

Technical Compliance Statement

Test Report

For the following information

Ref. File No.: C1M1605224

Product : Multifunction Digital Product
(Copier/Printer/Scanner/Fax)

FCC ID : BBP-MFSP325SFNW1

Model Number : (1)SP 325SFNW (2)SP 325SNw
(3)SP 320SFN (4)SP 320SN

Brand Name : RICOH

Applicant : Ricoh Company Ltd.

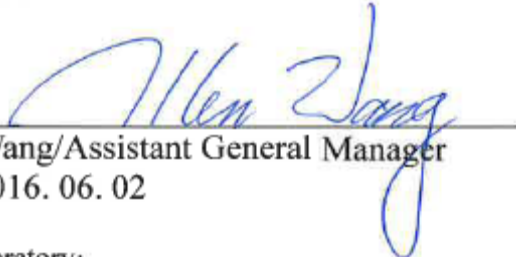
Manufacturer : RICOH Co., Ltd.

Standards : 47 CFR FCC Part 15 Subpart B:2015
(Class B Limit)

We hereby certify that the above product has been tested by us and complied with the FCC official limits. The test was performed according to the procedures mentioned in ANSI C63.4-2014. The test data and results are issued on the test report no.

EM-F160333.

Signature


Allen Wang/Assistant General Manager
Date: 2016. 06. 02

Test Laboratory:
AUDIX Technology Corporation, EMC Department
NVLAP Lab Code: 200077-0
FCC OET Designation: TW1004 & TW1090
Web Site: www.audixtech.com



NVLAP Lab Code 200077-0

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

TEST REPORT
for
Ricoh Company Ltd.
Multifunction Digital Product (Copier/Printer/Scanner/Fax)
Model No.: (1)SP 325SFN_w (2)SP 325SN_w (3)SP 320SFN (4)SP 320SN
Brand: RICOH
FCC ID: BBP-MFSP325SFNW1

Prepared for : Ricoh Company Ltd.
810 Shimoimaizumi, Ebina City,
Kanagawa-Pref., 243-0460 Japan

Prepared by : AUDIX Technology Corporation
EMC Department
No. 53-11, Dingfu, Linkou Dist.,
New Taipei City 244, Taiwan.

Tel : (02) 2609-9301, 2609-2133
Fax : (02) 2609-9303

File Number : C1M1605224
(ACS Ref. No.: ACS16Q0528)
Report Number : EM-F160333
Date of Test : 2016. 05. 23 ~ 06. 02
Date of Report : 2016. 06. 02

TABLE OF CONTENTS

Description	Page
TEST REPORT	3
1. DESCRIPTION OF VERSION	4
2. SUMMARY OF STANDARDS AND RESULTS	5
2.1. Description of Standards and Results	5
3. GENERAL INFORMATION	6
3.1. Description of Device (EUT)	6
3.2. Tested Supporting System Details	9
3.3. Description of Test Facility	10
3.4. Measurement Uncertainty	10
4. POWERLINE CONDUCTED EMISSION MEASUREMENT	11
4.1. Test Equipment	11
4.2. Block Diagram of Test Setup	11
4.3. Powerline Conducted Emission Limit	12
4.4. Operating Condition of EUT	13
4.5. Test Procedure	14
4.6. Powerline Conducted Emission Measurement Results	14
5. RADIATED EMISSION MEASUREMENT	29
5.1. Test Equipment	29
5.2. Block Diagram of Test Setup	29
5.3. Radiation Emission Limit	31
5.4. Operating Condition of EUT	31
5.5. Test Procedure	32
5.6. Radiated Emission Measurement Results	33
6. DEVIATION TO TEST SPECIFICATIONS	63
7. PHOTOGRAPHS	64
7.1. Photos of Conducted Emission Measurement	64
7.2. Photos of Radiated Emission Measurement at Open Area Test Site (30-1000MHz)	65
7.3. Photos of Radiated Emission Measurement at Semi Anechoic Chamber (Above 1GHz)	66
7.4. Photos of Partner System	67

TEST REPORT

Applicant : Ricoh Company Ltd.
 Manufacturer : RICOH Co., Ltd.
 EUT Description : Multifunction Digital Product (Copier/Printer/Scanner/Fax)
 FCC ID : BBP-MFSP325SFNW1
 (A) Model No. : (1)SP 325SFNW (2)SP 325SNW
 (3)SP 320SFN (4)SP 320SN
 (B) Serial No. : JM289Q17067
 (C) Brand : RICOH
 (D) Power Supply : AC 120V, 60Hz
 (E) Test Voltage : AC 120V, 60Hz

Rules of Compliance and Measurement Standards:

47 CFR FCC Part 15 Subpart B:2015

ANSI C63.4:2014

The device described above was tested by AUDIX Technology Corporation, to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart B with the provisions of sections 15.107 and 15.109 Class B limits both conducted and radiated emissions.

The measurement results are contained in this test report and AUDIX Technology Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only and which shall not be reproduced in part without written approval of AUDIX Technology Corporation.

Date of Test : 2016. 05. 23 ~ 06. 02 Date of Report : 2016. 06. 02

Producer : 
 (Cherry Wang/Manager)

Signatory : 
 (Allen Wang/Assistant General Manager)

1. DESCRIPTION OF VERSION

Edition No.	Date of Revision	Revision Summary	Report Number
0	2016. 06. 02	Original Report.	EM-F160333

2. SUMMARY OF STANDARDS AND RESULTS

2.1. Description of Standards and Results

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

EMISSION			
Description of Test Item	Standard	Limits	Results
Powerline Conducted Emission Measurement	47 CFR FCC Part 15 Subpart B:2015	Class B	PASS
Radiated Emission Measurement	47 CFR FCC Part 15 Subpart B:2015	Class B	PASS

3. GENERAL INFORMATION

3.1. Description of Device (EUT)

Description : Multifunction Digital Product
(Copier/Printer/Scanner/Fax)

FCC ID : BBP-MFSP325SFNW1

Model Number : (1)SP 325SFNW (2)SP 325SNw (3)SP 320SFN (4)SP 320SN
The differences between models are listed as follows:

型號	Photocopy/Printer Speed				Function			
	CPM or PPM	Printer	Scanner	WiFi	ADF	FAX	NFC	Smart Operation Panel
SP 325SFNW	28	◎	◎	◎	◎	◎	◎	◎
SP 325SNw	28	◎	◎	◎	◎	-	◎	◎
SP 320SFN	26	◎	◎	-	◎	◎	◎	◎
SP 320SN	26	◎	◎	-	-	-	◎	◎

The SP 325SFNW was tested in this report.

Serial Number : JM289Q17067

Brand : RICOH

Applicant : Ricoh Company Ltd.
810 Shimoimaizumi, Ebina City,
Kanagawa-Pref., 243-0460 Japan

Manufacturer : RICOH Co., Ltd.
3-6, Naka-magome 1-Chome Ohta-ku,
Tokyo 143-8555 Japan

Max. Working Frequency : 533MHz

LAN Module : CastleNet, RTL8188CTV,
FCC ID: RK9-RTL8188CTV

USB Cable : Shielded, Detachable, 2.0m

Telephone Line : Unshielded, Detachable, 2.1m

AC Power Cord : Unshielded, Detachable, 1.5m (3C)

Date of Receipt of Sample : 2016. 05.19

Date of Test : 2016. 05. 23 ~ 06. 02

Remark :

The EUT is a Multifunction Digital Product (Copier/Printer/Scanner/Fax) which input/output ports provided as follows:

Back View:

- (1) One AC In Port
- (2) One USB-A Port
- (3) One USB-B Port
- (4) One Ethernet Port (10BASE-T/100BASE)
- (5) One External Telephone Connector
- (6) One G3 (analog) Line Interface Connector

3.2. Tested Supporting System Details

3.2.1. Support Peripheral Unit

No.	Product	Brand	Model No.	Serial No.	Approval
1	PC System	HP	HP Compaq8300 Elite MT PC	SGH231PFN5	By DoC
2	Monitor	Lenovo	LT2452P	VNA9XVX	By DoC
3	Keyboard	HP	KB-0316	N/A	By DoC
4	Mouse	HP	M-S69	F6AB70S5BOTOYUJ	By DoC
5	USB Storage Media #1	pqi	U273	N/A	By DoC
6	USB Storage Media #2	pqi	U172P	95110870047016	By DoC
7	Telephone	Ju Tong	RS-802M	N/A	N/A
Partner System					
1	Dial Tone System	Sun Moon Star	SMS-4	97080018	N/A
2	FAX	SHARP	UX-178	07101511	N/A
1	AP Server	D-Link	Di-624	F34U177001195	FCC ID: KA2DI624D2
2	Notebook PC	HP	TPN-Q110	5CD2104T9D	FCC ID: PD92230BNH

3.2.2. Cable List

No.	Cable Description Of The Above Support Units
1	LAN Cable: Unshielded, Detachable, 1.0m AC Power Cord: Unshielded, Detachable, 1.8m
2	D-Sub Cable: Shielded, Detachable, 1.8m, Bonded two ferrite cores AC Power Cord: Unshielded, Detachable, 1.8m
3	USB Cable: Shielded, Detachable, 1.8m
4	USB Cable: Shielded, Detachable, 1.8m
5	USB Cable: Shielded, Detachable, 1.5m
6	USB Cable: Shielded, Detachable, 1.5m
7	Telephone Line: Unshielded, Detachable, 10.0m
Partner System	
1	AC Power Cord: Unshielded, Detachable, 1.6m
2	Telephone Line: Cable: Unshielded, Detachable, 1.8m (To Dial Tone System) AC Power Cord: Unshielded, Detachable, 1.2m
3	LAN Cable: Unshielded, Detachable, 10m
4	LAN Cable: Unshielded, Detachable, 10m AC Power Cord: Unshielded, Detachable, 1.2m

3.3. Description of Test Facility

Name of Firm	:	AUDIX Technology Corporation EMC Department No. 53-11, Dingfu, Linkou Dist., New Taipei City 244, Taiwan
Test Location & Facility	:	No. 4 Shielded Room & No. 67-4, Dingfu, Linkou Dist., New Taipei City 244, Taiwan No. 6 Open Area Test Site No. 67-4, Dingfu, Linkou Dist., New Taipei City 244, Taiwan Federal Communication Commission Registration Number: 98448 Renewal on June 16, 2015 No. 2 Semi-Anechoic Chamber No. 67-4, Dingfu, Linkou Dist., New Taipei City 244, Taiwan Federal Communication Commission Registration Number: 370172 Renewal on July 24, 2013
NVLAP Lab. Code	:	200077-0
TAF Accreditation No	:	1724
FCC OET Designation	:	TW1004 & TW1090

3.4. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Conduction Test	150kHz~30MHz	±3.5dB
Radiation Test	30MHz~1000MHz	±4.3dB
	1GHz~6GHz	±4.8dB
	6GHz~18GHz	±4.8dB

Remark : Uncertainty = $k_{uc}(y)$

4. POWERLINE CONDUCTED EMISSION MEASUREMENT

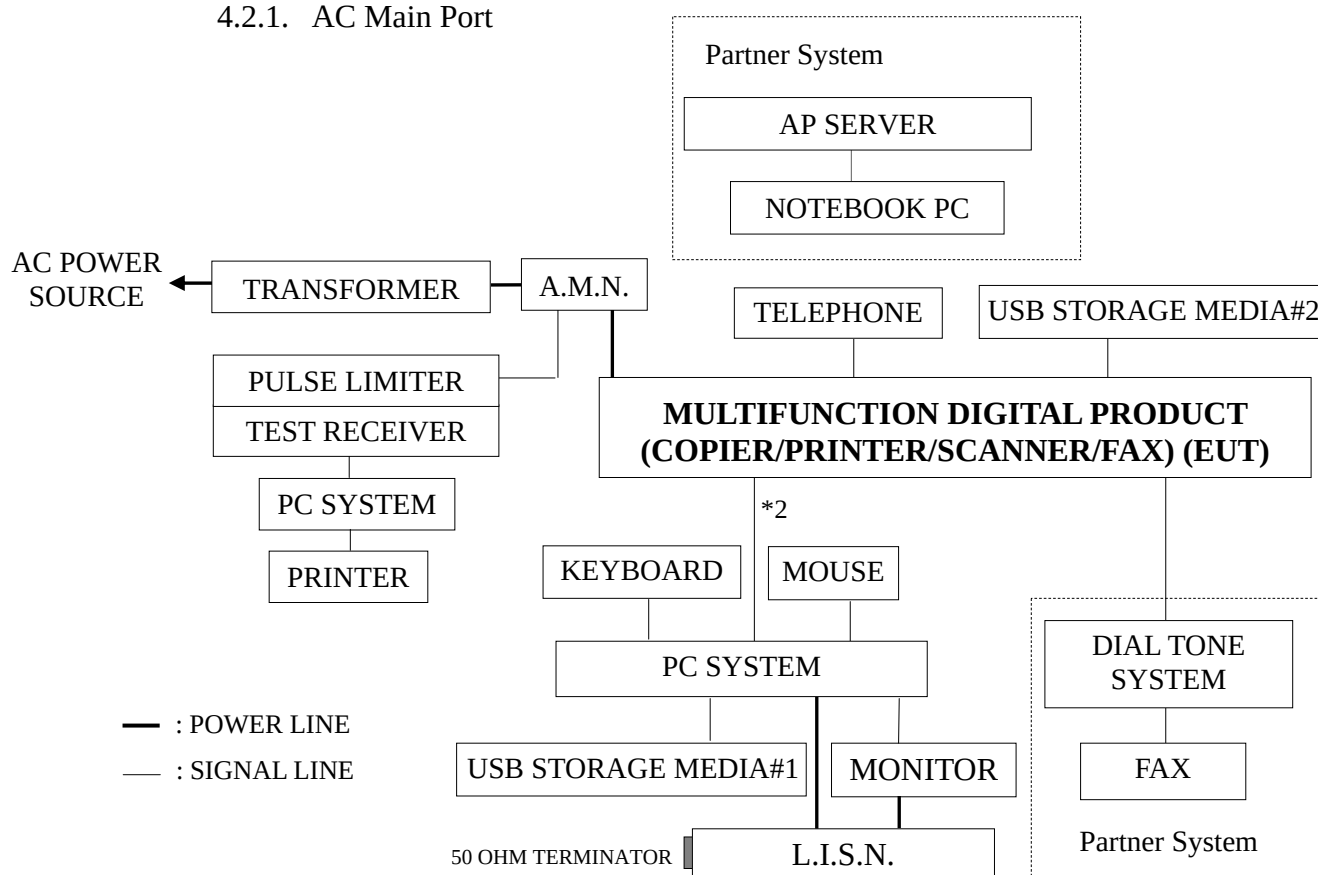
4.1. Test Equipment

The following test equipments are used during the powerline conducted emission measurement : (No. 4 Shielded Room)

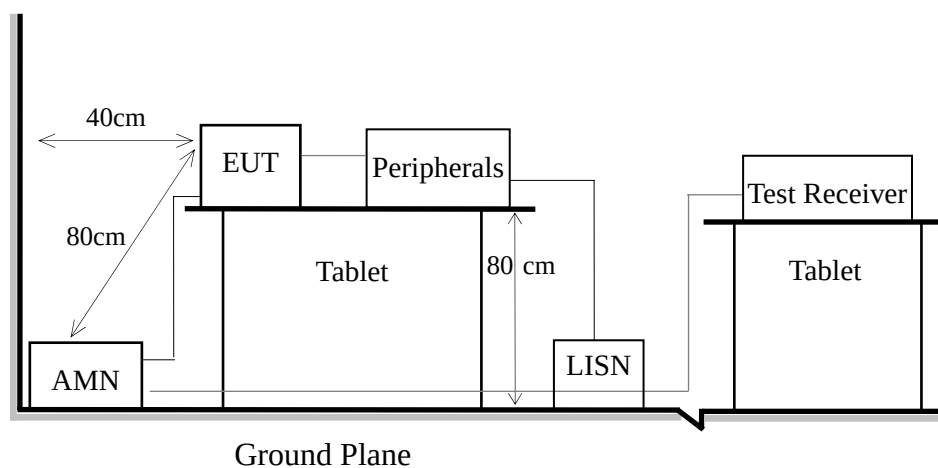
Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Test Receiver	R&S	ESCI	100555	2016. 05. 06	1 Year
2.	A.M.N.	Kyoritsu	ESH2-Z5	890485/023	2016. 04. 25	1 Year
3.	L.I.S.N.	Kyoritsu	KNW-407	8-1430-5	2016. 01. 21	1 Year
4.	Pulse Limiter	R&S	ESH3-Z2	100356	2016. 01. 17	1 Year

4.2. Block Diagram of Test Setup

4.2.1. AC Main Port



4.2.2. Shielded Room Setup Diagram



4.3. Powerline Conducted Emission Limit (FCC§15.107, Class B)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

Remark 1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: The lower limit applies at the band edges.

4.4. Operating Condition of EUT

EUT Exercise Program and Condition	
Operating System	Windows 7 of PC System
Standby	This mode is turn on the power in standby status.
Copy + NIC (LAN) ping	This mode is concerned with the copying function of EUT whereby the document in the ADF will be copy and print out the paper. At the same time, network ports are connected to PC. PC send packet to the printer for receiving at the same IP domain.
USB Print + Wifi Scan	This mode is concerned with the USB printing function of EUT whereby the document will be printed form PC through the RICOH test software. At the same time, the document in the ADF will be scanned by Photoshop software before being saved into the notebook PC via wireless AP.
NIC (LAN) print + Scan to USB memory	This mode is concerned with the LAN printing function of EUT whereby the document will be printed form PC through the RICOH test software. At the same time, the document in the ADF will be scanned by Photoshop software before being saved into the USB memory.
Wifi print +USB scan	This mode is concerned with the Wifi printing function of EUT and with the wireless AP whereby the document will be printed form notebook PC through the RICOH test software. At the same time, the document in the ADF will be scanned by Photoshop software before being saved into the PC via USB port.
Fax	Tx: This mode is concerned with the fax function of EUT whereby the document in the ADF will be fax to support printer and sent out the paper. Rx: This mode is concerned with the fax function of EUT whereby the document in the support printer will be fax to EUT, the EUT is received the documents from the support printer.
The other peripheral devices were driven and operated in turn during all testing.	

4.5. Test Procedure

The EUT was placed on the table which was above the ground by 80cm and its power cord connected to the AC mains through an Artificial Mains Network (A.M.N.). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.) Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.4-2014 during conducted measurement.

The bandwidth of the R&S Test Receiver ESCI was set at 9 kHz.

The frequency range from 150kHz to 30MHz was pre-scanned with a peak detector.

The all final readings from test receiver were measured with Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

4.6. Powerline Conducted Emission Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

The EUT with following modes was measured during this section testing and all the test results are listed in next pages.

EUT : Multifunction Digital Product (Copier/Printer/Scanner/Fax)

Model No. : SP 325SFNw

Test Date : 2016. 05. 24

Temperature : 24°C

Humidity : 60%

Test Date : 2016. 06. 02

Temperature : 24°C

Humidity : 60%

The details of test modes are as follows :

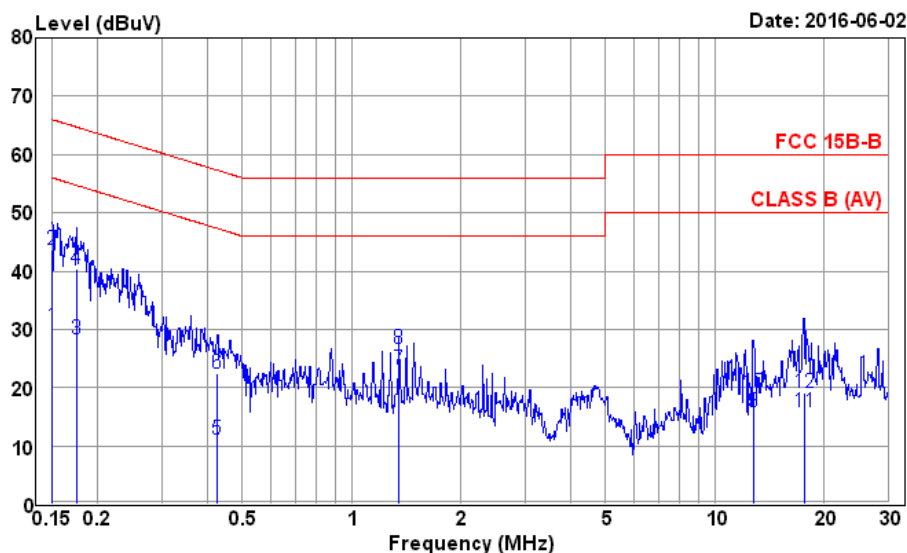
Mode	Operating Mode	Reference Test Data No.	
		Neutral	Line
1	Standby Mode	# 4	# 3
2	Copy + NIC (LAN) Ping Mode	# 6	# 5
3	USB Print + WIFI Scan Mode	# 2	# 1
4	NIC (LAN) Print + USB Memory Mode	# 8	# 7
5	WIFI Print + USB Scan Mode	# 10	# 9
6	FAX-TX Mode	# 12	# 11
7	FAX-RX Mode	# 14	# 13



AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 4

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)



Site no. : No.4 Shielded Room Data no. : 4
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : Standby

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.32	30.35	56.00	25.65	Average
2	0.150	0.15	0.02	9.86	33.58	43.61	66.00	22.39	QP
3	0.175	0.15	0.02	9.85	18.22	28.24	54.72	26.48	Average
4	0.175	0.15	0.02	9.85	30.37	40.39	64.72	24.33	QP
5	0.426	0.18	0.03	9.86	0.99	11.06	47.33	36.27	Average
6	0.426	0.18	0.03	9.86	12.42	22.49	57.33	34.84	QP
7	1.352	0.22	0.04	9.86	13.08	23.20	46.00	22.80	Average
8	1.352	0.22	0.04	9.86	16.50	26.62	56.00	29.38	QP
9	12.784	0.75	0.11	9.90	5.13	15.89	50.00	34.11	Average
10	12.784	0.75	0.11	9.90	8.43	19.19	60.00	40.81	QP
11	17.568	1.02	0.13	9.93	4.64	15.72	50.00	34.28	Average
12	17.568	1.02	0.13	9.93	7.99	19.07	60.00	40.93	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

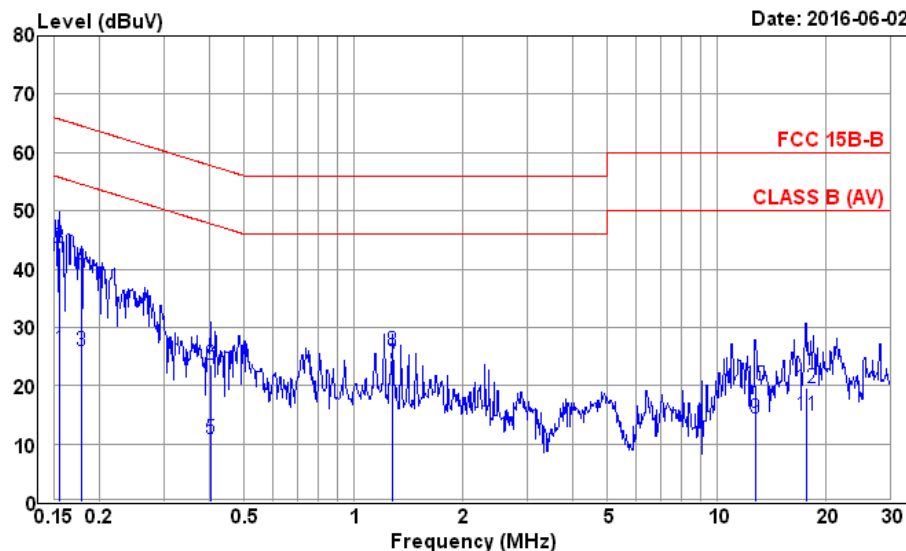


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 3

File: D:\TEST-DATA\REPORT\2016\1C1M1605XXX\1C1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 3
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : Standby

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	16.20	26.25	55.69	29.44	Average
2	0.156	0.17	0.02	9.86	33.63	43.68	65.69	22.01	QP
3	0.178	0.17	0.02	9.85	15.92	25.96	54.59	28.63	Average
4	0.178	0.17	0.02	9.85	30.19	40.23	64.59	24.36	QP
5	0.404	0.19	0.03	9.86	0.90	10.98	47.77	36.79	Average
6	0.404	0.19	0.03	9.86	13.42	23.50	57.77	34.27	QP
7	1.282	0.22	0.04	9.86	13.71	23.83	46.00	22.17	Average
8	1.282	0.22	0.04	9.86	15.91	26.03	56.00	29.97	QP
9	12.784	0.44	0.11	9.90	3.88	14.33	50.00	35.67	Average
10	12.784	0.44	0.11	9.90	9.59	20.04	60.00	39.96	QP
11	17.568	0.50	0.13	9.93	4.36	14.92	50.00	35.08	Average
12	17.568	0.50	0.13	9.93	8.96	19.52	60.00	40.48	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

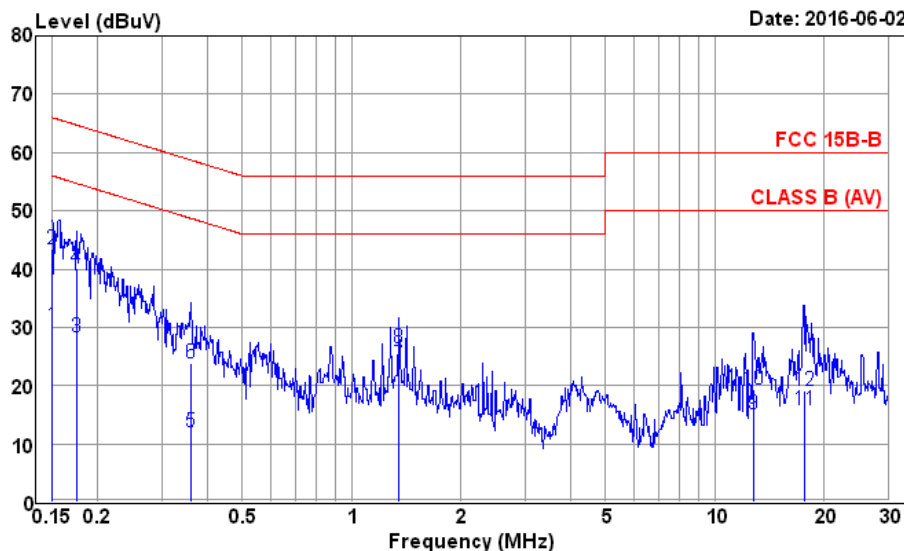


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 6

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 6
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : Copy+NIC Ping

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.12	30.15	56.00	25.85	Average
2	0.150	0.15	0.02	9.86	33.41	43.44	66.00	22.56	QP
3	0.175	0.15	0.02	9.85	18.28	28.30	54.72	26.42	Average
4	0.175	0.15	0.02	9.85	30.14	40.16	64.72	24.56	QP
5	0.361	0.18	0.03	9.86	1.97	12.04	48.69	36.65	Average
6	0.361	0.18	0.03	9.86	13.67	23.74	58.69	34.95	QP
7	1.352	0.22	0.04	9.86	13.48	23.60	46.00	22.40	Average
8	1.352	0.22	0.04	9.86	16.29	26.41	56.00	29.59	QP
9	12.784	0.75	0.11	9.90	4.45	15.21	50.00	34.79	Average
10	12.784	0.75	0.11	9.90	8.55	19.31	60.00	40.69	QP
11	17.568	1.02	0.13	9.93	4.81	15.89	50.00	34.11	Average
12	17.568	1.02	0.13	9.93	7.94	19.02	60.00	40.98	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

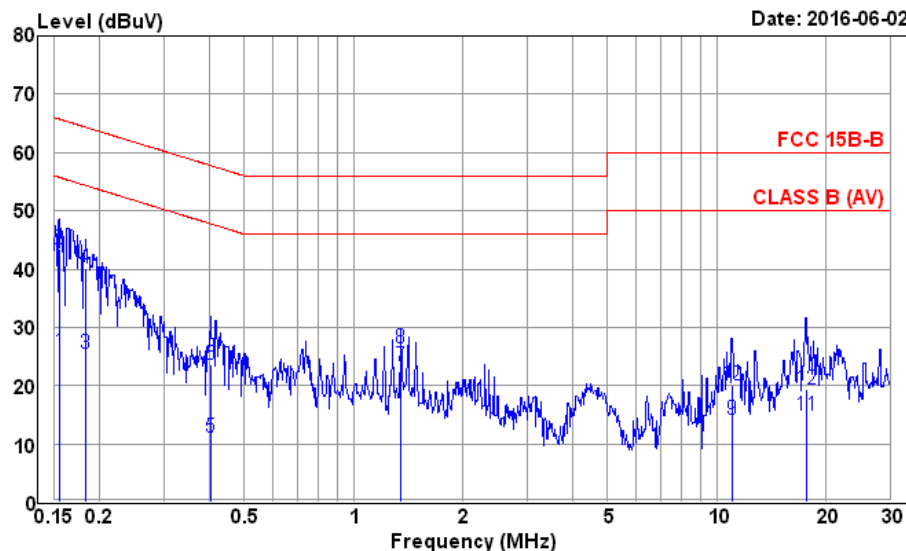


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 5

File: D:\TEST-DATA\REPORT\2016\1C1M1605XXX\1C1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 5
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : Copy+NIC Ping

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	15.69	25.74	55.69	29.95	Average
2	0.156	0.17	0.02	9.86	33.45	43.50	65.69	22.19	QP
3	0.182	0.17	0.02	9.85	15.45	25.49	54.37	28.88	Average
4	0.182	0.17	0.02	9.85	30.10	40.14	64.37	24.23	QP
5	0.404	0.19	0.03	9.86	1.00	11.08	47.77	36.69	Average
6	0.404	0.19	0.03	9.86	13.61	23.69	57.77	34.08	QP
7	1.352	0.22	0.04	9.86	13.20	23.32	46.00	22.68	Average
8	1.352	0.22	0.04	9.86	16.36	26.48	56.00	29.52	QP
9	11.021	0.41	0.11	9.89	3.79	14.20	50.00	35.80	Average
10	11.021	0.41	0.11	9.89	9.65	20.06	60.00	39.94	QP
11	17.568	0.50	0.13	9.93	4.29	14.85	50.00	35.15	Average
12	17.568	0.50	0.13	9.93	8.80	19.36	60.00	40.64	QP

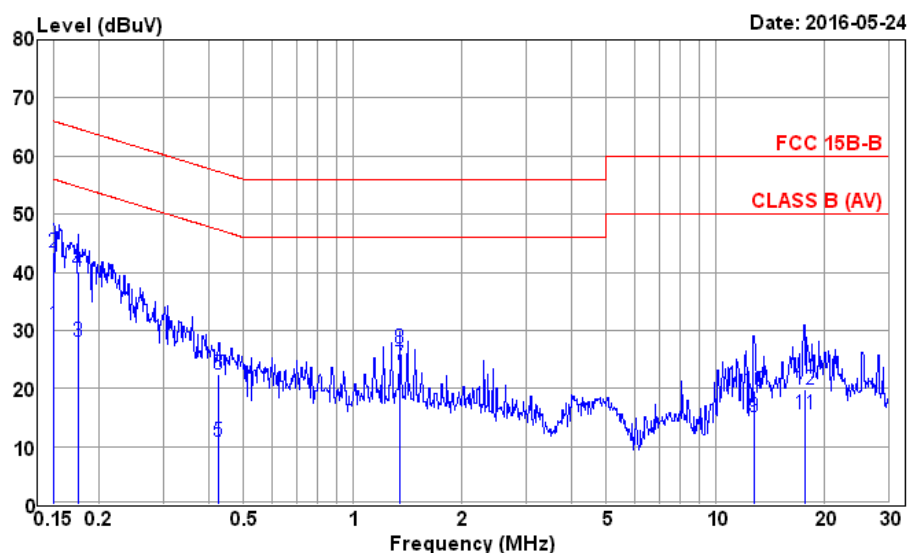
Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.



AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 2

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (2)



Site no. : No.4 Shielded Room Data no. : 2
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNw
Power Rating : 120Vac/60Hz
Test Mode : USB Print+WiFi Scan

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.80	30.83	56.00	25.17	Average
2	0.150	0.15	0.02	9.86	33.40	43.43	66.00	22.57	QP
3	0.175	0.15	0.02	9.85	18.13	28.15	54.72	26.57	Average
4	0.175	0.15	0.02	9.85	30.22	40.24	64.72	24.48	QP
5	0.426	0.18	0.03	9.86	0.90	10.97	47.33	36.36	Average
6	0.426	0.18	0.03	9.86	12.31	22.38	57.33	34.95	QP
7	1.352	0.22	0.04	9.86	14.08	24.20	46.00	21.80	Average
8	1.352	0.22	0.04	9.86	16.75	26.87	56.00	29.13	QP
9	12.784	0.75	0.11	9.90	4.25	15.01	50.00	34.99	Average
10	12.784	0.75	0.11	9.90	8.90	19.66	60.00	40.34	QP
11	17.568	1.02	0.13	9.93	4.42	15.50	50.00	34.50	Average
12	17.568	1.02	0.13	9.93	8.87	19.95	60.00	40.05	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

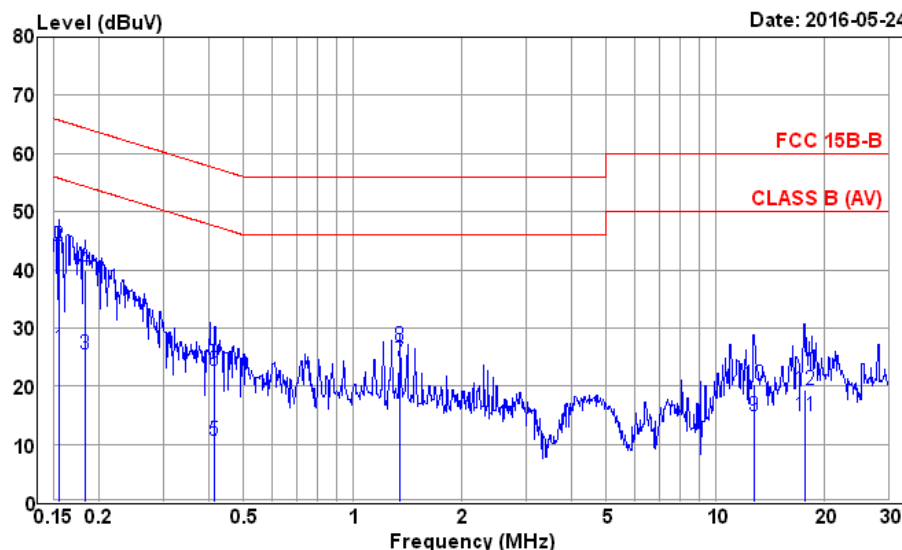


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 1

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (2)

Date: 2016-05-24



Site no. : No.4 Shielded Room Data no. : 1
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNw
Power Rating : 120Vac/60Hz
Test Mode : USB Print+WiFi Scan

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	16.42	26.47	55.69	29.22	Average
2	0.156	0.17	0.02	9.86	34.06	44.11	65.69	21.58	QP
3	0.182	0.17	0.02	9.85	15.56	25.60	54.37	28.77	Average
4	0.182	0.17	0.02	9.85	29.95	39.99	64.37	24.38	QP
5	0.417	0.19	0.03	9.86	0.62	10.70	47.51	36.81	Average
6	0.417	0.19	0.03	9.86	12.54	22.62	57.51	34.89	QP
7	1.352	0.22	0.04	9.86	14.14	24.26	46.00	21.74	Average
8	1.352	0.22	0.04	9.86	16.74	26.86	56.00	29.14	QP
9	12.784	0.44	0.11	9.90	4.39	14.84	50.00	35.16	Average
10	12.784	0.44	0.11	9.90	9.75	20.20	60.00	39.80	QP
11	17.568	0.50	0.13	9.93	4.36	14.92	50.00	35.08	Average
12	17.568	0.50	0.13	9.93	8.69	19.25	60.00	40.75	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

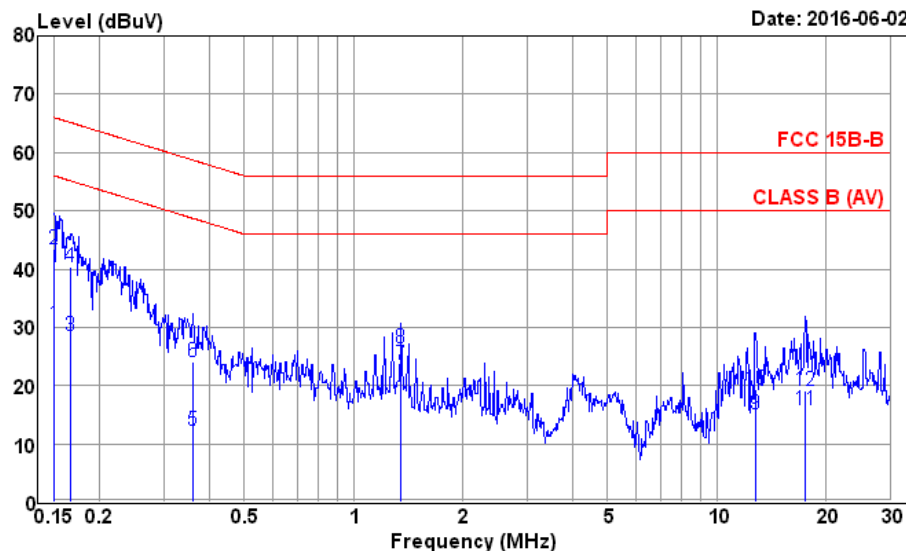


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 8

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 8
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : NIC Print+Scan to USB memory

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.46	30.49	56.00	25.51	Average
2	0.150	0.15	0.02	9.86	33.45	43.48	66.00	22.52	QP
3	0.167	0.15	0.02	9.86	18.49	28.52	55.12	26.60	Average
4	0.167	0.15	0.02	9.86	30.45	40.48	65.12	24.64	QP
5	0.361	0.18	0.03	9.86	2.10	12.17	48.69	36.52	Average
6	0.361	0.18	0.03	9.86	13.90	23.97	58.69	34.72	QP
7	1.352	0.22	0.04	9.86	13.45	23.57	46.00	22.43	Average
8	1.352	0.22	0.04	9.86	16.29	26.41	56.00	29.59	QP
9	12.784	0.75	0.11	9.90	4.44	15.20	50.00	34.80	Average
10	12.784	0.75	0.11	9.90	8.57	19.33	60.00	40.67	QP
11	17.475	1.01	0.13	9.93	4.84	15.91	50.00	34.09	Average
12	17.475	1.01	0.13	9.93	7.97	19.04	60.00	40.96	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

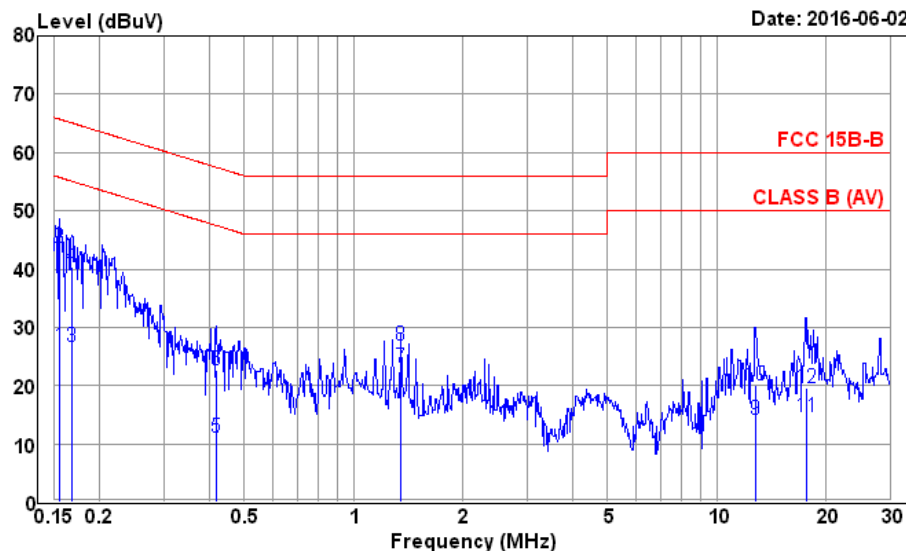


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 7

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 7
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : NIC Print+Scan to USB memory

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	16.55	26.60	55.69	29.09	Average
2	0.156	0.17	0.02	9.86	33.63	43.68	65.69	22.01	QP
3	0.168	0.17	0.02	9.86	16.72	26.77	55.08	28.31	Average
4	0.168	0.17	0.02	9.86	30.27	40.32	65.08	24.76	QP
5	0.419	0.19	0.03	9.86	1.11	11.19	47.46	36.27	Average
6	0.419	0.19	0.03	9.86	12.49	22.57	57.46	34.89	QP
7	1.352	0.22	0.04	9.86	12.99	23.11	46.00	22.89	Average
8	1.352	0.22	0.04	9.86	16.71	26.83	56.00	29.17	QP
9	12.784	0.44	0.11	9.90	3.65	14.10	50.00	35.90	Average
10	12.784	0.44	0.11	9.90	9.62	20.07	60.00	39.93	QP
11	17.568	0.50	0.13	9.93	4.12	14.68	50.00	35.32	Average
12	17.568	0.50	0.13	9.93	8.96	19.52	60.00	40.48	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

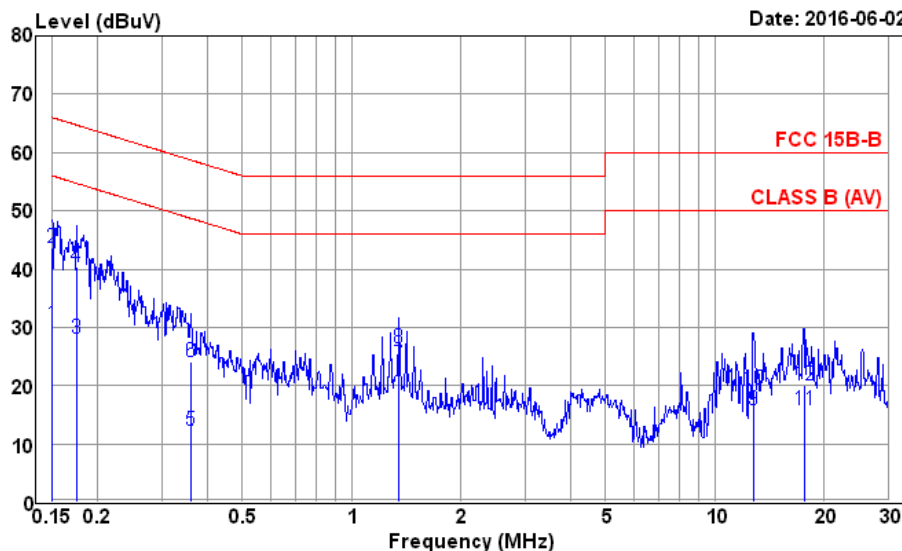


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 10

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 10
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : WiFi Print+USB Scan

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.51	30.54	56.00	25.46	Average
2	0.150	0.15	0.02	9.86	33.67	43.70	66.00	22.30	QP
3	0.175	0.15	0.02	9.85	18.03	28.05	54.72	26.67	Average
4	0.175	0.15	0.02	9.85	30.37	40.39	64.72	24.33	QP
5	0.361	0.18	0.03	9.86	2.11	12.18	48.69	36.51	Average
6	0.361	0.18	0.03	9.86	13.90	23.97	58.69	34.72	QP
7	1.352	0.22	0.04	9.86	13.47	23.59	46.00	22.41	Average
8	1.352	0.22	0.04	9.86	16.29	26.41	56.00	29.59	QP
9	12.784	0.75	0.11	9.90	4.99	15.75	50.00	34.25	Average
10	12.784	0.75	0.11	9.90	8.57	19.33	60.00	40.67	QP
11	17.568	1.02	0.13	9.93	4.82	15.90	50.00	34.10	Average
12	17.568	1.02	0.13	9.93	8.89	19.97	60.00	40.03	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

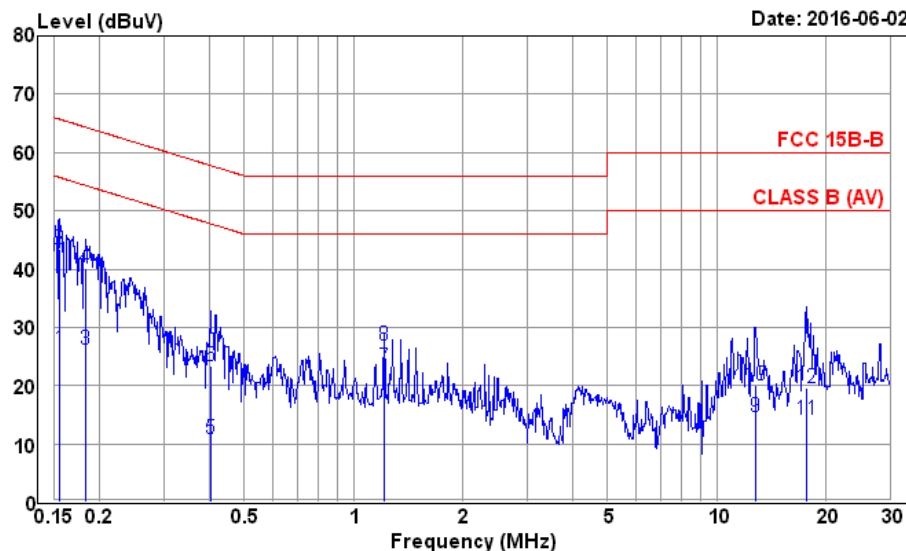


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 9

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 9
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : WiFi Print+USB Scan

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	16.16	26.21	55.69	29.48	Average
2	0.156	0.17	0.02	9.86	33.50	43.55	65.69	22.14	QP
3	0.182	0.17	0.02	9.85	16.18	26.22	54.37	28.15	Average
4	0.182	0.17	0.02	9.85	30.10	40.14	64.37	24.23	QP
5	0.404	0.19	0.03	9.86	0.79	10.87	47.77	36.90	Average
6	0.404	0.19	0.03	9.86	13.36	23.44	57.77	34.33	QP
7	1.216	0.22	0.03	9.86	13.04	23.15	46.00	22.85	Average
8	1.216	0.22	0.03	9.86	16.73	26.84	56.00	29.16	QP
9	12.784	0.44	0.11	9.90	4.24	14.69	50.00	35.31	Average
10	12.784	0.44	0.11	9.90	9.56	20.01	60.00	39.99	QP
11	17.568	0.50	0.13	9.93	3.60	14.16	50.00	35.84	Average
12	17.568	0.50	0.13	9.93	9.01	19.57	60.00	40.43	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

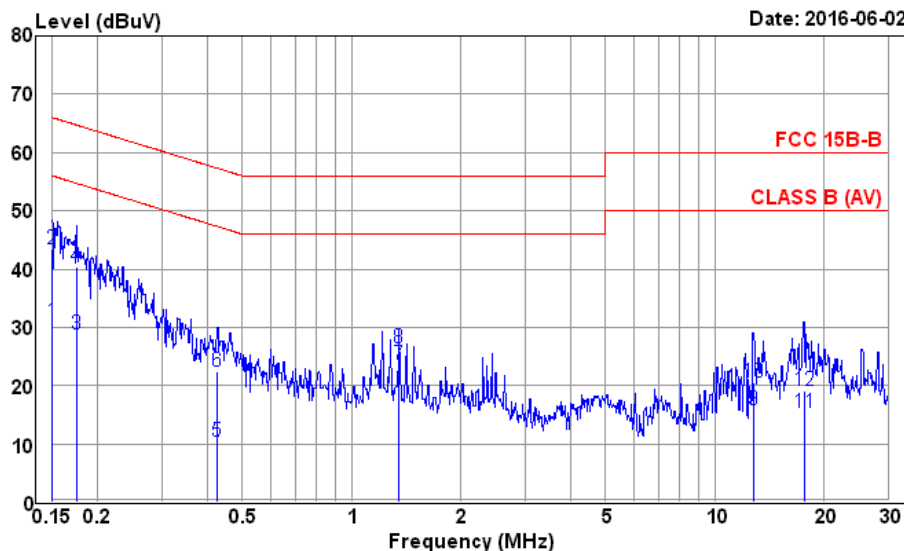


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 12

File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 12
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : FAX TX

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.15	0.02	9.86	20.95	30.98	56.00	25.02	Average
2	0.150	0.15	0.02	9.86	33.50	43.53	66.00	22.47	QP
3	0.175	0.15	0.02	9.85	18.67	28.69	54.72	26.03	Average
4	0.175	0.15	0.02	9.85	30.32	40.34	64.72	24.38	QP
5	0.426	0.18	0.03	9.86	0.42	10.49	47.33	36.84	Average
6	0.426	0.18	0.03	9.86	12.42	22.49	57.33	34.84	QP
7	1.352	0.22	0.04	9.86	13.58	23.70	46.00	22.30	Average
8	1.352	0.22	0.04	9.86	16.43	26.55	56.00	29.45	QP
9	12.784	0.75	0.11	9.90	4.98	15.74	50.00	34.26	Average
10	12.784	0.75	0.11	9.90	9.82	20.58	60.00	39.42	QP
11	17.568	1.02	0.13	9.93	4.30	15.38	50.00	34.62	Average
12	17.568	1.02	0.13	9.93	8.04	19.12	60.00	40.88	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

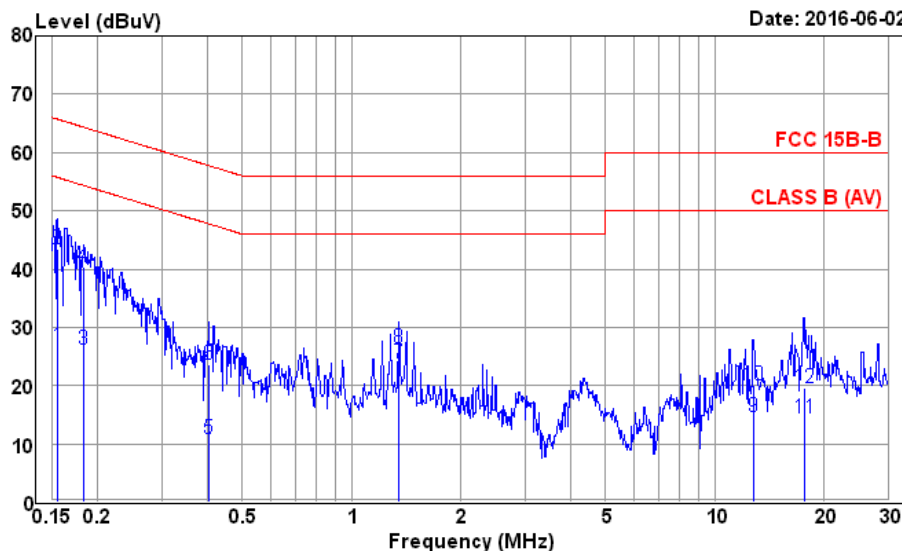


AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 11

File: D:\TEST-DATA\REPORT\2016\1C1M1605XXX\1C1M1605224-C-D.EM6 (14)

Date: 2016-06-02



Site no. : No.4 Shielded Room Data no. : 11
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : FAX TX

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	16.58	26.63	55.69	29.06	Average
2	0.156	0.17	0.02	9.86	33.45	43.50	65.69	22.19	QP
3	0.182	0.17	0.02	9.85	16.23	26.27	54.37	28.10	Average
4	0.182	0.17	0.02	9.85	30.23	40.27	64.37	24.10	QP
5	0.404	0.19	0.03	9.86	0.85	10.93	47.77	36.84	Average
6	0.404	0.19	0.03	9.86	13.61	23.69	57.77	34.08	QP
7	1.352	0.22	0.04	9.86	13.65	23.77	46.00	22.23	Average
8	1.352	0.22	0.04	9.86	16.29	26.41	56.00	29.59	QP
9	12.784	0.44	0.11	9.90	4.11	14.56	50.00	35.44	Average
10	12.784	0.44	0.11	9.90	9.65	20.10	60.00	39.90	QP
11	17.568	0.50	0.13	9.93	3.75	14.31	50.00	35.69	Average
12	17.568	0.50	0.13	9.93	8.96	19.52	60.00	40.48	QP

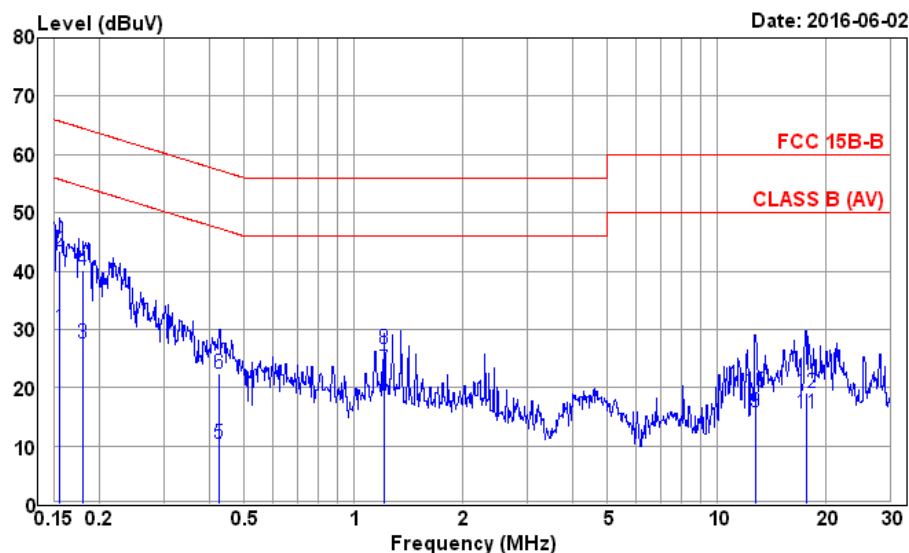
Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.



AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 14

File: D:\TEST-DATA\REPORT\2016\1C1M1605XXX\1C1M1605224-C-D.EM6 (14)



Site no. : No.4 Shielded Room Data no. : 14
Condition : ESH2-Z5 890485/023 LISN Phase : NEUTRAL
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNw
Power Rating : 120Vac/60Hz
Test Mode : FAX RX

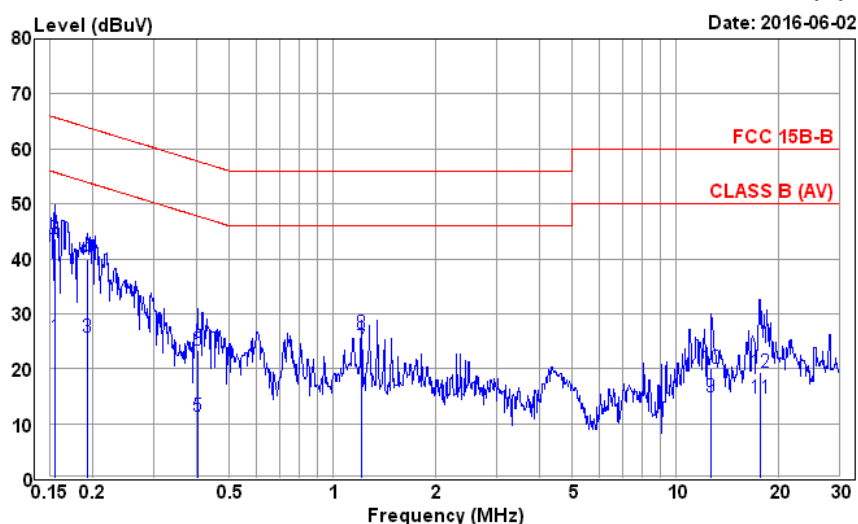
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.15	0.02	9.86	20.30	30.33	55.69	25.36	Average
2	0.156	0.15	0.02	9.86	33.32	43.35	65.69	22.34	QP
3	0.181	0.15	0.02	9.85	17.61	27.63	54.46	26.83	Average
4	0.181	0.15	0.02	9.85	30.05	40.07	64.46	24.39	QP
5	0.426	0.18	0.03	9.86	0.40	10.47	47.33	36.86	Average
6	0.426	0.18	0.03	9.86	12.36	22.43	57.33	34.90	QP
7	1.216	0.21	0.03	9.86	13.05	23.15	46.00	22.85	Average
8	1.216	0.21	0.03	9.86	16.49	26.59	56.00	29.41	QP
9	12.784	0.75	0.11	9.90	5.10	15.86	50.00	34.14	Average
10	12.784	0.75	0.11	9.90	8.71	19.47	60.00	40.53	QP
11	17.568	1.02	0.13	9.93	4.42	15.50	50.00	34.50	Average
12	17.568	1.02	0.13	9.93	8.02	19.10	60.00	40.90	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.



AUDIX Technology Corporation EMC Dept.
No.53-11, Dingfu, Linkou Dist., New Taipei City
244 Taiwan, R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
E-mail: emc@audixtech.com

Data: 13 File: D:\TEST-DATA\REPORT\2016\IC1M1605XXX\IC1M1605224-C-D.EM6 (14)



Site no. : No.4 Shielded Room Data no. : 13
Condition : ESH2-Z5 890485/023 LISN Phase : LINE
Limit : FCC 15B-B
Env. / Ins. : 24°C/ 60% ESCI (100555) Engineer : Ghost
EUT : SP325SFNW
Power Rating : 120Vac/60Hz
Test Mode : FAX RX

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	0.17	0.02	9.86	15.73	25.78	55.69	29.91	Average
2	0.156	0.17	0.02	9.86	33.58	43.63	65.69	22.06	QP
3	0.192	0.17	0.02	9.85	15.69	25.73	53.93	28.20	Average
4	0.192	0.17	0.02	9.85	29.81	39.85	63.93	24.08	QP
5	0.404	0.19	0.03	9.86	1.21	11.29	47.77	36.48	Average
6	0.404	0.19	0.03	9.86	13.23	23.31	57.77	34.46	QP
7	1.210	0.22	0.03	9.86	13.81	23.92	46.00	22.08	Average
8	1.210	0.22	0.03	9.86	16.36	26.47	56.00	29.53	QP
9	12.716	0.43	0.11	9.90	4.52	14.96	50.00	35.04	Average
10	12.716	0.43	0.11	9.90	9.65	20.09	60.00	39.91	QP
11	17.568	0.50	0.13	9.93	4.12	14.68	50.00	35.32	Average
12	17.568	0.50	0.13	9.93	8.77	19.33	60.00	40.67	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

5. RADIATED EMISSION MEASUREMENT

5.1. Test Equipment

The following test equipment was used during radiated disturbance measurement:

5.1.1. For 30MHz-1000MHz Frequency (At No. 6 Open Area Test Site)

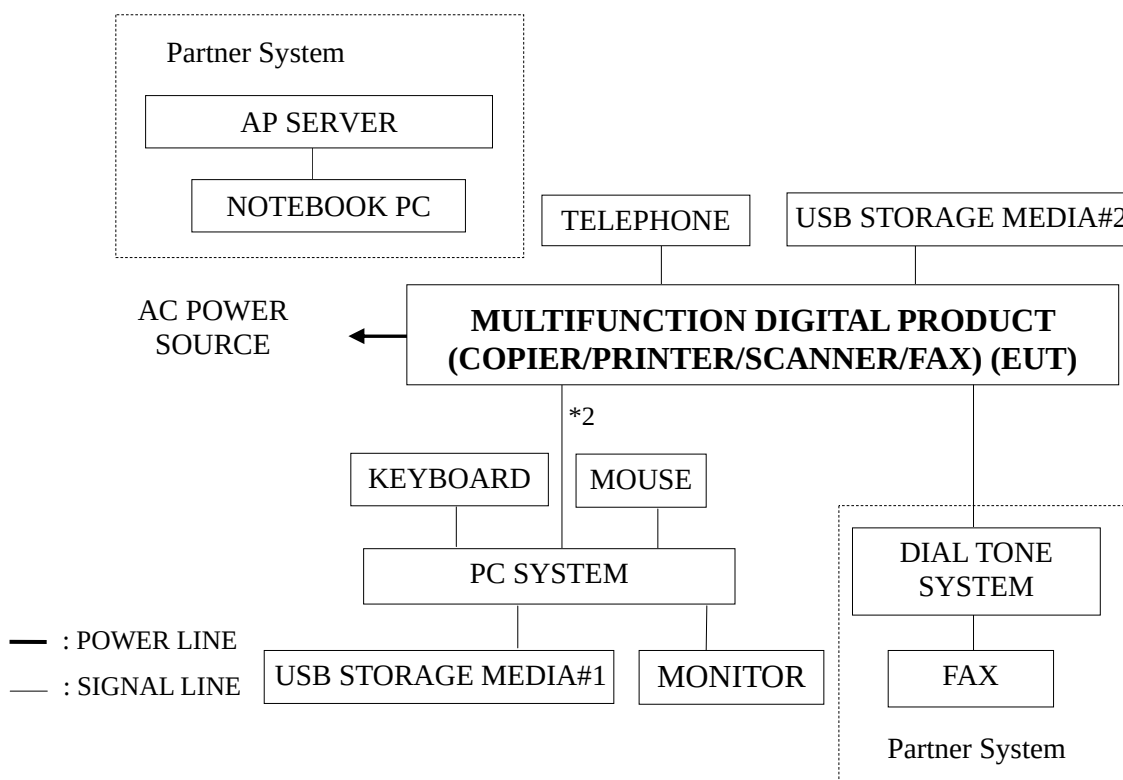
Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1	Spectrum Analyzer	Agilent	N9010A-507	MY49061167	2016. 05. 06	1 Year
2	Test Receiver	R&S	ESCS30	100339	2016. 04. 26	1 Year
3	Amplifier	HP	8447D	2443A03938	N.C.R.	N.C.R.
4	Biconical Antenna	ETC	MCTD 0286	BC14N02008	2016. 02. 26	1 Year
5	Log-Periodic Dipole Array Antenna	ETC	MCTD 2856	LP14N02010	2016. 02. 26	1 Year

5.1.2. For Above 1GHz Frequency (At No. 2 Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1	Spectrum Analyzer	Agilent	N9010A-526	MY48031076	2015. 09. 24	1 Year
2	Amplifier	Agilent	8449B	3008A02681	2016. 03. 24	1 Year
3	Horn Antenna	EMCO	3115	9112-3775	2016. 05. 13	1 Year

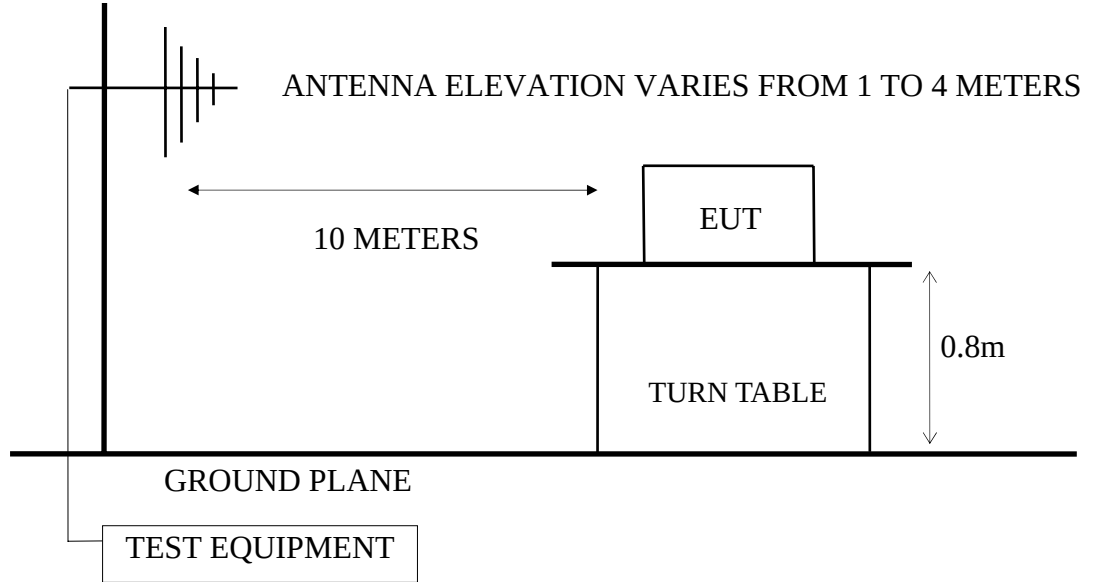
5.2. Block Diagram of Test Setup

5.2.1. Block Diagram of connection between EUT and simulators



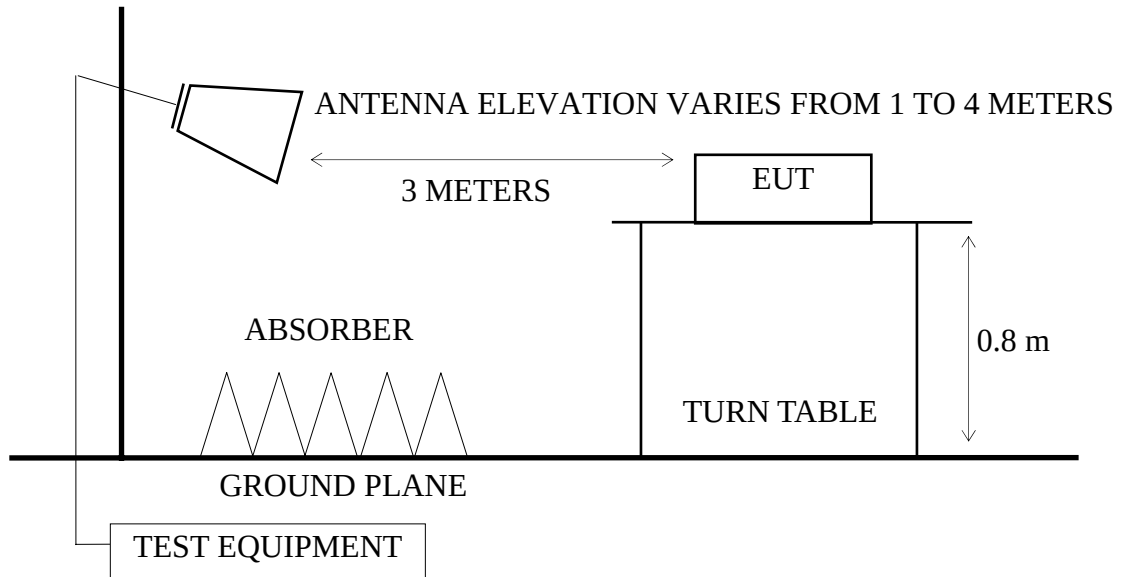
5.2.2. Open Area Test Site Setup Diagram for 30-1000MHz

ANTENNA TOWER



5.2.3. Semi-Anechoic Chamber (3m) Setup Diagram for above 1GHz

BORE-SIGHT ANTENNA TOWER



5.3. Radiation Emission Limit

(FCC§15.109/CISPR 22, Class B)

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB μ V/m)
30 ~ 230	10	30
230 ~ 1000	10	37
Above 1000	3	73.98 (Peak)
Above 1000	3	53.98 (Average)

- Note :
- (1) The tighter limit applies at the edge between two frequency bands.
 - (2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the E.U.T.
 - (3) The limits applied for radiated emission measurement were used against the requirement of FCC Part 15.109 (a)/(g).

5.4. Operating Condition of EUT

Same as powerline conducted measurement which is listed in 4.4., except the test set up replaced by section 5.2.

5.5. Test Procedure

- 5.5.1. For Frequency Range was 30MHz-1000MHz which measurement distance was 10m at Open Area Test Site:

The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT was set to 10 meters away from the receiving antenna which was mounted on an antenna tower. The antenna could be moved up and down between 1 to 4 meters to find out the maximum emission level. Broadband antennas were used as receiving antennas. Both horizontal and vertical polarization of the antenna was set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4-2014 on radiated measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 120 kHz.

The frequency range from 30MHz to 1000MHz was pre-scanned with Peak detector and all the final readings of measurement were with Quasi-Peak detector.

- 5.5.2. For frequency range above 1GHz measurement at distance of 3m at Semi-Anechoic Chamber:

The EUT and its simulators were placed on a turn table which was 0.8 meter above ground. The portion of the test volume that was obstructed by absorber placed on the floor (30cm maximum). The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set to 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna could be moved up and down between 1 to 4 meters to find out the maximum emission level. A calibrated Horn Antenna was used as a receiving antenna. Both horizontal and vertical polarizations of the antenna were set on measurement, and both average and peak emission level were recorded from spectrum analyzer. In order to find the maximum emission level, all the interface cables were manipulated according to ANSI C63.4-2014 on radiated measurement.

The resolution bandwidth of Agilent Spectrum Analyzer N9010A-526 was set at 1MHz.

The frequency range above 1GHz was checked and all final readings of measurement were with Peak and Average detector.

5.6. Radiated Emission Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

For 30MHz~1000MHz frequency range :

The EUT with following modes was measured during radiated testing and all the test data are listed in section 5.6.1.

EUT : Multifunction Digital Product (Copier/Printer/Scanner/Fax)

Model No. : SP 325SFNw

Test Date : 2016. 05. 23 Temperature : 21°C Humidity : 57%

Test Date : 2016. 06. 01 Temperature : 21°C Humidity : 57%

The details of test modes are as follows :

Mode	Operating Mode	Reference Test Data No.	
		Horizontal	Vertical
1	Standby Mode	# 7	# 8
2	Copy + NIC (LAN) Ping Mode	# 6	# 5
※3	USB Print + WIFI Scan Mode	# 2	# 1
4	NIC (LAN) Print + USB Memory Mode	# 10	# 9
5	WIFI Print + USB Scan Mode	# 3	# 4
6	FAX-TX Mode	# 11	# 12
7	FAX-RX Mode	# 14	# 13

(※mode for maximum detected emission)

For Above 1GHz frequency range

The EUT with worst mode was measured during radiated testing and all the test data are listed in section 5.6.2.

EUT : Multifunction Digital Product (Copier/Printer/Scanner/Fax)

Model No. : SP 325SFNw

Test Date : 2016. 05. 23

Temperature : 25°C

Humidity : 53%

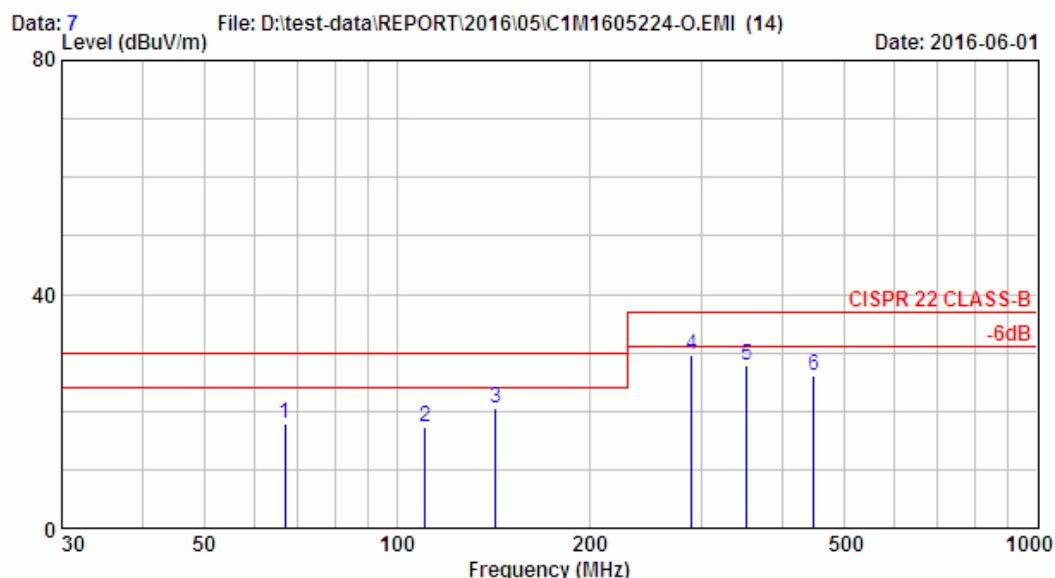
The details of test modes are as follows :

Mode	Operating Mode	Reference Test Data No.	
		Horizontal	Vertical
1	Standby Mode	# 8	# 7
2	Copy + NIC (LAN) Ping Mode	# 6	# 5
3	USB Print + WIFI Scan Mode	# 2	# 1
4	NIC (LAN) Print + USB Memory Mode	# 10	# 9
5	WIFI Print + USB Scan Mode	# 4	# 3
6	FAX-TX Mode	# 12	# 11
7	FAX-RX Mode	# 14	# 13

5.6.1. 30 - 1000MHz Frequency Range Radiated Disturbance Measurement Results at Open Area Test Site:



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



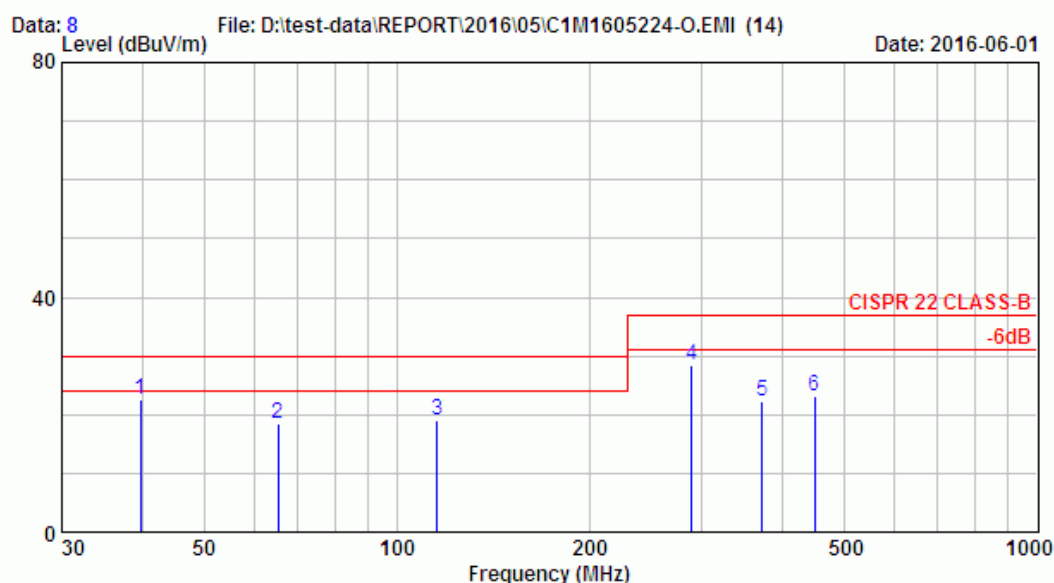
Site no. : OATS No. 6 Data no. : 7
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : STANDBY

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	67.018	15.25	1.12	1.44	17.81	30.00	12.19	QP
2	110.855	16.38	1.50	-0.60	17.28	30.00	12.72	QP
3	142.698	17.95	1.74	0.81	20.50	30.00	9.50	QP
4	289.033	25.69	2.63	1.31	29.62	37.00	7.38	QP
5	352.612	15.31	2.93	9.74	27.97	37.00	9.03	QP
6	448.773	17.17	3.34	5.63	26.14	37.00	10.86	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



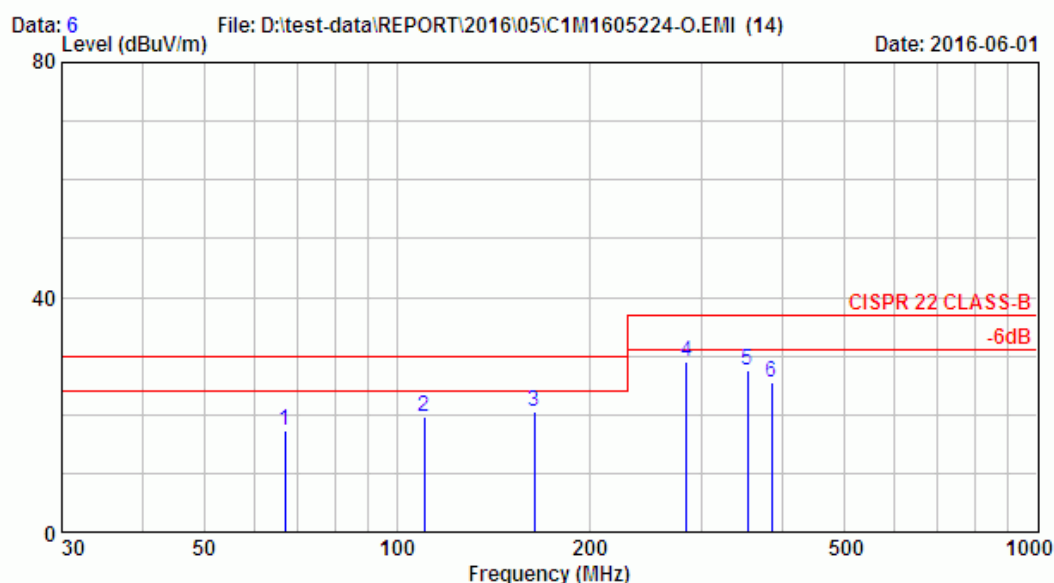
Site no. : OATS No. 6 Data no. : 8
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : STANDBY

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	39.756	18.39	0.85	3.31	22.55	30.00	7.45	QP
2	65.286	15.27	1.10	2.06	18.43	30.00	11.57	QP
3	115.734	16.65	1.54	0.97	19.16	30.00	10.84	QP
4	289.280	25.69	2.63	0.02	28.33	37.00	8.67	QP
5	372.876	15.52	3.01	3.67	22.20	37.00	14.80	QP
6	449.745	17.17	3.34	2.61	23.11	37.00	13.89	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



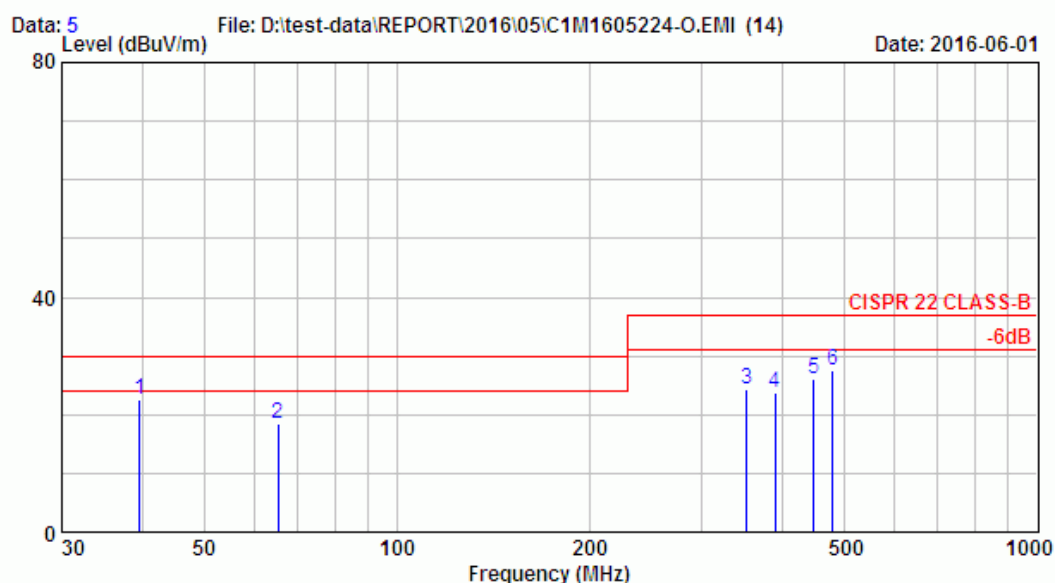
Site no. : OATS No. 6 Data no. : 6
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 325SFNw
Power Rating : 120Vac / 60Hz
Test Mode : COPY + NIC Ping

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	66.962	15.25	1.12	0.85	17.22	30.00	12.78	QP
2	110.479	16.36	1.50	1.75	19.61	30.00	10.39	QP
3	163.923	18.34	1.90	0.37	20.61	30.00	9.39	QP
4	283.631	25.36	2.60	1.14	29.09	37.00	7.91	QP
5	353.428	15.31	2.93	9.21	27.44	37.00	9.56	QP
6	384.627	15.63	3.06	6.74	25.43	37.00	11.57	QP

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



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou, Dist., New Taipei
 City, 244 Taiwan, R.O.C.
 Tel:+886-2-26092133 Fax:+886-2-26099303
 Email:emc@audixtech.com



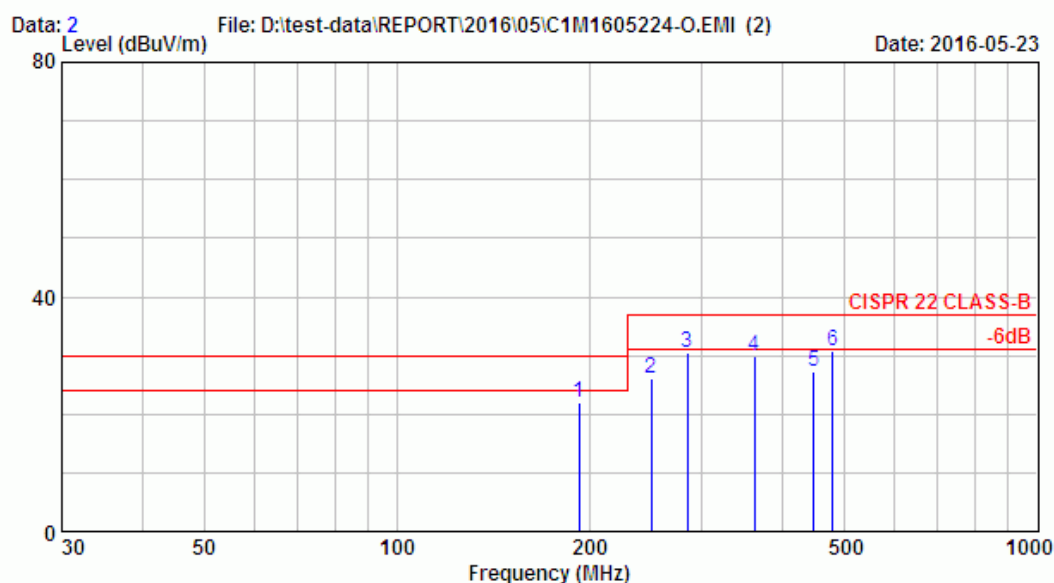
Site no. : OATS No. 6 Data no. : 5
 Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
 EUT : SP 3258FNw
 Power Rating : 120Vac / 60Hz
 Test Mode : COPY + NIC Ping

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	39.687	18.39	0.85	3.44	22.68	30.00	7.32	QP
2	65.229	15.27	1.10	2.17	18.54	30.00	11.46	QP
3	352.163	15.29	2.92	6.14	24.36	37.00	12.64	QP
4	389.557	15.66	3.08	5.11	23.85	37.00	13.15	QP
5	448.449	17.12	3.33	5.69	26.15	37.00	10.85	QP
6	480.009	17.92	3.47	6.20	27.59	37.00	9.41	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



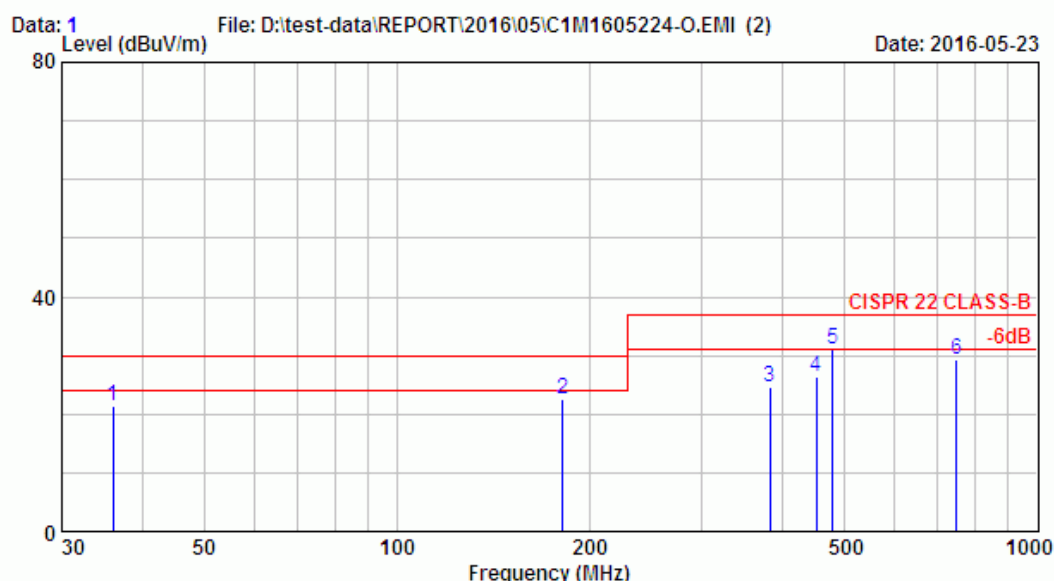
Site no. : OATS No. 6 Data no. : 2
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 325SFNw
Power Rating : 120Vac / 60Hz
Test Mode : USB Print + WiFi Scan

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	192.930	20.29	2.10	-0.35	22.04	30.00	7.96	QP
2	250.008	22.79	2.42	0.92	26.13	37.00	10.87	QP
3	284.682	25.43	2.61	2.56	30.59	37.00	6.41	QP
4	361.684	15.41	2.96	11.45	29.81	37.00	7.19	QP
5	448.182	17.12	3.33	6.71	27.17	37.00	9.83	QP
6	480.003	17.92	3.47	9.35	30.74	37.00	6.26 *	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 is detected at 480.003MHz with corrected signal level of 30.74dBuV/m (limit is 37.00dBuV/m) when the antenna is at horizontal polarization and is at 2.3m high and the turn table is at 220°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



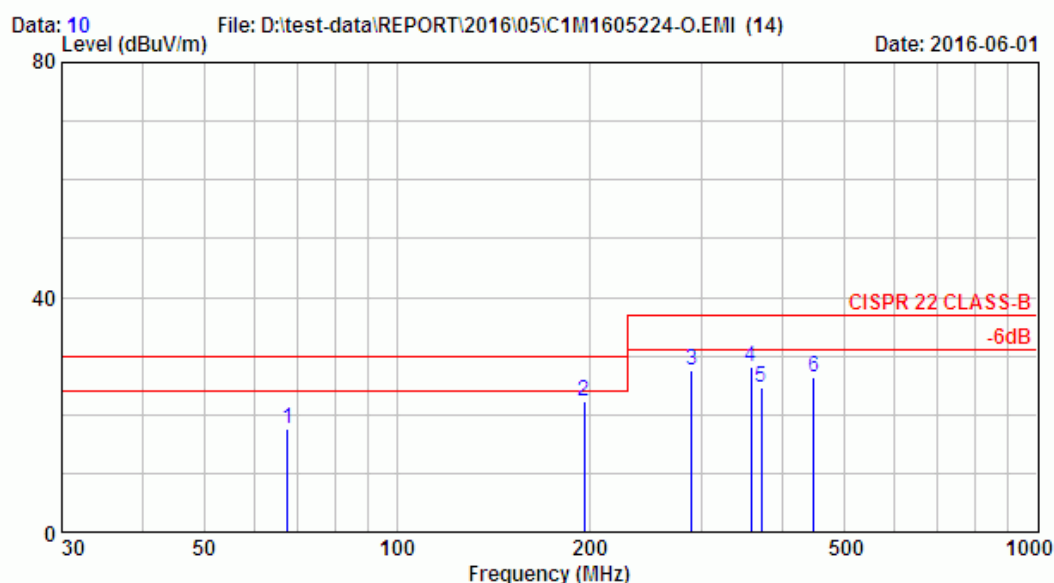
Site no. : OATS No. 6 Data no. : 1
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 325SFNw
Power Rating : 120Vac / 60Hz
Test Mode : USB Print + WiFi Scan

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	36.012	18.44	0.80	2.10	21.34	30.00	8.66	QP
2	181.533	19.27	2.02	1.36	22.65	30.00	7.35	QP
3	383.075	15.60	3.05	6.01	24.67	37.00	12.33	QP
4	452.656	17.24	3.35	5.78	26.38	37.00	10.62	QP
5	480.007	17.92	3.47	9.81	31.20	37.00	5.80*	QP
6	750.006	22.52	4.46	2.31	29.29	37.00	7.71	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 is detected at 480.007MHz with corrected signal level of 31.20dBuV/m (limit is 37.00dBuV/m) when the antenna is at vertical polarization and is at 1.3m high and the turn table is at 170°.
4. 0°was the table front facing the antenna. Degree is calculated from 0°clockwise facing the antenna.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



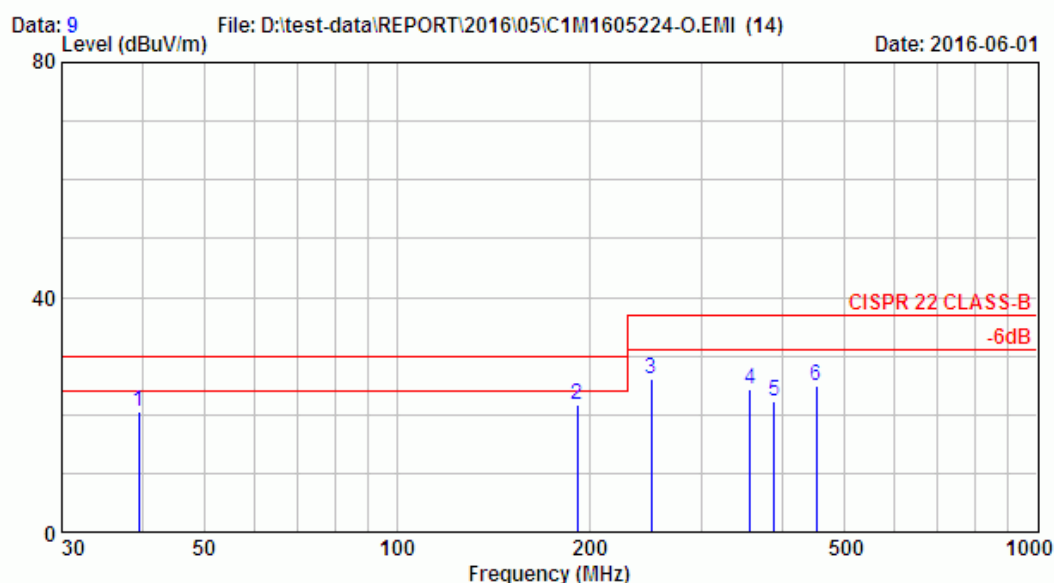
Site no. : OATS No. 6 Data no. : 10
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : NIC Print + Scan to USB Memory

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	67.649	15.24	1.13	1.19	17.55	30.00	12.45	QP
2	196.054	20.53	2.11	-0.51	22.13	30.00	7.87	QP
3	289.288	25.69	2.63	-0.66	27.65	37.00	9.35	QP
4	357.174	15.35	2.94	9.74	28.04	37.00	8.96	QP
5	371.603	15.51	3.01	6.15	24.66	37.00	12.34	QP
6	448.066	17.12	3.33	5.78	26.24	37.00	10.76	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



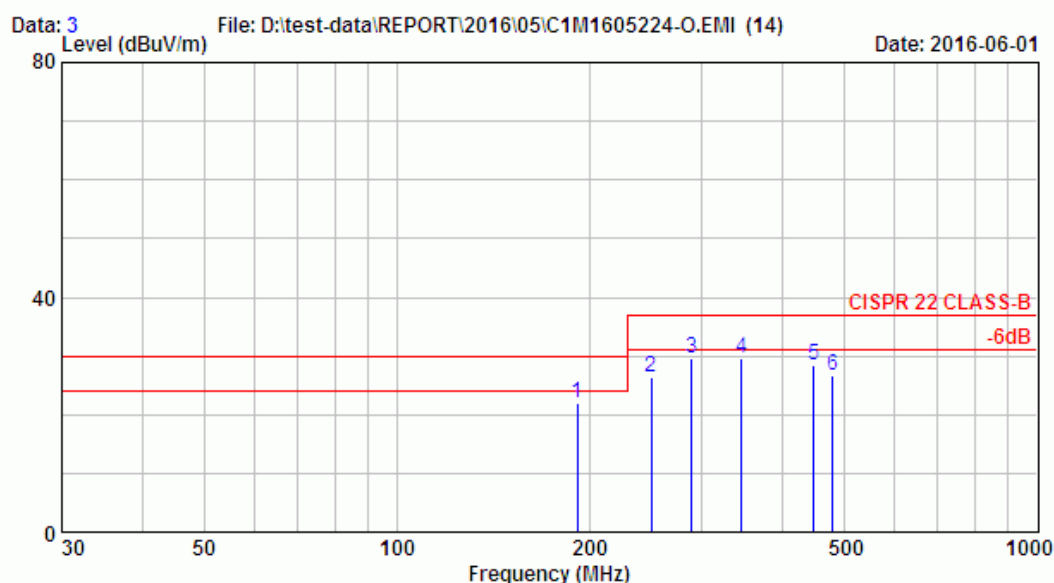
Site no. : OATS No. 6 Data no. : 9
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : NIC Print + Scan to USB Memory

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	39.578	18.39	0.85	1.34	20.58	30.00	9.42	QP
2	191.713	20.17	2.09	-0.44	21.82	30.00	8.18	QP
3	250.006	22.79	2.42	0.92	26.13	37.00	10.87	QP
4	356.339	15.35	2.94	6.07	24.37	37.00	12.63	QP
5	389.001	15.66	3.08	3.41	22.15	37.00	14.85	QP
6	452.784	17.24	3.35	4.29	24.88	37.00	12.12	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



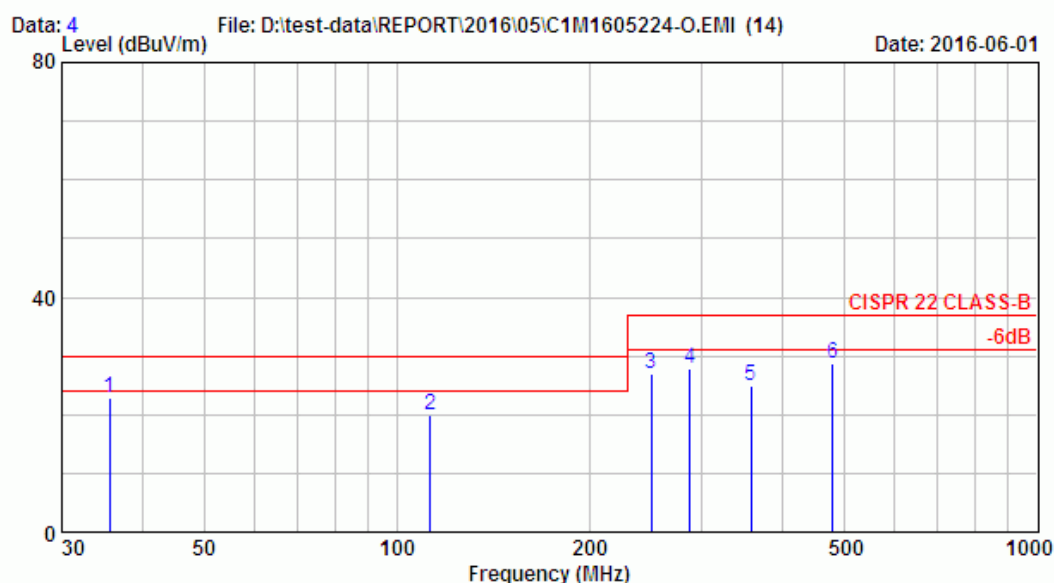
Site no. : OATS No. 6 Data no. : 3
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : WiFi Print + USB Scan

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	191.560	20.17	2.09	-0.37	21.89	30.00	8.11	QP
2	250.006	22.79	2.42	1.31	26.52	37.00	10.48	QP
3	289.181	25.69	2.63	1.14	29.46	37.00	7.54	QP
4	345.680	15.23	2.89	11.44	29.56	37.00	7.44	QP
5	448.510	17.12	3.33	7.87	28.33	37.00	8.67	QP
6	480.005	17.92	3.47	5.20	26.59	37.00	10.41	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



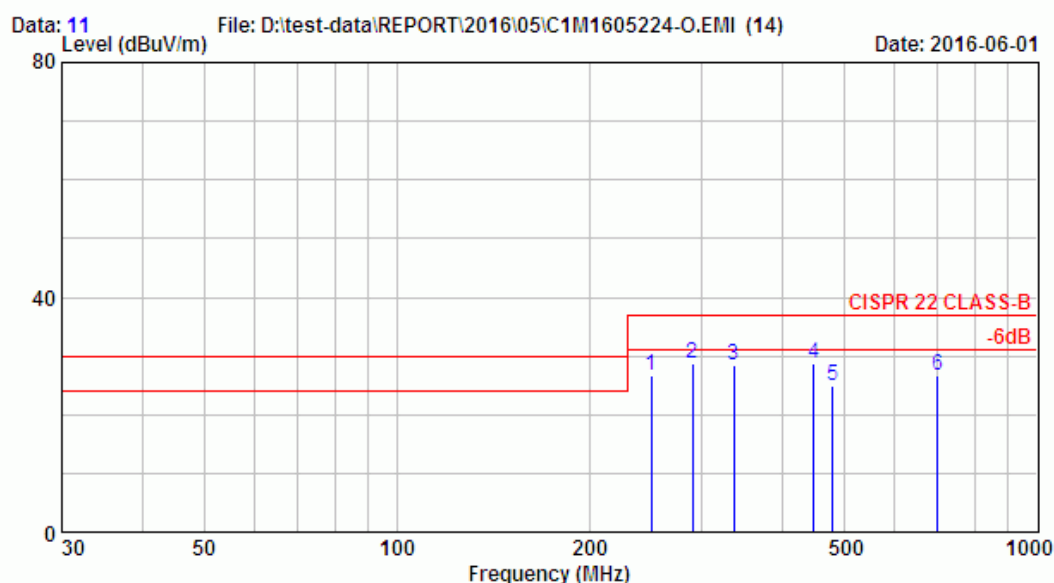
Site no. : OATS No. 6 Data no. : 4
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : WiFi Print + USB Scan

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	35.589	18.44	0.80	3.55	22.79	30.00	7.21	QP
2	112.724	16.49	1.52	1.95	19.96	30.00	10.04	QP
3	250.004	22.79	2.42	1.72	26.93	37.00	10.07	QP
4	286.885	25.56	2.62	-0.40	27.77	37.00	9.23	QP
5	357.238	15.35	2.94	6.51	24.80	37.00	12.20	QP
6	480.005	17.92	3.47	7.24	28.63	37.00	8.37	QP

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



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou, Dist., New Taipei
 City, 244 Taiwan, R.O.C.
 Tel:+886-2-26092133 Fax:+886-2-26099303
 Email:emc@audixtech.com



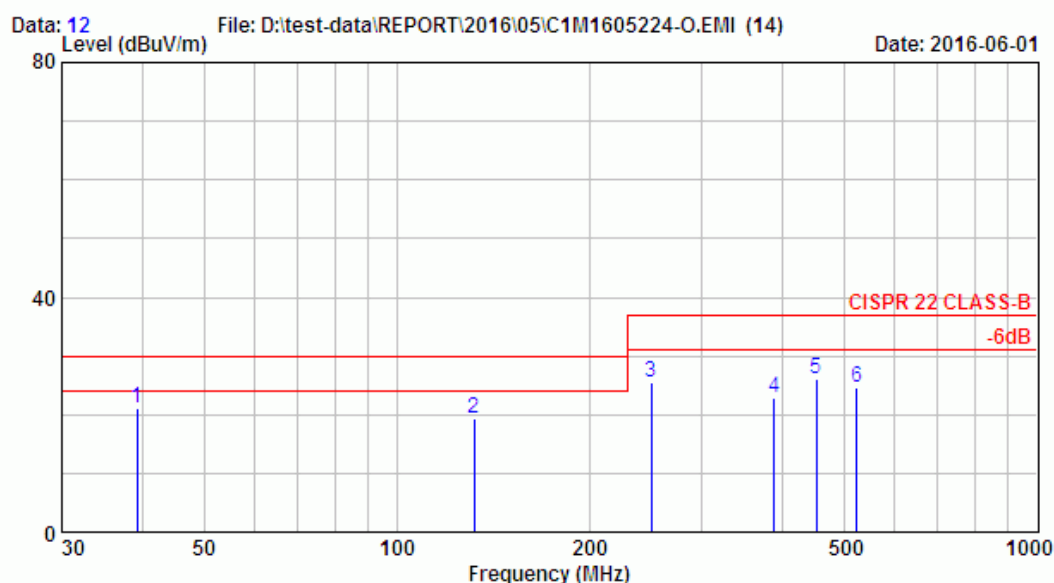
Site no. : OATS No. 6 Data no. : 11
 Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
 EUT : SP 325SFNw
 Power Rating : 120Vac / 60Hz
 Test Mode : FAX-TX

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	250.006	22.79	2.42	1.45	26.66	37.00	10.34	QP
2	289.934	25.76	2.63	0.40	28.79	37.00	8.21	QP
3	336.137	15.13	2.85	10.45	28.43	37.00	8.57	QP
4	448.756	17.12	3.33	8.37	28.83	37.00	8.17	QP
5	480.006	17.92	3.47	3.48	24.87	37.00	12.13	QP
6	699.777	21.94	4.28	0.40	26.62	37.00	10.38	QP

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



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou, Dist., New Taipei
 City, 244 Taiwan, R.O.C.
 Tel:+886-2-26092133 Fax:+886-2-26099303
 Email:emc@audixtech.com



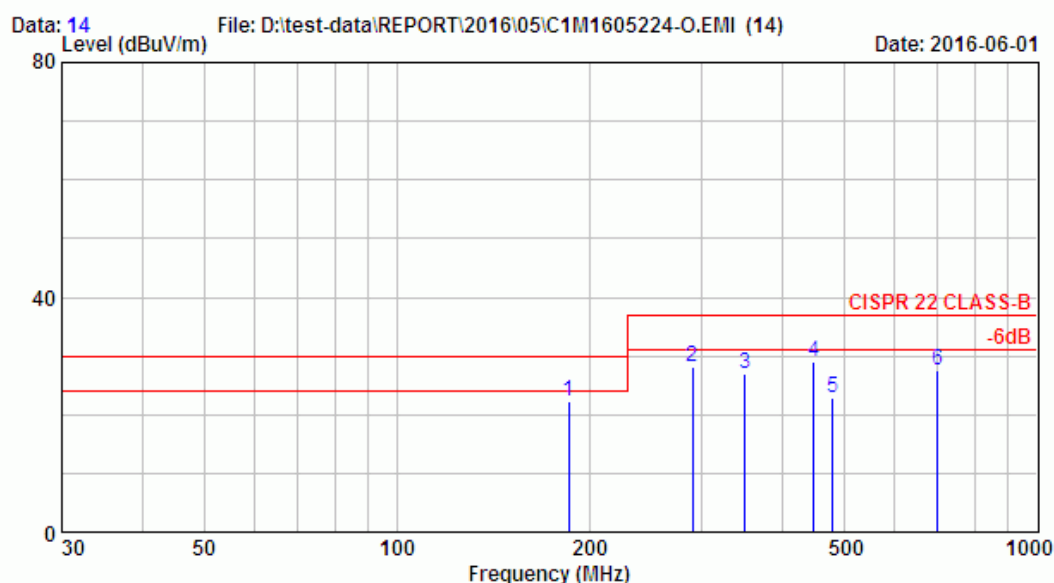
Site no. : OATS No. 6 Data no. : 12
 Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
 Limit : CISPR 22 CLASS-B
 Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
 EUT : SP 325SFNw
 Power Rating : 120Vac / 60Hz
 Test Mode : FAX-TX

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	39.310	18.40	0.84	1.84	21.08	30.00	8.92	QP
2	132.044	17.53	1.67	0.08	19.28	30.00	10.72	QP
3	250.002	22.79	2.42	0.42	25.63	37.00	11.37	QP
4	389.293	15.66	3.08	4.15	22.89	37.00	14.11	QP
5	452.765	17.24	3.35	5.58	26.18	37.00	10.82	QP
6	522.840	18.71	3.64	2.26	24.61	37.00	12.39	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



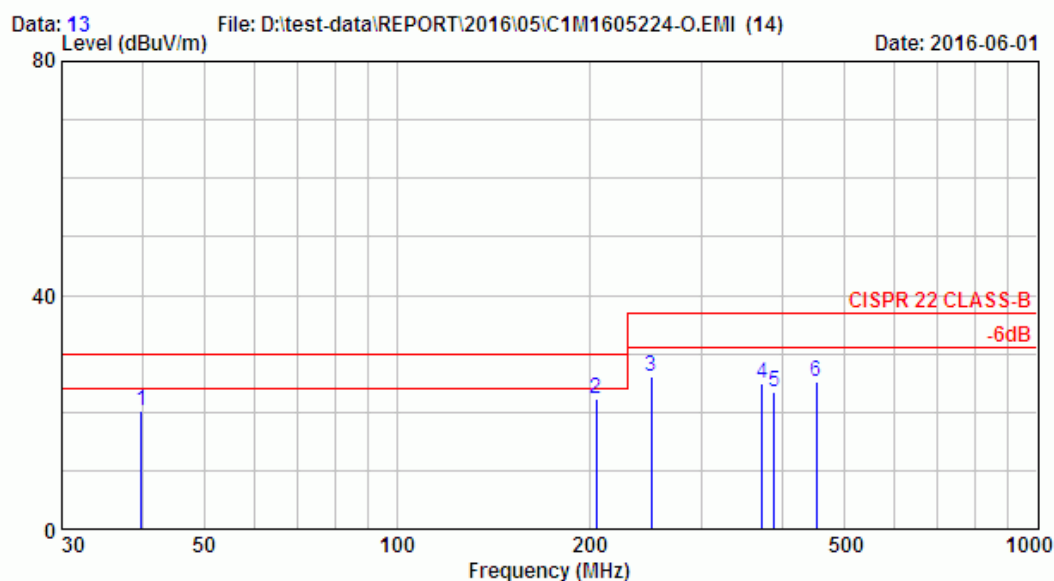
Site no. : OATS No. 6 Data no. : 14
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : FAX-RX

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	185.951	19.66	2.05	0.50	22.22	30.00	7.78	QP
2	289.859	25.76	2.63	-0.19	28.19	37.00	8.81	QP
3	350.084	15.28	2.92	8.84	27.03	37.00	9.97	QP
4	448.283	17.12	3.33	8.44	28.89	37.00	8.11	QP
5	480.007	17.92	3.47	1.54	22.93	37.00	14.07	QP
6	699.838	21.94	4.28	1.20	27.42	37.00	9.58	QP

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



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou, Dist., New Taipei
City, 244 Taiwan, R.O.C.
Tel:+886-2-26092133 Fax:+886-2-26099303
Email:emc@audixtech.com



Site no. : OATS No. 6 Data no. : 13
Dis. / Ant. : 10m MCTD 0286/2856 08/10 Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 21°C / 57% ESCS 30 (339) Engineer : Joey
EUT : SP 3258FNw
Power Rating : 120Vac / 60Hz
Test Mode : FAX-RX

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	39.961	18.39	0.85	1.06	20.30	30.00	9.70	QP
2	205.092	21.10	2.17	-0.88	22.39	30.00	7.61	QP
3	250.010	22.79	2.42	0.89	26.10	37.00	10.90	QP
4	371.809	15.51	3.01	6.44	24.95	37.00	12.05	QP
5	389.373	15.66	3.08	4.78	23.52	37.00	13.48	QP
6	452.397	17.24	3.35	4.61	25.21	37.00	11.79	QP

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

5.6.2. Above 1GHz Frequency Range Radiated Emission Measurement Results at Semi-Anechoic Chamber

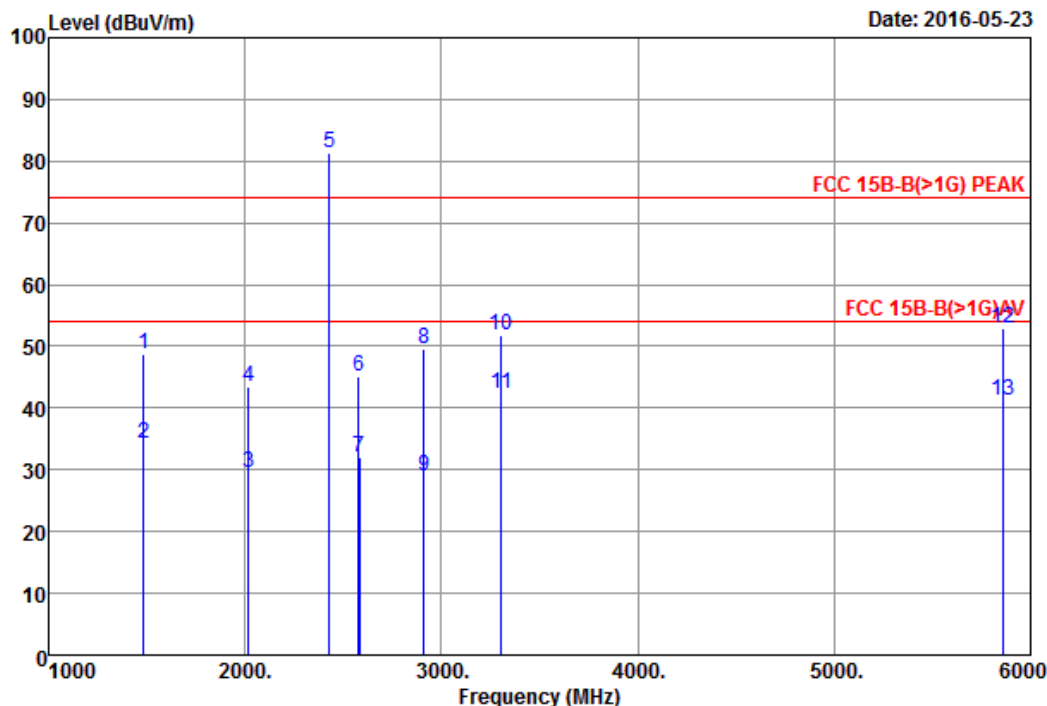


AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 8

File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME

Date: 2016-05-23



Site no. : Audix No.2 Chamber Data no. : 8
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FIW
Power Rating : 120Vac/60Hz
Test Mode : STANDBY

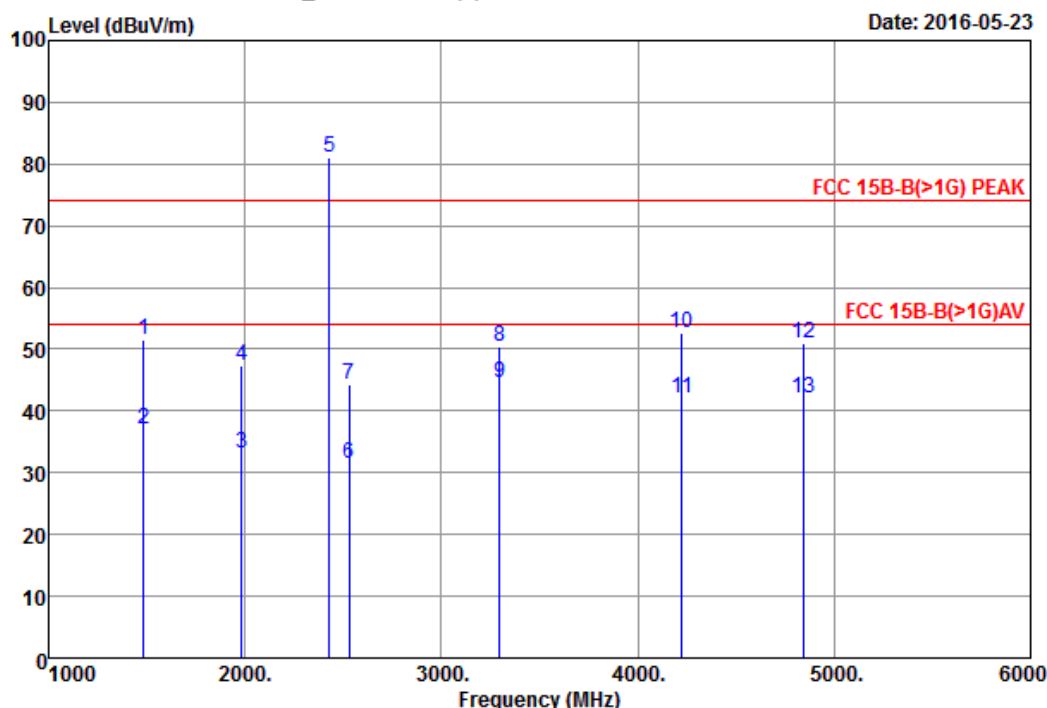
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	53.02	48.86	73.98	25.12	Peak
2	1485.21	25.89	5.77	35.82	38.44	34.28	53.98	19.70	Average
3	2019.46	28.32	7.47	35.25	29.11	29.65	53.98	24.33	Average
4	2020.00	28.32	7.47	35.25	42.99	43.53	73.98	30.45	Peak
@ 5	2430.00	28.65	7.88	35.10	79.77	81.20			
6	2580.00	29.05	8.05	35.08	43.13	45.15	73.98	28.83	Peak
7	2581.16	29.05	8.05	35.08	29.96	31.98	53.98	22.00	Average
8	2912.00	30.38	8.40	35.05	45.91	49.64	73.98	24.34	Peak
9	2912.10	30.38	8.40	35.05	25.15	28.88	53.98	25.10	Average
10	3304.00	31.26	8.86	34.83	46.48	51.77	73.98	22.21	Peak
11	3304.22	31.28	8.86	34.83	37.07	42.38	53.98	11.60	Average
12	5861.00	34.47	11.31	34.22	41.23	52.79	73.98	21.19	Peak
13	5861.75	34.47	11.31	34.22	29.70	41.26	53.98	12.72	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 7 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 7
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FW
 Power Rating : 120Vac/60Hz
 Test Mode : STANDBY

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	55.69	51.53	73.98	22.45	Peak
2	1485.56	25.89	5.77	35.82	41.19	37.03	53.98	16.95	Average
3	1984.36	28.23	7.41	35.28	32.74	33.10	53.98	20.88	Average
@ 4	1985.00	28.23	7.41	35.28	46.88	47.24	73.98	26.74	Peak
5	2430.00	28.65	7.88	35.10	79.72	81.15			
6	2529.37	28.83	7.99	35.08	29.63	31.37	53.98	22.61	Average
7	2530.00	28.83	7.99	35.08	42.64	44.38	73.98	29.60	Peak
8	3298.00	31.26	8.85	34.84	45.07	50.34	73.98	23.64	Peak
9	3298.59	31.26	8.86	34.84	39.41	44.69	53.98	9.29	Average
10	4222.00	32.70	10.21	34.46	44.23	52.68	73.98	21.30	Peak
11	4222.88	32.70	10.21	34.46	33.67	42.12	53.98	11.86	Average
12	4846.00	33.47	10.96	34.33	41.00	51.10	73.98	22.88	Peak
13	4846.84	33.47	10.96	34.33	31.97	42.07	53.98	11.91	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.

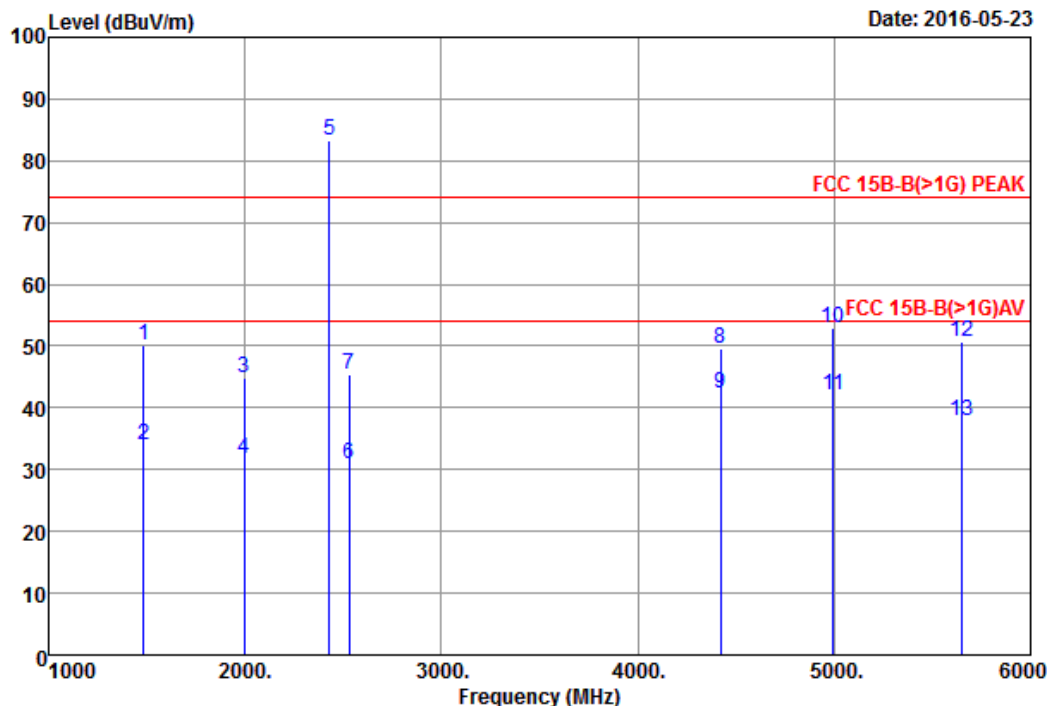


AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 6

File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME

Date: 2016-05-23



Site no. : Audix No.2 Chamber Data no. : 6
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FIW
 Power Rating : 120Vac/60Hz
 Test Mode : COPY+NIC PING

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	54.29	50.13	73.98	23.85	Peak
2	1485.30	25.89	5.77	35.82	38.18	34.02	53.98	19.96	Average
3	1995.00	28.28	7.44	35.27	44.38	44.83	73.98	29.15	Peak
4	1996.84	28.28	7.45	35.27	31.39	31.85	53.98	22.13	Average
@ 5	2430.00	28.65	7.88	35.10	81.77	83.20			
6	2529.47	28.83	7.99	35.08	29.19	30.93	53.98	23.05	Average
7	2530.00	28.83	7.99	35.08	43.79	45.53	73.98	28.45	Peak
8	4421.00	32.70	10.38	34.46	40.86	49.48	73.98	24.50	Peak
9	4421.40	32.70	10.38	34.46	33.65	42.27	53.98	11.71	Average
10	4994.00	33.77	11.18	34.28	42.14	52.81	73.98	21.17	Peak
11	4994.11	33.77	11.18	34.28	31.47	42.14	53.98	11.84	Average
12	5652.00	34.43	11.28	34.19	39.18	50.70	73.98	23.28	Peak
13	5652.28	34.43	11.28	34.19	26.36	37.88	53.98	16.10	Average

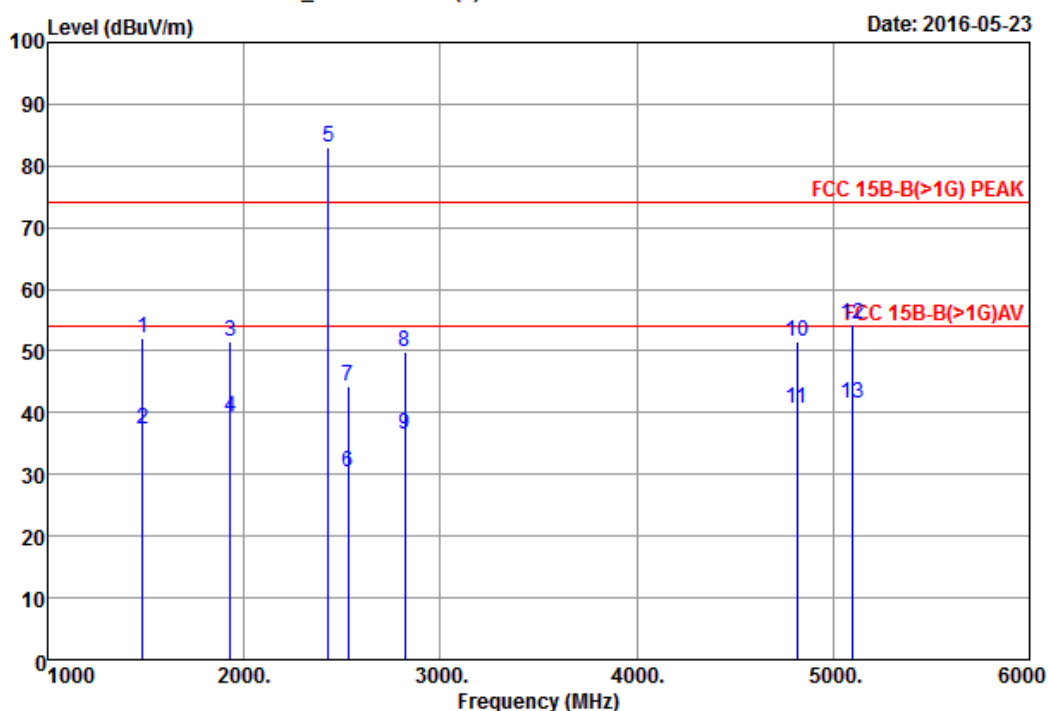
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 5 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\1M1605XXX\1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 5
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FWW
Power Rating : 120Vac/60Hz
Test Mode : COPY+NIC PING

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	56.26	52.10	73.98	21.88	Peak
2	1485.15	25.89	5.77	35.82	41.61	37.45	53.98	16.53	Average
3	1930.00	27.99	7.22	35.33	51.57	51.45	73.98	22.53	Peak
4	1930.44	28.01	7.22	35.33	39.49	39.39	53.98	14.59	Average
@ 5	2430.00	28.65	7.88	35.10	81.69	83.12			
6	2529.23	28.83	7.99	35.08	28.60	30.34	53.98	23.64	Average
7	2530.00	28.83	7.99	35.08	42.67	44.41	73.98	29.57	Peak
8	2818.00	30.00	8.30	35.06	46.60	49.84	73.98	24.14	Peak
9	2818.24	30.00	8.30	35.06	33.15	36.39	53.98	17.59	Average
10	4816.00	33.41	10.92	34.34	41.48	51.47	73.98	22.51	Peak
11	4816.56	33.41	10.92	34.34	30.71	40.70	53.98	13.28	Average
12	5100.00	33.93	11.20	34.26	43.53	54.40	73.98	19.58	Peak
13	5100.35	33.93	11.20	34.26	30.76	41.63	53.98	12.35	Average

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

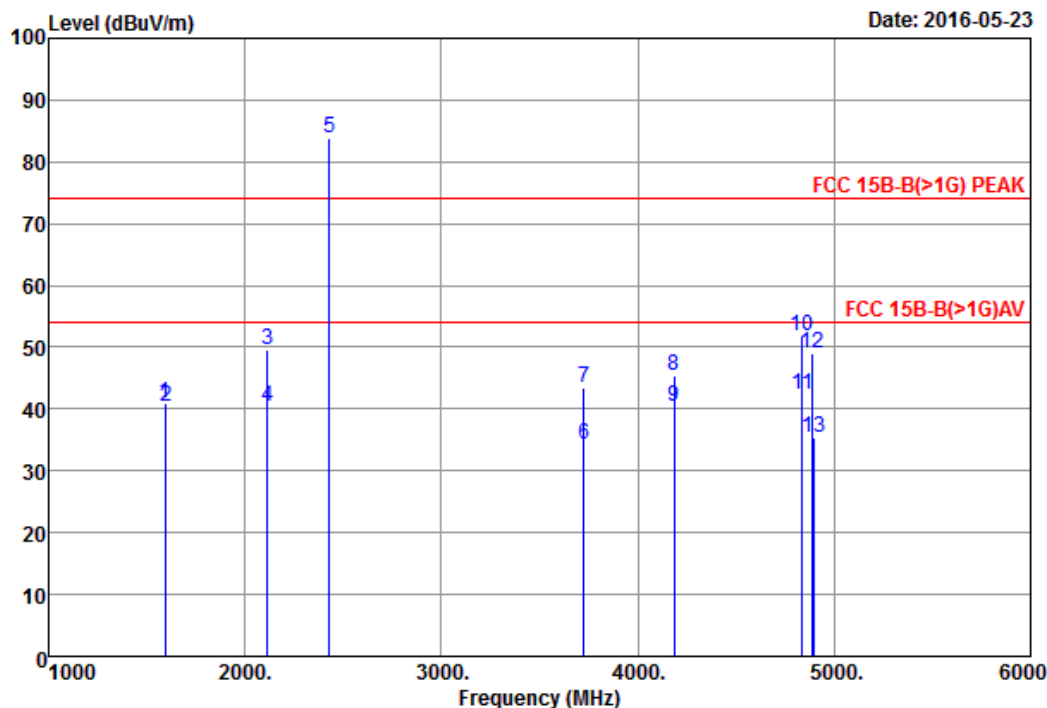
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 2 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME

Date: 2016-05-23



Site no. : Audix No.2 Chamber Data no. : 2
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FWW
Power Rating : 120Vac/60Hz
Test Mode : USB Print+WiFi Scan

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	
1	1595.00	26.43	6.12	35.68	44.11	40.98	73.98	33.00	Peak
2	1596.89	26.43	6.14	35.68	43.54	40.43	53.98	13.55	Average
3	2115.00	28.40	7.56	35.22	48.96	49.70	73.98	24.28	Peak
4	2115.75	28.40	7.56	35.22	39.72	40.46	53.98	13.52	Average
@ 5	2430.00	28.65	7.88	35.10	82.42	83.85			
6	3724.47	32.11	9.52	34.59	27.26	34.30	53.98	19.68	Average
7	3725.00	32.11	9.52	34.59	36.39	43.43	73.98	30.55	Peak
8	4185.00	32.70	10.17	34.46	37.03	45.44	73.98	28.54	Peak
9	4185.78	32.70	10.17	34.46	32.04	40.45	53.98	13.53	Average
10	4838.00	33.44	10.96	34.34	41.83	51.89	73.98	22.09	Peak
11	4838.83	33.44	10.96	34.34	32.15	42.21	53.98	11.77	Average
12	4890.00	33.56	11.03	34.32	38.77	49.04	73.98	24.94	Peak
13	4893.22	33.56	11.03	34.31	25.22	35.50	53.98	18.48	Average

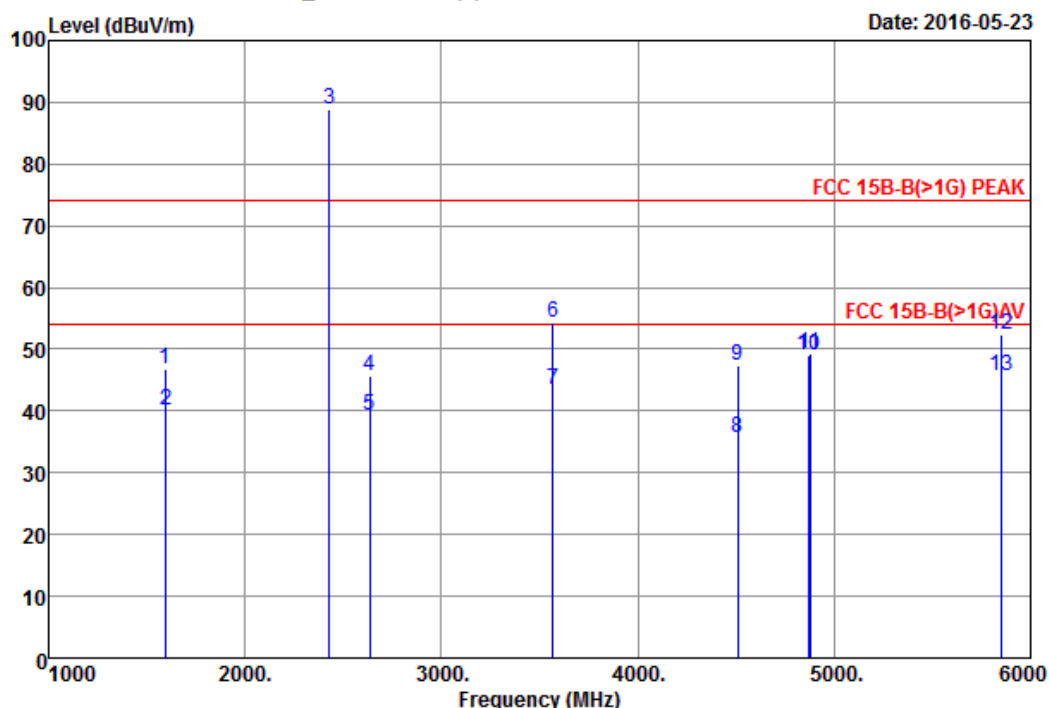
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 1 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 1
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FW
 Power Rating : 120Vac/60Hz
 Test Mode : USB Print+WiFi Scan

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1595.00	26.43	6.12	35.68	49.96	46.83	73.98	27.15	Peak
2	1596.82	26.43	6.14	35.68	43.10	39.99	53.98	13.99	Average
@ 3	2430.00	28.65	7.88	35.10	87.36	88.79			
4	2634.00	29.27	8.10	35.07	43.27	45.57	73.98	28.41	Peak
5	2634.80	29.27	8.10	35.07	37.11	39.41	53.98	14.57	Average
6	3566.00	31.76	9.22	34.67	48.14	54.45	73.98	19.53	Peak
7	3566.67	31.76	9.22	34.67	37.25	43.56	53.98	10.42	Average
8	4507.42	32.73	10.46	34.46	26.83	35.56	53.98	18.42	Average
9	4510.00	32.73	10.46	34.45	38.55	47.29	73.98	26.69	Peak
10	4874.76	33.53	10.99	34.32	38.83	49.03	53.98	4.95	Average
11	4875.00	33.53	10.99	34.32	39.14	49.34	73.98	24.64	Peak
12	5849.00	34.47	11.31	34.22	40.71	52.27	73.98	21.71	Peak
13	5849.88	34.47	11.31	34.22	34.18	45.74	53.98	8.24	Average

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

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.

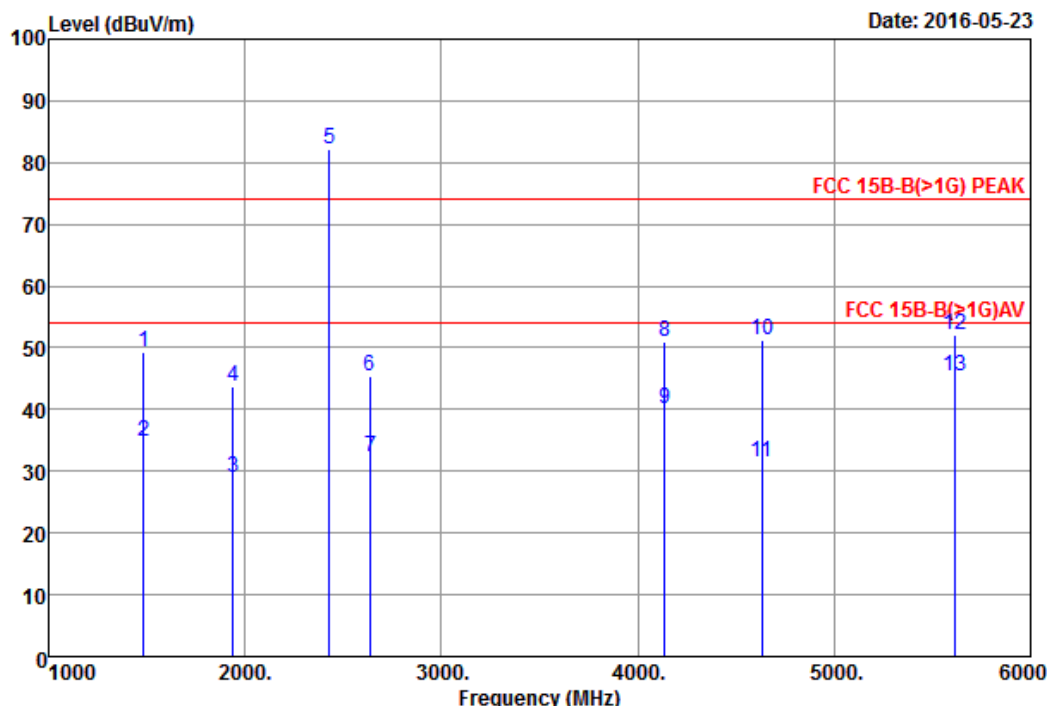


AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 10

File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME

Date: 2016-05-23



Site no. : Audix No.2 Chamber Data no. : 10
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FIW
 Power Rating : 120Vac/60Hz
 Test Mode : NIC PRINT+SCAN TO USB MEMORY

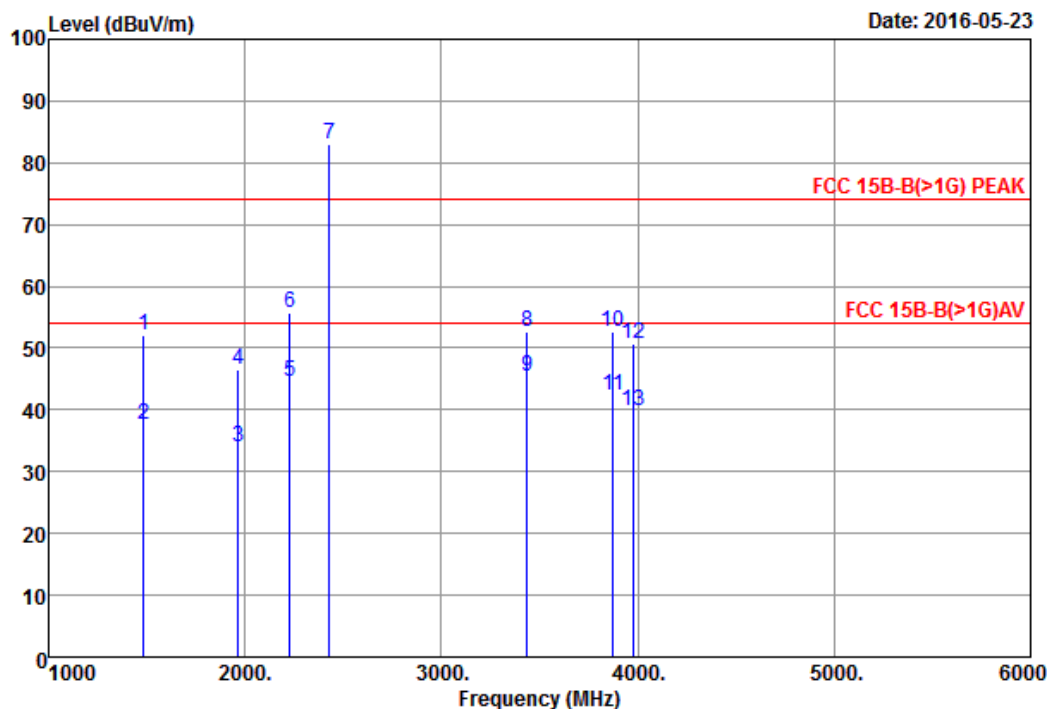
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	53.59	49.43	73.98	24.55	Peak
2	1485.14	25.89	5.77	35.82	38.85	34.69	53.98	19.29	Average
3	1938.58	28.04	7.24	35.32	29.09	29.05	53.98	24.93	Average
4	1940.00	28.04	7.26	35.32	43.77	43.75	73.98	30.23	Peak
@ 5	2430.00	28.65	7.88	35.10	80.80	82.23			
6	2635.00	29.27	8.10	35.07	43.10	45.40	73.98	28.58	Peak
7	2637.60	29.30	8.10	35.07	29.90	32.23	53.98	21.75	Average
8	4135.00	32.70	10.13	34.46	42.73	51.10	73.98	22.88	Peak
9	4135.76	32.70	10.13	34.46	31.88	40.25	53.98	13.73	Average
10	4631.00	33.00	10.62	34.41	41.95	51.16	73.98	22.82	Peak
11	4631.98	33.00	10.62	34.41	22.19	31.40	53.98	22.58	Average
12	5611.00	34.42	11.28	34.18	40.46	51.98	73.98	22.00	Peak
13	5611.30	34.42	11.28	34.18	33.83	45.35	53.98	8.63	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.
 3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 9 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 9
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FHW
 Power Rating : 120Vac/60Hz
 Test Mode : NIC PRINT+SCAN TO USB MEMORY

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	56.25	52.09	73.98	21.89	Peak
2	1485.24	25.89	5.77	35.82	41.79	37.63	53.98	16.35	Average
3	1963.87	28.16	7.32	35.30	33.74	33.92	53.98	20.06	Average
4	1965.00	28.16	7.34	35.30	46.23	46.43	73.98	27.55	Peak
5	2227.51	28.49	7.67	35.18	43.57	44.55	53.98	9.43	Average
6	2230.00	28.49	7.68	35.17	54.80	55.80	73.98	18.18	Peak
@ 7	2430.00	28.65	7.88	35.10	81.53	82.96			
8	3435.00	31.50	9.01	34.75	46.79	52.55	73.98	21.43	Peak
9	3435.20	31.50	9.01	34.75	39.57	45.33	53.98	8.65	Average
10	3872.00	32.42	9.79	34.52	44.97	52.66	73.98	21.32	Peak
11	3872.40	32.42	9.79	34.52	34.54	42.23	53.98	11.75	Average
12	3977.00	32.65	9.98	34.47	42.62	50.78	73.98	23.20	Peak
13	3977.89	32.65	9.98	34.47	31.60	39.76	53.98	14.22	Average

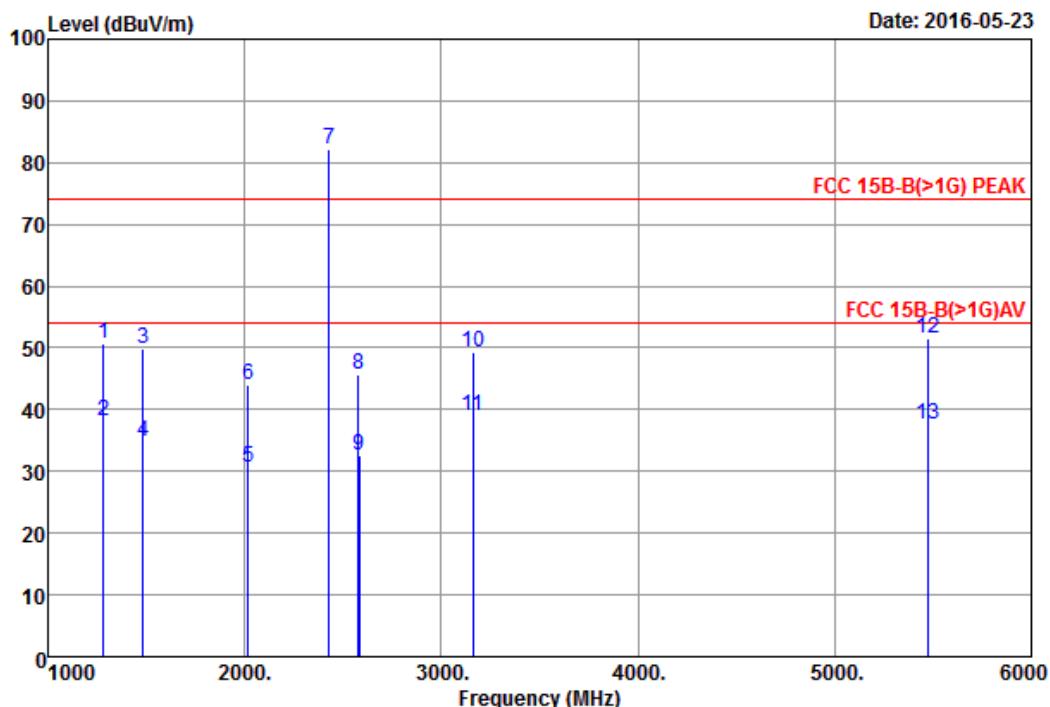
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 4 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 4
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FW
Power Rating : 120Vac/60Hz
Test Mode : WIFI PRINT+USB SCAN

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1282.00	25.63	5.22	36.21	56.17	50.81	73.98	23.17	Peak
2	1282.12	25.63	5.22	36.21	43.44	38.08	53.98	15.90	Average
3	1485.00	25.89	5.77	35.82	53.88	49.72	73.98	24.26	Peak
4	1485.34	25.89	5.77	35.82	38.99	34.83	53.98	19.15	Average
5	2019.84	28.32	7.47	35.25	30.14	30.68	53.98	23.30	Average
6	2020.00	28.32	7.47	35.25	43.35	43.89	73.98	30.09	Peak
@ 7	2430.00	28.65	7.88	35.10	80.61	82.04			
8	2580.00	29.05	8.05	35.08	43.57	45.59	73.98	28.39	Peak
9	2582.16	29.05	8.05	35.08	30.50	32.52	53.98	21.46	Average
10	3159.00	31.01	8.68	34.93	44.67	49.43	73.98	24.55	Peak
11	3159.19	31.01	8.68	34.93	34.33	39.09	53.98	14.89	Average
12	5477.00	34.36	11.25	34.16	40.05	51.50	73.98	22.48	Peak
13	5477.75	34.36	11.25	34.16	26.17	37.62	53.98	16.36	Average

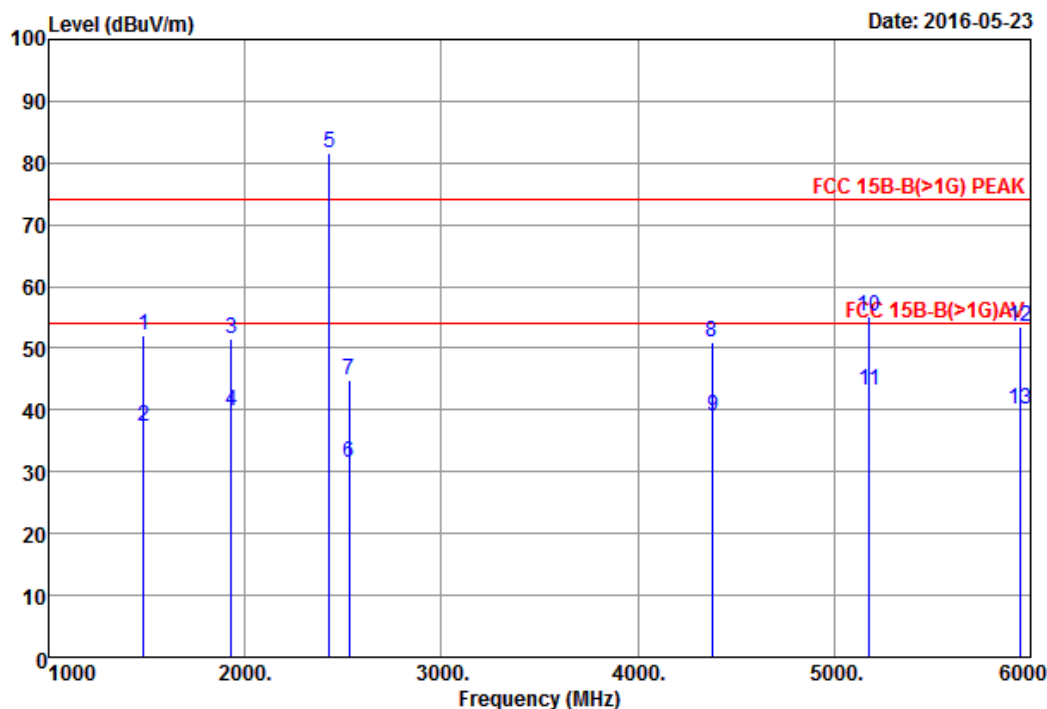
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 3 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 3
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FINW
Power Rating : 120Vac/60Hz
Test Mode : WIFI PRINT+USB SCAN

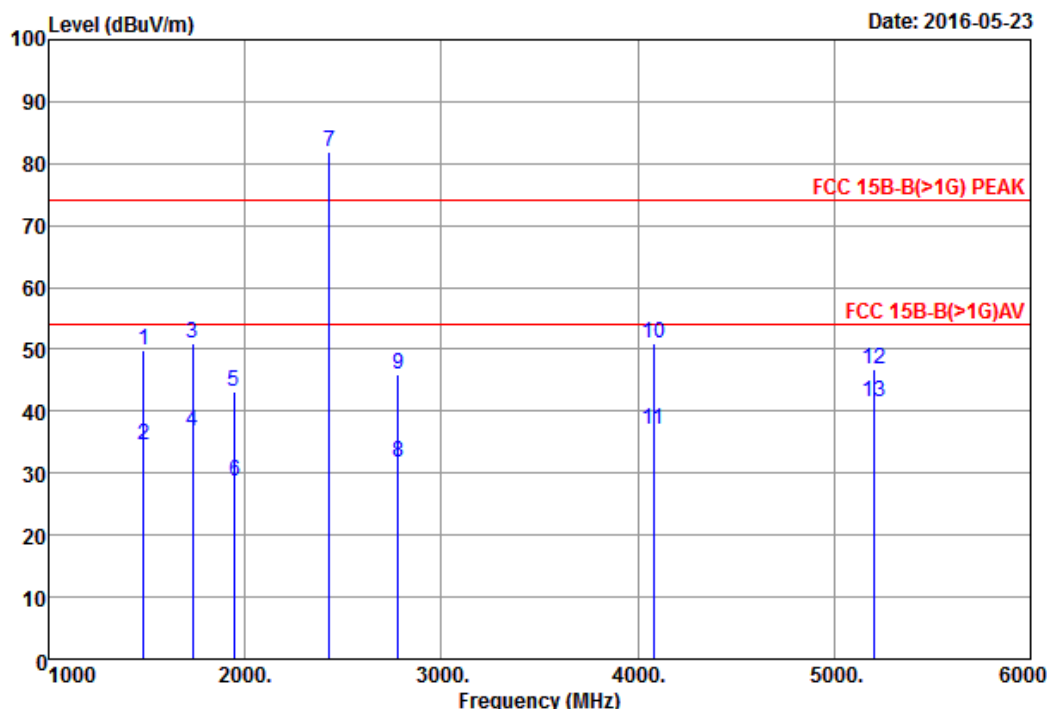
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	56.19	52.03	73.98	21.95	Peak
2	1485.12	25.89	5.77	35.82	41.51	37.35	53.98	16.63	Average
3	1930.00	27.99	7.22	35.33	51.71	51.59	73.98	22.39	Peak
4	1930.50	28.01	7.22	35.33	40.05	39.95	53.98	14.03	Average
@ 5	2430.00	28.65	7.88	35.10	80.30	81.73			
6	2529.42	28.83	7.99	35.08	29.84	31.58	53.98	22.40	Average
7	2530.00	28.83	7.99	35.08	43.17	44.91	73.98	29.07	Peak
8	4380.00	32.70	10.34	34.46	42.38	50.96	73.98	23.02	Peak
9	4380.86	32.70	10.34	34.46	30.30	38.88	53.98	15.10	Average
10	5180.00	34.02	11.21	34.23	44.27	55.27	73.98	18.71	Peak
11	5180.85	34.02	11.21	34.23	32.28	43.28	53.98	10.70	Average
12	5944.00	34.49	11.32	34.23	41.77	53.35	73.98	20.63	Peak
13	5944.48	34.49	11.32	34.23	28.42	40.00	53.98	13.98	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 12 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 12
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FIW
Power Rating : 120Vac/60Hz
Test Mode : FAX-TX

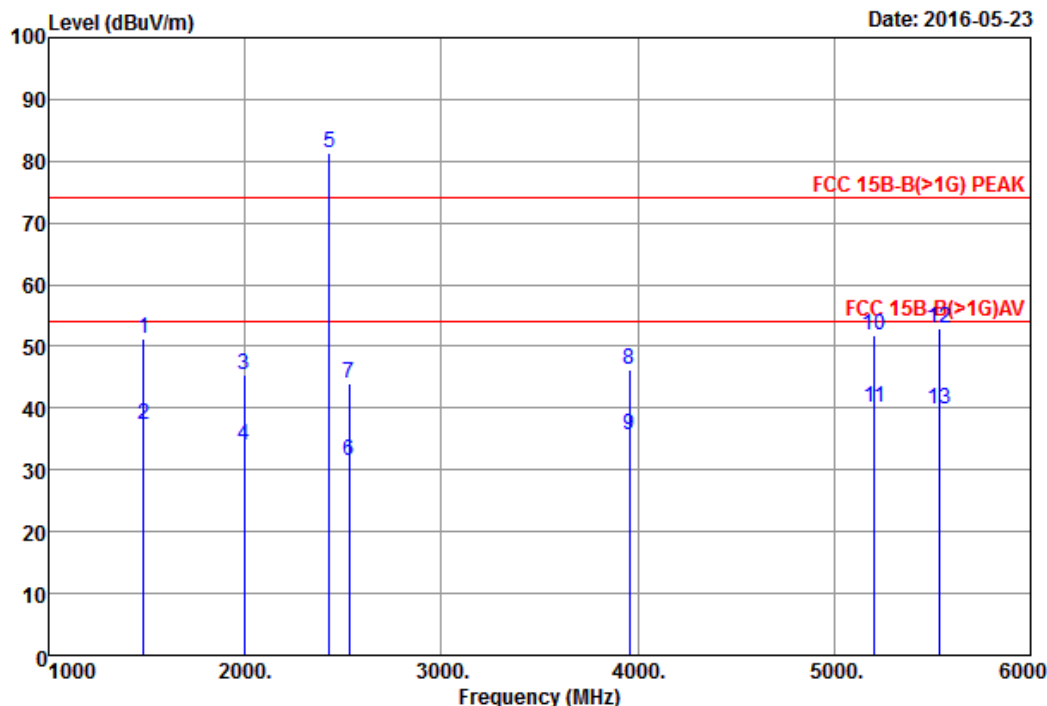
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	53.99	49.83	73.98	24.15	Peak
2	1485.11	25.89	5.77	35.82	38.77	34.61	53.98	19.37	Average
3	1732.00	27.10	6.59	35.53	52.95	51.11	73.98	22.87	Peak
4	1732.39	27.10	6.59	35.53	38.49	36.65	53.98	17.33	Average
5	1945.00	28.06	7.26	35.31	43.18	43.19	73.98	30.79	Peak
6	1947.50	28.08	7.28	35.31	28.76	28.81	53.98	25.17	Average
@ 7	2430.00	28.65	7.88	35.10	80.38	81.81			
8	2779.35	29.87	8.26	35.06	28.80	31.87	53.98	22.11	Average
9	2780.00	29.87	8.26	35.06	42.89	45.96	73.98	28.02	Peak
10	4079.00	32.70	10.08	34.46	42.67	50.99	73.98	22.99	Peak
11	4079.41	32.70	10.08	34.46	28.86	37.18	53.98	16.80	Average
12	5207.00	34.05	11.21	34.23	35.81	46.84	73.98	27.14	Peak
13	5207.52	34.05	11.21	34.23	30.55	41.58	53.98	12.40	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 11 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 11
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 3255FWW
Power Rating : 120Vac/60Hz
Test Mode : FAX-TX

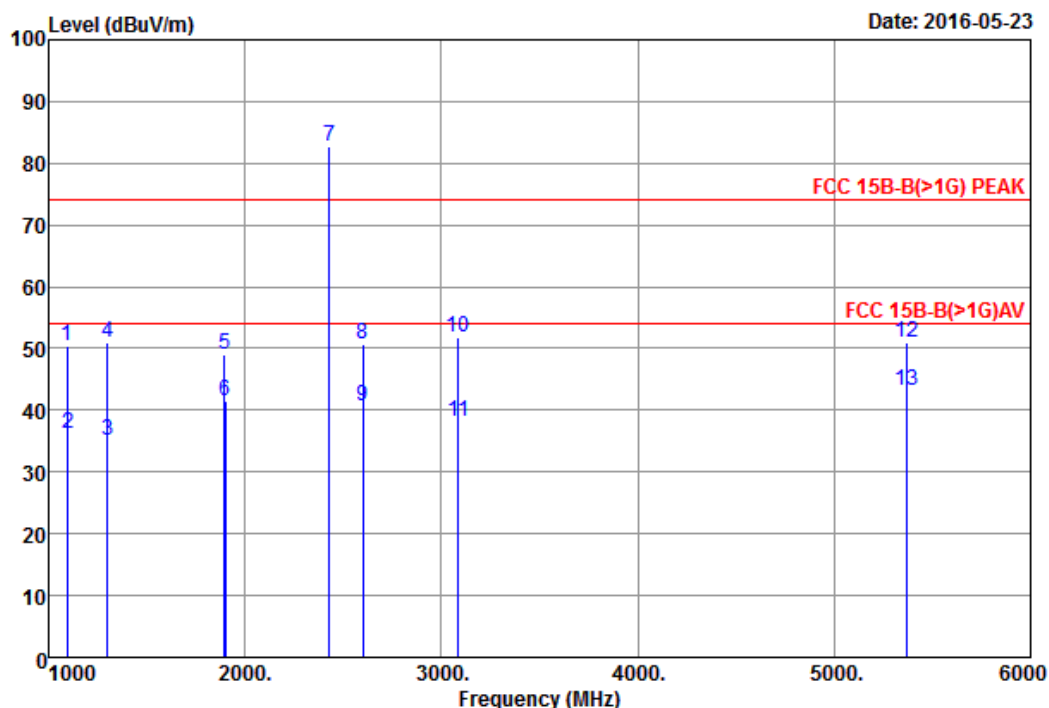
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1485.00	25.89	5.77	35.82	55.44	51.28	73.98	22.70	Peak
2	1485.37	25.89	5.77	35.82	41.54	37.38	53.98	16.60	Average
3	1995.00	28.28	7.44	35.27	45.05	45.50	73.98	28.48	Peak
4	1997.04	28.28	7.45	35.27	33.48	33.94	53.98	20.04	Average
@ 5	2430.00	28.65	7.88	35.10	79.80	81.23			
6	2529.85	28.83	7.99	35.08	29.65	31.39	53.98	22.59	Average
7	2530.00	28.83	7.99	35.08	42.13	43.87	73.98	30.11	Peak
8	3957.00	32.61	9.95	34.48	38.03	46.11	73.98	27.87	Peak
9	3957.29	32.61	9.95	34.48	27.50	35.58	53.98	18.40	Average
10	5204.00	34.05	11.21	34.23	40.84	51.87	73.98	22.11	Peak
11	5204.96	34.05	11.21	34.23	29.06	40.09	53.98	13.89	Average
12	5534.00	34.41	11.26	34.17	41.52	53.02	73.98	20.96	Peak
13	5534.35	34.41	11.26	34.17	28.41	39.91	53.98	14.07	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Preamp Gain + Reading.
2. The emission levels that are 20dB below the official limit are not reported.
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
 No.53-11, Dingfu, Linkou Dist., New Taipei City,
 244 Taiwan R.O.C.
 Tel: +886-2-26092133 Fax: +886-2-26099303
 Email: emc@audixtech.com

Data: 14 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\IC1M1605XXX\IC1M1605224-CHAME



Site no. : Audix No.2 Chamber Data no. : 14
 Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : HORIZONTAL
 Limit : FCC 15B-B(>1G) PEAK
 Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
 EUT : SP 3255FW
 Power Rating : 120Vac/60Hz
 Test Mode : FAX-RX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	1095.00	25.36	4.61	36.63	57.18	50.52	73.98	23.46	Peak
2	1096.54	25.36	4.61	36.63	42.91	36.25	53.98	17.73	Average
3	1298.98	25.66	5.26	36.17	40.31	35.06	53.98	18.92	Average
4	1300.00	25.66	5.26	36.17	56.27	51.02	73.98	22.96	Peak
5	1895.00	27.84	7.10	35.36	49.40	48.98	73.98	25.00	Peak
6	1898.36	27.87	7.12	35.36	41.89	41.52	53.98	12.46	Average
@ 7	2430.00	28.65	7.88	35.10	81.35	82.78			
8	2600.00	29.14	8.06	35.07	48.51	50.64	73.98	23.34	Peak
9	2600.55	29.14	8.06	35.07	38.41	40.54	53.98	13.44	Average
10	3084.00	30.87	8.60	34.98	47.22	51.71	73.98	22.27	Peak
11	3084.68	30.87	8.60	34.98	33.55	38.04	53.98	15.94	Average
12	5372.00	34.25	11.24	34.19	39.74	51.04	73.98	22.94	Peak
13	5372.21	34.25	11.24	34.19	31.79	43.09	53.98	10.89	Average

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

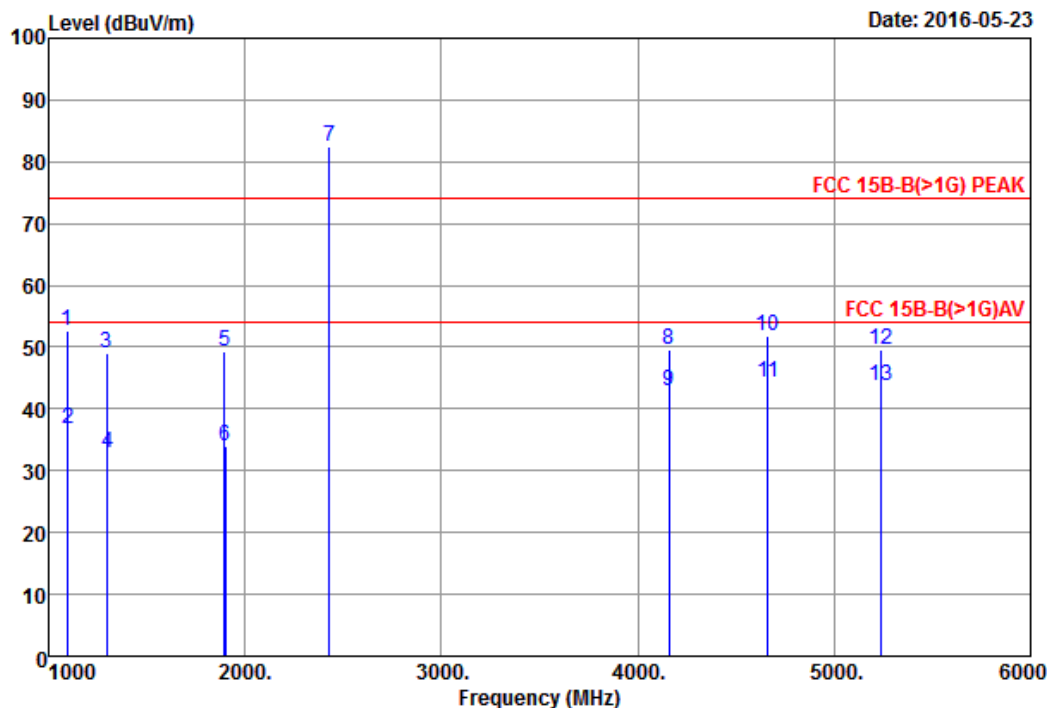
3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.



AUDIX Technology Corp. EMC Department
No.53-11, Dingfu, Linkou Dist., New Taipei City,
244 Taiwan R.O.C.
Tel: +886-2-26092133 Fax: +886-2-26099303
Email: emc@audixtech.com

Data: 13 File: \\Em2_chamber\data (d)\Test data\REPORT\2016\C1M1605XXX\C1M1605224-CHAME

Date: 2016-05-23



Site no. : Audix No.2 Chamber Data no. : 13
Dis. / Ant. : 3m HORN3115-3775 Ant. pol. : VERTICAL
Limit : FCC 15B-B(>1G) PEAK
Env. / Ins. : 25°C / 53% N9010A (076) Engineer : Edward_lin
EUT : SP 325SFHW
Power Rating : 120Vac/60Hz
Test Mode : FAX-RX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	PREAMP Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	
1	1095.00	25.36	4.61	36.63	59.32	52.66	73.98	21.32	Peak
2	1096.49	25.36	4.61	36.63	43.30	36.64	53.98	17.34	Average
3	1295.00	25.65	5.25	36.18	54.24	48.96	73.98	25.02	Peak
4	1298.96	25.65	5.26	36.17	38.16	32.90	53.98	21.08	Average
5	1895.00	27.84	7.10	35.36	49.59	49.17	73.98	24.81	Peak
6	1898.47	27.87	7.12	35.36	34.30	33.93	53.98	20.05	Average
@ 7	2430.00	28.65	7.88	35.10	81.02	82.45			
8	4159.00	32.70	10.15	34.46	41.30	49.69	73.98	24.29	Peak
9	4159.55	32.70	10.15	34.46	34.56	42.95	53.98	11.03	Average
10	4662.00	33.09	10.68	34.40	42.43	51.80	73.98	22.18	Peak
11	4662.24	33.09	10.68	34.40	34.83	44.20	53.98	9.78	Average
12	5235.00	34.09	11.22	34.22	38.40	49.49	73.98	24.49	Peak
13	5235.32	34.09	11.22	34.22	32.59	43.68	53.98	10.30	Average

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

3. "@" means the radiated emission from the transmitter/transceiver, it is ignored in this report.

6. DEVIATION TO TEST SPECIFICATIONS

【NONE】