

APPENDIX 2:Test instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MRENT-23	Spectrum Analyzer	Advantest	R3273	RE	2006/01/10 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2006/02/09 * 12
MBF-03	SHF Bandpass Filter	M-City	13GHz BPF	RE	2006/05/20 * 12
MCC-56	Microwave Cable	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MAT-21	Attenuator(20dB)(above1G Hz)	HIROSE ELECTRIC CO.,LTD.	AT-120	RE	2006/01/10 * 12
MLA-04	Logperiodic Antenna	Rohde & Schwarz	ESLP9145	RE	2006/03/29 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/03 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MLA-04C	Microwave Cable	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MAEC-01	Anechoic Chamber	TDK	Semi Anechoic Chamber 10m	RE	2005/11/14 * 12
MOS-01	Digital Humidity Indicator	N.T	NT-1800	RE	2004/11/25 * 24
MIR-01	Test Receiver	Rohde & Schwarz	ES140	RE	2005/11/10 * 12
MCC-01	Coaxial Cable 0.1 - 3000MHz	Suhner/storm/Agilent/TSJ	-	RE	2006/02/20 * 12
MBA-01	Biconical Antenna	Schwarzbeck	BBA9106	RE	2005/10/10 * 12
MLA-01	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2005/10/14 * 12
MAT-06	Attenuator(6dB)	Weinschel Corp	2	RE	2005/12/16 * 12
MPA-04	Pre Amplifier	Agilent	8447D	RE	2006/05/27 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	CE /RE	2006/04/10 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	CE	2004/11/25 * 24
MCC-13	Coaxial Cable	Fujiikura/Agilent	-	CE	2006/02/23 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/06 * 12
MRENT-31	Spectrum Analyzer	Advantest	R3273	RE/CE	2006/04/24 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2006/01/09 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	2006/01/09 * 12
MCC-57	Microwave Cable	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2006/02/09 * 12
MHF-05	High Pass Filter	Tokimec	TF323DCA	RE	2006/01/24 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	RE	2005/09/16 * 12
MCC-05	Microwave Cable 1G-40GHz	Storm	421-011 (90-1394-079)	RE	2006/01/04 * 12
MCC-27	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	RE	2005/08/30 * 12
MHA-03	Horn Antenna	EMCO	3160-10	RE	2006/01/09 * 12
MPA-03	Microwave System Power Amplifier	Agilent	83050A	RE	2006/05/16 * 12
MIR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2006/02/02 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO -DV	RE/CE	-

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MF060b(14.06.06)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT/RE	2005/09/16 * 12
MCC-34	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	AT	2006/01/27 * 12
MCC-22	Microwave Cable 1G-40GHz	Storm	421-011 (90-011-080)	AT	2006/05/12 * 12
MPM-01	Power Meter	Agilent	E4417A	AT	2005/11/09 * 12
MPSE-03	Power sensor	Agilent	E9327A	AT	2005/11/23 * 12
MAT-20	Attenuator(10dB)(above1 GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2006/01/10 * 12
MSA-07	Spectrum Analyzer	Agilent	E4408B	AT	2006/03/24 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2004/11/25 * 24
MBTR10	Spectrum Analyzer	Rohde & Schwarz	FSP30	AT	2005/11/01 * 12
MAT-22	Attenuator(10dB)(above1 GHz)	Orient Microwave	BX10-0476-00	AT	2006/03/18 * 12
MOS-05	Thermo-Hygrometer	Custom	CTH-190	AT	2006/04/25 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2006/02/11 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE	2006/03/04 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2006/02/23 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2005/10/10 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2005/12/16 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE	2004/11/25 * 24
MPA-09	Pre Amplifier	Agilent	8447D	RE	2005/09/07 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2005/09/07 * 12
MHA-04	Horn Antenna	EMCO	3160-10	RE	2006/01/09 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2006/01/09 * 12
MCC-27	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	RE	2005/08/30 * 12
MCC-05	Microwave Cable 1G-40GHz	Storm	421-011 (90-1394-079)	RE	2006/01/04 * 12
MBF-03	SHF Bandpass Filter	M-City	13GHz BPF	RE	2006/05/20 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2005/10/14 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2006/02/02 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2005/08/30 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted emission

RE: Radiated emission

AT: Antenna Terminal

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APPENDIX 3: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

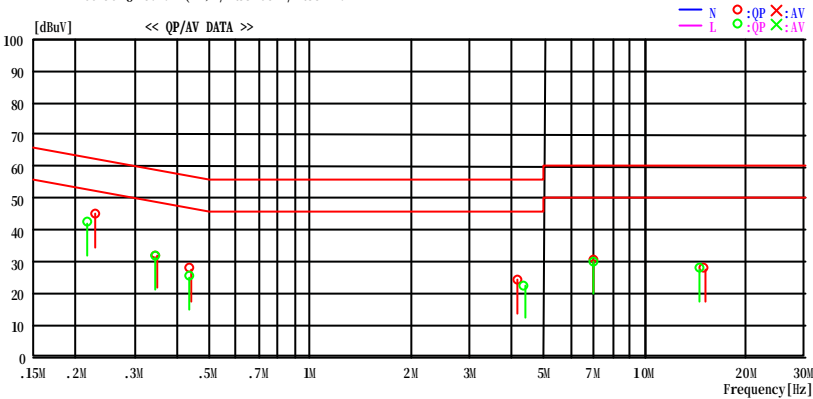
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:41:15

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-HO
Power : AC120V / 60Hz
Temp°C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Tx 2412MHz

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	N [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	N [dBuV]	QP [dB]	N [dB]	
0.22844	44.5	----	0.4	44.9	----	62.5	----	17.6	----	N
0.34802	31.6	----	0.4	32.0	----	59.0	----	27.0	----	N
0.44137	27.4	----	0.4	27.8	----	57.0	----	29.2	----	N
4.15760	23.4	----	0.8	24.2	----	56.0	----	31.8	----	N
7.02100	29.6	----	1.1	30.7	----	60.0	----	29.3	----	N
15.06700	26.1	----	1.7	27.8	----	60.0	----	32.2	----	N
0.21705	41.8	----	0.4	42.2	----	62.9	----	20.7	----	L
0.34544	31.2	----	0.4	31.6	----	59.1	----	27.5	----	L
0.43617	24.9	----	0.4	25.3	----	57.1	----	31.8	----	L
4.37500	21.4	----	0.9	22.3	----	56.0	----	33.7	----	L
7.01370	28.9	----	1.1	30.0	----	60.0	----	30.0	----	L
14.52500	26.1	----	1.7	27.8	----	60.0	----	32.2	----	L

CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:15:22

Applicant : sillex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-HO
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11b Tx 2412MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

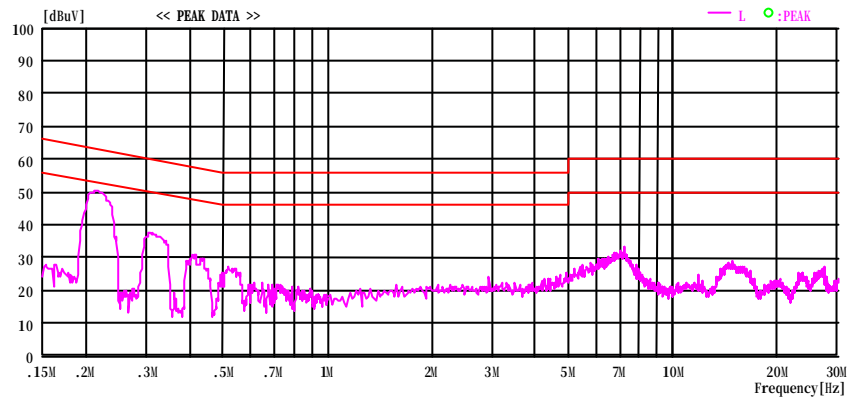
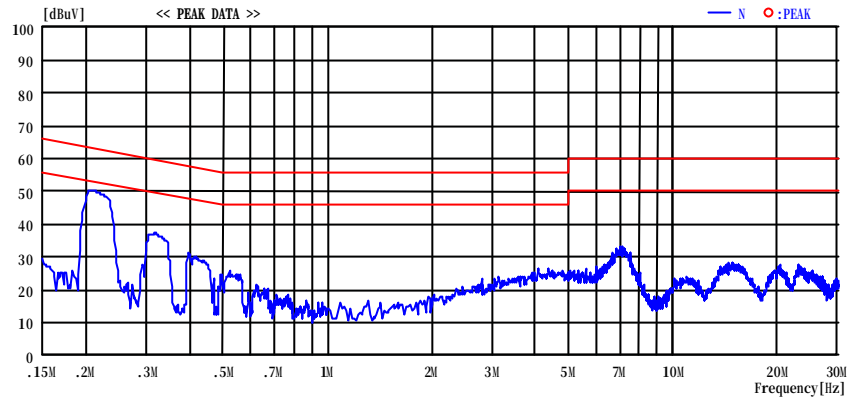


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Test report No. : 26GE0351-HO-A-1
Page : 19 of 80
Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:09:13

Applicant : silix technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp/C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11b Tx 2437MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

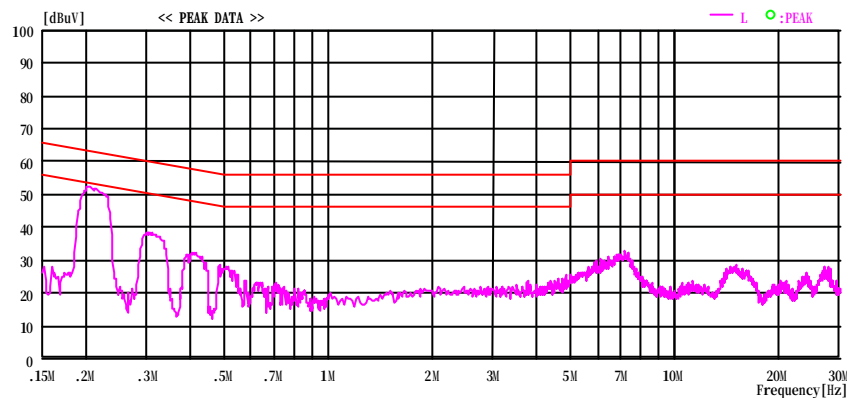
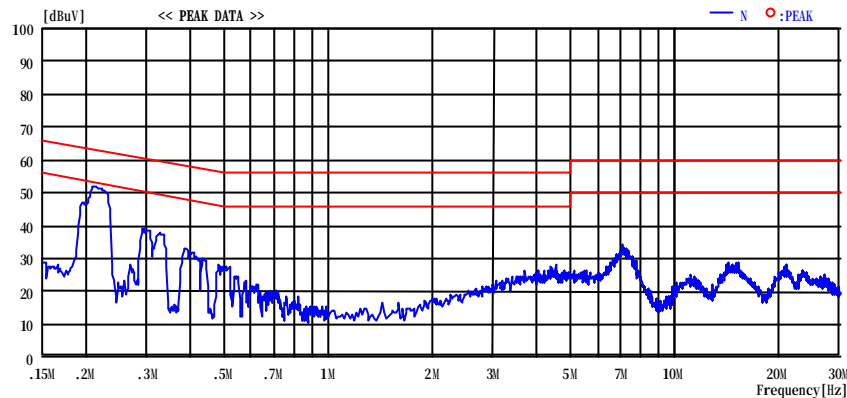


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:19:39

Applicant

Kind of EUT

Model No.

Serial No.

: sillex technology, Inc

: MiniPCI Wireless LAN Board

: SX-10WAG

: ES0002

Report No.

Power

Temp °C/Humi%

Operator

: 26GE0350-B0

: AC120V / 60Hz

: 24.6deg.C / 38%

: Norihisa Hashimoto

Mode / Remarks

: 11b Tx 2462MHz

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

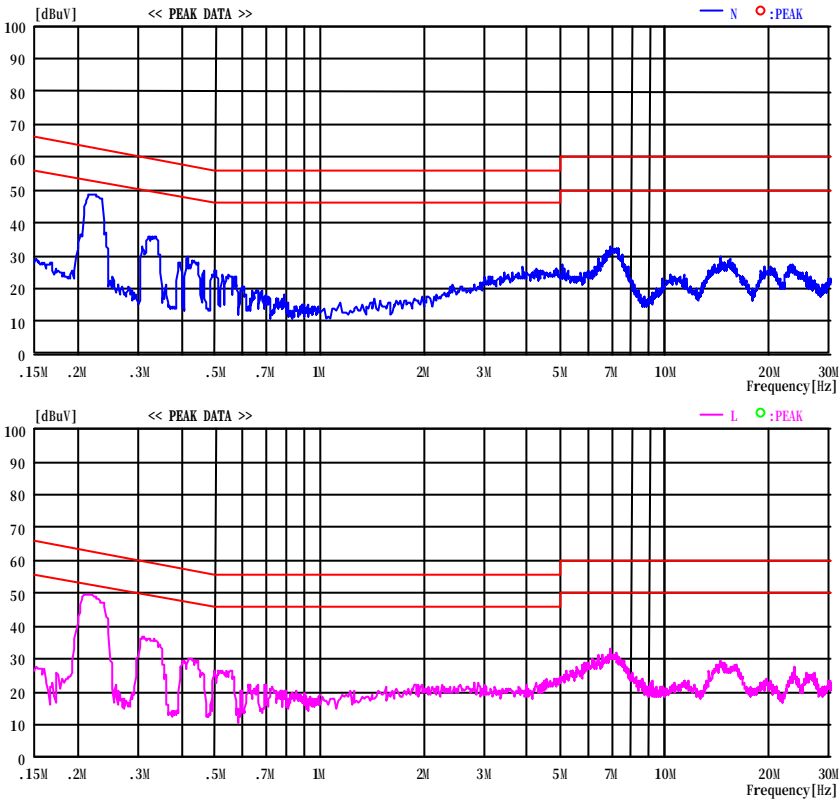


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:30:03

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp°C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11b Rx 2437MHz

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

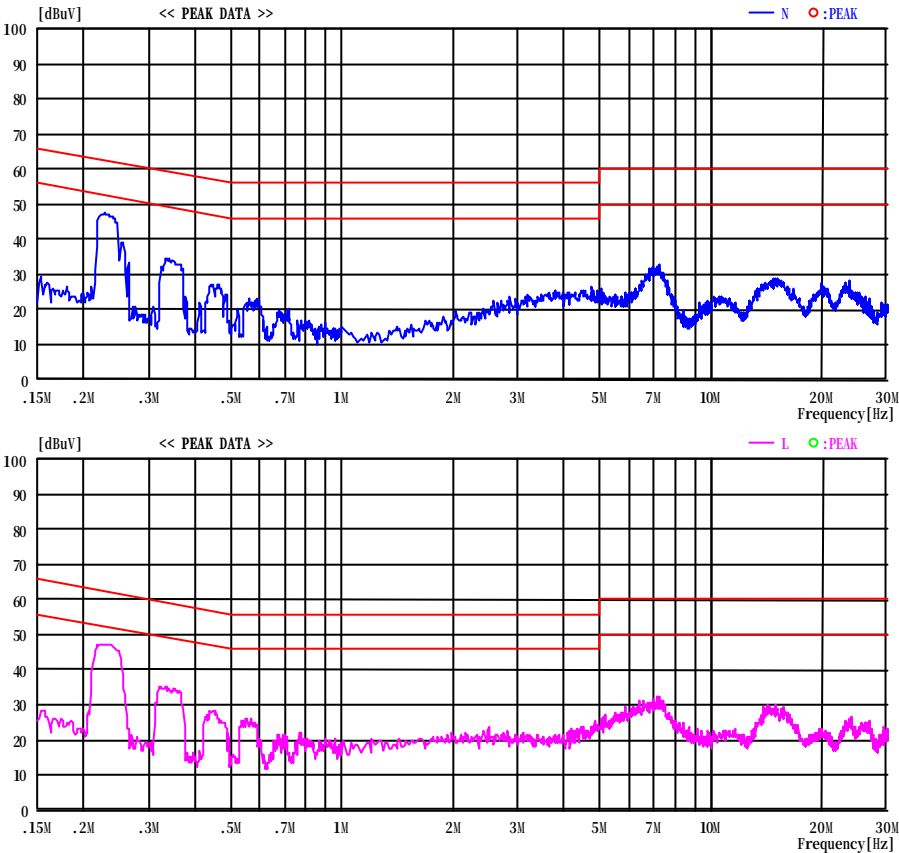


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:35:54

Applicant : sillex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-HO
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Tx 2412MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

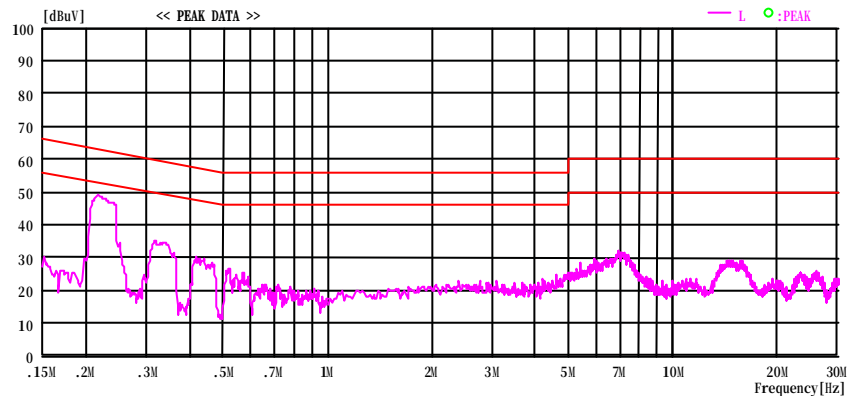
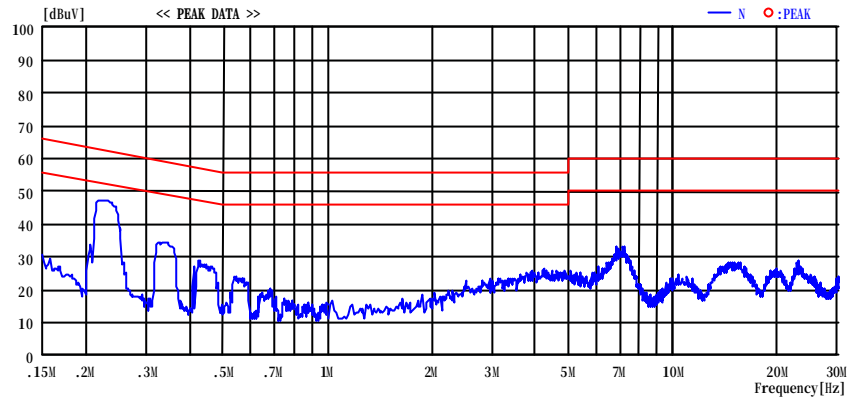


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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MF060b(14.06.06)

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:41:15

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Tx 2437MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

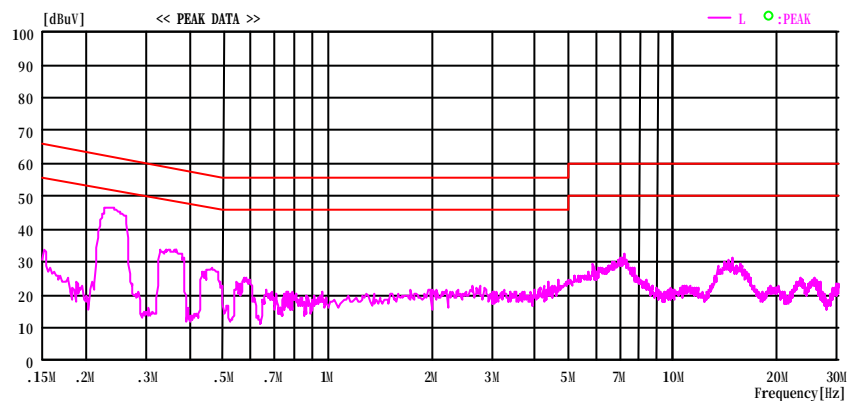
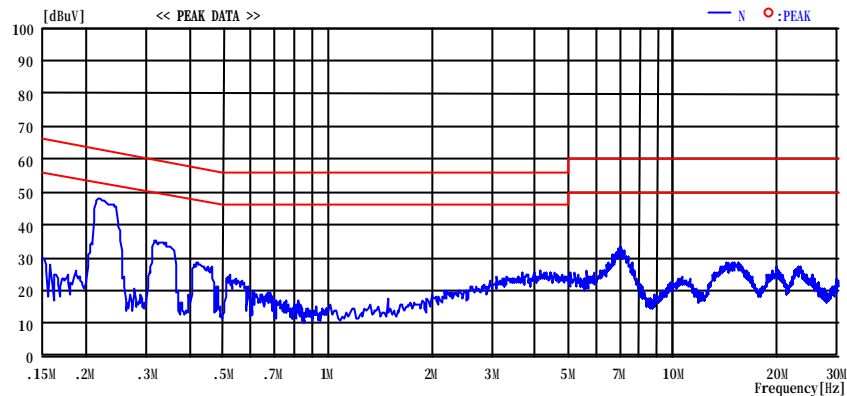


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

UL Apex Co., Ltd.

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MF060b(14.06.06)

Test report No. : 26GE0351-HO-A-1
Page : 24 of 80
Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:51:47

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Tx 2462MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

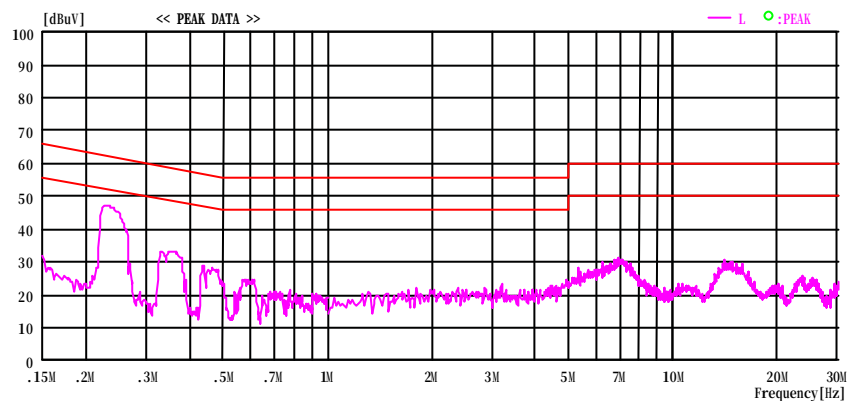
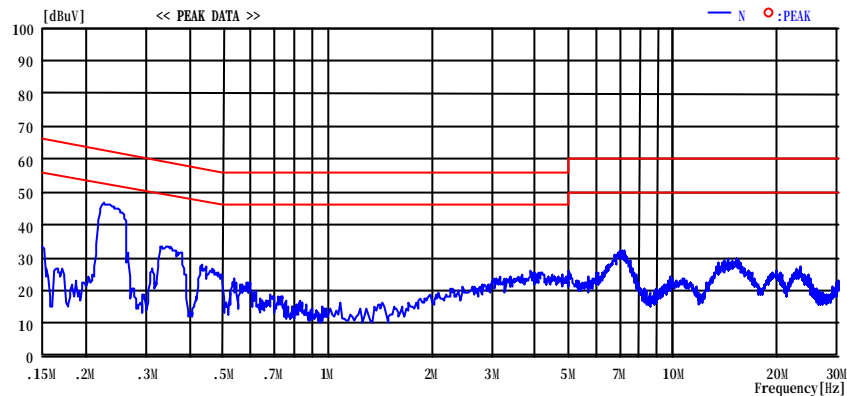


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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MF060b(14.06.06)

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:45:38

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Tx 2437MHz Turbo

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

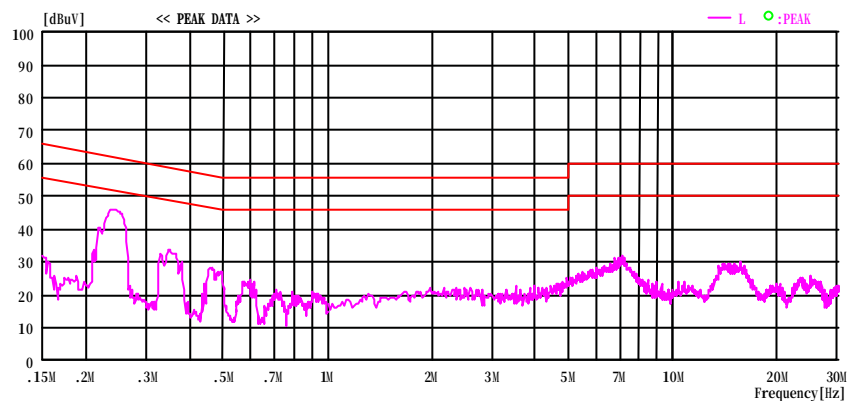
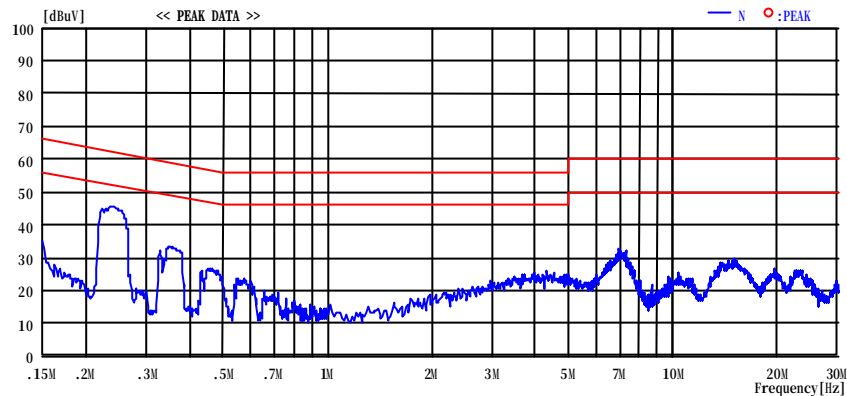


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table: adequate margin data below the limits.

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MF060b(14.06.06)

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/11 23:58:23

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : ES0002

Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp °C/Humi% : 24.6deg.C / 38%
Operator : Norihisa Hashimoto

Mode / Remarks : 11g Rx 2437MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

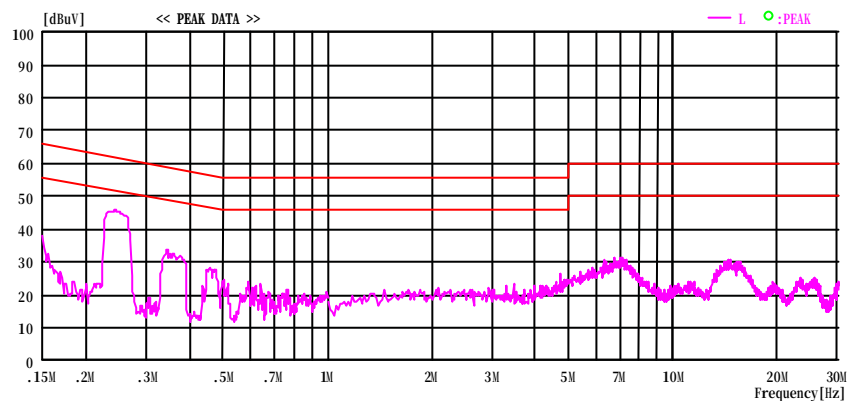
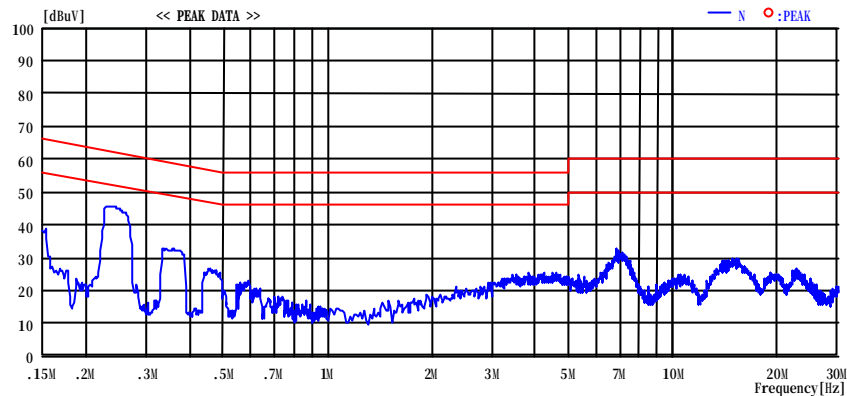


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(14.06.06)

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : Silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : 0080923A9A29

Report No. : 26GE0350-HO
Power : AC120V / 60Hz
Temp/C/Humi% : 25deg.C / 53%
Operator : Hiroka Umeyama

Mode / Remarks : 11a Tx 5825MHz

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
FCC15C §15.207 (AV) / RSS-Gen / RSS-210

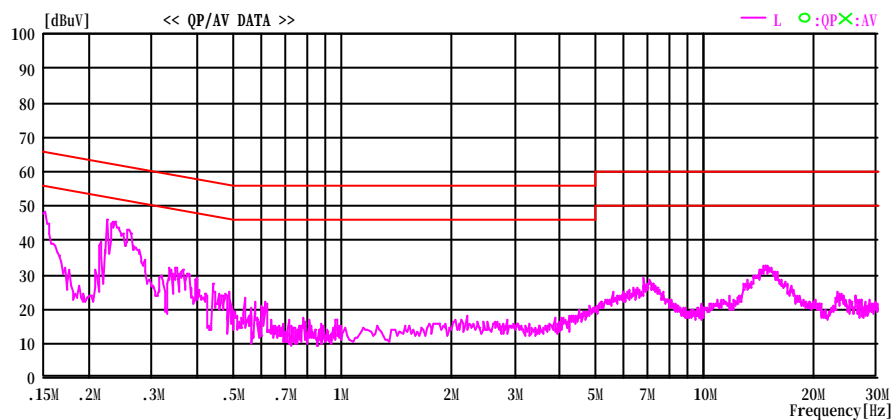
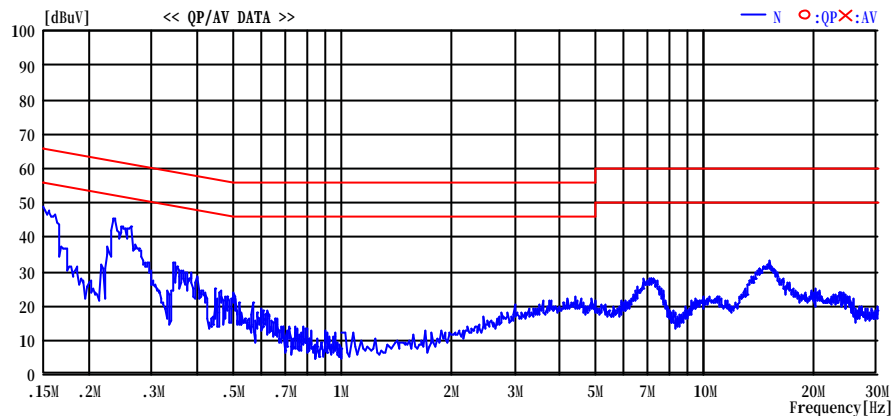


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

UL Apex Co., Ltd.

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MF060b(14.06.06)

6dB Bandwidth

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

Company : silex technology, Inc.
Equipment : MiniPCI Wireless LAN Board
Model : SX-10WAG
Sample No. : ES0002
Power : DC3.3V
Mode : Tx IEEE 802.11b/g
Antenna : B

REPORT NO : 26GE0351-HO
REGULATION : FCC15.247(a)(2)
TEST DISTANCE : -
DATE : 05/15/2006
TEMPERATURE : 24deg.C
HUMIDITY : 37%
ENGINEER : Hiroka Umeyama

[IEEE802.11b : 11Mbps]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	12.800	500.0
Mid	2437.0	11.400	500.0
High	2462.0	11.300	500.0

[IEEE802.11g : 54M/108M(Turbo mode)bps]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.500	500.0
Mid	2437.0	16.600	500.0
High	2462.0	16.600	500.0
Mid (Turbo mode)	2437.0	33.100	500.0

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Test report No. : 26GE0351-HO-A-1
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Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

6dB Bandwidth

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

Company	: silex technology, Inc.	REPORT NO	: 26GE0351-HO
Equipment	: MiniPCI Wireless LAN Board	REGULATION	: FCC15.247(a)(2)
Model	: SX-10WAG	TEST DISTANCE	: -
Sample No.	: 0080923A9A29	DATE	: 07/08/2006
Power	: DC3.3V	TEMPERATURE	: 25deg.C
Mode	: Tx IEEE 802.11a	HUMIDITY	: 60%
Antenna	: A	ENGINEER	: Hiroka Umeyama

[IEEE802.11a : 54Mbps]

Ch	Freq.	6dB Bandwidth	Limit
	[MHz]	[MHz]	[kHz]
-	5825.0	16.603	500.0

UL Apex Co., Ltd.

Head Office EMC Lab.

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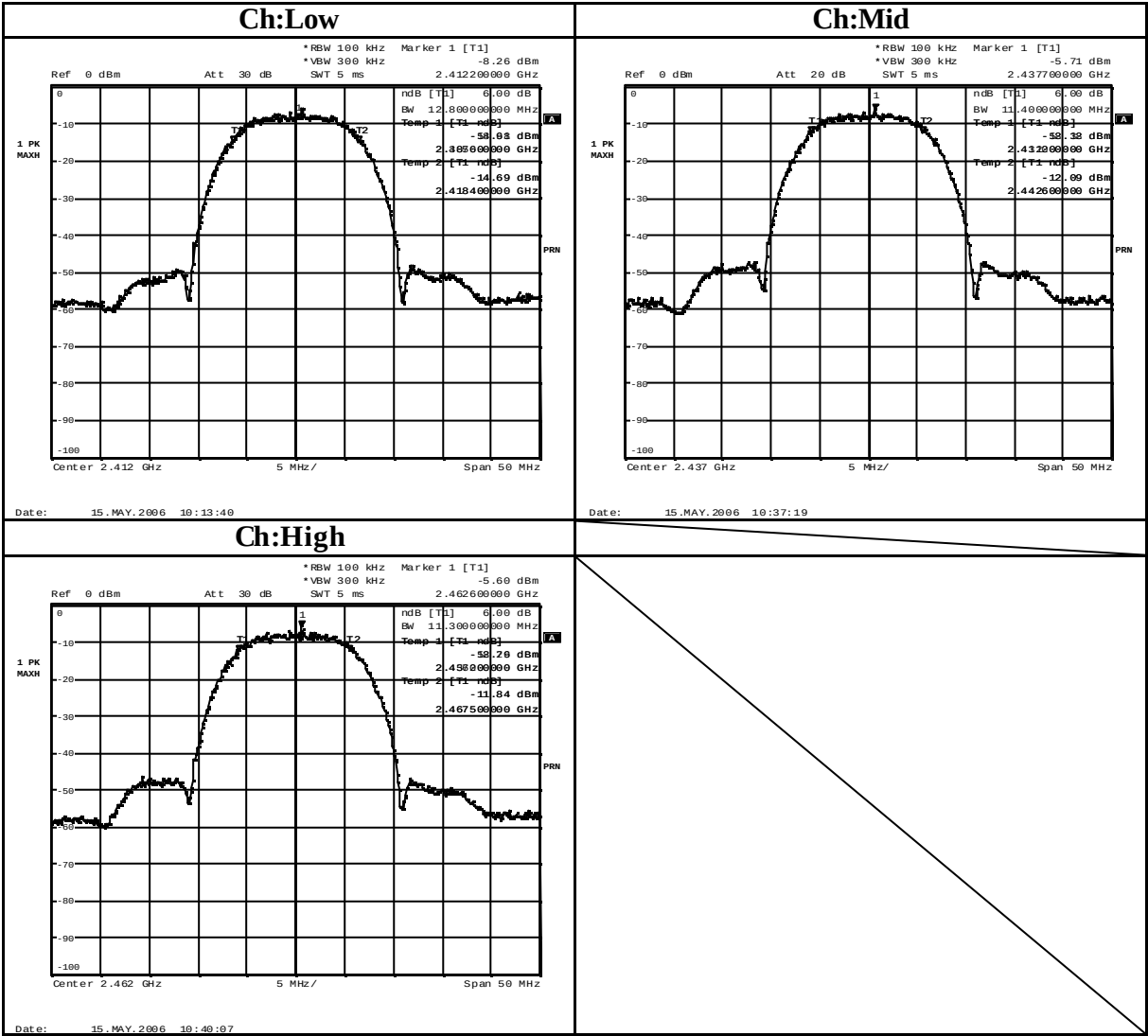
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)

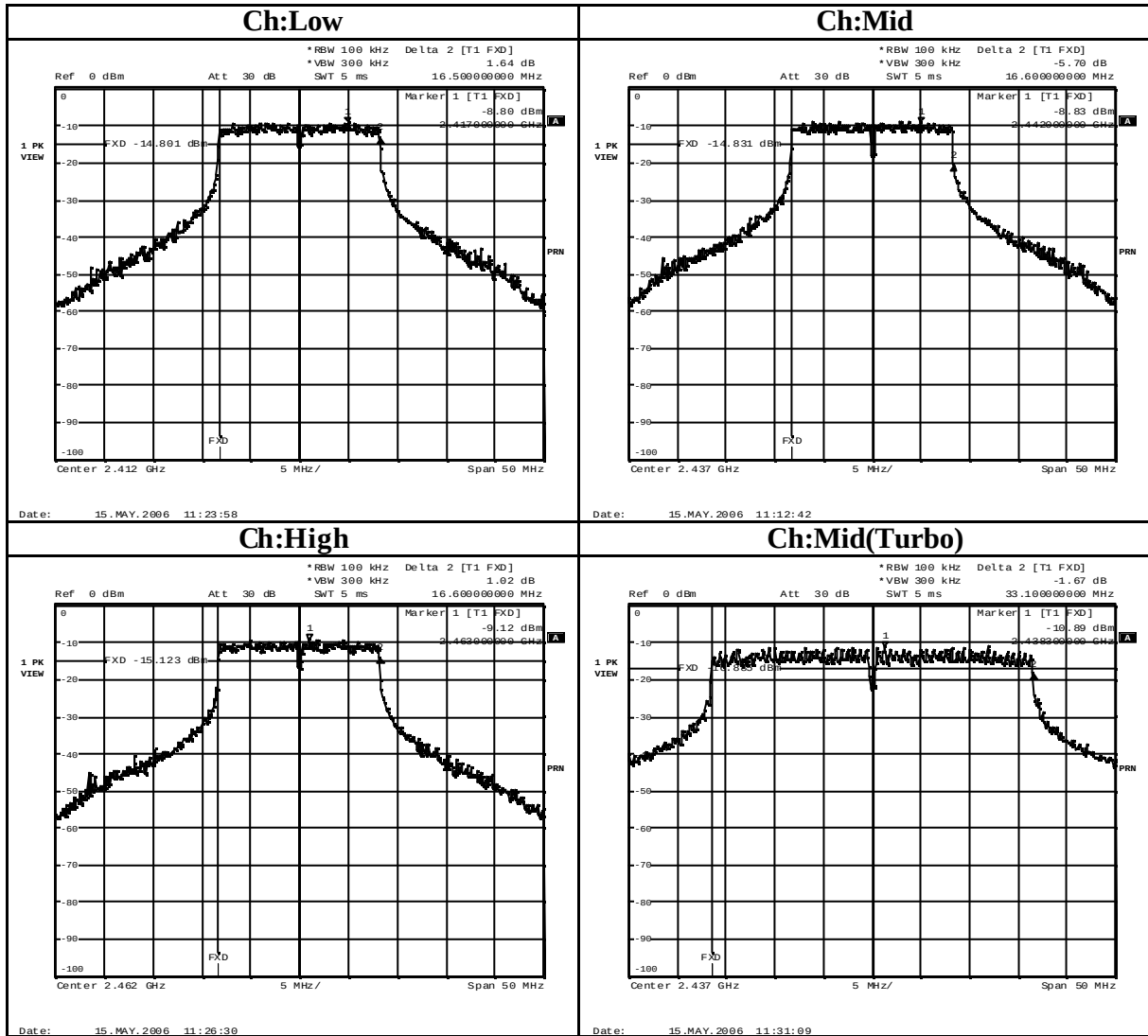
6dB Bandwidth

IEEE802.11b 11Mbps Antenna:B



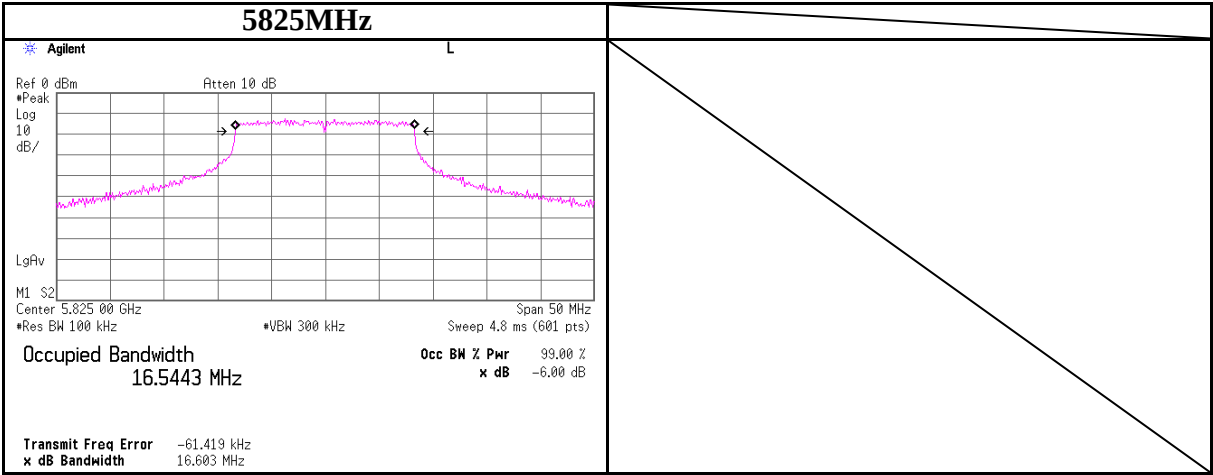
6dB Bandwidth

IEEE802.11g 54M/108M(Turbo mode) bps Antenna:B



6dB Bandwidth

IEEE802.11a 54Mbps Antenna:A



Maximum Peak Output Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

Company : silex technology, Inc.	REPORT NO : 26GE0351-HO
Equipment : MiniPCI Wireless LAN Board	REGULATION : FCC15.247(b)(3)
Model : SX-10WAG	TEST DISTANCE : -
Sample No. : ES0002	DATE : 05/17/2006
Power : DC3.3V	TEMPERATURE : 23deg.C
Mode : Tx IEEE 802.11b/g	HUMIDITY : 62%
Antenna : A/B	ENGINEER : Hiroka Umeyama

IEEE802.11b : 11Mbps : Antenna A I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	2.23	2.80	10.00	15.03	30.00	14.97
Mid	2437.0	2.58	2.80	10.00	15.38	30.00	14.62
High	2462.0	2.97	2.80	10.00	15.77	30.00	14.23

IEEE802.11b : 11Mbps : Antenna B I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	2.88	2.80	10.00	15.68	30.00	14.32
Mid	2437.0	2.74	2.80	10.00	15.54	30.00	14.46
High	2462.0	2.98	2.80	10.00	15.78	30.00	14.22

IEEE802.11g : 54Mbps : Antenna A I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	2.48	2.80	10.00	15.28	30.00	14.72
Mid	2437.0	2.97	2.80	10.00	15.77	30.00	14.23
High	2462.0	3.53	2.80	10.00	16.33	30.00	13.67

IEEE802.11g : 54Mbps : Antenna B I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
Low	2412.0	2.61	2.80	10.00	15.41	30.00	14.59
Mid	2437.0	3.34	2.80	10.00	16.14	30.00	13.86
High	2462.0	3.65	2.80	10.00	16.45	30.00	13.55

IEEE802.11g : Turbo Mode 108Mbps : Antenna A I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
-	2437.0	2.65	2.80	10.00	15.45	30.00	14.55

IEEE802.11g : Turbo Mode 108Mbps : Antenna B I

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
-	2437.0	2.91	2.80	10.00	15.71	30.00	14.29

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

*Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

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Maximum Peak Output Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

Company	: silex technology, Inc.	REPORT NO	: 26GE0351-HO
Equipment	: MiniPCI Wireless LAN Board	REGULATION	: FCC15.247(b)(3)
Model	: SX-10WAG	TEST DISTANCE	: -
Sample No.	: 0080923A9A29	DATE	: 07/08/2006
Power	: DC3.3V	TEMPERATURE	: 25deg.C
Mode	: Tx IEEE 802.11a	HUMIDITY	: 60%
Antenna	: A/B	ENGINEER	: Hiroka Umeyama

IEEE802.11a : 54Mbps : Antenna A 1

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
-	5825.0	-1.12	4.10	10.00	12.98	30.00	17.02

IEEE802.11a : 54Mbps : Antenna B 1

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit (1W) [dBm]	Margin [dB]
-	5825.0	-1.27	4.10	10.00	12.83	30.00	17.17

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

*Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

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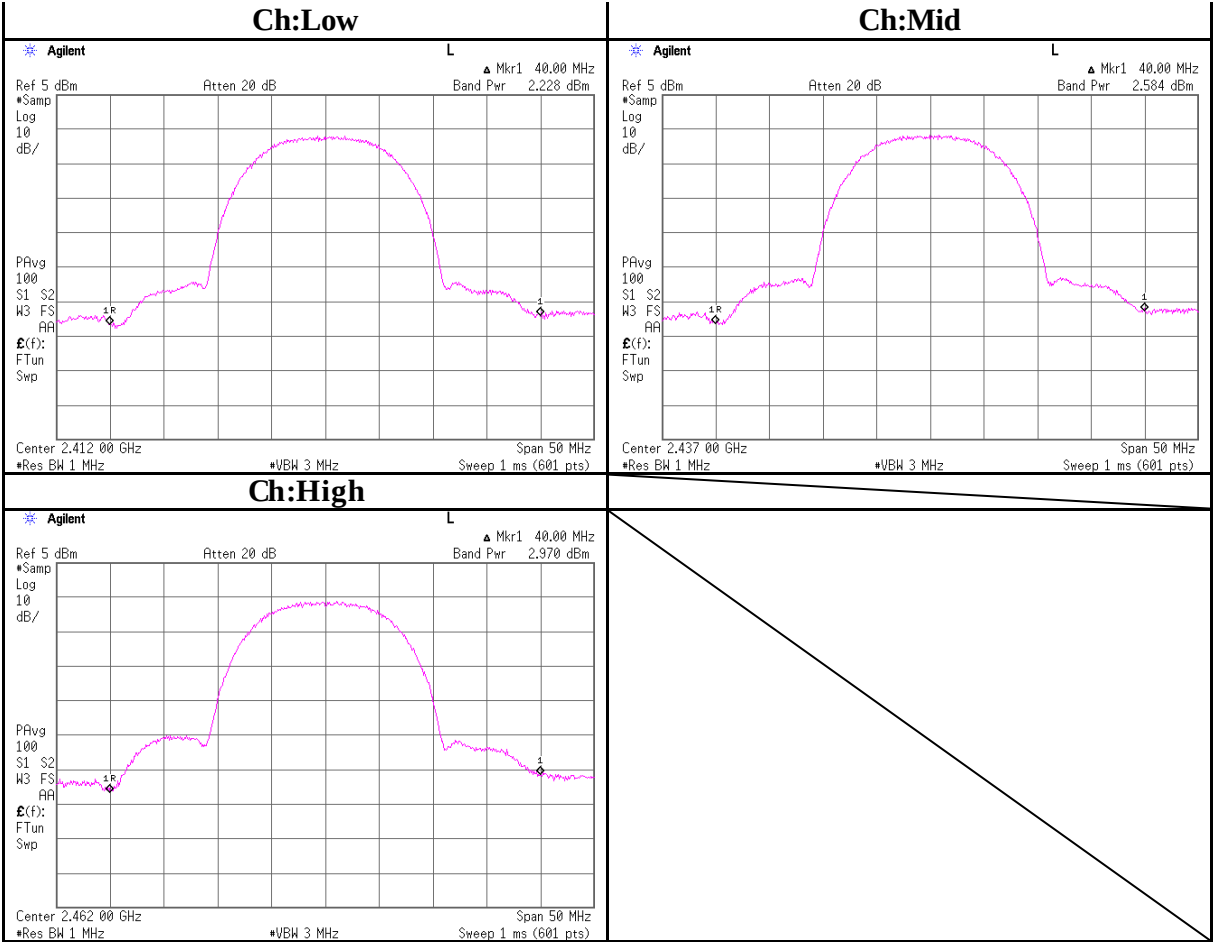
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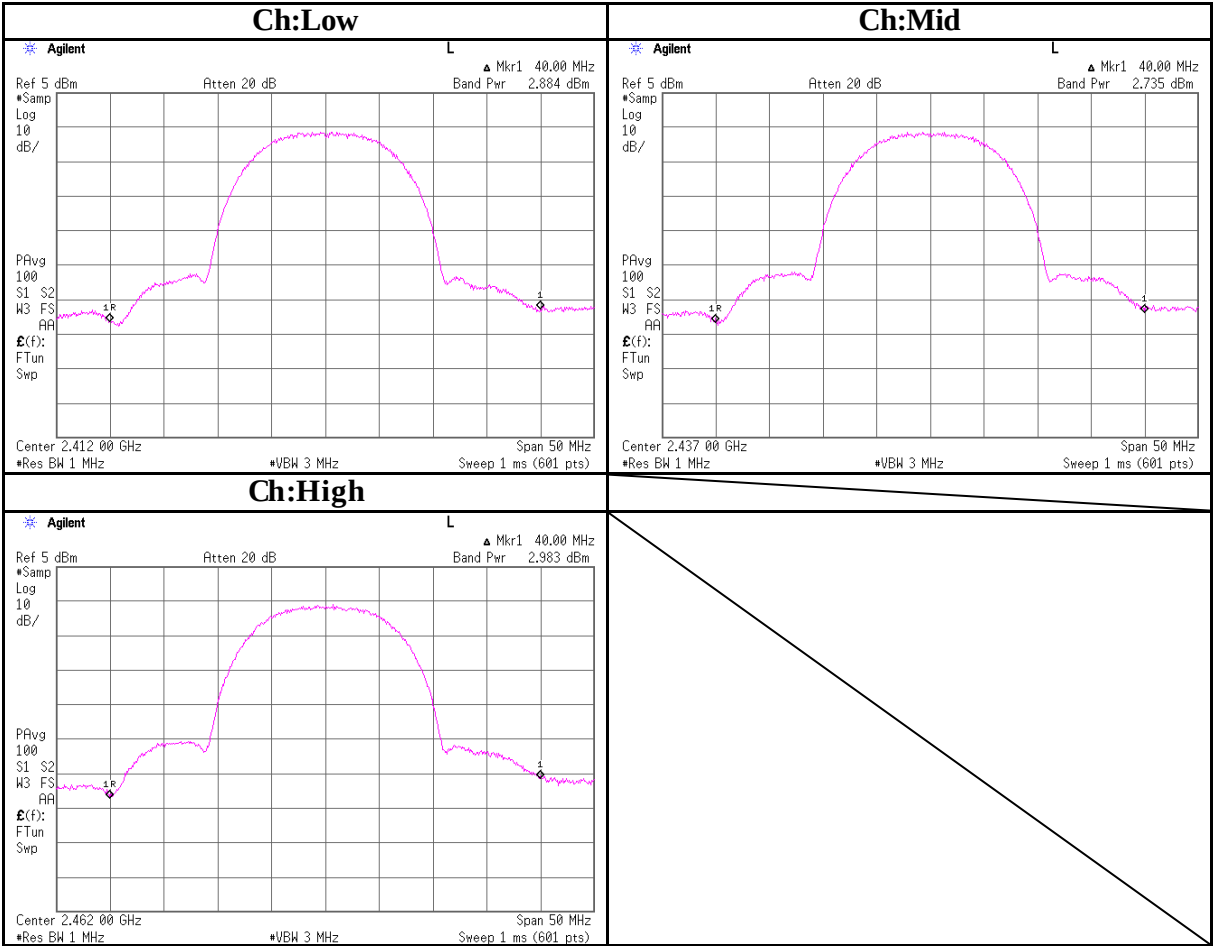
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MF060b(14.06.06)

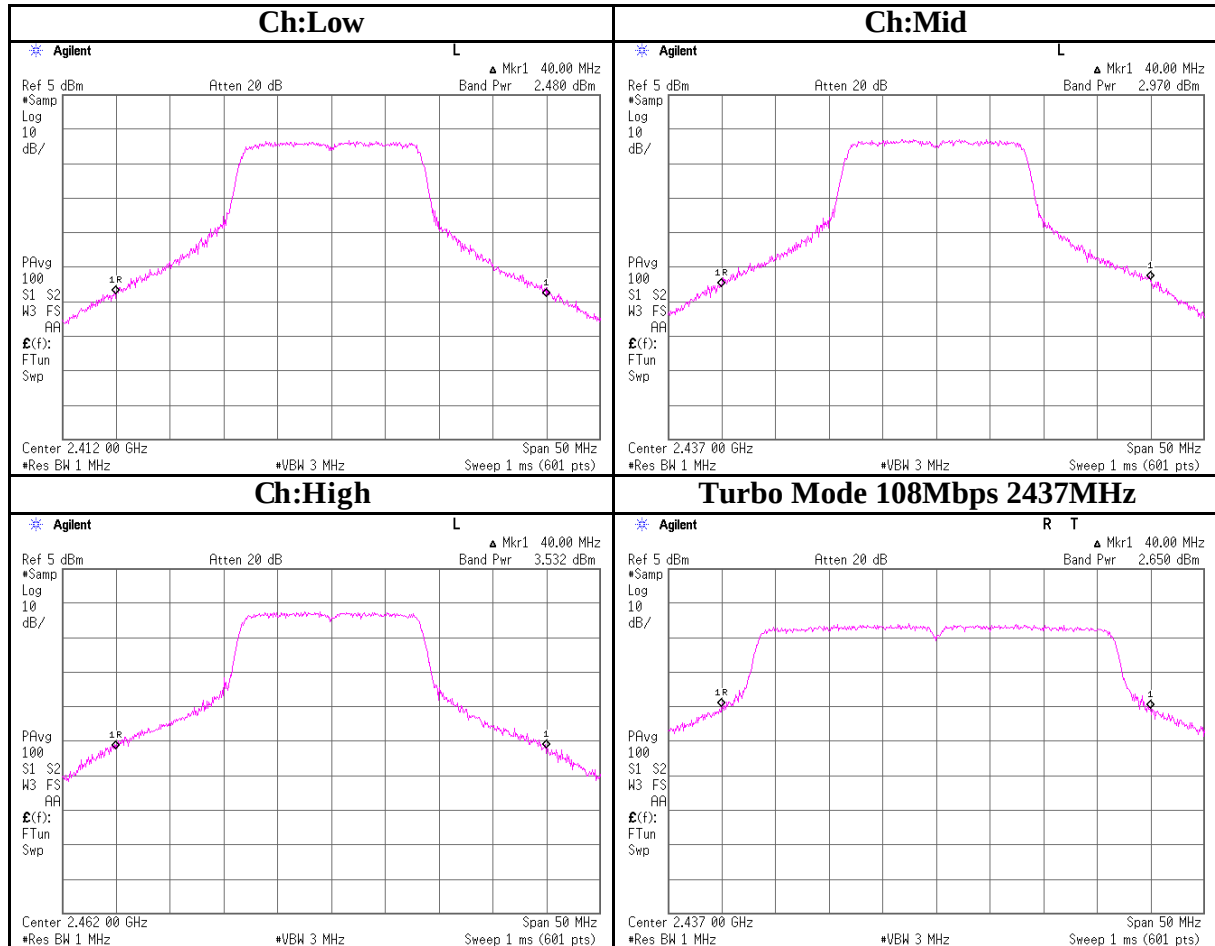
Maximum Peak Output Power
(IEEE802.11b 11Mbps Antenna:A)



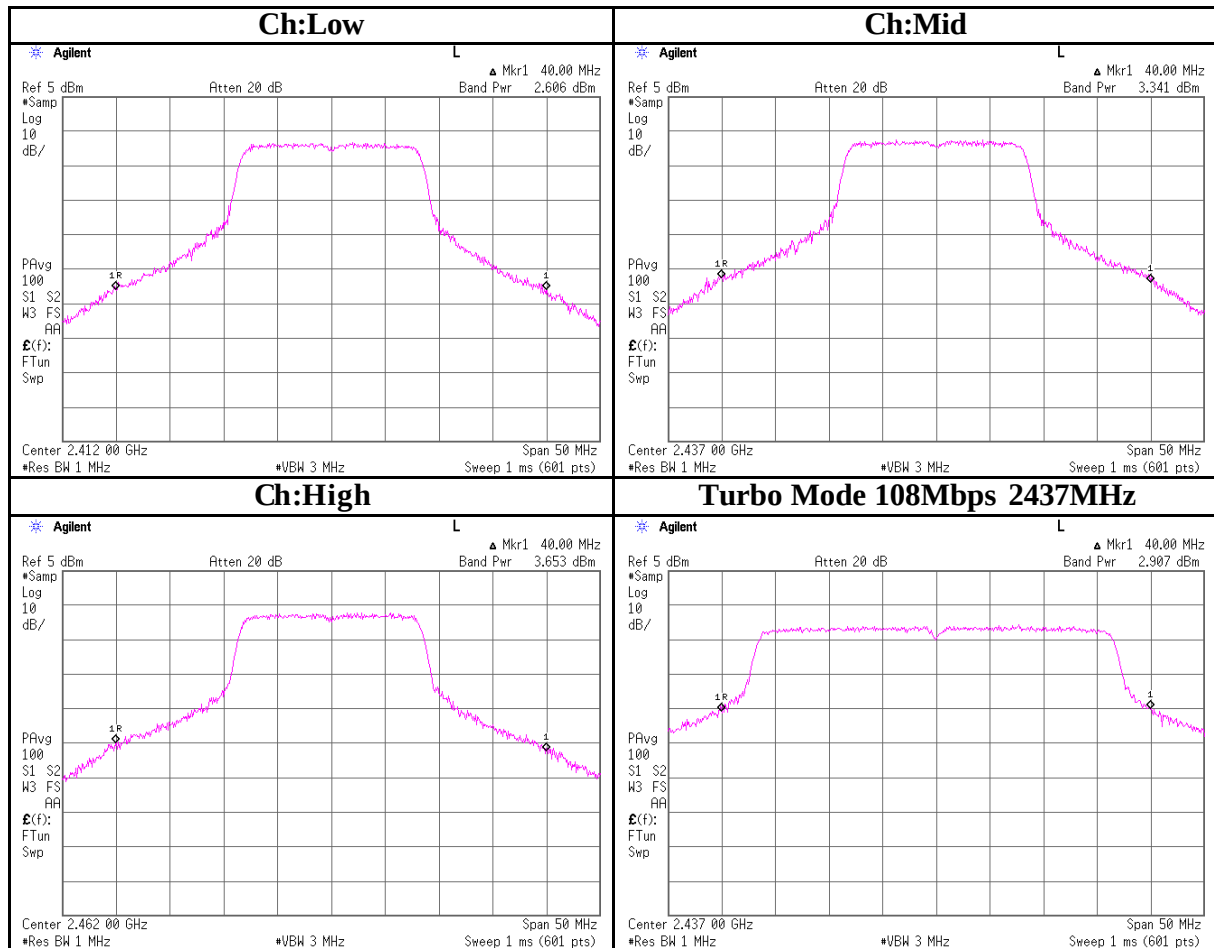
Maximum Peak Output Power
(IEEE802.11b 11Mbps Antenna:B)



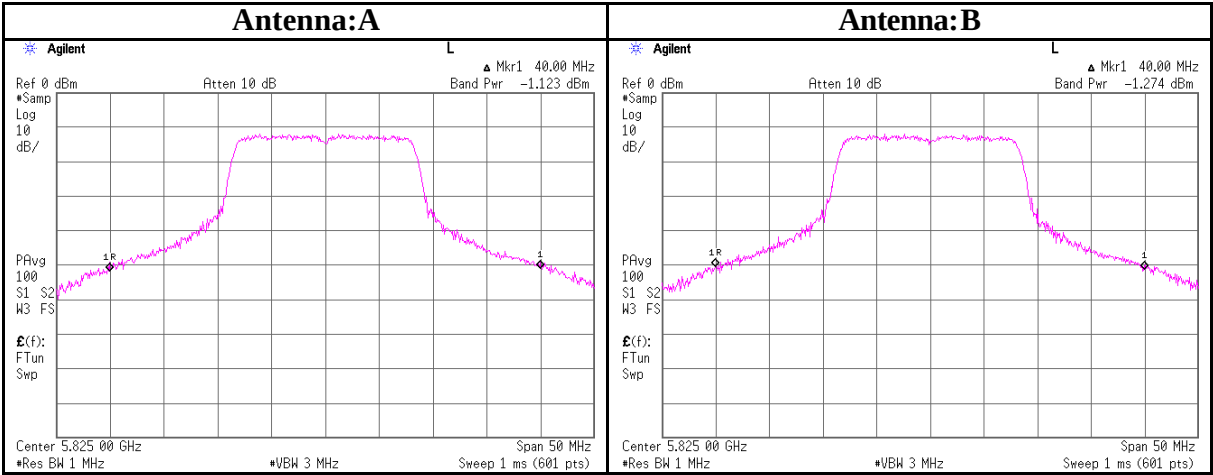
Maximum Peak Output Power
(IEEE802.11g 54Mbps Antenna:A)



Maximum Peak Output Power
(IEEE802.11g 54Mbps Antenna:B)



Maximum Peak Output Power
(IEEE802.11a 54Mbps Antenna:A/B)



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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

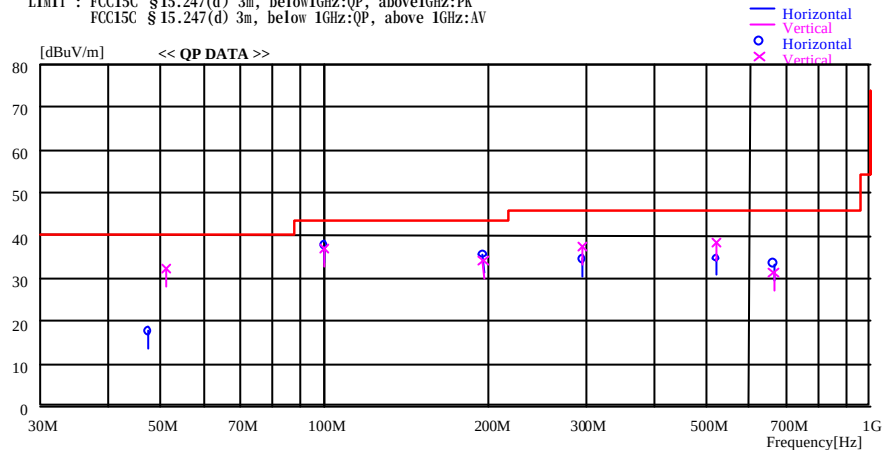
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11b/11Mbps/2412MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
47.400	26.7	QP	11.4	-20.3	17.8	250	280	Hori.	40.0	22.2
51.220	42.0	QP	10.3	-20.2	32.1	23	100	Vert.	40.0	7.9
99.670	46.4	QP	10.4	-19.2	37.6	0	400	Hori.	43.5	5.9
99.670	45.6	QP	10.4	-19.2	36.8	0	100	Vert.	43.5	6.7
195.090	34.7	QP	17.0	-17.7	34.0	0	100	Vert.	43.5	9.5
195.090	36.3	QP	17.0	-17.7	35.6	0	185	Hori.	43.5	7.9
296.450	30.9	QP	20.3	-16.6	34.6	145	300	Hori.	46.0	11.4
296.450	33.5	QP	20.3	-16.6	37.2	140	230	Vert.	46.0	8.8
520.230	36.5	QP	18.1	-16.4	38.2	354	100	Vert.	46.0	7.8
520.230	33.0	QP	18.1	-16.4	34.7	100	170	Hori.	46.0	11.3
664.080	28.9	QP	20.0	-15.5	33.4	120	263	Hori.	46.0	12.6
664.080	26.9	QP	20.0	-15.5	31.4	37	100	Vert.	46.0	14.6

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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Test report No. : 26GE0351-HO-A-1
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Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

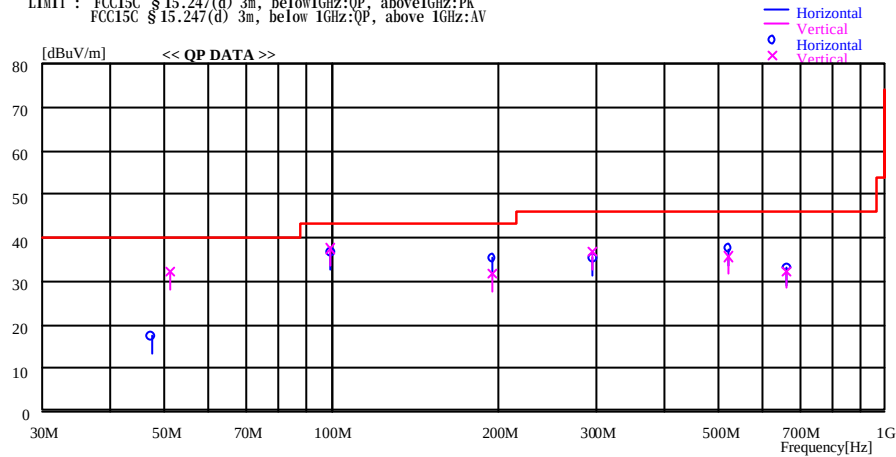
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11b/11Mbps/2437MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna		Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.4	QP	11.4	-20.3	17.5	250	280	Hori.	40.0	22.5
51.220	42.1	QP	10.3	-20.2	32.2	23	100	Vert.	40.0	7.8
99.670	45.4	QP	10.4	-19.2	36.6	0	400	Hori.	43.5	6.9
99.670	46.4	QP	10.4	-19.2	37.6	0	100	Vert.	43.5	5.9
195.090	32.5	QP	17.0	-17.7	31.8	0	100	Vert.	43.5	11.7
195.090	36.1	QP	17.0	-17.7	35.4	0	185	Hori.	43.5	8.1
296.450	31.6	QP	20.3	-16.6	35.3	145	300	Hori.	46.0	10.7
296.450	33.1	QP	20.3	-16.6	36.8	140	230	Vert.	46.0	9.2
520.230	34.1	QP	18.1	-16.4	35.8	354	100	Vert.	46.0	10.2
520.230	35.8	QP	18.1	-16.4	37.5	100	170	Hori.	46.0	8.5
664.080	28.7	QP	20.0	-15.5	33.2	120	263	Hori.	46.0	12.8
664.080	27.9	QP	20.0	-15.5	32.4	37	100	Vert.	46.0	13.6

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

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MF060b(14.06.06)

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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

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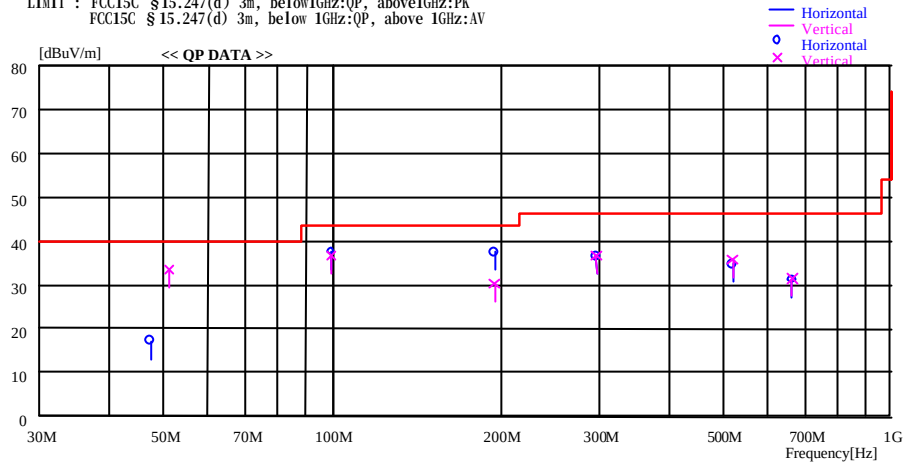
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg. C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11b/11Mbps/2462MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.1	QP	11.4	-20.3	17.2	250	280	Hori.	40.0	22.8
51.220	43.4	QP	10.3	-20.2	33.5	23	100	Vert.	40.0	6.5
99.670	46.4	QP	10.4	-19.2	37.6	0	400	Hori.	43.5	5.9
99.670	45.4	QP	10.4	-19.2	36.6	0	100	Vert.	43.5	6.9
195.090	31.0	QP	17.0	-17.7	30.3	0	100	Vert.	43.5	13.2
195.090	38.1	QP	17.0	-17.7	37.4	0	185	Hori.	43.5	6.1
296.450	32.9	QP	20.3	-16.6	36.6	145	300	Hori.	46.0	9.4
296.450	32.9	QP	20.3	-16.6	36.6	140	230	Vert.	46.0	9.4
520.230	34.1	QP	18.1	-16.4	35.8	354	100	Vert.	46.0	10.2
520.230	32.9	QP	18.1	-16.4	34.6	100	170	Hori.	46.0	11.4
664.080	26.8	QP	20.0	-15.5	31.3	120	263	Hori.	46.0	14.7
664.080	26.9	QP	20.0	-15.5	31.4	37	100	Vert.	46.0	14.6

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

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MF060b(14.06.06)

Test report No. : 26GE0351-HO-A-1
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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

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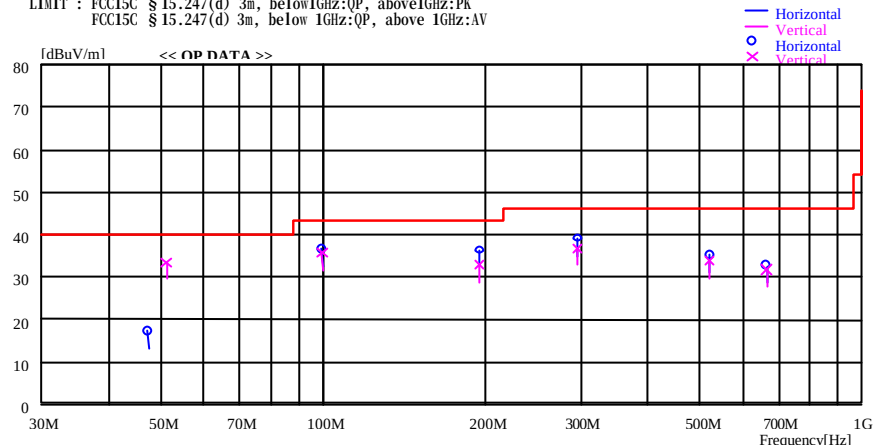
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Uneyama

Mode / Remarks : Receiving 11b/2437MHz/MAX-Axis:X(HOR).Y(VER)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading		Antenna	Loss&		Level	Angle	Height		Limit	Margin
[MHz]	[dBuV]	DET	Factor	Gain		[dBuV/m]	[Deg]	[cm]	Polar.	[dBuV/m]	[dB]
47.400	26.3	QP	11.4	-20.3		17.4	250	290	Hori.	40.0	22.6
51.220	43.4	QP	10.3	-20.2		33.5	23	100	Vert.	40.0	6.5
99.670	45.4	QP	10.4	-19.2		36.6	0	400	Hori.	43.5	6.9
99.670	44.4	QP	10.4	-19.2		35.6	0	100	Vert.	43.5	7.9
195.090	33.5	QP	17.0	-17.7		32.8	0	100	Vert.	43.5	10.7
195.090	37.0	QP	17.0	-17.7		36.3	0	185	Hori.	43.5	7.2
296.450	35.4	QP	20.3	-16.6		39.1	145	300	Hori.	46.0	6.9
296.450	33.1	QP	20.3	-16.6		36.8	140	230	Vert.	46.0	9.2
520.230	32.1	QP	18.1	-16.4		33.8	354	100	Vert.	46.0	12.2
520.230	33.5	QP	18.1	-16.4		35.2	100	170	Hori.	46.0	10.8
664.080	28.1	QP	20.0	-15.5		32.6	120	263	Hori.	46.0	13.4
664.080	27.2	QP	20.0	-15.5		31.7	37	100	Vert.	46.0	14.3

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

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MF060b(14.06.06)

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company

Kind of EUT

Model No.

Serial No.

: silex technology, Inc.

: MiniPCI Wireless LAN Board

: SX-10WAG

: ES0002

Report No.

Power

Temp./Humi.

Operator

: 26GE0351-HO

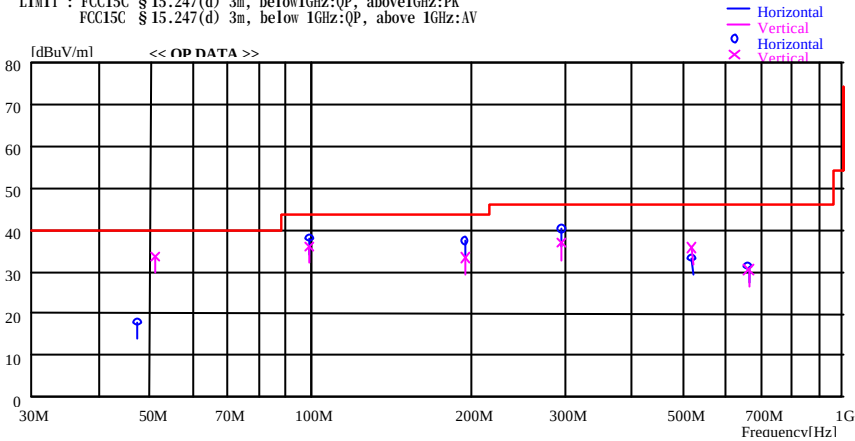
: DC3.3V

: 23deg.C. / 70%

: Hiroka.Umeyama

Mode / Remarks : Transmitting 11g/54Mbps/2412MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP, above1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.9	QP	11.4	-20.3	18.0	250	280	Hori.	40.0	22.0
51.220	43.5	QP	10.3	-20.2	33.6	23	100	Vert.	40.0	6.4
99.670	46.8	QP	10.4	-19.2	38.0	0	400	Hori.	43.5	5.5
99.670	44.9	QP	10.4	-19.2	36.1	0	100	Vert.	43.5	7.4
195.090	34.1	QP	17.0	-17.7	33.4	0	100	Vert.	43.5	10.1
195.090	38.0	QP	17.0	-17.7	37.3	0	185	Hori.	43.5	6.2
296.450	36.5	QP	20.3	-16.6	40.2	145	300	Hori.	46.0	5.8
296.450	33.2	QP	20.3	-16.6	36.9	140	230	Vert.	46.0	9.1
520.230	34.1	QP	18.1	-16.4	35.8	354	100	Vert.	46.0	10.2
520.230	31.5	QP	18.1	-16.4	33.2	100	170	Hori.	46.0	12.8
664.080	26.7	QP	20.0	-15.5	31.2	120	263	Hori.	46.0	14.8
664.080	25.9	QP	20.0	-15.5	30.4	37	100	Vert.	46.0	15.6

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

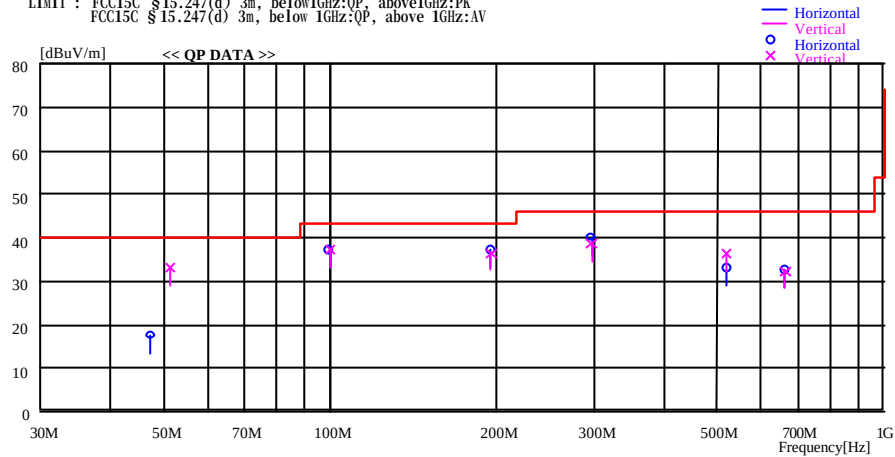
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11g/54Mbps/2437MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna		Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.5	QP	11.4	-20.3	17.6	250	280	Hori.	40.0	22.4
51.220	43.1	QP	10.3	-20.2	33.2	23	100	Vert.	40.0	6.8
99.670	45.9	QP	10.4	-19.2	37.1	0	400	Hori.	43.5	6.4
99.670	46.1	QP	10.4	-19.2	37.3	0	100	Vert.	43.5	6.2
195.090	37.2	QP	17.0	-17.7	36.5	0	100	Vert.	43.5	7.0
195.090	38.0	QP	17.0	-17.7	37.3	0	185	Hori.	43.5	6.2
296.450	36.5	QP	20.3	-16.6	40.2	145	300	Hori.	46.0	5.8
296.450	34.9	QP	20.3	-16.6	38.6	140	230	Vert.	46.0	7.4
520.230	34.7	QP	18.1	-16.4	36.4	354	100	Vert.	46.0	9.6
520.230	31.2	QP	18.1	-16.4	32.9	100	170	Hori.	46.0	13.1
664.080	28.1	QP	20.0	-15.5	32.6	120	263	Hori.	46.0	13.4
664.080	27.9	QP	20.0	-15.5	32.4	37	100	Vert.	46.0	13.6

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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MF060b(14.06.06)

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FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

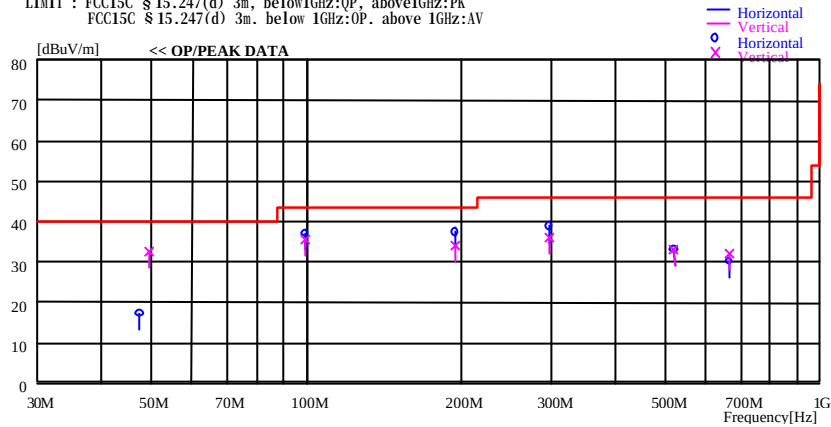
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11g/54Mbps/2462MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:OP, above 1GHz:AV



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.2	QP	11.4	-20.3	17.3	250	280	Hori.	40.0	22.7
49.510	42.3	QP	10.7	-20.2	32.8	23	100	Vert.	40.0	7.2
99.670	45.8	QP	10.4	-19.2	37.0	0	400	Hori.	43.5	6.5
99.670	44.6	QP	10.4	-19.2	35.8	0	100	Vert.	43.5	7.7
195.090	34.8	QP	17.0	-17.7	34.1	0	100	Vert.	43.5	9.4
195.090	38.1	PK	17.0	-17.7	37.4	0	185	Hori.	43.5	6.1
296.450	35.2	QP	20.3	-16.6	38.9	145	300	Hori.	46.0	7.1
296.450	32.2	QP	20.3	-16.6	35.9	140	230	Vert.	46.0	10.1
520.230	31.4	QP	18.1	-16.4	33.1	354	100	Vert.	46.0	12.9
520.230	31.5	QP	18.1	-16.4	33.2	100	170	Hori.	46.0	12.8
664.080	25.8	QP	20.0	-15.5	30.3	120	263	Hori.	46.0	15.7
664.080	27.7	QP	20.0	-15.5	32.2	37	100	Vert.	46.0	13.8

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/05/11 10:53:45

Company : silex technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 23deg.C. / 70%
Serial No. : ES0002 Operator : Hiroka.Umeyama

Mode / Remarks : Receiving 11g/2437MHz/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV

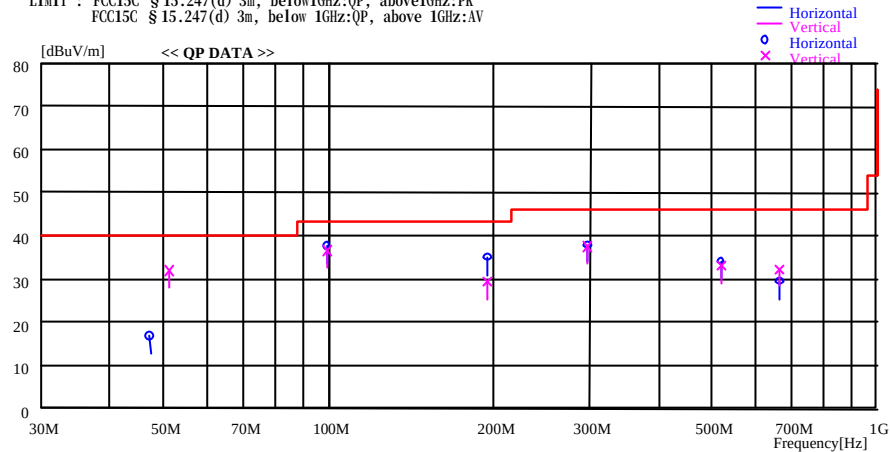


CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

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FCC ID : N6C-SX10WAG

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

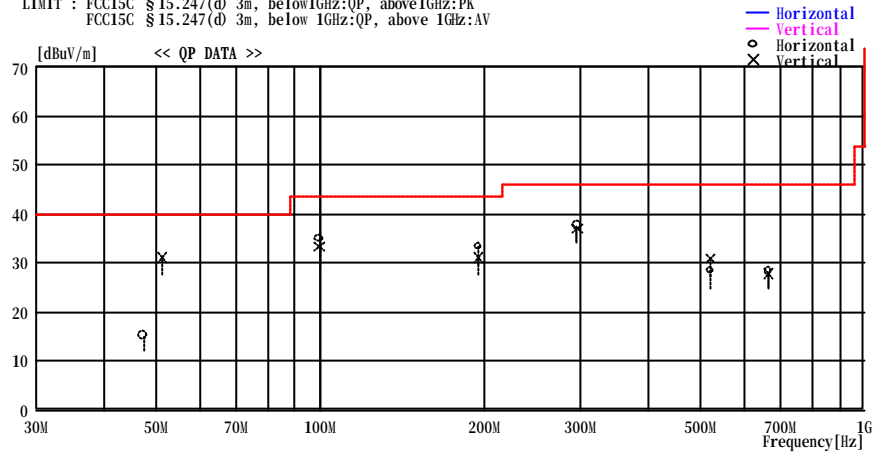
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Silex Technology, Inc. Report No. : 26GE0351-HO
Kind of EUT : MiniPCI Wireless LAN Board Power : DC3.3V
Model No. : SX-10WAG Temp./Humi. : 25deg.C. / 53%
Serial No. : 0080923A9A29 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11a/54Mbps/5825MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna Factor	Loss & Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
47.400	26.3	QP	10.9	-22.0	15.2	250	280	Hori.	40.0	24.8
51.220	43.4	QP	9.8	-22.0	31.2	0	100	Vert.	40.0	8.8
99.670	44.9	QP	9.8	-21.3	33.4	0	100	Vert.	43.5	10.1
99.670	46.5	QP	9.8	-21.3	35.0	0	400	Hori.	43.5	8.5
195.090	35.0	QP	16.5	-20.3	31.2	0	100	Vert.	43.5	12.3
195.090	37.1	QP	16.5	-20.3	33.3	0	185	Hori.	43.5	10.2
296.450	36.5	QP	19.9	-19.2	37.2	230	140	Vert.	46.0	8.8
296.450	37.0	QP	19.9	-19.2	37.7	300	145	Hori.	46.0	8.3
520.230	32.6	QP	18.1	-19.7	31.0	354	100	Vert.	46.0	15.0
520.230	30.0	QP	18.1	-19.7	28.4	100	170	Hori.	46.0	17.6
664.080	26.7	QP	20.1	-19.0	27.8	37	100	Vert.	46.0	18.2
664.080	27.1	QP	20.1	-19.0	28.2	120	263	Hori.	46.0	17.8

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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MF060b(14.06.06)

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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11b / 11Mbps / CH1:2412MHz), ANT:A

REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210
TEST DISTANCE : 3m / 1m
DATE : 05/17/2006
TEMPERATURE : 21deg.C
HUMIDITY : 39%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)												
No.	Freq. [MHz]	Reading HOR VER [dBuV]		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result HOR VER [dBuV/m]		Limit PK [dBuV/m]	Margin HOR VER [dB]	
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2390.0	65.5	63.7	30.5	32.4	2.1	0.0	65.7	63.9	74.0	8.3	10.1
2	4824.0	56.8	56.7	35.3	31.9	3.2	1.4	64.8	64.7	74.0	9.2	9.3
3	7236.0	53.7	55.7	37.7	31.5	3.9	1.2	65.0	67.0	74.0	9.0	7.0
4	9648.0	46.3	47.2	36.6	31.7	4.8	1.0	57.0	57.9	74.0	17.0	16.1
Test distance 1meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
5	12060.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-
6	14472.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-
7	16884.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-
8	19296.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-
9	21708.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-
10	24120.0	47.3	48.3	39.8	30.4	8.0	0.0	55.2	56.2	74.0	18.8	17.8

AV DETECT (RBW: 1MHz, VBW:10Hz)												
No.	Freq. [MHz]	Reading [dBuV]		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result [dBuV/m]		Limit AV [dBuV/m]	Margin [dB]	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2390.0	52.9	52.1	30.5	32.4	2.1	0.0	53.1	52.3	54.0	0.9	1.7
2	4824.0	45.3	45.2	35.3	31.9	3.2	1.4	53.3	53.2	54.0	0.7	0.8
3	7236.0	41.4	42.1	37.7	31.5	3.9	1.2	52.7	53.4	54.0	1.3	0.6
4	9648.0	36.1	37.2	36.6	31.7	4.8	1.0	46.8	47.9	54.0	7.2	6.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
5	12060.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-
6	14472.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-
7	16884.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-
8	19296.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-
9	21708.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-
10	24120.0	34.6	34.9	39.8	30.4	8.0	0.0	42.5	42.8	54.0	11.5	11.2

20dBc(Fundamental 2412MHz)												
(RBW: 100kHz, VBW:300kHz)												
No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Atten. or Filter	RESULT		Limit 20dBc	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters. RESULT T=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	2412.0	110.2	106.3	30.5	32.4	2.1	0.0	110.4	106.5	-	-	-
2	2400.0	79.9	72.4	30.5	32.4	2.1	0.0	80.1	72.6	Funda-20dB	10.3	13.9

*1) Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.

*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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MF060b(14.06.06)

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Radiated Spurious Emission

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11b / 11Mbps / CH6:2437MHz), ANT:A
REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210
TEST DISTANCE : 3m / 1m
DATE : 05/17/2006
TEMPERATURE : 21deg.C
HUMIDITY : 39%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)													
No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit PK [dBuV/m]	Margin		
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	4874.0	59.1	56.8	35.6	31.8	3.2	1.4	67.5	65.2	74.0	6.5	8.8	
2	7311.0	54.5	54.4	37.7	31.6	3.9	1.1	65.6	65.5	74.0	8.4	8.5	
3	9748.0	46.7	47.2	36.5	31.8	4.8	1.1	57.3	57.8	74.0	16.7	16.2	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
4	12185.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-	*)
5	14622.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-	*)
6	17059.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-	*)
7	19496.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-	*)
8	21933.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-	*)
9	24370.0	48.6	47.7	39.8	30.4	6.1	0.0	54.6	53.7	74.0	19.4	20.3	*)

AV DETECT (RBW: 1MHz, VBW:10Hz)													
No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin		
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]	
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	4874.0	44.9	43.4	35.6	31.8	3.2	1.4	53.3	51.8	54.0	0.7	2.2	
2	7311.0	42.0	42.1	37.7	31.6	3.9	1.1	53.1	53.2	54.0	0.9	0.8	
3	9748.0	35.4	35.2	36.5	31.8	4.8	1.1	46.0	45.8	54.0	8.0	8.2	
Test distance 1meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
4	12185.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-	*)
5	14622.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-	*)
6	17059.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-	*)
7	19496.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-	*)
8	21933.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-	*)
9	24370.0	35.7	35.7	39.8	30.6	8.0	0.0	43.4	43.4	54.0	10.6	10.6	*)

- *1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0)$ = 9.54 dB
*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.
*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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MF060b(14.06.06)

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Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

UL Apex Co., Ltd.

Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.

EQUIPMENT : MiniPCI Wireless LAN Board

MODEL : SX-10WAG

SAMPLENO. : ES0002

POWER : DC3.3V

MODE : Transmitting (11b / 11Mbps / CH11:2462MHz), ANT:A

REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210

TEST DISTANCE : 3m / 1m

DATE : 05/17/2006

TEMPERATURE : 21deg.C

HUMIDITY : 39%

ENGINEER : Hiroka Umeyama

PK DETECT

(RBW: 1MHz, VBW:1MHz)

No.	Freq. [MHz]	Reading [dBuV]		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result [dBuV/m]		Limit PK [dBuV/m]	Margin [dB]		
		HOR	VER					HOR	VER		HOR	VER	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	2483.5	65.8	61.4	30.3	32.4	2.2	0.0	65.9	61.5	74.0	8.1	12.5	
2	4924.0	61.2	62.5	35.6	31.8	3.2	1.4	69.6	70.9	74.0	4.4	3.1	
3	7386.0	52.1	53.2	37.8	31.8	3.9	1.1	63.1	64.2	74.0	10.9	9.8	
4	9848.0	42.9	45.1	36.4	31.9	4.9	1.2	53.5	55.7	74.0	20.5	18.3	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
5	12310.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-	
6	14772.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-	
7	17234.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-	
8	19696.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-	
9	22158.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-	
10	24620.0	48.2	49.2	39.8	30.4	8.0	0.0	56.1	57.1	74.0	17.9	16.9	

AV DETECT

(RBW: 1MHz, VBW:10Hz)

No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin		
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	2483.5	53.2	52.9	30.3	32.4	2.2	0.0	53.3	53.0	54.0	0.7	1.0	
2	4924.0	44.0	44.8	35.6	31.8	3.2	1.4	52.4	53.2	54.0	1.6	0.8	
3	7386.0	42.0	42.1	37.8	31.8	3.9	1.1	53.0	53.1	54.0	1.0	0.9	
4	9848.0	32.9	37.2	36.4	31.9	4.9	1.2	43.5	47.8	54.0	10.5	6.2	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
5	12310.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-	
6	14772.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-	
7	17234.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-	
8	19696.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-	
9	22158.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-	
10	24620.0	35.6	35.7	39.8	30.4	8.0	0.0	43.5	43.6	54.0	10.5	10.4	

*1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) =$

9.54 dB

*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.

*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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Radiated Spurious Emission

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc. REGULATION : Fcc Part15 Subpart B / RSS-210 / RSS-Gen
EQUIPMENT : MiniPCI Wireless LAN Board TEST DISTANCE : 3m / 1m
MODEL : SX-10WAG DATE : 05/17/2006
SAMPLE NO. : ES0002 TEMPERATURE : 21deg.C
POWER : DC3.3V HUMIDITY : 39%
MODE : Receiving (11b / 11Mbps / CH6:2437MHz), ANT:A ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)												
No.	Freq. [MHz]	Reading HOR VER [dBuV]		Ant. Factor [dBm]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result HOR VER [dBuV/m]		Limit PK [dBuV/m]	Margin HOR VER [dB]	
		Test distance 3meters RESULT = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)										
1	3215.9	55.4	52.6	31.6	32.1	2.5	0.0	57.4	54.6	74.0	16.6	19.4
Test distance 1meters RESULT = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
2	24370.0	48.6	47.7	39.8	30.4	6.1	0.0	54.6	53.7	74.0	19.4	20.3

AV DETECT (RBW: 1MHz, VBW:10Hz)												
No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit AV	Margin	
		HOR	VER					HOR	VER		HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters. RESULT = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3215.9	50.9	49.1	31.6	32.1	2.5	0.0	52.9	51.1	54.0	1.1	2.9
Test distance 1meters. RESULT = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
2	24370.0	35.7	35.7	39.8	30.6	8.0	0.0	43.4	43.4	54.0	10.6	10.6

*1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB

*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.

*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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MF060b(14.06.06)

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Radiated Spurious Emission

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11g / 54Mbps / CH1:2412MHz), ANT:A

REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210
TEST DISTANCE : 3m / 1m
DATE : 05/17/2006
TEMPERATURE : 21deg.C
HUMIDITY : 39%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)

No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit PK [dBuV/m]	Margin	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2390.0	65.8	67.9	30.5	32.4	2.1	0.0	66.0	68.1	74.0	8.0	5.9
2	4824.0	59.1	59.2	35.3	31.9	3.2	1.4	67.1	67.2	74.0	6.9	6.8
3	7236.0	52.0	44.4	37.7	31.5	3.9	1.2	63.3	55.7	74.0	10.7	18.3
4	9648.0	45.4	50.6	36.6	31.7	4.8	1.0	56.1	61.3	74.0	17.9	12.7
Test distance 1meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
5	12060.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-
6	14472.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-
7	16884.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-
8	19296.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-
9	21708.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-
10	24120.0	48.8	48.6	39.8	30.4	8.0	0.0	56.7	56.5	74.0	17.3	17.5

AVDETECT (RBW: 1MHz, VBW:10Hz)

No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2390.0	50.6	52.0	30.5	32.4	2.1	0.0	50.8	52.2	54.0	3.2	1.8
2	4824.0	45.4	45.4	35.3	31.9	3.2	1.4	53.4	53.4	54.0	0.6	0.6
3	7236.0	36.2	35.4	37.7	31.5	3.9	1.2	47.5	46.7	54.0	6.5	7.3
4	9648.0	32.2	32.2	36.6	31.7	4.8	1.0	42.9	42.9	54.0	11.1	11.1
Test distance 1meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
5	12060.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-
6	14472.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-
7	16884.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-
8	19296.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-
9	21708.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-
10	24120.0	34.9	35.1	39.8	30.4	8.0	0.0	42.8	43.0	54.0	11.2	11.0

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW:300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Atten. or Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	2412.0	99.7	99.4	30.5	32.4	2.1	0.0	99.9	99.6	-	-	-
2	2400.0	71.7	71.9	30.5	32.4	2.1	0.0	71.9	72.1	Funda-20dB	8.0	7.5

- *1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB
*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.
*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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Radiated Spurious Emission

UL Apex Co., Ltd.

Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11g / 54Mbps / CH6:2437MHz), ANT:A

REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210
TEST DISTANCE : 3m / 1m
DATE : 05/17/2006
TEMPERATURE : 21deg.C
HUMIDITY : 39%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW:1MHz, VBW:1MHz)												
No.	Freq. [MHz]	Reading		Ant. Factor [dBm]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit PK [dBuV/m]	Margin	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	4874.0	55.0	59.0	35.6	31.8	3.2	1.4	63.4	67.4	74.0	10.6	6.6
2	7311.0	56.5	51.3	37.7	31.6	3.9	1.1	67.6	62.4	74.0	6.4	11.6
3	9748.0	45.8	45.2	36.5	31.8	4.8	1.1	56.4	55.8	74.0	17.6	18.2
Test distance 1meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
4	12185.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-
5	14622.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-
6	17059.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-
7	19496.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-
8	21933.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-
9	24370.0	49.2	49.8	39.8	30.4	6.1	0.0	55.2	55.8	74.0	18.8	18.2

AV DETECT (RBW: 1MHz, VBW:10Hz)													
No.	Freq. [MHz]	Reading		Ant. Factor [dBm]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin		
		HOR	VER					HOR	VER		HOR	VER	
Test distance 3meters. RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	4874.0	44.4	44.9	35.6	31.8	3.2	1.4	52.8	53.3	54.0	1.2	0.7	
2	7311.0	41.8	38.7	37.7	31.6	3.9	1.1	52.9	49.8	54.0	1.1	4.2	
3	9748.0	32.5	31.9	36.5	31.8	4.8	1.1	43.1	42.5	54.0	10.9	11.5	
Test distance 1meters. RESULT=T-Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
4	12185.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-	*)
5	14622.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-	*)
6	17059.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-	*)
7	19496.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-	*)
8	21933.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-	*)
9	24370.0	35.8	35.6	39.8	30.6	8.0	0.0	43.5	43.3	54.0	10.5	10.7	*)

*1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0)$ = 9.54 dB
*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.
*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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Radiated Spurious Emission

UL Apex Co., Ltd.

Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11g / 54Mbps / CH11:2462MHz), ANT:A

REGULATION : Fcc Part15 Subpart C 15.247 (d) / RSS-210
TEST DISTANCE : 3m / 1m
DATE : 05/17/2006
TEMPERATURE : 21deg.C
HUMIDITY : 39%
ENGINEER : Hiroka Umeyama

PK DETECT

(RBW: 1MHz, VBW:1MHz)

No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit PK [dBuV/m]	Margin		
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	2483.5	69.5	71.3	30.3	32.4	2.2	0.0	69.6	71.4	74.0	4.4	2.6	
2	4924.0	54.4	60.1	35.6	31.8	3.2	1.4	62.8	68.5	74.0	11.2	5.5	
3	7386.0	51.2	51.3	37.8	31.8	3.9	1.1	62.2	62.3	74.0	11.8	11.7	
4	9848.0	44.8	44.5	36.4	31.9	4.9	1.2	55.4	55.1	74.0	18.6	18.9	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
5	12310.0	-	-	40.2	36.1	9.4	1.7	-	-	74.0	-	-	*)5
6	14772.0	-	-	42.7	34.7	10.6	0.8	-	-	74.0	-	-	*)5
7	17234.0	-	-	45.9	35.2	11.9	1.2	-	-	74.0	-	-	*)5
8	19696.0	-	-	39.0	29.9	6.1	0.0	-	-	74.0	-	-	*)5
9	22158.0	-	-	39.4	30.4	6.8	0.0	-	-	74.0	-	-	*)5
10	24620.0	44.3	48.4	39.8	30.4	8.0	0.0	52.2	56.3	74.0	21.8	17.7	*)5

AV DETECT

(RBW: 1MHz, VBW:10Hz)

No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin		
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)													
1	2483.5	51.9	53.3	30.3	32.4	2.2	0.0	52.0	53.4	54.0	2.0	0.6	
2	4924.0	39.7	44.8	35.6	31.8	3.2	1.4	48.1	53.2	54.0	5.9	0.8	
3	7386.0	35.1	38.5	37.8	31.8	3.9	1.1	46.1	49.5	54.0	7.9	4.5	
4	9848.0	32.4	31.9	36.4	31.9	4.9	1.2	43.0	42.5	54.0	11.0	11.5	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac													
5	12310.0	-	-	40.2	36.1	9.4	1.7	-	-	54.0	-	-	*5)
6	14772.0	-	-	42.7	34.7	10.6	0.8	-	-	54.0	-	-	*5)
7	17234.0	-	-	45.9	35.2	11.9	1.2	-	-	54.0	-	-	*5)
8	19696.0	-	-	39.0	29.9	6.1	0.0	-	-	54.0	-	-	*5)
9	22158.0	-	-	39.4	30.4	6.8	0.0	-	-	54.0	-	-	*5)
10	24620.0	34.9	34.9	39.8	30.4	8.0	0.0	42.8	42.8	54.0	11.2	11.2	*5)

*1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) =$

9.54 dB

*2) Except for the above table : All other spurious emissions were less than 20dB for the limit.

*3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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MF060b(14.06.06)

Test report No. : 26GE0351-HO-A-1
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Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

UL Apex Co., Ltd.

Head Office EMC Lab. No.4 Semi Anechoic Chamber

COMPANY : silex technology, Inc. EQUIPMENT : MiniPCI Wireless LAN Board MODEL : SX-10WAG SAMPLE NO. : ES0002 POWER : DC3.3V MODE : Receivng (11g / 54Mbps / CH6:2437MHz), ANT:A	REGULATION : Fcc Part15 Subpart B / RSS-210 / RSS-Gen TEST DISTANCE : 3m / 1m DATE : 05/17/2006 TEMPERATURE : 21deg.C HUMIDITY : 39% ENGINEER : Hiroka Umeyama
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PK DETECT (RBW: 1MHz, VBW: 1MHz)												
No.	Freq. [MHz]	Reading HOR VER [dBuV]		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result HOR VER [dBuV/m]		Limit PK [dBuV/m]	Margin HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2001.6	51.9	56.2	31.4	32.3	1.9	0.0	52.9	57.2	74.0	21.1	16.8
2	3215.9	55.4	52.6	31.6	32.1	2.5	0.0	57.4	54.6	74.0	16.6	19.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	24370.0	49.2	49.8	39.8	30.4	6.1	0.0	55.2	55.8	74.0	18.8	18.2

AV DETECT (RBW: 1MHz ,VBW:10Hz)												
No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit AV	Margin	
		HOR	VER					HOR	VER		HOR	VER
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]		[dBuV/m]	[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	2001.6	34.5	35.5	31.6	32.1	2.5	0.0	36.5	37.5	54.0	17.5	16.5
2	3215.9	50.9	49.1	31.6	32.1	2.5	0.0	52.9	51.1	54.0	1.1	2.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	24370.0	35.8	35.6	39.8	30.6	8.0	0.0	43.5	43.3	54.0	10.5	10.7

- *1) Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB
- *2) Except for the above table : All other spurious emissions were less than 20dB for the limit.
- *3) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
- *4) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
- *5) In the frequency over the fourth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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Test report No. : 26GE0351-HO-A-1
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Issued date : June 8, 2006
Revised date : July 8, 2006
FCC ID : N6C-SX10WAG

Radiated Spurious Emission

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 and 4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.	REGULATION : Fcc Part15 Subpart C 15.247(d) / RSS-210
EQUIPMENT : MiniPCI Wireless LAN Board	TEST DISTANCE : 3/1/0.5m
MODEL : SX-10WAG	DATE : 07/08/2006
SAMPLE NO. : 0080923A9A29	TEMPERATURE : 25deg.C
POWER : DC3.3V	HUMIDITY : 53%
MODE : Transmitting (11a / 54Mbps / CH165: 5825MHz)	ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)												
No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit PK [dBuV/m]	Margin	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
1	3383.2	45.9	47.5	35.1	32.0	4.1	0.0	53.1	54.7	74.0	20.9	19.3
2	5412.0	40.0	40.0	37.7	31.8	5.0	0.0	50.9	50.9	74.0	23.1	23.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11650.0	51.1	51.0	46.5	31.2	7.7	0.1	64.7	64.6	74.0	9.3	9.4
4	17460.0	41.0	41.1	48.4	31.1	10.0	0.0	58.8	58.9	74.0	15.2	15.1
5	23300.0	44.0	44.1	39.5	30.5	11.2	0.0	54.7	54.8	74.0	19.3	19.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
6	29125.0	39.6	39.7	44.5	24.4	12.3	0.0	56.4	56.5	74.0	17.6	17.5
7	34950.0	46.2	46.3	44.1	24.3	13.6	0.0	64.0	64.1	74.0	10.0	9.9

AV DETECT (RBW: 1MHz, VBW:10Hz)												
No.	Freq. [MHz]	Reading		Ant. Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	Atten. or Filter [dB]	Result		Limit AV [dBuV/m]	Margin	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
1	3383.2	45.5	45.6	35.1	32.0	4.1	0.0	52.7	52.8	54.0	1.3	1.2
2	5412.0	29.6	29.5	37.7	31.8	5.0	0.0	40.5	40.4	54.0	13.5	13.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11650.0	39.5	39.6	46.5	31.2	7.7	0.1	53.1	53.2	54.0	0.9	0.8
4	17460.0	31.8	31.5	48.4	31.1	10.0	0.0	49.6	49.3	54.0	4.4	4.7
5	23300.0	32.0	32.1	39.5	30.5	11.2	0.0	42.7	42.8	54.0	11.3	11.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
6	29125.0	26.2	26.4	44.5	24.4	12.3	0.0	43.0	43.2	54.0	11.0	10.8
7	34950.0	33.1	33.2	44.1	24.3	13.6	0.0	50.9	51.0	54.0	3.1	3.0

- *1) Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB
*2) Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.56 dB
*3) Except for the above table : All other spurious emissions were less than 20dB for the limit.
*4) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*5) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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Head Office EMC Lab.

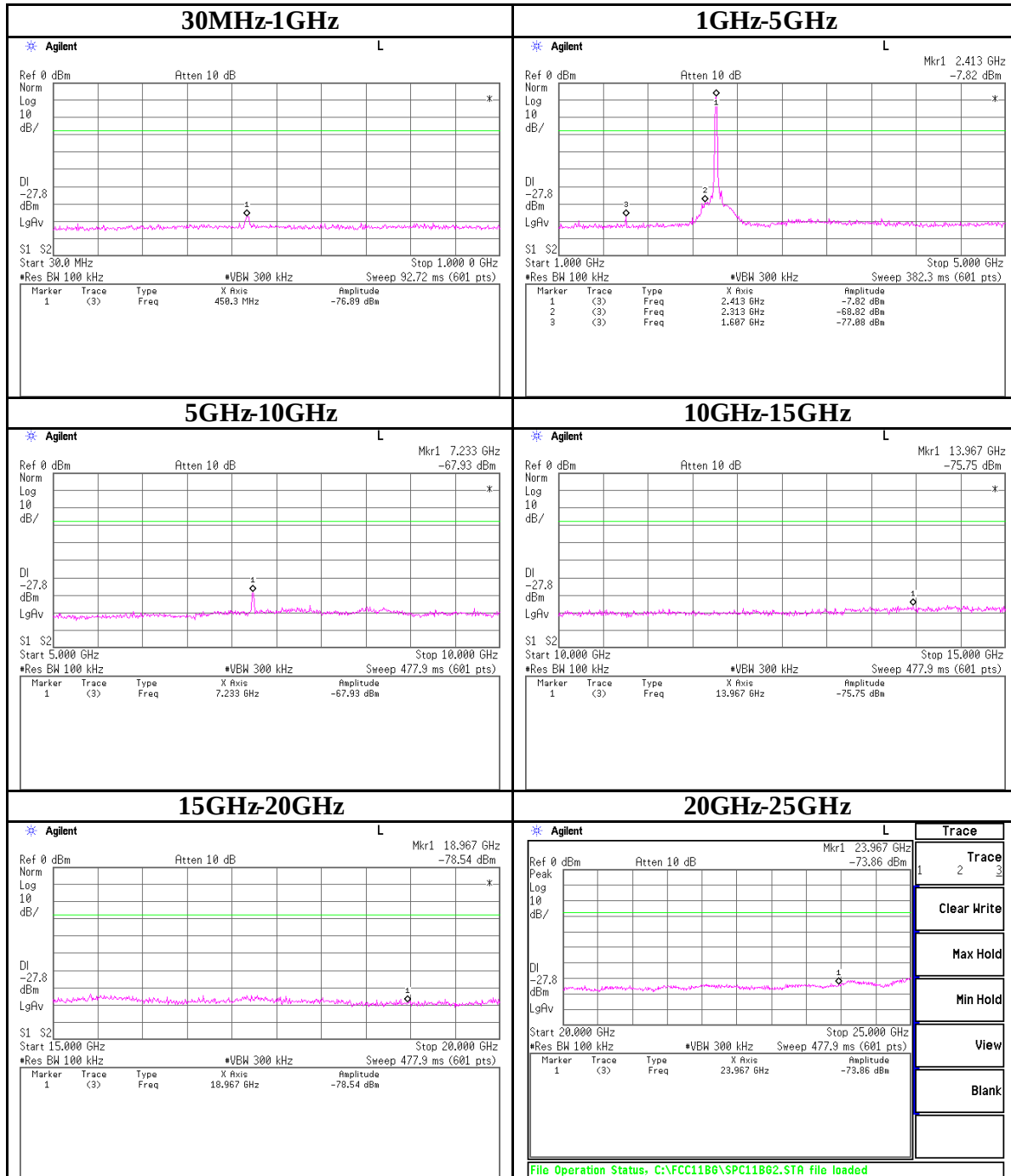
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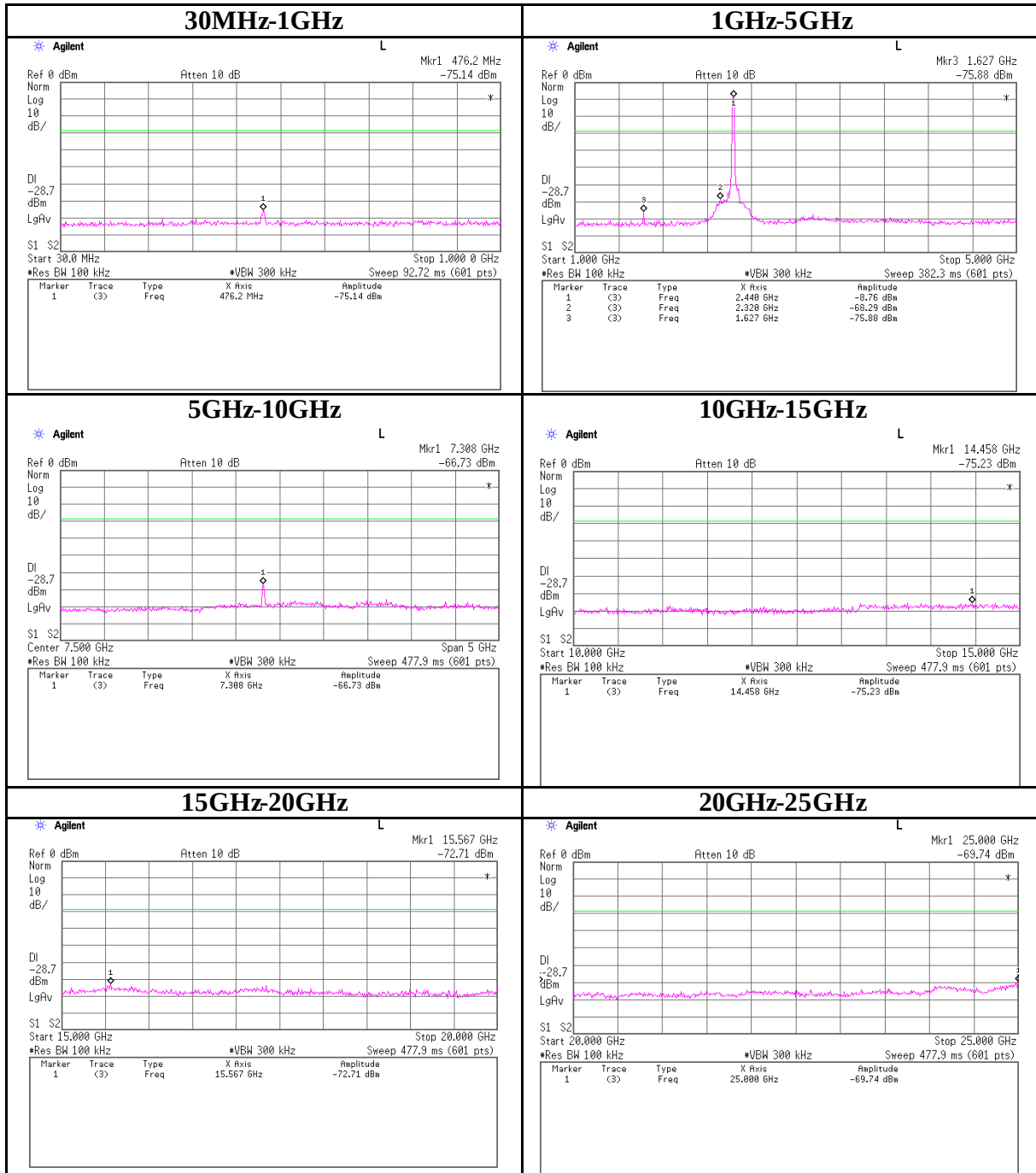
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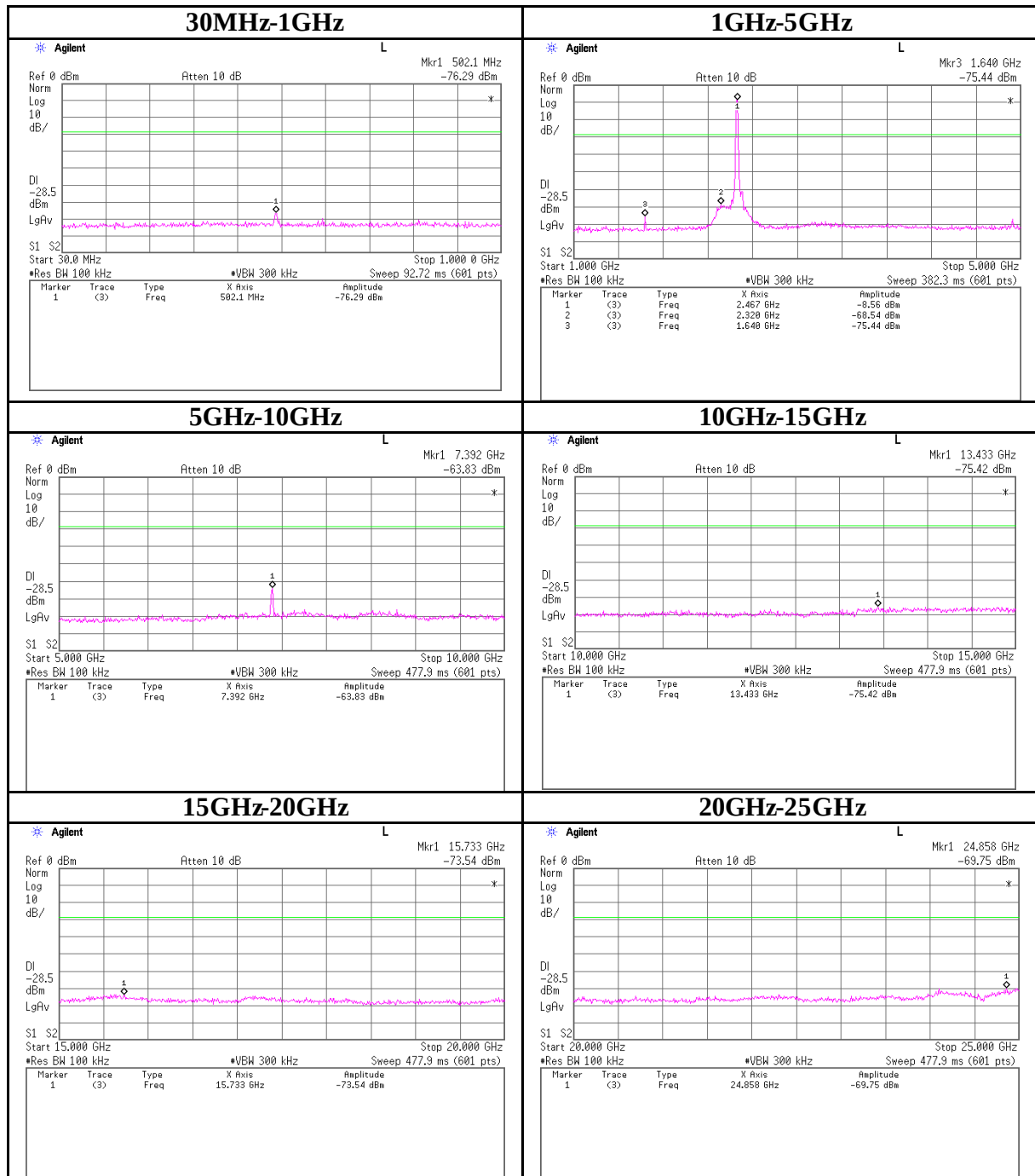
Conducted Spurious Emission
(IEEE802.11b 11Mbps Antenna:B Ch : Low)



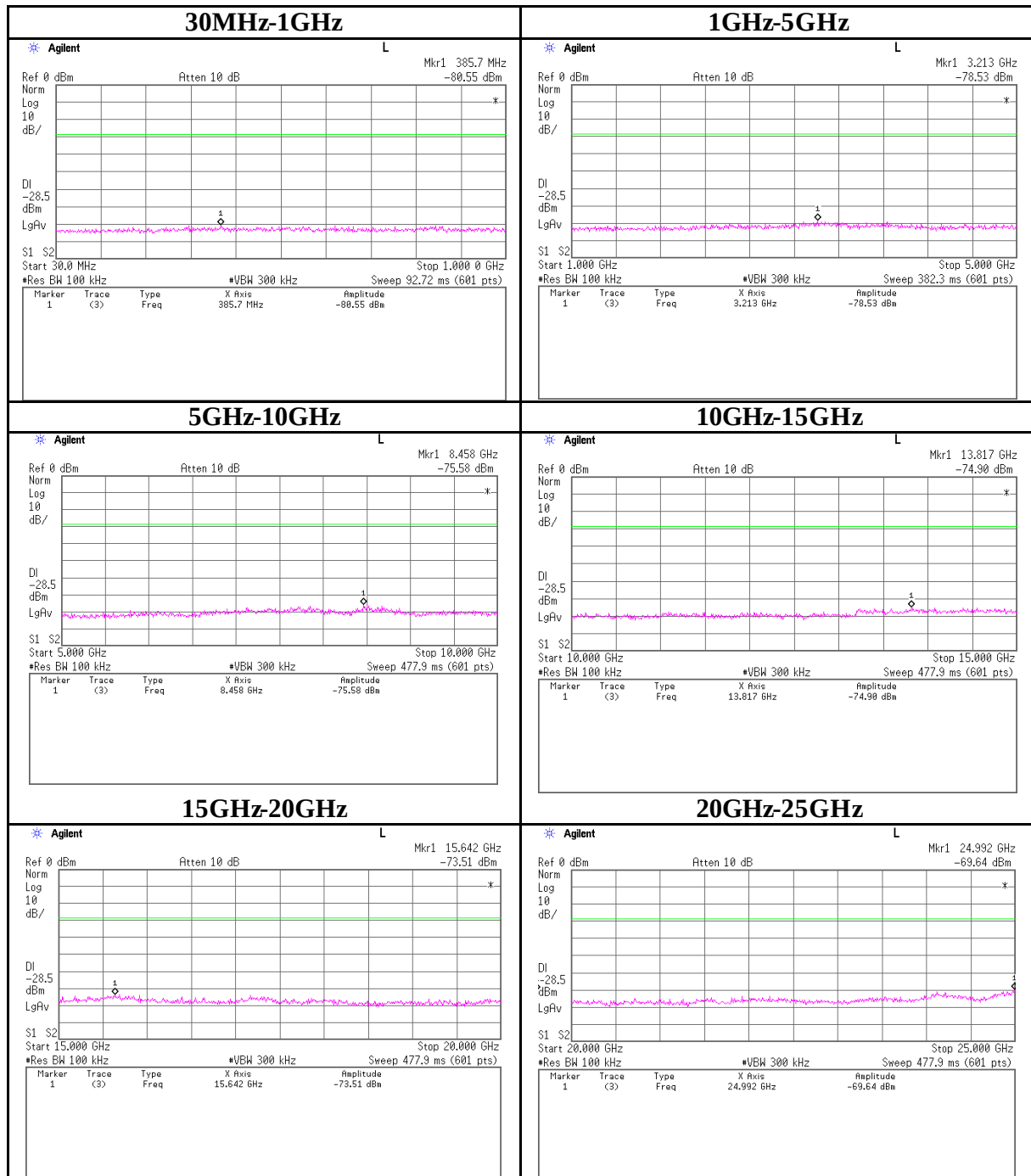
Conducted Spurious Emission
(IEEE802.11b 11Mbps Antenna:B Ch: Mid)



Conducted Spurious Emission **(IEEE802.11b 11Mbps Antenna:B Ch: High)**

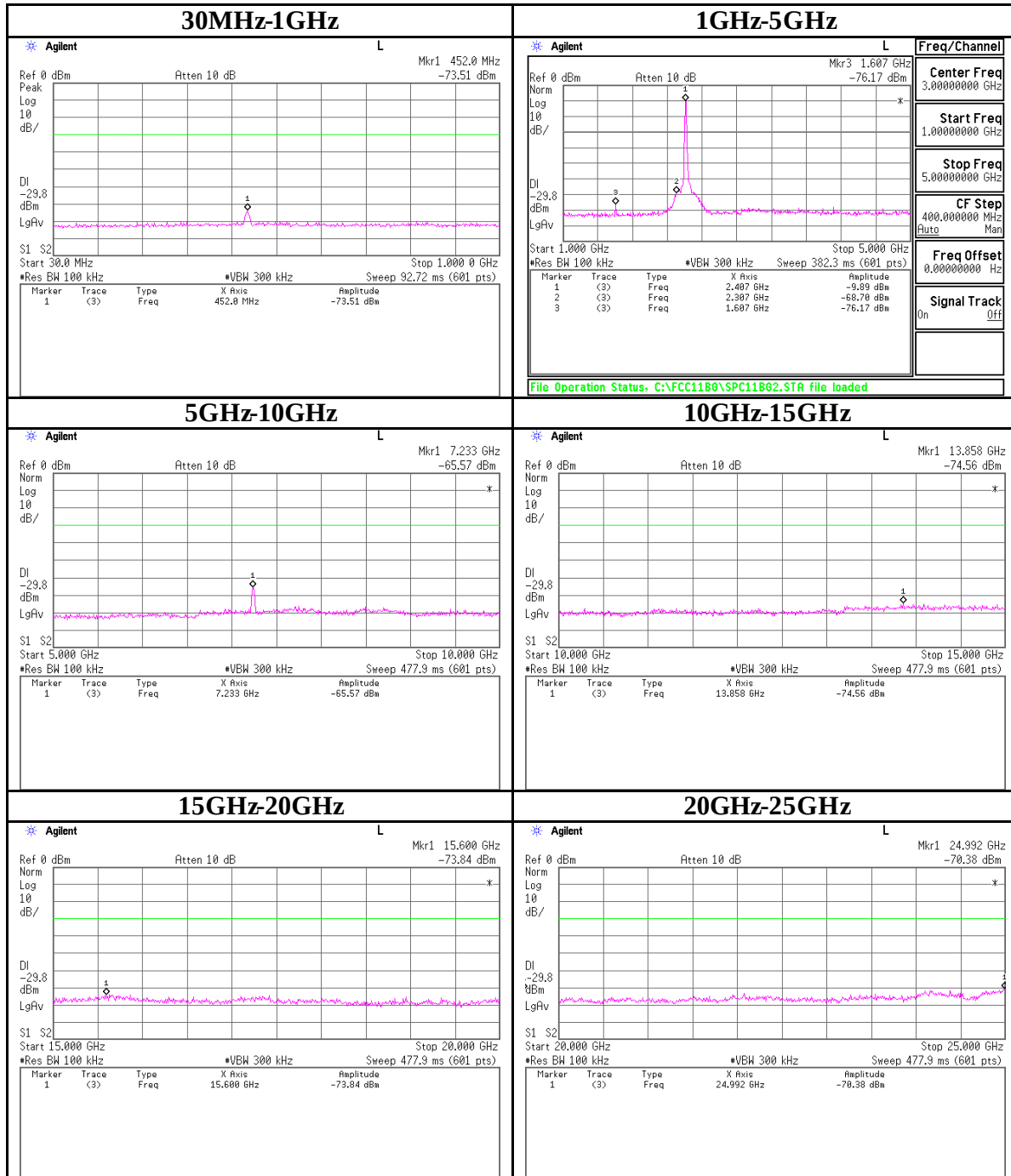


Conducted Spurious Emission
(Rx, IEEE802.11b 11Mbps Antenna:B)



Conducted Spurious Emission

(IEEE802.11g 54Mbps Antenna:B Ch : Low)



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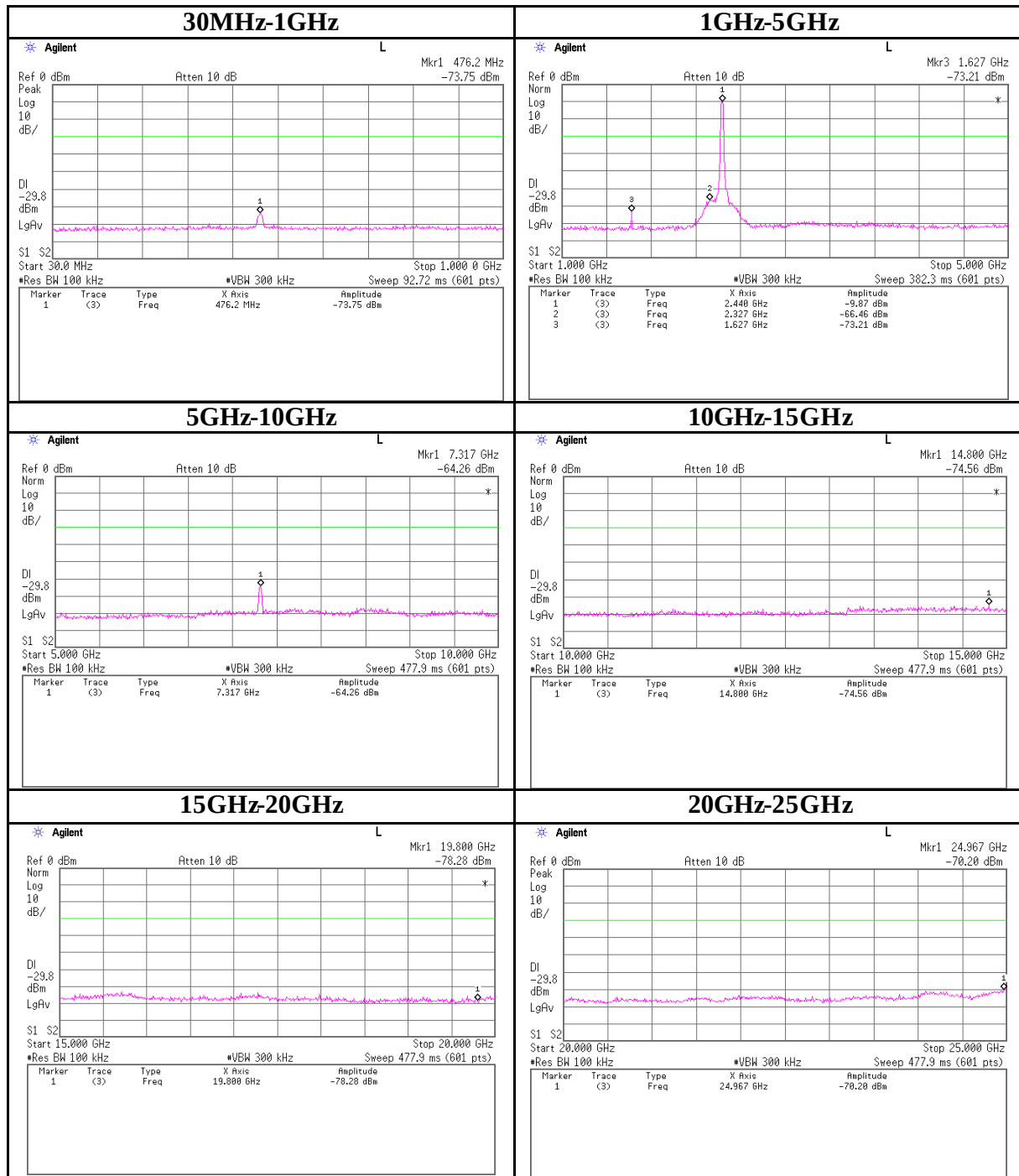
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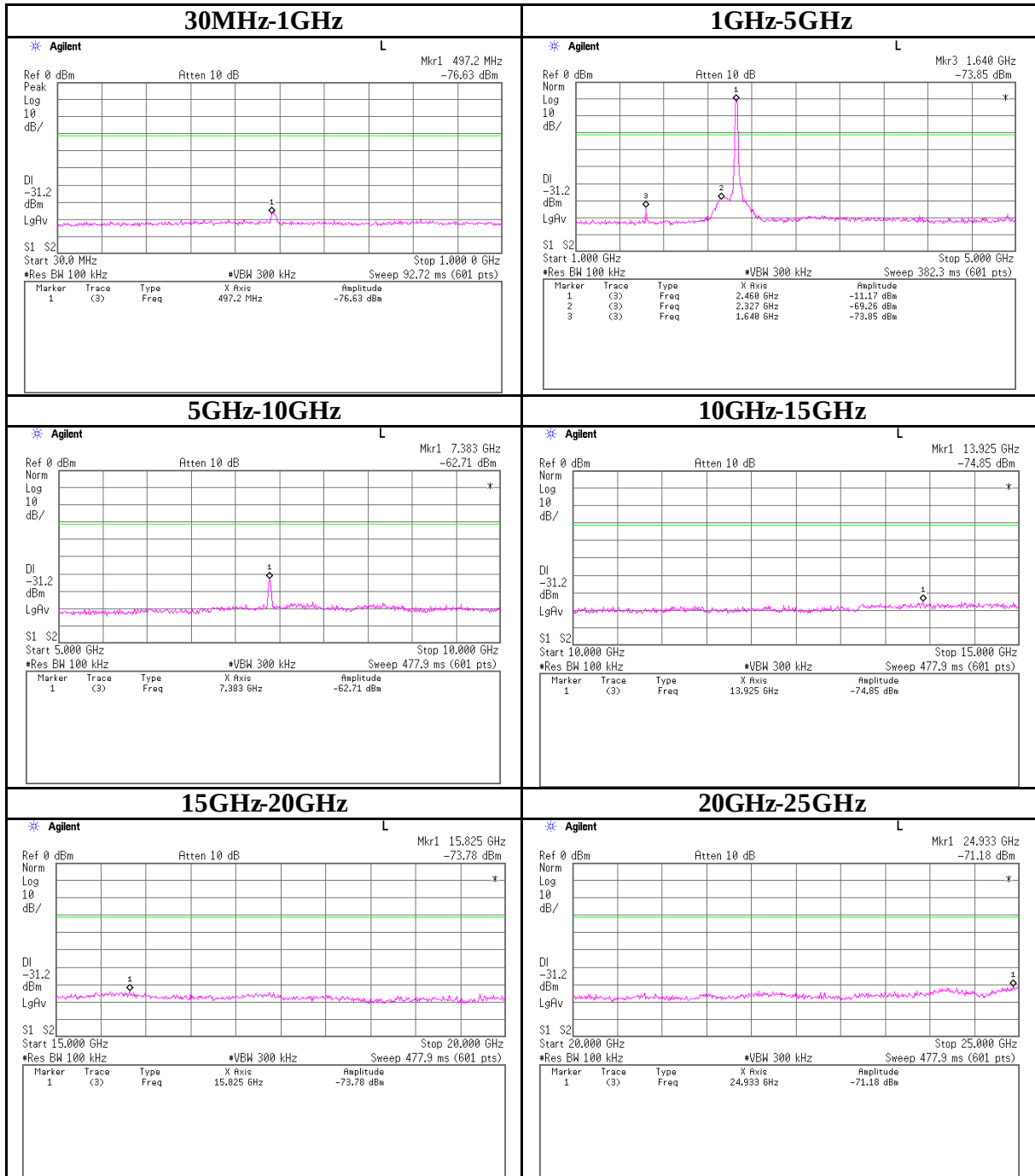
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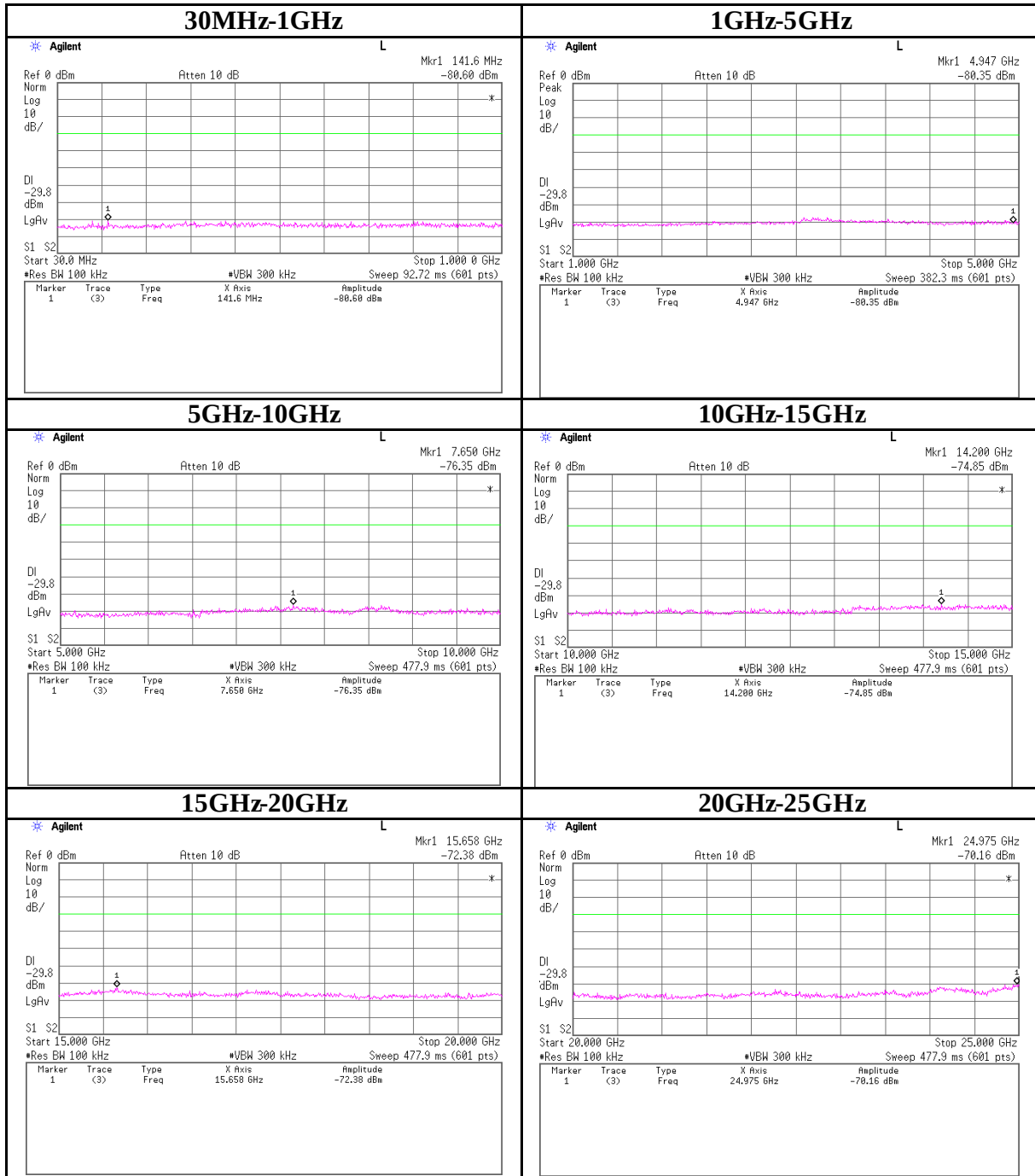
Conducted Spurious Emission
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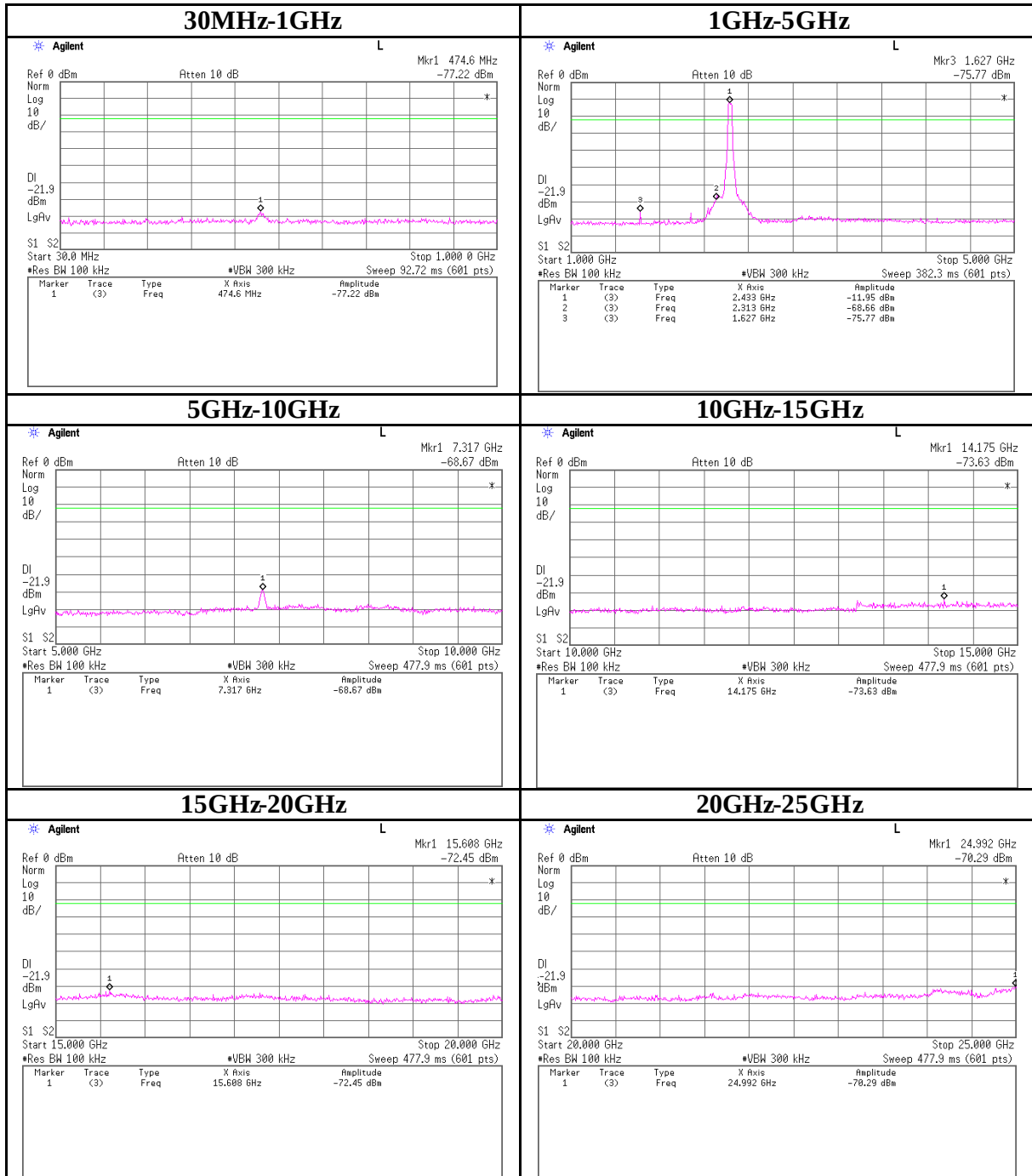
Conducted Spurious Emission
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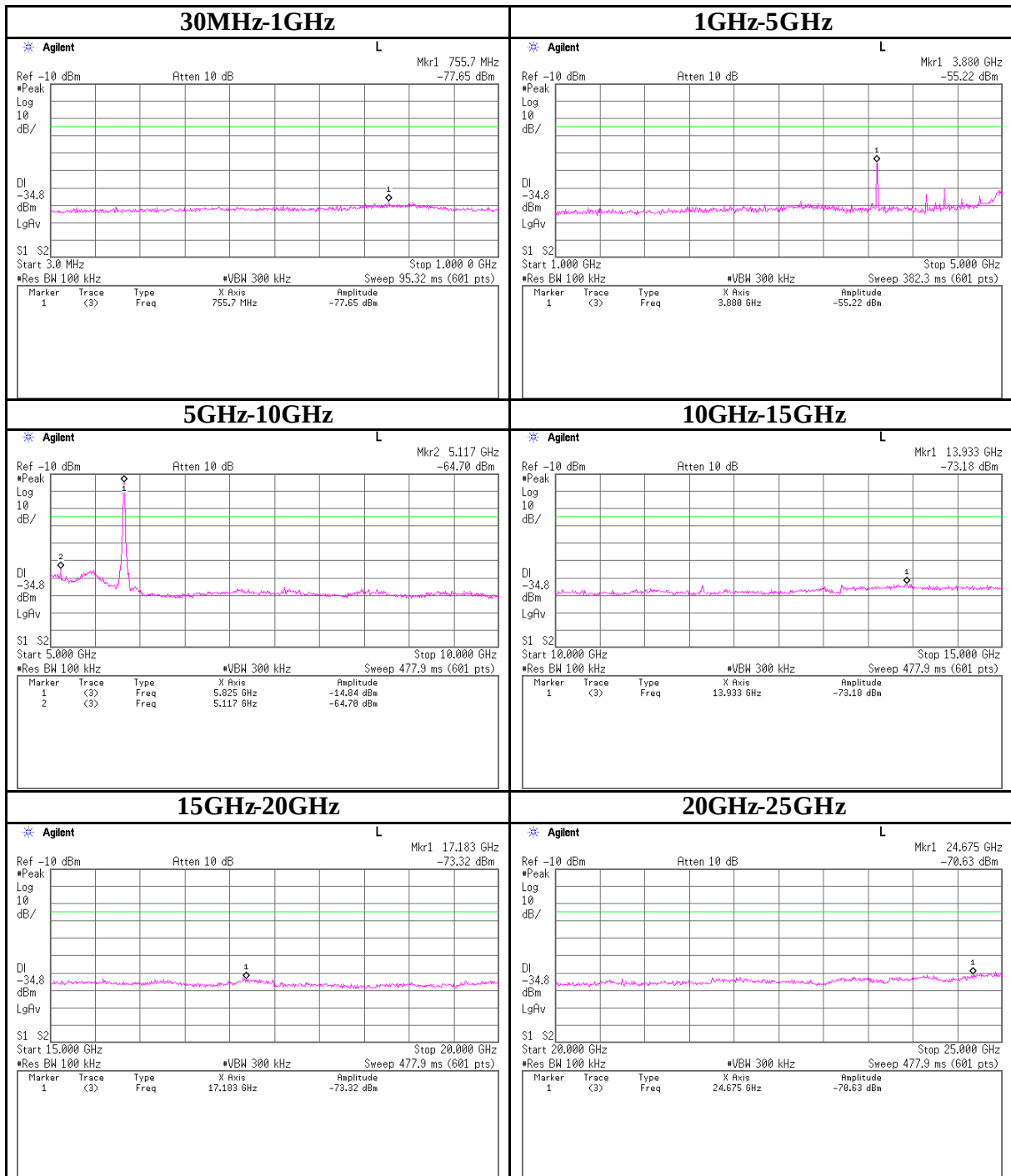
Conducted Spurious Emission
(Rx, IEEE802.11g 54Mbps Antenna: B)



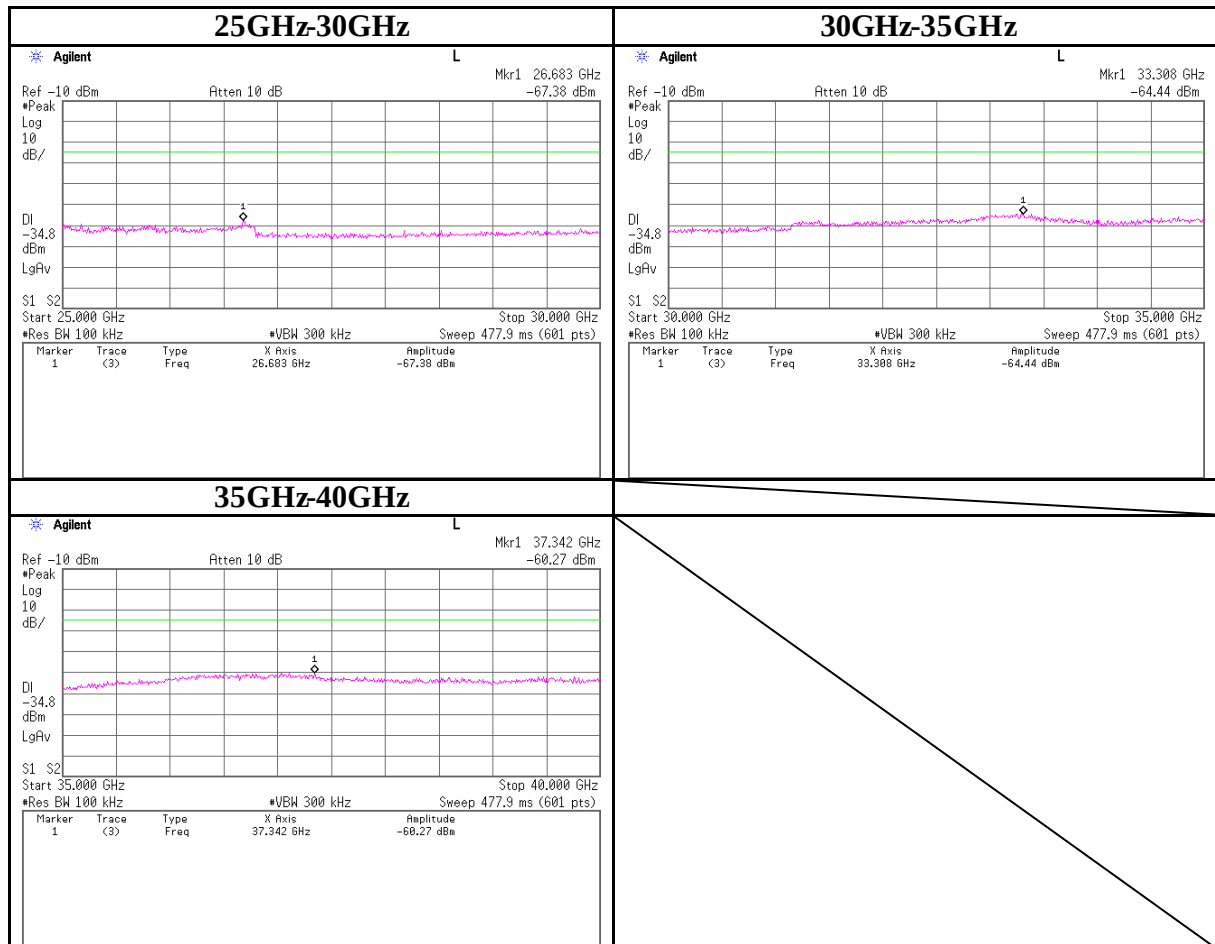
Conducted Spurious Emission
(IEEE802.11g Turbo Mode 108Mbps Antenna:B)



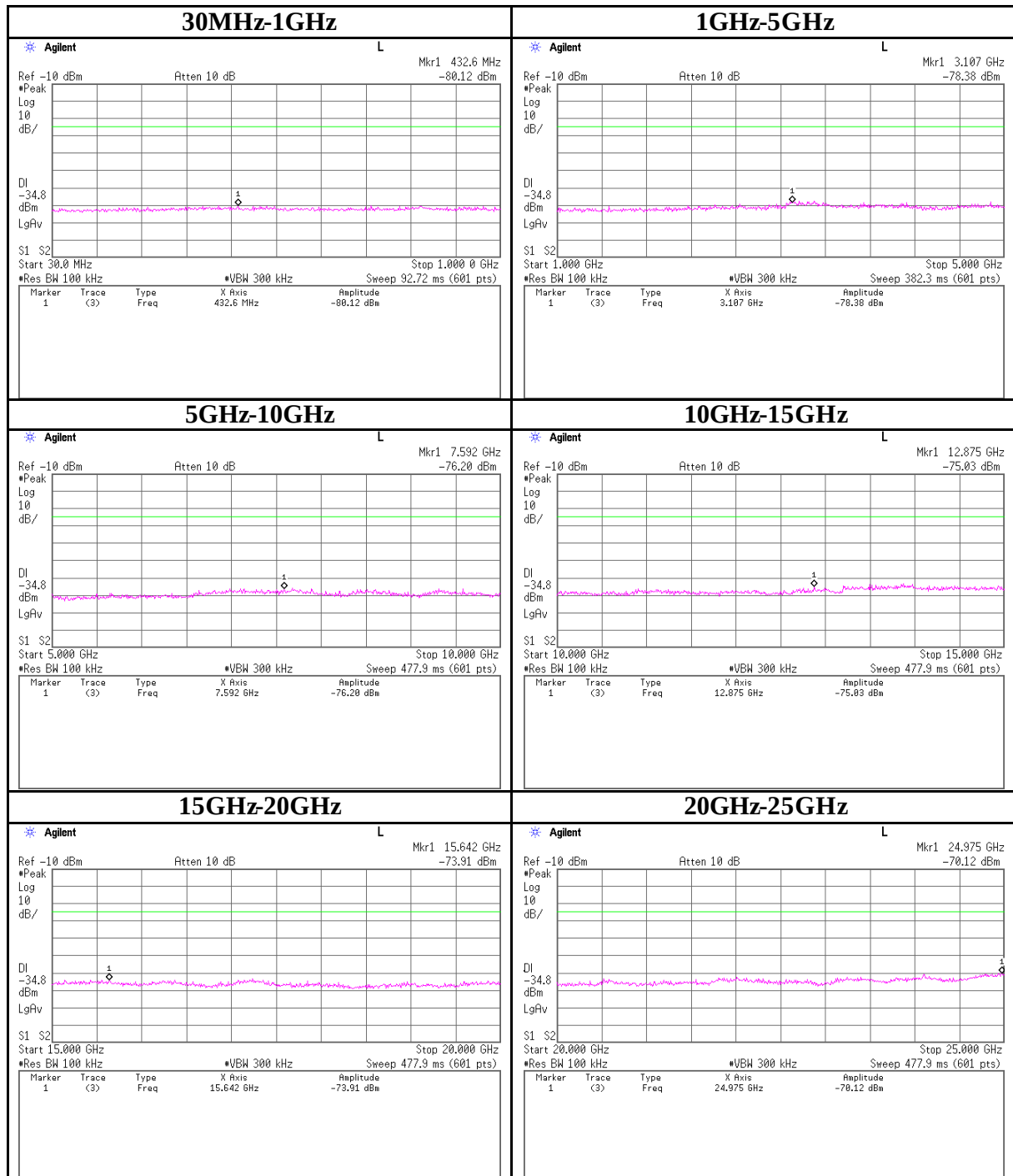
Conducted Spurious Emission
(IEEE802.11a 54Mbps Antenna:A)



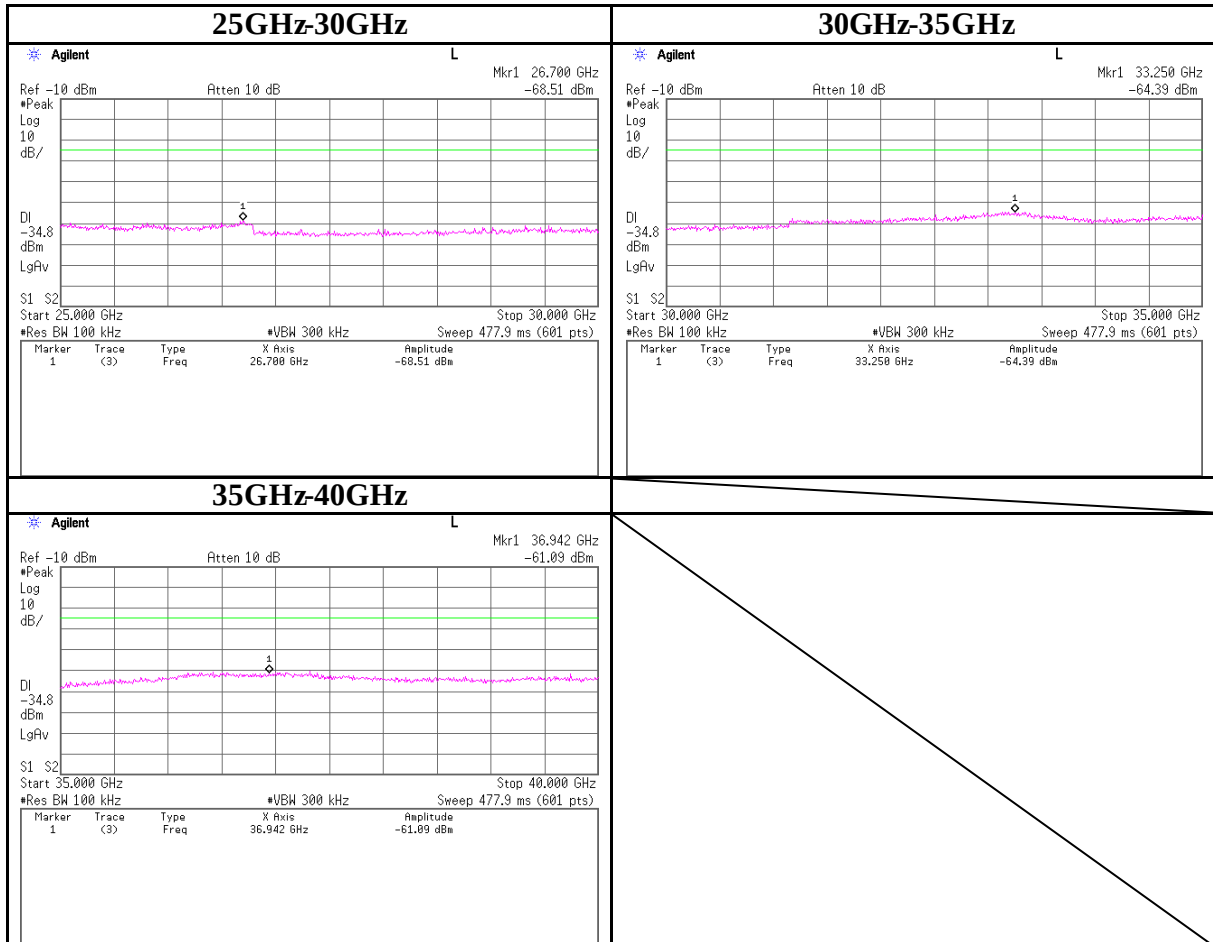
Conducted Spurious Emission
(IEEE802.11a 54Mbps Antenna:A)



Conducted Spurious Emission
(Rx, IEEE802.11a 54Mbps Antenna: A)

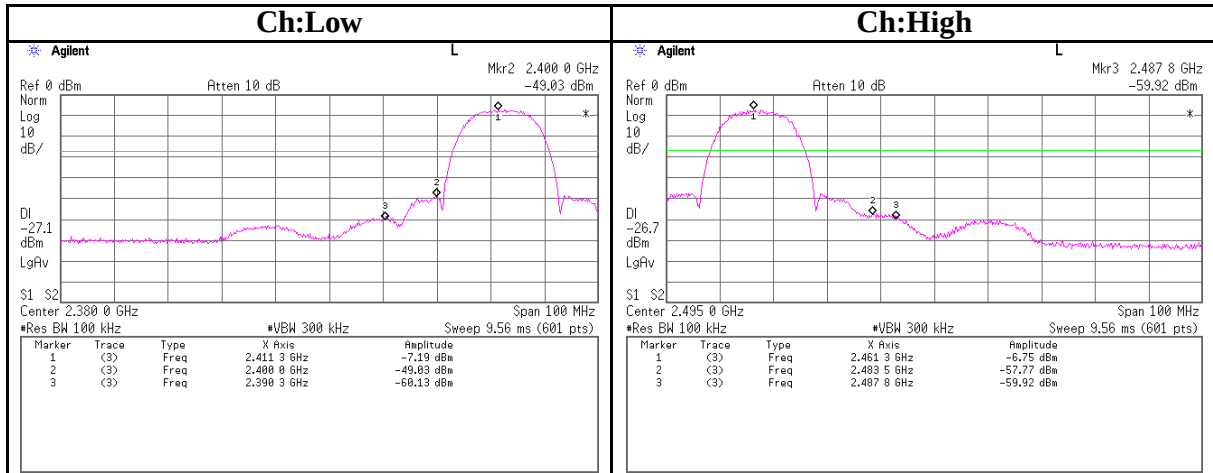


Conducted Spurious Emission
(Rx, IEEE802.11a 54Mbps Antenna: A)

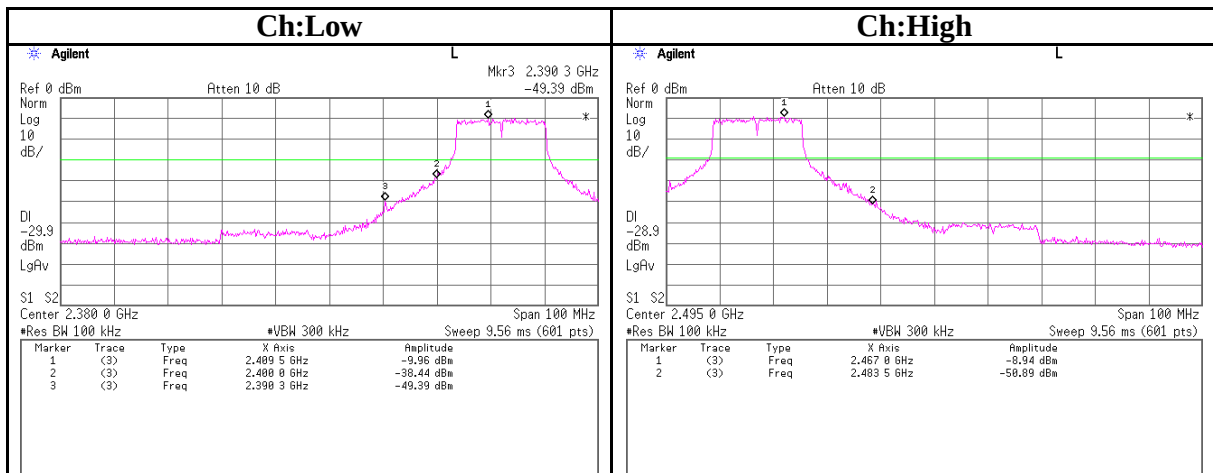


Conducted emission Band Edge compliance

IEEE802.11b 11Mbps Antenna:B



IEEE802.11g 54Mbps Antenna:B



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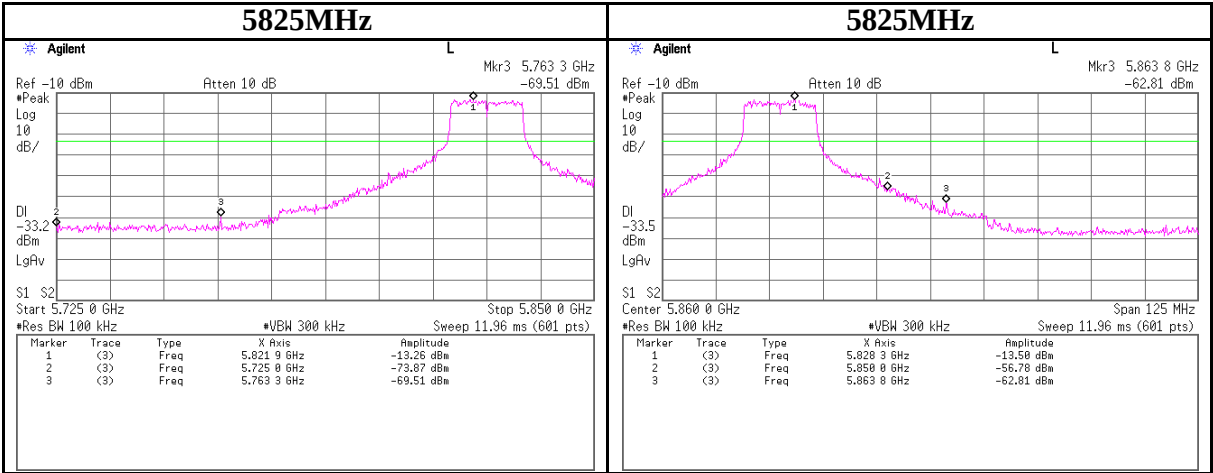
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MF060b(14.06.06)

Conducted emission Band Edge compliance

IEEE802.11a 54Mbps Antenna:A



Power Density

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

Company : silex technology, Inc.
Equipment : MiniPCI Wireless LAN Board
Model : SX-10WAG
Sample No. : ES0002
Power : DC3.3V
Mode : Tx IEEE 802.11b/g
Antenna : B

REPORT NO : 26GE0351-HO
REGULATION : FCC15.247(d)
TEST DISTANCE : -
DATE : 05/15/2006
TEMPERATURE : 24deg.C
HUMIDITY : 37%
ENGINEER : Hiroka Umeyama

[IEEE802.11b : 11Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-17.54	2.80	10.0	-4.7	8.0	12.7
Mid	2437.0	-17.13	2.80	10.0	-4.3	8.0	12.3
High	2462.0	-17.92	2.80	10.0	-5.1	8.0	13.1

[IEEE802.11g : 54Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-22.13	2.80	10.0	-9.3	8.0	17.3
Mid	2437.0	-22.33	2.80	10.0	-9.5	8.0	17.5
High	2462.0	-21.48	2.80	10.0	-8.7	8.0	16.7

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(14.06.06)

Power Density

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

Company : silex technology, Inc.
Equipment : MiniPCI Wireless LAN Board
Model : SX-10WAG
Sample No. : 0080923A9A29
Power : DC3.3V
Mode : Tx IEEE 802.11a
Antenna : A

REPORT NO : 26GE0351-HO
REGULATION : FCC15.247(d)
TEST DISTANCE : -
DATE : 07/08/2006
TEMPERATURE : 25deg.C
HUMIDITY : 60%
ENGINEER : Hiroka Umeyama

[IEEE802.11a : 54Mbps]

Ch	Freq.	Reading	Cable Loss	Atten.	Result	Limit	Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
-	5825.0	-25.13	4.10	10.0	-11.0	8.0	19.0

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

UL Apex Co., Ltd.

Head Office EMC Lab.

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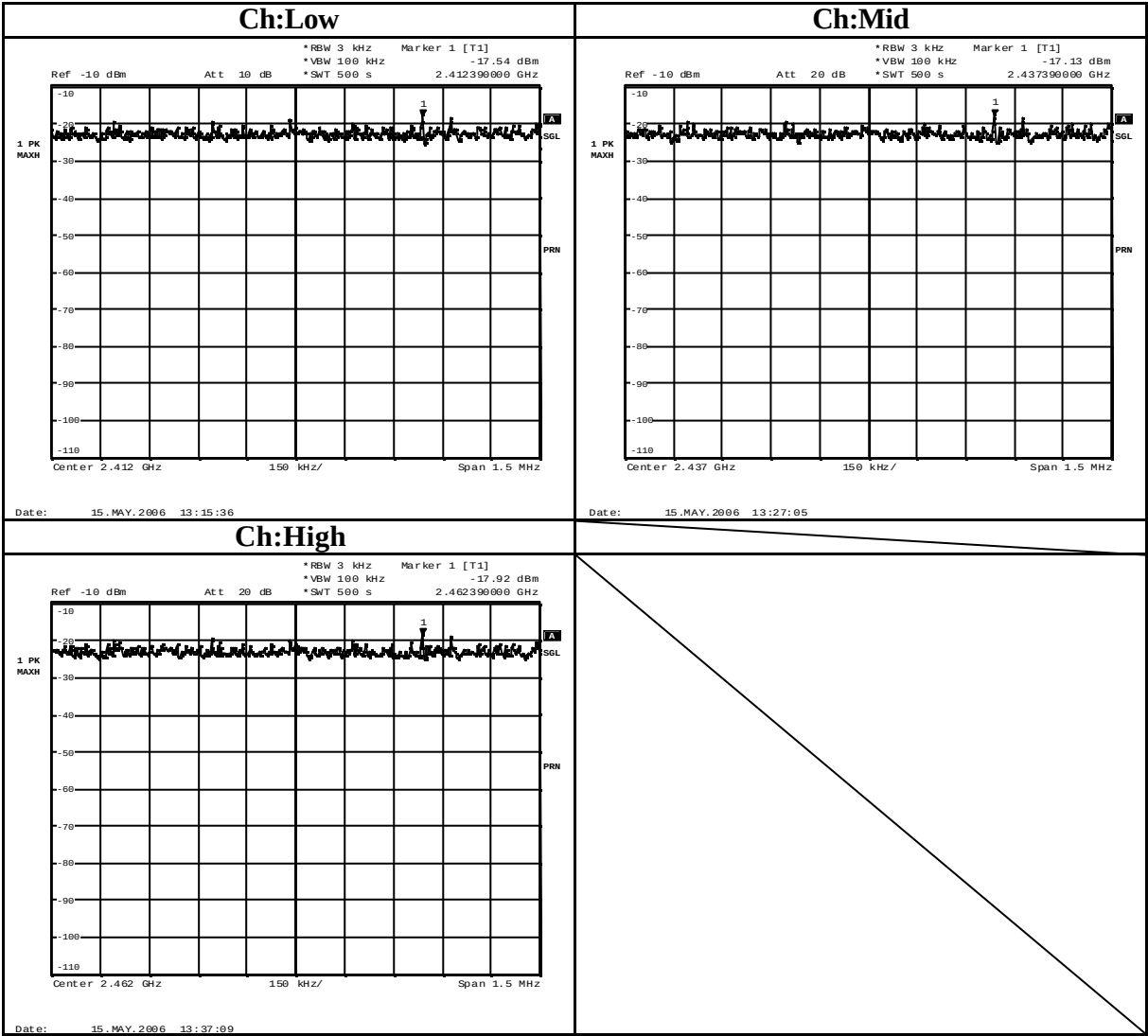
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MF060b(14.06.06)

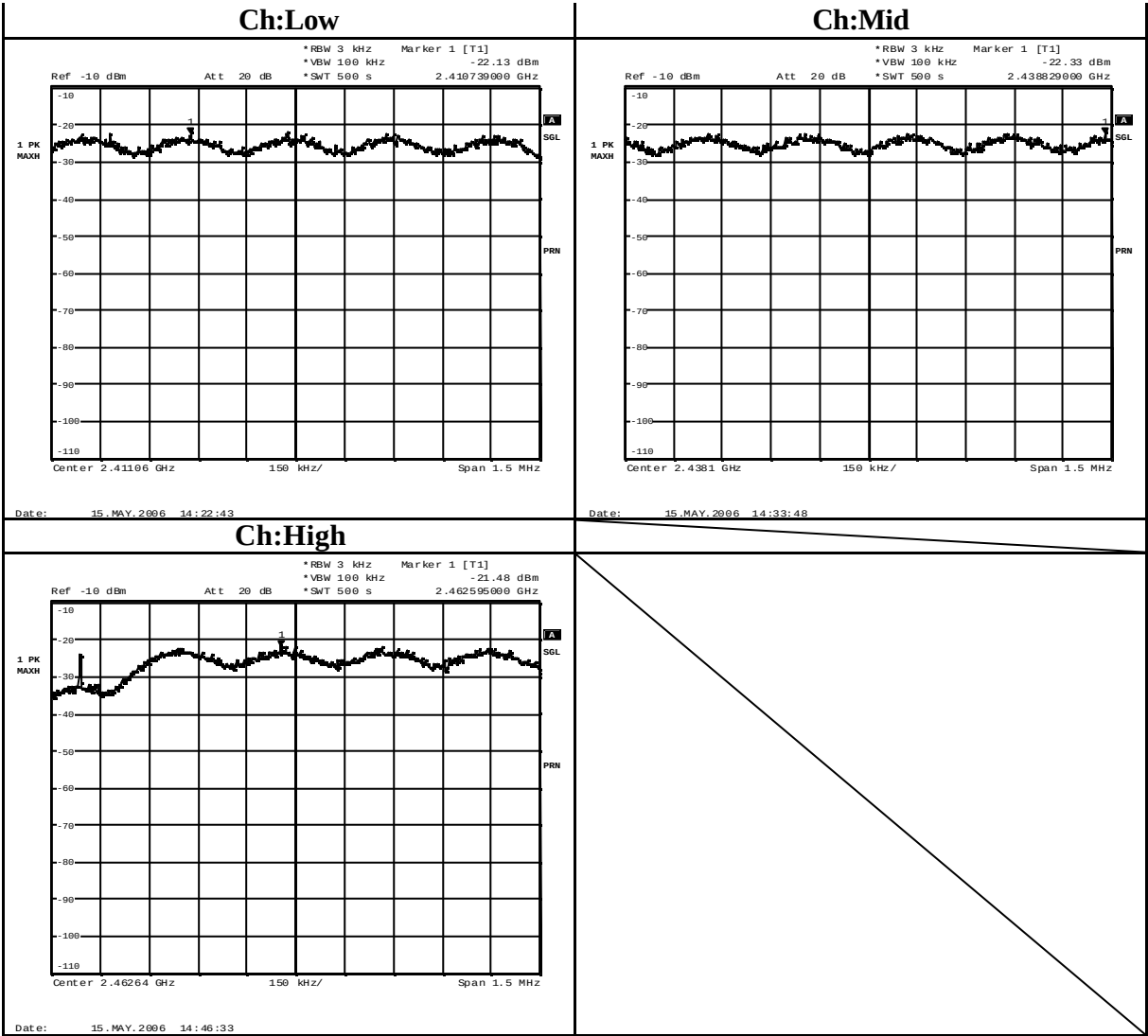
Power Density

IEEE802.11b 11Mbps Antenna:B



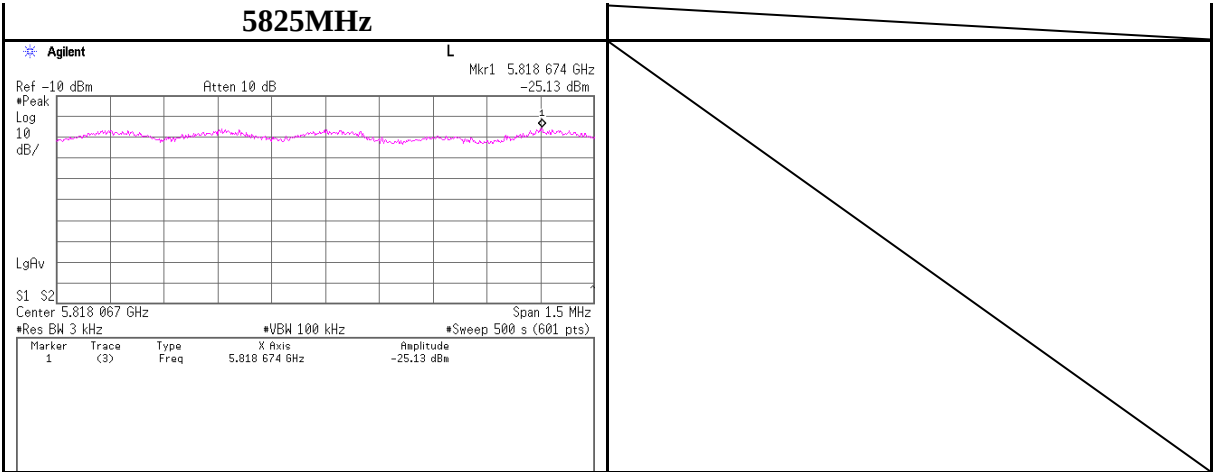
Power Density

IEEE802.11g 54Mbps Antenna:B



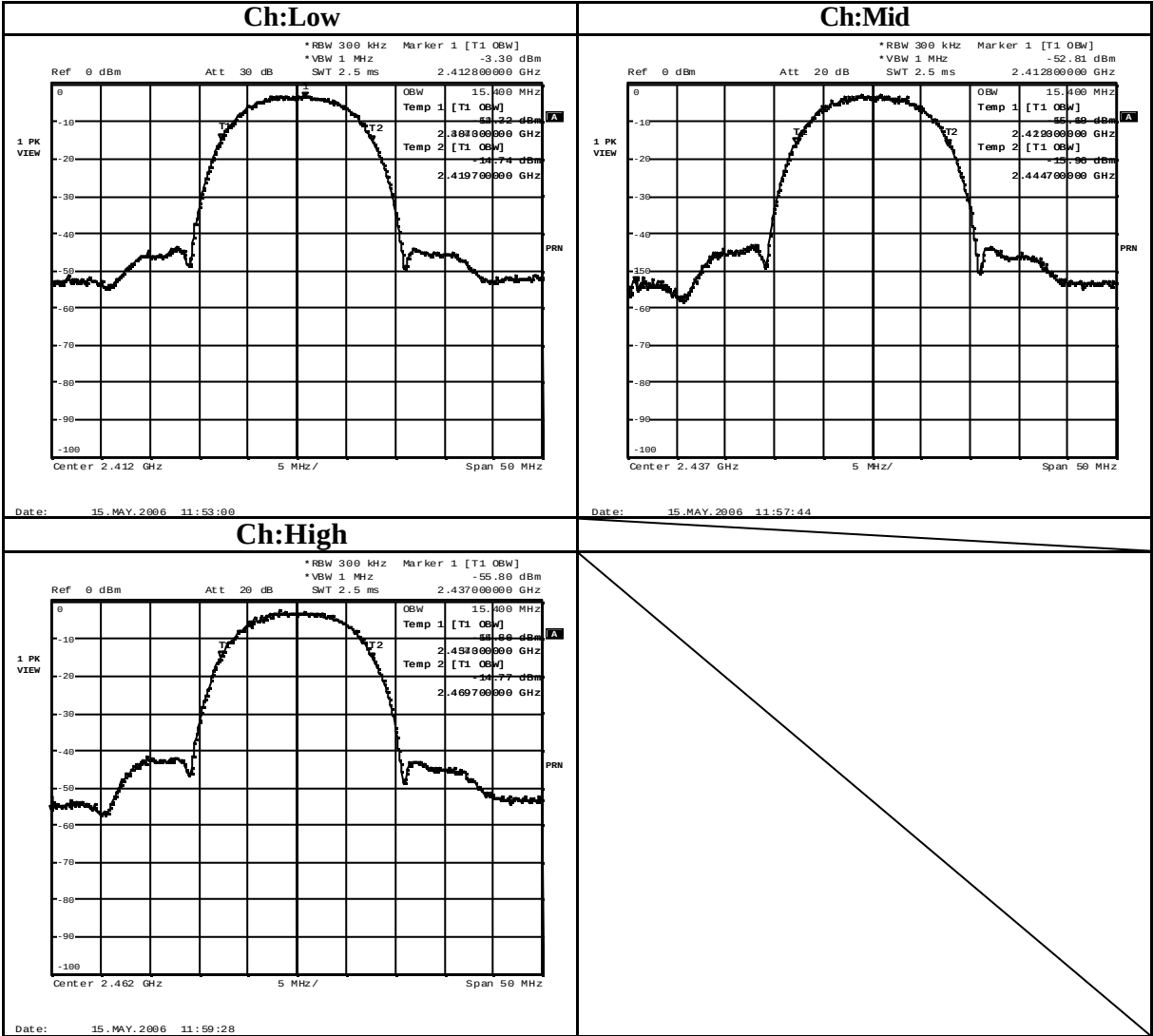
Power Density

IEEE802.11a 54Mbps Antenna:A



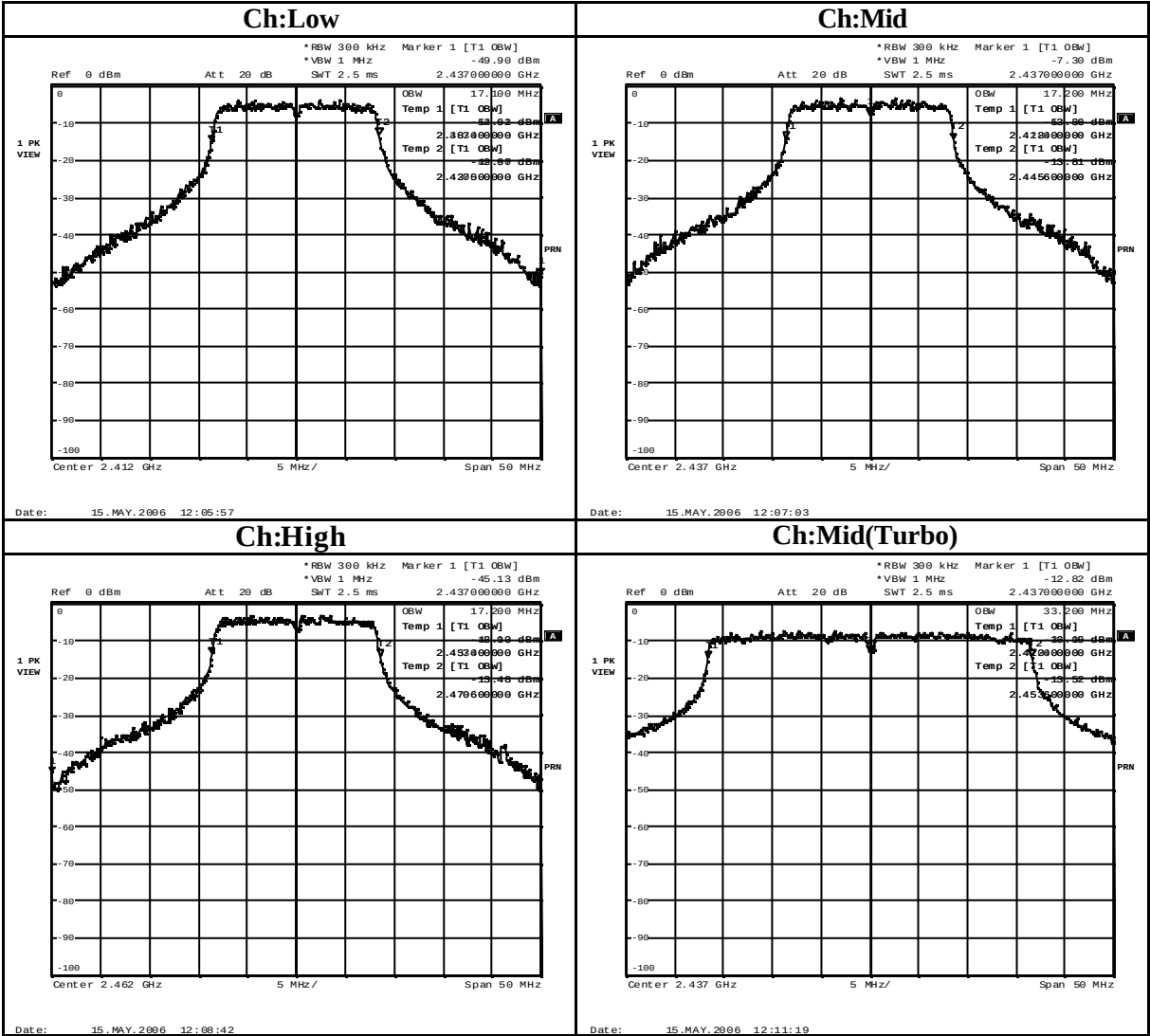
99% Occupied Bandwidth

IEEE802.11b 11Mbps Antenna:B



99%Occupied Bandwidth

IEEE802.11g 54M/108M(Turbo mode)bps Antenna:B



99%Occupied Bandwidth

IEEE802.11a 54Mbps Antenna:A

