FCC TEST REPORT

REPORT NO.:	RF910514R03
MODEL NO.:	SL-2511BG PLUS (for Brand: SENAO) EL-2511BG PLUS (for Brand: EnGenius) RB-8100 (for Brand: SendFar)
RECEIVED:	May 14, 2002
TESTED:	June 24 ~ August 8, 2002

APPLICANT:	SENAO INTERNATIONAL CO., LTD.
ADDRESS:	2F, No. 531 CHUNG CHENG RD., HSIN-TIEN, TAIPEI, TAIWAN, R. O. C.

ISSUED BY:	Advance Data Technology Corporation
LAB LOCATION:	47 14th Lin, Chiapau Tsun, Linko, Taipei, Taiwan, R.O.C.

0528
ILAC MRA

Lab Code: 200102-0

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1 CERTIFICATION

PRODUCT :	Wireless Outdoor Bridge
MODEL NO. :	SL-2511BG PLUS (for Brand: SENAO) EL-2511BG PLUS (for Brand: EnGenius) RB-8100 (for Brand: SendFar)
APPLICANT :	SENAO INTERNATIONAL CO., LTD.
STANDARDS :	47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-1992

We, **Advance Data Technology Corporation**, hereby certify that one sample of the designation has been tested in our facility from June 24 ~ August 8, 2002. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

CHECKED BY: Rennie Wang , **DATE:** August 26, 2002

Rennie Wang

APPROVED BY: Alan Lane **DATE:** August 26, 2002

Dr. Alan Lane
Manager

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard Section	**Test Type and Limit**	**Result**	**REMARK**
15.207	AC Power Conducted Emission Limit: 48dBuV	PASS	Meet the requirement of limit Minimum passing margin is –2.01dBuV at 8.764MHz
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)	Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is –3.90dBuV at 2088.00MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit
15.247(c)	Band Edge Measurement Limit: 20dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless Outdoor Bridge
MODEL NO.	SL-2511BG PLUS (for Brand: SENAO) EL-2511BG PLUS (for Brand: EnGenius) RB-8100 (for Brand: SendFar)
POWER SUPPLY	48VDC from POE
MODULATION TYPE	BPSK, QPSK, CCK
RADIO TECHNOLOGY	DSSS
TRANSFER RATE	1/2/5.5/11Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	17.98dBm
DATA CABLE	NA
ANTENNA TYPE	Patch, GP and Dipole Antenna
I/O PORTS	RJ45
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT was operated with following POE (Power over Ethernet):

Model No.:	F9191-48
Input power :	100-240VAC 2A 50-60Hz
Output power :	48V---0.8A

2. Four sets of antenna were provided to this EUT. Please see as follows:

Item	Antenna	Antenna Gain(dBi)
1	Patch	11
2	Patch	9
3	GP	6
4	Dipole	4

3. 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 1 GHz, the channel 1, 6, and 11 were pre-tested in chamber. The channel 11, worst case one, was chosen for final test.
2. Above 1 GHz, the channel 1, 6, and 11 were tested individually.
3. Four test results were provided to this EUT. The test result A was for item 1(please refer to NOTE 2 of section 3.1), B was for item 2, C was for item 3, and D was for item 4.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless Outdoor Bridge. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC CFR 47 Part 15, Subpart C. (15.247)

ANSI C63.4 : 1992

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	FAST ETHERNET PC CARD	D-Link	DFE-680TXD	RE1A044413	MQ4FE2K5MX
3	PRINTER	EPSON	LQ-300+	DCGY017076	FCC DoC APPROVED

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

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

4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.45 – 30	48	-

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. All emanations from a class 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
ROHDE & SCHWARZ Test Receiver	ESCS30	847793/022	Mar. 12, 2003
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH2-Z5	828075/003	Jul. 23, 2003
ROHDE & SCHWARZ 200-A Four-line V-Network	ENV4200	830326/018	Oct. 25, 2002
* ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Dec. 2, 2002
* ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Dec. 2, 2002
EMCO-L.I.S.N. (for peripheral)	3825/2	90031627	Jul. 23, 2003
Software	Cond-V2L	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C05.01	Jul. 23, 2003
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-305	Feb. 20, 2003
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-306	Feb. 20, 2003
Shielded Room	Site 5	ADT-C05	NA
VCCI Site Registration No.	Site 5	C-1093	NA

NOTE: 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. "*": These equipment are used for conducted telecom port test only (if tested).
4. The test was performed in ADT Open Site No. 5.

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.

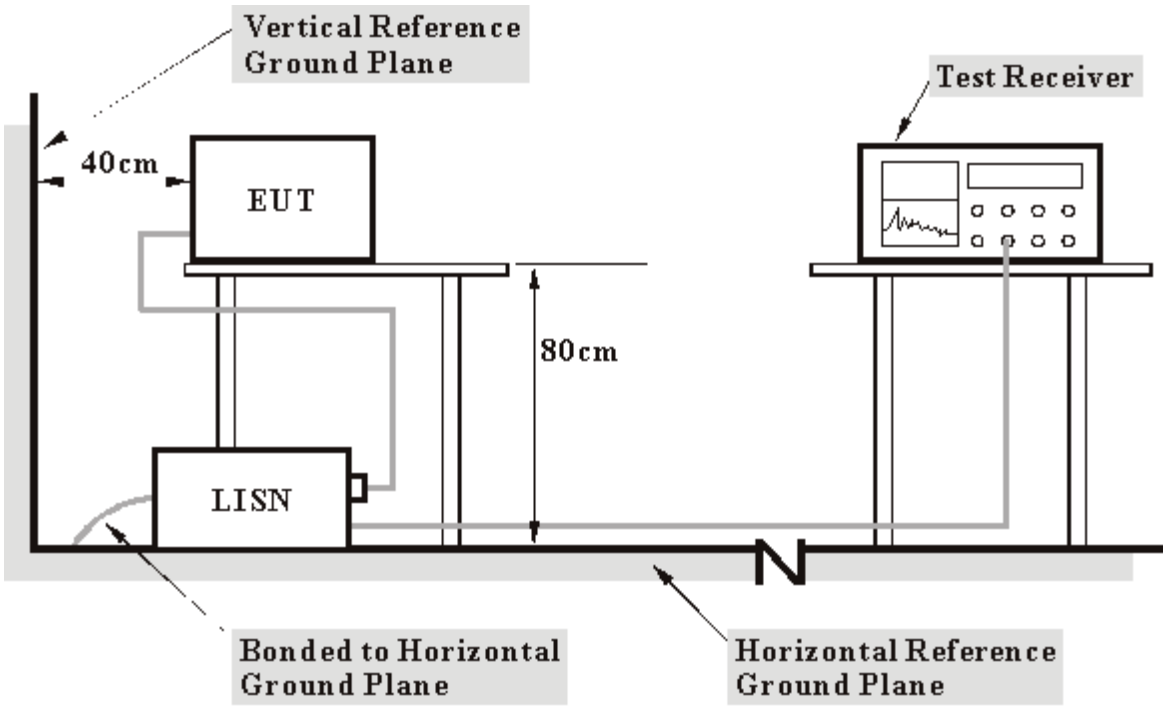
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 450 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported

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

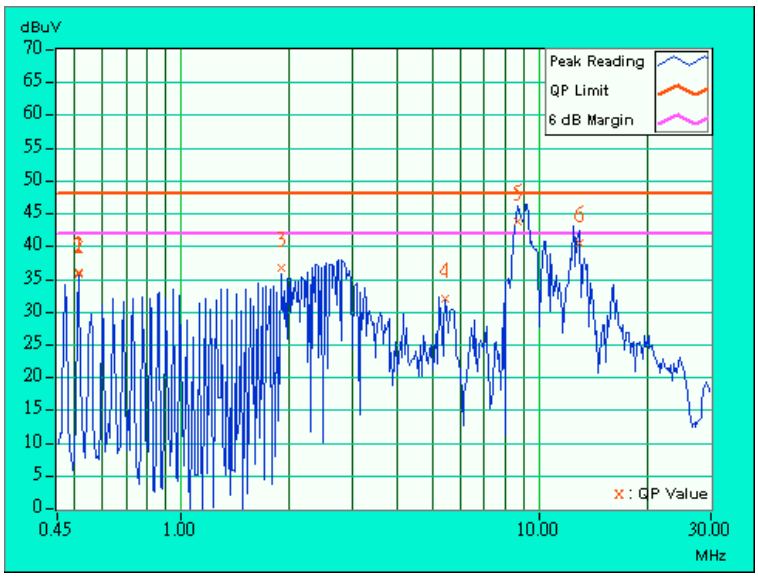
a. Placed the EUT on the testing table.
b. Prepared another computer system to act as a communication partner and placed it outside of testing area.
c. The communication partner run a test program to enable EUT under transmission/receiving condition continuously at specific channel frequency via an RJ 45 cable.
d. The communication partner sent data to EUT by command "PIN".

4.1.7 TEST RESULTS (A)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.60	-	35.72	-	48.00	-	-12.28	-
2	0.516	0.12	35.36	-	35.48	-	48.00	-	-12.52	-
3	1.895	0.20	36.30	-	36.50	-	48.00	-	-11.50	-
4	5.422	0.32	31.48	-	31.80	-	48.00	-	-16.20	-
5	8.677	0.38	43.49	-	43.87	-	48.00	-	-4.13	-
6	12.859	0.46	40.19	-	40.65	-	48.00	-	-7.35	-

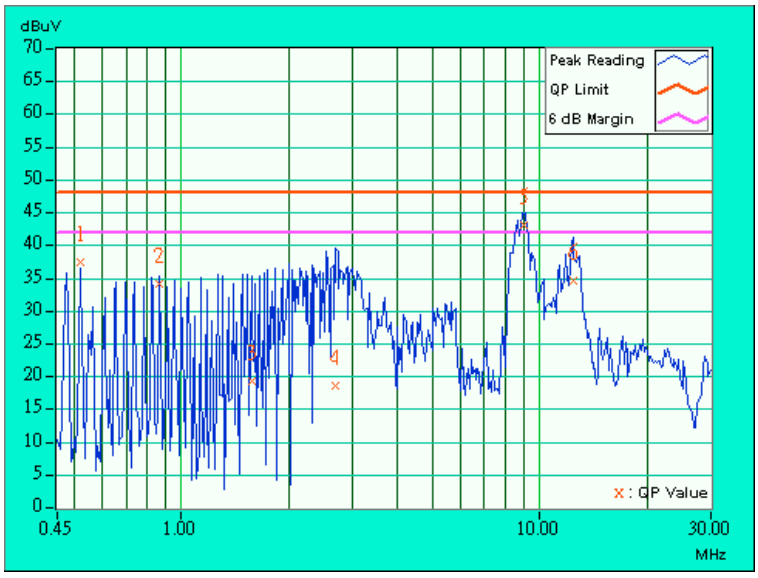
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.520	0.12	36.92	-	37.04	-	48.00	-	-10.96	-
2	0.868	0.18	33.69	-	33.87	-	48.00	-	-14.13	-
3	1.566	0.20	18.90	-	19.10	-	48.00	-	-28.90	-
4	2.695	0.23	18.13	-	18.36	-	48.00	-	-29.64	-
5	9.051	0.38	42.69	-	43.07	-	48.00	-	-4.93	-
6	12.355	0.49	34.23	-	34.72	-	48.00	-	-13.28	-

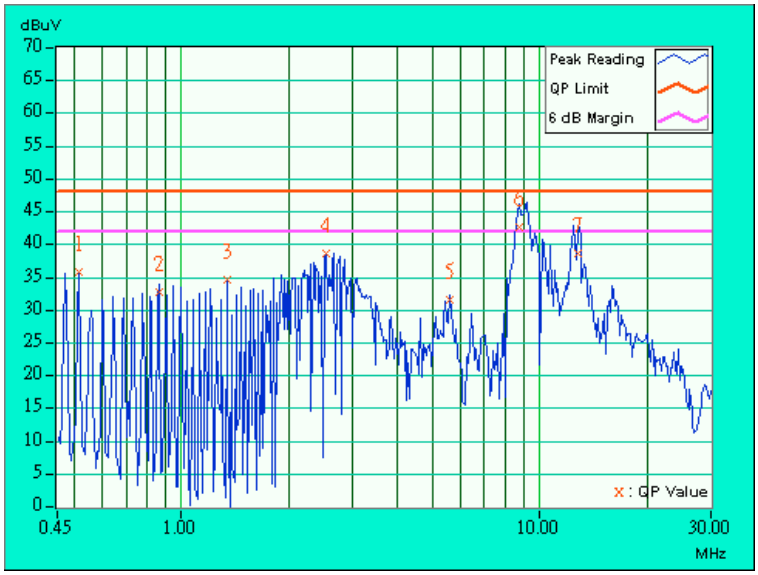
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.46	-	35.58	-	48.00	-	-12.42	-
2	0.864	0.18	32.39	-	32.57	-	48.00	-	-15.43	-
3	1.336	0.20	34.23	-	34.43	-	48.00	-	-13.57	-
4	2.543	0.23	38.16	-	38.39	-	48.00	-	-9.61	-
5	5.625	0.33	31.12	-	31.45	-	48.00	-	-16.55	-
6	8.751	0.38	42.27	-	42.65	-	48.00	-	-5.35	-
7	12.773	0.46	38.31	-	38.77	-	48.00	-	-9.23	-

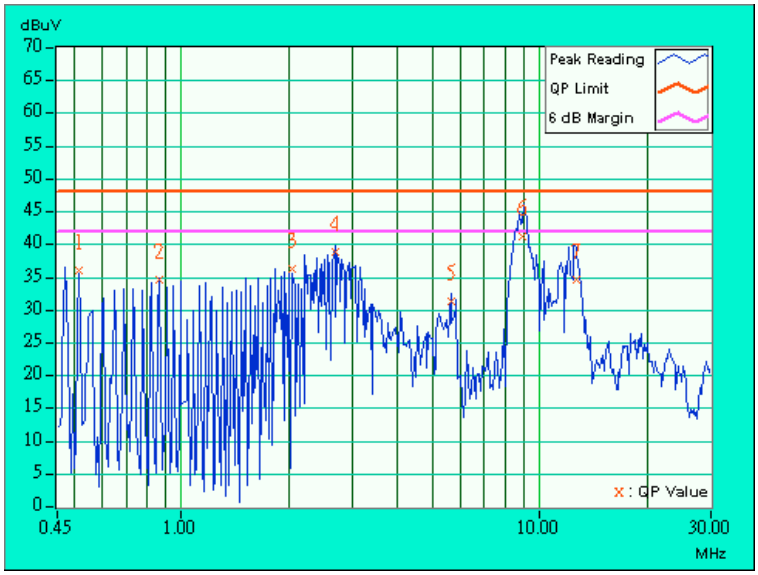
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.47	-	35.59	-	48.00	-	-12.41	-
2	0.864	0.18	34.24	-	34.42	-	48.00	-	-13.58	-
3	2.031	0.20	35.88	-	36.08	-	48.00	-	-11.92	-
4	2.680	0.23	38.35	-	38.58	-	48.00	-	-9.42	-
5	5.633	0.33	30.78	-	31.11	-	48.00	-	-16.89	-
6	8.898	0.38	40.78	-	41.16	-	48.00	-	-6.84	-
7	12.602	0.50	34.17	-	34.67	-	48.00	-	-13.33	-

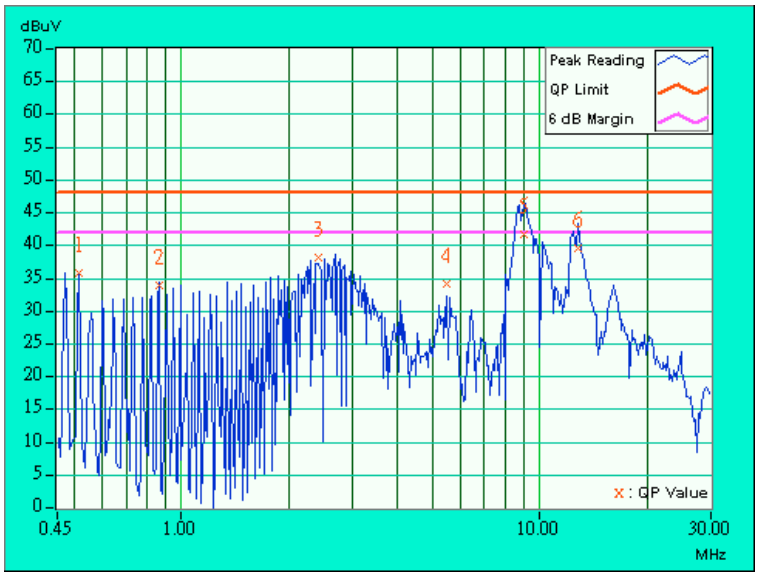
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.46	-	35.58	-	48.00	-	-12.42	-
2	0.864	0.18	33.43	-	33.61	-	48.00	-	-14.39	-
3	2.414	0.22	37.71	-	37.93	-	48.00	-	-10.07	-
4	5.520	0.33	33.72	-	34.05	-	48.00	-	-13.95	-
5	9.063	0.38	41.26	-	41.64	-	48.00	-	-6.36	-
6	12.770	0.46	39.23	-	39.69	-	48.00	-	-8.31	-

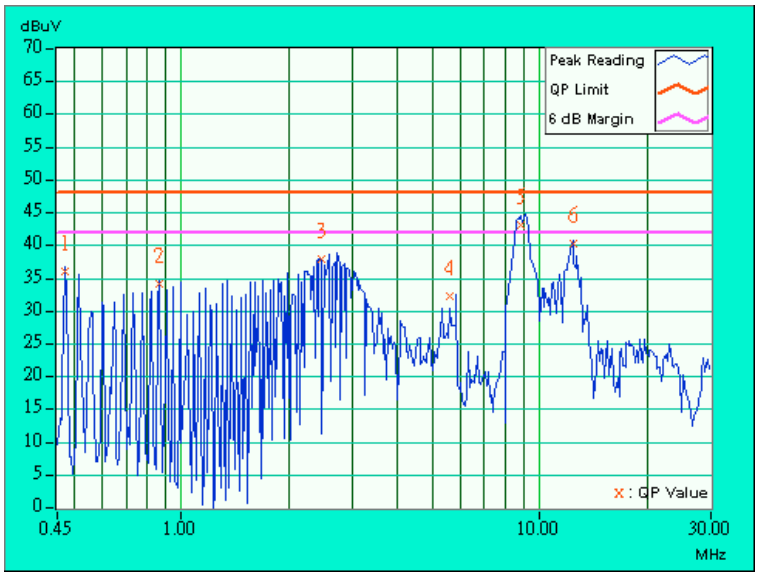
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.473	0.11	35.68	-	35.79	-	48.00	-	-12.21	-
2	0.864	0.18	33.66	-	33.84	-	48.00	-	-14.16	-
3	2.461	0.22	37.55	-	37.77	-	48.00	-	-10.23	-
4	5.629	0.33	31.88	-	32.21	-	48.00	-	-15.79	-
5	8.824	0.38	42.59	-	42.97	-	48.00	-	-5.03	-
6	12.371	0.49	39.87	-	40.36	-	48.00	-	-7.64	-

Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

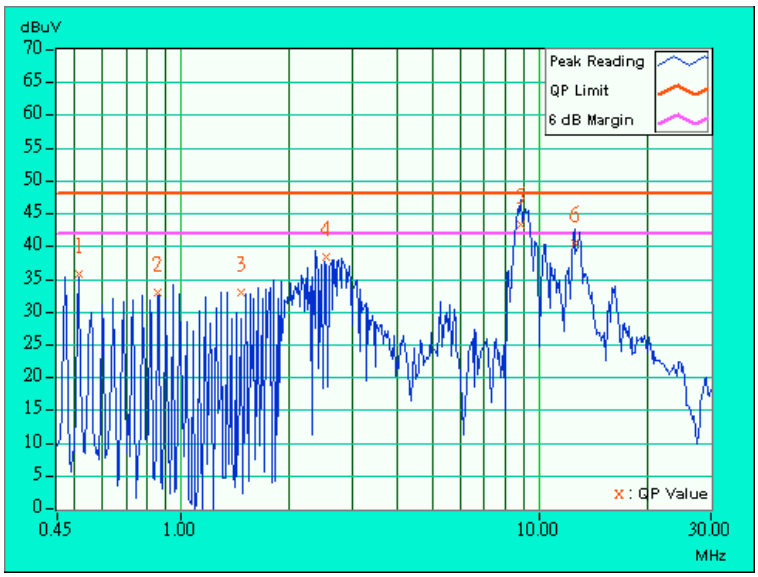


4.1.8 TEST RESULTS (B)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.34	-	35.46	-	48.00	-	-12.54	-
2	0.860	0.18	32.49	-	32.67	-	48.00	-	-15.33	-
3	1.461	0.20	32.54	-	32.74	-	48.00	-	-15.26	-
4	2.539	0.23	37.99	-	38.22	-	48.00	-	-9.78	-
5	8.836	0.38	42.93	-	43.31	-	48.00	-	-4.69	-
6	12.547	0.45	40.19	-	40.64	-	48.00	-	-7.36	-

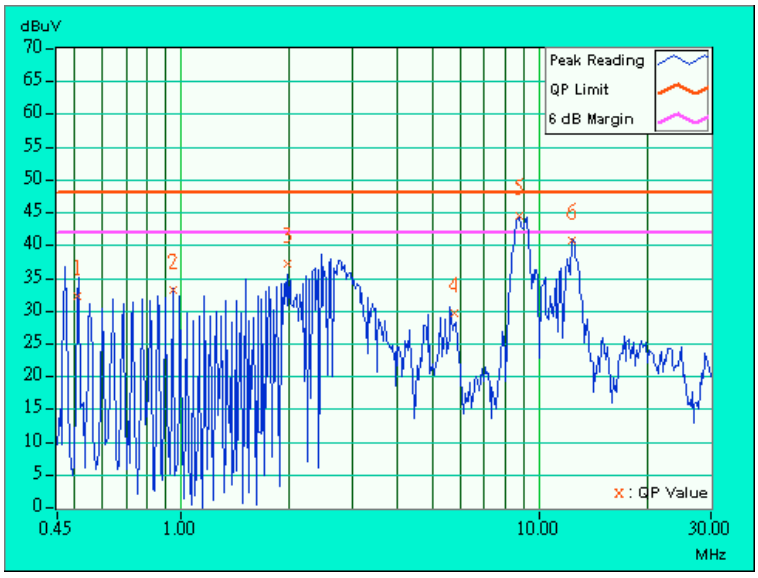
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.513	0.12	31.78	-	31.90	-	48.00	-	-16.10	-
2	0.946	0.19	32.75	-	32.94	-	48.00	-	-15.06	-
3	1.977	0.20	36.65	-	36.85	-	48.00	-	-11.15	-
4	5.770	0.33	29.21	-	29.54	-	48.00	-	-18.46	-
5	8.770	0.38	43.95	-	44.33	-	48.00	-	-3.67	-
6	12.328	0.49	40.24	-	40.73	-	48.00	-	-7.27	-

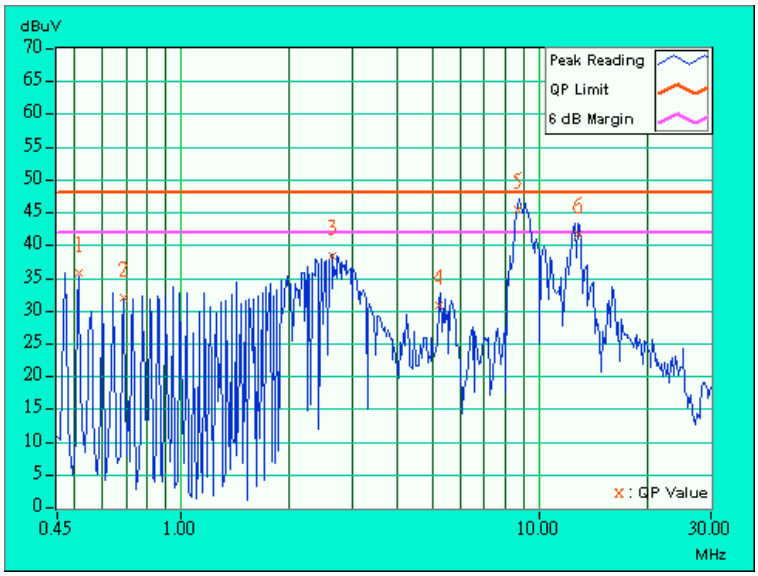
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.34	-	35.46	-	48.00	-	-12.54	-
2	0.688	0.15	31.63	-	31.78	-	48.00	-	-16.22	-
3	2.625	0.23	37.92	-	38.15	-	48.00	-	-9.85	-
4	5.207	0.32	30.37	-	30.69	-	48.00	-	-17.31	-
5	8.684	0.38	45.05	-	45.43	-	48.00	-	-2.57	-
6	12.789	0.46	41.17	-	41.63	-	48.00	-	-6.37	-

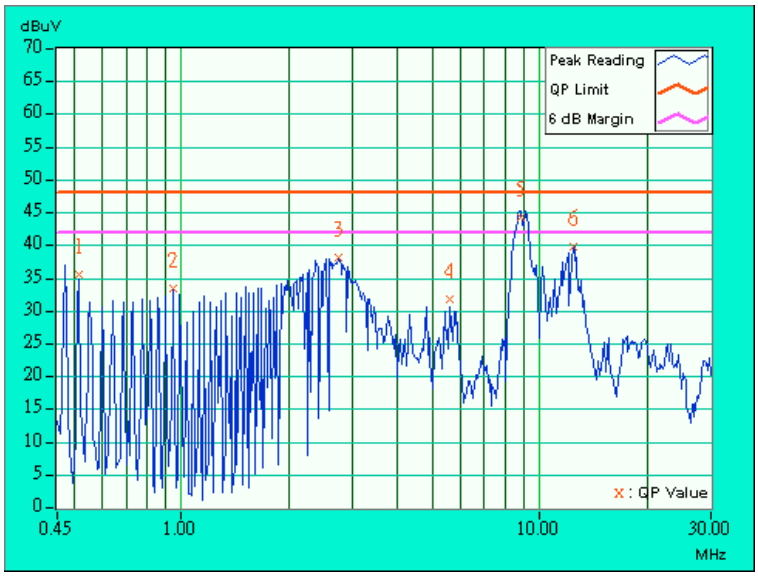
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	34.98	-	35.10	-	48.00	-	-12.90	-
2	0.946	0.19	32.87	-	33.06	-	48.00	-	-14.94	-
3	2.750	0.24	37.58	-	37.82	-	48.00	-	-10.18	-
4	5.617	0.33	31.32	-	31.65	-	48.00	-	-16.35	-
5	8.848	0.38	43.85	-	44.23	-	48.00	-	-3.77	-
6	12.402	0.50	39.40	-	39.90	-	48.00	-	-8.10	-

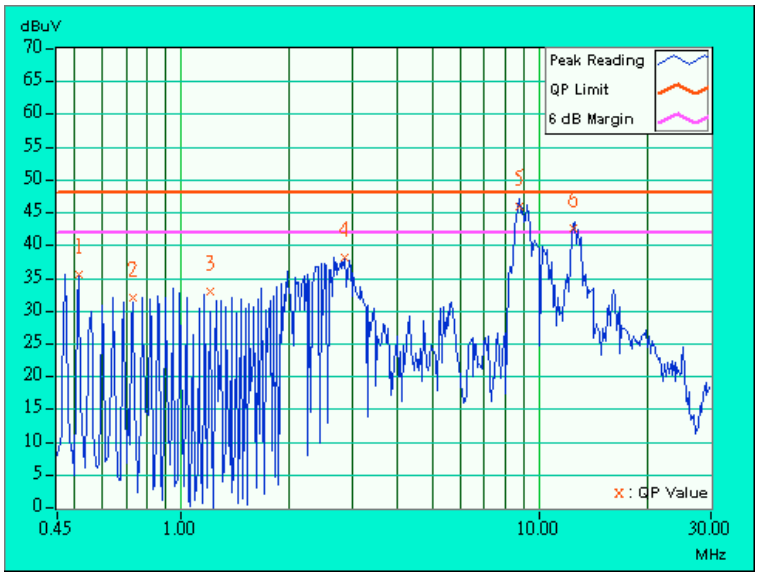
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.24	-	35.36	-	48.00	-	-12.64	-
2	0.731	0.16	31.69	-	31.85	-	48.00	-	-16.15	-
3	1.203	0.20	32.63	-	32.83	-	48.00	-	-15.17	-
4	2.840	0.24	37.81	-	38.05	-	48.00	-	-9.95	-
5	8.764	0.38	45.61	-	45.99	-	48.00	-	-2.01	-
6	12.398	0.45	42.10	-	42.55	-	48.00	-	-5.45	-

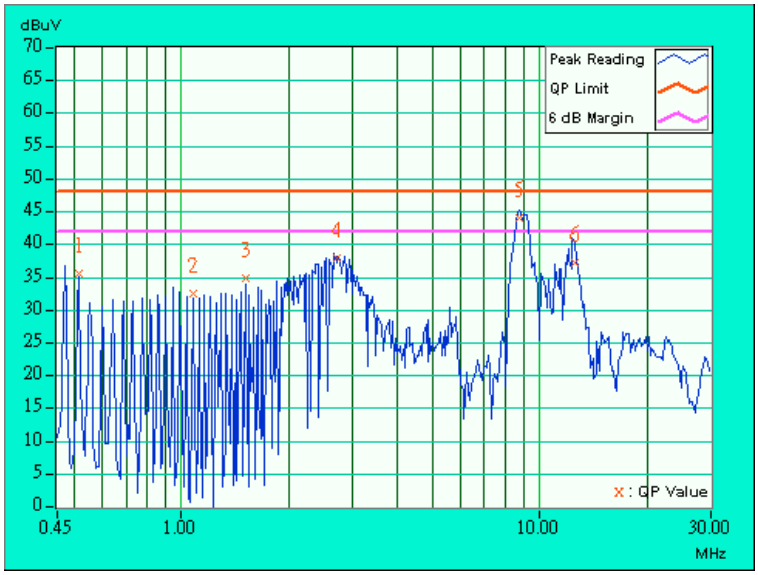
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	35.18	-	35.30	-	48.00	-	-12.70	-
2	1.074	0.20	31.98	-	32.18	-	48.00	-	-15.82	-
3	1.504	0.20	34.34	-	34.54	-	48.00	-	-13.46	-
4	2.707	0.24	37.51	-	37.75	-	48.00	-	-10.25	-
5	8.766	0.38	43.47	-	43.85	-	48.00	-	-4.15	-
6	12.477	0.50	36.83	-	37.33	-	48.00	-	-10.67	-

Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

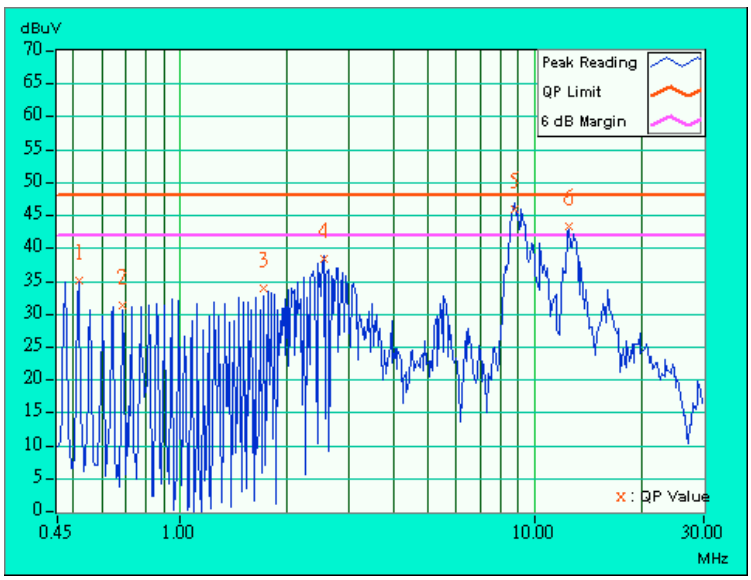


4.1.9 TEST RESULTS (C)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	34.70	-	34.82	-	48.00	-	-13.18	-
2	0.688	0.15	30.79	-	30.94	-	48.00	-	-17.06	-
3	1.719	0.20	33.51	-	33.71	-	48.00	-	-14.29	-
4	2.535	0.23	38.07	-	38.30	-	48.00	-	-9.70	-
5	8.780	0.38	45.55	-	45.93	-	48.00	-	-2.07	-
6	12.500	0.45	42.96	-	43.41	-	48.00	-	-4.59	-

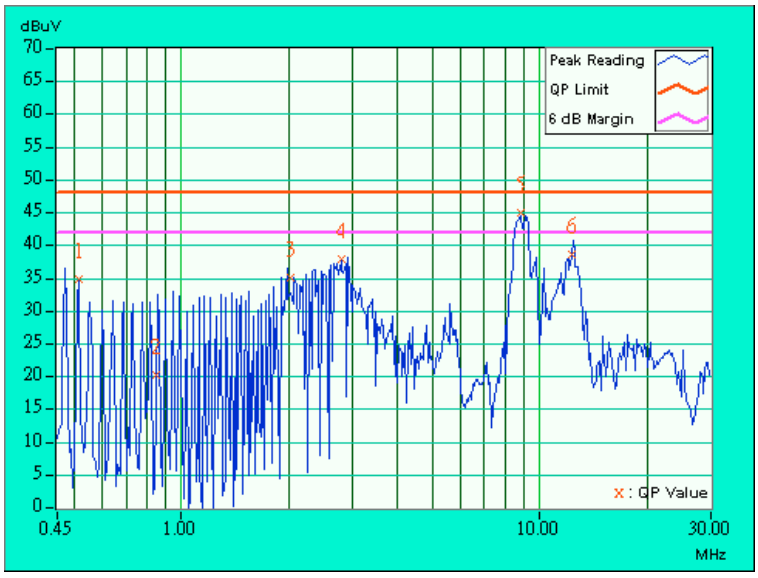
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	34.39	-	34.51	-	48.00	-	-13.49	-
2	0.852	0.18	19.72	-	19.90	-	48.00	-	-28.10	-
3	2.020	0.20	34.64	-	34.84	-	48.00	-	-13.16	-
4	2.793	0.24	37.49	-	37.73	-	48.00	-	-10.27	-
5	8.852	0.38	44.44	-	44.82	-	48.00	-	-3.18	-
6	12.250	0.49	38.12	-	38.61	-	48.00	-	-9.39	-

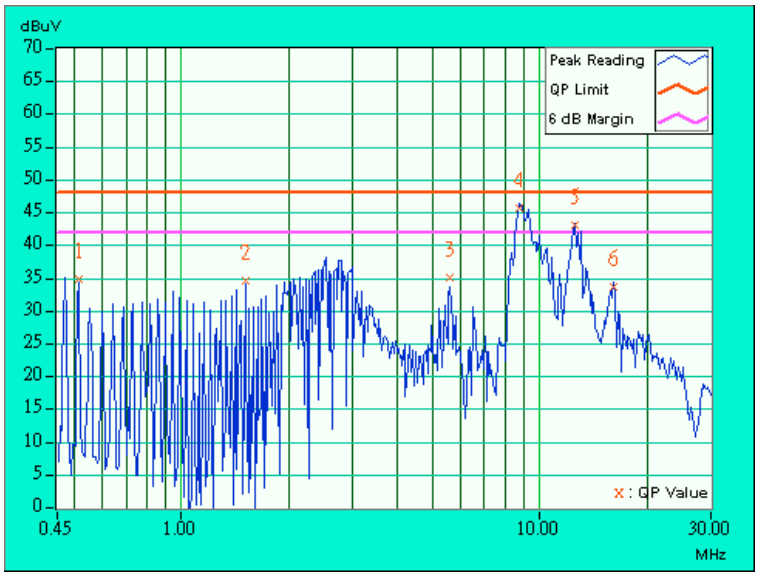
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.516	0.12	34.29	-	34.41	-	48.00	-	-13.59	-
2	1.504	0.20	34.07	-	34.27	-	48.00	-	-13.73	-
3	5.617	0.33	34.57	-	34.90	-	48.00	-	-13.10	-
4	8.777	0.38	45.16	-	45.54	-	48.00	-	-2.46	-
5	12.496	0.45	42.57	-	43.02	-	48.00	-	-4.98	-
6	16.055	0.52	33.24	-	33.76	-	48.00	-	-14.24	-

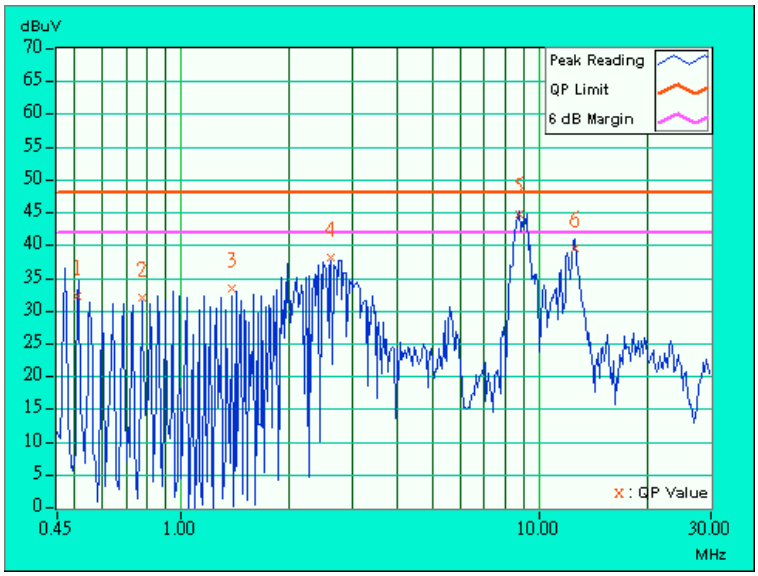
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.513	0.12	31.68	-	31.80	-	48.00	-	-16.20	-
2	0.774	0.16	31.67	-	31.83	-	48.00	-	-16.17	-
3	1.375	0.20	33.01	-	33.21	-	48.00	-	-14.79	-
4	2.621	0.23	37.64	-	37.87	-	48.00	-	-10.13	-
5	8.773	0.38	44.39	-	44.77	-	48.00	-	-3.23	-
6	12.488	0.50	39.18	-	39.68	-	48.00	-	-8.32	-

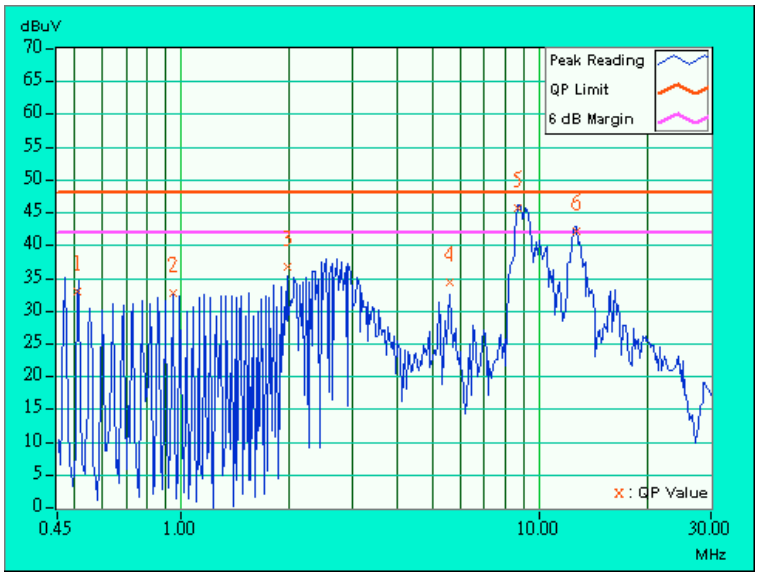
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.513	0.12	32.43	-	32.55	-	48.00	-	-15.45	-
2	0.946	0.19	32.31	-	32.50	-	48.00	-	-15.50	-
3	1.977	0.20	36.25	-	36.45	-	48.00	-	-11.55	-
4	5.617	0.33	34.03	-	34.36	-	48.00	-	-13.64	-
5	8.698	0.38	45.23	-	45.61	-	48.00	-	-2.39	-
6	12.652	0.45	41.63	-	42.08	-	48.00	-	-5.92	-

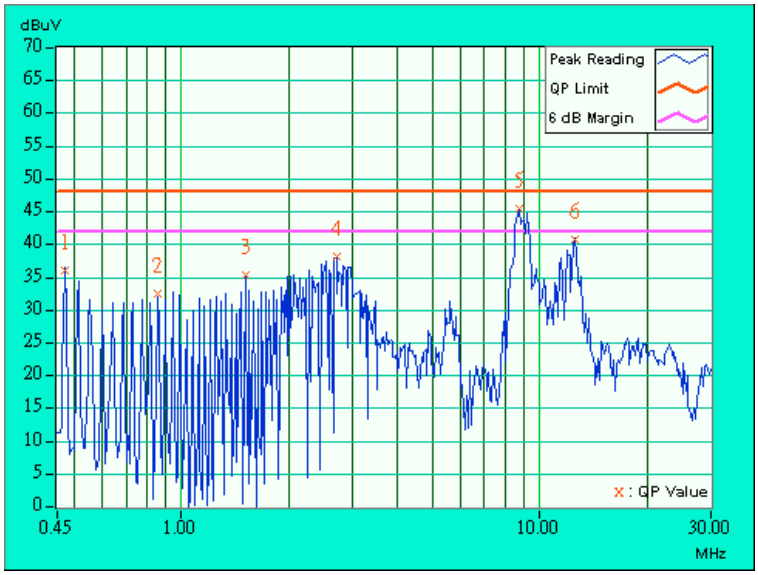
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.473	0.11	35.66	-	35.77	-	48.00	-	-12.23	-
2	0.860	0.18	31.93	-	32.11	-	48.00	-	-15.89	-
3	1.504	0.20	34.83	-	35.03	-	48.00	-	-12.97	-
4	2.707	0.24	37.69	-	37.93	-	48.00	-	-10.07	-
5	8.777	0.38	45.07	-	45.45	-	48.00	-	-2.55	-
6	12.492	0.50	40.22	-	40.72	-	48.00	-	-7.28	-

Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

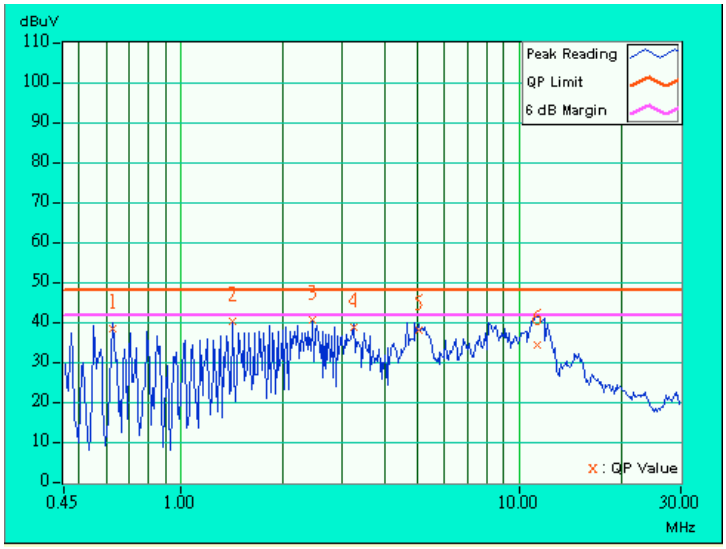


4.1.10 TEST RESULTS (D)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.630	0.14	38.15	-	38.29	-	48.00	-	-9.71	-
2	1.418	0.20	39.92	-	40.12	-	48.00	-	-7.88	-
3	2.441	0.22	40.30	-	40.52	-	48.00	-	-7.48	-
4	3.234	0.26	38.57	-	38.83	-	48.00	-	-9.17	-
5	5.051	0.32	37.82	-	38.14	-	48.00	-	-9.86	-
6	11.348	0.43	34.05	-	34.48	-	48.00	-	-13.52	-

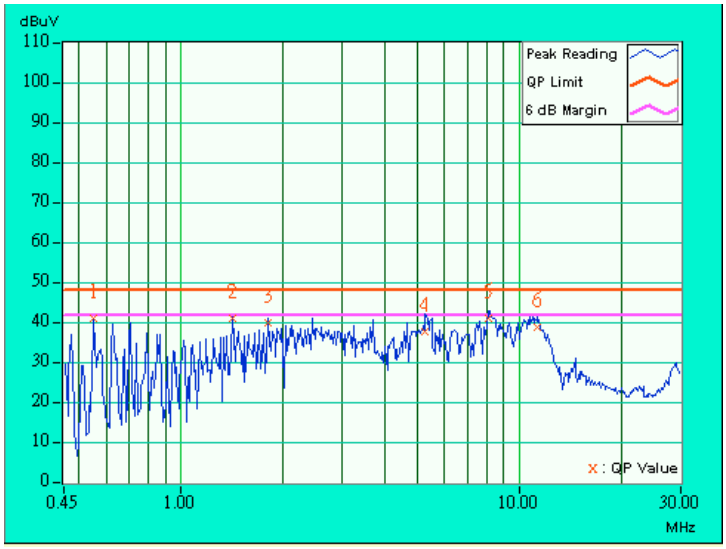
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.552	0.13	40.49	-	40.62	-	48.00	-	-7.38	-
2	1.418	0.20	40.69	-	40.89	-	48.00	-	-7.11	-
3	1.813	0.20	39.45	-	39.65	-	48.00	-	-8.35	-
4	5.270	0.32	37.18	-	37.50	-	48.00	-	-10.50	-
5	8.115	0.37	40.79	-	41.16	-	48.00	-	-6.84	-
6	11.340	0.45	38.59	-	39.04	-	48.00	-	-8.96	-

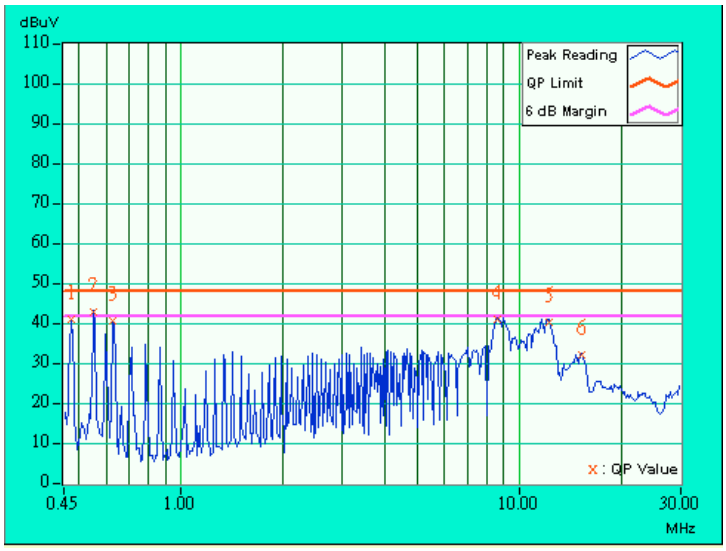
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.473	0.11	40.61	-	40.72	-	48.00	-	-7.28	-
2	0.552	0.13	42.44	-	42.57	-	48.00	-	-5.43	-
3	0.630	0.14	40.24	-	40.38	-	48.00	-	-7.62	-
4	8.602	0.38	40.52	-	40.90	-	48.00	-	-7.10	-
5	12.230	0.44	39.78	-	40.22	-	48.00	-	-7.78	-
6	15.309	0.51	31.66	-	32.17	-	48.00	-	-15.83	-

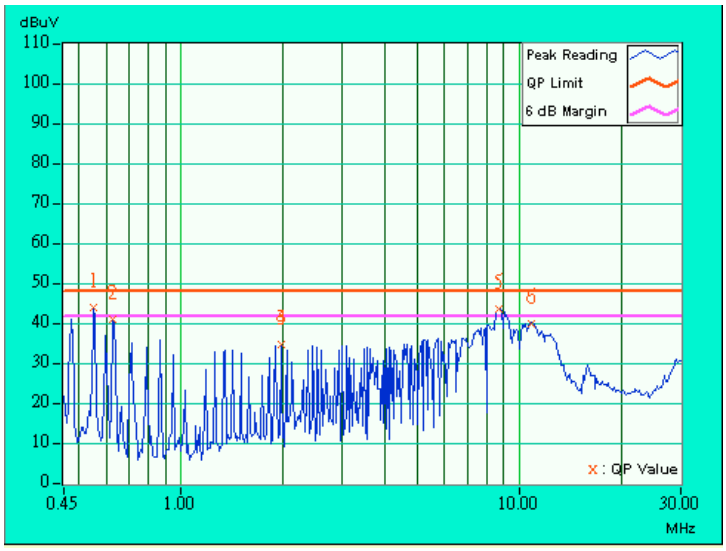
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.552	0.13	43.71	-	43.84	-	48.00	-	-4.16	-
2	0.630	0.14	40.72	-	40.86	-	48.00	-	-7.14	-
3	1.973	0.20	34.37	-	34.57	-	48.00	-	-13.43	-
4	1.973	0.20	34.33	-	34.53	-	48.00	-	-13.47	-
5	8.684	0.38	43.15	-	43.53	-	48.00	-	-4.47	-
6	10.895	0.44	39.50	-	39.94	-	48.00	-	-8.06	-

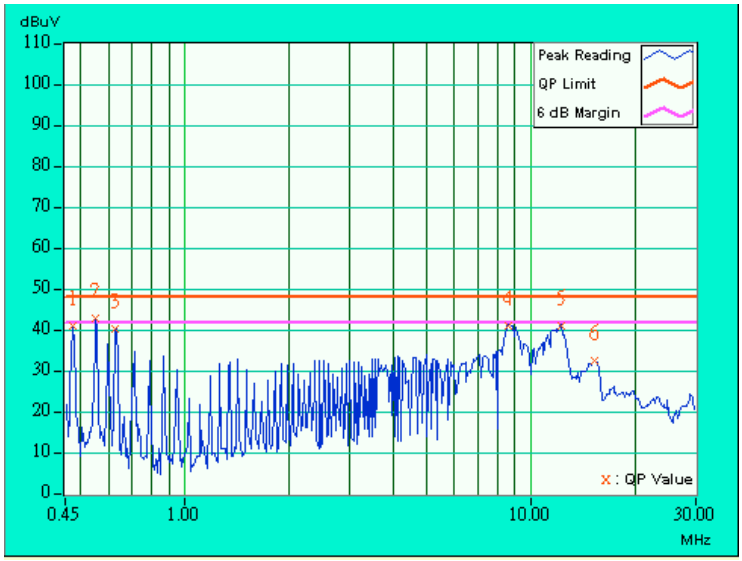
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq. (MHz)	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.473	0.11	40.61	-	40.72	-	48.00	-	-7.28	-
2	0.552	0.13	42.35	-	42.48	-	48.00	-	-5.52	-
3	0.630	0.14	39.73	-	39.87	-	48.00	-	-8.13	-
4	8.609	0.38	40.57	-	40.95	-	48.00	-	-7.05	-
5	12.246	0.49	40.49	-	40.98	-	48.00	-	-7.02	-
6	15.246	0.61	31.81	-	32.42	-	48.00	-	-15.58	-

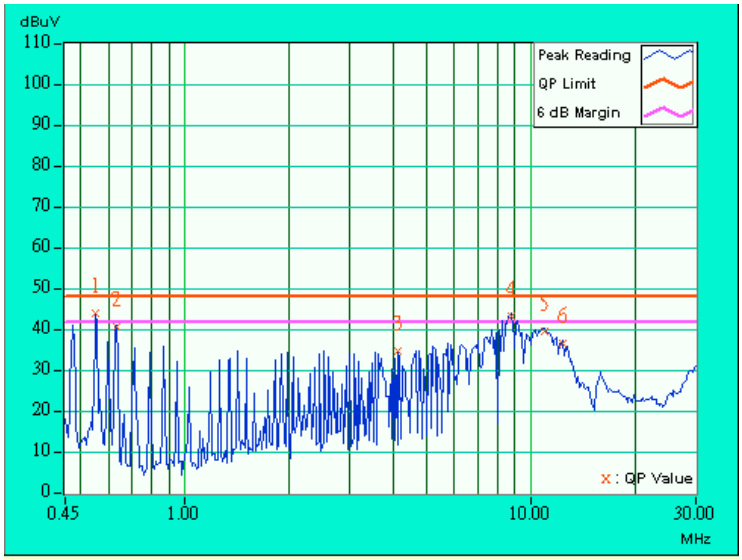
Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	30 deg. C, 70 %RH, 1005 hPa	**TESTED BY**: Bunny Yao	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	QP.	AV.	QP.	AV.	QP.	AV.	QP.	AV.
1	0.552	0.13	43.53	-	43.66	-	48.00	-	-4.34	-
2	0.634	0.14	40.34	-	40.48	-	48.00	-	-7.52	-
3	4.105	0.30	34.26	-	34.56	-	48.00	-	-13.44	-
4	8.766	0.38	43.01	-	43.39	-	48.00	-	-4.61	-
5	10.977	0.44	39.21	-	39.65	-	48.00	-	-8.35	-
6	12.320	0.49	36.27	-	36.76	-	48.00	-	-11.24	-

Remarks:
1. "*": Undetectable
2. QP. and AV. are abbreviations of quasi-peak and average individually.
3. "-": NA
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Field strength limits are at the distance of 3 meters, emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field Strength of Fundamental	
	uV/m	dBuV/m
30-88	100	40.0
88-216	150	43.5
216-960	200	46.0
Above 960	500	54.0

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
* HP Spectrum Analyzer	8590L	3544A01176	May 13, 2003
* HP Preamplifier	8447D	2944A08485	Oct. 30, 2002
* HP Preamplifier	8449B	3008A01201	Dec. 06, 2002
* HP Preamplifier	8449B	3008A01292	Aug. 7, 2003
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Jan. 27, 2003
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 23, 2002
* CHASE BILOG Antenna	CBL6112A	2221	Aug. 2, 2003
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	Jul. 3, 2003
* EMCO Horn Antenna	3115	9312-4192	Apr. 9, 2003
* EMCO Turn Table	1060	1115	NA
* SHOSHIN Tower	AP-4701	A6Y005	NA
* Software	AS61D4	NA	NA
* ANRITSU RF Switches	MP59B	M35046	Jan. 25, 2003
* TIMES RF cable	LMR-600	CABLE-ST5-01	Jul. 12, 2003
Open Field Test Site	Site 5	ADT-R05	Jul. 19, 2003
VCCI Site Registration No.	Site 5	R-1039	NA

NOTE: 1. The measurement uncertainty is less than +/- 3.0dB, which is calculated as per the NAMAS document NIS81.

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

3. "*" = These equipment are used for the final measurement.

4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

5. The test was performed in ADT Open Site No. 5.

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 10 meter open area test site. 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 the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.

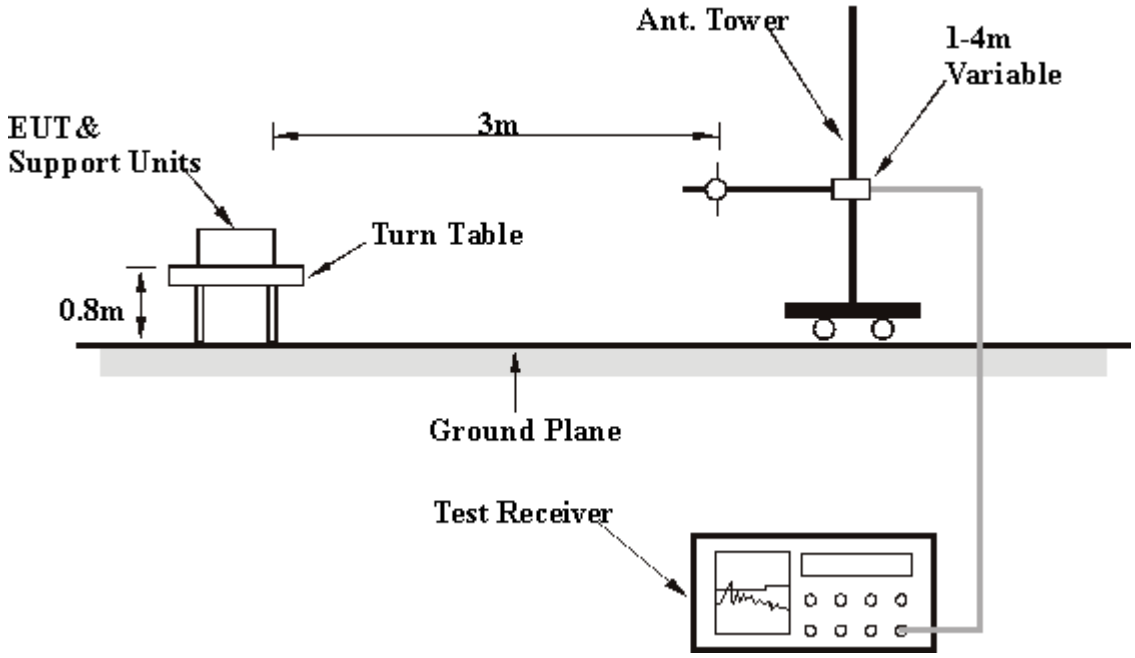
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection (PK) 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 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	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	150.00	23.8 QP	43.50	-19.70	1.25H	116	12.19	10.30	1.31	0.00	-11.61
2	176.00	30.4 QP	43.50	-13.10	1.38H	177	19.91	9.08	1.37	0.00	-10.45
3	200.00	27.8 QP	43.50	-15.70	1.26H	256	17.42	8.98	1.40	0.00	-10.38
4	300.00	28.6 QP	46.00	-17.40	1.52H	347	13.54	13.18	1.88	0.00	-15.06
5	396.00	31.6 QP	46.00	-14.40	1.47H	205	13.48	15.96	2.17	0.00	-18.12
6	440.00	17.0 QP	46.00	-29.00	1.39H	126	-1.62	16.32	2.31	0.00	-18.62
7	450.00	17.3 QP	46.00	-28.70	1.31H	23	-1.41	16.37	2.34	0.00	-18.71
8	500.00	23.3 QP	46.00	-22.70	1.28H	290	3.55	17.26	2.49	0.00	-19.75
9	528.00	20.3 QP	46.00	-25.70	1.04H	149	0.06	17.62	2.62	0.00	-20.24
10	729.00	17.0 QP	46.00	-29.00	1.35H	307	-6.10	19.80	3.30	0.00	-23.10
11	748.00	22.4 QP	46.00	-23.60	1.11H	27	-1.08	20.14	3.34	0.00	-23.48

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	MODEL	SL-2511BG PLUS
MODE	Channel 11	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	TESTED BY: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	125.00	33.3 QP	43.50	-10.20	1.08V	3	20.60	11.47	1.23	0.00	-12.70
2	132.00	32.0 QP	43.50	-11.50	1.14V	27	19.60	11.16	1.24	0.00	-12.40
3	150.00	24.4 QP	43.50	-19.10	1.36V	20	12.79	10.30	1.31	0.00	-11.61
4	176.00	24.3 QP	43.50	-19.20	1.34V	90	13.85	9.08	1.37	0.00	-10.45
5	200.00	25.4 QP	43.50	-18.10	1.21V	191	15.02	8.98	1.40	0.00	-10.38
6	220.00	28.1 QP	46.00	-17.90	1.47V	336	16.46	10.12	1.53	0.00	-11.64
7	250.00	27.3 QP	46.00	-18.70	1.40V	337	13.55	12.02	1.73	0.00	-13.75
8	396.00	28.5 QP	46.00	-17.50	1.49V	212	10.38	15.96	2.17	0.00	-18.12
9	400.00	26.7 QP	46.00	-19.30	1.54V	120	8.42	16.11	2.17	0.00	-18.28
10	440.00	27.3 QP	46.00	-18.70	1.40V	181	8.68	16.32	2.31	0.00	-18.62
11	500.00	24.6 QP	46.00	-21.40	1.34V	320	4.85	17.26	2.49	0.00	-19.75
12	525.00	23.7 QP	46.00	-22.30	1.11V	343	3.50	17.59	2.61	0.00	-20.20
13	575.00	17.6 QP	46.00	-28.40	1.19V	272	-3.47	18.28	2.79	0.00	-21.07
14	748.00	20.0 QP	46.00	-26.00	1.04V	189	-3.48	20.14	3.34	0.00	-23.48

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	29.1 AV	54.00	-24.90	1.39H	181	33.90	25.20	4.86	34.90	4.84
2	2038.00	39.8 PK	74.00	-34.20	1.39H	181	44.60	25.20	4.86	34.90	4.84
3	*2412.00	99.0 AV	-	-	1.28H	201	66.80	27.11	5.10	0.00	-32.22
4	*2412.00	105.1 PK	-	-	1.28H	201	72.90	27.11	5.10	0.00	-32.22

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	38.4 AV	54.00	-15.60	1.51V	199	43.20	25.20	4.86	34.90	4.84
2	2038.00	43.8 PK	74.00	-30.20	1.51V	199	48.60	25.20	4.86	34.90	4.84
3	*2412.00	111.5 AV	-	-	1.46V	182	79.30	27.11	5.10	0.00	-32.22
4	*2412.00	119.2 PK	-	-	1.46V	182	87.00	27.11	5.10	0.00	-32.22

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	29.7 AV	54.00	-24.30	1.01H	206	34.20	25.41	4.96	34.90	4.53
2	2063.00	40.7 PK	74.00	-33.30	1.01H	206	45.20	25.41	4.96	34.90	4.53
3	*2437.00	104.1 PK	-	-	1.16H	186	71.70	27.33	5.08	0.00	-32.41
4	*2437.00	98.2 AV	-	-	1.16H	186	65.80	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	37.9 AV	54.00	-16.10	1.96V	212	42.40	25.41	4.96	34.90	4.53
2	2063.00	44.3 PK	74.00	-29.70	1.96V	212	48.80	25.41	4.96	34.90	4.53
3	*2437.00	111.4 AV	-	-	1.18V	221	79.00	27.33	5.08	0.00	-32.40
4	*2437.00	118.9 PK	-	-	1.18V	221	86.50	27.33	5.08	0.00	-32.40

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	44.3 PK	74.00	-29.70	1.34H	192	48.60	25.62	5.02	34.90	4.26
2	2088.00	34.6 AV	54.00	-19.40	1.34H	192	38.90	25.62	5.02	34.90	4.26
3	*2462.00	104.5 PK	-	-	1.45H	234	72.10	27.33	5.08	0.00	-32.40
4	*2462.00	97.6 AV	-	-	1.45H	234	65.20	27.33	5.08	0.00	-32.40

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	50.1 AV	54.00	-3.90	1.28V	223	54.35	25.62	5.02	34.90	4.26
2	2088.00	51.6 PK	74.00	-22.40	1.28V	223	55.90	25.62	5.02	34.90	4.26
3	*2462.00	111.5 AV	-	-	1.00V	219	79.10	27.33	5.08	0.00	-32.41
4	*2462.00	118.7 PK	-	-	1.00V	219	86.30	27.33	5.08	0.00	-32.41

NOTE: 1. Emission level= Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.8 TEST RESULTS (B)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	125.00	32.3 QP	43.50	-11.20	1.33H	294	19.60	11.47	1.23	0.00	-12.70
2	132.00	29.7 QP	43.50	-13.80	1.17H	340	17.30	11.16	1.24	0.00	-12.40
3	150.00	28.8 QP	43.50	-14.70	1.47H	258	17.19	10.30	1.31	0.00	-11.61
4	176.00	24.7 QP	43.50	-18.80	1.59H	179	14.25	9.08	1.37	0.00	-10.45
5	200.00	30.8 QP	43.50	-12.70	1.33H	61	20.42	8.98	1.40	0.00	-10.39
6	220.00	22.0 QP	46.00	-24.00	1.14H	178	10.36	10.12	1.53	0.00	-11.64
7	250.00	17.5 QP	46.00	-28.50	1.31H	289	3.75	12.02	1.73	0.00	-13.75
8	396.00	28.1 QP	46.00	-17.90	1.52H	345	9.98	15.96	2.17	0.00	-18.12
9	400.00	32.1 QP	46.00	-13.90	1.26H	36	13.82	16.11	2.17	0.00	-18.28
10	440.00	24.3 QP	46.00	-21.70	1.35H	117	5.68	16.32	2.31	0.00	-18.62
11	525.00	22.3 QP	46.00	-23.70	1.39H	57	2.10	17.59	2.61	0.00	-20.20
12	729.00	26.8 QP	46.00	-19.20	1.39H	274	3.70	19.80	3.30	0.00	-23.10
13	748.00	24.3 QP	46.00	-21.70	1.48H	3	0.82	20.14	3.34	0.00	-23.48

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	125.00	35.1 QP	43.50	-8.40	1.30V	41	22.40	11.47	1.23	0.00	-12.70
2	132.00	28.9 QP	43.50	-14.60	1.41V	70	16.50	11.16	1.24	0.00	-12.40
3	150.00	25.9 QP	43.50	-17.60	1.50V	207	14.29	10.30	1.31	0.00	-11.61
4	176.00	27.8 QP	43.50	-15.70	1.56V	300	17.35	9.08	1.37	0.00	-10.45
5	200.00	27.5 QP	43.50	-16.00	1.38V	3	17.12	8.98	1.40	0.00	-10.38
6	250.00	22.6 QP	46.00	-23.40	1.24V	273	8.85	12.02	1.73	0.00	-13.75
7	396.00	23.7 QP	46.00	-22.30	1.36V	170	5.58	15.96	2.17	0.00	-18.12
8	400.00	28.8 QP	46.00	-17.20	1.48V	243	10.52	16.11	2.17	0.00	-18.28
9	440.00	23.1 QP	46.00	-22.90	1.53V	341	4.48	16.32	2.31	0.00	-18.63
10	450.00	24.7 QP	46.00	-21.30	1.70V	277	5.99	16.37	2.34	0.00	-18.72
11	500.00	23.5 QP	46.00	-22.50	1.30V	105	3.75	17.26	2.49	0.00	-19.76
12	528.00	23.4 QP	46.00	-22.60	1.46V	93	3.16	17.62	2.62	0.00	-20.25
13	575.00	20.6 QP	46.00	-25.40	1.31V	177	-0.47	18.28	2.79	0.00	-21.07
14	729.00	23.3 QP	46.00	-22.70	1.31V	256	0.20	19.80	3.30	0.00	-23.11
15	748.00	19.6 QP	46.00	-26.40	1.37V	335	-3.88	20.14	3.34	0.00	-23.48

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	28.6 AV	54.00	-25.40	1.34H	190	33.40	25.20	4.86	34.90	4.84
2	2038.00	40.5 PK	74.00	-33.50	1.34H	190	45.30	25.20	4.86	34.90	4.84
3	*2412.00	97.2 AV	-	-	1.29H	182	65.00	27.11	5.10	0.00	-32.22
4	*2412.00	103.2 PK	-	-	1.29H	182	71.00	27.11	5.10	0.00	-32.22

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	37.5 AV	54.00	-16.50	1.25V	205	42.38	25.20	4.86	34.90	4.84
2	2038.00	42.2 PK	74.00	-31.80	1.25V	205	47.00	25.20	4.86	34.90	4.84
3	*2412.00	111.1 AV	-	-	1.24V	195	78.89	27.11	5.10	0.00	-32.22
4	*2412.00	118.5 PK	-	-	1.24V	195	86.29	27.11	5.10	0.00	-32.22

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	41.2 PK	74.00	-32.80	1.40H	200	45.70	25.41	4.96	34.90	4.53
2	2063.00	29.1 AV	54.00	-24.90	1.40H	200	33.60	25.41	4.96	34.90	4.53
3	*2437.00	103.2 PK	-	-	1.29H	181	70.80	27.33	5.08	0.00	-32.41
4	*2437.00	97.0 AV	-	-	1.29H	181	64.60	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	43.8 AV	54.00	-10.20	1.21V	177	13.43	25.41	4.96	0.00	-30.37
2	2063.00	48.2 PK	74.00	-25.80	1.21V	177	17.83	25.41	4.96	0.00	-30.38
3	*2437.00	110.4 AV	-	-	1.28V	199	78.00	27.33	5.08	0.00	-32.40
4	*2437.00	118.2 PK	-	-	1.28V	199	85.80	27.33	5.08	0.00	-32.40

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	34.9 AV	54.00	-19.10	1.42H	204	39.20	25.62	5.02	34.90	4.26
2	2088.00	45.0 PK	74.00	-29.00	1.42H	204	49.30	25.62	5.02	34.90	4.27
3	*2462.00	101.9 PK	-	-	1.39H	174	69.50	27.33	5.08	0.00	-32.41
4	*2462.00	96.0 AV	-	-	1.39H	174	63.60	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	49.9 AV	54.00	-4.10	1.18V	217	54.20	25.62	5.02	34.90	4.26
2	2088.00	51.4 PK	74.00	-22.60	1.18V	217	55.70	25.62	5.02	34.90	4.26
3	*2462.00	117.1 PK	-	-	1.27V	192	84.70	27.33	5.08	0.00	-32.41
4	*2462.00	109.7 AV	-	-	1.27V	192	77.30	27.33	5.08	0.00	-32.41

NOTE: 1. Emission level= Raw Value – Correction Factor

2. Correction Factor = External Preamp. Gain – Ant. Factor – Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)

m The other emission levels were very low against the limit.

m Margin value = Emission level – Limit value

m The limit value is defined as per 15.247

m " * " : Fundamental frequency

4.2.9 TEST RESULTS (C)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	150.00	26.6 QP	43.50	-16.90	1.29H	347	14.99	10.30	1.31	0.00	-11.61
2	176.00	23.2 QP	43.50	-20.30	1.44H	3	12.75	9.08	1.37	0.00	-10.45
3	200.00	29.4 QP	43.50	-14.10	1.22H	253	19.02	8.98	1.40	0.00	-10.38
4	220.00	24.7 QP	46.00	-21.30	1.29H	233	13.06	10.12	1.53	0.00	-11.64
5	300.00	28.9 QP	46.00	-17.10	1.40H	153	13.84	13.18	1.88	0.00	-15.06
6	375.00	17.8 QP	46.00	-28.20	1.45H	73	0.53	15.13	2.14	0.00	-17.27
7	396.00	24.7 QP	46.00	-21.30	1.24H	100	6.58	15.96	2.17	0.00	-18.13
8	400.00	30.7 QP	46.00	-15.30	1.35H	61	12.42	16.11	2.17	0.00	-18.29
9	425.00	21.0 QP	46.00	-25.00	1.33H	90	2.51	16.24	2.26	0.00	-18.50
10	450.00	23.7 QP	46.00	-22.30	1.64H	115	4.99	16.37	2.34	0.00	-18.72
11	528.00	20.9 QP	46.00	-25.10	1.55H	132	0.66	17.62	2.62	0.00	-20.25
12	660.00	22.7 QP	46.00	-23.30	1.60H	132	0.38	19.25	3.07	0.00	-22.33
13	748.00	25.1 QP	46.00	-20.90	1.54H	146	1.62	20.14	3.34	0.00	-23.49

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	MODEL	SL-2511BG PLUS
MODE	Channel 11	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	TESTED BY: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	150.00	30.5 QP	43.50	-13.00	1.01V	147	18.89	10.30	1.31	0.00	-11.61
2	176.00	22.1 QP	43.50	-21.40	1.49V	161	11.65	9.08	1.37	0.00	-10.45
3	200.00	27.4 QP	43.50	-16.10	1.38V	140	17.02	8.98	1.40	0.00	-10.38
4	220.00	26.8 QP	46.00	-19.20	1.38V	5	15.16	10.12	1.53	0.00	-11.65
5	396.00	24.1 QP	46.00	-21.90	1.51V	36	5.98	15.96	2.17	0.00	-18.13
6	400.00	24.9 QP	46.00	-21.10	1.37V	62	6.62	16.11	2.17	0.00	-18.29
7	440.00	26.5 QP	46.00	-19.50	1.46V	76	7.88	16.32	2.31	0.00	-18.63
8	450.00	23.8 QP	46.00	-22.20	1.12V	88	5.09	16.37	2.34	0.00	-18.72
9	675.00	20.7 QP	46.00	-25.30	1.09V	122	-1.71	19.27	3.14	0.00	-22.41
10	748.00	24.6 QP	46.00	-21.40	1.03V	110	1.12	20.14	3.34	0.00	-23.48
11	792.00	25.8 QP	46.00	-20.20	1.32V	152	1.83	20.60	3.36	0.00	-23.97

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	28.7 AV	54.00	-25.30	1.28H	16	33.50	25.20	4.86	34.90	4.84
2	2038.00	39.0 PK	74.00	-35.00	1.28H	16	43.80	25.20	4.86	34.90	4.84
3	*2412.00	95.2 AV	-	-	1.59H	138	63.00	27.11	5.10	0.00	-32.21
4	*2412.00	101.4 PK	-	-	1.59H	138	69.20	27.11	5.10	0.00	-32.21

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	29.3 AV	54.00	-24.70	1.03V	79	34.10	25.20	4.86	34.90	4.84
2	2038.00	38.4 PK	74.00	-35.60	1.03V	79	43.20	25.20	4.86	34.90	4.84
3	*2412.00	111.5 PK	-	-	1.29V	110	79.30	27.11	5.10	0.00	-32.21
4	*2412.00	104.3 AV	-	-	1.29V	110	72.10	27.11	5.10	0.00	-32.21

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	41.2 PK	74.00	-32.80	1.24H	25	45.70	25.41	4.96	34.90	4.53
2	2063.00	31.3 AV	54.00	-22.70	1.24H	25	35.80	25.41	4.96	34.90	4.53
3	*2437.00	101.4 PK	-	-	1.65H	47	69.00	27.33	5.08	0.00	-32.41
4	*2437.00	95.2 AV	-	-	1.65H	47	62.80	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	35.2 AV	54.00	-18.80	1.24V	198	39.70	25.41	4.96	34.90	4.53
2	2063.00	41.8 PK	74.00	-32.20	1.24V	198	46.30	25.41	4.96	34.90	4.53
3	*2437.00	105.4 AV	-	-	1.05V	29	73.00	27.33	5.08	0.00	-32.40.
4	*2437.00	111.9 PK	-	-	1.05V	29	79.50	27.33	5.08	0.00	-32.40.

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	44.6 PK	74.00	-29.40	1.12H	78	48.90	25.62	5.02	34.90	4.26
2	2088.00	36.5 AV	54.00	-17.50	1.12H	78	40.80	25.62	5.02	34.90	4.26
3	*2462.00	101.9 PK	-	-	1.62H	50	69.50	27.33	5.08	0.00	-32.40
4	*2462.00	95.6 AV	-	-	1.62H	50	63.20	27.33	5.08	0.00	-32.40

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	48.1 AV	54.00	-5.90	1.08V	150	52.40	25.62	5.02	34.90	4.26
2	2088.00	50.3 PK	74.00	-23.70	1.08V	150	54.60	25.62	5.02	34.90	4.26
3	*2462.00	105.7 AV	-	-	1.23V	102	73.30	27.33	5.08	0.00	-32.41
4	*2462.00	112.4 PK	-	-	1.23V	102	80.00	27.33	5.08	0.00	-32.41

NOTE: 1. Emission level= Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.10 TEST RESULTS (D)

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	125.00	23.1 QP	43.50	-20.40	1.24H	270	10.40	11.47	1.23	0.00	-12.70
2	150.00	33.0 QP	43.50	-10.50	1.15H	156	21.39	10.30	1.31	0.00	-11.61
3	200.00	26.3 QP	43.50	-17.20	1.08H	75	15.92	8.98	1.40	0.00	-10.39
4	220.00	24.8 QP	46.00	-21.20	1.41H	55	13.16	10.12	1.53	0.00	-11.64
5	250.00	18.9 QP	46.00	-27.10	1.45H	243	5.15	12.02	1.73	0.00	-13.75
6	396.00	25.4 QP	46.00	-20.60	1.34H	192	7.28	15.96	2.17	0.00	-18.12
7	400.00	30.3 QP	46.00	-15.70	1.51H	324	12.02	16.11	2.17	0.00	-18.28
8	440.00	23.0 QP	46.00	-23.00	1.29H	91	4.38	16.32	2.31	0.00	-18.62
9	450.00	21.7 QP	46.00	-24.30	1.18H	9	2.99	16.37	2.34	0.00	-18.71
10	525.00	20.6 QP	46.00	-25.40	1.26H	338	0.40	17.59	2.61	0.00	-20.21
11	729.00	17.3 QP	46.00	-28.70	1.24H	234	-5.80	19.80	3.30	0.00	-23.10
12	748.00	20.3 QP	46.00	-25.70	1.08H	24	-3.18	20.14	3.34	0.00	-23.48
13	792.00	18.4 QP	46.00	-27.60	1.32H	140	-5.57	20.60	3.36	0.00	-23.97

NOTE: 1 Emission level = Raw Value - Correction Factor
2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3 The other emission levels were very low against the limit.
4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	MODEL	SL-2511BG PLUS
MODE	Channel 11	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	TESTED BY: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	150.00	31.6 QP	43.50	-11.90	1.20V	151	19.99	10.30	1.31	0.00	-11.61
2	200.00	26.8 QP	43.50	-16.70	1.66V	239	16.42	8.98	1.40	0.00	-10.38
3	220.00	21.1 QP	46.00	-24.90	1.85V	343	9.46	10.12	1.53	0.00	-11.64
4	250.00	20.8 QP	46.00	-25.20	1.85V	316	7.05	12.02	1.73	0.00	-13.75
5	300.00	18.6 QP	46.00	-27.40	1.47V	200	3.54	13.18	1.88	0.00	-15.06
6	396.00	24.0 QP	46.00	-22.00	1.35V	108	5.88	15.96	2.17	0.00	-18.12
7	400.00	29.2 QP	46.00	-16.80	1.21V	14	10.92	16.11	2.17	0.00	-18.28
8	440.00	23.6 QP	46.00	-22.40	1.38V	125	4.98	16.32	2.31	0.00	-18.62
9	525.00	22.0 QP	46.00	-24.00	1.58V	264	1.80	17.59	2.61	0.00	-20.20
10	729.00	16.8 QP	46.00	-29.20	1.23V	351	-6.30	19.80	3.30	0.00	-23.10
11	748.00	21.6 QP	46.00	-24.40	1.08V	233	-1.88	20.14	3.34	0.00	-23.48

NOTE: 1 Emission level = Raw Value - Correction Factor

2 Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)

3 The other emission levels were very low against the limit.

4 Margin value = Emission level - Limit value

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 1	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	28.2 AV	54.00	-25.80	1.73H	69	33.00	25.20	4.86	34.90	4.84
2	2038.00	38.6 PK	74.00	-35.40	1.73H	69	43.40	25.20	4.86	34.90	4.84
3	*2412.00	94.6 AV	-	-	1.58H	353	62.40	27.11	5.10	0.00	-32.21
4	*2412.00	101.1 PK	-	-	1.58H	353	68.90	27.11	5.10	0.00	-32.21

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2038.00	30.4 AV	54.00	-23.60	1.33V	54	35.20	25.20	4.86	34.90	4.84
2	2038.00	40.4 PK	74.00	-33.60	1.33V	54	45.20	25.20	4.86	34.90	4.84
3	*2412.00	105.5 AV	-	-	1.55V	30	73.25	27.11	5.10	0.00	-32.22
4	*2412.00	111.8 PK	-	-	1.55V	30	79.60	27.11	5.10	0.00	-32.22

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 6	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	32.7 AV	54.00	-21.30	1.10H	20	37.20	25.41	4.96	34.90	4.53
2	2063.00	43.3 PK	74.00	-30.70	1.10H	20	47.80	25.41	4.96	34.90	4.53
3	*2437.00	101.8 PK	-	-	1.47H	61	69.40	27.33	5.08	0.00	-32.41
4	*2437.00	95.2 AV	-	-	1.47H	61	62.80	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2063.00	41.3 PK	74.00	-32.70	1.29V	47	45.80	25.41	4.96	34.90	4.53
2	2063.00	31.4 AV	54.00	-22.60	1.29V	47	35.90	25.41	4.96	34.90	4.53
3	*2437.00	106.0 AV	-	-	1.61V	155	73.60	27.33	5.08	0.00	-32.40
4	*2437.00	112.2 PK	-	-	1.61V	155	79.80	27.33	5.08	0.00	-32.40

NOTE: 1. Emission level = Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
MODE	Channel 11	**FREQUENCY RANGE**	Above 1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	35 deg. C, 50%RH, 1005 hPa	**TESTED BY**: Bunny Yao	

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	35.5 AV	54.00	-18.50	1.04H	90	39.76	25.62	5.02	34.90	4.26
2	2088.00	42.9 PK	74.00	-31.10	1.04H	90	47.20	25.62	5.02	34.90	4.26
3	*2462.00	94.4 AV	-	-	1.18H	126	62.00	27.33	5.08	0.00	-32.41
4	*2462.00	100.8 PK	-	-	1.18H	126	68.40	27.33	5.08	0.00	-32.41

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)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	2088.00	47.1 AV	54.00	-6.90	1.06V	161	51.40	25.62	5.02	34.90	4.26
2	2088.00	48.9 PK	74.00	-25.10	1.06V	161	53.20	25.62	5.02	34.90	4.26
3	*2462.00	111.1 PK	-	-	1.26V	104	78.70	27.33	5.08	0.00	-32.41
4	*2462.00	104.8 AV	-	-	1.26V	104	72.40	27.33	5.08	0.00	-32.41

NOTE: 1. Emission level= Raw Value - Correction Factor
2. Correction Factor = External Preamp. Gain - Ant. Factor - Cable loss
(External Preamp. Gain = 0, when the test receiver is used for the test.)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value
5. The limit value is defined as per 15.247
6. " * " : 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	July 24, 2003

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

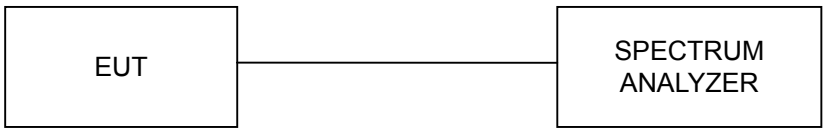
4.3.3 TEST PROCEDURE

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

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

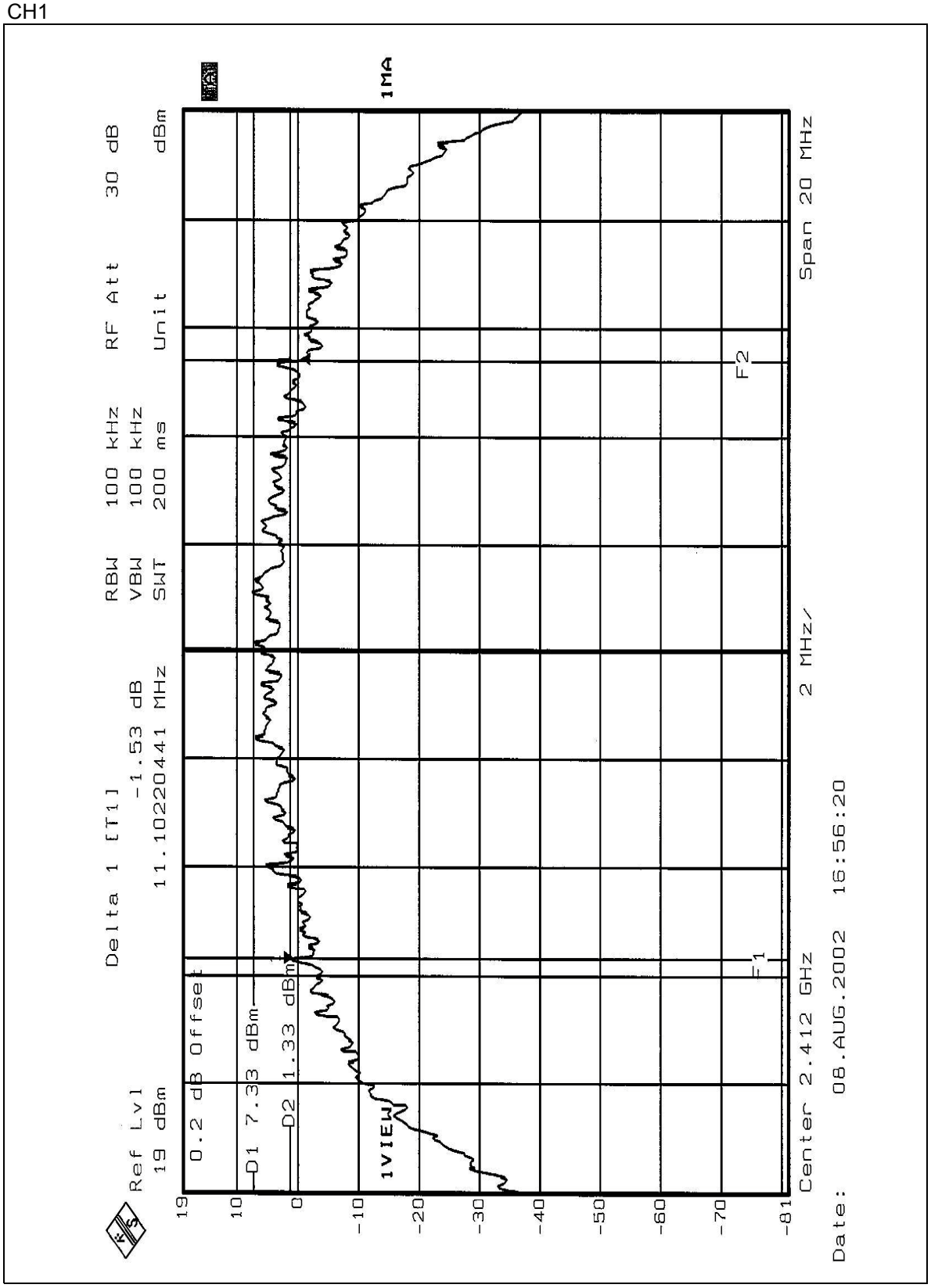
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

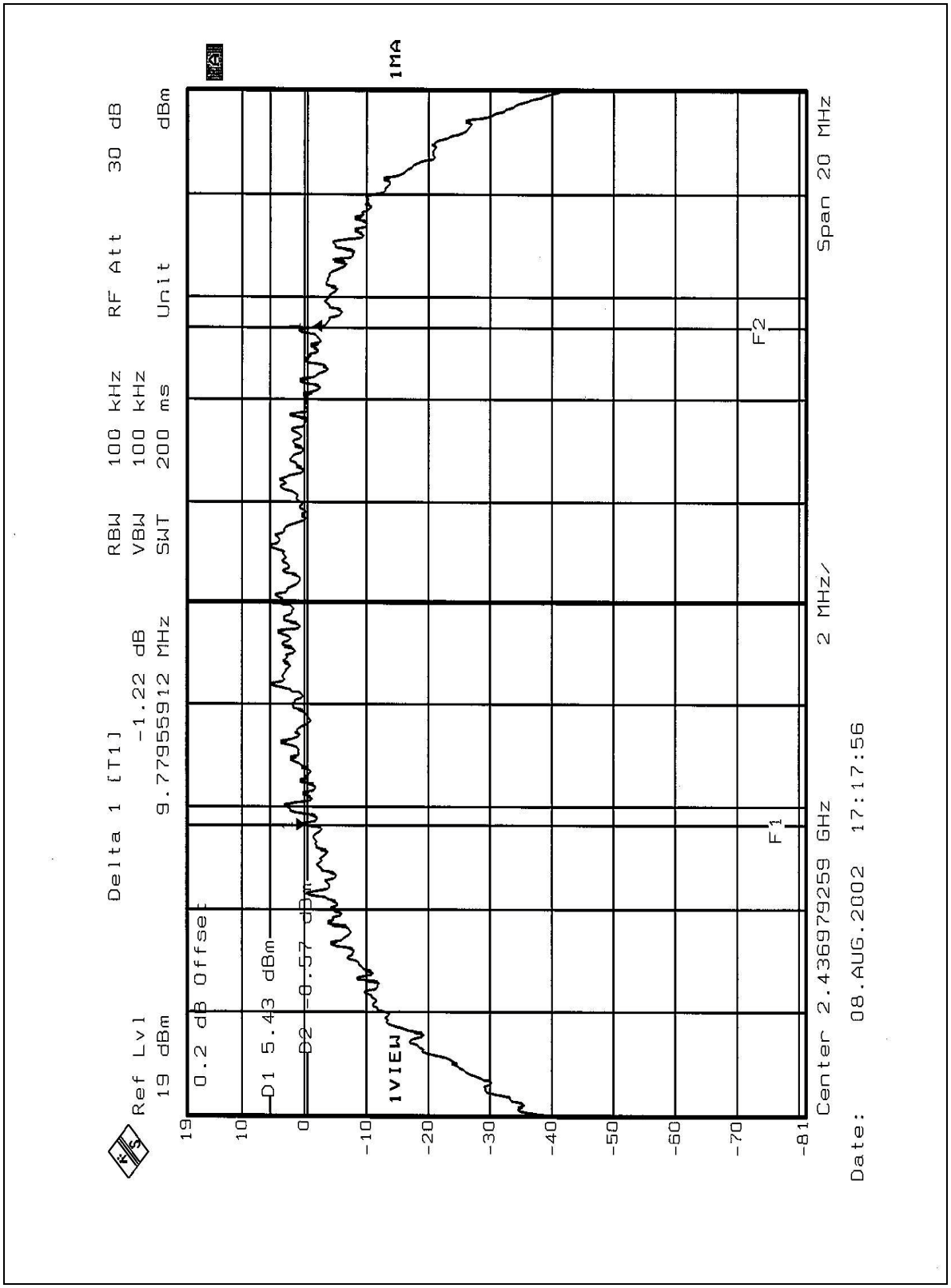
EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	26deg. C, 62%RH, 1005 hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	11.10	0.5	PASS
6	2437	9.78	0.5	PASS
11	2462	11.10	0.5	PASS

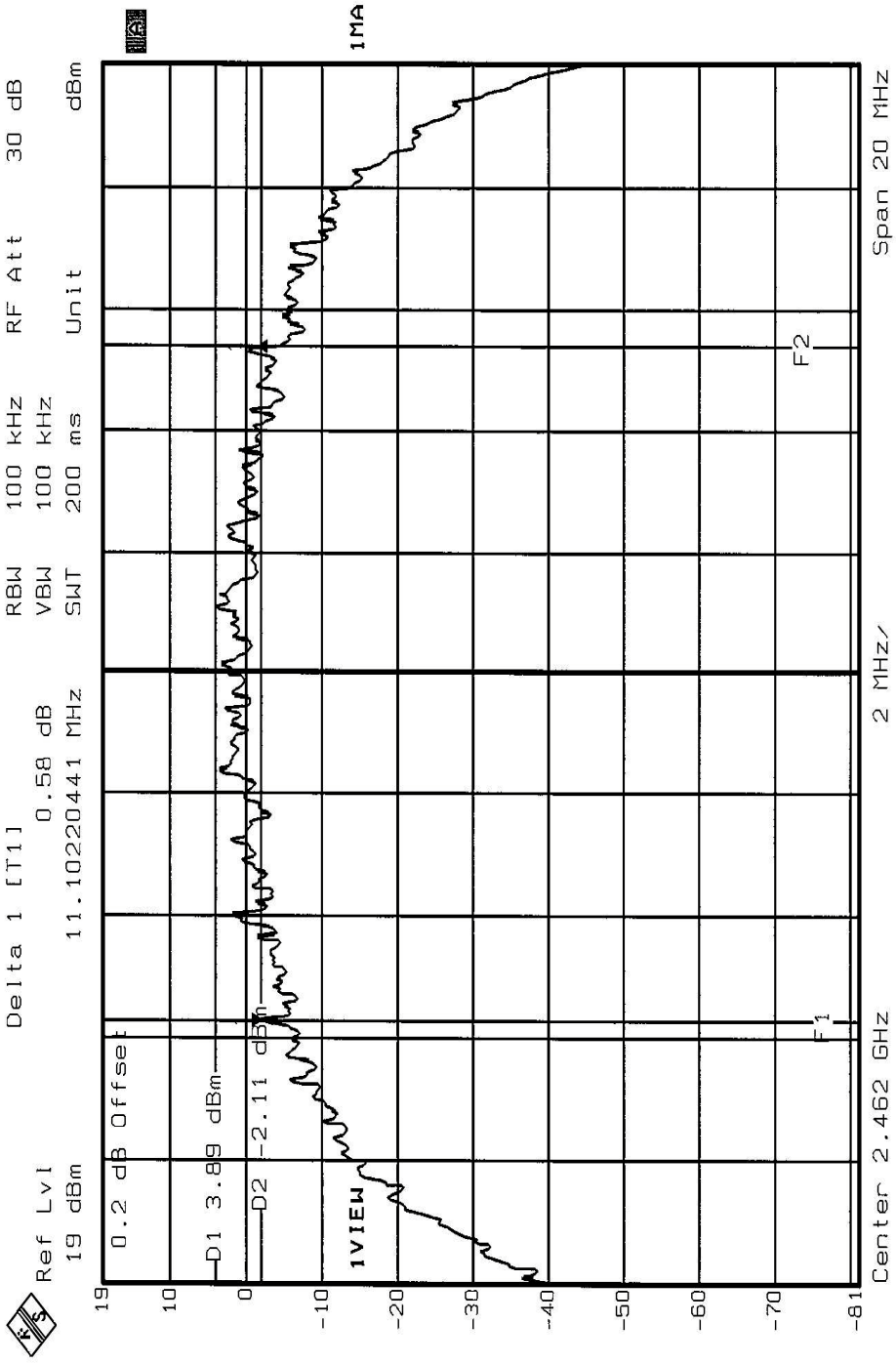
CH1


Ref Lvl
19 dBm
0.2 dB Offset
D1 7.33 dBm
D2 1.33 dBm
Delta 1 [T1]
-1.53 dB
11.10220441 MHz
RBW 100 kHz
VBW 100 kHz
SWT 200 ms
RF Att 30 dB
Unit dBm
1MA
1VIEW
F1
F2
Center 2.412 GHz
2 MHz/
Span 20 MHz
Date: 08.AUG.2002 16:56:20
19
10
0
-10
-20
-30
-40
-50
-60
-70
-81

CH6


Ref Lvl
19 dBm
0.2 dB Offset
D1 5.43 dBm
D2 -0.57 dBm
1VIEW
Delta 1 [T1]
-1.22 dB
9.77955912 MHz
RBW 100 kHz
VBW 100 kHz
SWT 200 ms
RF Att 30 dB
Unit dBm
1MA
F1
F2
Center 2.43697259 GHz
2 MHz/
Span 20 MHz
Date: 08.AUG.2002 17:17:56

CH11


Ref Lvl
19 dBm
0.2 dB Offset
Delta 1 [T1]
0.58 dB
11.10220441 MHz
RBW 100 kHz
VBW 100 kHz
SWT 200 ms
RF Att 30 dB
Unit dBm
1MA
D1 3.89 dBm
D2 -2.11 dBm
1VIEW
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 08.AUG.2002 17:08:06

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 INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SINGLE CHANNEL POWER METER	NRVS	100026	Feb. 23, 2003
PEAK POWER SENSOR	NRV-Z32	100013	Feb. 23, 2003

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

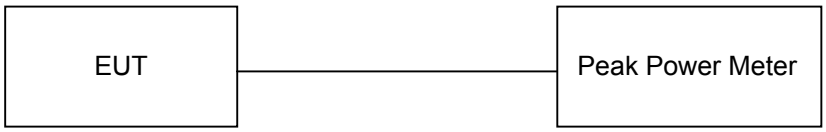
4.4.3 TEST PROCEDURES

The transmitter output was connected to the peak power meter.

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	Wireless Outdoor Bridge	MODEL	SL-2511BG PLUS
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	26deg.C, 62%RH, 1005 hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	17.98	29	PASS
6	2437	16.80	29	PASS
11	2462	15.15	29	PASS

Note: According to 15.247 (b)(3), the maximum antenna gain 11 dBi is higher than 6dBi, so the limit of peak power shall be reduced by 1dBi.

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	July 24, 2003

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

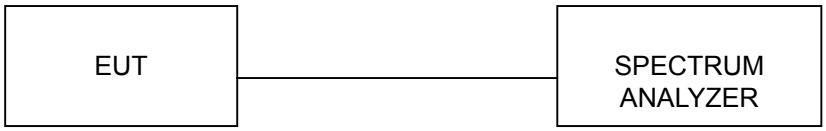
4.5.3 TEST PROCEDURE

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/3 kHz. The power spectral density was measured and recorded.
The sweep time is allowed to be longer than span/3 kHz 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 CONDITION

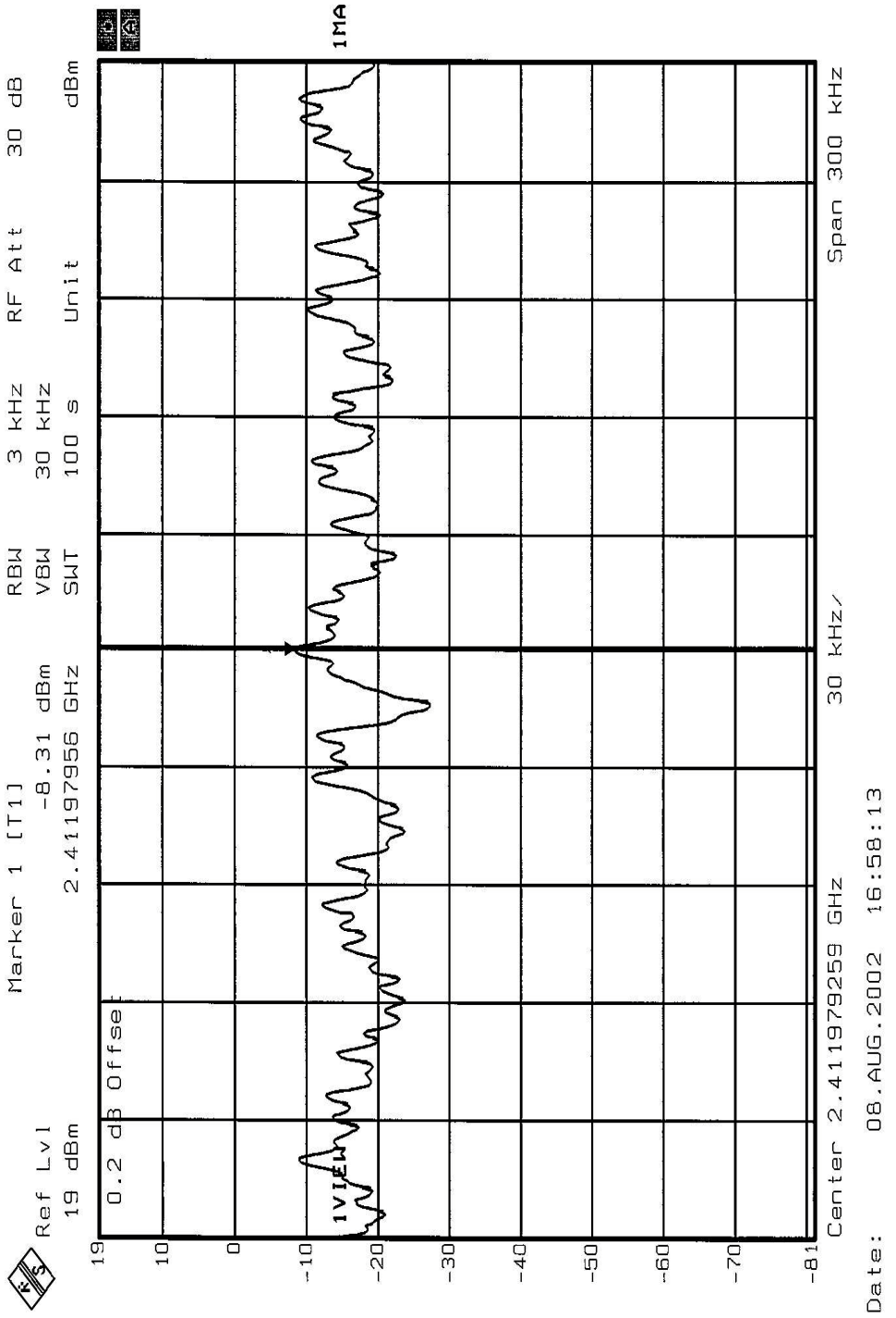
Same as Item 4.3.6

4.5.7 TEST RESULTS

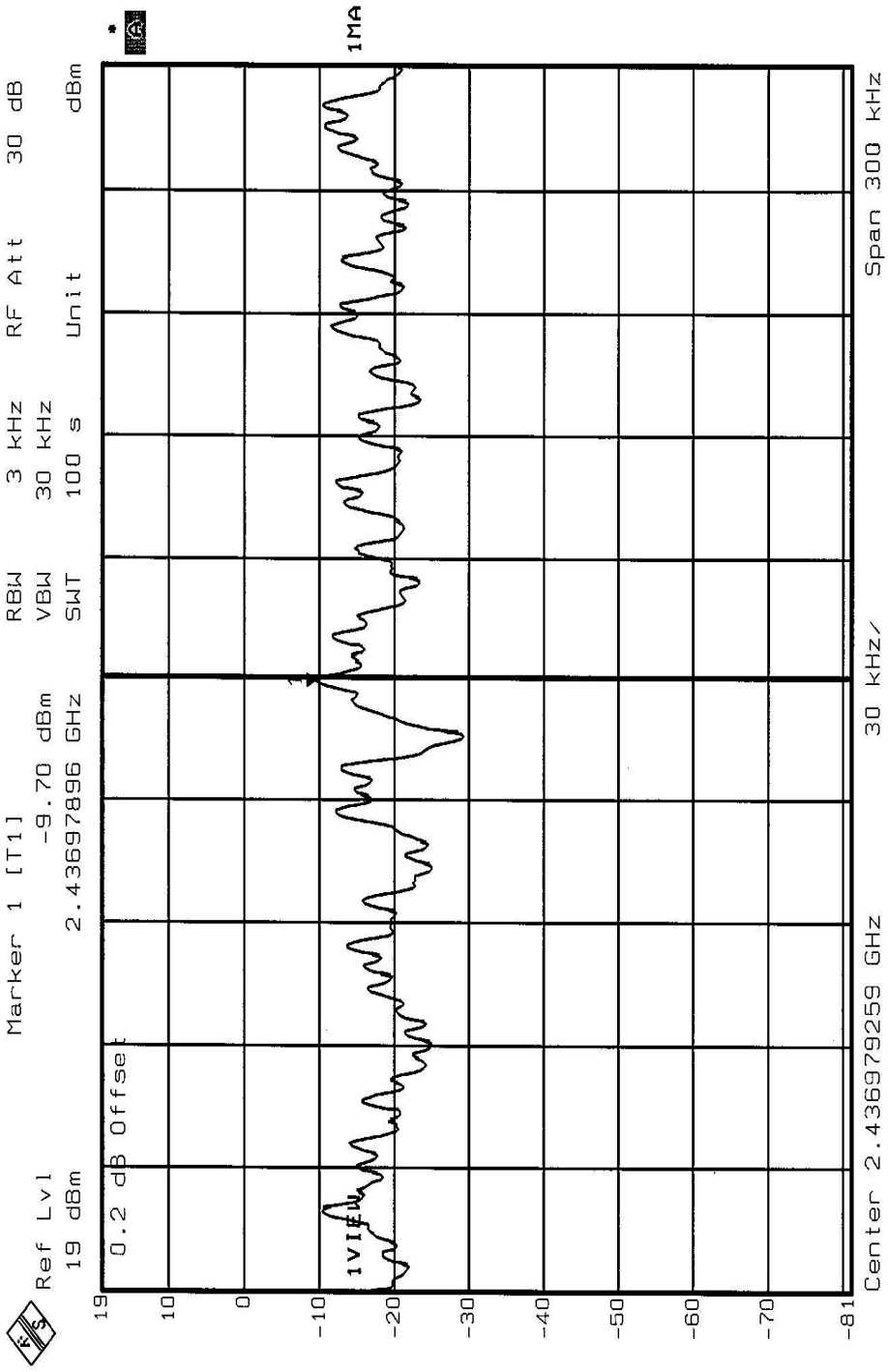
EUT	Wireless Outdoor Bridge	**MODEL**	SL-2511BG PLUS
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	26deg. C, 62%RH, 1005 hPa
TESTED BY: Ansen Lei			

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-8.31	8	PASS
6	2437	-9.70	8	PASS
11	2462	-9.04	8	PASS

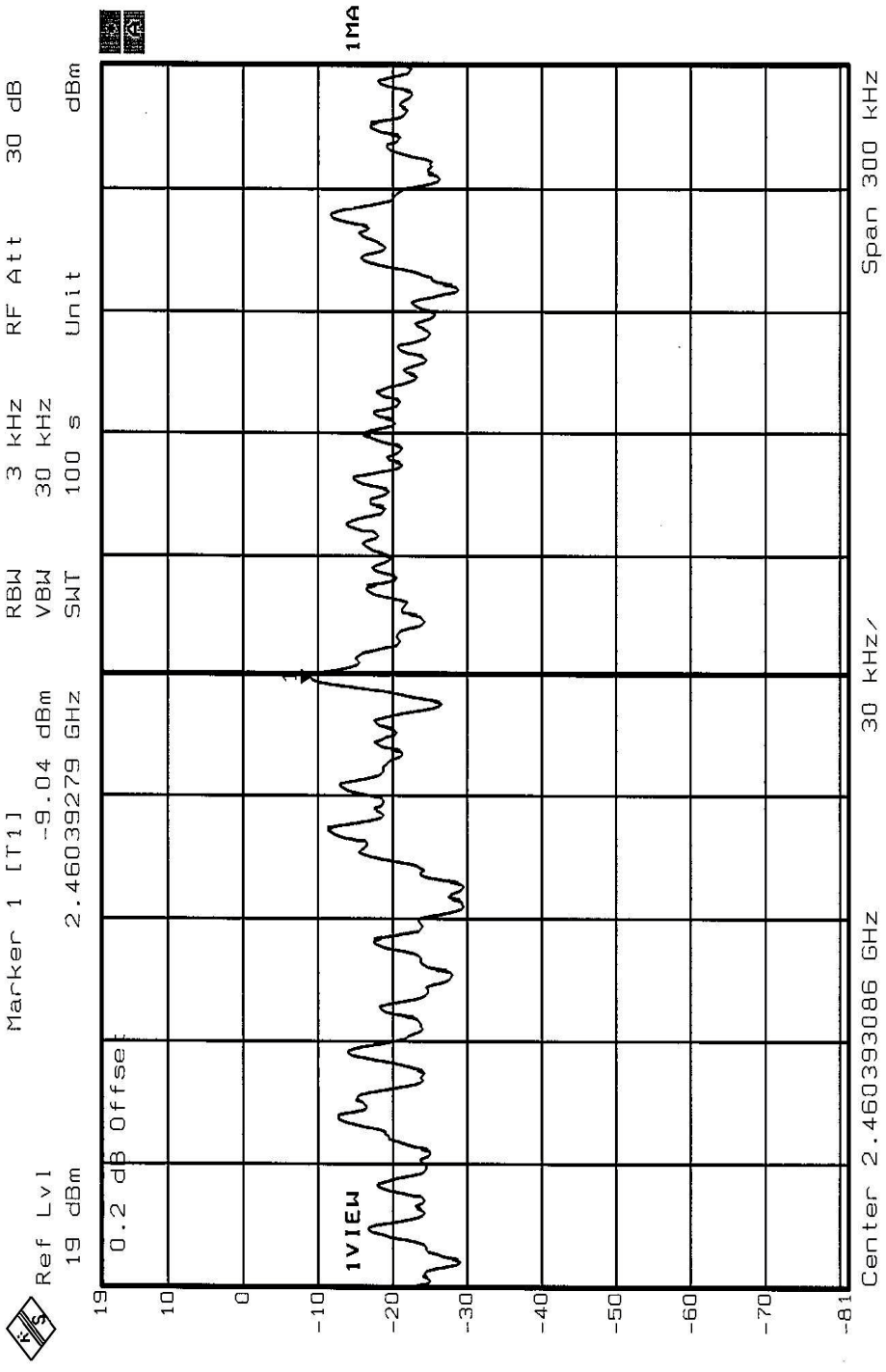
CH1


Ref Lvl
19 dBm
0.2 dB Offset
Marker 1 [T1]
-8.31 dBm
2.41197956 GHz
RBW 3 kHz
VBW 30 kHz
SWT 100 s
RF Att 30 dB
Unit dBm
1MA
1VIEW
Center 2.41197925 GHz
30 kHz/
Span 300 kHz
Date: 08.AUG.2002 16:58:13
19
10
0
-10
-20
-30
-40
-50
-60
-70
-81

CH6


Marker 1 [T1]
-9.70 dBm
2.43697896 GHz
RBW 3 kHz
VBW 30 kHz
SWT 100 s
RF Att 30 dB
Unit dBm
Ref Lvl
19 dBm
0.2 dB Offset
1MA
1VIEW
Center 2.436979259 GHz
30 kHz/
Span 300 kHz
Date: 08.AUG.2002 17:01:23

CH11


Ref Lvl
19 dBm
0.2 dB Offset
Marker 1 [T1]
-9.04 dBm
2.46039279 GHz
RBW 3 kHz
VBW 30 kHz
SWT 100 s
RF Att 30 dB
Unit dBm
1MA
1VIEW
Center 2.46039308 GHz
30 kHz/
Span 300 kHz
Date: 08.AUG.2002 17:09:45

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	July 24, 2003

NOTE:
1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz 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

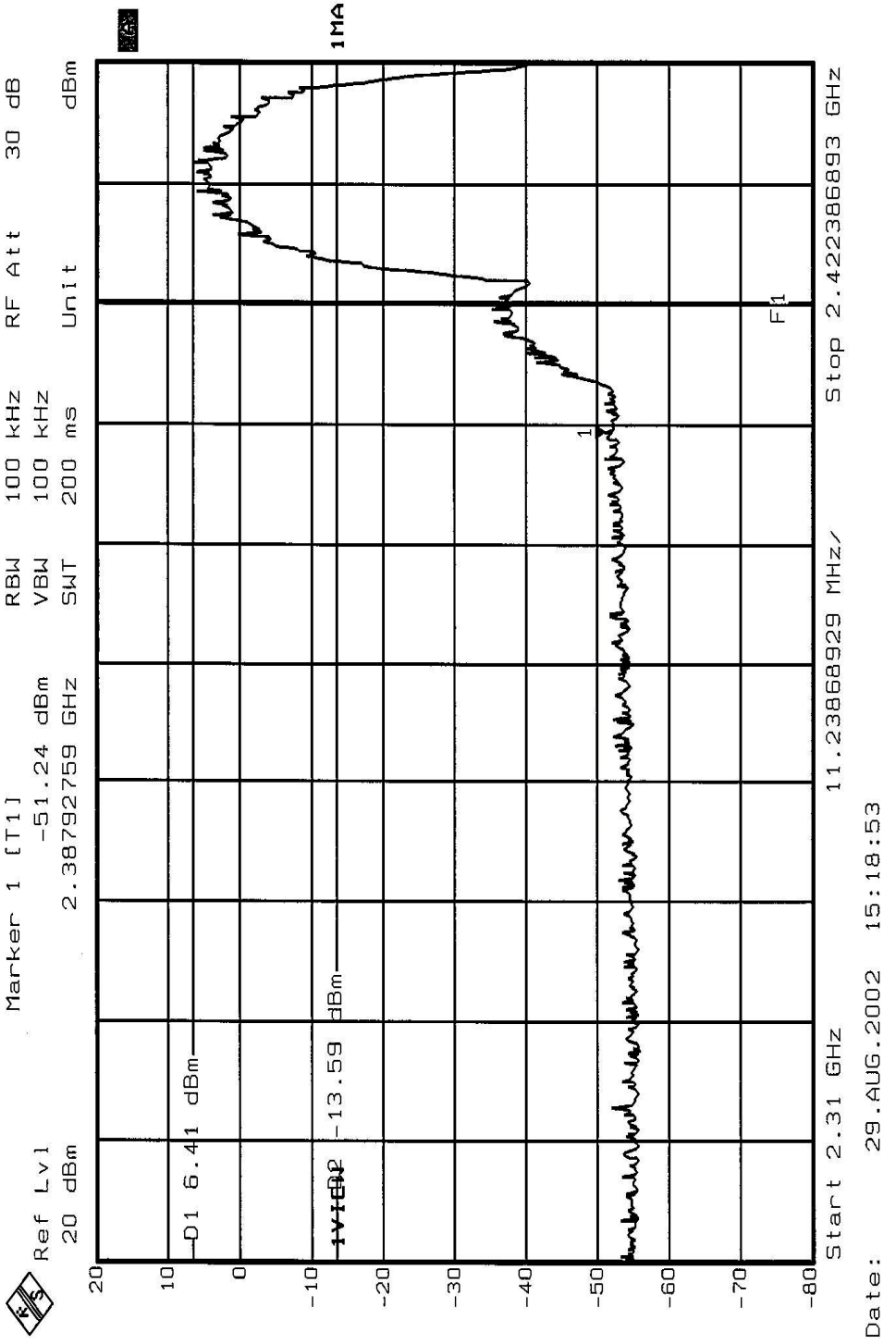
Same as Item 4.3.6

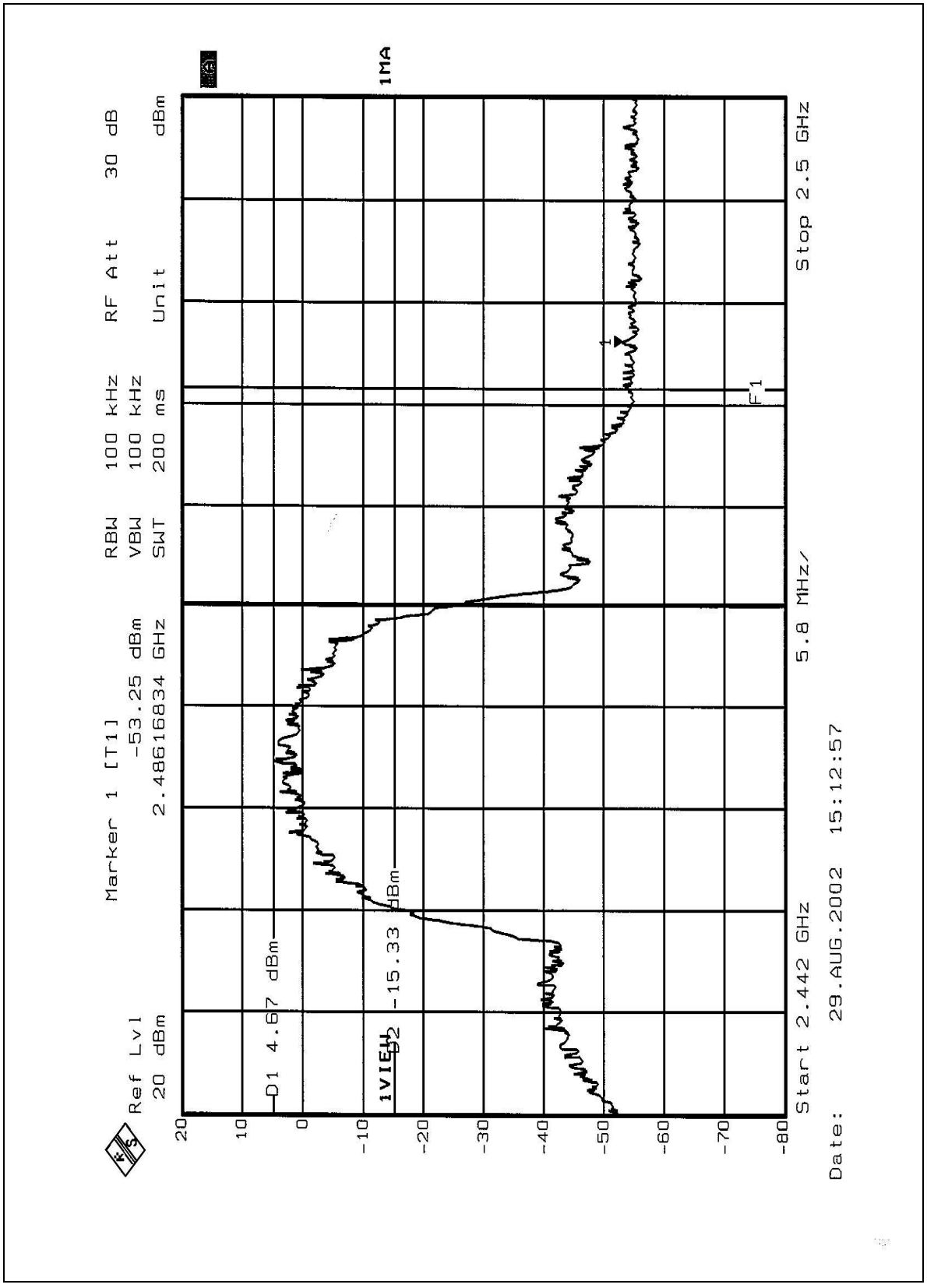
4.6.6 TEST RESULTS

The spectrum plots are attached on the following 2 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).

NOTE1: The band edge emission plot on the following first page shows 57.65dB delta between carrier maximum power and local maximum emission in restrict band (2.3879GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 111.5dBuV/m, so the maximum field strength in restrict band is 111.5-57.65=53.85dBuV/m which is under 54 dBuV/m limit.

NOTE2: The band edge emission plot on the following second page shows 57.92dB delta between carrier maximum power and local maximum emission in restrict band (2.4862GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 111.5dBuV/m, so the maximum field strength in restrict band is 111.5-57.92=53.58dBuV/m which is under 54 dBuV/m limit.


Ref Lvl
20 dBm
Marker 1 [T1]
-51.24 dBm
2.38792759 GHz
RBW 100 kHz
VBW 100 kHz
SWT 200 ms
RF Att 30 dB
Unit dBm
1MA
D1 6.41 dBm
-13.59 dBm
F1
Start 2.31 GHz
11.23868929 MHz/
Stop 2.42238689 3 GHz
Date: 29.AUG.2002 15:18:53


Ref Lvl
20 dBm
Marker 1 [T1]
-53.25 dBm
2.48616834 GHz
RBW 100 kHz
VBW 100 kHz
SWT 200 ms
RF Att 30 dB
Unit dBm
1MA
D1 4.67 dBm
1VIEW D2 -15.33 dBm
Start 2.442 GHz
5.8 MHz/
Stop 2.5 GHz
Date: 29.AUG.2002 15:12:57

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.

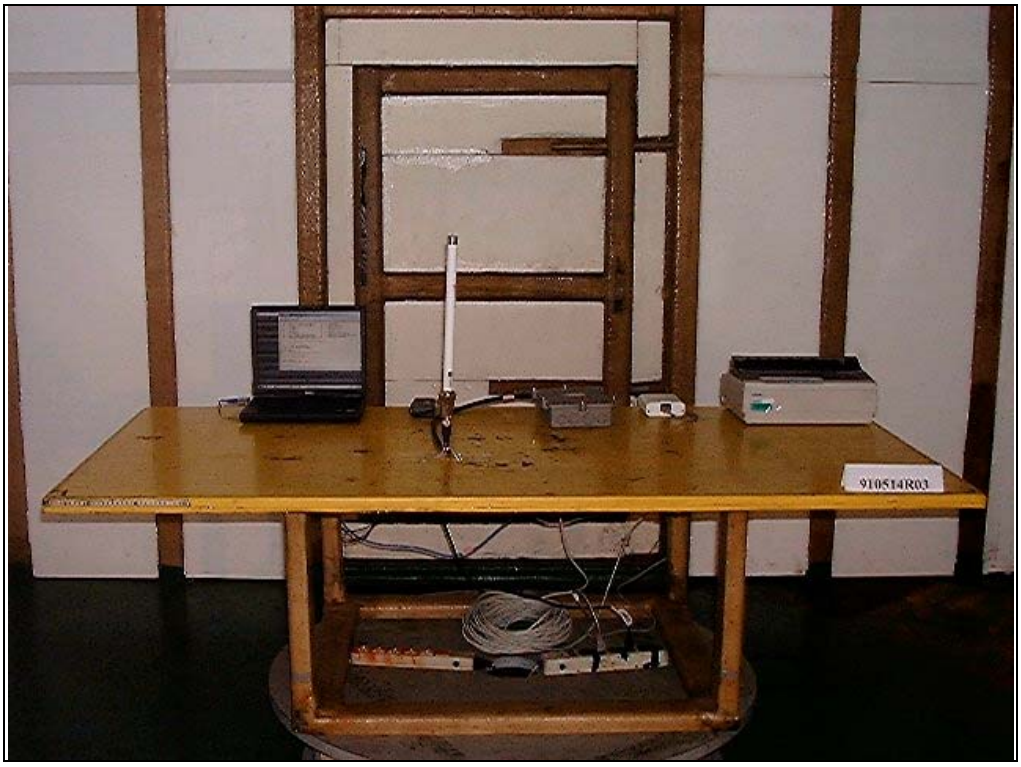
4.7.2 ANTENNA CONNECTED CONSTRUCTION

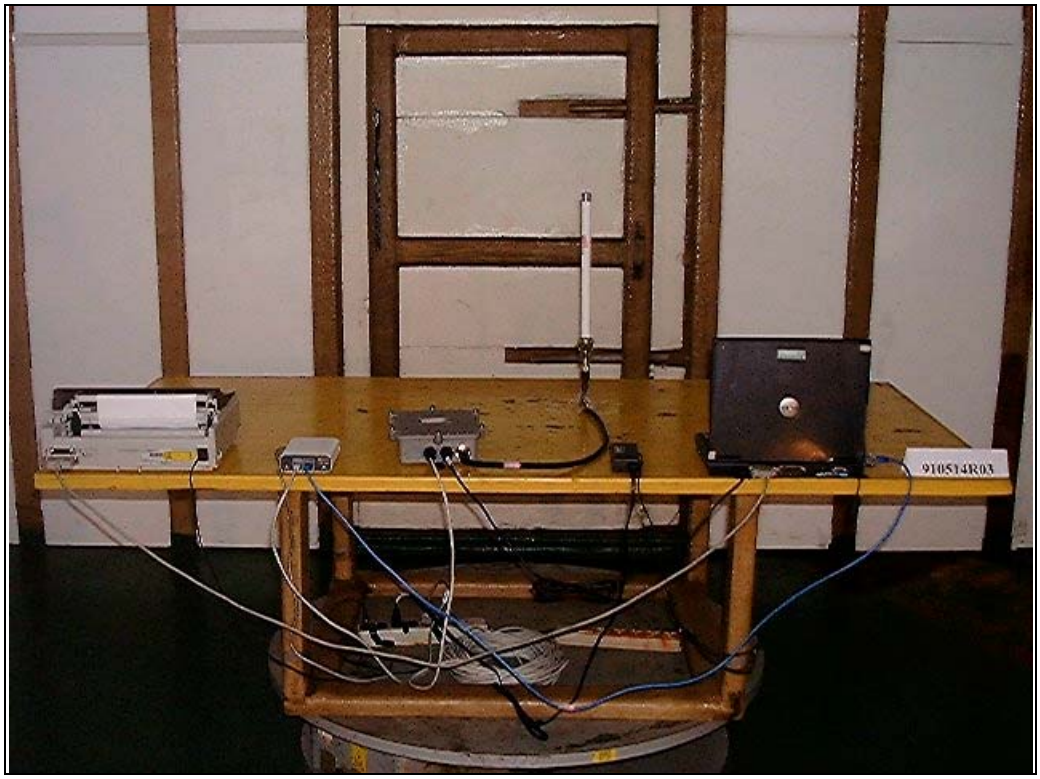
The antenna used in this product is Patch, GP and Dipole Antenna with Reversed N Type connector. The maximum Gain of the antenna is 11dBi only.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST

RADIATED EMISSION TEST





6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC 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
New Zealand	MoC
Norway	NEMKO
R.O.C.	BSMI, DGT, CNLA

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:

Lin Kou EMC Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC Lab:
Tel: 886-35-935343
Fax: 886-35-935342

Lin Kou Safety Lab:
Tel: 886-2-26093195
Fax: 886-2-26093184

Lin Kou RF&Telecom Lab
Tel: 886-3-3270910
Fax: 886-3-3270892

Email: service@mail.adt.com.tw
Web Site: www.adt.com.tw

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