

FCC TEST REPORT

for

47 CFR Part 15 Subpart C and IC RSS-210

Equipment / Trade Name / Model No. : 1. WLAN ACCESS POINT / Arcadyan / WA4001C 1-ZZ
2. Wireless G Travel Router / Belkin / F5D7233

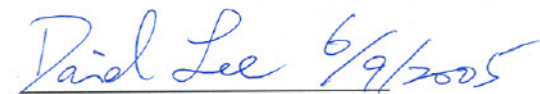
FCC ID : RAXWA4001CB

IC ID : 4711A-WA4001CB

Filing Type : Certification

Applicant : Arcadyan Technology Corporation
4F, No. 9, Park Avenue II, Science-based Industrial Park,
Hsinchu 300, Taiwan

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- The data shown in this test report were carried out on May 31, 2005 at Sporton International Inc. LAB.



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Table of Contents

History of this test report.....ii

1. General Description of Equipment under Test..... 1

 1.1. Applicant..... 1

 1.2. Manufacturer..... 1

 1.3. Basic Description of Equipment under Test..... 1

 1.4. Feature of Equipment under Test..... 2

2 Test Configuration of Equipment under Test3

 2.1 Test Manner..... 3

 2.2 Test Mode..... 3

 2.3 Connection Diagram of Test System 4

 2.4 Ancillary Equipment List..... 4

3. RF Utility5

4. General Information of Test.....6

 4.1 Test Voltage..... 6

 4.2 Standard for Methods of Measurement 6

 4.3 Test in Compliance with 6

 4.4 Frequency Range Investigated..... 6

 4.5 Test Distance..... 6

5. Test Data and Test Result.....7

 5.1 List of Measurements and Examinations 7

 5.2 6dB Bandwidth Measurement 8

 5.3 Power Spectral Density Measurement..... 16

 5.4 Band Edges Measurement..... 24

 5.5 Peak Output Power Measurement..... 32

 5.6 Conducted Emission Measurement..... 34

 5.7 Radiated Emission Measurement..... 41

 5.8 Antenna Requirements 54

6. List of Measuring Equipments Used55

7. Uncertainty Evaluation.....56

Appendix A. Photographs of EUT External

Appendix B. Photographs of EUT Internal

Appendix C. Photographs of Setup



History of this test report

Report Issue Date: Jun. 01, 2005

Original Report Issue Date	Description



1. General Description of Equipment under Test

1.1. Applicant

Arcadyan Technology Corporation

4F, No. 9, Park Avenue II, Science-based Industrial Park, Hsinchu 300, Taiwan

1.2 Manufacturer

Arcadyan Technology Corporation

4F, No. 9, Park Avenue II, Science-based Industrial Park, Hsinchu 300, Taiwan

1.3 Basic Description of Equipment under Test

Equipment / Trade Name / Model No. : 1. WLAN ACCESS POINT / Arcadyan / WA4001C 1-ZZ

2. Wireless G Travel Router / Belkin / F5D7233

FCC ID : RAXWA4001CB

IC ID : 4711A-WA4001CB

Power Supply Type : Switching

AC Power Cord : AC 120V, Non-shielded, Wall-mount, 1.8 meter, 2 pin

Charger 1 : Leader, MU12-2050100-A1

Charger 2 : DVE, DSA-0051-03 FUS



1.4 Feature of Equipment under Test

Product Feature & Specification			
1. Modulation Type	802.11b: DSSS(CCK/DQPSK/DBPSK) 802.11g: OFDM(64QAM/16QAM/DQPSK/DBPSK)		
2. Frequency Range	2400 MHz ~ 2483.5 MHz		
3. Number of Channels	11 Channels		
4. Carrier Frequency of each channel	2412 + (n-1) × 5 MHz; n = 1~11		
5. Channel Bandwidth	22MHz-802.11b 20MHz-802.11g		
6. Maximum Output Power to Antenna (Normal condition)	802.11b: 20.22 dBm 802.11g: 23.91 dBm		
7. Type of Antenna Connector	N/A		
8. Antenna Type and Gain	Antenna A: PCB antenna Antenna B: Fixed dipole		
9. Antenna Gain	Antenna A: 2.0 dBi Antenna B: 1.8 dBi		
10. Function Type	Transmitter		Transceiver V
11. Power Rating (DC/AC , Voltage)	DC 5V		
12. Duty Cycle	100%		
13. Temperature / Humidity Range	0°C to 40°C 5% to 95%		



2 Test Configuration of Equipment under Test

2.1 Test Manner

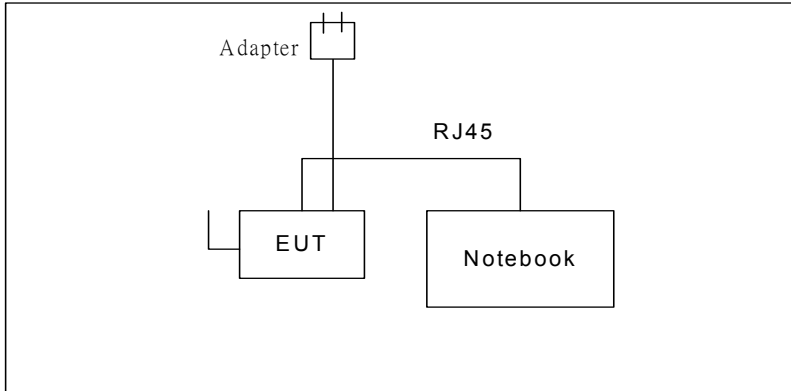
- a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.
- b. For spurious emission below 1GHz, only one channel of each application was tested because it is not related to channel selection.
- c. The EUT is programmed to transmit signal continuously for all testings.
- d. Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2 Test Mode

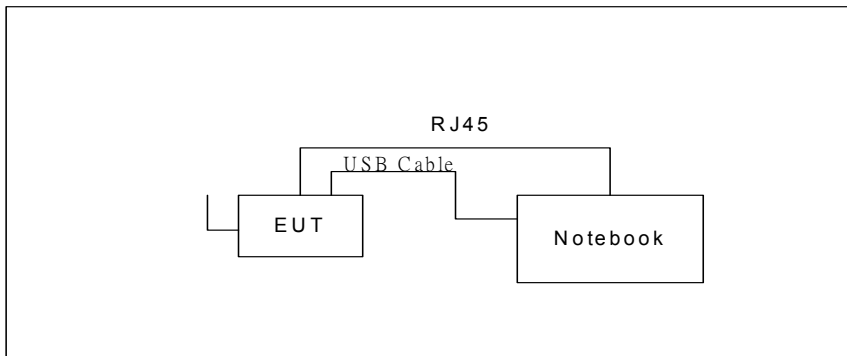
Application	802.11b	802.11g
Radiated Emission	Mode 1: Tx Ch01(2412MHz) for Antenna A	Mode 6: Tx Ch01(2412MHz) for Antenna A
	Mode 2: Tx Ch06(2437MHz) for Antenna A	Mode 7: Tx Ch06(2437MHz) for Antenna A
	Mode 3: Tx Ch11(2462MHz) for Antenna A	Mode 8: Tx Ch06(2437MHz) for DVE Charger
	Mode 4: Tx Ch01(2412MHz) for Antenna B	Mode 9: Tx Ch11(2462MHz) for Antenna A
	Mode 5: Tx Ch11(2462MHz) for Antenna B	Mode 10: Tx Ch01(2412MHz) for Antenna B
Conducted Emission	Mode 1: Ping Mode	
	Mode 2: USB + Ping Mode	
	Mode 3: Ping DVE Mode	
		Mode 11: Tx Ch11(2462MHz) for Antenna B

2.3 Connection Diagram of Test System

<Ping Mode>



<USB+Ping Mode>



2.4 Ancillary Equipment List

Item	Equipment	Model No.	Serial No.
1.	Notebook (DELL)	PP05L	N/A
2.	USB	N/A	N/A



3. RF Utility

The programmed RF Utility is either installed in EUT or Notebook to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testings.



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 : 03CH06-HY

4.1 Test Voltage

120V/ 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2003

4.3 Test in Compliance with

47 CFR Part 15 Subpart C and IC RSS-210 Issue 5

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. Test Data and Test Result

5.1 List of Measurements and Examinations

FCC Rule	IC RSS-210 Issue 5	Description of Test	Result	Section
15.247(a)(2)	Amendment 1	6dB Bandwidth	Pass	5.2
15.247(d)	§ 6.2.2 (o) (b) & Amendment 1	Power Spectral Density	Pass	5.3
15.247 (c)	§ 6.3	100kHz Bandwidth of Frequency Band Edges	Pass	5.4
15.247(b)	§ 6.2.2 (o) (b) & Amendemment 1	Maximum Peak Output Power	Pass	5.5
15.207	§ 6.6	Conducted Emission	Pass	5.6
15.209(a)	§ 6.3	Radiated Emission	Pass	5.7
15.203 15.247(b)(4)	NA	Antenna Requirement	Pass	5.8

5.2 6dB Bandwidth Measurement

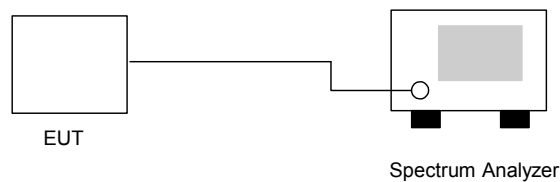
5.2.1 Measuring Instruments :

As described in chapter 6 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 :

- Application Type : 802.11b
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	10.72	0.5	Mode 1
06	2437	11.56	0.5	Mode 2
11	2462	11.36	0.5	Mode 3



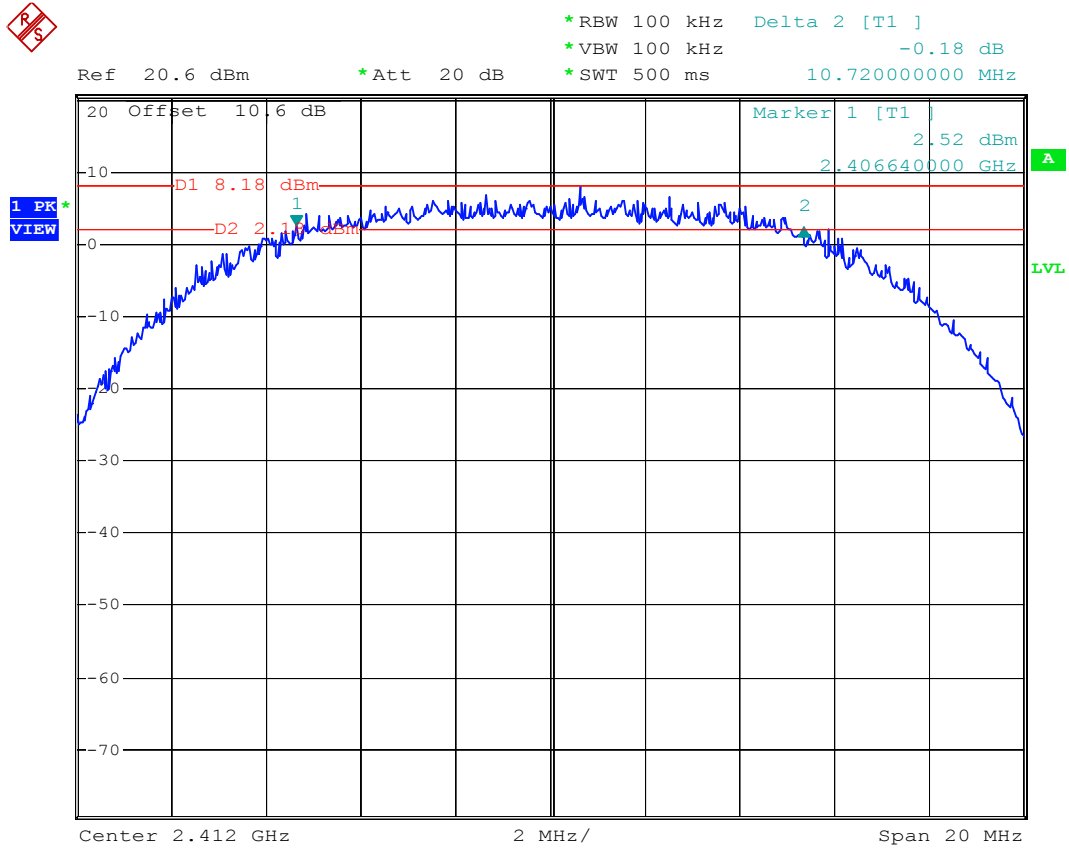
- Application Type : 802.11g
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.52	0.5	Mode 4
06	2437	16.52	0.5	Mode 5
11	2462	16.60	0.5	Mode 6



5.2.5 6dB Bandwidth

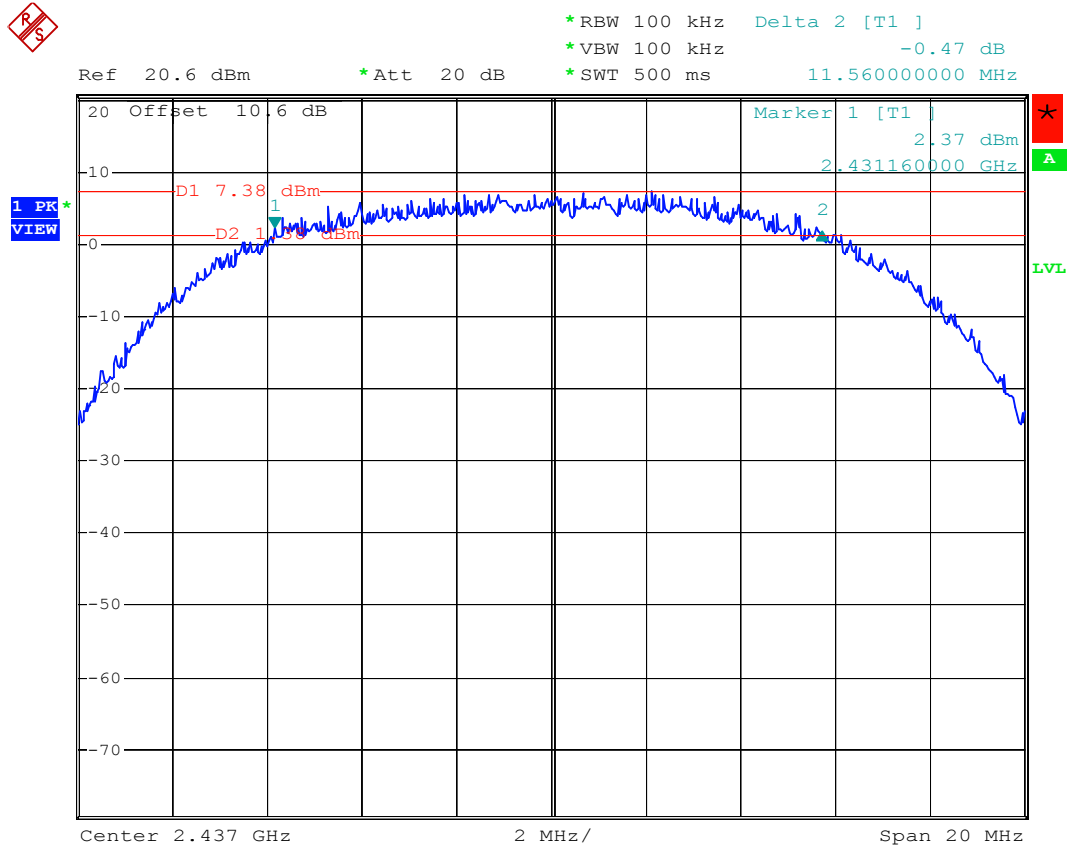
Mode 1 : 802.11b Tx CH01 (2412MHz)



Date: 7.MAY.2005 15:44:25



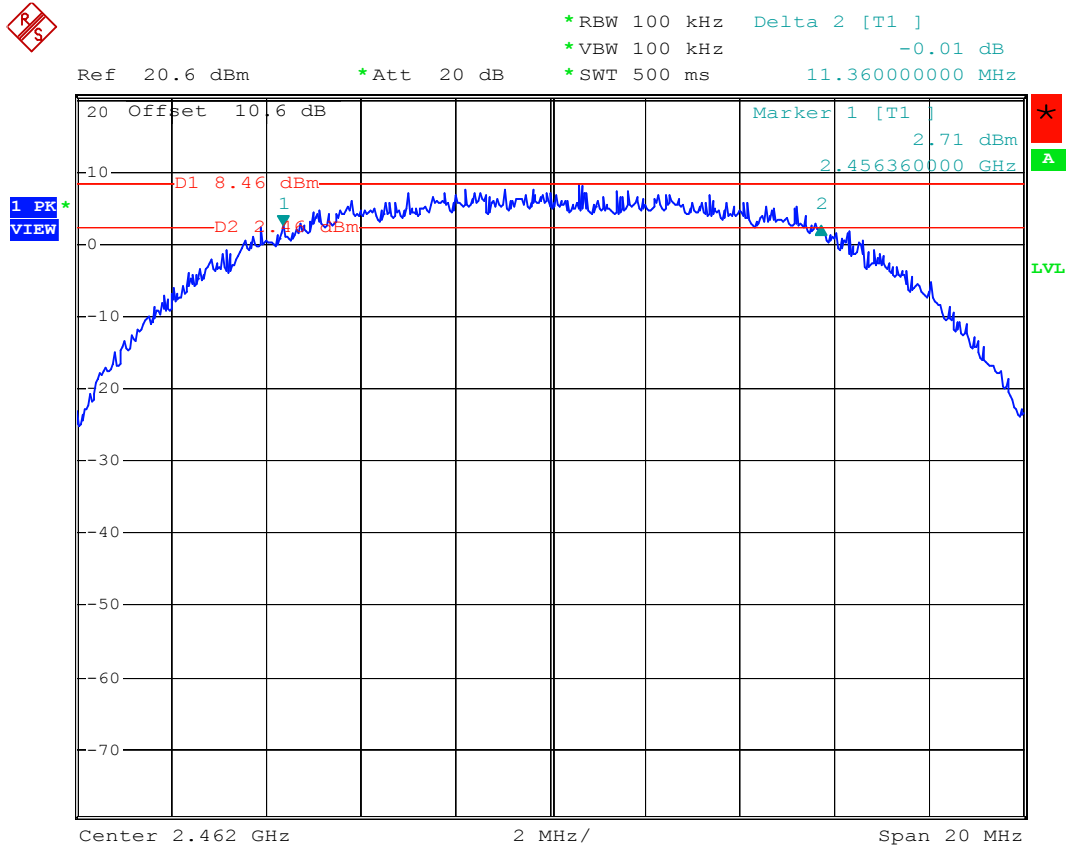
Mode 2 : 802.11b Tx CH06 (2437MHz)



Date: 7.MAY.2005 15:41:08



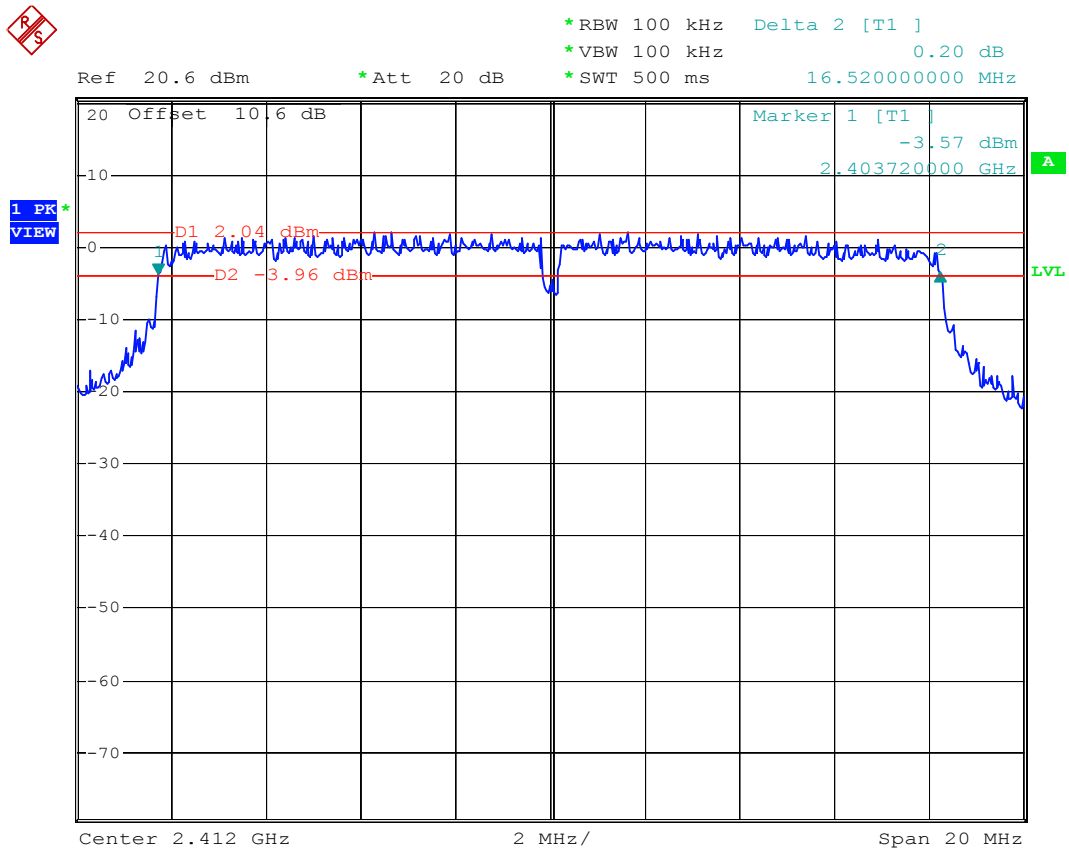
Mode 3 : 802.11b Tx CH11(2462MHz)



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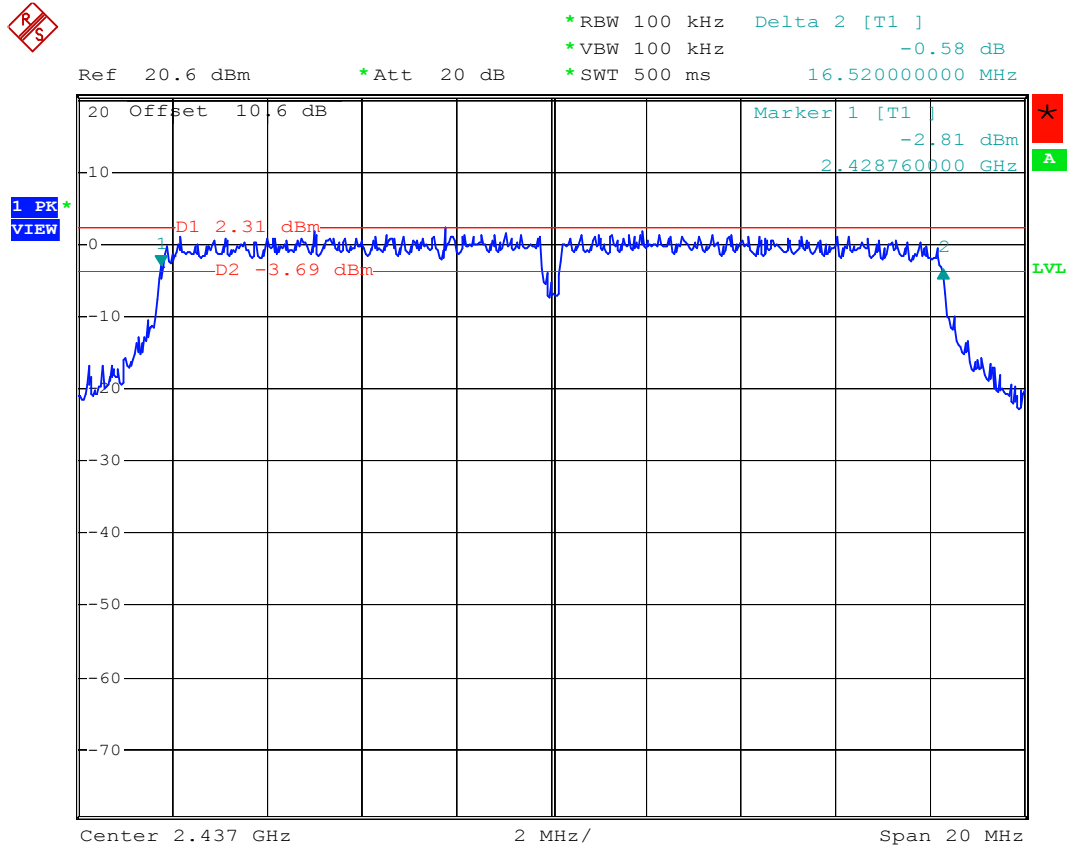
Mode 4 : 802.11g Tx CH01 (2412MHz)



Date: 7.MAY.2005 15:54:46



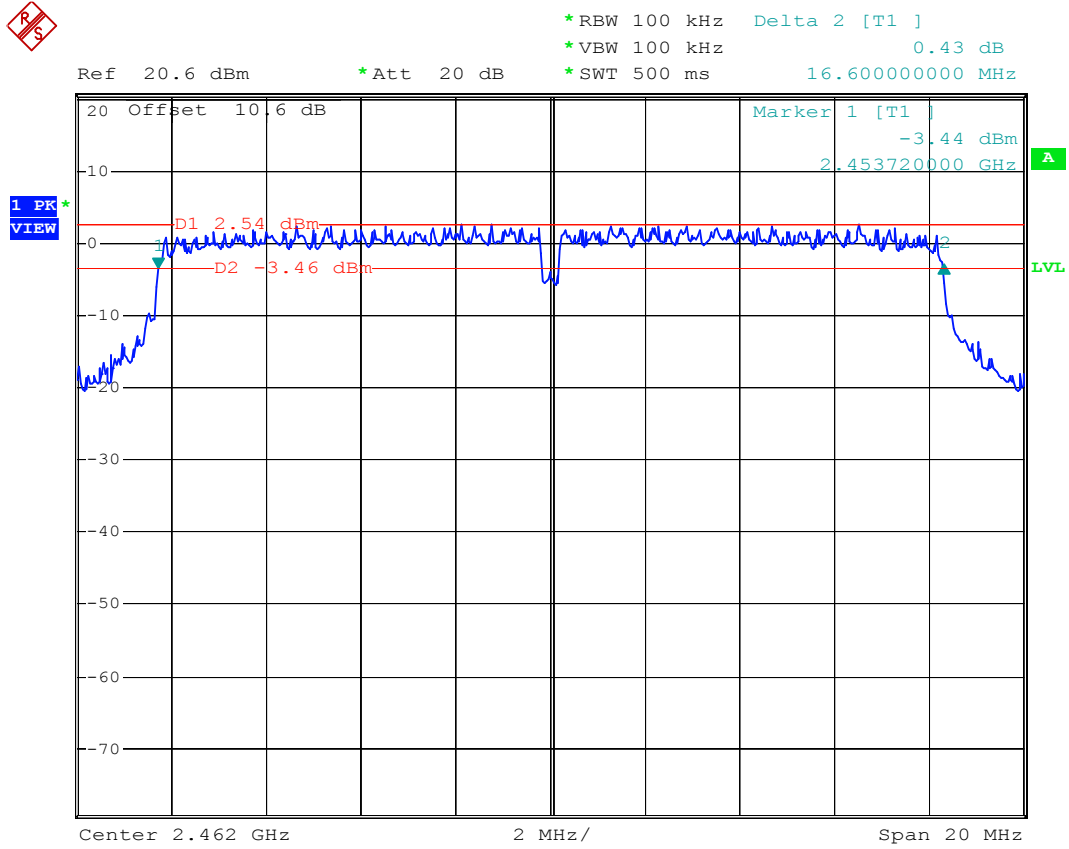
Mode 5 : 802.11g Tx CH06 (2437MHz)



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Mode 6 : 802.11g Tx CH11 (2462MHz)



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5.3 Power Spectral Density Measurement

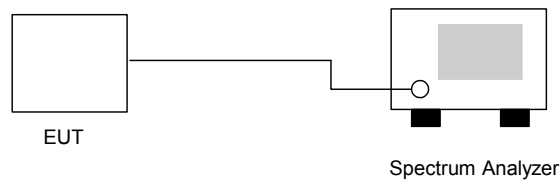
5.3.1 Measuring Instruments :

As described in chapter 6 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 :

- Application Type : 802.11b
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-4.07	8	Mode 1
06	2437	-3.82	8	Mode 2
11	2462	-0.91	8	Mode 3



- Application Type : 802.11g
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-6.87	8	Mode 4
06	2437	-8.40	8	Mode 5
11	2462	-8.02	8	Mode 6



5.3.5 Power Spectral Density

Mode 1 : 802.11b Tx CH01(2412MHz)

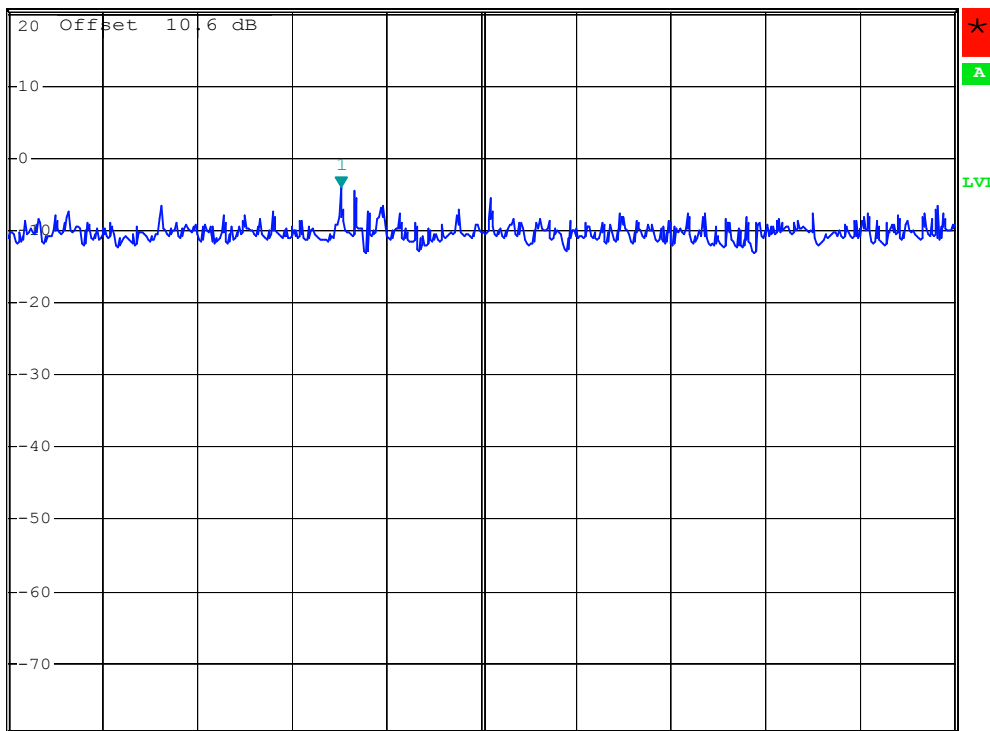


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -4.07 dBm
*SWT 500 s 2.411778000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PR
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Mode 2 : 802.11b Tx CH06 (2437MHz)

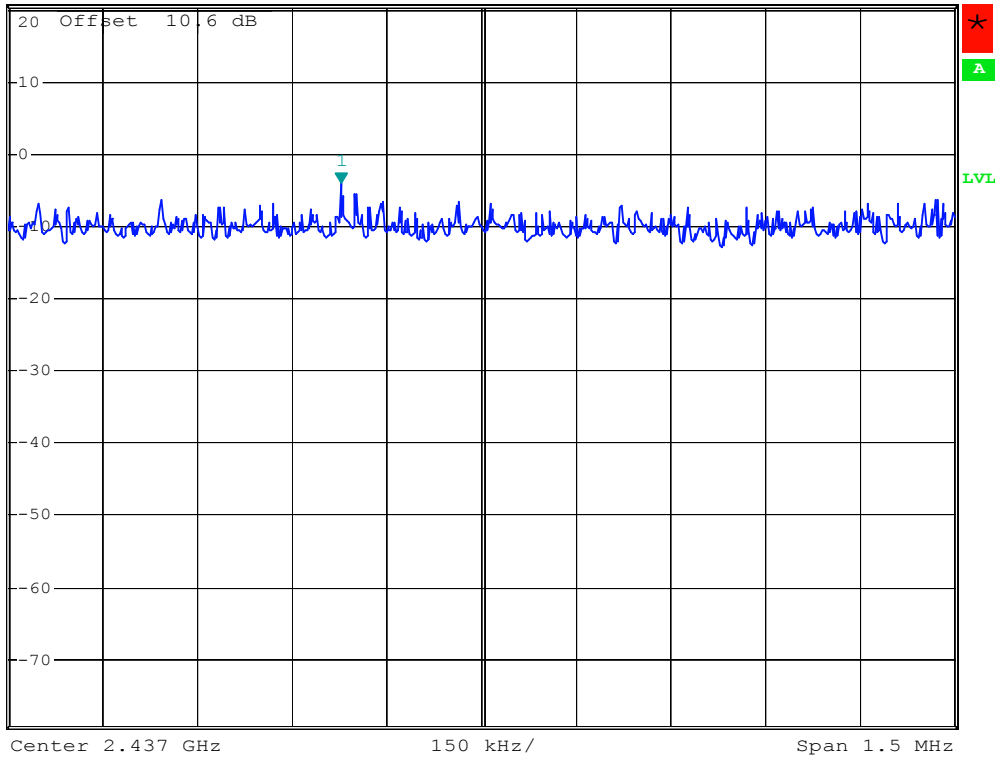


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -3.82 dBm
*SWT 500 s 2.436778000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PK
VIEW



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Mode 3 : 802.11b Tx CH11 (2462MHz)

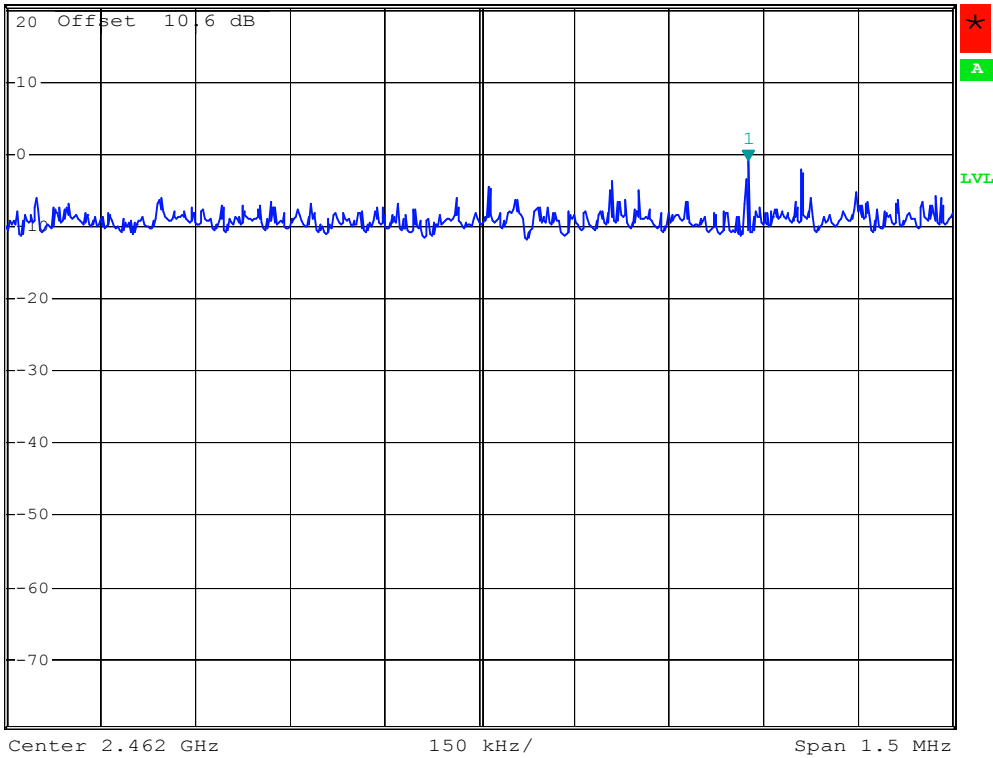


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -0.91 dBm
*SWT 500 s 2.462426000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PK
VIEW



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Mode 4 : 802.11g Tx CH01(2412MHz)

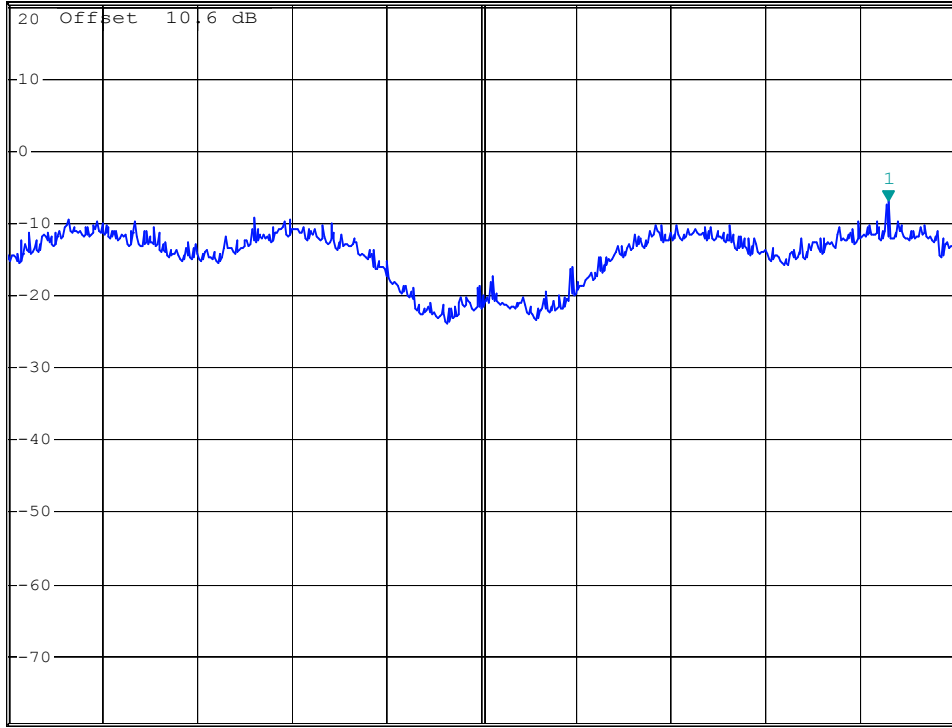


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -6.87 dBm
*SWT 500 s 2.412645000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PK
VIEW



Center 2.412 GHz 150 kHz/ Span 1.5 MHz

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Mode 5 : 802.11g Tx CH06 (2437MHz)

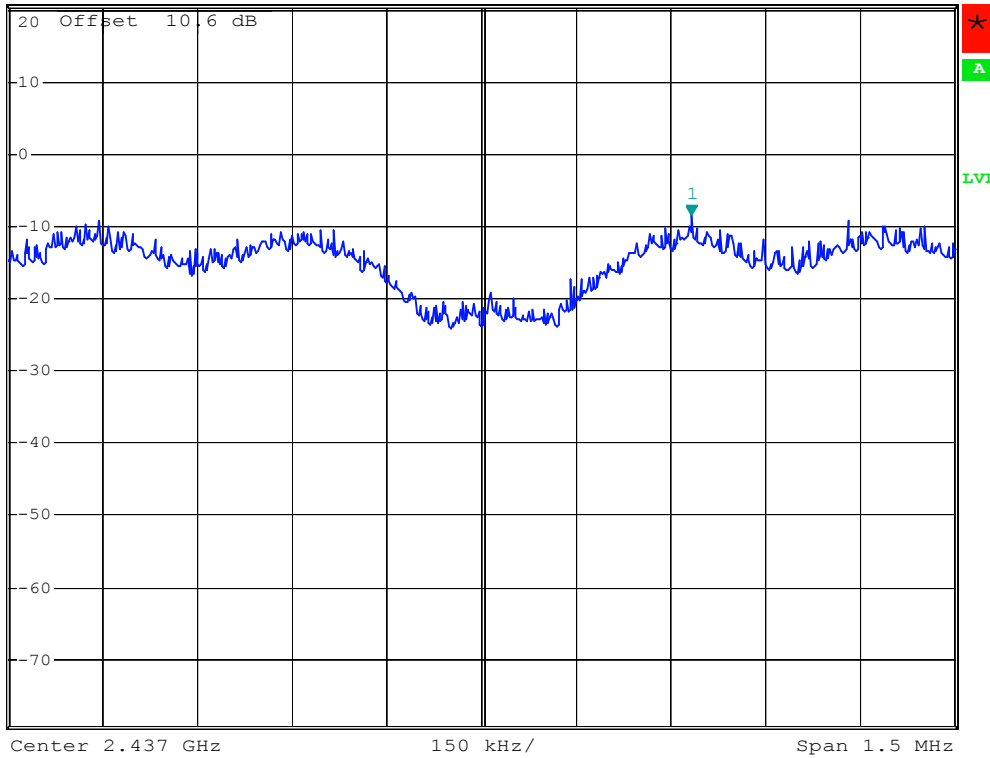


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -8.40 dBm
*SWT 500 s 2.437333000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PK
VIEW



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Mode 6 : 802.11g Tx CH11 (2462MHz)

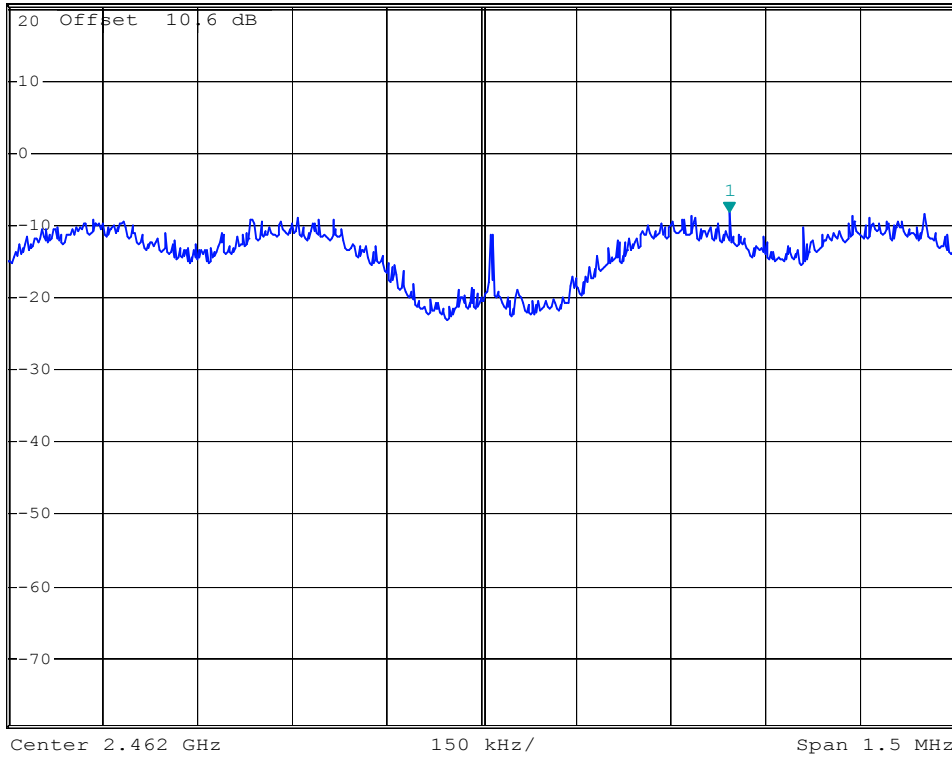


*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -8.02 dBm
*SWT 500 s 2.462393000 GHz

Ref 20.6 dBm

*Att 20 dB

1 PK
VIEW



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5.4 Band Edges Measurement

5.4.1 Measuring Instruments :

As described in chapter 6 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 :

- Application Type : 802.11b / g
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

- 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

<Antenna A>

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	58.37	-15.63	74.00	59.31	30.48	35.46	4.04	Peak
2390.00	43.51	-10.49	54.00	44.44	30.48	35.46	4.04	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	63.55	-10.45	74.00	64.48	30.48	35.46	4.04	Peak
2390.00	45.45	-8.55	54.00	46.38	30.48	35.46	4.04	Average

CH11 (Horizontal)



Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	54.41	-15.59	74.00	54.37	30.41	35.51	4.13	Peak
2483.50	47.95	-6.05	54.00	48.91	30.41	35.51	4.13	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	60.61	-13.37	74.00	61.58	30.41	35.51	4.13	Peak
2483.50	53.72	-0.28	54.00	54.63	30.41	35.51	4.13	Average

<Antenna B>

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	64.73	-9.27	74.00	65.66	30.48	35.46	4.04	Peak
2390.00	53.48	-0.52	54.00	54.41	30.48	35.46	4.04	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	60.42	-13.58	74.00	61.35	30.48	35.46	4.04	Peak
2390.00	47.42	-6.58	54.00	48.35	30.48	35.46	4.04	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	60.27	-13.73	74.00	61.23	30.41	35.51	4.13	Peak
2483.50	53.30	-0.20	54.00	54.76	30.41	35.51	4.13	Average

CH11 (Vertical)



Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	60.08	-13.92	74.00	61.04	30.41	35.51	4.13	Peak
2483.50	53.85	-0.15	54.00	54.81	30.41	35.51	4.13	Average

➤802.11g

<Antenna A>

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	72.08	-1.92	74.00	73.01	30.48	35.46	4.04	Peak
2390.00	53.94	-0.06	54.00	54.87	30.48	35.46	4.04	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	73.10	-0.90	74.00	74.03	30.48	35.46	4.04	Peak
2390.00	53.57	-0.43	54.00	54.50	30.48	35.46	4.04	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	69.05	-4.95	74.00	70.01	30.41	35.51	4.13	Peak
2483.50	53.11	-0.89	54.00	54.07	30.41	35.51	4.13	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	72.27	-1.73	74.00	73.23	30.41	35.51	4.13	Peak
2483.50	53.67	-0.33	54.00	54.63	30.41	35.51	4.13	Average



<Antenna B>

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	73.22	-0.78	74.00	74.15	30.48	35.46	4.04	Peak
2390.00	53.70	-0.30	54.00	54.63	30.48	35.46	4.04	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2390.00	71.01	-2.99	74.00	71.95	30.48	35.46	4.04	Peak
2390.00	51.22	-2.78	54.00	52.15	30.48	35.46	4.04	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	70.47	-3.53	74.00	71.44	30.41	35.51	4.13	Peak
2483.50	53.94	-0.06	54.00	54.90	30.41	35.51	4.13	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Detect Mode
2483.50	70.04	-3.96	74.00	71.00	30.41	35.51	4.13	Peak
2483.50	53.74	-0.26	54.00	54.70	30.41	35.51	4.13	Average

* Remark: The data above can refer to radiated emission in section 5.7.

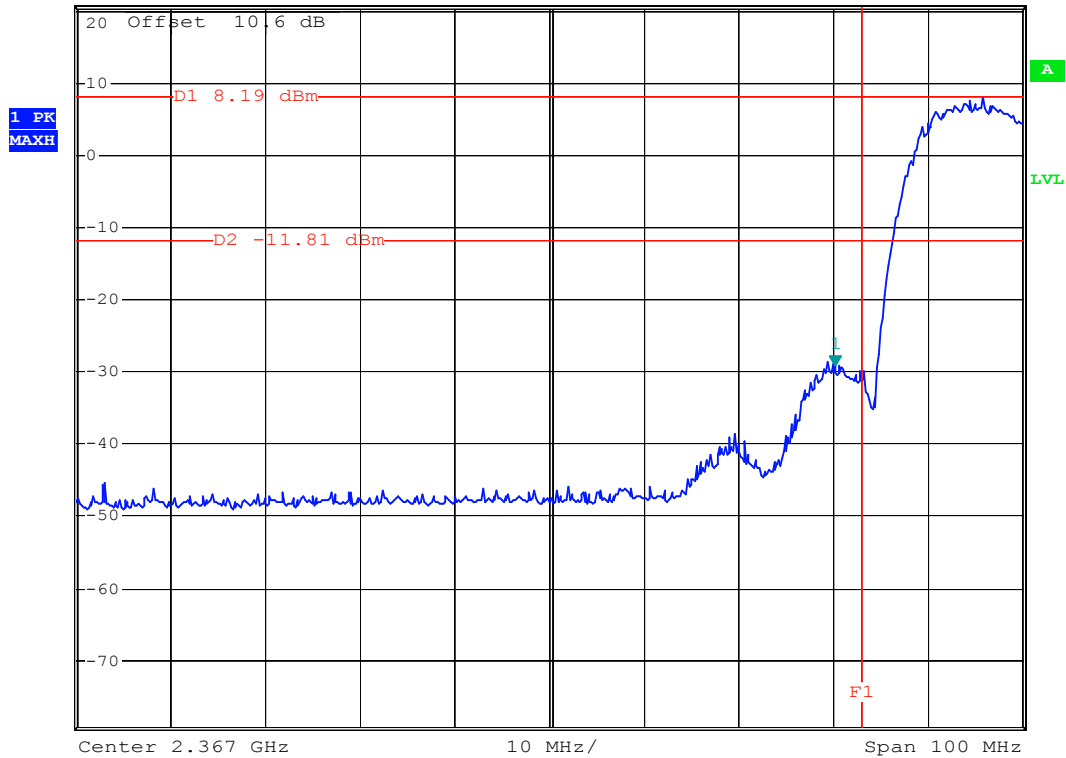


5.4.5 20dB Band Edge

802.11b Tx CH01 (2412MHz)



Ref 20.6 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1] -29.23 dBm
*VBW 100 kHz *SWT 500 ms 2.397200000 GHz



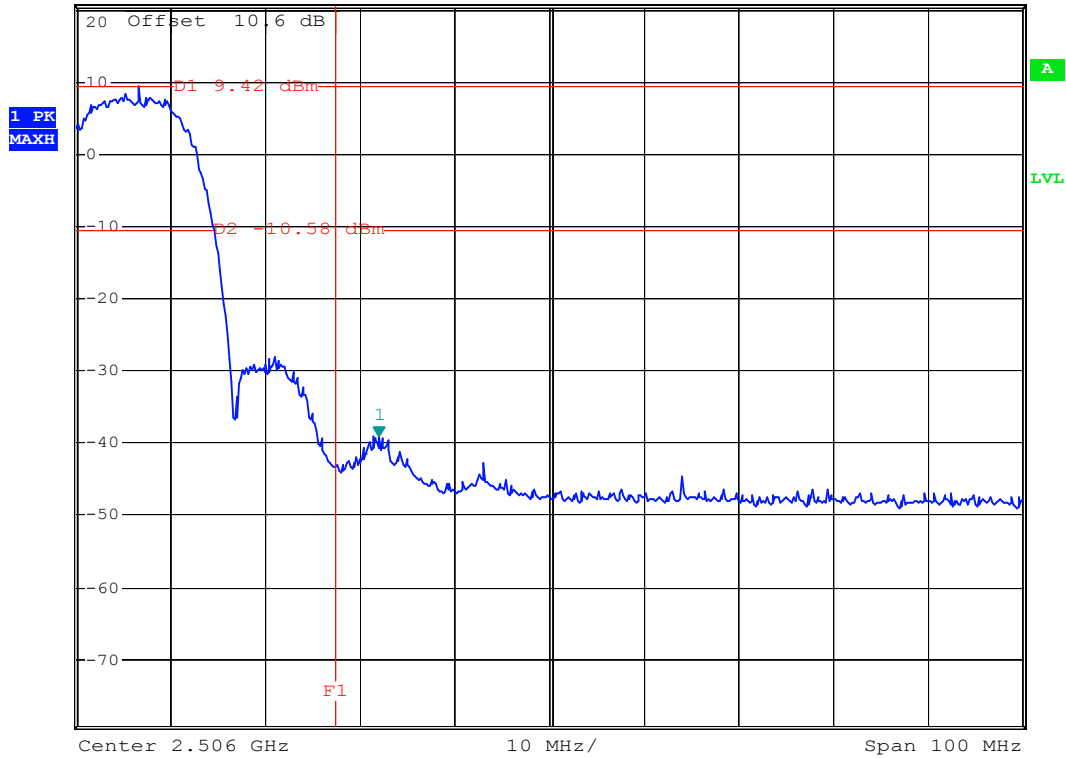
Date: 7.MAY.2005 15:43:42



802.11b Tx CH11 (2462MHz)



Ref 20.6 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -39.11 dBm
*SWT 500 ms 2.488000000 GHz



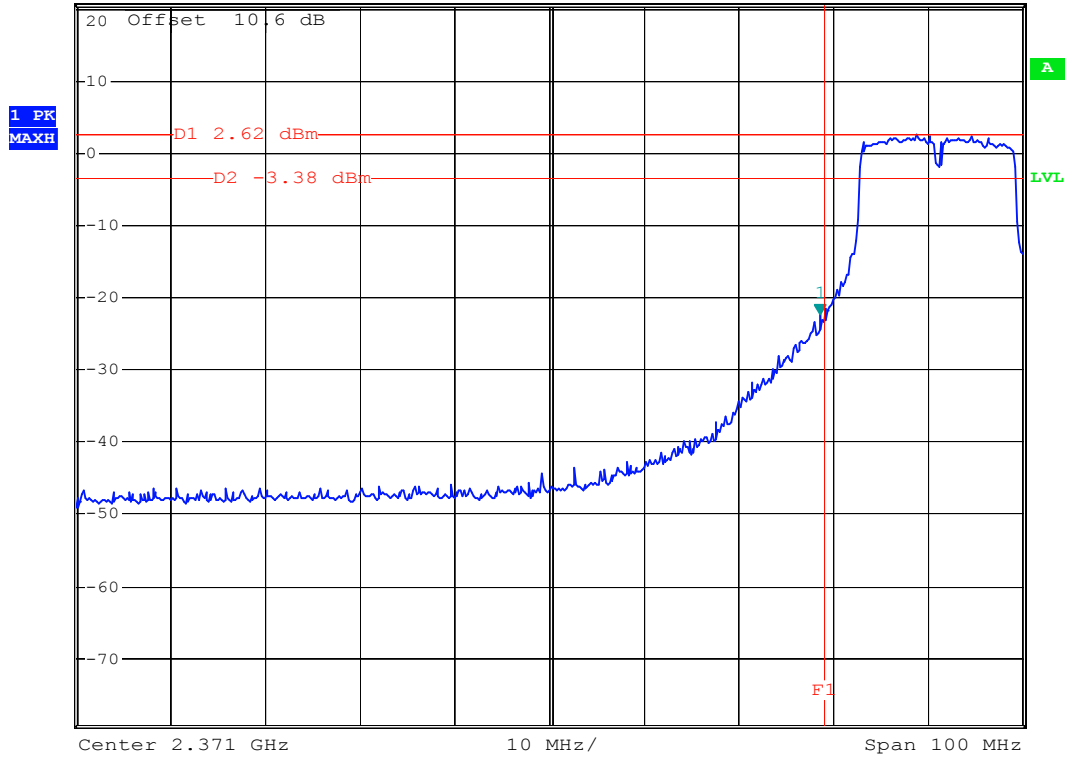
Date: 7.MAY.2005 15:46:54



802.11g Tx CH01 (2412MHz)



Ref 20.6 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1] -22.21 dBm
*VBW 100 kHz *SWT 500 ms 2.399600000 GHz



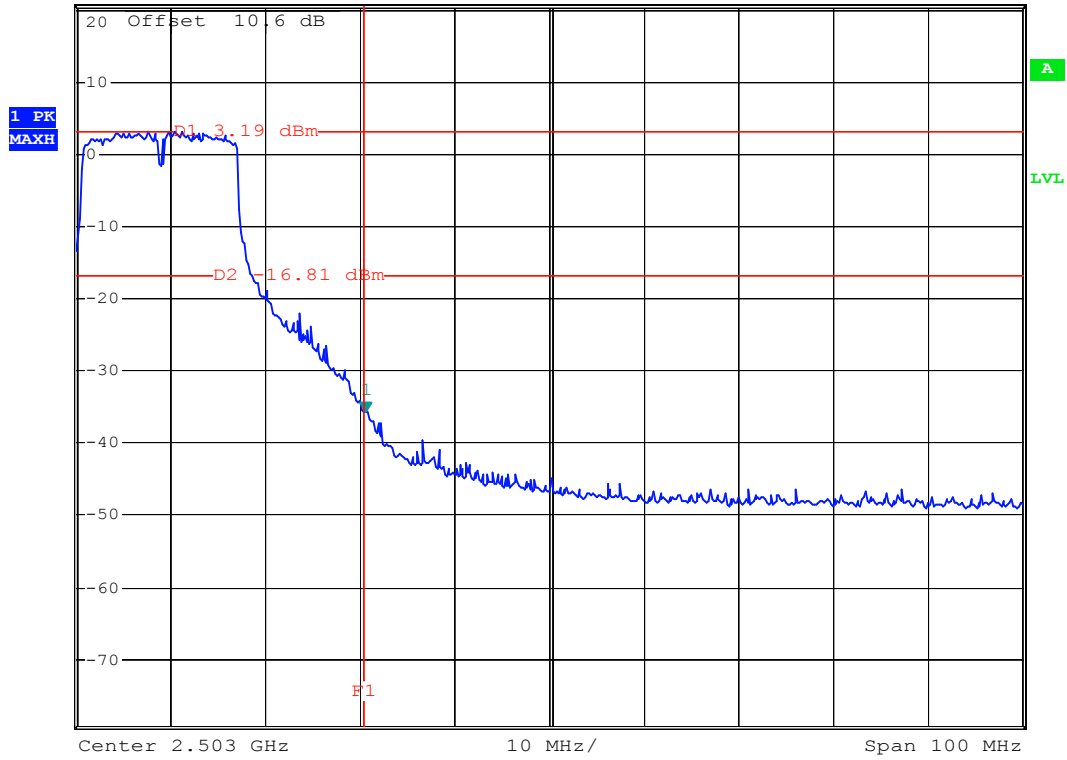
Date: 7.MAY.2005 15:55:48



802.11g Tx CH11 (2462MHz)



Ref 20.6 dBm *Att 20 dB *RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -35.57 dBm
*SWT 500 ms 2.483500000 GHz



Date: 7.MAY.2005 15:51:09

5.5 Peak Output Power Measurement

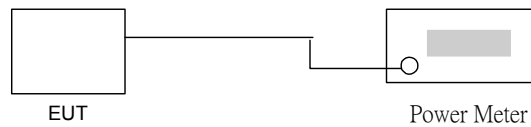
5.5.1 Measuring Instruments :

As described in chapter 6 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 :

- Application Type : 802.11b
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	18.74	1W/30 dBm
06	2437	19.39	1W/30 dBm
11	2462	20.22	1W/30 dBm



- Application Type : 802.11g
- Temperature : 24°C
- Relative Humidity : 52%
- Test Enginner : Jay

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	23.2	1W/30 dBm
06	2437	23.38	1W/30 dBm
11	2462	23.91	1W/30 dBm



5.6 Conducted Emission Measurement

5.6.1 Measuring Instruments

As described in chapter 6 of this test Report.

5.6.2 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.

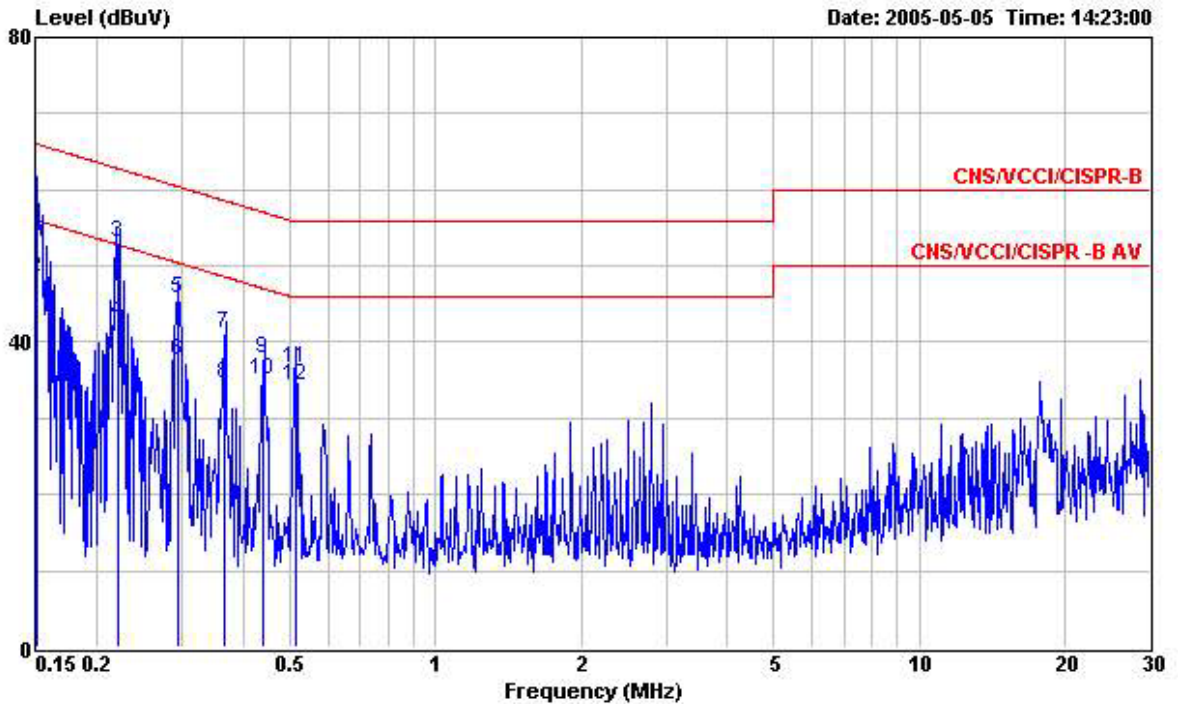


5.6.3 Test Data

5.4.1 Frequency Range of Test : 150kHz to 30 MHz

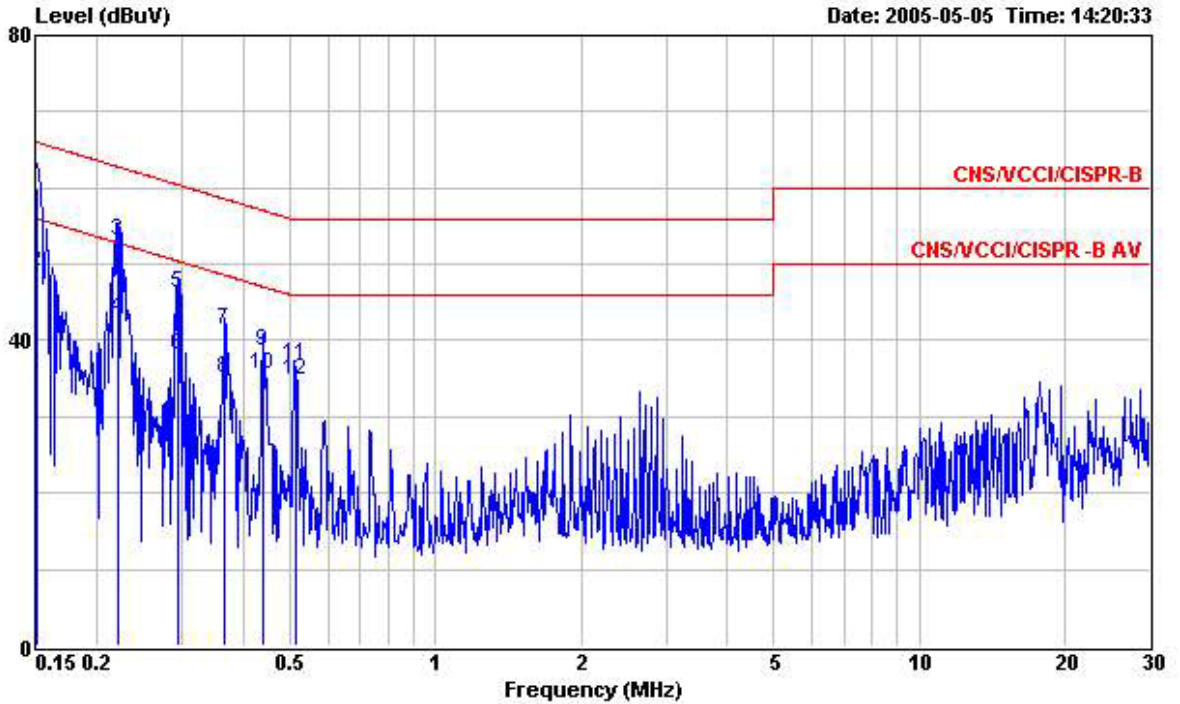
- Test Mode : Mode 1
- Temperature : 24°C
- Relative Humidity : 52%

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 : WLAN b+g AP
 Power : 120Vac/50Hz
 Model : FD542927
 Memo : Ping

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.150	59.36	-6.64	66.00	59.25	0.10	0.01	QP
2	0.150	48.44	-7.56	56.00	48.33	0.10	0.01	Average
3	0.220	53.03	-9.79	62.82	52.92	0.10	0.01	QP
4	0.220	42.76	-10.06	52.82	42.65	0.10	0.01	Average
5	0.294	45.80	-14.61	60.41	45.68	0.10	0.02	QP
6	0.294	37.70	-12.71	50.41	37.58	0.10	0.02	Average
7	0.368	41.14	-17.41	58.55	41.01	0.10	0.03	QP
8	0.368	34.53	-14.02	48.55	34.40	0.10	0.03	Average
9	0.442	37.87	-19.15	57.02	37.74	0.10	0.03	QP
10	0.442	34.94	-12.08	47.02	34.81	0.10	0.03	Average
11	0.513	36.50	-19.50	56.00	36.37	0.10	0.03	QP
12	0.513	34.34	-11.66	46.00	34.21	0.10	0.03	Average



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
 EUT : WLAN b+g AP
 Power : 120Vac/60Hz
 Model : FD542927
 Memo : Ping

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	59.89	-6.11	66.00	59.78	0.10	0.01	QP
2	0.150	48.94	-7.06	56.00	48.83	0.10	0.01	Average
3	0.221	53.19	-9.59	62.78	53.08	0.10	0.01	QP
4	0.221	42.89	-9.89	52.78	42.78	0.10	0.01	Average
5	0.293	46.26	-14.19	60.45	46.14	0.10	0.02	QP
6	0.293	38.04	-12.41	50.45	37.92	0.10	0.02	Average
7	0.367	41.48	-17.09	58.57	41.35	0.10	0.03	QP
8	0.367	34.95	-13.62	48.57	34.82	0.10	0.03	Average
9	0.440	38.58	-18.48	57.06	38.45	0.10	0.03	QP
10	0.440	35.48	-11.58	47.06	35.35	0.10	0.03	Average
11	0.514	36.91	-19.09	56.00	36.78	0.10	0.03	QP
12	0.514	34.76	-11.24	46.00	34.63	0.10	0.03	Average

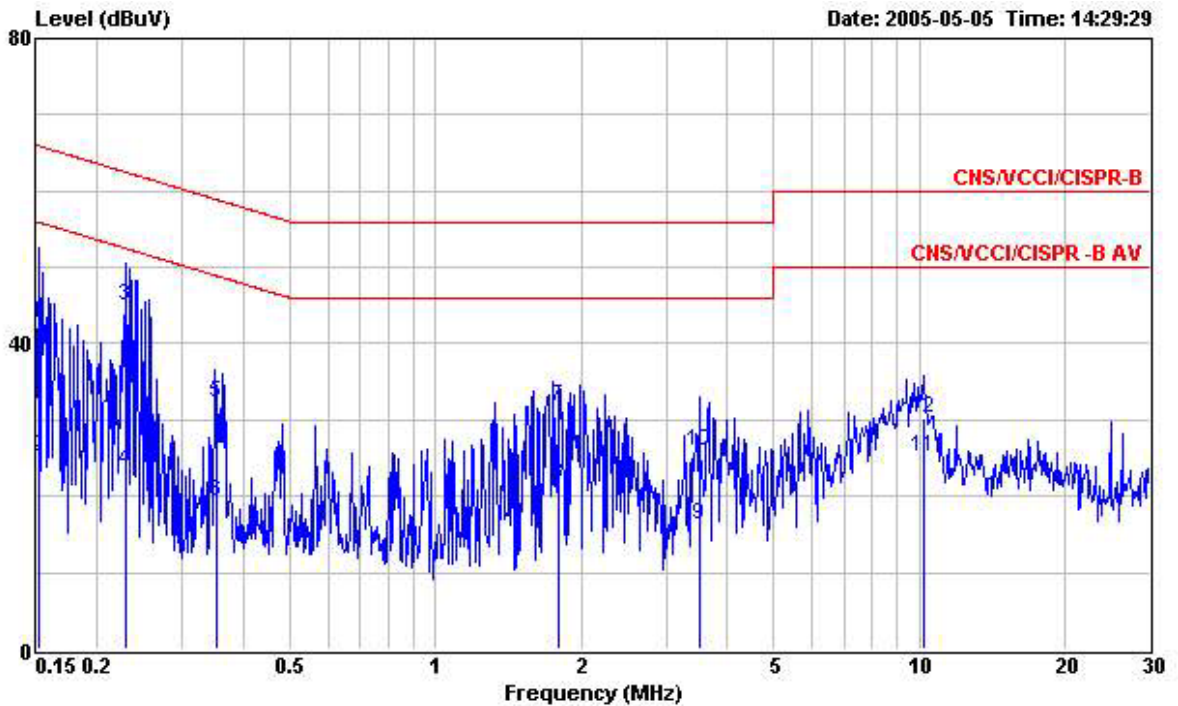
Test Engineer : Jay
 Jay



5.4.2 Frequency Range of Test : 150kHz to 30 MHz

- Test Mode : Mode 2
- Temperature : 24°C
- Relative Humidity : 52%

■ 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 : WLAN b+g AP
 Power : 120Vac/60Hz
 Model : FD542927
 Memo : USB + Ping

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.152	42.79	-23.10	65.89	42.68	0.10	0.01	QP
2	0.152	25.11	-30.78	55.89	25.00	0.10	0.01	Average
3	0.228	44.89	-17.63	62.52	44.78	0.10	0.01	QP
4	0.228	23.26	-29.26	52.52	23.15	0.10	0.01	Average
5	0.354	32.36	-26.50	58.86	32.23	0.10	0.03	QP
6	0.354	19.35	-29.51	48.86	19.22	0.10	0.03	Average
7	1.801	31.78	-24.22	56.00	31.63	0.10	0.05	QP
8	1.801	21.71	-24.29	46.00	21.56	0.10	0.05	Average
9	3.510	16.36	-29.64	46.00	16.20	0.10	0.06	Average
10	3.510	25.87	-30.13	56.00	25.71	0.10	0.06	QP
11	10.230	25.21	-24.79	50.00	24.88	0.20	0.13	Average
12	10.230	30.21	-29.79	60.00	29.88	0.20	0.13	QP