ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT

OF

Notebook Computer With built-in Mini PCI LAN module

BRAND NAME: Micronpc for MODEL No.: Trans Port V1000

BRAND NAME: MTC, MSL for MODEL No.: 8575

FCC ID: EJH8575X

REPORT NO: 020025-RF-ID

ISSUE DATE: July 10, 2002

Prepared for

Mitac Technology Corp.
9F, NO. 75, MING SHENG E. RD., SEC. 3,
TAIPEI, TAIWAN, R. O. C.

Prepared by

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VERIFICATION OF COMPLIANCE

Applicant:	**MATIC TECHNOLOGY CORP.** 9F, NO. 75, MING SHENG E. RD., SEC. 3, TAIPEI, TAIWAN, R.O.C.
Equipment Under Test:	Notebook with built in PCI Wireless LAN module
Serial Number:	N/A
File Number:	020025-RF-ID
Date of test:	July 4 ~ 10, 2000

BRAND NAME: Micronpc for MODEL No.: Trans Port V1000
BRAND NAME: MTC, MSL for MODEL No.: 8575

We hereby certify that:

The above equipment was tested by C&C Laboratory Co., Ltd. The test data , data evaluation , test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (1992) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.

The test results of this report relate only to the tested sample identified in this report.

Approved By

Steven Wang

Steven Wang / RF Dept. Manager
C&C Laboratory Co., Ltd

Table of Contents

1. GENERAL INFORMATION

1.1 Product Description

The Mitac Technology Corp. Model: Trans Port V1000, 8575 (referred to as the EUT in this report) is a Notebook Computer With built-in Mini PCI module. The EUT is compliance with IEEE802.11b 11Mbps Standard.

A major technical descriptions of EUT is described as following:

A). Operation Frequency: 2.412GHz – 2.462GHz; 11 channels;
B). Transmit Power: 8dBm
C). Modulation type: Direct Sequence spread Spectrum, (CCK; DQPSK; DBPSK)
D). Transition Speed: 1/2/5.5/11Mbps
E). Antenna Designation: PIFA Antenna; Non-User Replaceable (Fixed)
F). Power Supply: 3.3Vdc From Mini PCI slot of Notebook PC.
G). Receiver type: Super heterodyne

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID : EJH8575X filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules. The composite system(receiver) is compliance with Subpart B is authorized under a DoC procedure.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (1992). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the address of C&C Laboratory, Co., Ltd. No. 81-1, 210 Lane, Pa-de 2nd Road, Lu-Chu Hsiang, Taoyuan, Taiwan, R.O.C.. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 1992 and CISPR 22/EN 55022 requirements.

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

2. SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4-1992.Conducted emissions from the EUT measured in the **frequency range between 0.45 MHz and 30MHz** using **CISPR Quasi-Peak detector mode**.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4-1992.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

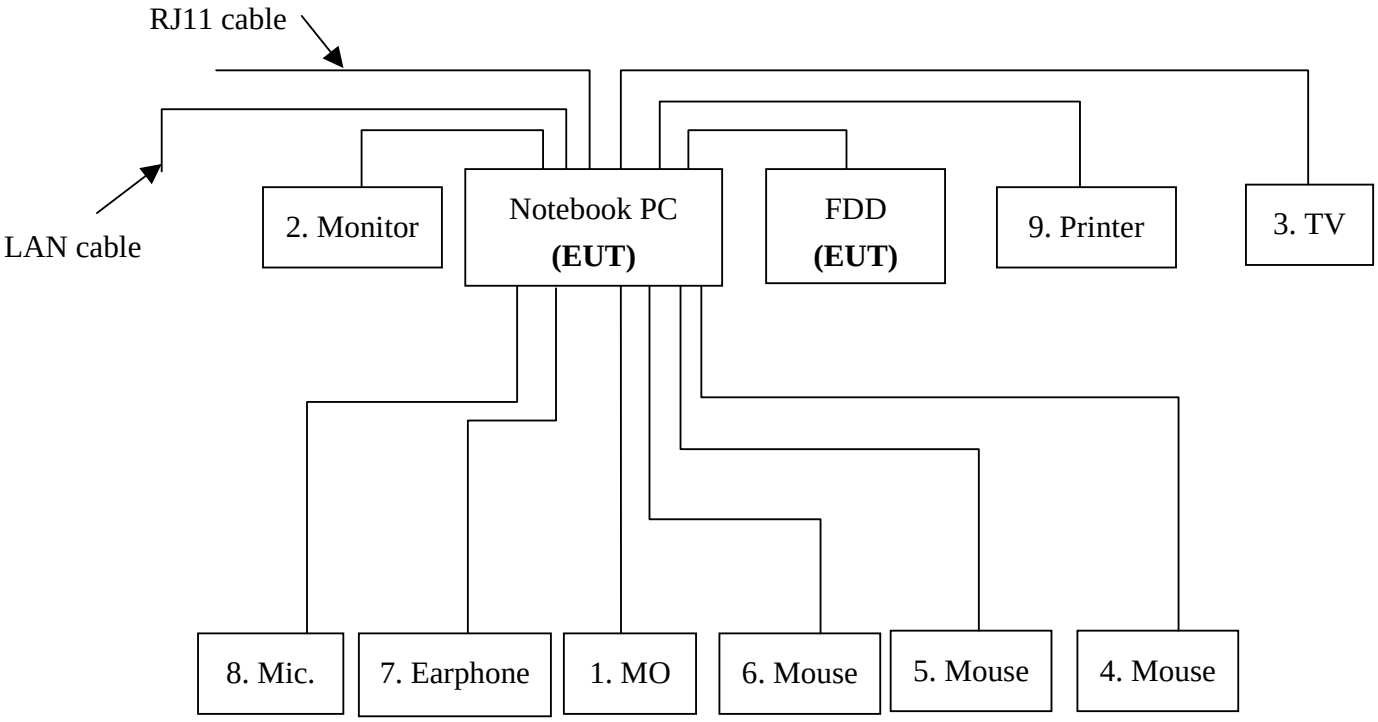

Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Data Cable	Power Cord
1	IEEE 1394MO	FUJITSU	MDF3064EE	05003068	DOC	1394 Cable: Unshielded, 1.8m	N/A
2	MONITOR	SONY	CPD-G200	2715884	DOC	Shielded, 1.8m	Unshielded, 1.8m
3	TV	PROTON	FT-21S	FT-21s00002CA00112	N/A	N/A	Unshielded, 1.8m
4	USB-MOUSE	LOGITECH	M-BB48	LZE2250259	DOC	Shielded, 1.8m	N/A
5	USB-MOUSE	LOGITECH	M-BB48	LZE94150675	DOC	Shielded, 1.8m	N/A
6	USB-MOUSE	LOGITECH	M-S43	DZL211106	DOC	Shielded, 1.8m	N/A
7	EARPHONE	GITON	GT_2004V	N/A	N/A	Unshielded, 1.8m	N/A
8	MICROPHONE	KOKA	I3-0	N/A	N/A	Unshielded, 2.8m	N/A
9	PRINTER	HP	2225C	DSI6XU2222	DW4E126664	Shielded, 1.8m	Unshielded, 1.8m

3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.209(a) (f)	Spurious Emission	Compliant
§15.207(a)	Conducted Emission	Compliant
§15.247(a)(2)	6dB Bandwidth	Compliant
§15.247(b)	Peak Output Power	Compliant
§15.247(c)	100 KHz Bandwidth Of Frequency Band Edges	Compliant
§15.247(d)	Power Density	Compliant
§15.203	Antenna Requirement	Compliant
§1.1310	RF Exposure	Compliant

4. DESCRIPTION OF TEST MODES

The EUT (Notebook with Mini PCI Wireless Lan) has been tested under operating condition.
Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
Channel 1、6 and 11 with 11Mbps highest data rate are chosen for testing.

5. TEST PROCEDURES AND TEST RESULTS

Radiated Emissions (General Requirements)

Test Requirement: 15.205, (15.209) above 1GHz

Measurement Equipment Used:

Open Area Test Site # 3					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	ROHDE & SCHWARZ	FSP30	100112	06/29/2002	06/28/2003
Pre-Amplifier	HP	8449A	300801738	NA	NA
Horn Antenna	SCHWAZBECK	BBHA 9120	D210	2/22/2002	2/23/2003
Highpass Filter	HP	84300-80038	10	N.C.R	N.C.R
Low Loss Cable	Huber + Suhner	Sucoflex 104	N/A	N.C.R	N.C.R
Turn Table	EMCO	2081-1.21	9709-1885	N.C.R	N.C.R
Antenna Tower	EMCO	2075-2	9707-2060	N.C.R	N.C.R
Controller	EMCO	2090	9709-1256	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M53867	N.C.R	N.C.R
Site NSA	C&C	N/A	N/A	11/17/2001	11/16/2002
Site NSA	C&C	N/A	N/A	11/17/2001	11/16/2002

Test Set-Up: 1GHz above

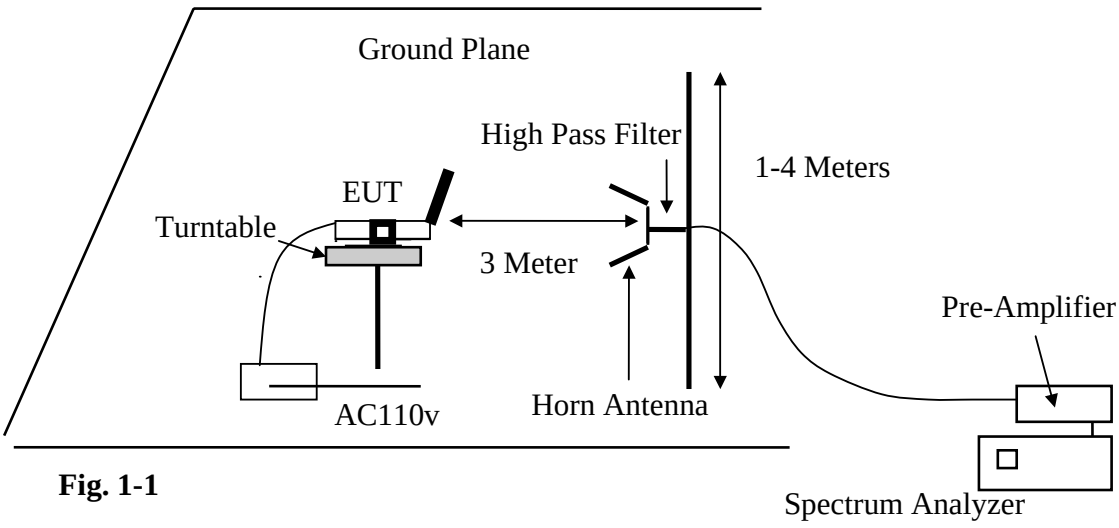

Fig. 1-1

Test Procedures

1. The EUT was placed on a wooden table on the outdoor ground plane. The search antenna was placed 3 meter from the EUT. The EUT antenna was mounted vertically as per normal installation.
2. The turntable was slowly rotated to locate the direction of maximum emission at each emission falling in the restricted bands of 15.205.
3. Once maximum direction was determined, the search antenna was raised and lowered in both vertical and horizontal polarizations. The maximum readings so obtained are recorded in the data listed below.

Test Results: Refer to attached tabular data sheets.

Operation Mode: Transmitting Mode
Fundamental Frequency: 2413.5MHz (CH 1)
Temperature : 25 ℃
Humidity : 60 %

Test Date : July 4 2002
Test By: Markba Lee
Pol: Vertical

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
*1066.80	56.91	24.72	3.48	38.84	0.00	0.00	46.27	74.00	-27.73	P	3mV
	39.50	24.72	3.48	38.84	0.00	0.00	28.86	54.00	-25.14	A	3mV
*1199.01	55.53	24.96	3.66	38.34	0.00	0.00	45.81	74.00	-28.19	P	3mV
	38.21	24.96	3.66	38.34	0.00	0.00	28.49	54.00	-25.51	A	3mV
*1327.91	55.41	25.19	3.87	38.34	0.00	0.00	46.13	74.00	-27.87	P	3mV
	36.56	25.19	3.87	38.34	0.00	0.00	27.28	54.00	-26.72	A	3mV
*1458.17	50.75	25.42	4.01	38.18	0.00	0.00	42.00	74.00	-32.00	P	3mV
	34.91	25.42	4.01	38.18	0.00	0.00	26.16	54.00	-27.84	A	3mV
*1590.57	53.03	25.66	4.12	37.81	0.00	0.00	45.00	74.00	-29.00	P	3mV
	34.92	25.66	4.12	37.81	0.00	0.00	26.89	54.00	-27.11	A	3mV
*1663.93	55.28	25.80	4.32	37.81	0.00	0.00	47.59	74.00	-26.41	P	3mV
	47.10	25.80	4.32	37.81	0.00	0.00	39.41	54.00	-14.59	A	3mV
*1724.91	50.84	25.90	4.43	37.83	0.00	0.00	43.34	74.00	-30.66	P	3mV
	34.13	25.90	4.43	37.83	0.00	0.00	26.63	54.00	-27.37	A	3mV
1995.31	49.28	26.39	4.56	37.62	0.00	0.00	42.61	74.00	-31.39	P	3mV
	33.88	26.39	4.56	37.62	0.00	0.00	27.21	54.00	-26.79	A	3mV
2037.77	51.44	26.35	4.63	37.59	0.00	0.00	44.83	74.00	-29.17	P	3mV
	47.78	26.35	4.63	37.59	0.00	0.00	41.17	54.00	-12.83	A	3mV
*4824.21	49.63	31.86	6.97	37.05	1.00	0.00	52.41	74.00	-21.59	P	3mV
	38.45	31.86	6.97	37.05	1.00	0.00	41.23	54.00	-12.77	A	3mV
*7238.00	46.25	36.74	8.78	37.39	1.00	0.00	55.38	74.00	-18.62	P	3mV
	34.12	36.74	8.78	37.39	1.00	0.00	43.25	74.00	-30.75	A	3mV
9654.00	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12067.5	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter

   Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M

   measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

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Operation Mode: Transmitting Mode
Fundamental Frequency: 2413.5MHz (CH 1)
Temperature : 25 ℃
Humidity : 60 %

Test Date : July 4 2002
Test By: Markba Lee
Pol: Horizontal

Freq.	Reading	AF	Closs	Pre-amp	Filter	Dist	Level	Limit	Margin	Mark	Pol
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	FCC_B	(dB)	(P/Q/A)	(H/V)
*1059.49	63.53	24.71	3.47	38.86	0.00	0.00	52.85	74.00	-21.15	P	3mH
	43.76	24.71	3.47	38.86	0.00	0.00	33.08	54.00	-20.92	A	3mH
*1325.8	54.19	25.19	3.87	38.34	0.00	0.00	44.91	74.00	-29.09	P	3mH
	35.77	25.19	3.87	38.34	0.00	0.00	26.49	54.00	-27.51	A	3mH
*1464.43	53.38	25.44	4.01	38.16	0.00	0.00	44.67	74.00	-29.33	P	3mH
	40.73	25.44	4.01	38.16	0.00	0.00	32.02	54.00	-21.98	A	3mH
*1592.21	53.91	25.67	4.12	37.80	0.00	0.00	45.90	74.00	-28.10	P	3mH
	35.50	25.67	4.12	37.80	0.00	0.00	27.49	54.00	-26.51	A	3mH
*1663.21	52.47	25.79	4.32	37.81	0.00	0.00	44.77	74.00	-29.23	P	3mH
	44.88	25.79	4.32	37.81	0.00	0.00	37.18	54.00	-16.82	A	3mH
*1721.43	51.41	25.90	4.43	37.83	0.00	0.00	43.91	74.00	-30.09	P	3mH
	33.87	25.90	4.43	37.83	0.00	0.00	26.37	54.00	-27.63	A	3mH
1863.49	51.28	26.15	4.51	37.78	0.00	0.00	44.16	74.00	-29.84	P	3mH
	34.28	26.15	4.51	37.78	0.00	0.00	27.16	54.00	-26.84	A	3mH
2037.86	53.66	26.49	4.63	37.59	0.00	0.00	47.19	74.00	-26.81	P	3mH
	50.17	26.49	4.63	37.59	0.00	0.00	43.70	54.00	-10.30	A	3mH
*4825.18	43.09	31.86	6.97	37.05	1.00	0.00	45.87	74.00	-28.13	P	3mH
	31.62	31.86	6.97	37.05	1.00	0.00	34.40	54.00	-19.60	A	3mH
*7237.11	45.41	36.74	8.78	37.39	1.00	0.00	54.54	74.00	-19.46	P	3mH
	35.33	36.74	8.78	37.39	1.00	0.00	44.46	54.00	-9.54	A	3mH
9654.00	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12067.5	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

Operation Mode: Transmitting Mode Test Date : July 4 2002

Fundamental Frequency: 2438.3MHz (CH 6) Test By: Markba Lee

Temperature : 25 ℃ Pol: Vertical

Humidity : 60 %

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
*1196.69	55.22	24.95	3.66	38.35	0.00	0.00	45.48	74.00	-28.52	P	3mV
	37.67	24.95	3.66	38.35	0.00	0.00	27.93	54.00	-26.07	A	3mV
*1322.28	54.09	25.18	3.86	38.34	0.00	0.00	44.79	74.00	-29.21	P	3mV
	36.50	25.18	3.86	38.34	0.00	0.00	27.20	54.00	-26.80	A	3mV
*1458.40	49.41	25.40	4.01	38.18	0.00	0.00	40.64	74.00	-33.36	P	3mV
	34.03	25.42	4.01	38.18	0.00	0.00	25.28	54.00	-28.72	A	3mV
*1599.57	53.88	25.68	4.13	37.78	0.00	0.00	45.91	74.00	-28.09	P	3mV
	35.13	25.68	4.13	37.78	0.00	0.00	27.16	54.00	-26.84	A	3mV
*1687.50	53.38	25.84	4.39	37.81	0.00	0.00	45.80	74.00	-28.20	P	3mV
	44.91	25.84	4.39	37.81	0.00	0.00	37.33	54.00	-16.67	A	3mV
1728.71	51.16	25.91	4.42	38.83	0.00	0.00	42.66	74.00	-31.34	P	3mV
	33.31	25.91	4.42	38.83	0.00	0.00	24.81	54.00	-29.19	A	3mV
1792.29	45.25	26.03	4.41	37.86	0.00	0.00	37.83	74.00	-36.17	P	3mV
	32.17	26.03	4.41	37.86	0.00	0.00	24.75	54.00	-29.25	A	3mV
1861.14	52.00	26.15	4.50	37.78	0.00	0.00	44.87	74.00	-29.13	P	3mV
	34.99	26.15	4.50	37.78	0.00	0.00	27.86	54.00	-26.14	A	3mV
2062.00	49.09	26.55	4.67	37.58	0.00	0.00	42.73	74.00	-31.27	P	3mV
	34.99	26.55	4.67	37.58	0.00	0.00	28.63	54.00	-25.37	A	3mV
*4874.57	112.25	27.40	5.04	37.42	1.00	0.00	108.27	74.00	34.27	P	3mV
	104.95	27.40	5.04	37.42	1.00	0.00	100.97	54.00	46.97	A	3mV
*7309.50	46.91	36.81	8.86	37.40	1.00	0.00	56.18	74.00	-17.82	P	3mV
	36.38	36.81	8.86	37.40	1.00	0.00	45.65	54.00	-8.35	A	3mV
9753.20	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12191.5	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

Operation Mode:	Transmitting Mode	Test Date :	July 4 2002
Fundamental Frequency:	2438.3MHz (CH 6)	Test By:	Markba Lee
Temperature :	25 ℃	Pol:	Horizontal
Humidity :	60 %		

Freq.	Reading	AF	Closs	Pre-amp	Filter	Dist	Level	Limit	Margin	Mark	Pol
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	FCC_B	(dB)	(P/Q/A)	(H/V)
*1192.29	57.00	24.95	3.65	38.37	0.00	0.00	47.23	74.00	-26.77	P	3m H
	40.33	24.95	3.65	38.37	0.00	0.00	30.56	54.00	-23.44	A	3m H
*1325.79	55.47	25.19	3.87	38.37	0.00	0.00	46.16	74.00	-27.84	P	3m H
	35.84	25.19	3.87	38.37	0.00	0.00	26.53	54.00	-27.47	A	3m H
*1458.76	50.59	25.43	4.01	38.18	0.00	0.00	41.85	74.00	-32.15	P	3m H
	34.64	25.43	4.01	38.18	0.00	0.00	25.90	54.00	-28.10	A	3m H
*1592.29	53.53	25.67	4.12	37.80	0.00	0.00	45.52	74.00	-28.48	P	3m H
	34.80	25.67	4.12	37.80	0.00	0.00	26.79	54.00	-27.21	A	3m H
*1687.21	53.03	25.87	4.39	37.81	0.00	0.00	45.48	74.00	-28.52	P	3m H
	45.86	25.87	4.39	37.81	0.00	0.00	38.31	54.00	-15.69	A	3m H
1727.00	48.25	25.91	4.42	37.83	0.00	0.00	40.75	74.00	-33.25	P	3m H
	32.35	25.91	4.42	37.83	0.00	0.00	24.85	54.00	-29.15	A	3m H
1794.00	45.69	26.03	4.42	37.83	0.00	0.00	38.31	74.00	-35.69	P	3m H
	32.35	26.03	4.42	37.83	0.00	0.00	24.97	54.00	-29.03	A	3m H
1862.44	51.53	26.15	4.50	37.78	0.00	0.00	44.40	74.00	-29.60	P	3m H
	34.30	26.15	4.50	37.78	0.00	0.00	27.17	54.00	-26.83	A	3m H
2062.73	51.97	26.55	4.67	37.58	0.00	0.00	45.61	74.00	-28.39	P	3m H
	49.25	26.55	4.67	37.58	0.00	0.00	42.89	54.00	-11.11	A	3m H
*4873.79	43.47	31.90	6.97	37.41	1.00	0.00	45.93	74.00	-28.07	P	3m H
	31.73	31.90	6.97	37.41	1.00	0.00	34.19	54.00	-19.81	A	3m H
*7310.93	44.34	36.81	8.86	37.40	1.00	0.00	53.61	74.00	-20.39	P	3m H
	33.28	36.81	8.86	37.40	1.00	0.00	42.55	54.00	-11.45	A	3m H
9753.20	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12191.50	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

Operation Mode: Transmitting Mode Test Date : July 4 2002

Fundamental Frequency: 2463.5MHz (CH 11) Test By: Markba Lee

Temperature : 25 ℃ Pol: Vertical

Humidity : 60 %

Freq.	Reading	AF	Closs	Pre-amp	Filter	Dist	Level	Limit	Margin	Mark	Pol
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	dB	dB	(dBuV/m)	FCC_B	(dB)	(P/Q/A)	(H/V)
*1058.8	56.97	24.71	3.46	38.86	0.00	0.00	46.28	74.00	-27.72	P	3mV
	39.98	24.71	3.46	38.86	0.00	0.00	29.29	54.00	-24.71	A	3mV
*1190.66	54.81	24.94	3.65	38.37	0.00	0.00	45.03	74.00	-28.97	P	3mV
	38.77	24.94	3.65	38.37	0.00	0.00	28.99	54.00	-25.01	A	3mV
*1327.77	55.00	25.19	3.87	38.34	0.00	0.00	45.72	74.00	-28.28	P	3mV
	36.42	25.19	3.87	38.34	0.00	0.00	27.14	54.00	-26.86	A	3mV
*1458.91	51.56	25.43	4.01	38.18	0.00	0.00	42.82	74.00	-31.18	P	3mV
	34.81	25.42	4.01	38.18	0.00	0.00	26.06	54.00	-27.94	A	3mV
*1594.23	53.16	25.85	4.41	37.82	0.00	0.00	45.60	74.00	-28.40	P	3mV
	35.23	25.85	4.41	37.82	0.00	0.00	27.67	54.00	-26.33	A	3mV
1729.93	52.75	25.91	4.42	38.83	0.00	0.00	44.25	74.00	-29.75	P	3mV
	34.19	25.91	4.42	38.83	0.00	0.00	25.69	54.00	-28.31	A	3mV
1796.14	45.41	26.03	4.41	37.86	0.00	0.00	37.99	74.00	-36.01	P	3mV
	32.48	26.03	4.41	37.86	0.00	0.00	25.06	54.00	-28.94	A	3mV
1866.14	49.75	26.13	4.51	37.78	0.00	0.00	42.61	74.00	-31.39	P	3mV
	33.93	26.13	4.51	37.78	0.00	0.00	26.79	54.00	-27.21	A	3mV
1996.00	49.22	26.39	4.56	37.62	0.00	0.00	42.55	74.00	-31.45	P	3mV
	33.35	26.39	4.56	37.62	0.00	0.00	26.68	54.00	-27.32	A	3mV
*2258.43	46.28	27.02	4.90	37.49	0.00	0.00	40.71	74.00	-33.29	P	3mV
	33.80	27.02	4.90	37.49	0.00	0.00	28.23	54.00	-25.77	A	3mV
*4923.79	44.44	31.94	6.96	37.10	1.00	0.00	47.24	74.00	-26.76	P	3mV
	33.05	31.94	6.96	37.10	1.00	0.00	35.85	54.00	-18.15	A	3mV
*7392.00	46.78	36.89	8.95	37.41	1.00	0.00	56.21	74.00	-17.79	P	3mV
	36.25	36.89	8.95	37.41	1.00	0.00	45.68	54.00	-8.32	A	3mV
9854.00	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12317.50	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

Operation Mode: Transmitting Mode Test Date : July 4 2002

Fundamental Frequency: 2463.5MHz (CH 11) Test By: Markba Lee

Temperature : 25 ℃ Pol: Horizontal

Humidity : 60 %

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
*1058.74	63.13	24.71	3.46	38.86	0.00	0.00	52.44	74.00	-21.56	P	3mH
	44.48	24.71	3.46	38.86	0.00	0.00	33.79	54.00	-20.21	A	3mH
*1329.00	54.81	25.19	3.87	38.34	0.00	0.00	45.53	74.00	-28.47	P	3mH
	35.72	25.19	3.87	38.34	0.00	0.00	26.44	54.00	-27.56	A	3mH
*1458.93	48.84	25.43	4.01	38.17	0.00	0.00	40.11	74.00	-33.89	P	3mH
	34.03	25.43	4.01	38.17	0.00	0.00	25.30	54.00	-28.70	A	3mH
*1592.74	49.81	25.67	4.12	37.80	0.00	0.00	41.80	74.00	-32.20	P	3mH
	34.83	25.67	4.12	37.80	0.00	0.00	26.82	54.00	-27.18	A	3mH
1714.00	50.66	25.67	4.12	37.83	0.00	0.00	42.62	74.00	-31.38	P	3mH
	42.30	25.67	4.12	37.83	0.00	0.00	34.26	54.00	-19.74	A	3mH
1860.41	50.31	26.15	4.50	37.78	0.00	0.00	43.18	74.00	-30.82	P	3mH
	34.61	26.15	4.50	37.78	0.00	0.00	27.48	54.00	-26.52	A	3mH
2087.71	51.03	26.61	4.72	37.57	0.00	0.00	44.79	74.00	-29.21	P	3mH
	46.13	26.61	4.72	37.57	0.00	0.00	39.89	54.00	-14.11	A	3mH
*4923.5	42.81	31.90	6.96	37.10	1.00	0.00	45.57	74.00	-28.43	P	3mH
	31.88	31.90	6.96	37.10	1.00	0.00	34.64	54.00	-19.36	A	3mH
*7385	48.09	36.88	8.95	37.41	1.00	0.00	57.51	74.00	-16.49	P	3mH
	38.34	36.88	8.95	37.41	1.00	0.00	47.76	74.00	-26.24	P	3mH
9854.00	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***
*12317.50	***	***	***	***	***	***	***	***	***	***	***
	***	***	***	***	***	***	***	***	***	***	***

Note :

1. Measurement was up to 10th harmonic, Remark "***" means that the emissions level is too low to be measured.
2. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M measurement distance: -9.5dB
3. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
4. Remark "*" means that Restricted band.

Test Requirement: 15.209 (15.109) below 1GHz

Measurement Equipment Used:

Open Area Test Site # 3					
EQUIPMENT TYPE	**MFR**	**MODEL NO.**	**SERIAL NO.**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	ADVANTEST	R3271A	NA	10/15/2001	10/14/2002
EMI Test Receiver	R&S	ESVS20	838804/004	01/05/2002	01/04/2003
Pre-Amplifier	HP	8447D	2944A09173	03/04/2002	03/03/2003
Bilog Antenna	SCHWAZBECK	VULB9163	128	02/02/2002	02/01/2003
Turn Table	EMCO	2081-1.21	9709-1885	N.C.R	N.C.R
Antenna Tower	EMCO	2075-2	9707-2060	N.C.R	N.C.R
Controller	EMCO	2090	9709-1256	N.C.R	N.C.R
RF Switch	ANRITSU	MP59B	M53867	N.C.R	N.C.R
Site NSA	C&C	N/A	N/A	11/17/2001	11/16/2002

Test Set-Up:

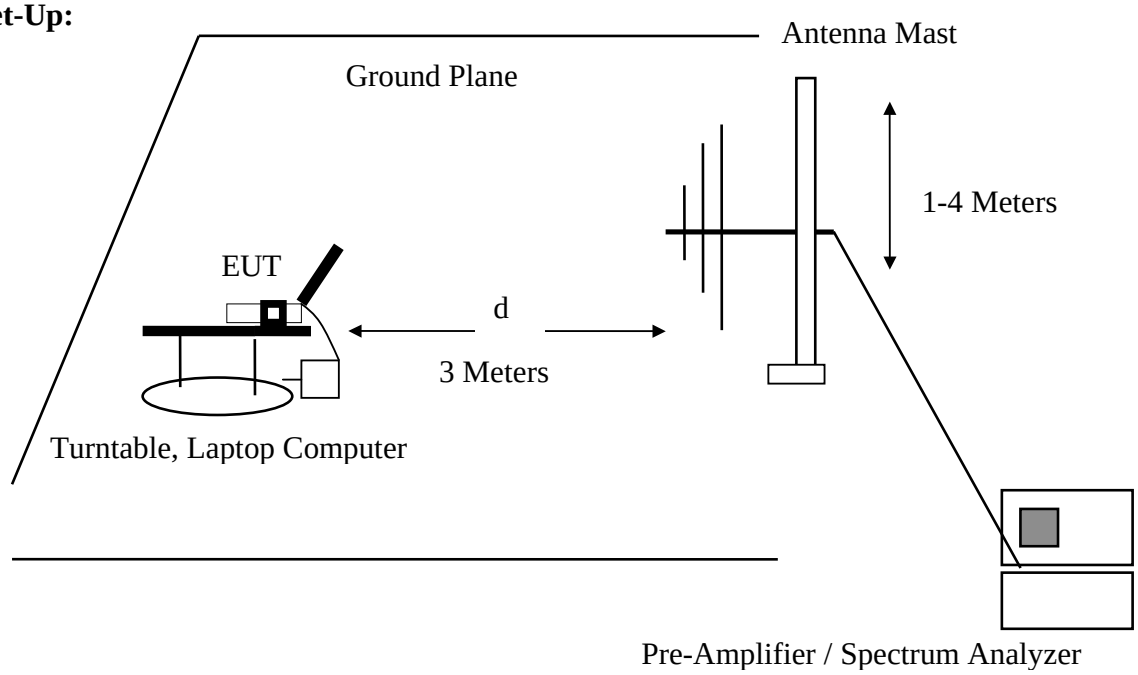


Fig. 2

Test Procedures:

The EUT was placed on a turntable at a distance of 3 meters from a Bilog a Antenna or Log Periodic search antenna. The antenna was raised and lowered, the EUT rotated on the turntable, until the EUT azimuth, antenna elevation, and antenna polarity were found which yielded maximum received emission levels on the spectrum analyzer.

Test Result:

1. Refer to attach tabular data sheets.
2. Refer to the section of " Radiated Emissions (General Requirements) abover 1GHz". Test requirement: 15.205, from P8 to P13of the measurements data.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz for Peak detection (PK) and average detection (Av) at frequency above 1GHz.

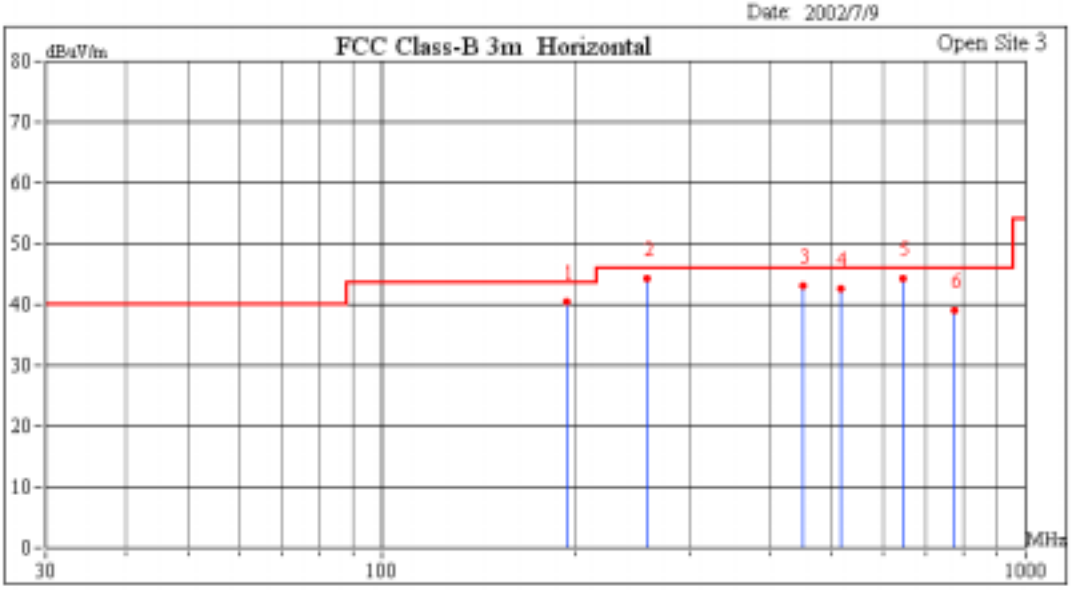
15.209 Radiated Test Data – TX CH-1 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-1

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/9



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2700	40.50	-3.00	43.50	26.25	14.25	PK
2	257.6700	44.20	-1.80	46.00	28.07	16.13	PK
3	450.9700	43.20	-2.80	46.00	22.98	20.22	PK
4	515.4200	42.70	-3.30	46.00	19.64	23.06	PK
5	644.2600	44.40	-1.60	46.00	19.46	24.94	PK
6	773.1500	39.10	-6.90	46.00	13.10	26.00	PK

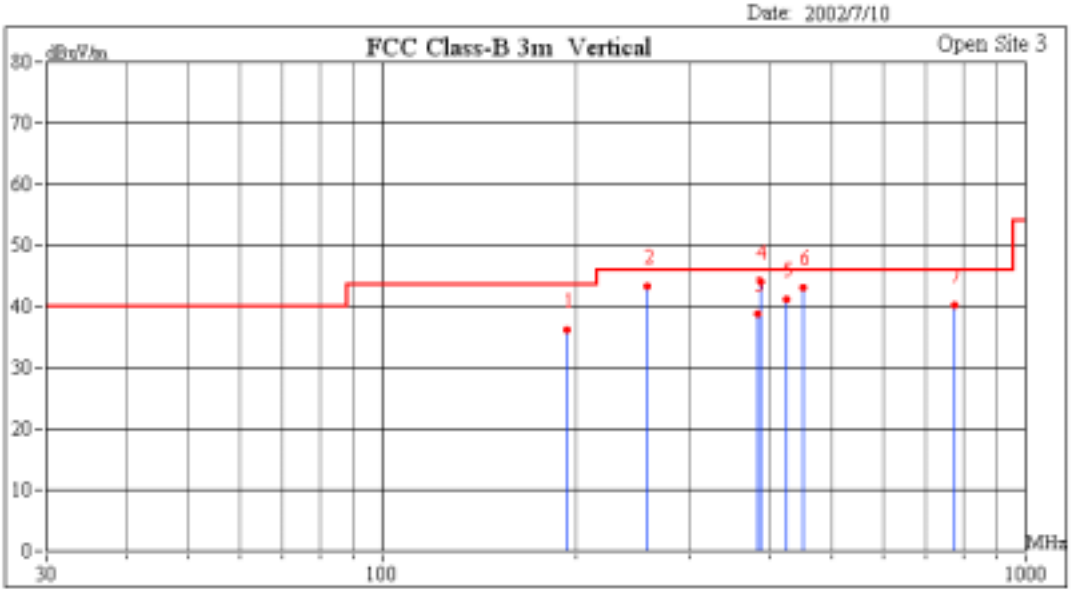
15.209 Radiated Test Data – TX CH-1 Vertical

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-1

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2800	36.10	-7.40	43.50	21.85	14.25	PK
2	257.7000	43.30	-2.70	46.00	27.17	16.13	PK
3	384.1500	38.90	-7.10	46.00	19.03	19.87	PK
4	386.5500	44.00	-2.00	46.00	24.00	20.00	QP
5	424.2900	41.30	-4.70	46.00	20.85	20.45	PK
6	451.0100	43.10	-2.90	46.00	22.88	20.22	PK
7	773.1800	40.20	-5.80	46.00	14.20	26.00	PK

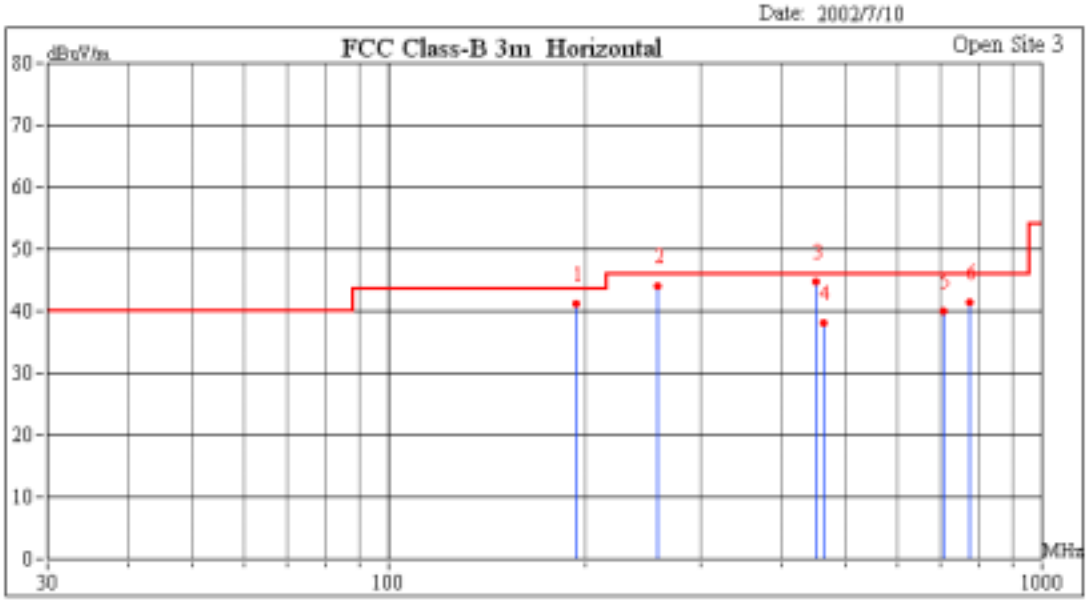
15.209 Radiated Test Data – TX CH-6 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-6

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.3500	41.30	-2.20	43.50	27.04	14.26	PK
2	257.3100	44.10	-1.90	46.00	27.97	16.13	QP
3	450.9800	44.70	-1.30	46.00	24.48	20.22	PK
4	462.0100	38.00	-8.00	46.00	17.27	20.73	PK
5	708.7000	39.90	-6.10	46.00	14.11	25.79	QP
6	773.1100	41.40	-4.60	46.00	15.40	26.00	PK

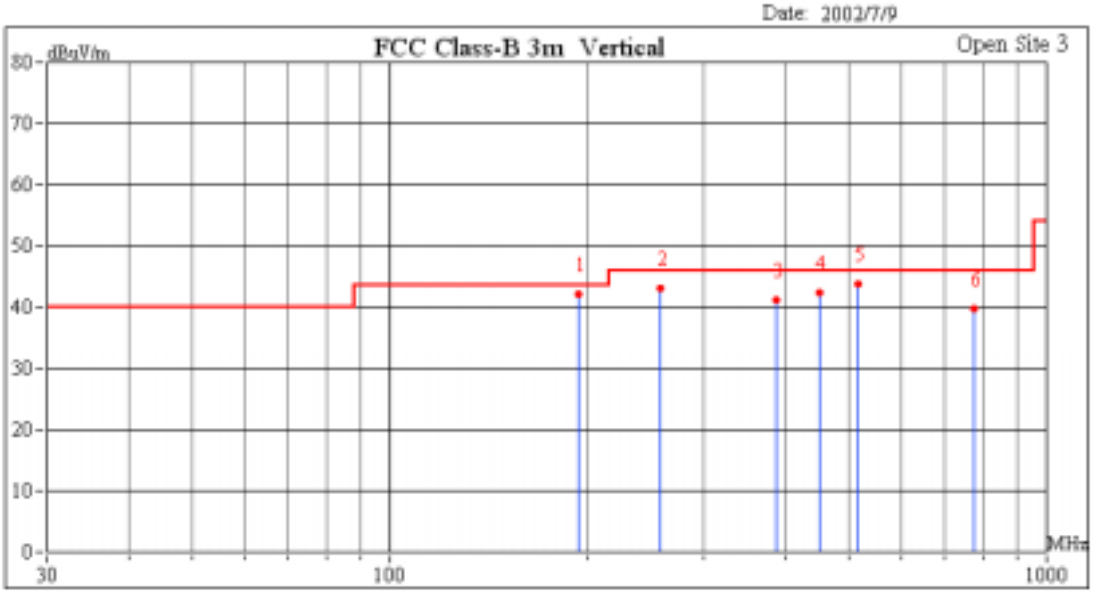
15.209 Radiated Test Data – TX CH-6 Vertical

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-6

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/9



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.3000	42.10	-1.40	43.50	27.85	14.25	PK
2	257.6800	43.10	-2.90	46.00	26.97	16.13	PK
3	386.5100	41.30	-4.70	46.00	21.31	19.99	QP
4	450.9600	42.40	-3.60	46.00	22.19	20.21	PK
5	515.4400	43.70	-2.30	46.00	20.64	23.06	PK
6	773.1400	39.70	-6.30	46.00	13.70	26.00	PK

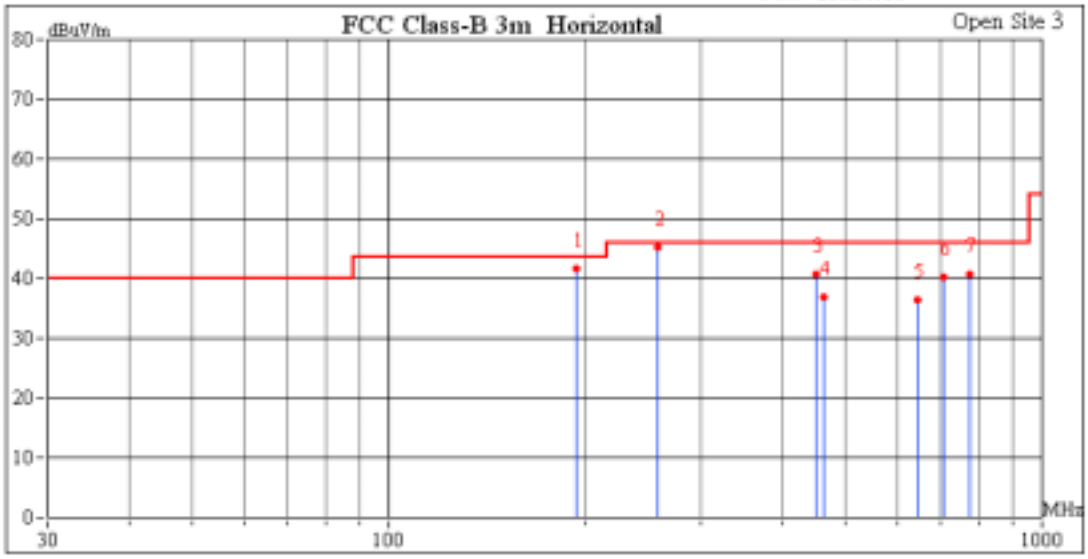
15.209 Radiated Test Data – TX CH-11 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-11

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2800	41.70	-1.80	43.50	27.45	14.25	PK
2	257.7100	45.20	-0.80	46.00	29.08	16.12	QP
3	451.0000	40.70	-5.30	46.00	20.48	20.22	PK
4	462.0000	36.80	-9.20	46.00	16.07	20.73	PK
5	644.3100	36.40	-9.60	46.00	11.46	24.94	PK
6	708.6900	40.20	-5.80	46.00	14.41	25.79	QP
7	773.1200	40.70	-5.30	46.00	14.70	26.00	PK

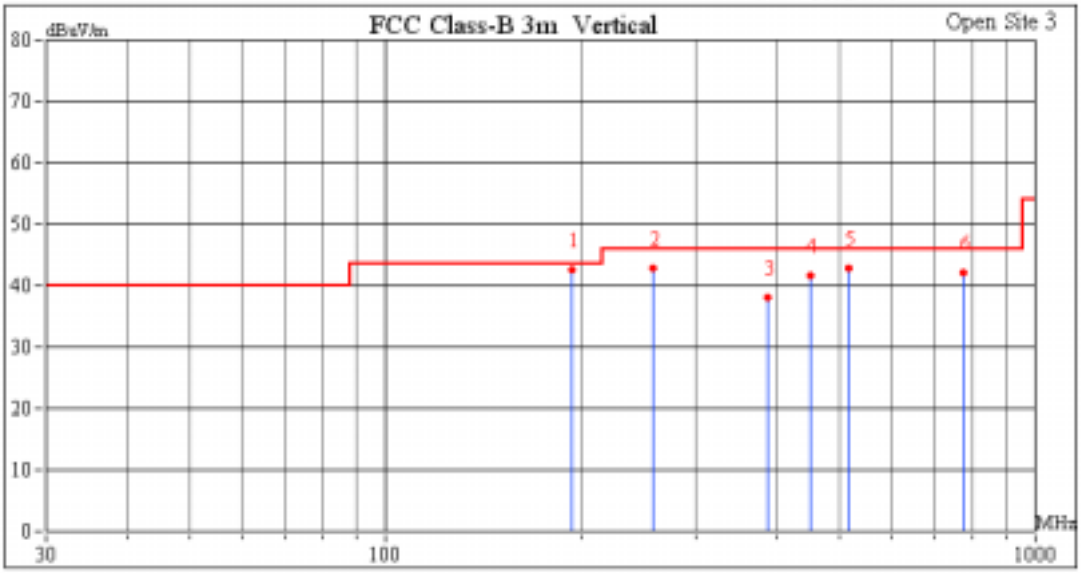
15.209 Radiated Test Data – TX CH-11 Vertical

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: TX CH-11

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2700	42.70	-0.80	43.50	28.45	14.25	PK
2	257.7100	42.90	-3.10	46.00	26.78	16.12	PK
3	386.6600	38.00	-8.00	46.00	18.00	20.00	QP
4	450.9900	41.70	-4.30	46.00	21.48	20.22	PK
5	515.4200	42.80	-3.20	46.00	19.74	23.06	PK
6	773.1500	42.10	-3.90	46.00	16.10	26.00	PK

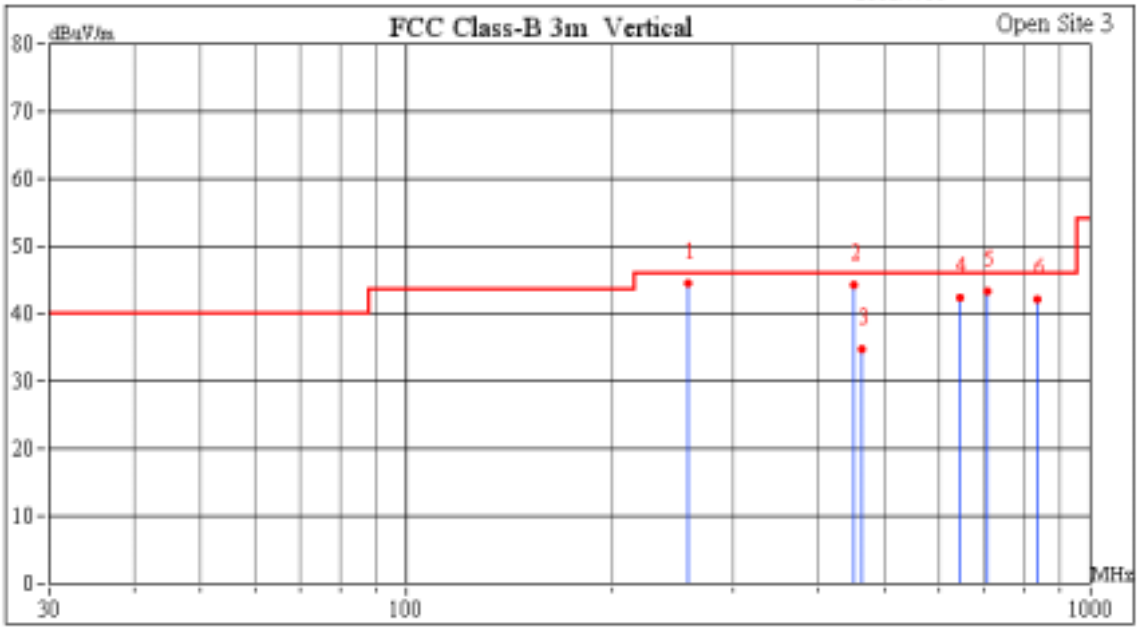
15.209 Radiated Test Data – RX CH-1 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: RX CH-1

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	257.7700	44.50	-1.50	46.00	28.38	16.12	QP
2	451.0200	44.20	-1.80	46.00	23.98	20.22	PK
3	461.9600	34.80	-11.20	46.00	14.07	20.73	PK
4	644.2700	42.30	-3.70	46.00	17.36	24.94	PK
5	708.6900	43.30	-2.70	46.00	17.51	25.79	PK
6	837.6100	42.10	-3.90	46.00	15.10	27.00	PK

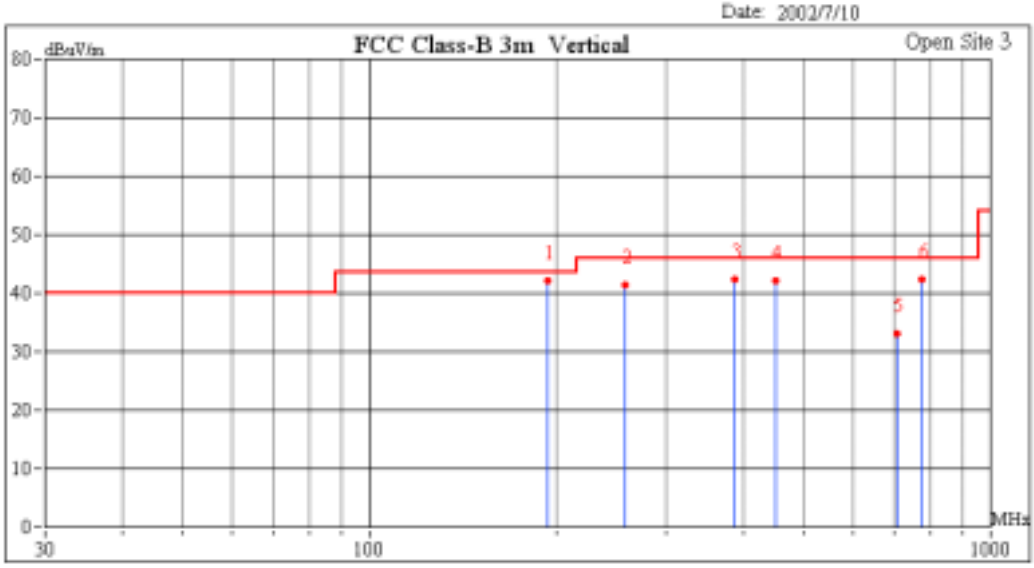
15.209 Radiated Test Data – RX CH-1 Vertical

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: RX CH-1

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2800	42.10	-1.40	43.50	27.85	14.25	QP
2	257.7000	41.40	-4.60	46.00	25.27	16.13	PK
3	386.5600	42.40	-3.60	46.00	22.40	20.00	PK
4	451.0100	42.10	-3.90	46.00	21.88	20.22	PK
5	708.7300	33.00	-13.00	46.00	7.21	25.79	QP
6	773.1400	42.50	-3.50	46.00	16.50	26.00	PK

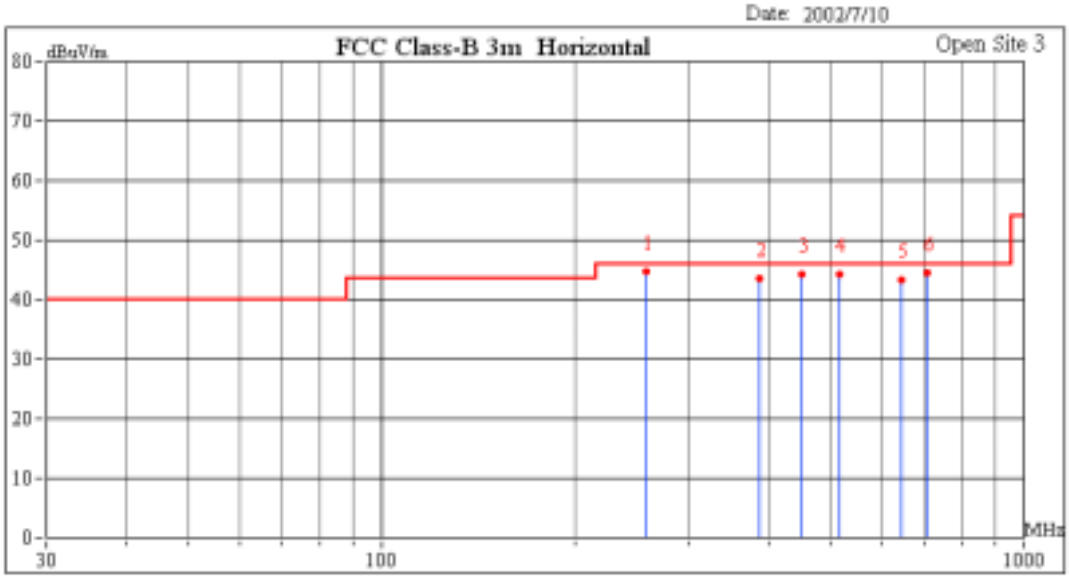
15.209 Radiated Test Data – RX CH-6 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: RX CH-6

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	257.7300	44.70	-1.30	46.00	28.58	16.12	PK
2	386.5500	43.60	-2.40	46.00	23.60	20.00	PK
3	450.9800	44.30	-1.70	46.00	24.08	20.22	PK
4	515.4500	44.30	-1.70	46.00	21.24	23.06	PK
5	644.3100	43.30	-2.70	46.00	18.36	24.94	PK
6	708.7200	44.50	-1.50	46.00	18.71	25.79	PK

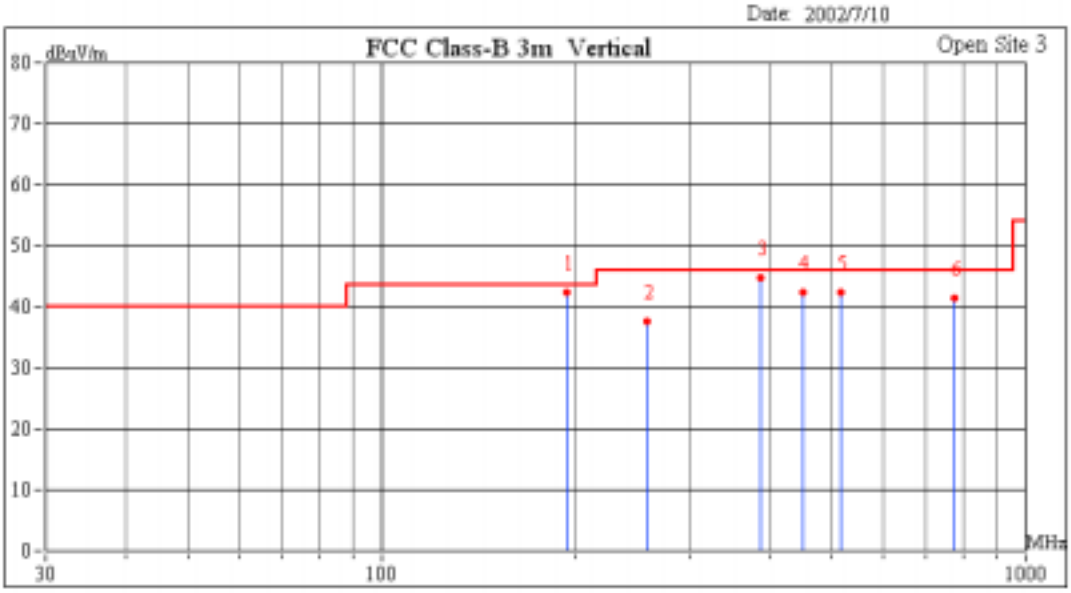
15.209 Radiated Test Data – RX CH-6 Vertical

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: RX CH-6

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2800	42.50	-1.00	43.50	28.25	14.25	PK
2	257.8900	37.60	-8.40	46.00	21.48	16.12	QP
3	386.5700	44.70	-1.30	46.00	24.70	20.00	QP
4	450.9800	42.40	-3.60	46.00	22.18	20.22	PK
5	515.4100	42.50	-3.50	46.00	19.44	23.06	PK
6	773.1500	41.40	-4.60	46.00	15.40	26.00	PK

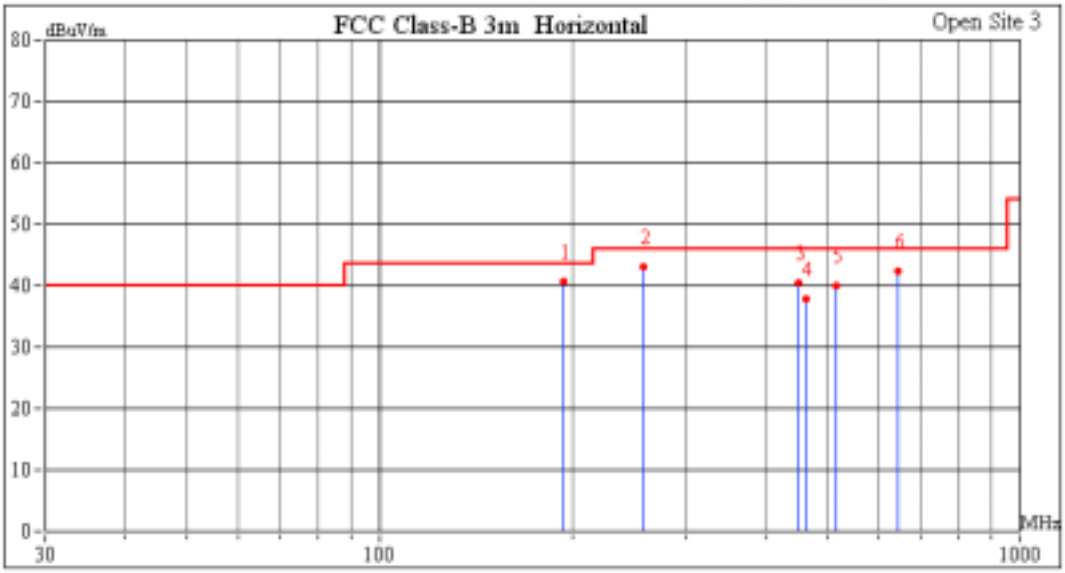
15.209 Radiated Test Data – RX CH-11 Horizontal

C&C LABORATORY CO., LTD.

Custom Name: MITAC Test Mode: RX CH-11

Model Name: 8575 Engineer Name: MARKBA LEE

Date: 2002/7/10



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	193.2700	40.70	-2.80	43.50	26.45	14.25	PK
2	257.6900	43.10	-2.90	46.00	26.97	16.13	QP
3	450.9800	40.40	-5.60	46.00	20.18	20.22	PK
4	462.0000	37.90	-8.10	46.00	17.17	20.73	PK
5	515.4300	39.90	-6.10	46.00	16.84	23.06	QP
6	644.2500	42.50	-3.50	46.00	17.56	24.94	PK

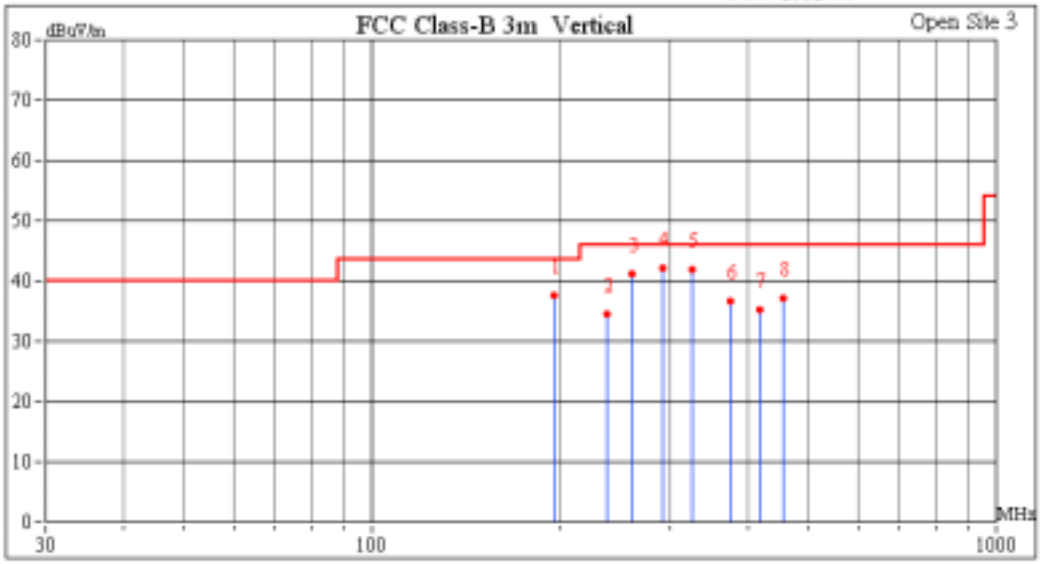
15.209 Radiated Test Data – RX CH-11 Vertical

C&C LABORATORY CO., LTD.

Custom Name: FIC Test Mode: RX CH-11

Model Name: VERSA S260 Engineer Name: JOE

Date: 2002/7/9



	Frequency(MHz)	Amplitude(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Read Amplitude(dBuV)	Factor(dB)	
1	195.2525	37.60	-5.90	43.50	23.15	14.45	PK
2	238.3146	34.49	-11.51	46.00	18.64	15.85	PK
3	260.1182	41.24	-4.76	46.00	25.17	16.07	PK
4	292.8236	42.15	-3.85	46.00	25.75	16.40	PK
5	324.8056	41.88	-4.12	46.00	24.53	17.35	PK
6	374.1844	36.72	-9.28	46.00	17.39	19.33	PK
7	417.9198	35.33	-10.67	46.00	14.81	20.52	PK
8	454.6012	37.08	-8.92	46.00	16.69	20.39	PK

AC Line Conducted Emissions
Test Requirement: 15.207

Measurement Equipment Used:

Conducted Emission Test Site # 3					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
EMI Test Receiver	R&S	ESCS30	847793/012	12/19/2001	12/18/2002
LISN	R&S	ESH2-Z5	843285/010	12/10/2001	12/09/2002
LISN	EMCO	3825/2	9003-1628	07/26/2002	07/25/2003
Spectrum Analyzer	ADVANTEST	R3261C	71720533	11/05/2001	11/04/2002
2X2 WIRE ISN	R&S	ENY22	100020	06/20/2002	06/19/2003
FOUR WIRE ISN	R&S	ENY41	100006	06/20/2002	06/19/2003

Test Set-Up:

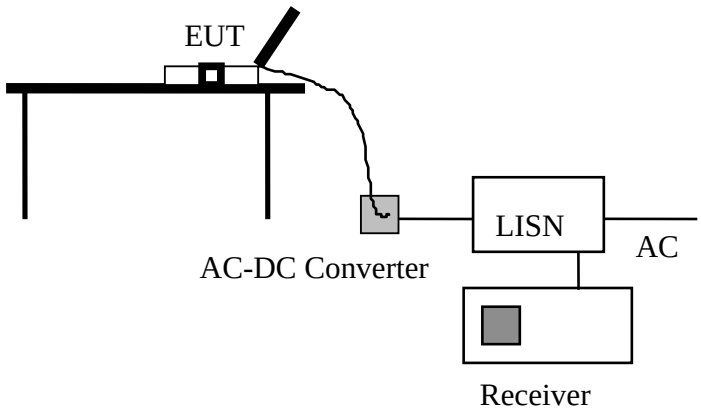


Fig. 3

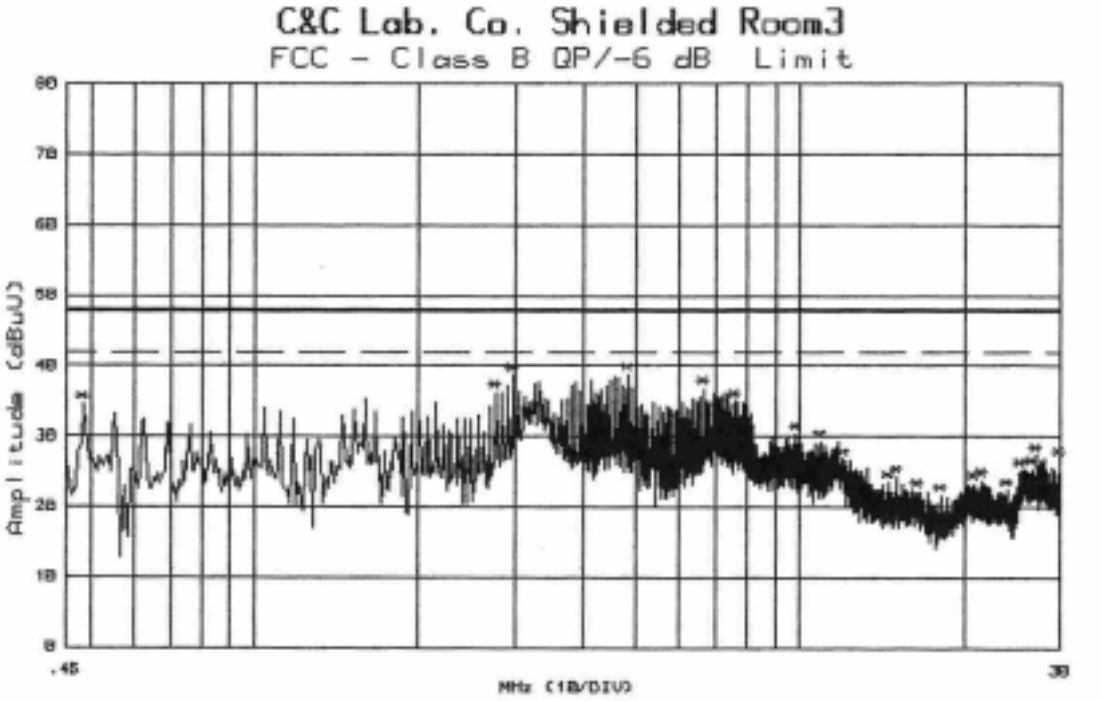
Test Procedure:

1. The EUT was placed on a wooden table 40 cm from a vertical ground plane and approximately 80 cm above the horizontal ground plane on the floor. The EUT was set to transmit in a normal mode.

2. Line conducted data was recorded for both NEUTRAL and HOT lines.

Test Results : Refer to attached graph (Worst Data).

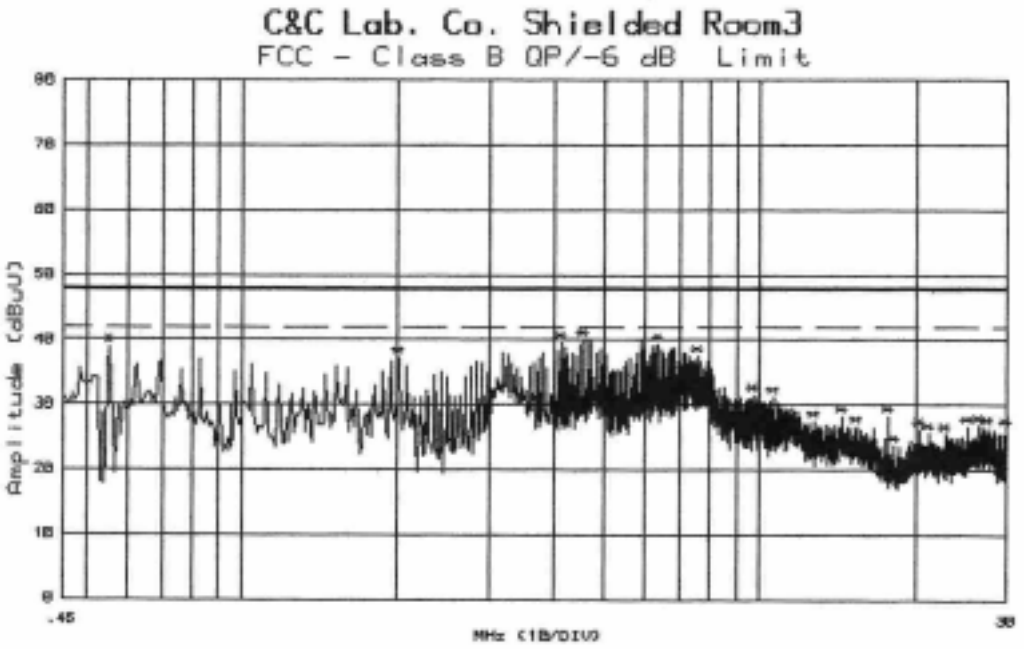
Conducted Test Data Standby L1



Customer:MITAC File#: 4630 Date : 4 Jul 2002 19:12:09
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :STANDBY

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.485	34.1	.4	34.5	48.0	-13.5	
2	2.770	35.9	.3	36.2	48.0	-11.8	
3	2.980	38.4	.3	38.7	48.0	-9.3	
4	4.850	38.3	.5	38.8	48.0	-9.2	
5	6.650	36.2	.5	36.7	48.0	-11.3	
6	7.620	34.5	.5	35.0	48.0	-13.0	
7	9.840	29.8	.5	30.3	48.0	-17.7	
8	10.880	28.8	.5	29.3	48.0	-18.7	
9	12.040	26.1	.5	26.6	48.0	-21.4	
10	14.590	22.9	.5	23.4	48.0	-24.6	
11	15.090	23.7	.5	24.2	48.0	-23.8	
12	16.500	21.7	.5	22.2	48.0	-25.8	
13	18.210	21.1	.5	21.6	48.0	-26.4	
14	20.840	22.9	.4	23.3	48.0	-24.7	
15	21.600	23.4	.4	23.8	48.0	-24.2	
16	23.970	21.9	.4	22.3	48.0	-25.7	
17	25.410	24.4	.7	25.1	48.0	-22.9	
18	26.670	24.7	.7	25.4	48.0	-22.6	
19	27.180	26.6	.7	27.3	48.0	-20.7	
20	29.980	26.0	.7	26.7	48.0	-21.3	

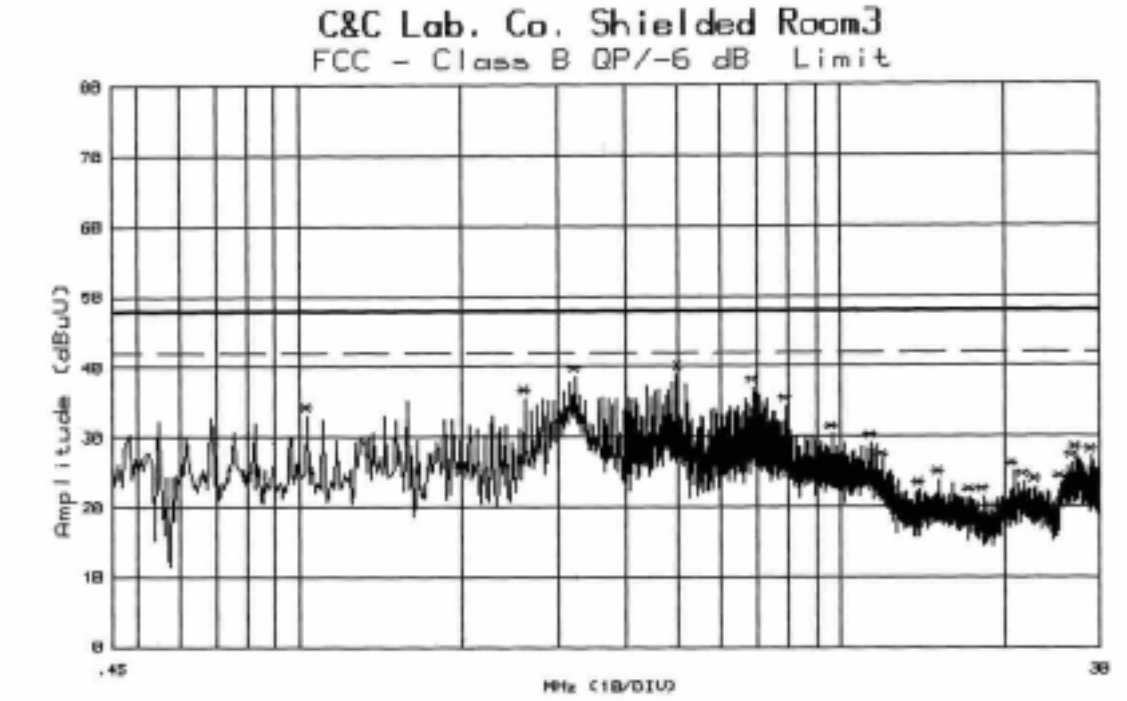
Conducted Test Data Standby L2



Customer:MITAC File#: 4631 Date : 4 Jul 2002 19:23:27
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :STANDBY

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.555	38.4	.5	38.8	48.0	-9.2	
2	2.010	36.9	.3	37.2	48.0	-10.8	
3	4.150	39.1	.4	39.5	48.0	-8.5	
4	4.570	39.5	.4	39.9	48.0	-8.1	
5	6.370	38.9	.4	39.3	48.0	-8.7	
6	7.610	37.0	.4	37.4	48.0	-10.6	
7	9.750	31.0	.4	31.4	48.0	-16.6	
8	10.660	30.9	.3	31.2	48.0	-16.8	
9	12.740	27.1	.3	27.4	48.0	-20.6	
10	14.470	27.8	.3	28.1	48.0	-19.9	
11	15.420	26.4	.2	26.6	48.0	-21.4	
12	17.770	27.9	.2	28.1	48.0	-19.9	
13	18.210	23.4	.2	23.7	48.0	-24.3	
14	20.370	26.1	.1	26.2	48.0	-21.8	
15	21.170	25.4	.1	25.5	48.0	-22.5	
16	22.880	25.3	.1	25.4	48.0	-22.6	
17	25.220	26.2	.3	26.5	48.0	-21.5	
18	26.490	26.5	.3	26.8	48.0	-21.2	
19	27.670	26.1	.3	26.4	48.0	-21.6	
20	29.930	26.0	.3	26.3	48.0	-21.7	

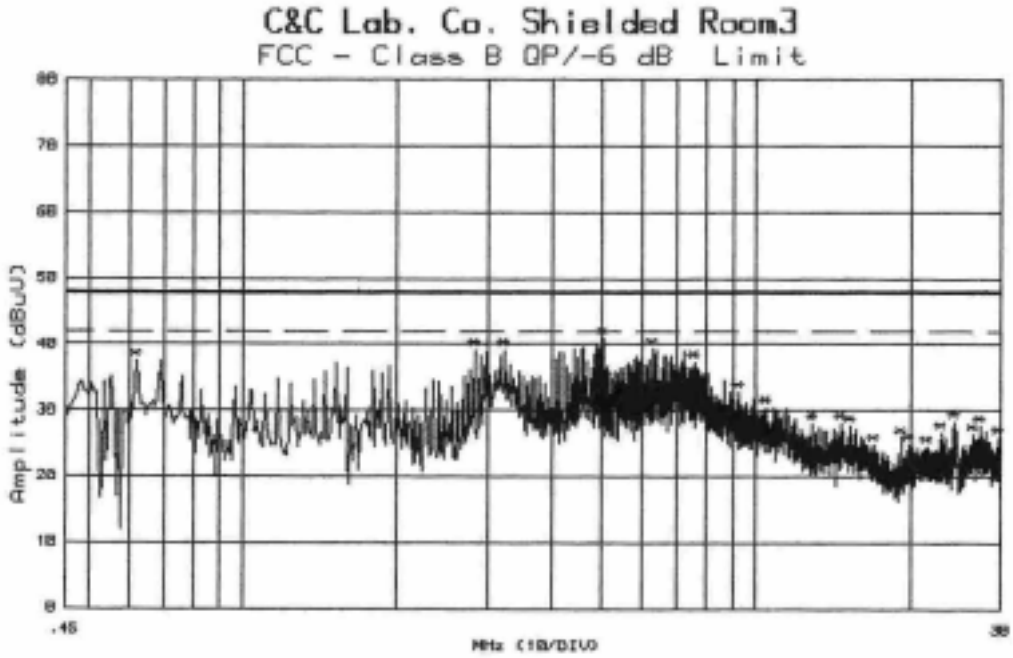
Conducted Test Data TX CH-1 L1



Customer:MITAC File#: 4617 Date : 4 Jul 2002 16:37:50
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-1

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	1.030	32.6	.4	33.0	48.0	-15.0	
2	2.610	35.2	.3	35.5	48.0	-12.5	
3	3.230	38.3	.3	38.6	48.0	-9.4	
4	5.020	38.4	.5	38.9	48.0	-9.1	
5	6.880	36.5	.5	37.0	48.0	-11.0	
6	7.910	33.8	.5	34.3	48.0	-13.7	
7	9.640	29.8	.5	30.3	48.0	-17.7	
8	11.360	28.5	.5	29.0	48.0	-19.0	
9	11.970	25.8	.5	26.3	48.0	-21.7	
10	13.970	21.8	.5	22.3	48.0	-25.7	
11	15.190	23.3	.5	23.8	48.0	-24.2	
12	17.300	20.8	.5	21.3	48.0	-26.7	
13	18.270	20.9	.5	21.4	48.0	-26.6	
14	20.800	24.6	.4	25.0	48.0	-23.0	
15	21.690	23.0	.4	23.4	48.0	-24.6	
16	22.790	22.3	.4	22.7	48.0	-25.3	
17	25.420	22.4	.7	23.1	48.0	-24.9	
18	26.660	25.4	.7	26.1	48.0	-21.9	
19	27.140	26.6	.7	27.3	48.0	-20.7	
20	29.080	26.3	.7	27.0	48.0	-21.0	

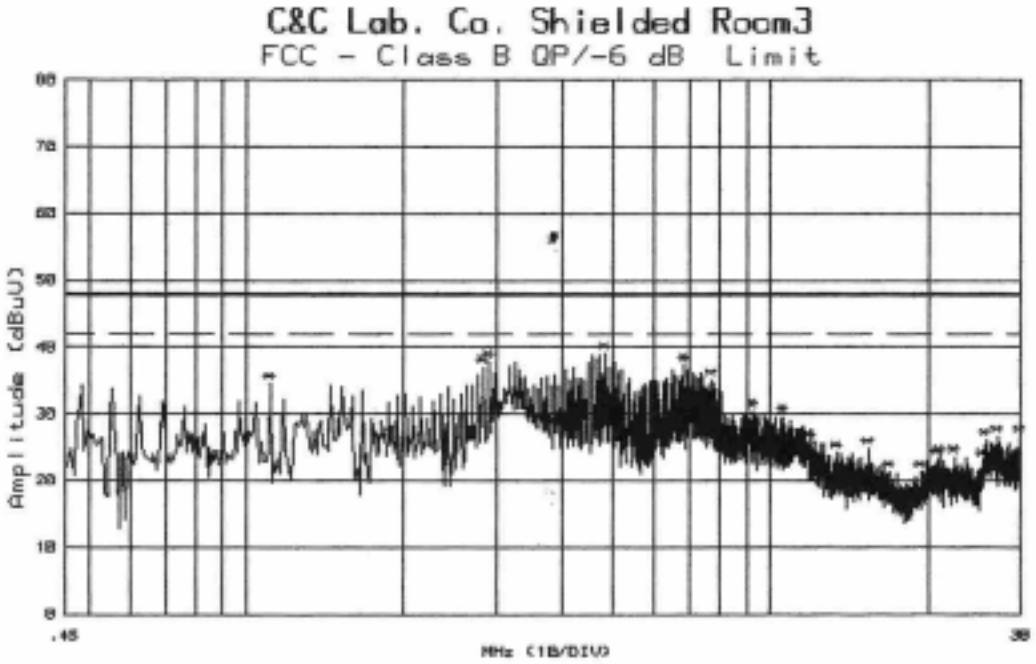
Conducted Test Data TX CH-1 L2



Customer:MITAC File#: 4618 Date : 4 Jul 2002 16:49:15
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-1

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.620	37.0	.5	37.5	48.0	-10.5	
2	2.830	38.8	.3	39.1	48.0	-8.9	
3	3.240	38.8	.3	39.1	48.0	-8.9	
4	5.040	40.4	.4	40.8	48.0	-7.2	
5	6.280	39.0	.4	39.3	48.0	-8.7	
6	7.590	36.9	.4	37.3	48.0	-10.7	
7	9.240	32.3	.4	32.7	48.0	-15.3	
8	10.500	30.1	.3	30.4	48.0	-17.6	
9	12.910	27.7	.3	28.0	48.0	-20.0	
10	14.630	27.8	.3	28.1	48.0	-19.9	
11	15.260	27.4	.2	27.6	48.0	-20.4	
12	16.990	24.6	.2	24.8	48.0	-23.2	
13	19.250	25.6	.2	25.8	48.0	-22.2	
14	19.830	24.6	.2	24.8	48.0	-23.2	
15	21.630	24.4	.1	24.5	48.0	-23.5	
16	22.960	26.5	.1	26.6	48.0	-21.4	
17	24.340	28.2	.1	28.3	48.0	-19.7	
18	26.580	26.0	.3	26.3	48.0	-21.7	
19	27.390	27.3	.3	27.6	48.0	-20.4	
20	29.690	25.6	.3	25.9	48.0	-22.1	

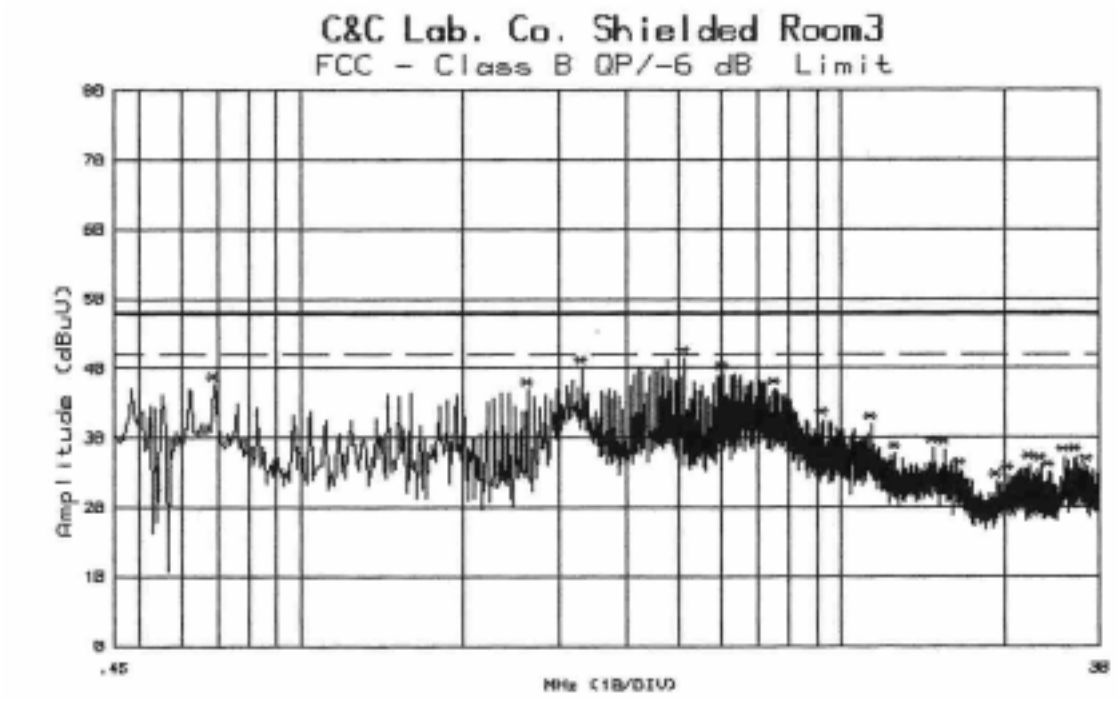
Conducted Test Data TX CH-6 L1



Customer:MITAC File#: 4620 Date : 4 Jul 2002 17:12:24
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-6

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	1.110	34.1	.4	34.5	48.0	-13.5	
2	2.840	36.7	.3	37.0	48.0	-11.0	
3	2.910	37.5	.3	37.8	48.0	-10.2	
4	4.850	38.5	.5	39.0	48.0	-9.0	
5	6.860	36.9	.5	37.4	48.0	-10.6	
6	7.750	34.6	.5	35.1	48.0	-12.9	
7	9.290	29.9	.5	30.4	48.0	-17.6	
8	10.600	29.1	.5	29.6	48.0	-18.4	
9	11.970	25.3	.5	25.8	48.0	-22.2	
10	13.440	23.6	.5	24.1	48.0	-23.9	
11	15.450	24.3	.5	24.8	48.0	-23.2	
12	16.840	20.7	.5	21.2	48.0	-26.8	
13	19.440	20.7	.5	21.2	48.0	-26.8	
14	20.850	22.8	.4	23.2	48.0	-24.8	
15	21.040	23.2	.4	23.6	48.0	-24.4	
16	22.540	23.2	.4	23.6	48.0	-24.4	
17	25.450	22.3	.7	23.0	48.0	-25.0	
18	25.750	25.4	.7	26.1	48.0	-21.9	
19	27.200	25.9	.7	26.6	48.0	-21.4	
20	29.910	25.9	.7	26.6	48.0	-21.4	

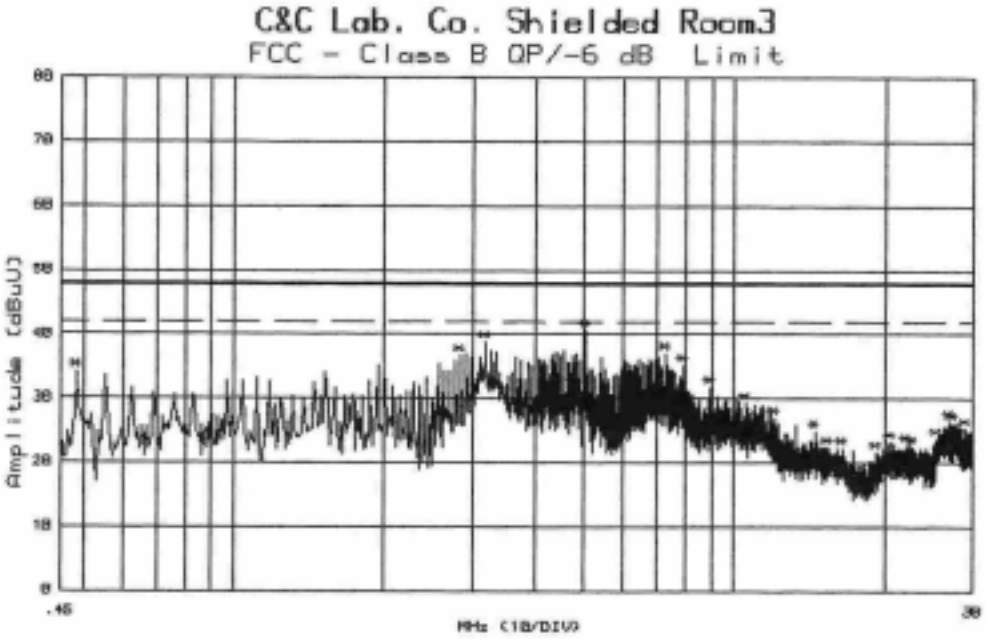
Conducted Test Data TX CH-6 L2



Customer:MITAC File#: 4619 Date : 4 Jul 2002 17:00:46
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-6

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.690	37.1	.5	37.6	48.0	-10.4	
2	2.630	36.5	.3	36.8	48.0	-11.2	
3	3.320	39.6	.3	39.9	48.0	-8.1	
4	5.120	41.0	.4	41.4	48.0	-6.6	
5	6.020	38.8	.4	39.2	48.0	-8.8	
6	7.530	36.5	.4	36.9	48.0	-11.1	
7	9.270	32.1	.4	32.5	48.0	-15.5	
8	11.350	31.5	.3	31.8	48.0	-16.2	
9	12.590	27.3	.3	27.6	48.0	-20.4	
10	14.820	28.2	.3	28.5	48.0	-19.5	
11	15.480	28.1	.2	28.3	48.0	-19.7	
12	16.560	25.1	.2	25.3	48.0	-22.7	
13	19.440	23.4	.2	23.6	48.0	-24.4	
14	20.320	24.5	.1	24.6	48.0	-23.4	
15	22.270	26.1	.1	26.2	48.0	-21.8	
16	23.350	25.8	.1	25.9	48.0	-22.1	
17	24.180	24.9	.1	25.0	48.0	-23.0	
18	25.920	26.9	.3	27.1	48.0	-20.9	
19	27.070	26.9	.3	27.2	48.0	-20.8	
20	28.560	25.6	.3	25.9	48.0	-22.1	

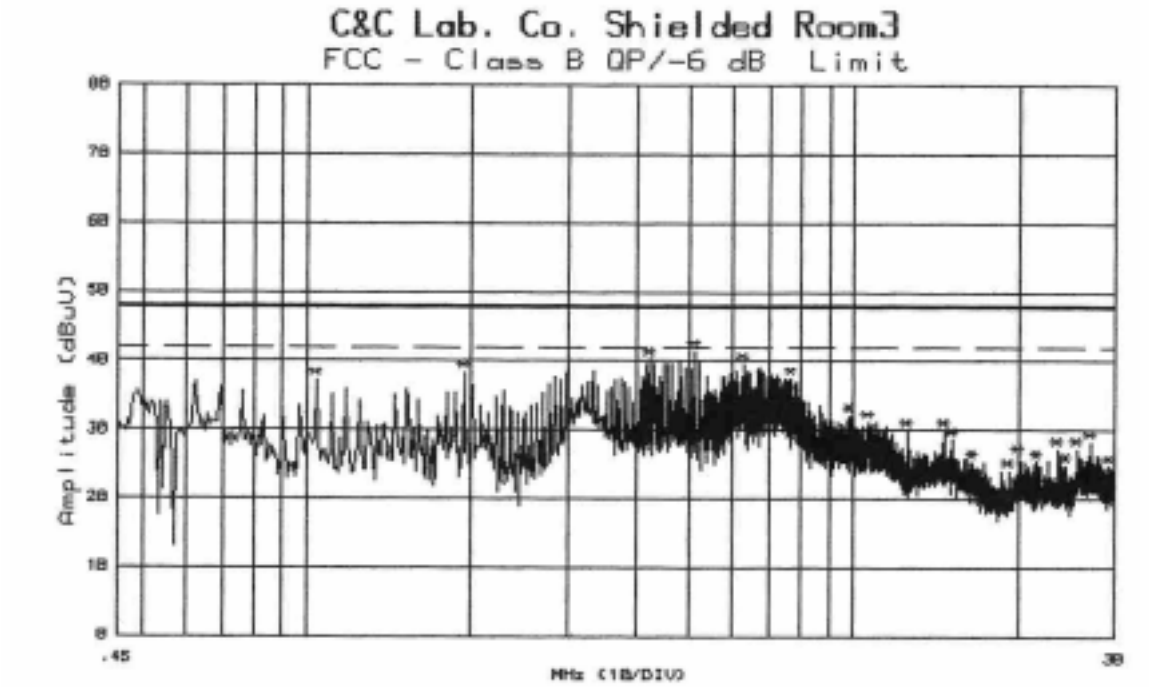
Conducted Test Data TX CH-11 L1



Customer:MITAC File#: 4621 Date : 4 Jul 2002 17:24:02
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-11

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.485	33.7	.4	34.1	48.0	-13.9	
2	2.840	36.3	.3	36.6	48.0	-11.4	
3	3.180	38.4	.3	38.7	48.0	-9.3	
4	5.060	40.1	.5	40.6	48.0	-7.4	
5	7.280	36.5	.5	37.0	48.0	-11.0	
6	7.900	34.7	.5	35.2	48.0	-12.8	
7	8.940	31.2	.5	31.7	48.0	-16.3	
8	10.520	28.8	.5	29.3	48.0	-18.7	
9	12.060	26.5	.5	27.0	48.0	-21.0	
10	14.490	24.3	.5	24.8	48.0	-23.2	
11	15.440	21.8	.5	22.3	48.0	-25.7	
12	16.470	21.7	.5	22.2	48.0	-25.8	
13	19.270	21.1	.5	21.6	48.0	-26.4	
14	20.590	22.7	.4	23.1	48.0	-24.9	
15	22.050	22.4	.4	22.8	48.0	-25.2	
16	22.730	22.0	.4	22.4	48.0	-25.6	
17	25.380	23.0	.7	23.7	48.0	-24.3	
18	26.980	25.7	.7	26.4	48.0	-21.6	
19	27.460	25.4	.7	26.1	48.0	-21.9	
20	28.990	24.5	.7	25.2	48.0	-22.8	

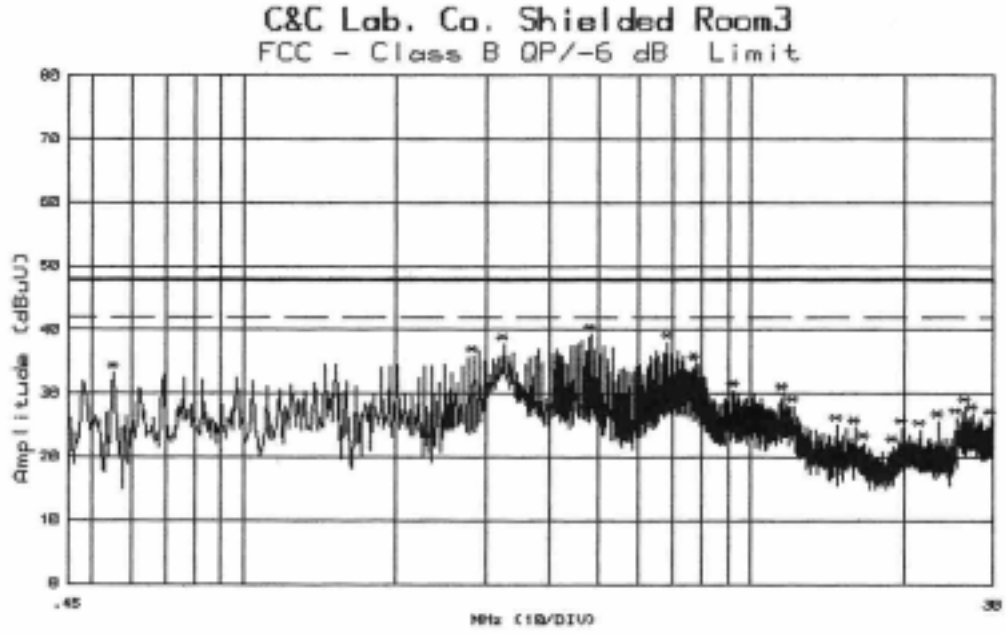
Conducted Test Data TX CH-11 L2



Customer:MITAC File#: 4622 Date : 4 Jul 2002 17:35:16
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :TX CH-11

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	1.040	36.7	.5	37.2	48.0	-10.8	
2	1.940	37.8	.5	38.3	48.0	-9.7	
3	4.230	39.9	.4	40.3	48.0	-7.7	
4	5.130	41.0	.4	41.4	48.0	-6.6	
5	6.300	39.1	.4	39.5	48.0	-8.5	
6	7.690	37.1	.4	37.5	48.0	-10.5	
7	9.840	31.6	.4	32.0	48.0	-16.0	
8	10.610	30.8	.3	31.1	48.0	-16.9	
9	12.550	29.6	.3	29.9	48.0	-18.1	
10	14.700	29.6	.3	29.9	48.0	-18.1	
11	15.180	28.4	.2	28.6	48.0	-19.4	
12	16.520	25.2	.2	25.4	48.0	-22.6	
13	19.260	23.8	.2	24.0	48.0	-24.0	
14	20.080	26.1	.1	26.2	48.0	-21.8	
15	21.660	25.3	.1	25.4	48.0	-22.6	
16	23.580	27.1	.1	27.2	48.0	-20.8	
17	24.500	24.7	.1	24.8	48.0	-23.2	
18	25.680	26.9	.3	27.2	48.0	-20.8	
19	27.110	27.9	.3	28.2	48.0	-19.8	
20	29.340	24.4	.3	24.7	48.0	-23.3	

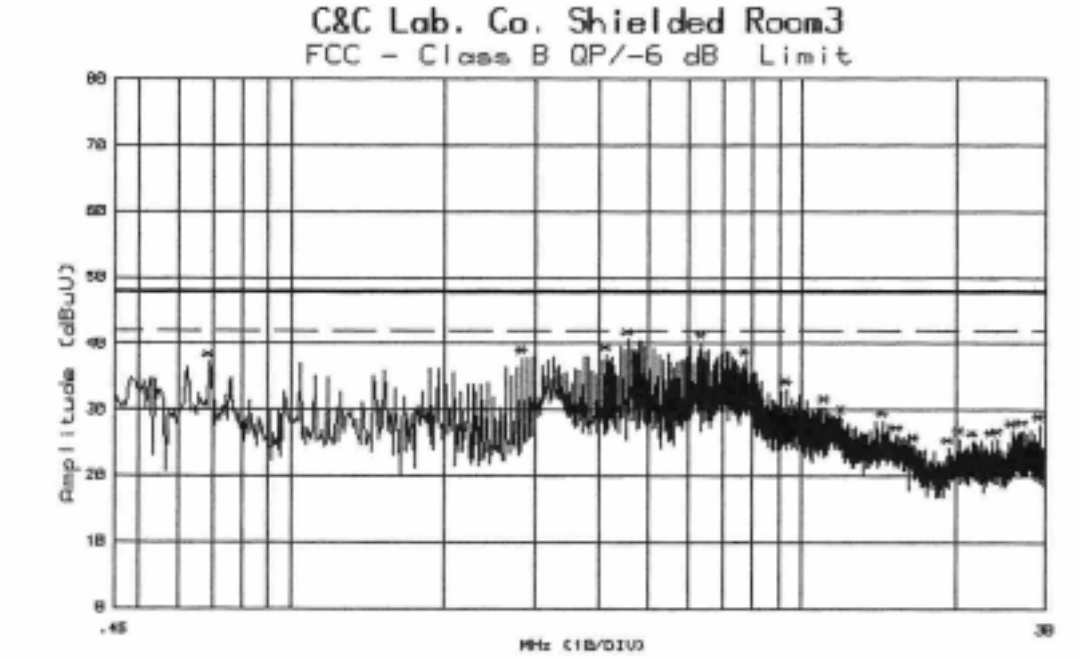
Conducted Test Data RX CH-1 L1



Customer:MITAC File#: 4629 Date : 4 Jul 2002 18:57:56
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-1

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.555	32.8	.4	33.2	48.0	-14.8	
2	2.840	35.5	.3	35.8	48.0	-12.2	
3	3.250	37.4	.3	37.7	48.0	-10.3	
4	4.850	38.7	.5	39.2	48.0	-8.8	
5	6.860	37.5	.5	38.0	48.0	-10.0	
6	7.760	34.2	.5	34.7	48.0	-13.3	
7	9.280	29.9	.5	30.4	48.0	-17.6	
8	11.560	29.4	.5	29.9	48.0	-18.1	
9	12.120	27.5	.5	28.0	48.0	-20.0	
10	14.760	24.5	.5	25.0	48.0	-23.0	
11	16.000	24.1	.5	24.6	48.0	-23.4	
12	16.700	21.7	.5	22.2	48.0	-25.8	
13	19.020	21.2	.5	21.7	48.0	-26.3	
14	19.830	24.0	.5	24.5	48.0	-23.5	
15	21.530	23.9	.4	24.3	48.0	-23.7	
16	23.430	25.2	.4	25.6	48.0	-22.4	
17	25.380	25.4	.7	26.1	48.0	-21.9	
18	26.470	27.3	.7	27.9	48.0	-20.1	
19	27.370	26.1	.7	26.8	48.0	-21.2	
20	29.640	25.3	.7	26.0	48.0	-22.0	

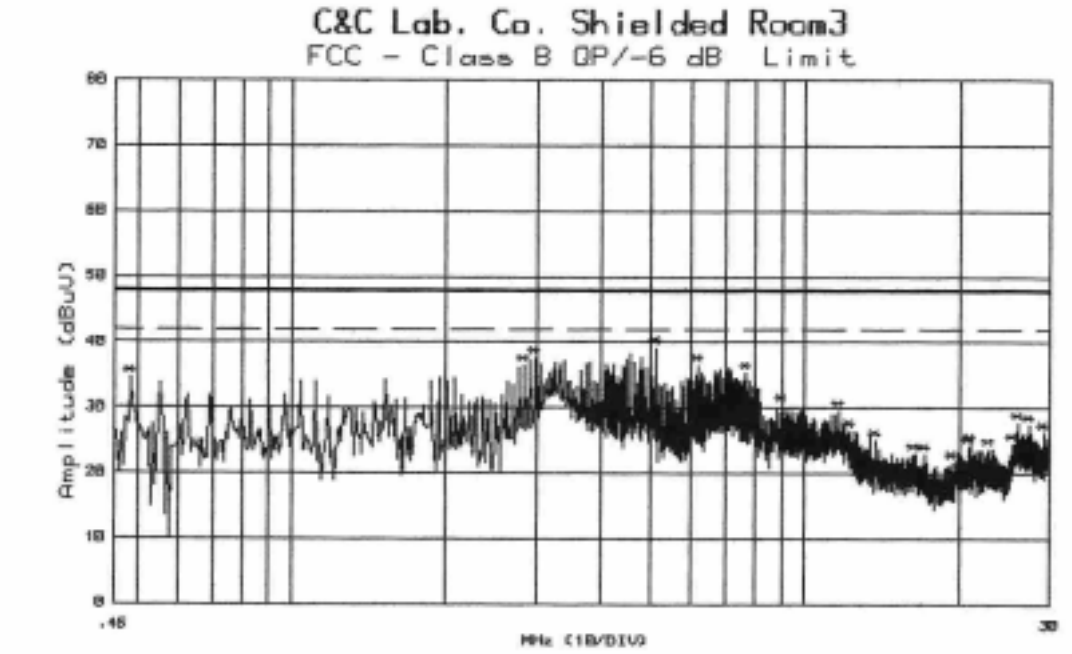
Conducted Test Data RX CH-1 L2



Customer:MITAC File#: 4628 Date : 4 Jul 2002 18:46:31
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-1

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.690	36.7	.5	37.2	48.0	-10.8	
2	2.840	37.5	.3	37.8	48.0	-10.2	
3	4.150	37.8	.4	38.2	48.0	-9.8	
4	4.570	40.2	.4	40.6	48.0	-7.4	
5	6.370	39.8	.4	40.1	48.0	-7.9	
6	7.760	37.2	.4	37.6	48.0	-10.4	
7	9.350	32.6	.4	33.0	48.0	-15.0	
8	11.080	30.1	.3	30.4	48.0	-17.6	
9	11.990	28.5	.3	28.8	48.0	-19.2	
10	14.450	28.0	.3	28.3	48.0	-19.7	
11	15.370	25.9	.2	26.1	48.0	-21.9	
12	16.640	24.4	.2	24.6	48.0	-23.4	
13	19.370	24.0	.2	24.2	48.0	-23.8	
14	20.390	25.5	.1	25.6	48.0	-22.4	
15	21.670	25.1	.1	25.2	48.0	-22.8	
16	23.590	25.2	.1	25.3	48.0	-22.7	
17	24.180	25.4	.1	25.5	48.0	-22.5	
18	25.910	26.4	.3	26.7	48.0	-21.3	
19	27.120	26.6	.3	26.9	48.0	-21.1	
20	29.150	27.5	.3	27.8	48.0	-20.2	

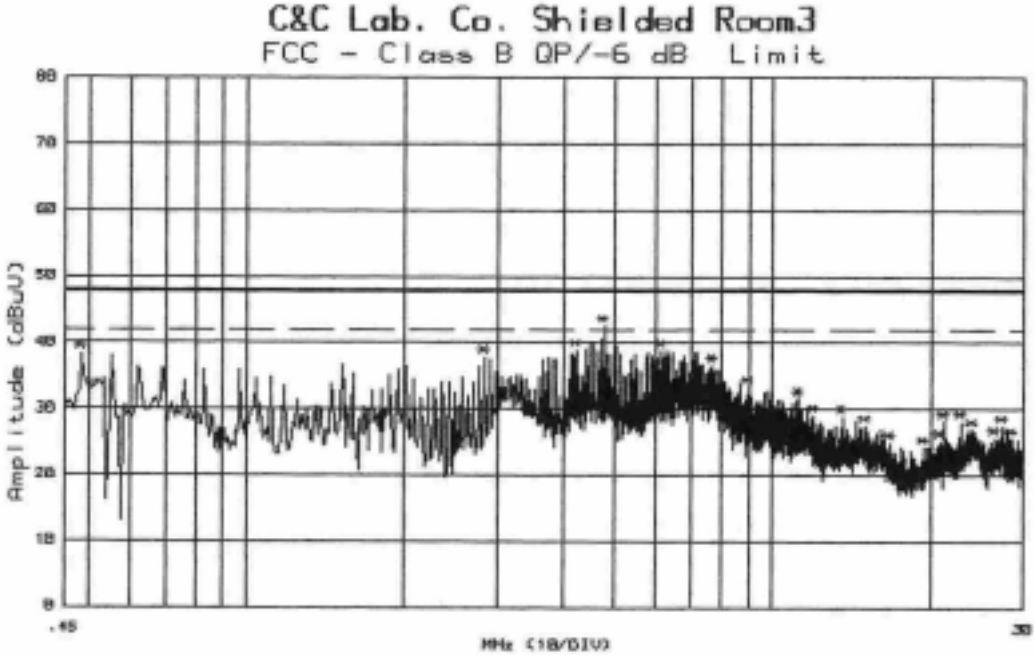
Conducted Test Data RX CH-6 L1



Customer:MITAC File#: 4626 Date : 4 Jul 2002 18:24:03
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-6

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.485	34.1	.4	34.5	48.0	-13.5	
2	2.840	36.1	.3	36.4	48.0	-11.6	
3	2.980	37.2	.3	37.5	48.0	-10.5	
4	5.130	38.6	.5	39.1	48.0	-8.9	
5	6.170	36.0	.5	36.5	48.0	-11.5	
6	7.690	34.8	.5	35.2	48.0	-12.8	
7	9.000	30.0	.5	30.5	48.0	-17.5	
8	11.630	29.0	.5	29.5	48.0	-18.5	
9	12.270	26.0	.5	26.5	48.0	-21.5	
10	13.690	24.5	.5	25.0	48.0	-23.0	
11	16.300	22.4	.5	22.9	48.0	-25.1	
12	17.140	22.3	.5	22.8	48.0	-25.2	
13	19.400	21.1	.5	21.6	48.0	-26.4	
14	20.860	23.7	.4	24.1	48.0	-23.9	
15	21.040	24.0	.4	24.4	48.0	-23.6	
16	22.840	23.3	.4	23.7	48.0	-24.3	
17	25.370	23.7	.7	24.4	48.0	-23.6	
18	25.970	27.0	.7	27.7	48.0	-20.3	
19	27.390	26.7	.7	27.4	48.0	-20.6	
20	29.280	25.5	.7	26.2	48.0	-21.8	

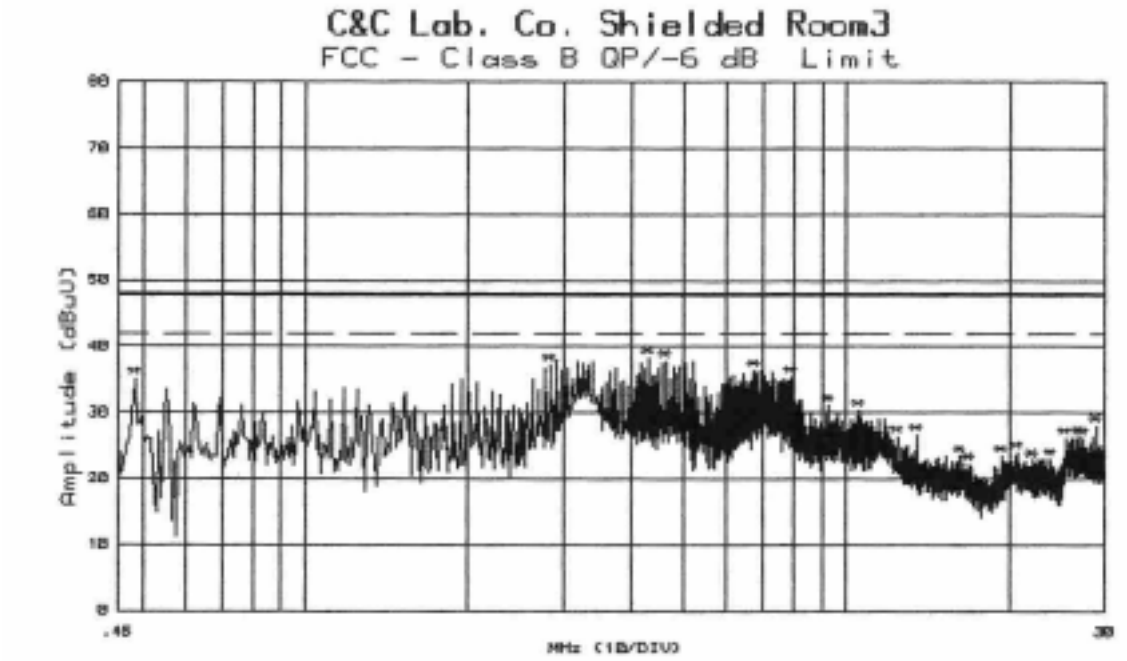
Conducted Test Data RX CH-6 L2



Customer:MITAC File#: 4627 Date : 4 Jul 2002 18:35:16
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-6

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.485	37.9	.4	38.3	48.0	-9.7	
2	2.840	37.5	.3	37.8	48.0	-10.2	
3	4.230	38.4	.4	38.8	48.0	-9.2	
4	4.780	42.1	.4	42.5	48.0	-5.5	
5	6.160	38.4	.4	38.8	48.0	-9.2	
6	7.690	36.1	.4	36.5	48.0	-11.5	
7	9.000	32.8	.4	33.2	48.0	-14.8	
8	11.220	31.2	.3	31.5	48.0	-16.5	
9	11.990	28.7	.3	29.0	48.0	-19.0	
10	13.570	28.6	.3	28.9	48.0	-19.1	
11	15.010	27.2	.2	27.4	48.0	-20.6	
12	16.720	24.7	.2	24.9	48.0	-23.1	
13	19.450	23.9	.2	24.1	48.0	-23.9	
14	20.830	25.0	.1	25.1	48.0	-22.9	
15	21.210	28.0	.1	28.1	48.0	-19.9	
16	22.840	23.3	.4	23.7	48.0	-24.3	
17	25.370	23.7	.7	24.4	48.0	-23.6	
18	25.970	27.0	.7	27.7	48.0	-20.3	
19	27.390	26.7	.7	27.4	48.0	-20.6	
20	29.280	25.5	.7	26.2	48.0	-21.8	

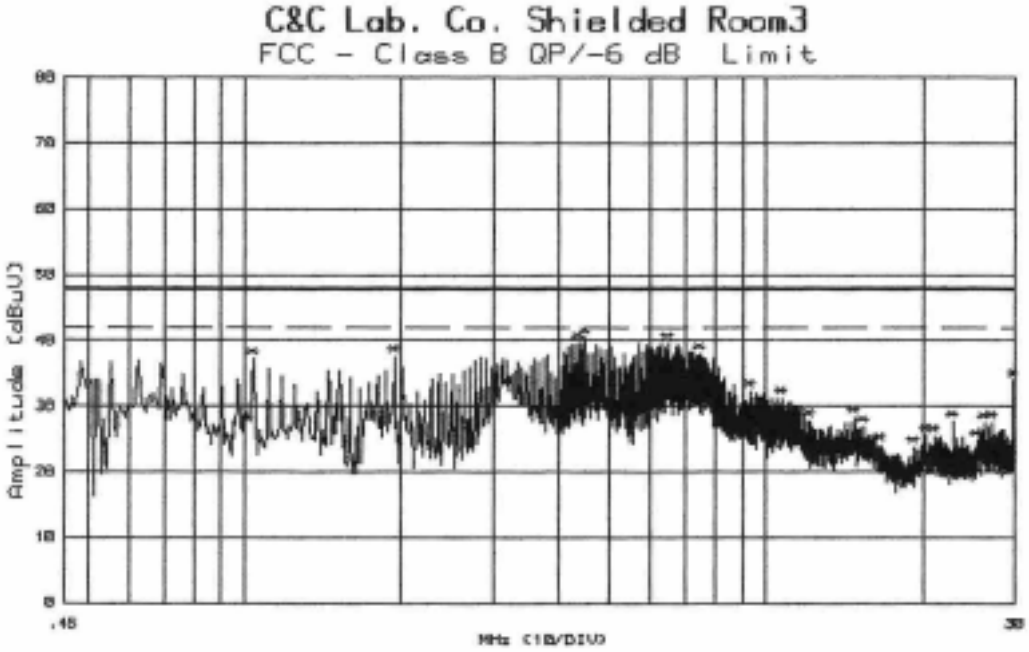
Conducted Test Data RX CH-11 L1



Customer:MITAC File#: 4625 Date : 4 Jul 2002 18:12:39
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L1 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-11

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	.485	34.7	.4	35.1	48.0	-12.9	
2	2.840	36.9	.3	37.2	48.0	-10.8	
3	4.300	37.7	.5	38.2	48.0	-9.8	
4	4.640	37.3	.5	37.8	48.0	-10.2	
5	6.790	35.8	.5	36.3	48.0	-11.7	
6	7.900	34.9	.5	35.4	48.0	-12.6	
7	9.290	30.5	.5	31.0	48.0	-17.0	
8	10.540	29.9	.5	30.4	48.0	-17.6	
9	12.410	25.9	.5	26.4	48.0	-21.6	
10	13.510	26.1	.5	26.6	48.0	-21.4	
11	16.240	22.9	.5	23.4	48.0	-24.6	
12	16.890	21.7	.5	22.2	48.0	-25.8	
13	19.350	22.9	.5	23.4	48.0	-24.6	
14	20.750	23.6	.4	24.0	48.0	-24.0	
15	22.150	22.4	.4	22.8	48.0	-25.2	
16	23.900	22.5	.4	22.9	48.0	-25.1	
17	25.350	25.4	.7	26.1	48.0	-21.9	
18	26.860	25.5	.7	26.2	48.0	-21.8	
19	27.470	25.4	.7	26.1	48.0	-21.9	
20	28.980	27.3	.7	28.0	48.0	-20.0	

Conducted Test Data RX CH-11 L2



Customer:MITAC File#: 4624 Date : 4 Jul 2002 18:01:34
Model :8575 Humd.:60 (%) Temp. :27 (C)
Mode :. Port :L2 Tested by:MARKBA LEE
Reading :Peak(R&S Receiver)
Remark :RX CH-11

No.	Freq. (MHz)	Reading (dBuV)	I_Loss (dB)	Total (dBuV)	QP.Lmt (dBuV)	Margin (dB)	Warning Mark
1	1.040	36.6	.5	37.1	48.0	-10.9	
2	1.940	37.1	.5	37.6	48.0	-10.4	
3	4.370	39.1	.4	39.5	48.0	-8.5	
4	4.510	39.9	.4	40.3	48.0	-7.7	
5	6.520	39.2	.4	39.6	48.0	-8.4	
6	7.490	37.6	.4	38.0	48.0	-10.0	
7	9.360	31.8	.4	32.2	48.0	-15.8	
8	10.750	30.9	.3	31.2	48.0	-16.8	
9	12.180	27.4	.3	27.7	48.0	-20.3	
10	14.770	27.9	.3	28.2	48.0	-19.8	
11	15.360	26.6	.2	26.8	48.0	-21.2	
12	16.550	23.9	.2	24.1	48.0	-23.9	
13	19.280	23.5	.2	23.7	48.0	-24.3	
14	20.280	25.4	.1	25.5	48.0	-22.5	
15	21.040	25.3	.1	25.4	48.0	-22.6	
16	22.780	27.5	.1	27.6	48.0	-20.4	
17	25.450	24.4	.3	24.7	48.0	-23.3	
18	26.240	27.0	.3	27.3	48.0	-20.7	
19	27.230	27.2	.3	27.5	48.0	-20.5	
20	29.850	33.6	.3	33.9	48.0	-14.1	

Minimum 6 DB Bandwidth for DSSS
Test Requirement: 15.247(a)(2)

Measurement Equipment Used:

EQUIPMENT TYPE	MFR	Model No.	Serial No.	LAST CAL.	Cal. Due.
Spectrum Analyzer	ADVANTEST	R3271A	NA	10/15/2001	10/14/2002
low loss cable	Huber + Suhner	Sucoflex 104	N/A	N/A	N/A

Test Set-up:

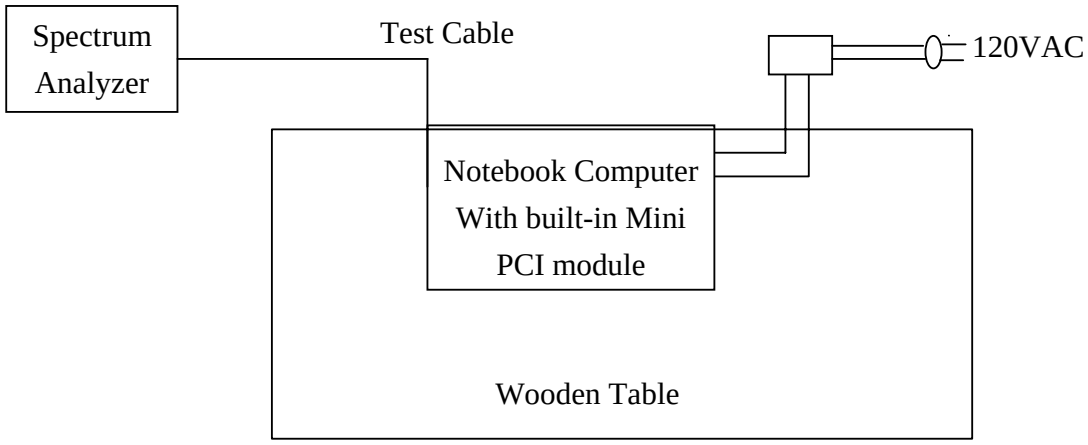


Fig. 4

Fig. 4 : Measurement setup for testing on Antenna connector

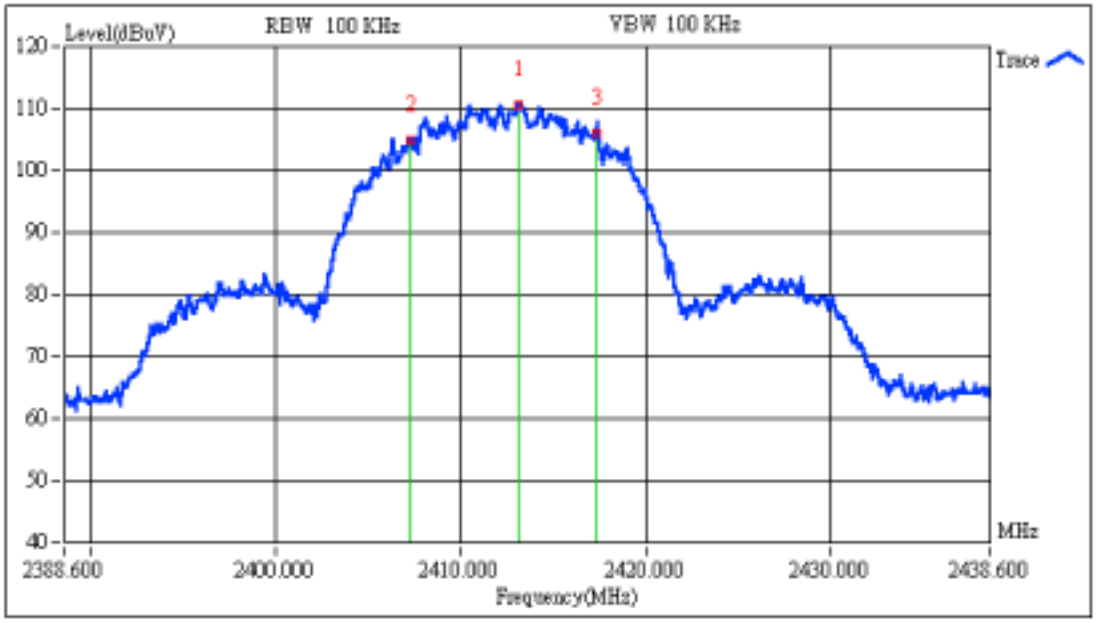
Test Procedure:

The minimum 6dB band width was measured with a spectrum analyzer connected to RF antenna connector(conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.
The analyzer center frequency was set to the EUT carrier frequency, using the analyzer.
Display Line and Marker Delta functions, the 6dB band width of the emission was determined.

Test Results: Refer to attached spectrum analyzer data chart.

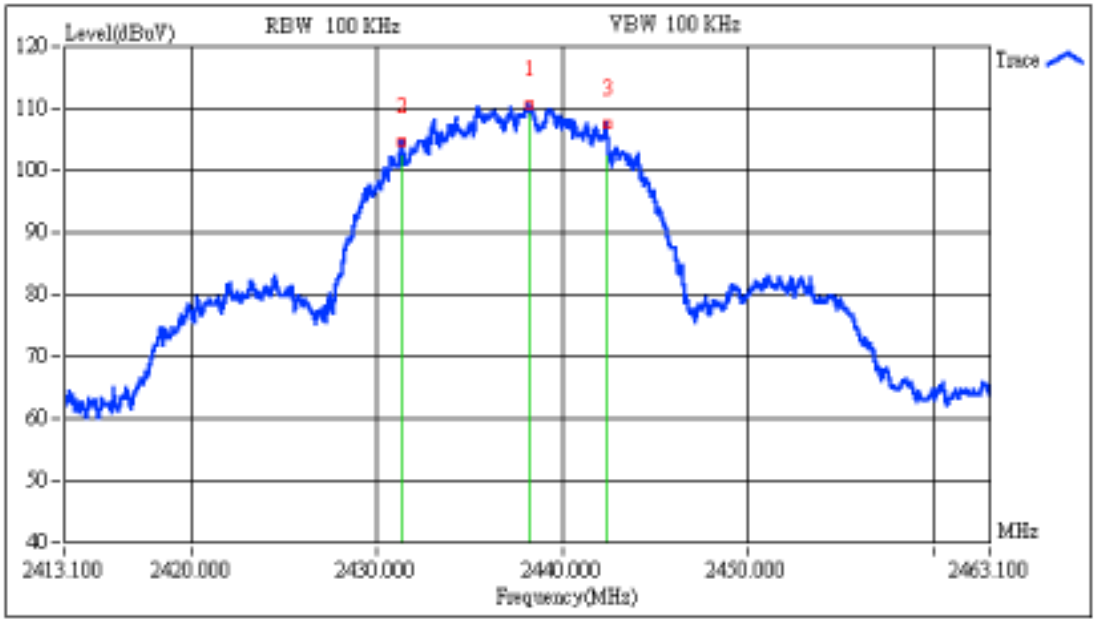
6dB band width >500KHz
(1) 2413.10MHz (Low) 11.00MHz
(2) 2438.20MHz (Mid) 11.10MHz
(3) 2463.10MHz (High) 11.10MHz

6dB Band Width Test Data CH-1



Custom Name:	MITAC	Engineer:	MARKBA LEE		
Model Name:	8575	Report No.:	020025-R		
Test Mode:	TX CH-1				
Peak	2413.10 MHz	110.71 dBuV		Band Width	11.000 MHz
Delta1	2406.30 MHz	104.88 dBuV	Delta2	2417.30 MHz	105.91 dBuV

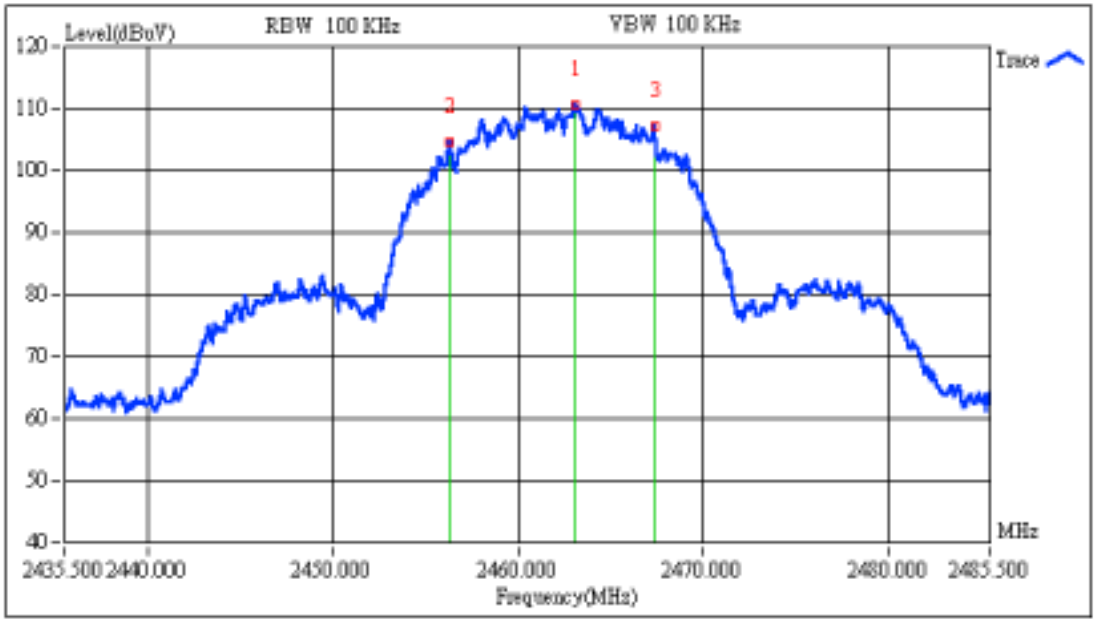
6dB Band Width Test Data CH-6



Custom Name: MITAC
Engineer: MARKBA LEE
Model Name: 8575
Report No.: 020025-R
Test Mode: TX CH-6

Peak 2438.20 MHz 110.55 dBuV
Band Width 11.100 MHz
Delta1 2431.30 MHz 104.56 dBuV
Delta2 2442.40 MHz 107.40 dBuV

6dB Band Width Test Data CH-11



Custom Name:	MITAC	Engineer:	MARKBA LEE		
Model Name:	8575	Report No.:	020025-R		
Test Mode:	TX CH-11				
Peak	2463.10 MHz	110.48 dBuV		Band Width	11.100 MHz
Delta1	2456.30 MHz	104.50 dBuV		Delta2	2467.40 MHz 107.06 dBuV

RF Power Output
Test Requirement: 15.247(b)

Measurement Equipment Used:

EQUIPMENT TYPE	MFR	Model No.	Serial No.	LAST CAL.	Cal. Due.
Power Meter	HP	436A	2709A29027	02/15/2002	02/14/2003
Power Sensor	HP	8481A	2702A61366	03/16/2002	03/15/2003
low loss cable	Huber + Suhner	Sucoflex 104	N/A	N/A	N/A

Test Set-up:

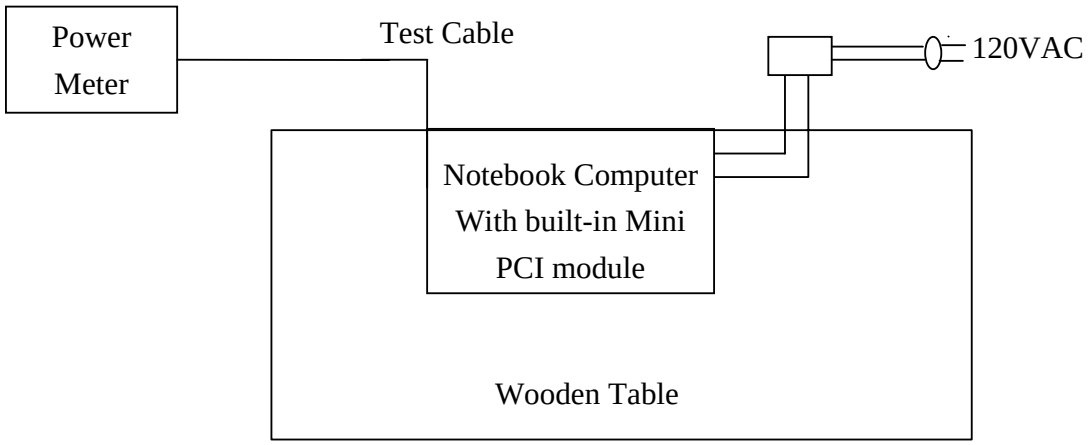


Fig. 5

Fig. 5 : Measurement setup for testing on Antenna connector

Test Procedure

The RF power output was measured with a power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency, A power meter was used to record the shape of the transmit signal see Fig. 5-2 for the measurement set up.

Test Results:

TX Freq.(MHz)	Reading (dBm)	Cable Loss	Power Output (dBm)	Limit (dBm)
2412 (Low)	15.15	1.37	16.52	30
2437 (Mid)	15.21	1.37	16.58	30
2462 (High)	15.06	1.37	16.43	30

Design goal for transmitter output power: 18.0dBm output.

Out of Band Measurements
Test Requirement: 15.247(c)

Measurement Equipment Used:

EQUIPMENT TYPE	MFR	Model No.	Serial No.	LAST CAL.	Cal. Due.
Spectrum Analyzer	ADVANTEST	R3271A	NA	10/15/2001	10/14/2002
low loss cable	Huber + Suhner	Sucoflex 104	N/A	N/A	N/A

Test set-up:

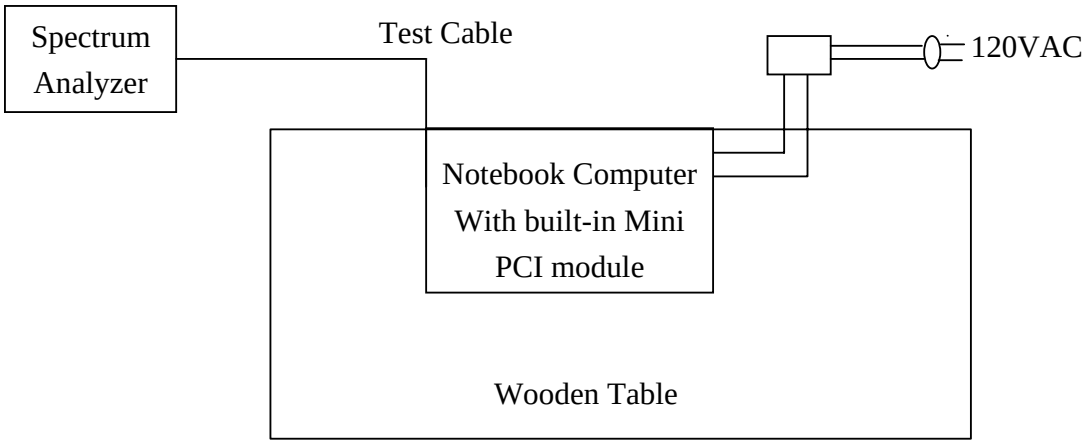


Fig. 6

Fig. 6 : Measurement setup for testing on Antenna connector

Test Procedure:

Section 15.247(c): Spurious emissions. The following tests are required:

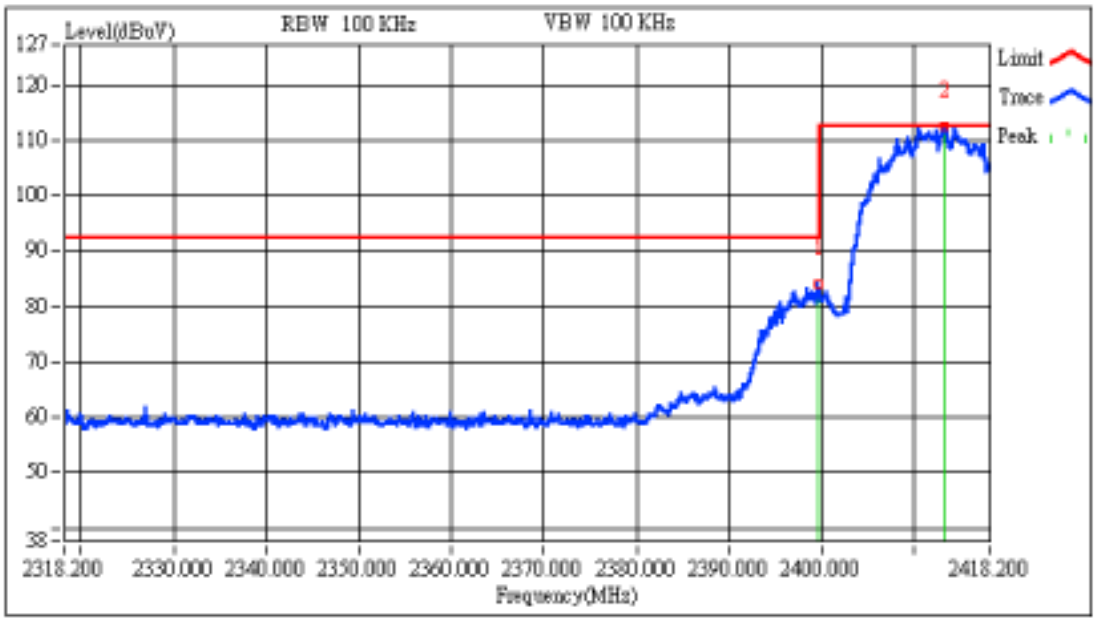
RF antenna conducted test: Set RBW= 100kHz, Video bandwidth (VBW) > RBW, scan up through 10th harmonic. All harmonics/spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW.

Test Results:

Conducted

Refer to attach spectrum analyzer data chart.

Out of Band Test Data CH-1



Custom Name: MITAC

Engineer: MARKBA LEE

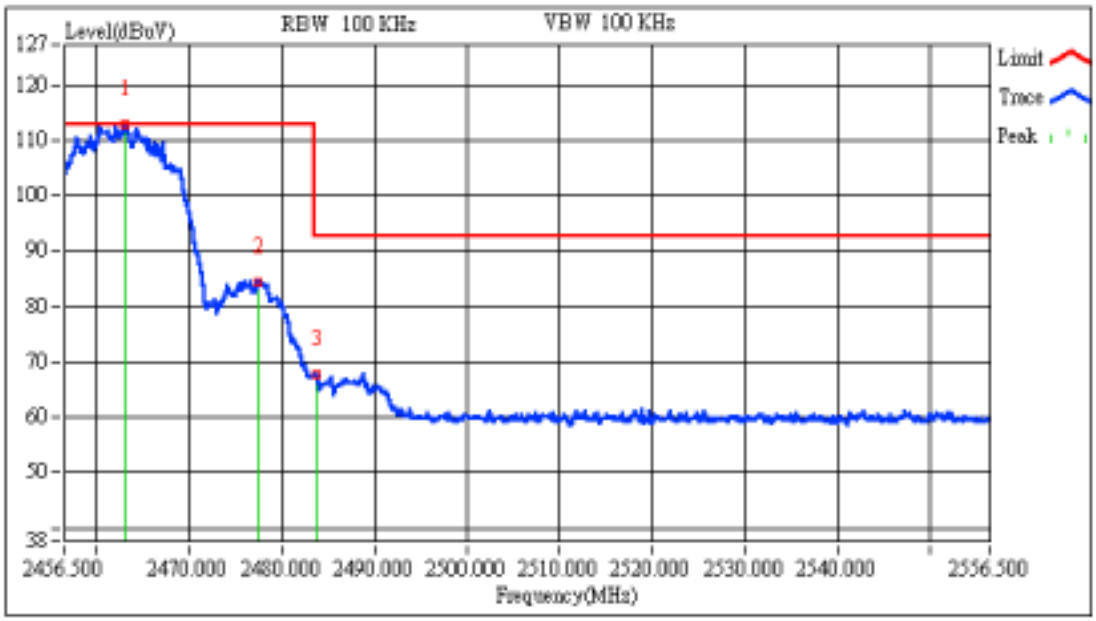
Model Name: 8575

Report No.: 020025-R

Test Mode: TX CH-1

	Frequency(MHz)	Read Level (dBuV)	Probe (dB)	Cable Loss (dB)	Level(dBuV)
1	2399.6000	81.52	0.00	2.40	83.92
2	2413.2000	109.96	0.00	2.40	112.36

Out of Band Test Data CH-11



Custom Name: MITAC

Engineer: MARKBA LEE

Model Name: 8575

Report No.: 020025-R

Test Mode: TX CH-11

	Frequency(MHz)	Read Level (dBuV)	Probe (dB)	Cable Loss (dB)	Level(dBuV)
1	2463.1000	110.33	0.00	2.40	112.73
2	2477.3000	81.81	0.00	2.40	84.21
3	2483.7000	65.44	0.00	2.40	67.84

DSSS Power Density
Test Requirement: 15.247(d)

Measurement Equipment Used:

EQUIPMENT TYPE	MFR	Model No.	Serial No.	LAST CAL.	Cal. Due.
Spectrum Analyzer	ADVANTEST	R3271A	NA	10/15/2001	10/14/2002
Plotter	HP	7475A	2938A29027	N/A	N/A
low loss cable	Huber + Suhner	Sucoflex 104	N/A	N/A	N/A

Test Set-Up:

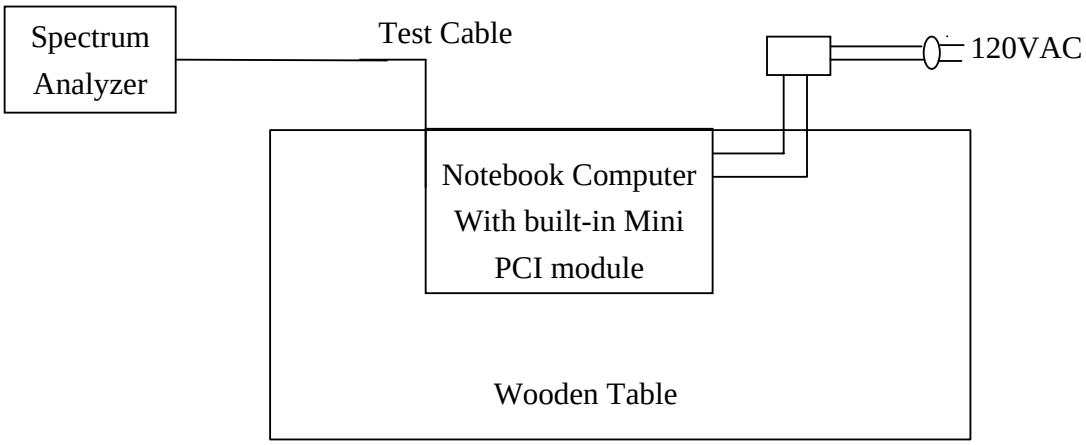


Fig. 7

Fig. 7 : Measurement setup for testing on Antenna connector

Test Procedure

Conducted:

The DSSS power Density was measured with a spectrum analyzer connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency, A spectrum analyzer was used and then print out for recording the shape of the transmit signal, see Fig. 7 for the measurement set up.

The transmitter emissions so measured were compared to the 8 dBm limit in the Rules.

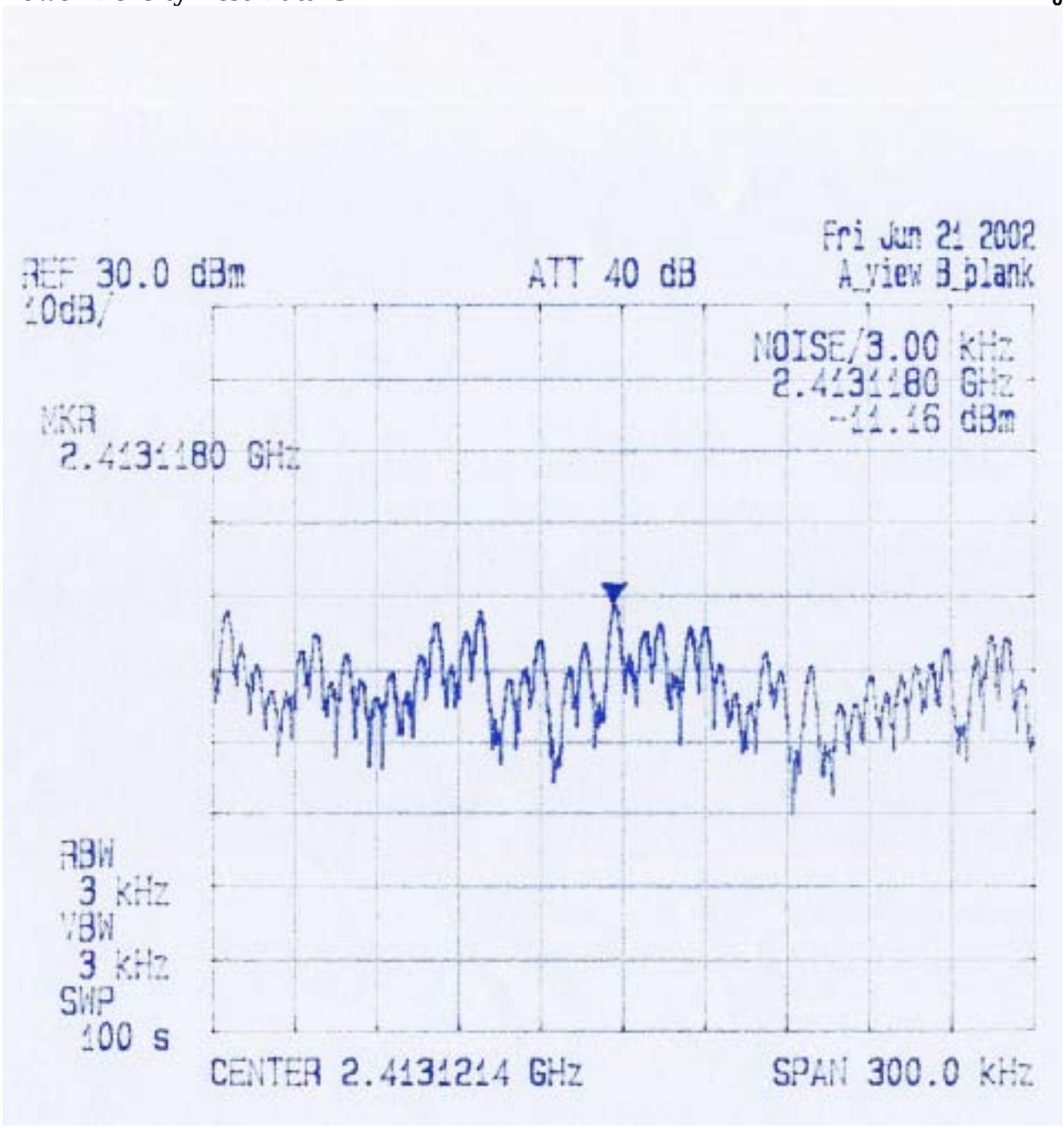
Test Results

Conducted Measurement

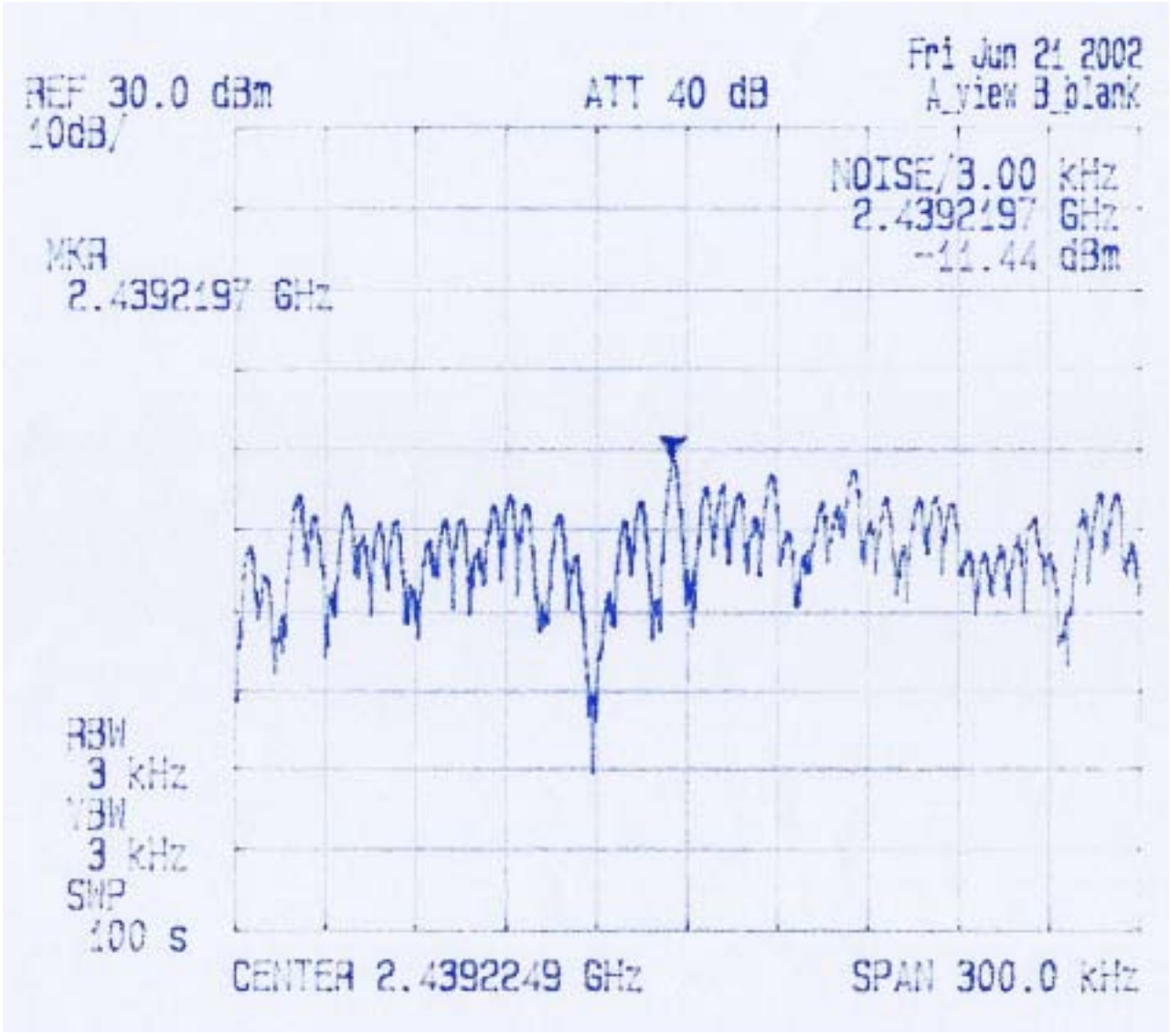
Refer to attached spectrum analyzer data chart.

F(GHz)	Reading	Cable Loss	Power Density	Limit
	(dBm)	(dB)	(dBm)	(dBm)
2.413	-11.16	1.37	-9.79	8
2.437	-11.44	1.37	-10.07	8
2.461	-11.68	1.37	-10.31	8

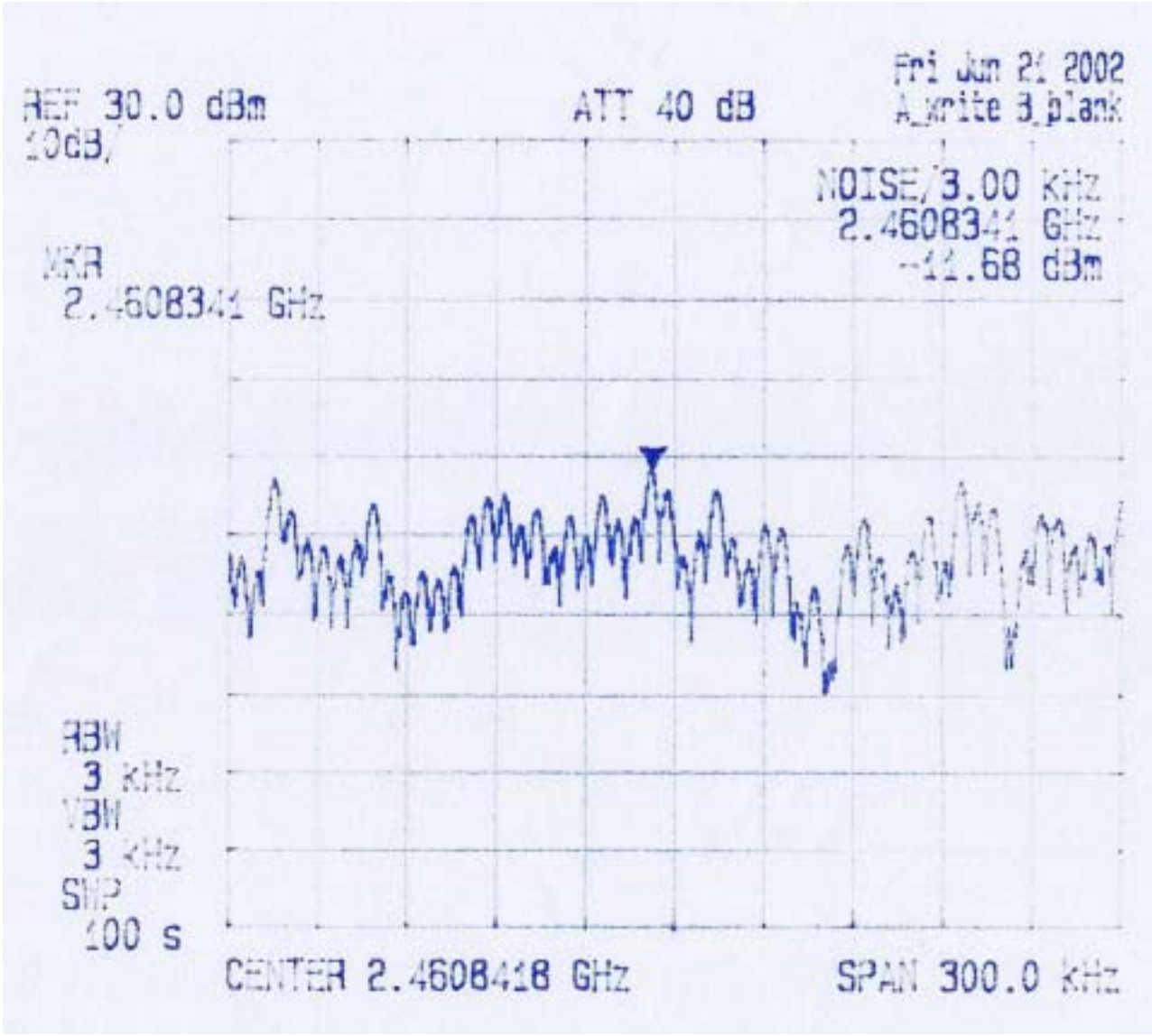
Power Density Test Data CH-1



Power Density Test Data CH-6



Power Density Test Data CH-11



6. ANTENNA REQUIREMENT

Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

And according to §15.246(1), if transmitting antennas of directional gain greater than 6dBi are used the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connected Construction

The directional gins of antenna used for transmitting is 3 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Please see EUT photo for details.

7. RF EXPOSURE

According to 15.247(b) and 1.1307(b),systems operating under the provisions of this section shall be operated in manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to 1.1310 and 2.1093 RF exposure is calculated.

Limits for Maximum permissive Exposure(MPE)

Frequency Range (MHz)	Elextric Field Strength (V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm^2)	Averaging Time (minute)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	/	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-15000	/	/	1.0	30

f=frequency in MHz

*=Plane-wave equivalent power density

8. MPE Prediction

Predication of MPE limit at a give distance

Equation form of 18 of OET Bulletin 65,Edition 97-01

$S=PG/4\pi R^2$

Where: S=power density

P=power input to antenne

G=power gain of the antenne in the direction of interest relative to an isotropic radiator

R=distance to the centere of radiation of the antenna

Maximum peak output power at antenna input terminal: 16.58 (dBm)

Maximum peak output power at antenna input terminal: 45.49 (mW)

Antenna Gain (typical): 3(dBi)

Predication distance: 20(cm)

Predication frequency: 2437(MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1(mW/cm^2)

Power density at predication frequency :0. 0180 (mW/cm^2)

Test result:

The predicted power density level at 20 cm is 0.0099mW/cm^2; this is below the uncontrolled exposure limit of 1mW/cm^2 at 2437 MHz.

This radio is intened to be install in laptop PC only and is thus classed as mobile equipment.