

APPENDIX 2: Data of EMI test

Conducted Emission
11a, Tx, 5180MHz

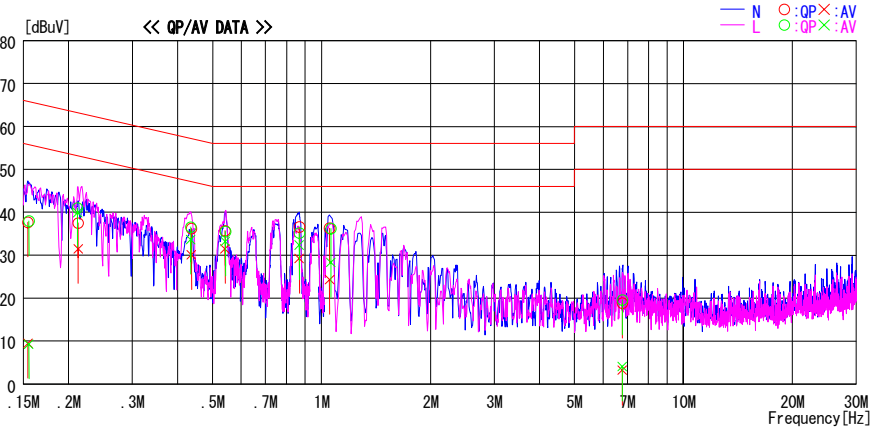
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 24deg. C. / 32%
Serial No. : 0080920115A7 Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Tx, 5180MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15435	37.5	9.3	0.2	37.7	9.5	65.8	55.8	28.1	46.3	N	
0.21264	37.2	31.2	0.3	37.5	31.5	63.1	53.1	25.6	21.6	N	
0.43710	35.9	29.8	0.3	36.2	30.1	57.1	47.1	20.9	17.0	N	
0.54150	35.4	31.2	0.3	35.7	31.5	56.0	46.0	20.3	14.5	N	
0.86861	36.3	28.9	0.3	36.6	29.2	56.0	46.0	19.4	16.8	N	
1.05256	35.9	23.9	0.4	36.3	24.3	56.0	46.0	19.7	21.7	N	
6.77569	17.9	2.3	0.9	18.8	3.2	60.0	50.0	41.2	46.8	N	
0.15522	37.8	9.1	0.2	38.0	9.3	65.7	55.7	27.7	46.4	L	
0.21177	40.7	39.6	0.3	41.0	39.9	63.1	53.1	22.1	13.2	L	
0.43536	36.2	33.4	0.3	36.5	33.7	57.1	47.1	20.6	13.4	L	
0.54237	35.2	32.9	0.3	35.5	33.2	56.0	46.0	20.5	12.8	L	
0.86861	34.9	32.1	0.3	35.2	32.4	56.0	46.0	20.8	13.6	L	
1.06163	35.8	27.9	0.4	36.2	28.3	56.0	46.0	19.8	17.7	L	
6.77569	18.7	3.2	0.9	19.6	4.1	60.0	50.0	40.4	45.9	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission

11a, Tx, 5220MHz

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2009/02/20

Company : silex technology, Inc. Kind of EUT : Wireless 11abg Adapter Model No. : SX-10WAG-IT Serial No. : 0080920115A7	Report No. : 29EE0161-HO-01 Power : DC 3.3V (AC 120V / 60Hz) Temp./Humi. : 24deg. C. / 32% Engineer : Tomotaka Sasagawa
--	--

Mode / Remarks : 11a, Tx, 5220MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

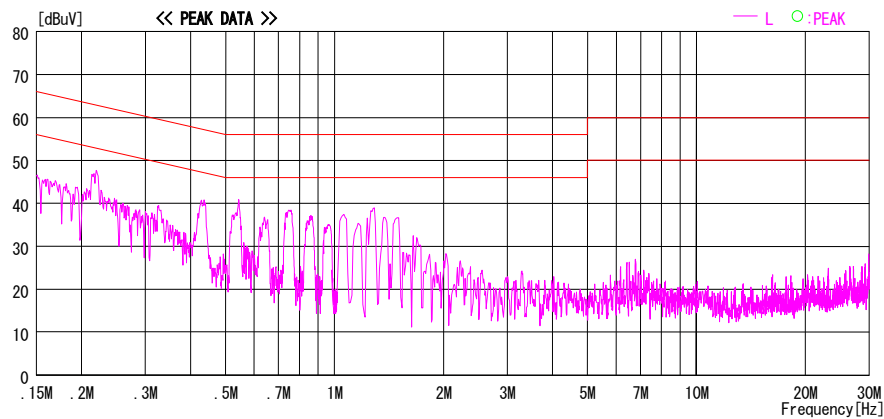
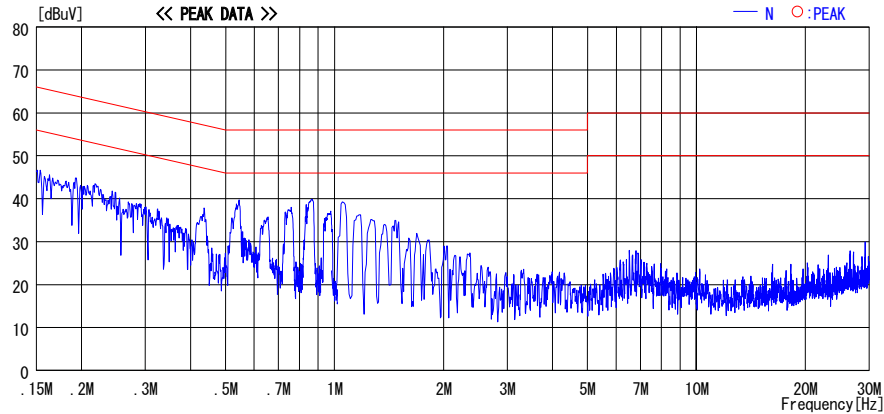


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

11a, Tx, 5240MHz

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2009/02/20

Company	: silex technology, Inc.	Report No.	: 29EE0161-HO-01
Kind of EUT	: Wireless 11abg Adapter	Power	: DC 3.3V (AC 120V / 60Hz)
Model No.	: SX-10WAG-IT	Temp./Humi.	: 24deg. C. / 32%
Serial No.	: 0080920115A7	Engineer	: Tomotaka Sasagawa

Mode / Remarks : 11a, Tx, 5240MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

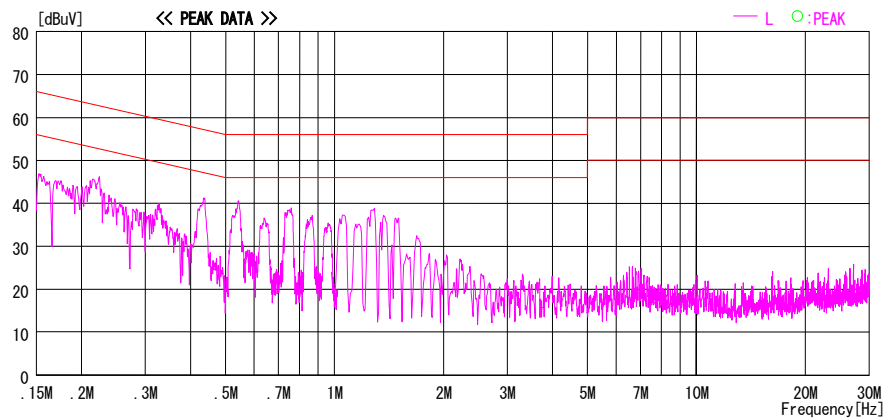
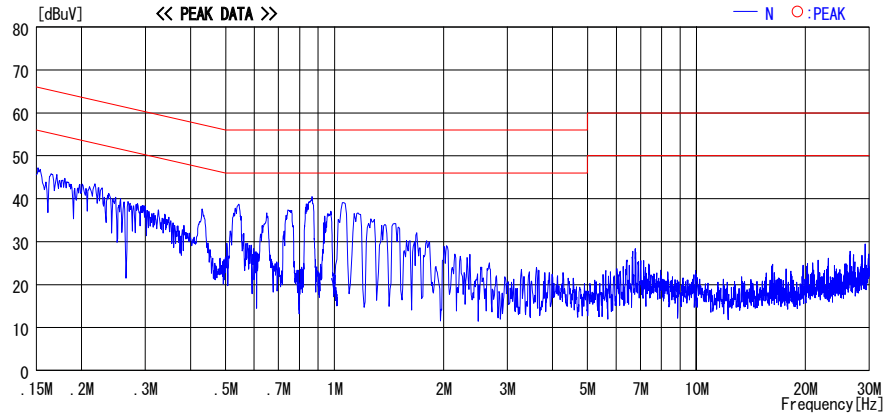


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission 11a, Rx, 5220MHz

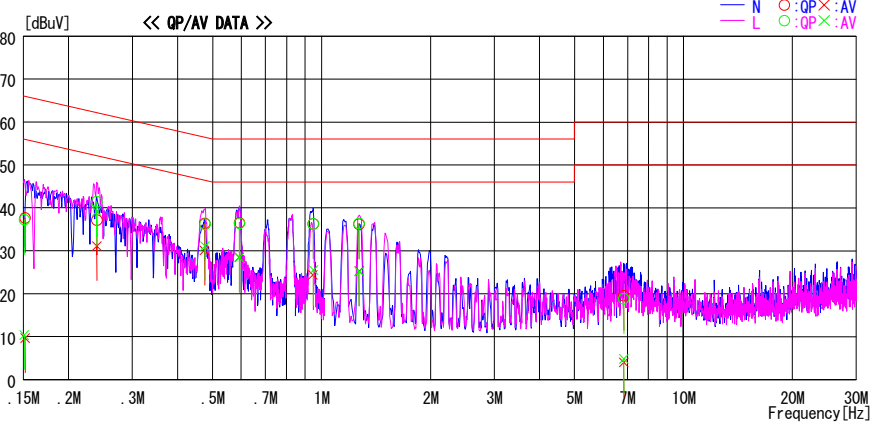
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

Company : silex technology, Inc.	Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter	Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT	Temp./Humi. : 24deg. C. / 32%
Serial No. : 0080920115A7	Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx, 5220MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15174	37.5	9.5	0.2	37.7	9.7	65.9	55.9	28.2	46.2	N	
0.23961	36.9	30.8	0.3	37.2	31.1	62.1	52.1	24.9	21.0	N	
0.47538	36.1	29.8	0.3	36.4	30.1	56.4	46.4	20.0	16.3	N	
0.59283	36.2	28.2	0.3	36.5	28.5	56.0	46.0	19.5	17.5	N	
0.94778	35.9	24.0	0.4	36.3	24.4	56.0	46.0	19.7	21.6	N	
1.27024	35.8	24.9	0.4	36.2	25.3	56.0	46.0	19.8	20.7	N	
6.83918	18.7	3.1	0.9	19.6	4.0	60.0	50.0	40.4	46.0	N	
0.15087	37.1	10.2	0.2	37.3	10.4	66.0	56.0	28.7	45.6	L	
0.23961	41.2	38.9	0.3	41.5	39.2	62.1	52.1	20.6	12.9	L	
0.47712	35.9	30.8	0.3	36.2	31.1	56.4	46.4	20.2	15.3	L	
0.59283	36.1	28.1	0.3	36.4	28.4	56.0	46.0	19.6	17.6	L	
0.94952	35.9	25.1	0.4	36.3	25.5	56.0	46.0	19.7	20.5	L	
1.27024	36.0	24.8	0.4	36.4	25.2	56.0	46.0	19.6	20.8	L	
6.83918	17.9	3.9	0.9	18.8	4.8	60.0	50.0	41.2	45.2	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission

11a, Tx, 5260MHz

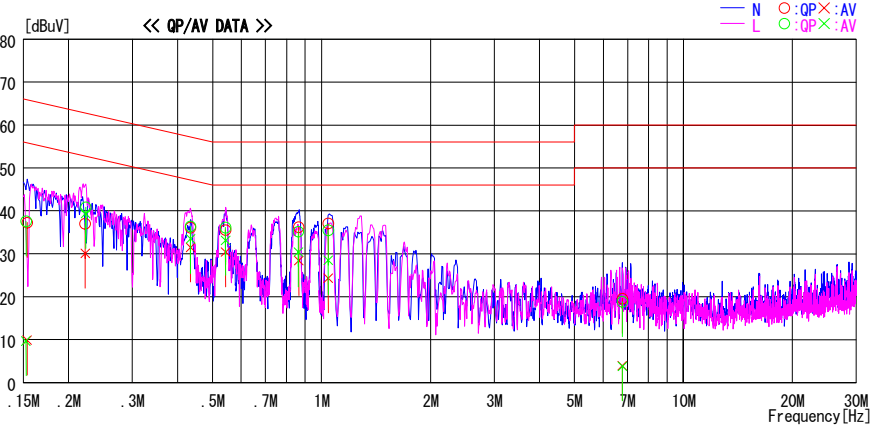
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc.	Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter	Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT	Temp./Humi. : 24deg. C. / 32%
Serial No. : 0080920115A7	Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Tx, 5260MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15348	37.1	9.7	0.2	37.3	9.9	65.8	55.8	28.5	45.9	N	
0.22221	36.7	29.8	0.3	37.0	30.1	62.7	52.7	25.7	22.6	N	
0.43449	35.8	31.2	0.3	36.1	31.5	57.2	47.2	21.1	15.7	N	
0.54324	35.3	30.1	0.3	35.6	30.4	56.0	46.0	20.4	15.6	N	
0.86513	35.9	28.1	0.3	36.2	28.4	56.0	46.0	19.8	17.6	N	
1.04349	36.7	23.9	0.4	37.1	24.3	56.0	46.0	18.9	21.7	N	
6.77569	18.7	3.0	0.9	19.6	3.9	60.0	50.0	40.4	46.1	N	
0.15261	37.4	9.5	0.2	37.6	9.7	65.9	55.9	28.3	46.2	L	
0.22308	40.5	39.1	0.3	40.8	39.4	62.7	52.7	21.9	13.3	L	
0.43449	36.1	33.2	0.3	36.4	33.5	57.2	47.2	20.8	13.7	L	
0.54324	35.8	32.8	0.3	36.1	33.1	56.0	46.0	19.9	12.9	L	
0.86339	34.9	30.1	0.3	35.2	30.4	56.0	46.0	20.8	15.6	L	
1.04349	35.1	28.1	0.4	35.5	28.5	56.0	46.0	20.5	17.5	L	
6.78476	17.9	2.9	0.9	18.8	3.8	60.0	50.0	41.2	46.2	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission

11a, Tx, 5300MHz

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2009/02/20

Company	: silex technology, Inc.	Report No.	: 29EE0161-HO-01
Kind of EUT	: Wireless 11abg Adapter	Power	: DC 3.3V (AC 120V / 60Hz)
Model No.	: SX-10WAG-IT	Temp./Humi.	: 24deg. C. / 32%
Serial No.	: 0080920115A7	Engineer	: Tomotaka Sasagawa

Mode / Remarks : 11a, Tx, 5300MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

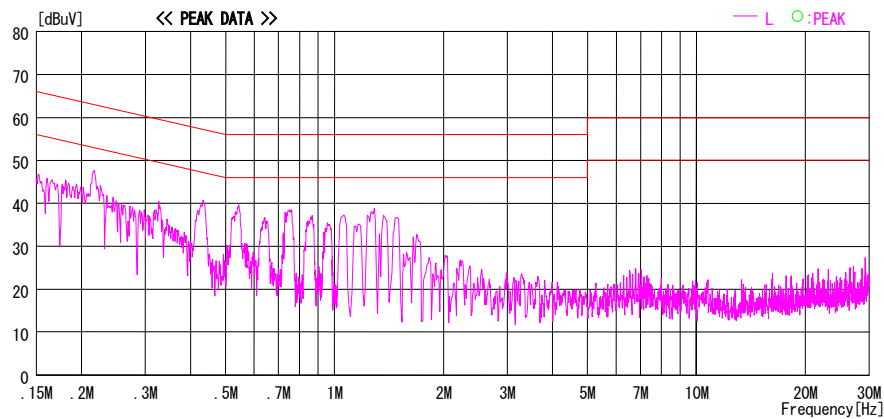
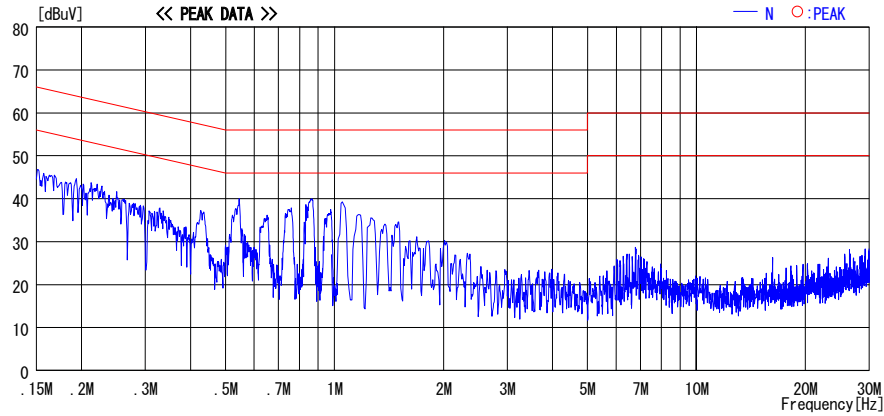


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

11a, Tx, 5320MHz

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2009/02/20

Company : silex technology, Inc. Kind of EUT : Wireless 11abg Adapter Model No. : SX-10WAG-IT Serial No. : 0080920115A7	Report No. : 29EE0161-HO-01 Power : DC 3.3V (AC 120V / 60Hz) Temp./Humi. : 24deg. C. / 32% Engineer : Tomotaka Sasagawa
--	--

Mode / Remarks : 11a, Tx, 5320MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

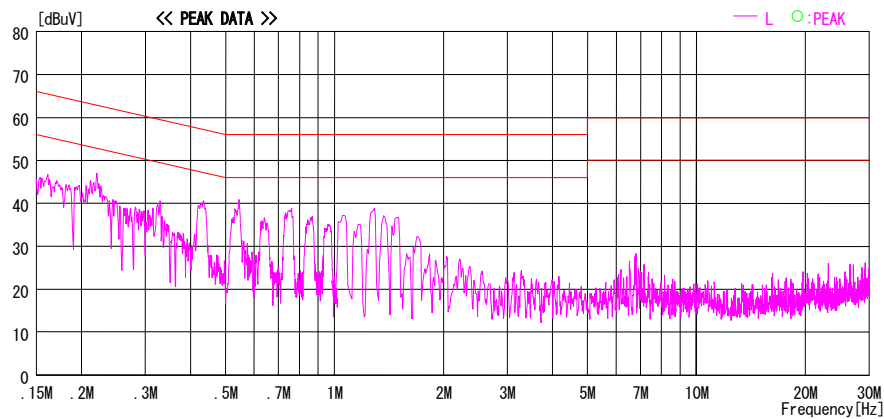
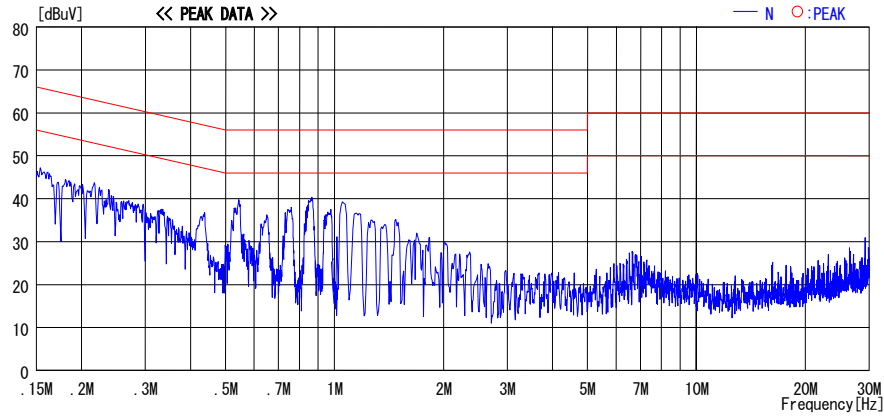


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

11a, Rx, 5300MHz

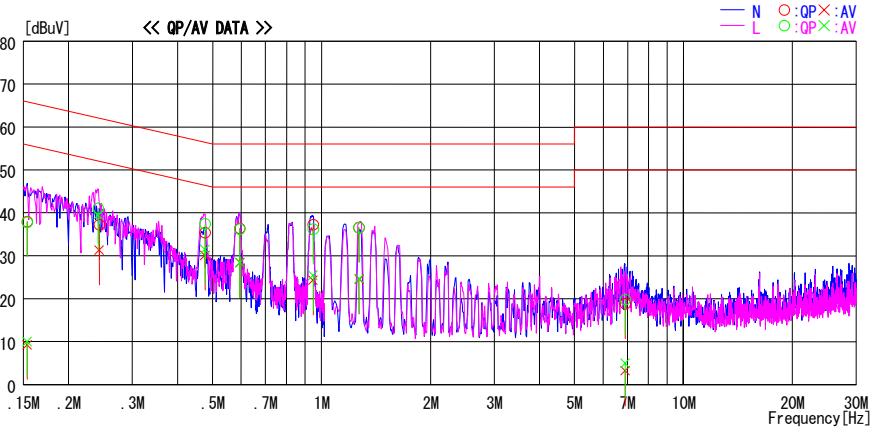
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/21

Company : silex technology, Inc.	Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter	Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT	Temp./Humi. : 24deg. C. / 32%
Serial No. : 0080920115A7	Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx, 5300MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15348	37.8	9.1	0.2	38.0	9.3	65.8	55.8	27.8	46.5	N	
0.24309	37.0	31.0	0.3	37.3	31.3	62.0	52.0	24.7	20.7	N	
0.47625	35.1	29.8	0.3	35.4	30.1	56.4	46.4	21.0	16.3	N	
0.59457	36.1	28.1	0.3	36.4	28.4	56.0	46.0	19.6	17.6	N	
0.94865	36.9	23.9	0.4	37.3	24.3	56.0	46.0	18.7	21.7	N	
1.27024	36.2	24.1	0.4	36.6	24.5	56.0	46.0	19.4	21.5	N	
6.89360	17.9	2.3	0.9	18.8	3.2	60.0	50.0	41.2	46.8	N	
0.15348	37.6	9.8	0.2	37.8	10.0	65.8	55.8	28.0	45.8	L	
0.24135	40.8	39.2	0.3	41.1	39.5	62.0	52.0	20.9	12.5	L	
0.47625	37.1	31.2	0.3	37.4	31.5	56.4	46.4	19.0	14.9	L	
0.59457	35.9	28.1	0.3	36.2	28.4	56.0	46.0	19.8	17.6	L	
0.94865	35.8	25.0	0.4	36.2	25.4	56.0	46.0	19.8	20.6	L	
1.27024	36.1	24.3	0.4	36.5	24.7	56.0	46.0	19.5	21.3	L	
6.89360	18.9	4.1	0.9	19.8	5.0	60.0	50.0	40.2	45.0	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission 11a, Tx, 5200MHz (Turbo) DATA OF CONDUCTED EMISSION TEST

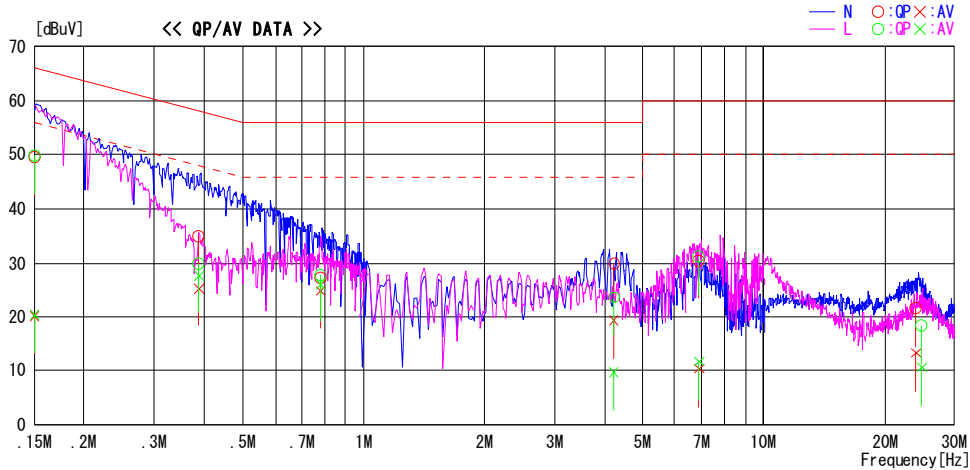
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-1T
Serial No. : 0080920115A7

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C. / 32%
Engineer : Kenichi Adachi

Mode / Remarks : 11a Tx (Turbo), 5200MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15000	49.5	19.9	0.1	49.6	20.0	66.0	56.0	16.4	36.0	N
0.38794	34.8	25.0	0.3	35.1	25.3	58.1	48.1	23.0	22.8	N
0.77730	27.0	24.6	0.3	27.3	24.9	56.0	46.0	28.7	21.1	N
4.21840	29.3	18.6	0.7	30.0	19.3	56.0	46.0	26.0	26.7	N
6.89456	29.5	9.4	0.9	30.4	10.3	60.0	50.0	29.6	39.7	N
24.09257	19.6	11.5	1.8	21.4	13.3	60.0	50.0	38.6	36.7	N
0.15000	49.7	20.1	0.1	49.8	20.2	66.0	56.0	16.2	35.8	L
0.38794	29.6	27.4	0.3	29.9	27.7	58.1	48.1	28.2	20.4	L
0.77730	27.6	25.8	0.3	27.9	26.1	56.0	46.0	28.1	19.9	L
4.21840	22.8	9.0	0.7	23.5	9.7	56.0	46.0	32.5	36.3	L
6.89456	30.4	10.8	0.9	31.3	11.7	60.0	50.0	28.7	38.3	L
24.91524	16.4	8.8	1.8	18.2	10.6	60.0	50.0	41.8	39.4	L

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission
11a, Tx, 5250MHz (Turbo)
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A7

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C. / 32%
Engineer : Kenichi Adachi

Mode / Remarks : 11a, Tx (Turbo), 5250MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

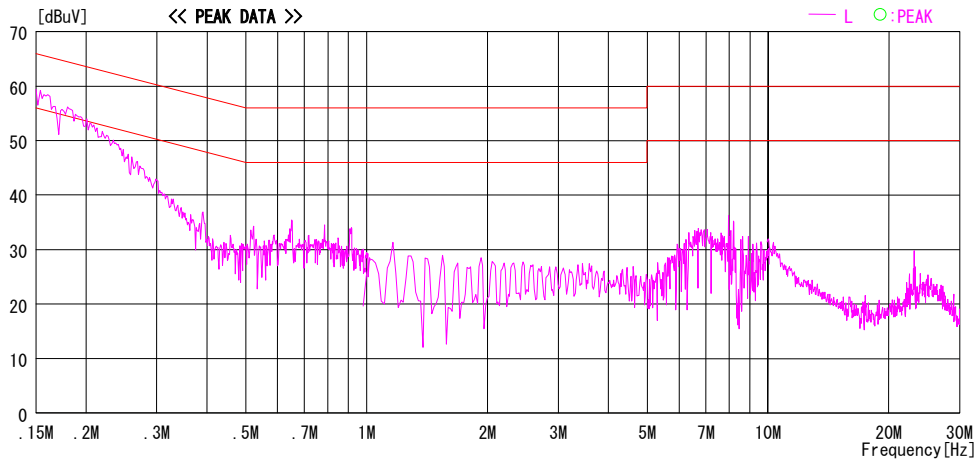
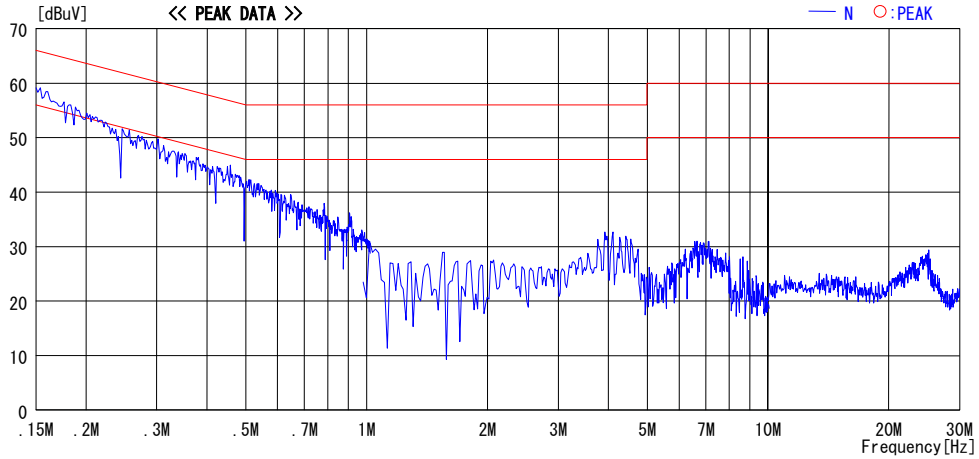


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (L ISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
11a, Tx, 5290MHz (Turbo)
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2009/02/21

Company : silex technology, Inc.
 Kind of EUT : Wireless 11abg Adapter
 Model No. : SX-10WAG-IT
 Serial No. : 0080920115A7

Report No. : 29EE0161-HO-01
 Power : DC 3.3V (AC 120V / 60Hz)
 Temp./Humi. : 21deg.C. / 32%
 Engineer : Kenichi Adachi

Mode / Remarks : 11a, Tx (Turbo), 5290MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

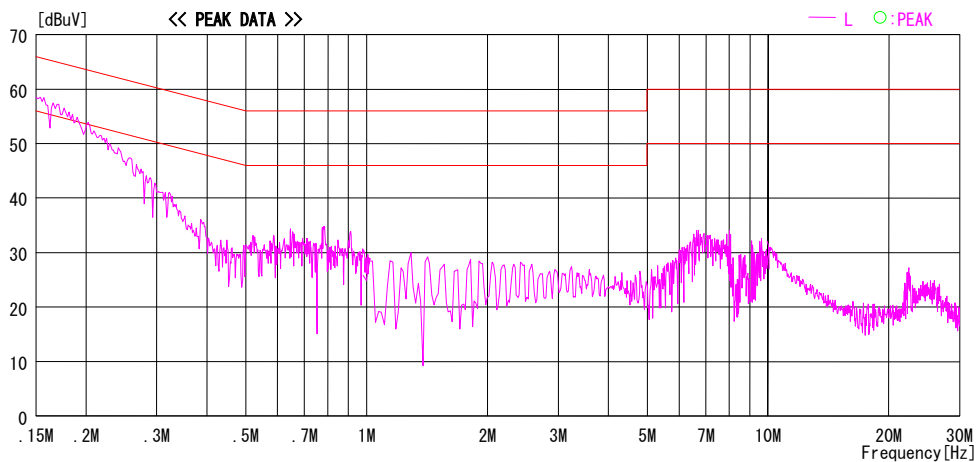
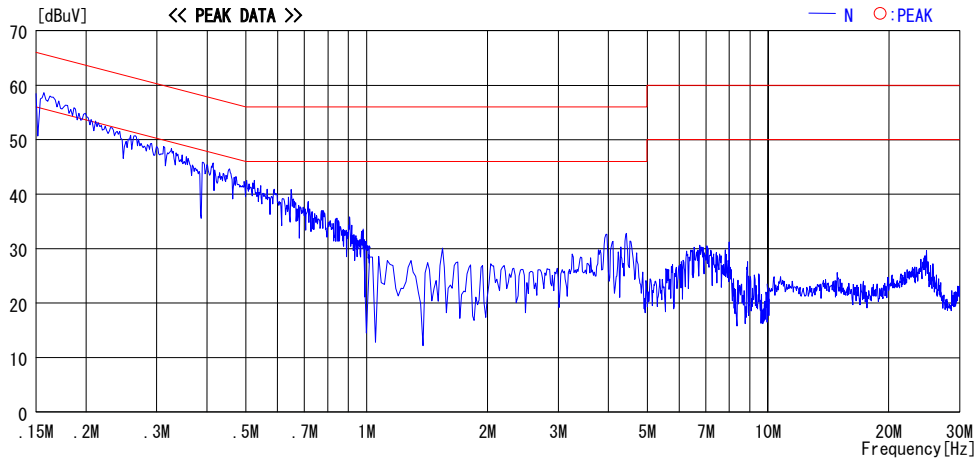


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission 11a, Rx, 5250MHz (Turbo) DATA OF CONDUCTED EMISSION TEST

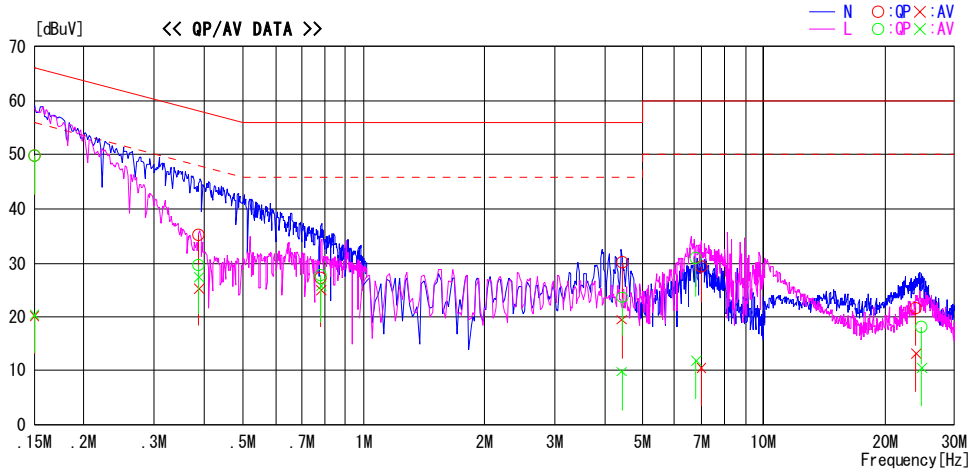
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A7

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C. / 32%
Engineer : Kenichi Adachi

Mode / Remarks : 11a, Rx (Turbo), 5250MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15000	49.7	20.0	0.1	49.8	20.1	66.0	56.0	16.2	35.9	N
0.38791	34.9	25.1	0.3	35.2	25.4	58.1	48.1	22.9	22.7	N
0.77981	27.1	24.8	0.3	27.4	25.1	56.0	46.0	28.6	20.9	N
4.43125	29.4	18.7	0.7	30.1	19.4	56.0	46.0	25.9	26.6	N
6.99378	28.6	9.6	0.9	29.5	10.5	60.0	50.0	30.5	39.5	N
24.09535	19.8	11.3	1.8	21.6	13.1	60.0	50.0	38.4	36.9	N
0.15000	49.7	20.2	0.1	49.8	20.3	66.0	56.0	16.3	35.7	L
0.38791	29.5	27.2	0.3	29.8	27.5	58.1	48.1	28.3	20.6	L
0.77981	27.5	25.6	0.3	27.8	25.9	56.0	46.0	28.2	20.1	L
4.43125	22.9	9.1	0.7	23.6	9.8	56.0	46.0	32.4	36.2	L
6.79378	30.1	10.9	0.9	31.0	11.8	60.0	50.0	29.0	38.2	L
24.88158	16.3	8.6	1.8	18.1	10.4	60.0	50.0	41.9	39.6	L

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

26dB Emission Bandwidth and 99% Occupied Bandwidth

		UL Japan, Inc	
		Head Office EMC Lab. No.6 and 7 measurement room	
Company	silex technology, Inc.	Regulation	FCC Part15 Subpart E 15.407(a)(1)(2) / RSS-210 A9.2(1)(2)
Equipment	Wireless 11abg Adapter	Test Distance	-
Model	SX-10WAG-IT	Date	February 2, 2009 Feburary 22, 2009
S/N	0080920115A5 (11a)	Temperature	21 deg.C. 17 deg.C.
	0080920115A7 (11a, Turbo)	Humidity	43 % 38 %
Power	DC 3.3V (AC 120V/60Hz)	Engineer	Kazufumi Nakai Takeshi Choda
Mode	11a, Tx, 24Mbps, Ant A(Worst)		
	11a, Tx (Turbo), 48Mbps, Ant A(Worst)		

[IEEE 802.11a]

Ch	Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]
36	5180.0	23.496	16.404
44	5220.0	20.961	16.571
48	5240.0	21.107	16.515
52	5260.0	23.154	16.619
60	5300.0	23.176	16.555
64	5320.0	21.445	16.371

[IEEE 802.11a] (Turbo mode)

Ch	Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]
40	5200.0	43.156	32.963
50	5250.0	43.983	32.876
58	5290.0	43.604	32.946

UL Japan, Inc.

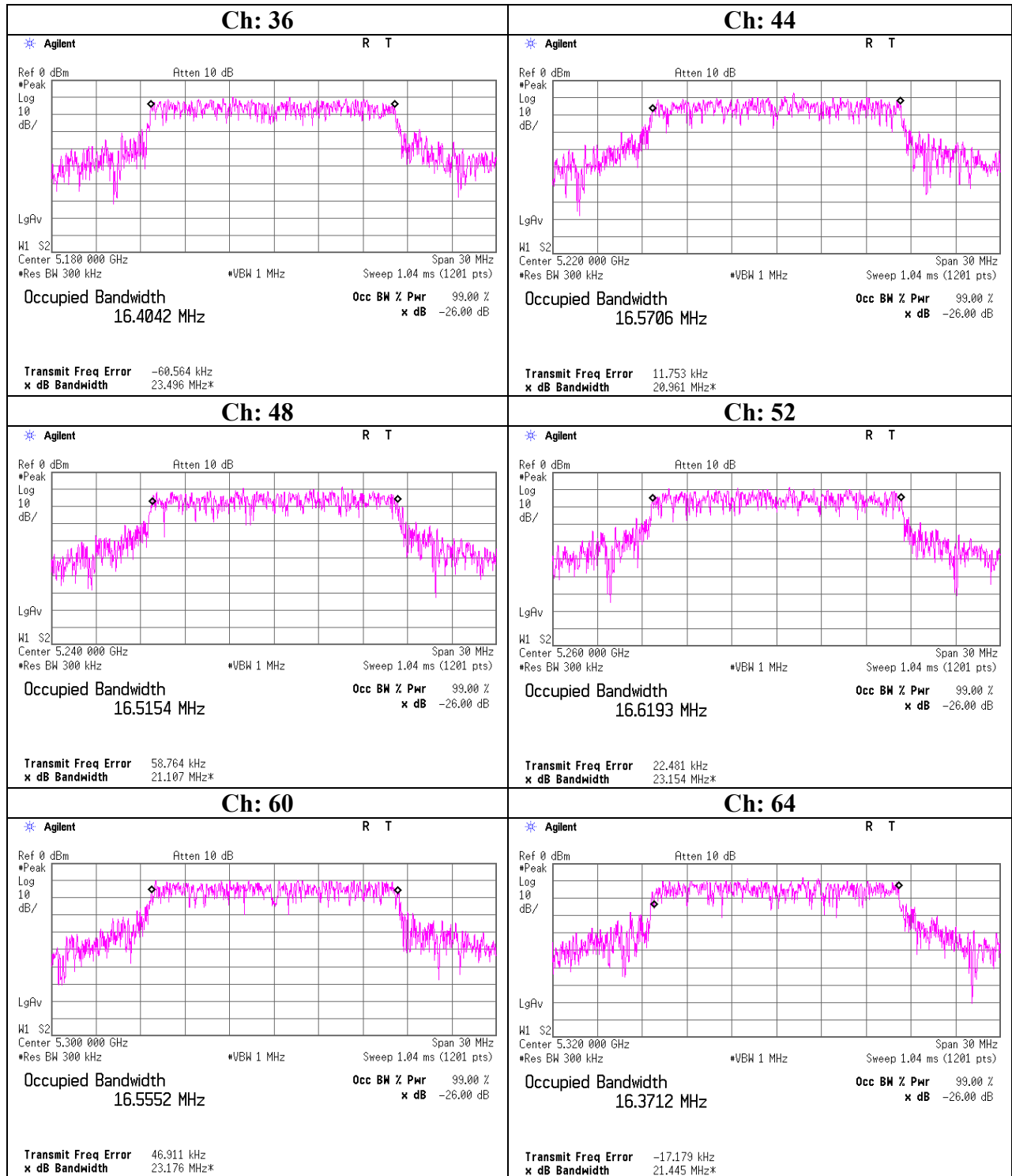
Head Office EMC Lab.

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

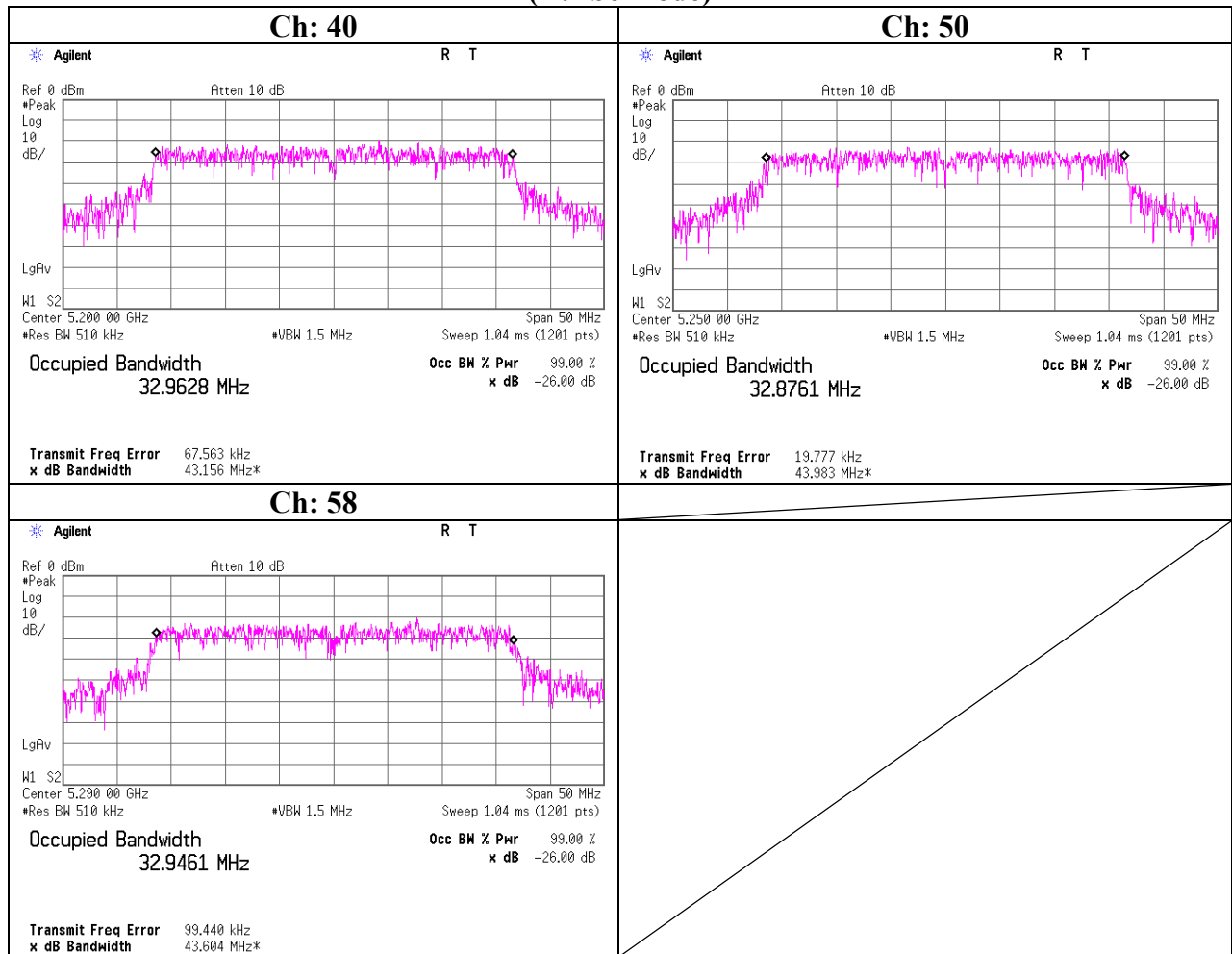
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

26dB Emission Bandwidth and 99% Occupied Bandwidth



**26dB Emission Bandwidth and 99% Occupied Bandwidth
 (Turbo mode)**



Maximum Peak Output Power

		UL Japan, Inc
Company	silex technology, Inc.	Head Office EMC Lab. No.7 measurement room
Equipment	Wireless 11abg Adapter	Regulation FCC Part15 Subpart E 15.407(a)(1)(2) / RSS-210 A9.2(1)(2)
Model	SX-10WAGIT	Test Distance -
S/N	0080920115A7	Date February 16, 2009
Power	DC 3.3V (AC 120V/60Hz)	Temperature 22 deg.C.
Mode	11a, Tx, 24Mbps, Ant A(Worst)	Humidity 33 %
	11a, Tx (Turbo), 48Mbps, Ant A(Worst)	Engineer Takeshi Choda

[IEEE 802.11a]

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-9.83	2.65	19.98	12.80	17.0	4.20
44	5220.0	-10.50	2.66	19.98	12.14	17.0	4.86
48	5240.0	-10.71	2.66	19.98	11.93	17.0	5.07
52	5260.0	-10.42	2.66	19.99	12.23	24.0	11.77
60	5300.0	-10.26	2.68	19.99	12.41	24.0	11.59
64	5320.0	-10.40	2.68	19.99	12.27	24.0	11.73

Sample Calculation:

Result = Reading + Cable Loss + Atten.Loss

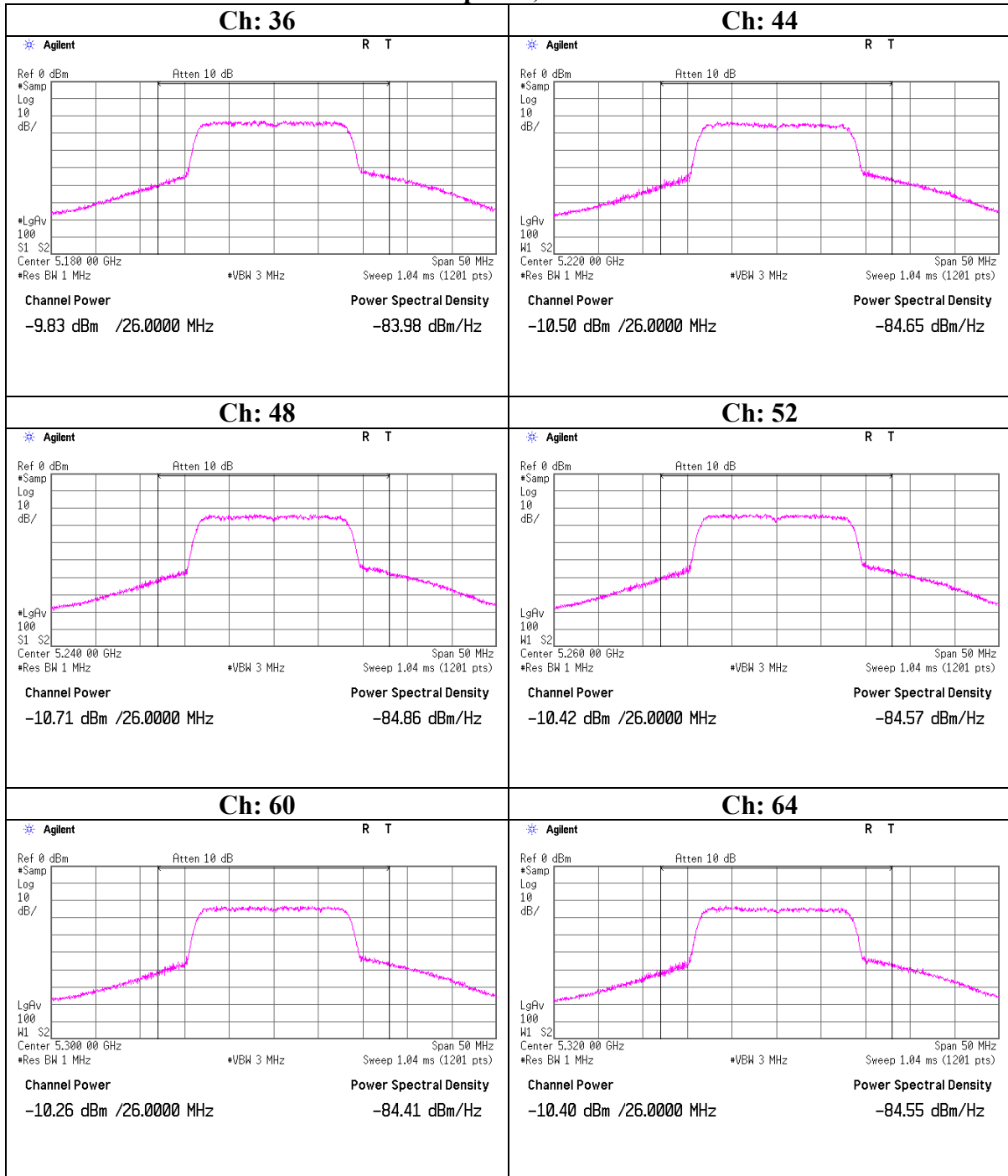
[IEEE 802.11a] (Turbo Mode)

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
40	5200.0	-10.88	2.65	19.98	11.75	17.0	5.25
50	5250.0	-10.85	2.66	19.98	11.79	17.0	5.21
58	5290.0	-10.95	2.68	19.99	11.72	24.0	12.28

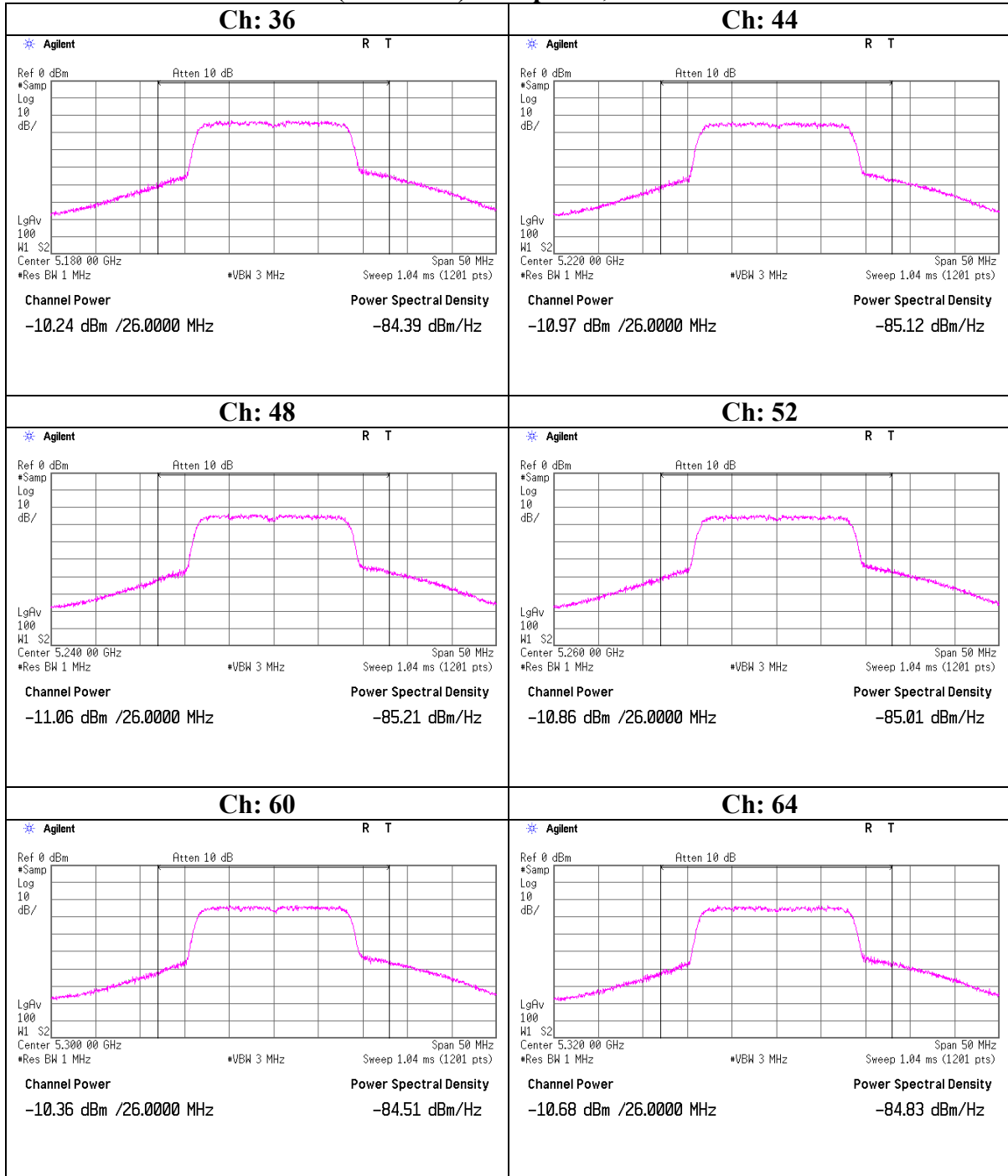
Sample Calculation:

Result = Reading + Cable Loss + Atten.Loss

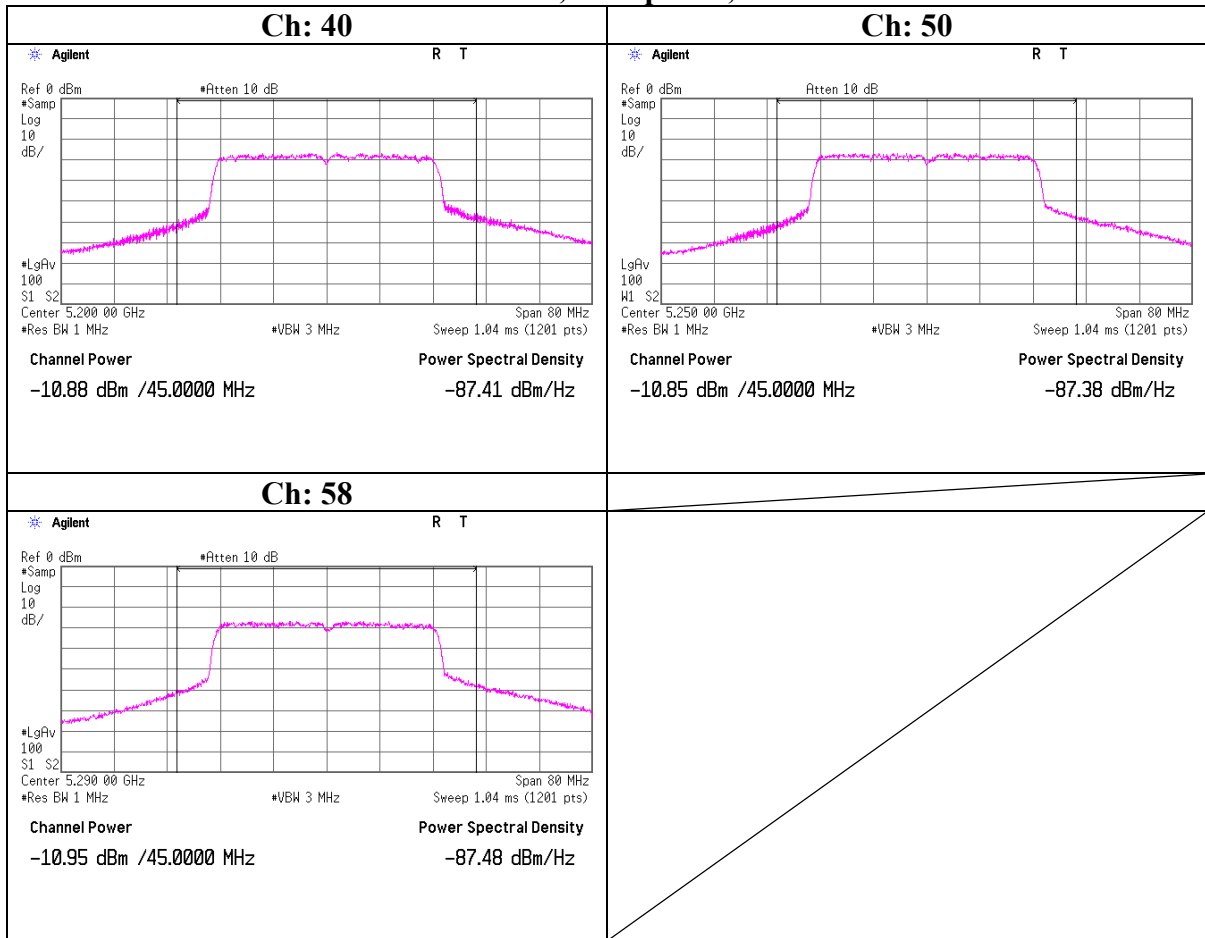
Maximum Peak Output Power
Max power, Ant A



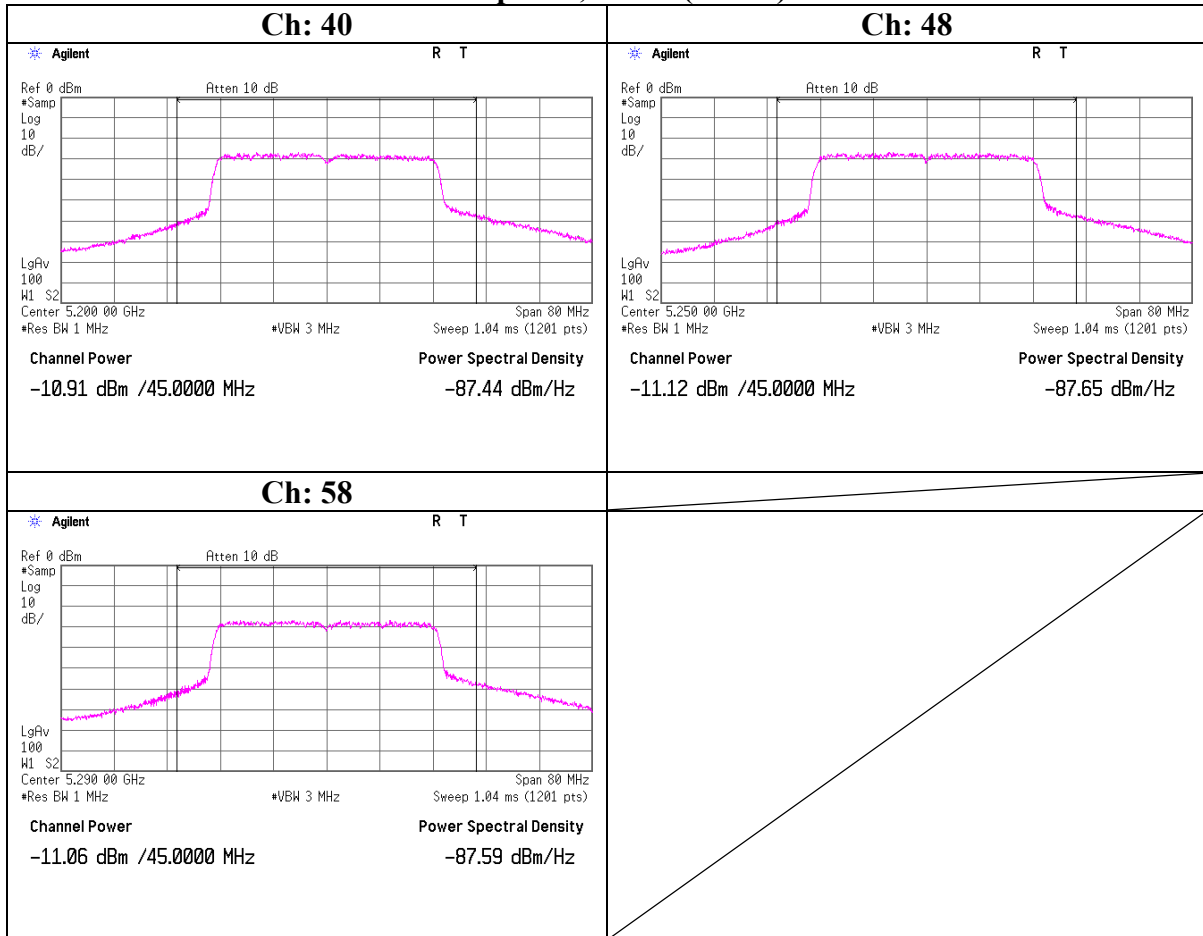
**Maximum Peak Output Power
 (Reference) Max power, Ant B**



Maximum Peak Output Power
Turbo mode, Max power, Ant A



Maximum Peak Output Power
(Reference)
Max power, Ant B (Turbo)



**Maximum Peak Output Power
(Rerefence data)**

UL Japan, Inc
Head Office EMC Lab. No.11 measurement room
Regulation FCC Part15 Subpart E 15.407(a)(1)(2) / RSS-210 A9.2(1)(2)
Test Distance -
Date February 22, 2009
Temperature 17 deg.C.
Humidity 38 %
Engineer Takeshi Choda

Company silex technology, Inc.
Equipment Wireless 11abg Adapter
Model SX-10WAG-IT
S/N 0080920115A7
Power DC 3.3V (AC 120V/60Hz)
Mode 11a, Tx

[IEEE 802.11a] Ant: A

Rate	Freq.	S/A Reading	Cable Loss	Atten.	Result
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]
6	5220.0	-10.77	2.66	19.98	11.87
9	5220.0	-10.64	2.66	19.98	12.00
12	5220.0	-10.56	2.66	19.98	12.08
18	5220.0	-10.55	2.66	19.98	12.09
24	5220.0	-10.50	2.66	19.98	12.14
36	5220.0	-10.60	2.66	19.98	12.04
48	5220.0	-10.52	2.66	19.98	12.12
54	5220.0	-10.59	2.66	19.98	12.05

[IEEE 802.11a] Ant: A

Rate	Freq.	S/A Reading	Cable Loss	Atten.	Result
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]
6	5300.0	-10.29	2.68	19.98	12.37
9	5300.0	-10.28	2.68	19.98	12.38
12	5300.0	-10.34	2.68	19.98	12.32
18	5300.0	-10.35	2.68	19.98	12.31
24	5300.0	-10.26	2.68	19.98	12.40
36	5300.0	-10.32	2.68	19.98	12.34
48	5300.0	-10.38	2.68	19.98	12.28
54	5220.0	-10.30	2.68	19.98	12.36

[IEEE 802.11a] Ant: B

Rate	Freq.	S/A Reading	Cable Loss	Atten.	Result
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]
6	5220.0	-11.08	2.66	19.98	11.56
9	5220.0	-10.75	2.66	19.98	11.89
12	5220.0	-10.68	2.66	19.98	11.96
18	5220.0	-10.60	2.66	19.98	12.04
24	5220.0	-10.59	2.66	19.98	12.05
36	5220.0	-10.61	2.66	19.98	12.03
48	5220.0	-10.73	2.66	19.98	11.91
54	5220.0	-10.70	2.66	19.98	11.94

[IEEE 802.11a] Ant: B

Rate	Freq.	S/A Reading	Cable Loss	Atten.	Result
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]
6	5300.0	-10.47	2.68	19.98	12.19
9	5300.0	-10.48	2.68	19.98	12.18
12	5300.0	-10.30	2.68	19.98	12.36
18	5300.0	-10.29	2.68	19.98	12.37
24	5300.0	-10.27	2.68	19.98	12.39
36	5300.0	-10.27	2.68	19.98	12.39
48	5300.0	-10.31	2.68	19.98	12.35
54	5300.0	-10.31	2.68	19.98	12.35

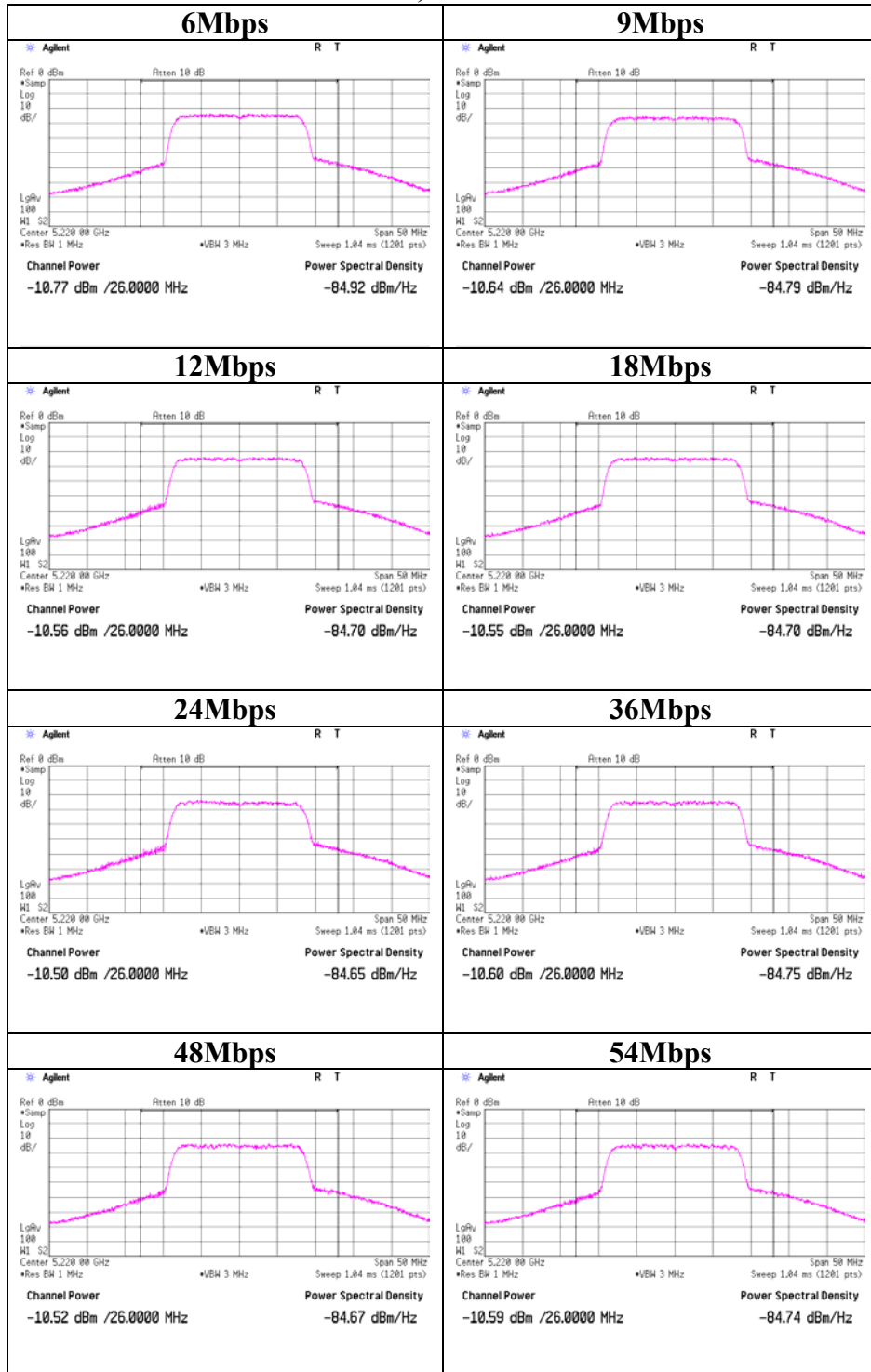
Sample Calculation:

Result = Reading + Cable Loss + Atten.Loss

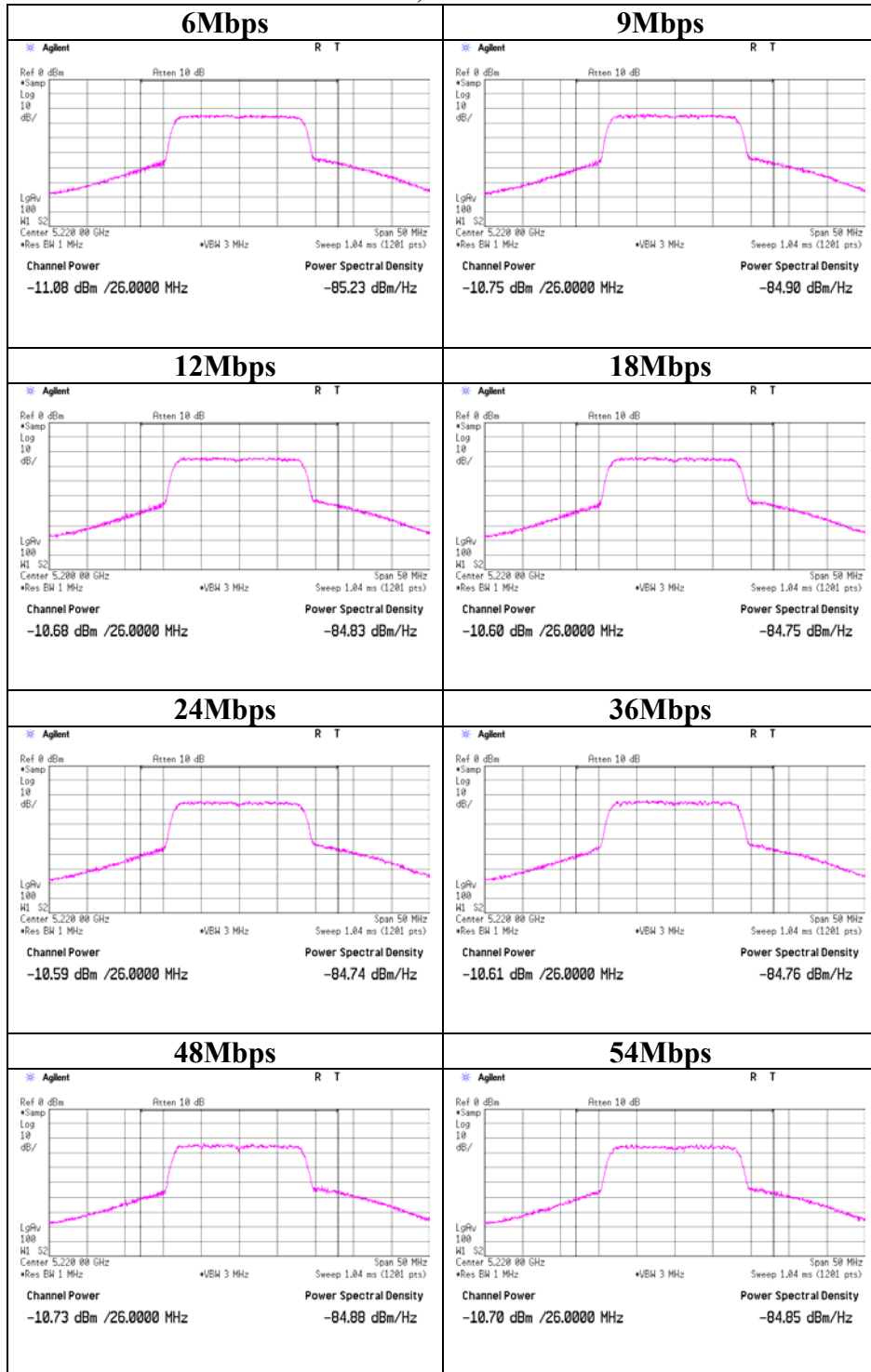
Sample Calculation:

Result = Reading + Cable Loss + Atten.Loss

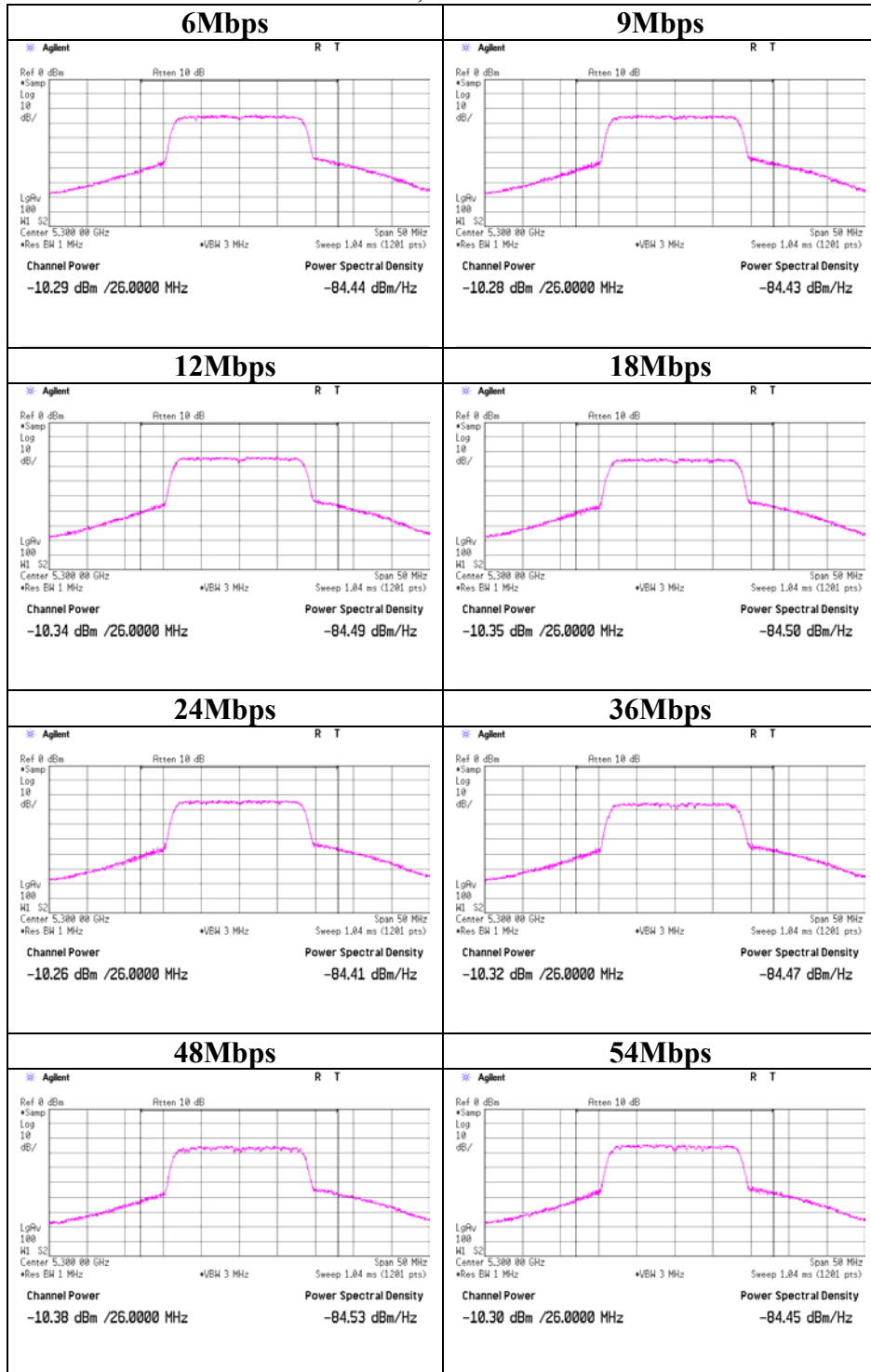
Maximum Peak Output Power
Ant:A, Ch: 44



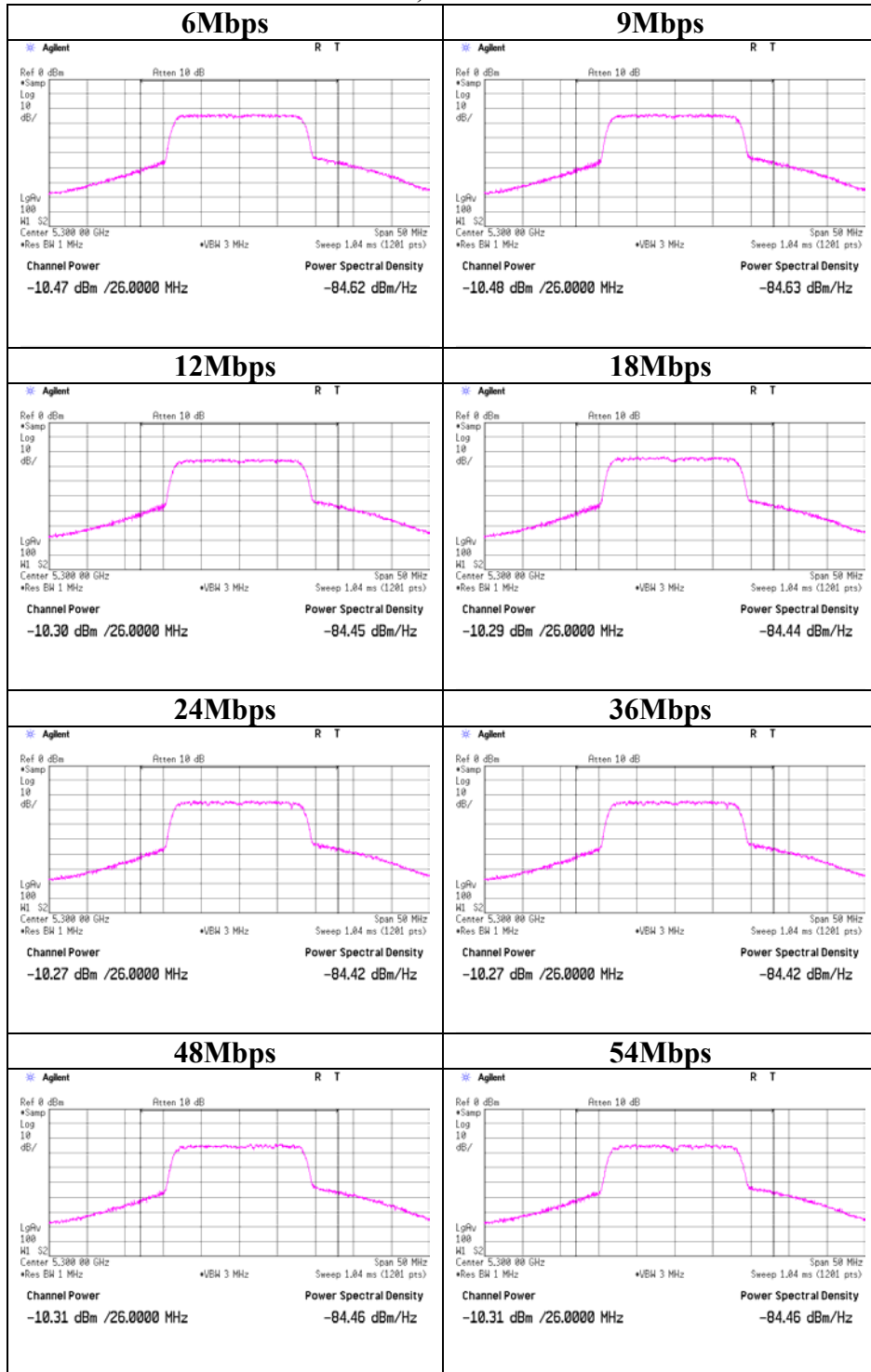
Maximum Peak Output Power
Ant:B, Ch: 44



Maximum Peak Output Power
Ant:A, Ch: 60



Maximum Peak Output Power
Ant:B, Ch: 60



Maximum Peak Output Power
(Rerference data)
(Turbo)

UL Japan, Inc
Head Office EMC Lab. No.11 shielded room
Regulation FCC Part15 Subpart E 15.407(a)(1)(2) / RSS-210 A9.2(1)(2)
Test Distance -
Date February 22, 2009
Temperature 17 deg.C.
Humidity 38 %
Engineer Takeshi Choda

Company silex technology, Inc.
Equipment Wireless 11abg Adapter
Model SX-10WAG-IT
S/N 0080920115A7
Power DC 3.3V (AC 120V/60Hz)
Mode 11a, Tx (Turbo)

[IEEE 802.11a] Ant: A

Rate [Mbps]	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]
12	5250.0	-11.10	2.66	19.98	11.54
18	5250.0	-10.98	2.66	19.98	11.66
24	5250.0	-11.01	2.66	19.98	11.63
36	5250.0	-10.94	2.66	19.98	11.70
48	5250.0	-10.85	2.66	19.98	11.79
72	5250.0	-10.95	2.66	19.98	11.69
96	5250.0	-11.00	2.66	19.98	11.64
108	5250.0	-11.03	2.66	19.98	11.61

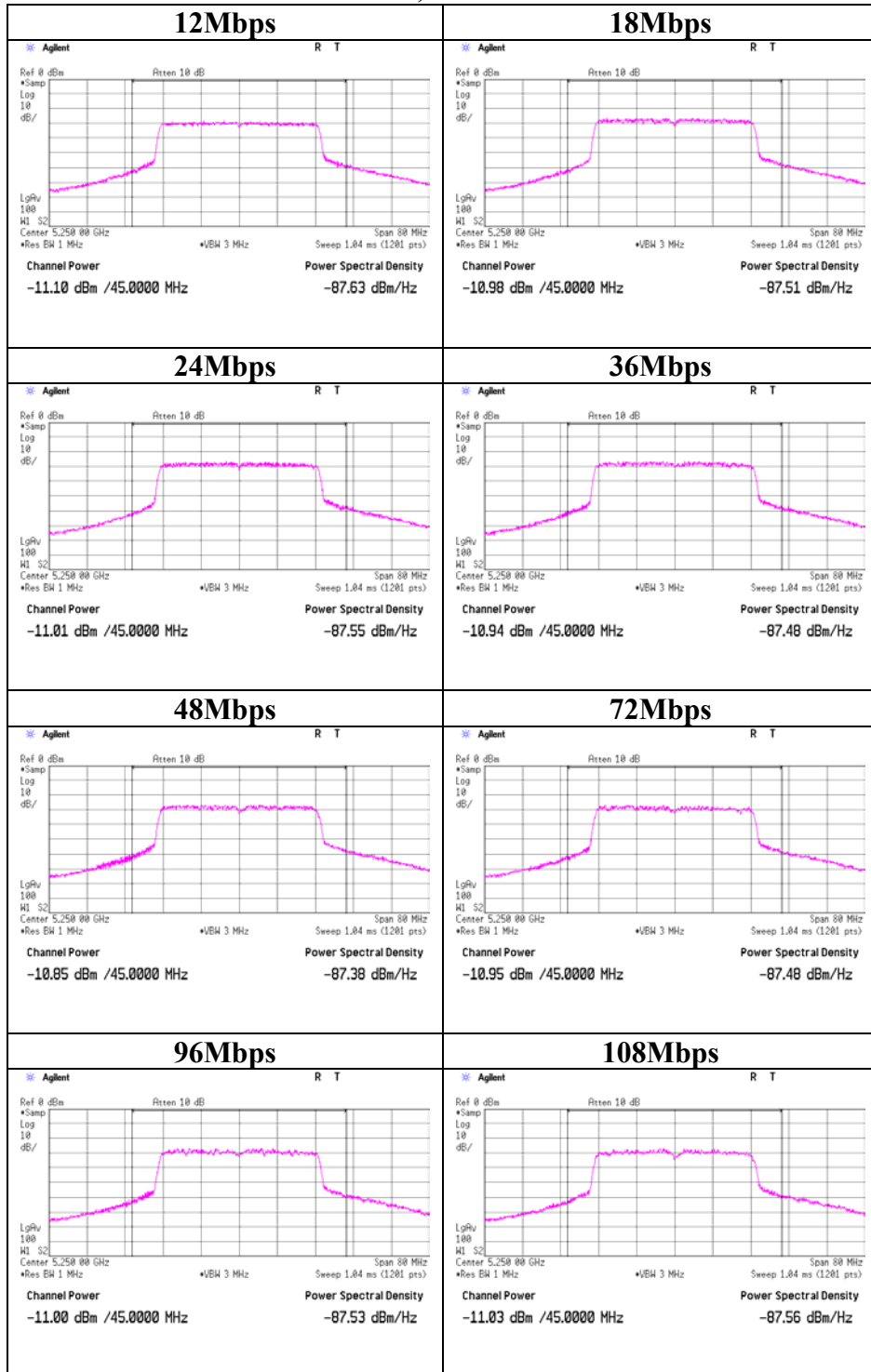
[IEEE 802.11a] Ant: B

Rate [Mbps]	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]
12	5250.0	-11.14	2.66	19.98	11.50
18	5250.0	-11.23	2.66	19.98	11.41
24	5250.0	-11.21	2.66	19.98	11.43
36	5250.0	-11.20	2.66	19.98	11.44
48	5250.0	-11.12	2.66	19.98	11.52
72	5250.0	-11.13	2.66	19.98	11.51
96	5250.0	-11.14	2.66	19.98	11.50
108	5250.0	-11.18	2.66	19.98	11.46

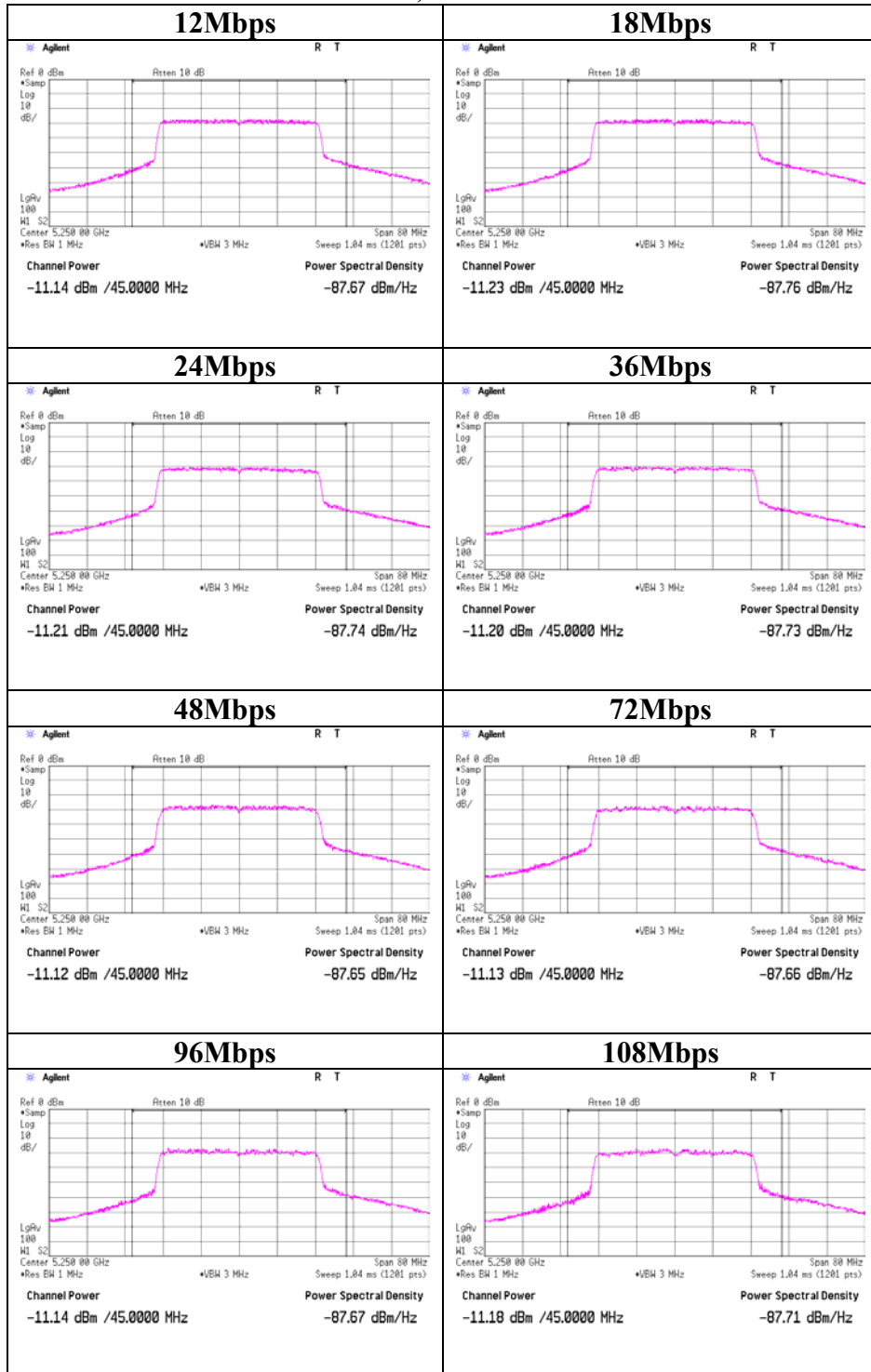
Sample Calculation:

Result = Reading + Cable Loss + Atten.Loss

Maximum Peak Output Power
Ant:A, Ch: 50



Maximum Peak Output Power
Ant:B, Ch: 50



Radiated Spurious Emission (below 1GHz)
11a, Tx, 5180MHz

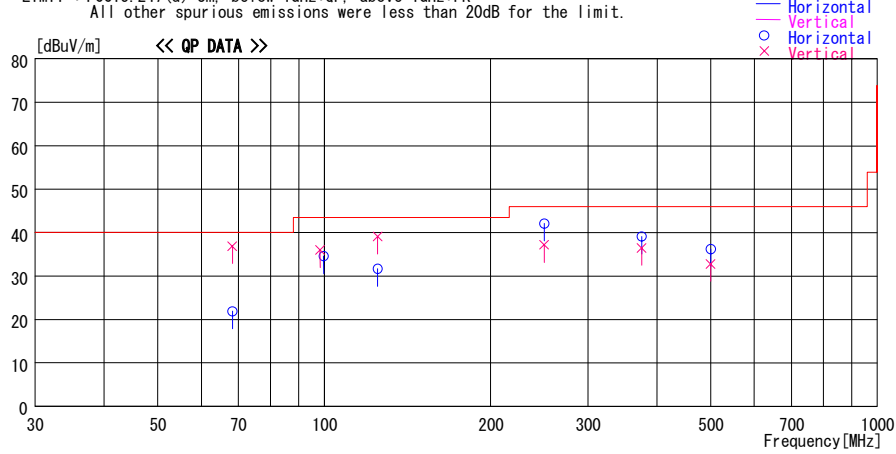
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks : 11a, Tx, 5180MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Loss & Gain [dB]							
68.252	39.8	QP	6.4	-24.3	21.9	153	300	Hori.	40.0	18.1	
68.228	54.8	QP	6.4	-24.3	36.9	130	100	Vert.	40.0	3.1	
99.790	49.1	QP	9.4	-23.9	34.6	293	178	Hori.	43.5	8.9	
98.285	50.8	QP	9.1	-23.9	36.0	216	266	Vert.	43.5	7.5	
125.004	42.0	QP	13.3	-23.6	31.7	84	130	Hori.	43.5	11.8	
125.002	49.4	QP	13.3	-23.6	39.1	230	100	Vert.	43.5	4.4	
249.997	47.3	QP	17.3	-22.5	42.1	206	137	Hori.	46.0	3.9	
249.995	42.4	QP	17.3	-22.5	37.2	0	100	Vert.	46.0	8.8	
375.001	43.9	QP	16.7	-21.5	39.1	173	241	Hori.	46.0	6.9	
374.995	41.3	QP	16.7	-21.5	36.5	227	100	Vert.	46.0	9.5	
499.996	38.3	QP	18.6	-20.7	36.2	182	100	Hori.	46.0	9.8	
500.003	34.9	QP	18.6	-20.7	32.8	210	213	Vert.	46.0	13.2	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Tx, 5220MHz

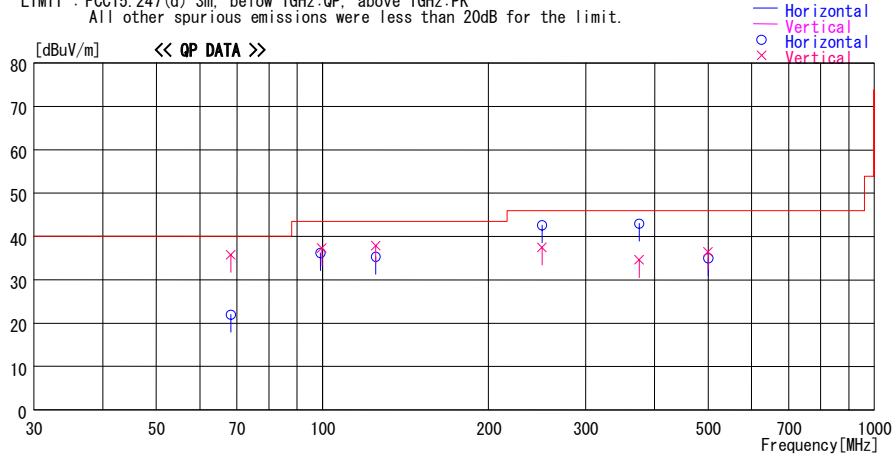
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks : 11a, Tx, 5220MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Loss & Gain [dB]							
68.223	39.9	QP	6.4	-24.3	22.0	154	300	Hori.	40.0	18.0	
68.254	53.7	QP	6.4	-24.3	35.8	129	100	Vert.	40.0	4.2	
99.224	50.8	QP	9.3	-23.9	36.2	111	300	Hori.	43.5	7.3	
99.754	51.8	QP	9.4	-23.9	37.3	221	236	Vert.	43.5	6.2	
125.001	45.6	QP	13.3	-23.6	35.3	119	157	Hori.	43.5	8.2	
125.002	48.2	QP	13.3	-23.6	37.9	230	100	Vert.	43.5	5.6	
250.003	47.8	QP	17.3	-22.5	42.6	197	143	Hori.	46.0	3.4	
249.995	42.7	QP	17.3	-22.5	37.5	359	100	Vert.	46.0	8.5	
374.998	47.8	QP	16.7	-21.5	43.0	200	248	Hori.	46.0	3.0	
374.989	39.4	QP	16.7	-21.5	34.6	224	100	Vert.	46.0	11.4	
500.002	37.1	QP	18.6	-20.7	35.0	199	100	Hori.	46.0	11.0	
500.002	38.6	QP	18.6	-20.7	36.5	217	212	Vert.	46.0	9.5	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Tx, 5240MHz

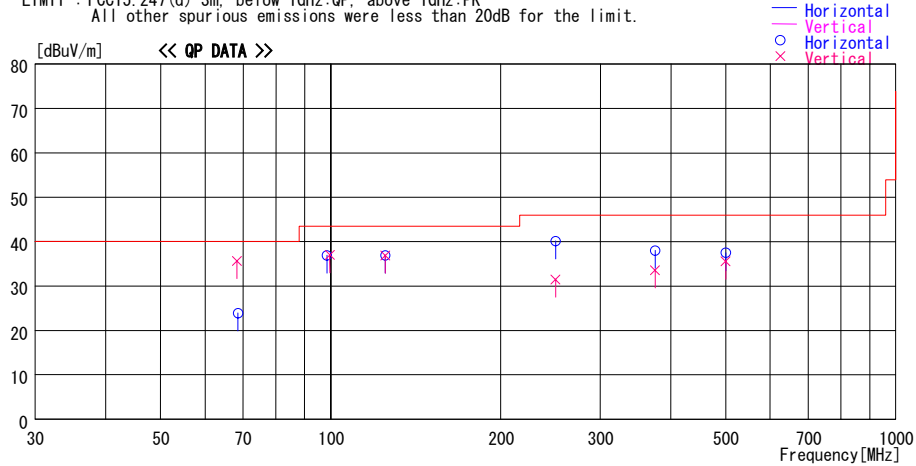
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks : 11a, Tx, 5240MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Loss & Gain [dB]							
68.543	41.8	QP	6.4	-24.3	23.9	152	300	Hori.	40.0	16.1	
68.304	53.6	QP	6.4	-24.3	35.7	124	100	Vert.	40.0	4.3	
98.418	51.6	QP	9.2	-23.9	36.9	115	300	Hori.	43.5	6.6	
99.698	51.5	QP	9.4	-23.9	37.0	224	172	Vert.	43.5	6.5	
125.002	47.2	QP	13.3	-23.6	36.9	121	142	Hori.	43.5	6.6	
125.028	47.2	QP	13.3	-23.6	36.9	231	100	Vert.	43.5	6.6	
250.002	45.4	QP	17.3	-22.5	40.2	152	117	Hori.	46.0	5.8	
249.995	36.7	QP	17.3	-22.5	31.5	359	100	Vert.	46.0	14.5	
375.003	42.8	QP	16.7	-21.5	38.0	237	100	Hori.	46.0	8.0	
374.994	38.4	QP	16.7	-21.5	33.6	228	123	Vert.	46.0	12.4	
499.996	39.6	QP	18.6	-20.7	37.5	272	100	Hori.	46.0	8.5	
500.007	37.7	QP	18.6	-20.7	35.6	182	240	Vert.	46.0	10.4	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Tx, 5260MHz

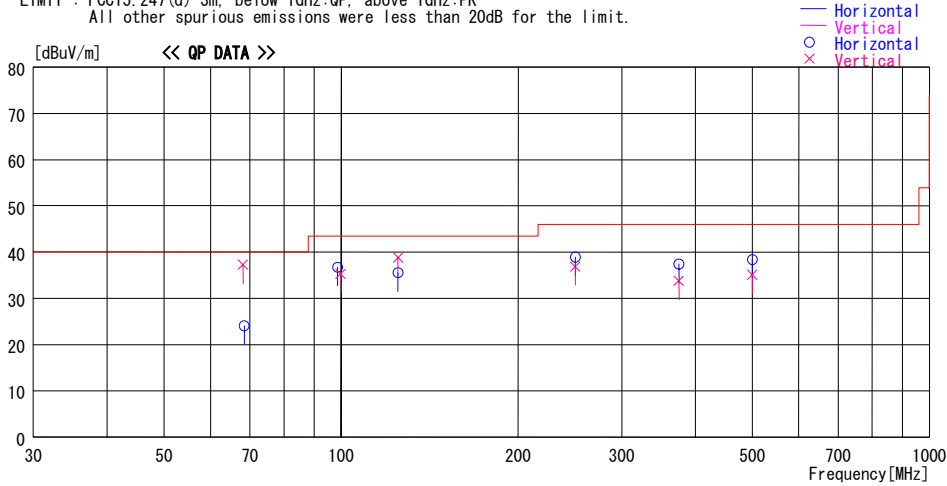
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks : 11a, Tx, 5260MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
68.436	42.0	QP	6.4	-24.3	24.1	162	300	Hori.	40.0	15.9	
68.146	55.2	QP	6.4	-24.3	37.3	124	100	Vert.	40.0	2.7	
98.578	51.5	QP	9.2	-23.9	36.8	138	300	Hori.	43.5	6.7	
99.888	49.8	QP	9.4	-23.9	35.3	222	185	Vert.	43.5	8.2	
125.001	45.9	QP	13.3	-23.6	35.6	122	142	Hori.	43.5	7.9	
125.001	49.1	QP	13.3	-23.6	38.8	255	100	Vert.	43.5	4.7	
249.997	44.2	QP	17.3	-22.5	39.0	138	114	Hori.	46.0	7.0	
249.996	42.1	QP	17.3	-22.5	36.9	359	100	Vert.	46.0	9.1	
374.998	42.2	QP	16.7	-21.5	37.4	227	100	Hori.	46.0	8.6	
375.002	38.6	QP	16.7	-21.5	33.8	80	114	Vert.	46.0	12.2	
499.995	40.5	QP	18.6	-20.7	38.4	284	100	Hori.	46.0	7.6	
499.997	37.2	QP	18.6	-20.7	35.1	203	212	Vert.	46.0	10.9	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Tx, 5300MHz

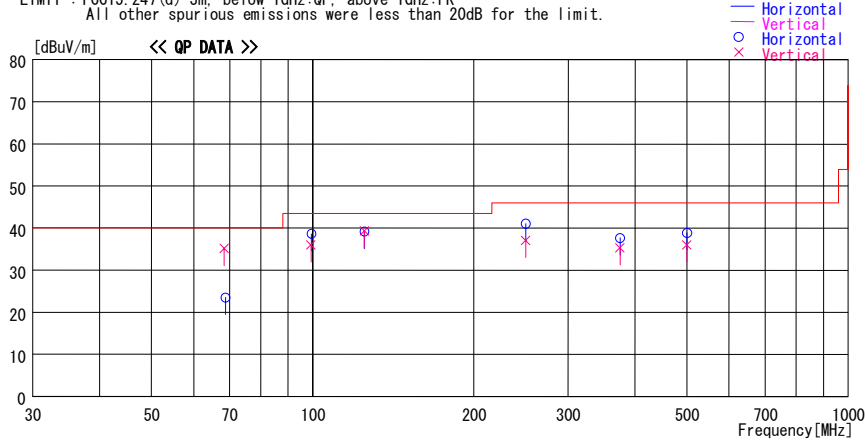
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks: 11a, Tx, 5300MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss &	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain					[dBuV/m]	[dB]	
68.712	41.4	QP	6.4	-24.3	23.5	153	300	Hori.	40.0	16.5	
68.361	53.1	QP	6.4	-24.3	35.2	127	100	Vert.	40.0	4.8	
99.538	53.1	QP	9.4	-23.9	38.6	129	300	Hori.	43.5	4.9	
99.298	50.6	QP	9.3	-23.9	36.0	229	217	Vert.	43.5	7.5	
124.991	49.5	QP	13.3	-23.6	39.2	157	140	Hori.	43.5	4.3	
124.996	49.6	QP	13.3	-23.6	39.3	255	100	Vert.	43.5	4.2	
250.003	46.3	QP	17.3	-22.5	41.1	156	131	Hori.	46.0	4.9	
250.002	42.3	QP	17.3	-22.5	37.1	290	100	Vert.	46.0	9.9	
374.998	42.5	QP	16.7	-21.5	37.7	225	100	Hori.	46.0	8.3	
374.998	40.1	QP	16.7	-21.5	35.3	290	121	Vert.	46.0	10.7	
499.998	41.0	QP	18.6	-20.7	38.9	251	100	Hori.	46.0	7.1	
499.996	38.1	QP	18.6	-20.7	36.0	170	211	Vert.	46.0	10.0	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Tx, 5320MHz

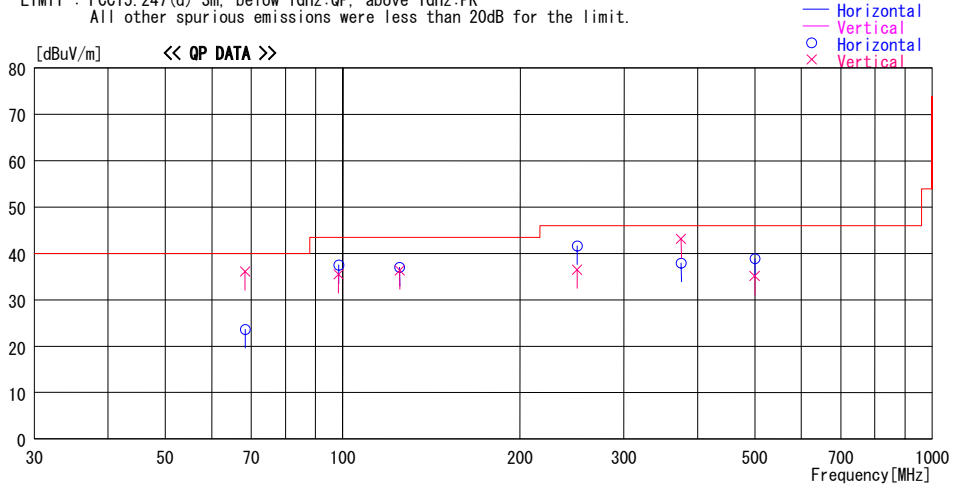
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/19

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 18deg. C. / 31%
Serial No. : 0080920115A7 Engineer : Satofumi Matsuyama

Mode / Remarks : 11a, Tx, 5320MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
68.367	41.5	QP	6.4	-24.3	23.6	183	300	Hori.	40.0	16.4	
68.297	54.0	QP	6.4	-24.3	36.1	128	100	Vert.	40.0	3.9	
98.544	52.2	QP	9.2	-23.9	37.5	147	300	Hori.	43.5	6.0	
98.401	50.2	QP	9.2	-23.9	35.5	212	205	Vert.	43.5	8.0	
124.996	47.3	QP	13.3	-23.6	37.0	143	139	Hori.	43.5	6.5	
124.999	46.6	QP	13.3	-23.6	36.3	247	100	Vert.	43.5	7.2	
249.998	46.8	QP	17.3	-22.5	41.6	128	132	Hori.	46.0	4.4	
250.001	41.7	QP	17.3	-22.5	36.5	10	100	Vert.	46.0	9.5	
375.001	42.7	QP	16.7	-21.5	37.9	227	100	Hori.	46.0	8.1	
374.996	47.9	QP	16.7	-21.5	43.1	239	109	Vert.	46.0	2.9	
500.002	41.0	QP	18.6	-20.7	38.9	242	100	Hori.	46.0	7.1	
499.996	37.2	QP	18.6	-20.7	35.1	205	203	Vert.	46.0	10.9	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Rx, 5220MHz

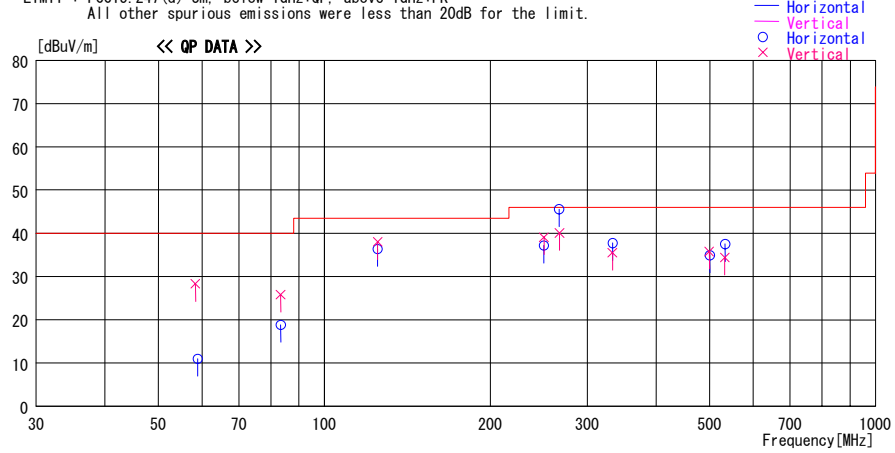
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 23deg. C. / 34%
Serial No. : 0080920115A7 Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx, 5220MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Gain [dB]							
58.376	44.5	QP	8.3	-24.5	28.3	119	100	Vert.	40.0	11.7	
58.891	27.2	QP	8.2	-24.4	11.0	232	100	Hori.	40.0	29.0	
83.328	36.0	QP	6.8	-24.0	18.8	306	141	Hori.	40.0	21.2	
83.329	43.0	QP	6.8	-24.0	25.8	146	100	Vert.	40.0	14.2	
124.994	46.8	QP	13.1	-23.5	36.4	61	331	Hori.	43.5	7.1	
125.003	48.4	QP	13.1	-23.5	38.0	238	100	Vert.	43.5	5.5	
249.975	42.1	QP	17.6	-22.5	37.2	339	123	Hori.	46.0	8.8	
250.321	44.0	QP	17.6	-22.5	39.1	324	100	Vert.	46.0	6.9	
266.672	49.4	QP	18.5	-22.3	45.6	352	118	Hori.	46.0	0.4	
267.061	43.9	QP	18.5	-22.3	40.1	315	100	Vert.	46.0	5.9	
333.329	40.5	QP	16.9	-21.9	35.5	69	221	Vert.	46.0	10.5	
333.341	42.8	QP	16.9	-21.9	37.8	163	100	Hori.	46.0	8.3	
499.504	37.4	QP	19.2	-20.8	35.8	206	100	Vert.	46.0	10.2	
499.998	36.5	QP	19.2	-20.8	34.9	5	100	Hori.	46.0	11.1	
533.104	35.4	QP	19.6	-20.6	34.4	203	100	Vert.	46.0	11.6	
533.324	38.5	QP	19.6	-20.6	37.5	130	100	Hori.	46.0	8.5	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
11a, Rx, 5300MHz

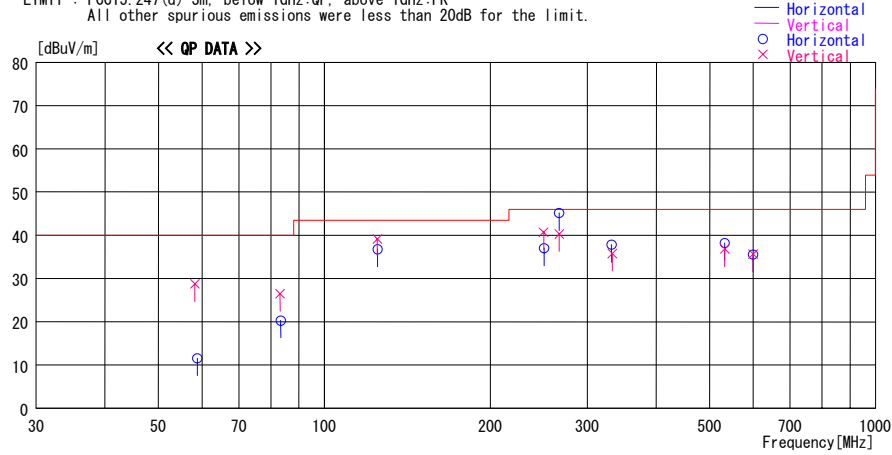
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc. Report No. : 29EE0161-HO-01
Kind of EUT : Wireless 11abg Adapter Power : DC 3.3V (AC 120V / 60Hz)
Model No. : SX-10WAG-IT Temp./Humi. : 23deg. C. / 34%
Serial No. : 0080920115A7 Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx, 5300MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
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]	Comment
			Factor [dB/m]	Gain [dB]							
58.814	27.8	QP	8.2	-24.4	11.6	211	100	Hori.	40.0	28.4	
58.221	44.8	QP	8.4	-24.5	28.7	112	100	Vert.	40.0	11.3	
83.414	37.5	QP	6.8	-24.0	20.3	304	145	Hori.	40.0	19.7	
83.131	43.7	QP	6.8	-24.0	26.5	145	100	Vert.	40.0	13.5	
125.000	47.2	QP	13.1	-23.5	36.8	65	334	Hori.	43.5	6.7	
124.769	49.7	QP	13.1	-23.6	39.2	239	100	Vert.	43.5	4.3	
250.331	41.9	QP	17.6	-22.5	37.0	334	122	Hori.	46.0	9.0	
250.001	45.6	QP	17.6	-22.5	40.7	331	100	Vert.	46.0	5.3	
266.667	49.0	QP	18.5	-22.3	45.2	342	119	Hori.	46.0	0.8	
266.711	44.1	QP	18.5	-22.3	40.3	321	100	Vert.	46.0	5.7	
332.111	42.9	QP	16.8	-21.9	37.8	166	100	Hori.	46.0	8.2	
333.000	40.9	QP	16.8	-21.9	35.8	75	100	Vert.	46.0	10.2	
533.104	39.2	QP	19.6	-20.6	38.2	134	100	Hori.	46.0	7.8	
533.102	37.8	QP	19.6	-20.6	36.8	212	100	Vert.	46.0	9.2	
599.605	35.6	QP	20.3	-20.3	35.6	100	100	Hori.	46.0	10.4	
599.920	35.7	QP	20.3	-20.3	35.7	27	100	Vert.	46.0	10.3	

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

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

11a, Tx, 5180MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5180MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Test Distance : 3m (below 10GHz), 1m (above 10GHz)
Date : 01/28/2009 01/30/2009
Temperature : 23 deg.C. 22 deg.C.
Humidity : 33 % 37 %
Engineer : Motoya Imura Satofumi Matsuyama

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	5150.0	56.1	55.0	31.5	31.3	3.8	0.0	60.1	59.0	73.9	13.8	14.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	15540.0	59.7	59.1	38.2	29.7	6.8	1.4	66.9	66.3	73.9	7.0	7.6
3	20720.0	49.5	50.1	40.0	29.9	7.4	0.0	57.5	58.1	73.9	16.4	15.8

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	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5150.0	38.0	37.8	31.5	31.3	3.8	0.0	42.0	41.8	53.9	11.9	12.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	15540.0	45.7	44.2	38.2	29.7	6.8	1.4	52.9	51.4	53.9	1.0	2.5
3	20720.0	35.6	37.1	40.0	29.9	7.4	0.0	43.6	45.1	53.9	10.3	8.8

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) =

9.5 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

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

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

11a, Tx, 5220MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company silex technology, Inc.
Equipment Wireless 11abg Adapter
Model SX-10WAG-IT
S/N 0080920115A5
Power DC 3.3V (AC 120V/60Hz)
Mode 11a, Tx, 5220MHz, 24Mbps, Ant A
EUT-Axis (Worst) H: Y-axis, V: Z-axis
Ant-Axis (Worst) H: X-axis, V: Y-axis

Regulation FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Test Distance 3m(below 10GHz)1m (above 10GHz), 0.5m (above 26.5GHz)
Date 01/30/2009
Temperature 22 deg.C.
Humidity 37 %
Engineer Satofumi Matsuyama

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15660.0	56.9	55.6	37.7	29.7	6.7	1.3	63.4	62.1	73.9	10.5	11.8
2	20880.0	49.7	51.0	40.0	29.8	7.4	0.0	57.8	59.1	73.9	16.1	14.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31320.0	NS	NS	-	-	-	-	-	-	73.9	-	-

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	VER					HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15660.0	43.8	42.1	37.7	29.7	6.7	1.3	50.3	48.6	53.9	3.6	5.3
2	20880.0	37.8	38.7	40.0	29.8	7.4	0.0	45.9	46.8	53.9	8.0	7.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31320.0	NS	NS	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

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

11a, Tx, 5240MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5240MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Test Distance : 3m(below 10GHz)1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/31/2009
Temperature : 21 deg.C.
Humidity : 44 %
Engineer : Kazuya Yoshioka

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15720.0	59.9	50.5	38.6	29.7	6.7	1.3	67.3	57.9	73.9	6.6	16.0
2	20960.0	52.0	54.2	37.6	29.8	7.5	0.0	57.8	60.0	73.9	16.1	13.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31440.0	NS	NS	-	-	-	-	-	-	73.9	-	-

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15720.0	45.8	43.4	38.6	29.7	6.7	1.3	53.2	50.8	53.9	0.7	3.1
2	20960.0	38.1	40.4	37.6	29.8	7.5	0.0	43.9	46.2	53.9	10.0	7.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31440.0	NS	NS	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

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

11a, Tx, 5260MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company silex technology, Inc.
Equipment Wireless 11abg Adapter
Model SX-10WAG-IT
S/N 0080920115A5
Power DC 3.3V (AC 120V/60Hz)
Mode 11a, Tx, 5260MHz, 24Mbps, Ant A
EUT-Axis (Worst) H: Y-axis, V: Z-axis
Ant-Axis (Worst) H: X-axis, V: Y-axis

Regulation FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Test Distance 3m(below 10GHz)1m (above 10GHz), 0.5m (above 26.5GHz)
Date 01/31/2009
Temperature 21 deg.C.
Humidity 44 %
Engineer Kazuya Yoshioka

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15780.0	58.8	55.8	38.5	29.7	6.7	1.3	66.1	63.1	73.9	7.8	10.8
2	21040.0	52.0	53.9	37.6	29.8	7.5	0.0	57.8	59.7	73.9	16.1	14.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31560.0	NS	NS	-	-	-	-	-	-	73.9	-	-

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	VER					HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	15780.0	44.6	42.1	38.5	29.7	6.7	1.3	51.9	49.4	53.9	2.0	4.5
2	21040.0	38.7	41.1	37.6	29.8	7.5	0.0	44.5	46.9	53.9	9.4	7.0
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
3	31560.0	NS	NS	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)
11a, Tx, 5300MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company silix technology, Inc.

Regulation FCC Part15 Subpart C 15.209 / RSS-210 A9.3

Equipment Wireless 11abg Adapter

Test Distance 3m(below 10GHz)1m (above 10GHz), 0.5m (above 26.5GHz)

Model SX-10WAG-IT

Date 01/31/2009

S/N 0080920115A5

Temperature 21 deg.C.

Power DC 3.3V (AC 120V/60Hz)

Humidity 44 %

Mode 11a, Tx, 5300MHz, 24Mbps, Ant A

Engineer Kazuya Yoshioka

EUT-Axis (Worst) H: Y-axis, V: Z-axis

Ant-Axis (Worst) H: X-axis, V: Y-axis

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	10600.0	62.0	58.9	39.4	31.6	5.4	1.1	66.8	63.7	73.9	7.1	10.2
2	15900.0	56.8	52.0	38.2	29.8	6.7	1.2	63.6	58.8	73.9	10.3	15.1
3	21200.0	52.9	54.9	37.6	29.7	7.5	0.0	58.8	60.8	73.9	15.1	13.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
4	31800.0	NS	NS	-	-	-	-	-	-	73.9	-	-

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 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
1	10600.0	48.9	46.7	39.4	31.6	5.4	1.1	53.7	51.5	53.9	0.2	2.4
2	15900.0	43.3	38.9	38.2	29.8	6.7	1.2	50.1	45.7	53.9	3.8	8.2
3	21200.0	41.3	41.6	37.6	29.7	7.5	0.0	47.2	47.5	53.9	6.7	6.4
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
4	31800.0	NS	NS	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)
11a, Tx, 5320MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company	silex technology, Inc.	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless 11abg Adapter	Test Distance	3m (below 10GHz), 1m (above 10GHz)
Model	SX-10WAG-IT	Date	01/28/2009 01/30/2009
S/N	0080920115A5	Temperature	23 deg.C. 22 deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity	33 % 37 %
Mode	11a, Tx, 5320MHz, 24Mbps, Ant A	Engineer	Motoya Imura Satofumi Matsuyama
EUT-Axis	(Worst) H: Y-axis, V: Z-axis		
Ant-Axis	(Worst) H: X-axis, V: Y-axis		

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	5350.0	58.2	59.0	31.4	31.2	3.8	0.0	62.2	63.0	73.9	11.7	10.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	10640.0	59.2	57.0	39.6	31.5	5.4	1.1	64.3	62.1	73.9	9.6	11.8
3	15960.0	55.7	52.4	36.7	29.8	6.8	1.1	61.0	57.7	73.9	12.9	16.2
4	21280.0	48.6	51.8	40.1	29.7	7.5	0.0	57.0	60.2	73.9	16.9	13.7

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	5350.0	39.6	39.4	31.4	31.2	3.8	0.0	43.6	43.4	53.9	10.3	10.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	10640.0	48.0	47.4	39.6	31.5	5.4	1.1	53.1	52.5	53.9	0.8	1.4
3	15960.0	45.0	44.1	36.7	29.8	6.8	1.1	50.3	49.4	53.9	3.6	4.5
4	21280.0	36.7	39.0	40.1	29.7	7.5	0.0	45.1	47.4	53.9	8.8	6.5

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

9.5 dB

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

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

*The limit is rounded down to one decimal place.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

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

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

***used conversion formula**

11a, Tx, 5180MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5180MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Test Distance : 3m(below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/28/2009 01/30/2009
Temperature : 23 deg.C. 22 deg.C.
Humidity : 33 % 37 %
Engineer : Motoya Imura Satofumi Matsuyama

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	5150.00	56.1	55.0	31.5	31.3	3.8	0.0	60.1	59.0	-35.1	-36.2	-27.0	8.1	9.2
2	3453.30	50.8	50.2	28.7	32.0	3.2	0.0	50.7	50.1	-44.5	-45.1	-27.0	17.5	18.1
Test distance 1meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
3	10360.00	54.3	54.1	39.4	31.8	5.3	1.2	58.9	58.7	-36.3	-36.5	-27.0	9.3	9.5
4	25900.00	45.4	46.2	40.7	28.6	8.1	0.0	56.1	56.9	-39.1	-38.3	-27.0	12.1	11.3
Test distance 0.5meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
5	31080.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
6	36260.00	40.4	40.5	43.3	25.1	16.8	0.0	59.8	59.9	-35.4	-35.3	-27.0	8.4	8.3

Result(EIRP[dBm])=10*LOG(((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

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

***used conversion formula**

11a, Tx, 5220MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5220MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Test Distance : 3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/29/2009 01/30/2009
Temperature : 24 deg.C. 22 deg.C.
Humidity : 41 % 37 %
Engineer : Satofumi Matsuyama Satofumi Matsuyama

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	3479.92	50.6	49.6	28.7	32.0	3.2	0.0	50.5	49.5	-44.7	-45.7	-27.0	17.7	18.7
Test distance 1meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10440.00	55.9	53.4	39.5	31.7	5.4	1.1	60.7	58.2	-34.5	-37.0	-27.0	7.5	10.0
3	26100.00	45.2	45.4	40.6	28.6	8.1	0.0	55.8	56.0	-39.4	-39.2	-27.0	12.4	12.2
Test distance 0.5meters, Electric Field Strength = Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	36540.00	40.4	40.9	43.5	25.0	16.9	0.0	60.2	60.7	-35.0	-34.5	-27.0	8.0	7.5

Result(EIRP[dBm])=10*LOG(({ 10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m] } ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

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

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

*used conversion formula

11a, Tx, 5240MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company	silex technology, Inc.	Regulation	FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Equipment	Wireless 11abg Adapter	Test Distance	3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	SX-10WAG-IT	Date	01/29/2009 01/31/2009
S/N	0080920115A5	Temperature	24 deg.C. 21 deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity	41 % 44 %
Mode	11a, Tx, 5240MHz, 24Mbps, Ant A	Engineer	Satofumi Matsuyama Kazuya Yoshioka
EUT-Axis	(Worst) H: Y-axis, V: Z-axis		
Ant-Axis	(Worst) H: X-axis, V: Y-axis		

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Limit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	3493.35	50.9	49.4	28.7	32.0	3.2	0.0	50.8	49.3	-44.4	-45.9	-27.0	17.4	18.9
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10480.00	57.8	55.1	39.3	31.7	5.4	1.1	62.4	59.7	-32.8	-35.5	-27.0	5.8	8.5
3	26200.00	46.8	46.8	39.1	28.5	8.2	0.0	56.1	56.1	-39.1	-39.1	-27.0	12.1	12.1
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	36680.00	41.5	41.7	43.6	25.0	16.9	0.0	61.4	61.6	-33.8	-33.6	-27.0	6.8	6.6

Result(EIRP[dBm])=10*LOG(((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

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

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

***used conversion formula**

11a, Tx, 5260MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5260MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Test Distance : 3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/29/2009 01/31/2009
Temperature : 24 deg.C. 21 deg.C.
Humidity : 41 % 44 %
Engineer : Satofumi Matsuyama Kazuya Yoshioka

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Limit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	3506.67	50.8	49.8	28.7	31.9	3.2	0.0	50.8	49.8	-44.4	-45.4	-27.0	17.4	18.4
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10520.00	60.4	57.0	39.3	31.6	5.4	1.1	65.1	61.7	-30.1	-33.5	-27.0	3.1	6.5
3	26300.00	47.4	46.8	39.2	28.5	8.3	0.0	56.9	56.3	-38.3	-38.9	-27.0	11.3	11.9
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	36820.00	41.9	42.0	43.6	24.9	17.0	0.0	62.0	62.1	-33.2	-33.1	-27.0	6.2	6.1

Result(EIRP[dBm])=10*LOG(({ 10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2 } / 30) *10^-3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

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

***used conversion formula**

11a, Tx, 5300MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company	silex technology, Inc.	Regulation	FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Equipment	Wireless 11abg Adapter	Test Distance	3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	SX-10WAG-IT	Date	01/29/2009 01/31/2009
S/N	0080920115A5	Temperature	24 deg.C. 21 deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity	41 % 44 %
Mode	11a, Tx, 5300MHz, 24Mbps, Ant A	Engineer	Satofumi Matsuyama Kazuya Yoshioka
EUT-Axis	(Worst) H: Y-axis, V: Z-axis		
Ant-Axis	(Worst) H: X-axis, V: Y-axis		

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	3533.34	50.9	50.5	28.8	31.9	3.2	0.0	51.0	50.6	-44.2	-44.6	-27.0	17.2	17.6
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	26500.00	46.8	47.4	39.2	28.5	8.4	0.0	56.4	57.0	-38.8	-38.2	-27.0	11.8	11.2
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	37100.00	42.3	42.4	43.8	24.8	17.0	0.0	62.7	62.8	-32.5	-32.4	-27.0	5.5	5.4

Result(EIRP[dBm])=10*LOG(((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2 } / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

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

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

***used conversion formula**

11a, Tx, 5320MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Tx, 5320MHz, 24Mbps, Ant A
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Test Distance : 3m(below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/28/2009 01/30/2009
Temperature : 23 deg.C. 22 deg.C.
Humidity : 33 % 47 %
Engineer : Motoya Imura Satofumi Matsuyama

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	5350.00	58.2	59.0	31.4	31.2	3.8	0.0	62.2	63.0	-33.0	-32.2	-27.0	6.0	5.2
2	3546.68	50.1	49.6	28.8	31.9	3.2	0.0	50.2	49.7	-45.0	-45.5	-27.0	18.0	18.5
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	26600.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
4	31920.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
5	37240.00	42.2	42.4	43.8	24.7	17.0	0.0	62.7	62.9	-32.5	-32.3	-27.0	5.5	5.3

Result(EIRP[dBm])=10*LOG(((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2 } / 30) *10^3)

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.6 dB

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

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

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS : No detect signal

UL Japan, Inc.

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

Radiated Spurious Emission (above 1GHz, Receiver)
11a, Rx, 5220MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Rx, 5220MHz
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart B 15.109 / RSS-210 A9.3
Test Distance : 3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/28/2009
Temperature : 23 deg.C.
Humidity : 33 %
Engineer : Motoya Imura

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	3480.2	51.2	49.9	28.7	31.9	3.2	0.0	51.2	49.9	73.9	22.7	24.0
2	5220.0	42.0	41.9	31.5	31.2	3.8	0.0	46.1	46.0	73.9	27.8	27.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10440.0	41.1	41.0	39.5	31.7	4.9	0.0	44.3	44.2	73.9	29.6	29.7
4	15660.0	43.0	43.3	37.7	29.7	6.1	0.0	47.6	47.9	73.9	26.3	26.0

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	3480.2	48.5	46.0	28.7	31.9	3.2	0.0	48.5	46.0	53.9	5.4	7.9
2	5220.0	29.0	28.9	31.5	31.2	3.8	0.0	33.1	33.0	53.9	20.8	20.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10440.0	28.9	28.7	39.5	31.7	4.9	0.0	32.1	31.9	53.9	21.8	22.0
4	15660.0	30.4	30.3	37.7	29.7	6.1	0.0	35.0	34.9	53.9	18.9	19.0

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

9.5 dB

- * Except for the above table : All other spurious emissions were less than 20dB for the limit.
- * In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
- *The limit is rounded down to one decimal place.
- *The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz, Receiver)
11a, Rx, 5300MHz

UL Japan, Inc.

Head Office EMC Lab. No.2 Anechoic Chamber

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A5
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11a, Rx, 5300MHz
EUT-Axis : (Worst) H: Y-axis, V: Z-axis
Ant-Axis : (Worst) H: X-axis, V: Y-axis

Regulation : FCC Part15 Subpart B 15.109 / RSS-210 A9.3
Test Distance : 3m (below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Date : 01/28/2009
Temperature : 23 deg.C.
Humidity : 33 %
Engineer : Motoya Imura

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	3533.3	52.0	50.4	28.8	32.0	3.2	0.0	52.0	50.4	73.9	21.9	23.5
2	5300.0	42.2	42.7	31.5	31.2	3.8	0.0	46.3	46.8	73.9	27.6	27.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10600.0	41.2	41.3	39.6	31.6	4.9	0.0	44.6	44.7	73.9	29.3	29.2
4	15900.0	42.2	42.2	36.9	29.8	6.2	0.0	46.0	46.0	73.9	27.9	27.9

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	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3533.3	46.0	45.8	28.8	32.0	3.2	0.0	46.0	45.8	53.9	7.9	8.1
2	5300.0	28.9	28.7	31.5	31.2	3.8	0.0	33.0	32.8	53.9	20.9	21.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10600.0	28.7	28.7	39.6	31.6	4.9	0.0	32.1	32.1	53.9	21.8	21.8
4	15900.0	30.1	30.2	36.9	29.8	6.2	0.0	33.9	34.0	53.9	20.0	19.9

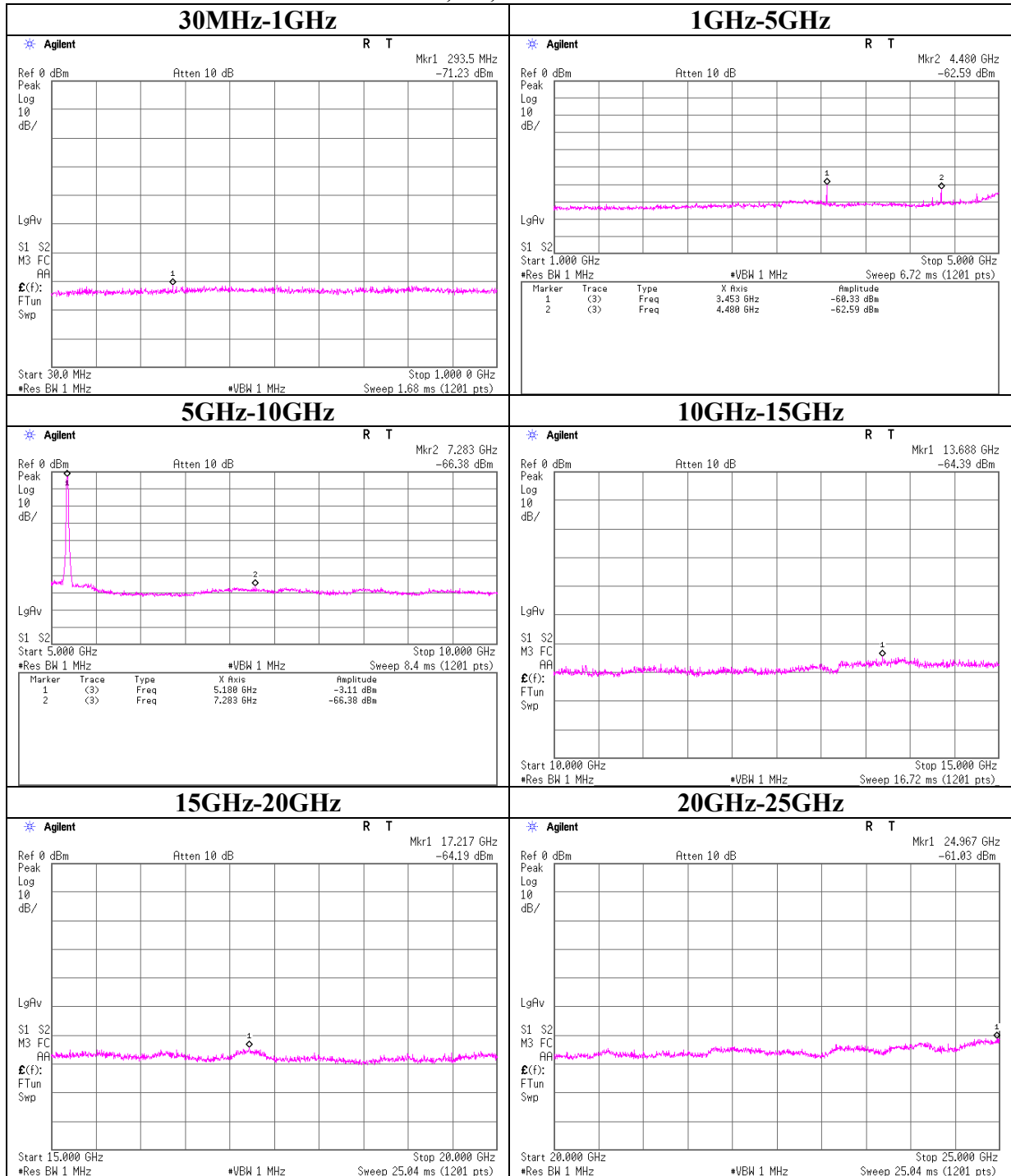
Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) =

9.5 dB

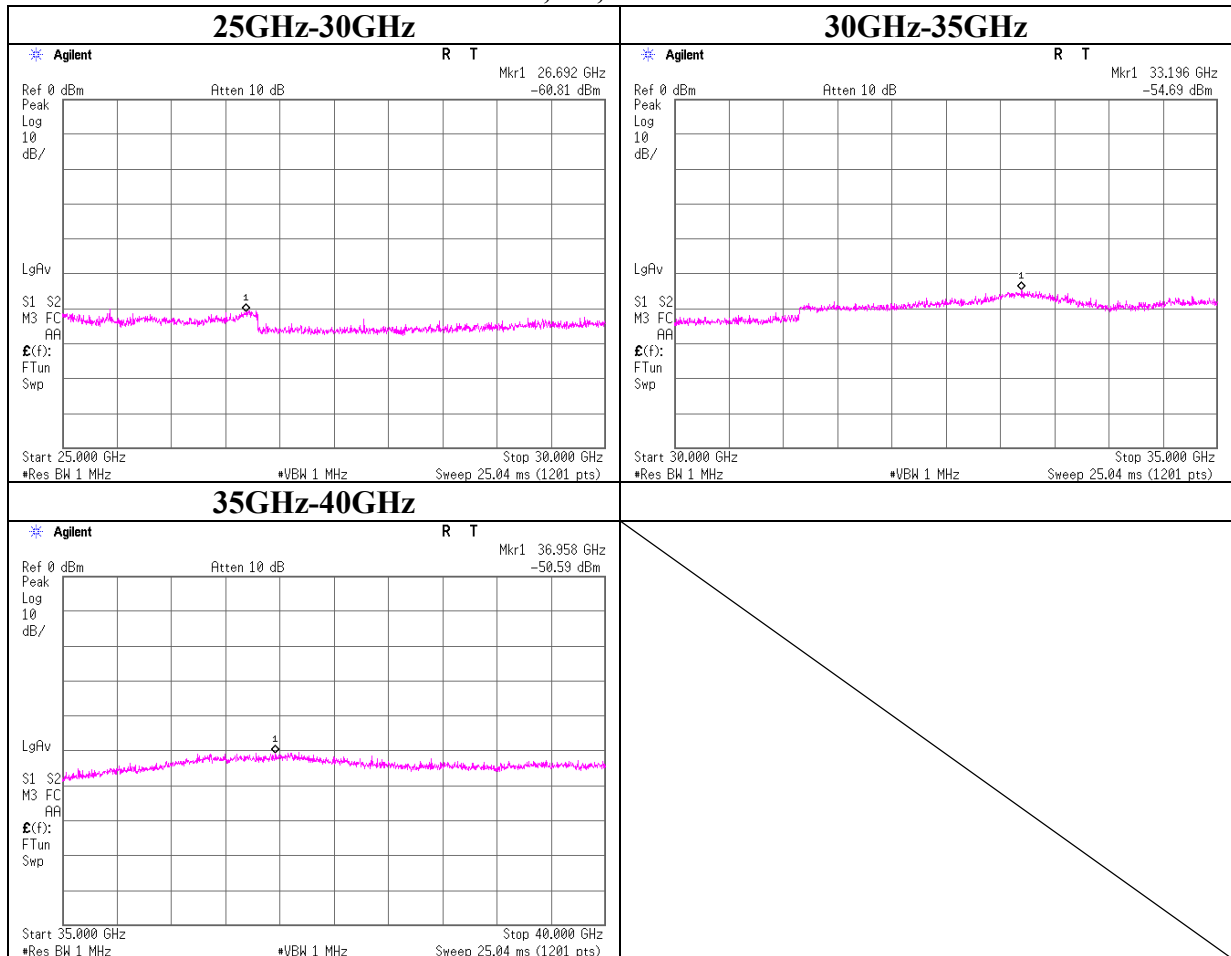
- * Except for the above table : All other spurious emissions were less than 20dB for the limit.
- * In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
- *The limit is rounded down to one decimal place.
- *The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Spurious Emission

11a, Tx, 5180MHz

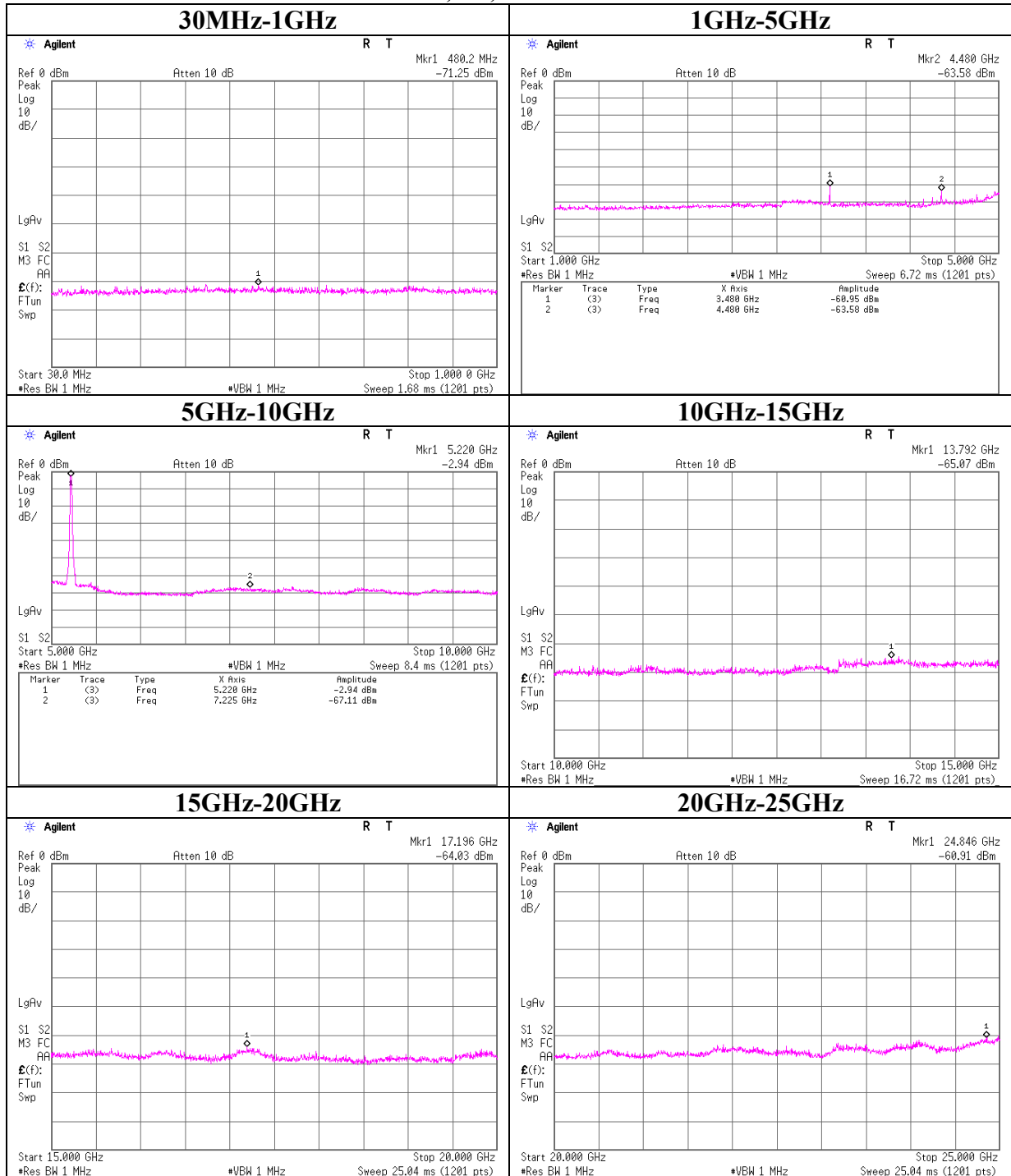


Conducted Spurious Emission
11a, Tx, 5180MHz

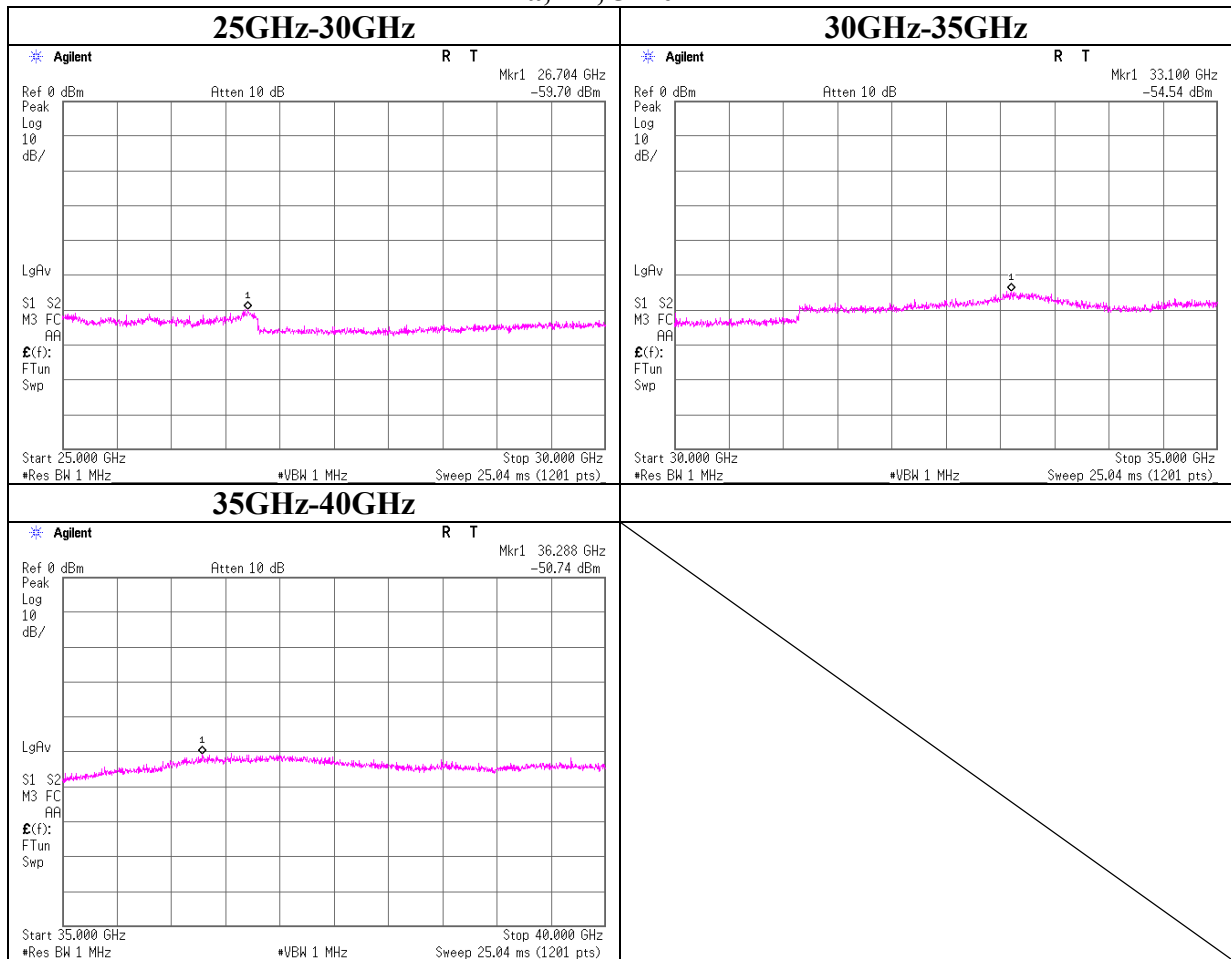


Conducted Spurious Emission

11a, Tx, 5220MHz

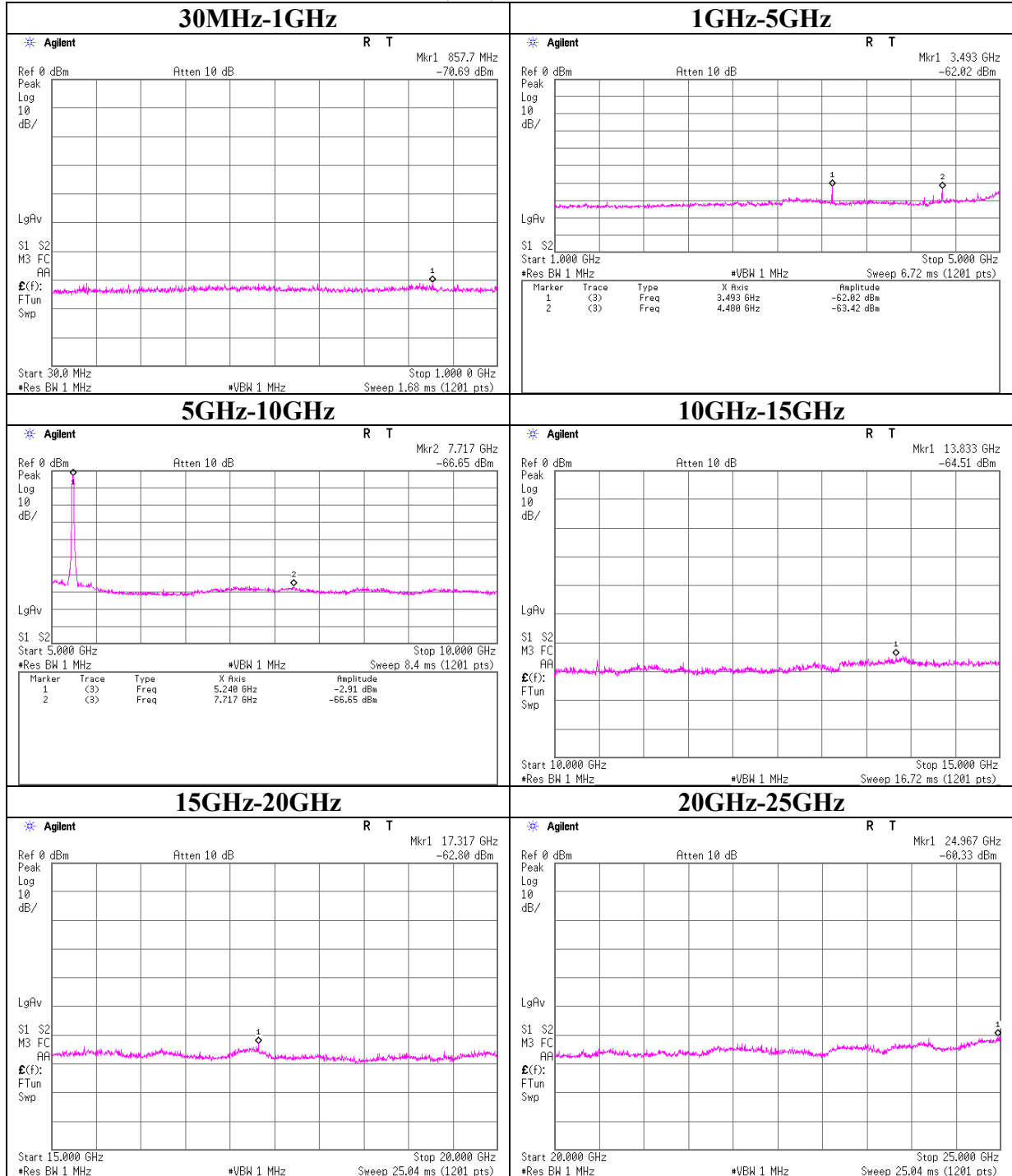


Conducted Spurious Emission
11a, Tx, 5220MHz

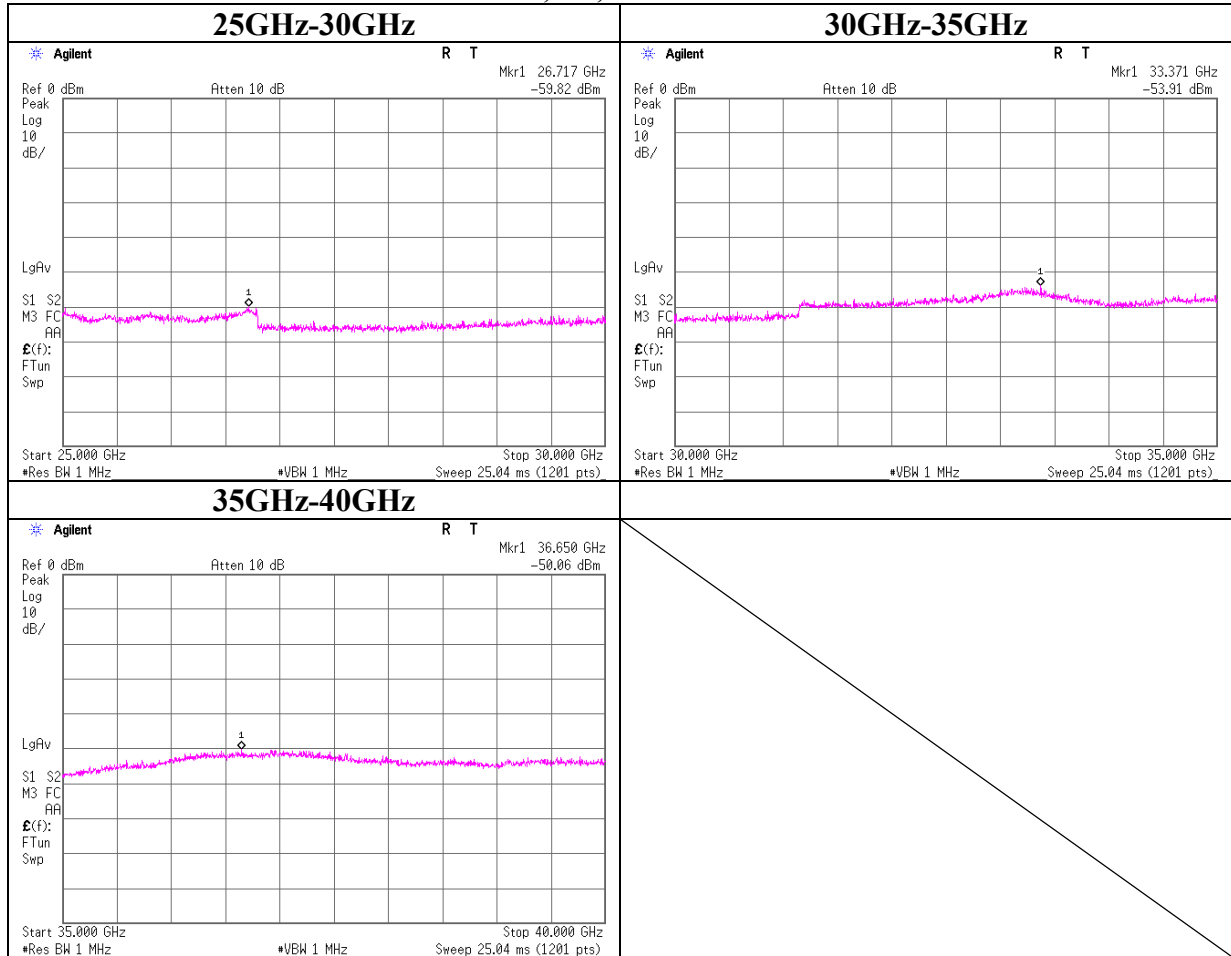


Conducted Spurious Emission

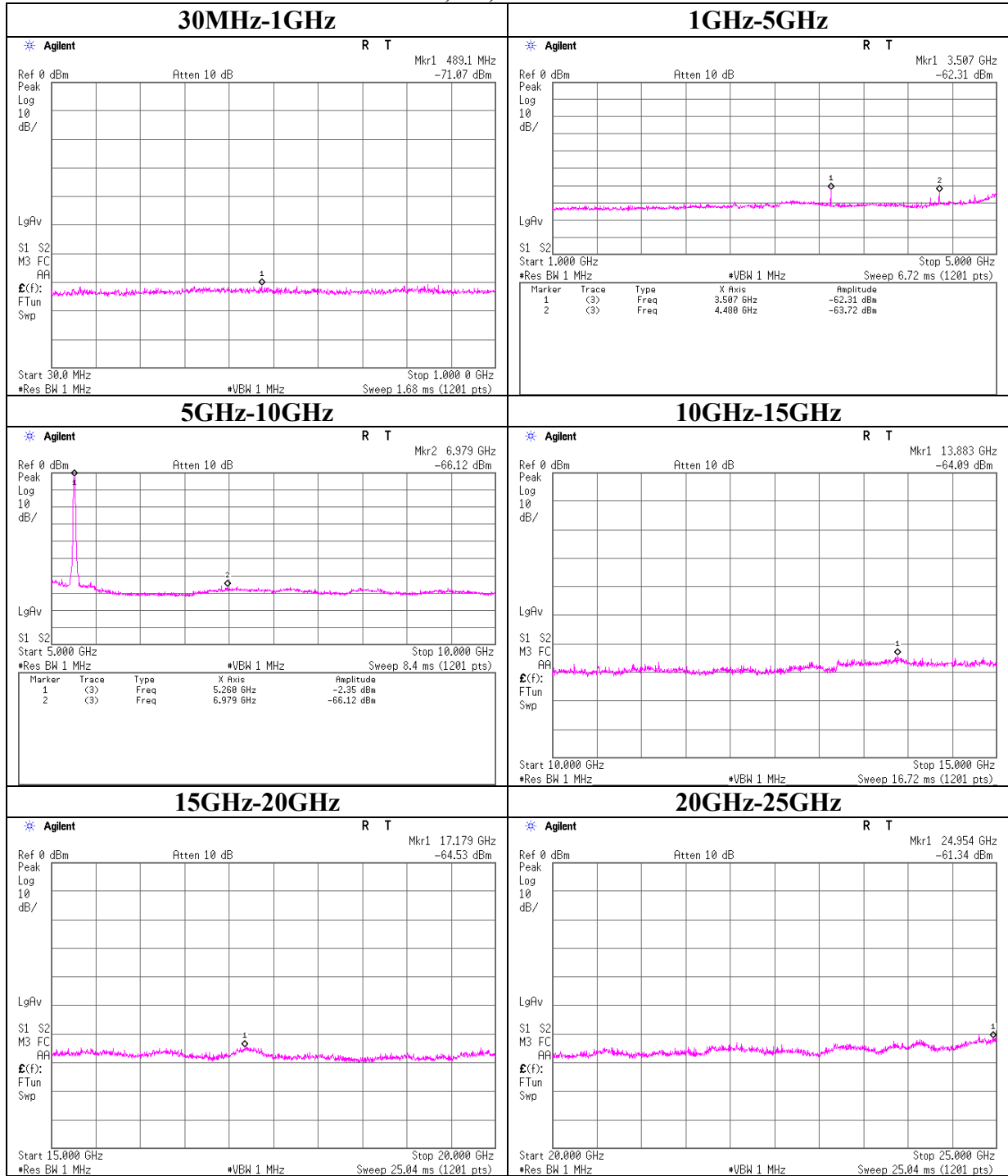
11a, Tx, 5240MHz



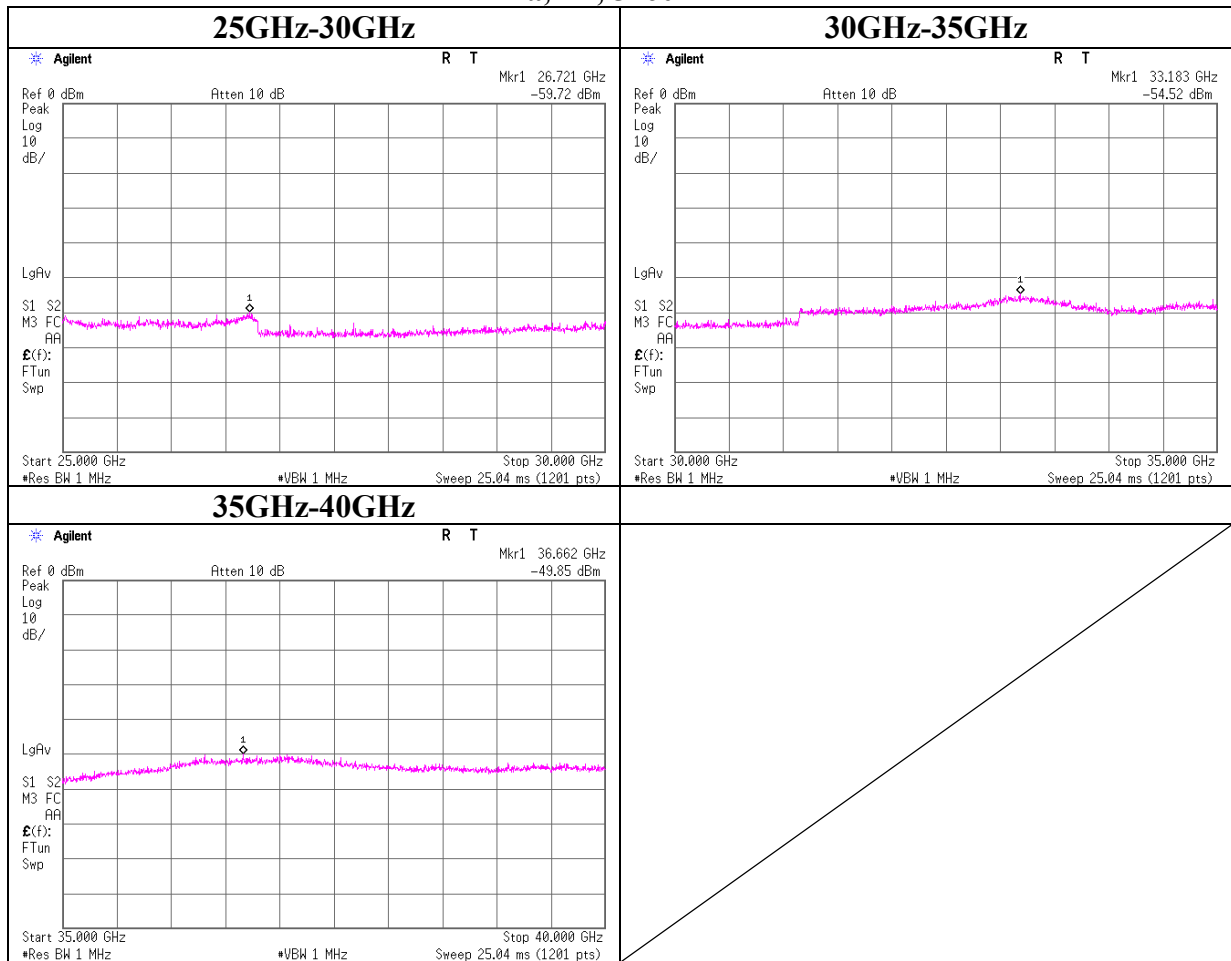
Conducted Spurious Emission
11a, Tx, 5240MHz



Conducted Spurious Emission
11a, Tx, 5260MHz

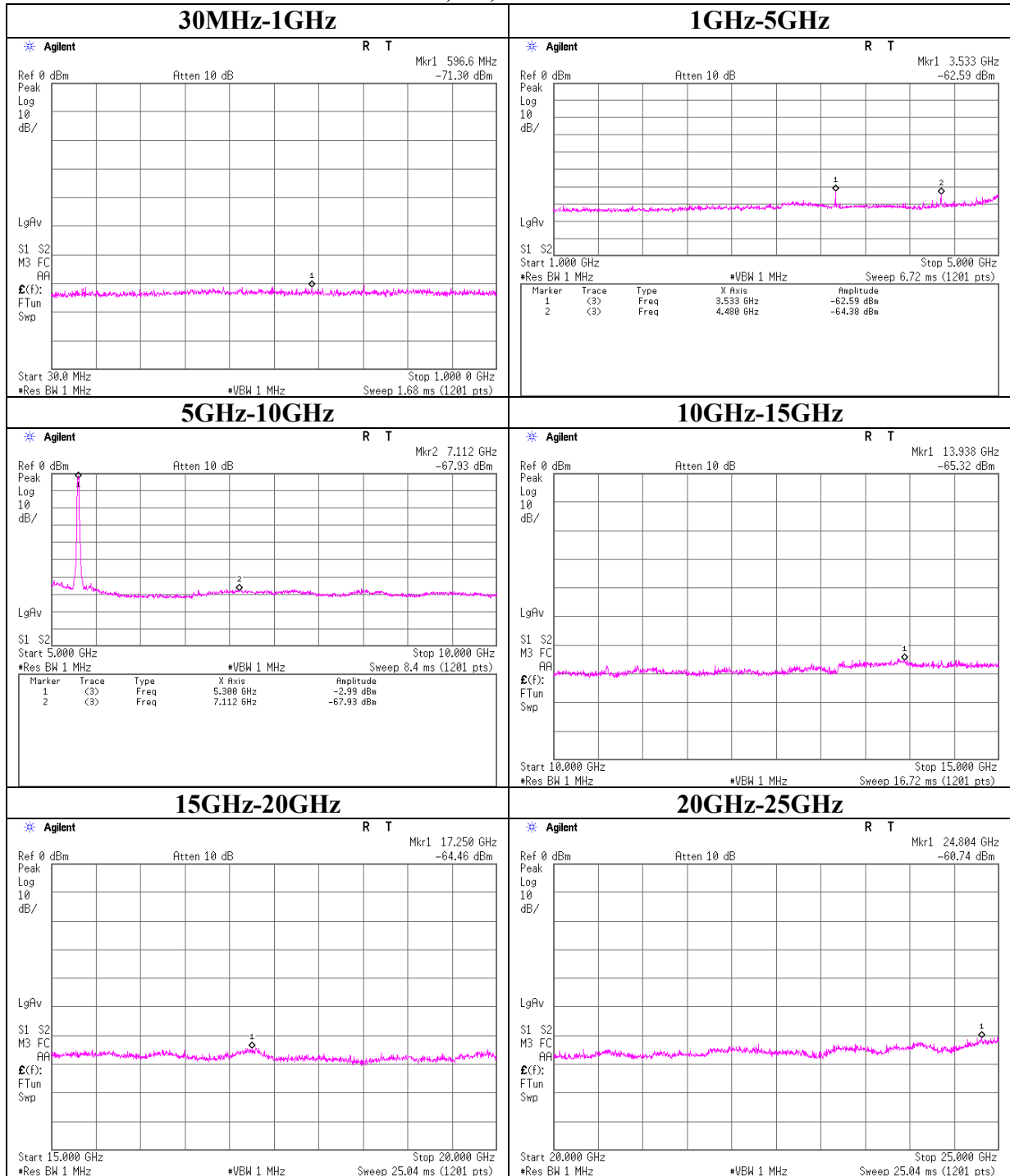


Conducted Spurious Emission
11a, Tx, 5260MHz

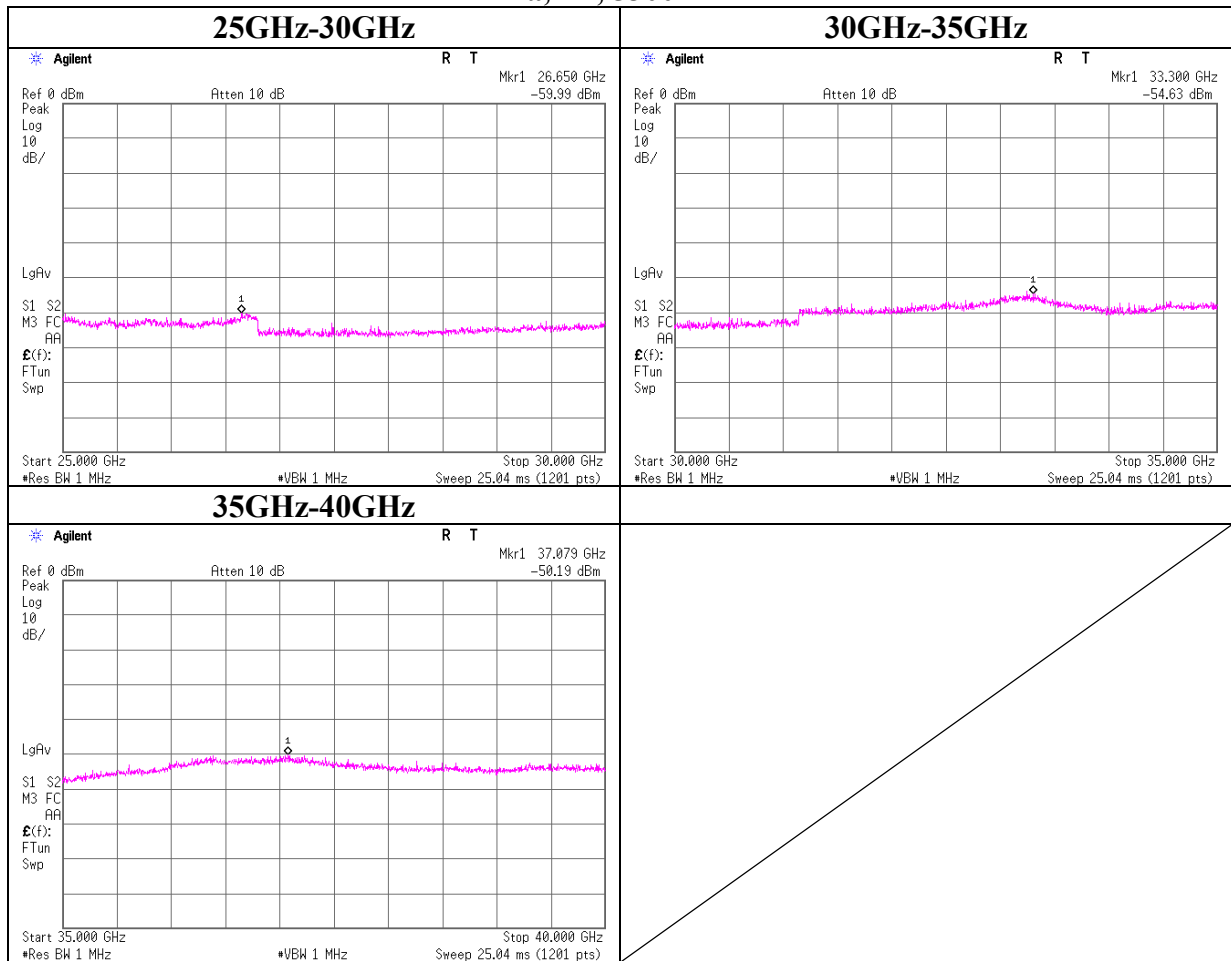


Conducted Spurious Emission

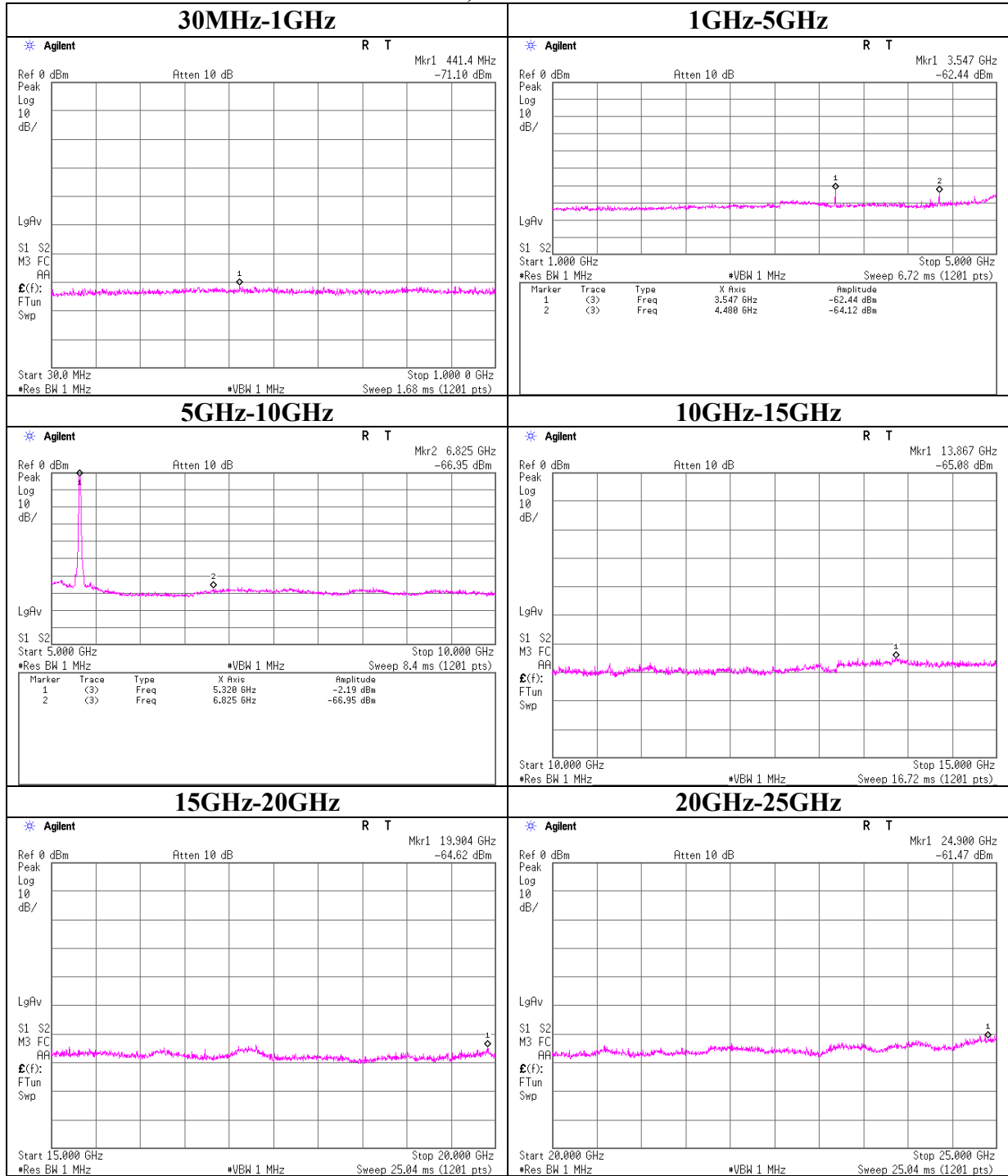
11a, Tx, 5300MHz



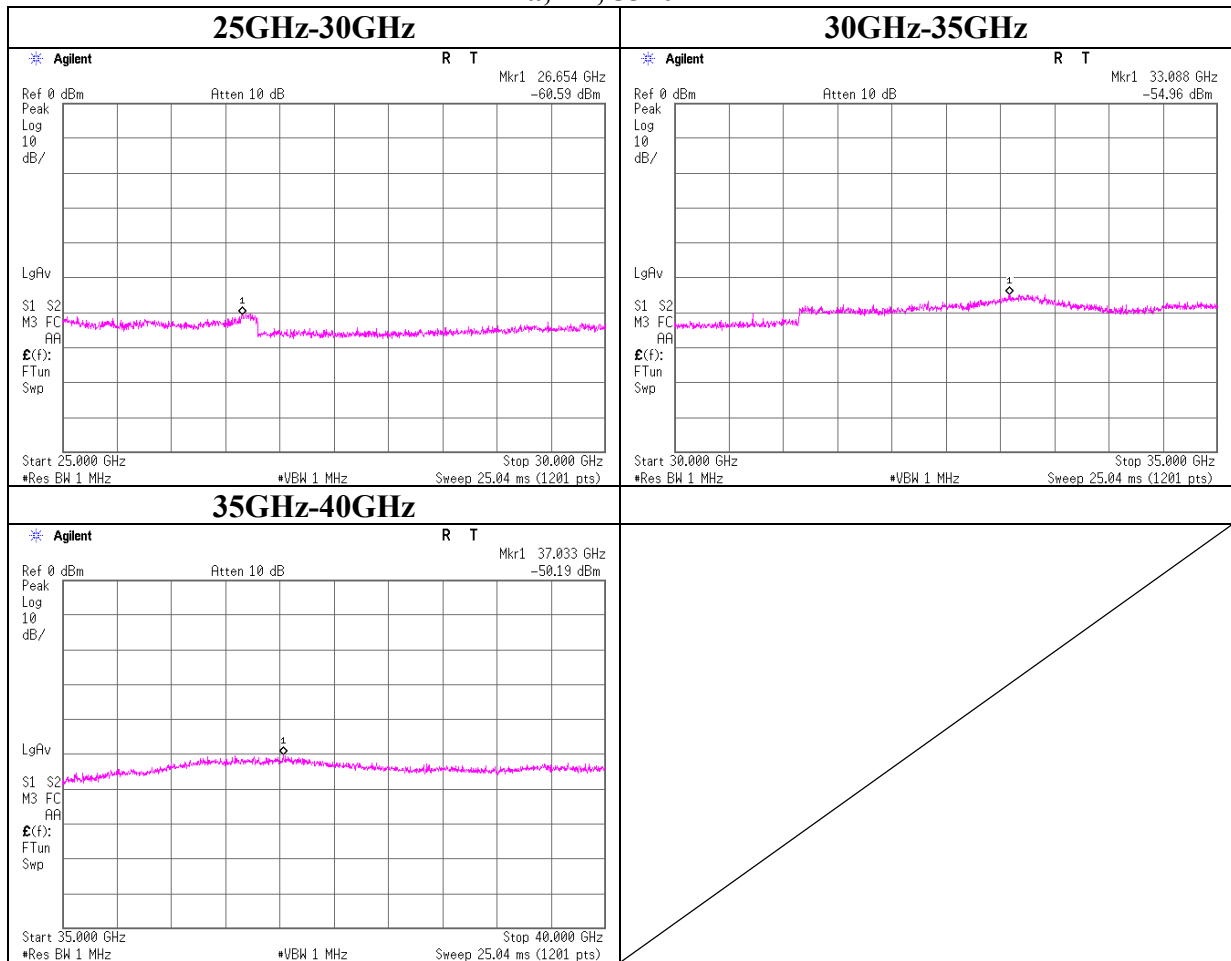
Conducted Spurious Emission
11a, Tx, 5300MHz



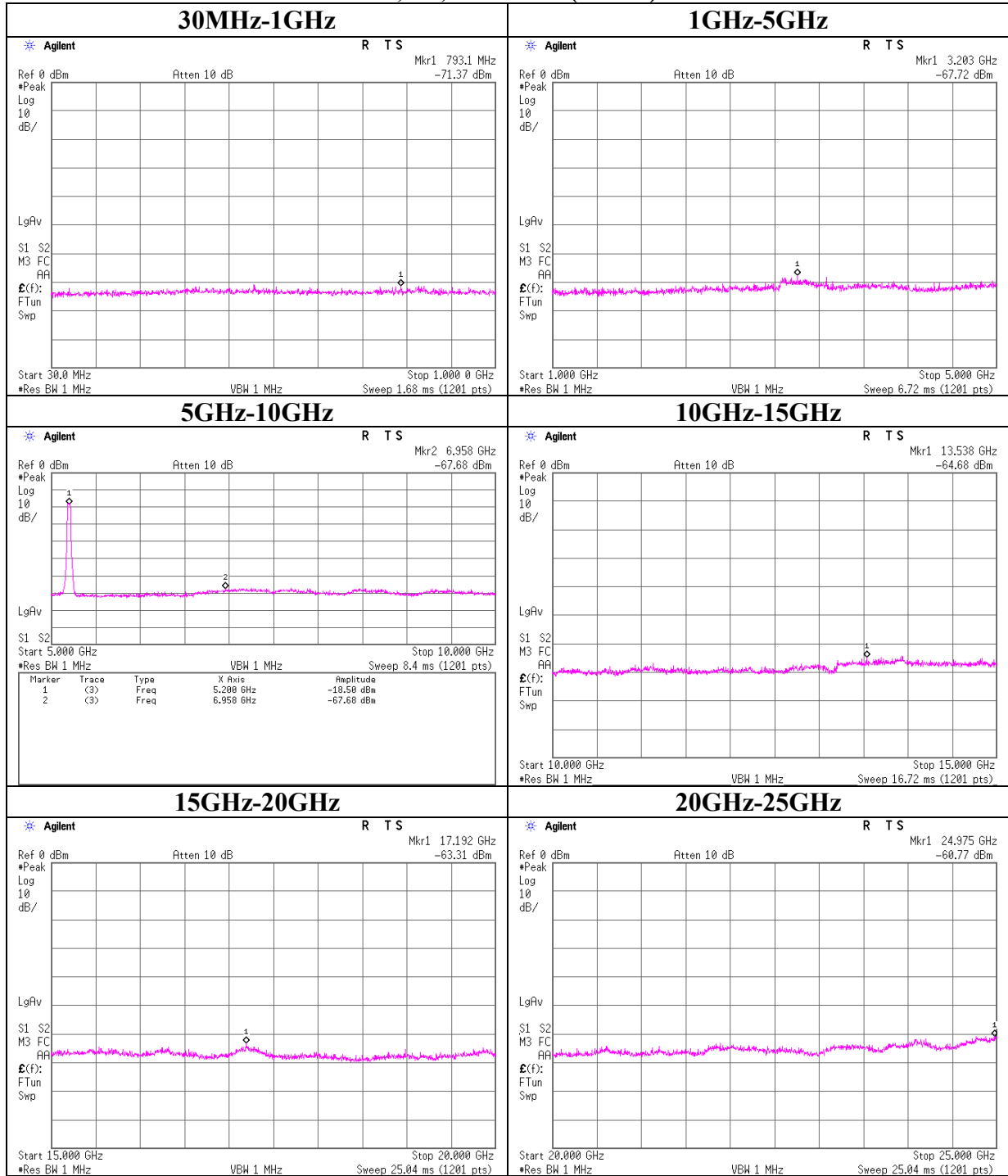
Conducted Spurious Emission
11a, 5320MHz



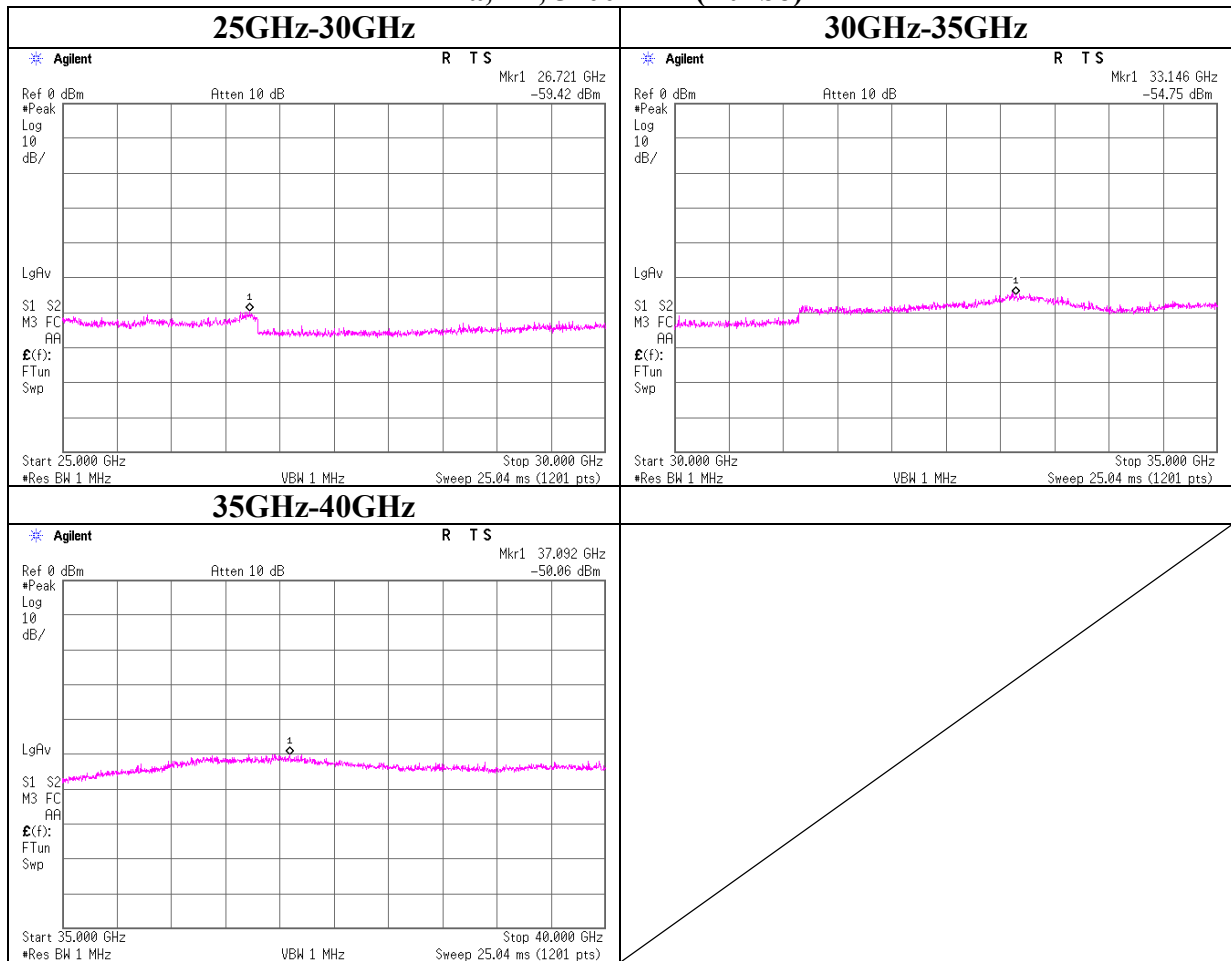
Conducted Spurious Emission
11a, Tx, 5320MHz



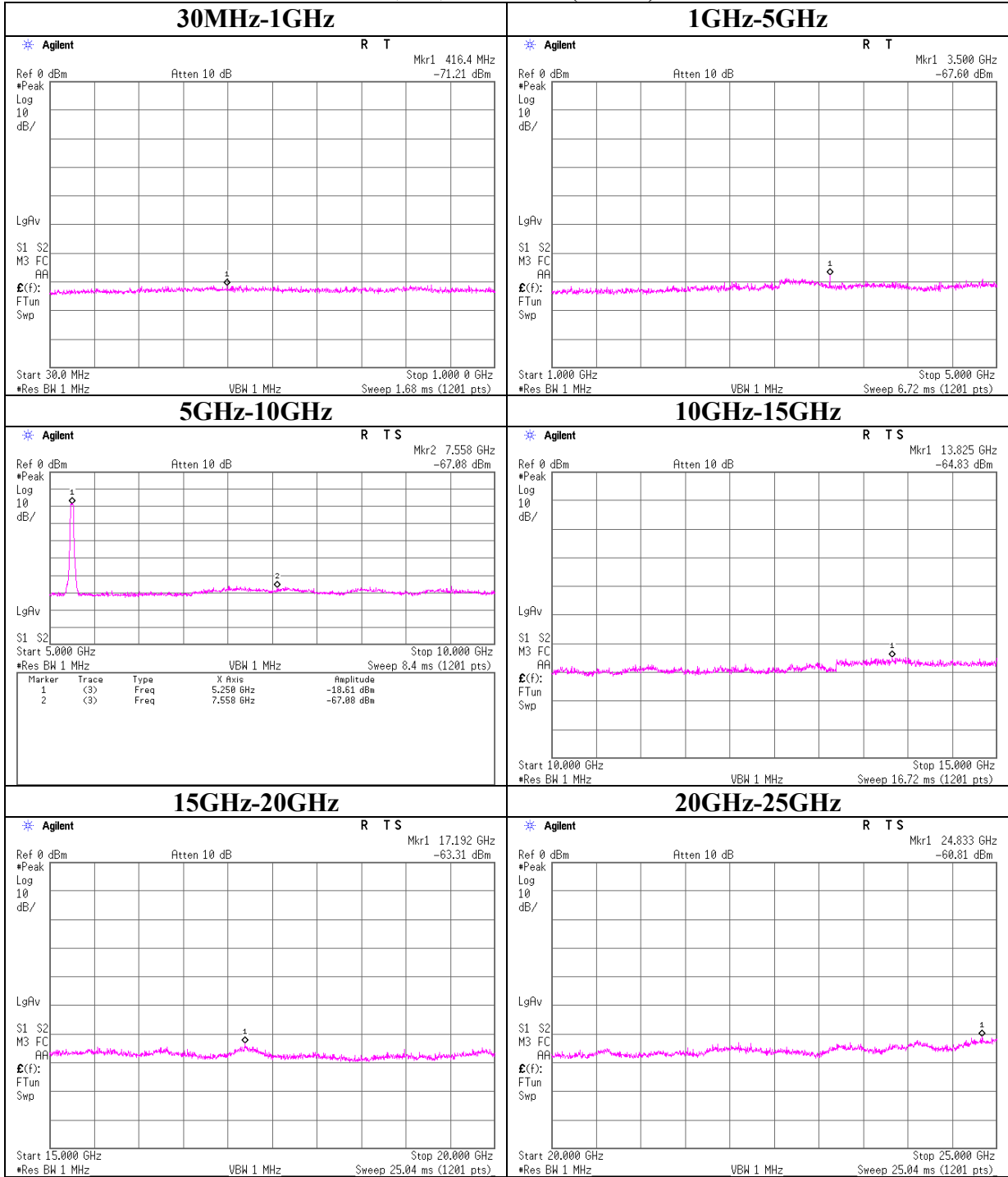
Conducted Spurious Emission
11a, Tx, 5200MHz (Turbo)



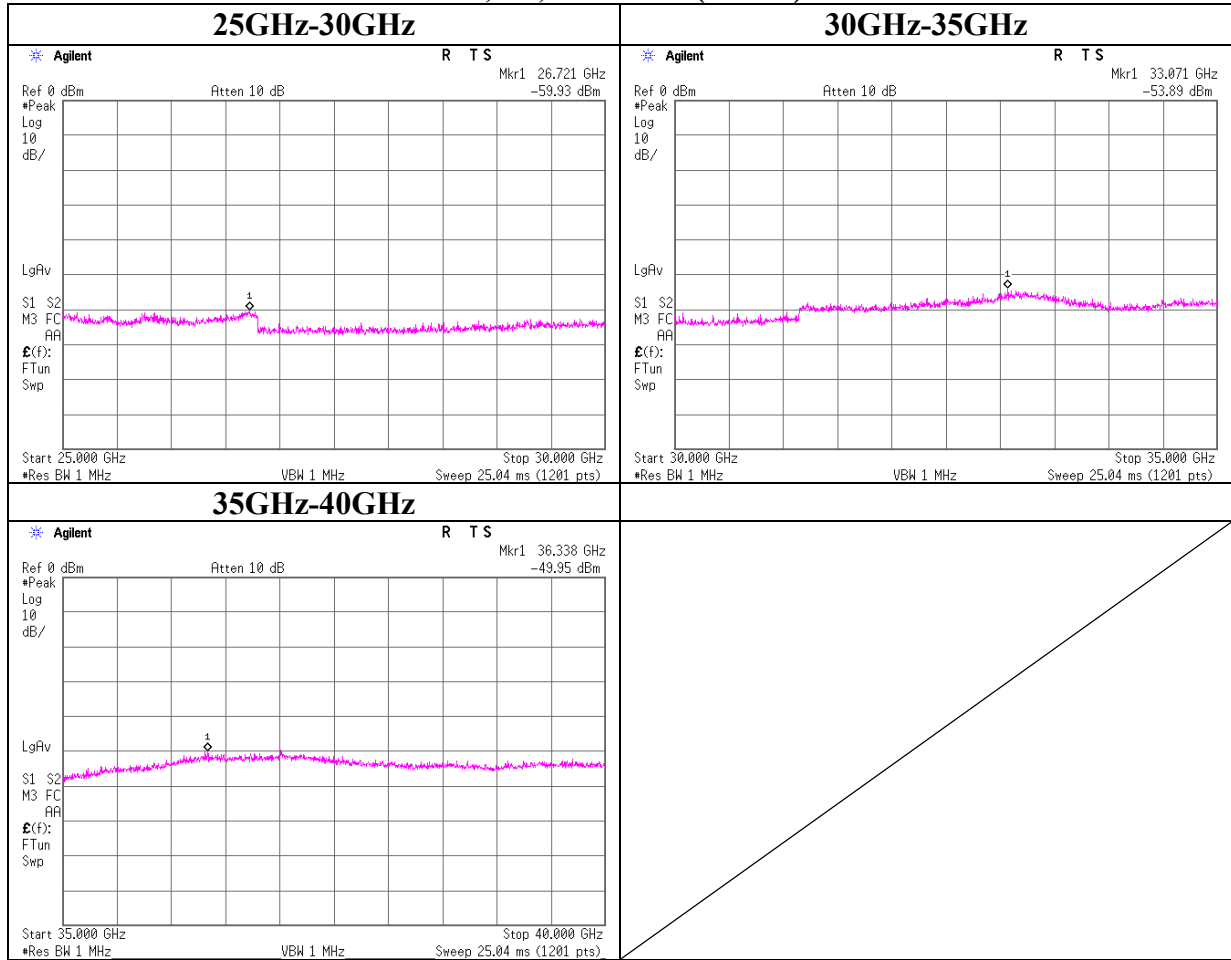
Conducted Spurious Emission
11a, Tx, 5200MHz (Turbo)



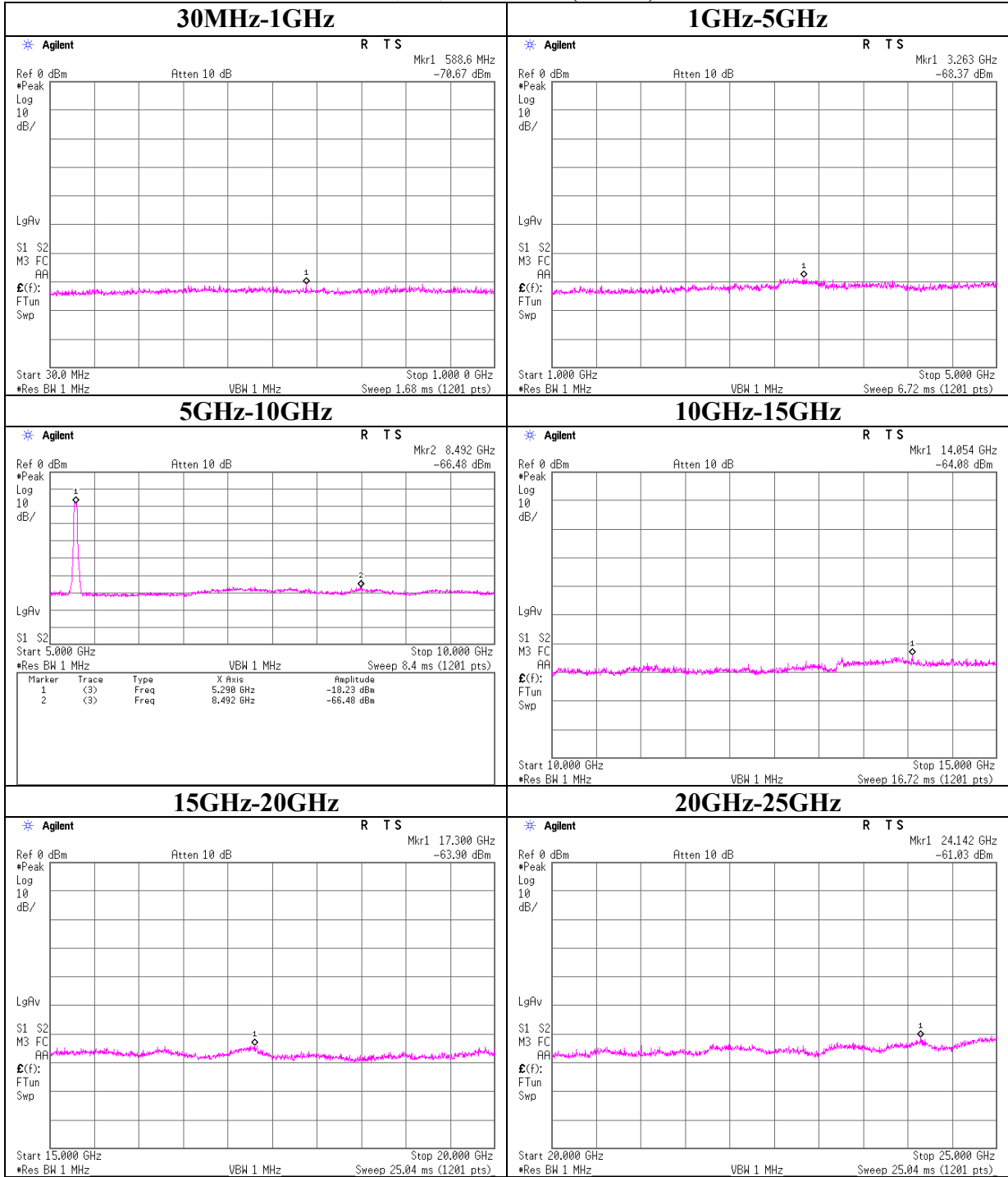
Conducted Spurious Emission
11a, Tx, 5250MHz (Turbo)



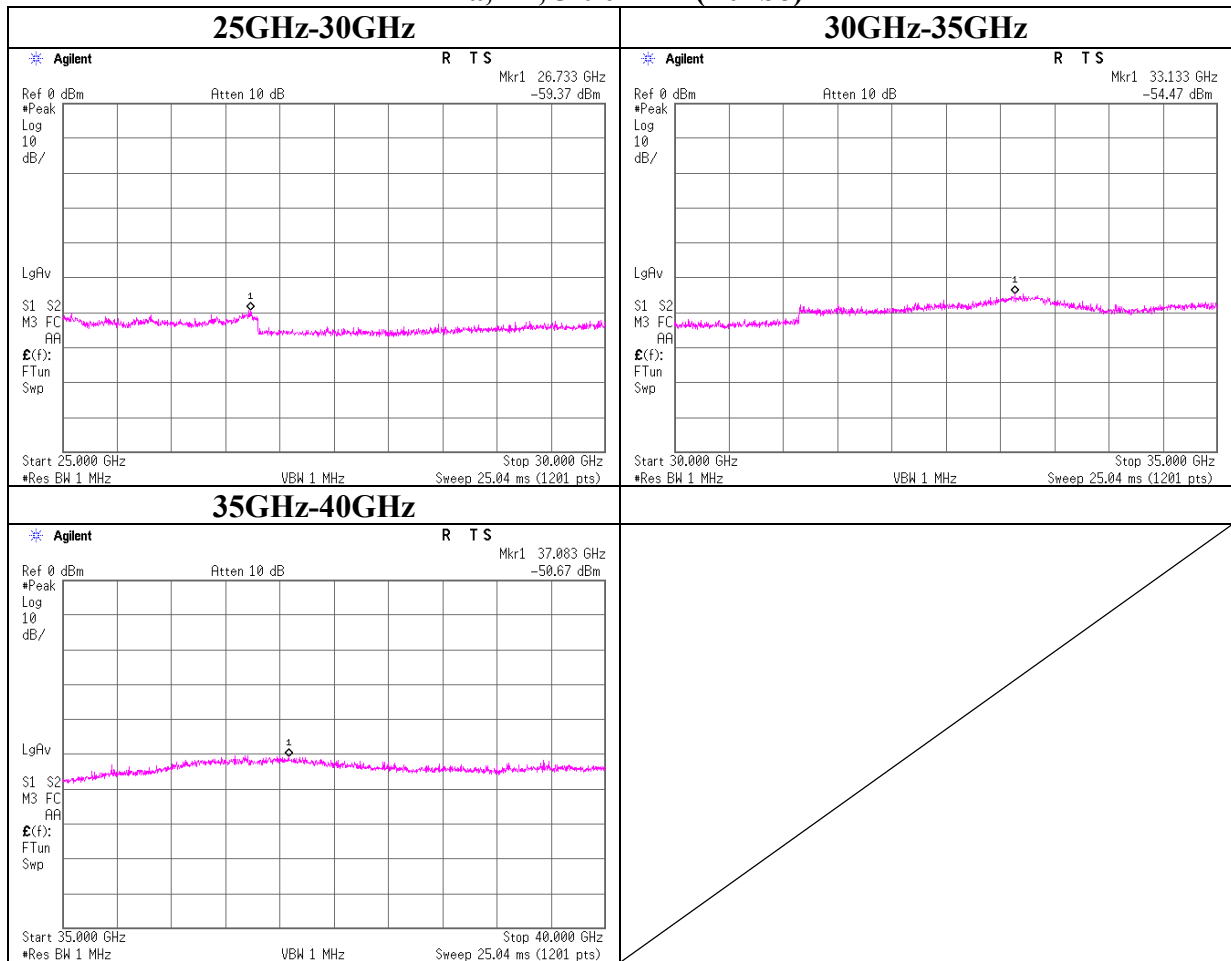
Conducted Spurious Emission
11a, Tx, 5250MHz (Turbo)



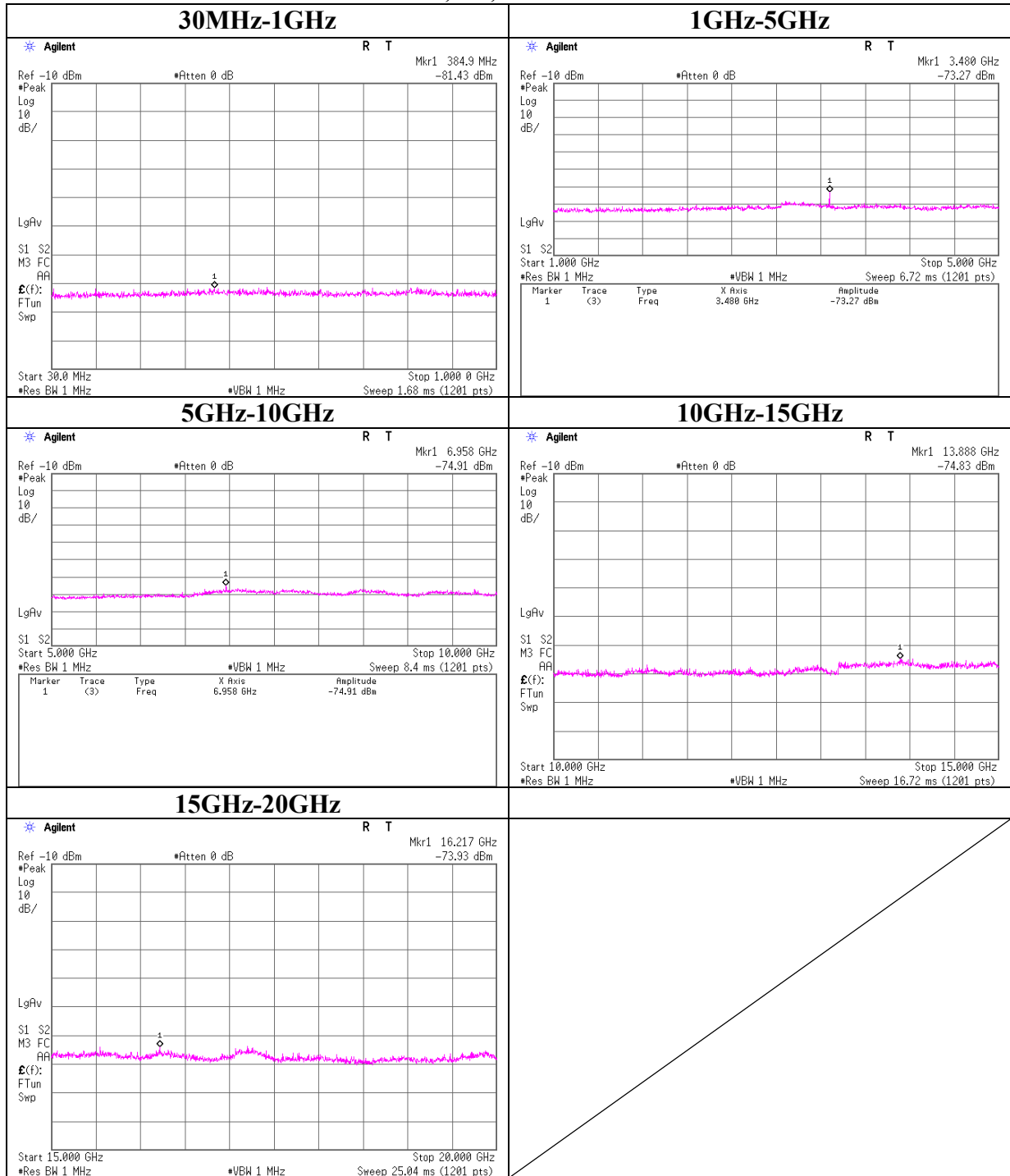
Conducted Spurious Emission
11a, Tx, 5290MHz (Turbo)



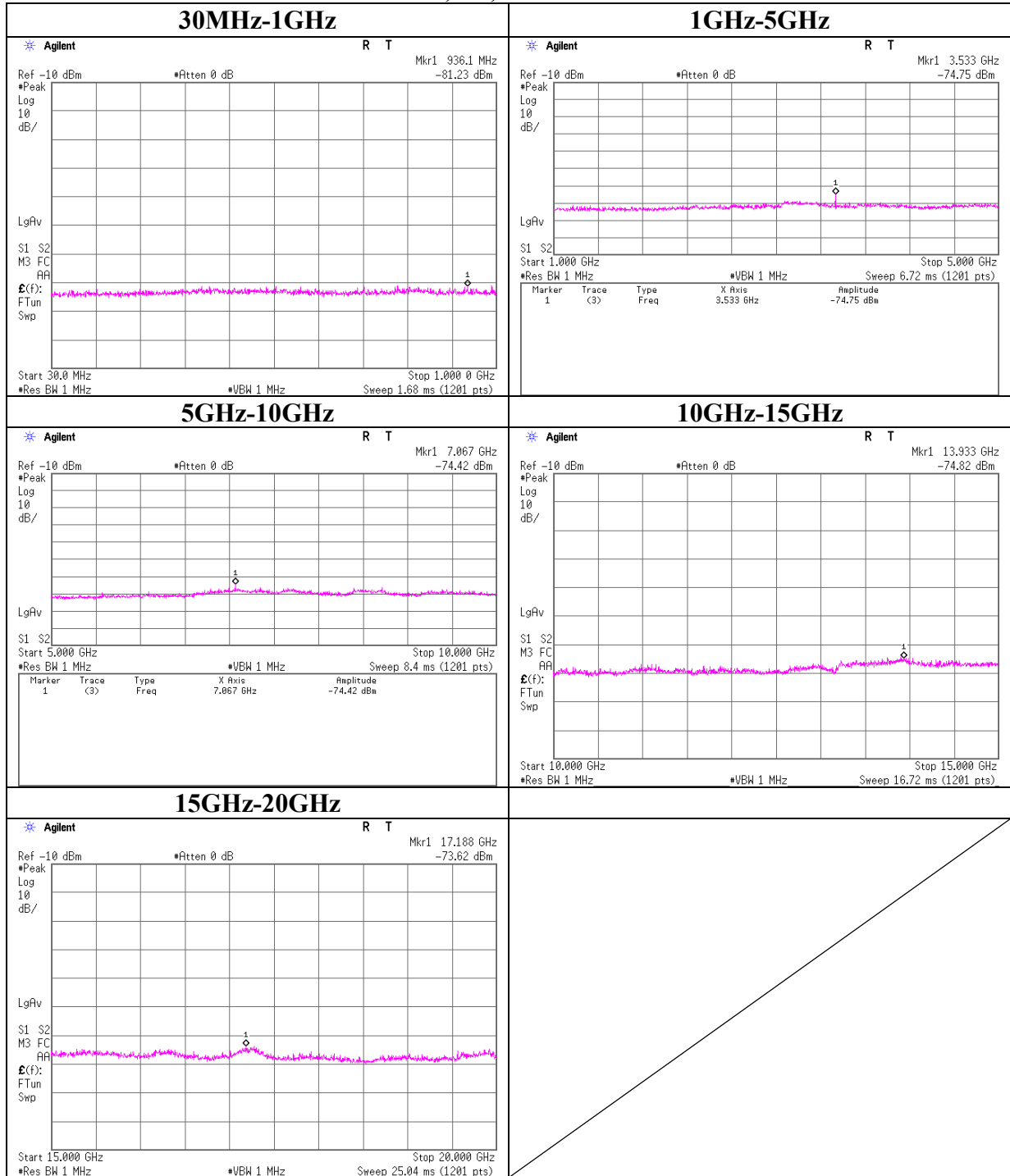
Conducted Spurious Emission
11a, Tx, 5290MHz (Turbo)



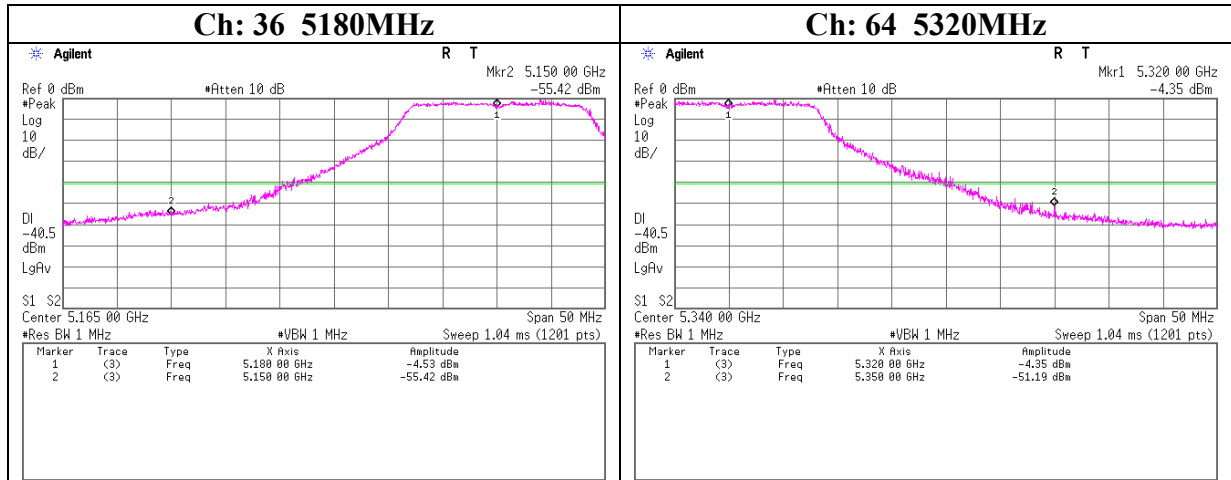
Conducted Spurious Emission 11a, Rx, 5220MHz



Conducted Spurious Emission
11a, Rx, 5300MHz

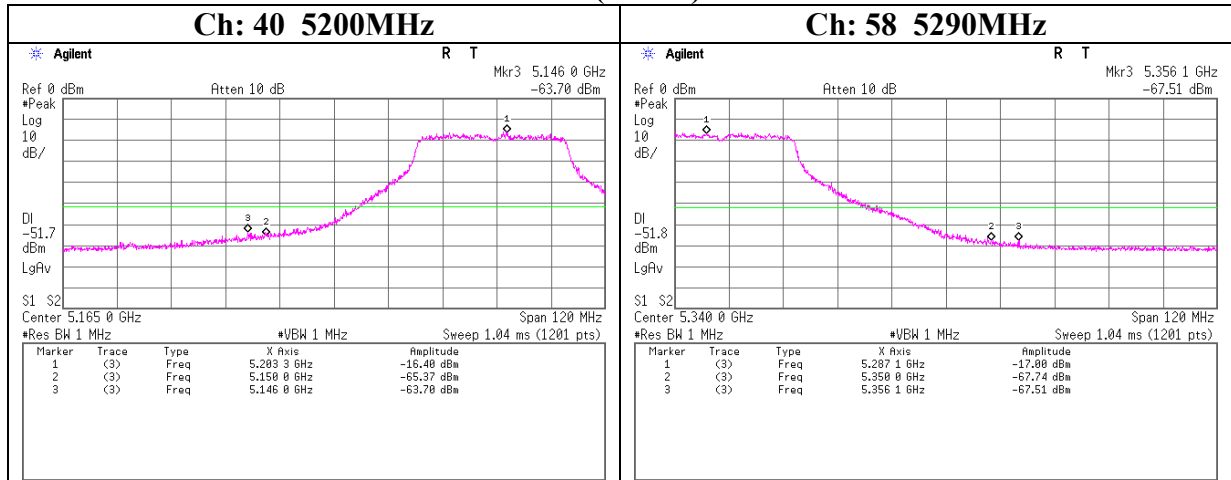


Conducted emission Band Edge compliance



Display Line=-27dBm-Cable Loss-ATT.Loss-Ant.Gain

Conducted emission Band Edge compliance
11a (Turbo)



Display Line=-27dBm-Cable Loss-ATT.Loss-Ant.Gain

Peak Power Spectral Density

UL Japan, Inc.
Head Office EMC Lab. No. 6 Measurement Room

Company	silex technology Inc.	Regulation	FCC Section 15.407(a)(1)(2) / RSS-210 A9.2(1)(2)
Equipment	MiniPCI Wireless board	Test Distance	-
Model	SX-10WAG-IT	Date	February 16, 2009
S/N	0080920115A7	Temperature	22 deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity	33 %
Mode	11a, Tx, 24Mbps, Ant A (Worst)	Engineer	Takeshi Choda

Freq.	Reading	Cable Loss	Atten.	ENBW	Result	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]
5180.0	-21.21	2.63	19.98	0.25	1.15	4.00	2.85
5220.0	-21.80	2.64	19.98	0.25	0.57	4.00	3.43
5240.0	-22.39	2.65	19.98	0.25	-0.01	4.00	4.01
5260.0	-21.32	2.68	19.99	0.25	1.10	11.00	9.90
5300.0	-21.27	2.66	19.99	0.25	1.13	11.00	9.87
5320.0	-21.52	2.67	19.99	0.25	0.89	11.00	10.11

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

UL Japan, Inc.

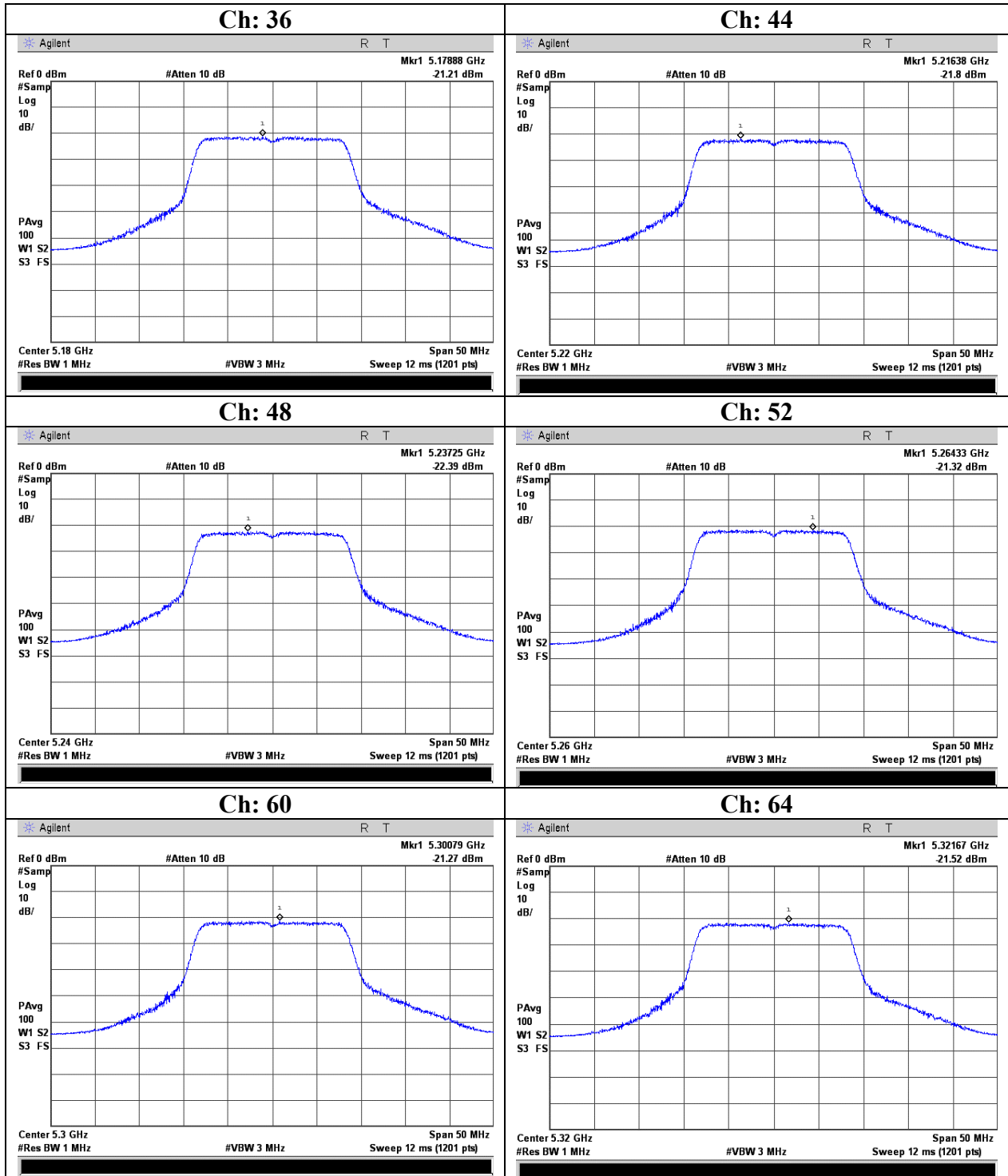
Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Peak Power Spectral Density



Peak Excursion Ratio

UL Japan, Inc.

Head Office EMC Lab. No.7 measurement room

Company	silex technology, Inc.	Regulation	FCC Section 15.407(a)(6)
Equipment	Wireless 11abg Adapter	Test Distance	-
Model	SX-1-WAG-IT	Date	January 16, 2009 February 22, 2009
S/N	0080920115A5	Temperature	21 deg.C. 17 deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity	43 % 38 %
Mode	11a, Tx, 24Mbps, Ant A (Worst)	Engineer	Kazufumi Nakai Takeshi Choda
	11a, Tx (Turbo), 48Mbps, Ant A(Worst)		

[IEEE 802.11a]

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5180.0	11.81	13.00
5220.0	12.35	13.00
5240.0	12.46	13.00
5260.0	12.60	13.00
5300.0	11.86	13.00
5320.0	10.88	13.00

[IEEE 802.11a] (Turbo Mode)

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5200.0	10.79	13.00
5250.0	11.12	13.00
5290.0	11.00	13.00

UL Japan, Inc.

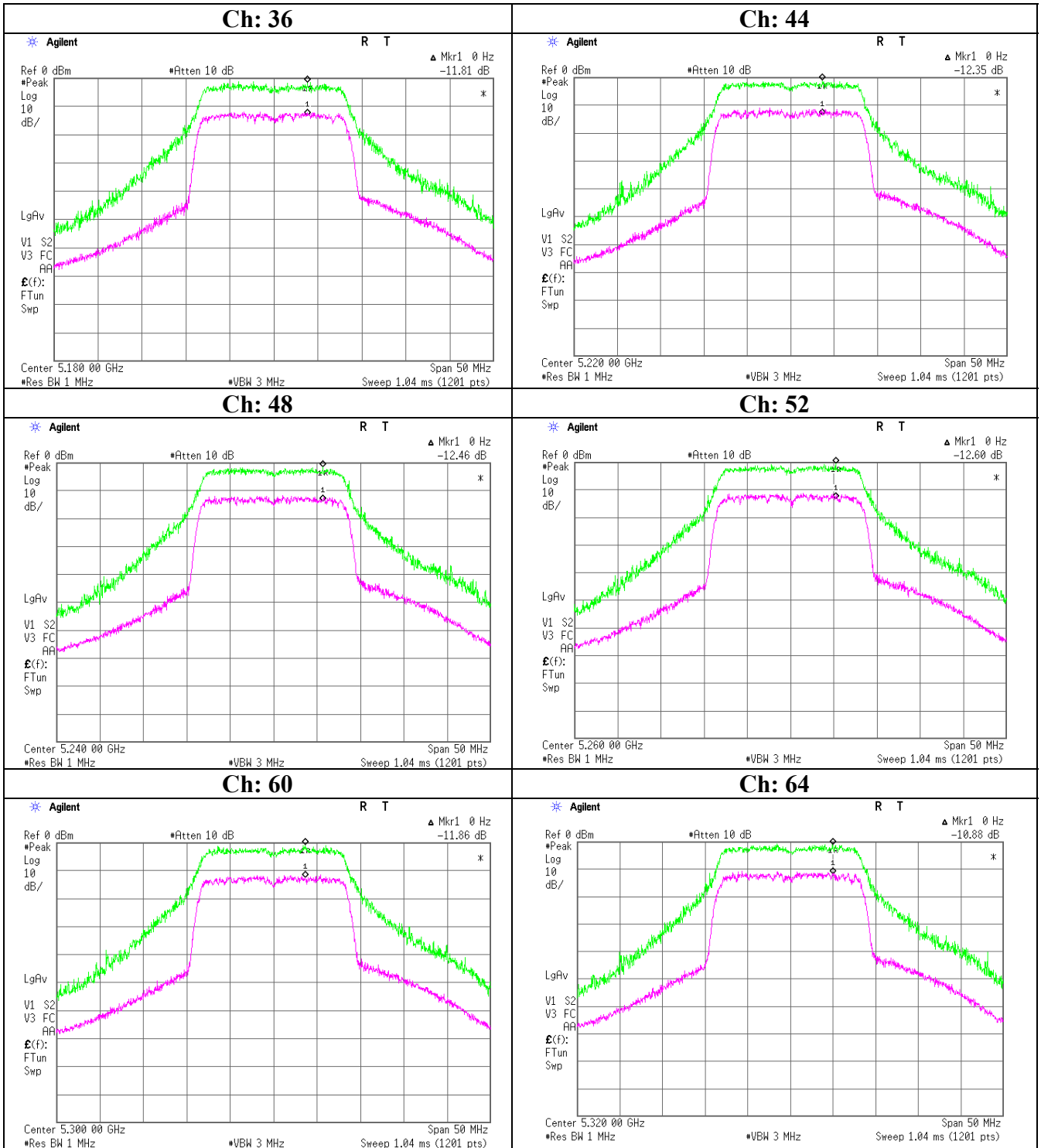
Head Office EMC Lab.

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

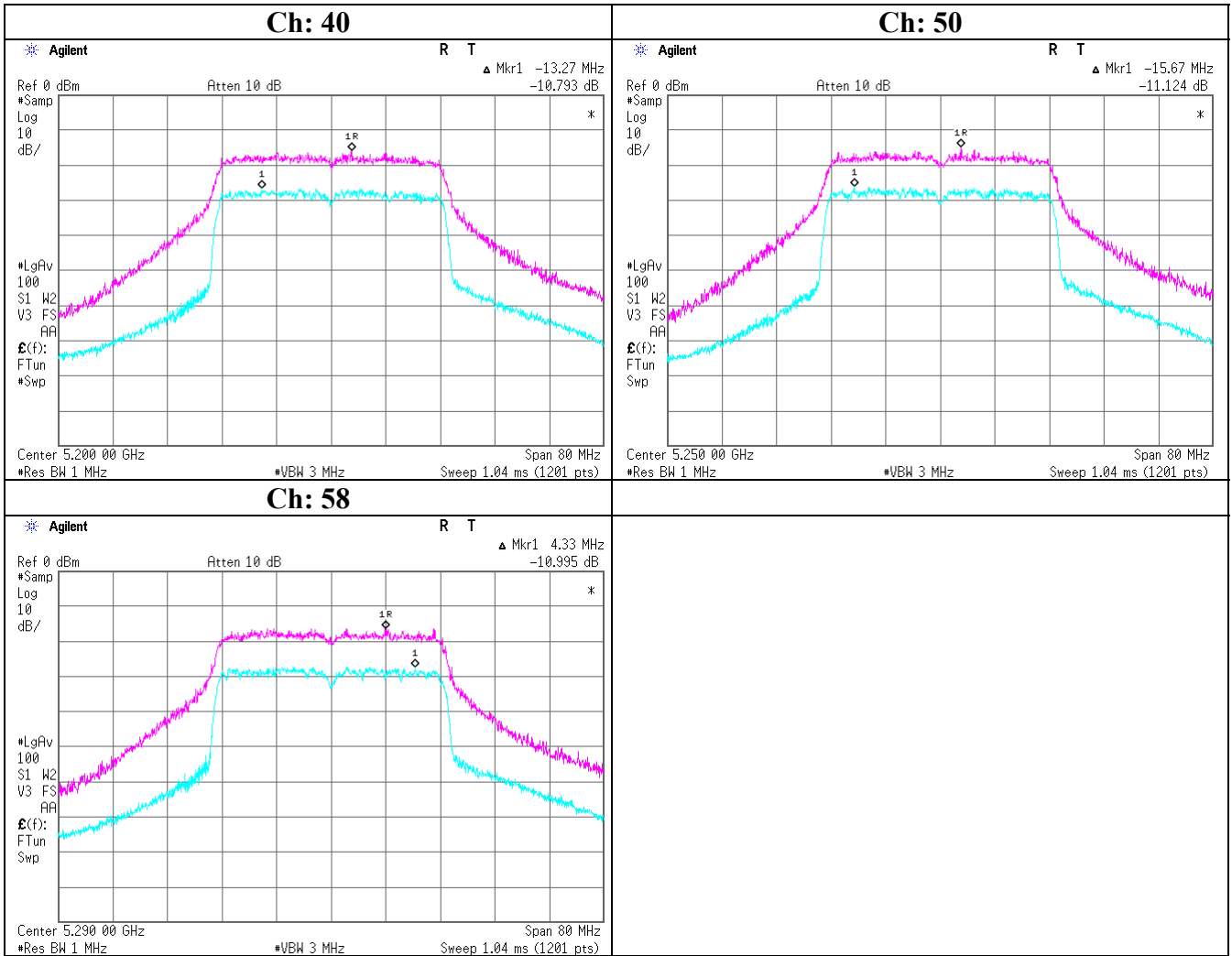
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Peak Excursion Ratio



Peak Excursion Ratio



APPENDIX 3:Test instruments

EMI test equipment [1/2]

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-02	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	RE	2008/04/17 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	0003	RE	2009/02/05 * 12
MJM-05	Measure	PROMART	SEN1955	-	RE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE / CE	-
MRENT-62	Spectrum Analyzer	Agilent	E4448A	MY46180856	RE	2008/11/25 * 12
MHA-06	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	254	RE	2009/01/31 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	295123(5m) / 287573(1m)	RE	2008/11/27 * 12
MPA-10	Pre Amplifier	Agilent	8449B	3008A02142	RE	2008/09/17 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278942/4	RE	2008/12/17 * 12
MHF-16	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCA	7001	RE	2008/12/15 * 12
MHA-02	Horn Antenna 18-26.5GHz	EMCO	3160-09	1265	RE	2009/01/31 * 12
MHA-04	Horn Antenna 26.5-40GHz	EMCO	3160-10	1140	RE	2008/09/27 * 12
MCC-53	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	2872(1m) / 2875(5m)	RE	2008/03/07 * 12
MPA-03	Microwave System Power Amplifier	Agilent	83050A	3950M00205	RE	2008/06/26 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170307	RE	2008/04/30 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	9120D-557	RE	2008/08/11 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	MOS04	AT	2009/02/04 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	MY44020357	AT	2008/11/07 * 12
MAT-25	Attenuator(10dB)(above 1GHz)	Agilent	8493C	71642	AT	2008/06/25 * 12
MCC-116	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290221/4	AT	2008/08/04 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170306	RE	2008/04/30 * 12
MCC-55	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	2874(1m) / 2877(5m)	RE	2008/03/07 * 12
MSA-06	Spectrum Analyzer	Agilent	E4407B	MY45107638	RE/CE/AT	2008/04/21 * 12
MCC-35	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	-	AT	2008/11/18 * 12
MCC-114	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290212/4	AT	2008/08/01 * 12
MAT-21	Attenuator(20dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-120	901247	AT	2009/01/16 * 12

UL Japan, Inc.

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

EMI test equipment [2/2]

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE	2009/02/02 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE	2009/02/06 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE	-
MSA-09	Spectrum Analyzer	Advantest	R3273	95090115	RE	2008/12/24 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE	2008/06/12 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2009/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2009/01/10 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2008/07/18 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	-	RE	2008/03/10 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2008/03/06 * 12
MAEC-04	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	CE	2009/02/03 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	-	CE	2009/02/06 * 12
MJM-07	Measure	PROMART	SEN1955	-	CE	-
MSA-05	Spectrum Analyzer	Advantest	R3273	160400285	CE	2008/06/25 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	100635	CE	2008/10/03 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	8127363	CE(EUT)	2009/02/18 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	8127364	CE(AE)	2009/02/18 * 12
MTA-07	Terminator	MCL	BTRM-50	1 9944	CE	2009/02/17 * 12
MCC-113	Coaxial cable	Fujikura/Suhner/TSJ	-	-	CE	2008/07/03 * 12

The expiration date of the calibration is the end of the expired month.

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

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

**Test Item: CE: Conducted Emission
RE: Radiated Emission
AT: Antenna Terminal Conducted test**