



FCC TEST REPORT

REPORT NO.: RF930623L13

MODEL NO.: VS10276

OEM MODEL NO.: WR100

RECEIVED: June 10, 2004

TESTED: June 10 ~ June 29, 2004

APPLICANT: ViewSonic Corp.

ADDRESS: 381 Brea Canyon Rd., Walnut, CA 91789,
U.S.A.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: No. 19, Hwa Ya 2nd Rd., Kueishan, Taoyuan,
Taiwan, R.O.C.

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1 CERTIFICATION

PRODUCT : ViewSonic Wireless 802.11g Router

BRAND NAME : ViewSonic

MODEL NO. : VS10276

OEM MODEL NO. : WR100

APPLICANT : ViewSonic Corp.

TESTED : June 10 ~ June 29, 2004

TEST ITEM : Engineering Sample

STANDARDS : FCC Part 15, Subpart C (Section 15.247),
ANSI C63.4-2001

The above equipment 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: Wendy Liao, **DATE:** June 30, 2004

Wendy Liao

APPROVED BY: Cody Chang, **DATE:** June 30, 2004

Cody Chang / Supervisor

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 -12.46dB at 0.474MHz
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 -0.09dB at 3248.00MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(e)	Band Edge Measurement Limit: 20 dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.

NOTE: The information of measurement uncertainty is available upon the customer's request.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	ViewSonic Wireless 802.11g Router
MODEL NO.	VS10276
OEM MODEL NO.	WR100
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	13.00dBm
ANTENNA TYPE	Dipole antenna with 2dBi gain
DATA CABLE	NA
I/O PORTS	RJ45
ASSOCIATED DEVICES	NA

NOTE:

1. The following OEM was provided to this EUT. They are identical to each other except for their model number due to marketing requirement.

BRAND	MODEL NO.
ViewSonic	WR100

2. The EUT was tested with the following adapters:

BRAND:	Potrans Electrical Corporation
MODEL :	WD411200500
INPUT :	120Vac, 60Hz, 11W
OUTPUT :	12Vdc, 500mA

BRAND:	RONG HORNG
MODEL :	RH41-1200500DU
INPUT :	120Vac, 60Hz
OUTPUT :	12Vdc, 500mA

3. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
4. The EUT complies with IEEE 802.11g draft 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. For conducted emission measurement and radiated emission measurement (below 1000MHz), two test results provided to this report. The test result A is for adapter with model no. WD411200500, and test result B is for adapter with model no.RH41-1200500DU.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a ViewSonic Wireless 802.11g Router. 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.

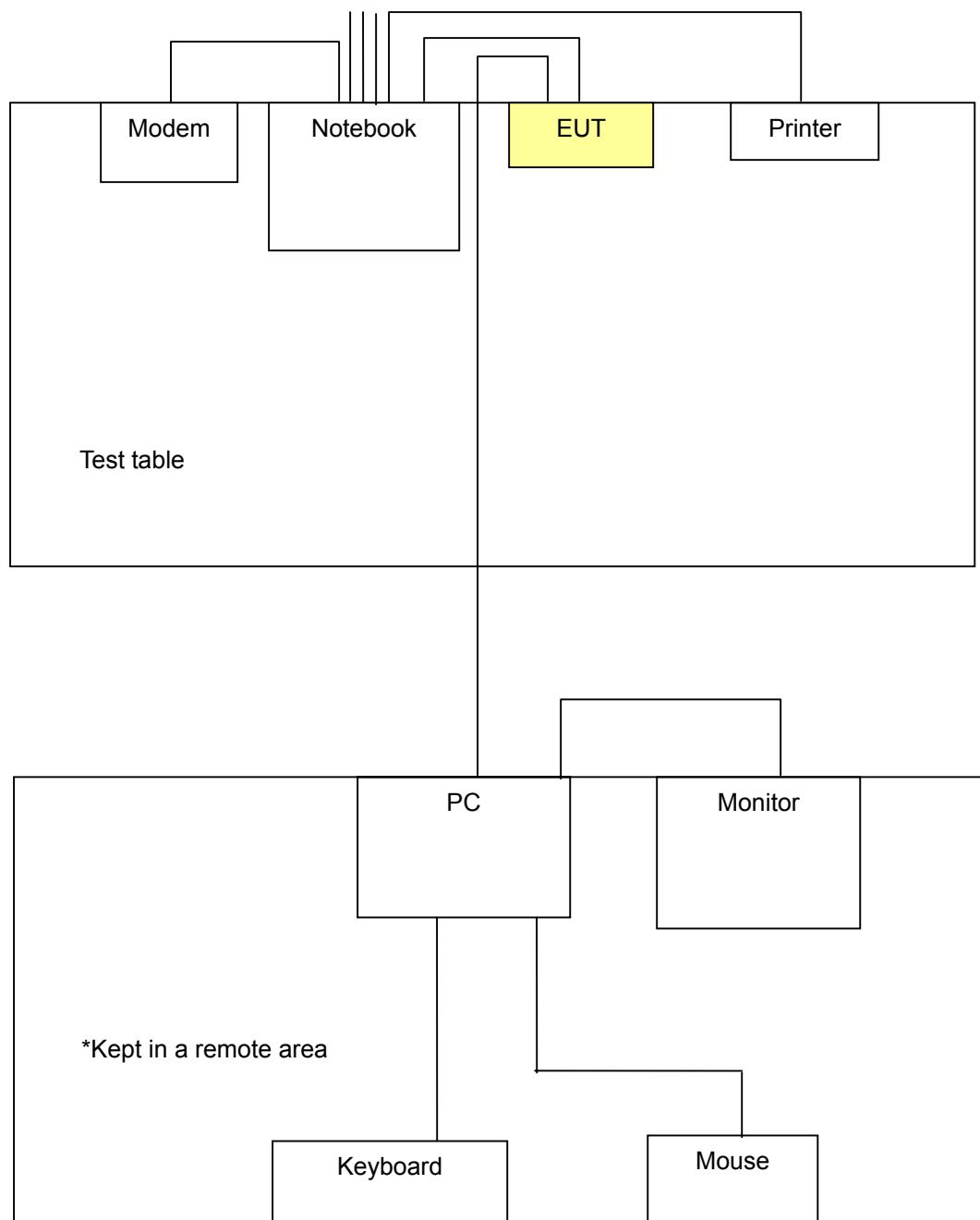
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	DELL	PP05L	16484462992	E2K24CLNS
2	PRINTER	EPSON	LQ-300+	DCGY054147	FCC DoC Approved
3	MODEM	ACEEX	1414V/3	0401008269	IFAXDM1414
4	PC	COMPAQ	D220M	SGH3330B9O	FCC DoC Approved
5	USB KEYBOARD	BTC	5200U	G09302046570	E5XKB5122U
6	LCD MONITOR	ACER	AL1721	ET.L0408.01040 4001E6PK00	FCC DoC Approved
7	MOUSE	GENUINE	MS16	688031002104	FCC DoC Approved

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.2m shielded cable without core
3	1.2m shielded cable without core
4	NA
5	1.5m shielded cable without core
6	1.8m shielded cable without core
7	NA

NOTE: 1. All power cords of the above support units are non shielded (1.8m).

2. Item 4 ~ 7 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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	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	847265/023	Oct. 22, 2004
LISN ROHDE & SCHWARZ	ESH3-Z5	100220	Dec. 10, 2004
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.



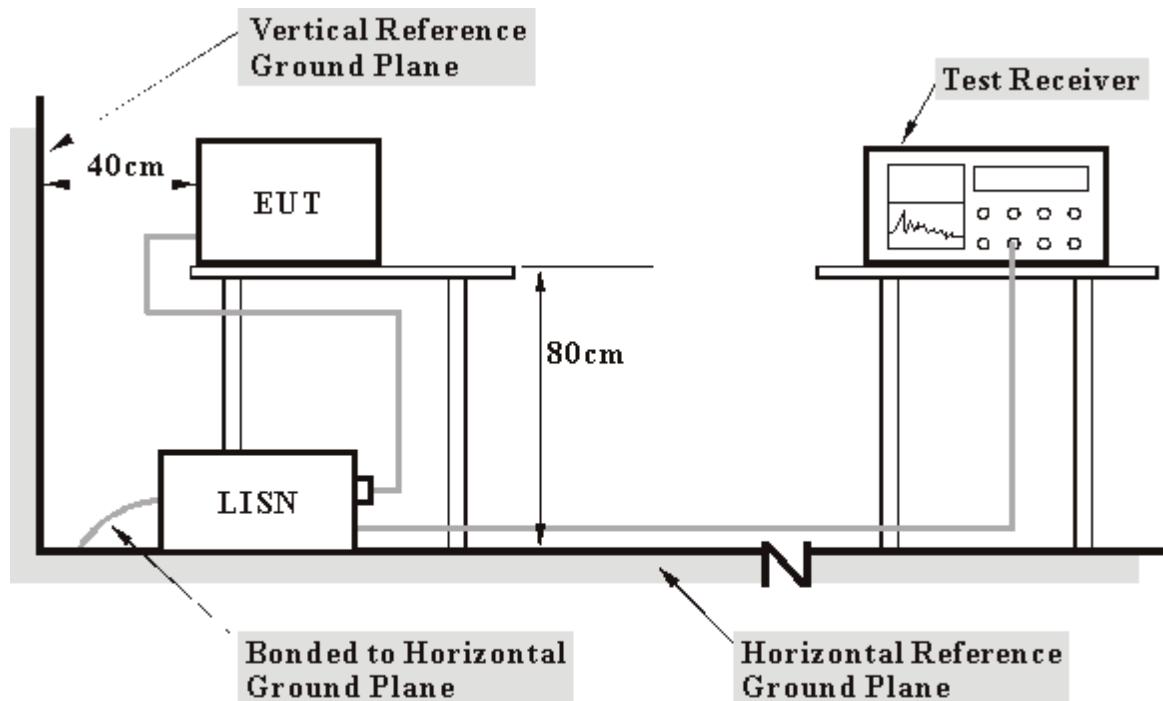
4.1.3 TEST PROCEDURES

- 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 computer 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 via an RJ45 cable.
- d. The communication partner sent data to EUT by command "PING".

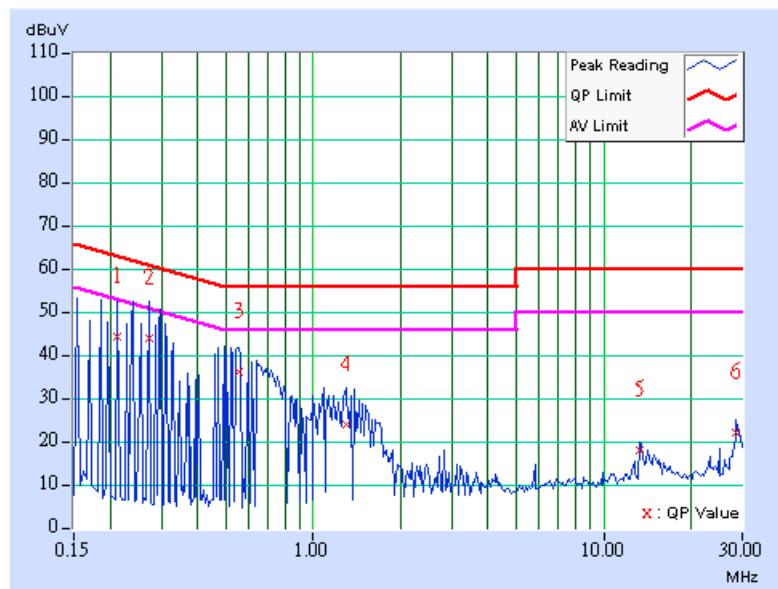
4.1.7 TEST RESULTS (A)

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	1	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa		TESTED BY: Match Tsui

No	Freq. [MHz]	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.213	0.12	43.19	-	43.31	-	63.11	53.11	-19.80	-
2	0.271	0.12	42.59	-	42.71	-	61.08	51.08	-18.37	-
3	0.556	0.13	35.05	-	35.18	-	56.00	46.00	-20.82	-
4	1.293	0.15	22.77	-	22.92	-	56.00	46.00	-33.08	-
5	13.359	0.62	16.82	-	17.44	-	60.00	50.00	-42.56	-
6	28.684	1.37	20.92	-	22.29	-	60.00	50.00	-37.71	-

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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	1	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa		TESTED BY: Match Tsui

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			[MHz]	Factor	[dB (uV)]	[dB (uV)]	[dB (uV)]	(dB)	Q.P.	AV.
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.11	42.40	-	42.51	-	63.75	53.75	-21.24	-
2	0.287	0.11	39.93	-	40.04	-	60.62	50.62	-20.58	-
3	0.498	0.12	31.15	-	31.27	-	56.40	46.04	-24.77	-
4	1.056	0.15	18.21	-	18.36	-	56.00	46.00	-37.64	-
5	13.359	0.52	13.20	-	13.72	-	60.00	50.00	-46.28	-
6	28.684	0.67	21.14	-	21.81	-	60.00	50.00	-38.19	-

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

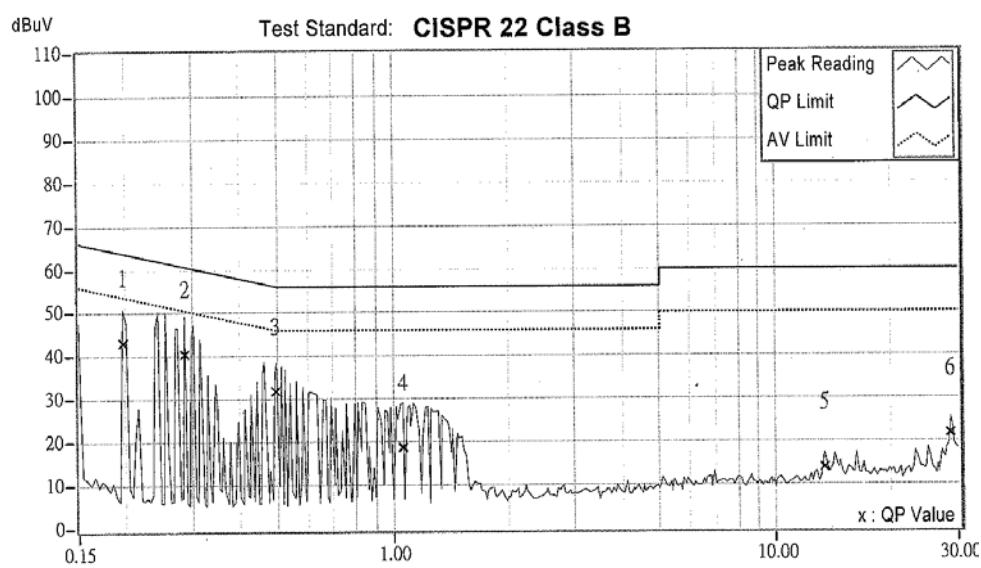
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.

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.

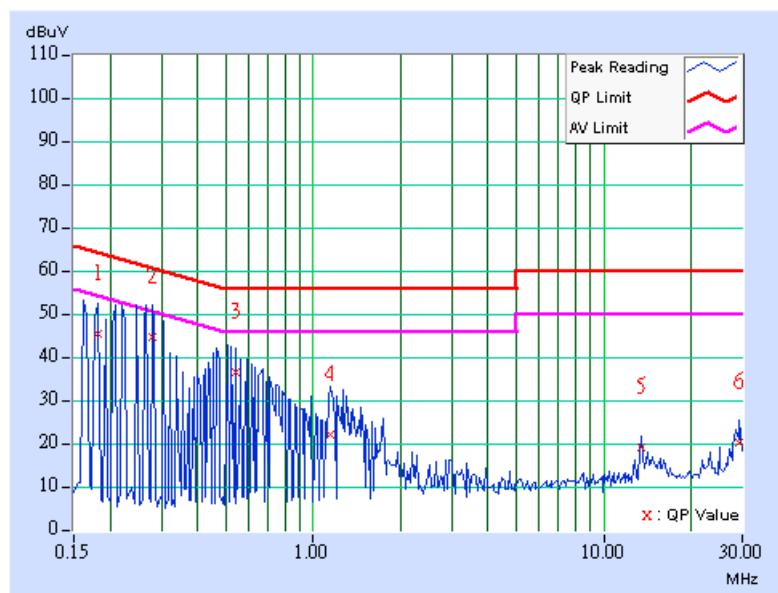


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	6	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa		TESTED BY: Match Tsui

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]	[dB (uV)]	[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.11	44.18	-	44.29	-	64.43	54.43	-20.13	-
2	0.279	0.12	43.49	-	43.61	-	60.85	50.85	-17.24	-
3	0.542	0.13	35.31	-	35.44	-	56.00	46.00	-20.56	-
4	1.142	0.15	20.65	-	20.80	-	56.00	46.00	-35.20	-
5	13.418	0.63	17.88	-	18.51	-	60.00	50.00	-41.49	-
6	29.234	1.41	18.80	-	20.21	-	60.00	50.00	-39.79	-

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.

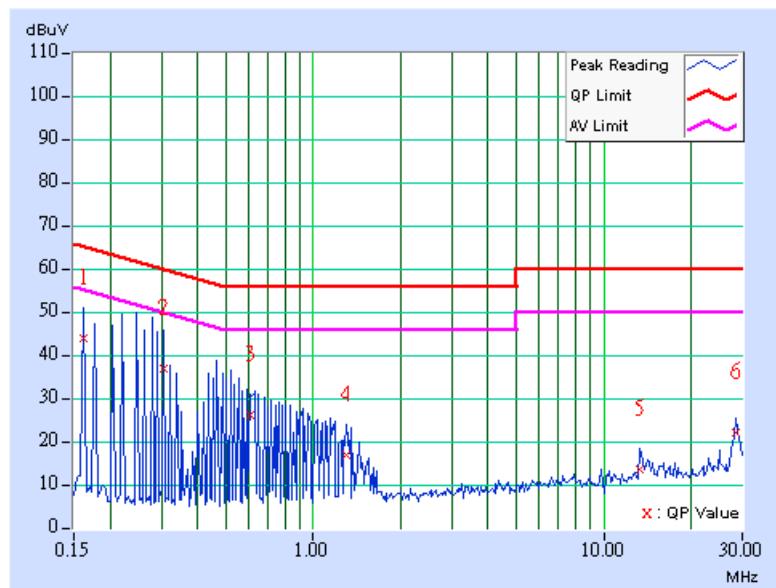


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	6	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25deg. C, 65% RH, 991 hPa	TESTED BY:	Match Tsui

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	0.10	43.50	-	43.60	-	65.38	55.38	-21.78	-
2	0.306	0.11	36.51	-	36.62	-	60.07	50.07	-23.45	-
3	0.607	0.12	25.75	-	25.87	-	56.00	46.00	-30.13	-
4	1.305	0.15	16.50	-	16.65	-	56.00	46.00	-39.35	-
5	13.359	0.52	13.04	-	13.56	-	60.00	50.00	-46.44	-
6	28.686	0.67	21.69	-	22.36	-	60.00	50.00	-37.64	-

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.

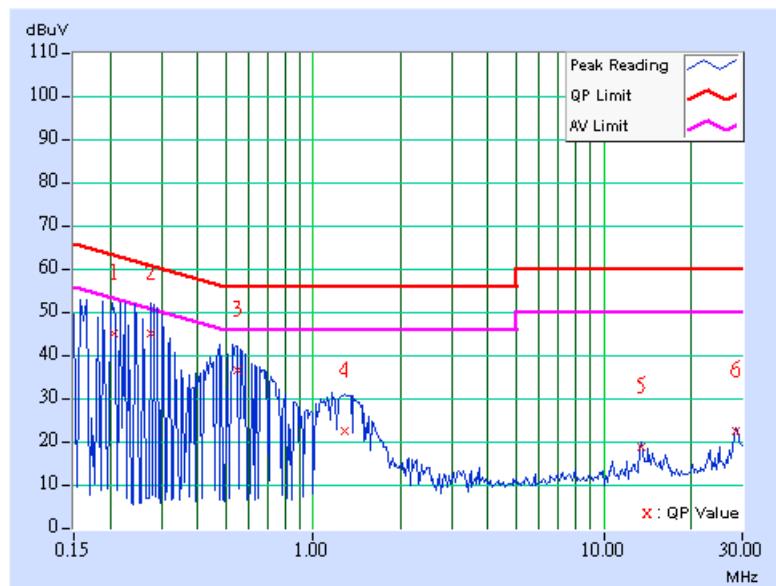


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa		TESTED BY: Match Tsui

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			Factor	[dB (uV)]	[dB (uV)]	[dB (uV)]	Q.P.	AV.	Q.P.	AV.
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.206	0.12	43.80	-	43.92	-	63.36	53.36	-19.44	-
2	0.277	0.12	43.69	-	43.81	-	60.91	50.91	-17.10	-
3	0.548	0.13	35.15	-	35.28	-	56.00	46.00	-20.72	-
4	1.285	0.15	21.31	-	21.46	-	56.00	46.00	-34.54	-
5	13.418	0.63	17.35	-	17.98	-	60.00	50.00	-42.02	-
6	28.684	1.37	21.20	-	22.57	-	60.00	50.00	-37.43	-

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.

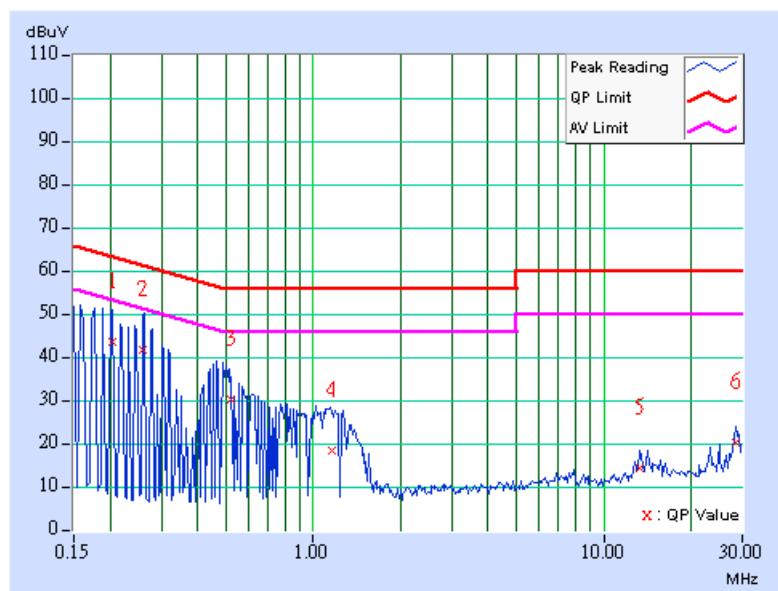


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Netural (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa	TESTED BY:	Match Tsui

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.205	0.11	42.94	-	43.05	-	63.42	53.42	-20.37	-
2	0.259	0.11	41.33	-	41.44	-	61.45	51.45	-20.01	-
3	0.521	0.12	29.88	-	30.00	-	56.00	46.00	-26.00	-
4	1.157	0.15	17.71	-	17.86	-	56.00	46.00	-38.14	-
5	13.359	0.52	13.95	-	14.47	-	60.00	50.00	-45.53	-
6	28.684	0.67	19.57	-	20.24	-	60.00	50.00	-39.76	-

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.



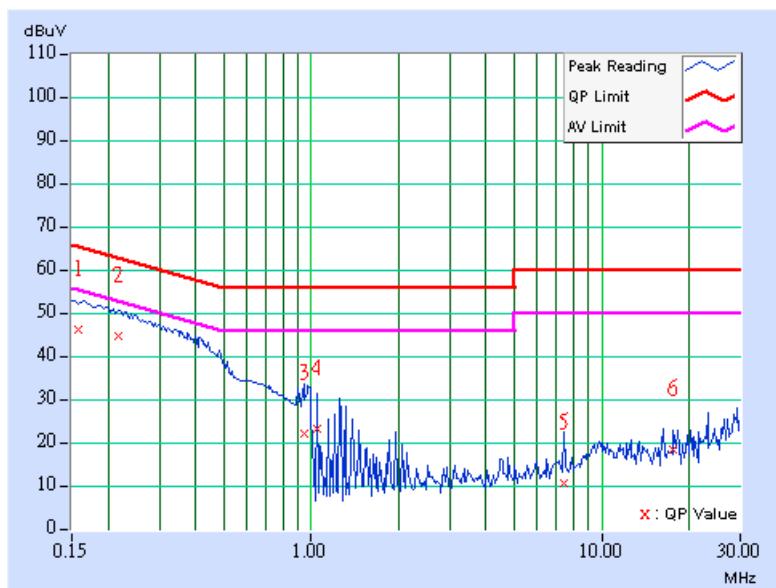
4.1.8 TEST RESULTS (B)

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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		TESTED BY: Leo Hung

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]	[dB (uV)]	[dB (uV)]	[dB (uV)]	[dB (uV)]	[dB (uV)]	(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.11	45.36	-	45.47	-	65.58	55.58	-20.11	-
2	0.216	0.12	43.80	-	43.92	-	62.96	52.96	-19.04	-
3	0.943	0.15	21.42	-	21.57	-	56.00	46.00	-34.43	-
4	1.043	0.15	22.34	-	22.49	-	56.00	46.00	-33.51	-
5	7.449	0.30	9.67	-	9.97	-	60.00	50.00	-50.03	-
6	17.691	0.91	17.77	-	18.68	-	60.00	50.00	-41.32	-

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.

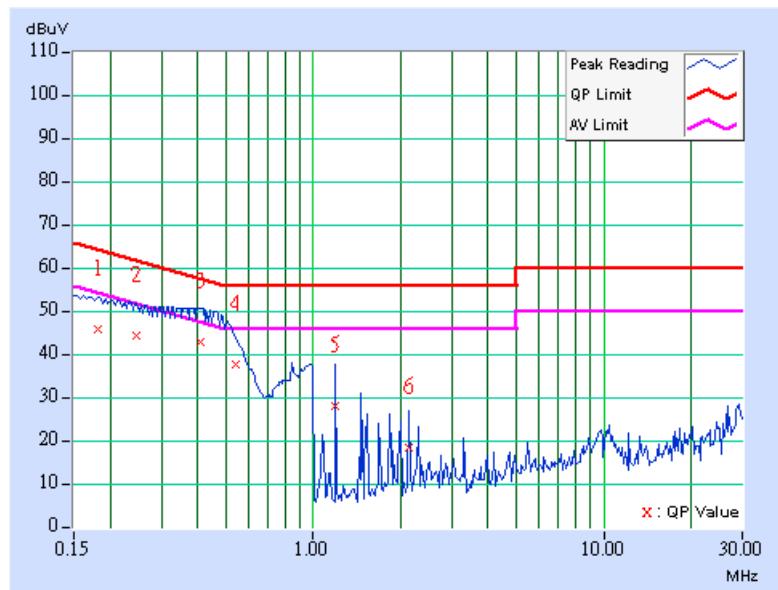


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	1	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa		TESTED BY: Leo Hung

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]	[dB (uV)]	[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.11	45.88	-	45.99	-	64.43	54.43	-18.44	-
2	0.248	0.11	44.13	-	44.24	-	61.84	51.84	-17.59	-
3	0.408	0.12	42.65	-	42.77	-	57.69	47.69	-14.93	-
4	0.545	0.12	37.77	-	37.89	-	56.00	46.00	-18.11	-
5	1.188	0.15	27.87	-	28.02	-	56.00	46.00	-27.98	-
6	2.145	0.16	18.40	-	18.56	-	56.00	46.00	-37.44	-

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.

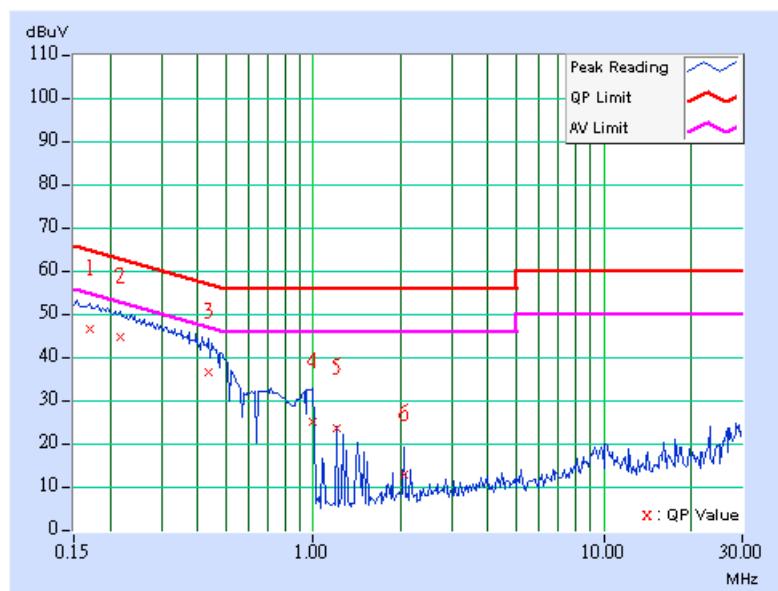


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	6	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa		TESTED BY: Leo Hung

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]	[dB (uV)]	[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.170	0.11	46.68	-	46.79	-	64.98	54.98	-18.19	-
2	0.216	0.12	44.68	-	44.80	-	62.96	52.96	-18.16	-
3	0.435	0.13	36.64	-	36.77	-	57.15	47.15	-20.39	-
4	0.990	0.15	25.18	-	25.33	-	56.00	46.00	-30.67	-
5	1.211	0.15	23.48	-	23.63	-	56.00	46.00	-32.37	-
6	2.047	0.16	12.92	-	13.08	-	56.00	46.00	-42.92	-

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.

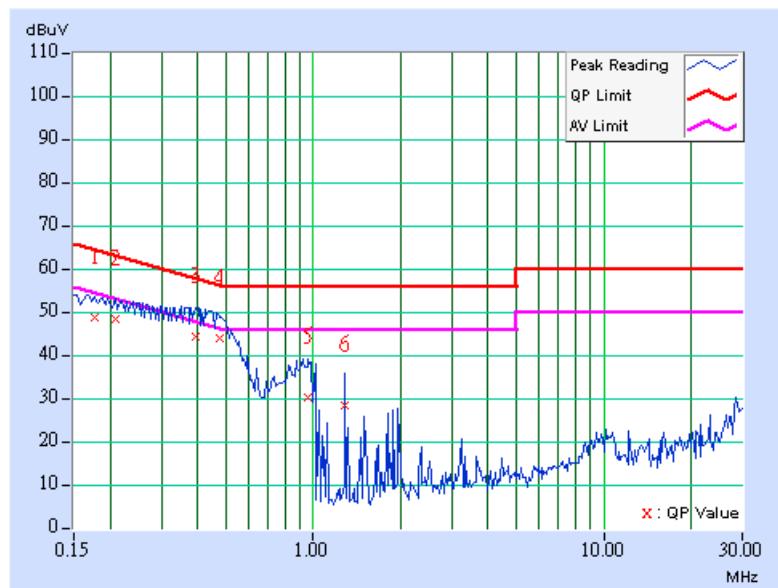


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	6	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa		TESTED BY: Leo Hung

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			Factor	[dB (uV)]	[dB (uV)]	[dB (uV)]	Q.P.	AV.	Q.P.	AV.
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.11	48.64	-	48.75	-	64.61	54.61	-15.86	-
2	0.209	0.11	48.20	-	48.31	-	63.26	53.26	-14.95	-
3	0.392	0.12	44.40	-	44.52	-	58.02	48.02	-13.50	-
4	0.474	0.12	43.86	-	43.98	-	56.44	46.44	-12.46	-
5	0.963	0.15	30.30	-	30.45	-	56.00	46.00	-25.55	-
6	1.285	0.15	28.50	-	28.65	-	56.00	46.00	-27.35	-

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.

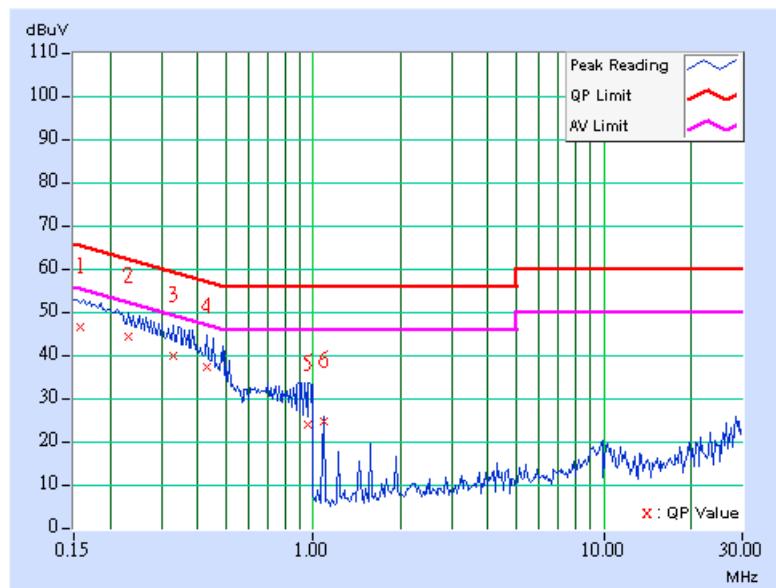


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa		TESTED BY: Leo Hung

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			Factor	[dB (uV)]	[dB (uV)]	[dB (uV)]	Q.P.	AV.	Q.P.	AV.
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.11	46.36	-	46.47	-	65.58	55.58	-19.11	-
2	0.232	0.12	44.32	-	44.44	-	62.38	52.38	-17.94	-
3	0.330	0.12	39.82	-	39.94	-	59.46	49.46	-19.51	-
4	0.431	0.13	37.32	-	37.45	-	57.23	47.23	-19.78	-
5	0.959	0.15	23.82	-	23.97	-	56.00	46.00	-32.03	-
6	1.086	0.15	24.80	-	24.95	-	56.00	46.00	-31.05	-

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.

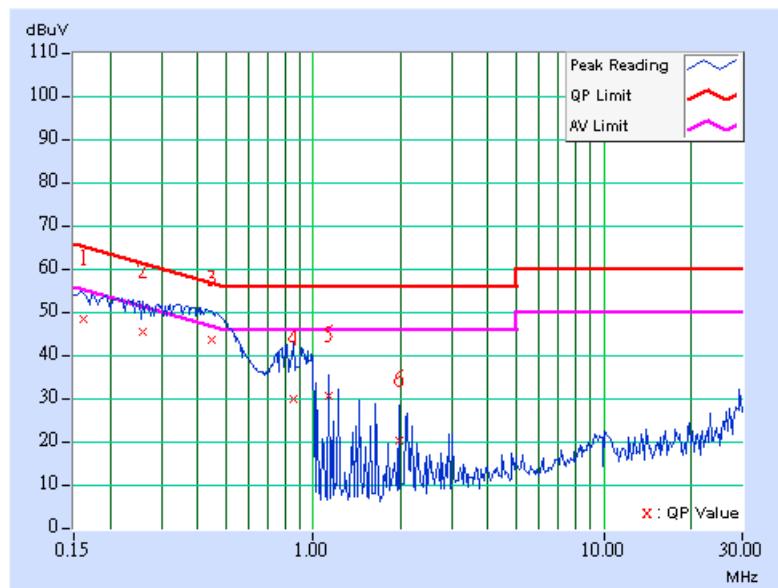


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	PHASE	Netural (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 64% RH, 991 hPa		TESTED BY: Leo Hung

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			Factor	[dB (uV)]	[dB (uV)]	[dB (uV)]	Q.P.	AV.	Q.P.	AV.
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	0.10	48.26	-	48.36	-	65.38	55.38	-17.01	-
2	0.259	0.11	45.56	-	45.67	-	61.45	51.45	-15.78	-
3	0.447	0.12	43.66	-	43.78	-	56.93	46.93	-13.16	-
4	0.853	0.14	29.72	-	29.86	-	56.00	46.00	-26.14	-
5	1.133	0.15	30.60	-	30.75	-	56.00	46.00	-25.25	-
6	1.973	0.16	20.22	-	20.38	-	56.00	46.00	-35.62	-

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 (dB_BV/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	ESIB7	100188	Jan. 13, 2005
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Dec. 15, 2004
BILOG Antenna SCHWARZBECK	VULB9168	9168-157	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-407	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170241	Feb. 23, 2005
Preamplifier Agilent	8449B	3008A01961	Jan. 22, 2005
Preamplifier Agilent	8447D	2944A10629	Jan. 14, 2005
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218182/4	Mar. 04, 2005
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218194/4	Mar. 04, 2005
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower ADT.	AT100	AT93021702	NA
Turn Table ADT.	TT100.	TT93021702	NA
Controller ADT.	SC100.	SC93021702	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 1.
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 IC4924-2.



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.

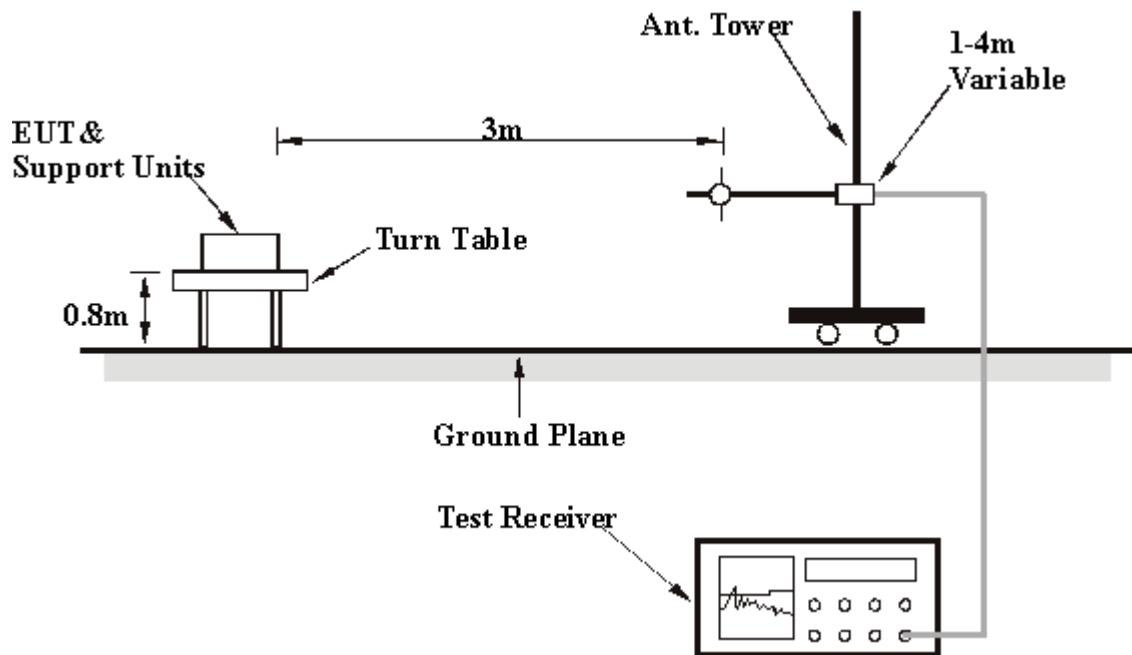
NOTE:

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 (A)

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	FREQUENCY RANGE	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26 deg. C, 68% RH, 991 hPa	TESTED BY:	Match Tsui

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	99.98	32.64 QP	43.50	-10.86	2.00 H	73	21.67	10.98
2	201.06	41.46 QP	43.50	-2.04	2.00 H	100	30.05	11.41
3	225.98	39.86 QP	46.00	-6.14	1.50 H	103	27.65	12.21
4	249.66	43.51 QP	46.00	-2.49	1.00 H	94	30.29	13.22
5	300.00	42.13 QP	46.00	-3.87	1.50 H	103	27.63	14.50
6	325.47	40.24 QP	46.00	-5.76	1.00 H	154	25.16	15.09
7	350.74	43.06 QP	46.00	-2.94	1.00 H	46	27.39	15.67
8	376.01	39.52 QP	46.00	-6.48	1.00 H	358	23.30	16.22
9	401.28	42.28 QP	46.00	-3.72	1.00 H	46	25.50	16.78
10	500.42	43.14 QP	46.00	-2.86	2.00 H	172	24.40	18.74
11	550.96	36.49 QP	46.00	-9.51	1.50 H	10	16.78	19.72
12	601.50	41.59 QP	46.00	-4.41	1.50 H	352	20.56	21.03
13	700.64	40.07 QP	46.00	-5.93	2.50 H	205	17.75	22.32
14	801.72	39.55 QP	46.00	-6.45	1.00 H	139	15.72	23.83
15	900.86	42.72 QP	46.00	-3.28	1.50 H	40	17.60	25.12

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	FREQUENCY RANGE	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26 deg. C, 68% RH, 991 hPa	TESTED BY:	Match Tsui

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	59.16	37.49 QP	40.00	-2.51	1.00 V	295	23.69	13.79
2	99.98	35.47 QP	43.50	-8.03	1.50 V	223	24.49	10.98
3	142.75	39.08 QP	43.50	-4.42	1.00 V	16	24.59	14.48
4	185.51	35.98 QP	43.50	-7.52	1.00 V	139	23.45	12.53
5	201.06	39.63 QP	43.50	-3.87	1.00 V	217	28.21	11.41
6	249.66	40.51 QP	46.00	-5.49	1.00 V	223	27.30	13.22
7	274.93	37.98 QP	46.00	-8.02	1.00 V	142	24.00	13.98
8	300.20	44.53 QP	46.00	-1.47	1.50 V	337	30.02	14.50
9	325.47	39.11 QP	46.00	-6.89	1.50 V	286	24.02	15.09
10	350.74	39.84 QP	46.00	-6.16	1.50 V	331	24.17	15.67
11	376.01	42.58 QP	46.00	-3.42	1.00 V	322	26.36	16.22
12	401.28	39.76 QP	46.00	-6.24	1.00 V	322	22.97	16.78
13	500.42	41.91 QP	46.00	-4.09	1.00 V	259	23.17	18.74
14	601.50	35.38 QP	46.00	-10.62	1.50 V	40	14.35	21.03
15	700.64	39.29 QP	46.00	-6.71	1.50 V	346	16.97	22.32
16	900.86	41.91 QP	46.00	-4.09	1.50 V	124	16.79	25.12

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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 (B)

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	FREQUENCY RANGE	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26 deg. C, 68% RH, 991 hPa	TESTED BY:	Match Tsui

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	99.98	31.68 QP	43.50	-11.82	2.00 H	76	20.71	10.98
2	201.06	38.31 QP	43.50	-5.19	2.00 H	70	26.90	11.41
3	226.33	42.99 QP	46.00	-3.01	1.00 H	46	30.76	12.23
4	250.00	39.76 QP	46.00	-6.24	1.49 H	77	26.54	13.22
5	300.00	41.77 QP	46.00	-4.23	1.49 H	77	27.27	14.50
6	325.47	39.78 QP	46.00	-6.22	1.00 H	160	24.70	15.09
7	350.74	41.70 QP	46.00	-4.30	1.00 H	31	26.03	15.67
8	375.00	37.21 QP	46.00	-8.79	1.49 H	77	21.01	16.20
9	401.28	41.91 QP	46.00	-4.09	2.50 H	25	25.13	16.78
10	500.42	43.16 QP	46.00	-2.84	1.50 H	4	24.42	18.74
11	550.96	38.49 QP	46.00	-7.51	1.50 H	1	18.78	19.72
12	601.50	41.32 QP	46.00	-4.68	1.50 H	349	20.29	21.03
13	700.64	40.13 QP	46.00	-5.87	1.00 H	322	17.82	22.32
14	801.72	39.09 QP	46.00	-6.91	1.00 H	151	15.26	23.83
15	900.86	41.16 QP	46.00	-4.84	1.50 H	40	16.04	25.12

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
CHANNEL	11	FREQUENCY RANGE	Below 1000 MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26 deg. C, 68% RH, 991 hPa	TESTED BY:	Match Tsui

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	61.10	33.67 QP	40.00	-6.33	1.00 V	148	20.08	13.59
2	99.98	35.30 QP	43.50	-8.20	1.00 V	238	24.33	10.98
3	125.25	36.69 QP	43.50	-6.81	1.00 V	37	23.29	13.39
4	201.06	38.05 QP	43.50	-5.45	1.00 V	106	26.63	11.41
5	249.66	41.67 QP	46.00	-4.33	1.00 V	202	28.46	13.22
6	274.93	36.24 QP	46.00	-9.76	1.50 V	316	22.26	13.98
7	300.20	43.39 QP	46.00	-2.61	1.50 V	292	28.89	14.50
8	325.47	37.31 QP	46.00	-8.69	1.50 V	325	22.23	15.09
9	325.47	37.31 QP	46.00	-8.69	1.50 V	325	22.23	15.09
10	350.74	39.32 QP	46.00	-6.68	1.50 V	319	23.65	15.67
11	375.00	44.08 QP	46.00	-1.92	1.20 V	274	27.88	16.20
12	500.42	40.63 QP	46.00	-5.37	1.00 V	229	21.89	18.74
13	601.50	35.66 QP	46.00	-10.34	1.50 V	40	14.63	21.03
14	700.64	39.62 QP	46.00	-6.38	1.50 V	208	17.30	22.32
15	900.86	41.26 QP	46.00	-4.74	1.50 V	127	16.14	25.12

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
 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.



4.2.9 TEST RESULTS

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	CCK
TESTED BY	Match Tsui		

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	1608.00	44.40 PK	74.00	-29.60	1.00 H	46	16.56	27.85
1	1608.00	42.18 AV	54.00	-11.82	1.00 H	46	14.34	27.85
2	2390.00	34.26 PK	74.00	-39.74	1.55 H	226	3.55	30.71
2	2390.00	29.37 AV	54.00	-24.63	1.55 H	226	-1.34	30.71
3	*2412.00	93.39 PK			1.55 H	226	62.59	30.80
3	*2412.00	88.50 AV			1.55 H	226	57.70	30.80
4	3216.00	54.49 PK	74.00	-19.51	1.00 H	19	21.85	32.64
4	3216.00	51.10 AV	54.00	-2.90	1.00 H	19	18.46	32.64
5	4824.00	50.47 PK	74.00	-23.53	1.00 H	318	13.89	36.58
5	4824.00	43.52 AV	54.00	-10.48	1.00 H	318	6.94	36.58

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	1608.00	50.97 PK	74.00	-23.03	1.04 V	273	23.13	27.85
1	1608.00	42.71 AV	54.00	-11.29	1.04 V	273	14.87	27.85
2	2390.00	48.39 PK	74.00	-25.61	1.38 V	254	17.68	30.71
2	2390.00	43.85 AV	54.00	-10.15	1.38 V	254	13.14	30.71
3	*2412.00	107.52 PK			1.38 V	254	76.72	30.80
3	*2412.00	100.85 AV			1.38 V	254	70.05	30.80
4	3216.00	60.23 PK	74.00	-13.77	1.03 V	224	27.59	32.64
5	4824.00	54.52 PK	74.00	-19.48	1.00 V	16	17.94	36.58
5	4824.00	50.32 AV	54.00	-3.68	1.00 V	16	13.74	36.58
6	9648.00	54.20 PK	74.00	-19.80	1.00 V	334	12.08	42.12
6	9648.00	46.25 AV	54.00	-7.75	1.00 V	334	4.13	42.12

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	CCK
TESTED BY	Match Tsui		

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	1624.00	45.32 PK	74.00	-28.68	1.00 H	285	17.45	27.87
1	1624.00	40.23 AV	54.00	-13.77	1.00 H	285	12.36	27.87
2	*2437.00	97.85 PK			1.07 H	25	66.95	30.90
2	*2437.00	91.05 AV			1.07 H	25	60.15	30.90
3	3248.00	52.11 PK	74.00	-21.89	1.00 H	25	19.51	32.60
3	3248.00	48.12 AV	54.00	-5.88	1.00 H	25	15.52	32.60
4	4874.00	51.77 PK	74.00	-22.23	1.00 H	82	15.01	36.76
4	4874.00	45.35 AV	54.00	-8.65	1.00 H	82	8.59	36.76

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	1624.00	47.48 PK	74.00	-26.52	1.12 V	284	19.61	27.87
1	1624.00	41.01 AV	54.00	-12.99	1.12 V	284	13.14	27.87
2	*2437.00	109.58 PK			1.11 V	76	78.68	30.90
2	*2437.00	102.90 AV			1.11 V	76	72.00	30.90
3	3248.00	56.13 PK	74.00	-17.87	1.37 V	117	23.53	32.60
3	3248.00	53.91 AV	54.00	-0.09	1.37 V	117	21.31	32.60
4	4874.00	53.47 PK	74.00	-20.53	1.11 V	37	16.71	36.76
4	4874.00	48.67 AV	54.00	-5.33	1.11 V	37	11.91	36.76

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	CCK
TESTED BY	Match Tsui		

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	1642.00	45.98 PK	74.00	-28.02	1.00 H	119	18.07	27.91
1	1642.00	42.43 AV	54.00	-11.57	1.00 H	119	14.52	27.91
2	*2462.00	97.42 PK			1.33 H	25	66.43	30.99
2	*2462.00	90.54 AV			1.33 H	25	59.55	30.99
3	2483.50	40.93 PK	74.00	-33.07	1.33 H	25	9.86	31.07
3	2483.50	34.05 AV	54.00	-19.95	1.33 H	25	2.98	31.07
4	3282.00	51.12 PK	74.00	-22.88	1.00 H	23	18.55	32.57
4	3282.00	46.90 AV	54.00	-7.10	1.00 H	23	14.33	32.57
5	4924.00	51.69 PK	74.00	-22.31	1.01 H	244	14.72	36.97
5	4924.00	45.34 AV	54.00	-8.66	1.01 H	244	8.37	36.97

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	1642.00	46.11 PK	74.00	-27.89	1.02 V	161	18.20	27.91
1	1642.00	42.19 AV	54.00	-11.81	1.02 V	161	14.28	27.91
2	*2462.00	108.05 PK			1.06 V	101	77.06	30.99
2	*2462.00	101.33 AV			1.06 V	101	70.34	30.99
3	2483.50	51.56 PK	74.00	-22.44	1.06 V	101	20.49	31.07
3	2483.50	45.84 AV	54.00	-8.16	1.06 V	101	14.77	31.07
4	3282.00	56.82 PK	74.00	-17.18	1.01 V	165	24.25	32.57

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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

FCC ID: GSS-VS10276



EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	OFDM
TESTED BY	Match Tsui		

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	1608.00	46.55 PK	74.00	-27.45	1.00 H	229	18.71	27.85
1	1608.00	41.96 AV	54.00	-12.04	1.00 H	229	14.12	27.85
2	2390.00	40.30 PK	74.00	-33.70	1.36 H	210	9.59	30.71
2	2390.00	33.92 AV	54.00	-20.08	1.36 H	210	3.21	30.71
3	*2412.00	95.92 PK			1.36 H	210	65.12	30.80
3	*2412.00	89.54 AV			1.36 H	210	58.74	30.80
4	3216.00	52.86 PK	74.00	-21.14	1.18 H	197	20.22	32.64
4	3216.00	49.35 AV	54.00	-4.65	1.18 H	197	16.71	32.64
5	4824.00	49.05 PK	74.00	-24.95	1.00 H	147	12.47	36.58
5	4824.00	37.88 AV	54.00	-16.12	1.00 H	147	1.30	36.58

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	1608.00	47.23 PK	74.00	-26.77	1.11 V	130	19.39	27.85
1	1608.00	42.08 AV	54.00	-11.92	1.11 V	130	14.24	27.85
2	2390.00	49.69 PK	74.00	-24.31	1.18 V	147	18.98	30.71
2	2390.00	43.38 AV	54.00	-10.62	1.18 V	147	12.67	30.71
3	*2412.00	105.31 PK			1.18 V	147	74.51	30.80
3	*2412.00	99.00 AV			1.18 V	147	68.20	30.80
4	3216.00	57.41 PK	74.00	-16.59	1.11 V	177	24.77	32.64

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	OFDM
TESTED BY	Match Tsui		

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	1624.00	46.55 PK	74.00	-27.45	1.00 H	286	18.68	27.87
1	1624.00	41.64 AV	54.00	-12.36	1.00 H	286	13.77	27.87
2	*2437.00	94.94 PK			1.34 H	34	64.04	30.90
2	*2437.00	88.51 AV			1.34 H	34	57.61	30.90
3	3248.00	52.27 PK	74.00	-21.73	1.00 H	19	19.67	32.60
3	3248.00	48.16 AV	54.00	-5.84	1.00 H	19	15.56	32.60
4	4874.00	47.57 PK	74.00	-26.43	1.01 H	81	10.81	36.76
4	4874.00	39.60 AV	54.00	-14.40	1.01 H	81	2.84	36.76

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	1624.00	45.95 PK	74.00	-28.05	1.07 V	278	18.08	27.87
1	1624.00	40.78 AV	54.00	-13.22	1.07 V	278	12.91	27.87
2	*2437.00	105.35 PK			1.09 V	73	74.45	30.90
2	*2437.00	99.33 AV			1.09 V	73	68.43	30.90
3	3248.00	57.16 PK	74.00	-16.84	1.00 V	80	24.56	32.60
4	4874.00	49.68 PK	74.00	-24.32	1.07 V	36	12.92	36.76
4	4874.00	43.04 AV	54.00	-10.96	1.07 V	36	6.28	36.76

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	ViewSonic Wireless 802.11g Router	MODEL	VS10276
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, 66% RH, 991 hPa	TEST MODE	OFDM
TESTED BY	Match Tsui		

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	1642.00	46.26 PK	74.00	-27.74	1.00 H	116	18.35	27.91
1	1642.00	42.45 AV	54.00	-11.55	1.00 H	116	14.54	27.91
2	*2462.00	93.61 PK			1.34 H	27	62.62	30.99
2	*2462.00	87.36 AV			1.34 H	27	56.37	30.99
3	2483.50	41.16 PK	74.00	-32.84	1.34 H	27	10.09	31.07
3	2483.50	34.91 AV	54.00	-19.09	1.34 H	27	3.84	31.07
4	3282.00	49.88 PK	74.00	-24.12	1.00 H	21	17.31	32.57
4	3282.00	44.99 AV	54.00	-9.01	1.00 H	21	12.42	32.57
5	4924.00	47.67 PK	74.00	-26.33	1.03 H	246	10.70	36.97
5	4924.00	38.93 AV	54.00	-15.07	1.03 H	246	1.96	36.97

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	1642.00	44.76 PK	74.00	-29.24	1.09 V	309	16.85	27.91
1	1642.00	40.99 AV	54.00	-13.01	1.09 V	309	13.08	27.91
2	*2462.00	102.43 PK			1.35 V	75	71.44	30.99
2	*2462.00	96.32 AV			1.35 V	75	65.33	30.99
3	2483.50	49.98 PK	74.00	-24.02	1.35 V	75	18.91	31.07
3	2483.50	44.87 AV	54.00	-9.13	1.35 V	75	13.80	31.07
4	3282.00	53.23 PK	74.00	-20.77	1.05 V	320	20.66	32.57
4	3282.00	50.24 AV	54.00	-3.76	1.05 V	320	17.67	32.57
5	4924.00	49.52 PK	74.00	-24.48	1.19 V	40	12.55	36.97
5	4924.00	44.76 AV	54.00	-9.24	1.19 V	40	7.79	36.97

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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, 2004

NOTE:

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



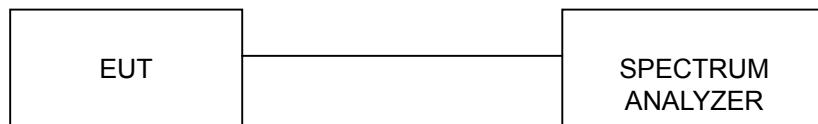
4.3.3 TEST PROCEDURE

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.

FCC ID: GSS-VS10276



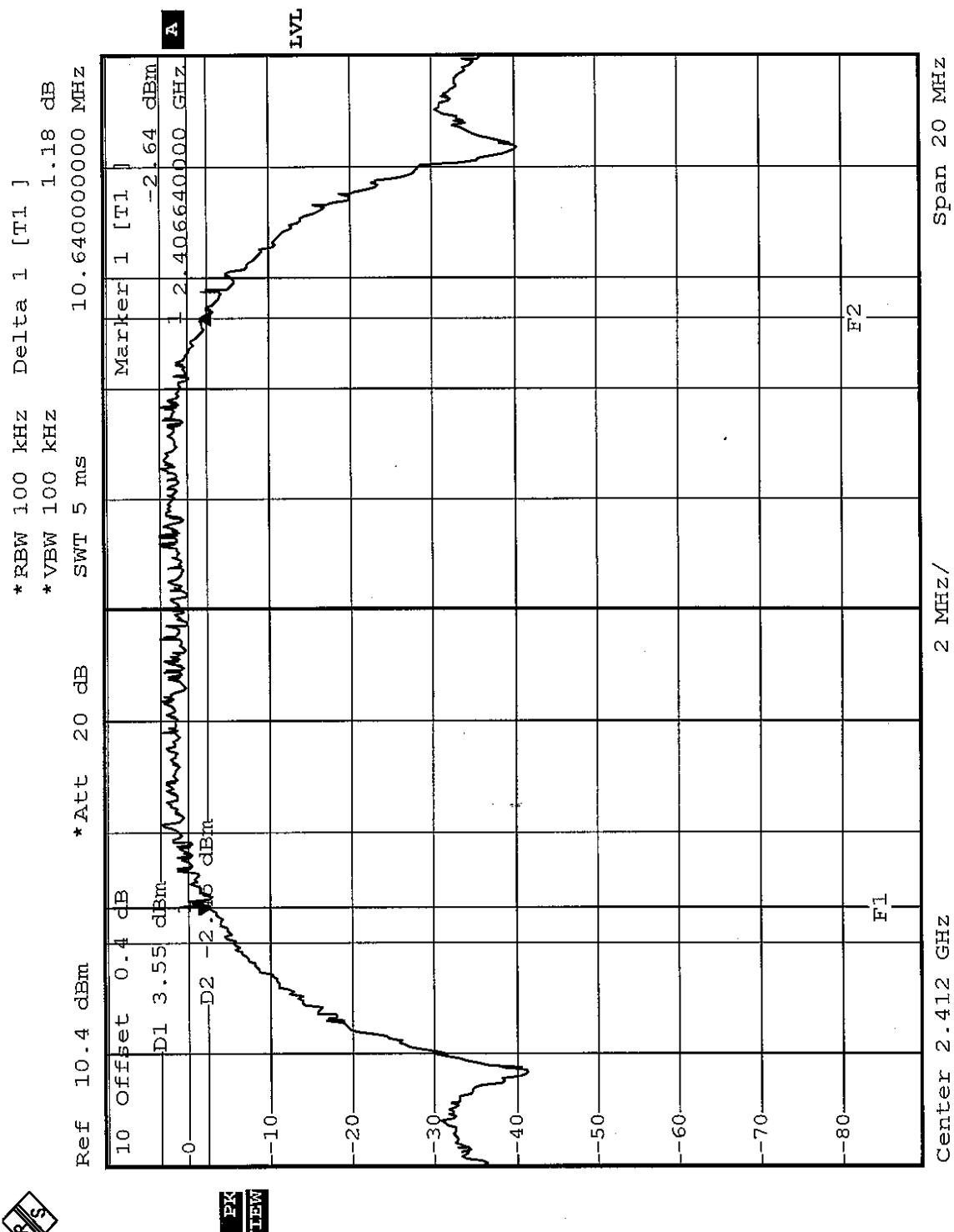
4.3.7 TEST RESULTS

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa
TEST MODE	CCK	TESTED BY	Match Tsui

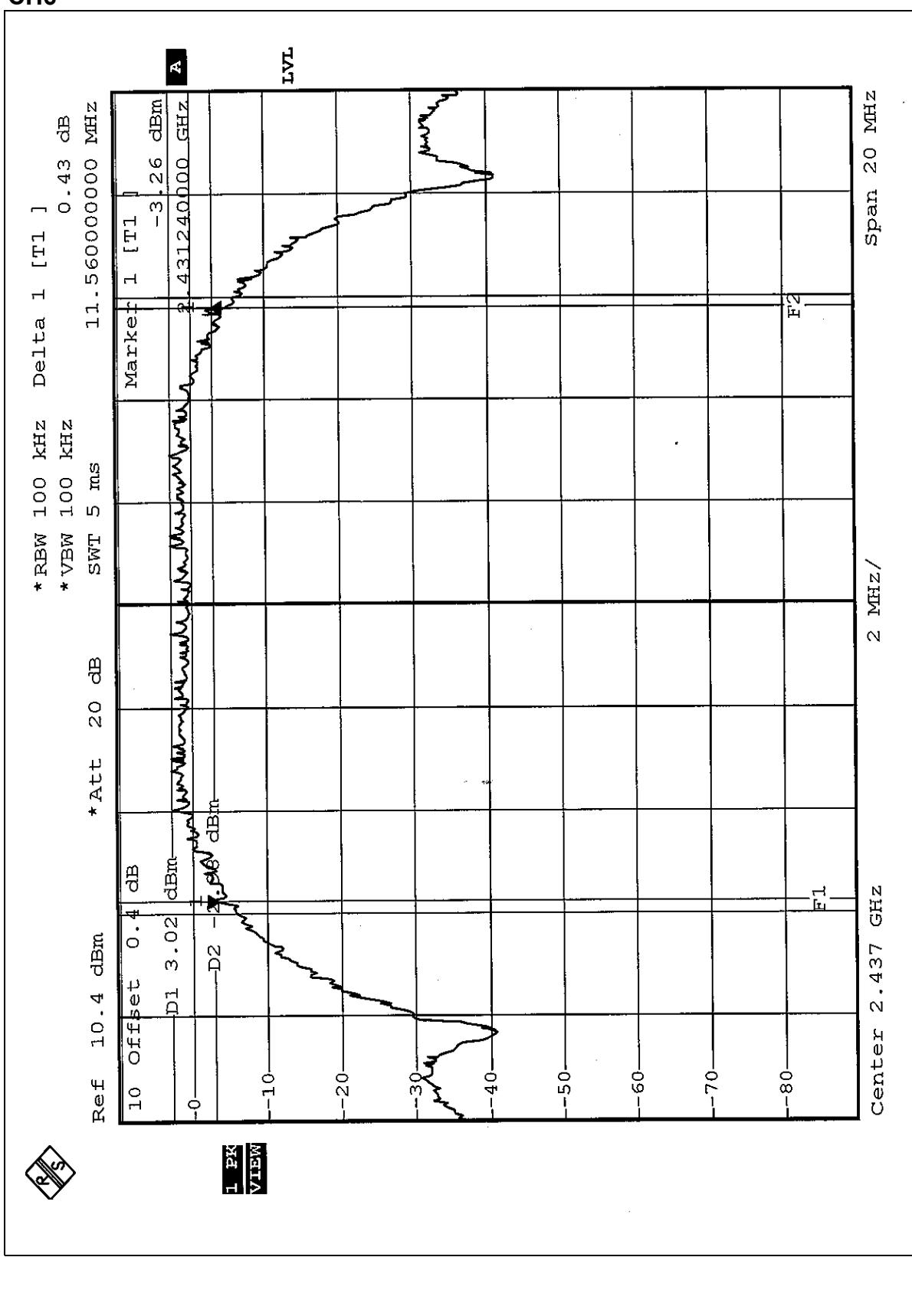
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	10.64	0.5	PASS
6	2437	11.56	0.5	PASS
11	2462	10.76	0.5	PASS



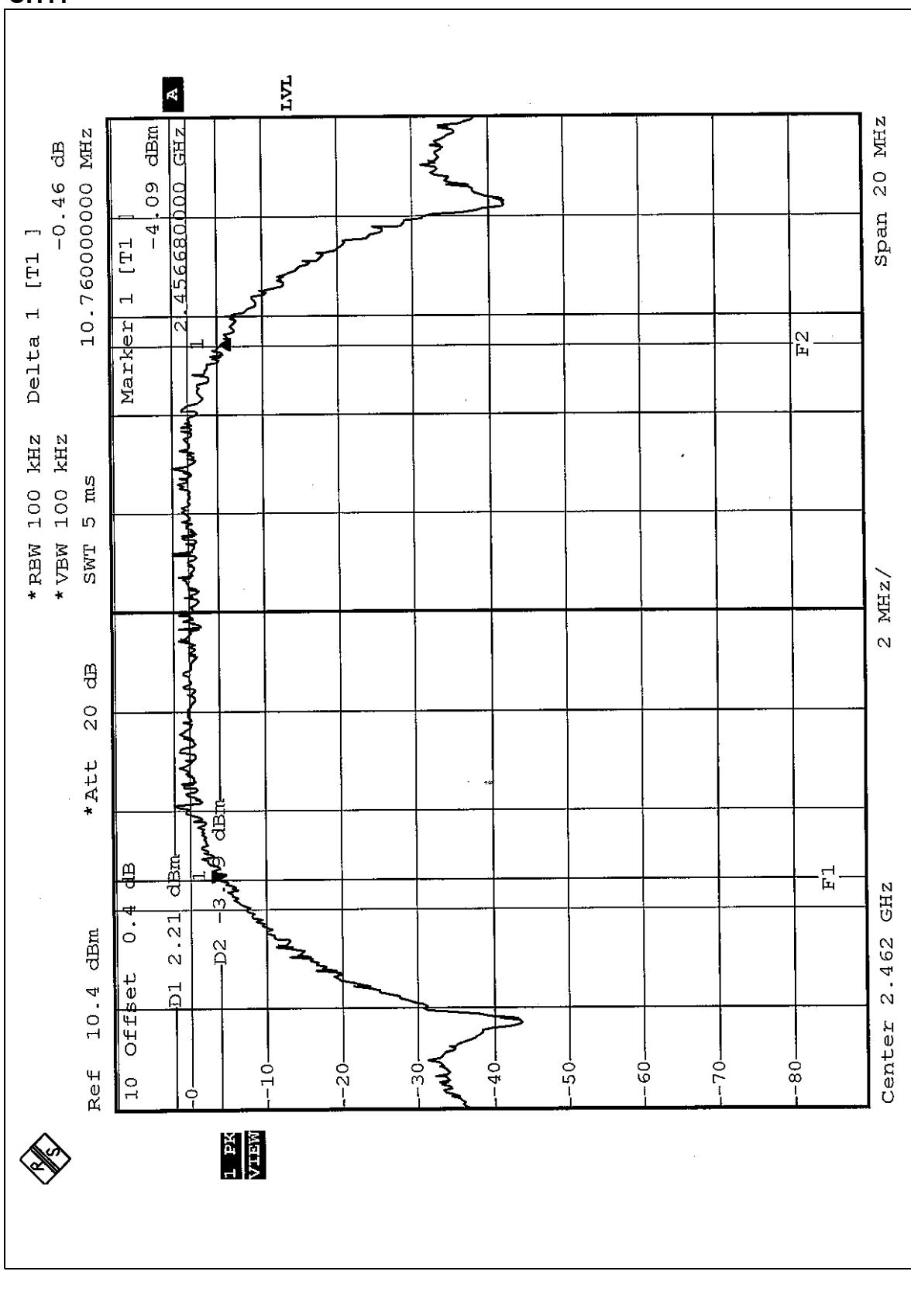
CH1



CH6



CH11



FCC ID: GSS-VS10276

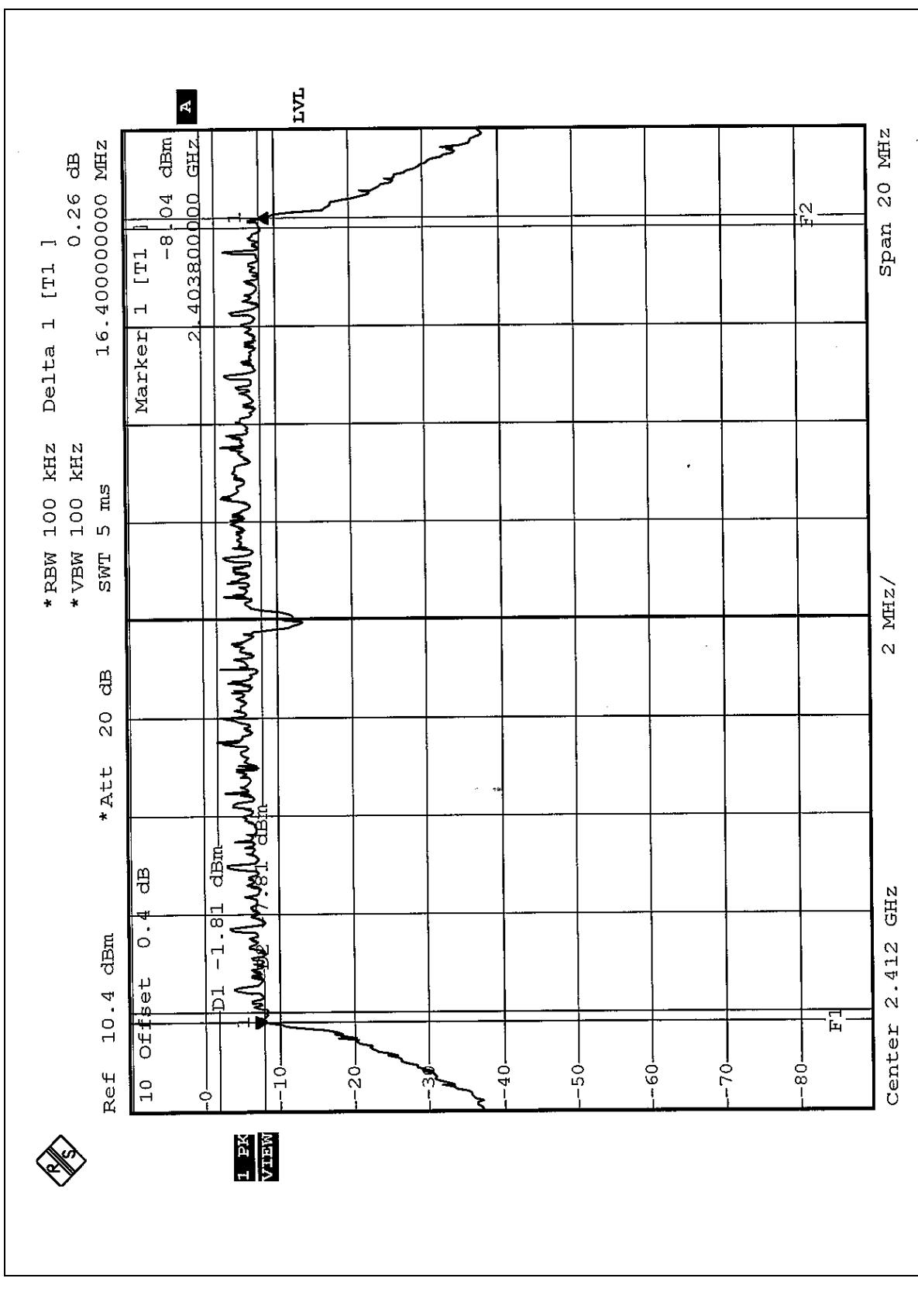


EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa
TEST MODE	OFDM	TESTED BY	Match Tsui

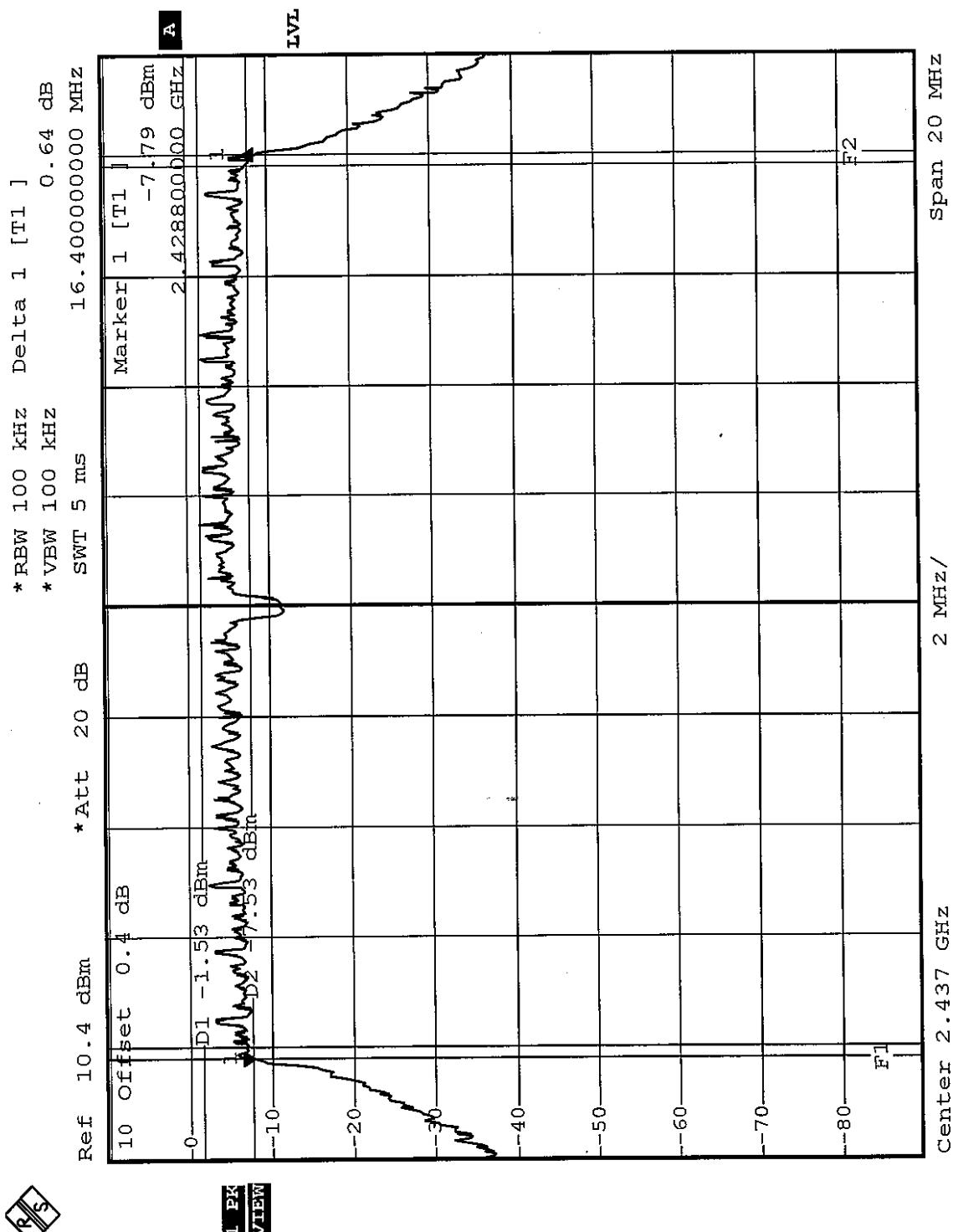
CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.40	0.5	PASS
6	2437	16.40	0.5	PASS
11	2462	16.36	0.5	PASS



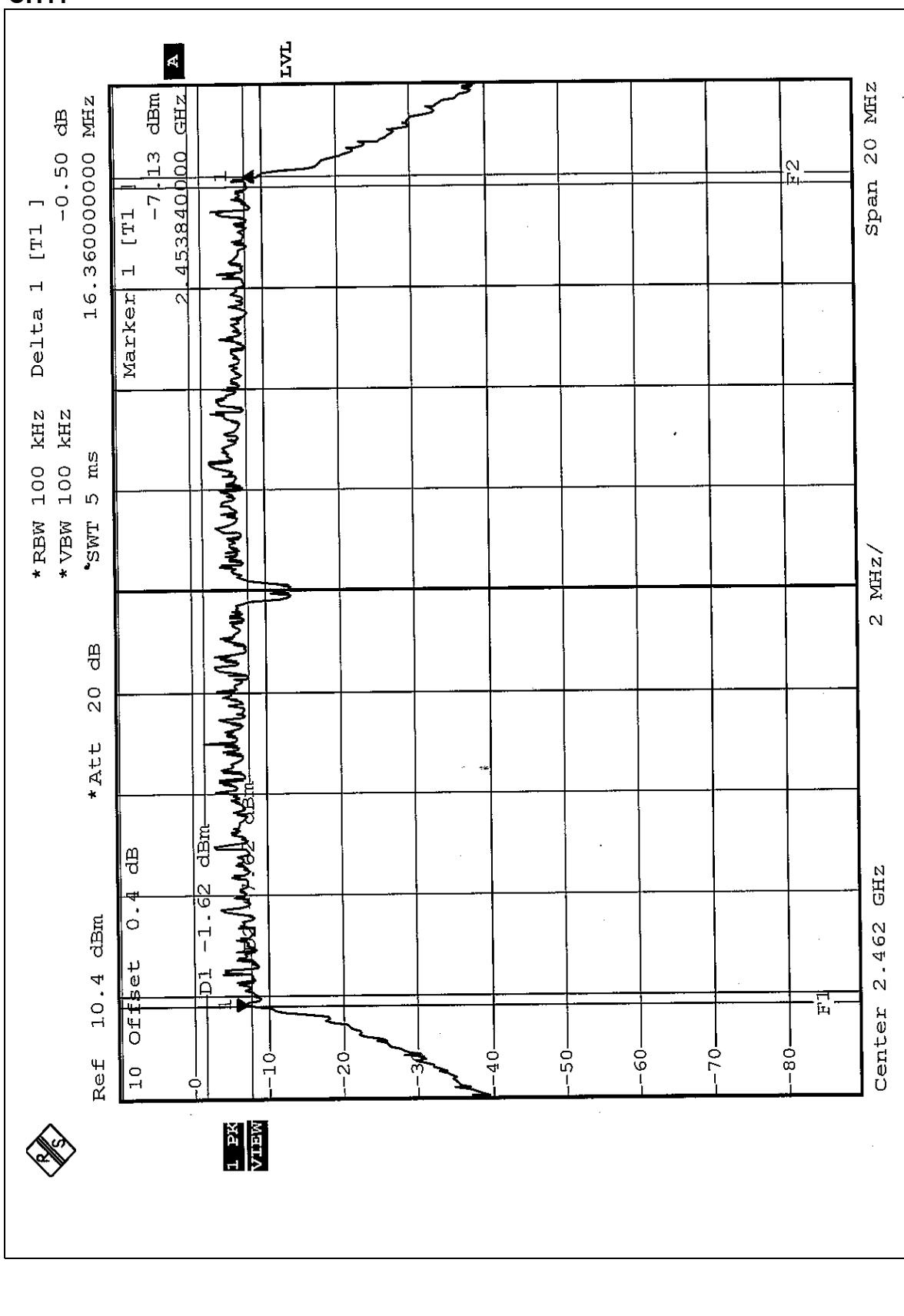
CH1



CH6



CH11





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, 2004
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.

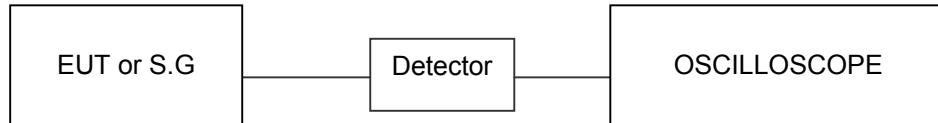
4.4.3 TEST PROCEDURES

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

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	24 deg. C, 66% RH, 991 hPa
TEST MODE	CCK	TESTED BY	Match Tsui

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	13.00	30	PASS
6	2437	13.00	30	PASS
11	2462	13.00	30	PASS

EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	24 deg. C, 66% RH, 991 hPa
TEST MODE	OFDM	TESTED BY	Match Tsui

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	13.00	30	PASS
6	2437	13.00	30	PASS
11	2462	13.00	30	PASS



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, 2004

NOTE:

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

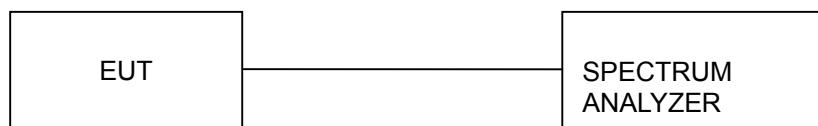
4.5.3 TEST PROCEDURE

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

FCC ID: GSS-VS10276

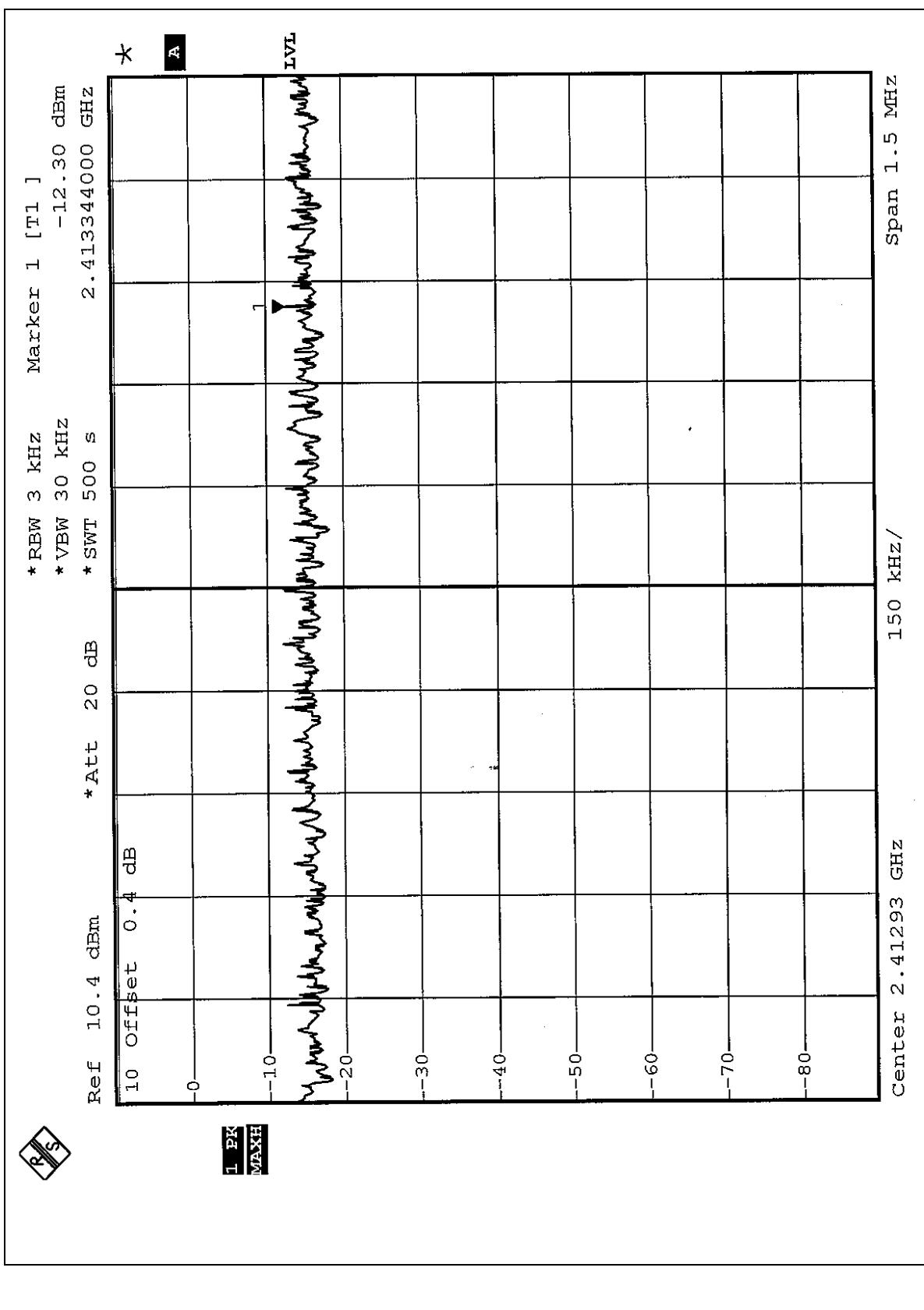


4.5.7 TEST RESULTS

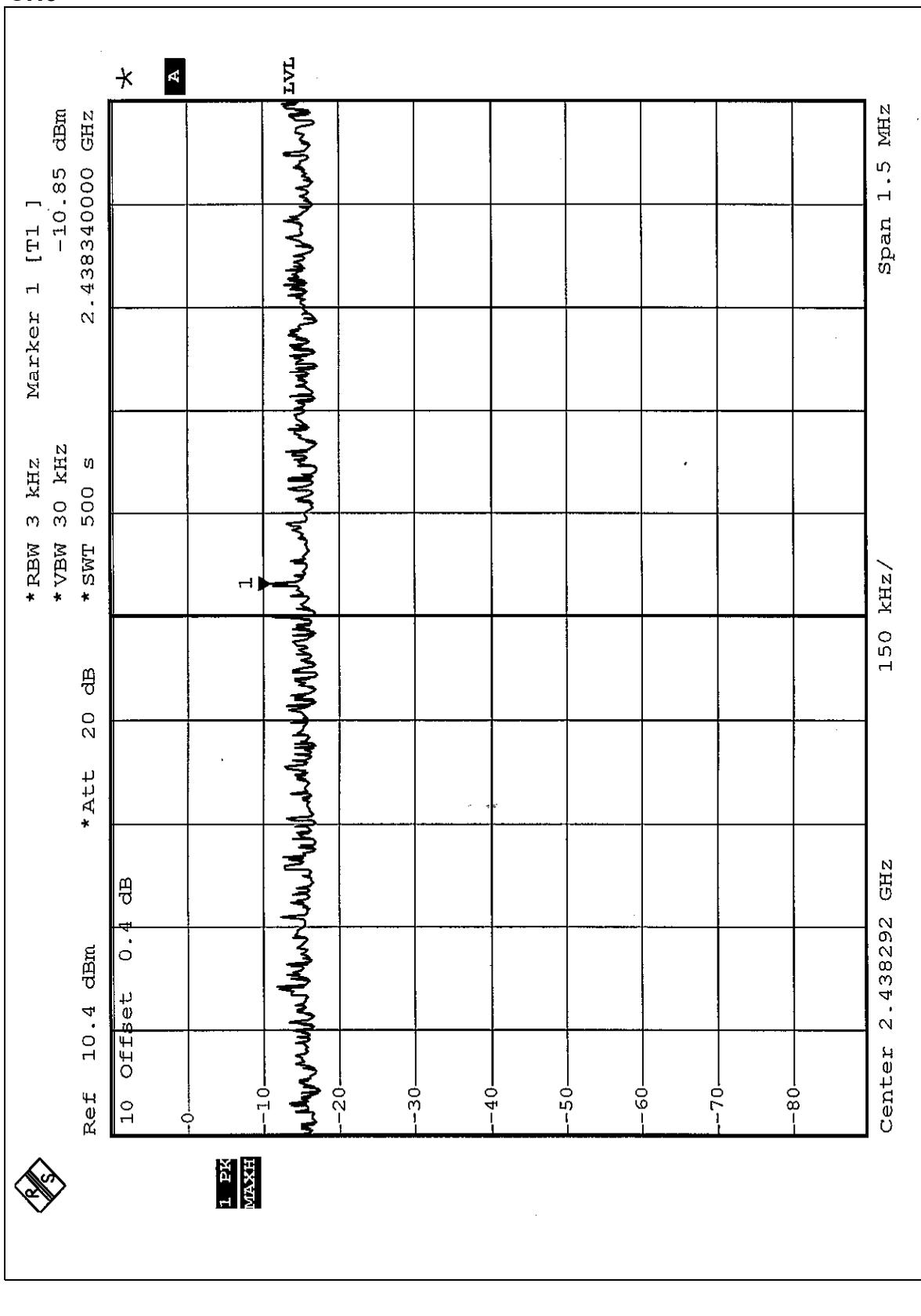
EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa
TEST MODE	CCK	TESTED BY	Match Tsui

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-12.30	8	PASS
6	2437	-10.85	8	PASS
11	2462	-12.15	8	PASS

CH1

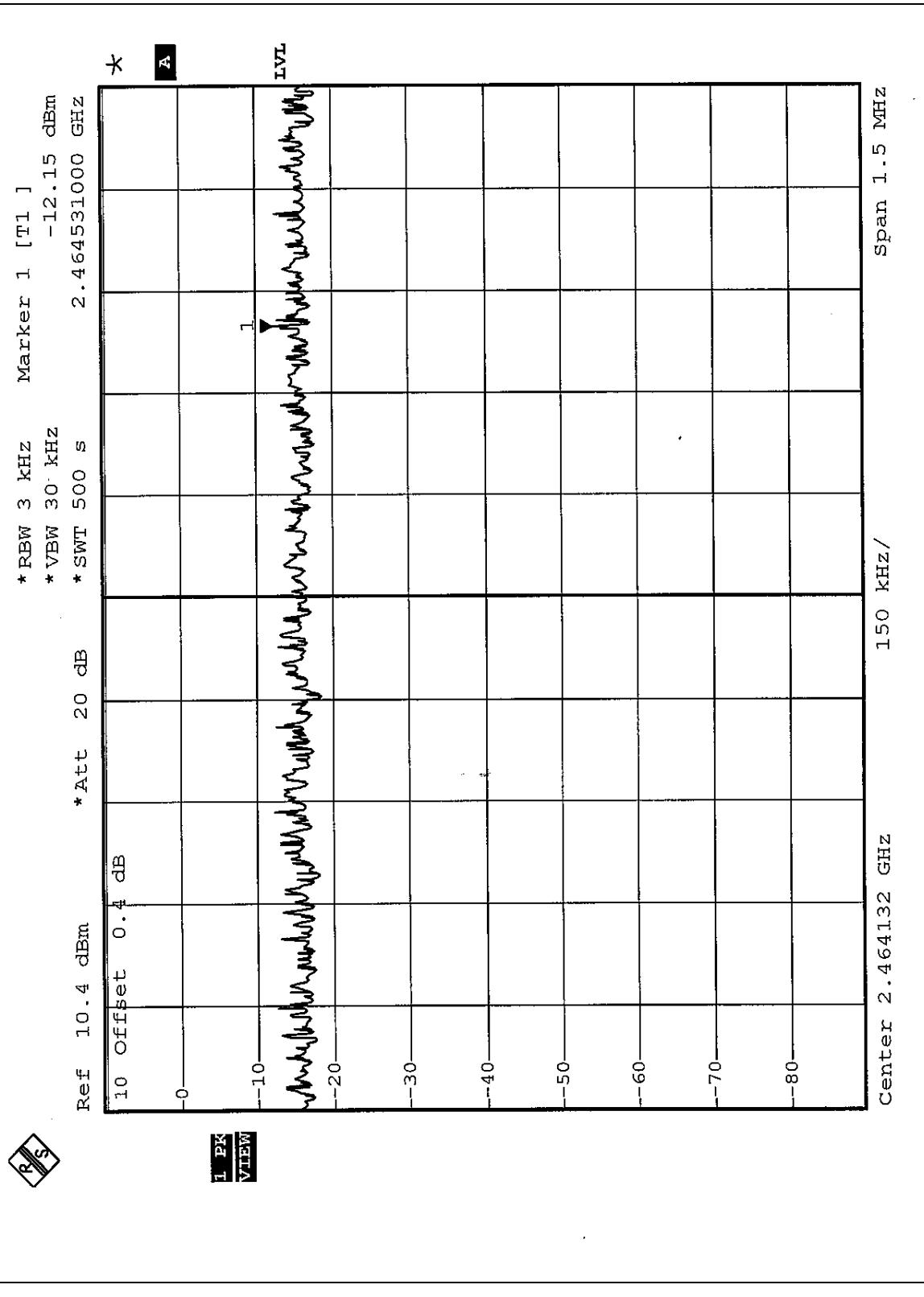


CH6





CH11



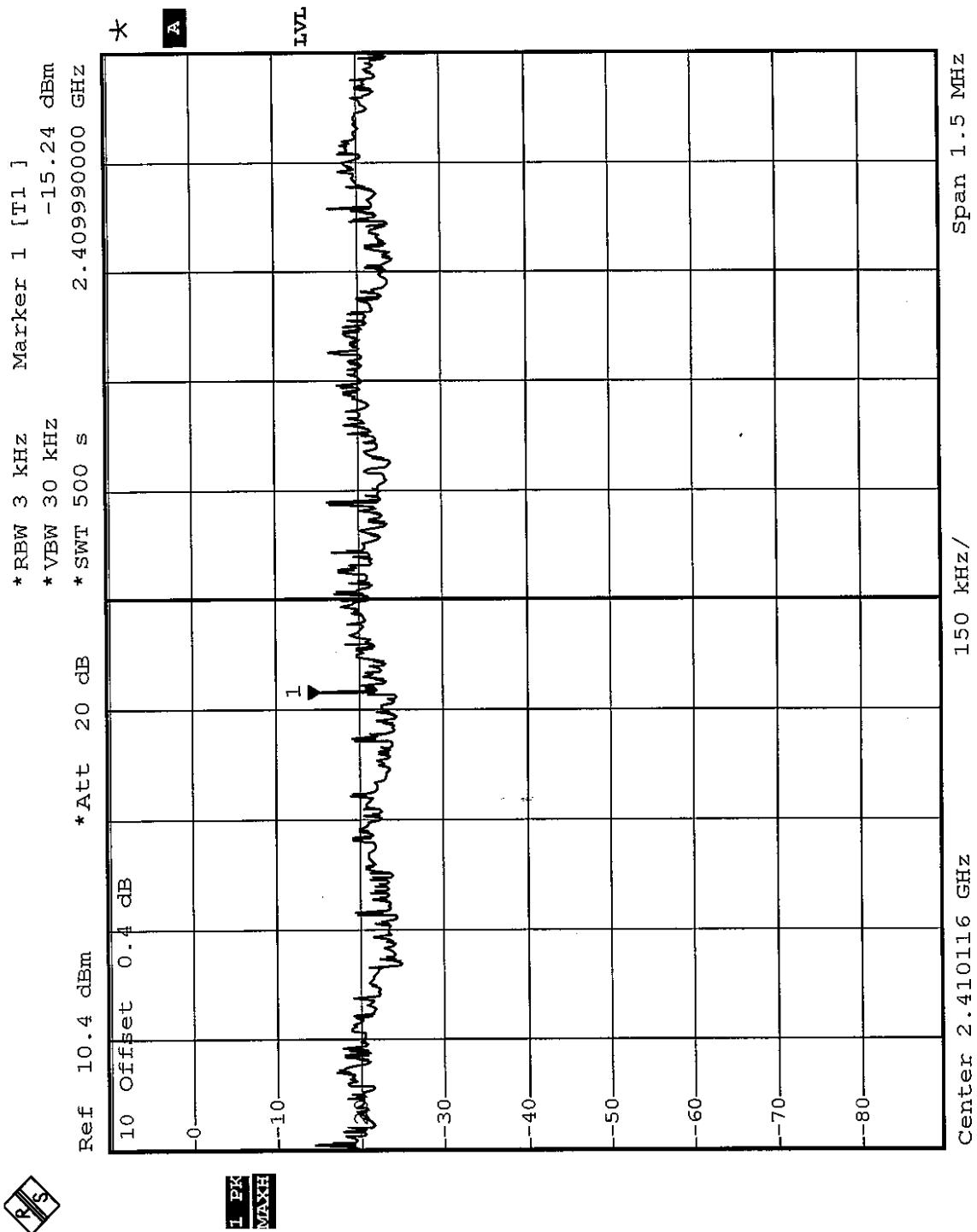
FCC ID: GSS-VS10276



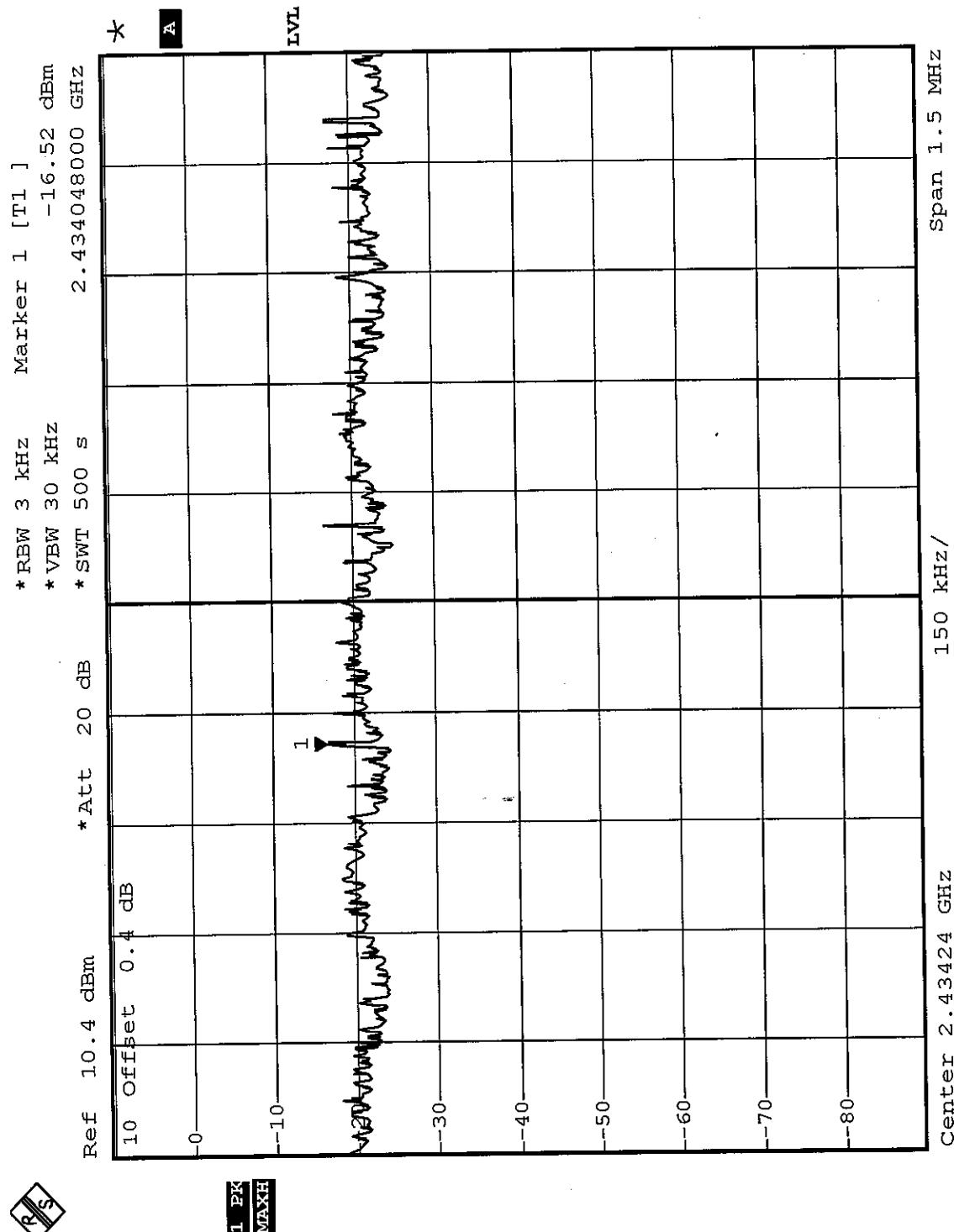
EUT	ViewSonic Wireless 802.11g Router	MODEL	VS10276
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25 deg. C, 65% RH, 991 hPa
TEST MODE	OFDM	TESTED BY	Match Tsui

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3KHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-15.24	8	PASS
6	2437	-16.52	8	PASS
11	2462	-16.54	8	PASS

CH1

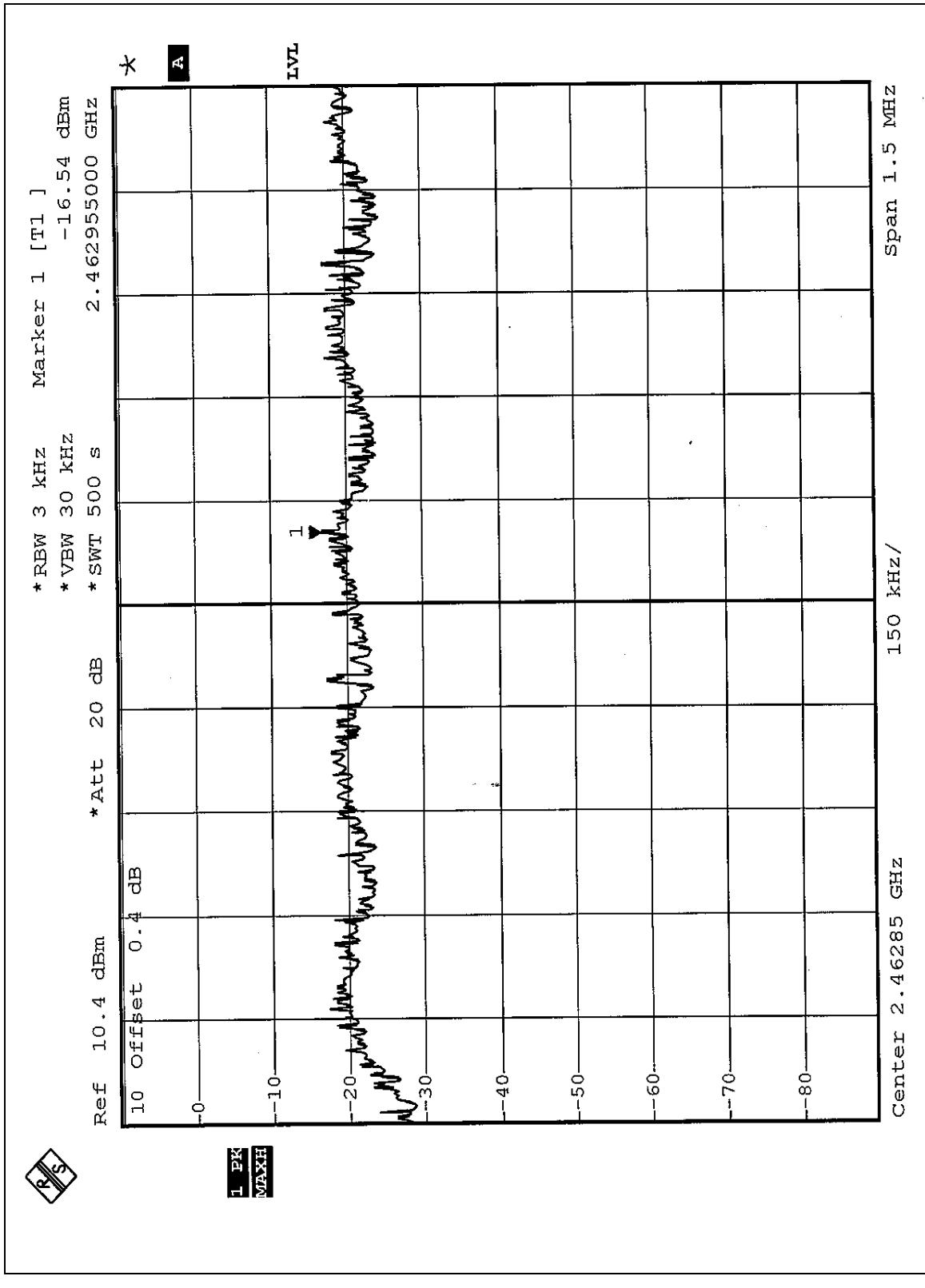


CH6





CH11





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, 2004

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 loss cable. Set both RBW and VBW of spectrum analyzer to 100kHz 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).

NOTE:

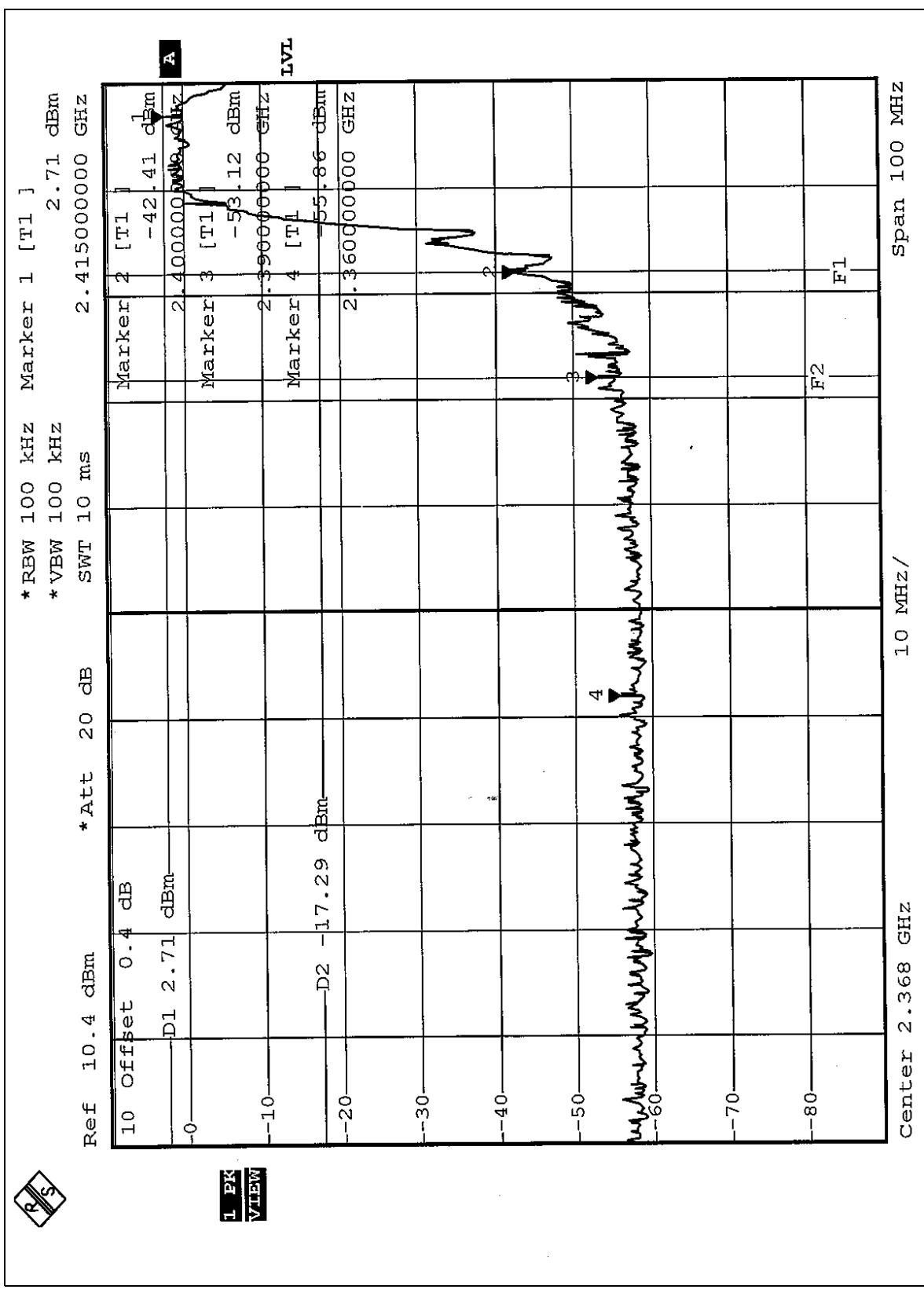
The band edge emission plot of CCK technique on the following 1~2 pages show 55.83dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.9 is 100.85dB_{UV}/m, so the maximum field strength in restrict band is $100.85 - 55.83 = 45.02$ dB_{UV}/m which is under 54dB_{UV}/m limit.

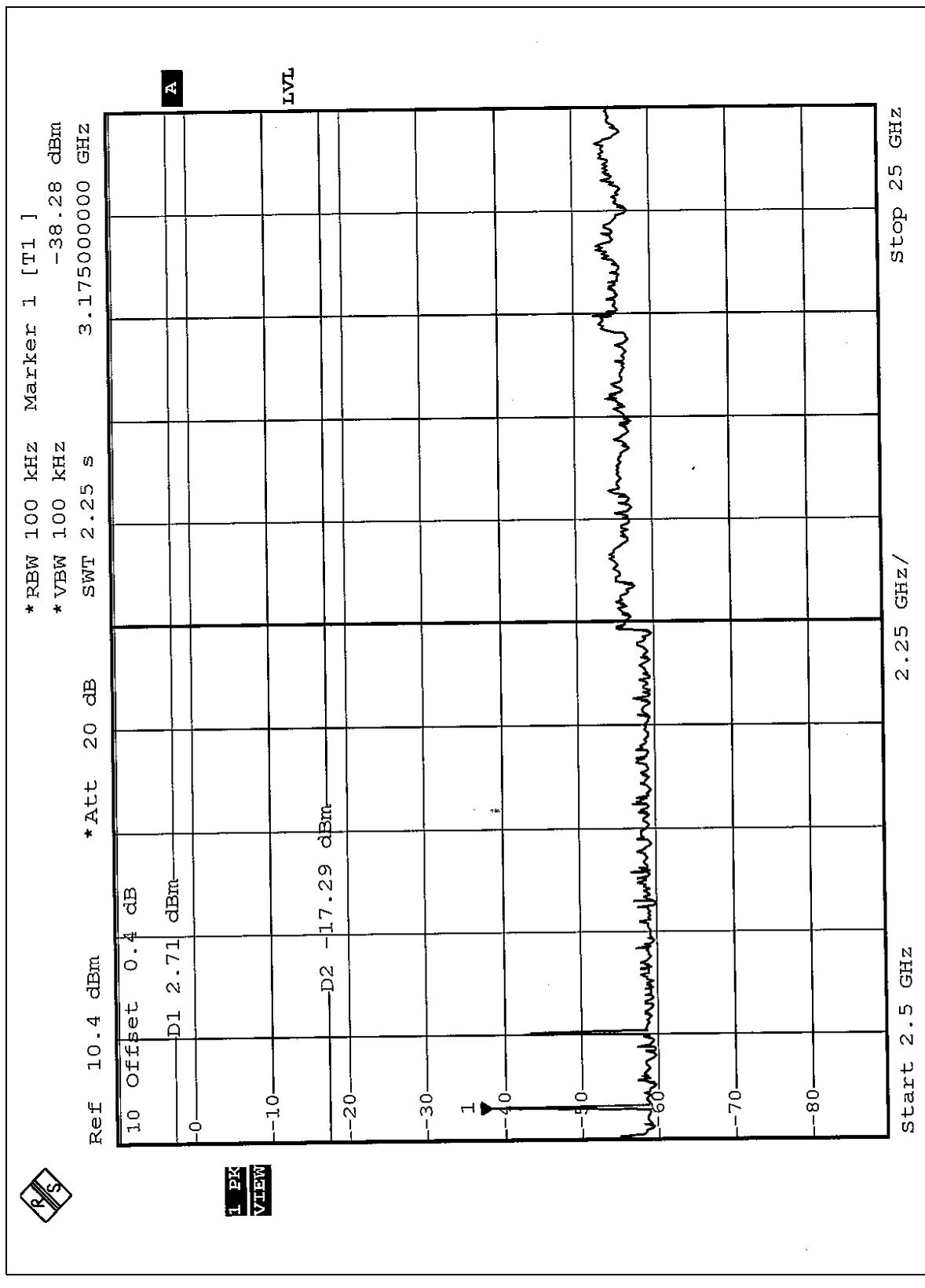
The band edge emission plot of CCK technique on the following 3~4 pages show 54.03dB delta between carrier maximum power and local maximum emission in restrict band (2.4836GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.9 is 101.33dB_{UV}/m, so the maximum field strength in restrict band is $101.33 - 54.03 = 47.30$ dB_{UV}/m which is under 54dB_{UV}/m limit.

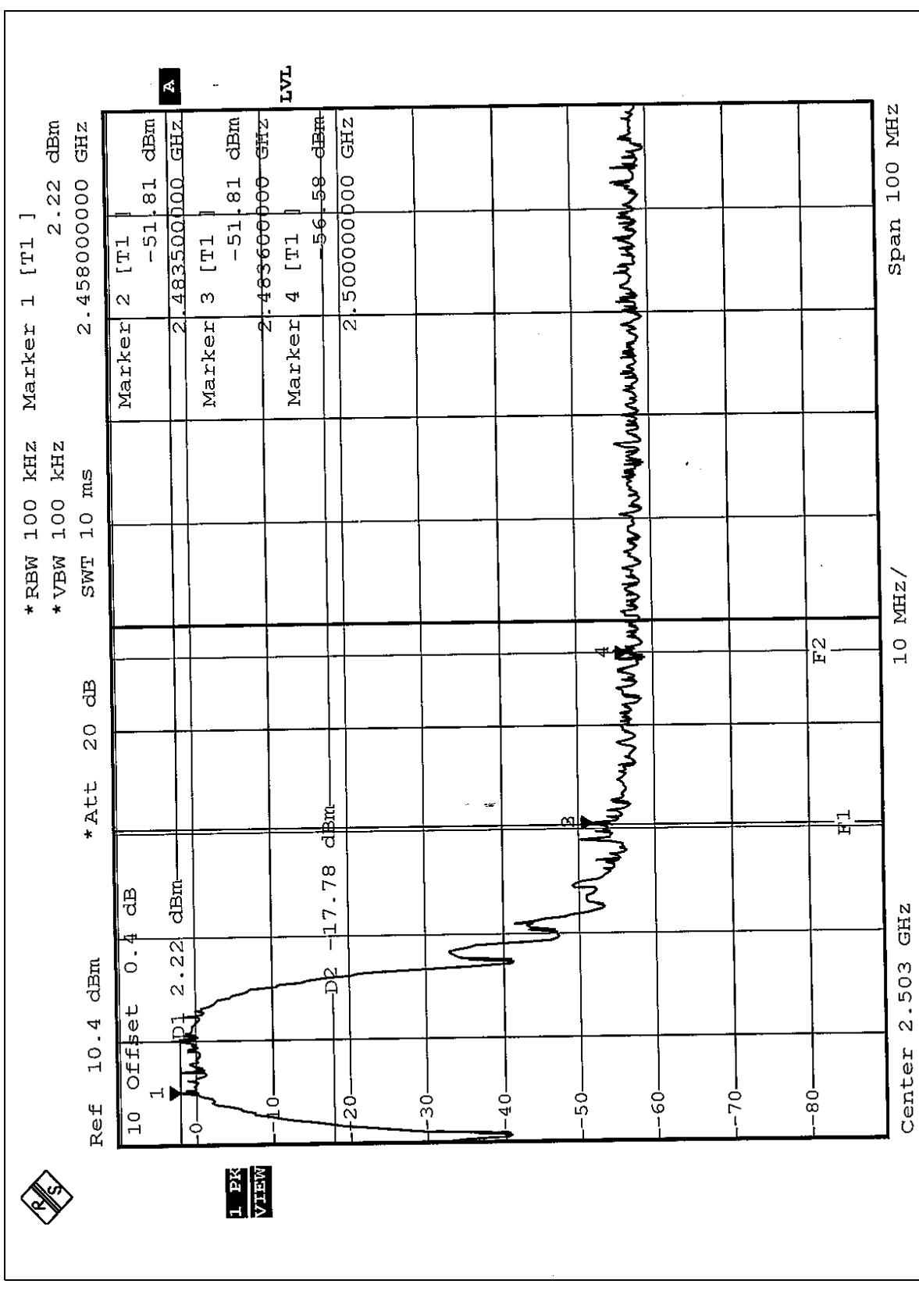
NOTE:

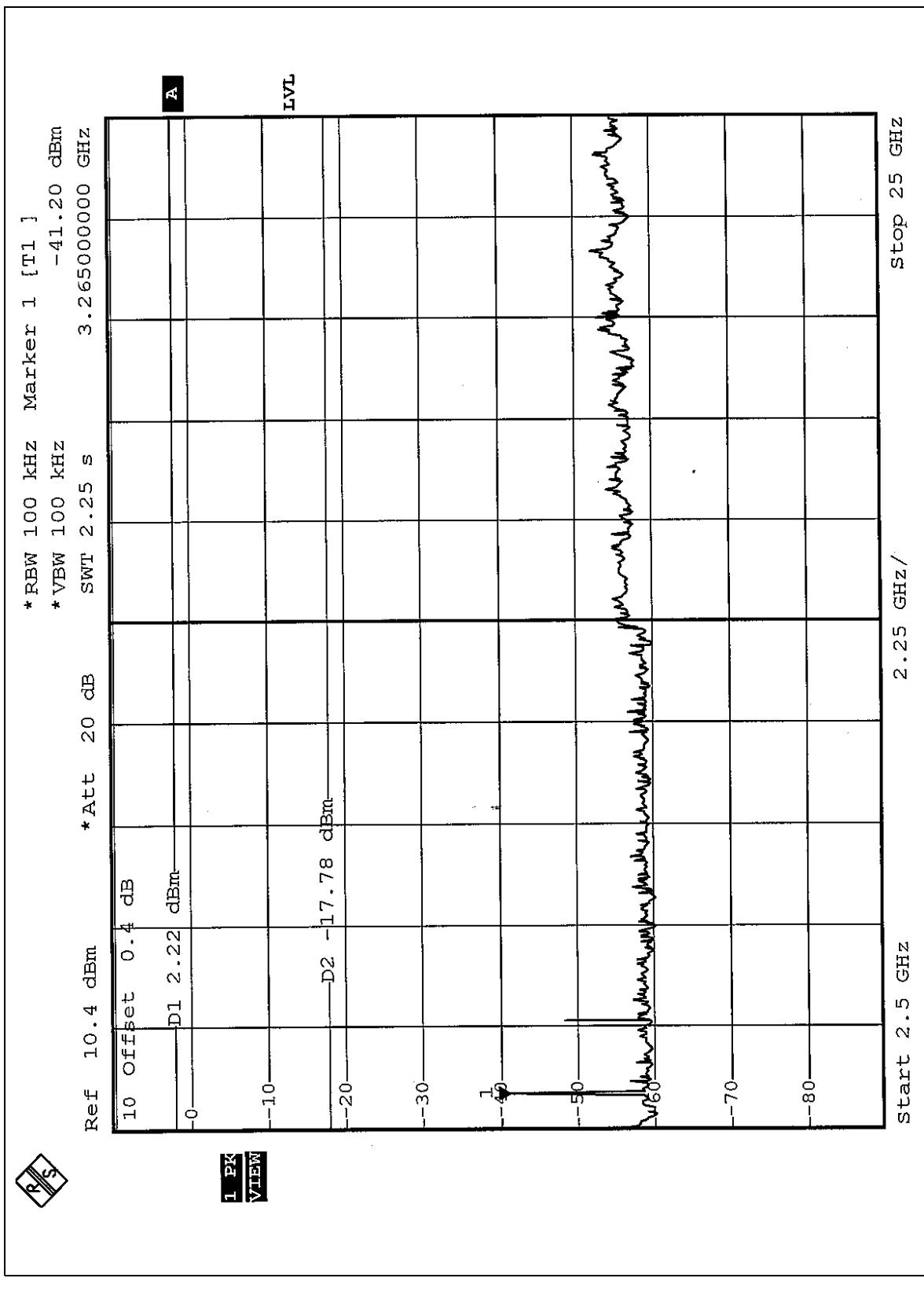
The band edge emission plot of OFDM technique on the following 5~6 pages show 51.80dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.9 is 99.00dB_{UV}/m, so the maximum field strength in restrict band is $99.00 - 51.80 = 47.20$ dB_{UV}/m which is under 54dB_{UV}/m limit.

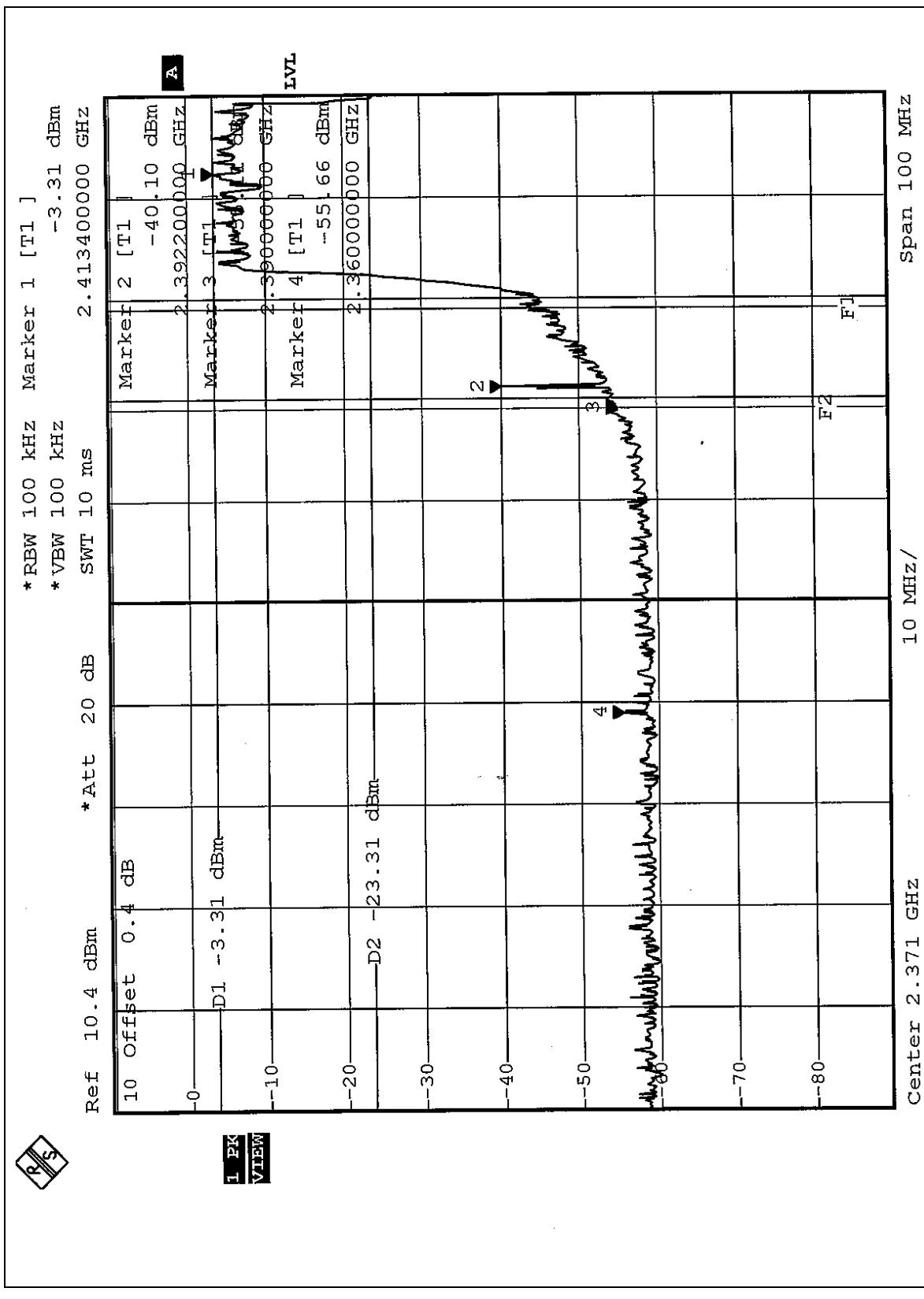
The band edge emission plot of OFDM technique on the following 7~8 pages show 50.54dB delta between carrier maximum power and local maximum emission in restrict band (2.4842GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.9 is 96.32dB_{UV}/m, so the maximum field strength in restrict band is $96.32 - 50.54 = 45.78$ dB_{UV}/m which is under 54dB_{UV}/m limit.

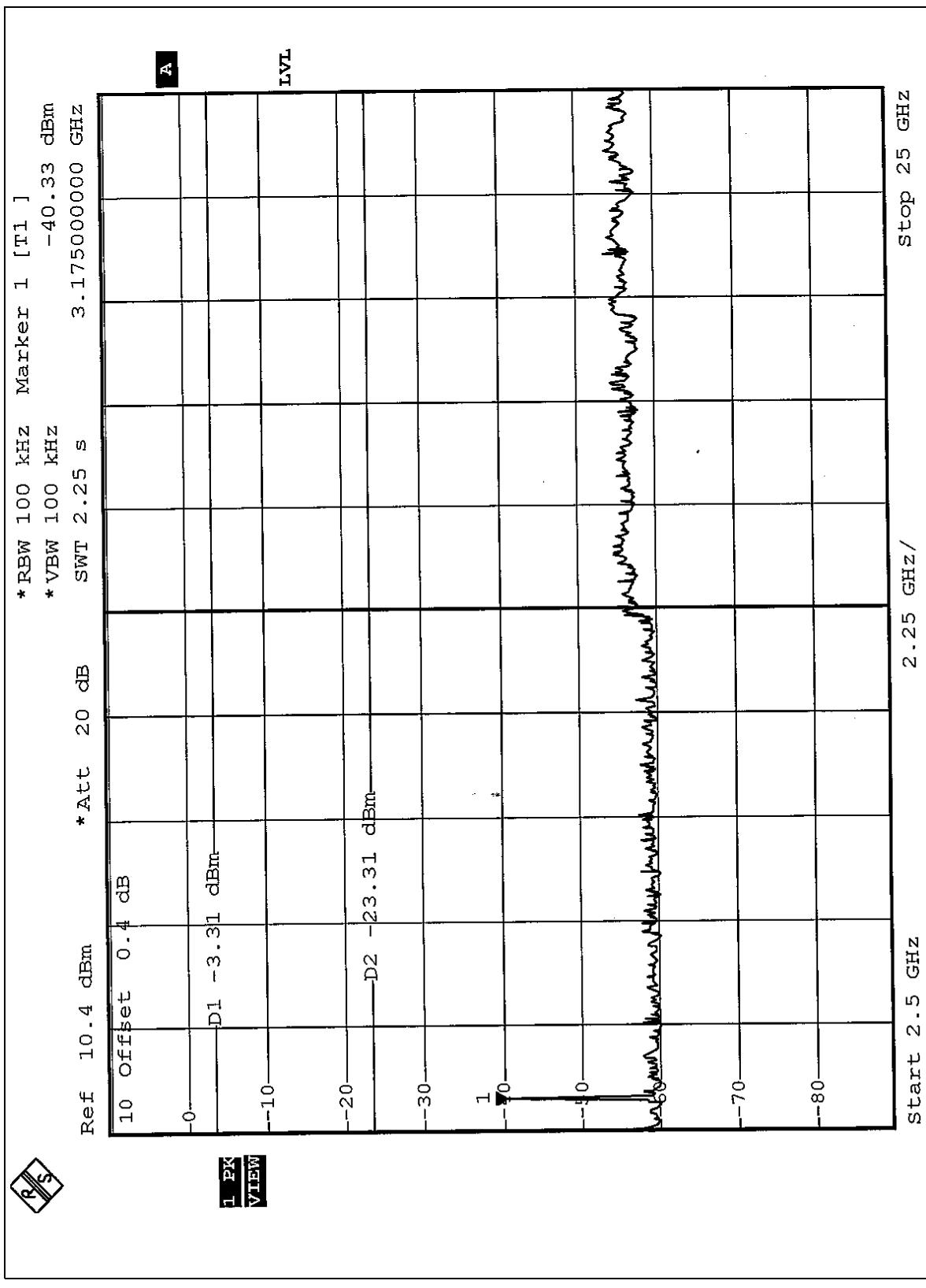


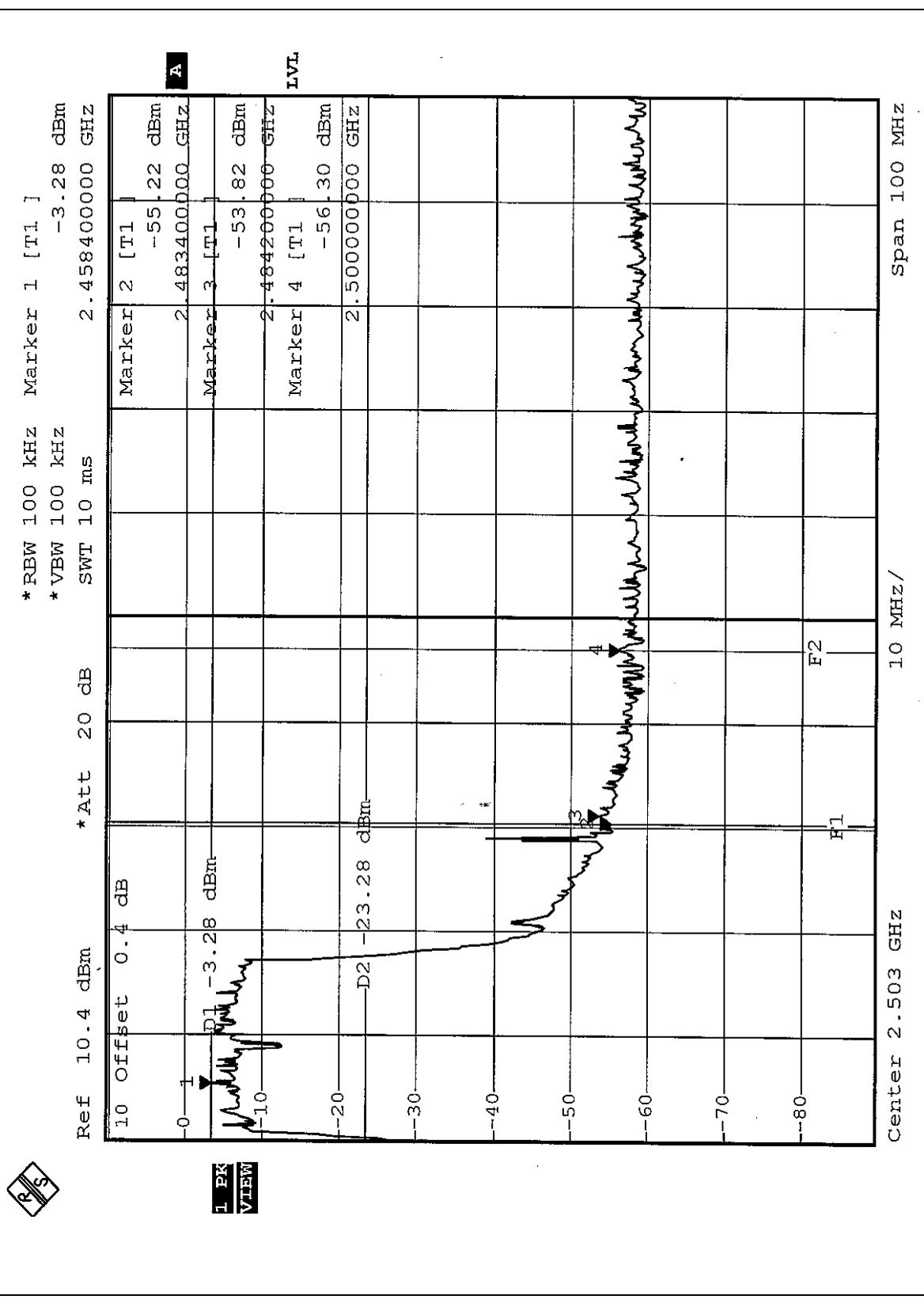


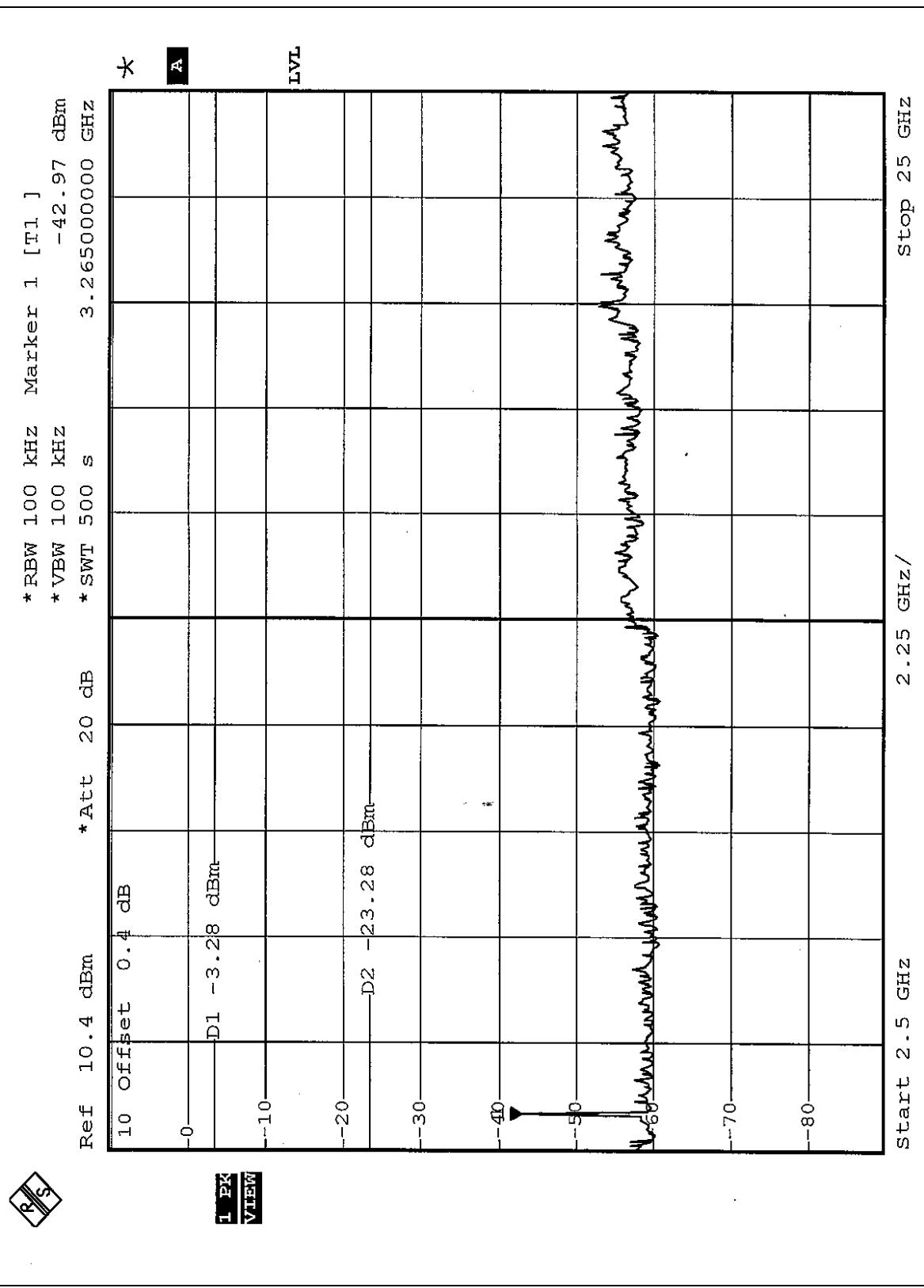














4.7 ANTENNA REQUIREMENT

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 is dipole antenna without connector. And the maximum Gain of this antenna is 2dBi.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

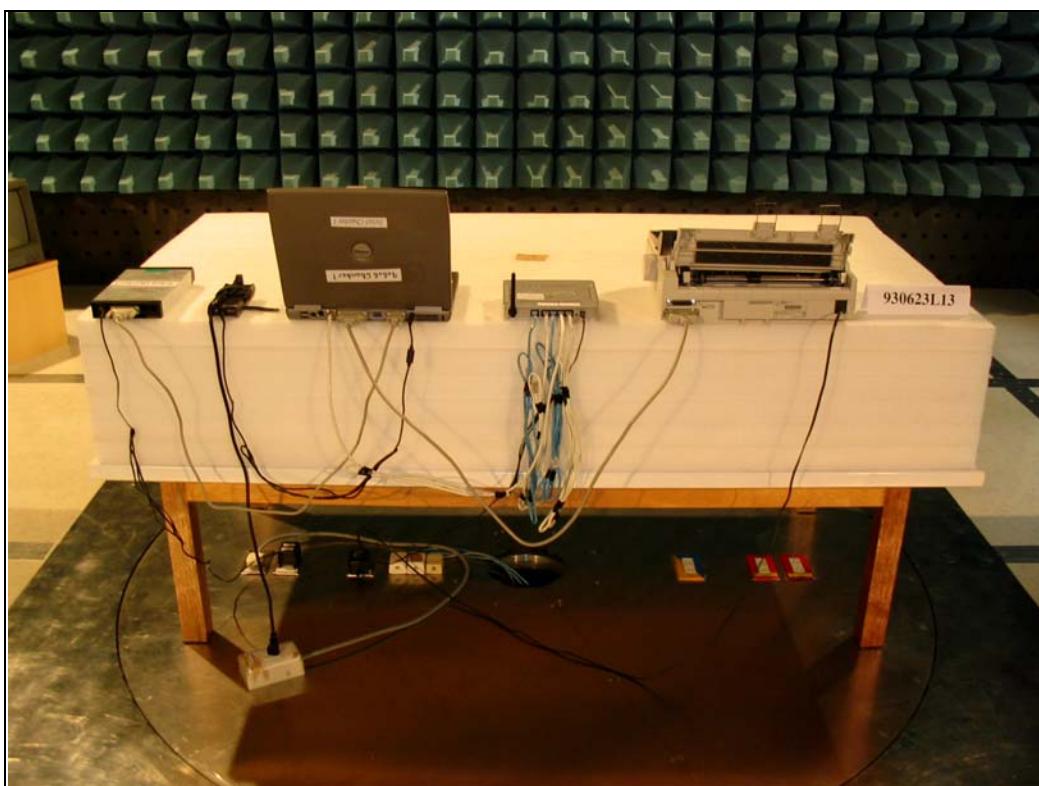
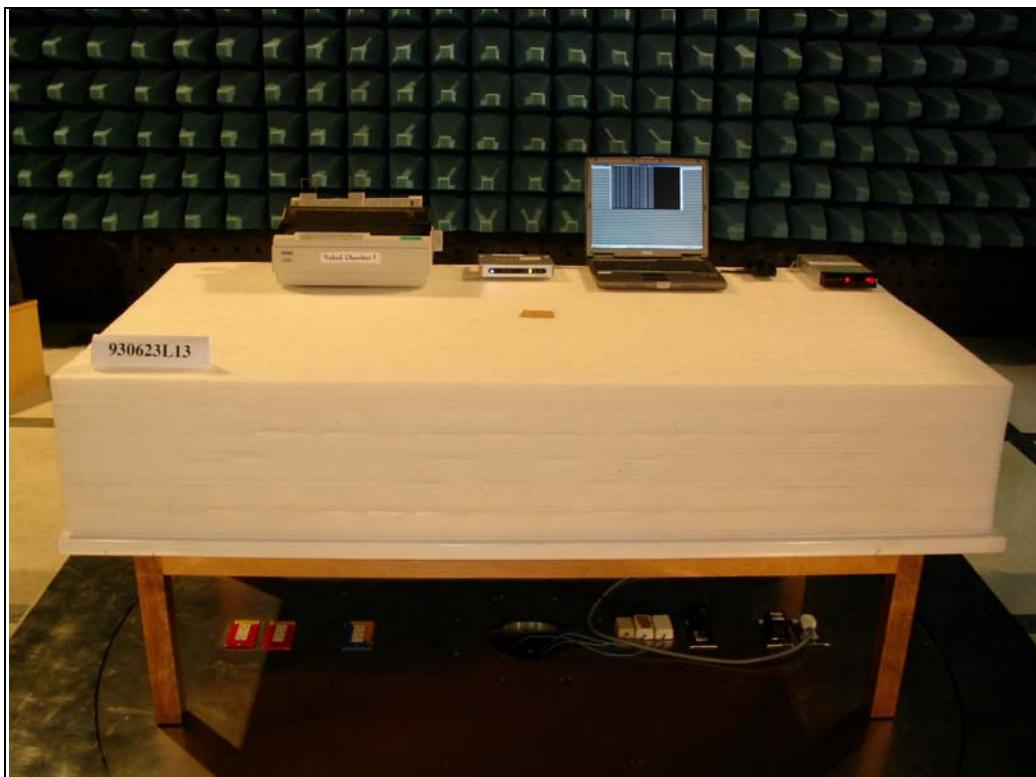
CONDUCTED EMISSION TEST



FCC ID: GSS-VS10276



RADIATED EMISSION TEST





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
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
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:

Linko EMC/RF Lab:

Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343
Fax: 886-3-5935342

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Linko RF Lab.

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Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

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