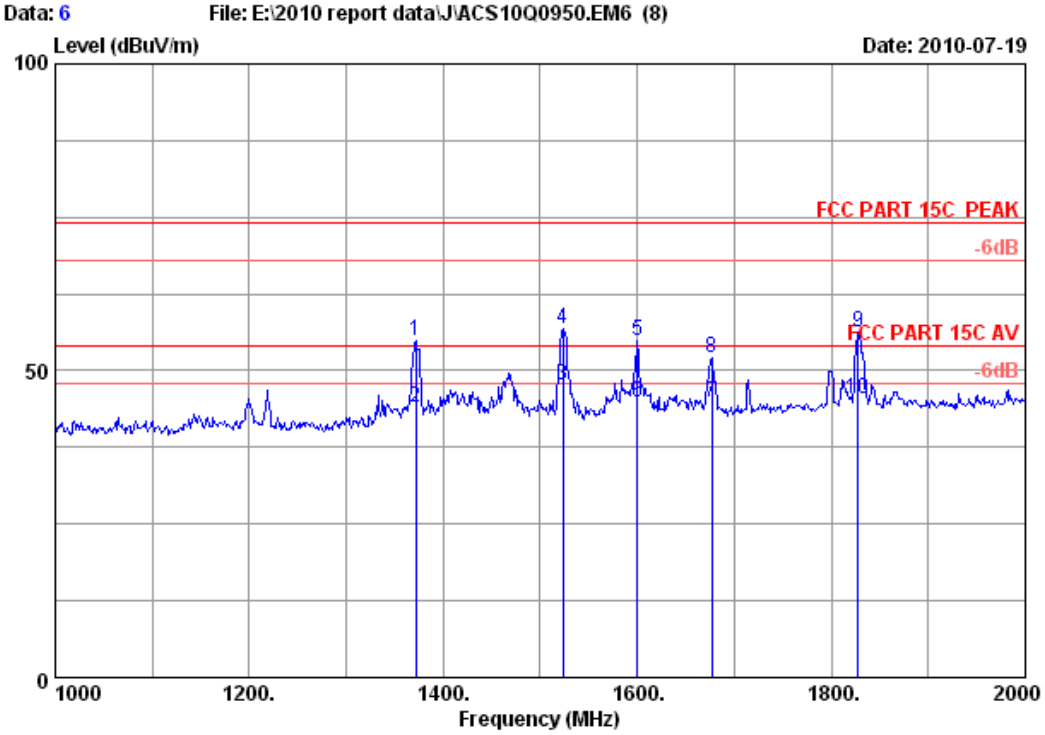

Site no. : 10m Chamber Data no. : 6
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover, VERTICAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1372.000	26.16	5.46	37.22	60.58	54.98	74.00	19.02	Peak
2	1372.000	26.16	5.46	37.22	49.67	44.07	54.00	9.93	Average
3	1523.000	26.59	5.76	36.98	52.23	47.60	54.00	6.40	Average
4	1523.000	26.59	5.76	36.98	61.39	56.76	74.00	17.24	Peak
5	1600.000	26.96	5.91	36.94	59.04	54.97	74.00	19.03	Peak
6	1600.000	26.96	5.91	36.94	48.97	44.90	54.00	9.10	Average
7	1677.000	27.43	6.03	36.89	48.22	44.79	54.00	9.21	Average
8	1677.000	27.43	6.03	36.89	55.66	52.23	74.00	21.77	Peak
9	1828.000	28.27	6.33	36.81	58.50	56.29	74.00	17.71	Peak
10	1828.000	28.27	6.33	36.81	47.52	45.31	54.00	8.69	Average

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

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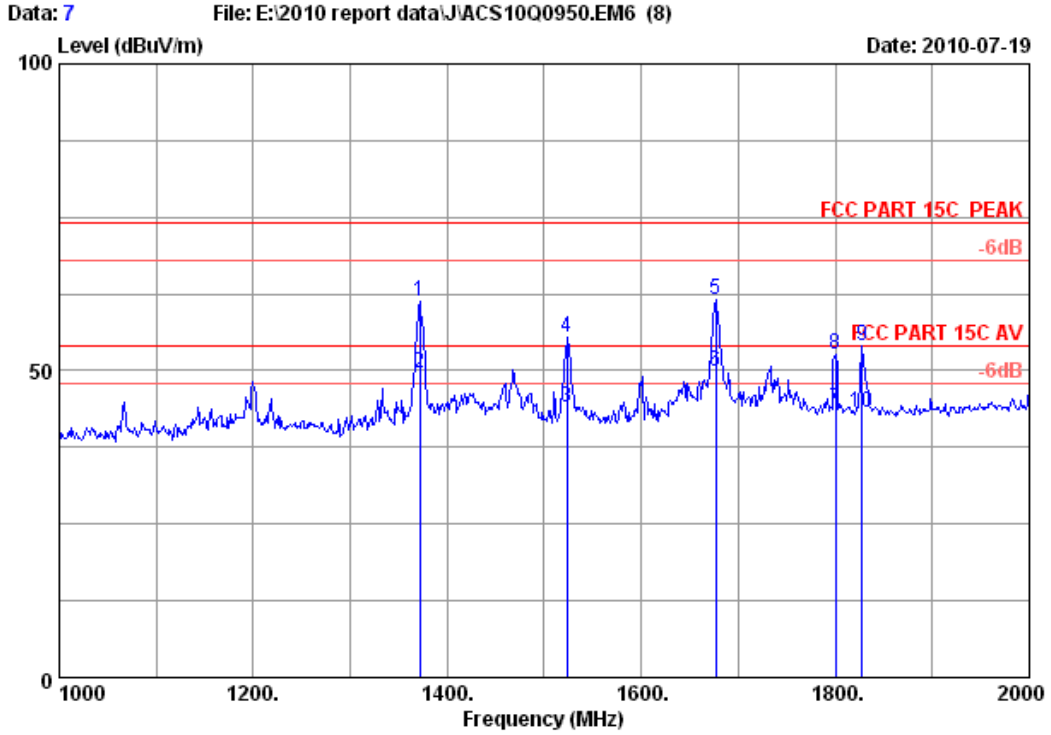

Site no. : 10m Chamber Data no. : 7
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover,HORIZONTAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1372.000	26.16	5.46	37.22	66.95	61.35	74.00	12.65	Peak
2	1372.000	26.16	5.46	37.22	55.23	49.63	54.00	4.37	Average
3	1523.000	26.59	5.76	36.98	48.56	43.93	54.00	10.07	Average
4	1523.000	26.59	5.76	36.98	59.95	55.32	74.00	18.68	Peak
5	1677.000	27.43	6.03	36.89	64.93	61.50	74.00	12.50	Peak
6	1677.000	27.43	6.03	36.89	53.20	49.77	54.00	4.23	Average
7	1800.000	28.08	6.29	36.83	46.33	43.87	54.00	10.13	Average
8	1800.000	28.08	6.29	36.83	55.12	52.66	74.00	21.34	Peak
9	1828.000	28.27	6.33	36.81	56.11	53.90	74.00	20.10	Peak
10	1828.000	28.27	6.33	36.81	45.32	43.11	54.00	10.89	Average

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

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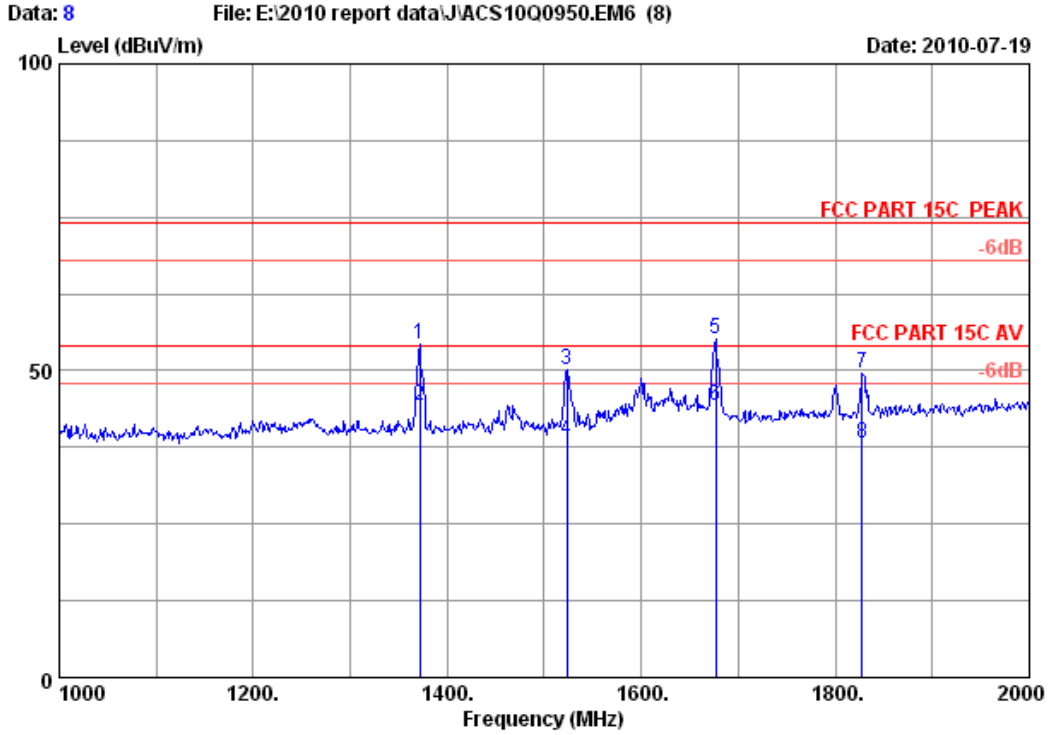

Site no. : 10m Chamber Data no. : 8
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : Motherboard M/N:Giada MI-H55
Power : AC 12V/60Hz
Test mode : Running PC All Systems
Memo : HDMI+ DVI:1920*1200@60Hz
Memo : Without Cover,HORIZONTAL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1372.000	26.16	5.46	37.22	60.05	54.45	74.00	19.55	Peak
2	1372.000	26.16	5.46	37.22	49.85	44.25	54.00	9.75	Average
3	1523.000	26.59	5.76	36.98	54.83	50.20	74.00	23.80	Peak
4	1523.000	26.59	5.76	36.98	43.25	38.62	54.00	15.38	Average
5	1677.000	27.43	6.03	36.89	58.52	55.09	74.00	18.91	Peak
6	1677.000	27.43	6.03	36.89	47.68	44.25	54.00	9.75	Average
7	1828.000	28.27	6.33	36.81	51.87	49.66	74.00	24.34	Peak
8	1828.000	28.27	6.33	36.81	40.32	38.11	54.00	15.89	Average

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

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]