

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)(above 1GHz)	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
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	RE	2005/11/10 * 12
MCC-01	Coaxial Cable 0.1-3000MHz	Suhner/storm/Agilent/T SJ	-	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	2006/04/10 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	CE	2004/11/25 * 24
MCC-13	Coaxial Cable	Fujikura/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

UL Apex Co., Ltd.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2006/02/02 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MCC-18	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2006/02/02 * 12
MCC-15	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2006/02/02 * 12
MCC-03	Coaxial Cable	Fujikura/Suhner/Agilent/TSJ	-	CE	2005/12/18 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2005/08/30 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	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)(above 1GHz)	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)(above 1GHz)	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

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**

UL Apex Co., Ltd.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)

APPENDIX 3: Data of EMI test

Conducted Emission

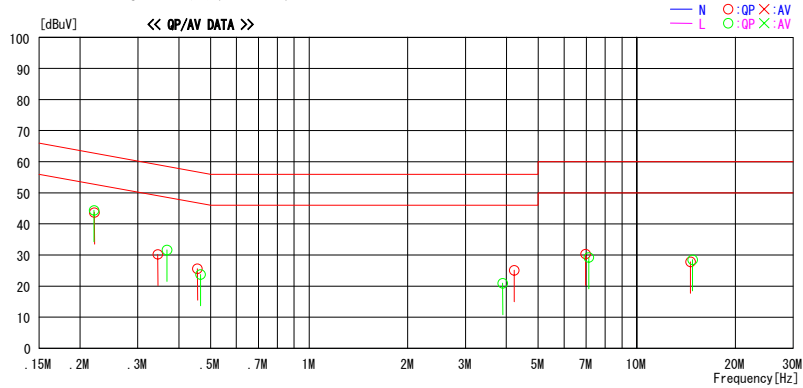
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/12 01:03:49

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 : 11a Tx 5180MHz

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]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.22127	43.2	---	0.4	43.6	---	62.8	---	19.2	---	N
0.34495	29.8	---	0.4	30.2	---	59.1	---	28.9	---	N
0.45595	25.2	---	0.4	25.6	---	56.8	---	31.2	---	N
4.22410	24.2	---	0.9	25.1	---	56.0	---	30.9	---	N
6.98200	29.2	---	1.1	30.3	---	60.0	---	29.7	---	N
14.58560	26.1	---	1.7	27.8	---	60.0	---	32.2	---	N
0.22078	44.0	---	0.4	44.4	---	62.8	---	18.4	---	L
0.36789	31.2	---	0.4	31.6	---	58.5	---	26.9	---	L
0.46578	23.4	---	0.4	23.8	---	56.6	---	32.8	---	L
3.89670	20.1	---	0.8	20.9	---	56.0	---	35.1	---	L
7.12920	28.1	---	1.1	29.2	---	60.0	---	30.8	---	L
14.80006	26.8	---	1.7	28.5	---	60.0	---	31.5	---	L

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.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/05/12 01:03:49

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 : 11a Tx 5180MHz

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

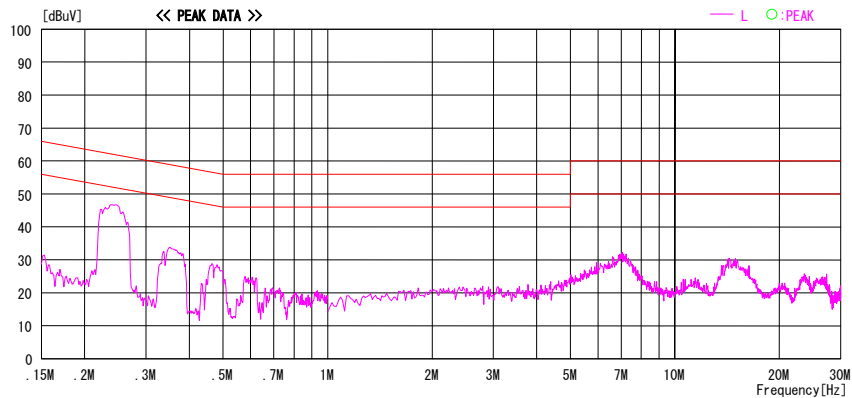
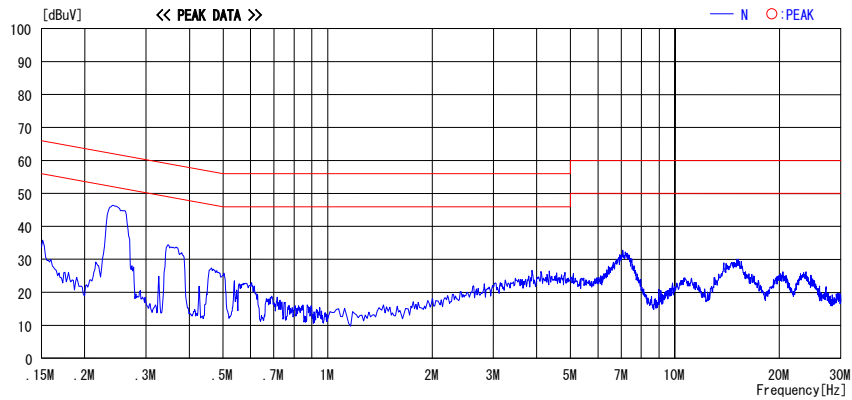


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F(L I S N LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2006/05/12 01:08:55

Applicant : silex technology, Inc	Report No. : 26GE0350-H0
Kind of EUT : MiniPCI Wireless LAN Board	Power : AC120V / 60Hz
Model No. : SX-10WAG	Temp°C/Humi% : 24.6deg. C / 38%
Serial No. : ES0002	Operator : Norihisa Hashimoto

Mode / Remarks : 11a Tx 5240MHz

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

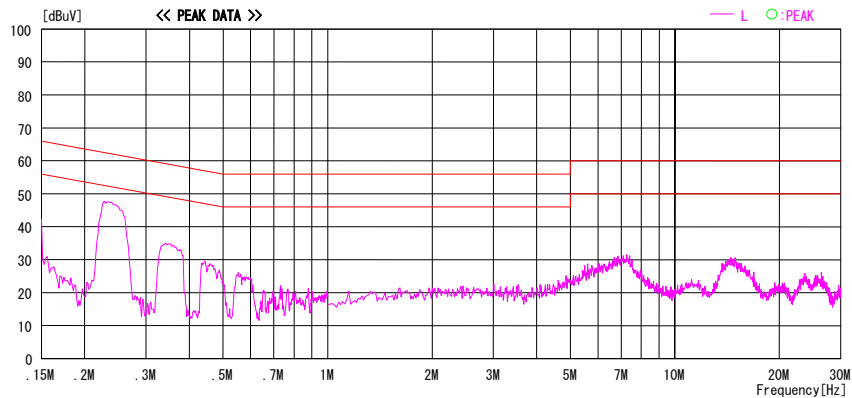
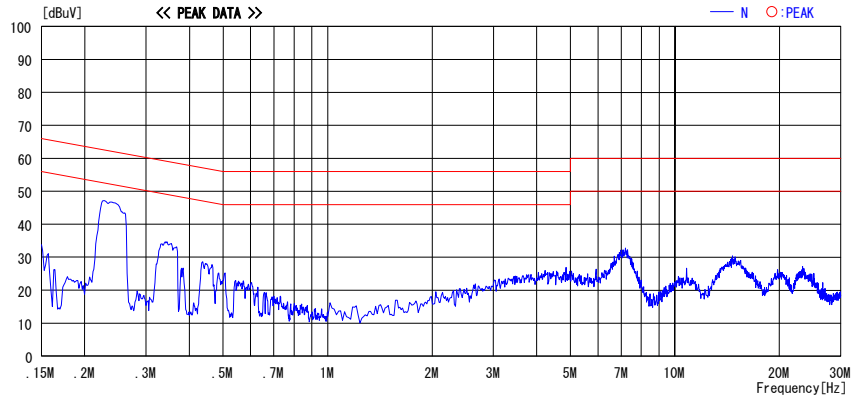


CHART: WITH FACTOR. Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F.(LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2006/05/12 01:13:04

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 : 11a Tx 5320MHz

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

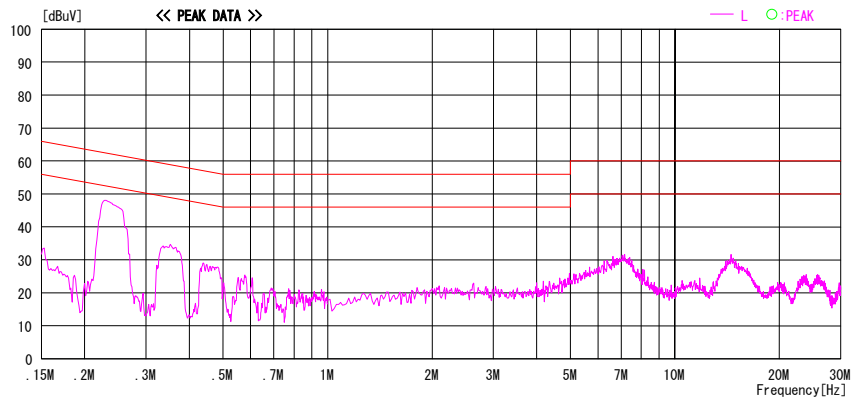
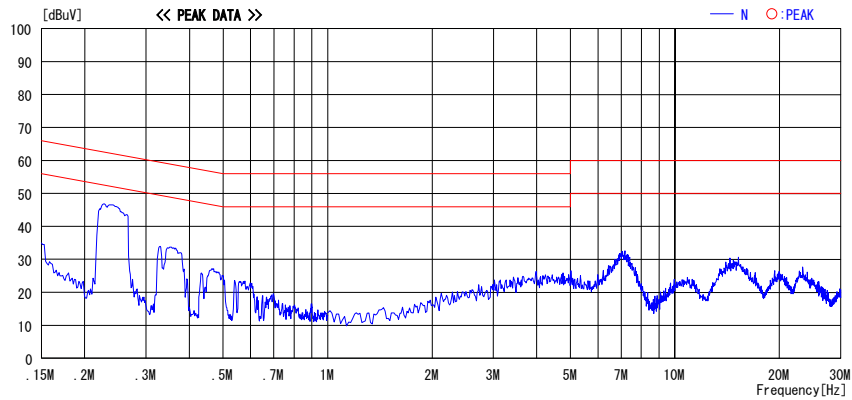


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F(L I SN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2006/05/12 01:17:04

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 : 11a Tx 5240MHz Turbo

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

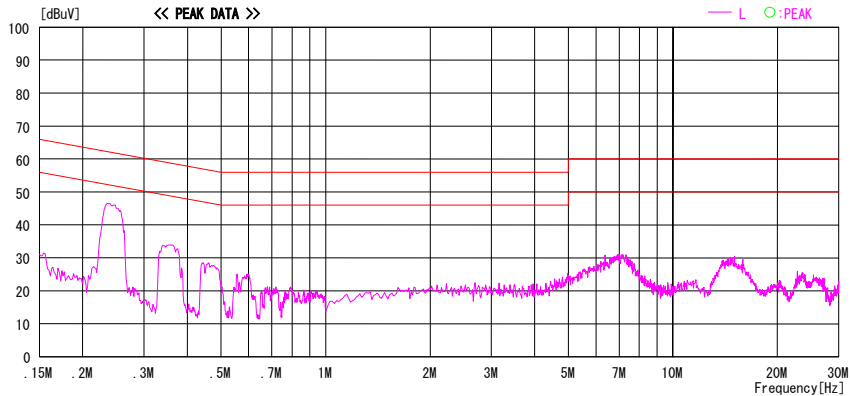
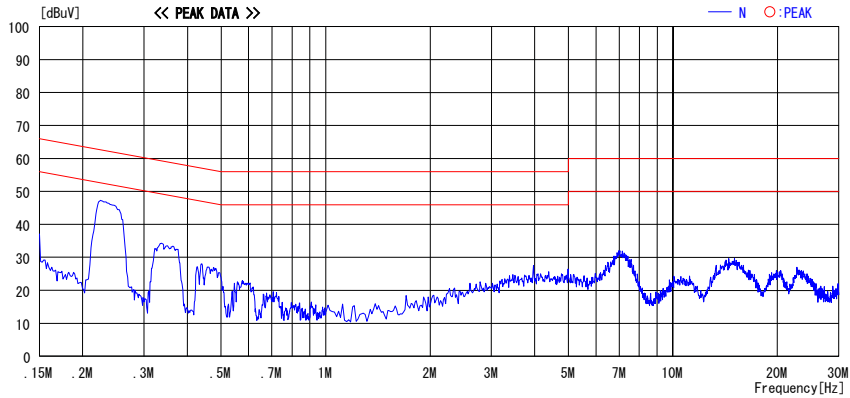


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F(L I S N LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2006/05/12 01:21:10

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 : 11a Rx 5240MHz Turbo

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

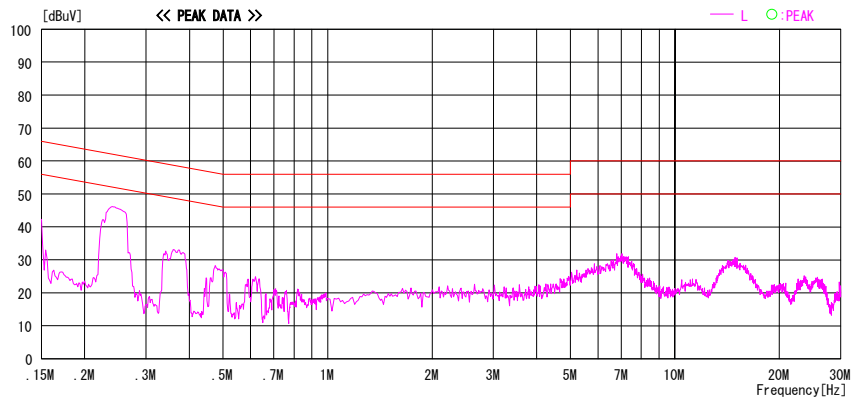
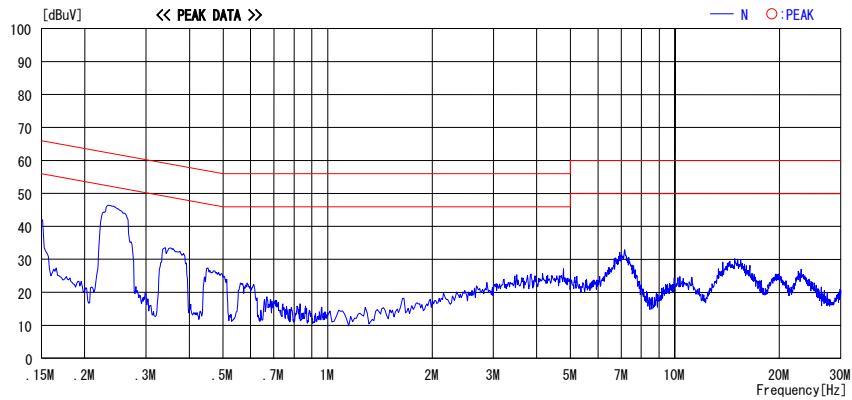


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F(L I SN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

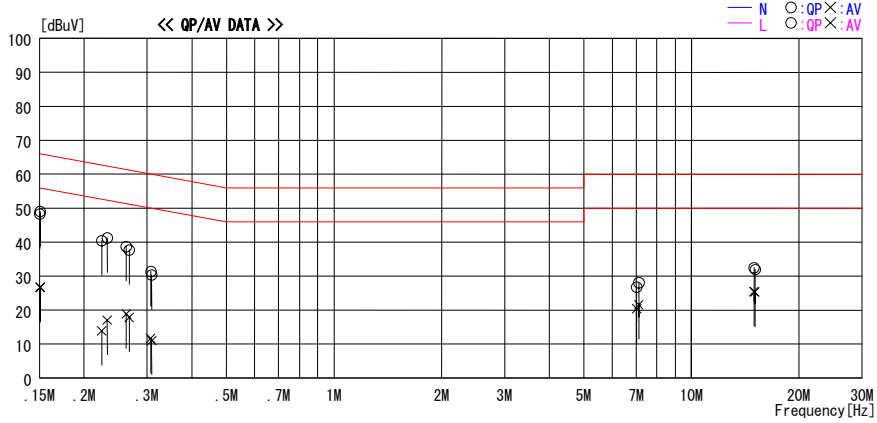
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2006/06/20 00:58:23

Applicant : silex technology, Inc
Kind of EUT : MiniPCI Wireless LAN Board
Model No. : SX-10WAG
Serial No. : 0080923A9A00
Report No. : 26GE0350-H0
Power : AC120V / 60Hz
Temp/C/Humi% : 25deg. C / 55%
Operator : Hiroka Umeyama

Mode / Remarks : 11a Tx 5745MHz

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]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15078	48.8	26.5	0.2	49.0	26.7	66.0	56.0	17.0	29.3	N
0.23196	41.0	16.8	0.2	41.2	17.0	62.4	52.4	21.2	35.4	N
0.26713	37.5	17.6	0.2	37.7	17.8	61.2	51.2	23.5	33.4	N
0.30860	30.1	10.8	0.2	30.3	11.0	60.0	50.0	29.7	39.0	N
7.12625	27.0	20.5	1.1	28.1	21.6	60.0	50.0	31.9	28.4	N
14.95691	30.6	23.6	1.8	32.4	25.4	60.0	50.0	27.6	24.6	N
0.15045	48.1	26.6	0.2	48.3	26.8	66.0	56.0	17.7	29.2	L
0.22394	40.2	13.7	0.2	40.4	13.9	62.7	52.7	22.3	38.8	L
0.26222	38.5	18.6	0.2	38.7	18.8	61.4	51.4	22.7	32.6	L
0.30691	31.1	11.4	0.2	31.3	11.6	60.1	50.1	28.8	38.5	L
7.02305	25.7	19.3	1.1	26.8	20.4	60.0	50.0	33.2	29.6	L
15.05010	30.1	23.5	1.8	31.9	25.3	60.0	50.0	28.1	24.7	L

CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (L1SN 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.1 Semi Anechoic Chamber
 Date : 2006/06/20 00:58:23

Applicant	: silex technology, Inc	Report No.	: 26GE0350-H0
Kind of EUT	: MiniPCI Wireless LAN Board	Power	: AC120V / 60Hz
Model No.	: SX-10WAG	Temp/C/Humi%	: 25deg. C / 55%
Serial No.	: 0080923A9A00	Operator	: Hiroka Umeyama

Mode / Remarks : 11a Tx 5745MHz

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

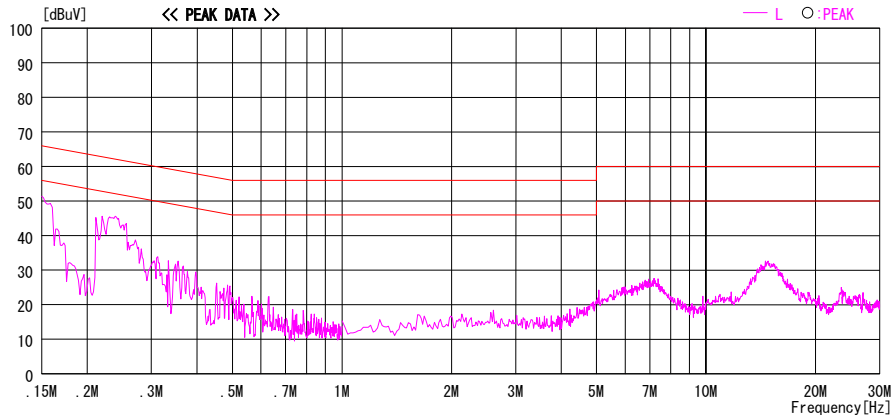
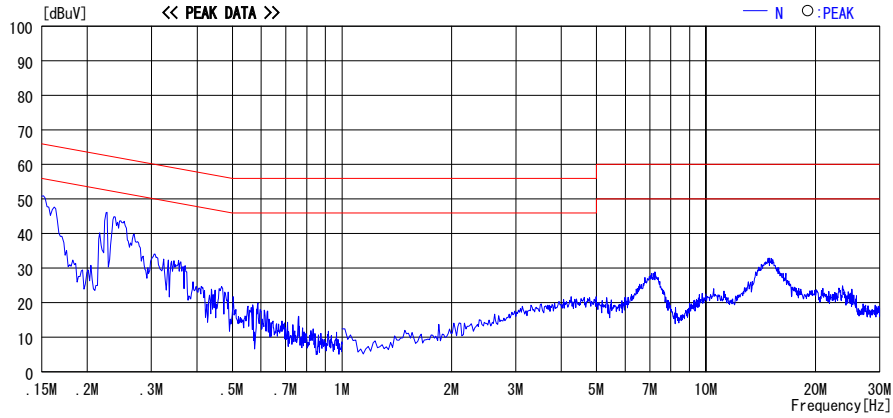


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
 Date : 2006/06/20 01:03:06

Applicant : silex technology, Inc Kind of EUT : MiniPCI Wireless LAN Board Model No. : SX-10WAG Serial No. : 0080923A9A00	Report No. : 26GE0350-H0 Power : AC120V / 60Hz Temp°C/Humi% : 25deg. C / 55% Operator : Hiroka Umeyama
--	---

Mode / Remarks : 11a Tx 5765MHz

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

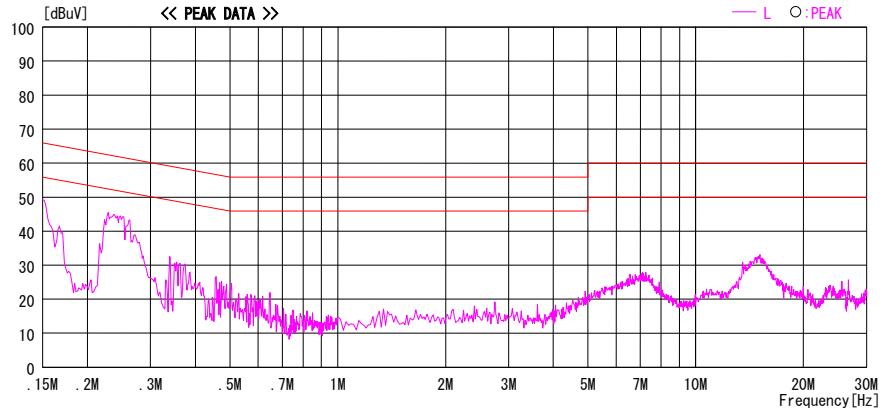
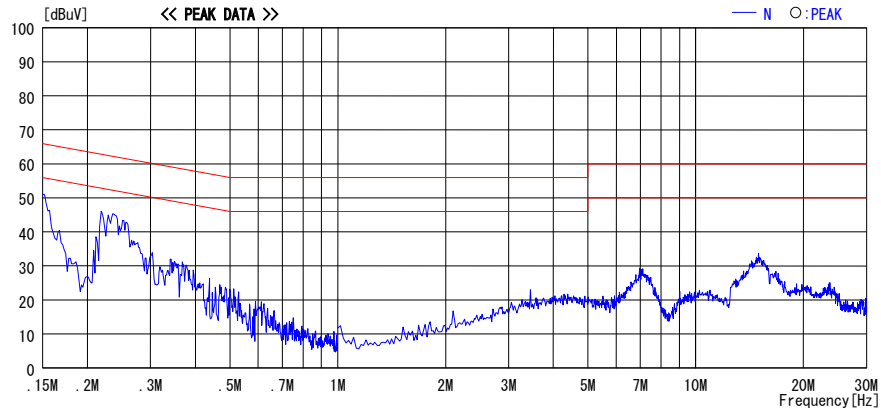


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F(L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
 Date : 2006/06/20 01:08:35

Applicant : silex technology, Inc Kind of EUT : MiniPCI Wireless LAN Board Model No. : SX-10WAG Serial No. : 0080923A9A00	Report No. : 26GE0350-H0 Power : AC120V / 60Hz Temp°C/Humi% : 25deg. C / 55% Operator : Hiroka Umeyama
--	---

Mode / Remarks : 11a Tx 5805MHz

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

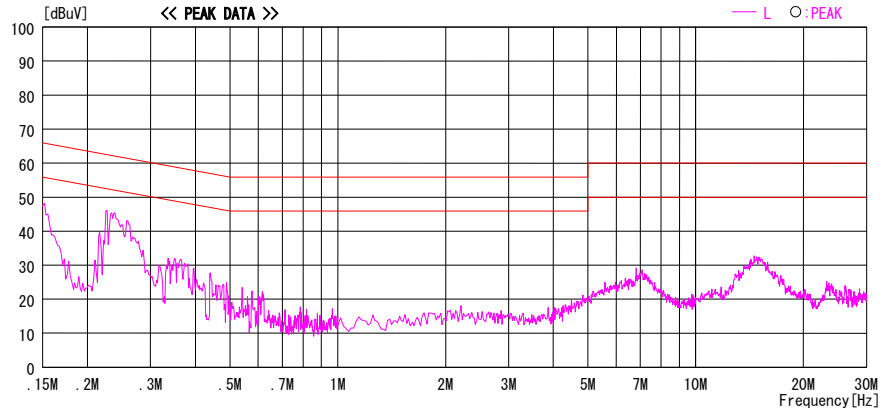
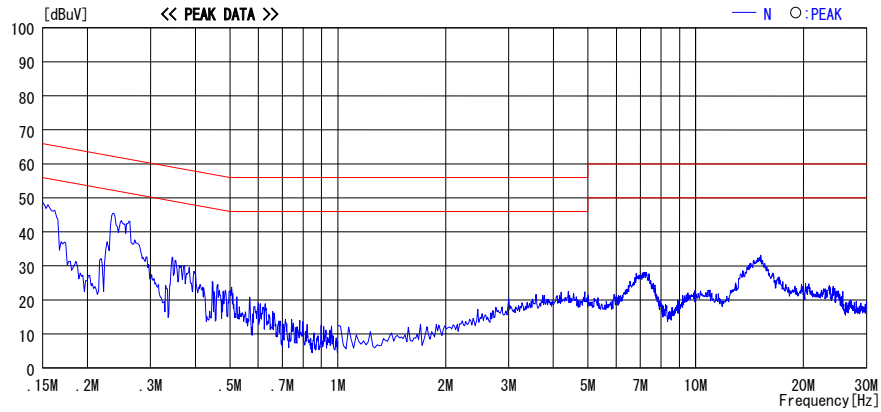


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
 Date : 2006/06/20 01:22:49

Applicant : silex technology, Inc Kind of EUT : MiniPCI Wireless LAN Board Model No. : SX-10WAG Serial No. : 0080923A9A00	Report No. : 26GE0350-H0 Power : AC120V / 60Hz Temp°C/Humi% : 25deg. C / 55% Operator : Hiroka Umeyama
--	---

Mode / Remarks : 11a Rx 5765MHz

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

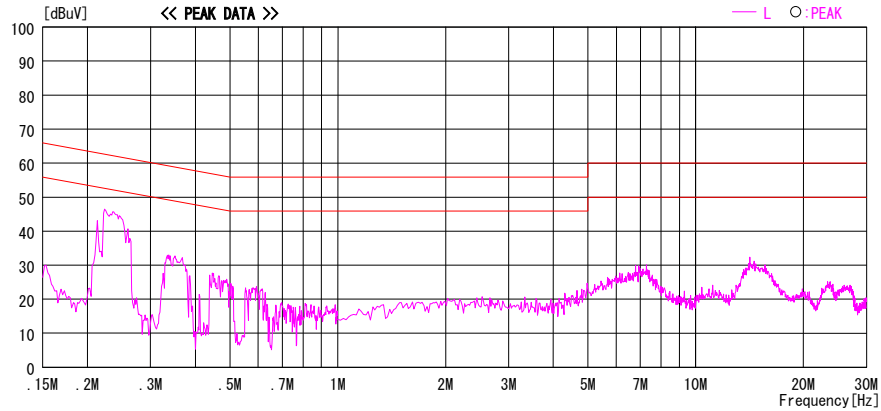
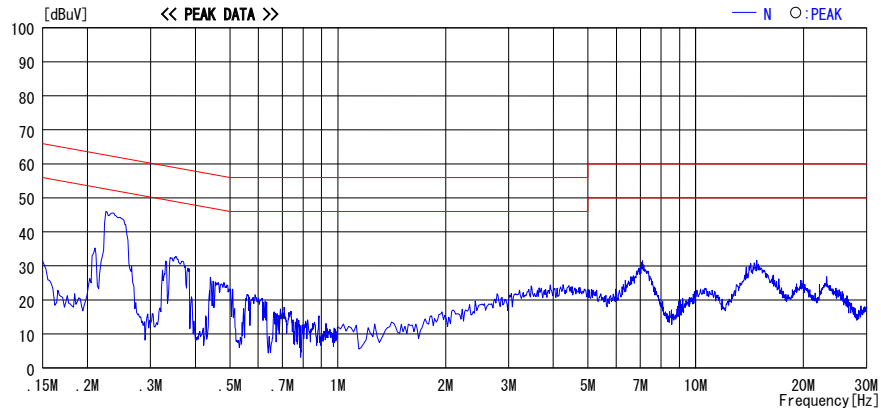


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

26dB Emission Bandwidth

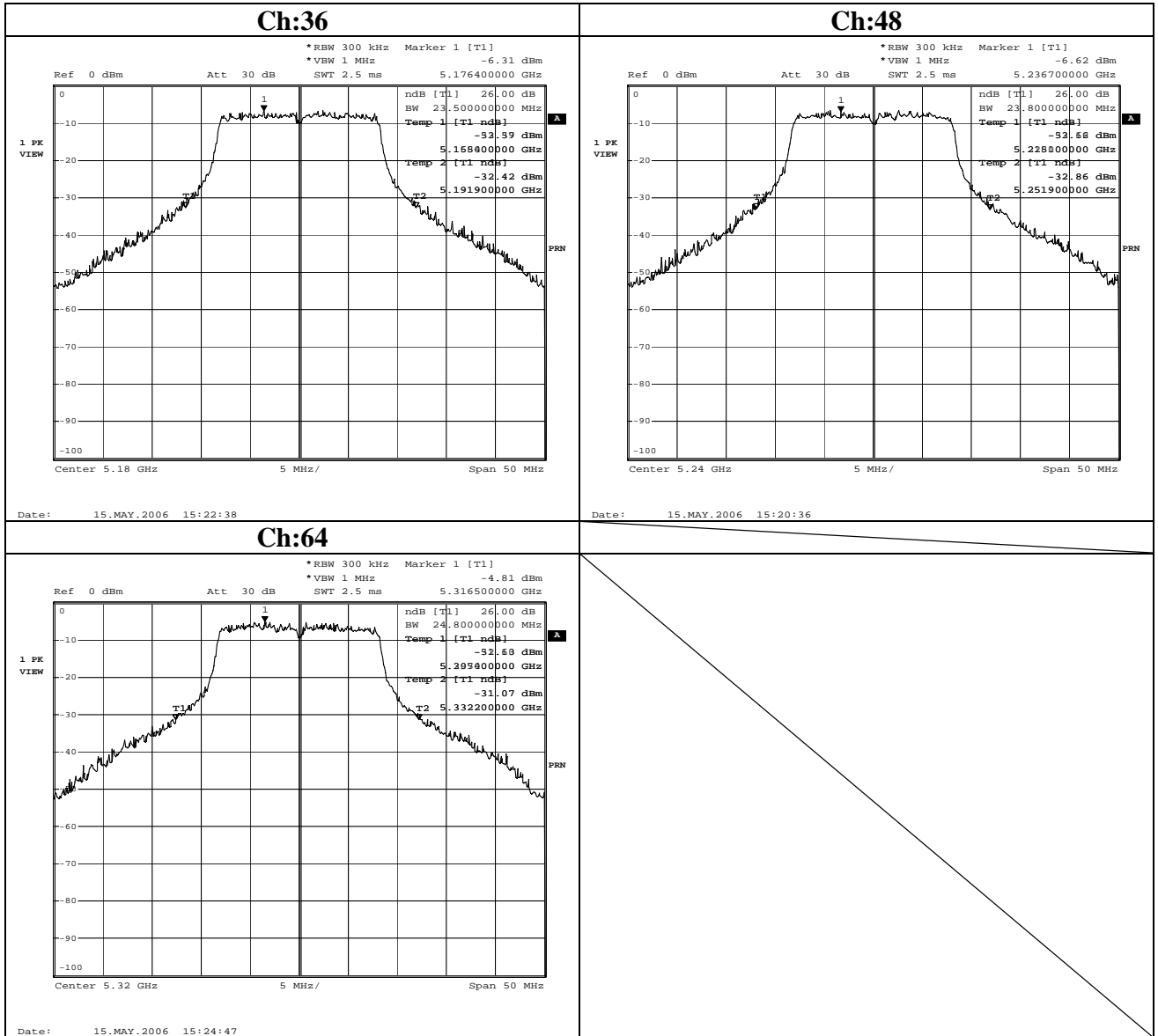
UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Measurement Room

Company : silex technology, Inc.
Equipment : MiniPCI Wireless LAN Board
Model : SX-10WAG
Sample No. : ES0002 and 0080923A9A00
Power : DC3.3V
Mode : Tx IEEE 802.11a
Antenna : A
Rate : 54M/108M(Turbo mode)bps

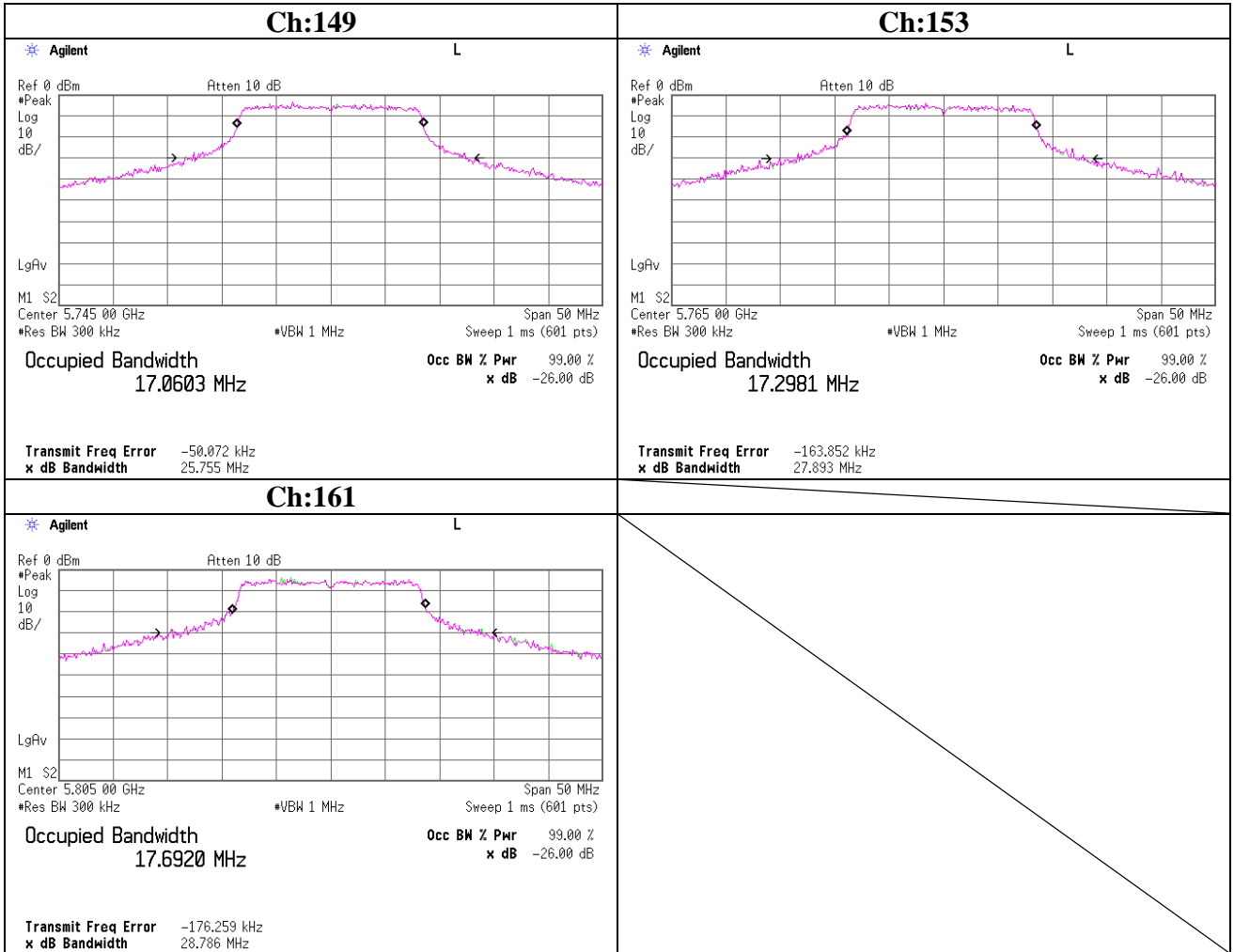
REPORT NO : 26GE0351-HO
REGULATION : FCC15.407(a)(1)(2)
TEST DISTANCE : -
DATE : 05/17/2006 and 06/14/2006
TEMPERATURE : 23deg.C and 25deg.C
HUMIDITY : 62% and 54%
ENGINEER : Hiroka Umeyama

Ch	Freq. [MHz]	26dB Bandwidth [MHz]	Limit [MHz]
36	5180.0	23.500	-
48	5240.0	23.800	-
64	5320.0	24.800	-
149	5745.0	25.755	-
153	5765.0	27.893	-
161	5805.0	28.786	-
40 (Turbo mode)	5200.0	44.300	-
50 (Turbo mode)	5250.0	43.900	-
58 (Turbo mode)	5290.0	44.500	-

26dB Emission Bandwidth
54Mbps Antenna:A

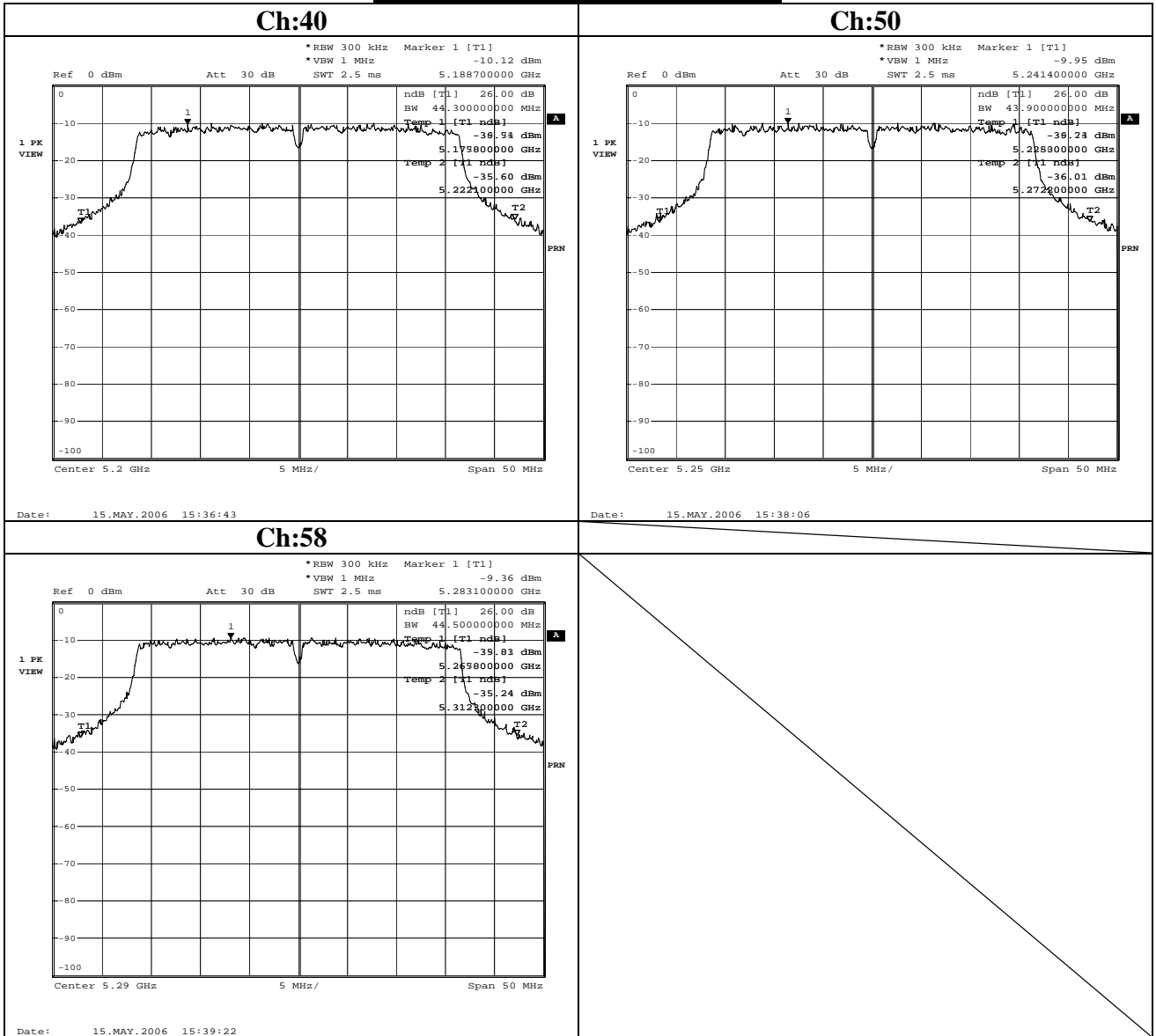


26dB Emission Bandwidth
54Mbps Antenna:A



26dB Emission Bandwidth

108Mbps(Turbo mode) Antenna:A



Peak Transmit Power

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

Company	: silex technology, Inc.	REPORT NO	: 26GE0351-HO
Equipment	: MiniPCI Wireless LAN Board	REGULATION	: FCC15.407(a)(1)(2)(3)
Model	: SX-10WAG	TEST DISTANCE	: -
Sample No.	: ES0002 and 0080923A9A00	DATE	: 05/17/2006 and 06/14/2006
Power	: DC3.3V	TEMPERATURE	: 23deg.C and 25deg.C
Mode	: Tx IEEE 802.11a	HUMIDITY	: 62% and 54%
Antenna	: A	ENGINEER	: Hiroka Umeyama

ANT:A 54Mbps

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-1.46	4.10	10.00	12.64	17.00	4.36
48	5240.0	-1.81	4.10	10.00	12.29	17.00	4.71
64	5320.0	-1.65	4.10	10.00	12.45	24.00	11.55
149	5745.0	-0.50	4.10	10.00	13.60	30.00	16.40
153	5765.0	-0.67	4.10	10.00	13.43	30.00	16.57
161	5805.0	-0.72	4.10	10.00	13.38	30.00	16.62

ANT:A Turbo Mode 108Mbps

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
40	5200.0	-4.51	4.10	10.00	9.59	17.00	7.41
50	5250.0	-3.90	4.10	10.00	10.20	17.00	6.80
58	5290.0	-2.30	4.10	10.00	11.80	24.00	12.20

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.

Peak Transmit Power

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

Company : silex technology, Inc.	REPORT NO : 26GE0351-HO
Equipment : MiniPCI Wireless LAN Board	REGULATION : FCC15.407(a)(1)(2)(3)
Model : SX-10WAG	TEST DISTANCE : -
Sample No. : ES0002 and 0080923A9A00	DATE : 05/17/2006 and 06/14/2006
Power : DC3.3V	TEMPERATURE : 23deg.C and 25deg.C
Mode : Tx IEEE 802.11a	HUMIDITY : 62% and 54%
Antenna : B	ENGINEER : Hiroka Umeyama

ANT:B 54Mbps

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-1.66	4.10	10.00	12.44	17.00	4.56
48	5240.0	-1.84	4.10	10.00	12.26	17.00	4.74
64	5320.0	-2.51	4.10	10.00	11.59	24.00	12.41
149	5745.0	-0.67	4.10	10.00	13.43	30.00	16.57
153	5765.0	-0.76	4.10	10.00	13.34	30.00	16.66
161	5805.0	-0.74	4.10	10.00	13.36	30.00	16.64

ANT:B Turbo Mode 108Mbps

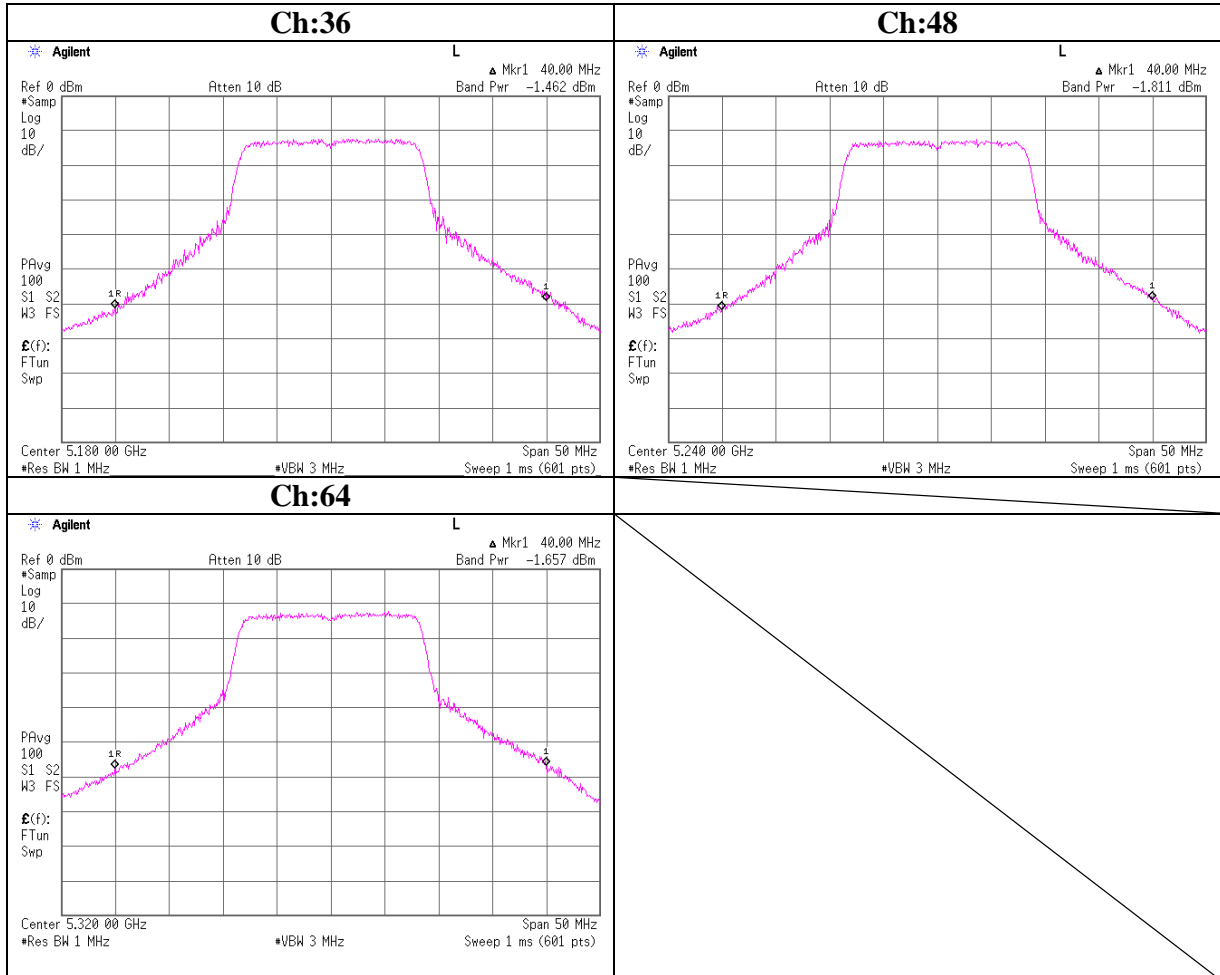
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
40	5200.0	-3.27	4.10	10.00	10.83	17.00	6.17
50	5250.0	-3.23	4.10	10.00	10.87	17.00	6.13
58	5290.0	-2.75	4.10	10.00	11.35	24.00	12.65

Sample Calculation:

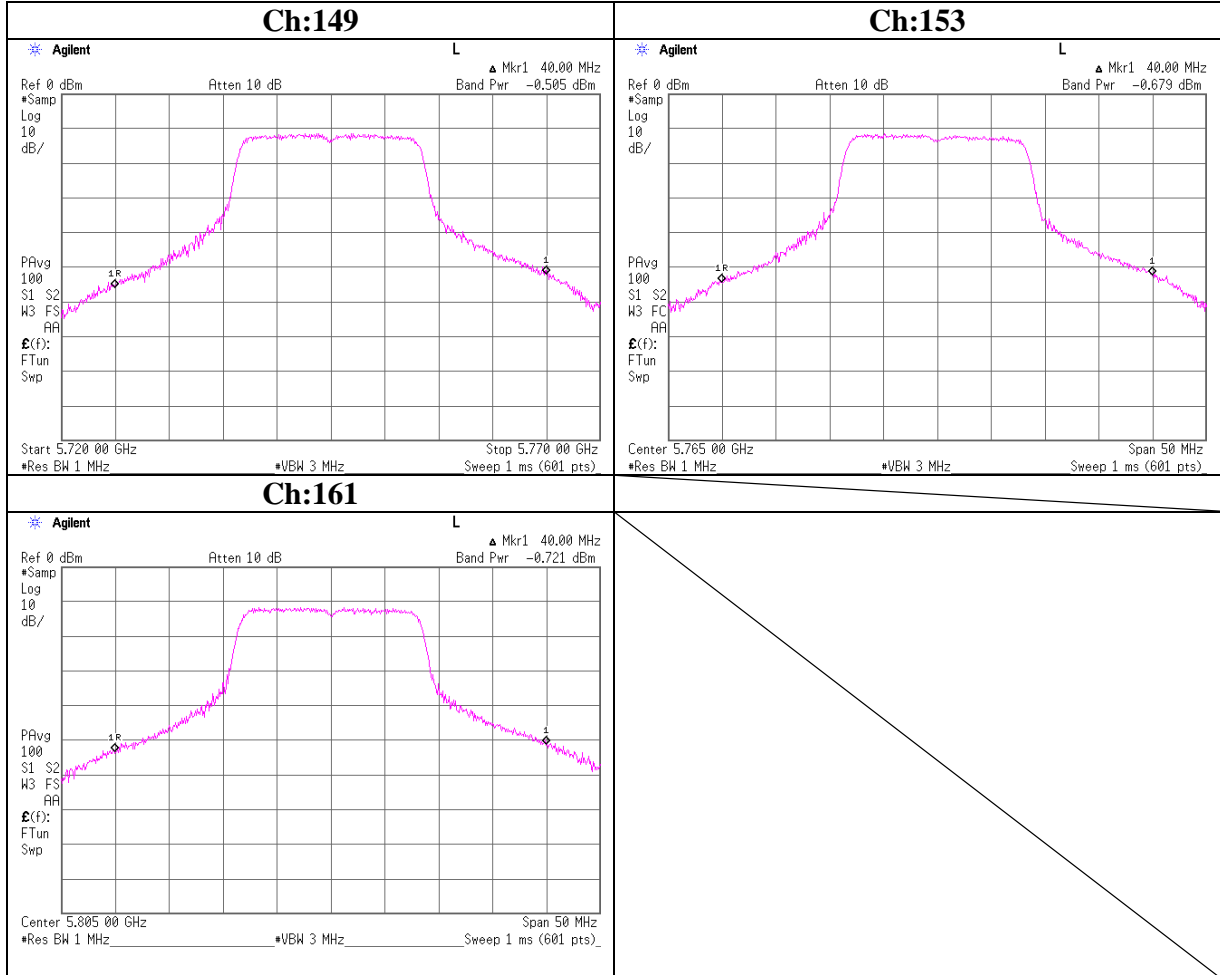
Result = Reading + Cable Loss + Attenuator

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

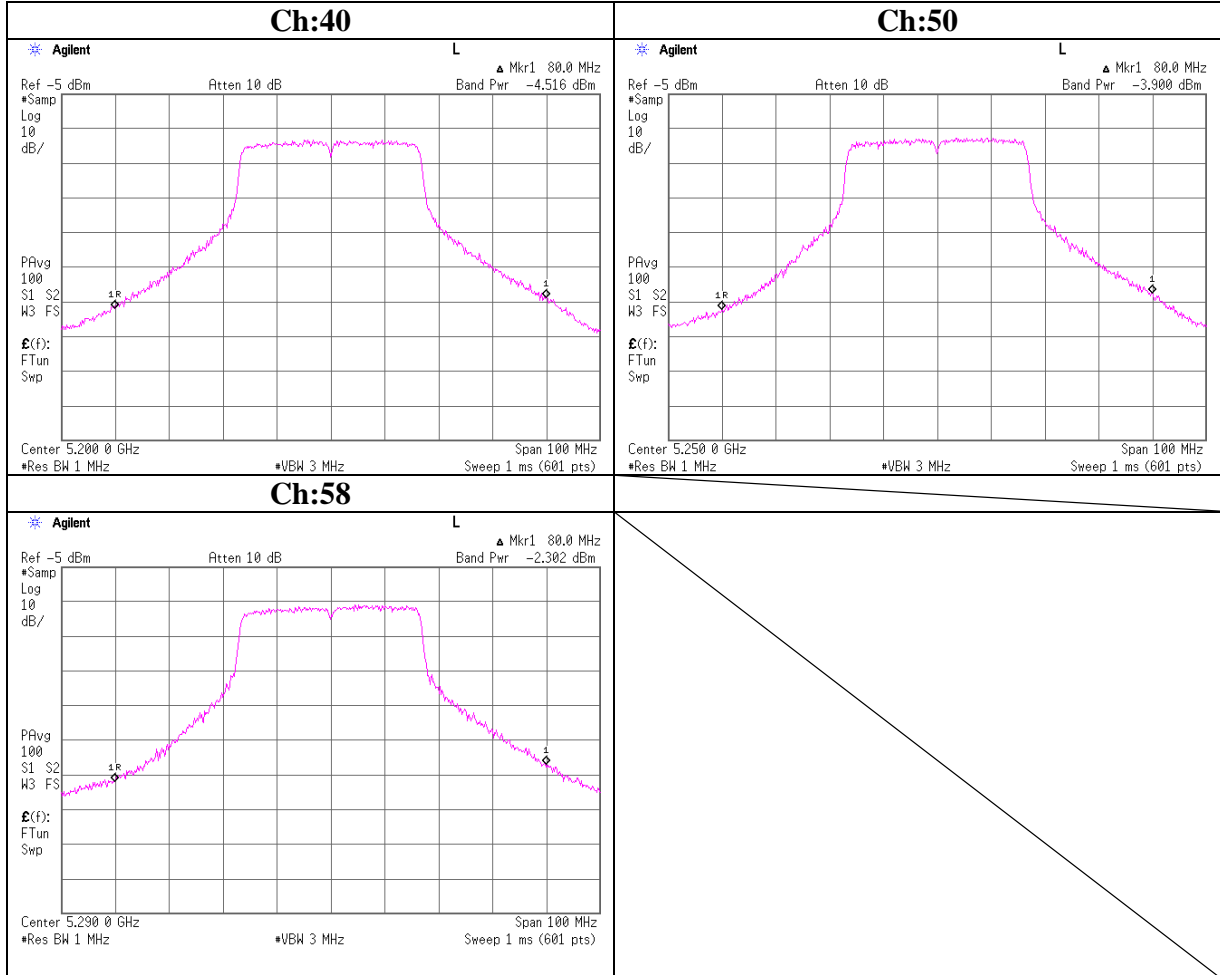
Peak Transmit Power
ANT:A, 54Mbps



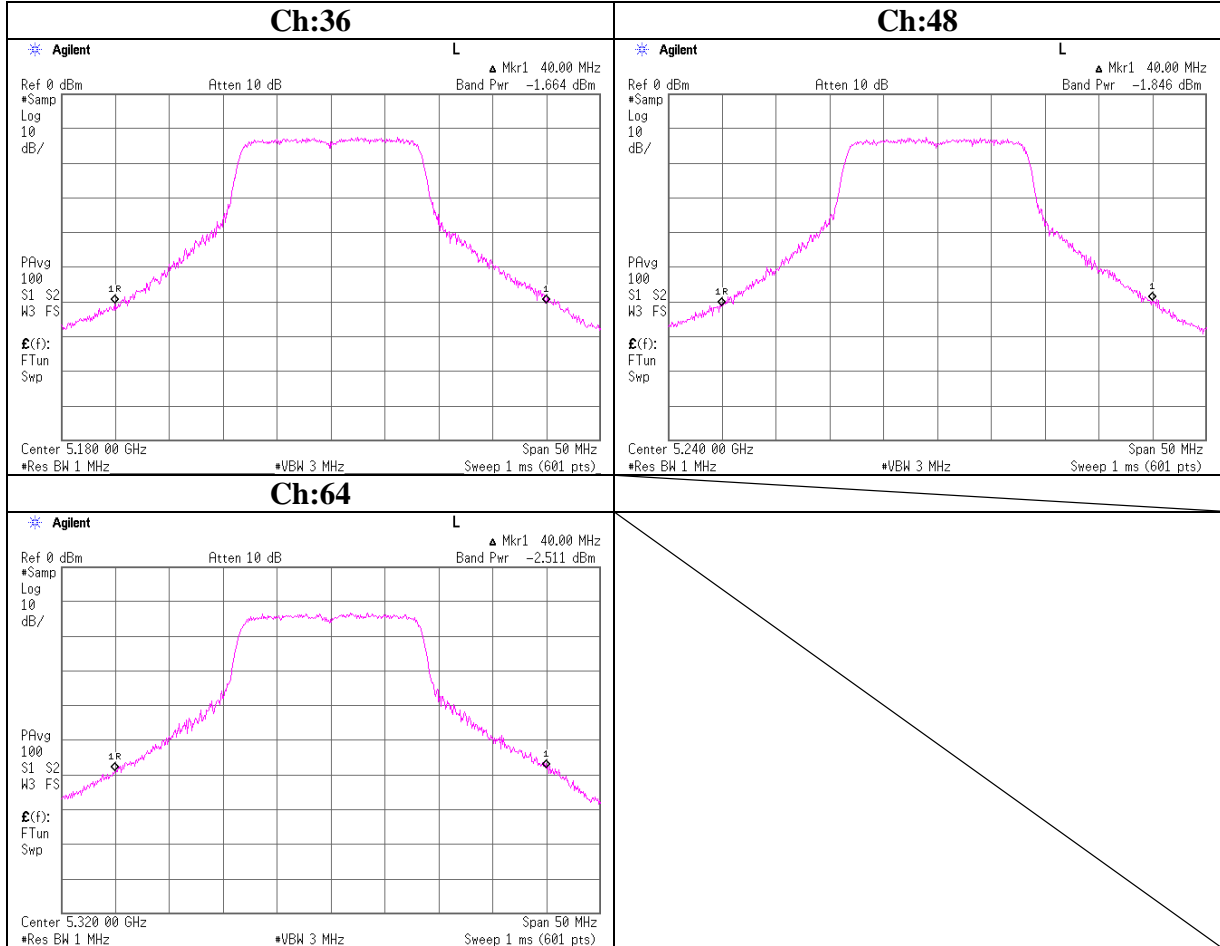
Peak Transmit Power
ANT:A, 54Mbps



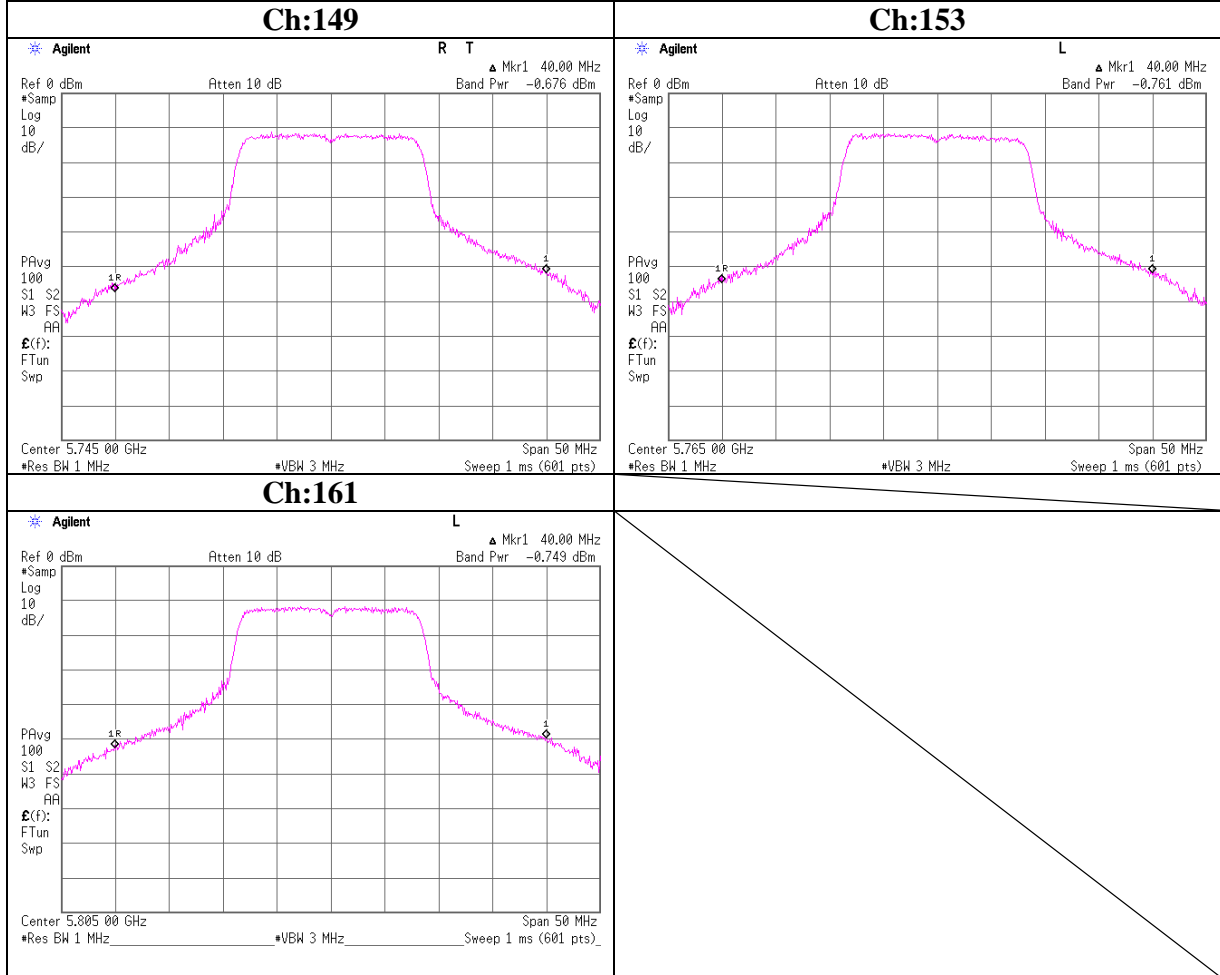
Peak Transmit Power
ANT:A, Turbo Mode 108Mbps



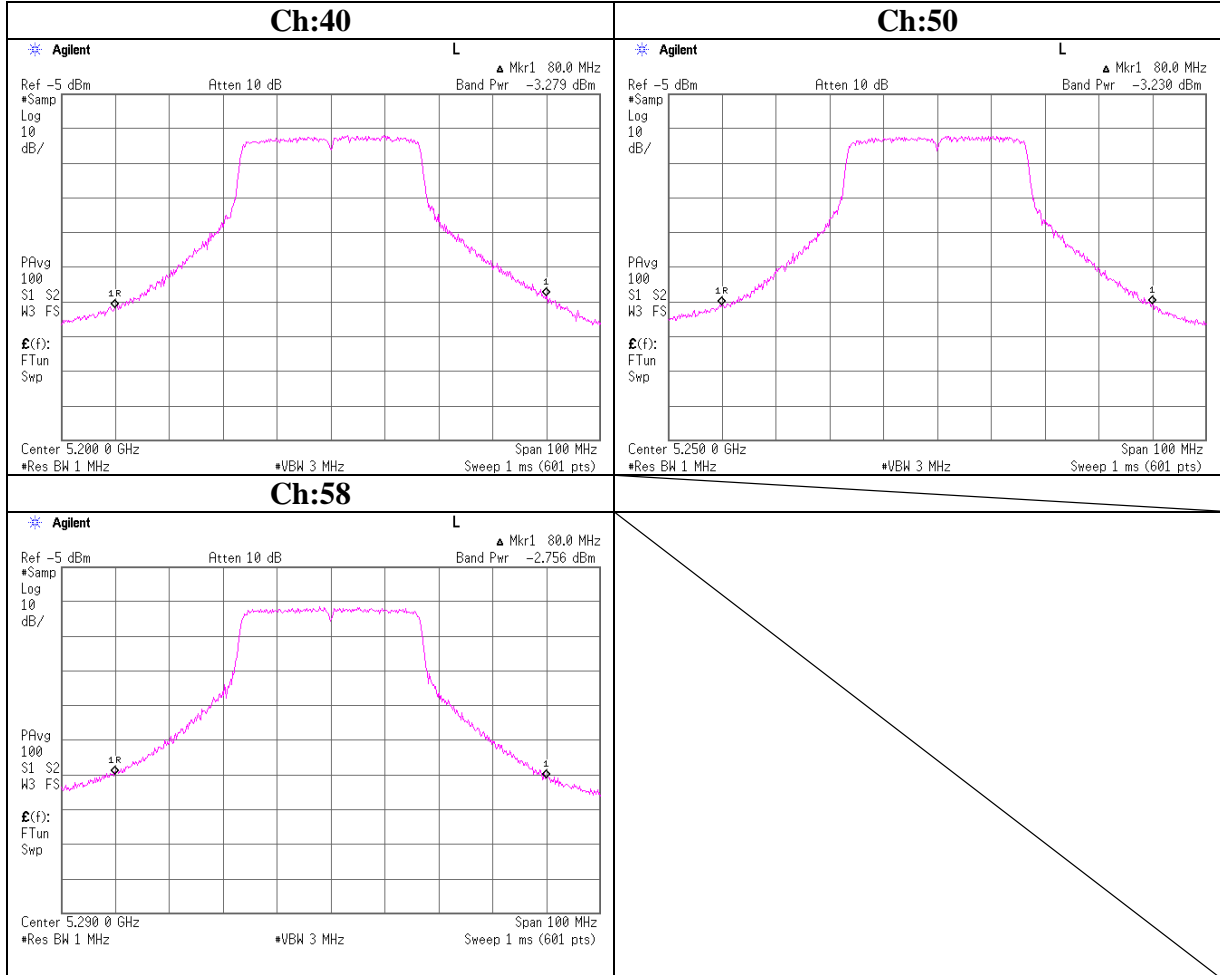
Peak Transmit Power
ANT:B, 54Mbps



Peak Transmit Power
ANT:B, 54Mbps



Peak Transmit Power
ANT:B, Turbo Mode 108Mbps



Radiated Spurious Emission (below 1GHz)

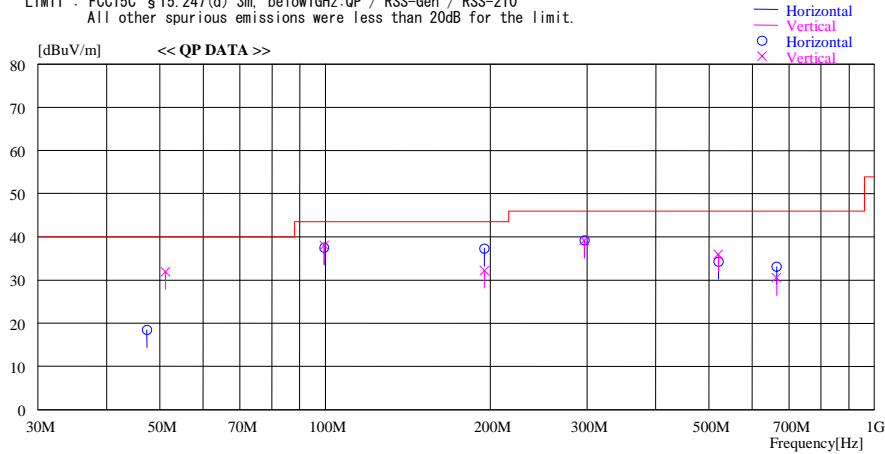
DATA OF RADIATED EMISSION TEST

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 11a/54Mbps/5180MHz/Tx99/PN9/MAX-Axis:X (HOR), Y (VER)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
47.400	27.3	QP	11.4	-20.3	18.4	250	280	Hori.	40.0	21.6
51.220	41.8	QP	10.3	-20.2	31.9	23	100	Vert.	40.0	8.1
99.670	46.3	QP	10.4	-19.2	37.5	0	400	Hori.	43.5	6.0
99.670	46.8	QP	10.4	-19.2	38.0	0	100	Vert.	43.5	5.5
195.090	32.9	QP	17.0	-17.7	32.2	0	100	Vert.	43.5	11.3
195.090	38.0	QP	17.0	-17.7	37.3	0	185	Hori.	43.5	6.2
296.450	35.5	QP	20.3	-16.6	39.2	145	300	Hori.	46.0	6.8
296.450	35.5	QP	20.3	-16.6	39.2	140	230	Vert.	46.0	6.8
520.230	34.2	QP	18.1	-16.4	35.9	354	100	Vert.	46.0	10.1
520.230	32.6	QP	18.1	-16.4	34.3	100	170	Hori.	46.0	11.7
664.080	28.6	QP	20.0	-15.5	33.1	120	263	Hori.	46.0	12.9
664.080	26.0	QP	20.0	-15.5	30.5	37	100	Vert.	46.0	15.5

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)

Radiated Spurious Emission (below 1GHz)

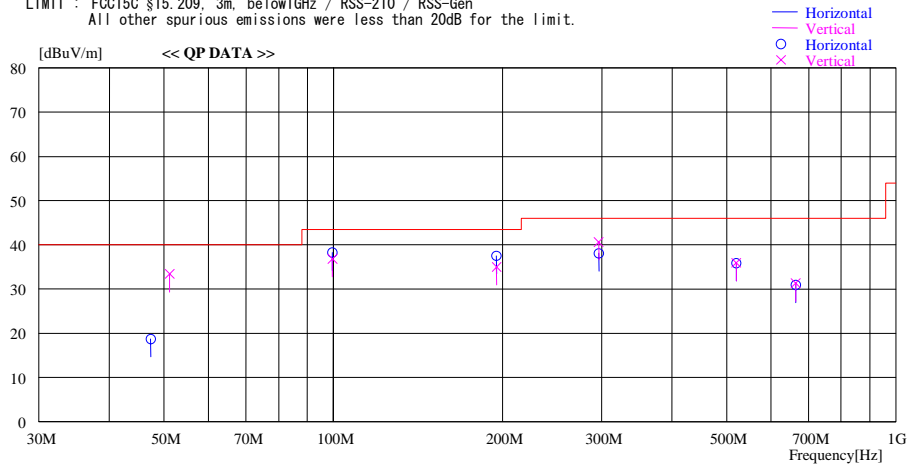
DATA OF RADIATED EMISSION TEST

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 11a/54Mbps/5240MHz/Tx99/PN9/MAX-Axis:X(HOR), Y(VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
All other spurious emissions were less than 20dB for the limit.



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	27.6	QP	11.4	-20.3	18.7	250	280	Hori.	40.0	21.3
51.220	43.3	QP	10.3	-20.2	33.4	23	100	Vert.	40.0	6.6
99.670	47.0	QP	10.4	-19.2	38.2	0	400	Hori.	43.5	5.3
99.670	45.6	QP	10.4	-19.2	36.8	0	100	Vert.	43.5	6.7
195.090	35.7	QP	17.0	-17.7	35.0	0	100	Vert.	43.5	8.5
195.090	38.2	QP	17.0	-17.7	37.5	0	185	Hori.	43.5	6.0
296.450	34.4	QP	20.3	-16.6	38.1	145	300	Hori.	46.0	7.9
296.450	36.9	QP	20.3	-16.6	40.6	140	230	Vert.	46.0	5.4
520.230	34.2	QP	18.1	-16.4	35.9	354	100	Vert.	46.0	10.1
520.230	34.2	QP	18.1	-16.4	35.9	100	170	Hori.	46.0	10.1
664.080	26.5	QP	20.0	-15.5	31.0	120	263	Hori.	46.0	15.0
664.080	26.8	QP	20.0	-15.5	31.3	37	100	Vert.	46.0	14.7

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)

Radiated Spurious Emission (below 1GHz)

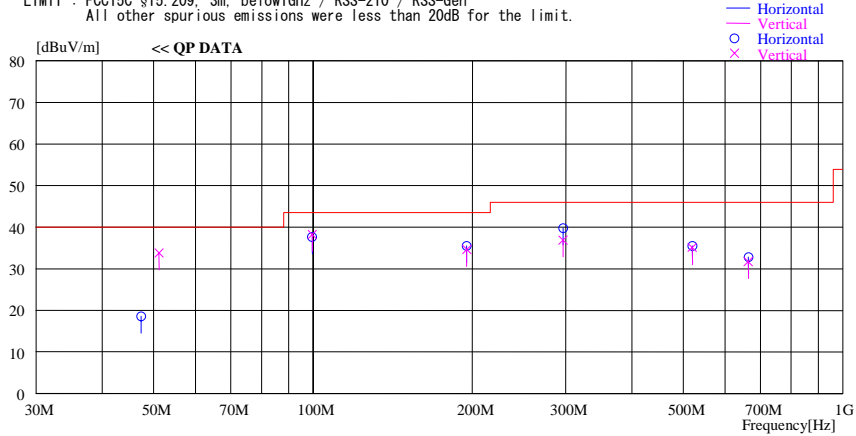
DATA OF RADIATED EMISSION TEST

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

Company : silix technology, Inc. Report No. : 26GE0351-H0
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 11a/54Mbps/5320MHz/Tx99/PN9/MAX-Axis:X(HOR),Y(VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
47.400	27.5	QP	11.4	-20.3	18.6	250	280	Hori.	40.0	21.4
51.220	43.7	QP	10.3	-20.2	33.8	23	100	Vert.	40.0	6.2
99.670	46.5	QP	10.4	-19.2	37.7	0	400	Hori.	43.5	5.8
99.670	47.0	QP	10.4	-19.2	38.2	0	100	Vert.	43.5	5.3
195.090	35.3	QP	17.0	-17.7	34.6	0	100	Vert.	43.5	8.9
195.090	36.2	QP	17.0	-17.7	35.5	0	185	Hori.	43.5	8.0
296.450	36.1	QP	20.3	-16.6	39.8	145	300	Hori.	46.0	6.2
296.450	33.2	QP	20.3	-16.6	36.9	140	230	Vert.	46.0	9.1
520.230	33.4	QP	18.1	-16.4	35.1	354	100	Vert.	46.0	10.9
520.230	33.8	QP	18.1	-16.4	35.5	100	170	Hori.	46.0	10.5
664.080	28.3	QP	20.0	-15.5	32.8	120	263	Hori.	46.0	13.2
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)

Radiated Spurious Emission (below 1GHz)

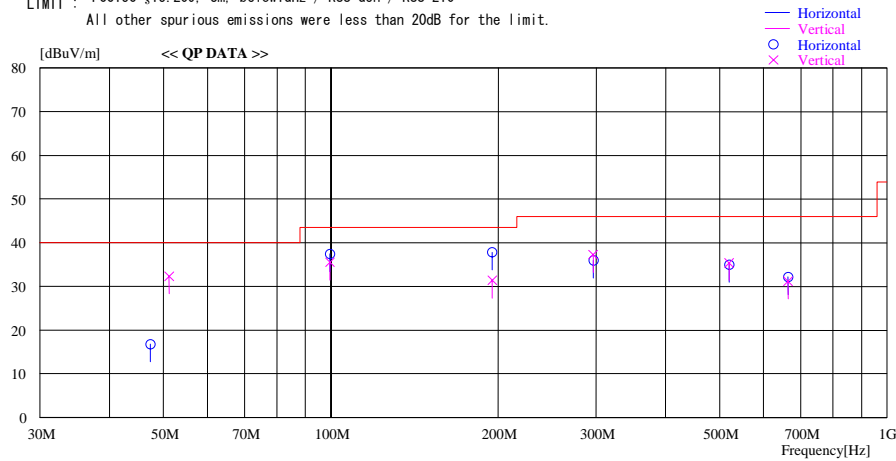
DATA OF RADIATED EMISSION TEST

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 11a/54Mbps/5240MHz/MAX-Axis:X (HOR),Y (VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-Gen / RSS-210
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
47.400	25.7	QP	11.4	-20.3	16.8	250	280	Hori.	40.0	23.2
51.220	42.2	QP	10.3	-20.2	32.3	23	100	Vert.	40.0	7.7
99.670	46.2	QP	10.4	-19.2	37.4	0	400	Hori.	43.5	6.1
99.670	44.3	QP	10.4	-19.2	35.5	0	100	Vert.	43.5	8.0
195.090	32.1	QP	17.0	-17.7	31.4	0	100	Vert.	43.5	12.1
195.090	38.5	QP	17.0	-17.7	37.8	0	185	Hori.	43.5	5.7
296.450	32.3	QP	20.3	-16.6	36.0	145	300	Hori.	46.0	10.0
296.450	33.6	QP	20.3	-16.6	37.3	140	230	Vert.	46.0	8.7
520.230	33.7	QP	18.1	-16.4	35.4	354	100	Vert.	46.0	10.6
520.230	33.3	QP	18.1	-16.4	35.0	100	170	Hori.	46.0	11.0
664.080	27.7	QP	20.0	-15.5	32.2	120	263	Hori.	46.0	13.8
664.080	26.7	QP	20.0	-15.5	31.2	37	100	Vert.	46.0	14.8

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)

Radiated Spurious Emission (below 1GHz)

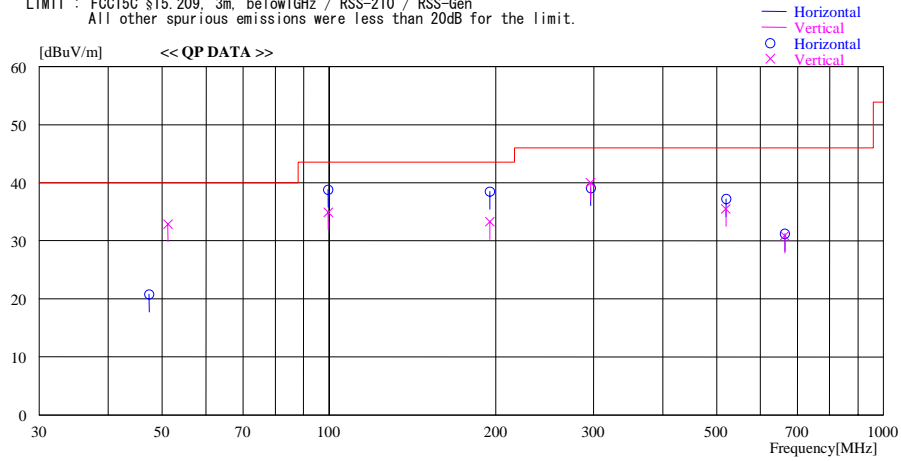
DATA OF RADIATED EMISSION TEST

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. : 25deg.C. / 60%
Serial No. : 0080923A9A00 Operator : Hiroka.Umeyama

Mode / Remarks : Transmitting 11a/54Mbps/5745MHz/Tx99/PN9/MAX-Axis:X (HOR), Y (VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
47.400	29.5	QP	11.4	-20.1	20.8	250	280	Hori.	40.0	19.2
51.220	42.6	QP	10.3	-20.0	32.9	23	100	Vert.	40.0	7.1
99.670	47.5	QP	10.4	-19.1	38.8	0	400	Hori.	43.5	4.7
99.670	43.6	QP	10.4	-19.1	34.9	0	100	Vert.	43.5	8.6
195.090	34.0	QP	17.0	-17.7	33.3	0	100	Vert.	43.5	10.2
195.090	39.2	QP	17.0	-17.7	38.5	0	185	Hori.	43.5	5.0
296.450	35.6	QP	20.3	-16.8	39.1	145	300	Hori.	46.0	6.9
296.450	36.5	QP	20.3	-16.8	40.0	140	230	Vert.	46.0	6.0
520.230	33.9	QP	18.1	-16.5	35.5	354	100	Vert.	46.0	10.5
520.230	35.6	QP	18.1	-16.5	37.2	100	170	Hori.	46.0	8.8
664.080	26.9	QP	20.0	-15.7	31.2	120	263	Hori.	46.0	14.8
664.080	26.6	QP	20.0	-15.7	30.9	37	100	Vert.	46.0	15.1

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)

Radiated Spurious Emission (below 1GHz)

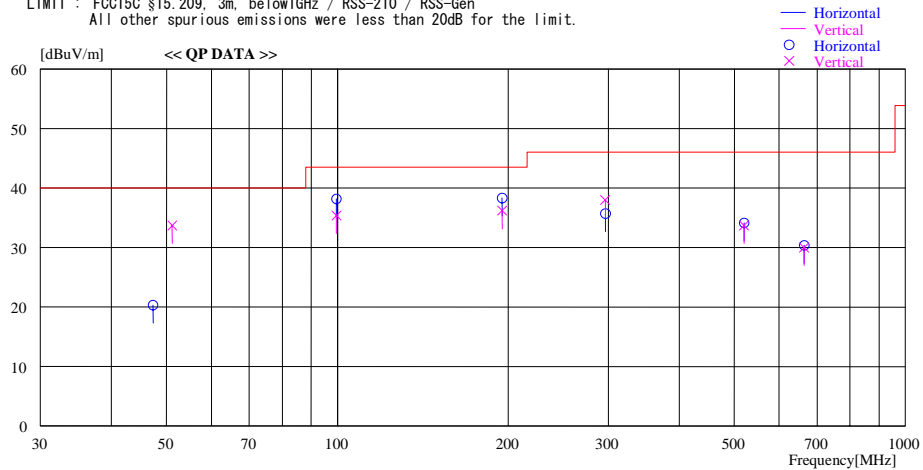
DATA OF RADIATED EMISSION TEST

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. : 25deg. C. / 60%
 Serial No. : 0080923A9A00 Operator : Hiroka. Umeyama

Mode / Remarks : Transmitting 11a/54Mbps/5765MHz/Tx99/PN9/MAX-Axis:X(HOR).Y(VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
 All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
47.400	29.0	QP	11.4	-20.1	20.3	250	280	Hori.	40.0	19.7
51.220	43.4	QP	10.3	-20.0	33.7	23	100	Vert.	40.0	6.3
99.670	46.9	QP	10.4	-19.1	38.2	0	400	Hori.	43.5	5.3
99.670	44.1	QP	10.4	-19.1	35.4	0	100	Vert.	43.5	8.1
195.090	36.9	QP	17.0	-17.7	36.2	0	100	Vert.	43.5	7.3
195.090	39.0	QP	17.0	-17.7	38.3	0	185	Hori.	43.5	5.2
296.450	32.2	QP	20.3	-16.8	35.7	145	300	Hori.	46.0	10.3
296.450	34.5	QP	20.3	-16.8	38.0	140	230	Vert.	46.0	8.0
520.230	32.1	QP	18.1	-16.5	33.7	354	100	Vert.	46.0	12.3
520.230	32.5	QP	18.1	-16.5	34.1	100	170	Hori.	46.0	11.9
664.080	26.1	QP	20.0	-15.7	30.4	120	263	Hori.	46.0	15.6
664.080	25.7	QP	20.0	-15.7	30.0	37	100	Vert.	46.0	16.0

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)

Radiated Spurious Emission (below 1GHz)

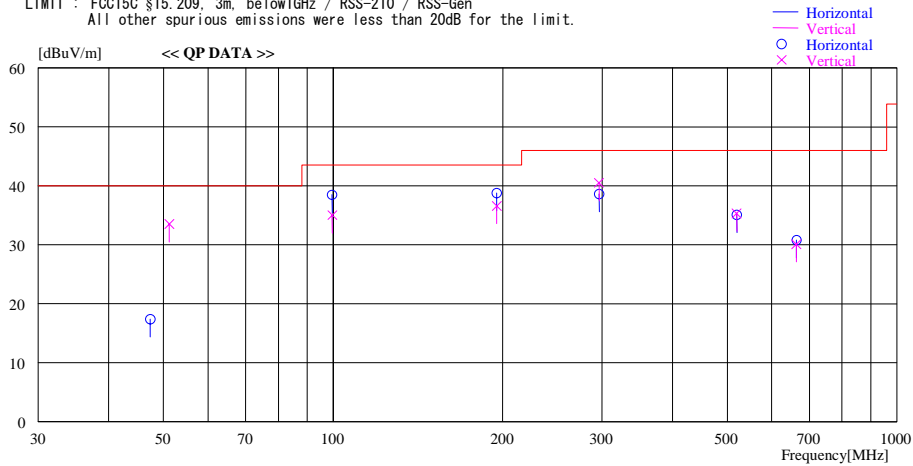
DATA OF RADIATED EMISSION TEST

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. : 25deg. C. / 60%
Serial No. : 0080923A9A00 Operator : Hiroka. Uneyama

Mode / Remarks : Transmitting 11a/54Mbps/5805MHz/Tx99/PN9/MAX-Axis:X(HOR), Y(VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
47.400	26.1	QP	11.4	-20.1	17.4	250	280	Hori.	40.0	22.6
51.220	43.2	QP	10.3	-20.0	33.5	23	100	Vert.	40.0	6.5
99.670	47.2	QP	10.4	-19.1	38.5	0	400	Hori.	43.5	5.0
99.670	43.7	QP	10.4	-19.1	35.0	0	100	Vert.	43.5	8.5
195.090	37.3	QP	17.0	-17.7	36.6	0	100	Vert.	43.5	6.9
195.090	39.5	QP	17.0	-17.7	38.8	0	185	Hori.	43.5	4.7
296.450	35.1	QP	20.3	-16.8	38.6	145	300	Hori.	46.0	7.4
296.450	37.0	QP	20.3	-16.8	40.5	140	230	Vert.	46.0	5.5
520.230	33.7	QP	18.1	-16.5	35.3	354	100	Vert.	46.0	10.7
520.230	33.5	QP	18.1	-16.5	35.1	100	170	Hori.	46.0	10.9
664.080	26.5	QP	20.0	-15.7	30.8	120	263	Hori.	46.0	15.2
664.080	25.8	QP	20.0	-15.7	30.1	37	100	Vert.	46.0	15.9

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)

Radiated Spurious Emission (below 1GHz)

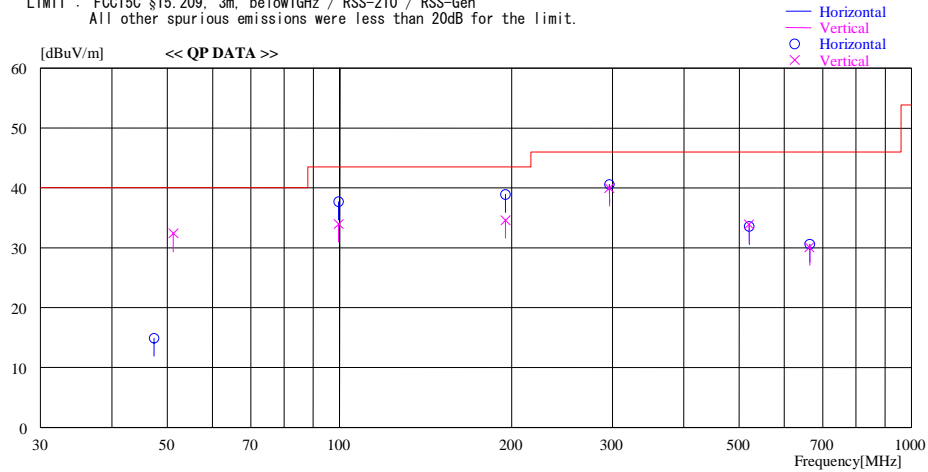
DATA OF RADIATED EMISSION TEST

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. : 25deg. C. / 60%
Serial No. : 0080923A9A00 Operator : Hiroka. Umeyama

Mode / Remarks : Receiving 11a/54Mbps/5765MHz//MAX-Axis:X (HOR), Y (VER)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
All other spurious emissions were less than 20dB for the limit.



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	23.6	QP	11.4	-20.1	14.9	250	280	Hori.	40.0	25.1
51.220	42.1	QP	10.3	-20.0	32.4	23	100	Vert.	40.0	7.6
99.670	46.4	QP	10.4	-19.1	37.7	0	400	Hori.	43.5	5.8
99.670	42.7	QP	10.4	-19.1	34.0	0	100	Vert.	43.5	9.5
195.090	35.3	QP	17.0	-17.7	34.6	0	100	Vert.	43.5	8.9
195.090	39.6	QP	17.0	-17.7	38.9	0	185	Hori.	43.5	4.6
296.450	37.1	QP	20.3	-16.8	40.6	145	300	Hori.	46.0	5.4
296.450	36.5	QP	20.3	-16.8	40.0	140	230	Vert.	46.0	6.0
520.230	32.3	QP	18.1	-16.5	33.9	354	100	Vert.	46.0	12.1
520.230	32.0	QP	18.1	-16.5	33.6	100	170	Hori.	46.0	12.4
664.080	26.3	QP	20.0	-15.7	30.6	120	263	Hori.	46.0	15.4
664.080	25.8	QP	20.0	-15.7	30.1	37	100	Vert.	46.0	15.9

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)

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11a / 54Mbps / CH34: 5180MHz)

REGULATION : Fcc Part15 Subpart C 15.209
TEST DISTANCE : 3m / 1m
DATE : 04/27/2006 : 05/17/2006
TEMPERATURE : 21deg.C : 22deg.C
HUMIDITY : 39% : 42%
ENGINEER : Hiroka Umeyama : 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	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3454.0	52.2	53.3	33.4	36.4	2.8	0.0	52.0	53.1	74.0	22.0	20.9
2	6909.6	42.7	47.2	41.9	35.9	4.2	0.0	52.9	57.4	74.0	21.1	16.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	15540.0	55.2	60.0	49.1	35.3	6.5	0.7	66.7	71.5	74.0	7.3	2.5
4	20720.0	59.3	58.2	39.4	30.8	7.1	0.0	65.5	64.4	74.0	8.5	9.6

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	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3454.0	48.9	50.6	33.4	36.4	2.8	0.0	48.7	50.4	54.0	5.3	3.6
2	6909.6	29.8	40.4	41.9	35.9	4.2	0.0	40.0	50.6	54.0	14.0	3.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	15540.0	40.8	42.0	49.1	35.3	6.5	0.7	52.3	53.5	54.0	1.7	0.5
4	20720.0	41.1	41.8	39.4	30.8	7.1	0.0	47.3	48.0	54.0	6.7	6.0

*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.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : 0080923A9A00
POWER : DC3.3V
MODE : Transmitting (11a / 54Mbps / CH149: 5745MHz)

REGULATION : Fcc Part15 Subpart C 15.209
TEST DISTANCE : 3m / 1m
DATE : 06/19/2006
TEMPERATURE : 24deg.C
HUMIDITY : 60%
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	3830.0	55.7	55.4	34.8	36.0	3.2	0.0	57.7	57.4	74.0	16.3	16.6
2	5033.0	55.2	50.5	36.2	35.8	3.5	0.0	59.1	54.4	74.0	14.9	19.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11490.0	61.4	61.9	46.4	36.1	5.3	0.2	67.7	68.2	74.0	6.3	5.8
4	22980.0	48.8	47.9	40.3	34.6	8.0	0.0	53.0	52.1	74.0	21.0	21.9

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	3830.0	51.5	51.5	34.8	36.0	3.2	0.0	53.5	53.5	54.0	0.5	0.5
2	5033.0	41.9	35.7	36.2	35.8	3.5	0.0	45.8	39.6	54.0	8.2	14.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11490.0	47.3	47.4	46.4	36.1	5.3	0.2	53.6	53.7	54.0	0.4	0.3
4	22980.0	35.8	39.5	40.3	34.6	8.0	0.0	40.0	43.7	54.0	14.0	10.3

- *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 fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : 0080923A9A00
POWER : DC3.3V
MODE : Transmitting (11a / 54Mbps / CH153: 5765MHz)

REGULATION : Fcc Part15 Subpart C 15.209
TEST DISTANCE : 3m / 1m
DATE : 06/19/2006
TEMPERATURE : 24deg.C
HUMIDITY : 60%
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	3843.0	57.1	54.8	34.8	36.0	3.2	0.0	59.1	56.8	74.0	14.9	17.2
2	5440.0	57.3	55.6	37.8	35.6	3.6	0.0	63.1	61.4	74.0	10.9	12.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11530.0	63.5	62.7	46.4	36.2	5.2	0.2	69.6	68.8	74.0	4.4	5.2
4	23060.0	47.2	49.0	40.3	34.5	8.0	0.0	51.5	53.3	74.0	22.5	20.7

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	3843.0	51.4	51.1	34.8	36.0	3.2	0.0	53.4	53.1	54.0	0.6	0.9
2	5440.0	47.5	45.8	37.8	35.6	3.6	0.0	53.3	51.6	54.0	0.7	2.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	11530.0	47.2	47.7	46.4	36.2	5.2	0.2	53.3	53.8	54.0	0.7	0.2
4	23060.0	35.3	38.3	40.3	34.5	8.0	0.0	39.6	42.6	54.0	14.4	11.4

*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 fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber
REGULATION : Fcc Part15 Subpart B / RSS-210 / RSS-Gen
TEST DISTANCE : 3/1/0.5m
DATE : 06/19/2006
TEMPERATURE : 24deg.C
HUMIDITY : 60%
ENGINEER : Hiroka Umeyama

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : 0080923A9A00
POWER : DC3.3V
MODE : Receiving (11a / 54Mbps / CH153: 5765MHz)

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 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
1	34470.0	54.3	54.8	45.1	25.1	5.9	0.0	64.6	65.1	74.0	9.4	8.9

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 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
1	34470.0	41.2	41.2	45.1	25.1	5.9	0.0	51.5	51.5	54.0	2.5	2.5

*1) Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.56 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.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)

***Conversion formula was used.**

		UL Apex Co., Ltd.	
		Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber	
COMPANY	: silex technology, Inc.	REGULATION	: Fcc Part15 Subpart E 15.407
EQUIPMENT	: MiniPCI Wireless LAN Board	TEST DISTANCE	: 3m / 1m
MODEL	: SX-10WAG	DATE	: 04/27/2006 : 05/17/2006
SAMPLE NO.	: ES0002	TEMPERATURE	: 21deg.C : 22deg.C
POWER	: DC3.3V	HUMIDITY	: 39% : 42%
MODE	: Transmitting (11a / 54Mbps / CH36: 5180MHz)	ENGINEER	: Hiroka Umeyama : Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	10360.00	64.8	67.4	-30.4	-27.8	-27.0	3.4	0.8
2	25900.00	56.7	56.0	-38.5	-39.2	-27.0	11.5	12.2
3	31080.00	55.0	55.2	-40.2	-40.0	-27.0	13.2	13.0
4	36260.00	65.4	65.9	-29.8	-29.3	-27.0	2.8	2.3

Result(EIRP[dBm])=10*LOG((Electric Field Strength [V/m] * Distance:3[m]) ^ 2) / 30)

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

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

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***Conversion formula was used.**

		UL Apex Co., Ltd.	
		Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber	
COMPANY	: silex technology, Inc.	REGULATION	: Fcc Part15 Subpart E 15.407
EQUIPMENT	: MiniPCI Wireless LAN Board	TEST DISTANCE	: 3m / 1m
MODEL	: SX-10WAG	DATE	: 04/27/2006 : 05/17/2006
SAMPLE NO.	: ES0002	TEMPERATURE	: 21deg.C : 22deg.C
POWER	: DC3.3V	HUMIDITY	: 39% : 42%
MODE	: Transmitting (11a / 54Mbps / CH48: 5240MHz)	ENGINEER	: Hiroka Umeyama : Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	10480.00	59.8	64.1	-35.4	-31.1	-27.0	8.4	4.1
2	26200.00	55.7	54.5	-39.5	-40.7	-27.0	12.5	13.7
3	36680.00	65.8	65.8	-29.4	-29.4	-27.0	2.4	2.4

Result(EIRP[dBm])=10*LOG((Electric Field Strength [V/m] * Distance:3[m]) ^ 2) / 30)

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
 *Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***Conversion formula was used.**

		UL Apex Co., Ltd.	
		Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber	
COMPANY	: silex technology, Inc.	REGULATION	: Fcc Part15 Subpart E 15.407
EQUIPMENT	: MiniPCI Wireless LAN Board	TEST DISTANCE	: 3m / 1m
MODEL	: SX-10WAG	DATE	: 04/27/2006 : 05/17/2006
SAMPLE NO.	: ES0002	TEMPERATURE	: 21deg.C : 22deg.C
POWER	: DC3.3V	HUMIDITY	: 39% : 42%
MODE	: Transmitting (11a / 54Mbps / CH64: 5320MHz)	ENGINEER	: Hiroka Umeyama : Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	26600.00	52.9	52.6	-42.3	-42.6	-27.0	15.3	15.6
2	31920.00	56.9	57.4	-38.3	-37.8	-27.0	11.3	10.8
3	37240.00	64.8	65.5	-30.4	-29.7	-27.0	3.4	2.7

Result(EIRP[dBm])=10*LOG({ (Electric Field Strength [V/m] * Distance:3[m]) ^ 2 } / 30)

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

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

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***Conversion formula was used.**

COMPANY	: silex technology, Inc.	UL Apex Co., Ltd.	Head Office EMC Lab. No.1 Semi Anechoic Chamber
EQUIPMENT	: MiniPCI Wireless LAN Board	REGULATION	: Fcc Part15 Subpart C 15.209
MODEL	: SX-10WAG	TEST DISTANCE	: 3m / 1m
SAMPLE NO.	: 0080923A9A00	DATE	: 06/19/2006
POWER	: DC3.3V	TEMPERATURE	: 24deg.C
MODE	: Transmitting (11a / 54Mbps / CH149: 5745MHz)	HUMIDITY	: 60%
		ENGINEER	: Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	17235.00	67.7	67.0	-27.5	-28.2	-27.0	0.5	1.2
2	28725.00	65.3	65.5	-29.9	-29.7	-27.0	2.9	2.7
3	34470.00	66.4	66.3	-28.8	-28.9	-27.0	1.8	1.9

Result(EIRP[dBm])=10*LOG({ (Electric Field Strength [V/m] * Distance:3[m]) ^ 2 } / 30)

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

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

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***Conversion formula was used.**

COMPANY	: silex technology, Inc.	UL Apex Co., Ltd.
EQUIPMENT	: MiniPCI Wireless LAN Board	Head Office EMC Lab. No.1 Semi Anechoic Chamber
MODEL	: SX-10WAG	REGULATION
SAMPLE NO.	: 0080923A9A00	: Fcc Part15 Subpart C 15.209
POWER	: DC3.3V	TEST DISTANCE
MODE	: Transmitting (11a / 54Mbps / CH153: 5765MHz)	: 3m / 1m
		DATE
		: 06/19/2006
		TEMPERATURE
		: 24deg.C
		HUMIDITY
		: 60%
		ENGINEER
		: Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	17295.00	65.4	66.9	-29.8	-28.3	-27.0	2.8	1.3
2	28825.00	65.2	64.9	-30.0	-30.3	-27.0	3.0	3.3
3	34590.00	65.8	65.1	-29.4	-30.1	-27.0	2.4	3.1

Result(EIRP[dBm])=10*LOG((Electric Field Strength [V/m] * Distance:3[m]) ^ 2) / 30)

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***Conversion formula was used.**

		UL Apex Co., Ltd.	
		Head Office EMC Lab. No.1 Semi Anechoic Chamber	
COMPANY	: silex technology, Inc.	REGULATION	: Fcc Part15 Subpart C 15.209
EQUIPMENT	: MiniPCI Wireless LAN Board	TEST DISTANCE	: 3m / 1m
MODEL	: SX-10WAG	DATE	: 06/19/2006
SAMPLE NO.	: 0080923A9A00	TEMPERATURE	: 24deg.C
POWER	: DC3.3V	HUMIDITY	: 60%
MODE	: Transmitting (11a / 54Mbps / CH161: 5805MHz)	ENGINEER	: Hiroka Umeyama

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	17415.00	67.9	65.9	-27.3	-29.3	-27.0	0.3	2.3
2	23220.00	52.4	42.9	-42.8	-52.3	-27.0	15.8	25.3
3	29025.00	64.4	65.0	-30.8	-30.2	-27.0	3.8	3.2
4	34830.00	66.4	66.3	-28.8	-28.9	-27.0	1.8	1.9

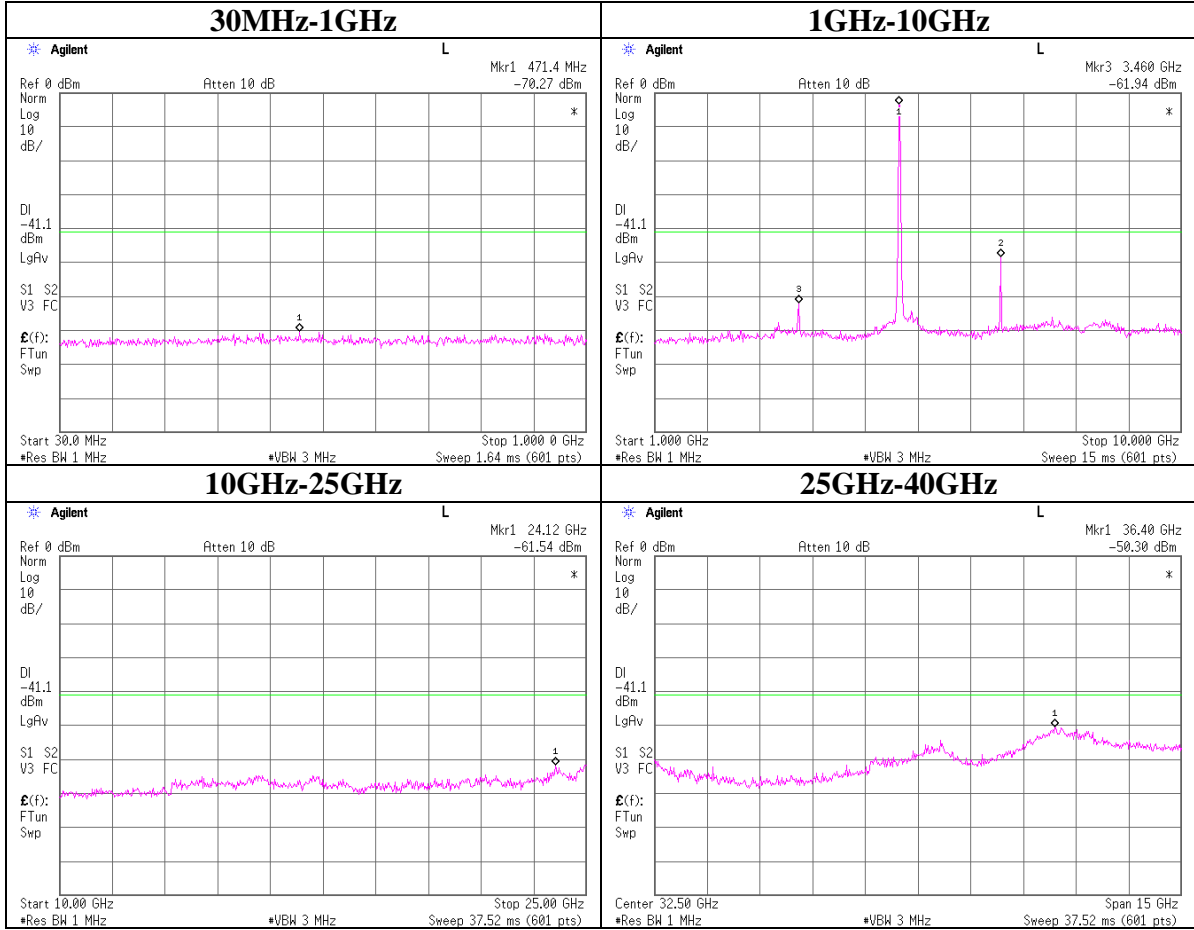
Result(EIRP[dBm])=10*LOG((Electric Field Strength [V/m] * Distance:3[m]) ^ 2) / 30)

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

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

Conducted Spurious Emission

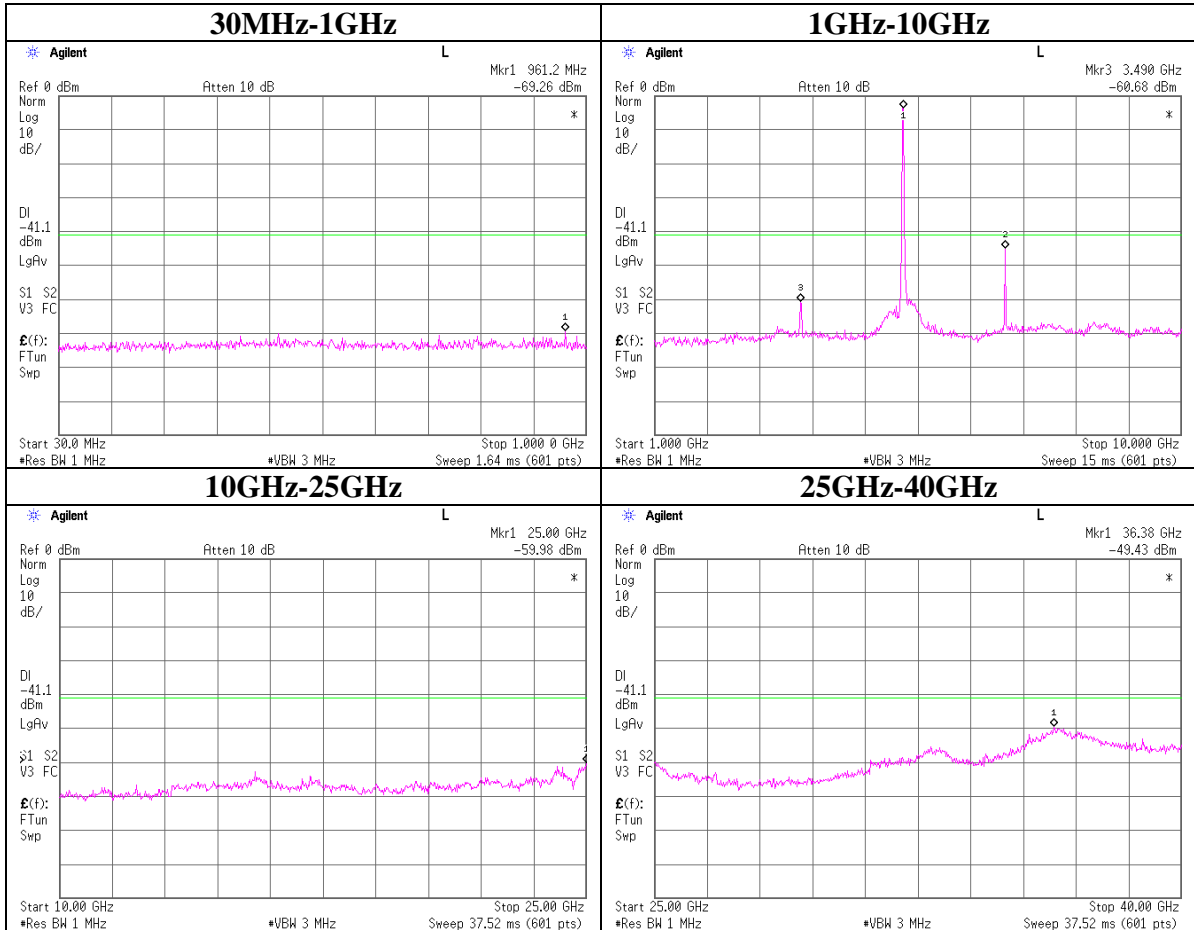
54Mbps Antenna:A
Ch: 36



Conducted Spurious Emission

54Mbps Antenna:A

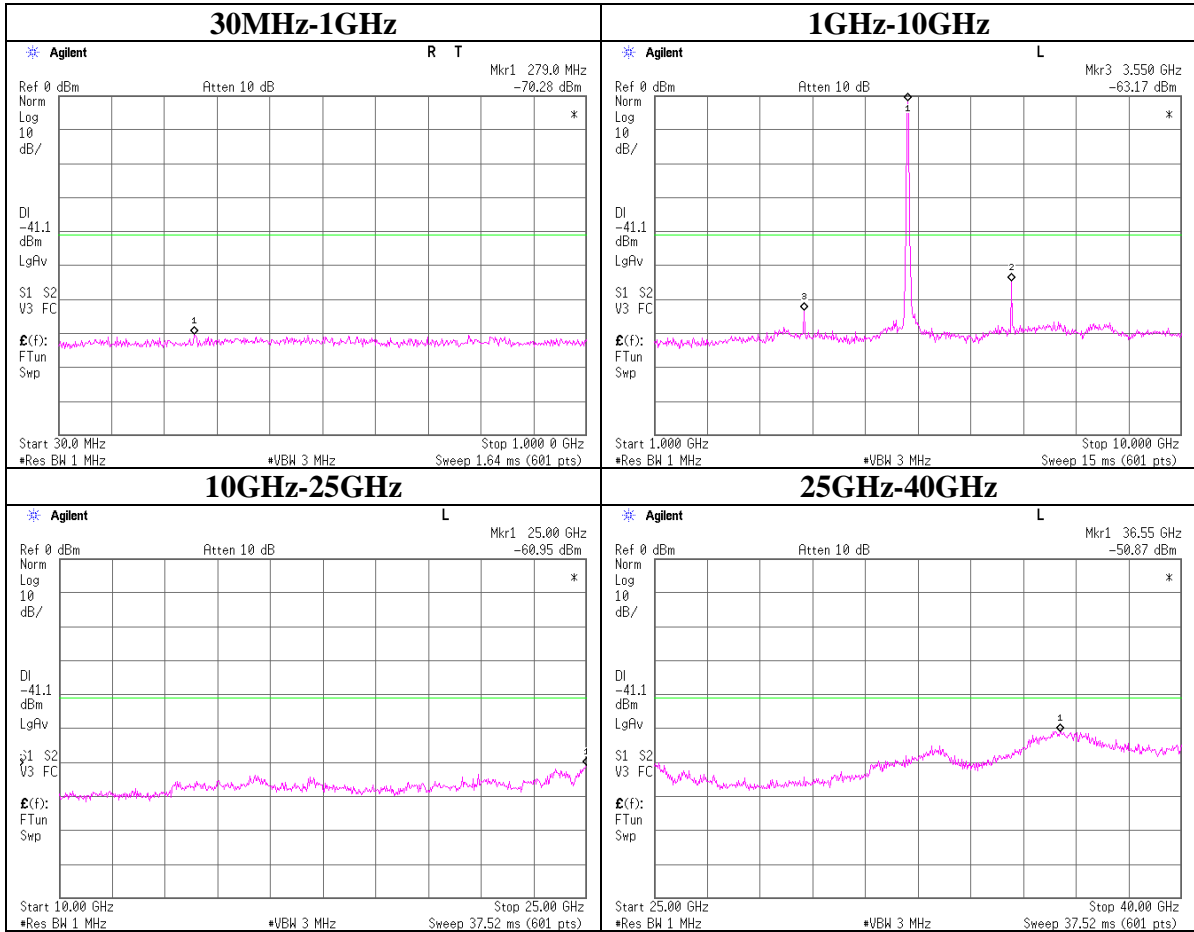
Ch: 48



Conducted Spurious Emission

54Mbps Antenna:A

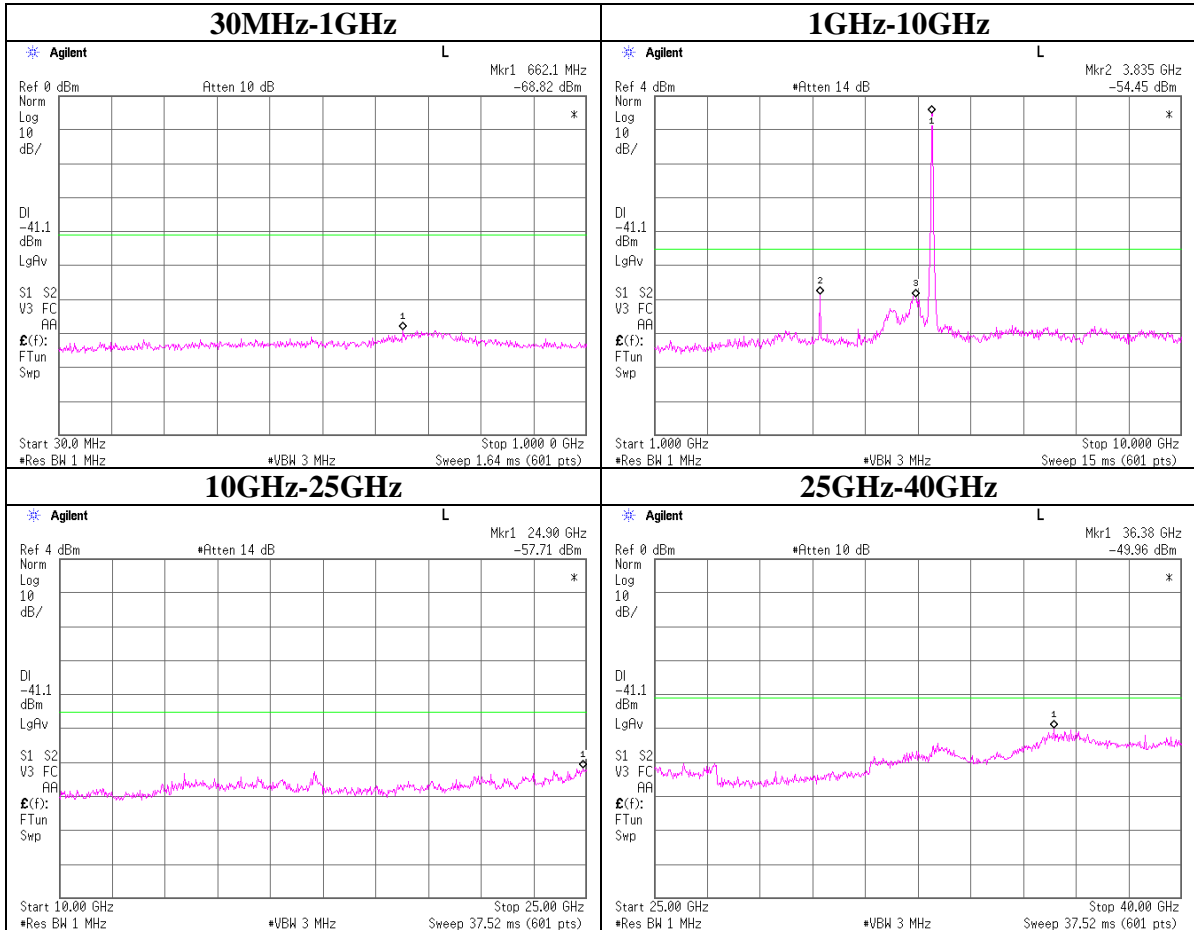
Ch: 64



Conducted Spurious Emission

54Mbps Antenna:A

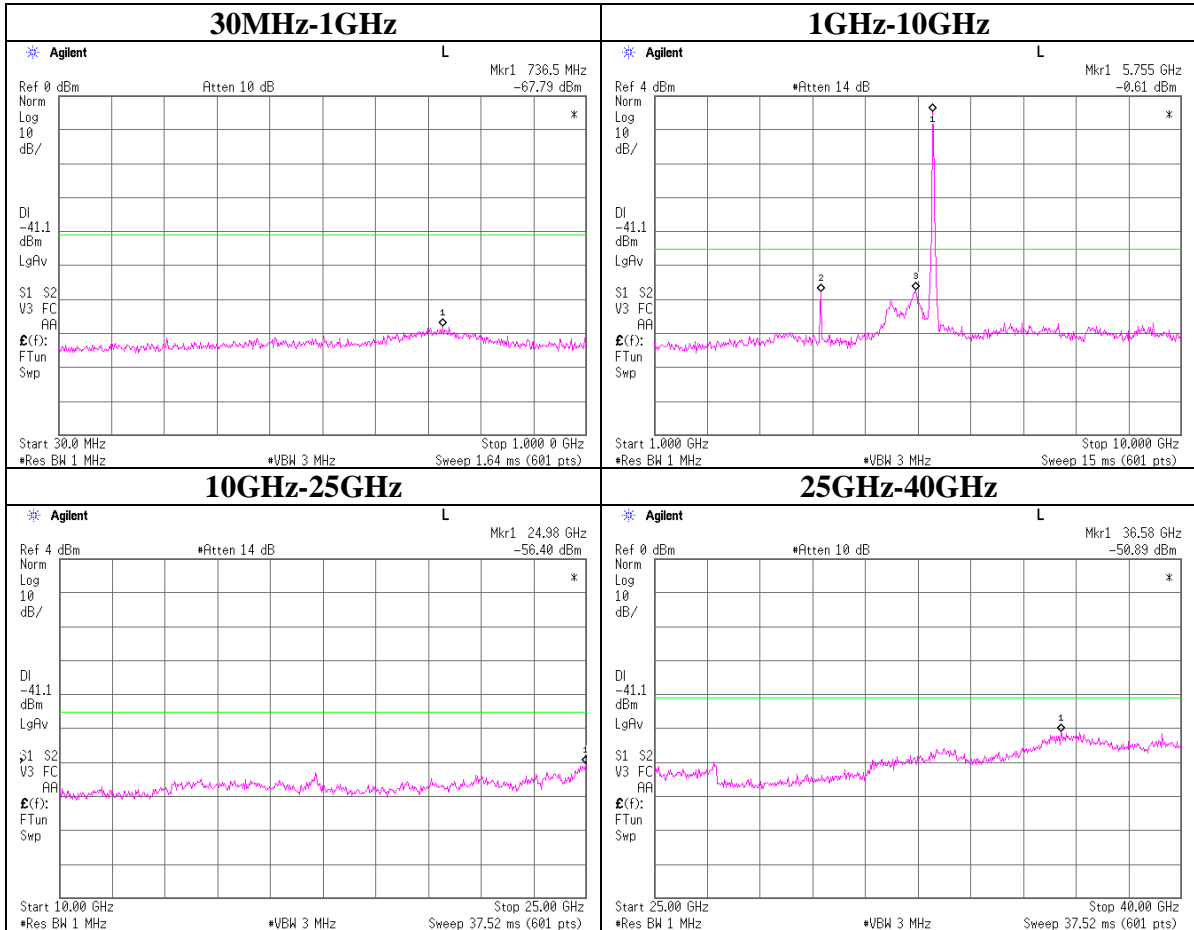
Ch: 149



Conducted Spurious Emission

54Mbps Antenna:A

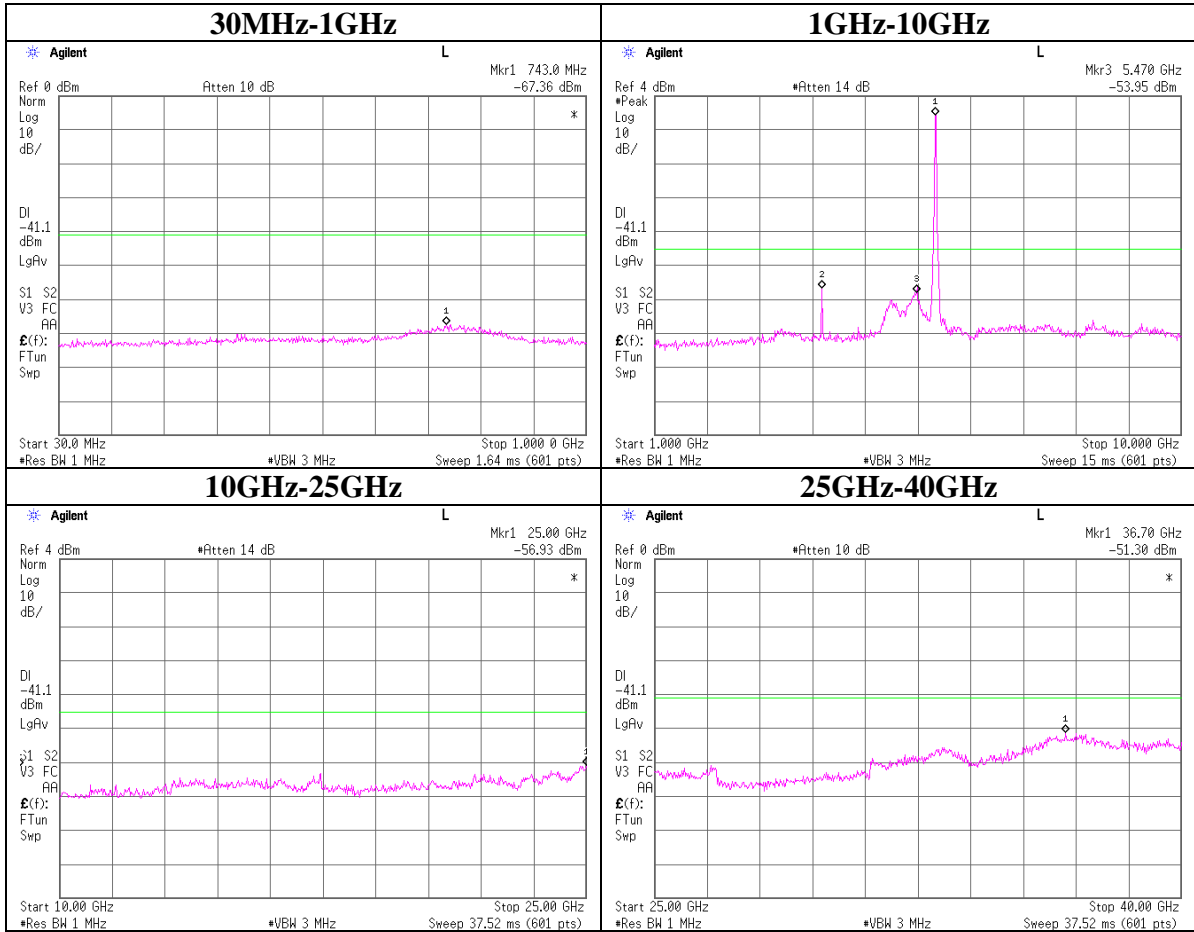
Ch: 153



Conducted Spurious Emission

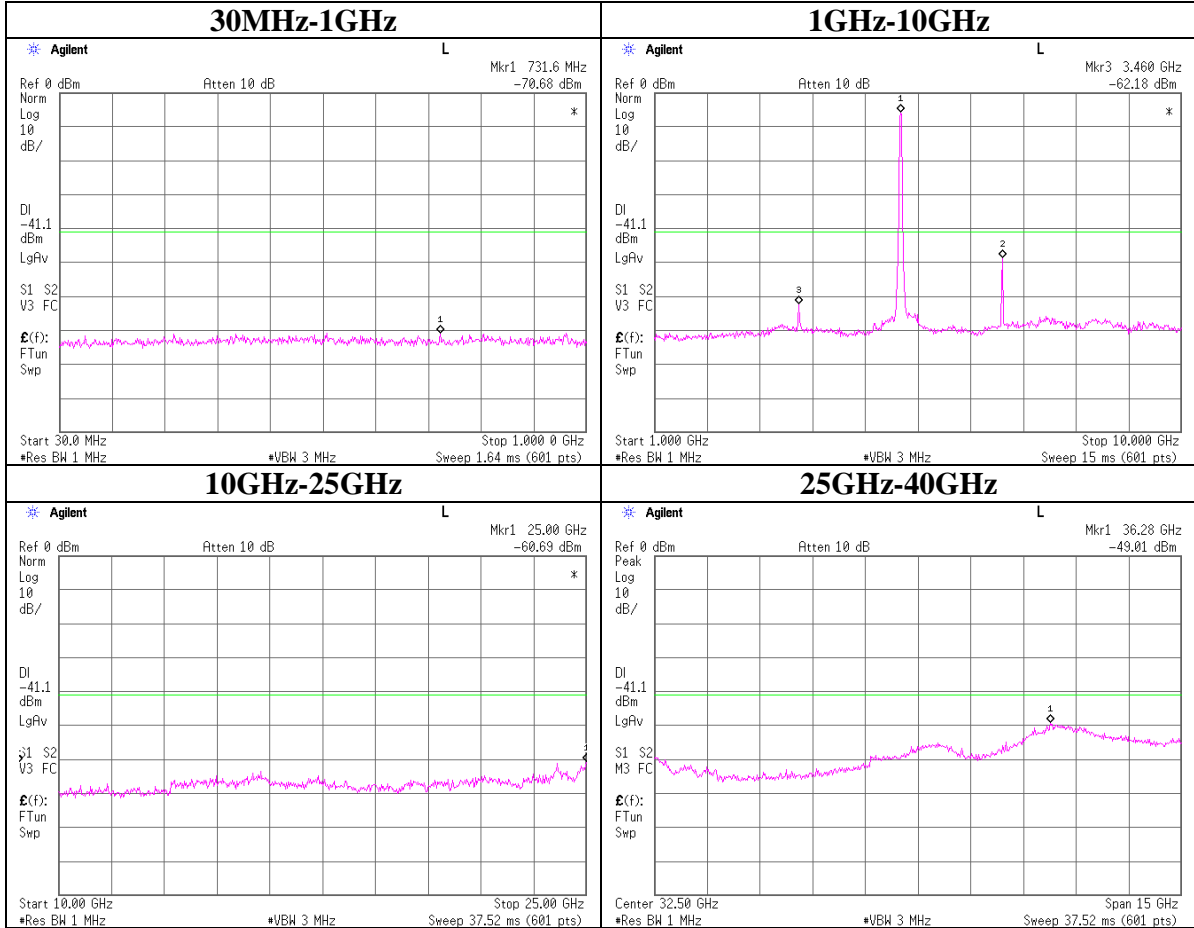
54Mbps Antenna:A

Ch: 161



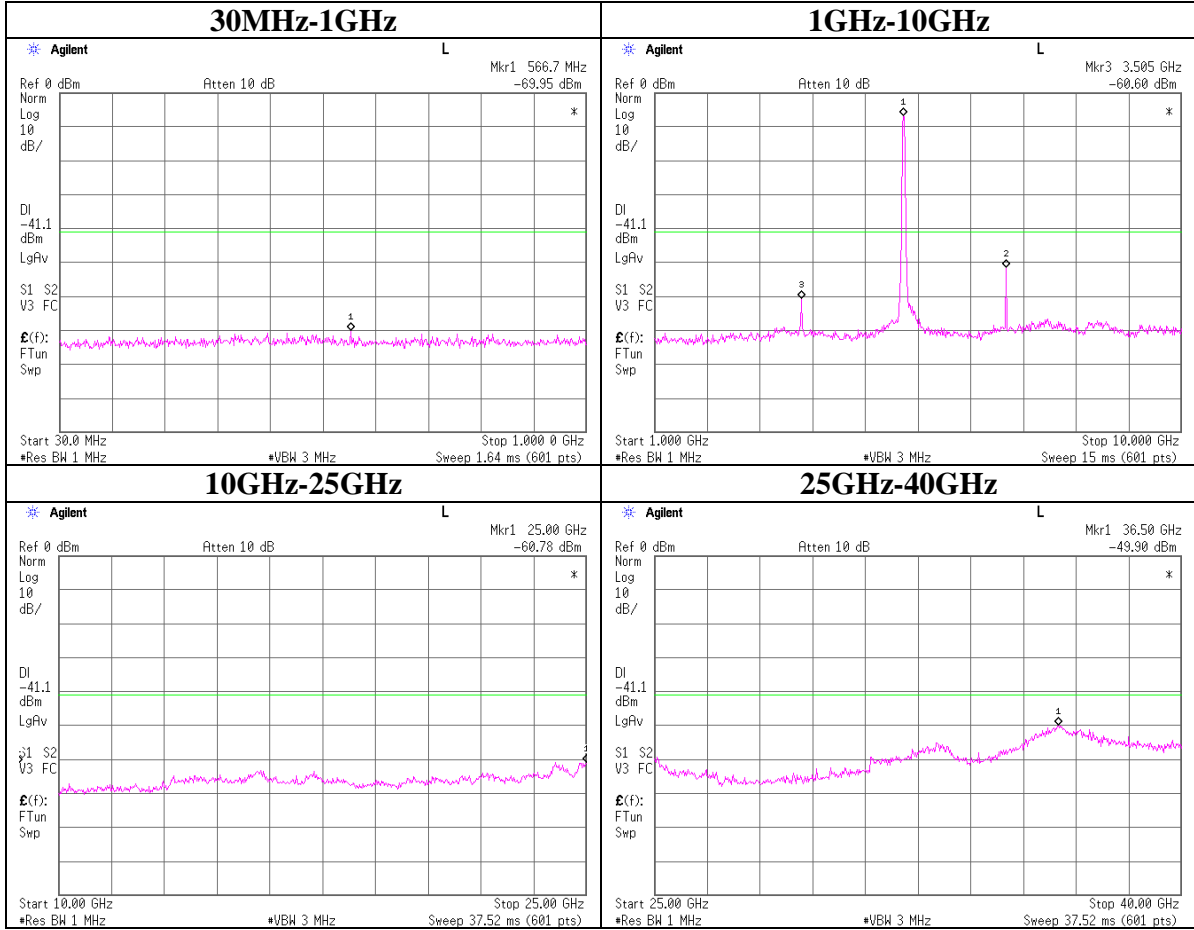
Conducted Spurious Emission

Turbo Mode 108Mbps Antenna:A
Ch: 40



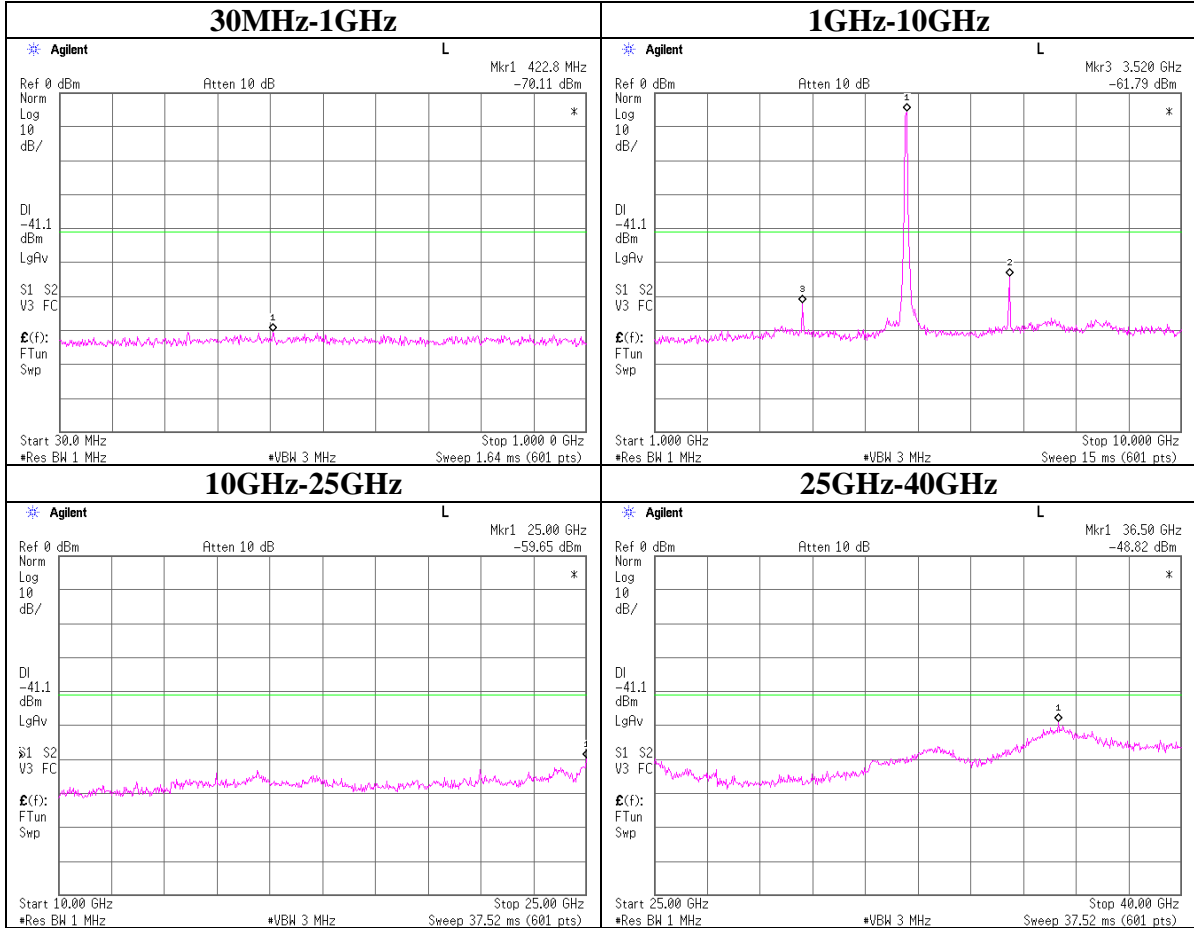
Conducted Spurious Emission

Turbo Mode 108Mbps Antenna:A
Ch: 50



Conducted Spurious Emission

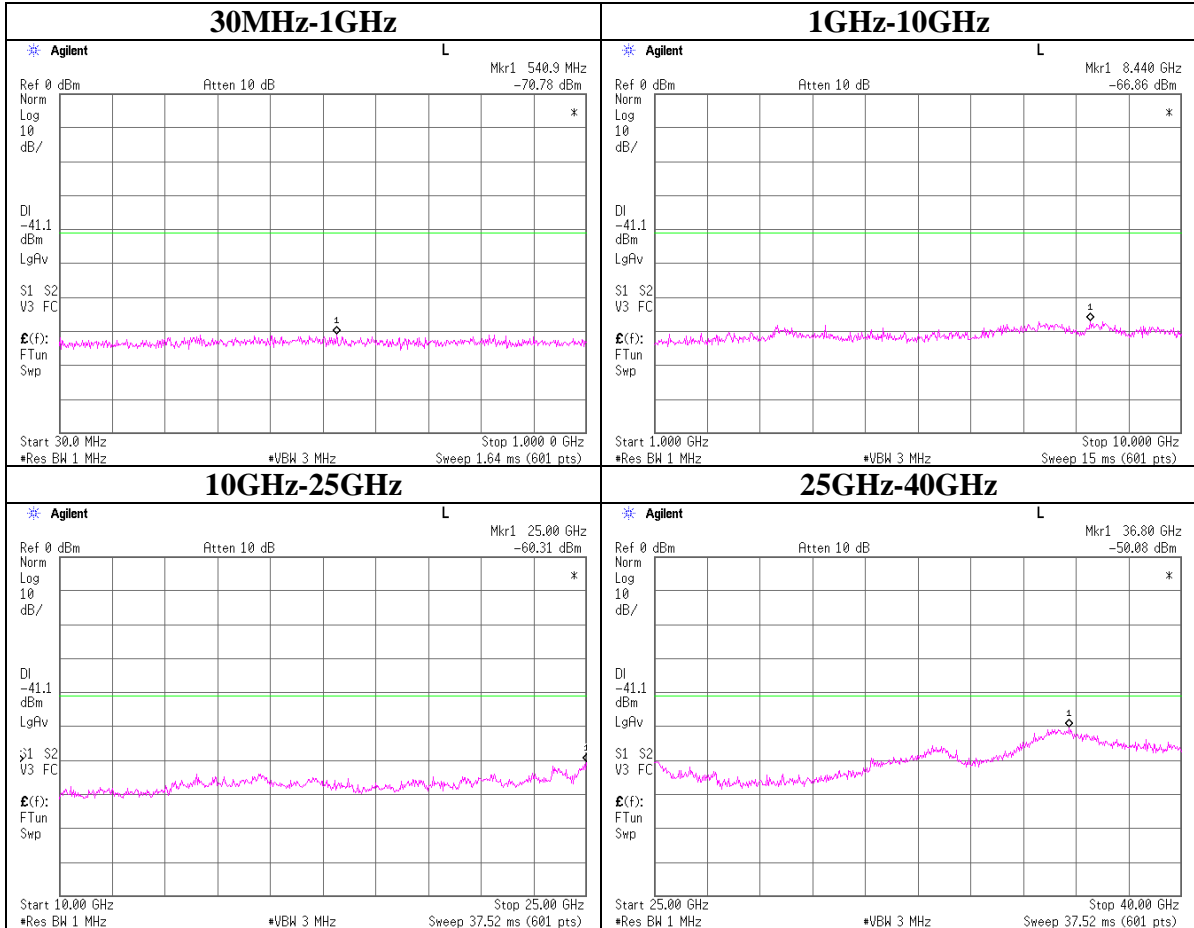
Turbo Mode 108Mbps Antenna:A
Ch: 58



Conducted Spurious Emission

Antenna:A

Rx



Radiated emission Band Edge compliance
54Mbps Antenna:A

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
SAMPLE NO. : ES0002
POWER : DC3.3V
MODE : Transmitting (11a / 54Mbps / CH34: 5180MHz)

REGULATION : Fcc Part15 Subpart E 15.407
TEST DISTANCE : 3m / 1m
DATE : 04/27/2006
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	5150.0	48.7	48.5	37.3	35.8	3.6	0.0	53.8	53.6	74.0	20.2	20.4
2	5350.0	62.0	54.4	38.2	35.7	3.3	0.0	67.8	60.2	74.0	6.2	13.8

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	5150.0	35.9	34.6	37.3	35.8	3.6	0.0	41.0	39.7	54.0	13.0	14.3
2	5350.0	42.8	39.3	38.2	35.7	3.3	0.0	48.6	45.1	54.0	5.4	8.9

*1) In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*2) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. Semi Anechoic Chamber : No1

COMPANY : silex technology, Inc.
EQUIPMENT : MiniPCI Wireless LAN Board
MODEL : SX-10WAG
S/N : 0080923A9A00
POWER : DC3.3V
MODE : Tx 5745/5805 MHz
POSITION : H: X-axis / V: Y-axis
TX ANTENNA HIGH : 0.8m
11a, 54Mbps

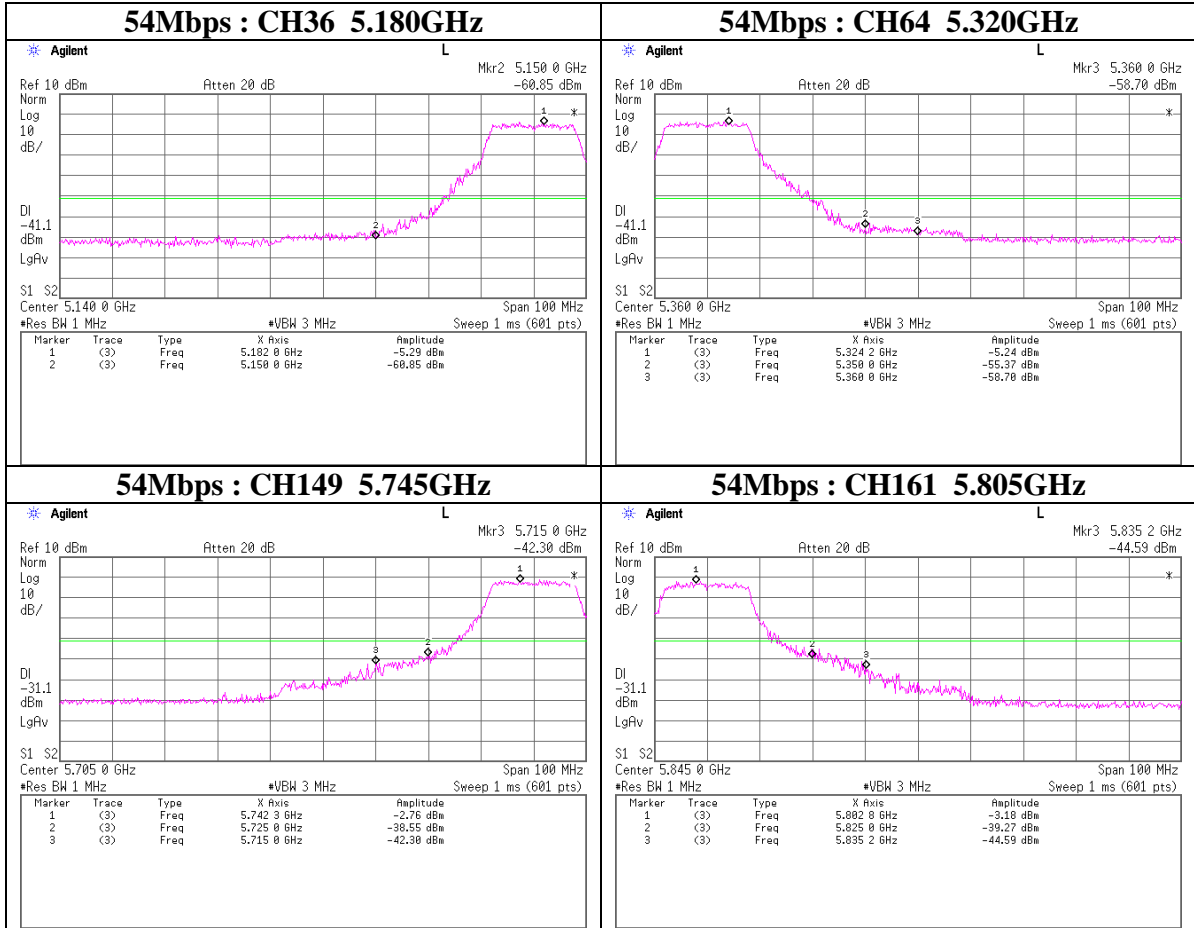
REPORT NO : 26GE0351-HO
REGULATION : FCC15.407
TEST DISTANCE : 3m
DATE : 06/19/2006
TEMPERATURE : 24 deg.C.
HUMIDITY : 60%
ENGINEER : Hiroka Umeyama

No.	FREQUENCY [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode
		HOR	VER	HOR	VER		HOR	VER	
1	5715.00	67.7	63.0	-38.5	-43.2	-27.0	11.5	16.2	Operating
2	5725.00	72.9	70.0	-33.3	-36.2	-17.0	16.3	19.2	Operating
3	5825.00	76.7	76.0	-29.5	-30.2	-17.0	12.5	13.2	Operating
4	5835.00	73.5	72.6	-32.7	-33.6	-27.0	5.7	6.6	Operating

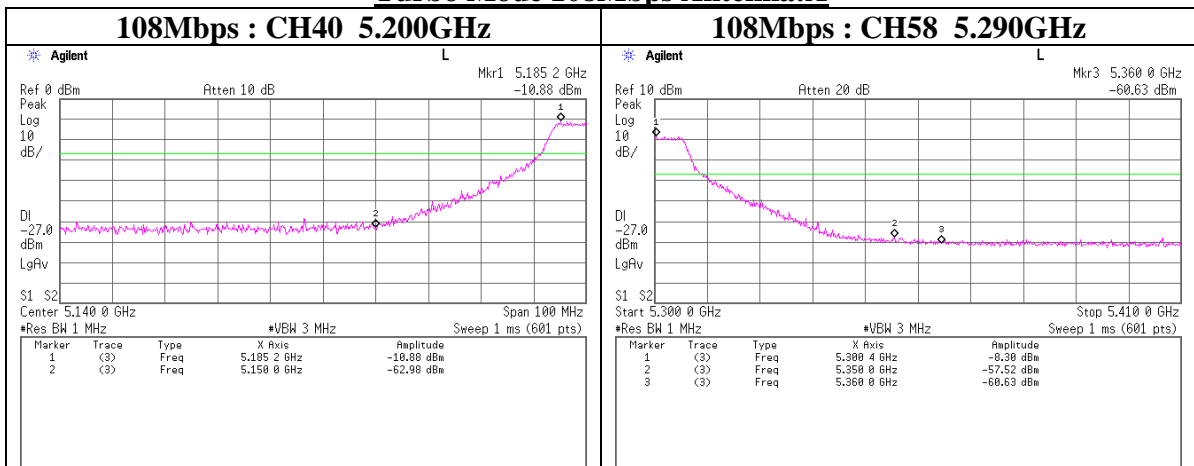
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-12.75GHz)
Tx-ANTENNA : Dipole Antenna(30-1000MHz), Horn Antenna(1-12.75GHz)

Conducted emission Band Edge compliance

54Mbps Antenna:A



Turbo Mode 108Mbps Antenna:A



Peak Power Spectral Density

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

Company	: silex technology, Inc.	REPORT NO	: 26GE0351-HO
Equipment	: MiniPCI Wireless LAN Board	REGULATION	: FCC 15.407(a)(1)(2)(3)
Model	: SX-10WAG	TEST DISTANCE	: -
Sample No.	: ES0002 and 0080923A9A00	DATE	: 05/17/2006 and 06/14/2006
Power	: DC3.3V	TEMPERATURE	: 23deg.C and 25deg.C
Mode	: Tx IEEE 802.11a	HUMIDITY	: 62% and 54%
Antenna	: A	ENGINEER	: Hiroka Umeyama
Rate	: 54Mbps		

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-14.31	4.1	10.0	-0.2	4.0	4.2
48	5240.0	-13.71	4.1	10.0	0.4	4.0	3.6
64	5320.0	-14.73	4.1	10.0	-0.6	11.0	11.6
149	5745.0	-12.94	4.1	10.0	1.2	17.0	15.8
153	5765.0	-13.60	4.1	10.0	0.5	17.0	16.5
161	5805.0	-13.49	4.1	10.0	0.6	17.0	16.4

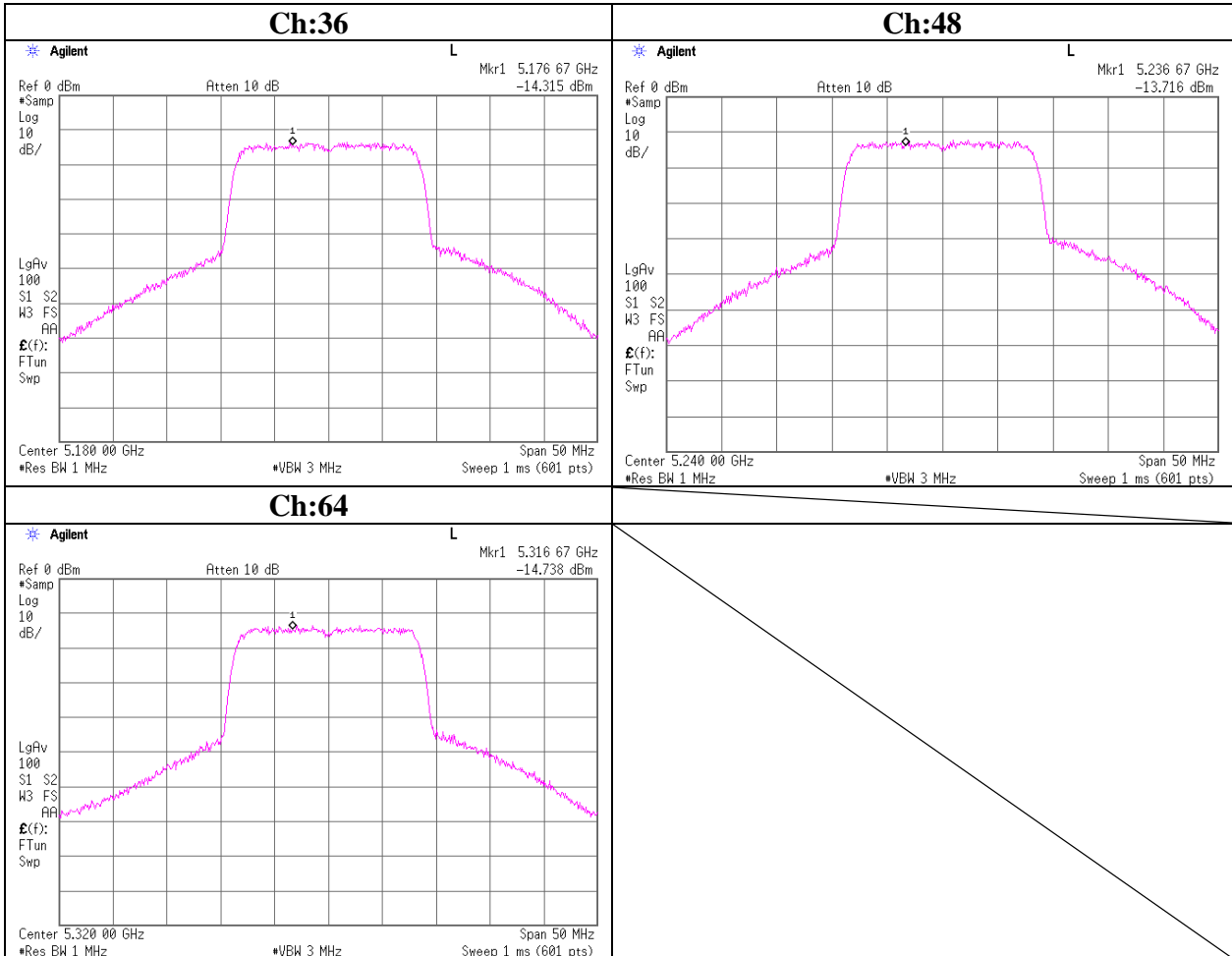
Sample Calculation:

Result = Reading + Cable Loss + Attenuator

* Atten. was not used for factor 0.0dB of the above table.

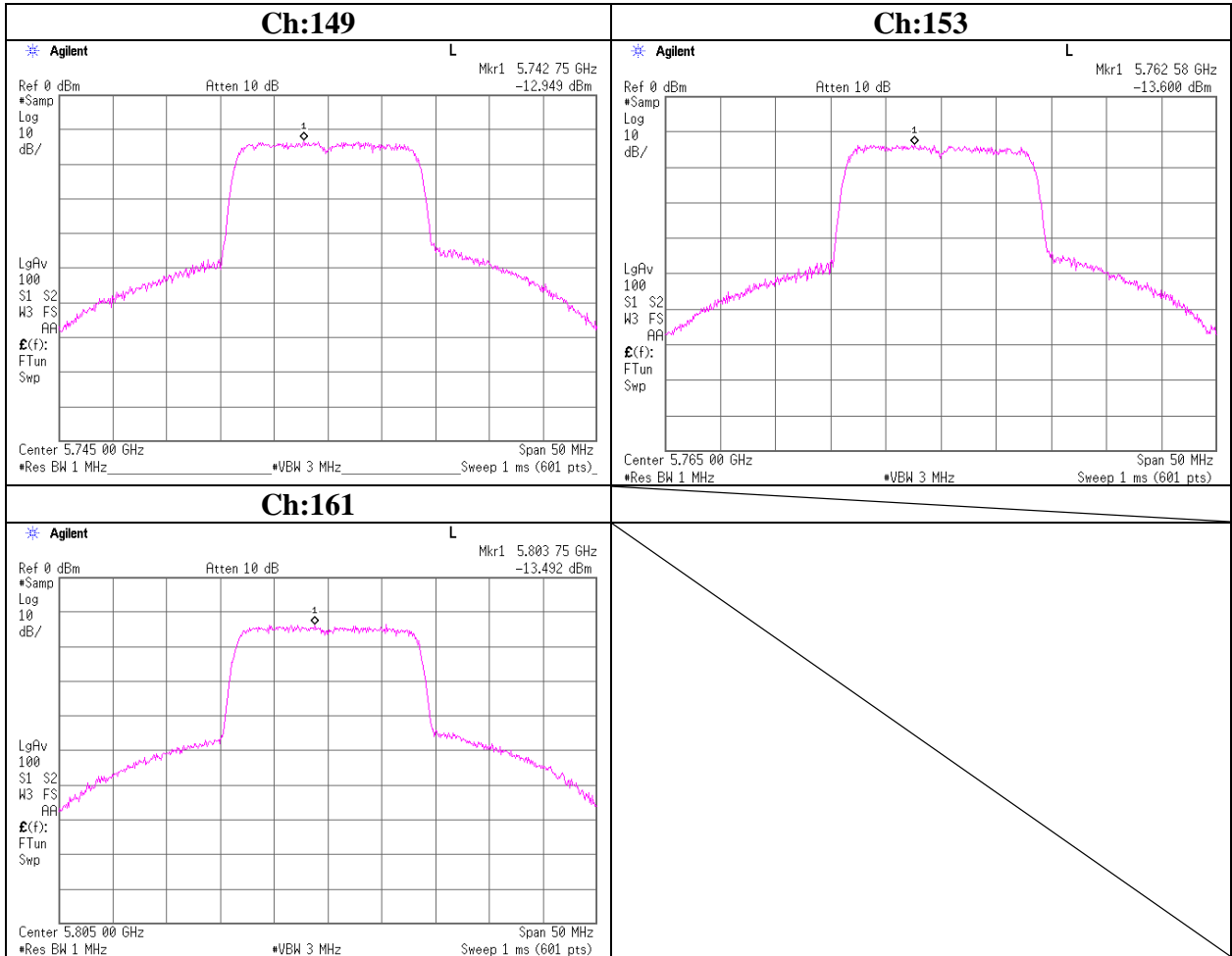
Peak Power Spectral Density

54Mbps Antenna:A



Peak Power Spectral Density

54Mbps Antenna:A



Peak Excursion Ratio

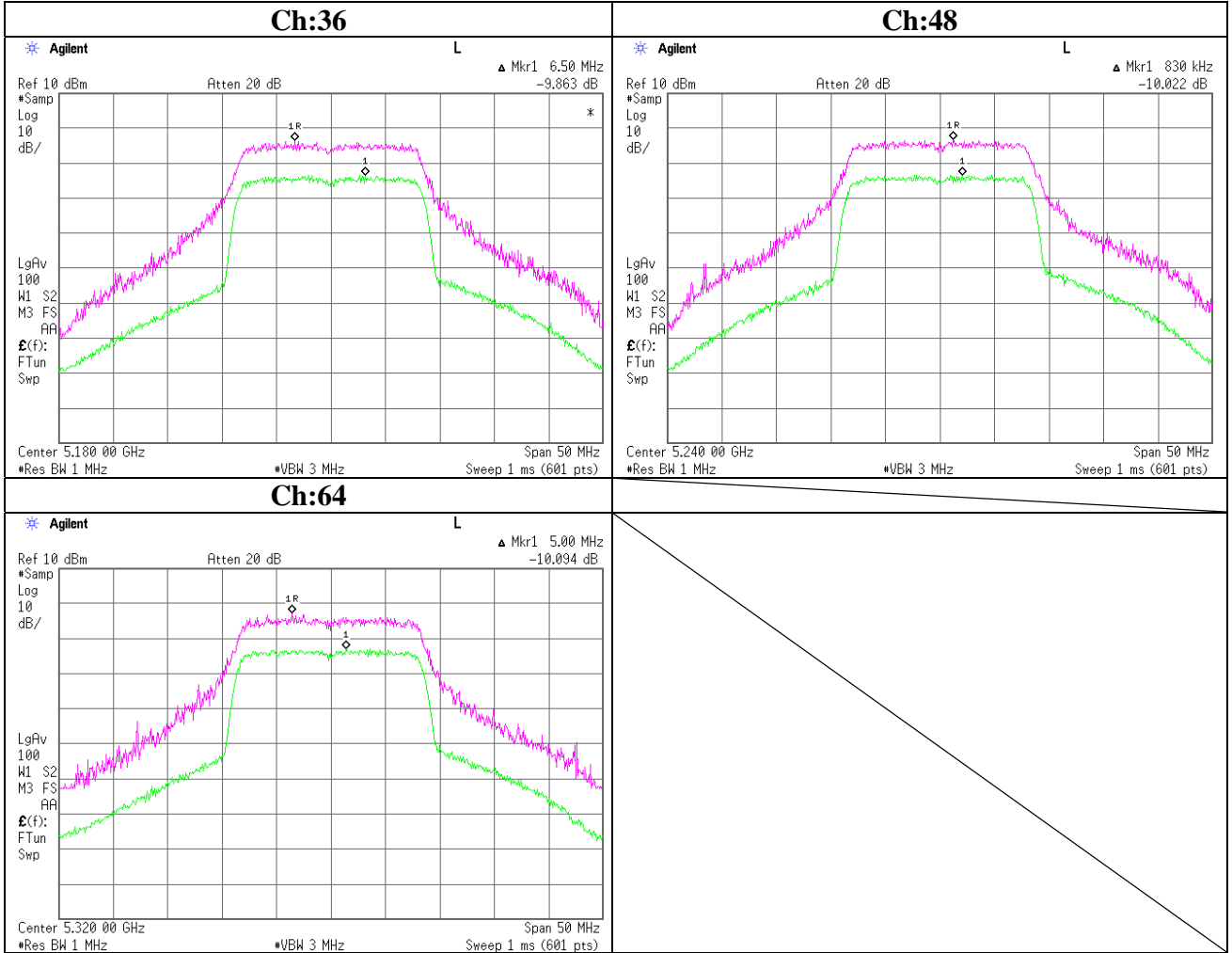
UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Measurement Room

Company : silex technology, Inc.
Equipment : MiniPCI Wireless LAN Board
Model : SX-10WAG
Sample No. : ES0002 and 0080923A9A00
Power : DC3.3V
Mode : Tx IEEE 802.11a
Antenna : A
Rate : 54Mbps

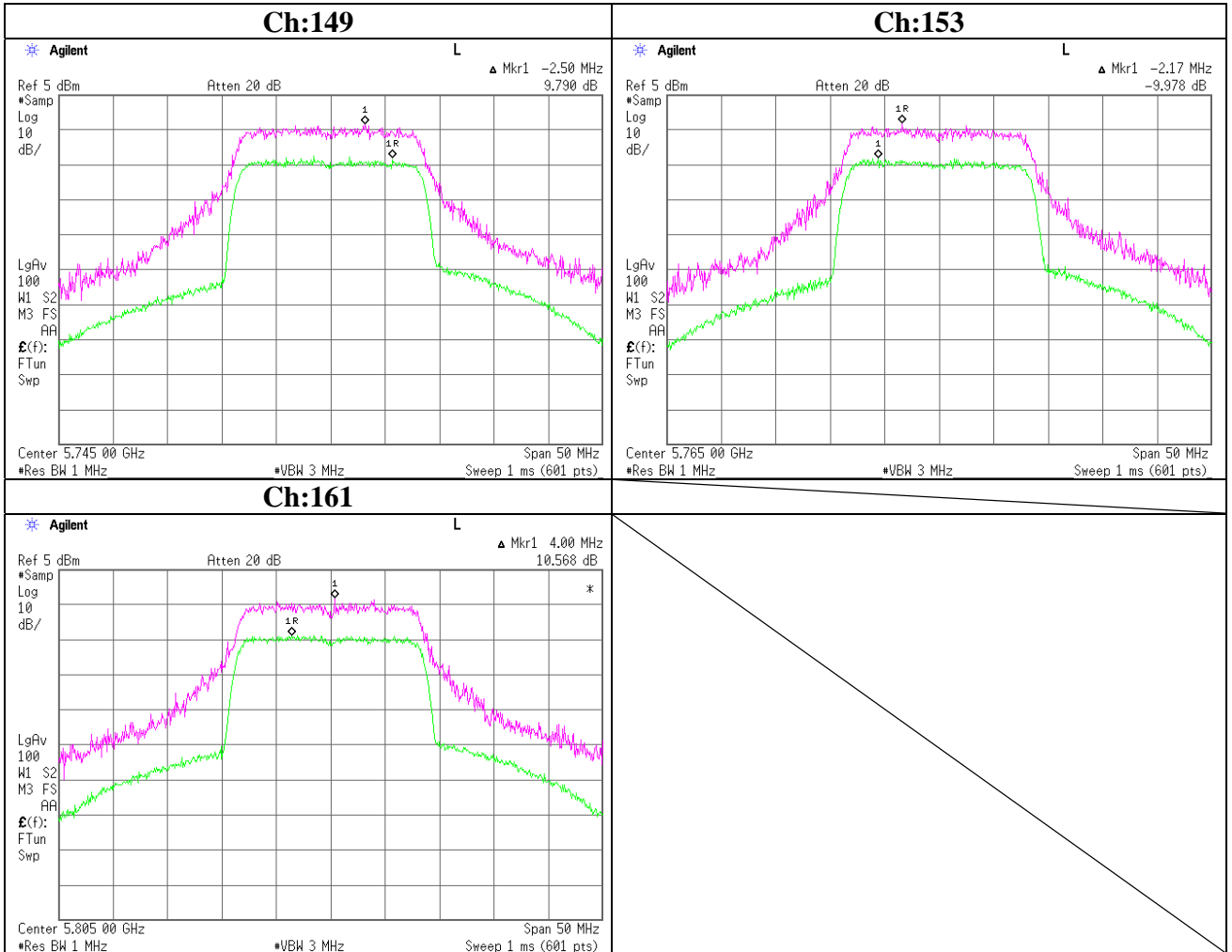
REPORT NO : 26GE0351-HO
REGULATION : FCC 15.407(a)(6)
TEST DISTANCE : -
DATE : 05/17/2006 and 06/14/2006
TEMPERATURE : 23deg.C and 25deg.C
HUMIDITY : 62% and 54%
ENGINEER : Hiroka Umeyama

Ch	Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
36	5180.0	9.863	13.0
48	5240.0	10.022	13.0
64	5320.0	10.094	13.0
149	5745.0	9.790	13.0
153	5765.0	9.978	13.0
161	5805.0	10.568	13.0

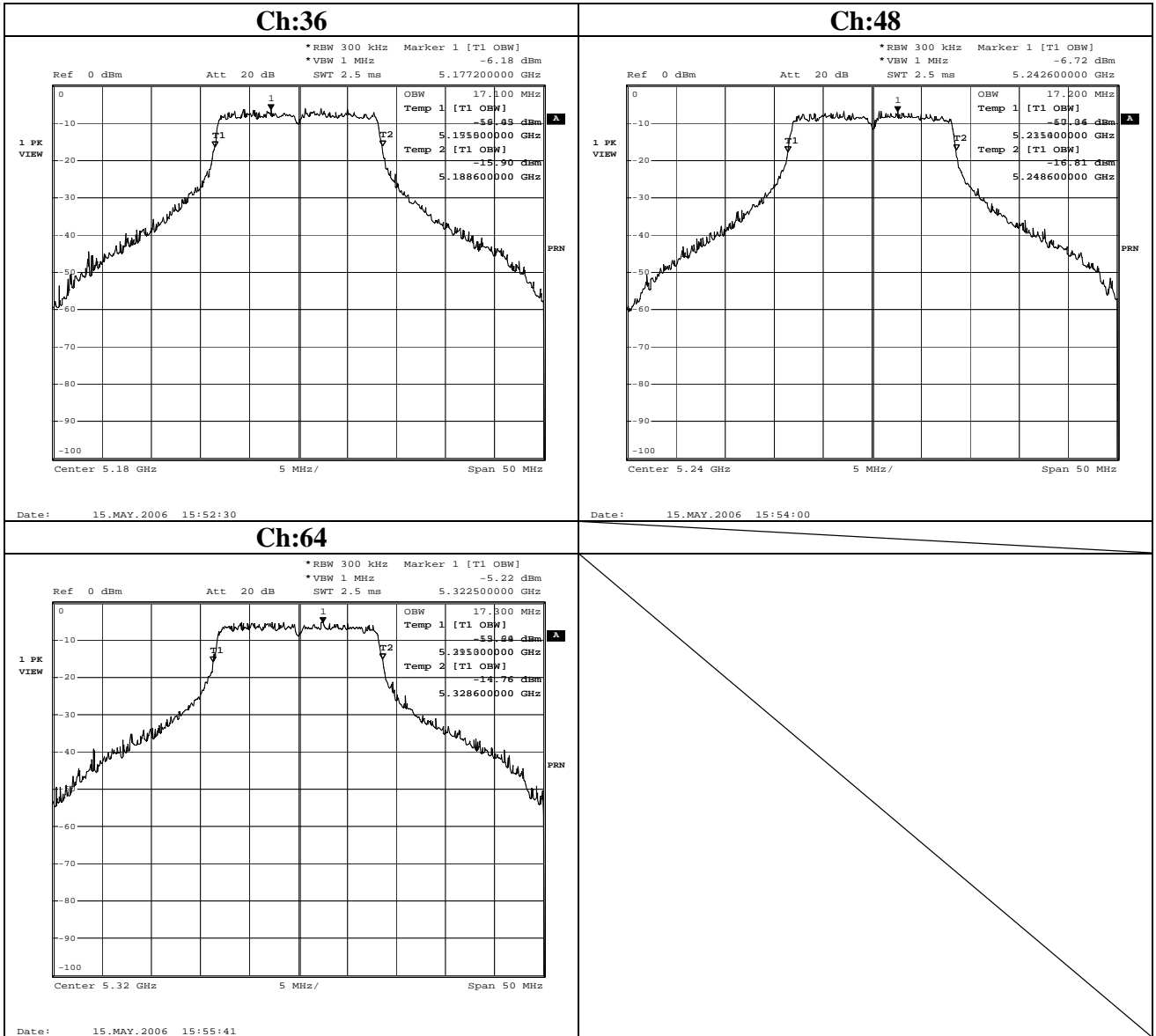
Peak Excursion Ratio
54Mbps Antenna:A



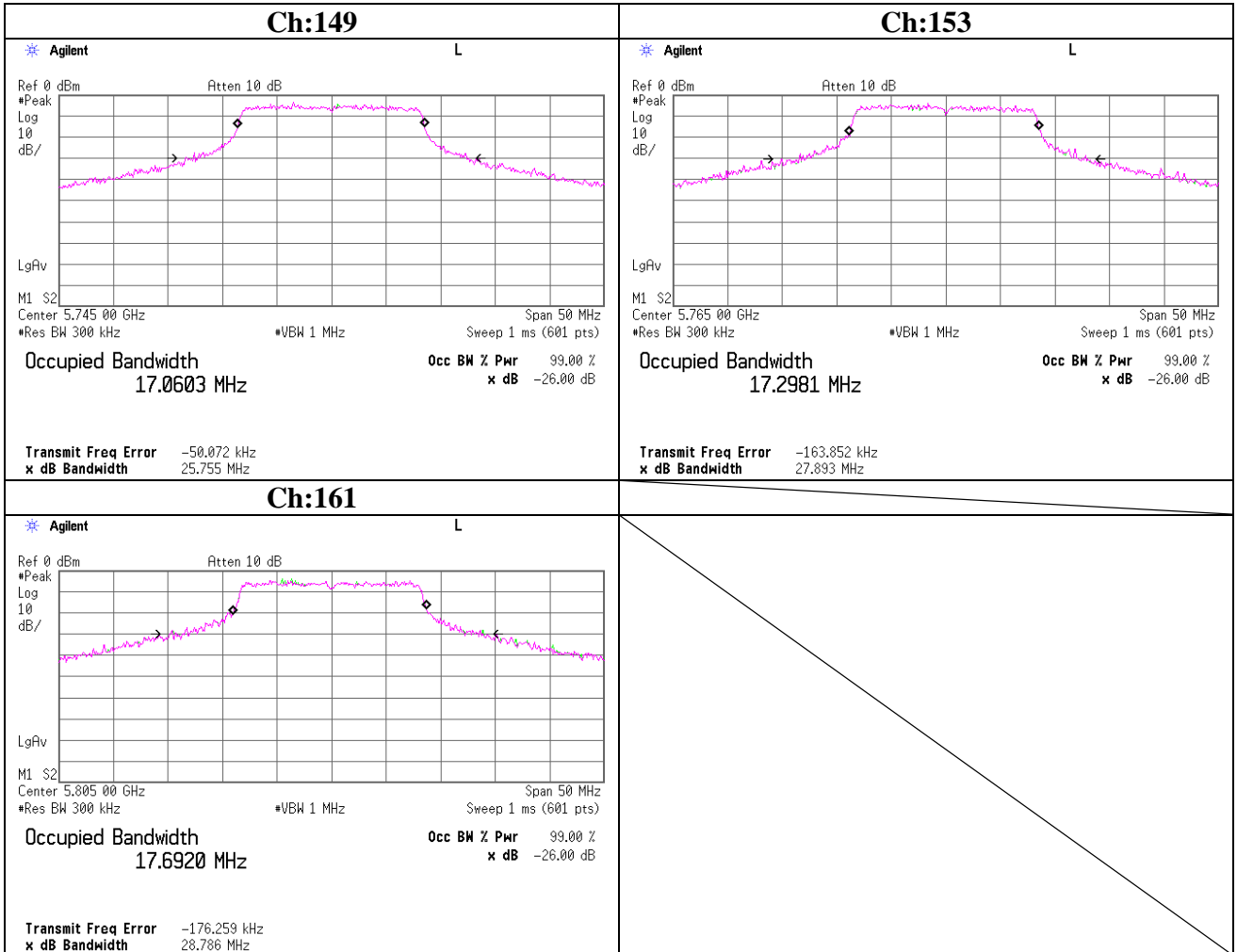
Peak Excursion Ratio
54Mbps Antenna:A



99% Occupied Bandwidth
54Mbps Antenna:A



99% Occupied Bandwidth
54Mbps Antenna:A



99% Occupied Bandwidth
108Mbps(Turbo mode) Antenna:A

