FCC TEST REPORT

REPORT NO.: RF920624R01B
MODEL NO.: WLL3050
RECEIVED: NA
TESTED: Nov. 18 ~ Dec. 03, 2004

APPLICANT: ASKEY COMPUTER CORP.

ADDRESS: 10F, NO. 119, CHIENKANG RD., CHUNG-HO, TAIPEI TAIWAN R.O.C

ISSUED BY: Advance Data Technology Corporation

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang 244, Taipei Hsien, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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ACCREDITED
No. 2177-01

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1 CERTIFICATION

PRODUCT :	Mini- PCI CARD
BRAND NAME :	Askey
MODEL NO. :	WLL3050
APPLICANT :	ASKEY COMPUTER CORP.
TESTED :	Nov. 18 ~ Dec. 03, 2004
TEST SAMPLE :	ENGINEERING SAMPLE
STANDARDS :	FCC Part 15, Subpart C (Section 15.247), ANSI C63.4-2003

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 : Candice Chen , **DATE:** Dec. 07, 2004
Candice Chen

TECHNICAL ACCEPTANCE : Gary Chang , **DATE:** Dec. 07, 2004
Responsible for RF
Gary Chang

APPROVED BY : , **DATE:** Dec. 07, 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 –13.94dB at 0.170MHz
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(d)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is –1.16dB at 4824.00MHz
15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(d)	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	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.55 dB
	200MHz ~1000MHz	3.58 dB
	1GHz ~ 18GHz	1.10 dB
	18GHz ~ 40GHz	0.91 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mini-PCI CARD
MODEL NO.	WLL3050
POWER SUPPLY	3.3Vdc from host equipment
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	48.195mW
ANTENNA TYPE	PIFA antenna with 1.65dBi gain for main antenna PIFA antenna with 1.30dBi gain for aux antenna
DATA CABLE	NA
I/O PORTS	NA
ASSOCIATED DEVICES	NA

NOTE:

1. This report is issued as a supplementary report of ADT report no.: RF920624R01. The model in this report is identical to the original application one.
2. This report is prepared for FCC class II permissive change. The difference compared with the original design is adding one antenna type to this EUT for the test.
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.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Mini-PCI CARD. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. (15.247)

ANSI C63.4: 2003

All tests 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

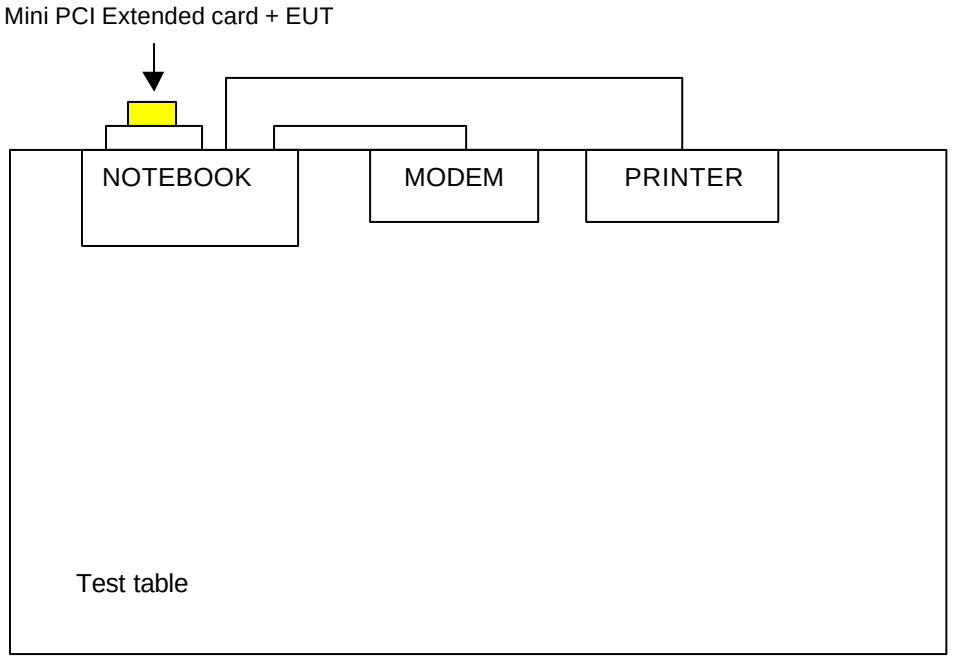
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	Dell	PP01L	TW-09C748-12800-19O-B220	FCC DoC Approved
2	PRINTER	EPSON	LQ-300+	DCGY017096	FCC DoC Approved
3	MODEM	ACEEX	1414	980020527	IFAXDM1414

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core
3	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.

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

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	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	Nov. 16, 2005
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.

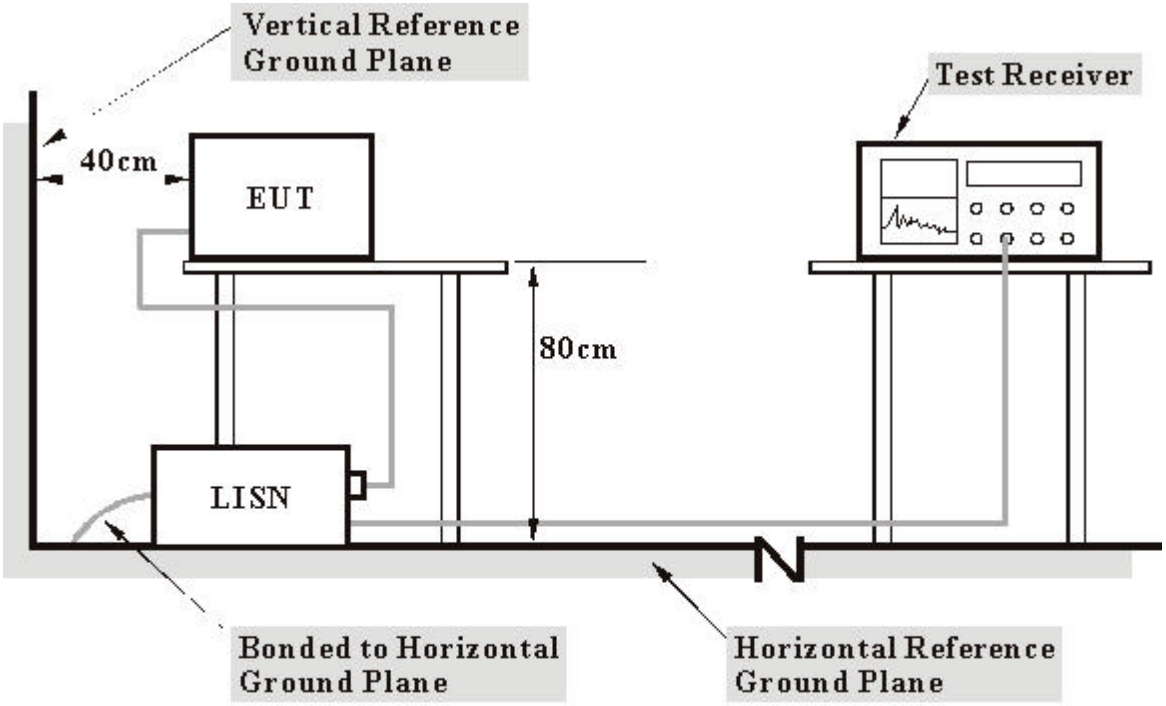
4.1.3 TEST PROCEDURES

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 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.

4.1.5 EUT OPERATING CONDITIONS

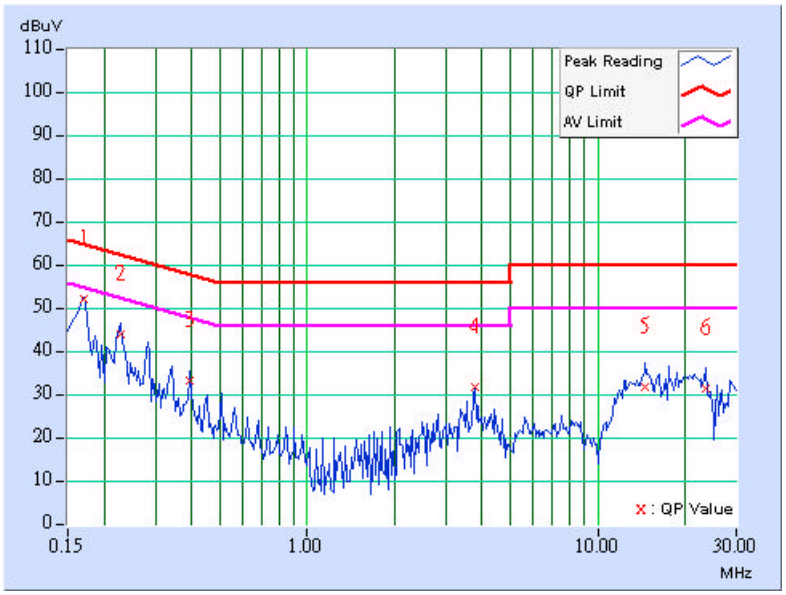
a. Plug the EUT into the computer system and placed on a testing table.
b. The computer system ran a test program (provided by manufacturer) to enable EUT under transmission/receiving condition continuously at specific channel frequency.
c. The computer system sent "H" messages to its screen.
d. The computer system sent “H” messages to modem.
e. The computer system sent "H" messages to printer, and the printer prints them on paper.
f. Repeat steps c ~ e.

4.1.6 TEST RESULTS

EUT	Mini-PCI CARD	**MODEL**	WLL3050
MODE	Channel 1	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	**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	**0.170**	**0.11**	**50.93**	**-**	**51.04**	**-**	**64.98**	**54.98**	**-13.94**	**-**
2	0.228	0.12	43.05	-	43.17	-	62.52	52.52	-19.35	-
3	0.396	0.13	32.29	-	32.42	-	57.93	47.93	-25.52	-
4	3.781	0.20	30.59	-	30.79	-	56.00	46.00	-25.21	-
5	14.613	0.74	30.62	-	31.36	-	60.00	50.00	-28.64	-
6	23.492	1.12	30.45	-	31.57	-	60.00	50.00	-28.43	-

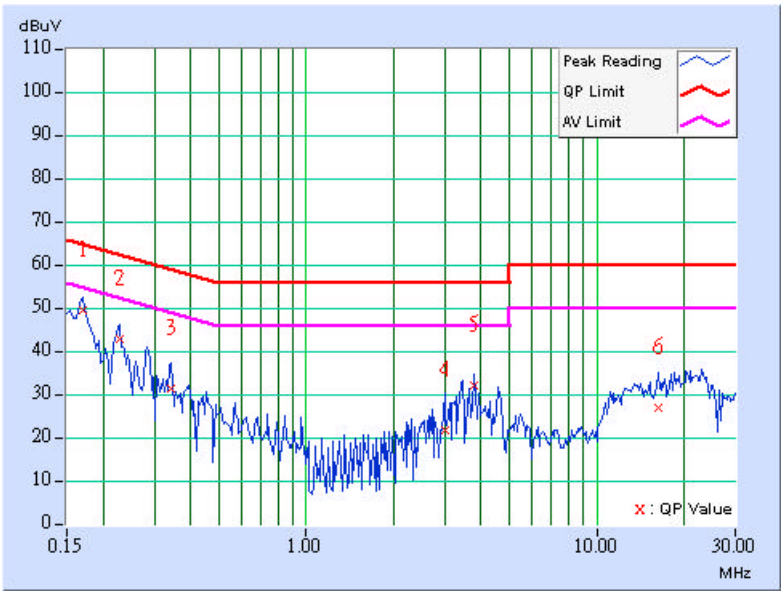
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	Mini-PCI CARD	MODEL	WLL3050
MODE	Channel 1	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	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	0.170	0.10	48.90	-	49.00	-	64.98	54.98	-15.98	-
2	0.228	0.11	42.23	-	42.34	-	62.52	52.52	-20.18	-
3	0.341	0.11	30.68	-	30.79	-	59.17	49.17	-28.37	-
4	2.992	0.18	21.03	-	21.21	-	56.00	46.00	-34.79	-
5	3.789	0.20	31.59	-	31.79	-	56.00	46.00	-24.21	-
6	16.289	0.66	26.48	-	27.14	-	60.00	50.00	-32.86	-

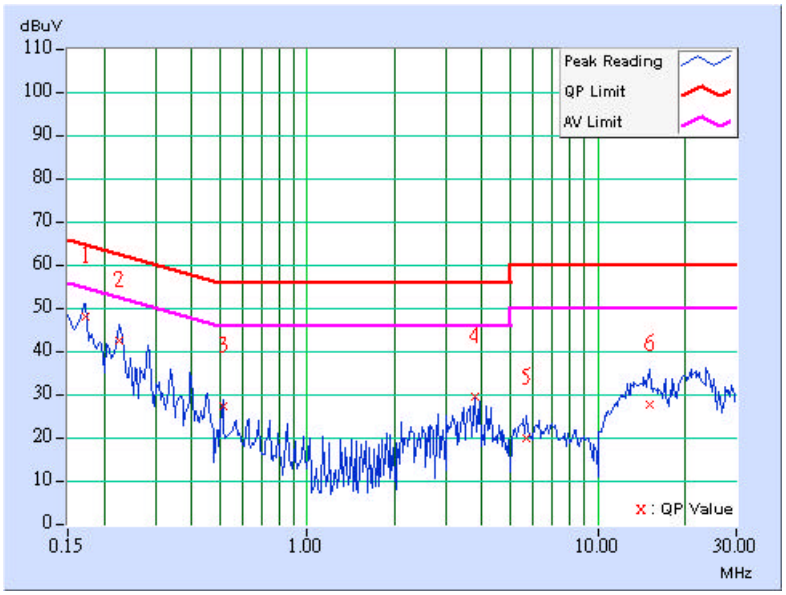
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	Mini-PCI CARD	**MODEL**	WLL3050
MODE	Channel 6	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	**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	0.173	0.11	47.47	-	47.58	-	64.79	54.79	-17.21	-
2	0.224	0.12	41.90	-	42.02	-	62.66	52.66	-20.64	-
3	0.513	0.13	26.63	-	26.76	-	56.00	46.00	-29.24	-
4	3.797	0.20	29.03	-	29.23	-	56.00	46.00	-26.77	-
5	5.664	0.25	19.05	-	19.30	-	60.00	50.00	-40.70	-
6	15.020	0.78	27.11	-	27.89	-	60.00	50.00	-32.11	-

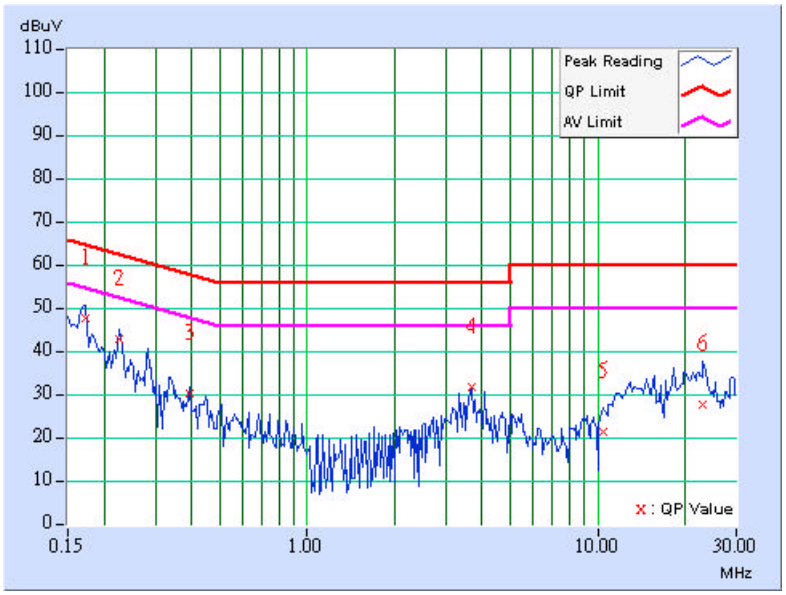
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	Mini-PCI CARD	**MODEL**	WLL3050
MODE	Channel 6	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	**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	0.173	0.10	46.96	-	47.06	-	64.79	54.79	-17.73	-
2	0.224	0.11	42.31	-	42.42	-	62.66	52.66	-20.24	-
3	0.396	0.12	29.61	-	29.73	-	57.93	47.93	-28.21	-
4	3.680	0.19	31.22	-	31.41	-	56.00	46.00	-24.59	-
5	10.410	0.31	20.75	-	21.06	-	60.00	50.00	-38.94	-
6	23.090	0.69	27.00	-	27.69	-	60.00	50.00	-32.31	-

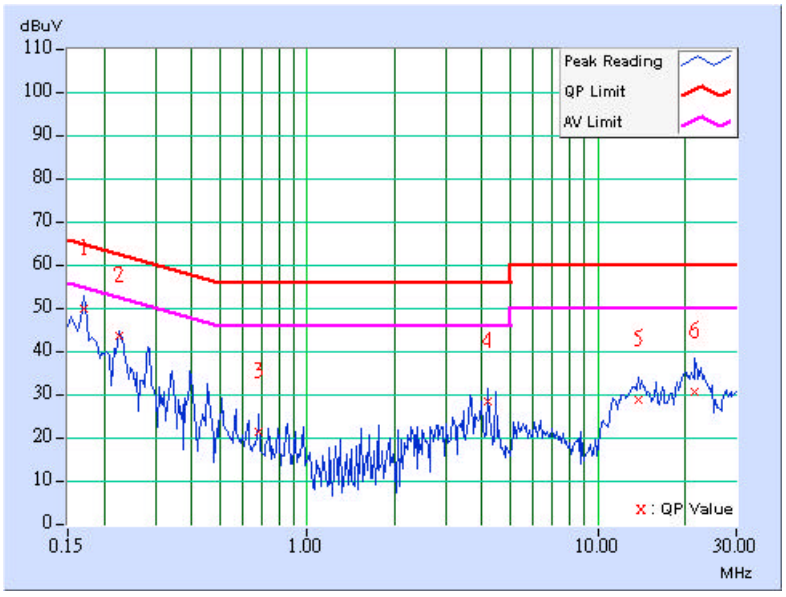
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	Mini-PCI CARD	**MODEL**	WLL3050
MODE	Channel 11	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	**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	0.170	0.11	48.93	-	49.04	-	64.98	54.98	-15.94	-
2	0.224	0.12	42.79	-	42.91	-	62.66	52.66	-19.75	-
3	0.681	0.13	20.51	-	20.64	-	56.00	46.00	-35.36	-
4	4.195	0.21	27.38	-	27.59	-	56.00	46.00	-28.41	-
5	13.828	0.67	27.88	-	28.55	-	60.00	50.00	-31.45	-
6	21.598	1.06	29.72	-	30.78	-	60.00	50.00	-29.22	-

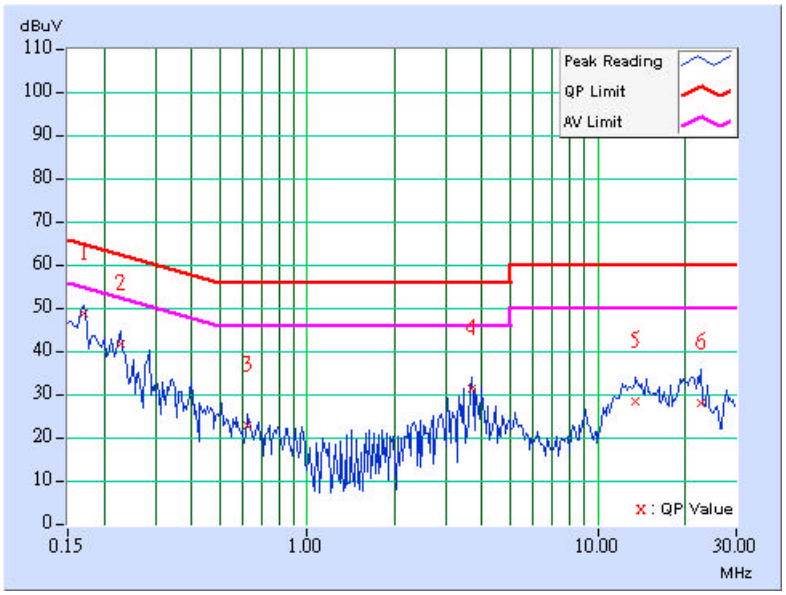
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT	Mini-PCI CARD	**MODEL**	WLL3050
MODE	Channel 11	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	**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	0.170	0.10	48.25	-	48.35	-	64.98	54.98	-16.63	-
2	0.228	0.11	40.98	-	41.09	-	62.52	52.52	-21.43	-
3	0.623	0.12	22.16	-	22.28	-	56.00	46.00	-33.72	-
4	3.688	0.19	30.86	-	31.05	-	56.00	46.00	-24.95	-
5	13.555	0.54	27.95	-	28.49	-	60.00	50.00	-31.51	-
6	22.754	0.69	27.64	-	28.33	-	60.00	50.00	-31.67	-

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	100033	Jun. 08, 2005
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Jun. 03, 2005
BILOG Antenna SCHWARZBECK	VULB9168	9168-153	Feb. 03, 2005
HORN Antenna SCHWARZBECK	9120D	9120D-408	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170243	Feb. 23, 2005
Preamplifier Agilent	8447D	2944A10633	Nov. 09, 2005
Preamplifier Agilent	8449B	3008A01964	Nov. 06, 2005
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218183/4	Mar. 05, 2005
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218195/4	Mar. 05, 2005
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA
Turn Table ADT.	TT100.	TT93021703	NA
Turn Table Controller ADT.	SC100.	SC93021703	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 2.

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 IC4924-3.

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.

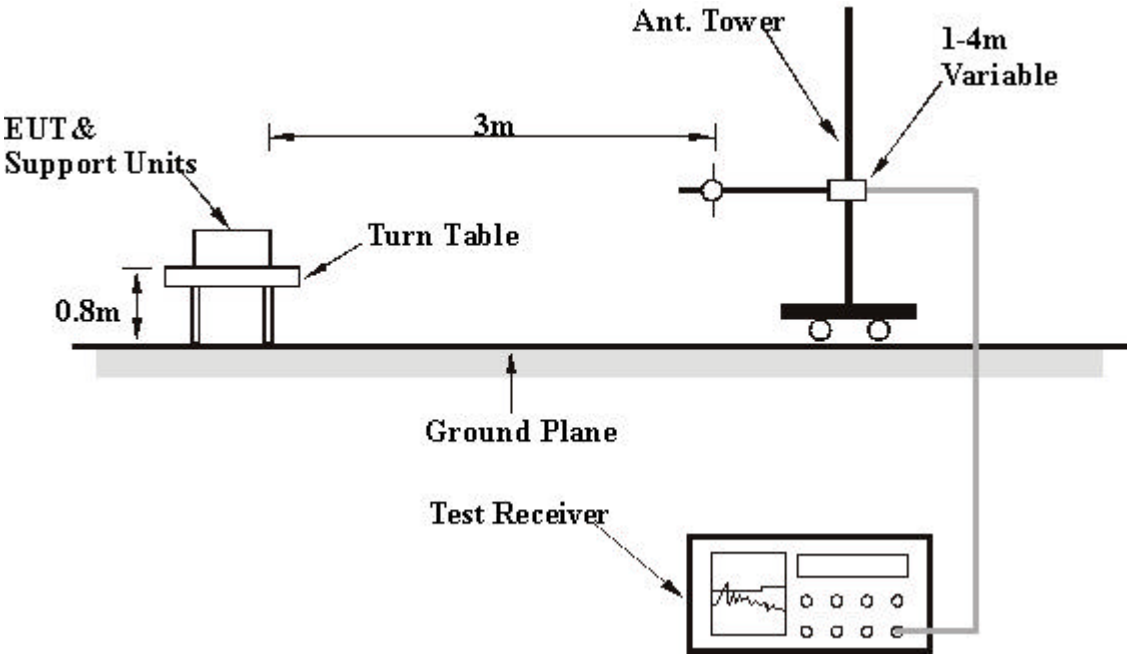
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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 300 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 TEST SETUP



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

4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5

4.2.6 TEST RESULTS

EUT	Mini- PCI CARD	**MODEL**	WLL3050
CHANNEL	11	**FREQUENCY RANGE**	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 62 RH, 991 hPa	**TESTED BY**	Long Chen

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	99.91	41.69 QP	43.50	-1.81	2.58 H	0	30.56	11.13
2	131.08	40.94 QP	43.50	-2.56	2.00 H	316	27.38	13.55
3	232.16	43.16 QP	46.00	-2.84	1.25 H	325	30.42	12.74
4	239.94	40.00 QP	46.00	-6.00	1.25 H	43	26.76	13.25
5	265.21	39.88 QP	46.00	-6.12	1.25 H	232	26.05	13.83
6	399.34	42.18 QP	46.00	-3.82	1.00 H	103	25.24	16.95
7	664.34	43.65 QP	46.00	-2.35	1.84 H	45	21.55	22.10
8	735.63	40.46 QP	46.00	-5.54	1.50 H	7	17.11	23.34
9	799.87	43.89 QP	46.00	-2.11	1.77 H	37	20.12	23.77

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	64.99	36.66 QP	40.00	-3.34	1.25 V	49	23.20	13.46
2	232.16	38.29 QP	46.00	-7.71	1.50 V	73	25.54	12.74
3	399.34	42.33 QP	46.00	-3.67	1.25 V	85	25.38	16.95
4	496.53	34.50 QP	46.00	-11.50	1.00 V	88	15.83	18.67
5	531.52	38.38 QP	46.00	-7.62	1.00 V	109	18.98	19.40
6	566.51	36.53 QP	46.00	-9.47	1.00 V	109	16.25	20.29
7	663.71	44.06 QP	46.00	-1.94	2.00 V	247	21.96	22.10
8	795.89	42.92 QP	46.00	-3.08	1.25 V	142	19.16	23.76

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.

4.2.7 TEST RESULTS (A)

EUT	Mini- PCI CARD	**MODEL**	WLL3050
CHANNEL	1	**FREQUENCY RANGE**	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	**TESTED BY**	Rush Kao

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	2390.00	57.82 PK	74.00	-16.18	1.00 H	345	23.99	33.83
1	2390.00	50.17 AV	54.00	-3.83	1.00 H	345	16.34	33.83
2	*2412.00	105.82 PK			1.00 H	345	71.89	33.93
2	*2412.00	98.17 AV			1.00 H	345	64.24	33.93
3	2688.00	47.74 PK	74.00	-26.26	1.26 H	240	12.88	34.86
3	2688.00	38.28 AV	54.00	-15.72	1.26 H	240	3.42	34.86
4	4824.00	60.17 PK	74.00	-13.83	1.00 H	11	19.51	40.66
4	**4824.00**	**52.84 AV**	**54.00**	**-1.16**	**1.00 H**	**11**	**12.18**	**40.66**

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	2390.00	54.09 PK	74.00	-19.91	1.33 V	304	20.26	33.83
1	2390.00	46.60 AV	54.00	-7.40	1.33 V	304	12.77	33.83
2	*2412.00	102.09 PK			1.33 V	304	68.16	33.93
2	*2412.00	94.60 AV			1.33 V	304	60.67	33.93
3	2688.00	48.67 PK	74.00	-25.33	1.20 V	159	13.81	34.86
3	2688.00	37.65 AV	54.00	-16.35	1.20 V	159	2.79	34.86
4	4824.00	57.61 PK	74.00	-16.39	1.32 V	354	16.95	40.66
4	4824.00	48.96 AV	54.00	-5.04	1.32 V	354	8.30	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	Mini- PCI CARD	**MODEL**	WLL3050
CHANNEL	6	**FREQUENCY RANGE**	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	**TESTED BY**	Rush Kao

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	*2437.00	105.35 PK			1.00 H	5	71.30	34.05
1	*2437.00	98.00 AV			1.00 H	5	63.95	34.05
2	2688.00	48.18 PK	74.00	-25.82	1.12 H	343	13.32	34.86
2	2688.00	40.11 AV	54.00	-13.89	1.12 H	343	5.25	34.86
3	4874.00	57.71 PK	74.00	-16.29	1.00 H	19	17.02	40.69
3	4874.00	49.66 AV	54.00	-4.34	1.00 H	19	8.97	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	*2437.00	103.70 PK			1.08 V	194	69.65	34.05
1	*2437.00	96.31 AV			1.08 V	194	62.26	34.05
2	2688.00	48.54 PK	74.00	-25.46	1.16 V	335	13.68	34.86
2	2688.00	40.28 AV	54.00	-13.72	1.16 V	335	5.42	34.86
3	4874.00	55.29 PK	74.00	-18.71	1.20 V	337	14.60	40.69
3	4874.00	45.68 AV	54.00	-8.32	1.20 V	337	4.99	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	Mini- PCI CARD	MODEL	WLL3050
CHANNEL	11	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	TESTED BY	Rush Kao

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	*2462.00	106.11 PK			1.00 H	5	71.95	34.16
1	*2462.00	99.08 AV			1.00 H	5	64.92	34.16
2	2483.50	57.91 PK	74.00	-16.09	1.00 H	5	23.65	34.26
2	2483.50	50.88 AV	54.00	-3.12	1.00 H	5	16.62	34.26
3	2688.00	50.31 PK	74.00	-23.69	1.07 H	351	15.45	34.86
3	2688.00	43.66 AV	54.00	-10.34	1.07 H	351	8.80	34.86
4	4924.00	58.28 PK	74.00	-15.72	1.07 H	19	17.42	40.86
4	4924.00	50.15 AV	54.00	-3.85	1.07 H	19	9.29	40.86

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	*2462.00	103.08 PK			1.06 V	315	68.92	34.16
1	*2462.00	95.66 AV			1.06 V	315	61.50	34.16
2	2483.50	54.88 PK	74.00	-19.12	1.06 V	315	20.62	34.26
2	2483.50	47.46 AV	54.00	-6.54	1.06 V	315	13.20	34.26
3	2688.00	49.92 PK	74.00	-24.08	1.00 V	315	15.06	34.86
3	2688.00	43.04 AV	54.00	-10.96	1.00 V	315	8.18	34.86
4	4924.00	56.04 PK	74.00	-17.96	1.00 V	13	15.18	40.86
4	4924.00	46.78 AV	54.00	-7.22	1.00 V	13	5.92	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.

4.2.8 TEST RESULTS (B)

EUT	Mini- PCI CARD	**MODEL**	WLL3050
CHANNEL	1	**FREQUENCY RANGE**	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	**TESTED BY**	Rush Kao

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	2390.00	60.64 PK	74.00	-13.36	1.00 H	343	26.81	33.83
1	2390.00	51.39 AV	54.00	-2.61	1.00 H	343	17.56	33.83
2	*2412.00	104.81 PK			1.00 H	343	70.88	33.93
2	*2412.00	95.56 AV			1.00 H	343	61.63	33.93
3	2688.00	48.16 PK	74.00	-25.84	1.06 H	210	13.30	34.86
3	2688.00	37.35 AV	54.00	-16.65	1.06 H	210	2.49	34.86
4	4824.00	57.46 PK	74.00	-16.54	1.30 H	2	16.80	40.66
4	4824.00	45.28 AV	54.00	-8.72	1.30 H	2	4.62	40.66

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	2390.00	56.02 PK	74.00	-17.98	1.29 V	304	22.19	33.83
1	2390.00	45.91 AV	54.00	-8.09	1.29 V	304	12.08	33.83
2	*2412.00	100.19 PK			1.29 V	304	66.26	33.93
2	*2412.00	90.08 AV			1.29 V	304	56.15	33.93
3	2688.00	47.72 PK	74.00	-26.28	1.24 V	44	12.86	34.86
3	2688.00	36.72 AV	54.00	-17.28	1.24 V	44	1.86	34.86
4	4824.00	56.61 PK	74.00	-17.39	1.22 V	216	15.95	40.66
4	4824.00	43.06 AV	54.00	-10.94	1.22 V	216	2.40	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	Mini- PCI CARD	**MODEL**	WLL3050
CHANNEL	6	**FREQUENCY RANGE**	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	**TESTED BY**	Rush Kao

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	*2437.00	104.10 PK			1.00 H	348	70.05	34.05
1	*2437.00	94.35 AV			1.00 H	348	60.30	34.05
2	2688.00	47.96 PK	74.00	-26.04	1.18 H	275	13.10	34.86
2	2688.00	38.52 AV	54.00	-15.48	1.18 H	275	3.66	34.86
3	4874.00	55.09 PK	74.00	-18.91	1.18 H	7	14.40	40.69
3	4874.00	42.89 AV	54.00	-11.11	1.18 H	7	2.20	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	*2437.00	98.61 PK			1.10 V	296	64.56	34.05
1	*2437.00	88.53 AV			1.10 V	296	54.48	34.05
2	2688.00	47.96 PK	74.00	-26.04	1.18 V	319	13.10	34.86
2	2688.00	37.66 AV	54.00	-16.34	1.18 V	319	2.80	34.86
3	4874.00	54.46 PK	74.00	-19.54	1.05 V	42	13.77	40.69
3	4874.00	41.63 AV	54.00	-12.37	1.05 V	42	0.94	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	Mini- PCI CARD	MODEL	WLL3050
CHANNEL	11	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 63% RH, 991 hPa	TESTED BY	Rush Kao

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	*2462.00	103.39 PK			1.17 H	348	69.23	34.16
1	*2462.00	93.63 AV			1.17 H	348	59.47	34.16
2	2483.50	58.08 PK	74.00	-15.92	1.17 H	348	23.82	34.26
2	2483.50	48.32 AV	54.00	-5.68	1.17 H	348	14.06	34.26
3	2688.00	47.61 PK	74.00	-26.39	1.00 H	10	12.75	34.86
3	2688.00	39.38 AV	54.00	-14.62	1.00 H	10	4.52	34.86
4	4924.00	56.35 PK	74.00	-17.65	1.13 H	358	15.49	40.86
4	4924.00	42.93 AV	54.00	-11.07	1.13 H	358	2.07	40.86

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	*2462.00	100.09 PK			1.09 V	2	65.93	34.16
1	*2462.00	90.37 AV			1.09 V	2	56.21	34.16
2	2483.50	54.78 PK	74.00	-19.22	1.09 V	2	20.52	34.26
2	2483.50	45.06 AV	54.00	-8.94	1.09 V	2	10.80	34.26
3	2688.00	54.96 PK	74.00	-19.04	1.00 V	94	20.10	34.86
3	2688.00	47.43 AV	54.00	-6.57	1.00 V	94	12.57	34.86
4	4924.00	60.76 PK	74.00	-13.24	1.00 V	12	19.90	40.86
4	4924.00	48.10 AV	54.00	-5.90	1.00 V	12	7.24	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 0.5 MHz.

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.

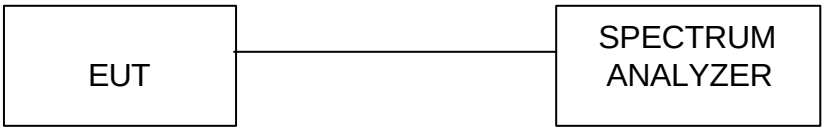
4.3.3 TEST PROCEDURE

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

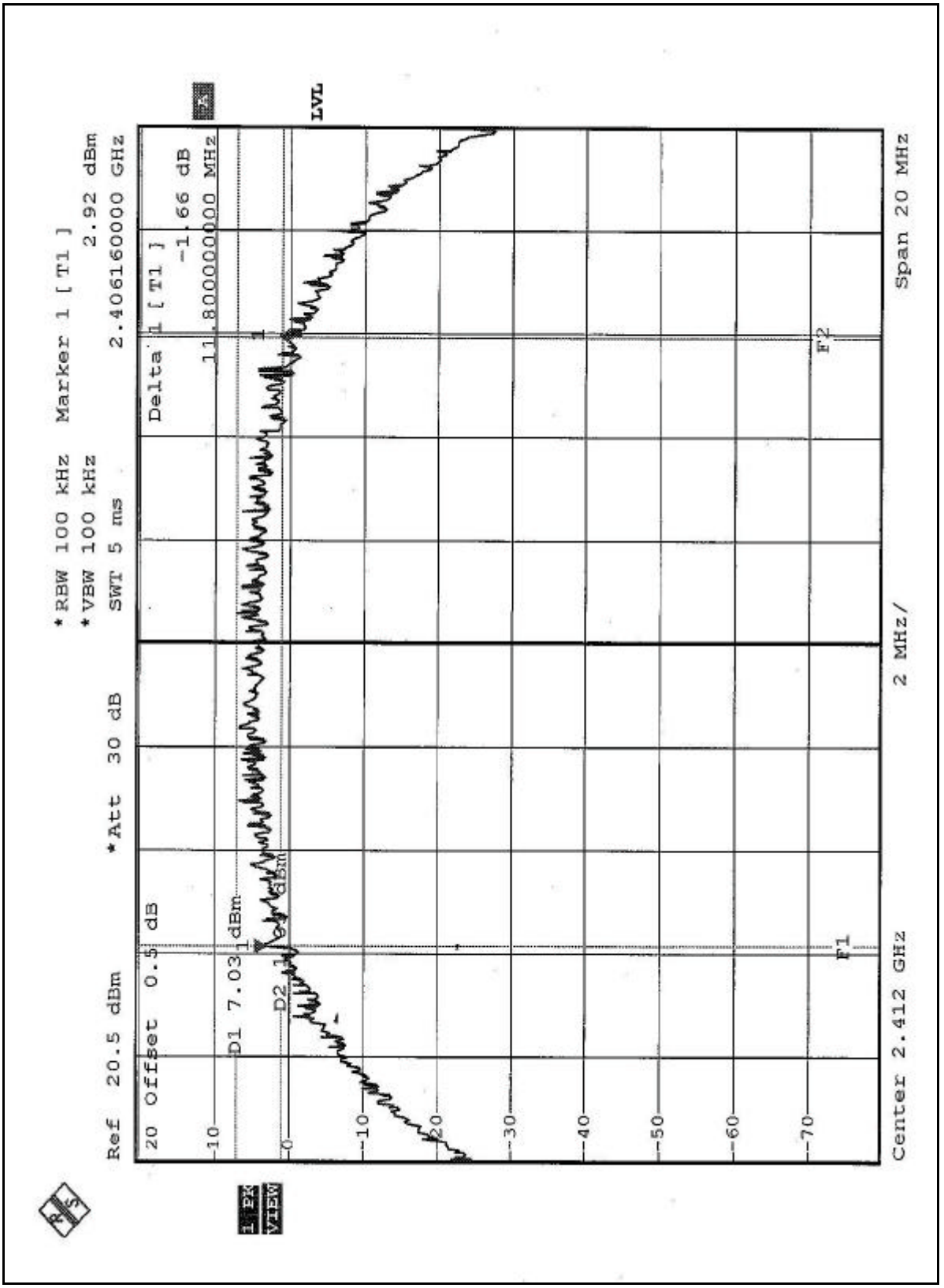
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS (A)

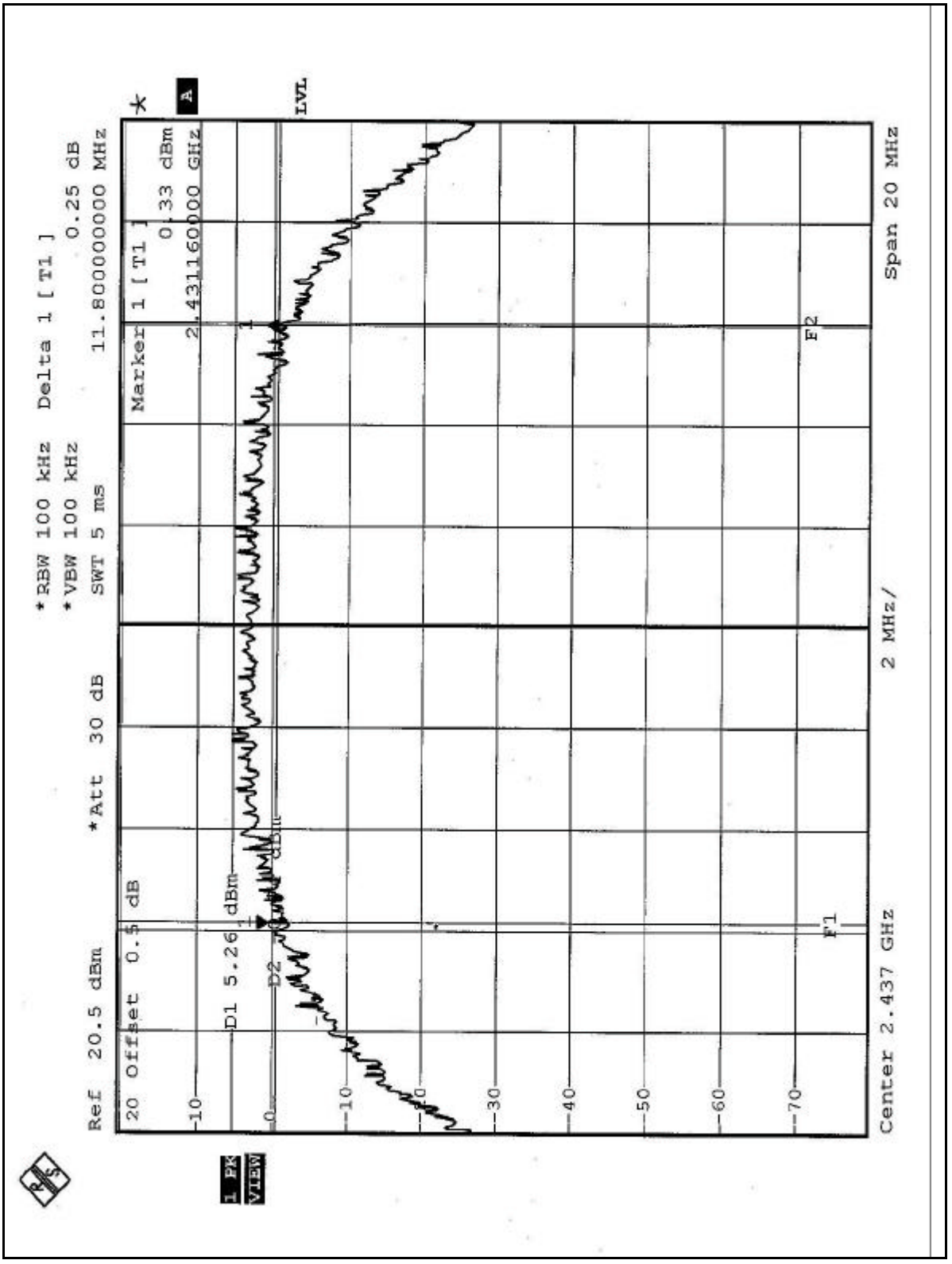
EUT	Mini- PCI CARD	**MODEL**	WLL3050
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24deg. C, 64%RH, 991hPa
TESTED BY: Leo Hung			

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	11.80	0.5	PASS
6	2437	11.80	0.5	PASS
11	2462	11.88	0.5	PASS

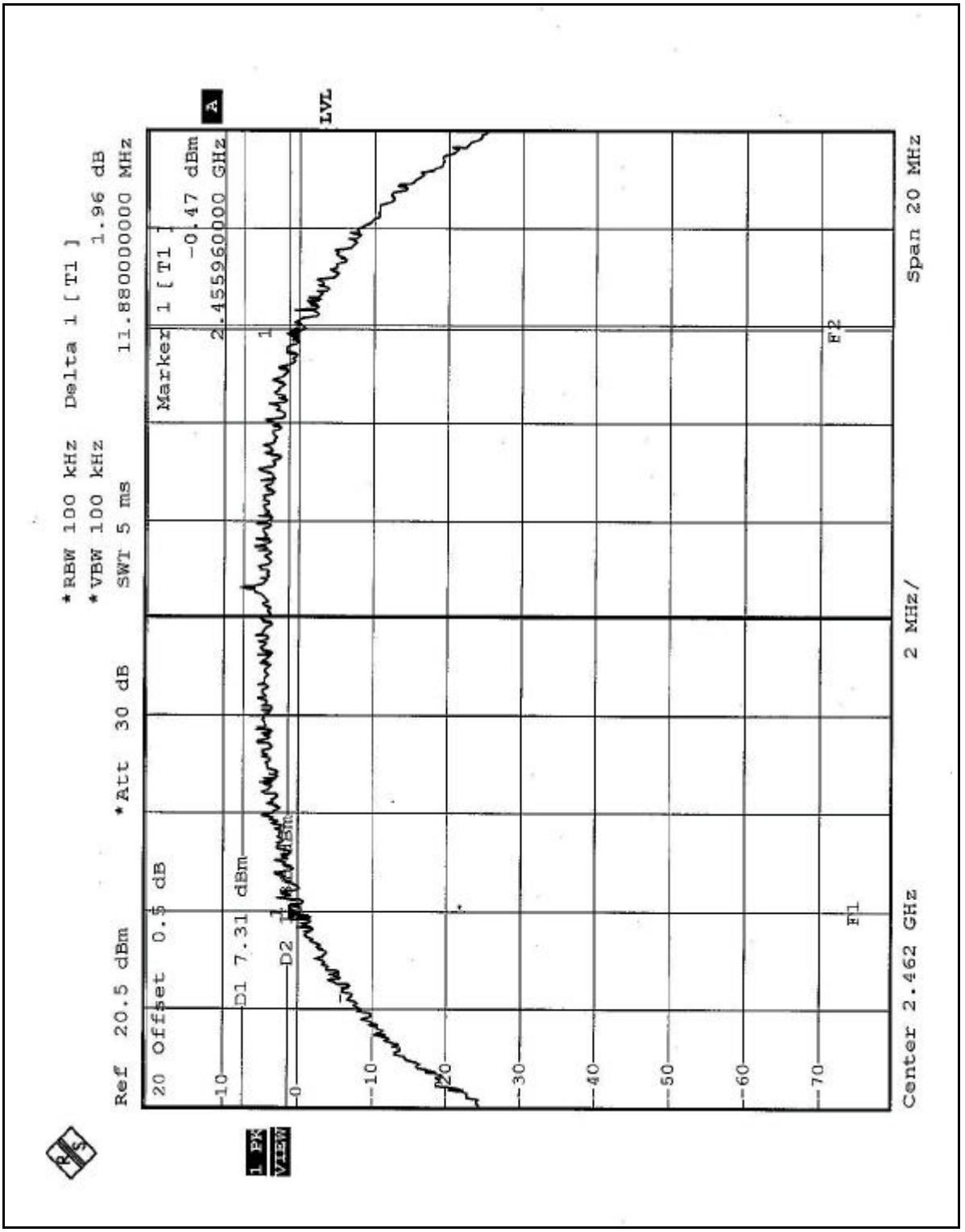
CH1


*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Marker 1 [T1]
2.92 dBm
2.406160000 GHz
Delta 1 [T1]
-1.66 dB
11.800000000 MHz
Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
D1 7.03 dBm
D2
Center 2.412 GHz
2 MHz/
Span 20 MHz
F1
F2
LVL
CLRWR
MAXH

CH6


RBW 100 kHz
VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
0.25 dB
11.800000000 MHz
Marker 1 [T1]
0.33 dBm
2.431160000 GHz
Ref 20.5 dBm
Offset 0.5 dB
Att 30 dB
D1 5.26 dBm
Center 2.437 GHz
2 MHz/
Span 20 MHz
1 PK VIEW

CH11

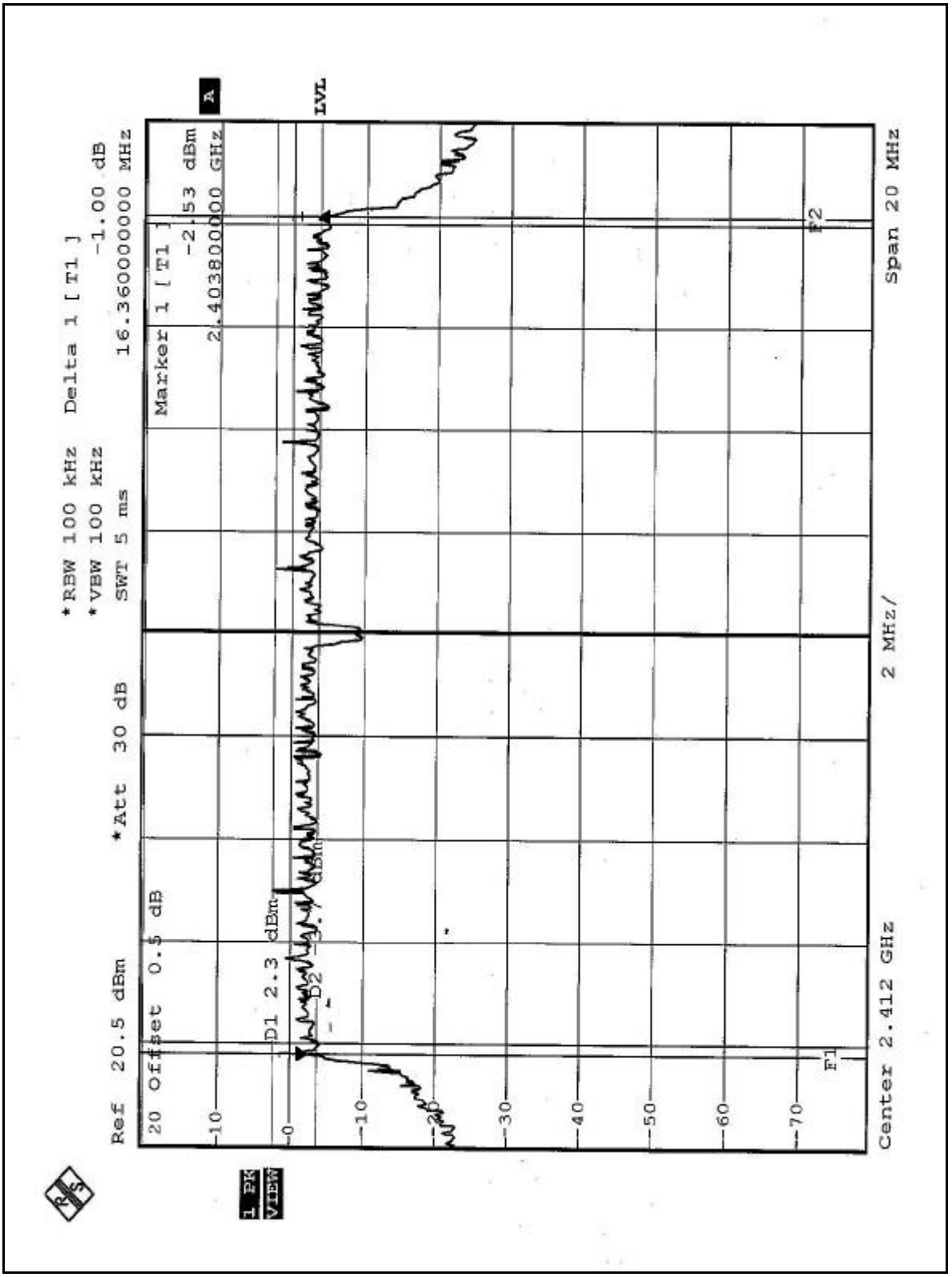

Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
1.96 dB
11.880000000 MHz
Marker 1 [T1]
-0.47 dBm
2.455960000 GHz
D1 7.31 dBm
D2
Center 2.462 GHz
2 MHz/
Span 20 MHz
F1
F2
A
LVL
1 PK
VIEW

4.3.8 TEST RESULTS (B)

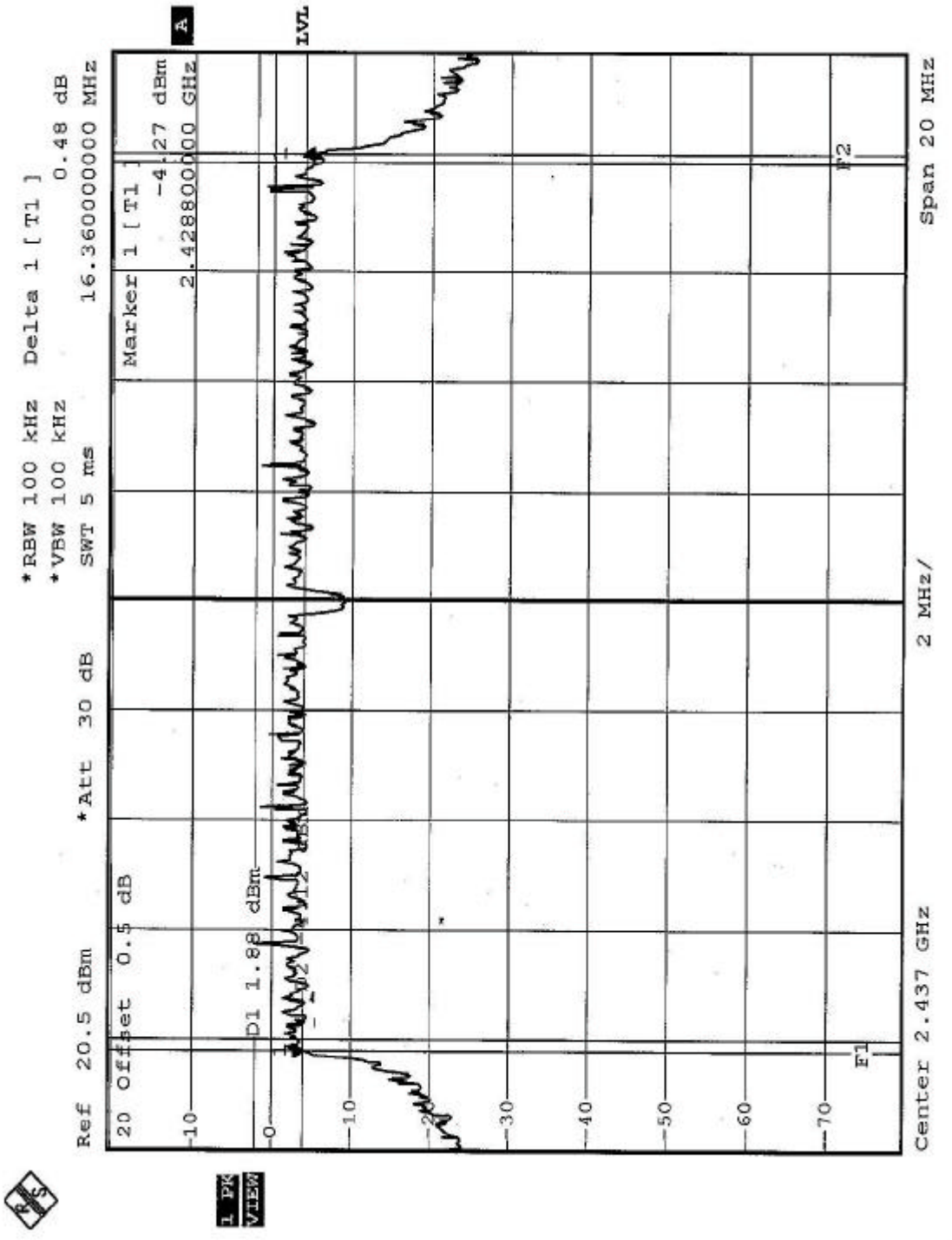
EUT	Mini-PCI CARD	**MODEL**	WLL3050
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	24deg. C, 64%RH, 991hPa
TESTED BY: Leo Hung			

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

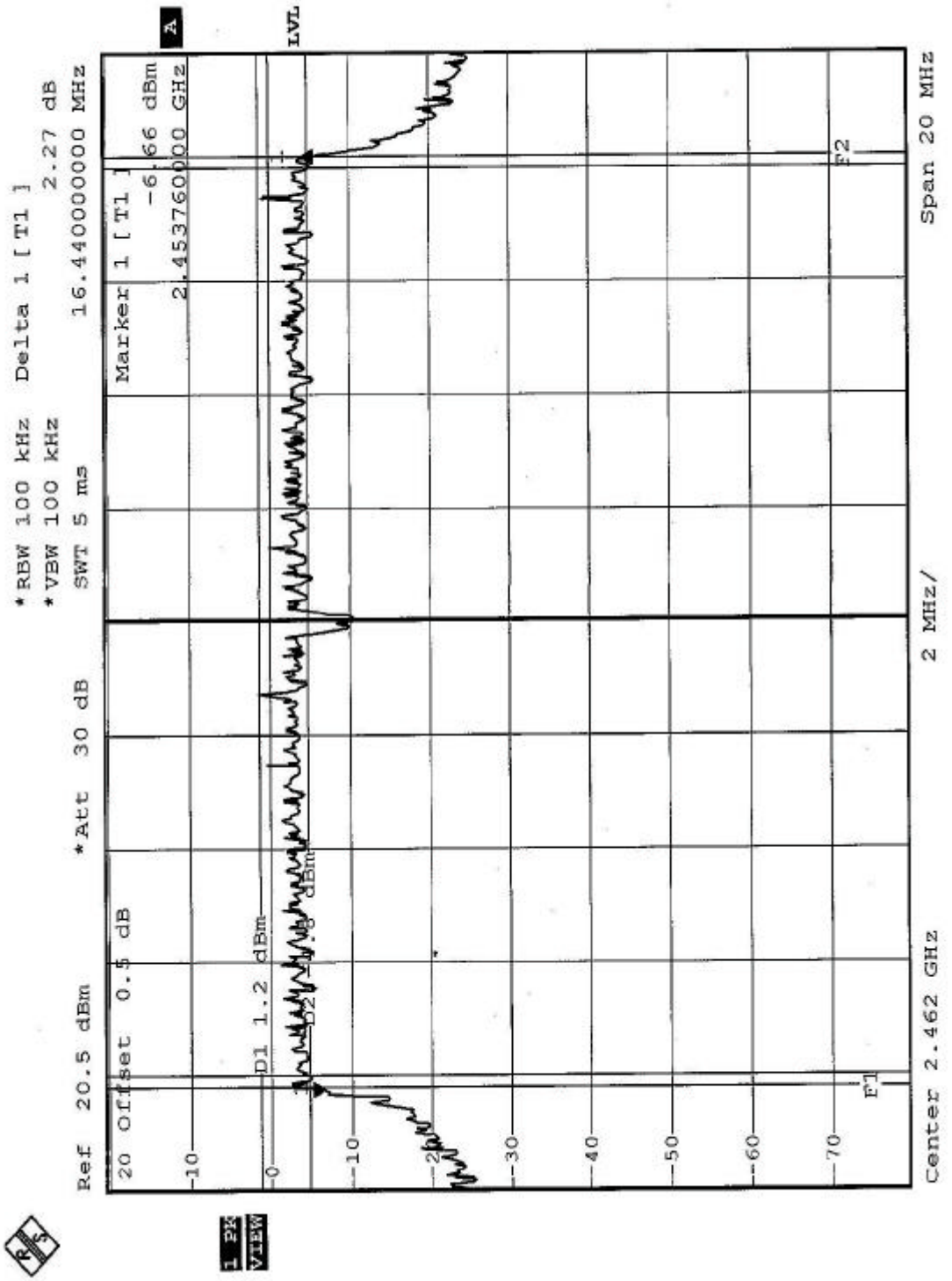
CH1


RBW 100 kHz
VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
-1.00 dB
16.360000000 MHz
Marker 1 [T1]
-2.53 dBm
2.403800000 GHz
Ref 20.5 dBm
Offset 0.5 dB
Att 30 dB
D1 2.3 dBm
Center 2.412 GHz
2 MHz/
Span 20 MHz
1 PK
VIEW

CH6


Ref 20.5 dBm
20 Offset 0.5 dB
D1 1.88 dBm
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 5 ms
Delta 1 [T1] 0.48 dB
16.360000000 MHz
Marker 1 [T1]
-4.27 dBm
2.428800000 GHz
Center 2.437 GHz
2 MHz/
Span 20 MHz
1 PK VIEW

CH11


RBW 100 kHz
VBW 100 kHz
SWT 5 ms
Delta 1 [T1]
2.27 dB
16.440000000 MHz
Marker 1 [T1]
-6.66 dBm
2.453760000 GHz
Ref 20.5 dBm
Offset 0.5 dB
Att 30 dB
D1 1.2 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. 01, 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.

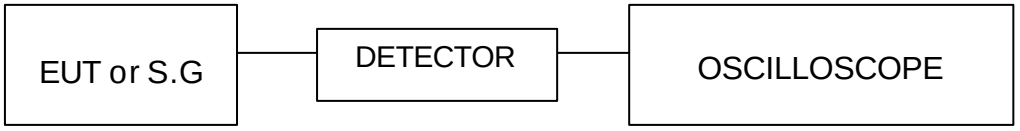
4.4.3 TEST PROCEDURES

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	Mini-PCI CARD	MODEL	WLL3050
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa
TESTED BY: Leo Hung			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	47.424	16.76	30	PASS
6	2437	48.195	16.83	30	PASS
11	2462	48.084	16.82	30	PASS

4.4.8 TEST RESULTS (B)

EUT	Mini-PCI CARD	MODEL	WLL3050
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa
TESTED BY: Leo Hung			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	47.315	16.75	30	PASS
6	2437	47.643	16.78	30	PASS
11	2462	48.084	16.82	30	PASS