

FCC TEST REPORT

for

47 CFR Part 15 Subpart C

Equipment : **TeamPad7500W**

Model No. : **FHTLA681**

FCC ID : **IXMTP7500W**

Filing Type : **Certification**

Applicant : **Universal Scientific Industrial Co.,Ltd**
135,Lane 351,Taiping Road,Sec.1,Tsao
Tuen,Nan -Tou,Taiwan

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SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

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History of this test report

Original Report Issue Date: Feb. 26, 2004

☒ No additional attachment.

☐ Additional attachment were issued as following record:

Attachment No.	Issue Date	Description

CERTIFICATE OF COMPLIANCE
for
47 CFR Part 15 Subpart C

Equipment : **TeamPad7500W**
Model No. : **FHTLA681**
FCC ID : **IXMTP7500W**
Filing Type : **Certification**
Applicant : **Universal Scientific Industrial Co.,Ltd**
135,Lane 351,Taiping Road,Sec.1,Tsao
Tuen,Nan-Tou,Taiwam

I HEREBY CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2001** and the equipment under test was **passed** all test items required in FCC Part 15 subpart C, relative to the equipment under test. Testing was carried out on Feb. 18, 2004 at **SPORTON International Inc. LAB.**



Daniel Lee
Manager

SPORTON International Inc.

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SPORTON International Inc.

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FCC ID : IXMPT7500W
Page No. : 1 of 70
Issued Date : Feb. 26, 2004

1. General Description of Equipment under Test

1.1. Applicant

Universal Scientific Industrial Co.,Ltd
135,Lane 351,Taiping Road, Sec.1,Tsao Tuen,Nan-Tou,Taiwan

1.2 Manufacturer

Same as 1.1

1.3 Basic Description of Equipment under Test

Equipment	: TeamPad7500W
Trade Name	: FUJITSU LIMITED
Model No.	: FHTLA681
Power Supply Type	: Switching
AC Power Cord	: AC 100~240V, Non-shielded, 1meter,2pin
DC Power Cable	: DC 16V, Non-shielded, 1.8 meter, 2 pin

1.4 Feature of Equipment under Test

Product Feature & Specification					
1.	Host/Radio Interface	Mini-PCI			
2.	Type of Modulation	11g: OFDM(BPSK,QPSK,16QAM,64QAM) 11b: CCK, DQPSK, DBPSK			
3.	Number of Channels	USA/Canada: 11	V	European: 13	V
		Japan: 13,14.	X	Other:	
4.	Frequency Band	11b/g: 2.400GHz ~ 2.4835GHz			
5.	Carrier Frequency of each channel	2412+5*(N-1)MHz; N=1~13			
6.	Channel Spacing	5MHz			
7.	Maximum Output Power to Antenna	11b: 12dBm, 11g: 11.9dBm			
8.	Type of Antenna Connector	I-PEX			
9.	Antenna Type / Gain	PCB Antenna / 1.5dBi			
10.	Function Type	Transmitter		Transceiver	V
11.	Power Rating (DC/AC , Voltage)	DC 3.3V±0.3V			
12.	Temperature Range (Operating)	-20°C ~ 70°C			

2 Test Configuration of Equipment under Test

2.1 Test Manner

- a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2001 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.
- b. The complete test system included LOGITECH USB Mouse, EPSON Printer, ACEEX Modem, and EUT as local workstation and IBM Notebook, BTC PS2 Keyboard as remote workstation for EMI test.
- c. The EUT can operate on eleven channels from 2412MHz to 2462MHz. (as listed in section 1.4).
- d. The following test modes were pretested for conduction test:
 - Mode 1:802.11b TX CH01(6Mbps)
 - Mode 2:802.11b TX CH06(6Mbps)
 - Mode 3:802.11b TX CH11(6Mbps)
 - Mode 4:802.11g TX CH01(11Mbps)
 - Mode 5:802.11g TX CH06(11Mbps)
 - Mode 6:802.11g TX CH11(11Mbps)
- e. The following test modes were pretested for radiation test:
 - Mode 1:802.11b TX CH01(6Mbps)
 - Mode 2:802.11b TX CH06(6Mbps)
 - Mode 3:802.11b TX CH11(6Mbps)
 - Mode 4:802.11g TX CH01(11Mbps)
 - Mode 5:802.11g TX CH06(11Mbps)
 - Mode 6:802.11g TX CH11(11Mbps)
- f. Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2 Description of Test System

Support Unit 1. -(PS2) Keyboard (BTC)-local workstation

FCC ID	: N/A
Model No.	: 9110
Power Supply Type	: Switching
Power Cord	: Shielded, 1.7m
Serial No.	: SP0011
Remark	: This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

Support Unit 2. –(USB) Mouse (LOGITECH) –local workstation

FCC ID	: N/A
Model No.	: M-BE58
Serial No.	: SP0052
Data Cable	: Shielded, 1.7m
Remark	: This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

Support Unit 3. – Modem(ACEEX)–local workstation

FCC ID	: FAXCM141
Model No.	: CM141
Serial No.	: SP0052
Power Cord	: Shielded
Data Cable	: Shielded, 1.15m
Remark	: This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

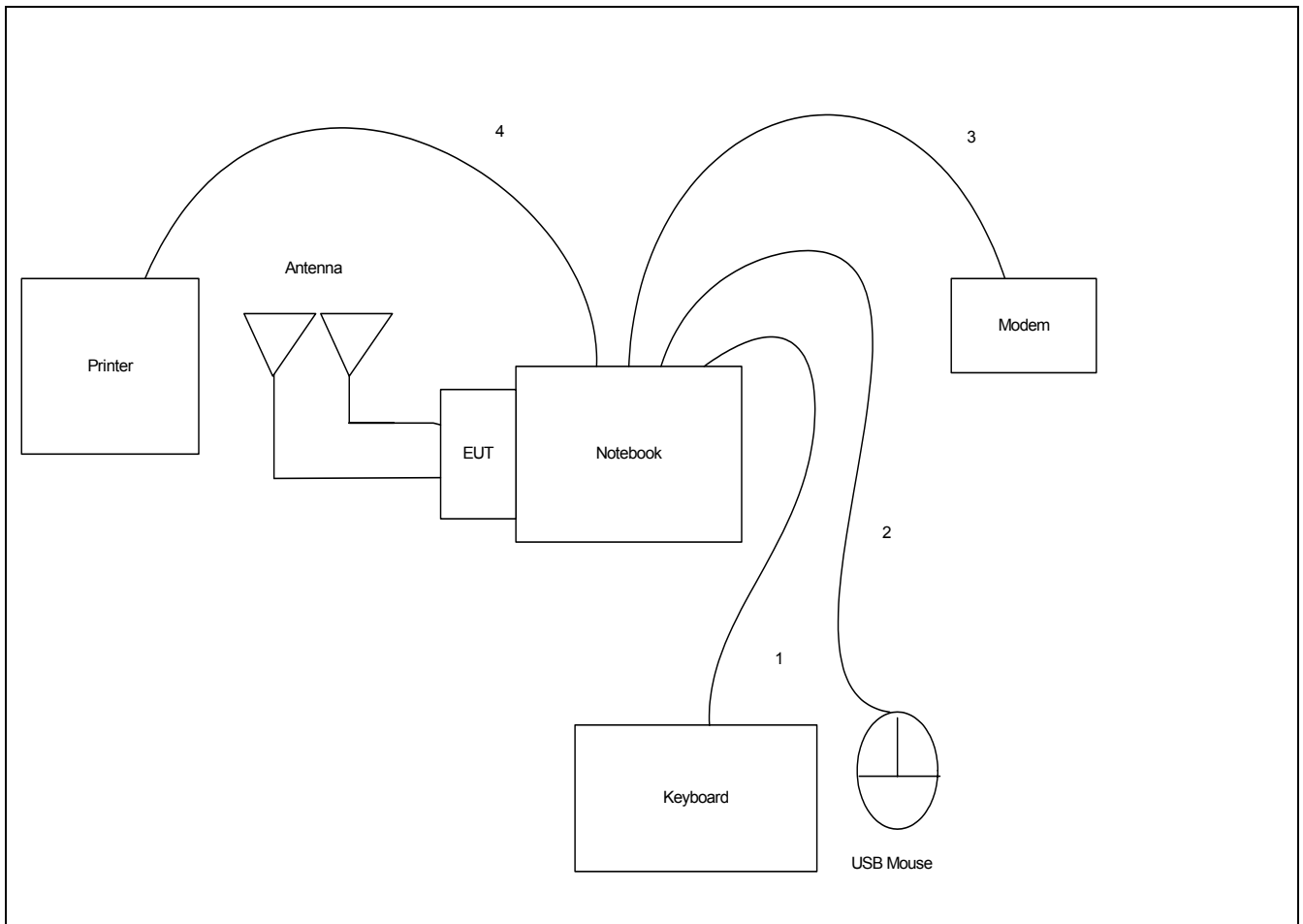
Support Unit 4. –Notebook (IBM)–local workstation

FCC ID	: N/A
Model No.	: 2662
Power Supply Type	: Linear
Power Cord	: Non-Shielded
Serial No.	: SP0064
Remark	: This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

Support Unit 5. –Printer(EPSON) –local workstation

FCC ID	: N/A
Model No.	: STYLUS COLRO C61
Power Supply Type	: Linear
Power Cord	: Non-Shielded
Serial No.	: SP0069
Remark	: This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

2.3 Connection Diagram of Test System



3 Operation of Equipment under Test

An executive program, EMCTEST.EXE on WIN2000 continuously generating a complete line of "H" pattern, was used as the test software.

The program was executed as follows:

- a. Turn on the power of all equipment.
- b. The PC reads the test program from the hard disk drive and runs it.
- c. The PC sends "H" messages to the monitor, and the monitor displays "H" patterns on the screen.
- d. The PC sends "H" messages to the printer, then the printer prints them on the paper.
- e. The PC sends "H" messages to the internal hard disk , and the hard disk reads and writes the message.
- f. Repeat the steps from c to e.

At the same time, the following program was executed:

"Interest continuous transmit Receive zillion" sends continuous Tx.

4 General Information of Test

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park,
Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-318-0055
Test Site No : CO01-HY, 03CH03-HY

4.1 Test Voltage

110V/ 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2001

4.3 Test in Compliance with

47 CFR Part 15 Subpart C

4.4 Frequency Range Investigated

- a. Conduction: from 150 kHz to 30 MHz
- b. Radiation: from 30 MHz to 25000 MHz

4.5 Test Distance

The test distance of radiated emission from antenna to EUT is 3 m.

5 Report of Measurements and Examinations

5.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.207	Conducted Emission	Pass
15.247(a)(2)	6dB Bandwidth	Pass
15.247(b)	Maximum Peak Output Power	Pass
15.209(a)	Radiated Emission	Pass
15.247 (c)	100kHz Bandwidth of Frequency Band Edges	Pass
15.247(d)	Power Spectral Density	Pass
15.203	Antenna Requirement	Pass
15.247(b)(4), 1.1307	RF Exposure	Pass

5.2 6dB Bandwidth

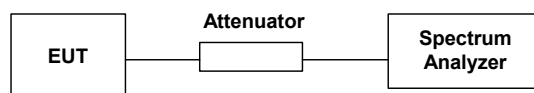
5.2.1 Measuring Instruments :

As described in chapter 7 of this test report.

5.2.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer through an attenuator.
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The 6 dB bandwidth is defined as the frequency range where the power is higher than the peak power minus 6dB.

5.2.3 Test Setup Layout :



5.2.4 Test Result :

- Mode 1~3 : WLAN 802.11b
- Temperature : 22°C
- Relative Humidity : 53%

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	7.32 MHz	0.5	1
06	2437	7.32 MHz	0.5	2
11	2462	7.32 MHz	0.5	3

5.2.5 Test Result :

- Mode 4~6 : WLAN 802.11g
- Temperature : 22°C
- Relative Humidity : 53%

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.4	0.5	4
06	2437	16.4	0.5	5
11	2462	16.4	0.5	6

5.3 Power Spectral Density

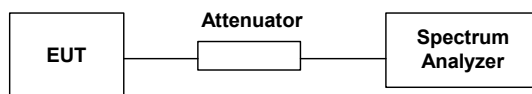
5.3.1 Measuring Instruments :

As described in chapter 7 of this test report.

5.3.2 Test Procedure :

1. The transmitter output was connected to spectrum analyzer through an attenuator.
2. The spectrum analyzer's resolution bandwidth was set at 3kHz RBW and 30kHz VBW as that of the fundamental frequency. Set the sweep time=span/3kHz.
3. The power spectral density was measured and recorded.
4. The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

5.3.3 Test Setup Layout :



5.3.4 Test Result :

- Mode 1~3: WLAN 802.11b
- Temperature : 22°C,
- Relative Humidity : 53%

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-8.13	8	7
06	2437	-7.58	8	8
11	2462	-7.14	8	9

5.3.5 Test Result :

- Mode 4~6: WLAN 802.11g
- Temperature : 22°C,
- Relative Humidity : 53%

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-19.88	8	10
06	2437	-19.54	8	11
11	2462	-19.22	8	12

5.4 Band Edges Measurement

5.4.1 Measuring Instruments :

As described in chapter 7 of this test report.

5.4.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
2. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100 kHz bandwidth from band edge.
3. The band edges was measured and recorded.

5.4.3 Test Result :

- Mode 1 and 3 : WLAN 802.11b
- Temperature : 22°C,
- Relative Humidity : 53%
- Test Result in lower band (Channel 1) : PASS
- Test Result in higher band (Channel 11) : PASS

5.4.4 Note on Band Edge Emission

802.11b

Channel	Band edge Frequency	Polarity	The emission of band edge power strength	Limit	Margin	Remark	Result
	(MHz)		(dB μ V/m)	(dB μ V/m)	(dB)		
01	2390	V	72.72	74	-1.28	Peak	Pass
	2390	V	50.35	54	-3.65	Average	Pass
	2390	H	62.36	74	-11.64	Peak	Pass
	2390	H	43.25	54	-10.75	Average	Pass
11	2483.5	V	66.19	74	-7.81	Peak	Pass
	2483.5	V	47.12	54	-6.88	Average	Pass
	2483.5	H	61.01	74	-12.99	Peak	Pass
	2483.5	H	44.92	54	-9.08	Average	Pass

5.4.5 Test Result :

- Mode 4 and 6 : WLAN 802.11g
- Temperature : 22°C,
- Relative Humidity : 53%

- Test Result in lower band (Channel 1) : PASS
- Test Result in higher band (Channel 11) : PASS

5.4.6 Note on Band Edge Emission**802.11g**

Channel	Band edge Frequency	Polarity	The emission of band edge power strength	Limit	Margin	Remark	Result
	(MHz)		(dB μ V/m)	(dB μ V/m)	(dB)		
01	2390	V	70.04	74	-3.96	Peak	Pass
	2390	V	47.07	54	-6.93	Average	Pass
	2390	H	65.60	74	-8.40	Peak	Pass
	2390	H	47.48	54	-6.52	Average	Pass
11	2483.5	V	71.64	74	-2.36	Peak	Pass
	2483.5	V	47.84	54	-6.16	Average	Pass
	2483.5	H	69.38	74	-4.62	Peak	Pass
	2483.5	H	48.09	54	-5.91	Average	Pass

Remark: The data above can refer to radiated emission in section 7.

5.5 Peak Output Power

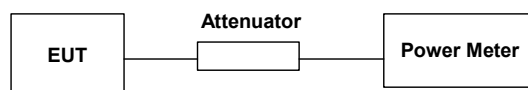
5.5.1 Measuring Instruments :

As described in chapter 7 of this test report.

5.5.2 Test Procedure :

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter.
The power is equal to the reading level on power meter plus cable loss at the EUT antenna terminal.

5.5.3 Test Setup Layout :



5.5.4 Test Result :

- Mode 1~3 : WLAN 802.11b
- Temperature : 22°C
- Relative Humidity : 53 %
- Antenna Gain: 1.5 dBi

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	11.6	1W/30 dBm
06	2437	12.0	1W/30 dBm
11	2462	12.0	1W/30 dBm

5.5.5 Test Result :

- Mode 4~6 : WLAN 802.11g
- Temperature : 22°C
- Relative Humidity : 53 %
- Antenna Gain: 1.5 dBi

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	11.6	1W/30 dBm
06	2437	11.8	1W/30 dBm
11	2462	11.9	1W/30 dBm

6. Test of Conducted Emission

Conducted emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 kHz and return leads of the EUT according to the methods defined in ANSI C63.4-2001 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

6.1. Major Measuring Instruments :

● Test Receiver	(R&S ESCS 30)
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

6.2. Test Procedures :

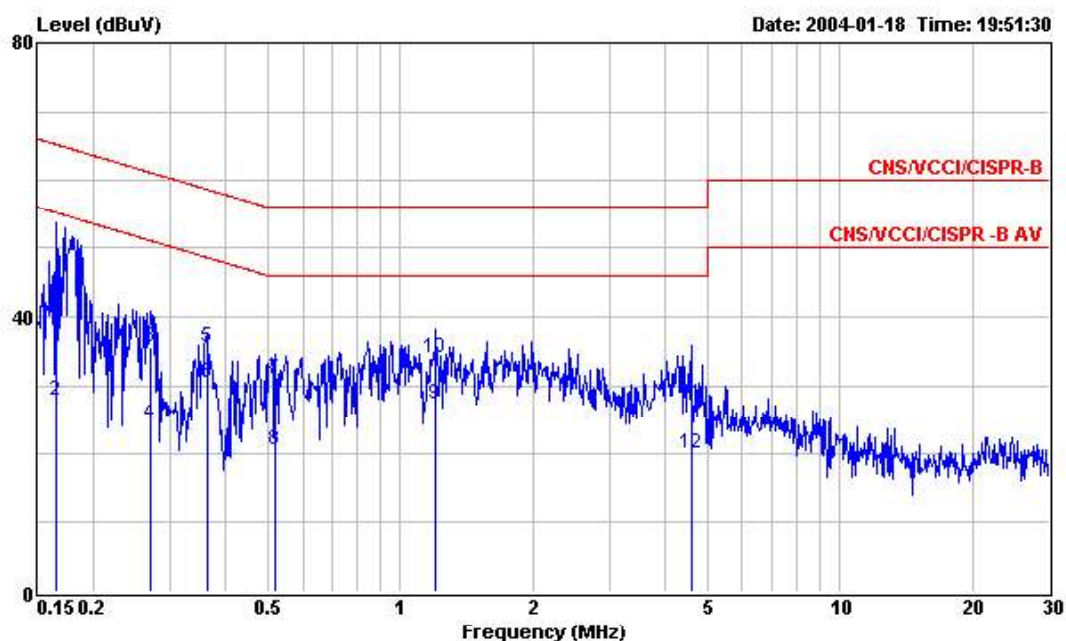
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of the line impedance stabilization network (LISN).
- c. All the support units are connect to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

6.3. Test Result of Conducted Emission :

6.3.1 Frequency Range of Test : 150kHz to 30 MHz

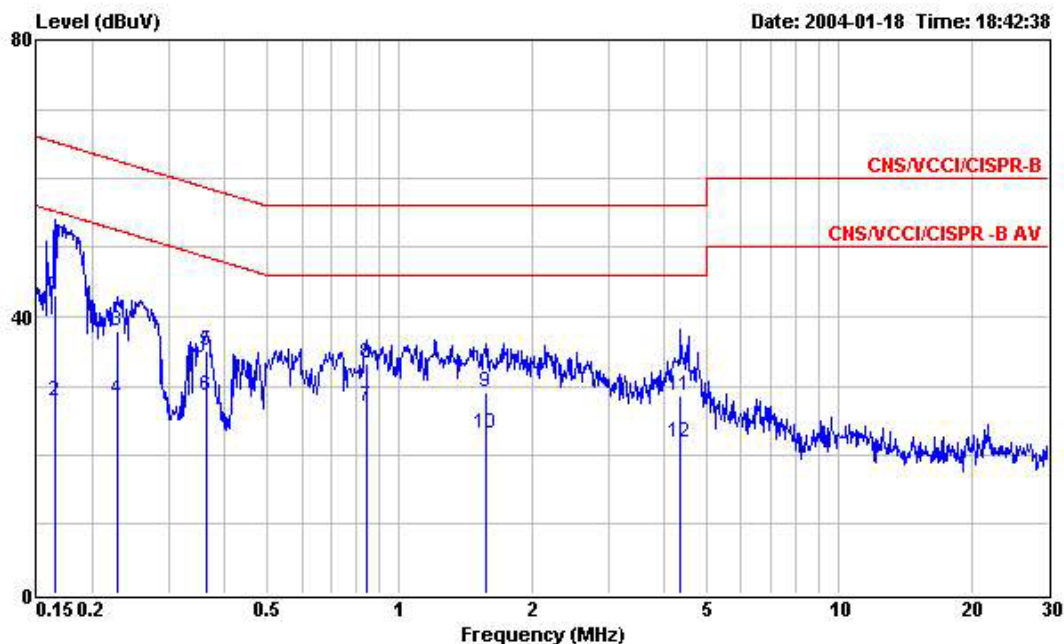
- Test Mode : Mode 1
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch01 Tx Mode

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.164	42.21	-23.05	65.26	42.10	0.10	0.01	QP
2	0.164	27.75	-27.51	55.26	27.64	0.10	0.01	Average
3	0.270	35.48	-25.64	61.12	35.36	0.10	0.02	QP
4	0.270	24.31	-26.81	51.12	24.19	0.10	0.02	Average
5	0.363	35.68	-22.98	58.66	35.56	0.10	0.02	QP
6	0.363	30.28	-18.38	48.66	30.16	0.10	0.02	Average
7	0.518	31.02	-24.98	56.00	30.89	0.10	0.03	QP
8	0.518	20.52	-25.48	46.00	20.39	0.10	0.03	Average
9	1.200	27.36	-18.64	46.00	27.21	0.10	0.05	Average
10	1.200	34.01	-21.99	56.00	33.86	0.10	0.05	QP
11	4.600	27.35	-28.65	56.00	27.14	0.12	0.09	QP
12	4.600	20.06	-25.94	46.00	19.85	0.12	0.09	Average



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch01 Tx Mode

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.164	43.01	-22.25	65.26	42.90	0.10	0.01	QP
2	0.164	27.89	-27.37	55.26	27.78	0.10	0.01	Average
3	0.229	38.04	-24.45	62.49	37.92	0.10	0.02	QP
4	0.229	28.15	-24.34	52.49	28.03	0.10	0.02	Average
5	0.363	35.18	-23.48	58.66	35.06	0.10	0.02	QP
6	0.363	28.47	-20.19	48.66	28.35	0.10	0.02	Average
7	0.844	27.09	-18.91	46.00	26.95	0.10	0.04	Average
8	0.844	33.25	-22.75	56.00	33.11	0.10	0.04	QP
9	1.580	28.98	-27.02	56.00	28.83	0.10	0.05	QP
10	1.580	23.11	-22.89	46.00	22.96	0.10	0.05	Average
11	4.360	28.63	-27.37	56.00	28.34	0.20	0.09	QP
12	4.360	21.73	-24.27	46.00	21.44	0.20	0.09	Average

Test Engineer :

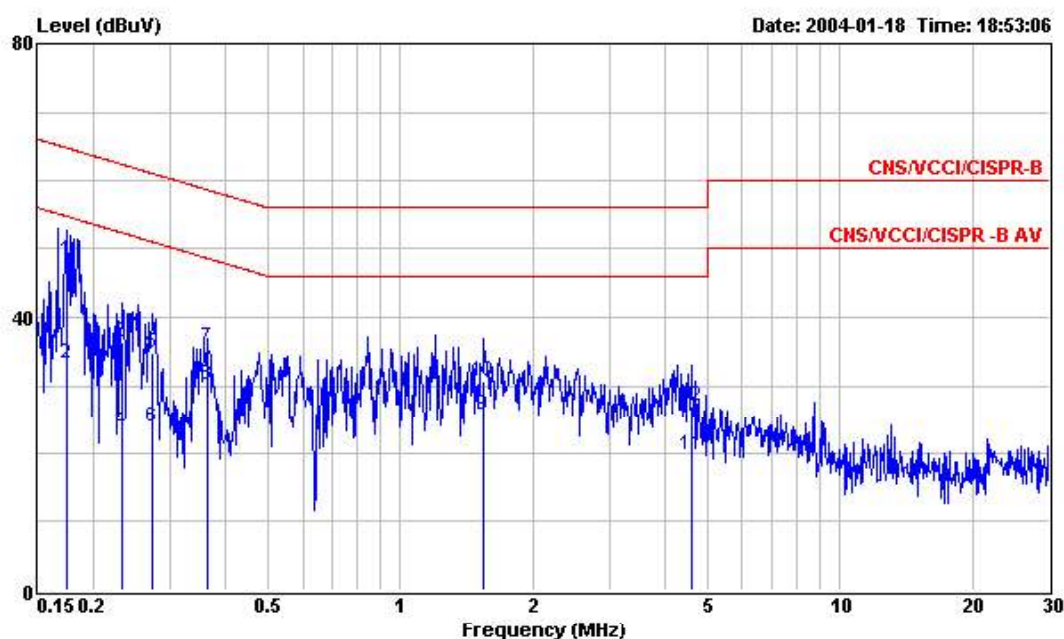
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6.3.2 Frequency Range of Test : 150kHz to 30 MHz

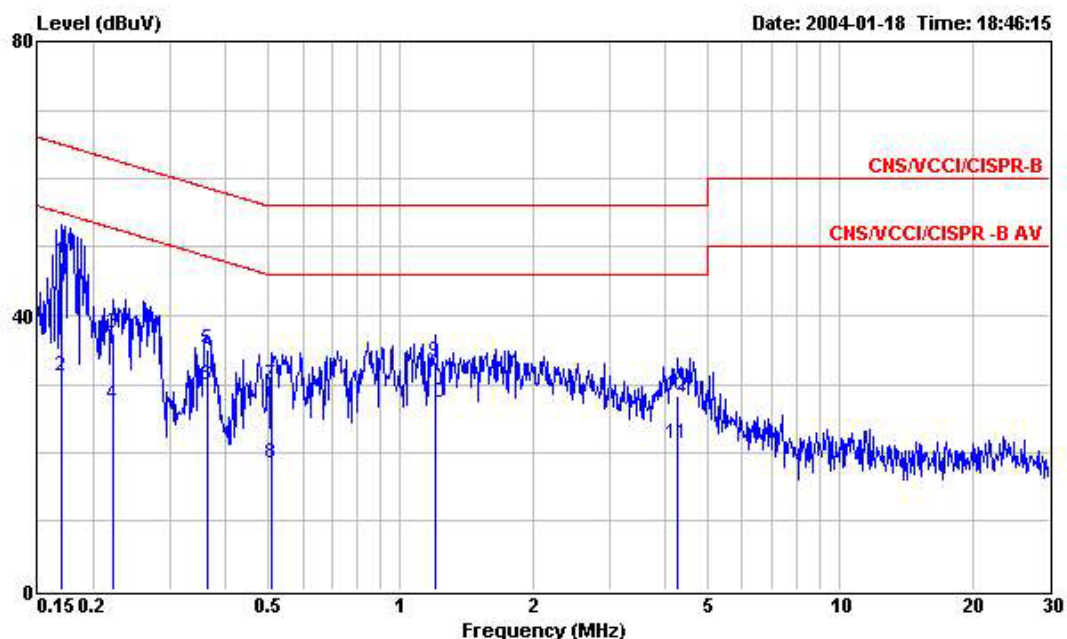
- Test Mode : Mode 2
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HV
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch06 Tx Mode

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.174	48.39	-16.38	64.77	48.27	0.10	0.02	QP
2	0.174	33.21	-21.56	54.77	33.09	0.10	0.02	Average
3	0.233	36.49	-25.85	62.34	36.37	0.10	0.02	QP
4	0.233	23.49	-28.85	52.34	23.37	0.10	0.02	Average
5	0.272	34.84	-26.22	61.06	34.72	0.10	0.02	QP
6	0.272	23.82	-27.24	51.06	23.70	0.10	0.02	Average
7	0.363	35.64	-23.02	58.66	35.52	0.10	0.02	QP
8	0.363	30.07	-18.59	48.66	29.95	0.10	0.02	Average
9	1.550	25.78	-20.22	46.00	25.63	0.10	0.05	Average
10	1.550	30.76	-25.24	56.00	30.61	0.10	0.05	QP
11	4.600	19.83	-26.17	46.00	19.62	0.12	0.09	Average
12	4.600	26.91	-29.09	56.00	26.70	0.12	0.09	QP



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch06 Tx Mode

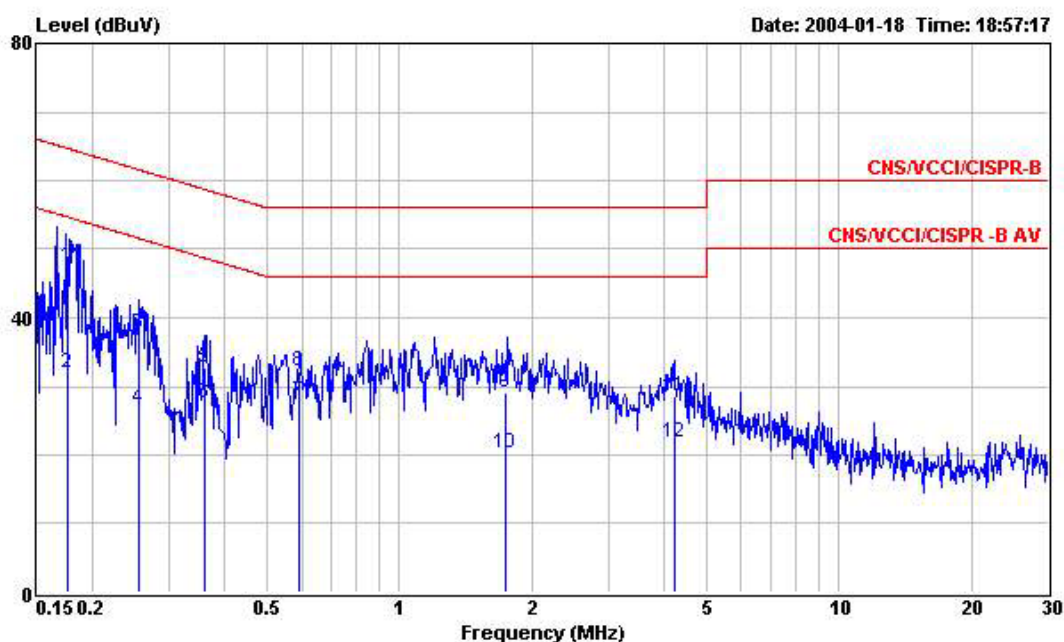
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.169	47.92	-17.09	65.01	47.80	0.10	0.02	QP
2	0.169	31.29	-23.72	55.01	31.17	0.10	0.02	Average
3	0.222	37.34	-25.40	62.74	37.22	0.10	0.02	QP
4	0.222	26.99	-25.75	52.74	26.87	0.10	0.02	Average
5	0.363	35.18	-23.48	58.66	35.06	0.10	0.02	QP
6	0.363	29.84	-18.82	48.66	29.72	0.10	0.02	Average
7	0.507	29.95	-26.05	56.00	29.82	0.10	0.03	QP
8	0.507	18.49	-27.51	46.00	18.36	0.10	0.03	Average
9	1.200	33.34	-22.66	56.00	33.19	0.10	0.05	QP
10	1.200	27.20	-18.80	46.00	27.05	0.10	0.05	Average
11	4.270	21.31	-24.69	46.00	21.02	0.20	0.09	Average
12	4.270	28.38	-27.62	56.00	28.09	0.20	0.09	QP

Test Engineer : Jones Tsai
 Jones Tsai

6.3.3 Frequency Range of Test : 150kHz to 30 MHz

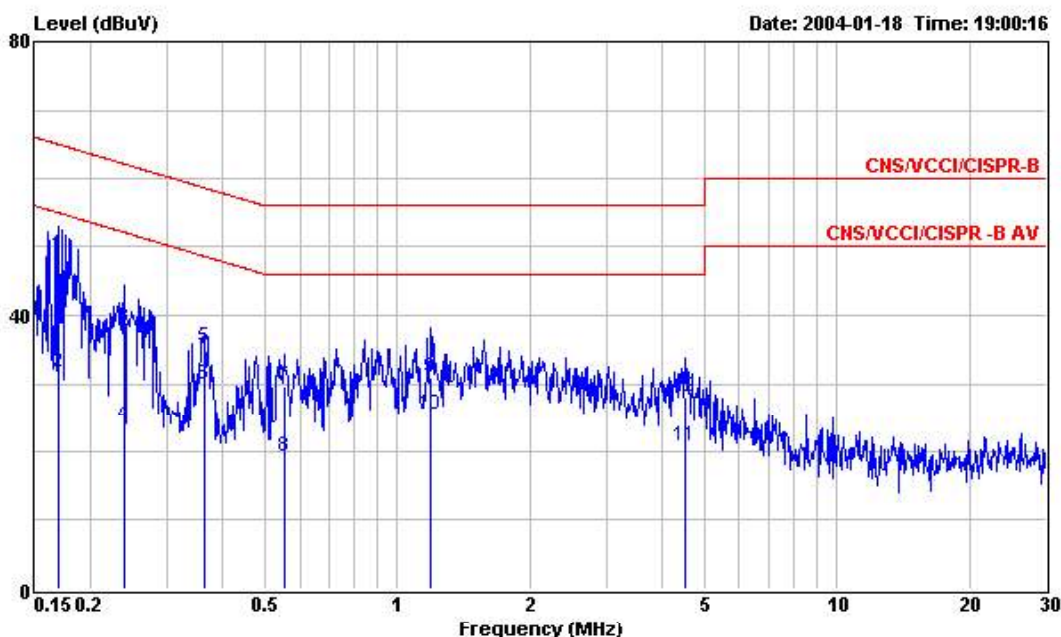
- Test Mode : Mode 3
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch11 Tx Mode

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.175	47.62	-17.10	64.72	47.50	0.10	0.02	QP
2	0.175	31.94	-22.78	54.72	31.82	0.10	0.02	Average
3	0.256	37.61	-23.95	61.56	37.49	0.10	0.02	QP
4	0.256	26.85	-24.71	51.56	26.73	0.10	0.02	Average
5	0.360	32.78	-25.95	58.73	32.66	0.10	0.02	QP
6	0.360	27.56	-21.17	48.73	27.44	0.10	0.02	Average
7	0.592	27.76	-18.24	46.00	27.63	0.10	0.03	Average
8	0.592	32.28	-23.72	56.00	32.15	0.10	0.03	QP
9	1.750	29.11	-26.89	56.00	28.95	0.10	0.06	QP
10	1.750	20.26	-25.74	46.00	20.10	0.10	0.06	Average
11	4.220	28.47	-27.53	56.00	28.28	0.11	0.08	QP
12	4.220	21.90	-24.10	46.00	21.71	0.11	0.08	Average



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11b Ch11 Tx Mode

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.169	48.91	-16.10	65.01	48.79	0.10	0.02	QP
2	0.169	31.72	-23.29	55.01	31.60	0.10	0.02	Average
3	0.239	38.25	-23.88	62.13	38.13	0.10	0.02	QP
4	0.239	23.92	-28.21	52.13	23.80	0.10	0.02	Average
5	0.363	35.42	-23.24	58.66	35.30	0.10	0.02	QP
6	0.363	29.84	-18.82	48.66	29.72	0.10	0.02	Average
7	0.552	29.55	-26.45	56.00	29.42	0.10	0.03	QP
8	0.552	19.34	-26.66	46.00	19.21	0.10	0.03	Average
9	1.190	30.79	-25.21	56.00	30.64	0.10	0.05	QP
10	1.190	25.48	-20.52	46.00	25.33	0.10	0.05	Average
11	4.500	20.88	-25.12	46.00	20.59	0.20	0.09	Average
12	4.500	27.99	-28.01	56.00	27.70	0.20	0.09	QP

Test Engineer :

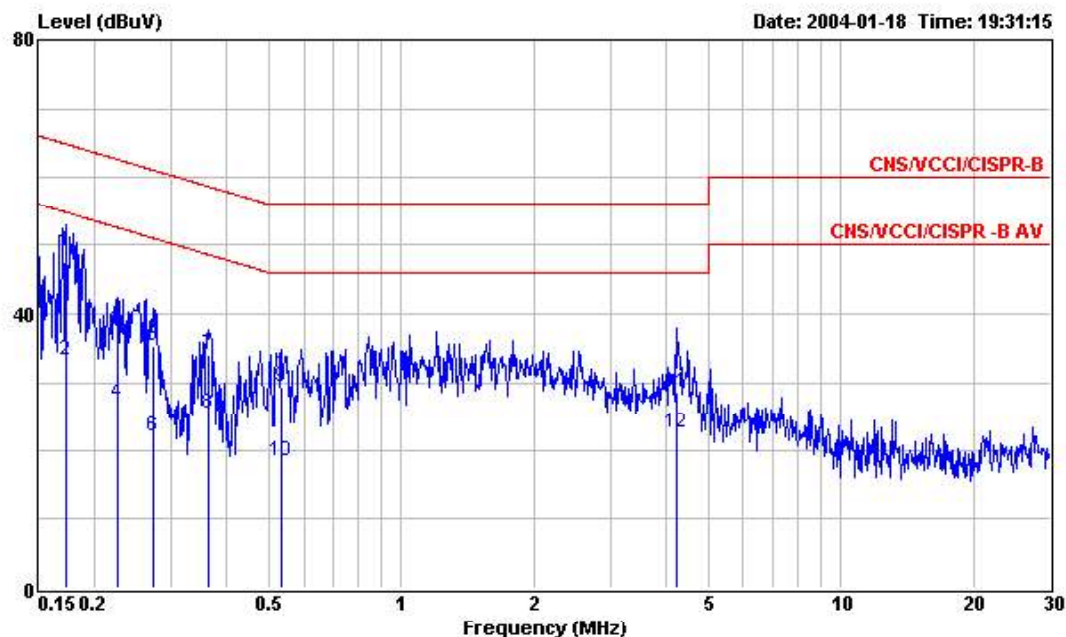
Jones Tsai

Jones Tsai

6.3.4 Frequency Range of Test : 150kHz to 30 MHz

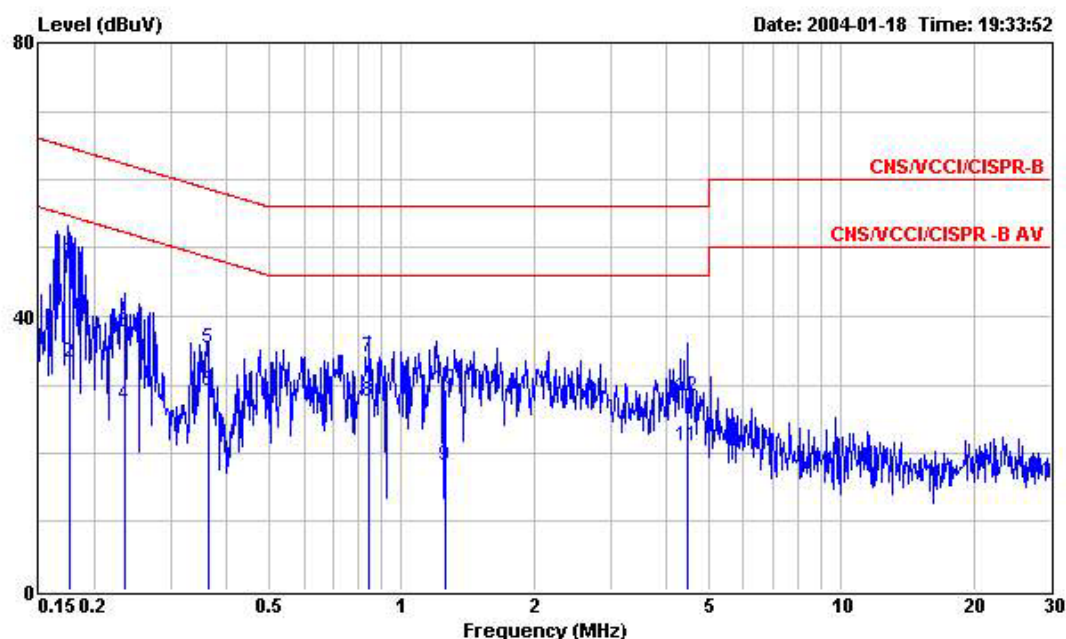
- Test Mode : Mode 4
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HV
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamFed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch01 Tx Mode

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.172	49.07	-15.79	64.86	48.95	0.10	0.02	QP
2	0.172	33.26	-21.60	54.86	33.14	0.10	0.02	Average
3	0.227	37.58	-24.98	62.56	37.46	0.10	0.02	QP
4	0.227	27.03	-25.53	52.56	26.91	0.10	0.02	Average
5	0.272	35.24	-25.82	61.06	35.12	0.10	0.02	QP
6	0.272	22.13	-28.93	51.06	22.01	0.10	0.02	Average
7	0.365	33.95	-24.66	58.61	33.83	0.10	0.02	QP
8	0.365	25.39	-23.22	48.61	25.27	0.10	0.02	Average
9	0.532	29.43	-26.57	56.00	29.30	0.10	0.03	QP
10	0.532	18.42	-27.58	46.00	18.29	0.10	0.03	Average
11	4.220	28.63	-27.37	56.00	28.44	0.11	0.08	QP
12	4.220	22.49	-23.51	46.00	22.30	0.11	0.08	Average



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch01 Tx Mode

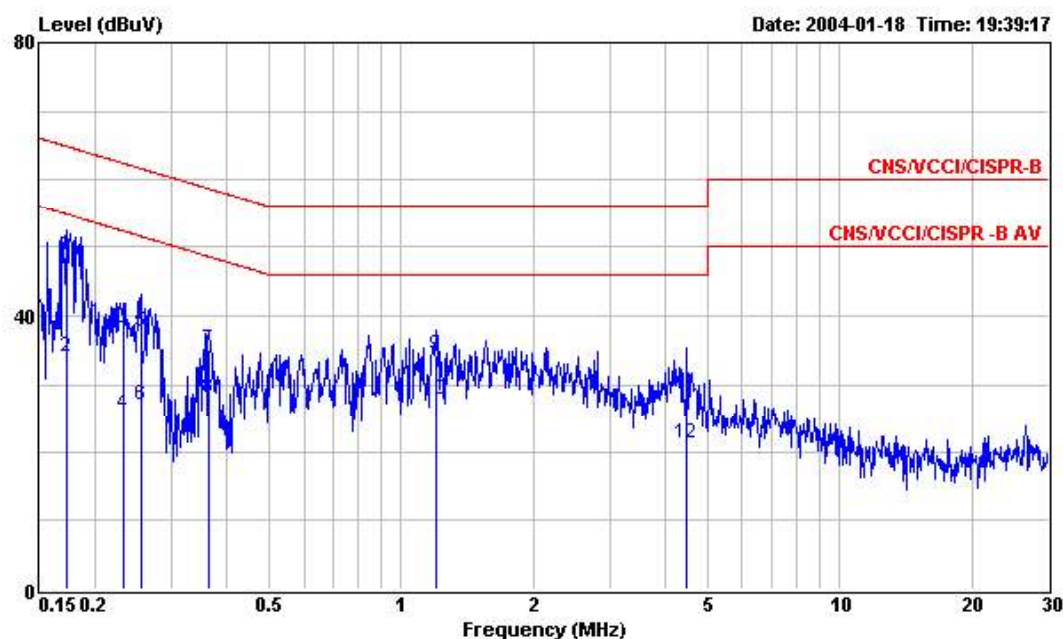
	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.175	48.18	-16.54	64.72	48.06	0.10	0.02	QP
2	0.175	33.26	-21.46	54.72	33.14	0.10	0.02	Average
3	0.234	37.61	-24.70	62.31	37.49	0.10	0.02	QP
4	0.234	27.02	-25.29	52.31	26.90	0.10	0.02	Average
5	0.365	35.44	-23.17	58.61	35.32	0.10	0.02	QP
6	0.365	29.22	-19.39	48.61	29.10	0.10	0.02	Average
7	0.844	34.00	-22.00	56.00	33.86	0.10	0.04	QP
8	0.844	27.49	-18.51	46.00	27.35	0.10	0.04	Average
9	1.260	18.16	-27.84	46.00	18.01	0.10	0.05	Average
10	1.260	29.48	-26.52	56.00	29.33	0.10	0.05	QP
11	4.480	21.14	-24.86	46.00	20.85	0.20	0.09	Average
12	4.480	28.43	-27.57	56.00	28.14	0.20	0.09	QP

Test Engineer : Jones Tsai
 Jones Tsai

6.3.5 Frequency Range of Test : 150kHz to 30 MHz

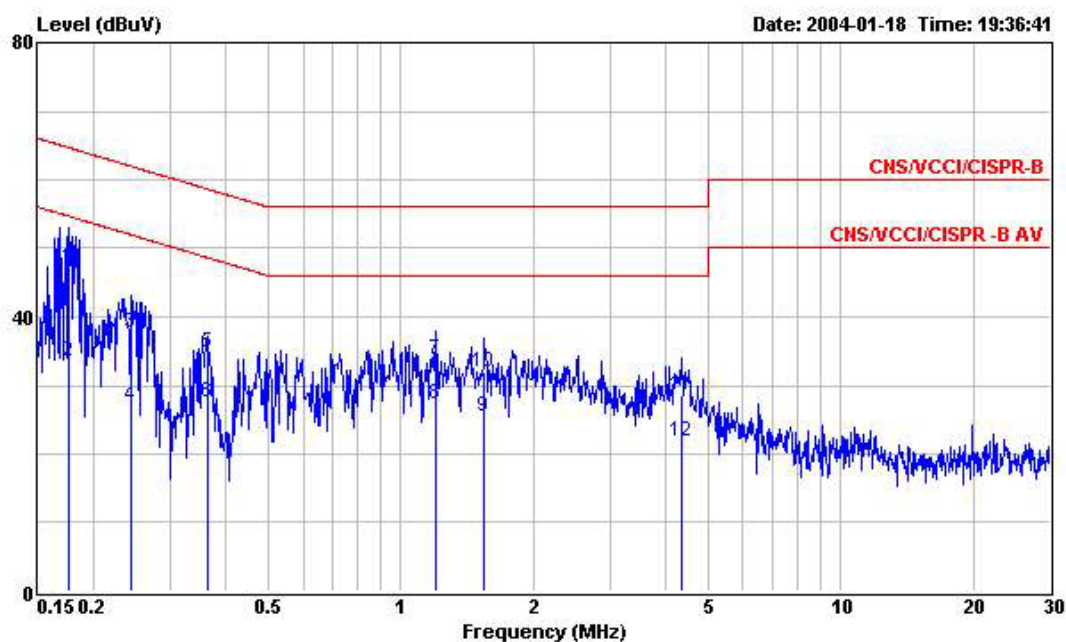
- Test Mode : Mode 5
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch06 Tx Mode

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.172	48.73	-16.13	64.86	48.61	0.10	0.02	QP
2	0.172	34.06	-20.80	54.86	33.94	0.10	0.02	Average
3	0.232	38.08	-24.30	62.38	37.96	0.10	0.02	QP
4	0.232	25.65	-26.73	52.38	25.53	0.10	0.02	Average
5	0.255	37.76	-23.83	61.59	37.64	0.10	0.02	QP
6	0.255	26.91	-24.68	51.59	26.79	0.10	0.02	Average
7	0.363	35.08	-23.58	58.66	34.96	0.10	0.02	QP
8	0.363	28.04	-20.62	48.66	27.92	0.10	0.02	Average
9	1.200	34.25	-21.75	56.00	34.10	0.10	0.05	QP
10	1.200	27.69	-18.31	46.00	27.54	0.10	0.05	Average
11	4.480	28.52	-27.48	56.00	28.32	0.11	0.09	QP
12	4.480	21.30	-24.70	46.00	21.10	0.11	0.09	Average



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch06 Tx Mode

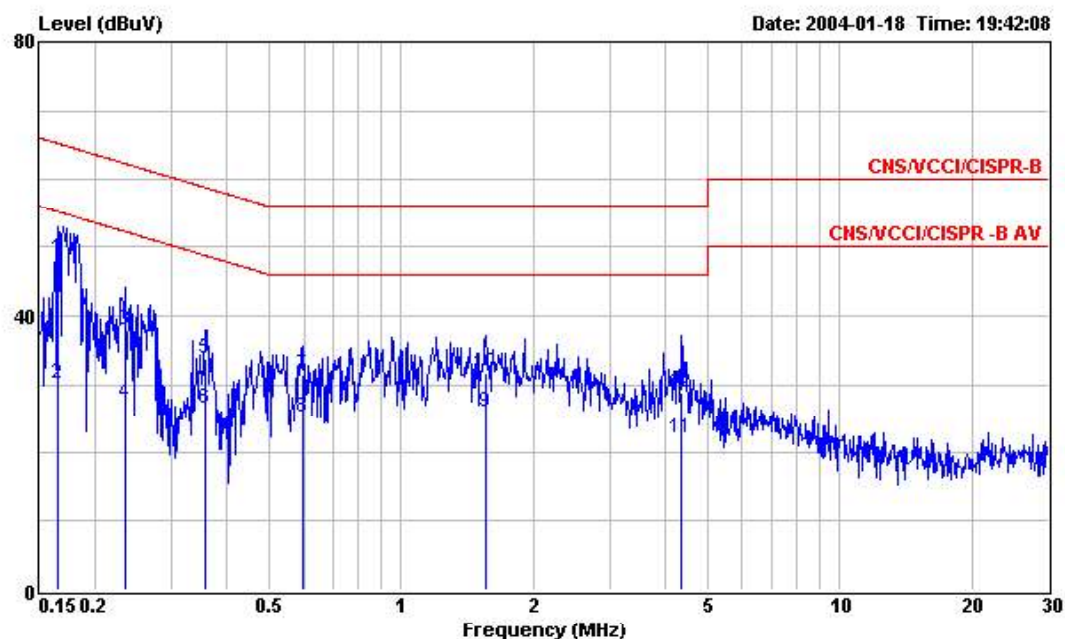
	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.176	47.36	-17.31	64.67	47.24	0.10	0.02	QP
2	0.176	33.50	-21.17	54.67	33.38	0.10	0.02	Average
3	0.243	37.65	-24.34	61.99	37.53	0.10	0.02	QP
4	0.243	27.07	-24.92	51.99	26.95	0.10	0.02	Average
5	0.363	34.84	-23.82	58.66	34.72	0.10	0.02	QP
6	0.363	27.65	-21.01	48.66	27.53	0.10	0.02	Average
7	1.200	33.81	-22.19	56.00	33.66	0.10	0.05	QP
8	1.200	27.25	-18.75	46.00	27.10	0.10	0.05	Average
9	1.550	25.43	-20.57	46.00	25.28	0.10	0.05	Average
10	1.550	32.03	-23.97	56.00	31.88	0.10	0.05	QP
11	4.340	28.68	-27.32	56.00	28.39	0.20	0.09	QP
12	4.340	21.90	-24.10	46.00	21.61	0.20	0.09	Average

Test Engineer : Jones Tsai
 Jones Tsai

6.3.6 Frequency Range of Test : 150kHz to 30 MHz

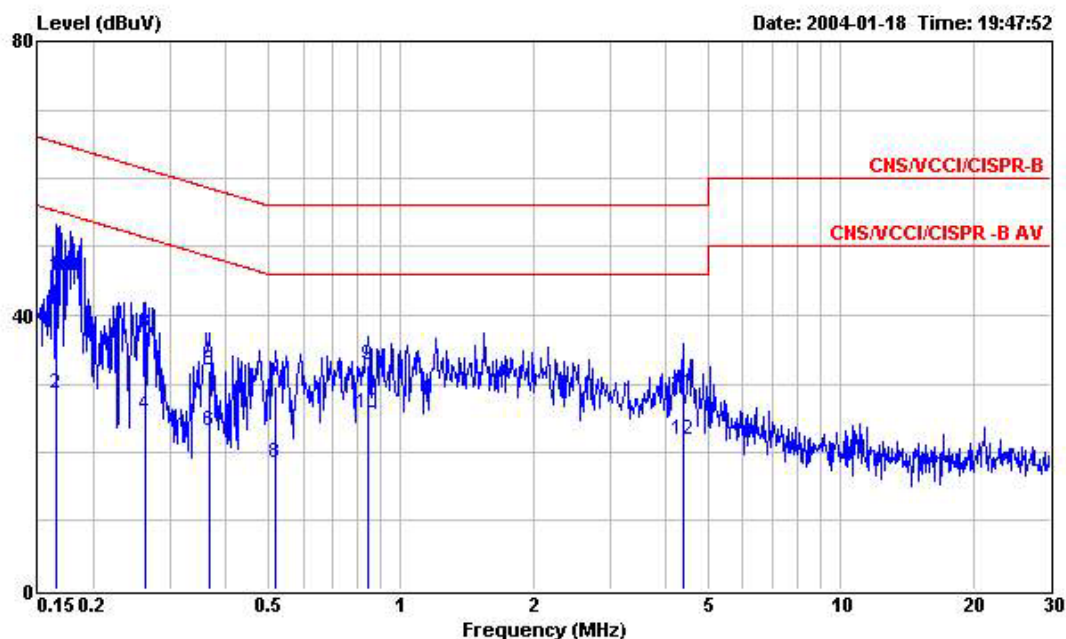
- Test Mode : Mode 6
- Temperature : 21°C
- Relative Humidity : 54 %

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch11 Tx Mode

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.164	48.35	-16.91	65.26	48.24	0.10	0.01	QP
2	0.164	30.08	-25.18	55.26	29.97	0.10	0.01	Average
3	0.234	37.97	-24.34	62.31	37.85	0.10	0.02	QP
4	0.234	27.33	-24.98	52.31	27.21	0.10	0.02	Average
5	0.356	33.89	-24.93	58.82	33.77	0.10	0.02	QP
6	0.356	26.53	-22.29	48.82	26.41	0.10	0.02	Average
7	0.595	31.49	-24.51	56.00	31.36	0.10	0.03	QP
8	0.595	25.21	-20.79	46.00	25.08	0.10	0.03	Average
9	1.560	26.01	-19.99	46.00	25.86	0.10	0.05	Average
10	1.560	31.67	-24.33	56.00	31.52	0.10	0.05	QP
11	4.340	22.04	-23.96	46.00	21.84	0.11	0.09	Average
12	4.340	28.77	-27.23	56.00	28.57	0.11	0.09	QP



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : TeamPed7500w
 Model No. : FHT 68XXXX/MiniPCI
 Power : 110 Vac / 60 Hz
 Memo : 802.11g Ch11 Tx Mode

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.164	45.59	-19.67	65.26	45.48	0.10	0.01	QP
2	0.164	28.66	-26.60	55.26	28.55	0.10	0.01	Average
3	0.262	37.35	-24.02	61.37	37.23	0.10	0.02	QP
4	0.262	25.56	-25.81	51.37	25.44	0.10	0.02	Average
5	0.367	31.96	-26.61	58.57	31.84	0.10	0.02	QP
6	0.367	23.06	-25.51	48.57	22.94	0.10	0.02	Average
7	0.521	29.55	-26.45	56.00	29.42	0.10	0.03	QP
8	0.521	18.36	-27.64	46.00	18.23	0.10	0.03	Average
9	0.844	32.63	-23.37	56.00	32.49	0.10	0.04	QP
10	0.844	25.77	-20.23	46.00	25.63	0.10	0.04	Average
11	4.380	28.50	-27.50	56.00	28.21	0.20	0.09	QP
12	4.380	21.88	-24.12	46.00	21.59	0.20	0.09	Average

Test Engineer :

Jones Tsai

Jones Tsai

6.4. Photographs of Conducted Emission Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW



SIDE VIEW

