FCC TEST REPORT

REPORT NO.: RF930901L14

MODEL NO.: P600A (refer to page 7 for other model)

RECEIVED: Jul. 24, 2004

TESTED: Jul. 24 ~ Aug. 28, 2004

APPLICANT: SparkLAN Communications, Inc.

ADDRESS: 3Fl., No. 246, Sec. 1, Neihu Road., Neihu Chiu, Taipei, Taiwan 114, R.O.C

ISSUED BY: Advance Data Technology Corporation

LAB ADDRESS: No. 47, 14th Lin, Chiapau Tsun, Linko Hsiang, Taipei Hsien, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien, Taiwan, R.O.C.

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ACCREDITED
No. 2177-01

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Table of Contents

1 CERTIFICATION

PRODUCT :	Wireless 11g Outdoor AP Bridge (refer to page 7 for other product)
MODEL NO. :	P600A (refer to page 7 for other model)
BRAND NAME :	SparkLAN (refer to page 7 for other brand)
APPLICANT :	SparkLAN Communications, Inc.
TESTED :	Jul. 24 ~ Aug. 28, 2004
TEST SAMPLE :	ENGINEERING SAMPLE
STANDARDS :	FCC Part 15, Subpart C (Section 15.247), ANSI C63.4-2001

The above equipment (model no.: P600A) has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Andrea Hsia , **DATE:** Sep. 17, 2004
(Andrea Hsia)

TECHNICAL ACCEPTANCE : Gary Chang , **DATE:** Sep. 17, 2004
Responsible for RF (Gary Chang)

APPROVED BY : , **DATE:** Sep. 17, 2004
(Cody Chang, Deputy Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
Standard Section	**Test Type and Limit**	**Result**	**REMARK**
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is –8.47dB at 1.129MHz
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit.
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit.
15.247(c)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is –1.00dB at 1123.14, 1123.25, 1123.20MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(c)	Band Edge Measurement Limit: 20 dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

Measurement	Frequency	Uncertainty
Conducted emissions	9k~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.63 dB
	200MHz ~1000MHz	3.65 dB
	1GHz ~ 18GHz	2.20 dB
	18GHz ~ 40GHz	1.88 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless 11g Outdoor AP Bridge
MODEL NO.	P600A
POWER SUPPLY	48Vdc from POE
MODULATION TYPE	BPSK, QPSK, CCK, 16QAM, 64QAM
RADIO TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	25.293mW
ANTENNA TYPE	Patch antenna with 9.0dBi gain Dipole antenna with 8.0dBi gain
DATA CABLE	NA
I/O PORTS	RJ45
ASSOCIATED DEVICES	NA

NOTE:

1. The models as below are identical to each other expect for their models due to marketing requirement.

Brand	Model	Product Name	Remark
SparkLAN	P600A	Wireless 11g Outdoor AP Bridge	802.11g Wireless Outdoor AP Bridge with integrated 9dBi Patch Antenna
TRENDnet	TEW-412APBO	54Mbps 9dBi High Power Outdoor Wireless AP Bridge Router	Same as model P600A Only brand, model & product name different.

2. The EUT was tested with the following POE (Power over Ethernet):

BRAND:	Angtek
MODEL :	E110
INPUT :	100~240Vac, 50~60Hz, 0.25A
OUTPUT :	48Vdc, 0.35A, 16W

3. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
4. The EUT complies with IEEE 802.11g standards and backwards compatible with IEEE 802.11b products.
5. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Eleven channels are provided to this EUT.

Channel	Frequency	Channel	Frequency
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

NOTE:

1. Below 1GHz, the channel 1, 6, and 11 were pre-tested in chamber. The channel 11, the worst case, was chosen for final test.
2. Above 1GHz, the channel 1, 6, and 11 were tested individually.
3. From our experience and technical viewpoint, we have chosen data rates 11Mbps for CCK technique and 6Mbps for OFDM technique, as the worst cases for the test among other data rates.
4. Two test results were presented in the following sections. The test result A was for CCK technique and the test result B was for OFDM technique.
5. There are two test modes presented in Conducted Emission test and Radiated Emission test section, the test mode 1 was for Dipole antenna with 8dBi gain and the test mode 2 was for Patch antenna with 9dBi gain.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless 802.11g Access Point. According to the specifications of the manufacturer, it must complies with the requirements of the following standards:

FCC Part 15, Subpart C. (15.247)

ANSI C63.4: 2001

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

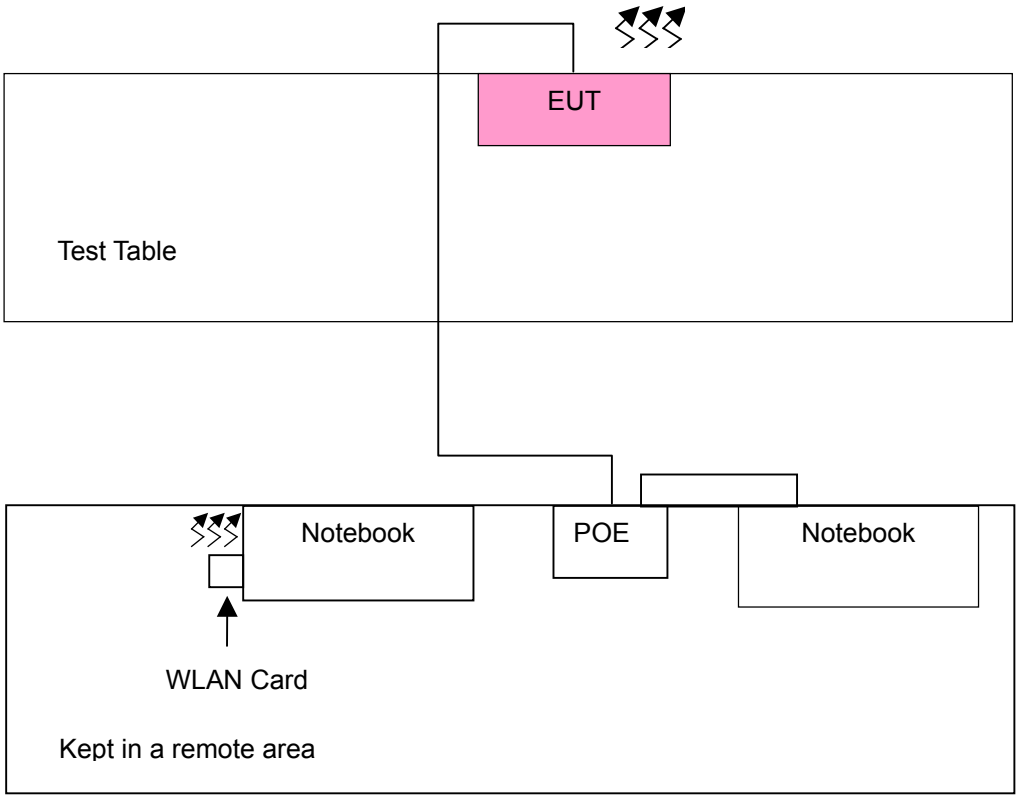
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Notebook	Compaq	N800C	470048-515	FCC DoC Approved
2	Notebook	Dell	PP01L	TW-09C748-12800-19O-B220	FCC DoC Approved
3	WLAN Card	NA	WN825G	20010133440002200100	ACQWN825G
4	POE	Angtek	E110	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA
3	NA
4	NA

NOTE:

1. All power cords of the above support units are non shielded (1.8m).
2. Item 1~4 act as a communication partner to transfer data.

3.5 CONFIGURATION OF SYSTEM UNDER TEST



4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 50

NOTE:
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Dec. 12, 2004
RF signal cable Woken	5D-FB	Cable-HYC01-01	Mar. 02, 2005
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Mar. 03, 2005
LISN ROHDE & SCHWARZ	ESH2-Z5	100104	Mar. 02, 2005
Software ADT	ADT_Cond_V3	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 1.
3. The VCCI Site Registration No. is C-2040.

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4.1.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

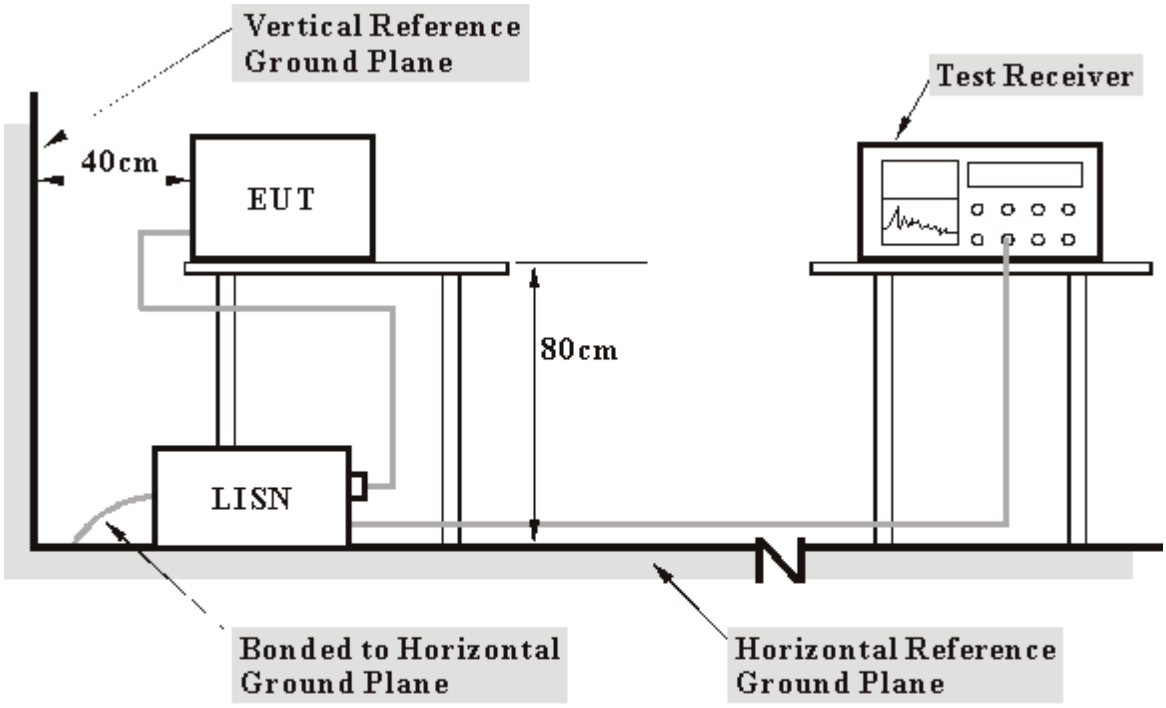
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels (Limit –20dB) was not recorded.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

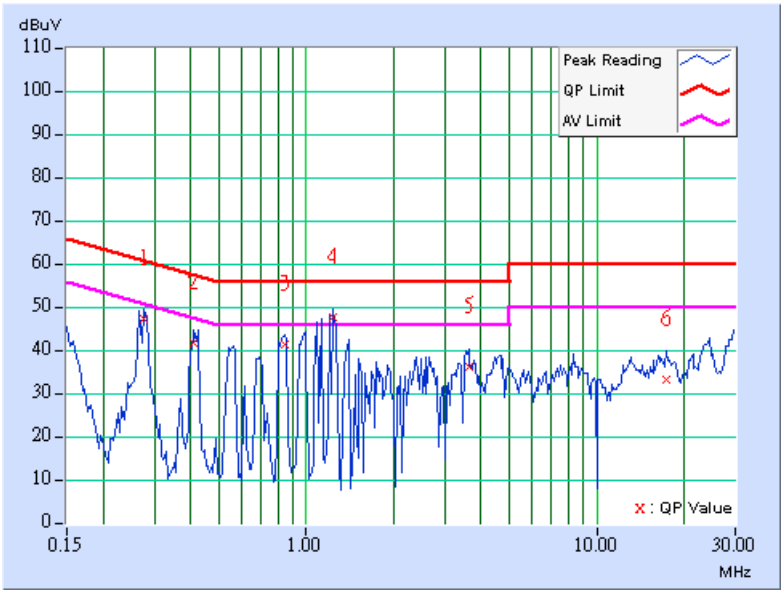
a. Placed the EUT on the testing table.
b. Prepared another Notebook system to act as a communication partner and placed it outside of testing area.
c. The communication partner run a test program (provided by manufacturer) to enable EUT under transmission/receiving condition continuously at specific channel frequency.
d. The communication partner sent data to EUT by command "PING".

4.1.7 TEST RESULTS

EUT	Wireless 11g Outdoor AP Bridge	MODEL	P600A
CHANNEL	1	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	TEST MODE	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.275	0.12	46.40	-	46.52	-	60.97	50.97	-14.44	-
2	0.412	0.13	40.95	-	41.08	-	57.61	47.61	-16.54	-
3	0.849	0.14	40.62	-	40.76	-	56.00	46.00	-15.24	-
4	1.234	0.15	46.82	32.55	46.97	32.70	56.00	46.00	-9.03	-13.30
5	3.625	0.20	35.25	-	35.45	-	56.00	46.00	-20.55	-
6	17.293	0.89	32.41	-	33.30	-	60.00	50.00	-26.70	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.275	0.11	45.25	-	45.36	-	60.97	50.97	-15.60	-
2	0.416	0.12	39.32	-	39.44	-	57.54	47.54	-18.10	-
3	0.849	0.14	40.14	-	40.28	-	56.00	46.00	-15.72	-
4	**1.129**	**0.15**	**47.38**	**33.01**	**47.53**	**33.16**	**56.00**	**46.00**	**-8.47**	**-12.84**
5	5.641	0.24	33.62	-	33.86	-	60.00	50.00	-26.14	-
6	12.496	0.46	32.56	-	33.02	-	60.00	50.00	-26.98	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
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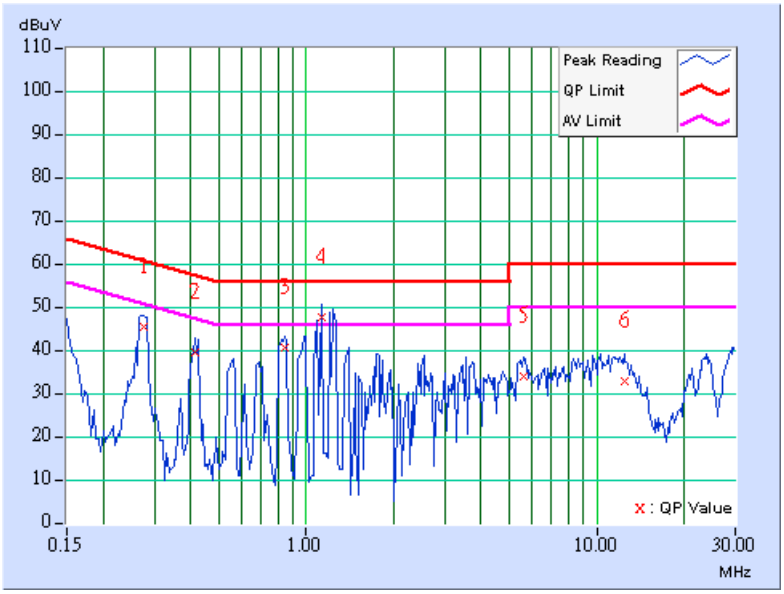
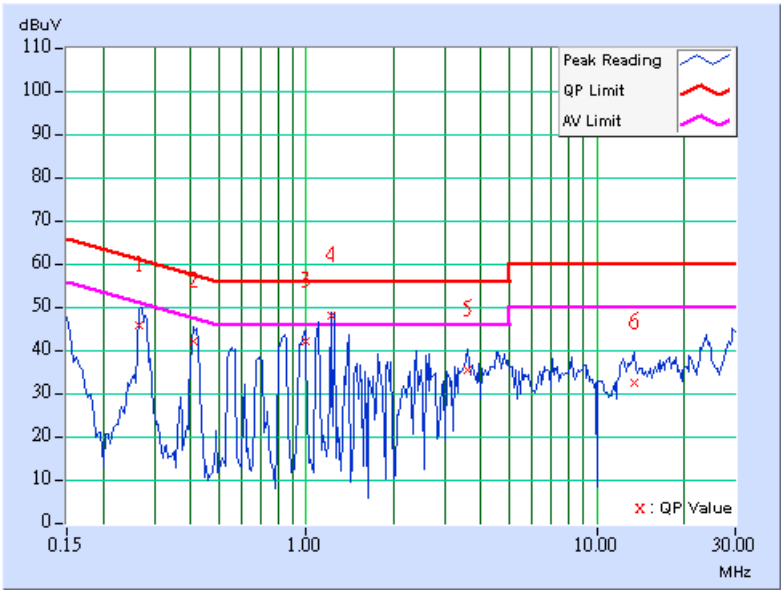
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.267	0.12	45.46	-	45.58	-	61.20	51.20	-15.62	-
2	0.408	0.13	41.72	-	41.85	-	57.69	47.69	-15.85	-
3	0.990	0.15	41.71	-	41.86	-	56.00	46.00	-14.14	-
4	1.215	0.15	47.33	33.55	47.48	33.70	56.00	46.00	-8.52	-12.30
5	3.582	0.20	35.03	-	35.23	-	56.00	46.00	-20.77	-
6	13.480	0.63	31.78	-	32.41	-	60.00	50.00	-27.59	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.267	0.11	44.24	-	44.35	-	61.20	51.20	-16.85	-
2	1.094	0.15	46.33	33.35	46.48	33.50	56.00	46.00	-9.52	-12.50
3	1.254	0.15	45.96	31.61	46.11	31.76	56.00	46.00	-9.89	-14.24
4	3.582	0.19	35.40	-	35.59	-	56.00	46.00	-20.41	-
5	11.016	0.35	33.48	-	33.83	-	60.00	50.00	-26.17	-
6	23.535	0.68	33.43	-	34.11	-	60.00	50.00	-25.89	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
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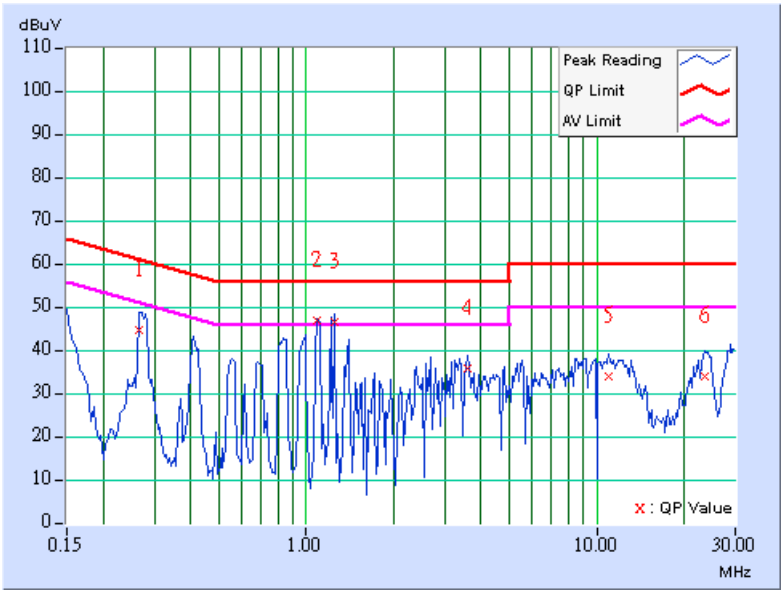
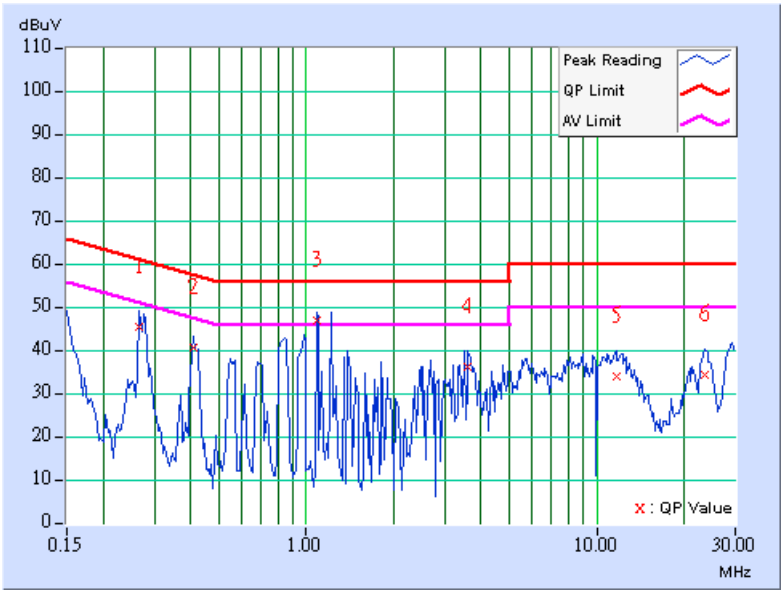


EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.267	0.12	44.28	-	44.40	-	61.20	51.20	-16.80	-
2	0.408	0.13	39.62	-	39.75	-	57.69	47.69	-17.95	-
3	1.086	0.15	46.01	32.80	46.16	32.95	56.00	46.00	-9.84	-13.05
4	3.613	0.20	35.27	-	35.47	-	56.00	46.00	-20.53	-
5	11.691	0.46	33.07	-	33.53	-	60.00	50.00	-26.47	-
6	23.418	1.12	33.16	-	34.28	-	60.00	50.00	-25.72	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.275	0.11	46.50	-	46.61	-	60.97	50.97	-14.35	-
2	0.420	0.12	41.45	-	41.57	-	57.46	47.46	-15.89	-
3	0.990	0.15	41.66	-	41.81	-	56.00	46.00	-14.19	-
4	1.090	0.15	45.02	-	45.17	-	56.00	46.00	-10.83	-
5	4.465	0.21	34.69	-	34.90	-	56.00	46.00	-21.10	-
6	12.766	0.48	32.58	-	33.06	-	60.00	50.00	-26.94	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
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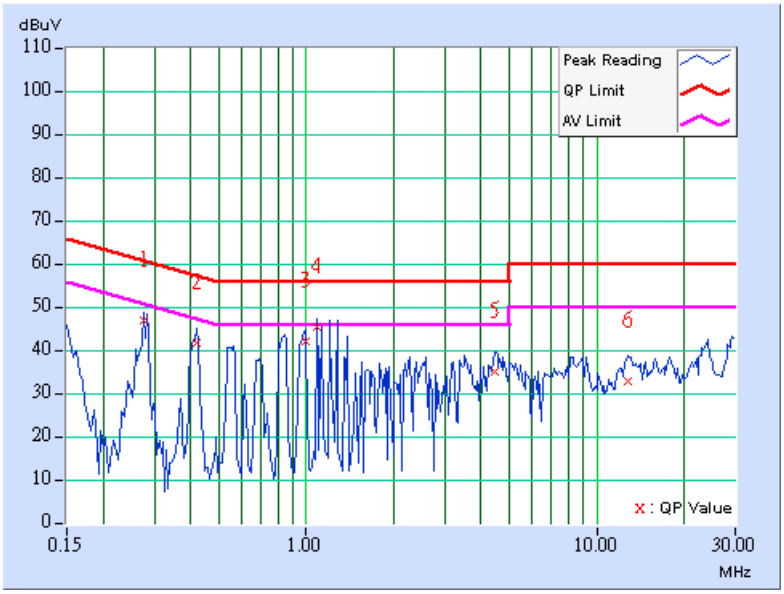
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	0.11	38.08	-	38.19	-	65.79	55.79	-27.60	-
2	0.275	0.12	50.28	-	50.40	-	60.98	50.98	-10.57	-
3	0.409	0.13	43.01	-	43.14	-	57.67	47.67	-14.53	-
4	1.097	0.15	39.85	-	40.00	-	56.00	46.00	-16.00	-
5	1.218	0.15	46.33	34.59	46.48	34.74	56.00	46.00	-9.52	-11.26
6	2.250	0.17	35.58	-	35.75	-	56.00	46.00	-20.25	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
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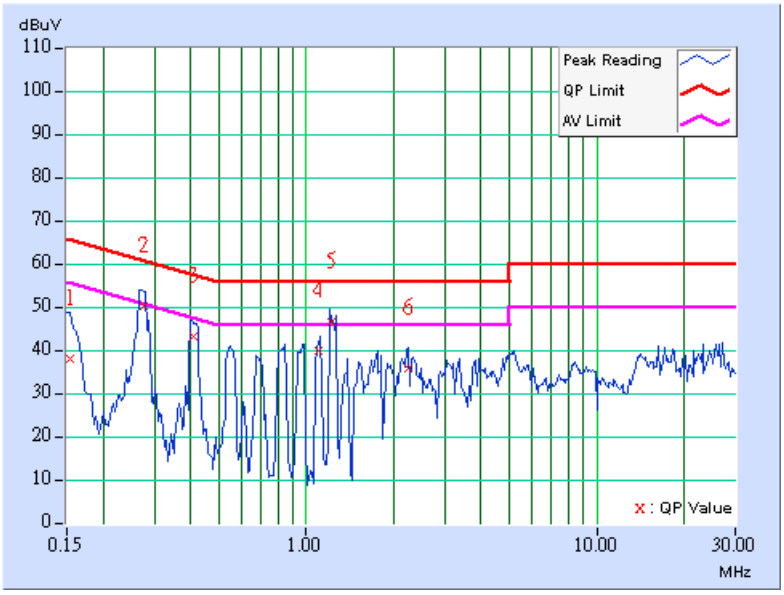
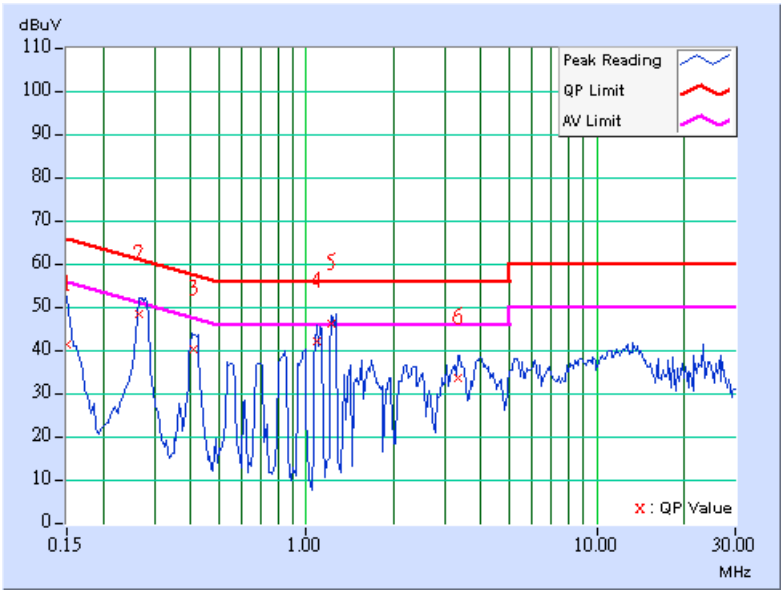
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	41.39	-	41.49	-	66.00	56.00	-24.51	-
2	0.267	0.11	48.20	-	48.31	-	61.20	51.20	-12.89	-
3	0.410	0.12	40.05	-	40.17	-	57.64	47.64	-17.47	-
4	1.094	0.15	41.89	-	42.04	-	56.00	46.00	-13.96	-
5	1.219	0.15	46.25	34.50	46.40	34.65	56.00	46.00	-9.60	-11.35
6	3.332	0.19	33.61	-	33.80	-	56.00	46.00	-22.20	-

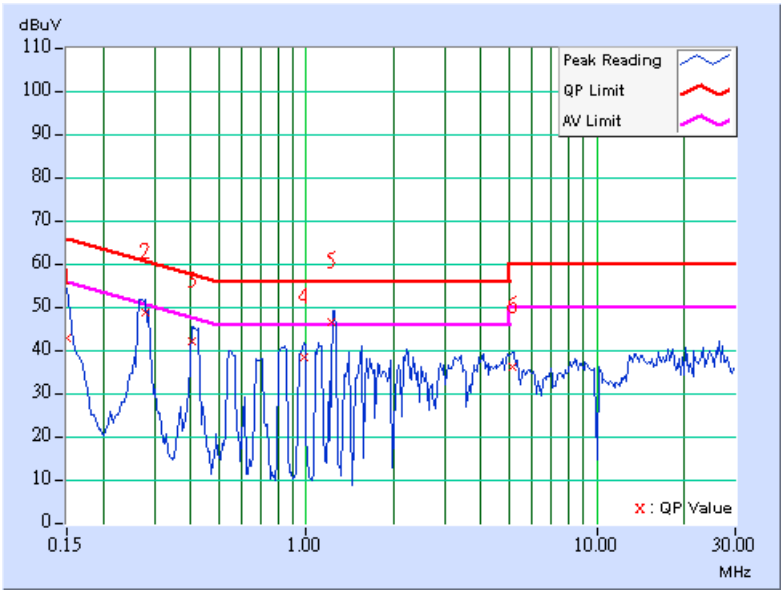
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.11	42.84	-	42.95	-	66.00	56.00	-23.05	-
2	0.279	0.12	48.83	-	48.95	-	60.85	50.85	-11.90	-
3	0.404	0.13	42.01	-	42.14	-	57.77	47.77	-15.64	-
4	0.978	0.15	38.23	-	38.38	-	56.00	46.00	-17.62	-
5	1.225	0.15	46.37	34.84	46.52	34.99	56.00	46.00	-9.48	-11.01
6	5.098	0.23	35.93	-	36.16	-	60.00	50.00	-23.84	-

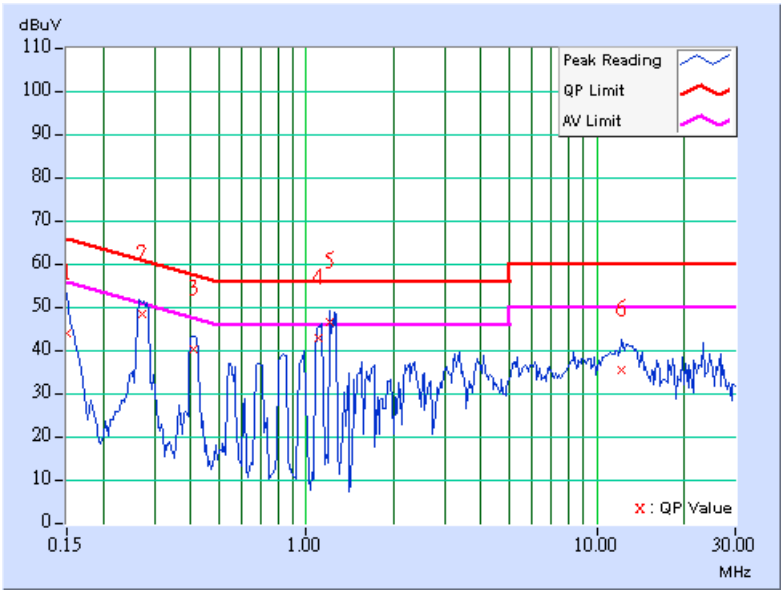
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	43.65	-	43.75	-	66.00	56.00	-22.25	-
2	0.273	0.11	48.26	-	48.37	-	61.03	51.03	-12.66	-
3	0.408	0.12	39.99	-	40.11	-	57.69	47.69	-17.59	-
4	1.099	0.15	42.49	-	42.64	-	56.00	46.00	-13.36	-
5	1.207	0.15	46.11	28.80	46.26	28.95	56.00	46.00	-9.74	-17.05
6	12.145	0.43	35.01	-	35.44	-	60.00	50.00	-24.56	-

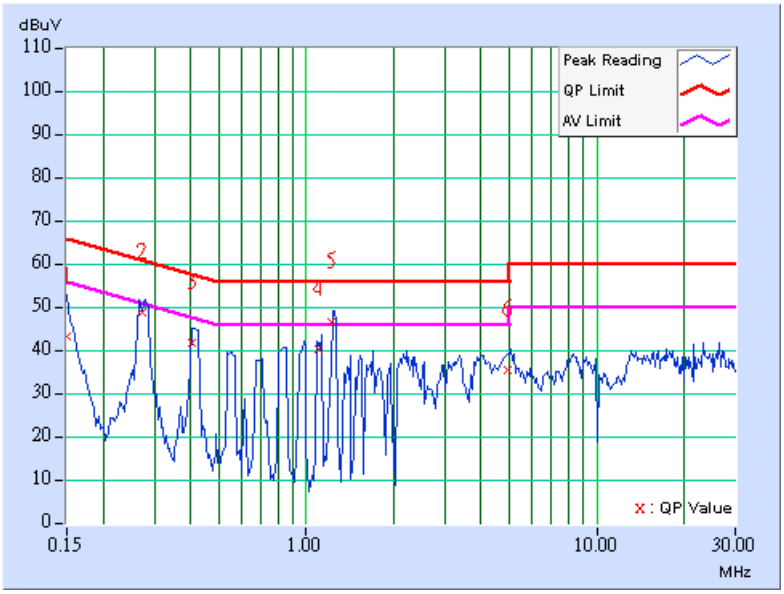
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.11	43.06	-	43.17	-	66.00	56.00	-22.83	-
2	0.274	0.12	48.58	-	48.70	-	60.99	50.99	-12.29	-
3	0.404	0.13	41.70	-	41.83	-	57.77	47.77	-15.95	-
4	1.098	0.15	40.01	-	40.16	-	56.00	46.00	-15.84	-
5	1.227	0.15	46.35	34.92	46.50	35.07	56.00	46.00	-9.50	-10.93
6	4.941	0.23	35.39	-	35.62	-	56.00	46.00	-20.38	-

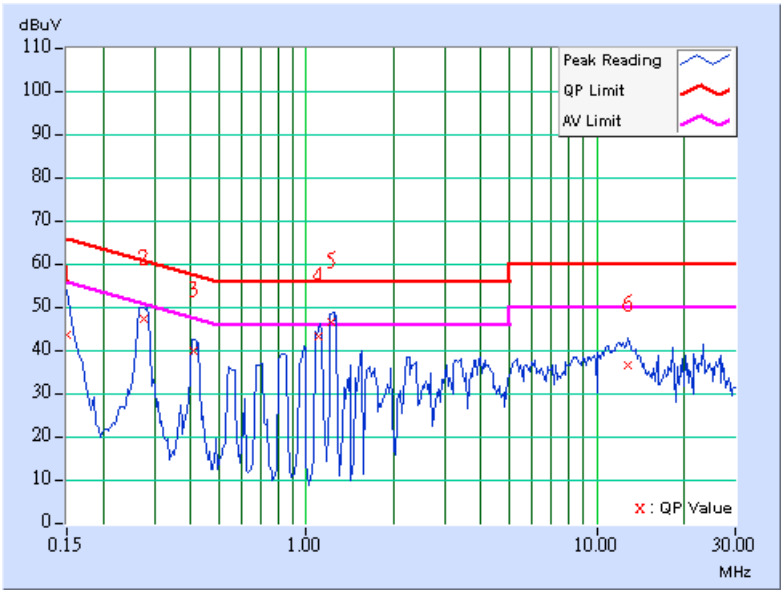
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 65% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	43.31	-	43.41	-	66.00	56.00	-22.59	-
2	0.275	0.11	47.06	-	47.17	-	60.97	50.97	-13.79	-
3	0.409	0.12	39.43	-	39.55	-	57.67	47.67	-18.12	-
4	1.100	0.15	42.83	-	42.98	-	56.00	46.00	-13.02	-
5	1.226	0.15	46.21	35.00	46.36	35.15	56.00	46.00	-9.64	-10.85
6	12.867	0.49	36.09	-	36.58	-	60.00	50.00	-23.42	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Feb. 09, 2005
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Dec. 15, 2004
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-404	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170242	Feb. 23, 2005
Preamplifier Agilent	8447D	2944A10631	Jan. 15, 2005
Preamplifier Agilent	8449B	3008A01960	Jan. 22, 2005
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	219272/4	Mar. 04, 2005
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	219275/4	Mar. 04, 2005
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA
Turn Table ADT.	TT100.	TT93021704	NA
Turn Table Controller ADT.	SC100.	SC93021704	NA

NOTE:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 3.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The IC Site Registration No. is IC4924-4.

4.2.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

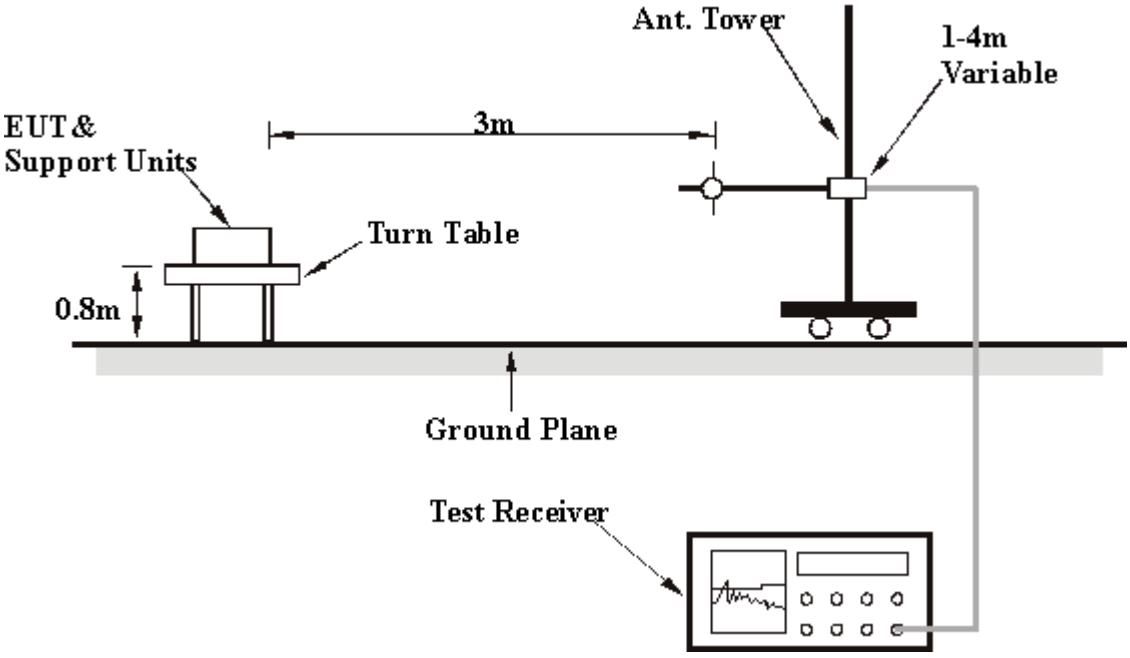
NOTE:

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 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6

4.2.7 TEST RESULTS

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25 deg. C, 70% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	57.77	36.27	40.00 QP	-3.73	1.20 H	305	29.09	7.18
2	124.81	31.15	43.50 QP	-12.35	1.48 H	102	18.98	12.17
3	249.60	27.16	46.00 QP	-18.84	1.42 H	227	13.99	13.17
4	374.32	44.32	46.00 QP	-1.68	1.35 H	55	27.29	17.03
5	398.34	28.64	46.00 QP	-17.36	1.12 H	40	10.65	17.99
6	499.21	39.35	46.00 QP	-6.65	1.00 H	192	19.56	19.79
7	528.00	38.27	46.00 QP	-7.73	2.01 H	72	17.95	20.32
8	624.00	43.81	46.00 QP	-2.19	1.33 H	71	21.70	22.11
9	748.82	44.68	46.00 QP	-1.32	1.20 H	254	19.65	25.03
10	768.00	44.35	46.00 QP	-1.65	1.43 H	40	19.26	25.09
11	811.21	44.63	46.00 QP	-1.37	1.32 H	36	19.67	24.96
12	864.01	44.74	46.00 QP	-1.26	1.19 H	57	20.41	24.33
13	873.63	42.59	46.00 QP	-3.41	1.31 H	49	18.27	24.32

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25 deg. C, 70% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	57.75	34.25	40.00 QP	-5.75	1.01 V	116	27.07	7.18
2	124.78	35.91	43.50 QP	-7.59	1.04 V	357	23.74	12.17
3	249.60	35.33	46.00 QP	-10.67	1.00 V	50	22.16	13.17
4	374.40	41.79	46.00 QP	-4.21	1.60 V	0	24.76	17.03
5	400.05	27.06	46.00 QP	-18.94	1.04 V	90	9.00	18.06
6	528.02	30.76	46.00 QP	-15.24	1.60 V	120	10.44	20.32
7	624.00	41.73	46.00 QP	-4.27	1.10 V	6	19.62	22.11
8	748.82	44.29	46.00 QP	-1.71	1.00 V	65	19.26	25.03
9	768.00	39.64	46.00 QP	-6.36	1.48 V	329	14.55	25.09
10	811.21	38.96	46.00 QP	-7.04	1.39 V	318	14.00	24.96
11	864.00	34.36	46.00 QP	-11.64	1.00 V	47	10.03	24.33
12	873.61	43.53	46.00 QP	-2.47	1.68 V	4	19.21	24.32

REMARKS
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 55% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Vincent Yang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	41.05	33.79	40.00 QP	-6.21	1.00 H	220	21.59	12.20
2	124.81	33.05	43.50 QP	-10.45	2.42 H	71	20.49	12.56
3	215.85	34.56	43.50 QP	-8.94	1.00 H	357	23.28	11.28
4	249.60	38.85	46.00 QP	-7.15	1.00 H	1	25.50	13.35
5	374.42	44.33	46.00 QP	-1.67	1.10 H	359	27.20	17.13
6	499.20	43.90	46.00 QP	-2.10	1.27 H	1	24.00	19.90
7	528.00	44.27	46.00 QP	-1.73	1.27 H	1	24.00	20.27
8	624.00	43.88	46.00 QP	-2.12	1.12 H	0	22.00	21.88
9	718.26	37.41	46.00 QP	-8.59	1.15 H	305	14.74	22.67
10	720.01	41.11	46.00 QP	-4.89	1.15 H	19	18.41	22.70
11	748.81	44.47	46.00 QP	-1.53	1.13 H	176	21.17	23.30
12	816.02	42.98	46.00 QP	-3.02	1.10 H	305	19.42	23.56
13	873.62	44.88	46.00 QP	-1.12	1.13 H	57	20.77	24.11
14	912.02	42.50	46.00 QP	-3.50	1.08 H	163	18.14	24.36

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 55% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Vincent Yang		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	46.15	35.51	40.00 QP	-4.49	1.00 V	61	24.68	10.83
2	68.45	29.19	40.00 QP	-10.81	1.00 V	43	22.57	6.62
3	125.11	40.63	43.50 QP	-2.87	1.00 V	139	28.08	12.55
4	213.00	33.19	43.50 QP	-10.31	1.00 V	60	22.08	11.11
5	240.50	30.33	46.00 QP	-15.67	1.26 V	270	17.54	12.79
6	250.50	31.38	46.00 QP	-14.62	1.26 V	328	17.94	13.44
7	374.41	37.62	46.00 QP	-8.38	1.24 V	318	20.49	17.13
8	499.22	41.84	46.00 QP	-4.16	1.28 V	353	21.94	19.90
9	624.02	44.69	46.00 QP	-1.31	1.14 V	218	22.81	21.88
10	718.28	37.36	46.00 QP	-8.64	1.00 V	244	14.69	22.67
11	720.01	38.48	46.00 QP	-7.52	1.00 V	162	15.78	22.70
12	748.82	41.11	46.00 QP	-4.89	1.10 V	147	17.81	23.30
13	816.02	43.22	46.00 QP	-2.78	1.00 V	208	19.66	23.56
14	873.62	40.30	46.00 QP	-5.70	1.00 V	201	16.19	24.11
15	912.02	40.50	46.00 QP	-5.50	1.41 V	211	16.14	24.36

REMARKS
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2.8 TEST RESULTS (A)

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
CHANNEL	1	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	49.45 PK	74.00	-24.55	1.10 H	247	19.01	30.44
1	1497.00	47.97 AV	54.00	-6.03	1.10 H	247	17.53	30.44
2	1608.00	41.60 PK	74.00	-32.40	1.41 H	27	11.47	30.13
2	1608.00	30.11 AV	54.00	-23.89	1.41 H	27	-0.02	30.13
3	2202.00	42.81 PK	74.00	-31.19	1.27 H	124	9.94	32.87
3	2202.00	34.58 AV	54.00	-19.42	1.27 H	124	1.71	32.87
4	2390.00	49.09 PK	74.00	-24.91	1.00 H	76	15.26	33.83
4	2390.00	37.79 AV	54.00	-16.21	1.00 H	76	3.96	33.83
5	*2412.00	102.75 PK			1.00 H	76	68.82	33.93
5	*2412.00	91.45 AV			1.00 H	76	57.52	33.93
6	3216.00	46.93 PK	74.00	-27.07	1.32 H	244	10.59	36.33
6	3216.00	34.13 AV	54.00	-19.87	1.32 H	244	-2.20	36.33
7	4824.00	51.53 PK	74.00	-22.47	1.00 H	300	10.87	40.66
7	4824.00	42.15 AV	54.00	-11.85	1.00 H	300	1.49	40.66

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
CHANNEL	1	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	47.10 PK	74.00	-26.90	1.11 V	147	16.66	30.44
1	1497.00	44.21 AV	54.00	-9.79	1.11 V	147	13.77	30.44
2	1608.00	44.97 PK	74.00	-29.03	1.29 V	23	14.84	30.13
2	1608.00	37.20 AV	54.00	-16.80	1.29 V	23	7.07	30.13
3	2202.00	46.50 PK	74.00	-27.50	1.00 V	318	13.63	32.87
3	2202.00	39.16 AV	54.00	-14.84	1.00 V	318	6.29	32.87
4	2390.00	60.29 PK	74.00	-13.71	1.09 V	257	26.46	33.83
4	2390.00	52.86 AV	54.00	-1.14	1.09 V	257	19.03	33.83
5	*2412.00	113.95 PK			1.09 V	257	80.02	33.93
5	*2412.00	106.52 AV			1.09 V	257	72.59	33.93
6	3216.00	47.49 PK	74.00	-26.51	1.17 V	265	11.15	36.33
6	3216.00	36.91 AV	54.00	-17.09	1.17 V	265	0.57	36.33
7	4832.00	53.74 PK	74.00	-20.26	1.32 V	214	13.07	40.66
7	4832.00	45.54 AV	54.00	-8.46	1.32 V	214	4.87	40.66

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	49.91 PK	74.00	-24.09	1.12 H	94	19.47	30.44
1	1497.00	47.42 AV	54.00	-6.58	1.12 H	94	16.98	30.44
2	1622.00	42.53 PK	74.00	-31.47	1.10 H	65	12.38	30.15
2	1622.00	34.75 AV	54.00	-19.25	1.10 H	65	4.60	30.15
3	2202.00	43.87 PK	74.00	-30.13	1.06 H	312	11.00	32.87
3	2202.00	33.17 AV	54.00	-20.83	1.06 H	312	0.30	32.87
4	*2437.00	101.14 PK			1.00 H	118	67.09	34.05
4	*2437.00	93.31 AV			1.00 H	118	59.26	34.05
5	3249.00	47.14 PK	74.00	-26.86	1.00 H	242	10.78	36.36
5	3249.00	34.86 AV	54.00	-19.14	1.00 H	242	-1.50	36.36
6	4874.00	49.89 PK	74.00	-24.11	1.21 H	168	9.20	40.69
6	4874.00	39.20 AV	54.00	-1.49	1.21 H	168	-1.49	40.69

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	49.11 PK	74.00	-24.89	1.14 V	336	18.67	30.44
1	1497.00	45.14 AV	54.00	-8.86	1.14 V	336	14.70	30.44
2	1621.00	42.60 PK	74.00	-31.40	1.07 V	135	12.45	30.15
2	1621.00	35.69 AV	54.00	-18.31	1.07 V	135	5.54	30.15
3	2202.00	45.78 PK	74.00	-28.22	1.05 V	326	12.91	32.87
3	2202.00	38.63 AV	54.00	-15.37	1.05 V	326	5.76	32.87
4	*2437.00	115.23 PK			1.20 V	312	81.18	34.05
4	*2437.00	108.46 AV			1.20 V	312	74.41	34.05
5	3249.00	47.63 PK	74.00	-26.37	1.02 V	124	11.27	36.36
5	3249.00	36.17 AV	54.00	-17.83	1.02 V	124	-0.19	36.36
6	4874.00	51.92 PK	74.00	-22.08	1.31 V	255	11.23	40.69
6	4874.00	44.31 AV	54.00	-9.69	1.31 V	255	3.62	40.69

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	46.36 PK	74.00	-27.64	1.18 H	263	15.92	30.44
1	1497.00	42.85 AV	54.00	-11.15	1.18 H	263	12.41	30.44
2	1608.00	40.82 PK	74.00	-33.18	1.24 H	357	10.69	30.13
2	1608.00	28.16 AV	54.00	-25.84	1.24 H	357	-1.97	30.13
3	2202.00	41.94 PK	74.00	-32.06	1.18 H	141	9.07	32.87
3	2202.00	31.64 AV	54.00	-22.36	1.18 H	141	-1.23	32.87
4	*2462.00	102.24 PK			1.00 H	339	68.08	34.16
4	*2462.00	95.35 AV			1.00 H	339	61.19	34.16
5	2483.50	47.42 PK	74.00	-26.58	1.00 H	339	13.16	34.26
5	2483.50	40.53 AV	54.00	-13.47	1.00 H	339	6.27	34.26
6	3284.00	44.90 PK	74.00	-29.10	1.00 H	125	8.50	36.40
6	3284.00	34.54 AV	54.00	-19.46	1.00 H	125	-1.86	36.40
7	4924.00	49.71 PK	74.00	-24.29	1.00 H	82	8.85	40.86
7	4924.00	39.40 AV	54.00	-14.60	1.00 H	82	-1.46	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	46.16 PK	74.00	-27.84	1.01 V	263	15.72	30.44
1	1497.00	42.26 AV	54.00	-11.74	1.01 V	263	11.82	30.44
2	1642.00	40.12 PK	74.00	-33.88	1.00 V	144	9.93	30.18
2	1642.00	28.74 AV	54.00	-25.26	1.00 V	144	-1.45	30.18
3	2202.00	41.61 PK	74.00	-32.39	1.07 V	245	8.74	32.87
3	2202.00	30.65 AV	54.00	-23.35	1.07 V	245	-2.22	32.87
4	*2462.00	113.39 PK			1.22 V	96	79.23	34.16
4	*2462.00	106.84 AV			1.22 V	96	72.68	34.16
5	2483.50	58.57 PK	74.00	-15.43	1.22 V	96	24.31	34.26
5	2483.50	52.02 AV	54.00	-1.98	1.22 V	96	17.76	34.26
6	3284.00	46.88 PK	74.00	-27.12	1.15 V	215	10.48	36.40
6	3284.00	35.21 AV	54.00	-18.76	1.15 V	215	-1.19	36.40
7	4924.00	51.57 PK	74.00	-22.43	1.21 V	288	10.71	40.86
7	4924.00	40.66 AV	54.00	-13.34	1.21 V	288	-0.20	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.20	49.92 PK	74.00	-24.08	1.16 H	337	20.87	29.05
1	1123.20	46.92 AV	54.00	-7.08	1.16 H	337	17.87	29.05
2	1497.69	54.46 PK	74.00	-19.54	1.00 H	50	24.03	30.44
2	1497.69	52.80 AV	54.00	-1.20	1.00 H	50	22.37	30.44
3	1608.00	46.69 PK	74.00	-27.31	1.00 H	283	16.56	30.13
3	1608.00	39.49 AV	54.00	-14.51	1.00 H	283	9.36	30.13
4	1747.24	51.31 PK	74.00	-22.69	1.00 H	20	20.96	30.35
4	1747.24	49.29 AV	54.00	-4.71	1.00 H	20	18.94	30.35
5	2202.63	47.20 PK	74.00	-26.80	1.07 H	335	14.32	32.88
5	2202.63	40.56 AV	54.00	-13.44	1.07 H	335	7.68	32.88
6	2320.00	53.32 PK	74.00	-20.68	1.14 H	337	19.84	33.48
6	2320.00	47.55 AV	54.00	-6.45	1.14 H	337	14.07	33.48
7	2390.00	45.95 PK	74.00	-28.05	1.16 H	342	12.12	33.83
7	2390.00	36.42 AV	54.00	-17.58	1.16 H	342	2.59	33.83
8	*2412.00	104.82 PK			1.16 H	342	70.89	33.93
8	*2412.00	95.29 AV			1.16 H	342	61.36	33.93
9	3216.00	48.43 PK	74.00	-25.57	1.02 H	284	12.09	36.33
9	3216.00	38.21 AV	54.00	-15.79	1.02 H	284	1.87	36.33
10	4824.00	52.53 PK	74.00	-21.47	1.52 H	32	11.87	40.66
10	4824.00	40.65 AV	54.00	-13.35	1.52 H	32	-0.01	40.66

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.18	55.30 PK	74.00	-18.70	1.00 V	0	26.25	29.05
1	1123.18	52.78 AV	54.00	-1.22	1.00 V	0	23.73	29.05
2	1497.66	54.18 PK	74.00	-19.82	1.42 V	7	23.75	30.44
2	1497.66	52.50 AV	54.00	-1.50	1.42 V	7	22.07	30.44
3	1608.00	51.34 PK	74.00	-22.66	1.62 V	343	21.21	30.13
3	1608.00	47.21 AV	54.00	-6.79	1.62 V	343	17.08	30.13
4	1747.22	51.68 PK	74.00	-22.32	1.13 V	345	21.33	30.35
4	1747.22	50.08 AV	54.00	-3.92	1.13 V	345	19.73	30.35
5	2202.00	44.61 PK	74.00	-29.39	1.26 V	4	11.74	32.87
5	2202.00	35.11 AV	54.00	-18.89	1.26 V	4	2.24	32.87
6	2320.00	49.80 PK	74.00	-24.20	1.13 V	0	16.32	33.48
6	2320.00	39.64 AV	54.00	-14.36	1.13 V	0	6.16	33.48
7	2390.00	55.28 PK	74.00	-18.72	1.09 V	0	21.45	33.83
7	2390.00	48.01 AV	54.00	-5.99	1.09 V	0	14.18	33.83
8	*2412.00	114.15 PK			1.09 V	0	80.22	33.93
8	*2412.00	106.88 AV			1.09 V	0	72.95	33.93
9	3216.00	50.44 PK	74.00	-23.56	1.11 V	343	14.10	36.33
9	3216.00	43.54 AV	54.00	-10.46	1.11 V	343	7.20	36.33
10	4824.00	54.46 PK	74.00	-19.54	1.08 V	342	13.80	40.66
10	4824.00	48.77 AV	54.00	-5.23	1.08 V	342	8.11	40.66

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.19	49.76 PK	74.00	-24.24	1.03 H	20	20.71	29.05
1	1123.19	46.53 AV	54.00	-7.47	1.03 H	20	17.48	29.05
2	1497.68	52.56 PK	74.00	-21.44	1.40 H	34	22.13	30.44
2	1497.68	51.00 AV	54.00	-3.00	1.40 H	34	20.57	30.44
3	1622.44	46.71 PK	74.00	-27.29	1.82 H	3	16.56	30.15
3	1622.44	42.97 AV	54.00	-11.03	1.82 H	3	12.82	30.15
4	1747.20	52.11 PK	74.00	-21.89	1.34 H	39	21.76	30.35
4	1747.20	50.09 AV	54.00	-3.91	1.34 H	39	19.74	30.35
5	2202.66	48.04 PK	74.00	-25.96	1.35 H	314	15.16	32.88
5	2202.66	42.37 AV	54.00	-11.63	1.35 H	314	9.49	32.88
6	2246.24	45.88 PK	74.00	-28.12	1.22 H	344	12.78	33.10
6	2246.24	34.93 AV	54.00	-19.07	1.22 H	344	1.83	33.10
7	2320.00	55.16 PK	74.00	-18.84	1.34 H	310	21.68	33.48
7	2320.00	46.87 AV	54.00	-7.13	1.34 H	310	13.39	33.48
8	*2437.00	104.73 PK			1.32 H	355	70.68	34.05
8	*2437.00	95.67 AV			1.32 H	355	61.62	34.05
9	3249.24	48.46 PK	74.00	-25.54	1.36 H	0	12.10	36.36
9	3249.24	36.24 AV	54.00	-17.76	1.36 H	0	-0.12	36.36
10	4874.00	54.32 PK	74.00	-19.68	1.12 H	20	13.63	40.69
10	4874.00	43.85 AV	54.00	-10.15	1.12 H	20	3.16	40.69

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.14	56.00 PK	74.00	-18.00	1.00 V	0	26.95	29.05
1	**1123.14**	**53.00 AV**	**54.00**	**-1.00**	**1.00 V**	**0**	**23.95**	**29.05**
2	1497.64	55.98 PK	74.00	-18.02	1.36 V	360	25.54	30.44
2	1497.64	52.96 AV	54.00	-1.04	1.36 V	360	22.52	30.44
3	1622.36	51.50 PK	74.00	-22.50	1.58 V	342	21.35	30.15
3	1622.36	48.69 AV	54.00	-5.31	1.58 V	342	18.54	30.15
4	1747.20	51.31 PK	74.00	-22.69	1.12 V	0	20.96	30.35
4	1747.20	49.49 AV	54.00	-4.51	1.12 V	0	19.14	30.35
5	2202.64	44.94 PK	74.00	-29.06	1.01 V	0	12.06	32.88
5	2202.64	35.59 AV	54.00	-18.41	1.01 V	0	2.71	32.88
6	2246.54	45.83 PK	74.00	-28.17	1.32 V	13	12.73	33.10
6	2246.54	37.19 AV	54.00	-16.81	1.32 V	13	12.73	33.10
7	2320.00	48.64 PK	74.00	-25.36	1.17 V	0	15.16	33.48
7	2320.00	41.00 AV	74.00	-13.00	1.17 V	0	15.16	33.48
8	*2437.00	115.47 PK			1.10 V	0	81.42	34.05
8	*2437.00	108.29 AV			1.10 V	0	74.24	34.05
9	3249.20	48.68 PK	74.00	-25.32	1.47 V	0	12.32	36.36
9	3249.20	39.59 AV	54.00	-14.41	1.47 V	0	12.32	36.36
10	4874.00	56.89 PK	74.00	-17.11	1.08 V	347	16.20	40.69
10	4874.00	50.21 AV	54.00	-3.79	1.08 V	347	9.52	40.69

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.22	49.86 PK	74.00	-24.14	1.15 H	8	20.81	29.05
1	1123.22	46.74 AV	54.00	-7.26	1.15 H	8	17.69	29.05
2	1497.56	51.86 PK	74.00	-22.14	1.00 H	20	21.43	30.44
2	1497.56	49.46 AV	54.00	-4.54	1.00 H	20	19.03	30.44
3	1622.40	47.37 PK	74.00	-26.63	1.00 H	20	17.22	30.15
3	1622.40	42.57 AV	54.00	-11.43	1.00 H	20	12.42	30.15
4	1641.32	47.33 PK	74.00	-26.67	1.20 H	6	17.15	30.18
4	1641.32	41.41 AV	54.00	-12.59	1.20 H	6	11.23	30.18
5	1747.20	51.20 PK	74.00	-22.80	1.42 H	36	20.85	30.35
5	1747.20	49.22 AV	54.00	-4.78	1.42 H	36	18.87	30.35
6	2202.66	46.71 PK	74.00	-27.29	1.24 H	317	13.83	32.88
6	2202.66	40.05 AV	54.00	-13.95	1.24 H	317	7.17	32.88
7	2247.00	46.66 PK	74.00	-27.34	1.15 H	24	13.55	33.11
7	2247.00	34.94 AV	54.00	-19.06	1.15 H	24	1.83	33.11
8	2320.00	55.67 PK	74.00	-18.33	1.06 H	285	22.19	33.48
8	2320.00	48.71 AV	54.00	-5.29	1.06 H	285	15.23	33.48
9	*2462.00	104.14 PK			1.13 H	333	69.98	34.16
9	*2462.00	94.48 AV			1.13 H	333	60.32	34.16
10	2483.50	49.67 PK	74.00	-24.33	1.13 H	333	15.41	34.26
10	2483.50	40.01 AV	54.00	-13.99	1.13 H	333	5.75	34.26
11	3282.67	50.19 PK	74.00	-23.81	1.00 H	314	13.80	36.40
11	3282.67	38.27 AV	54.00	-15.73	1.00 H	314	1.88	36.40
12	4924.00	55.08 PK	74.00	-18.92	1.20 H	52	14.22	40.86
12	4924.00	42.85 AV	54.00	-11.15	1.20 H	52	1.99	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.25	56.32 PK	74.00	-17.68	1.00 V	0	27.27	29.05
1	**1123.25**	**53.00 AV**	**54.00**	**-1.00**	**1.00 V**	**0**	**23.95**	**29.05**
2	1497.60	53.20 PK	74.00	-20.80	1.00 V	20	22.77	30.44
2	1497.60	51.25 AV	54.00	-2.75	1.00 V	20	20.82	30.44
3	1622.50	50.78 PK	74.00	-23.22	1.17 V	346	20.63	30.15
3	1622.50	47.80 AV	54.00	-6.20	1.17 V	346	17.65	30.15
4	1641.32	49.14 PK	74.00	-24.86	1.19 V	346	18.96	30.18
4	1641.32	46.36 AV	54.00	-7.64	1.19 V	346	16.18	30.18
5	1747.20	54.75 PK	74.00	-19.25	1.16 V	0	24.40	30.35
5	1747.20	49.87 AV	54.00	-4.13	1.16 V	0	19.52	30.35
6	2202.86	45.43 PK	74.00	-28.57	1.05 V	25	12.55	32.88
6	2202.86	36.71 AV	54.00	-17.29	1.05 V	25	3.89	32.88
7	2247.00	45.66 PK	74.00	-28.34	1.00 V	12	12.55	33.11
7	2247.00	37.00 AV	54.00	-17.00	1.00 V	12	3.89	33.11
8	2320.00	47.64 PK	74.00	-26.36	1.10 V	18	14.16	33.48
8	2320.00	41.15 AV	54.00	-12.85	1.10 V	18	7.67	33.48
9	*2462.00	116.46 PK			1.07 V	0	82.30	34.16
9	*2462.00	109.46 AV			1.07 V	0	75.30	34.16
10	2483.50	60.36 PK	74.00	-13.64	1.07 V	0	26.10	34.26
10	2483.50	53.63 AV	54.00	-0.37	1.07 V	0	19.37	34.26
11	3282.67	49.22 PK	74.00	-24.78	1.10 V	0	12.83	36.40
11	3282.67	37.18 AV	54.00	-16.82	1.10 V	0	0.79	36.40
12	4924.00	59.63 PK	74.00	-14.37	1.27 V	352	18.77	40.86
12	4924.00	52.32 AV	54.00	-1.68	1.27 V	352	11.46	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

4.2.9 TEST RESULTS (B)

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.00	43.08 PK	74.00	-30.92	1.25 H	172	14.04	29.05
1	1123.00	35.80 AV	54.00	-18.20	1.25 H	172	6.76	29.05
2	1497.00	48.03 PK	74.00	-25.97	1.01 H	360	17.59	30.44
2	1497.00	43.95 AV	54.00	-10.05	1.01 H	360	13.51	30.44
3	1608.00	41.25 PK	74.00	-32.75	1.21 H	19	11.12	30.13
3	1608.00	30.25 AV	54.00	-23.75	1.21 H	19	0.12	30.13
4	2202.00	44.82 PK	74.00	-29.18	1.20 H	129	11.95	32.87
4	2202.00	36.35 AV	54.00	-17.65	1.20 H	129	3.48	32.87
5	2320.00	49.80 PK	74.00	-24.20	1.00 H	37	16.32	33.48
5	2320.00	39.64 AV	54.00	-14.36	1.00 H	37	6.16	33.48
6	2390.00	45.29 PK	74.00	-28.71	1.00 H	37	11.46	33.83
6	2390.00	38.31 AV	54.00	-15.69	1.00 H	37	4.48	33.83
7	*2412.00	100.61 PK			1.00 H	37	66.68	33.93
7	*2412.00	93.63 AV			1.00 H	37	59.70	33.93
8	3216.00	46.98 PK	74.00	-27.02	1.00 H	295	10.64	36.33
8	3216.00	34.34 AV	54.00	-19.66	1.00 H	295	-2.00	36.33
9	4824.00	49.93 PK	74.00	-24.07	1.04 H	22	9.27	40.66
9	4824.00	39.16 AV	54.00	-14.84	1.04 H	22	-1.50	40.66

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	47.78 PK	74.00	-26.22	1.20 V	339	17.34	30.44
1	1497.00	43.76 AV	54.00	-10.24	1.20 V	339	13.32	30.44
2	1608.00	43.93 PK	74.00	-30.07	1.04 V	197	13.80	30.13
2	1608.00	34.69 AV	54.00	-19.31	1.04 V	197	4.56	30.13
3	2320.00	48.27 PK	74.00	-25.73	1.02 V	93	14.79	33.48
3	2320.00	36.37 AV	54.00	-17.63	1.02 V	93	2.89	33.48
4	2390.00	56.65 PK	74.00	-17.35	1.23 V	69	22.82	33.83
4	2390.00	50.61 AV	54.00	-3.39	1.23 V	69	16.78	33.83
5	*2412.00	111.97 PK			1.23 V	69	78.04	33.93
5	*2412.00	105.93 AV			1.23 V	69	72.00	33.93
6	3216.00	48.63 PK	74.00	-25.37	1.00 V	262	12.29	36.33
6	3216.00	36.82 AV	54.00	-17.18	1.00 V	262	0.48	36.33
7	4824.00	50.96 PK	74.00	-23.04	1.14 V	89	10.30	40.66
7	4824.00	41.51 AV	54.00	-12.49	1.14 V	89	0.85	40.66

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	46.82 PK	74.00	-27.18	1.20 H	175	16.38	30.44
1	1497.00	42.89 AV	54.00	-11.11	1.20 H	175	12.45	30.44
2	1622.00	41.85 PK	74.00	-32.15	1.00 H	190	11.70	30.15
2	1622.00	32.85 AV	54.00	-21.15	1.00 H	190	2.70	30.15
3	2202.00	44.01 PK	74.00	-29.99	1.00 H	137	11.14	32.87
3	2202.00	34.11 AV	54.00	-19.89	1.00 H	137	1.24	32.87
4	*2437.00	99.43 PK			1.17 H	106	65.38	34.05
4	*2437.00	92.94 AV			1.17 H	106	58.89	34.05
5	3249.00	47.59 PK	74.00	-26.41	1.18 H	30	11.23	36.36
5	3249.00	34.63 AV	54.00	-19.37	1.18 H	30	-1.73	36.36
6	4874.00	50.17 PK	74.00	-23.83	1.00 H	360	9.48	40.69
6	4874.00	37.57 AV	54.00	-16.43	1.00 H	360	-3.12	40.69

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	49.74 PK	74.00	-24.26	1.14 V	55	19.30	30.44
1	1497.00	47.12 AV	54.00	-6.88	1.14 V	55	16.68	30.44
2	1622.00	44.33 PK	74.00	-29.67	1.00 V	235	14.18	30.15
2	1622.00	37.38 AV	54.00	-16.62	1.00 V	235	7.23	30.15
3	2202.00	45.47 PK	74.00	-28.53	1.36 V	109	12.60	32.87
3	2202.00	37.01 AV	54.00	-16.99	1.36 V	109	4.14	32.87
4	*2437.00	112.97 PK			1.15 V	88	78.92	34.05
4	*2437.00	106.11 AV			1.15 V	88	72.06	34.05
5	3249.00	47.17 PK	74.00	-26.83	1.01 V	342	10.81	36.36
5	3249.00	35.02 AV	54.00	-18.98	1.01 V	342	-1.34	36.36
6	4874.00	50.57 PK	74.00	-23.43	1.12 V	311	9.88	40.69
6	4874.00	39.50 AV	54.00	-14.50	1.12 V	311	-1.19	40.69

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	44.21 PK	74.00	-29.79	1.45 H	287	13.77	30.44
1	1497.00	37.49 AV	54.00	-16.51	1.45 H	287	7.05	30.44
2	1642.00	39.51 PK	74.00	-34.49	1.17 H	243	9.32	30.18
2	1642.00	31.87 AV	54.00	-22.13	1.17 H	243	1.68	30.18
3	2202.00	44.90 PK	74.00	-29.10	1.32 H	129	12.03	32.87
3	2202.00	36.38 AV	54.00	-17.32	1.32 H	129	3.51	32.87
4	2320.00	42.70 PK	74.00	-31.30	1.08 H	52	9.22	33.48
4	2320.00	31.10 AV	54.00	-22.90	1.08 H	52	-2.38	33.48
5	2439.00	43.54 PK	74.00	-30.46	1.10 H	61	9.48	34.06
5	2439.00	38.42 AV	54.00	-15.58	1.10 H	61	4.36	34.06
6	*2462.00	92.64 PK			1.10 H	61	58.48	34.16
6	*2462.00	87.52 AV			1.10 H	61	53.36	34.16
7	3282.00	47.44 PK	74.00	-26.56	1.00 H	173	11.05	36.40
7	3282.00	34.22 AV	54.00	-19.78	1.00 H	173	-2.17	36.40
8	4924.00	51.33 PK	74.00	-22.67	1.23 H	235	10.47	40.86
8	4924.00	39.64 AV	54.00	-14.36	1.23 H	235	-1.22	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa	**TEST MODE**	Mode 1
TESTED BY	Leo Hung		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1497.00	51.67 PK	74.00	-22.33	1.00 V	260	21.23	30.44
1	1497.00	49.61 AV	54.00	-4.39	1.00 V	260	19.17	30.44
2	1622.00	43.83 PK	74.00	-30.17	1.12 V	156	13.68	30.15
2	1622.00	37.20 AV	54.00	-16.80	1.12 V	156	7.05	30.15
3	1642.00	40.72 PK	74.00	-33.28	1.16 V	88	10.53	30.18
3	1642.00	29.43 AV	54.00	-24.57	1.16 V	88	-0.76	30.18
4	2202.00	46.20 PK	74.00	-27.80	1.12 V	111	13.33	32.87
4	2202.00	38.40 AV	54.00	-15.60	1.12 V	111	5.53	32.87
5	2320.00	49.15 PK	74.00	-24.85	1.28 V	321	15.67	33.48
5	2320.00	37.46 AV	54.00	-18.22	1.28 V	321	3.98	33.48
6	*2462.00	107.92 PK			1.30 V	68	73.76	34.16
6	*2462.00	101.58 AV			1.30 V	68	67.42	34.16
7	2483.50	58.82 PK	74.00	-15.18	1.30 V	68	24.56	34.26
7	2483.50	52.48 AV	54.00	-1.52	1.30 V	68	18.22	34.26
8	3282.00	47.12 PK	74.00	-26.88	1.29 V	10	10.73	36.40
8	3282.00	34.21 AV	54.00	-19.79	1.29 V	10	-2.18	36.40
9	4924.00	50.53 PK	74.00	-23.47	1.00 V	296	9.67	40.86
9	4924.00	40.32 AV	54.00	-13.68	1.00 V	296	-0.54	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	1	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.24	50.63 PK	74.00	-23.37	1.20 H	20	21.58	29.05
1	1123.24	47.32 AV	54.00	-6.68	1.20 H	20	18.27	29.05
2	1247.98	46.35 PK	74.00	-27.65	1.32 H	48	16.58	29.77
2	1247.98	41.32 AV	54.00	-12.68	1.32 H	48	16.58	29.77
3	1497.65	51.36 PK	74.00	-22.64	1.06 H	10	20.92	30.44
3	1497.65	48.97 AV	54.00	-5.03	1.06 H	10	18.53	30.44
4	1607.98	47.63 PK	74.00	-26.37	1.20 H	10	17.50	30.13
5	1622.45	48.21 PK	74.00	-25.79	1.07 H	0	18.06	30.15
6	1747.19	52.32 PK	74.00	-21.68	1.12 H	345	21.97	30.35
6	1747.19	49.96 AV	54.00	-4.04	1.12 H	345	19.61	30.35
7	2202.67	47.35 PK	74.00	-26.65	1.00 H	296	14.47	32.88
8	2246.54	46.35 PK	74.00	-27.65	1.21 H	345	13.25	33.10
9	2390.00	41.21 PK	74.00	-32.79	1.40 H	335	7.38	33.83
10	*2412.00	97.96 PK			1.40 H	335	64.03	33.93
10	*2412.00	90.75 AV			1.40 H	335	56.82	33.93
11	3216.08	50.00 PK	74.00	-24.00	1.12 H	20	13.67	36.33
12	4824.00	54.15 PK	74.00	-19.85	1.12 H	20	13.49	40.66
12	4824.00	41.64 AV	54.00	-12.36	1.12 H	20	0.98	40.66

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	MODEL	P600A
CHANNEL	1	FREQUENCY RANGE	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	TEST MODE	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.20	56.32 PK	74.00	-17.68	1.32 V	0	27.27	29.05
1	**1123.20**	**53.00 AV**	**54.00**	**-1.00**	**1.32 V**	**0**	**23.95**	**29.05**
2	1247.92	52.00 PK	74.00	-22.00	1.28 V	10	22.23	29.77
2	1247.92	47.92 AV	54.00	-6.08	1.28 V	10	18.15	29.77
3	1497.64	55.86 PK	74.00	-18.14	1.32 V	0	25.42	30.44
3	1497.64	52.96 AV	54.00	-1.04	1.32 V	0	22.52	30.44
4	1608.00	48.25 PK	74.00	-25.75	1.20 V	322	18.12	30.13
4	1608.00	44.65 AV	54.00	-9.35	1.20 V	322	14.52	30.13
5	1622.38	50.05 PK	74.00	-23.95	1.15 V	322	19.90	30.15
5	1622.38	47.37 AV	54.00	-6.63	1.15 V	322	17.22	30.15
6	1747.18	53.59 PK	74.00	-20.41	1.20 V	360	23.24	30.35
6	1747.18	50.67 AV	54.00	-3.33	1.20 V	360	20.32	30.35
7	2202.66	46.43 PK	74.00	-27.57	1.10 V	20	13.55	32.88
7	2202.66	37.71 AV	54.00	-16.29	1.10 V	20	4.83	32.88
8	2246.20	46.98 PK	74.00	-27.02	1.30 V	0	13.88	33.10
8	2246.20	37.71 AV	54.00	-15.07	1.30 V	0	5.83	33.10
9	2390.00	56.85 PK	74.00	-17.15	1.07 V	0	23.02	33.83
9	2390.00	50.74 AV	54.00	-3.26	1.07 V	0	16.91	33.83
10	*2412.00	113.60 PK			1.07 V	0	79.67	33.93
10	*2412.00	107.49 AV			1.07 V	0	73.56	33.93
11	3216.00	50.21 PK	74.00	-23.79	1.30 V	20	13.87	36.33
11	3216.00	42.94 AV	54.00	-11.06	1.30 V	20	6.60	36.33
12	4824.00	56.25 PK	74.00	-17.75	1.20 V	0	15.59	40.66
12	4824.00	44.92 AV	54.00	-9.08	1.20 V	0	4.26	40.66

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.24	50.00 PK	74.00	-24.00	1.20 H	20	20.95	29.05
1	1123.24	47.14 AV	54.00	-6.86	1.20 H	20	18.09	29.05
2	1247.98	46.35 PK	74.00	-27.65	1.32 H	48	16.58	29.77
2	1247.98	41.32 AV	54.00	-12.68	1.32 H	48	11.55	29.77
3	1497.65	51.36 PK	74.00	-22.64	1.03 H	20	20.92	30.44
3	1497.65	48.98 AV	54.00	-5.02	1.03 H	20	18.54	30.44
4	1622.52	48.96 PK	74.00	-25.04	1.02 H	20	18.81	30.15
4	1622.52	43.02 AV	54.00	-10.98	1.02 H	20	12.87	30.15
5	1624.64	48.63 PK	74.00	-25.37	1.00 H	48	18.47	30.16
5	1624.64	43.05 AV	54.00	-10.95	1.00 H	48	12.89	30.16
6	1747.19	48.86 PK	74.00	-25.14	1.12 H	20	18.51	30.35
6	1747.19	43.68 AV	54.00	-10.32	1.12 H	20	13.33	30.35
7	2202.67	48.35 PK	74.00	-25.65	1.00 H	296	15.47	32.88
7	2202.67	40.37 AV	54.00	-27.65	1.00 H	296	7.49	32.88
8	2246.54	46.35 PK	74.00	-27.65	1.21 H	345	13.25	33.10
8	2246.54	37.21 AV	54.00	-16.79	1.21 H	345	4.11	33.10
9	*2437.00	97.68 PK			1.40 H	334	63.63	34.05
9	*2437.00	90.35 AV			1.40 H	334	56.30	34.05
10	3247.98	50.02 PK	74.00	-23.98	1.20 H	0	13.66	36.36
10	3247.98	39.99 AV	54.00	-14.01	1.20 H	0	3.63	36.36
11	4874.00	54.00 PK	74.00	-20.00	1.00 H	48	13.31	40.69
11	4874.00	41.32 AV	54.00	-12.68	1.00 H	48	0.63	40.69

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	6	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.20	55.89 PK	74.00	-18.11	1.32 V	0	26.84	29.05
1	1123.20	52.98 AV	54.00	-1.02	1.32 V	0	23.93	29.05
2	1247.92	52.12 PK	74.00	-21.88	1.28 V	10	22.35	29.77
2	1247.92	48.00 AV	54.00	-6.00	1.28 V	10	18.23	29.77
3	1497.64	55.36 PK	74.00	-18.64	1.32 V	20	24.92	30.44
3	1497.64	52.47 AV	54.00	-1.53	1.32 V	20	22.03	30.44
4	1622.40	51.91 PK	74.00	-22.09	1.58 V	0	21.76	30.15
4	1622.40	49.51 AV	54.00	-4.49	1.58 V	0	19.36	30.15
5	1624.68	48.32 PK	74.00	-25.68	1.20 V	332	18.16	30.16
5	1624.68	44.75 AV	54.00	-9.25	1.20 V	332	14.59	30.16
6	1747.18	54.21 PK	74.00	-19.79	1.20 V	0	23.86	30.35
6	1747.18	51.02 AV	54.00	-2.98	1.20 V	0	20.67	30.35
7	2202.66	46.85 PK	74.00	-27.15	1.10 V	20	13.97	32.88
7	2202.66	38.65 AV	54.00	-15.35	1.10 V	20	5.77	32.88
8	2246.20	47.21 PK	74.00	-26.79	1.30 V	0	14.11	33.10
8	2246.20	39.52 AV	54.00	-14.48	1.30 V	0	6.42	33.10
9	*2437.00	113.32 PK			1.07 V	0	79.27	34.05
9	*2437.00	107.25 AV			1.07 V	0	73.20	34.05
10	3249.20	50.35 PK	74.00	-23.65	1.32 V	48	13.99	36.36
10	3249.20	43.02 AV	54.00	-10.98	1.32 V	48	6.66	36.36
11	4874.00	55.36 PK	74.00	-18.64	1.00 V	21	14.67	40.69
11	4874.00	43.66 AV	54.00	-10.34	1.00 V	21	2.97	40.69

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.24	50.08 PK	74.00	-23.92	1.16 H	7	21.03	29.05
1	1123.24	46.95 AV	54.00	-7.05	1.16 H	7	17.90	29.05
2	1247.98	45.70 PK	74.00	-28.30	1.00 H	0	15.93	29.77
2	1247.98	40.03 AV	54.00	-13.97	1.00 H	0	10.26	29.77
3	1497.65	51.44 PK	74.00	-22.56	1.06 H	7	21.01	30.44
3	1497.65	49.03 AV	54.00	-4.97	1.06 H	7	18.60	30.44
4	1622.45	47.90 PK	74.00	-26.10	1.07 H	20	17.75	30.15
4	1622.45	42.80 AV	54.00	-11.20	1.07 H	20	12.65	30.15
5	1641.29	46.97 PK	74.00	-27.03	1.20 H	0	16.79	30.18
5	1641.29	41.83 AV	54.00	-15.24	1.20 H	0	11.65	30.18
6	1747.19	51.91 PK	74.00	-22.09	1.04 H	17	21.56	30.35
6	1747.19	49.40 AV	54.00	-4.60	1.04 H	17	19.05	30.35
7	2202.67	46.04 PK	74.00	-27.96	1.00 H	284	13.16	32.88
7	2202.67	38.76 AV	54.00	-15.24	1.00 H	284	5.88	32.88
8	2246.54	45.15 PK	74.00	-28.85	1.21 H	342	12.05	33.10
8	2246.54	34.82 AV	54.00	-19.18	1.21 H	342	1.72	33.10
9	*2462.00	93.66 PK			1.11 H	354	59.50	34.16
9	*2462.00	85.42 AV			1.11 H	354	51.26	34.16
10	2483.50	40.62 PK	74.00	-33.38	1.23 H	360	6.36	34.26
10	2483.50	32.38 AV	54.00	-21.62	1.23 H	360	-1.88	34.26
11	3282.64	49.03 PK	74.00	-24.97	1.12 H	20	12.64	36.40
11	3282.64	38.28 AV	54.00	-15.72	1.12 H	20	1.89	36.40
12	4924.00	52.21 PK	74.00	-21.79	1.23 H	360	11.35	40.86
12	4924.00	41.16 AV	54.00	-12.84	1.23 H	360	0.30	40.86

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
CHANNEL	11	**FREQUENCY RANGE**	1~25 GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 62% RH, 991 hPa	**TEST MODE**	Mode 2
TESTED BY	Steven Lu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1123.20	56.32 PK	74.00	-17.68	1.38 V	0	27.27	29.05
1	1123.20	53.00 AV	54.00	-1.00	1.38 V	0	23.95	29.05
2	1248.00	52.10 PK	74.00	-21.90	1.36 V	0	22.33	29.77
2	1248.00	48.15 AV	54.00	-5.85	1.36 V	0	18.38	29.77
3	1497.64	57.65 PK	74.00	-16.35	1.00 V	48	27.21	30.44
3	1497.64	53.00 AV	54.00	-1.00	1.00 V	48	22.56	30.44
4	1622.50	52.20 PK	74.00	-21.80	1.62 V	347	22.05	30.15
4	1622.50	49.68 AV	54.00	-4.32	1.62 V	347	19.53	30.15
5	1641.32	50.72 PK	74.00	-23.28	1.57 V	322	20.54	30.18
5	1641.32	46.67 AV	54.00	-7.33	1.57 V	322	16.49	30.18
6	1747.28	54.08 PK	74.00	-19.92	1.15 V	338	23.73	30.35
6	1747.28	50.44 AV	54.00	-3.56	1.15 V	338	20.09	30.35
7	2202.50	46.10 PK	74.00	-27.90	1.20 V	35	13.22	32.88
7	2202.50	38.06 AV	54.00	-15.94	1.20 V	35	5.18	32.88
8	2246.68	46.52 PK	74.00	-27.48	1.37 V	5	13.41	33.11
8	2246.68	38.27 AV	54.00	-15.73	1.37 V	5	5.16	33.11
9	*2462.00	110.69 PK			1.08 V	344	76.53	34.16
9	*2462.00	103.97 AV			1.08 V	344	69.81	34.16
10	2483.50	57.65 PK	74.00	-16.35	1.08 V	344	23.39	34.26
10	2483.50	50.93 AV	54.00	-3.07	1.08 V	344	16.67	34.26
11	3282.64	49.85 PK	74.00	-24.15	1.08 V	0	13.46	36.40
11	3282.64	37.97 AV	54.00	-16.03	1.08 V	0	1.58	36.40
12	4924.00	55.49 PK	74.00	-18.51	1.02 V	0	14.63	40.86
12	4924.00	42.85 AV	54.00	-11.15	1.02 V	0	1.99	40.86

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2005

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP

For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.3.6 EUT OPERATING CONDITIONS

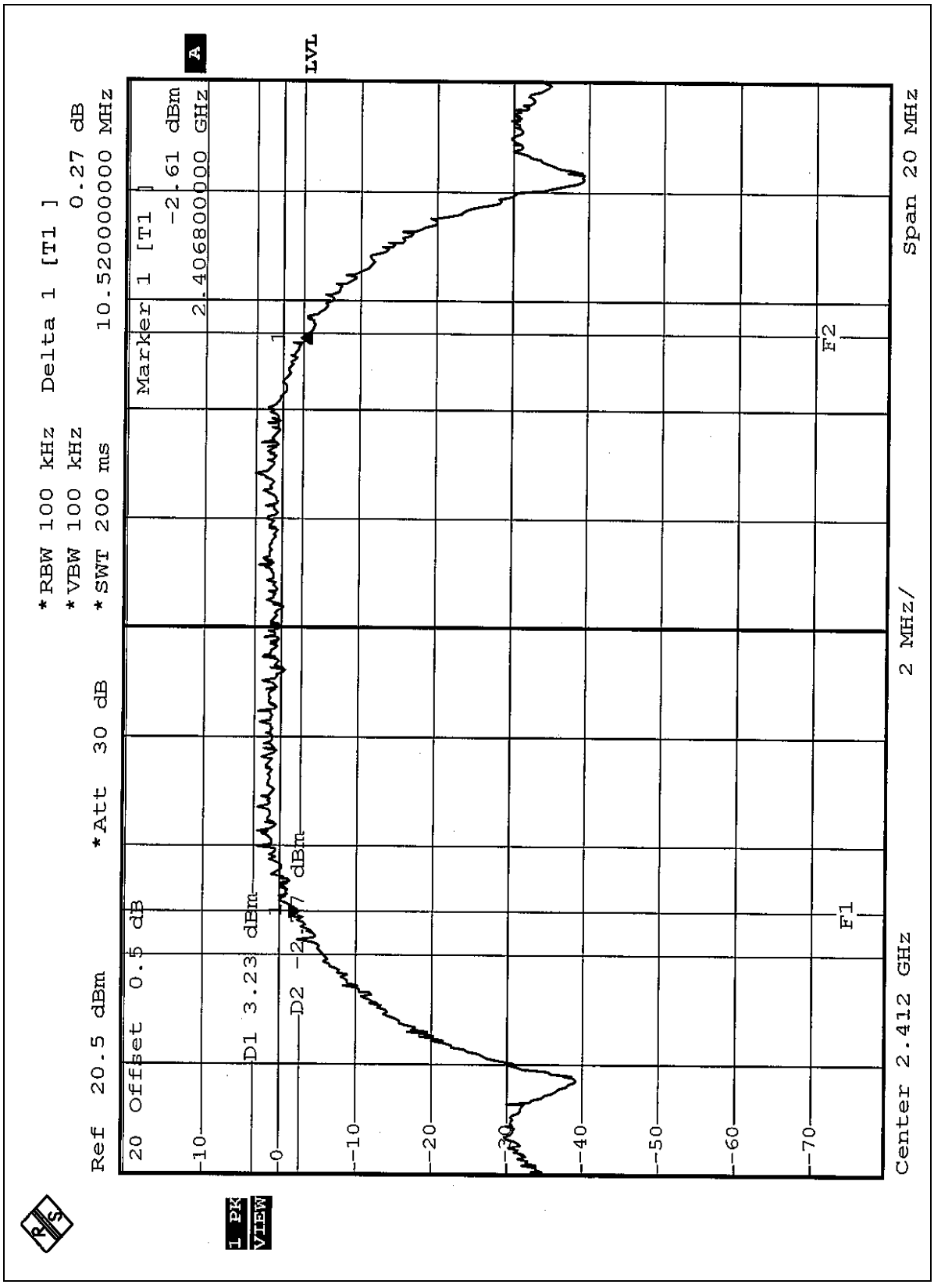
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS (A)

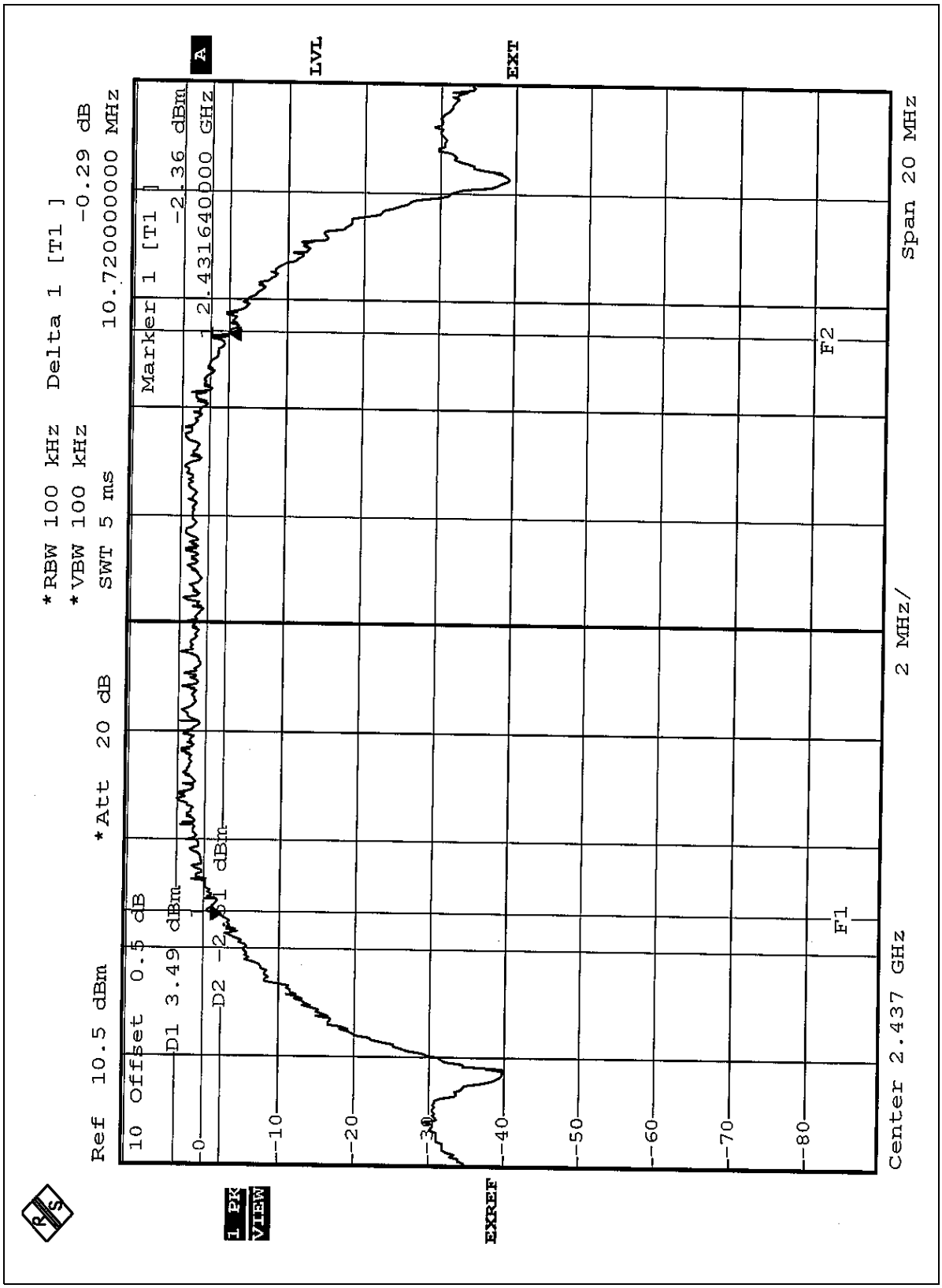
EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24 deg. C, 65% RH, 991 hPa
TESTED BY	Steven Lu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	10.52	0.5	PASS
6	2437	10.72	0.5	PASS
11	2462	10.40	0.5	PASS

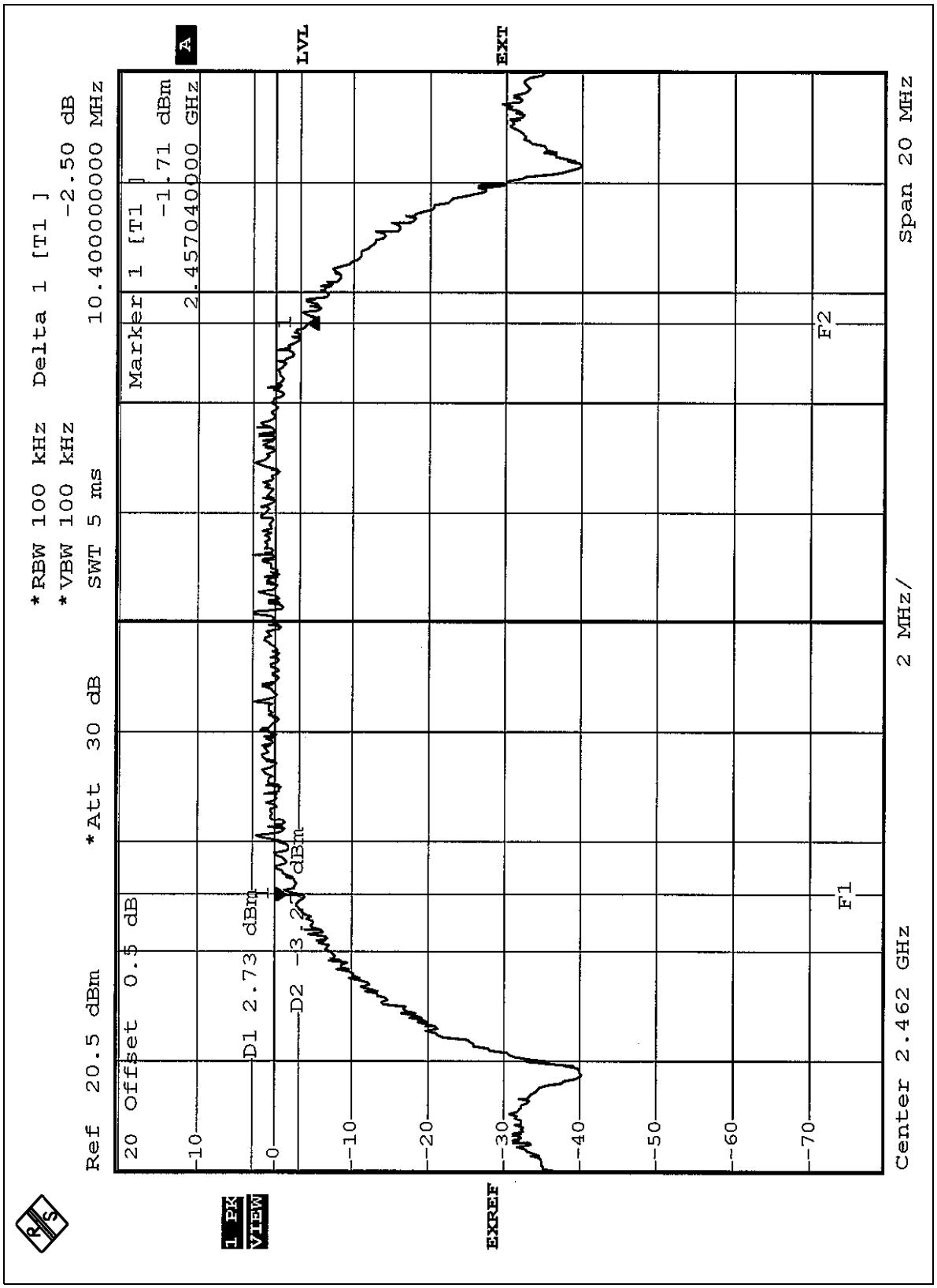
CH1


RBW 100 kHz
VBW 100 kHz
SWT 200 ms
Delta 1 [T1]
0.27 dB
10.520000000 MHz
Marker 1 [T1]
-2.61 dBm
2.40680000 GHz
Ref 20.5 dBm
Offset 0.5 dB
Att 30 dB
D1 3.23 dBm
D2 -2.77 dBm
Center 2.412 GHz
2 MHz/
Span 20 MHz
F1
F2
LVL
A
1 PK
VIEW

CH6


Ref 10.5 dBm
10 Offset 0.5 dB
D1 3.49 dBm
D2 -2.31 dBm
*Att 20 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
-0.29 dB
10.720000000 MHz
Marker 1 [T1]
-2.36 dBm
2.431640000 GHz
LVL
EXT
A
1 PK
VIEW
EXREF
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz
0
-10
-20
-30
-40
-50
-60
-70
-80

CH11

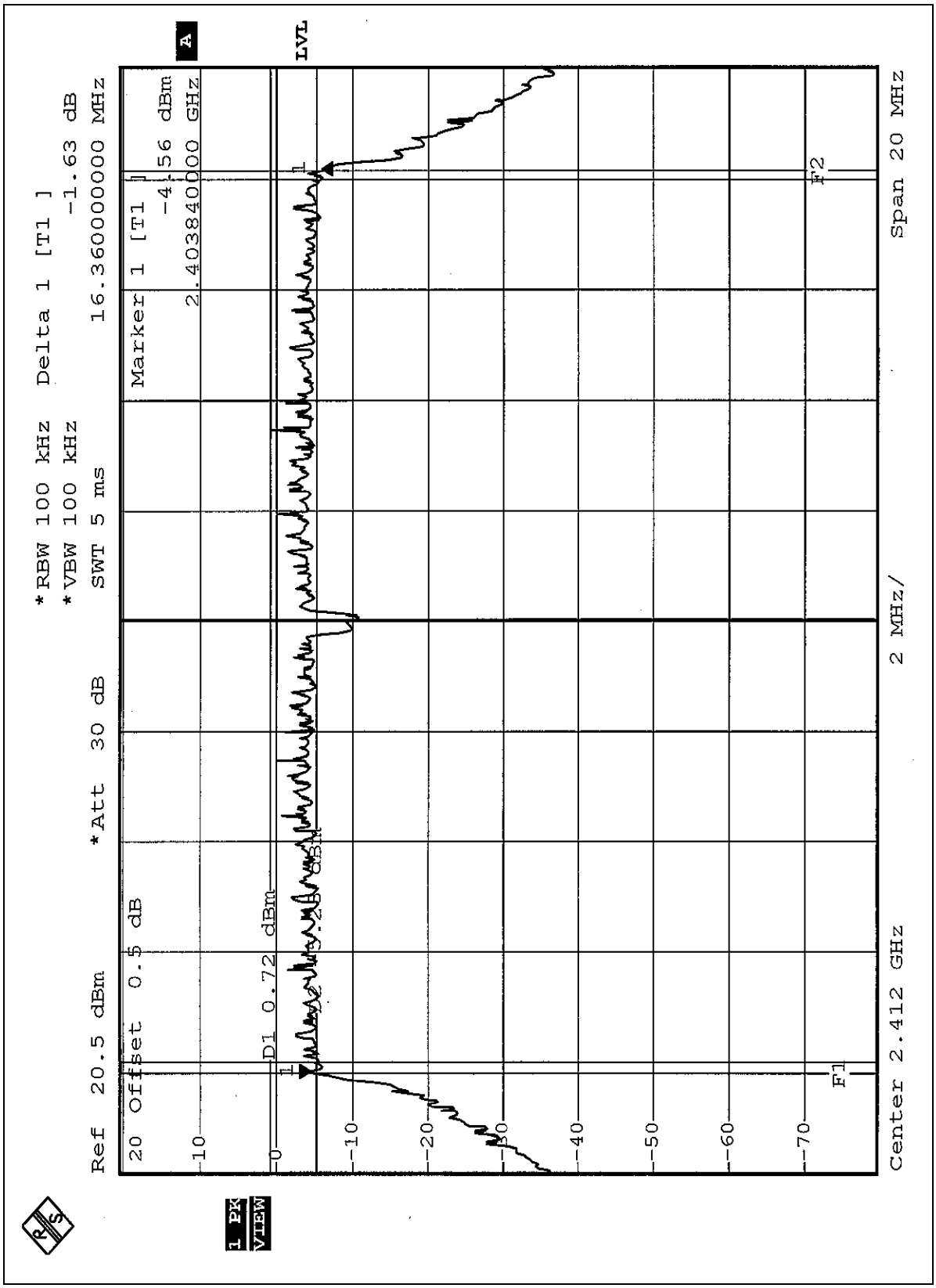

*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
-2.50 dB
10.400000000 MHz
*Att 30 dB
Marker 1 [T1]
-1.71 dBm
2.457040000 GHz
Ref 20.5 dBm
20 Offset 0.5 dB
D1 2.73 dBm
D2 -3.2 dBm
LVL
EXT
EXREF
1 PK VIEW
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

4.3.8 TEST RESULTS (B)

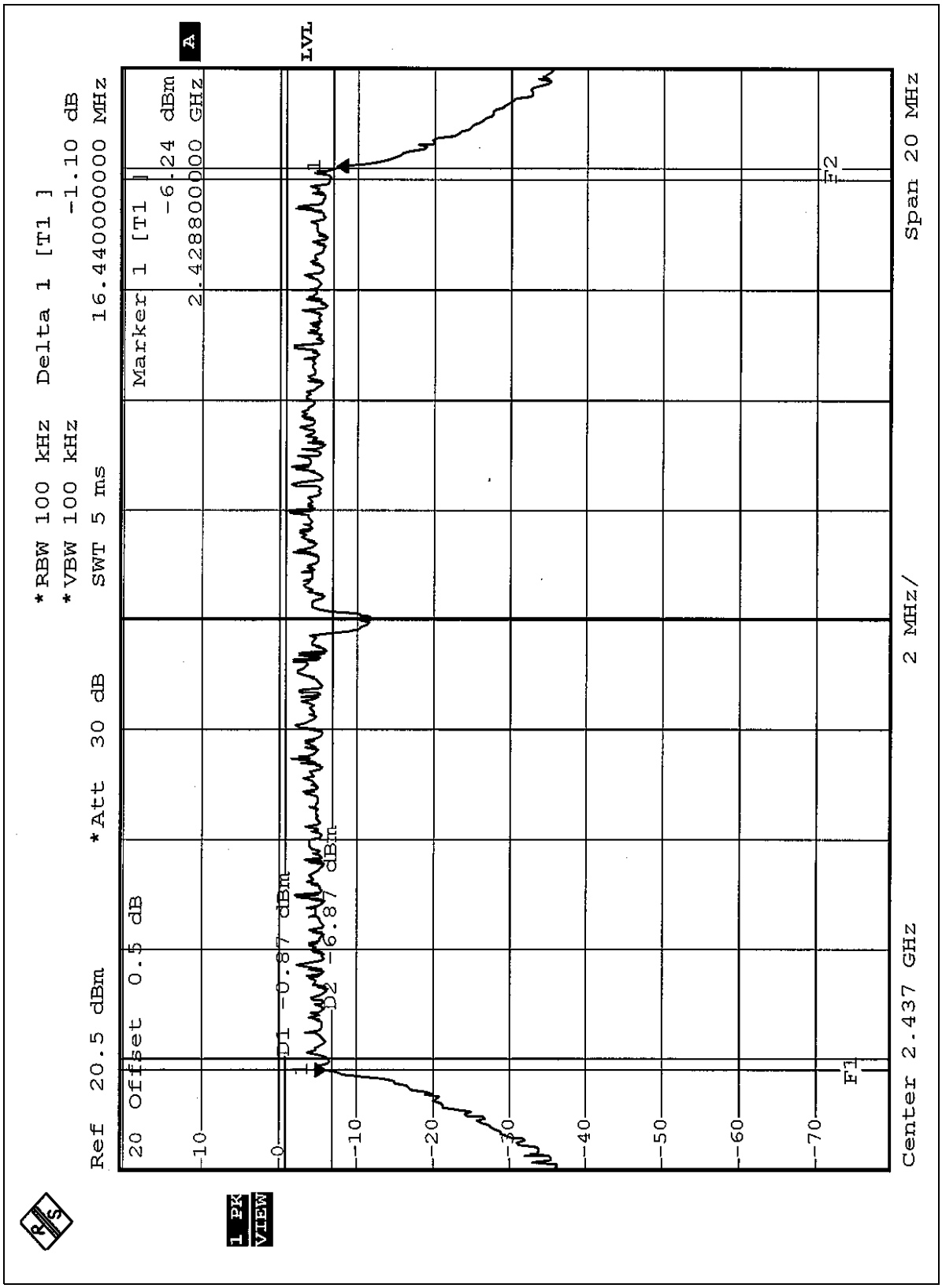
EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	25 deg. C, 62% RH, 991 hPa
TESTED BY	Steven Lu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.36	0.5	PASS
6	2437	16.44	0.5	PASS
11	2462	16.40	0.5	PASS

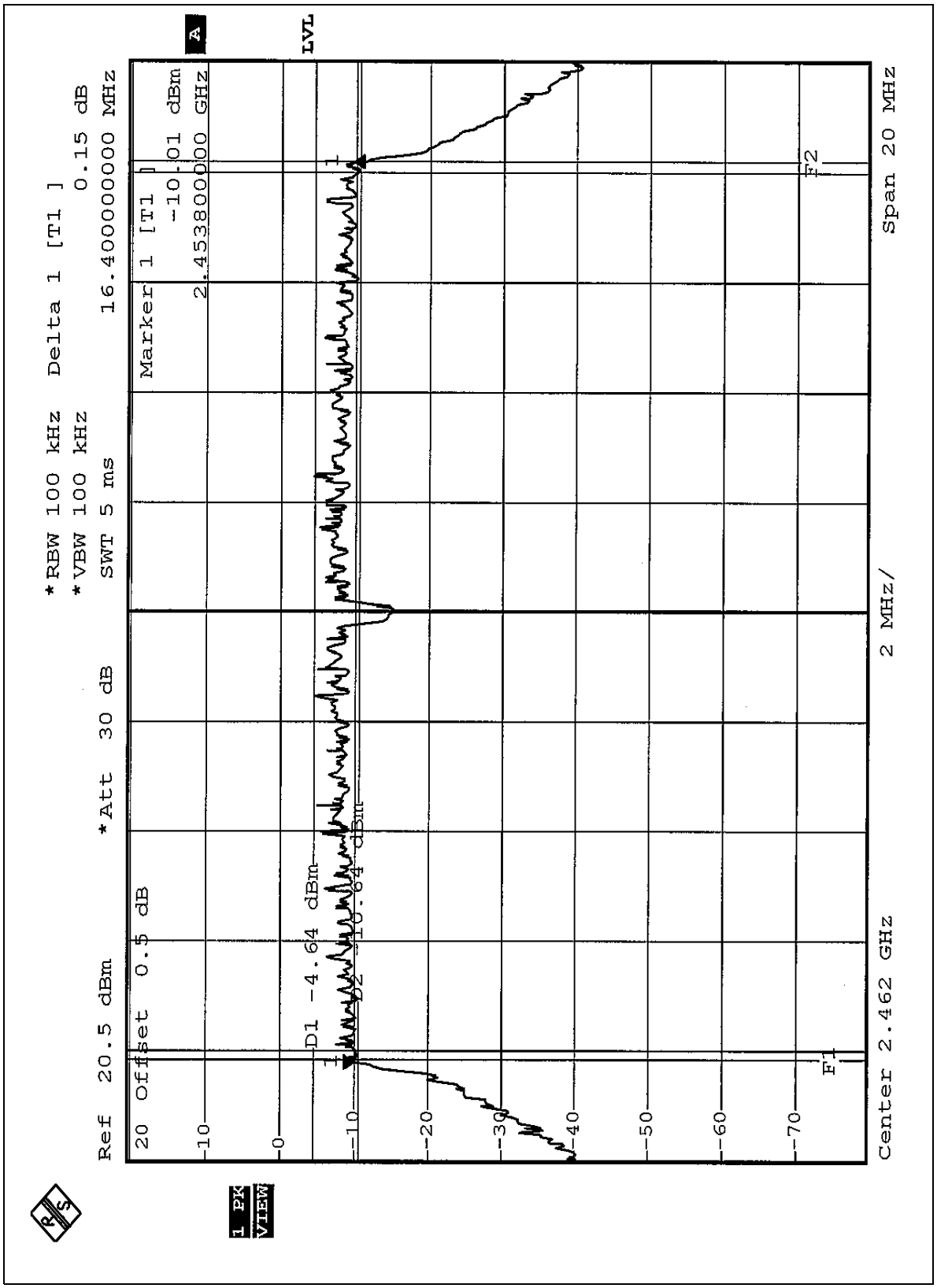
CH1


Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
-1.63 dB
16.360000000 MHz
Marker 1 [T1]
-4.56 dBm
2.403840000 GHz
D1 0.72 dBm
LVL
Center 2.412 GHz
2 MHz/
Span 20 MHz
F1
F2
1 PK
VIEW

CH6


Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
-1.10 dB
16.44000000 MHz
Marker 1 [T1]
-6.24 dBm
2.42880000 GHz
D1 -0.87 dBm
D2 -6.87 dBm
Center 2.437 GHz
2 MHz/
Span 20 MHz
F1
F2
1 PK
VIEW

CH11


RBW 100 kHz
VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
0.15 dB
16.40000000 MHz
Marker 1 [T1]
-10.01 dBm
2.45380000 GHz
Ref 20.5 dBm
Offset 0.5 dB
Att 30 dB
D1 -4.64 dBm
D2 -10.64 dBm
Center 2.462 GHz
2 MHz/
Span 20 MHz
1 PK VIEW

4.4 MAXIMUM PEAK OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

4.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2005
AGILENT SIGNAL GENERATOR	E8257C	MY43320668	Dec. 31, 2004
TEKTRONIX OSCILLOSCOPE	TDS 220	C019167	Feb. 1, 2005
NARDA DETECTOR	4503A	FSCM99899	NA

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

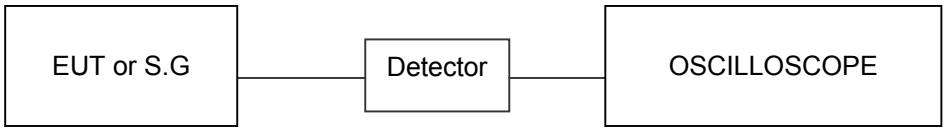
4.4.3 TEST PROCEDURES

1. A detector was used on the output port of the EUT. An oscilloscope was used to read the response of the detector.
2. Replaced the EUT by the signal generator. The center frequency of the S.G. was adjusted to the center frequency of the measured channel.
3. Adjusted the power to have the same reading on oscilloscope. Record the power level.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6

4.4.7 TEST RESULTS (A)

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24 deg. C, 65% RH, 991 hPa
TESTED BY	Steven Lu		

Test Mode 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	25.177	14.01	28	PASS
6	2437	25.119	14.00	28	PASS
11	2462	20.091	13.03	28	PASS

Note: According to 15.247 (b) (4), the maximum antenna gain 8dBi is higher than 6dBi, so the limit of peak power should be reduced by 2dBi.

Test Mode 2

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	25.177	14.01	27	PASS
6	2437	25.119	14.00	27	PASS
11	2462	20.091	13.03	27	PASS

Note: According to 15.247 (b) (4), the maximum antenna gain 9dBi is higher than 6dBi, so the limit of peak power should be reduced by 3dBi.

4.4.8 TEST RESULTS (B)

EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24 deg. C, 65% RH, 991 hPa
TESTED BY	Steven Lu		

Test Mode 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	25.293	14.03	28	PASS
6	2437	25.235	14.02	28	PASS
11	2462	20.091	10.50	28	PASS

Note: According to 15.247 (b) (4), the maximum antenna gain 8dBi is higher than 6dBi, so the limit of peak power should be reduced by 2dBi.

Test Mode 2

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	25.293	14.03	27	PASS
6	2437	25.235	14.02	27	PASS
11	2462	20.091	10.50	27	PASS

Note: According to 15.247 (b) (4), the maximum antenna gain 9dBi is higher than 6dBi, so the limit of peak power should be reduced by 3dBi.

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2005

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.5.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3 kHz RBW and 30 kHz VBW, set sweep time=span/3kHz. The power spectral density was measured and recorded.
The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

4.5.4 DEVIATION FROM TEST STANDARD

No deviation

4.5.5 TEST SETUP

4.5.6 EUT OPERATING CONDITIONS

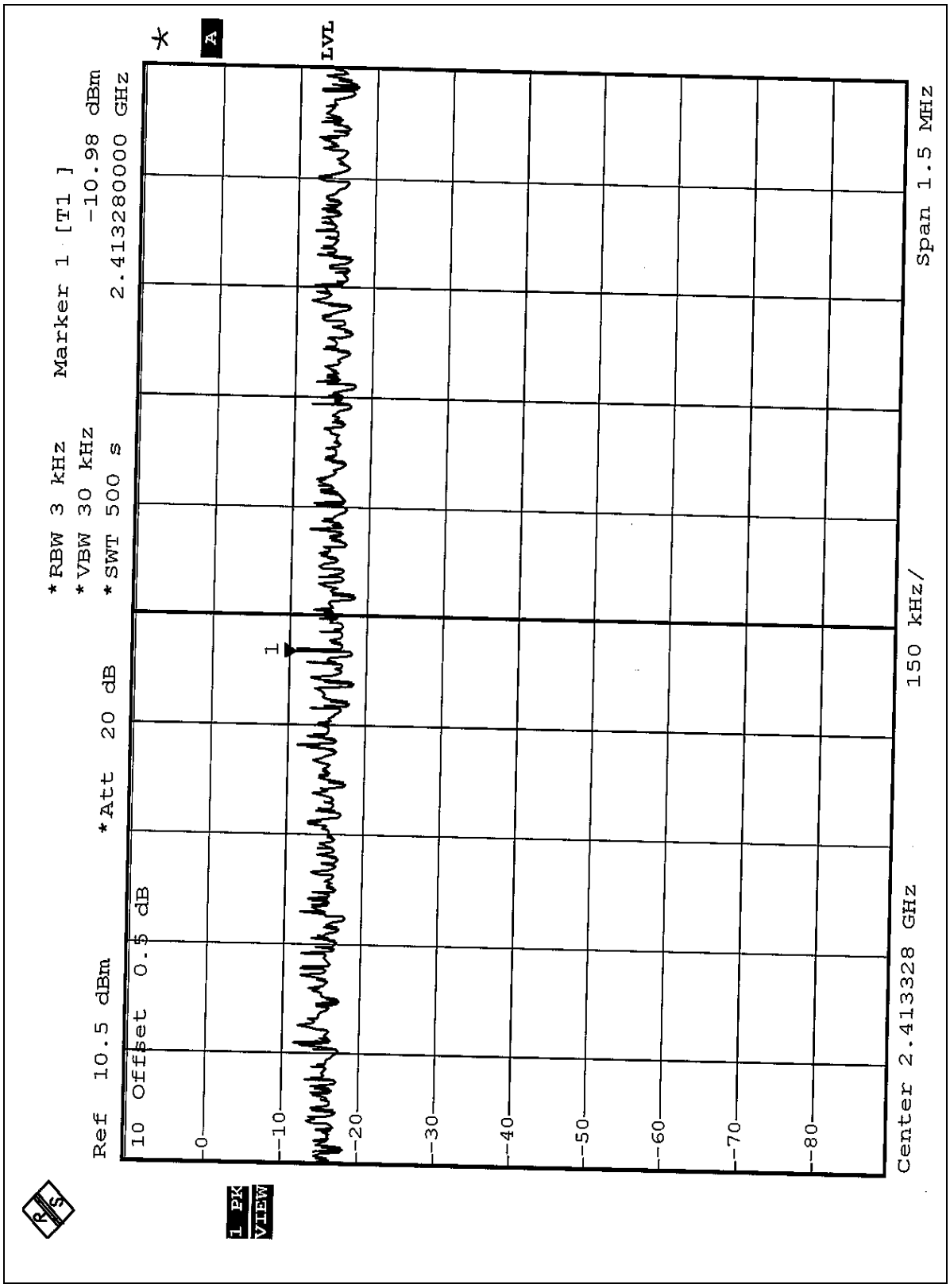
Same as 4.3.6

4.5.7 TEST RESULTS (A)

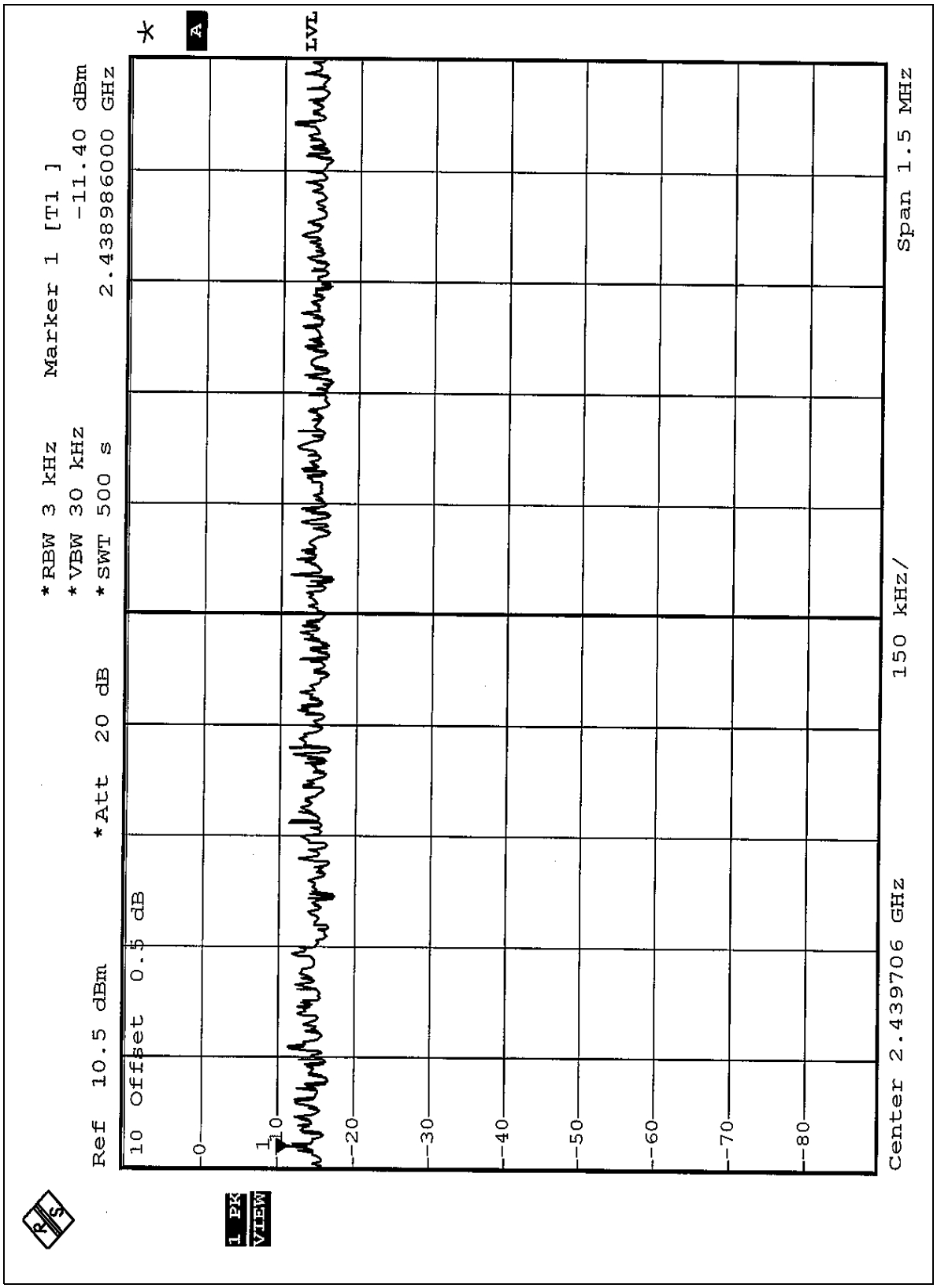
EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24 deg. C, 65% RH, 991 hPa
TESTED BY	Steven Lu		

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-10.98	8	PASS
6	2437	-11.40	8	PASS
11	2462	-11.49	8	PASS

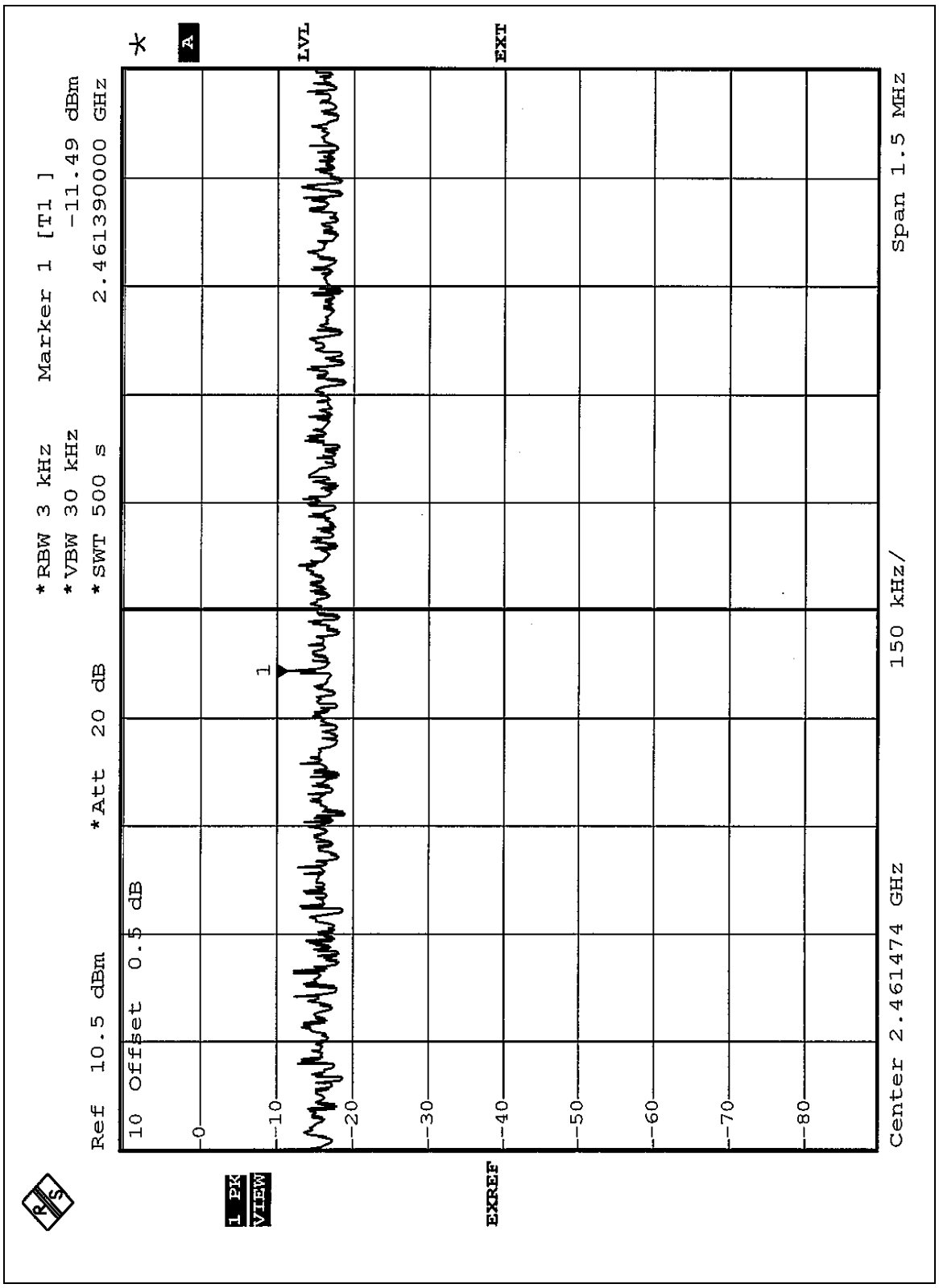
CH1


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-10.98 dBm
2.413280000 GHz
Ref 10.5 dBm
Offset 0.5 dB
Att 20 dB
Center 2.413328 GHz
150 kHz/
Span 1.5 MHz
1 PK VIEW

CH6


Ref 10.5 dBm
10 Offset 0.5 dB
*Att 20 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-11.40 dBm
2.438986000 GHz
A
1 PK
VIEW
Center 2.439706 GHz
150 kHz/
Span 1.5 MHz

CH11

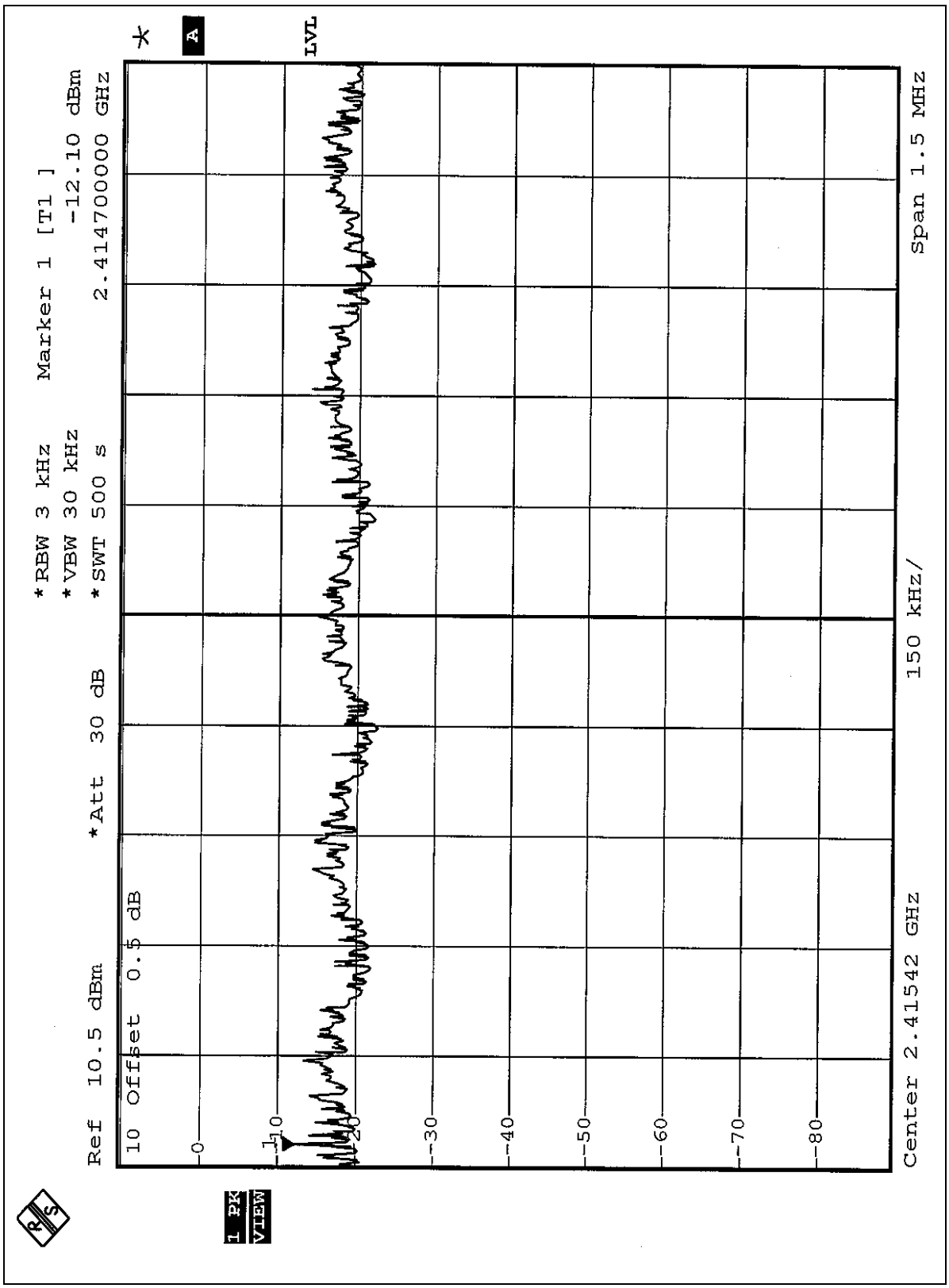

*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-11.49 dBm
2.461390000 GHz
Ref 10.5 dBm
10 Offset 0.5 dB
*Att 20 dB
A
LVL
EXT
1 PK VIEW
EXREF
Center 2.461474 GHz
150 kHz/
Span 1.5 MHz

4.5.8 TEST RESULTS (B)

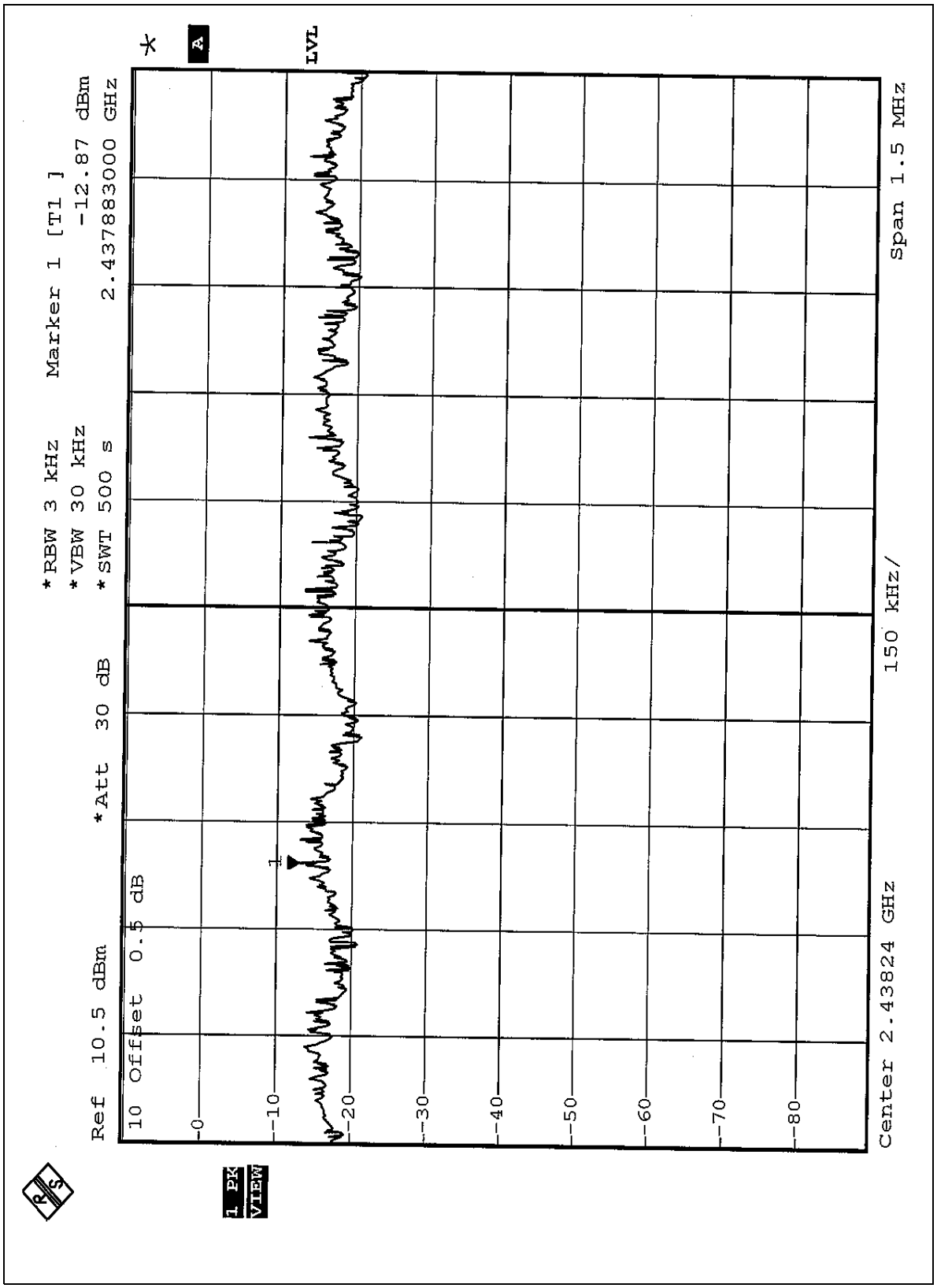
EUT	Wireless 11g Outdoor AP Bridge	**MODEL**	P600A
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	25 deg. C, 65% RH, 991 hPa
TESTED BY	Steven Lu		

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3KHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-12.10	8	PASS
6	2437	-12.87	8	PASS
11	2462	-16.46	8	PASS

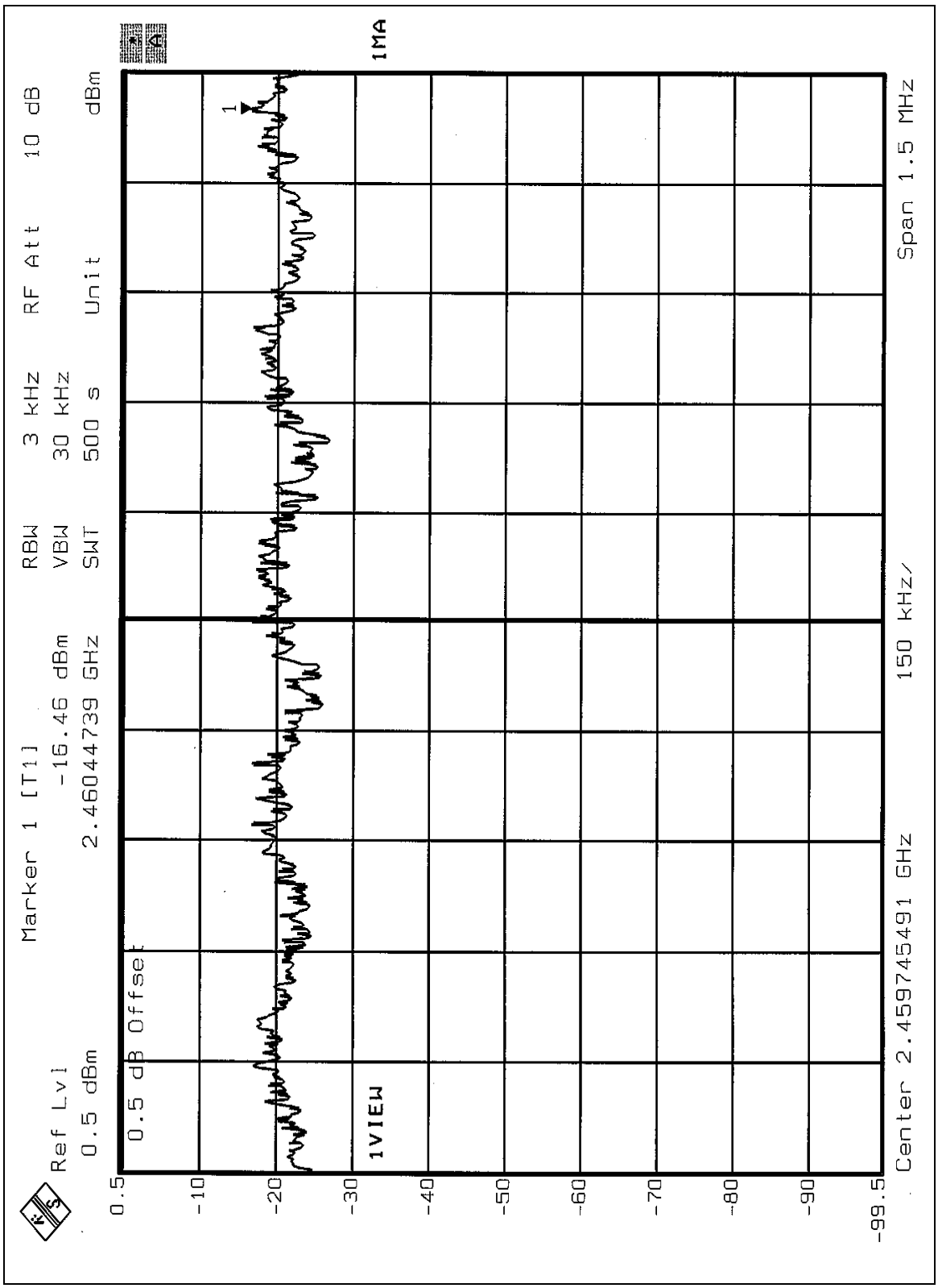
CH1


Ref 10.5 dBm
10 Offset 0.5 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-12.10 dBm
2.414700000 GHz
A
LVL
1 PK VIEW
Center 2.41542 GHz
150 kHz/
Span 1.5 MHz
0
-10
-20
-30
-40
-50
-60
-70
-80

CH6


Ref 10.5 dBm
10 Offset 0.5 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-12.87 dBm
2.437883000 GHz
Center 2.43824 GHz
150 kHz/
Span 1.5 MHz
LVL
1 PK
VIEW

CH11


Ref Lvl
0.5 dBm
0.5 dB Offset
Marker 1 [T1]
-16.46 dBm
2.46044739 GHz
RBW 3 kHz
VBW 30 kHz
SWT 500 s
RF Att 10 dB
Unit dBm
1MA
1VIEW
Center 2.459745491 GHz
150 kHz/
Span 1.5 MHz
0.5
-10
-20
-30
-40
-50
-60
-70
-80
-90
-99.5

4.6 BAND EDGES MEASUREMENT

4.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2005

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.3 TEST PROCEDURE

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

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 EUT OPERATING CONDITION

Same as Item 4.3.6

4.6.6 TEST RESULTS

The spectrum plots are attached on the following 8 pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(C).

4.6.7 TEST RESULTS(A)

TEST MODE 1

NOTE:

The band edge emission plot of CCK technique on the page 82~83 show 57.79dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.8 is 106.52dBuV/m, so the maximum field strength in restrict band is 106.52-57.79=48.73dBuV/m which is under 54dBuV/m limit.

The band edge emission plot of CCK technique on the page 84~85 show 56.08dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.8 is 106.84dBuV/m, so the maximum field strength in restrict band is 106.84-56.08=50.76dBuV/m which is under 54dBuV/m limit.

TEST MODE 2

NOTE:

The band edge emission plot of CCK technique on the page 82~83 show 57.79dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.8 is 106.88dBuV/m, so the maximum field strength in restrict band is 106.88-57.79=49.09dBuV/m which is under 54dBuV/m limit.

The band edge emission plot of CCK technique on the page 84~85 show 56.08dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.8 is 109.46dBuV/m, so the maximum field strength in restrict band is 109.46-56.08=53.38dBuV/m which is under 54dBuV/m limit.

4.6.8 TEST RESULTS(B)

TEST MODE 1

The band edge emission plot of OFDM technique on the page 86~87 show 55.26dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.9 is 105.93dBuV/m, so the maximum field strength in restrict band is 105.93-55.26=50.67dBuV/m which is under 54dBuV/m limit.

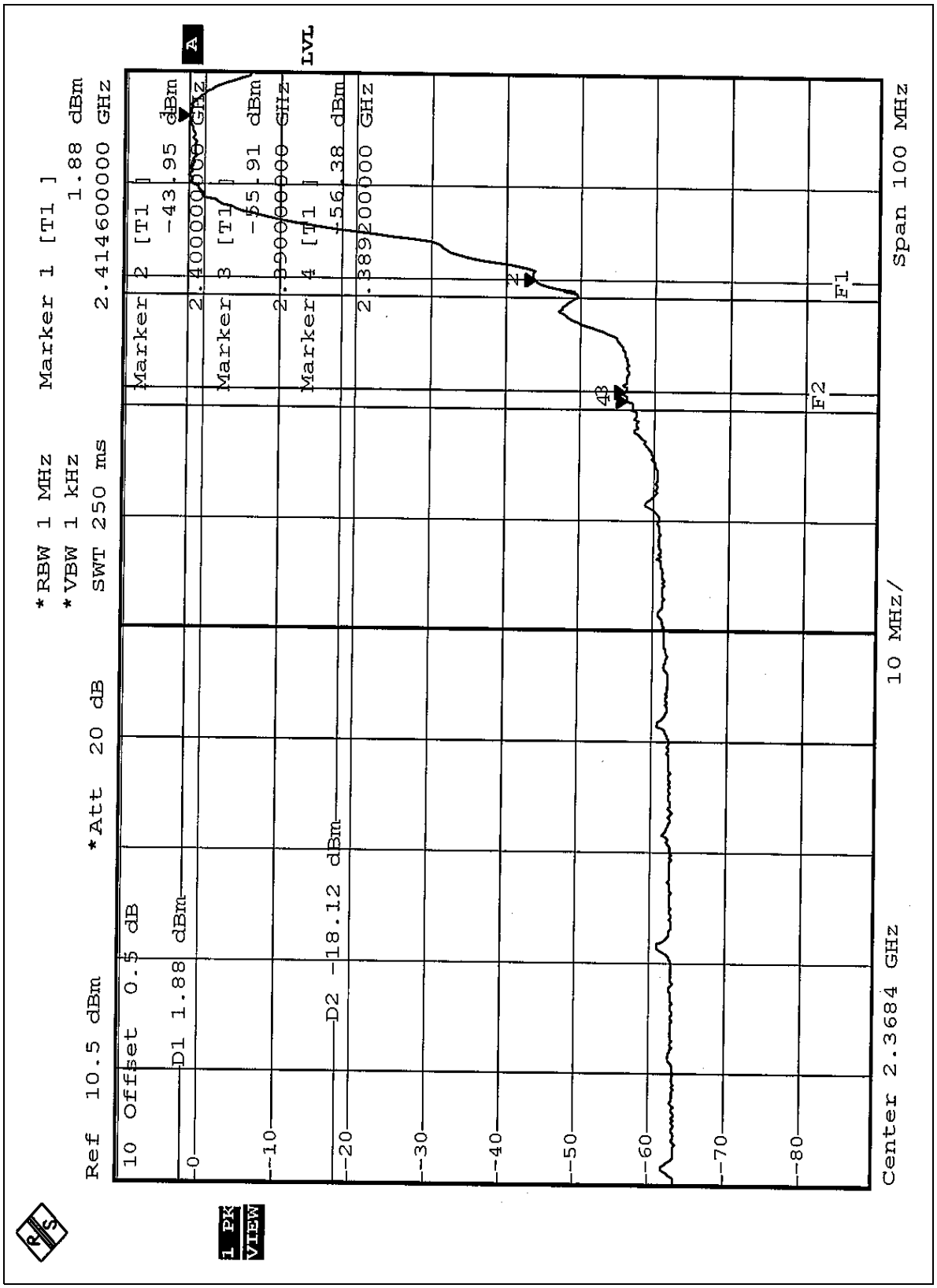
The band edge emission plot of OFDM technique on the page 88~89 show 53.64dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.9 is 101.58dBuV/m, so the maximum field strength in restrict band is 101.58-53.64=47.97dBuV/m which is under 54dBuV/m limit.

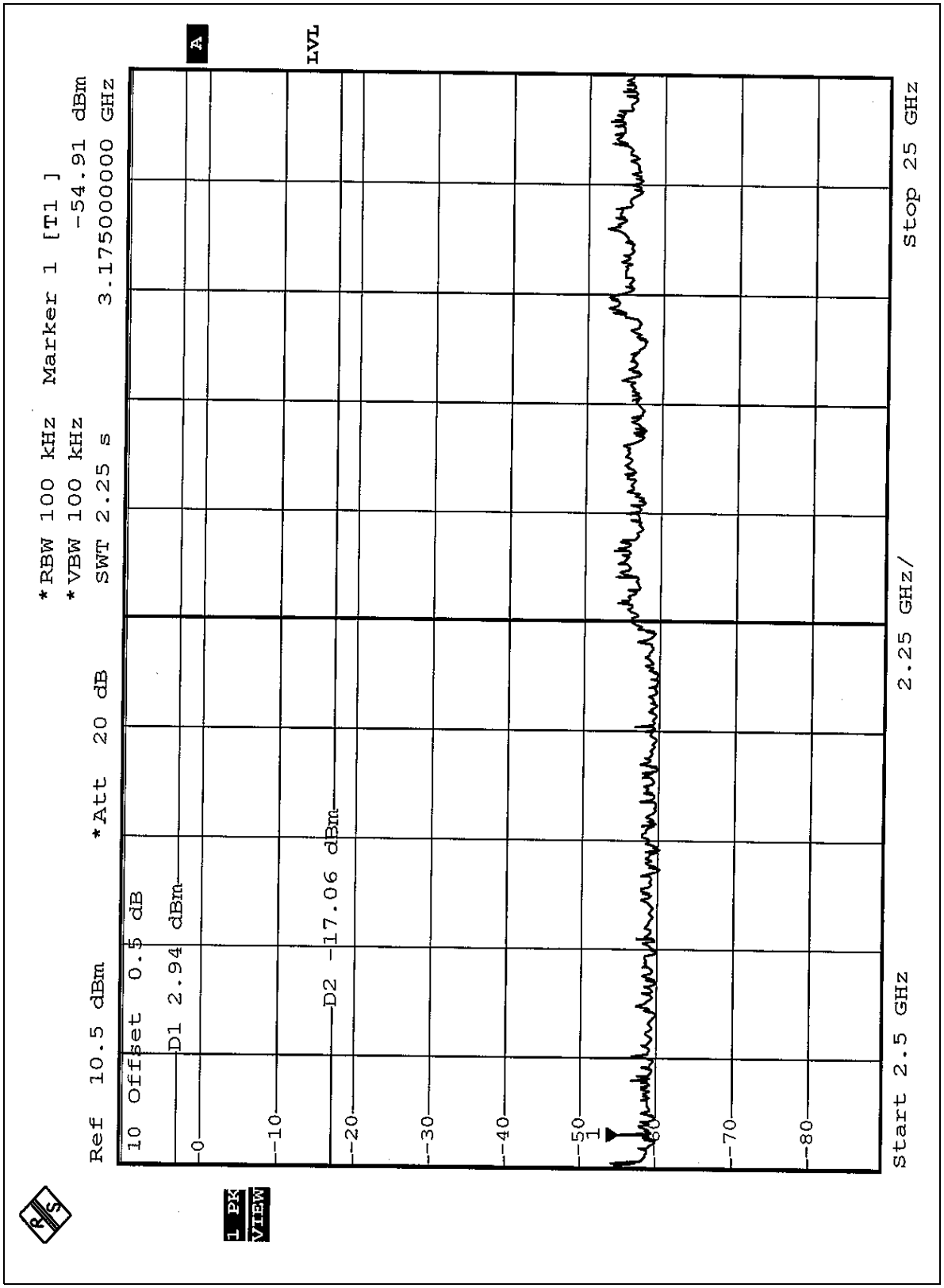
TEST MODE 2

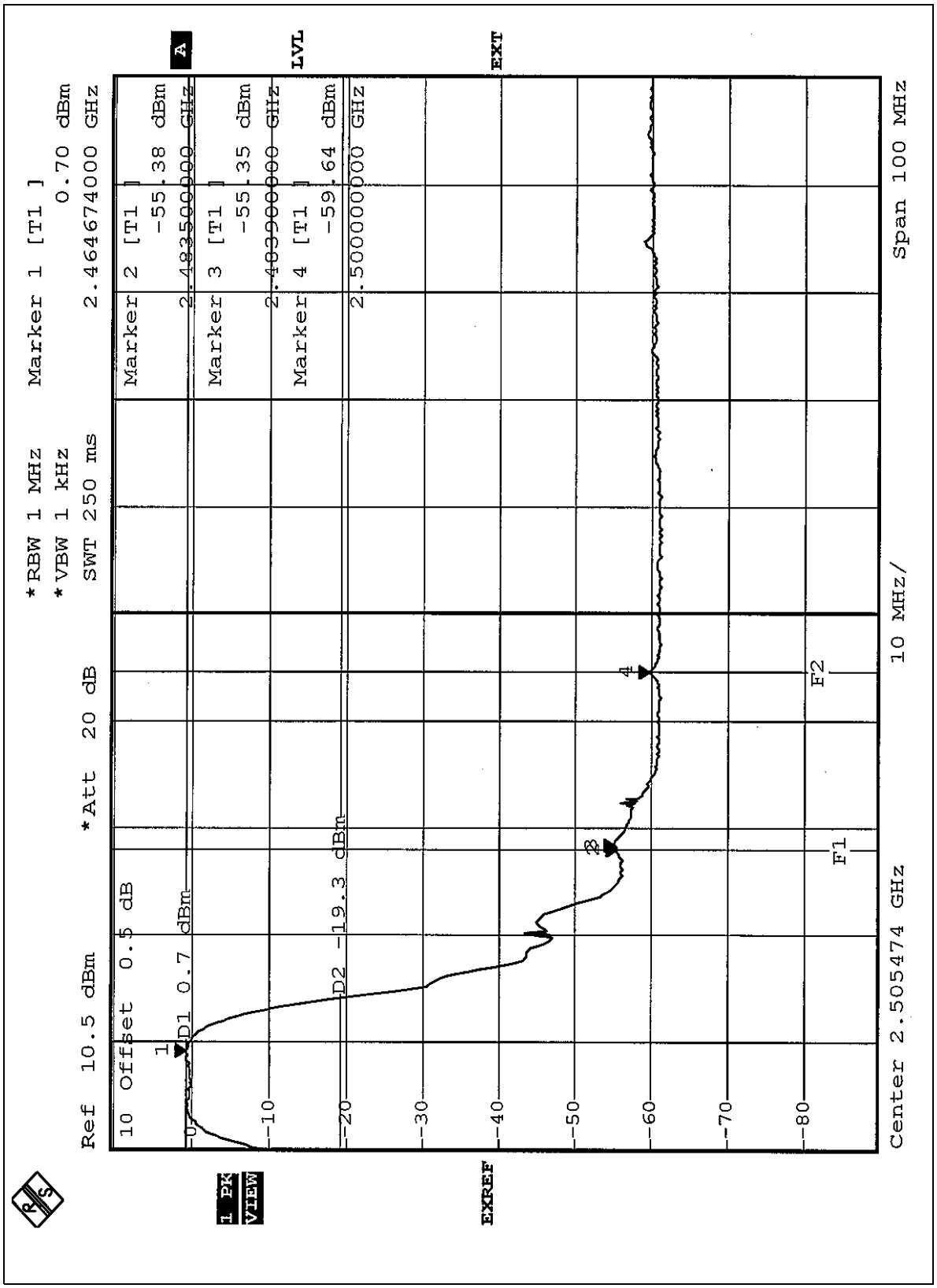
NOTE:

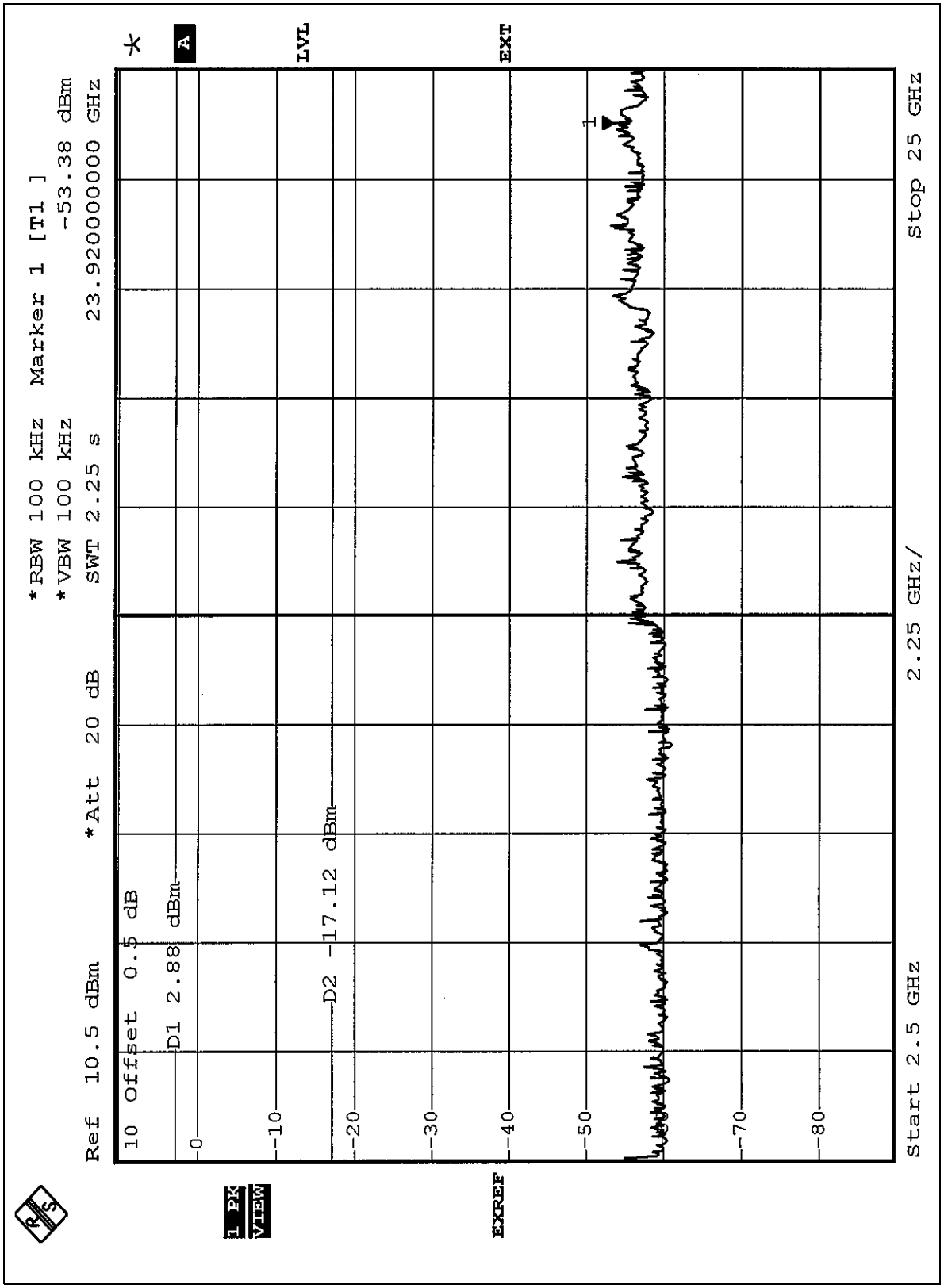
The band edge emission plot of OFDM technique on the page 86~87 show 55.26dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.9 is 107.49dBuV/m, so the maximum field strength in restrict band is 107.49-55.26=52.23dBuV/m which is under 54dBuV/m limit.

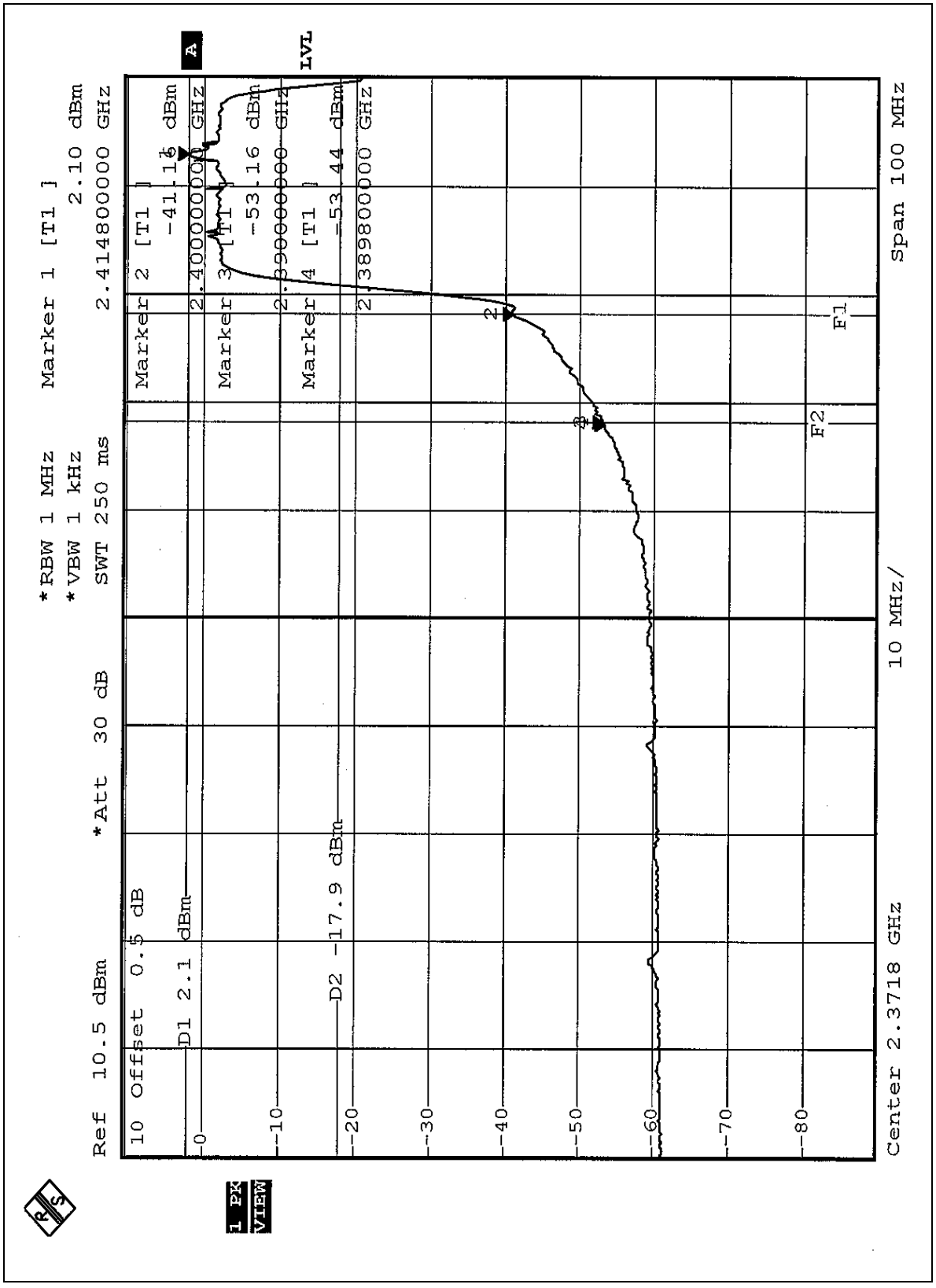
The band edge emission plot of OFDM technique on the page 88~89 show 53.64dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.9 is 103.97dBuV/m, so the maximum field strength in restrict band is 103.97-53.64=50.33dBuV/m which is under 54dBuV/m limit.

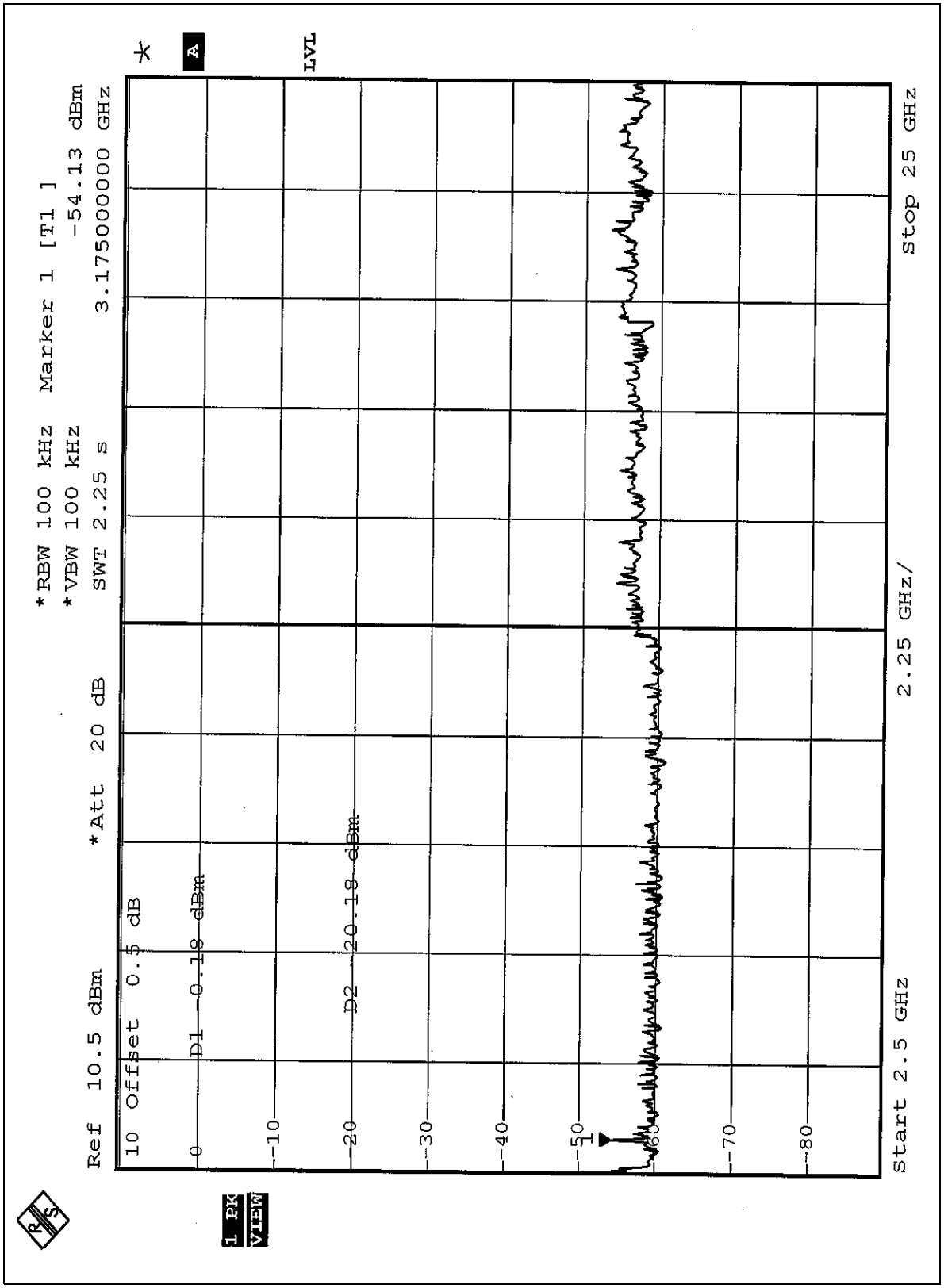

Ref 10.5 dBm
10 Offset 0.5 dB
D1 1.88 dBm
*Att 20 dB
*RBW 1 MHz
*VBW 1 kHz
SWT 250 ms
Marker 1 [T1]
1.88 dBm
2.414600000 GHz
Marker 2 [T1]
-43.95 dBm
2.400000000 GHz
Marker 3 [T1]
-55.91 dBm
2.390000000 GHz
Marker 4 [T1]
-56.38 dBm
2.389200000 GHz
D2 -18.12 dBm
Center 2.3684 GHz
10 MHz/
Span 100 MHz
F1
F2
LVL
A
1 PK VIEW

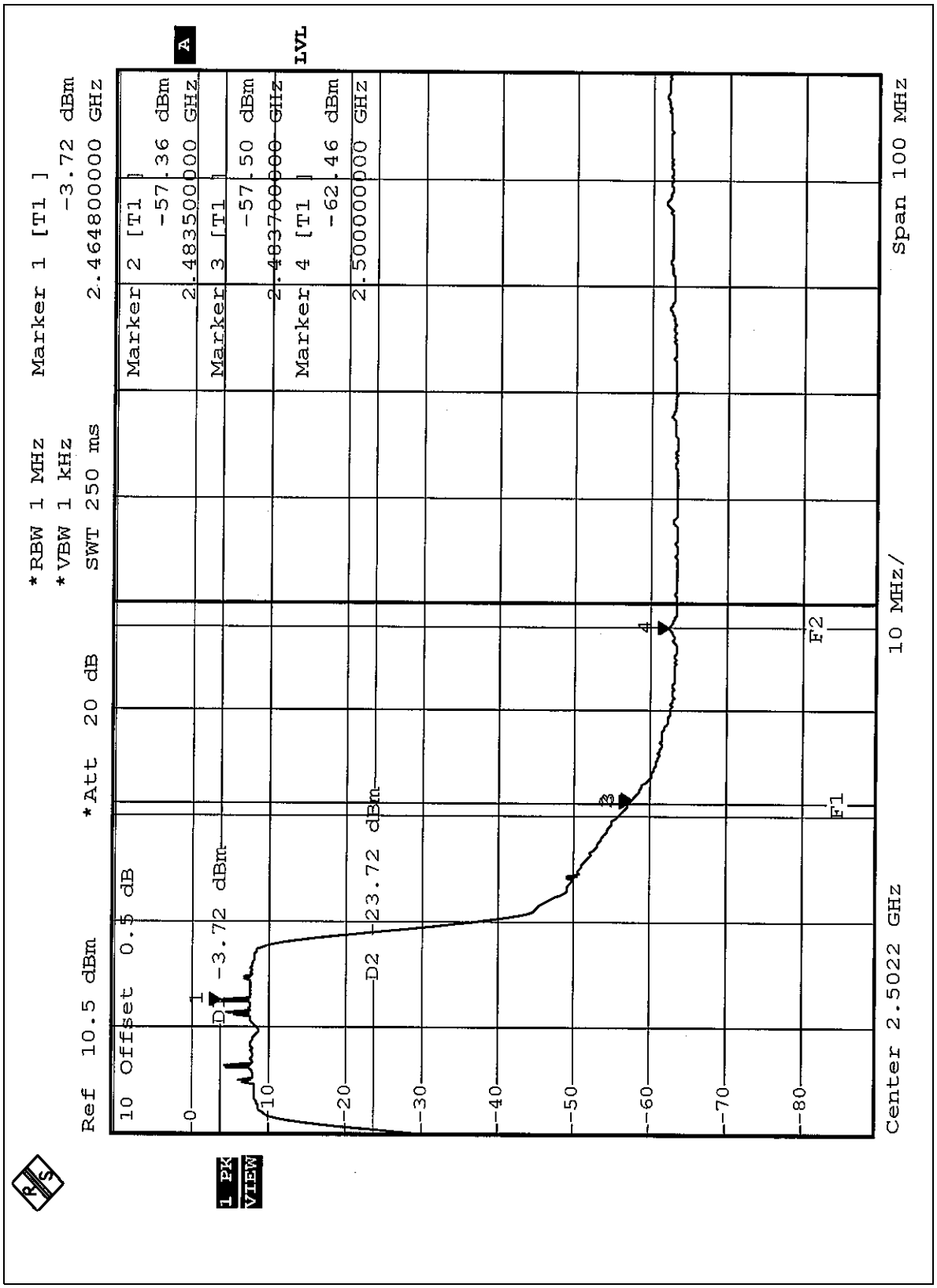

Ref 10.5 dBm
10 Offset 0.5 dB
D1 2.94 dBm
D2 -17.06 dBm
*Att 20 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-54.91 dBm
3.175000000 GHz
A
LVL
1 PK VIEW
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz

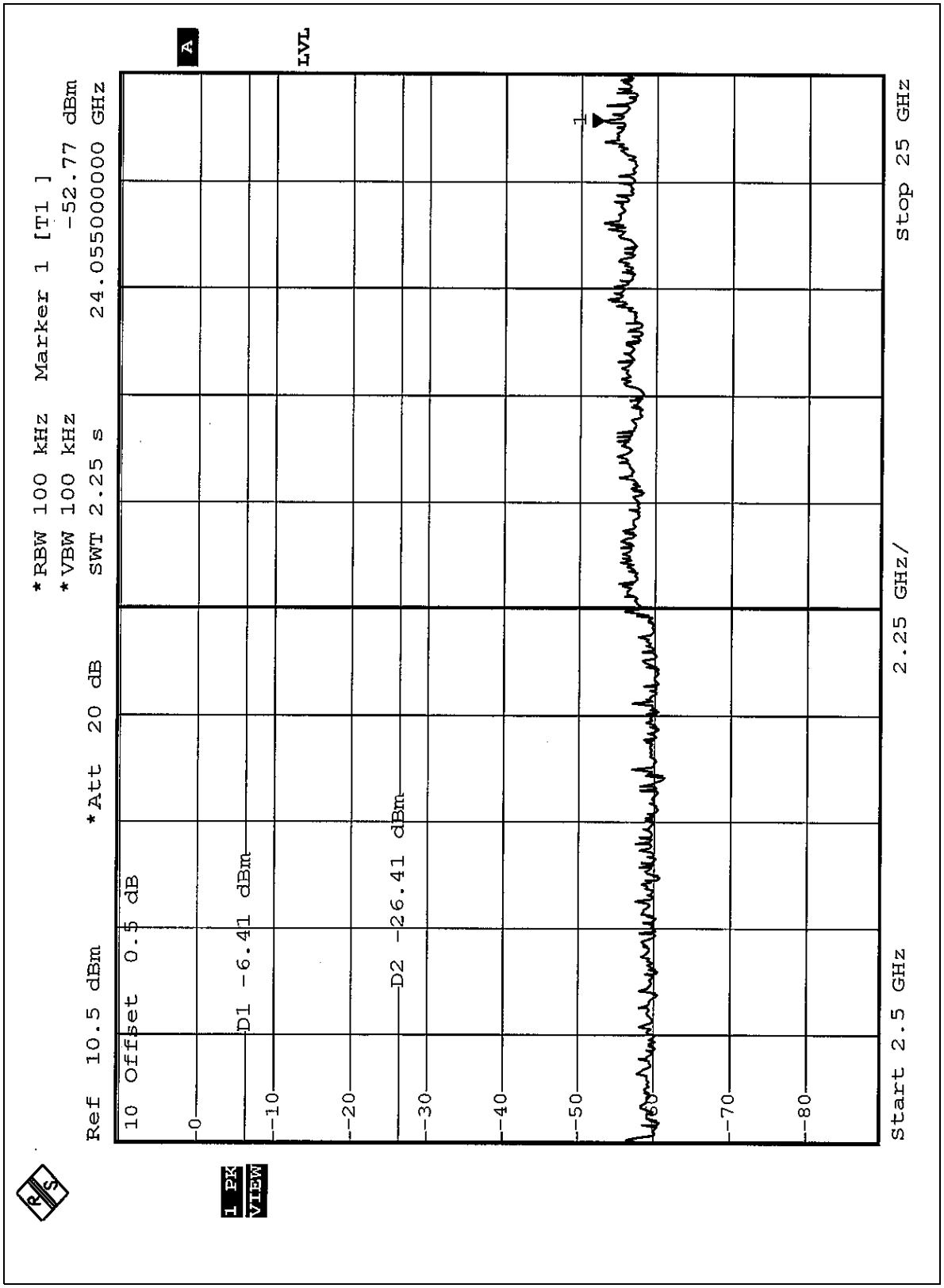

RBW 1 MHz
VBW 1 kHz
SWT 250 ms
Marker 1 [T1]
0.70 dBm
2.464674000 GHz
Ref 10.5 dBm
Offset 0.5 dB
Att 20 dB
D1 0.7 dBm
D2 -19.3 dBm
Marker 2 [T1]
-55.38 dBm
2.483500000 GHz
Marker 3 [T1]
-55.35 dBm
2.483300000 GHz
Marker 4 [T1]
-59.64 dBm
2.500000000 GHz
Center 2.505474 GHz
10 MHz/
Span 100 MHz
F1
F2
LVL
EXT
EXREF
1 PK VIEW


Ref 10.5 dBm
*Att 20 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-53.38 dBm
23.920000000 GHz
10 Offset 0.5 dB
D1 2.88 dBm
D2 -17.12 dBm
LVL
EXT
EXREF
1 PK VIEW
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz


Marker 1 [T1]
2.10 dBm
2.414800000 GHz
*RBW 1 MHz
*VBW 1 kHz
SWT 250 ms
*Att 30 dB
Ref 10.5 dBm
10 Offset 0.5 dB
D1 2.1 dBm
D2 -17.9 dBm
Marker 2 [T1]
-41.16 dBm
2.400000000 GHz
Marker 3 [T1]
-53.16 dBm
2.390000000 GHz
Marker 4 [T1]
-53.44 dBm
2.389800000 GHz
A
LVL
1 PK
VIEW
F1
F2
Center 2.3718 GHz
10 MHz/
Span 100 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-54.13 dBm
3.175000000 GHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
D1 -0.18 dBm
D2 -20.18 dBm
LVL
1 PK VIEW
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 250 ms
Marker 1 [T1]
-3.72 dBm
2.464800000 GHz
Marker 2 [T1]
-57.36 dBm
2.483500000 GHz
Marker 3 [T1]
-57.50 dBm
2.483700000 GHz
Marker 4 [T1]
-62.46 dBm
2.500000000 GHz
Ref 10.5 dBm
10 Offset 0.5 dB
Att 20 dB
D1 -3.72 dBm
D2 23.72 dBm
Center 2.5022 GHz
10 MHz/
Span 100 MHz
F1
F2
1 PK
VIEW
A
LVL


*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-52.77 dBm
24.055000000 GHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
D1 -6.41 dBm
D2 -26.41 dBm
A
LVL
1 PK VIEW
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz

4.7 ANTENNA REQUIREMENT

4.7.1 STANDARD APPLICABLE

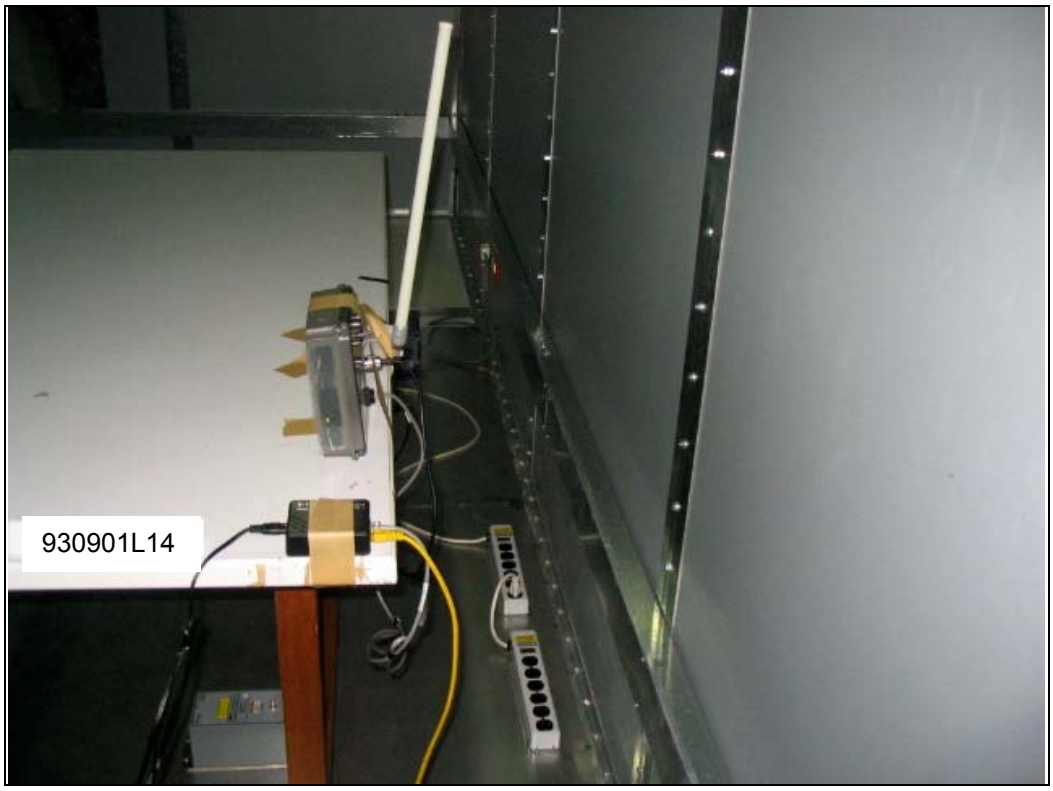
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 ANTENNA CONNECTED CONSTRUCTION

The antenna used in this product are Patch and Dipole antenna without connector.
And the maximum Gain of this antenna is 9.0dBi.

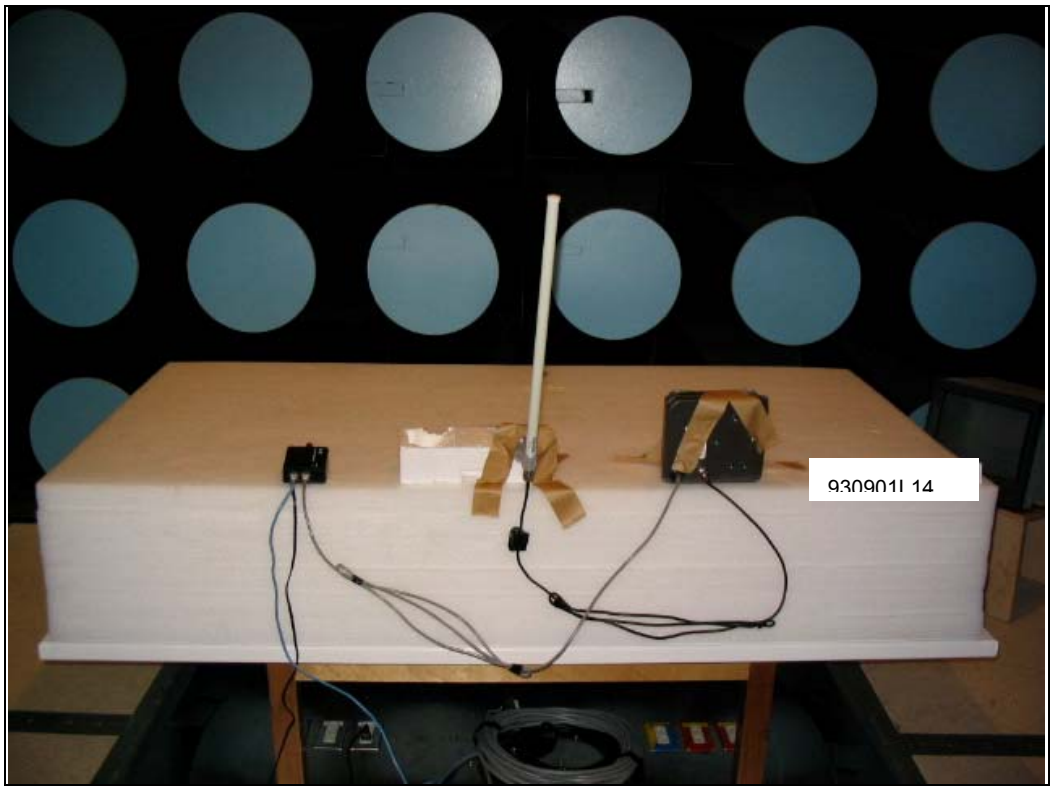
5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST
Test Mode 1

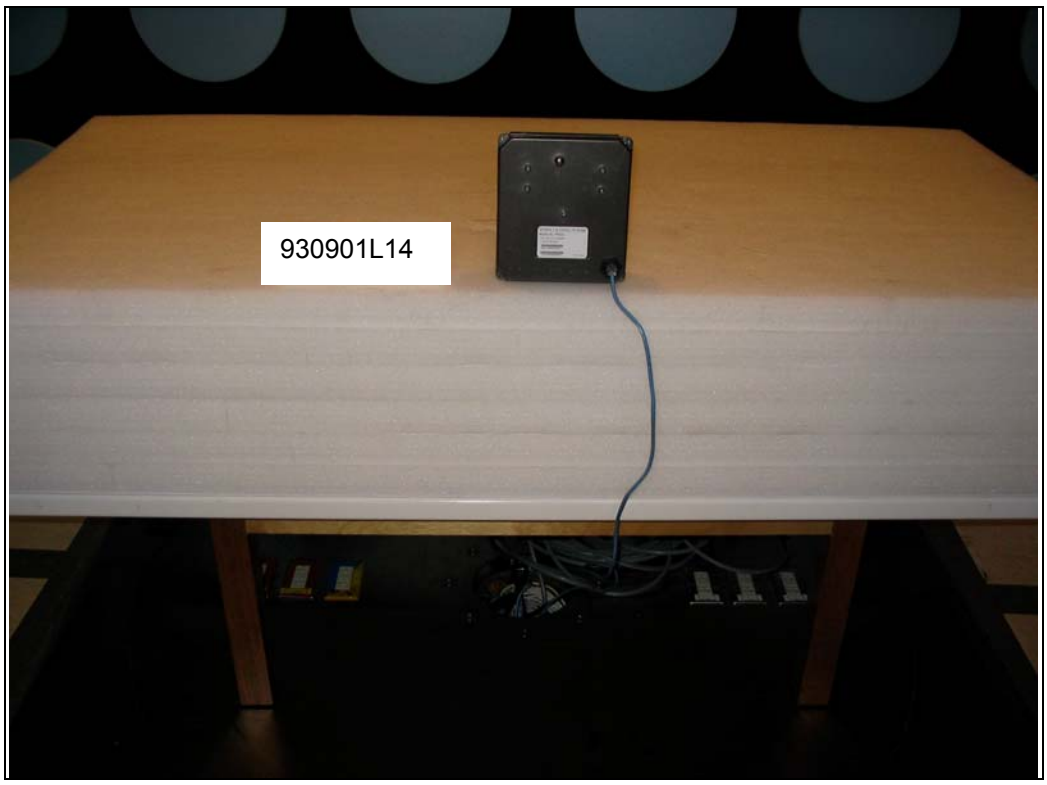


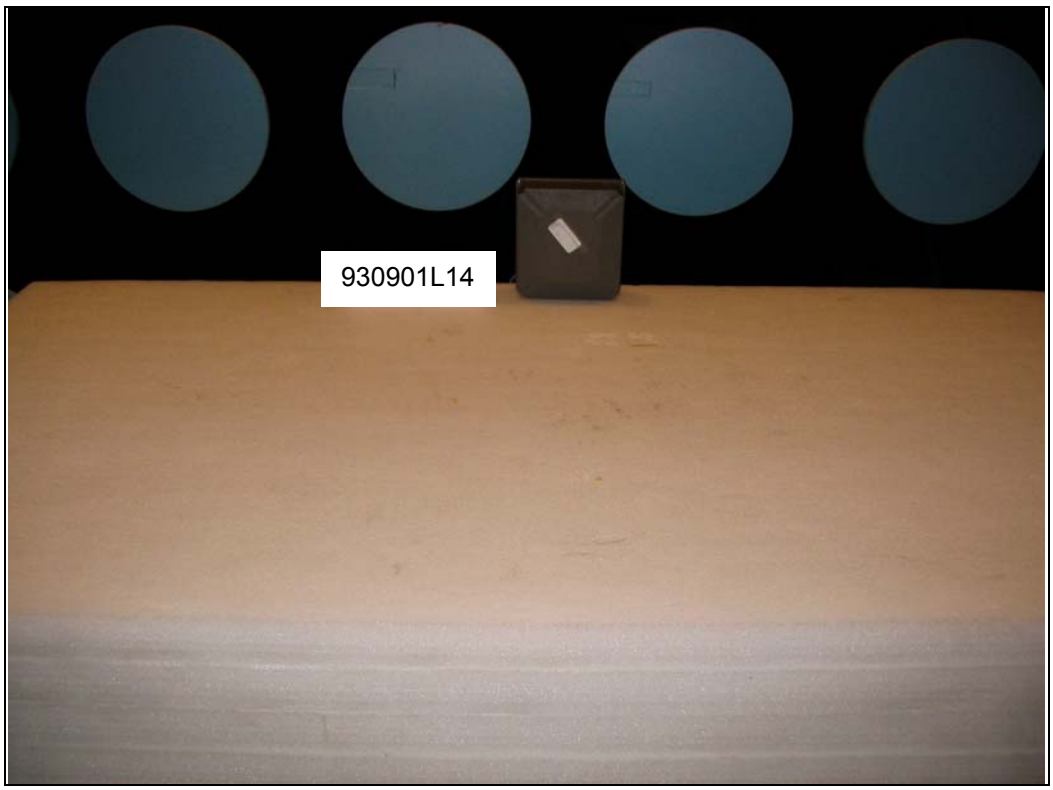
Test Mode 2

RADIATED EMISSION TEST
Test Mode 1



Test Mode 2





6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP, UL , A2LA
Germany	TUV Rheinland
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Norway	NEMKO
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R.O.C.	CNLA, BSMI, DGT
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

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