FCC TEST REPORT

for

47 CFR Part 15 Subpart C

Equipment	**: Tablet PC**
Trade Name	**: VAC**
Model No.	**: V310**
FCC ID	**: Q8XV310TM**
Filing Type	**: Certification**
Applicant	**: Global Brands Manufacutre Ltd.** 22F, No. 456, Sec. 4, Hsin Yi Rd., Taipei, 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: Oct. 26, 2004

■ No additional attachment.

☐ Additional attachment were issued as following record:

Attachment No.	Issue Date	Description

Certificate No. : F483149

CERTIFICATE OF COMPLIANCE

for

47 CFR Part 15 Subpart C

Equipment	**: Tablet PC**
Trade Name	**: VAC**
Model No.	**: V310**
FCC ID	**: Q8XV310TM**
Filing Type	**: Certification**
Applicant	**: Global Brands Manufacutre Ltd.** 22F, No. 456, Sec. 4, Hsin Yi Rd., Taipei, Taiwan

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2003** 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 Oct. 13, 2004 at **SPORTON International Inc.** LAB.

Daniel Lee 10/27/2004

Daniel Lee

Manager

SPORTON International Inc.

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

1. General Description of Equipment under Test

1.1. Applicant

Global Brands Manufacutre Ltd.
22F, No. 456, Sec. 4, Hsin Yi Rd., Taipei, Taiwan

1.2 Manufacturer

ECS Manufacturing (ShenZhen) Co., Ltd.
20, Free Trade Zone, Shatioujiao, Shen Zhen City, Guang Dong Province , China

1.3 Basic Description of Equipment under Test

Equipment	: Tablet PC
Trade Name	: VAC
Model No.	: V310
FCC ID	: Q8XV310TM
Power Supply Type	: Switching
AC Power Cord	: AC 110V, Non-Shielded, 1.7meter, 2 pin
DC Power Cable	: DC 19V, 1.8 meter, 2 pin

1.4 Feature of Equipment under Test

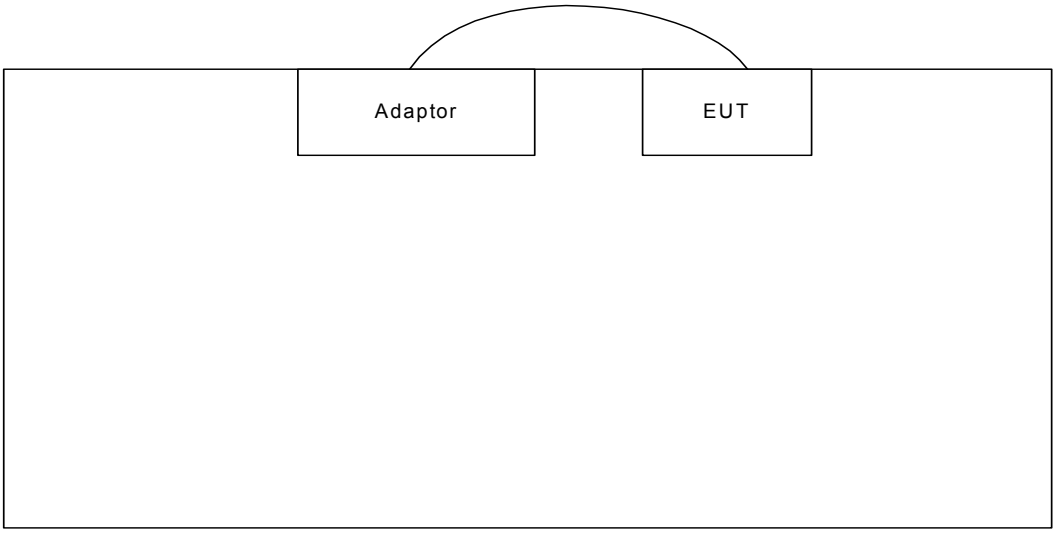
Product Feature & Specification				
1. Host/Radio Interface	Tablet PC			
2. Modulation Type/Data Rate	IEEE 802.11b: DBPSK(1Mbps), DQPSK(2Mbps), CCK(5.5/11Mbps)			
3. Freq.Range/Carrier Freqs.	2400 MHz ~ 2483.5 MHz			
4. Number o f Channels	USA/Canada: 11	V	European: 13	
	Japan: 13, 14		Other:	
5. Carrier Frequency of each channel	2400 MHz~2483.5MHz			
6. Channel Spacing	5 MHz			
7. Maximum Output Power to Antenna (Normal condition)	IEEE 802.11b: 16.5 dBm			
8. Type of Antenna Connector	IPEX			
9. Antenna Type	PIFA			
10. Antenna Gain	-0.17 dBi			
11. Function Type	Transmitter		Transceiver	V

2 Test Configuration of Equipment under Test

2.1 Test Manner

a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.
b. The complete test system included EUT 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 tested for conduction test:
   Mode 1: Link mode
   The following test modes were tested for radiation test:
   Mode 1: TX CH01 2412MHz
   Mode 2: TX CH06 2437MHz
   Mode 3: TX CH11 2462MHz
e. Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2 Connection Diagram of Test System



3 Operation of Equipment under Test

During the test, the following programs on WIN XP were executed :
Execute “Prism.exe” to implement continuous transmitting.

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, 03CH06-HY

4.1 Test Voltage

110V/ 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2003

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 15.247(b)(4)	Antenna Requirement	Pass

5.2 6dB Bandwidth

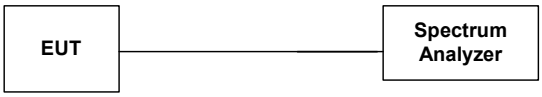
5.2.1 Measuring Instruments：

As described in chapter 9 of this test report.

5.2.2 Test Procedure：

1. The transmitter output was connected to the spectrum analyzer directly.
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：



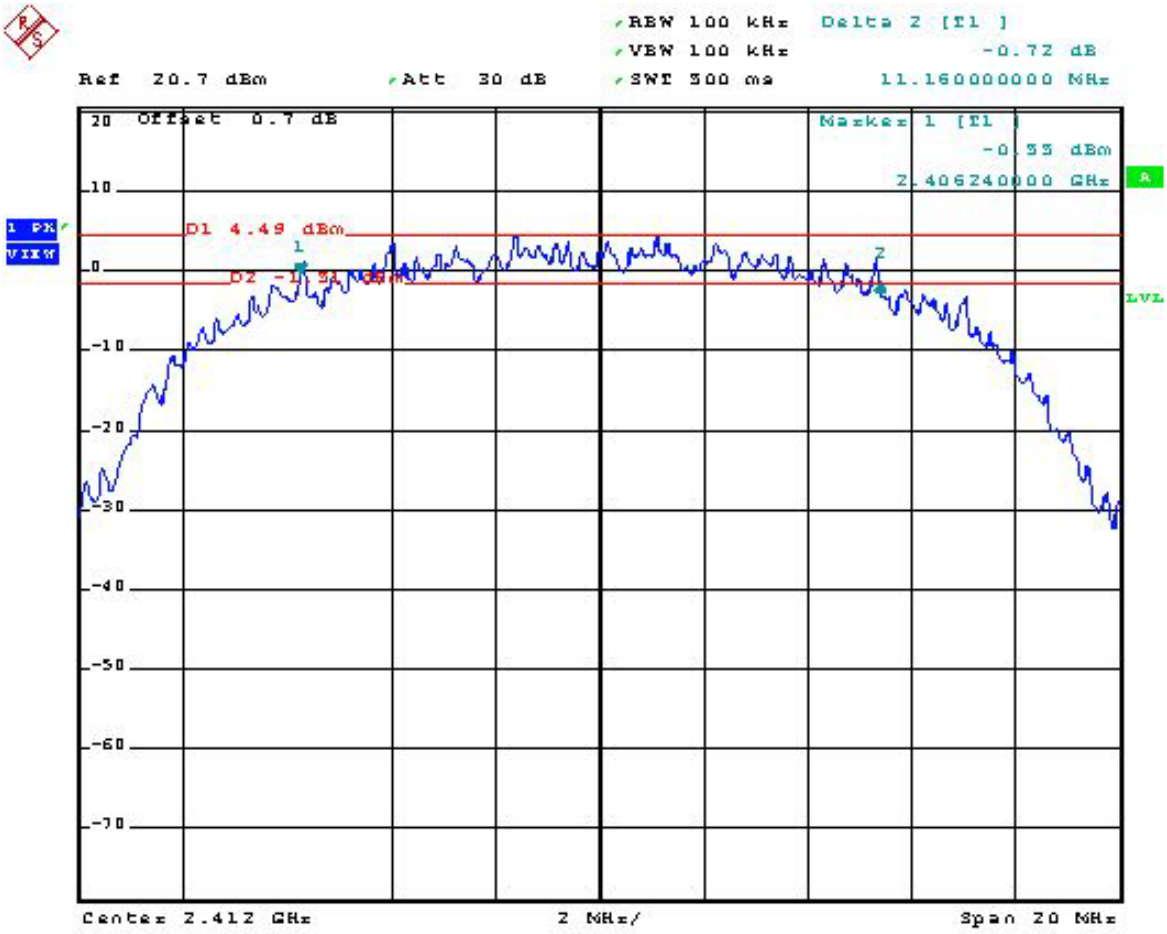
5.2.4 Test Result：

- Mode 1~3 : 802.11b
- Temperature : 24°C
- Relative Humidity : 47%

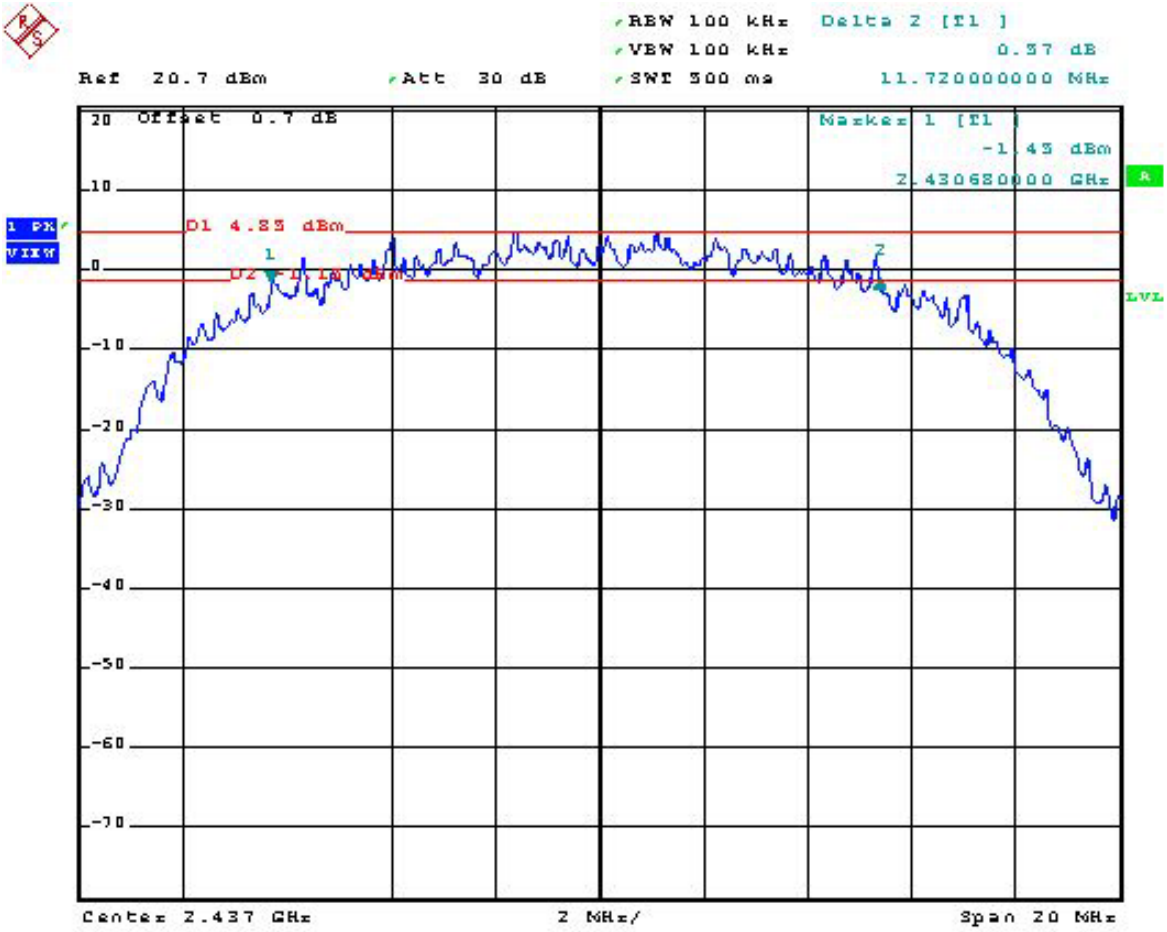
Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	11.16	0.5	Mode 1
06	2437	11.72	0.5	Mode 2
11	2462	11.16	0.5	Mode 3

5.2.6 6dB Bandwidth

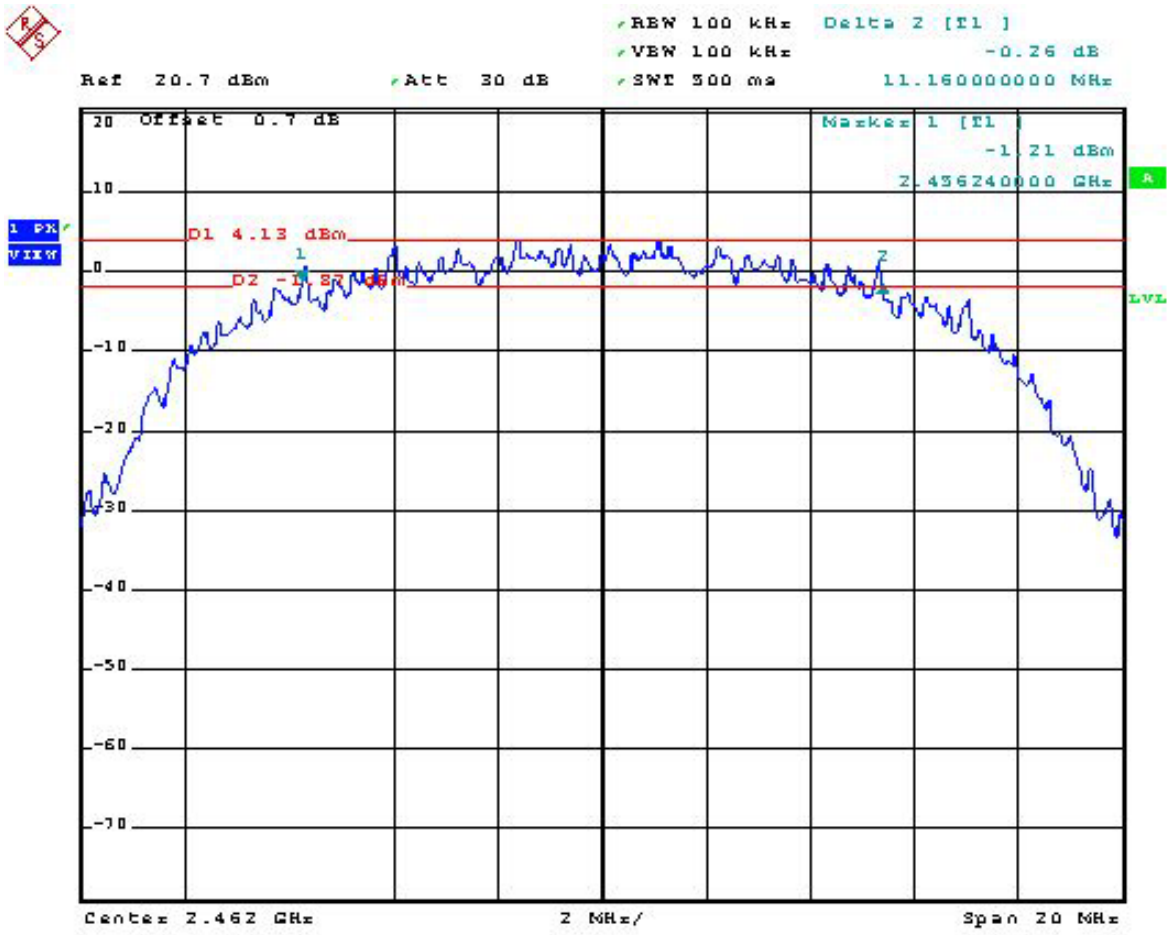
Mode 1 : 802.11b Tx CH01 (2412MHz)



Mode 2 : 802.11b Tx CH06 (2437MHz)



Mode 3 : 802.11b Tx CH11(2462MHz)



5.3 Power Spectral Density

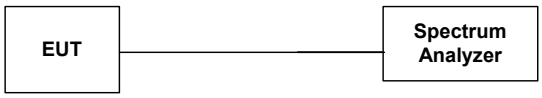
5.3.1 Measuring Instruments：

As described in chapter 9 of this test report.

5.3.2 Test Procedure：

1. The transmitter output was connected to spectrum analyzer directly.
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：



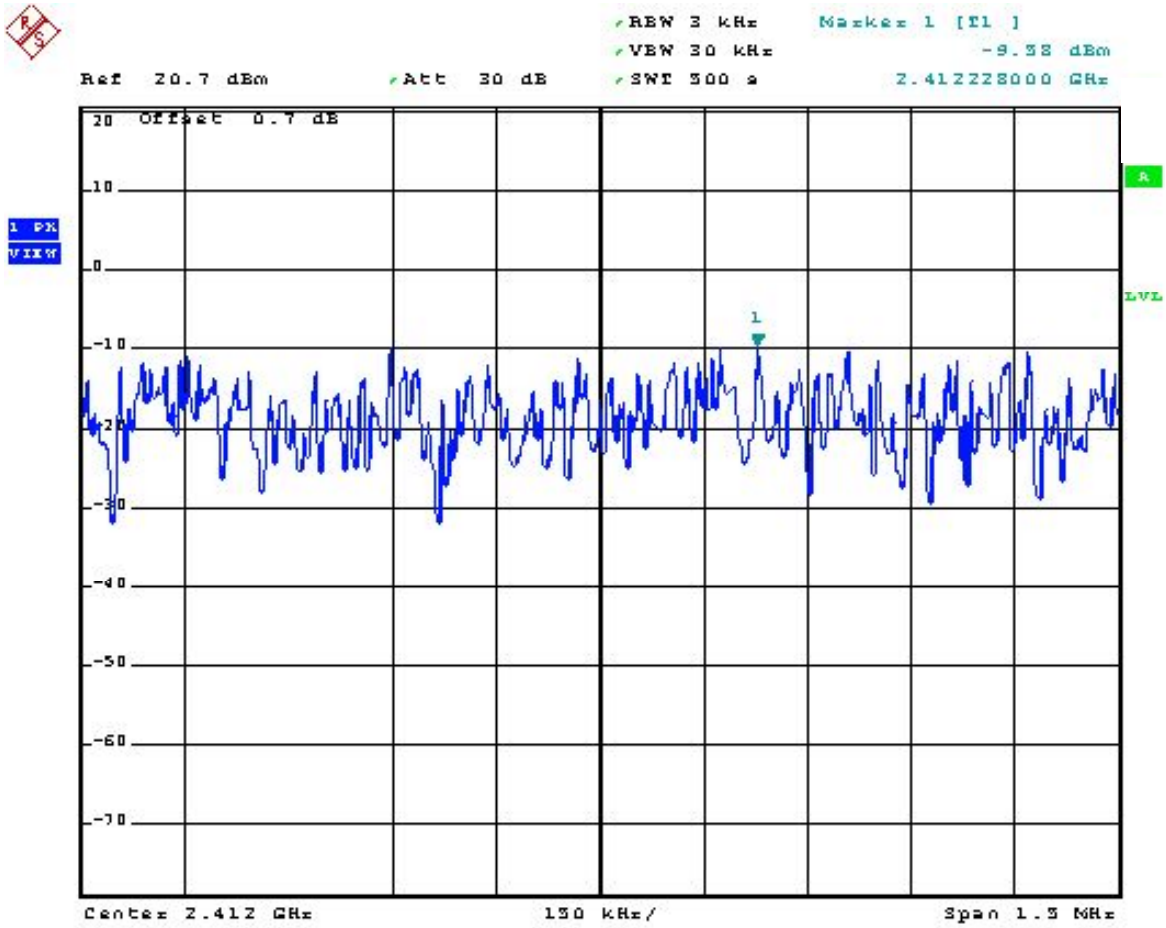
5.3.4 Test Result：

- Mode 1~3: 802.11b
- Temperature : 24°C,
- Relative Humidity : 47%

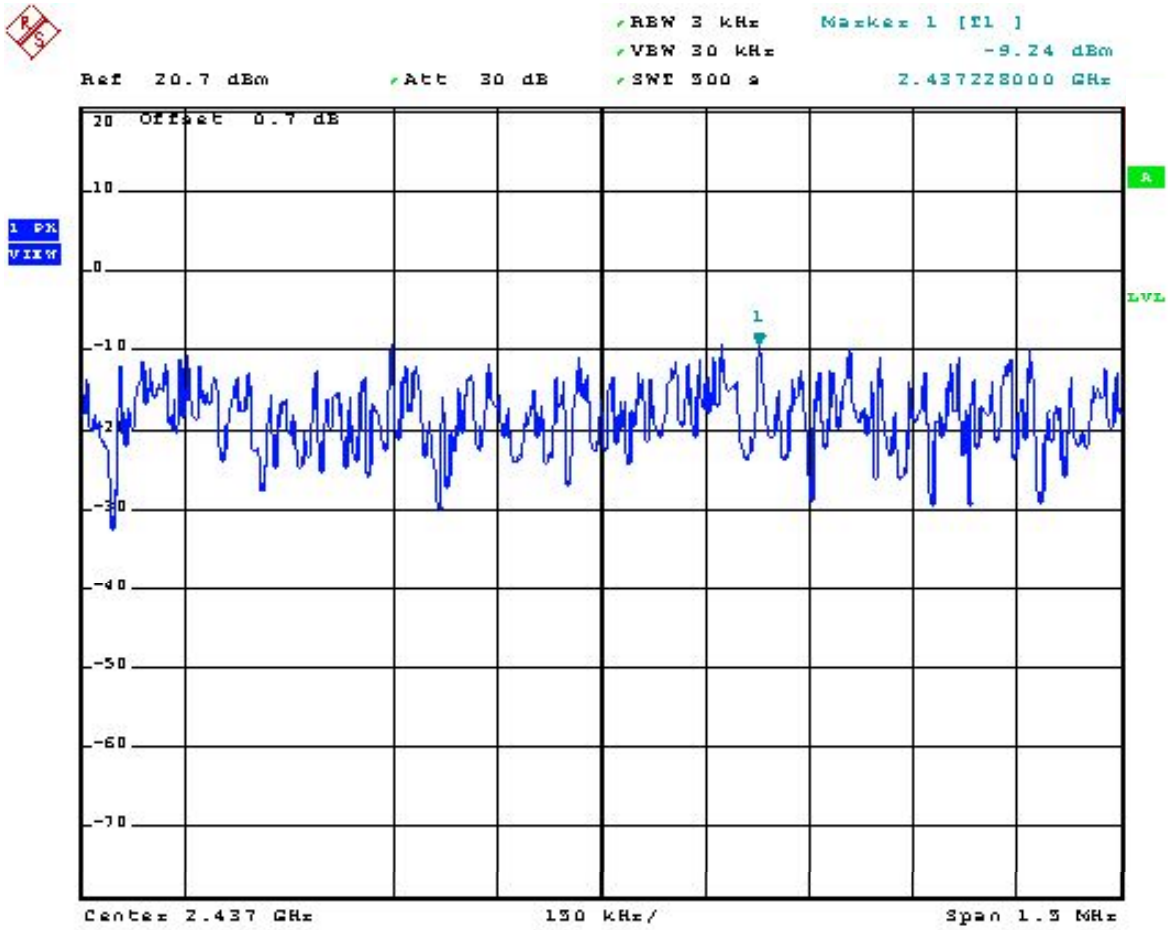
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-9.58	8	Mode 1
06	2437	-9.24	8	Mode 2
11	2462	-10.05	8	Mode 3

5.3.5 Power Spectral Density

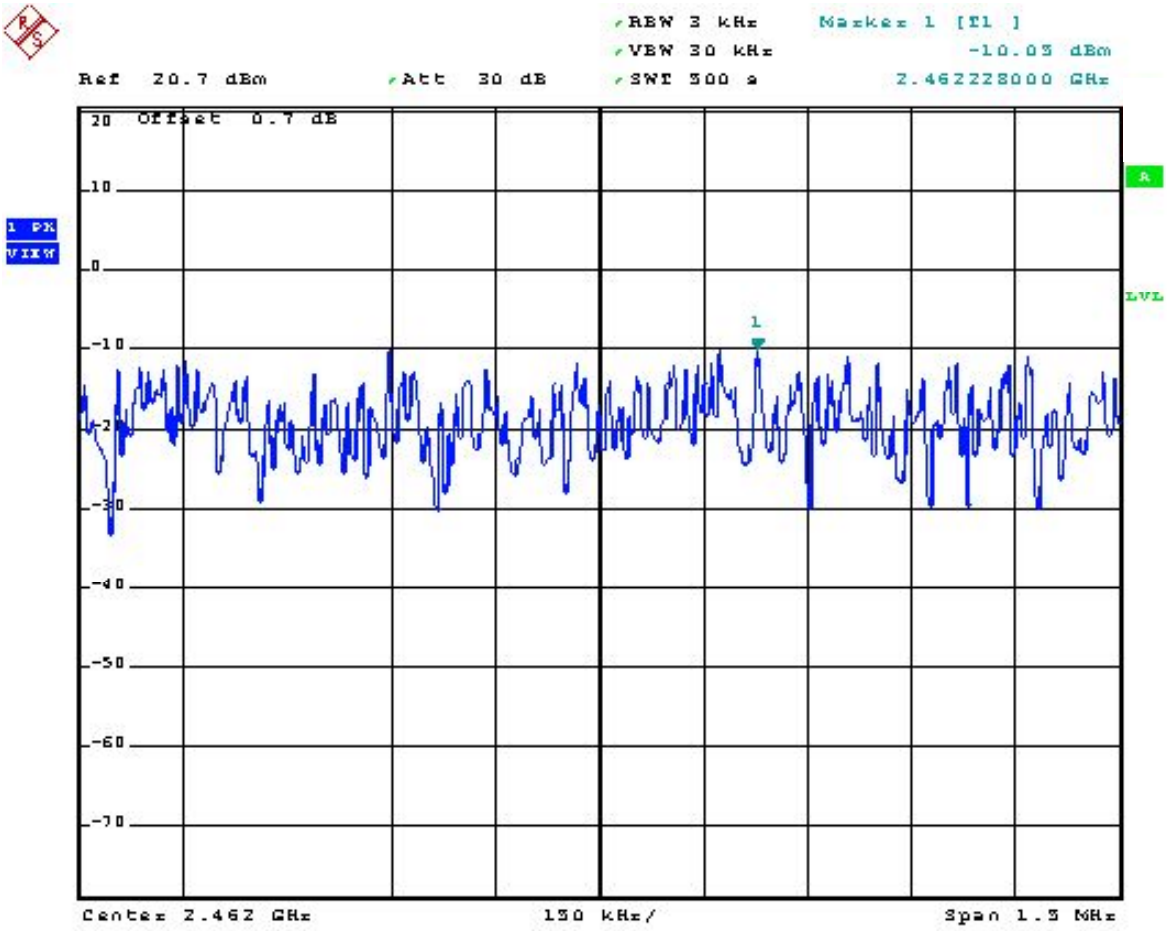
Mode 1 : 802.11b Tx CH01(2412MHz)



Mode 2 : 802.11b Tx CH06 (2437MHz)



Mode 3 : 802.11b Tx CH11 (2462MHz)



5.4 Band Edges Measurement

5.4.1 Measuring Instruments：

As described in chapter 9 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 : 802.11b
- Temperature : 24°C,
- Relative Humidity : 47%

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

5.4.4 Note on Band Edge Emission

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	51.38	-22.62	74.00	55.51	28.40	35.85	3.32	Peak
2390.00	39.80	-14.20	54.00	43.93	28.40	35.85	3.32	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	51.08	-22.92	74.00	55.21	28.40	35.85	3.32	Peak
2390.00	39.52	-14.48	54.00	43.65	28.40	35.85	3.32	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2328.00	52.08	-21.92	74.00	56.11	28.33	35.63	3.27	Peak
2328.00	40.37	-13.63	54.00	44.40	28.33	35.63	3.27	Average

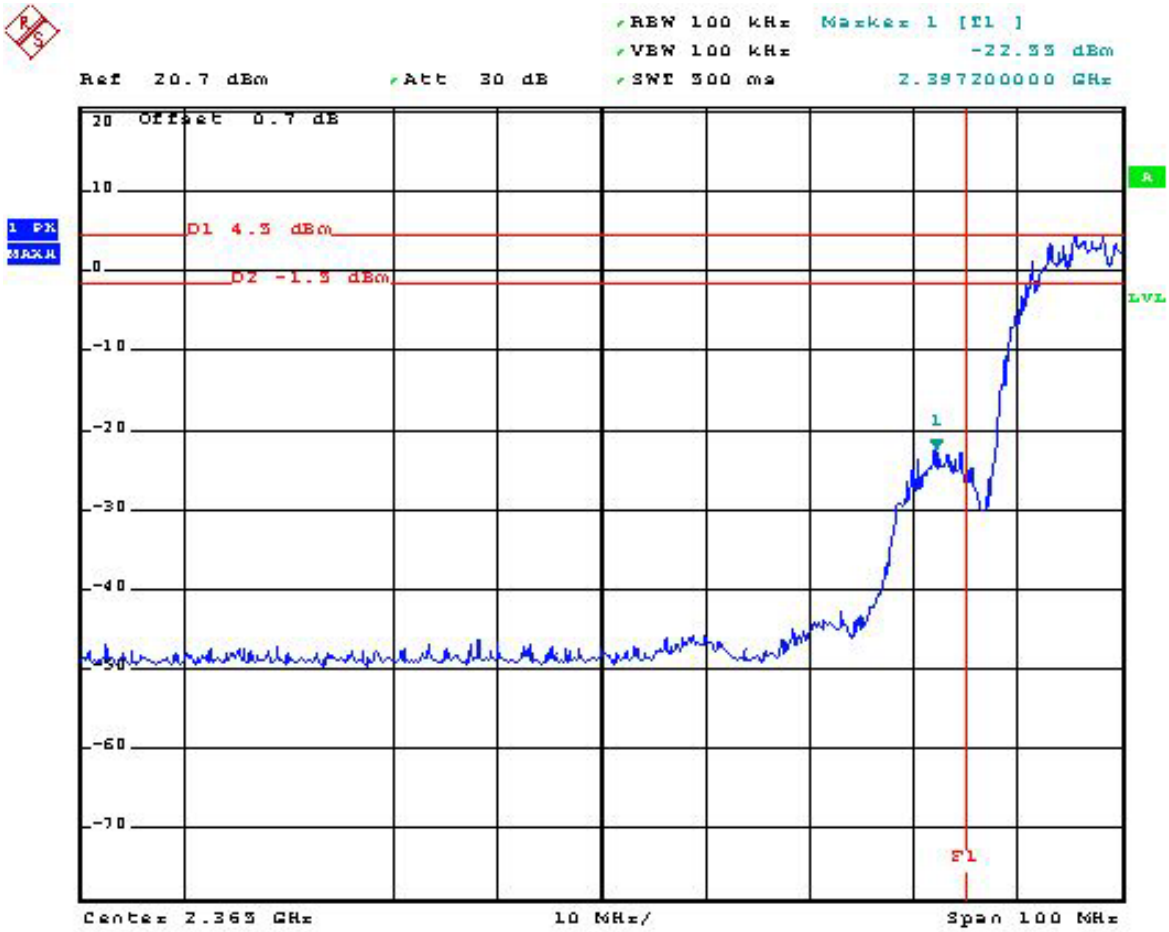
CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2388.00	52.62	-21.38	74.00	56.74	28.40	35.82	3.31	Peak
2388.00	40.46	-13.54	54.00	44.58	28.40	35.82	3.31	Average

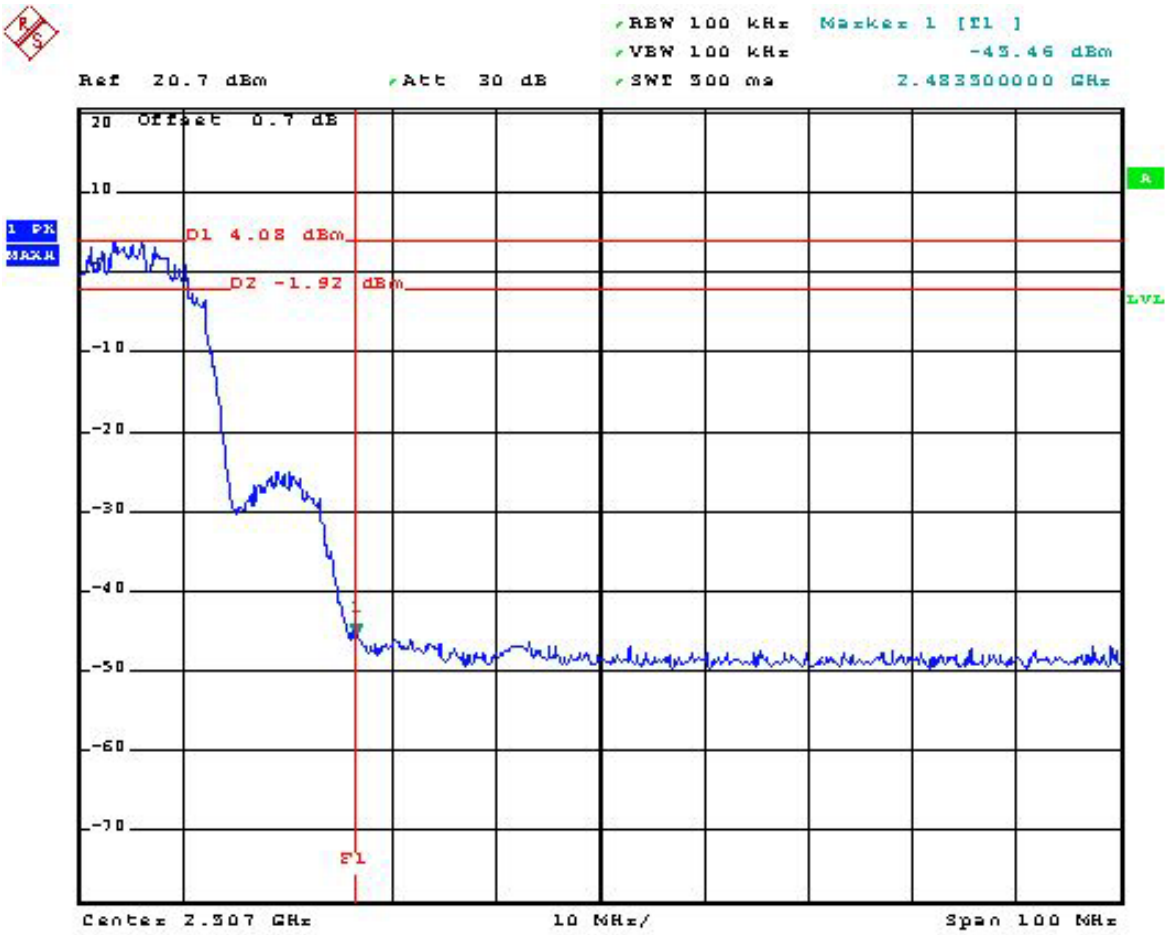
∗Remark: The data above can refer to radiated emission in section 6.

5.4.7 20dB Band Edge

Mode1 : 802.11b Tx CH01 (2412MHz)



Mode 3 : 802.11b Tx CH11 (2462MHz)



5.5 Peak Output Power

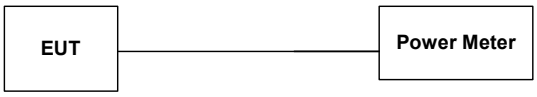
5.5.1 Measuring Instruments：

As described in chapter 9 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 : 802.11b
- Temperature : 24°C
- Relative Humidity : 47 %

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	16.5	1W/30 dBm
06	2437	16.3	1W/30 dBm
11	2462	16.1	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 C63.4-2003 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

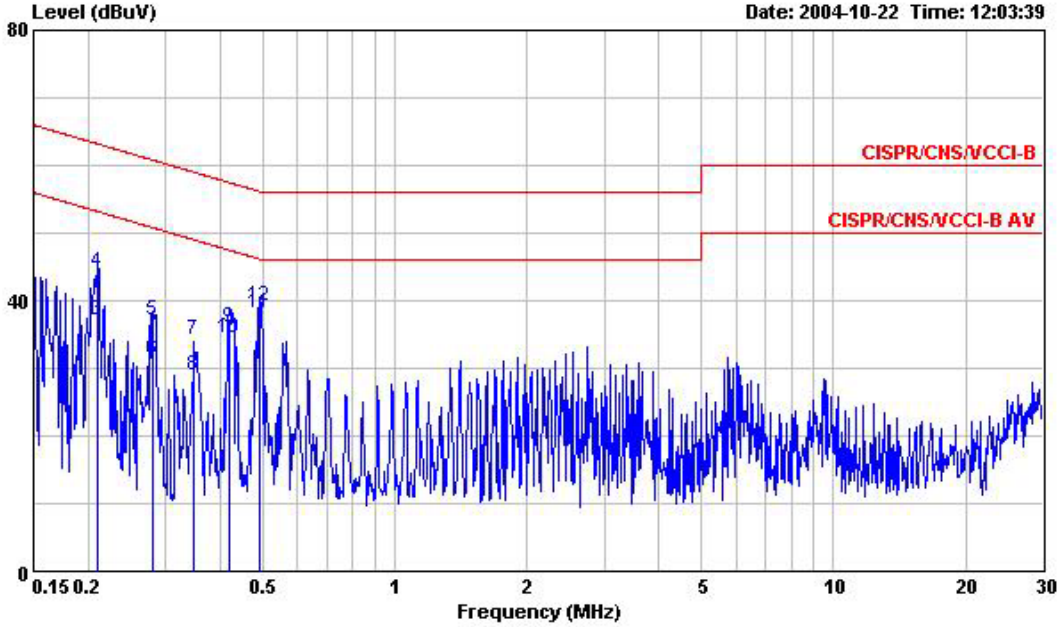
a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power port of the line impedance stabilization network (LISN).
c. All the support units are connect to the other LISN.
d. The 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

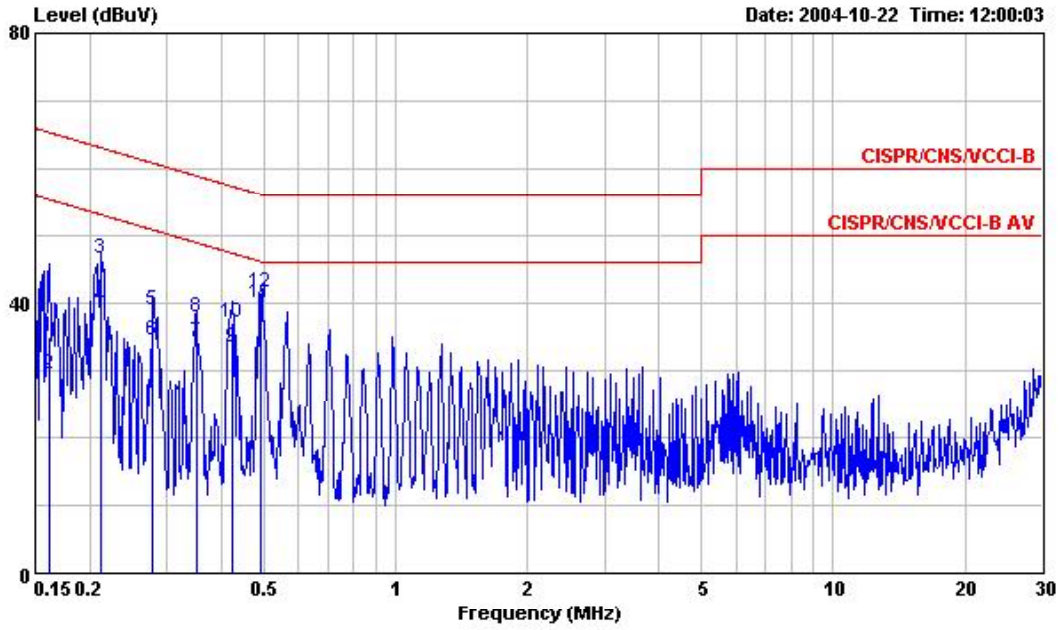
- Test Mode : Mode 1
- Temperature :27°C
- Relative Humidity : 57 %

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



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B 2004/004 LINE
EUT : Tablet PC
POWER: AC 120V / 60Hz
MODEL : Tablet PC
MEMO : Link mode

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1500000	20.57	-35.43	56.00	20.46	0.10	0.01	Average
2	0.1500000	37.61	-28.39	66.00	37.50	0.10	0.01	QP
3	0.2105510	37.15	-16.03	53.18	37.04	0.10	0.01	Average
4	0.2105510	44.17	-19.01	63.18	44.06	0.10	0.01	QP
5	0.2817820	37.03	-23.73	60.76	36.92	0.10	0.01	QP
6	0.2817820	31.34	-19.42	50.76	31.23	0.10	0.01	Average
7	0.3483010	34.25	-24.75	59.00	34.13	0.10	0.02	QP
8	0.3483010	28.91	-20.09	49.00	28.79	0.10	0.02	Average
9	0.4192670	36.04	-21.42	57.46	35.92	0.10	0.02	QP
10	0.4192670	34.56	-12.90	47.46	34.44	0.10	0.02	Average
11	0.4914980	38.15	-7.99	46.14	38.03	0.10	0.02	Average
12	0.4914980	39.16	-16.98	56.14	39.04	0.10	0.02	QP



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B 2004/004 NEUTRAL
EUT : Tablet PC
POWER: AC 120V / 60Hz
MODEL : Tablet PC
MEMO : Link mode

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1615500	35.02	-30.36	65.38	34.91	0.10	0.01	QP
2	0.1615500	29.39	-25.99	55.38	29.28	0.10	0.01	Average
3	0.2116700	46.46	-16.68	63.14	46.35	0.10	0.01	QP
4	0.2116700	39.51	-13.63	53.14	39.40	0.10	0.01	Average
5	0.2788120	38.84	-22.01	60.85	38.73	0.10	0.01	QP
6	0.2788120	34.56	-16.29	50.85	34.45	0.10	0.01	Average
7	0.3501520	34.31	-14.65	48.96	34.19	0.10	0.02	Average
8	0.3501520	37.93	-21.03	58.96	37.81	0.10	0.02	QP
9	0.4237340	33.48	-13.89	47.37	33.36	0.10	0.02	Average
10	0.4237340	37.01	-20.36	57.37	36.89	0.10	0.02	QP
11	@0.4914980	39.87	-6.27	46.14	39.75	0.10	0.02	Average
12	0.4914980	41.47	-14.67	56.14	41.35	0.10	0.02	QP

Test Engineer : Andy

Andy

7. Test of Radiated Emission

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defined in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

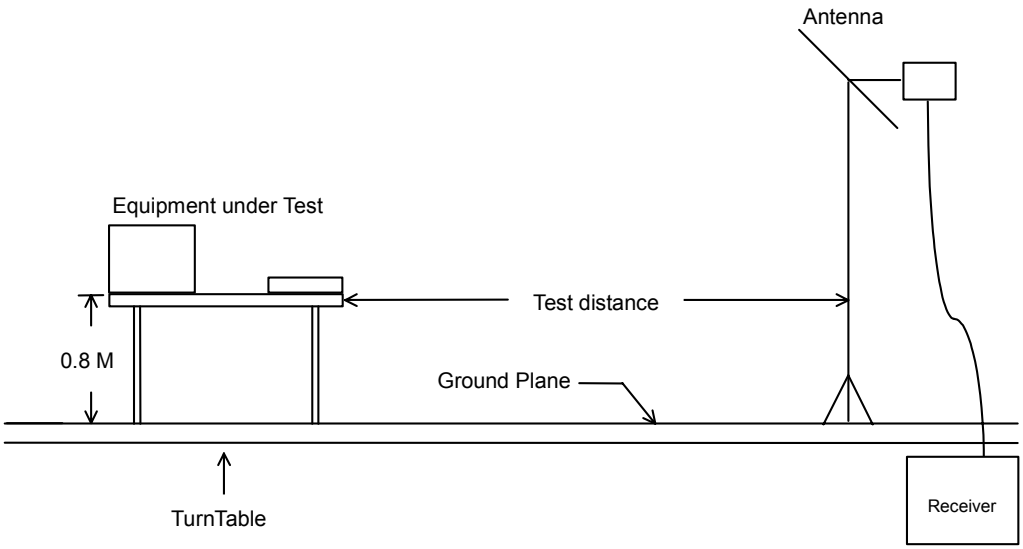
7.1. Major Measuring Instruments

● Amplifier	(MITEQ AFS44)
RF Gain	40 dB
Signal Input	100 MHz to 26.5 GHz
● Amplifier	(PA-103)
RF Gain	30 dB
Signal Input	100 MHz to 1 GHz
● Spectrum analyzer	(R&S FSP40)
Attenuation	10 dB
Start Frequency	1 GHz
Stop Frequency	25 GHz
Resolution Bandwidth	1 MHz
Video Bandwidth	1 MHz
Signal Input	9 kHz to 40 GHz
● Spectrum analyzer	(R&S FSP40)
Attenuation	10 dB
Start Frequency	30MHz
Stop Frequency	1 GHz
Resolution Bandwidth	120 kHz
Video Bandwidth	300 kHz
Signal Input	9 kHz to 40 GHz

7.2. Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

7.3. Typical Test Setup Layout of Radiated Emission

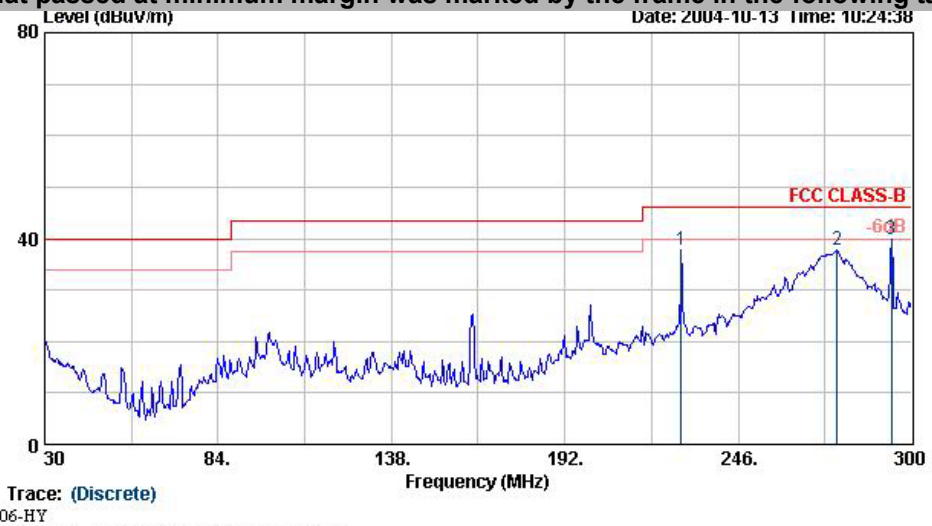


7.4. Test Result of Radiated Emission

7.4.1 Test Mode: Mode 1 (802.11b TX CH01)

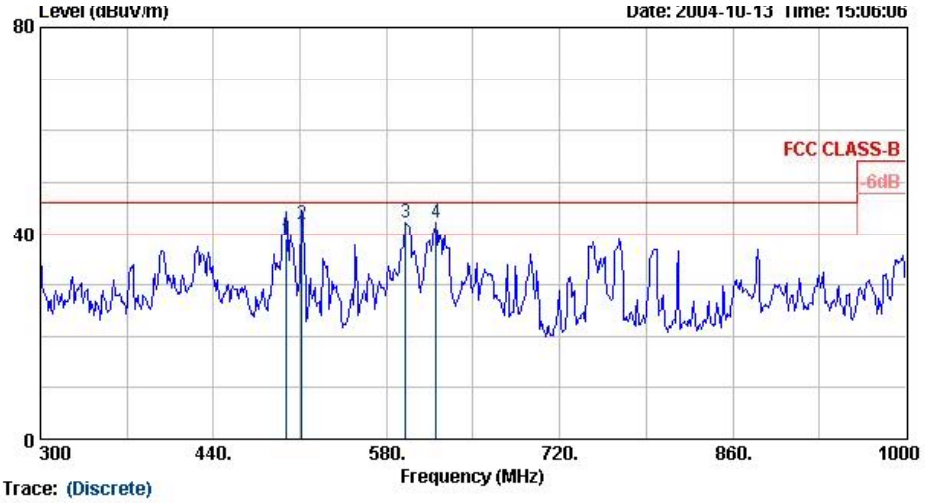
- Test Distance : 3 m
- Temperature : 27 °C
- Relative Humidity :57 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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



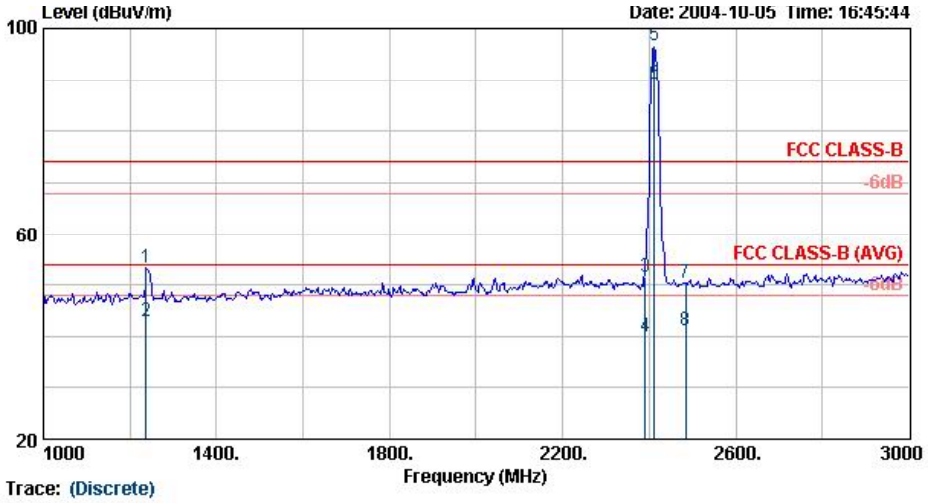
Site : 03CH06-HY
Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	228.18	37.74	-8.26	46.00	58.28	9.38	31.80	1.87	Peak	---	---
2 @	276.78	37.77	-8.23	46.00	55.12	12.50	31.97	2.12	Peak	---	---
3 @	293.79	39.74	-6.26	46.00	56.60	12.86	31.94	2.22	Peak	---	---



Site : 03CH06-HY
Condition : FCC CLASS-B 3m BI LOG 2004 0629 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

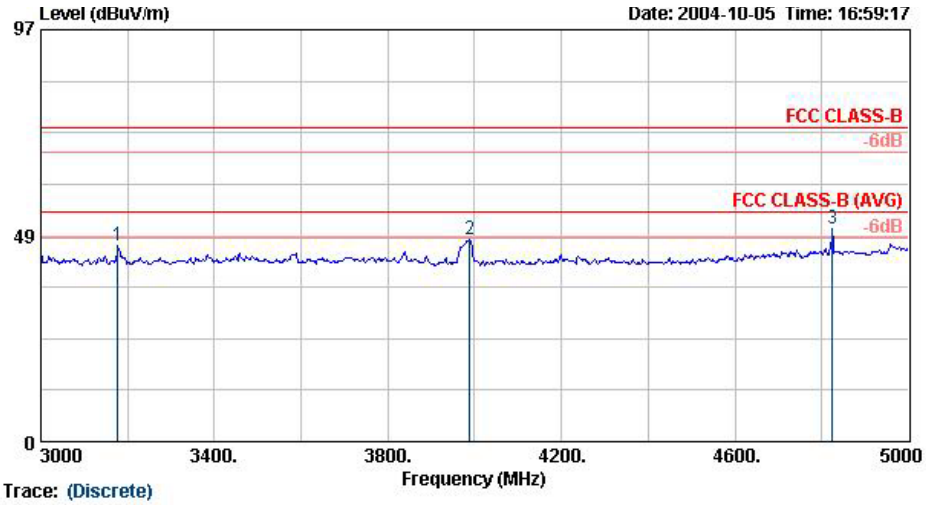
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	498.80	38.87	-7.13	46.00	50.12	17.30	31.41	2.87	QP	---	---
2 @	511.40	42.07	-3.93	46.00	53.45	17.11	31.49	2.99	QP	100	331
3 @	595.40	42.12	-3.88	46.00	51.41	18.70	31.25	3.27	Peak	---	---
4 @	619.90	42.21	-3.79	46.00	51.80	18.76	31.53	3.18	Peak	---	---



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

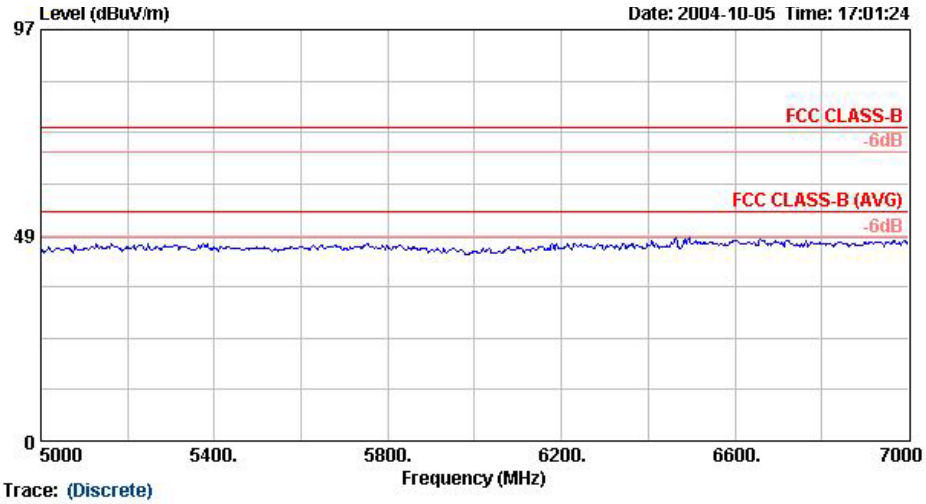
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	1238.00	53.16	-20.84	74.00	59.29	24.72	33.19	2.33	Peak	---	---
2 @	1238.00	43.02	-10.98	54.00	49.15	24.72	33.19	2.33	Average	---	---
3 @	2390.00	51.38	-22.62	74.00	55.51	28.40	35.85	3.32	Peak	---	---
4 @	2390.00	39.80	-14.20	54.00	43.93	28.40	35.85	3.32	Average	---	---
5 @	2412.00	96.59			100.70	28.41	35.85	3.32	Peak	141	262
6 @	2412.00	89.29			93.40	28.41	35.85	3.32	Average	---	---
7 @	2483.50	50.35	-23.65	74.00	54.43	28.48	35.94	3.38	Peak	---	---
8 @	2483.50	41.04	-12.96	54.00	45.12	28.48	35.94	3.38	Average	---	---

Remark: #5 and 6 Fundamental Signal

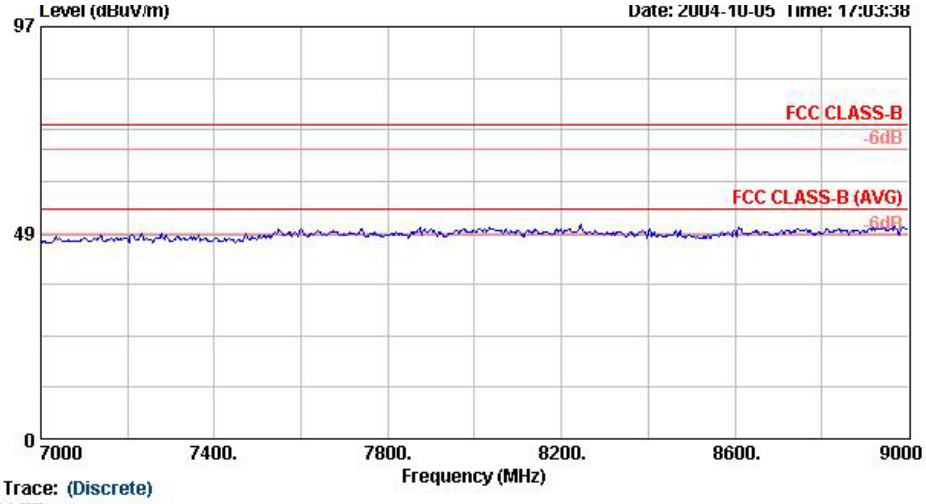


Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

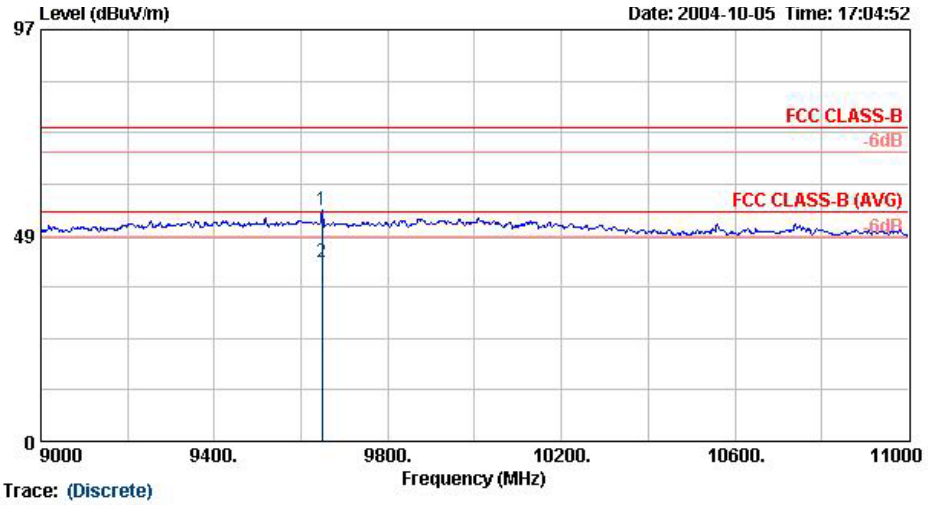
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	3178.00	46.30	-27.70	74.00	49.30	30.00	36.67	3.67	Peak	---	---
2 @	3988.00	47.78	-26.22	74.00	50.40	30.50	37.41	4.29	Peak	---	---
3 @	4824.00	49.95	-24.05	74.00	48.59	32.36	35.78	4.77	Peak	---	---



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

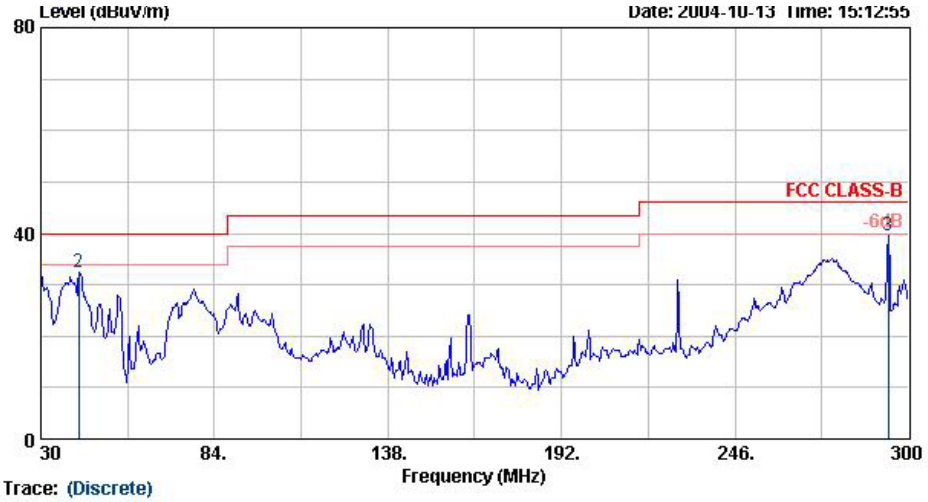


Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

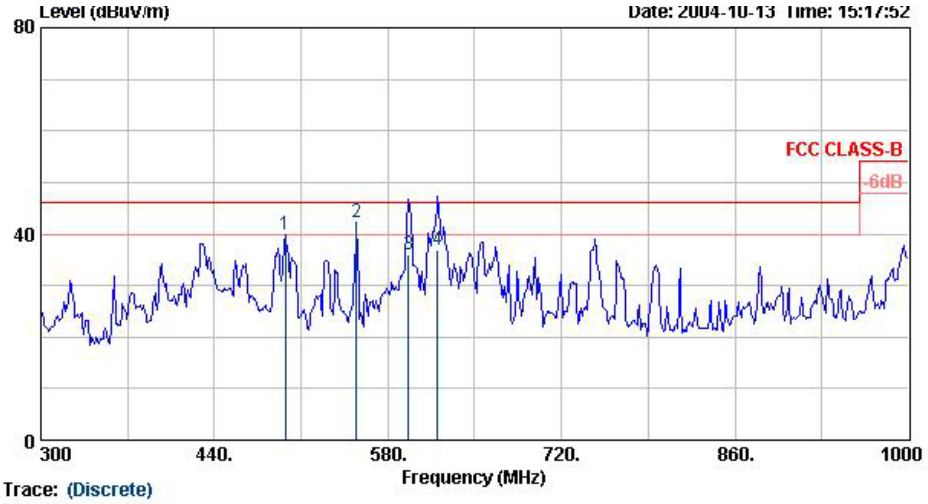
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	9648.00	54.59	-19.41	74.00	46.01	38.16	37.50	7.92	Peak	---	---
2 @	9648.00	42.20	-11.80	54.00	33.63	38.16	37.50	7.92	Average	---	---



Trace: (Discrete)

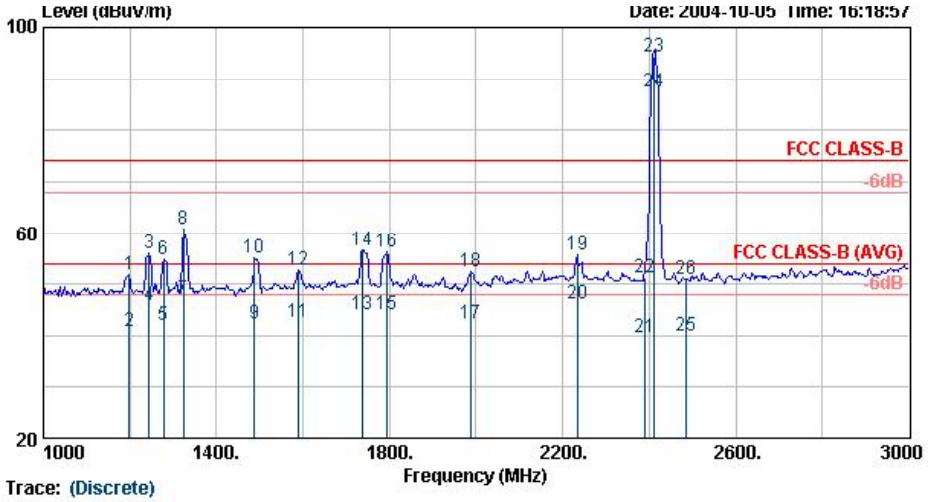
Site : 03CH06-HY
Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	30.00	32.40	-7.60	40.00	45.66	17.90	32.12	0.96	Peak	---	---
2 @	41.88	32.34	-7.66	40.00	51.99	11.49	32.22	1.08	Peak	---	---
3 @	293.79	39.58	-6.42	46.00	56.44	12.86	31.94	2.22	Peak	---	---



Site : 03CH06-HY
Condition : FCC CLASS-B 3m BI LOG 2004 0629 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

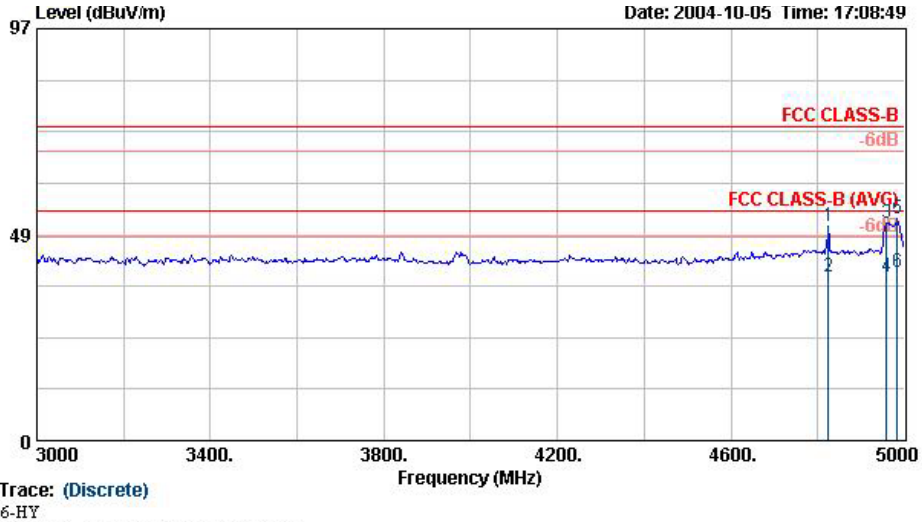
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	497.40	39.75	-6.25	46.00	51.03	17.30	31.43	2.85	Peak	---	---
2 @	554.80	42.16	-3.84	46.00	51.73	18.69	31.48	3.22	Peak	---	---
3 @	596.80	35.87	-10.13	46.00	45.12	18.70	31.26	3.31	QP	---	---
4 @	619.90	36.95	-9.05	46.00	46.54	18.76	31.53	3.18	QP	---	---



Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

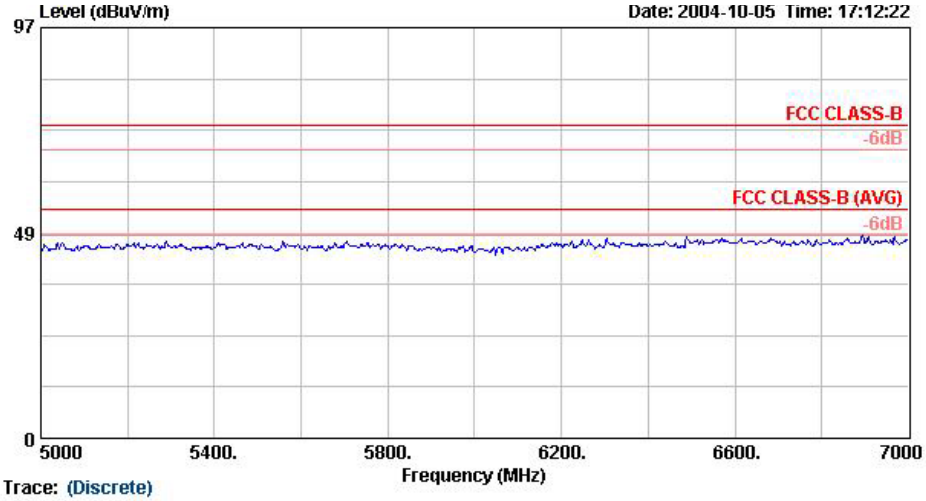
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	1198.00	51.72	-22.28	74.00	57.90	24.62	33.11	2.30	Peak	---	---
2 @	1198.00	40.94	-13.06	54.00	47.12	24.62	33.11	2.30	Average	---	---
3 @	1244.00	56.13	-17.87	74.00	62.32	24.72	33.27	2.36	Peak	---	---
4 @	1244.00	45.96	-8.04	54.00	52.15	24.72	33.27	2.36	Average	---	---
5 @	1278.00	41.98	-12.02	54.00	48.12	24.83	33.35	2.38	Average	---	---
6 @	1278.00	54.76	-19.24	74.00	60.90	24.83	33.35	2.38	Peak	---	---
7 @	1324.00	46.95	-7.05	54.00	53.04	24.98	33.52	2.44	Average	---	---
8 @	1324.00	60.67	-13.33	74.00	66.76	24.98	33.52	2.44	Peak	---	---
9 @	1488.00	42.30	-11.70	54.00	48.15	25.50	33.95	2.60	Average	---	---
10 @	1488.00	55.01	-18.99	74.00	60.86	25.50	33.95	2.60	Peak	---	---
11 @	1588.00	42.65	-11.35	54.00	48.12	26.00	34.16	2.69	Average	---	---
12 @	1588.00	52.72	-21.28	74.00	58.19	26.00	34.16	2.69	Peak	---	---
13 @	1738.00	43.98	-10.02	54.00	49.23	26.67	34.74	2.82	Average	---	---
14 @	1738.00	56.71	-17.29	74.00	61.95	26.67	34.74	2.82	Peak	---	---
15 @	1794.00	44.07	-9.93	54.00	49.15	27.00	34.95	2.87	Average	---	---
16 @	1794.00	56.31	-17.69	74.00	61.39	27.00	34.95	2.87	Peak	---	---
17 @	1988.00	42.26	-11.74	54.00	47.62	27.92	36.32	3.04	Average	---	---
18 @	1988.00	52.46	-21.54	74.00	57.82	27.92	36.32	3.04	Peak	---	---
19 @	2234.00	55.54	-18.46	74.00	59.35	28.24	35.25	3.20	Peak	---	---
20 @	2234.00	46.32	-7.68	54.00	50.12	28.24	35.25	3.20	Average	---	---
21 @	2390.00	39.52	-14.48	54.00	43.65	28.40	35.85	3.32	Average	---	---
22 @	2390.00	51.08	-22.92	74.00	55.21	28.40	35.85	3.32	Peak	---	---
23 @	2412.00	94.48			98.59	28.41	35.85	3.32	Peak	100	287
24 @	2412.00	87.41			91.52	28.41	35.85	3.32	Average	---	---
25 @	2483.50	40.07	-13.93	54.00	44.15	28.48	35.94	3.38	Average	---	---
26 @	2483.50	51.00	-23.00	74.00	55.08	28.48	35.94	3.38	Peak	---	---

Remark: #23 and 24 Fundamental Signal



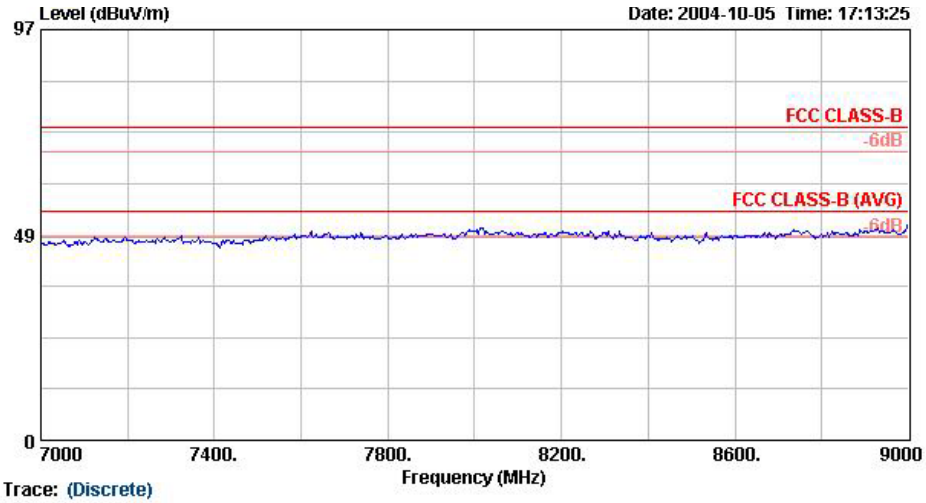
Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	4824.00	50.57	-23.43	74.00	49.22	32.36	35.78	4.77	Peak	---	---
2 @	4824.00	38.50	-15.50	54.00	37.15	32.36	35.78	4.77	Average	---	---
3 @	4958.00	51.34	-22.66	74.00	50.08	33.27	36.88	4.87	Peak	---	---
4 @	4958.00	38.71	-15.29	54.00	37.45	33.27	36.88	4.87	Average	---	---
5 @	4984.00	52.11	-21.89	74.00	50.94	33.39	37.10	4.89	Peak	---	---
6 @	4984.00	39.51	-14.49	54.00	38.34	33.39	37.10	4.89	Average	---	---



Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz



Trace: (Discrete)

Site : 03CH06-HY
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : Table PC
Power : 120Vac/60Hz
Model : Tablet PC
Memo : TX CH01 2412MHz