

APPENDIX 2: Data of EMI test

Conducted Emission 11b, Tx, Ch: Low

DATA OF CONDUCTED EMISSION TEST

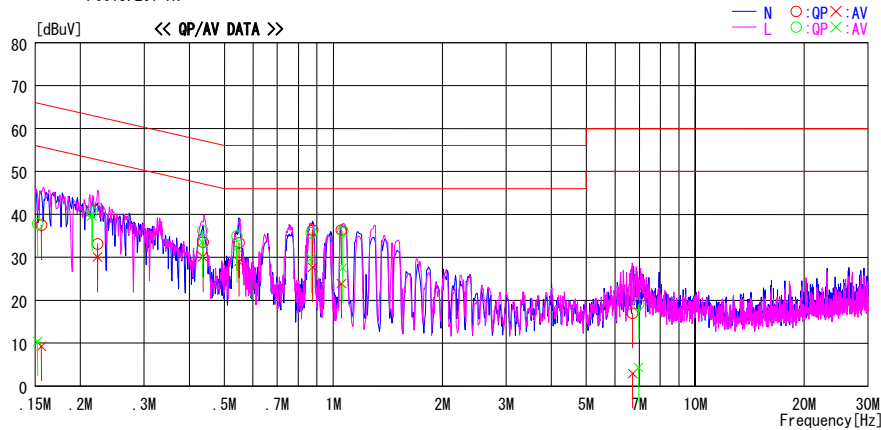
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-1T
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 : 11b, Tx, 2412MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15609	37.3	9.1	0.2	37.5	9.3	65.7	55.7	28.2	46.4	N	
0.22308	32.8	29.7	0.3	33.1	30.0	62.7	52.7	29.6	22.7	N	
0.43623	33.3	29.8	0.3	33.6	30.1	57.1	47.1	23.5	17.0	N	
0.54846	33.1	28.7	0.3	33.4	29.0	56.0	46.0	22.7	17.0	N	
0.87644	36.1	27.4	0.3	36.4	27.7	56.0	46.0	19.6	18.3	N	
1.05256	36.0	23.5	0.4	36.4	23.9	56.0	46.0	19.6	22.1	N	
6.70313	16.1	2.1	0.9	17.0	3.0	60.0	50.0	43.0	47.0	N	
0.15231	37.6	10.2	0.2	37.8	10.4	65.9	55.9	28.1	45.5	L	
0.21514	40.3	39.3	0.3	40.6	39.6	63.0	53.0	22.4	13.4	L	
0.43510	35.9	33.2	0.3	36.2	33.5	57.2	47.2	21.0	13.7	L	
0.54184	34.7	31.9	0.3	35.0	32.2	56.0	46.0	21.0	13.8	L	
0.86828	35.4	29.5	0.3	35.7	29.8	56.0	46.0	20.3	16.2	L	
1.06165	35.7	27.2	0.4	36.1	27.6	56.0	46.0	19.9	18.5	L	
6.96911	18.2	3.4	0.9	19.1	4.3	60.0	50.0	40.9	45.7	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

11b, Tx, Ch: Mid

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 : 11b, Tx, 2437MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

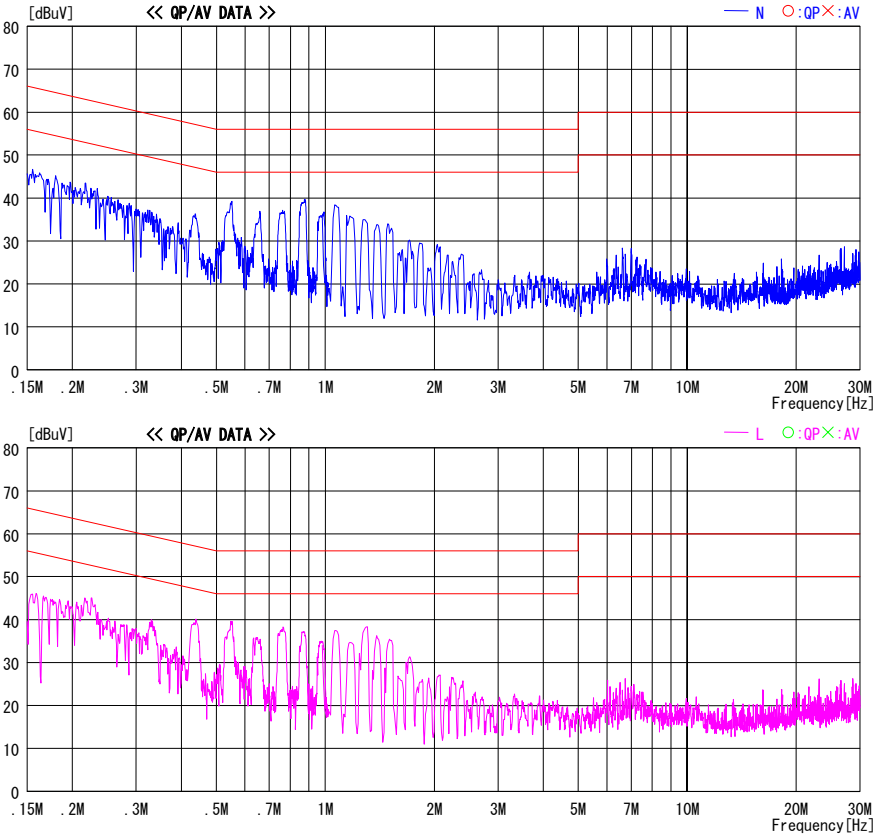


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

Except for the above table : adequate margin data below the limits.

Conducted Emission

11b, Tx, Ch: High

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 : 11b, Tx, 2462MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

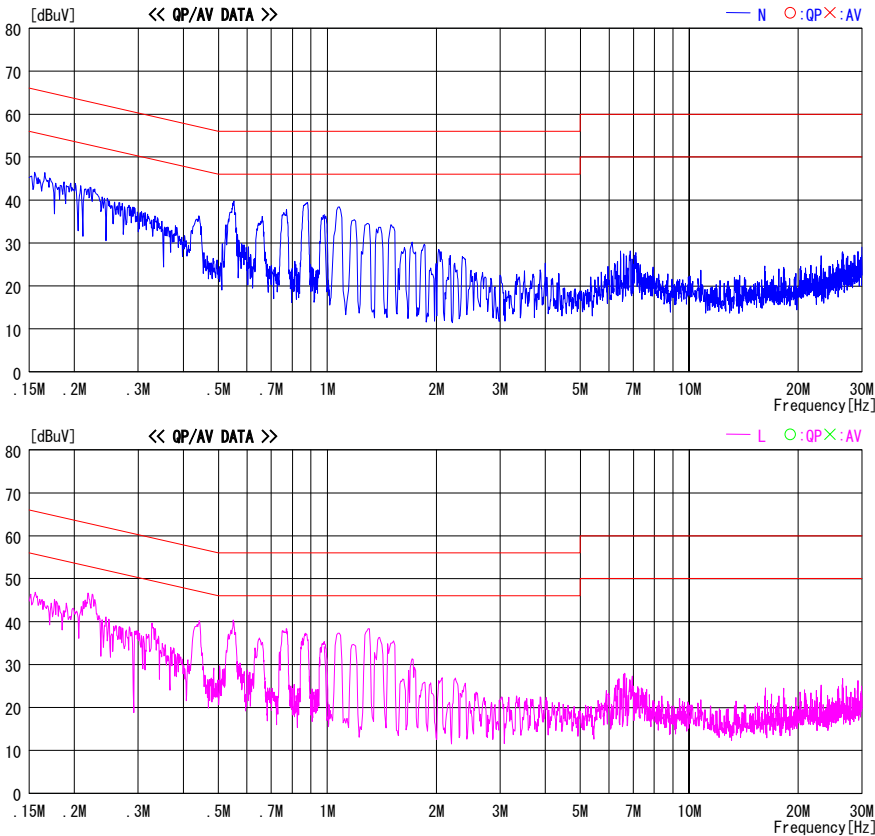


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

Except for the above table : adequate margin data below the limits.

Conducted Emission 11b, Rx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

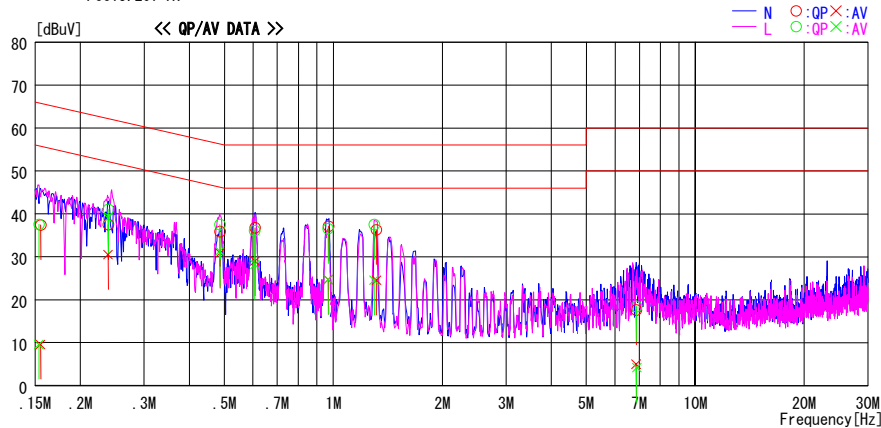
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

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 : 11b, Rx, 2437MHz

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]		
0.15522	37.2	9.4	0.2	37.4	9.6	65.7	55.7	28.3	46.1	N	
0.23874	37.2	30.2	0.3	37.5	30.5	62.1	52.1	24.6	21.6	N	
0.48669	35.6	30.5	0.3	35.9	30.8	56.2	46.2	20.3	15.4	N	
0.60762	36.5	28.7	0.3	36.8	29.0	56.0	46.0	19.2	17.0	N	
0.96953	36.7	24.3	0.4	37.1	24.7	56.0	46.0	18.9	21.3	N	
1.31559	35.9	24.1	0.4	36.3	24.5	56.0	46.0	19.7	21.5	N	
6.86639	16.7	4.1	0.9	17.6	5.0	60.0	50.0	42.4	45.0	N	
0.15348	37.4	9.4	0.2	37.6	9.6	65.8	55.8	28.2	46.2	L	
0.23874	40.8	38.7	0.3	41.1	39.0	62.1	52.1	21.0	13.1	L	
0.48582	37.2	31.0	0.3	37.5	31.3	56.2	46.2	18.7	14.9	L	
0.60675	35.8	27.9	0.3	36.1	28.2	56.0	46.0	19.9	17.8	L	
0.96866	36.1	24.3	0.4	36.5	24.7	56.0	46.0	19.5	21.3	L	
1.29745	37.1	24.1	0.4	37.5	24.5	56.0	46.0	18.5	21.5	L	
6.88453	17.5	3.3	0.9	18.4	4.2	60.0	50.0	41.6	45.8	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 11g, Tx, Ch: Low

DATA OF CONDUCTED EMISSION TEST

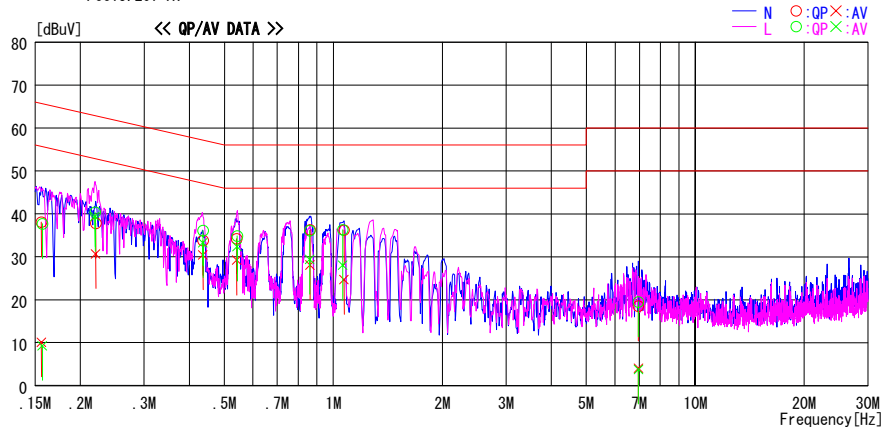
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

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 : 11g, Tx, 2412MHz

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]		
0.15609	37.9	9.9	0.2	38.1	10.1	65.7	55.7	27.6	45.6	N	
0.22047	37.5	30.4	0.3	37.8	30.7	62.8	52.8	25.0	22.1	N	
0.43623	33.5	30.1	0.3	33.8	30.4	57.1	47.1	23.3	16.7	N	
0.54063	33.9	28.9	0.3	34.2	29.2	56.0	46.0	21.8	16.8	N	
0.86252	36.0	27.8	0.3	36.3	28.1	56.0	46.0	19.7	17.9	N	
1.07070	35.8	24.3	0.4	36.2	24.7	56.0	46.0	19.8	21.3	N	
6.96616	17.6	3.1	0.9	18.5	4.0	60.0	50.0	41.5	46.0	N	
0.15696	37.5	9.1	0.2	37.7	9.3	65.6	55.6	27.9	46.3	L	
0.21960	40.1	39.1	0.3	40.4	39.4	62.8	52.8	22.4	13.4	L	
0.43623	35.8	33.0	0.3	36.1	33.3	57.1	47.1	21.0	13.8	L	
0.54237	34.5	32.1	0.3	34.8	32.4	56.0	46.0	21.2	13.6	L	
0.86078	35.8	29.1	0.3	36.1	29.4	56.0	46.0	19.9	16.6	L	
1.06163	35.9	27.6	0.4	36.3	28.0	56.0	46.0	19.7	18.0	L	
6.96616	18.6	2.9	0.9	19.5	3.8	60.0	50.0	40.5	46.2	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.

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Conducted Emission

11g, Tx, Ch: Mid

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 : 11g, Tx, 2437MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

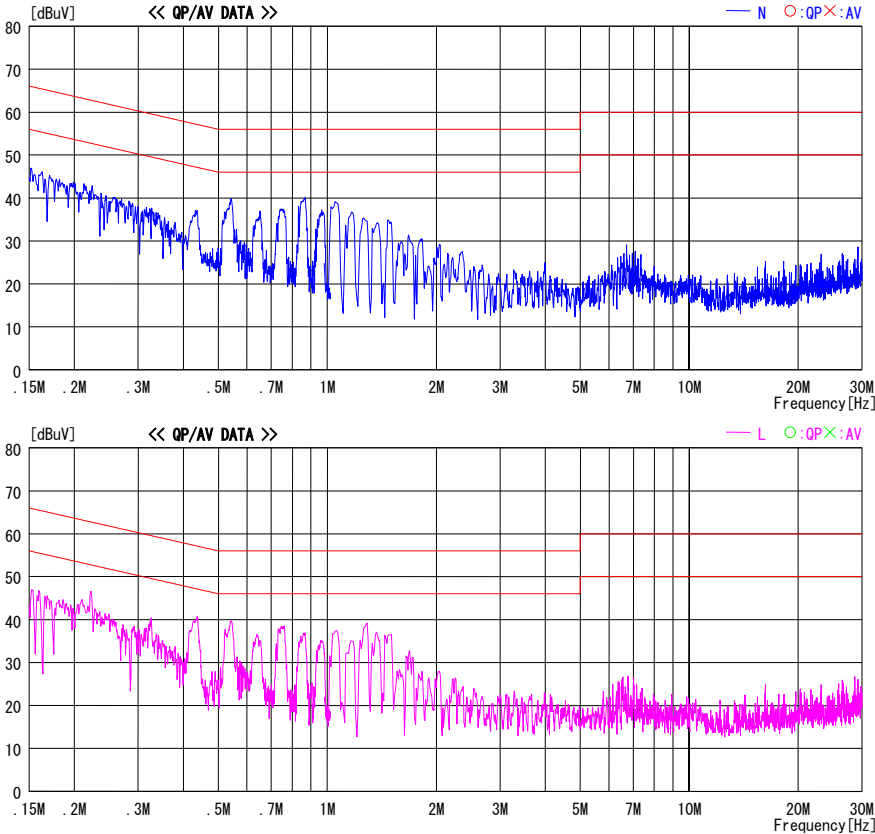


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

Except for the above table : adequate margin data below the limits.

Conducted Emission

11g, Tx, Ch: High

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 : 11g, Tx, 2462MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

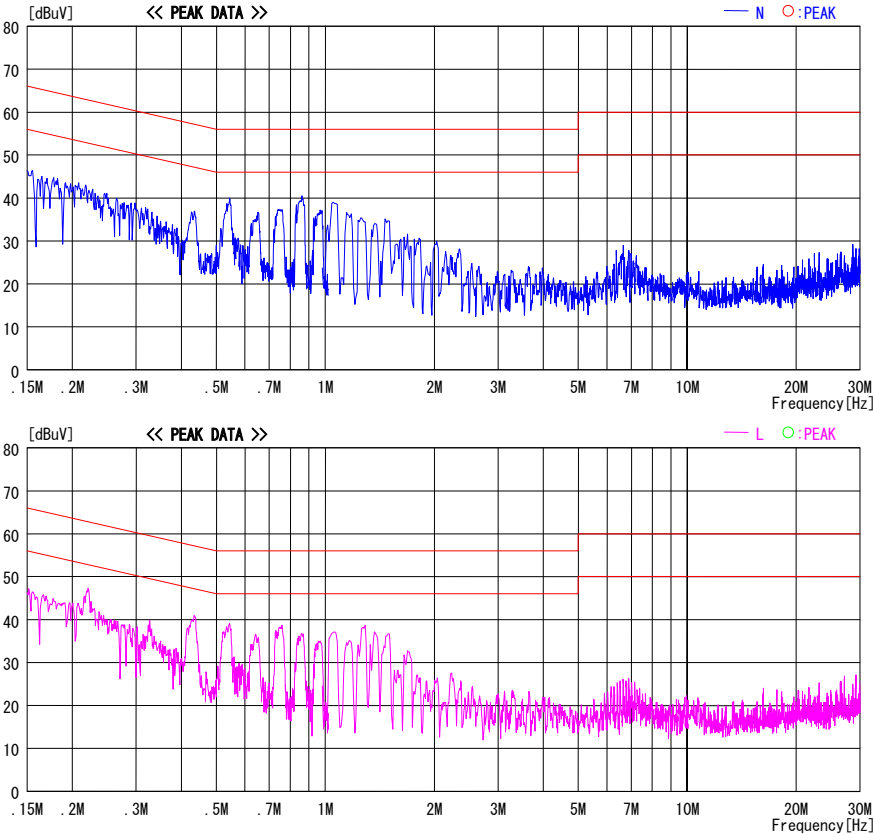


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission 11g, Rx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

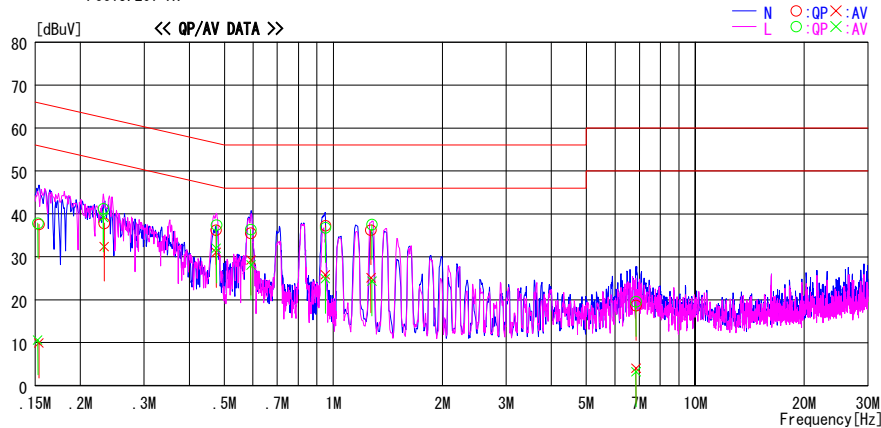
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-1T
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 : 11g, Rx, 2437MHz

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	37.4	9.7	0.2	37.6	9.9	65.8	55.8	28.2	45.9	N	
0.23265	37.5	32.1	0.3	37.8	32.4	62.4	52.4	24.6	20.0	N	
0.47451	35.9	30.7	0.3	36.2	31.0	56.4	46.4	20.2	15.4	N	
0.59196	35.2	28.9	0.3	35.5	29.2	56.0	46.0	20.5	16.8	N	
0.95039	36.9	25.4	0.4	37.3	25.8	56.0	46.0	18.7	20.2	N	
1.27024	35.8	24.7	0.4	36.2	25.1	56.0	46.0	19.8	20.9	N	
6.85732	17.8	3.1	0.9	18.7	4.0	60.0	50.0	41.3	46.0	N	
0.15261	37.6	10.4	0.2	37.8	10.6	65.9	55.9	28.1	45.3	L	
0.23178	40.9	38.9	0.3	41.2	39.2	62.4	52.4	21.2	13.2	L	
0.47538	37.1	31.7	0.3	37.4	32.0	56.4	46.4	19.0	14.4	L	
0.59196	36.1	27.8	0.3	36.4	28.1	56.0	46.0	19.6	17.9	L	
0.95039	36.4	24.5	0.4	36.8	24.9	56.0	46.0	19.2	21.1	L	
1.27931	37.1	23.9	0.4	37.5	24.3	56.0	46.0	18.5	21.7	L	
6.85732	18.7	2.3	0.9	19.6	3.2	60.0	50.0	40.4	46.8	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, Ch: Low

DATA OF CONDUCTED EMISSION TEST

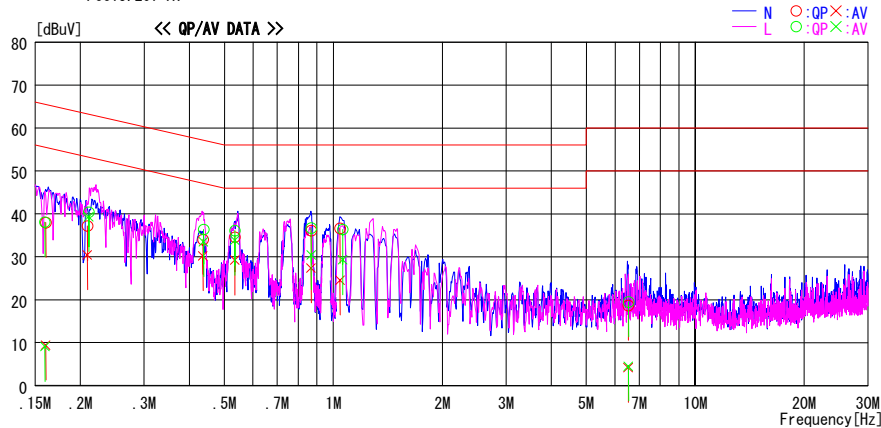
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/20

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-1T
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, 5745MHz

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]		
0.16044	37.8	9.2	0.2	38.0	9.4	65.4	55.4	27.4	46.0	N	
0.20916	36.9	30.1	0.3	37.2	30.4	63.2	53.2	26.0	22.8	N	
0.43623	33.7	29.9	0.3	34.0	30.2	57.1	47.1	23.1	16.9	N	
0.53454	34.3	28.9	0.3	34.6	29.2	56.0	46.0	21.4	16.8	N	
0.86861	35.8	27.1	0.3	36.1	27.4	56.0	46.0	19.9	18.6	N	
1.04349	36.2	24.1	0.4	36.6	24.5	56.0	46.0	19.4	21.5	N	
6.52173	17.9	3.4	0.8	18.7	4.2	60.0	50.0	41.3	45.8	N	
0.15957	37.9	8.9	0.2	38.1	9.1	65.5	55.5	27.4	46.4	L	
0.21090	40.1	39.0	0.3	40.4	39.3	63.2	53.2	22.8	13.9	L	
0.43797	36.1	33.2	0.3	36.4	33.5	57.1	47.1	20.7	13.6	L	
0.53454	35.8	33.5	0.3	36.1	33.8	56.0	46.0	19.9	12.2	L	
0.86948	36.4	30.1	0.3	36.7	30.4	56.0	46.0	19.3	15.6	L	
1.06163	36.0	28.9	0.4	36.4	29.3	56.0	46.0	19.6	16.7	L	
6.53987	18.7	3.7	0.8	19.5	4.5	60.0	50.0	40.5	45.5	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.

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Conducted Emission

11a, Tx, Ch: Mid

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, 5785MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

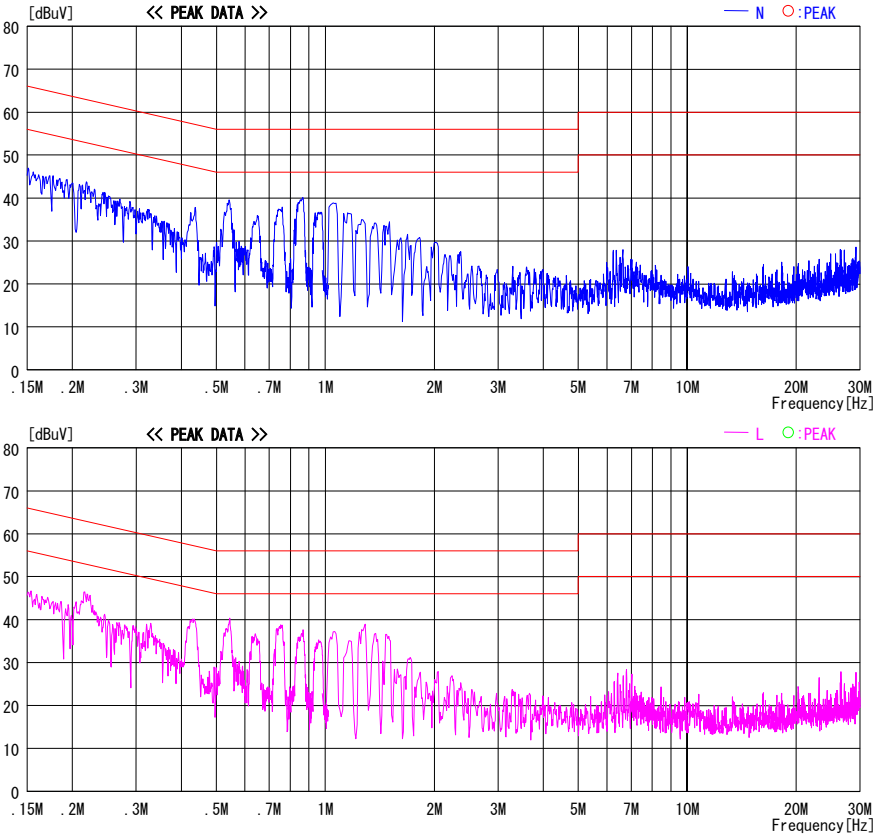


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

11a, Tx, Ch: High

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, 5825MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

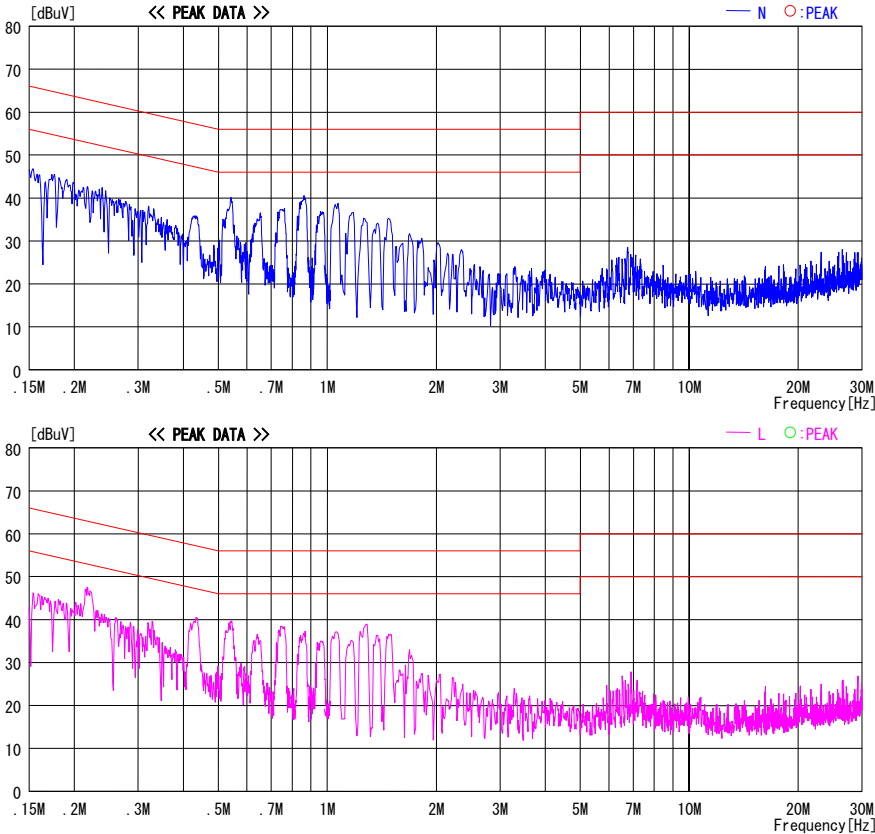


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

Except for the above table : adequate margin data below the limits.

Conducted Emission 11a, Rx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

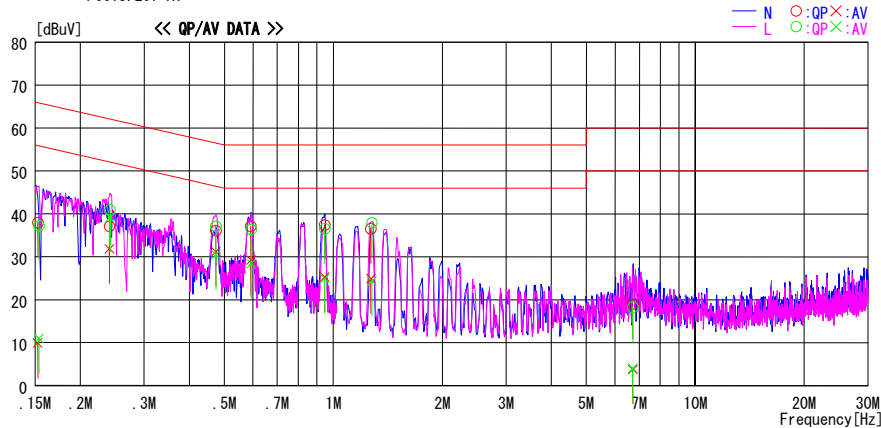
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2009/02/21

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. : 24deg. C. / 32%
Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx, 5785MHz

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]		
0.15261	37.8	9.7	0.2	38.0	9.9	65.9	55.9	27.9	46.0	N	
0.24048	36.8	31.6	0.3	37.1	31.9	62.1	52.1	25.0	20.2	N	
0.47364	35.8	30.9	0.3	36.1	31.2	56.4	46.4	20.3	15.2	N	
0.59196	36.8	28.9	0.3	37.1	29.2	56.0	46.0	18.9	16.8	N	
0.94691	37.0	24.9	0.4	37.4	25.3	56.0	46.0	18.6	20.7	N	
1.27024	36.1	24.5	0.4	36.5	24.9	56.0	46.0	19.5	21.1	N	
6.72127	18.1	2.9	0.9	19.0	3.8	60.0	50.0	41.0	46.2	N	
0.15348	37.1	10.8	0.2	37.3	11.0	65.8	55.8	28.5	44.8	L	
0.24135	40.7	38.9	0.3	41.0	39.2	62.0	52.0	21.0	12.8	L	
0.47364	36.8	30.2	0.3	37.1	30.5	56.4	46.4	19.3	15.9	L	
0.59283	36.1	28.1	0.3	36.4	28.4	56.0	46.0	19.6	17.6	L	
0.94691	36.1	24.5	0.4	36.5	24.9	56.0	46.0	19.5	21.1	L	
1.27931	37.5	23.9	0.4	37.9	24.3	56.0	46.0	18.1	21.7	L	
6.71220	17.4	3.1	0.9	18.3	4.0	60.0	50.0	41.7	46.0	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
11g, Tx, Ch: Mid (Turbo)
DATA OF CONDUCTED EMISSION TEST

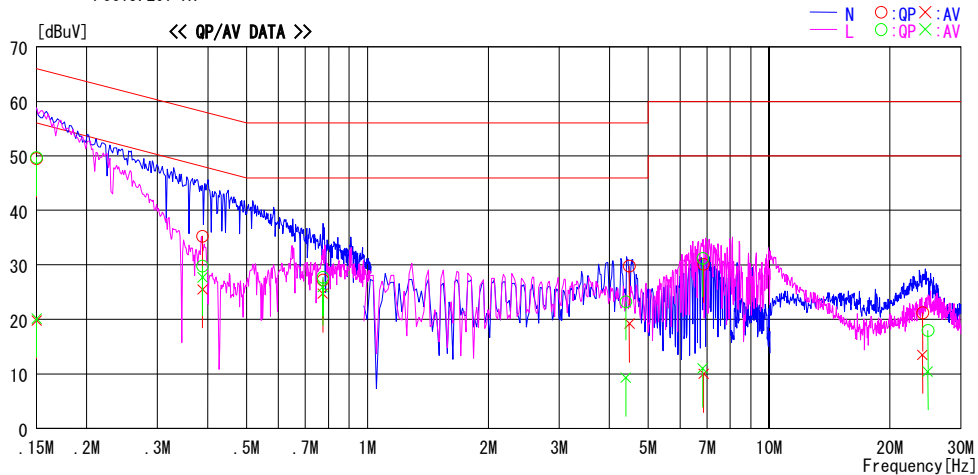
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

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 : 11g, Tx(Turbo), 2437MHz

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	49.4	19.7	0.1	49.5	19.8	66.0	56.0	16.5	36.2	N
0.38850	35.0	25.2	0.3	35.3	25.5	58.1	48.1	22.8	22.6	N
0.77396	26.9	24.4	0.3	27.2	24.7	56.0	46.0	28.8	21.3	N
4.48800	29.1	18.5	0.7	29.8	19.2	56.0	46.0	26.2	26.8	N
6.86790	29.2	9.1	0.9	30.1	10.0	60.0	50.0	29.9	40.0	N
24.09583	19.4	11.7	1.8	21.2	13.5	60.0	50.0	38.8	36.5	N
0.15000	49.6	20.0	0.1	49.7	20.1	66.0	56.0	16.3	35.9	L
0.38850	29.5	27.4	0.3	29.8	27.7	58.1	48.1	28.3	20.4	L
0.77413	27.4	25.7	0.3	27.7	26.0	56.0	46.0	28.3	20.1	L
4.39477	22.6	8.6	0.7	23.3	9.3	56.0	46.0	32.7	36.7	L
6.83578	30.3	10.1	0.9	31.2	11.0	60.0	50.0	28.8	39.0	L
24.85957	16.2	8.7	1.8	18.0	10.5	60.0	50.0	42.0	39.5	L

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.

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

Conducted Emission
11g, Rx, Ch: Mid (Turbo)
DATA OF CONDUCTED EMISSION TEST

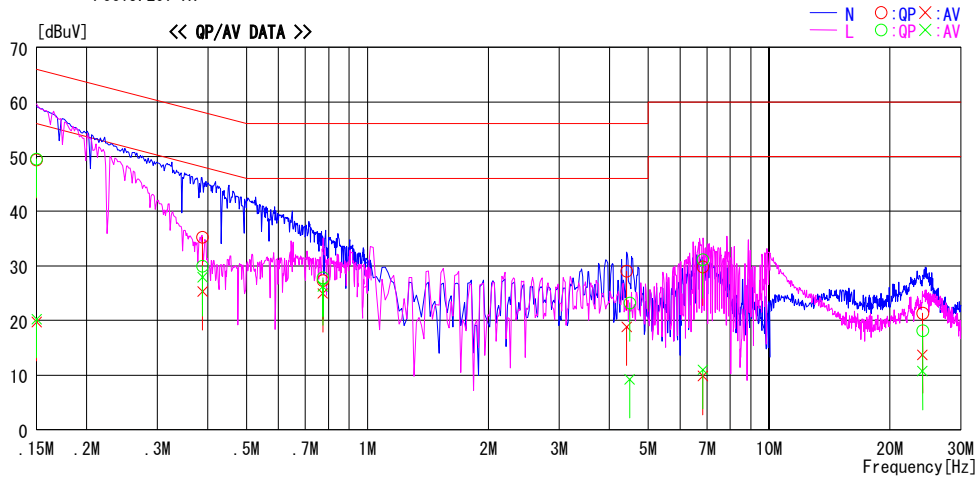
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/21

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 : 11g, Rx(Turbo), 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



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]	
0.15000	49.3	19.6	0.1	49.4	19.7	66.0	56.0	16.6	36.3	N
0.38845	34.9	25.0	0.3	35.2	25.3	58.1	48.1	22.9	22.8	N
0.77375	27.0	24.6	0.3	27.3	24.9	56.0	46.0	28.7	21.1	N
4.41880	28.3	18.1	0.7	29.0	18.8	56.0	46.0	27.0	27.2	N
6.83800	28.9	8.9	0.9	29.8	9.8	60.0	50.0	30.2	40.2	N
24.08967	19.5	11.9	1.8	21.3	13.7	60.0	50.0	38.7	36.3	N
0.15000	49.5	20.1	0.1	49.6	20.2	66.0	56.0	16.4	35.8	L
0.38845	29.6	27.6	0.3	29.9	27.9	58.1	48.1	28.2	20.2	L
0.77396	27.5	25.9	0.3	27.8	26.2	56.0	46.0	28.2	19.8	L
4.49236	22.5	8.5	0.7	23.2	9.2	56.0	46.0	32.8	36.8	L
6.83800	30.2	10.0	0.9	31.1	10.9	60.0	50.0	28.9	39.1	L
24.08946	16.3	8.9	1.8	18.1	10.7	60.0	50.0	41.9	39.3	L

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.

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

Conducted Emission

11a, Tx, Ch: Low (Turbo)

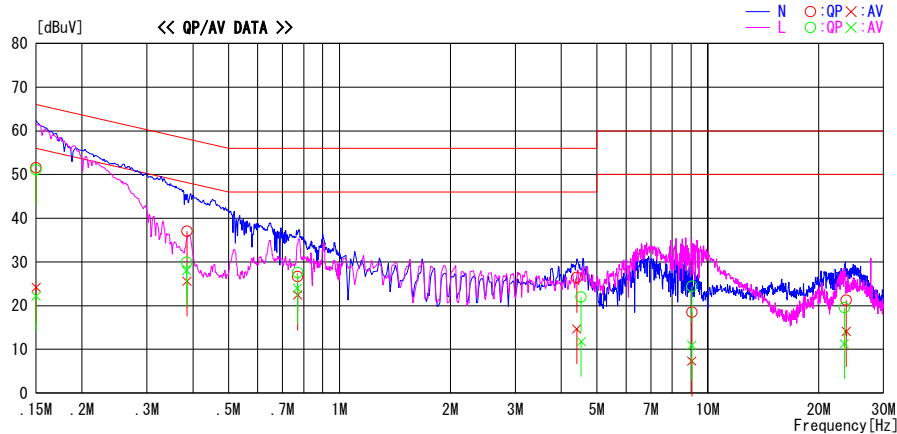
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2009/03/05

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A8
Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C / 33%
Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Tx(Turbo), 5760MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



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]	
0.15000	51.3	23.9	0.3	51.6	24.2	66.0	56.0	14.4	31.8	N
0.38537	36.7	25.3	0.3	37.0	25.6	58.2	48.2	21.2	22.6	N
0.76940	26.3	22.0	0.4	26.7	22.4	56.0	46.0	29.3	23.6	N
4.40296	25.6	13.9	0.8	26.4	14.7	56.0	46.0	29.6	31.3	N
9.04562	17.3	6.1	1.2	18.5	7.3	60.0	50.0	41.5	42.7	N
23.74283	19.0	11.8	2.3	21.3	14.1	60.0	50.0	38.7	35.9	N
0.15000	50.8	21.9	0.3	51.1	22.2	66.0	56.0	14.9	33.8	L
0.38443	29.6	27.7	0.3	29.9	28.0	58.2	48.2	28.3	20.2	L
0.76864	27.2	23.6	0.4	27.6	24.0	56.0	46.0	28.4	22.0	L
4.52712	21.2	11.0	0.8	22.0	11.8	56.0	46.0	34.0	34.2	L
9.04433	23.2	9.8	1.2	24.4	11.0	60.0	50.0	35.6	39.0	L
23.45332	17.3	9.0	2.3	19.6	11.3	60.0	50.0	40.4	38.7	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, Ch: High (Turbo)

DATA OF CONDUCTED EMISSION TEST

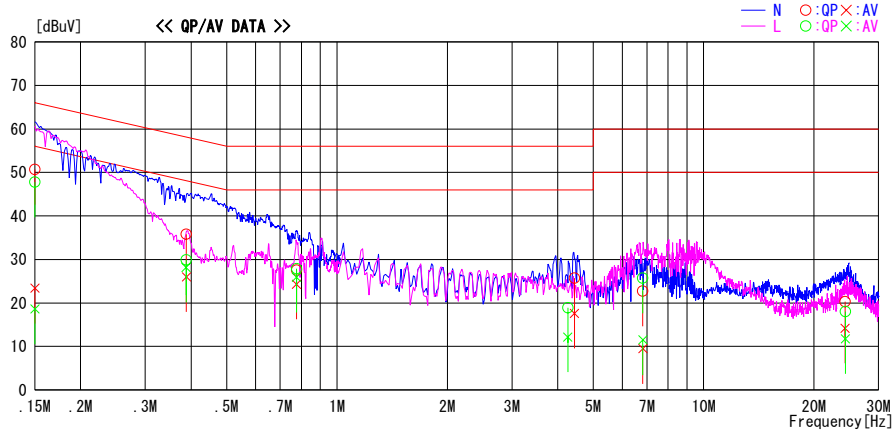
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2009/03/05

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A8

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg. C. / 33%
Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Tx(Turbo), 5805MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading		Level [dBuV]	Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]			QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15000	50.4	23.1	0.3		50.7	23.4	66.0	56.0	15.3	32.6	N
0.38826	35.5	25.7	0.3		35.8	26.0	58.1	48.1	22.3	22.1	N
0.77581	27.2	23.9	0.4		27.6	24.3	56.0	46.0	28.4	21.7	N
4.44253	24.9	16.8	0.8		25.7	17.6	56.0	46.0	30.3	28.4	N
6.62603	21.7	8.5	1.0		22.7	9.5	60.0	50.0	37.3	40.5	N
24.31809	18.0	11.9	2.3		20.3	14.2	60.0	50.0	39.7	35.8	N
0.15000	47.5	18.3	0.3		47.8	18.6	66.0	56.0	18.2	37.4	L
0.38788	29.6	27.9	0.3		29.9	28.2	58.1	48.1	28.2	19.9	L
0.77531	27.5	25.5	0.4		27.9	25.9	56.0	46.0	28.1	20.1	L
4.26305	18.1	11.4	0.8		18.9	12.2	56.0	46.0	37.1	33.8	L
6.82599	24.7	10.5	1.0		25.7	11.5	60.0	50.0	34.3	38.5	L
24.35617	15.7	9.5	2.3		18.0	11.8	60.0	50.0	42.0	38.2	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 11g, Rx, Ch: Low (Turbo)

DATA OF CONDUCTED EMISSION TEST

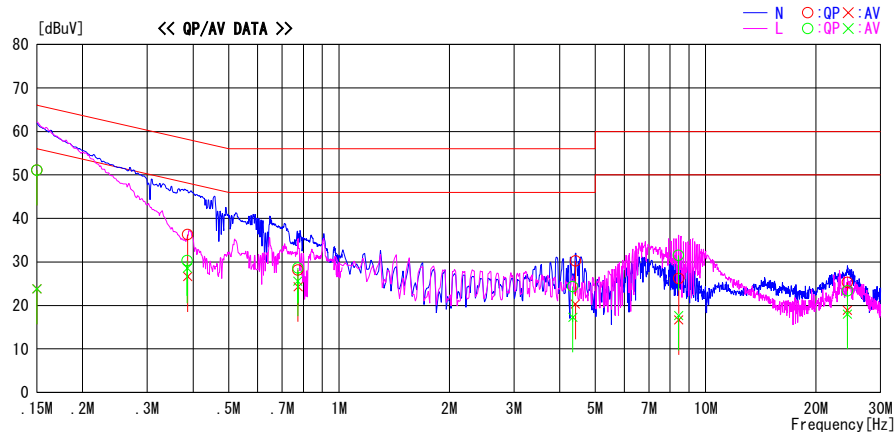
UL Japan, Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2009/03/05

Company : silex technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A8

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C. / 33%
Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx(Turbo), 5760MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



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]	
0.15000	50.8	23.5	0.3	51.1	23.8	66.0	56.0	14.9	32.2	N
0.38673	36.0	26.3	0.3	36.3	26.6	58.1	48.1	21.8	21.5	N
0.77317	27.7	23.9	0.4	28.1	24.3	56.0	46.0	27.9	21.7	N
4.41413	29.4	19.5	0.8	30.2	20.3	56.0	46.0	25.8	25.7	N
8.44255	25.1	15.6	1.1	26.2	16.7	60.0	50.0	33.8	33.3	N
24.35523	23.0	16.6	2.3	25.3	18.9	60.0	50.0	34.7	31.1	N
0.15000	50.8	23.5	0.3	51.1	23.8	66.0	56.0	14.9	32.2	L
0.38596	30.0	28.3	0.3	30.3	28.6	58.2	48.2	27.9	19.6	L
0.77244	28.2	25.2	0.4	28.6	25.6	56.0	46.0	27.4	20.4	L
4.34141	23.5	16.5	0.8	24.3	17.3	56.0	46.0	31.7	28.7	L
8.43825	30.4	16.6	1.1	31.5	17.7	60.0	50.0	28.5	32.3	L
24.35443	21.1	15.7	2.3	23.4	18.0	60.0	50.0	36.6	32.0	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 11g, Rx, Ch: High (Turbo)

DATA OF CONDUCTED EMISSION TEST

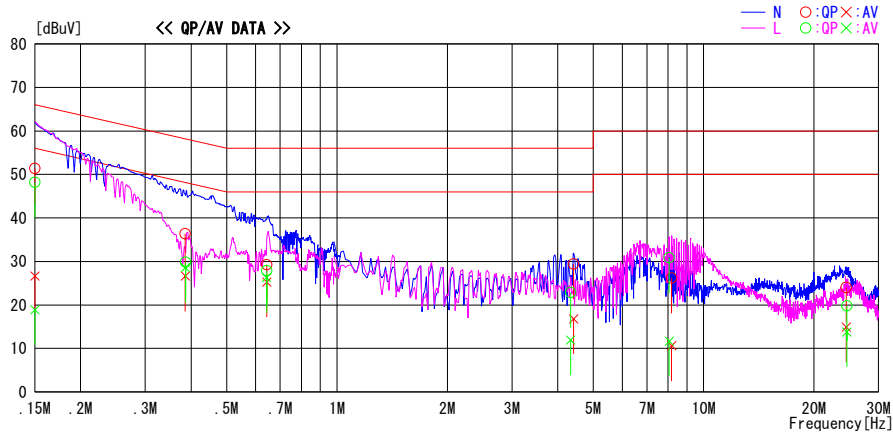
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2009/03/05

Company : silix technology, Inc.
Kind of EUT : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A8

Report No. : 29EE0161-HO-01
Power : DC 3.3V (AC 120V / 60Hz)
Temp./Humi. : 21deg.C / 33%
Engineer : Tomotaka Sasagawa

Mode / Remarks : 11a, Rx(Turbo), 5805MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP	AV		QP	AV	QP	AV	QP	AV	
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	
0.15000	51.1	26.3	0.3	51.4	26.6	66.0	56.0	14.6	29.4	N
0.38601	36.1	26.3	0.3	36.4	26.6	58.1	48.1	21.7	21.5	N
0.64397	28.9	24.9	0.4	29.3	25.3	56.0	46.0	26.7	20.7	N
4.41779	28.6	16.0	0.8	29.4	16.8	56.0	46.0	26.6	29.2	N
8.18461	25.1	9.5	1.1	26.2	10.6	60.0	50.0	33.8	39.4	N
24.49516	21.7	12.6	2.3	24.0	14.9	60.0	50.0	36.0	35.1	N
0.15000	47.9	18.6	0.3	48.2	18.9	66.0	56.0	17.8	37.1	L
0.38617	29.5	28.3	0.3	29.8	28.6	58.1	48.1	28.3	19.5	L
0.64323	27.5	25.9	0.4	27.9	26.3	56.0	46.0	28.1	19.7	L
4.33851	22.1	11.1	0.8	22.9	11.9	56.0	46.0	33.1	34.1	L
8.05500	29.8	10.6	1.1	30.9	11.7	60.0	50.0	29.1	38.3	L
24.57728	17.5	11.5	2.3	19.8	13.8	60.0	50.0	40.2	36.2	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.

6dB Bandwidth

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A5
: 0080920115A8 (11a Turbo only)
Power : DC3.3V (AC 120V/60Hz)
Mode : Tx, 11b
: Tx, 11g
: Tx, 11g, Turbo
: Tx, 11a
: Tx, 11a, Turbo

UL Japan, Inc.
Head Office EMC Lab. No.11 Measurement Room
Test Report No. : 29EE0161-HO-01
Regulation : FCC15.247(a)(2)/RSS-210A8.2(a)
Test Distance : -
Date : January 9, 2009 : March 3, 2009
Temperature : 22deg.C. : 21deg.C.
Humidity : 41% : 45%
Engineer : Tomohisa Nakagawa : Takeshi Choda

[IEEE802.11b] ANT: A, 11Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	12.215	>500
Mid	2437.0	12.119	>500
High	2462.0	12.061	>500

[IEEE802.11g] ANT: A, 24Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.501	>500
Mid	2437.0	16.490	>500
High	2462.0	16.509	>500

[IEEE802.11g Turbo] ANT: A, 48Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Mid	2437.0	32.762	>500

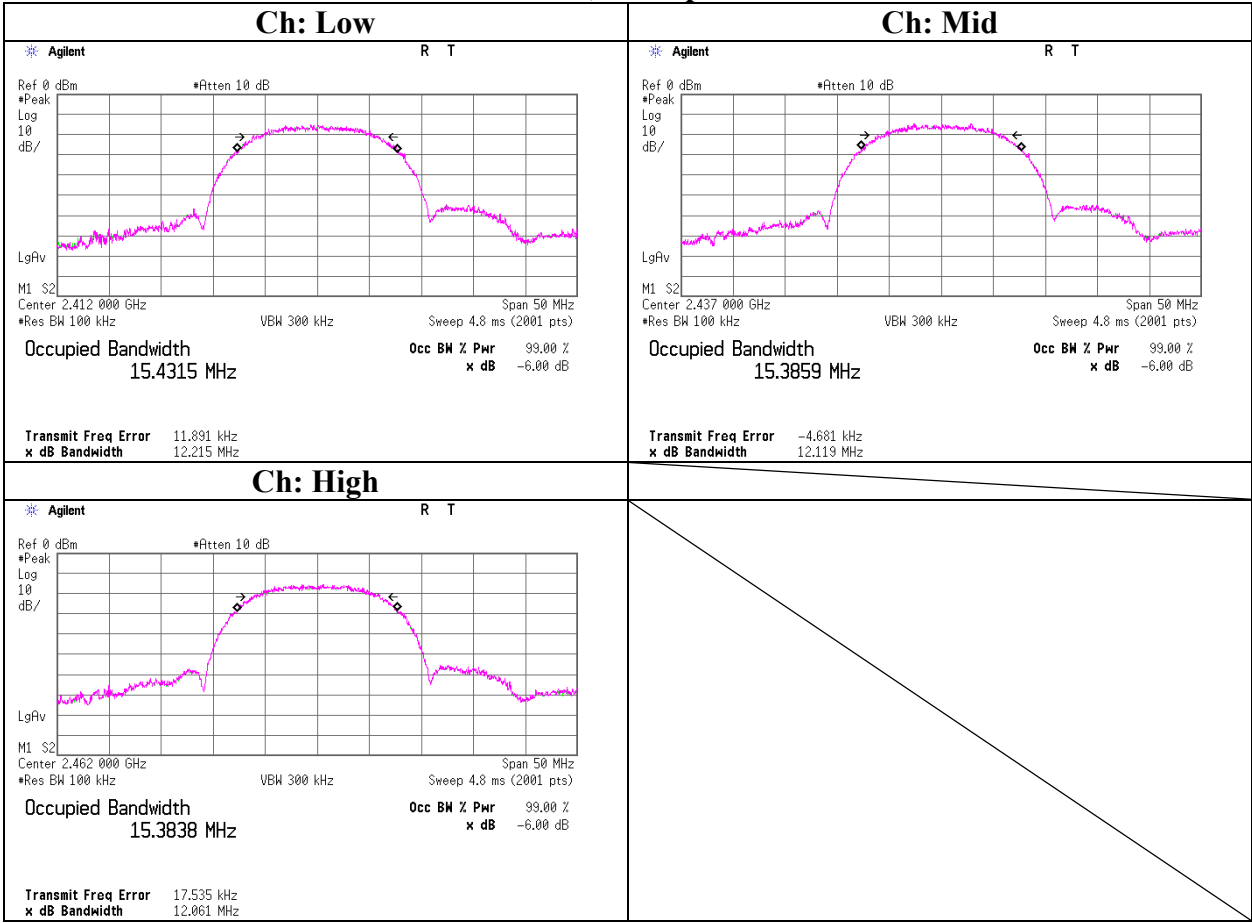
[IEEE802.11a, Upper band] Ant:A, 24Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	5745.0	16.409	>500
Mid	5785.0	16.410	>500
High	5825.0	16.474	>500

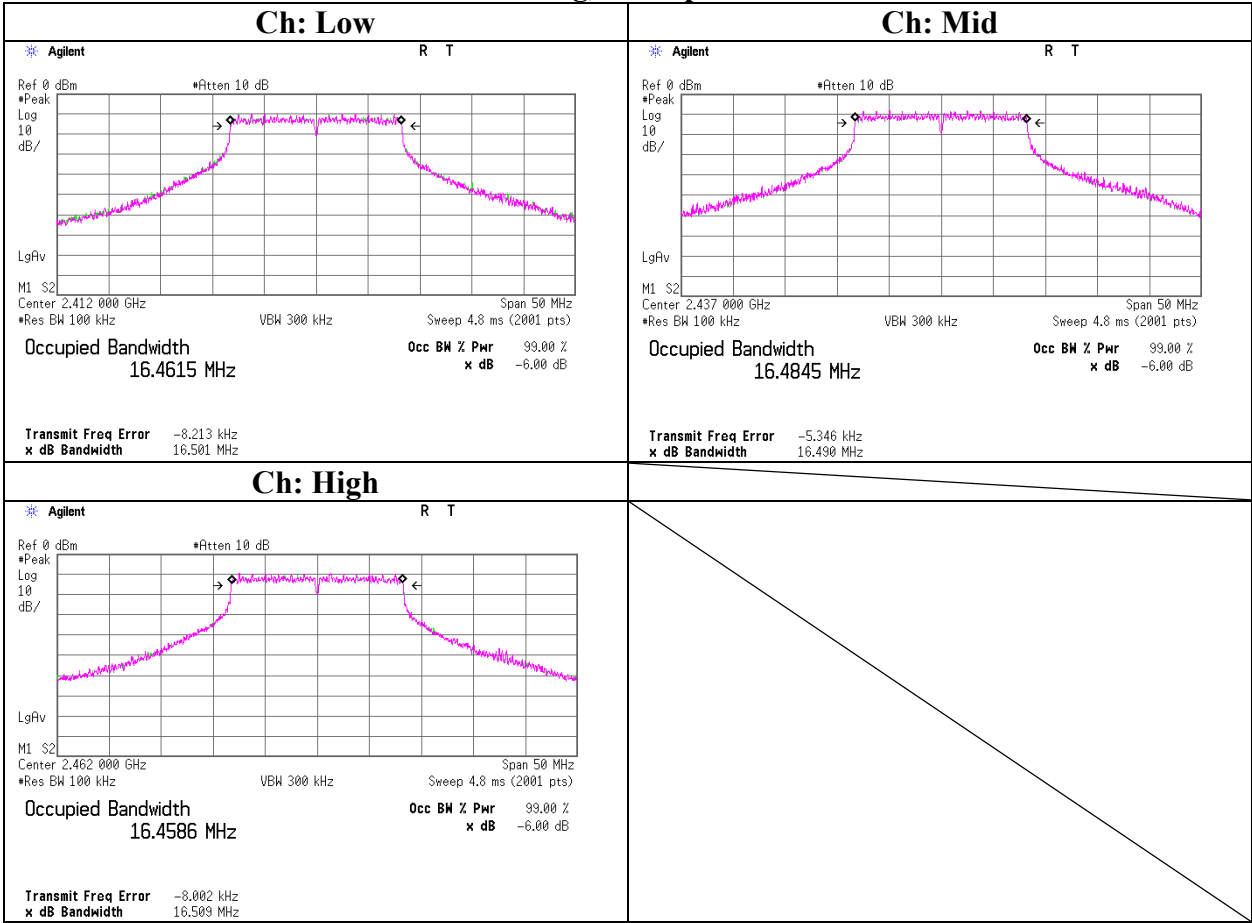
[IEEE802.11a Turbo, Upper band] Ant:A, 48Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	5760.0	32.795	>500
High	5805.0	32.795	>500

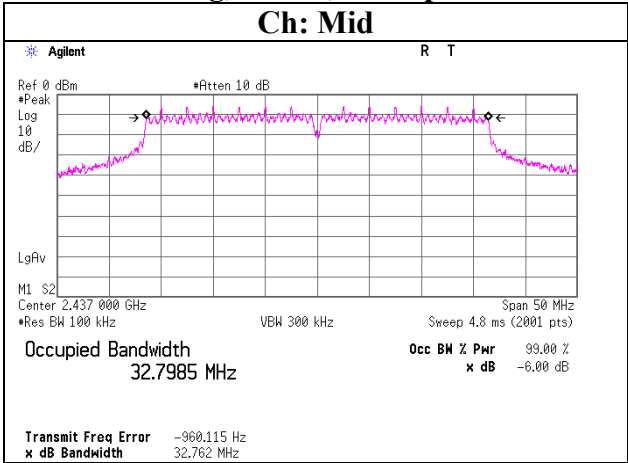
6dB Bandwidth
11b, 11Mbps



6dB Bandwidth
11g, 24Mbps

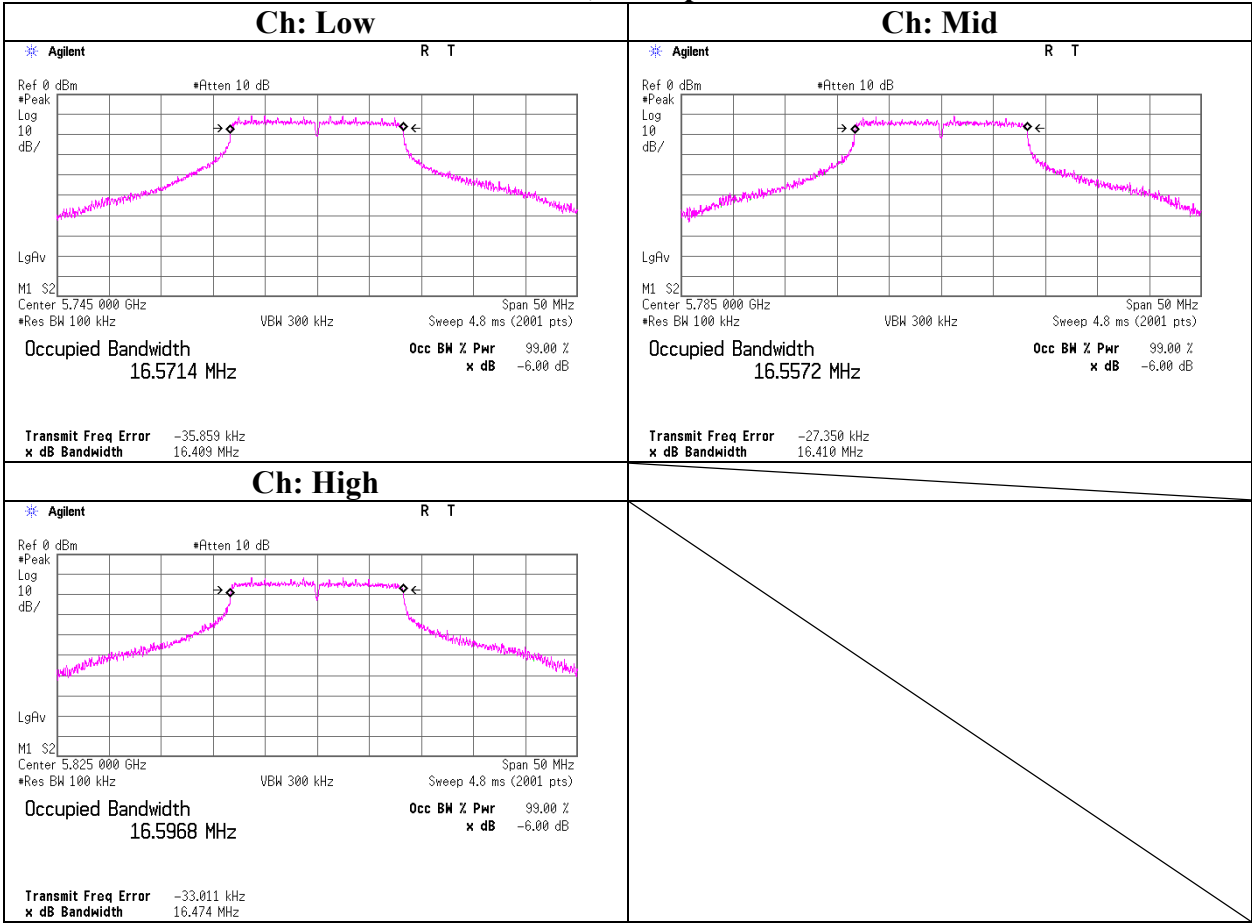


11g, Turbo, 48Mbps
Ch: Mid

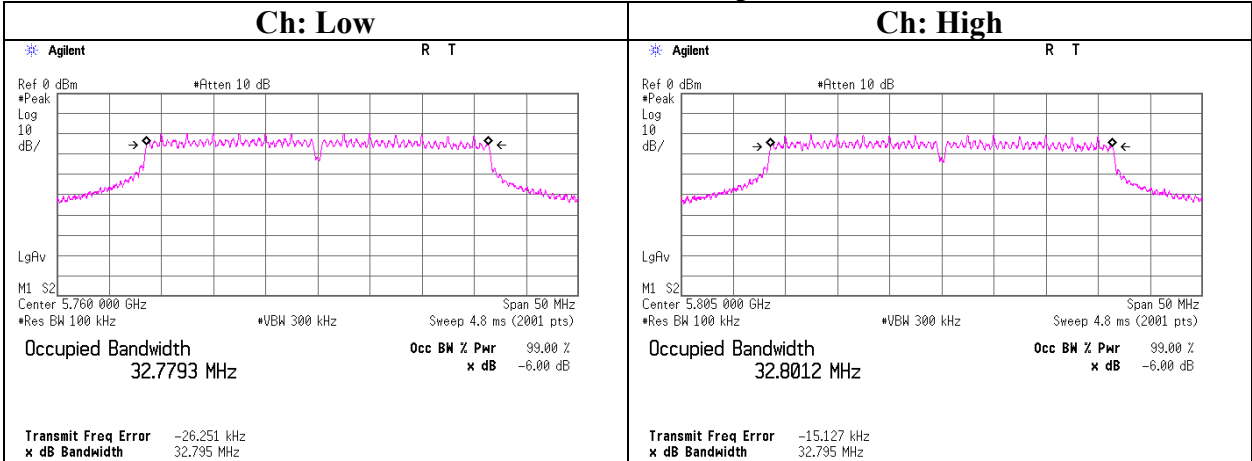


6dB Bandwidth

11a, 24Mbps



11a, Turbo, 48Mbps



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.11 Measurement Room

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A7
Power : DC3.3V (AC 120V/60Hz)
Mode : Tx, 11b
: Tx, 11g

Test Report No. : 29EE0161-HO-01
Regulation : FCC15.247(b)(3)/RSS-210A8.4(4)
Test distance : -
Date : February 16, 2009
Temperature : 22deg.C.
Humidity : 33%
Engineer : Takeshi Choda

[IEEE802.11b] ANT: A, 11Mbps (Worst)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	-3.35	1.69	19.98	18.32	67.92	30.00	1000	11.68
Mid	2437.0	-3.40	1.70	19.98	18.28	67.30	30.00	1000	11.72
High	2462.0	-3.23	1.71	19.98	18.46	70.15	30.00	1000	11.54

[IEEE802.11b] ANT: B, 11Mbps

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	-3.42	1.69	19.98	18.25	66.83	30.00	1000	11.75
Mid	2437.0	-3.71	1.70	19.98	17.97	62.66	30.00	1000	12.03
High	2462.0	-3.54	1.71	19.98	18.15	65.31	30.00	1000	11.85

[IEEE802.11g] ANT: A, 24Mbps (Worst)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	0.17	1.69	19.98	21.84	152.76	30.00	1000	8.16
Mid	2437.0	0.30	1.70	19.98	21.98	157.76	30.00	1000	8.02
High	2462.0	-0.27	1.71	19.98	21.42	138.68	30.00	1000	8.58

[IEEE802.11g] ANT: B, 24Mbps

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	-0.44	1.69	19.98	21.23	132.74	30.00	1000	8.77
Mid	2437.0	0.24	1.70	19.98	21.92	155.60	30.00	1000	8.08
High	2462.0	-0.32	1.71	19.98	21.37	137.09	30.00	1000	8.63

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.11 Measurement Room

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model No. : SX-10WAG-IT
Serial No. : 0080920115A7
Power : DC3.3V (AC 120V/60Hz)
Mode : Tx, 11a

Test Report No. : 29EE0161-HO-01
Regulation : FCC15.247(b)(3)/RSS-210A8.4(4)
Test distance : -
Date : February 16, 2009
Temperature : 22deg.C.
Humidity : 33%
Engineer : Takeshi Choda

[IEEE802.11a, Upper band] Ant A, 24 Mbps (worst)

Ch	Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
Low	5745.0	-0.46	2.73	20.01	22.28	169.04	30.00	1000	7.72
Mid	5785.0	-0.25	2.73	20.01	22.49	177.42	30.00	1000	7.51
High	5825.0	-0.22	2.73	20.01	22.52	178.65	30.00	1000	7.48

[IEEE802.11a, Upper band] Ant B, 24 Mbps

Ch	Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
Low	5745.0	-0.52	2.73	20.01	22.22	166.72	30.00	1000	7.78
Mid	5785.0	-0.43	2.73	20.01	22.31	170.22	30.00	1000	7.69
High	5825.0	-0.42	2.73	20.01	22.32	170.61	30.00	1000	7.68

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.11 Measurement Room

Company	: silex technology, Inc.	Test Report No.	: 29EE0161-HO-01
Equipment	: Wireless 11abg Adapter	Regulation	: FCC15.247(b)(3)/RSS-210A8.4(4)
Model No.	: SX-10WAG-IT	Test distance	: -
Serial No.	: 0080920115A7	Date	: February 22, 2009 : March 04, 2009
	0080920115A8 (11a Turbo only)	Temperature	: 17deg.C. : 21deg.C.
Power	: DC3.3V (AC 120V/60Hz)	Humidity	: 38% : 45%
Mode	: Tx, 11g, Turbo	Engineer	: Takeshi Choda : Takeshi Choda
	Tx, 11a, Turbo		

[IEEE802.11g Turbo] ANT: A, 48Mbps (Worst)

Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
2437.0	0.54	1.69	19.98	22.21	166.34	30.00	1000	7.79

[IEEE802.11g Turbo] ANT: B, 48Mbps

Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
2437.0	0.46	1.69	19.98	22.13	163.31	30.00	1000	7.87

[IEEE802.11a Turbo, Upper band] ANT: A, 48Mbps (Worst)

Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
5760.0	-1.27	2.71	20.01	21.45	139.64	30.00	1000	8.55
5805.0	-1.66	2.71	20.01	21.06	127.64	30.00	1000	8.94

[IEEE802.11a Turbo, Upper band] ANT: B, 48Mbps

Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
5760.0	-1.32	2.71	20.01	21.40	138.04	30.00	1000	8.60
5805.0	-1.69	2.71	20.01	21.03	126.77	30.00	1000	8.97

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

Maximum Peak Output Power (Reference data)

11b Rate Check

[IEEE 802.11b] ANT:A

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
1	2412	-3.42	1.69	19.98	18.25	66.83	30	1000	11.75
2	2412	-3.37	1.69	19.98	18.3	67.61	30	1000	11.7
5.5	2412	-3.43	1.69	19.98	18.24	66.68	30	1000	11.76
11	2412	-3.35	1.69	19.98	18.32	67.92	30	1000	11.68

11g Rate Check

[IEEE 802.11g] ANT:A

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
6	2412	-0.15	1.69	19.98	21.52	141.91	30	1000	8.48
9	2412	0.01	1.69	19.98	21.68	147.23	30	1000	8.32
12	2412	0.06	1.69	19.98	21.73	148.94	30	1000	8.27
18	2412	0.14	1.69	19.98	21.81	151.71	30	1000	8.19
24	2412	0.17	1.69	19.98	21.84	152.76	30	1000	8.16
36	2412	0.07	1.69	19.98	21.74	149.28	30	1000	8.26
48	2412	-0.14	1.69	19.98	21.53	142.23	30	1000	8.47
54	2412	0.13	1.69	19.98	21.8	151.36	30	1000	8.2

11a Rate Check

[IEEE 802.11a, Upper band] ANT:A

Rate [Mbps]	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
6	5785	-1.04	2.73	20.01	21.7	147.91	30	1000	8.3
9	5785	-0.92	2.73	20.01	21.82	152.05	30	1000	8.18
12	5785	-0.78	2.73	20.01	21.96	157.04	30	1000	8.04
18	5785	-0.69	2.73	20.01	22.05	160.32	30	1000	7.95
24	5785	-0.43	2.73	20.01	22.31	170.22	30	1000	7.69
36	5785	-0.51	2.73	20.01	22.23	167.11	30	1000	7.77
48	5785	-0.61	2.73	20.01	22.13	163.31	30	1000	7.87
54	5785	-0.47	2.73	20.01	22.27	168.66	30	1000	7.73

UL Japan, Inc.

Head Office EMC Lab.

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

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Facsimile : +81 596 24 8124

Maximum Peak Output Power (Reference data)

11g Rate Check

[IEEE 802.11g Turbo] ANT:A

Rate	Freq.	P/M	Cable	Atten.	Result		Limit		Margin
[Mbps]	[MHz]	Reading	Loss	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
12	2437	0.18	1.69	19.98	21.85	153.11	30	1000	8.15
18	2437	0.41	1.69	19.98	22.08	161.44	30	1000	7.92
24	2437	0.45	1.69	19.98	22.12	162.93	30	1000	7.88
36	2437	0.48	1.69	19.98	22.15	164.06	30	1000	7.85
48	2437	0.54	1.69	19.98	22.21	166.34	30	1000	7.79
72	2437	0.38	1.69	19.98	22.05	160.32	30	1000	7.95
96	2437	0.18	1.69	19.98	21.85	153.11	30	1000	8.15
108	2437	0.46	1.69	19.98	22.13	163.31	30	1000	7.87

11a Rate Check

[IEEE 802.11a Turbo, Upper band] ANT:A

Rate	Freq.	P/M	Cable	Atten.	Result		Limit		Margin
[Mbps]	[MHz]	Reading	Loss	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
12	5760	-1.49	2.71	20.01	21.23	132.74	30	1000	8.77
18	5760	-1.42	2.71	20.01	21.30	134.90	30	1000	8.70
24	5760	-1.66	2.71	20.01	21.06	127.64	30	1000	8.94
36	5760	-1.31	2.71	20.01	21.41	138.36	30	1000	8.59
48	5760	-1.27	2.71	20.01	21.45	139.64	30	1000	8.55
72	5760	-1.46	2.71	20.01	21.26	133.66	30	1000	8.74
96	5760	-1.75	2.71	20.01	20.97	125.03	30	1000	9.03
108	5760	-1.36	2.71	20.01	21.36	136.77	30	1000	8.64

Radiated Spurious Emission (below 1GHz)
11b, Tx, Ch: Low

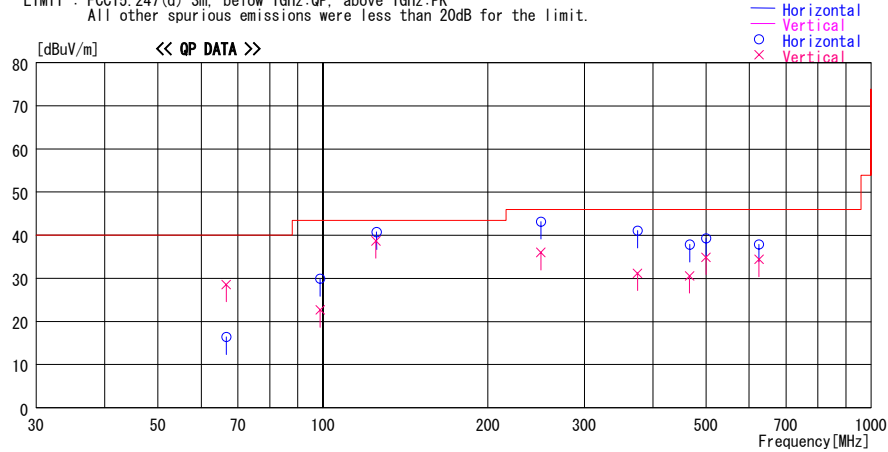
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11b, Tx, 2412MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
66.669	33.8	QP	6.9	-24.3	16.4	334	235	Hori.	40.0	23.6	
66.666	46.0	QP	6.9	-24.3	28.6	230	100	Vert.	40.0	11.4	
98.930	37.1	QP	9.5	-23.9	22.7	67	340	Vert.	43.5	20.8	
98.912	44.3	QP	9.5	-23.9	29.9	169	306	Hori.	43.5	13.6	
125.231	51.1	QP	13.1	-23.5	40.7	184	159	Hori.	43.5	2.8	
125.000	49.1	QP	13.1	-23.5	38.7	94	100	Vert.	43.5	4.8	
249.995	48.1	QP	17.6	-22.5	43.2	174	136	Hori.	46.0	2.8	
249.993	40.9	QP	17.6	-22.5	36.0	356	100	Vert.	46.0	10.0	
374.999	35.4	QP	17.4	-21.6	31.2	234	100	Vert.	46.0	14.8	
374.999	45.3	QP	17.4	-21.6	41.1	0	100	Hori.	46.0	4.9	
466.933	40.1	QP	18.7	-21.0	37.8	246	100	Hori.	46.0	8.2	
466.665	32.9	QP	18.7	-21.0	30.6	199	220	Vert.	46.0	15.4	
499.999	40.9	QP	19.2	-20.8	39.3	63	100	Hori.	46.0	6.7	
499.994	36.5	QP	19.2	-20.8	34.9	208	210	Vert.	46.0	11.1	
624.999	37.2	QP	20.9	-20.2	37.9	233	123	Hori.	46.0	8.1	
624.998	33.7	QP	20.9	-20.2	34.4	184	100	Vert.	46.0	11.6	

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

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

Radiated Spurious Emission (below 1GHz)
11b, Tx, Ch: Mid

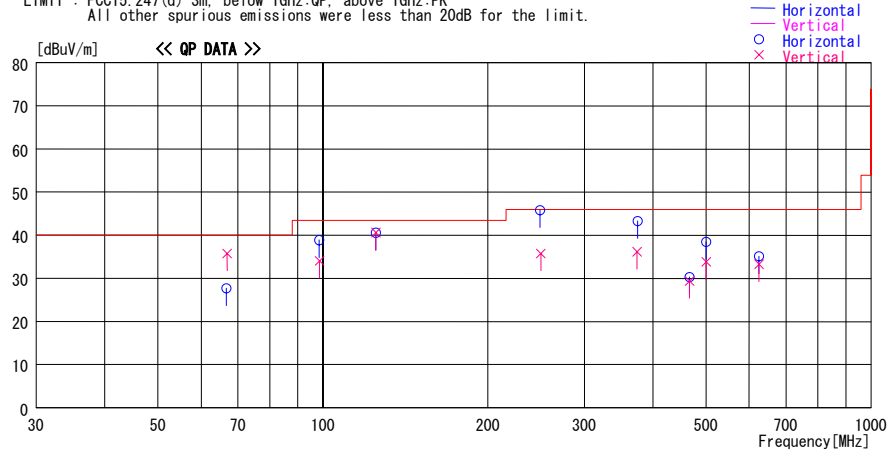
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11b, Tx, 2437MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
66.669	45.1	QP	6.9	-24.3	27.7	172	292	Hori.	40.0	12.3	
66.889	53.3	QP	6.8	-24.3	35.8	28	100	Vert.	40.0	4.2	
98.502	53.3	QP	9.5	-23.9	38.9	171	304	Hori.	43.5	4.6	
98.640	48.5	QP	9.5	-23.9	34.1	87	355	Vert.	43.5	9.4	
125.000	51.0	QP	13.1	-23.5	40.6	170	151	Hori.	43.5	2.9	
125.000	51.0	QP	13.1	-23.5	40.6	104	100	Vert.	43.5	2.9	
248.997	50.8	QP	17.5	-22.5	45.8	194	132	Hori.	46.0	0.2	
249.999	40.7	QP	17.6	-22.5	35.8	331	100	Vert.	46.0	10.2	
374.999	47.5	QP	17.4	-21.6	43.3	192	100	Hori.	46.0	2.7	
374.349	40.4	QP	17.4	-21.6	36.2	268	176	Vert.	46.0	9.8	
466.664	32.6	QP	18.7	-21.0	30.3	53	100	Hori.	46.0	15.7	
466.666	31.7	QP	18.7	-21.0	29.4	127	128	Vert.	46.0	16.6	
499.999	40.1	QP	19.2	-20.8	38.5	118	198	Hori.	46.0	7.5	
500.601	35.4	QP	19.2	-20.8	33.8	205	213	Vert.	46.0	12.2	
624.999	34.5	QP	20.9	-20.2	35.2	262	133	Hori.	46.0	10.8	
624.998	32.6	QP	20.9	-20.2	33.3	85	100	Vert.	46.0	12.7	

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)

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

Radiated Spurious Emission (below 1GHz)
11b, Tx, Ch: High

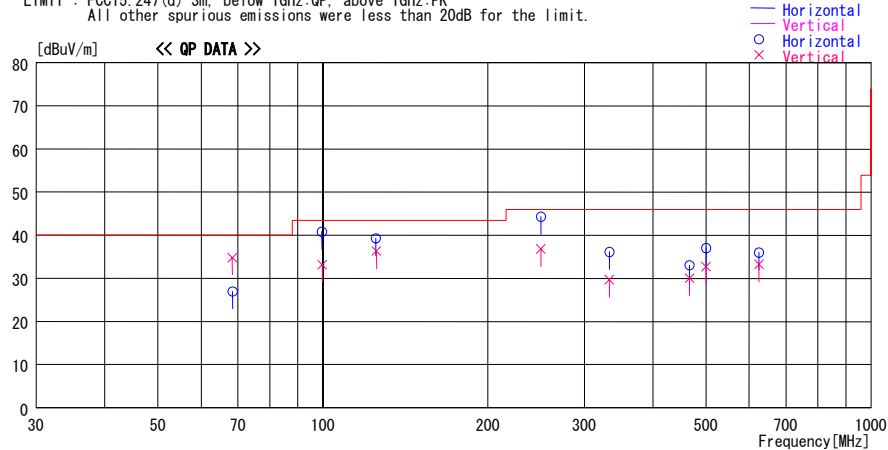
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11b, Tx, 2462MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
68.380	52.5	QP	6.6	-24.3	34.8	359	100	Vert.	40.0	5.2	
68.418	44.7	QP	6.6	-24.3	27.0	177	294	Hori.	40.0	13.0	
99.772	47.3	QP	9.7	-23.8	33.2	246	312	Vert.	43.5	10.3	
99.634	54.9	QP	9.7	-23.8	40.8	177	321	Hori.	43.5	2.7	
124.997	49.7	QP	13.1	-23.5	39.3	310	154	Hori.	43.5	4.2	
125.231	46.7	QP	13.1	-23.5	36.3	265	100	Vert.	43.5	7.2	
249.999	49.2	QP	17.6	-22.5	44.3	193	138	Hori.	46.0	1.7	
249.999	41.7	QP	17.6	-22.5	36.8	331	100	Vert.	46.0	9.2	
333.332	41.1	QP	16.9	-21.9	36.1	359	100	Hori.	46.0	9.9	
333.332	34.7	QP	16.9	-21.9	29.7	318	100	Vert.	46.0	16.3	
466.665	35.4	QP	18.7	-21.0	33.1	65	100	Hori.	46.0	12.9	
466.665	32.3	QP	18.7	-21.0	30.0	1429	115	Vert.	46.0	16.0	
499.998	38.6	QP	19.2	-20.8	37.0	292	193	Hori.	46.0	9.0	
499.998	34.3	QP	19.2	-20.8	32.7	22	100	Vert.	46.0	13.3	
624.998	32.6	QP	20.9	-20.2	33.3	181	100	Vert.	46.0	12.8	
624.998	35.3	QP	20.9	-20.2	36.0	267	134	Hori.	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)
11g, Tx, Ch: Low

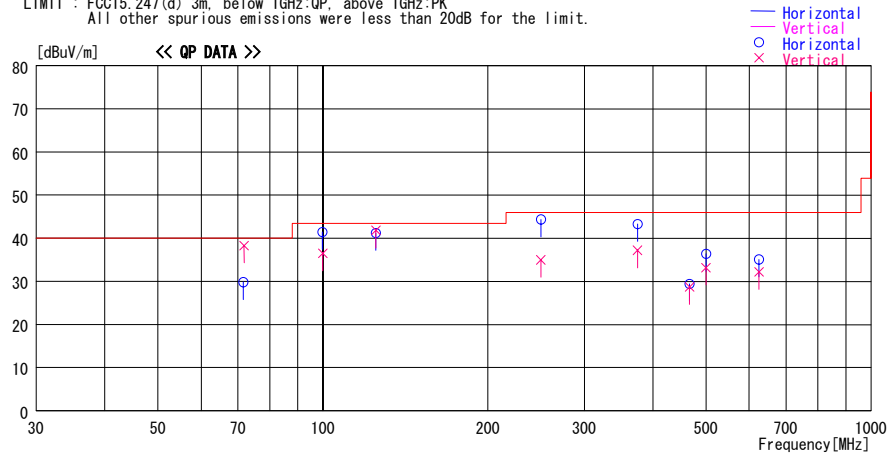
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11g, Tx, 2412MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
71.663	47.7	QP	6.4	-24.3	29.8	182	274	Hori.	40.0	10.2	
71.873	56.2	QP	6.4	-24.3	38.3	221	100	Vert.	40.0	1.7	
99.720	55.6	QP	9.7	-23.8	41.5	329	321	Hori.	43.5	2.0	
99.990	50.6	QP	9.7	-23.8	36.5	79	363	Vert.	43.5	7.0	
124.999	51.6	QP	13.1	-23.5	41.2	169	147	Hori.	43.5	2.3	
124.998	52.2	QP	13.1	-23.5	41.8	107	100	Vert.	43.5	1.7	
249.999	49.3	QP	17.6	-22.5	44.4	195	141	Hori.	46.0	1.6	
249.999	39.9	QP	17.6	-22.5	35.0	334	100	Vert.	46.0	11.0	
374.999	47.5	QP	17.4	-21.6	43.3	192	100	Hori.	46.0	2.7	
374.999	41.4	QP	17.4	-21.6	37.2	220	100	Vert.	46.0	8.8	
466.665	31.7	QP	18.7	-21.0	29.4	69	100	Hori.	46.0	16.6	
466.665	31.0	QP	18.7	-21.0	28.7	128	125	Vert.	46.0	17.3	
499.996	38.0	QP	19.2	-20.8	36.4	297	184	Hori.	46.0	9.6	
499.998	34.8	QP	19.2	-20.8	33.2	160	247	Vert.	46.0	12.8	
624.998	34.4	QP	20.9	-20.2	35.1	258	128	Hori.	46.0	10.9	
624.998	31.5	QP	20.9	-20.2	32.2	78	100	Vert.	46.0	13.8	

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

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

Radiated Spurious Emission (below 1GHz)
11g, Tx, Ch: Mid

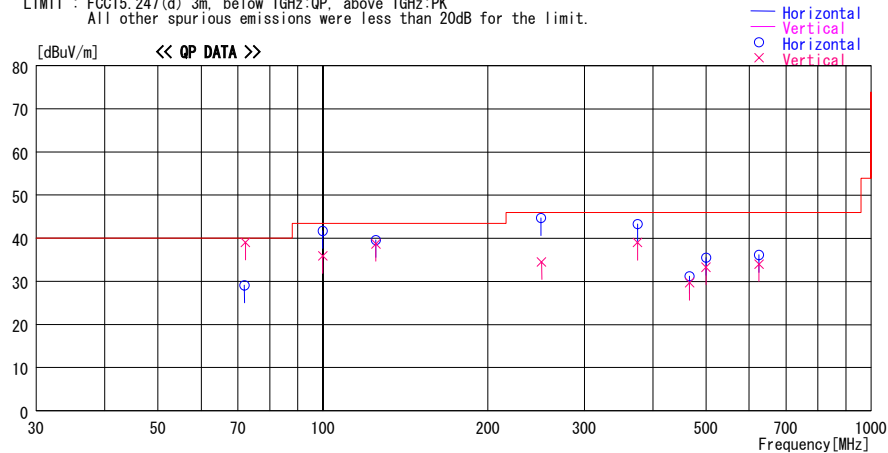
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11g, Tx, 2437MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
71.950	47.0	QP	6.4	-24.3	29.1	0	238	Hori.	40.0	10.9	
72.204	56.9	QP	6.4	-24.3	39.0	227	100	Vert.	40.0	1.0	
99.990	55.8	QP	9.7	-23.8	41.7	353	324	Hori.	43.5	1.8	
99.970	50.0	QP	9.7	-23.8	35.9	101	337	Vert.	43.5	7.6	
124.999	50.0	QP	13.1	-23.5	39.6	154	153	Hori.	43.5	3.9	
125.000	49.1	QP	13.1	-23.5	38.7	101	100	Vert.	43.5	4.8	
249.999	49.6	QP	17.6	-22.5	44.7	183	137	Hori.	46.0	1.3	
250.760	39.4	QP	17.6	-22.5	34.5	328	100	Vert.	46.0	11.5	
374.999	47.5	QP	17.4	-21.6	43.3	190	100	Hori.	46.0	2.7	
374.999	43.2	QP	17.4	-21.6	39.0	266	229	Vert.	46.0	7.0	
466.665	33.5	QP	18.7	-21.0	31.2	166	100	Hori.	46.0	14.8	
466.665	32.0	QP	18.7	-21.0	29.7	129	128	Vert.	46.0	16.3	
499.999	37.1	QP	19.2	-20.8	35.5	283	100	Hori.	46.0	10.5	
499.998	34.9	QP	19.2	-20.8	33.3	156	253	Vert.	46.0	12.7	
624.998	35.4	QP	20.9	-20.2	36.1	258	129	Hori.	46.0	9.9	
624.998	33.3	QP	20.9	-20.2	34.0	77	100	Vert.	46.0	12.0	

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)
11g, Tx, Ch: High

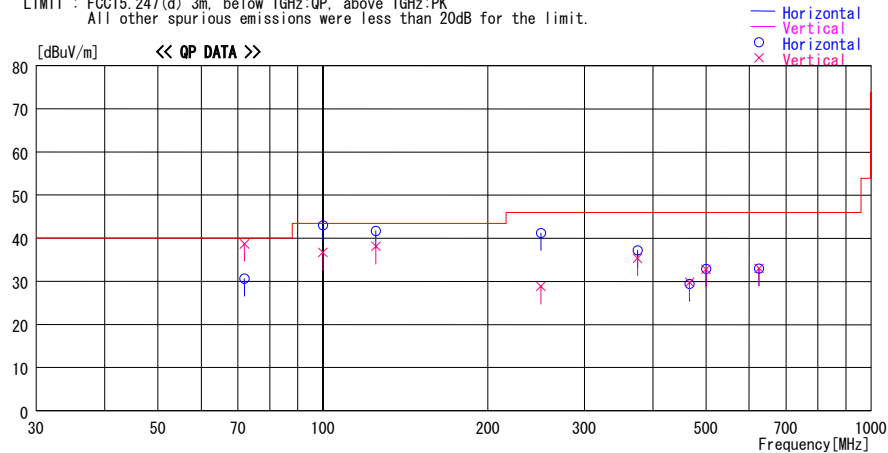
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11g, Tx, 2462MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
71.950	48.5	QP	6.4	-24.3	30.6	359	400	Hori.	40.0	9.4	
71.952	56.6	QP	6.4	-24.3	38.7	226	100	Vert.	40.0	1.3	
100.000	50.8	QP	9.7	-23.8	36.7	107	350	Vert.	43.5	6.8	
100.000	57.1	QP	9.7	-23.8	43.0	349	314	Hori.	43.5	0.5	
124.999	52.1	QP	13.1	-23.5	41.7	187	153	Hori.	43.5	1.8	
124.999	48.5	QP	13.1	-23.5	38.1	107	100	Vert.	43.5	5.4	
249.999	46.1	QP	17.6	-22.5	41.2	312	137	Hori.	46.0	4.8	
249.999	33.7	QP	17.6	-22.5	28.8	356	100	Vert.	46.0	17.2	
374.998	41.4	QP	17.4	-21.6	37.2	251	241	Hori.	46.0	8.8	
374.999	39.6	QP	17.4	-21.6	35.4	242	289	Vert.	46.0	10.6	
466.665	31.7	QP	18.7	-21.0	29.4	224	100	Hori.	46.0	16.6	
466.665	32.1	QP	18.7	-21.0	29.8	143	125	Vert.	46.0	16.2	
499.998	34.5	QP	19.2	-20.8	32.9	217	215	Hori.	46.0	13.1	
499.998	34.4	QP	19.2	-20.8	32.8	222	209	Vert.	46.0	13.2	
624.998	32.3	QP	20.9	-20.2	33.0	181	100	Hori.	46.0	13.0	
624.998	32.3	QP	20.9	-20.2	33.0	175	100	Vert.	46.0	13.0	

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, Ch: Low

DATA OF RADIATED EMISSION TEST

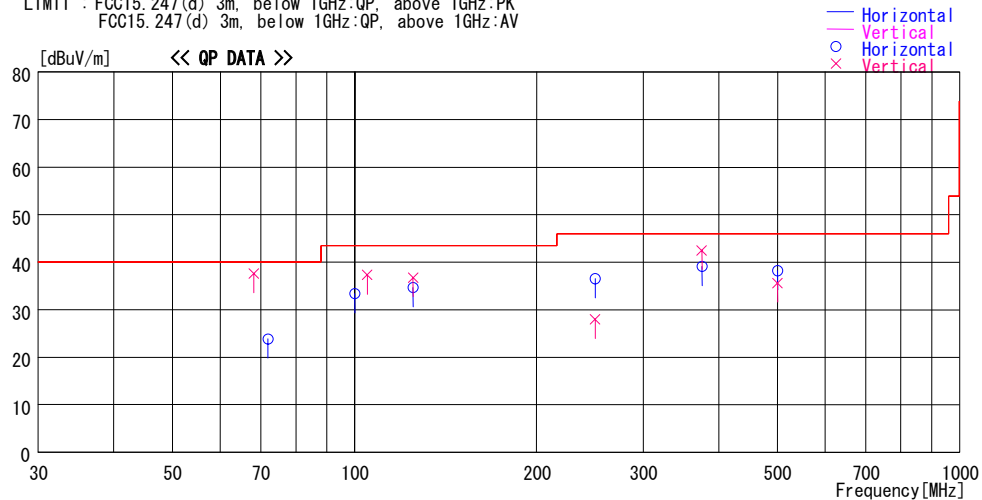
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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 : Norihisa Hashimoto

Mode / Remarks : 11a, Tx, 5745MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna		Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Loss & Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg.]	[cm]		[dBuV/m]	[dB]	
68.172	55.2	QP	6.7	-24.3	37.6	237	100	Vert.	40.0	2.4	
71.911	41.8	QP	6.4	-24.3	23.9	151	300	Hori.	40.0	16.1	
100.000	47.5	QP	9.7	-23.8	33.4	143	248	Hori.	43.5	10.1	
104.978	50.5	QP	10.6	-23.8	37.3	101	100	Vert.	43.5	6.2	
124.998	47.2	QP	13.1	-23.5	36.8	81	100	Vert.	43.5	6.7	
124.995	45.1	QP	13.1	-23.5	34.7	141	149	Hori.	43.5	8.8	
249.995	41.4	QP	17.6	-22.5	36.5	185	384	Hori.	46.0	9.5	
249.994	32.9	QP	17.6	-22.5	28.0	311	194	Vert.	46.0	18.0	
374.994	46.7	QP	17.4	-21.6	42.5	254	111	Vert.	46.0	3.5	
374.999	43.3	QP	17.4	-21.6	39.1	221	100	Hori.	46.0	6.9	
499.997	37.2	QP	19.2	-20.8	35.6	214	100	Vert.	46.0	10.4	
499.998	39.8	QP	19.2	-20.8	38.2	232	152	Hori.	46.0	7.8	

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)

*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, Ch: Mid

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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 : Norihisa Hashimoto

Mode / Remarks : 11a, Tx, 5785MHz_worst axis(Hor Module:Y, Ant:X / Ver Module:Z, Ant:Y)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV

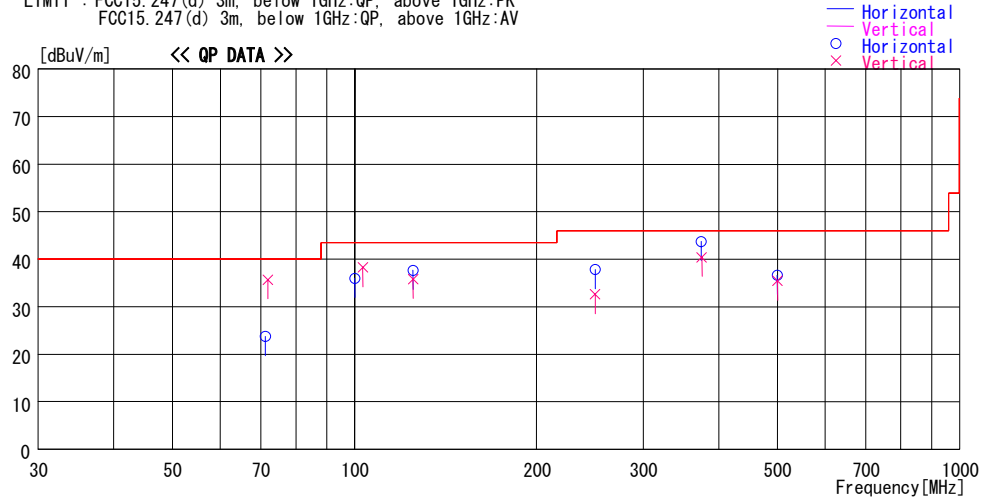


CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz:-HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

*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, Ch: High

DATA OF RADIATED EMISSION TEST

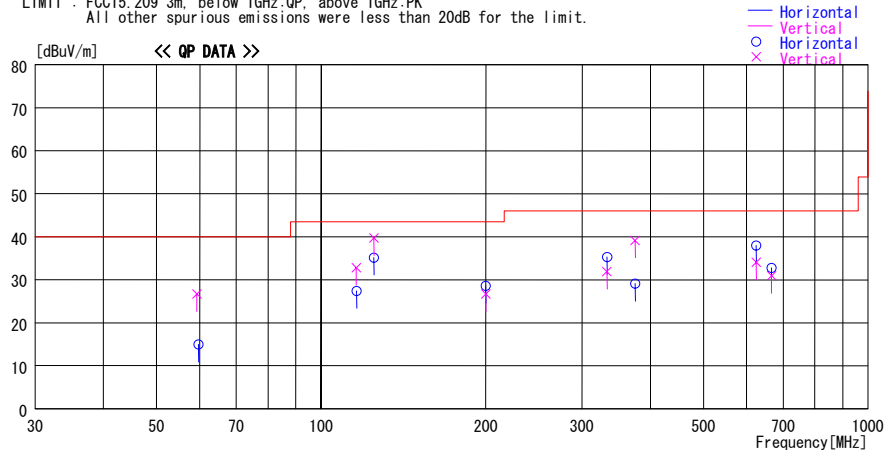
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2009/02/14

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. / 38%
Engineer : Takeshi Choda

Mode / Remarks : 11a, Tx, 5825MHz, Worst Axis(Hor:Module Y /Antenna X, Ver:Module Z /Antenna Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
59.240	39.9	QP	8.4	-21.6	26.7	3	100	Vert.	40.0	13.3	
59.700	28.2	QP	8.4	-21.6	15.0	354	300	Hori.	40.0	25.0	
116.002	41.2	QP	12.4	-20.8	32.8	96	100	Vert.	43.5	10.7	
116.150	35.7	QP	12.5	-20.8	27.4	158	292	Hori.	43.5	16.1	
125.000	47.1	QP	13.3	-20.7	39.7	67	100	Vert.	43.5	3.8	
125.000	42.6	QP	13.3	-20.7	35.2	289	150	Hori.	43.5	8.3	
199.999	32.0	QP	16.5	-19.9	28.6	317	100	Hori.	43.5	14.9	
200.003	30.1	QP	16.5	-19.9	26.7	213	191	Vert.	43.5	16.8	
333.333	36.4	QP	14.5	-19.0	31.9	309	100	Vert.	46.0	14.1	
333.335	39.8	QP	14.5	-19.0	35.3	359	100	Hori.	46.0	10.7	
375.000	42.0	QP	16.4	-19.2	39.2	258	122	Vert.	46.0	6.8	
375.000	31.9	QP	16.4	-19.2	29.1	332	100	Hori.	46.0	16.9	
624.998	37.3	QP	19.4	-18.7	38.0	247	118	Hori.	46.0	8.0	
625.000	33.4	QP	19.4	-18.7	34.1	40	104	Vert.	46.0	11.9	
666.665	31.5	QP	19.6	-18.4	32.7	243	119	Hori.	46.0	13.3	
666.667	29.7	QP	19.6	-18.4	30.9	49	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)

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

Radiated Spurious Emission (below 1GHz)
11b, Rx, Ch: Mid

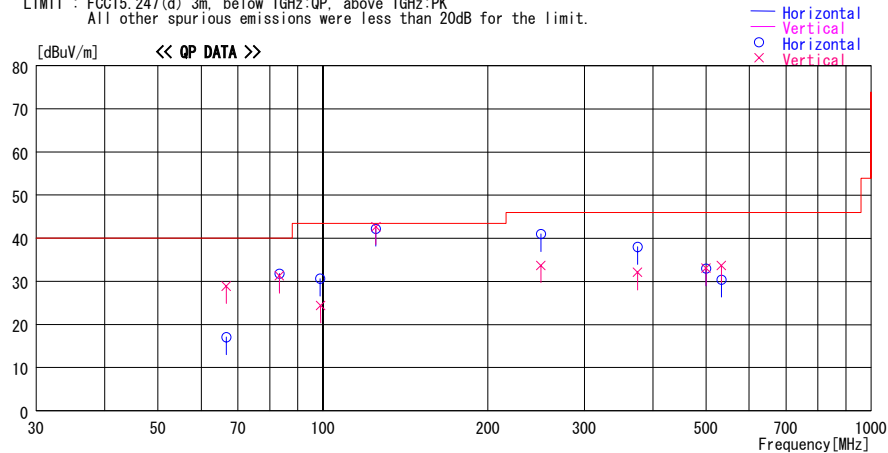
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11b, Rx, 2437MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
66.665	46.3	QP	6.9	-24.3	28.9	225	100	Vert.	40.0	11.1	
66.666	34.5	QP	6.9	-24.3	17.1	333	250	Hori.	40.0	22.9	
83.334	49.0	QP	6.8	-24.0	31.8	181	226	Hori.	40.0	8.2	
83.331	48.5	QP	6.8	-24.0	31.3	139	123	Vert.	40.0	8.7	
98.863	45.0	QP	9.5	-23.9	30.6	342	320	Hori.	43.5	12.9	
99.066	38.7	QP	9.6	-23.9	24.4	98	121	Vert.	43.5	19.1	
124.999	53.0	QP	13.1	-23.5	42.6	98	100	Vert.	43.5	0.9	
125.000	52.6	QP	13.1	-23.5	42.2	301	156	Hori.	43.5	1.3	
250.000	45.9	QP	17.6	-22.5	41.0	359	135	Hori.	46.0	5.0	
249.999	38.6	QP	17.6	-22.5	33.7	324	101	Vert.	46.0	12.3	
374.999	42.2	QP	17.4	-21.6	38.0	189	100	Hori.	46.0	8.0	
374.999	36.3	QP	17.4	-21.6	32.1	256	182	Vert.	46.0	13.9	
499.998	34.6	QP	19.2	-20.8	33.0	189	100	Hori.	46.0	13.0	
499.998	34.7	QP	19.2	-20.8	33.1	185	216	Vert.	46.0	12.9	
533.331	31.4	QP	19.6	-20.6	30.4	179	100	Hori.	46.0	15.6	
533.331	34.7	QP	19.6	-20.6	33.7	303	100	Vert.	46.0	12.3	

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 (below 1GHz)
11g, Rx, Ch: Mid

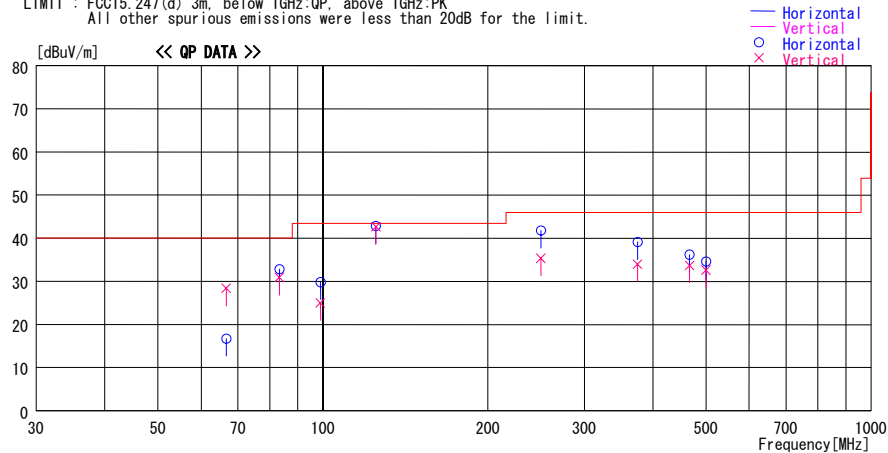
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2009/02/18

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. / 36%
Serial No. : 0080920115A7 Engineer : Takeshi Choda

Mode / Remarks : 11g, Rx, 2437MHz worst axis(Hor Module:X, Ant:X / Ver Module:X, 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	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
66.667	34.1	QP	6.9	-24.3	16.7	169	303	Hori.	40.0	23.3	
66.666	45.8	QP	6.9	-24.3	28.4	209	100	Vert.	40.0	11.6	
83.337	50.0	QP	6.8	-24.0	32.8	169	226	Hori.	40.0	7.2	
83.331	48.1	QP	6.8	-24.0	30.9	158	100	Vert.	40.0	9.1	
99.008	39.3	QP	9.6	-23.9	25.0	93	100	Vert.	43.5	18.5	
99.088	44.1	QP	9.6	-23.9	29.8	183	312	Hori.	43.5	13.7	
124.999	53.2	QP	13.1	-23.5	42.8	319	156	Hori.	43.5	0.7	
124.999	53.0	QP	13.1	-23.5	42.6	99	100	Vert.	43.5	0.9	
249.999	40.3	QP	17.6	-22.5	35.4	321	100	Vert.	46.0	10.6	
249.999	46.7	QP	17.6	-22.5	41.8	192	131	Hori.	46.0	4.2	
374.999	43.3	QP	17.4	-21.6	39.1	0	100	Hori.	46.0	6.9	
374.999	38.2	QP	17.4	-21.6	34.0	256	176	Vert.	46.0	12.0	
466.665	38.5	QP	18.7	-21.0	36.2	275	100	Hori.	46.0	9.8	
466.665	36.0	QP	18.7	-21.0	33.7	219	100	Vert.	46.0	12.3	
499.999	34.2	QP	19.2	-20.8	32.6	204	207	Vert.	46.0	13.4	
499.998	36.2	QP	19.2	-20.8	34.6	51	100	Hori.	46.0	11.4	

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 (above 1GHz)

11b, Tx, Ch: Low

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11b, Tx, 2412MHz, 11Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	62.8	59.0	27.2	32.2	2.8	0.0	60.6	56.8	73.9	13.3	20.3
2 **	2400.00	74.3	69.0	-	-	-	-	-	-	73.9	-	-
3	4824.00	43.9	45.2	31.6	30.9	4.1	1.2	49.9	51.2	73.9	24.0	22.7
4	7236.00	42.5	43.1	36.0	32.0	4.6	1.0	52.1	52.7	73.9	21.8	21.2
5	9648.00	41.5	41.1	38.4	32.4	5.6	1.3	54.4	54.0	73.9	19.5	19.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24120.00	45.8	45.0	38.5	31.0	8.4	0.0	52.2	51.4	73.9	21.7	22.5

** Reference data (Refer to next page(20dBc data sheet))

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	50.1	46.1	27.2	32.2	2.8	0.0	47.9	43.9	53.9	6.0	10.0
2 **	2400.00	65.2	59.6	-	-	-	-	-	-	53.9	-	-
3	4824.00	29.2	29.3	31.6	30.9	4.1	1.2	35.2	35.3	53.9	18.7	18.6
4	7236.00	29.8	29.1	36.0	32.0	4.6	1.0	39.4	38.7	53.9	14.5	15.2
5	9648.00	27.9	28.3	38.4	32.4	5.6	1.3	40.8	41.2	53.9	13.1	12.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24120.00	32.7	32.6	38.5	31.0	8.4	0.0	39.1	39.0	53.9	14.8	14.9

** Reference data (Refer to next page(20dBc data sheet))

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3.0/1.0) = 9.5$ dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11b, Tx, Ch: Low

Company : silex technology, Inc. Equipment : Wireless 11abg Adapter Model : SX-10WAG-IT S/N : 0080920115A7 Power : DC 3.3V (AC 120V/60Hz) Mode : 11b, Tx, 2412MHz, 11Mbps(Worst), Ant A Position : Module: H: X-axis, V: X-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber Regulation : FCC15.247(d) / RSS-210 A8.5 Test Distance : 3m (1G-10GHz) Date : 02/17/2009 Temperature : 20deg.C. Humidity : 31% Engineer : Takeshi Choda
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20dBc (Fundamental 2412.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac										
0	2412.00	110.4	105.8	27.2	32.2	2.8	0.0	108.2	103.6	-	-	-
2	2400.00	67.9	60.3	27.2	32.2	2.8	0.0	65.7	58.1	Funda-20dB	22.5	25.5

*Hi-Pass Filter was not used for factor 0.0dB of the above table.

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

Radiated Spurious Emission (above 1GHz)

11b, Tx, Ch: Mid

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11b, Tx, 2437MHz, 11Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	4874.00	43.4	44.6	31.7	30.9	4.2	1.1	49.5	50.7	73.9	24.4	23.2
2	7311.00	40.8	42.4	36.1	32.1	4.6	1.0	50.4	52.0	73.9	23.5	21.9
3	9748.00	40.5	40.4	38.5	32.4	5.6	1.3	53.5	53.4	73.9	20.4	20.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	44.1	43.8	38.6	31.0	8.4	0.0	50.6	50.3	73.9	23.3	23.6

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	28.9	29.5	31.7	30.9	4.2	1.1	35.0	35.6	53.9	18.9	18.3
2	7311.00	28.7	29.5	36.1	32.1	4.6	1.0	38.3	39.1	53.9	15.6	14.8
3	9748.00	28.4	27.9	38.5	32.4	5.6	1.3	41.4	40.9	53.9	12.5	13.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	31.7	31.7	38.6	31.0	8.4	0.0	38.2	38.2	53.9	15.7	15.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11b, Tx, Ch: High

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11b, Tx, 2462MHz, 11Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	56.9	50.7	27.3	32.1	2.8	0.0	54.9	48.7	73.9	19.0	25.2
2	4924.00	42.2	43.1	31.7	30.9	4.2	1.1	48.3	49.2	73.9	25.6	24.7
3	7386.00	41.8	42.0	36.2	32.1	4.7	1.0	51.6	51.8	73.9	22.3	22.1
4	9848.00	40.6	42.3	38.5	32.4	5.6	1.3	53.6	55.3	73.9	20.3	18.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	46.2	45.4	38.8	31.0	8.5	0.0	53.0	52.2	73.9	20.9	21.7

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	43.3	36.9	27.3	32.1	2.8	0.0	41.3	34.9	53.9	12.6	19.0
2	4924.00	29.5	29.0	31.7	30.9	4.2	1.1	35.6	35.1	53.9	18.3	18.8
3	7386.00	29.4	30.3	36.2	32.1	4.7	1.0	39.2	40.1	53.9	14.7	13.8
4	9848.00	28.4	30.2	38.5	32.4	5.6	1.3	41.4	43.2	53.9	12.5	10.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24620.00	32.9	33.0	38.8	31.0	8.5	0.0	39.7	39.8	53.9	14.2	14.1

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11g, Tx, Ch: Low

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11g, Tx, 2412MHz, 24Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	70.2	63.8	27.2	32.2	2.8	0.0	68.0	61.6	73.9	5.9	12.3
2 **	2400.00	91.3	84.1	-	-	-	-	-	-	73.9	-	-
3	4824.00	40.7	40.3	31.6	30.9	4.1	1.2	46.7	46.3	73.9	27.2	27.6
4	7236.00	42.3	42.3	36.0	32.0	4.6	1.0	51.9	51.9	73.9	22.0	22.0
5	9648.00	40.9	40.5	38.4	32.4	5.6	1.3	53.8	53.4	73.9	20.1	20.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24120.00	45.0	44.1	38.5	31.0	8.4	0.0	51.4	50.5	73.9	22.5	23.4

** Reference data (Refer to next page(20dBc data sheet))

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	52.1	46.0	27.2	32.2	2.8	0.0	49.9	43.8	53.9	4.0	10.1
2 **	2400.00	65.9	58.5	-	-	-	-	-	-	53.9	-	-
3	4824.00	26.8	27.0	31.6	30.9	4.1	1.2	32.8	33.0	53.9	21.1	20.9
4	7236.00	28.7	28.5	36.0	32.0	4.6	1.0	38.3	38.1	53.9	15.6	15.8
5	9648.00	27.8	27.8	38.4	32.4	5.6	1.3	40.7	40.7	53.9	13.2	13.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24120.00	32.7	32.6	38.5	31.0	8.4	0.0	39.1	39.0	53.9	14.8	14.9

** Reference data (Refer to next page(20dBc data sheet))

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3.0/1.0) = 9.5$ dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11g, Tx, Ch: Low

Company : silex technology, Inc. Equipment : Wireless 11abg Adapter Model : SX-10WAG-IT S/N : 0080920115A7 Power : DC 3.3V (AC 120V/60Hz) Mode : 11g, Tx, 2412MHz, 24Mbps(Worst), Ant A Position : Module: H: X-axis, V: X-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber Regulation : FCC15.247(d) / RSS-210 A8.5 Test Distance : 3m (1G-10GHz) Date : 02/17/2009 Temperature : 20deg.C. Humidity : 31% Engineer : Takeshi Choda
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20dBc (Fundamental 2412.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
0	2412.00	101.8	105.4	27.2	32.2	2.8	0.0	99.6	103.2	-	-	-
2	2400.00	76.0	69.1	27.2	32.2	2.8	0.0	73.8	66.9	Funda-20dB	5.8	16.3

*Hi-Pass Filter was not used for factor 0.0dB of the above table.

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

Radiated Spurious Emission (above 1GHz)

11g, Tx, Ch: Mid

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11g, Tx, 2437MHz, 24Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	40.2	50.4	31.7	30.9	4.2	1.1	46.3	56.5	73.9	27.6	17.4
2	7311.00	41.5	41.6	36.1	32.1	4.6	1.0	51.1	51.2	73.9	22.8	22.7
3	9748.00	40.8	40.7	38.5	32.4	5.6	1.3	53.8	53.7	73.9	20.1	20.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	46.0	45.6	38.6	31.0	8.4	0.0	52.5	52.1	73.9	21.4	21.8

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	27.1	38.8	31.7	30.9	4.2	1.1	33.2	44.9	53.9	20.7	9.0
2	7311.00	28.5	29.4	36.1	32.1	4.6	1.0	38.1	39.0	53.9	15.8	14.9
3	9748.00	27.9	27.8	38.5	32.4	5.6	1.3	40.9	40.8	53.9	13.0	13.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	32.9	33.3	38.6	31.0	8.4	0.0	39.4	39.8	53.9	14.5	14.1

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3.0/1.0) = 9.5$ dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11g, Tx, Ch: High

Company : silex technology, Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC 3.3V (AC 120V/60Hz)
Mode : 11g, Tx, 2462MHz, 24Mbps(Worst), Ant A
Position : Module: H: X-axis, V: X-axis,
Antenna: H: X-axis, V: Y-axis

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m (1G-10GHz) / 1m (above 10GHz)
Date : 02/17/2009
Temperature : 20deg.C.
Humidity : 31%
Engineer : Takeshi Choda

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV] [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m] [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB] [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	2483.50	72.8	68.7	27.3	32.1	2.8	0.0	70.8	66.7	73.9	3.1	7.2
2	4924.00	41.0	39.7	31.7	30.9	4.2	1.1	47.1	45.8	73.9	26.8	28.1
3	7386.00	42.3	42.8	36.2	32.1	4.7	1.0	52.1	52.6	73.9	21.8	21.3
4	9848.00	41.1	40.7	38.5	32.4	5.6	1.3	54.1	53.7	73.9	19.8	20.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	47.7	47.5	40.3	34.8	8.3	0.0	51.9	51.7	73.9	22.0	22.2

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor [dB/m]	GAIN [dB]	LOSS [dB]	Filter [dB]	HOR	VER	AV [dBuV/m]	HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	54.5	5.5	27.3	32.1	2.8	0.0	52.5	3.5	53.9	1.4	50.4
2	4924.00	27.1	27.1	31.7	30.9	4.2	1.1	33.2	33.2	53.9	20.7	20.7
3	7386.00	28.9	29.2	36.2	32.1	4.7	1.0	38.7	39.0	53.9	15.2	14.9
4	9848.00	28.1	28.0	38.5	32.4	5.6	1.3	41.1	41.0	53.9	12.8	12.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24620.00	33.6	33.4	38.8	31.0	8.5	0.0	40.4	40.2	53.9	13.5	13.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11a, Tx, Ch: Low

	UL Japan, Inc.	
Company	silex technology, Inc.	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Equipmen	Wireless 11abg Adapter	Regulation FCC15.247(d) / RSS-210 A8.5
Model	SX-10WAG-IT	Test Distance 3m (1G-10GHz) / 1m (10G-26.5GHz) / 0.5m (above 26.5GHz)
S/N	0080920115A7	Date 02/13/2009 02/16/2009
Power	DC 3.3V (AC 120V/60Hz)	Temperature 21deg.C. 21deg.C.
Mode	11a, Tx, 5745MHz, 24Mbps(Worst), Ant A	Humidity 38% 31%
Position	Module: H: Y-axis, V: Z-axis, Antenna: H: X-axis, V: Y-axis	Engineer Takeshi Choda Hisayoshi Sato (1-18GHz) (1-10GHz, 18-40GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)												
No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit PK	MARGIN	
	[MHz]	HOR	VER					[dBuV]	[dBm]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	3830.00	52.1	49.3	29.4	31.9	3.4	0.0	53.0	50.2	73.9	20.9	23.7
2	5120.00	50.2	52.0	31.6	31.3	3.7	0.0	54.2	56.0	73.9	19.7	17.9
3	5725.00	56.2	60.4	32.1	31.2	4.0	0.0	61.1	65.3	73.9	12.8	8.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	11490.00	55.1	53.4	39.8	30.9	5.7	1.2	61.4	59.7	73.9	12.5	14.2
5	17235.00	49.3	52.0	42.4	30.0	7.1	1.2	60.5	63.2	73.9	13.4	10.7
6	22980.00	41.7	41.7	40.8	29.3	7.7	0.0	51.4	51.4	73.9	22.5	22.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
7	28725.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	34470.00	34.4	34.5	43.4	25.8	16.5	-	52.9	53.0	73.9	21.0	20.9

AV DETECT (RBW: 1MHz, VBW: 10Hz)												
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	3830.00	46.5	45.4	29.4	31.9	3.4	0.0	47.4	46.3	53.9	6.5	7.6
2	5120.00	40.6	42.5	31.6	31.3	3.7	0.0	44.6	46.5	53.9	9.3	7.4
3	5725.00	43.3	45.0	32.1	31.2	4.0	0.0	48.2	49.9	53.9	5.7	4.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	11490.00	42.7	42.1	39.8	30.9	5.7	1.2	49.0	48.4	53.9	4.9	5.5
5	17235.00	36.6	37.4	42.4	30.0	7.1	1.2	47.8	48.6	53.9	6.1	5.3
6	22980.00	32.6	32.3	40.8	29.3	7.7	0.0	42.3	42.0	53.9	11.6	11.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
7	28725.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	34470.00	25.3	25.2	43.4	25.8	16.5	0.0	43.8	43.7	53.9	10.1	10.2

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11a, Tx, Ch: Mid

	UL Japan, Inc.	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Company	silex technology, Inc.	Regulation FCC15.247(d) / RSS-210 A8.5
Equipmen	Wireless 11abg Adapter	Test Distance 3m (1G-10GHz) / 1m (10G-26.5GHz) / 0.5m (above 26.5GHz)
Model	SX-10WAG-IT	Date 02/13/2009 02/16/2009
S/N	0080920115A7	Temperature 21deg.C. 21deg.C.
Power	DC 3.3V (AC 120V/60Hz)	Humidity 38% 31%
Mode	11a, Tx, 5785MHz, 24Mbps(Worst), Ant A	Engineer Takeshi Choda Hisayoshi Sato
Position	Module: H: Y-axis, V: Z-axis, Antenna: H: X-axis, V: Y-axis	(1-18GHz) (1-10GHz, 18-40GHz)

PK DETECT												(RBW: 1MHz, VBW: 1MHz)			
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass 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 + Filter Loss															
1	3856.75	51.3	49.5	29.4	31.8	3.3	0.0	52.2	50.4	73.9	21.7	23.5			
2	5119.83	51.7	52.6	31.7	31.3	3.7	0.0	55.8	56.7	73.9	18.1	17.2			
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)															
3	11570.00	58.8	56.2	39.7	30.8	5.7	1.3	65.2	62.6	73.9	8.7	11.3			
4	17355.00	53.8	52.7	43.5	30.0	7.2	1.2	66.2	65.1	73.9	7.7	8.8			
5	23140.00	41.5	41.7	40.7	29.2	7.7	0.0	51.2	51.4	73.9	22.7	22.5			
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)															
6	28925.00	NS	NS	-	-	-	-	-	-	73.9	-	-			
7	34710.00	34.6	34.4	43.3	25.7	16.5	0.0	53.1	52.9	73.9	20.8	21.0			

AV DETECT (RBW: 1MHz, VBW: 10Hz)												
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
[dBuV]												
[dB]												
[dBuV/m]												
[dB]												
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	3856.75	48.4	45.6	29.4	31.8	3.3	0.0	49.3	46.5	53.9	4.6	7.4
2	5119.83	42.1	42.8	31.7	31.3	3.7	0.0	46.2	46.9	53.9	7.7	7.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
3	11570.00	45.3	43.9	39.7	30.8	5.7	1.3	51.7	50.3	53.9	2.2	3.6
4	17355.00	39.6	39.2	43.5	30.0	7.2	1.2	52.0	51.6	53.9	1.9	2.3
5	23140.00	32.5	32.2	40.7	29.2	7.7	0.0	42.2	41.9	53.9	11.7	12.0
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
6	28925.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	34710.00	25.9	25.8	43.3	25.7	16.5	0.0	44.4	44.3	53.9	9.5	9.6

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11a, Tx, Ch: High

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, 5825MHz, 24Mbps(Worst), Ant A Position : Module: H: Y-axis, V: Z-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation : FCC15.247(d) / RSS-210 A8.5 Test Distance : 3m (1G-10GHz) / 1m (10G-26.5GHz) / 0.5m (above 26.5GHz) Date : 02/13/2009 02/16/2009 Temperature : 21deg.C. 21deg.C. Humidity : 38% 31% Engineer : Takeshi Choda Hisayoshi Sato (10-18GHz) (1-10GHz, 18-40GHz)
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PK DETECT												
(RBW: 1MHz, VBW: 1MHz)												
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	3883.00	50.9	49.4	29.5	31.8	3.3	0.0	51.9	50.4	73.9	22.0	23.5
2	5120.02	52.1	52.9	31.6	31.3	3.7	0.0	56.1	56.9	73.9	17.8	17.0
3**	5850.00	70.1	63.9	32.3	31.2	4.0	0.0	75.2	69.0	-	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	11650.00	57.9	57.1	39.5	30.8	5.7	1.3	64.1	63.3	73.9	9.8	10.6
5	17475.00	51.5	51.5	44.6	30.1	7.3	1.3	65.1	65.1	73.9	8.8	8.8
6	23300.00	41.4	41.6	40.6	29.2	7.7	0.0	51.0	51.2	73.9	22.9	22.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
7	29125.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	34950.00	35.0	34.6	43.2	25.6	16.5	0.0	53.5	53.1	73.9	20.4	20.8

** Reference data (Refer to next page(20dBc data sheet))

AV DETECT (RBW: 1MHz, VBW: 10Hz)											
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss											
1	3883.00	48.0	45.2	29.5	31.8	3.3	0.0	49.0	46.2	53.9	4.9 7.7
2	5120.02	41.9	43.1	31.6	31.3	3.7	0.0	45.9	47.1	53.9	8.0 6.8
3**	5850.00	49.3	44.9	32.3	31.2	4.0	0.0	54.4	50.0	-	- -
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)											
4	11650.00	45.0	43.4	39.5	30.8	5.7	1.3	51.2	49.6	53.9	2.7 4.3
5	17475.00	38.3	37.9	44.6	30.1	7.3	1.3	51.9	51.5	53.9	2.0 2.4
6	23300.00	32.4	32.0	40.6	29.2	7.7	0.0	42.0	41.6	53.9	11.9 12.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)											
7	29125.00	NS	NS	-	-	-	-	-	-	53.9	- -
8	34950.00	26.2	26.2	43.2	25.6	16.5	0.0	44.7	44.7	53.9	9.2 9.2

** Reference data (Refer to next page(20dBc data sheet))

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

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

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

11a, Tx, Ch: High

Company : silex technology, Inc. Equipmen : Wireless 11abg Adapter Model : SX-10WAG-IT S/N : 0080920115A7 Power : DC 3.3V (AC 120V/60Hz) Mode : 11a, Tx, 5825MHz, 24Mbps(Worst), Ant A Position : Module: H: Y-axis, V: Z-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation : FCC15.247(d) / RSS-210 A8.5 Test Distance : 3m (1G-10GHz) Date : 02/16/2009 Temperature : 21deg.C. Humidity : 31% Engineer : Hisayoshi Sato
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20dBc (Fundamental 5825.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit 20dBc	MARGIN		
	[MHz]	HOR	VER					[dBm]	[dB]		[dB]	[dB]	HOR
		[dBuV]											
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
0	5825.00	99.7	97.4	32.3	31.2	4.0	0.0	104.8	102.5	-	-	-	
3	5850.00	54.3	53.1	32.3	31.2	4.0	0.0	59.4	58.2	Funda-20dB	25.4	24.3	

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

Radiated Spurious Emission (above 1GHz)

11b, Rx, Ch: Mid

Company Equipmen Model S/N Power Mode Position	silex technology, Inc. Wireless 11abg Adapter SX-10WAG-IT 0080920115A7 DC 3.3V (AC 120V/60Hz) 11b, Rx, 2437MHz Module: H: X-axis, V: X-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber Regulation FCC 15.247(d) / RSS-Gen 7.2.1 and 7.2.3 Test Distance 3m Date 02/17/2009 Temperature 21deg.C. Humidity 32% Engineer Norihisa Hashimoto
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PK DETECT (RBW: 1MHz, VBW: 1MHz)											
No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	RESULT		Limit PK	MARGIN	
		HOR	VER				HOR	VER		HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	1499.71	46.4	48.7	25.6	33.6	2.3	40.7	43.0	73.9	33.2	30.9
2	2437.00	43.3	44.7	27.2	32.2	2.8	41.1	42.5	73.9	32.8	31.4
3	7311.00	42.8	43.6	36.1	32.1	4.8	51.6	52.4	73.9	22.3	21.5

AV DETECT (RBW: 1MHz, VBW: 10Hz)											
No.	FREQ	S/A READING		ANT	AMP	CABLE	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	1499.71	36.1	41.8	25.6	33.6	2.3	30.4	36.1	53.9	23.5	17.8
2	2437.00	30.5	30.5	27.2	32.2	2.8	28.3	28.3	53.9	25.6	25.6
3	7311.00	30.7	30.8	36.1	32.1	4.8	39.5	39.6	53.9	14.4	14.4

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz)

11g, Rx, Ch: Mid

Company Equipmen Model S/N Power Mode Position	silex technology, Inc. Wireless 11abg Adapter SX-10WAG-IT 0080920115A7 DC 3.3V (AC 120V/60Hz) 11g, Rx, 2437MHz Module: H: X-axis, V: X-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber Regulation FCC 15.247(d) / RSS-Gen 7.2.1 and 7.2.3 Test Distance 3m Date 02/17/2009 Temperature 21deg.C. Humidity 32% Engineer Norihisa Hashimoto
--	---	---

PK DETECT (RBW: 1MHz, VBW: 1MHz)											
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	1500.02	48.0	48.4	25.7	33.6	2.3	42.4	42.8	73.9	31.5	31.1
2	2437.00	43.6	43.4	27.2	32.2	2.8	41.4	41.2	73.9	32.5	32.7
3	7311.00	43.8	43.6	36.1	32.1	4.2	52.1	51.9	73.9	21.9	22.1

AV DETECT (RBW: 1MHz, VBW: 10Hz)											
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss									
1	1500.02	40.1	41.1	25.7	33.6	2.3	34.5	35.5	53.9	19.4	18.4
2	2437.00	30.5	30.5	27.2	32.2	2.8	28.3	28.3	53.9	25.6	25.6
3	7311.00	30.8	30.8	36.1	32.1	4.2	39.1	39.1	53.9	14.9	14.9

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz)

11a, Rx, Ch: Mid

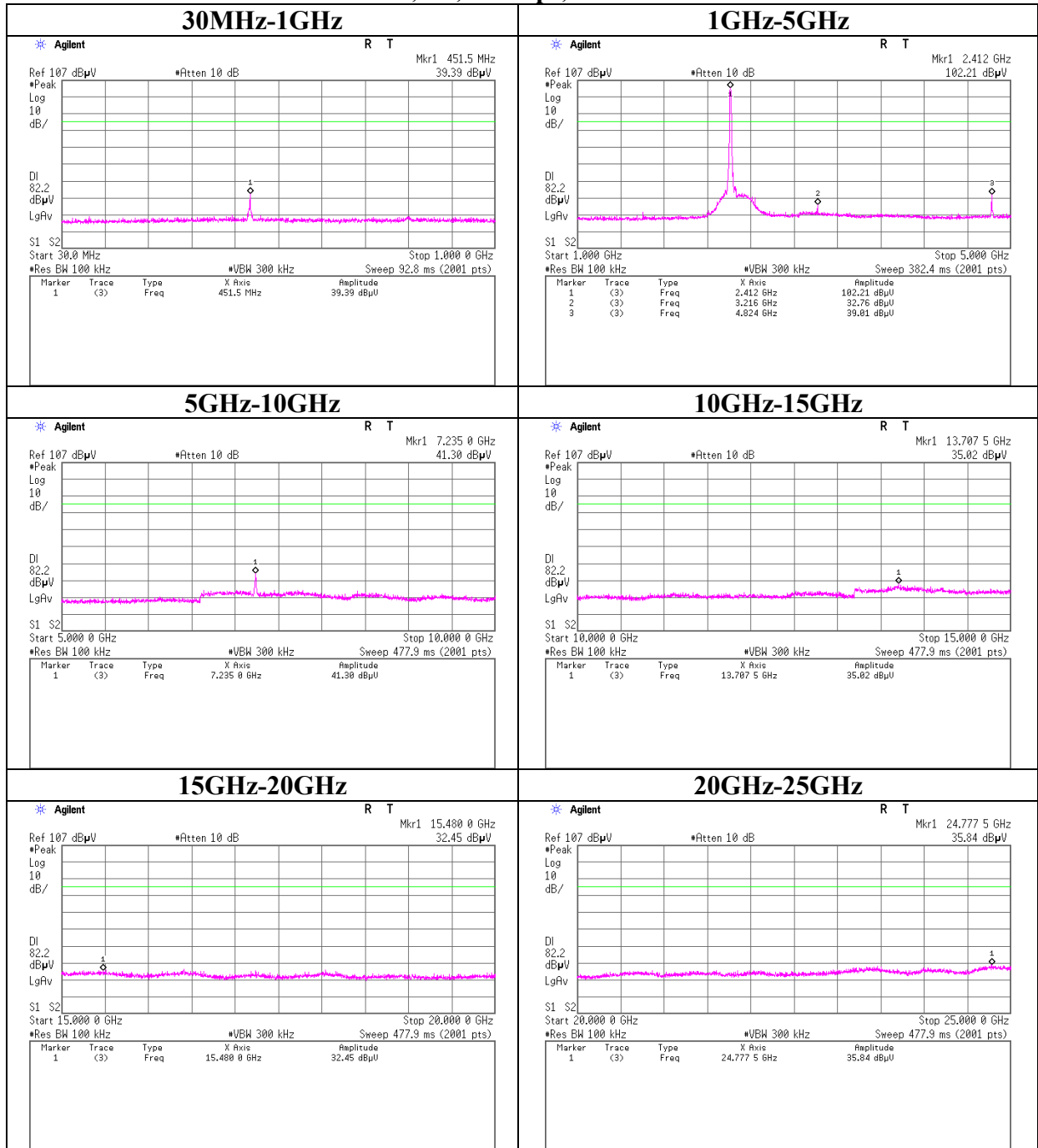
Company : silex technology, Inc. Equipmen : Wireless 11abg Adapter Model : SX-10WAG-IT S/N : 0080920115A7 Power : DC 3.3V (AC 120V/60Hz) Mode : 11a, Rx, 5785MHz Position : Module: H: Y-axis, V: Z-axis, Antenna: H: X-axis, V: Y-axis	UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber Regulation : FCC 15.247(d) / RSS-Gen 7.2.1 and 7.2.3 Test Distance : 3m (1G-10GHz) / 1m (10G-18GHz) Date : 02/17/2009 Temperature : 21deg.C. Humidity : 32% Engineer : Norihisa Hashimoto
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PK DETECT (RBW: 1MHz, VBW: 1MHz)											
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER				HOR	VER		HOR	VER
		[dBuV]					[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	1000.14	52.5	50.3	24.2	34.6	1.9	44.0	41.8	73.9	29.9	32.1
2	5785.00	42.5	41.9	32.7	31.1	4.2	48.3	47.7	73.9	25.6	26.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss - Dfac											
3	17355.00	45.5	44.9	41.8	31.6	6.8	53.0	52.4	73.9	20.9	21.5

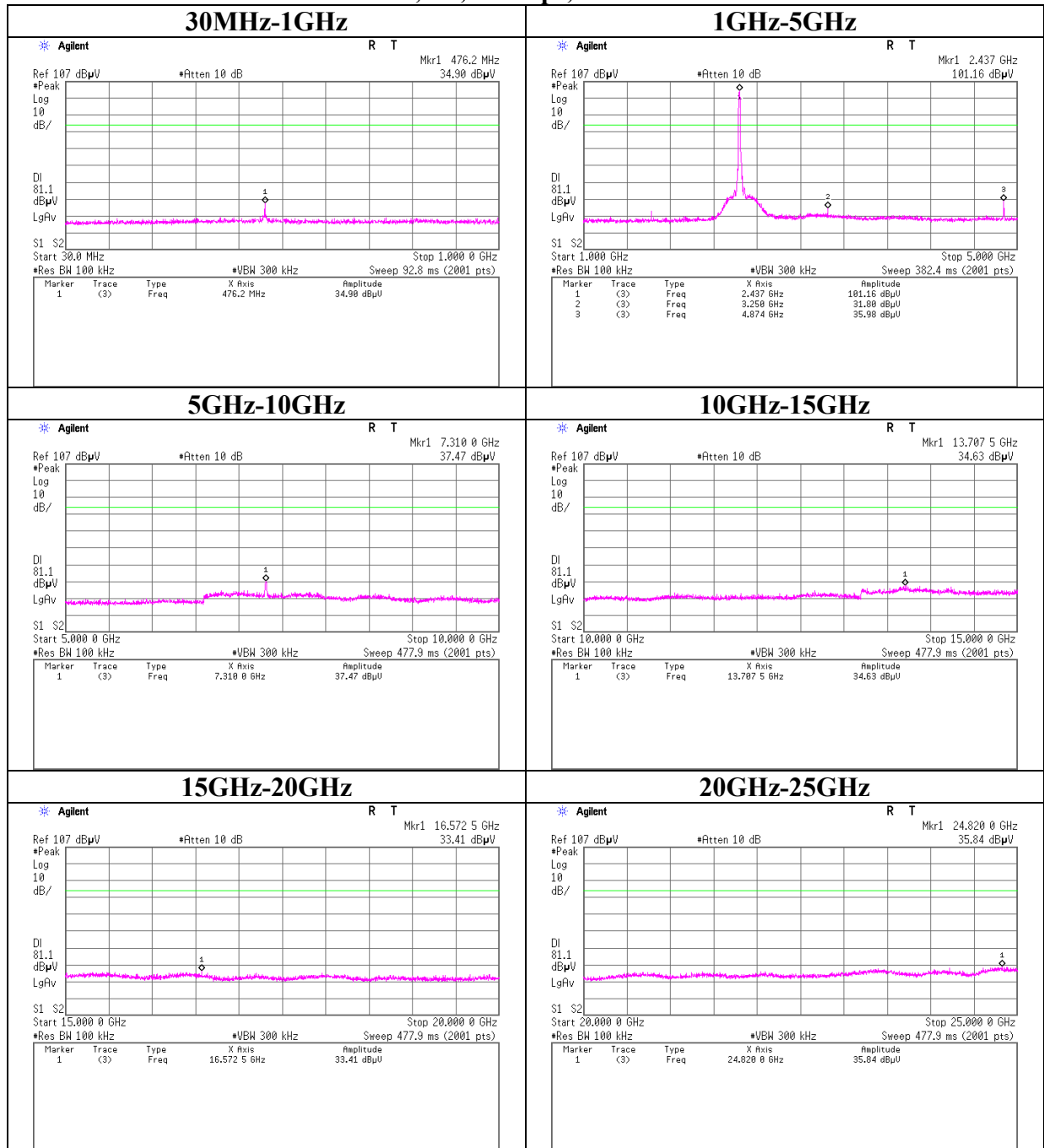
AV DETECT (RBW: 1MHz, VBW: 10Hz)											
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	1000.14	46.7	43.9	24.2	34.6	1.9	38.2	35.4	53.9	15.7	18.5
2	5785.00	29.1	29.2	32.7	31.1	4.2	34.9	35.0	53.9	19.0	18.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss - Dfac											
3	17355.00	32.0	32.0	41.8	31.6	6.8	39.5	39.5	53.9	14.4	14.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

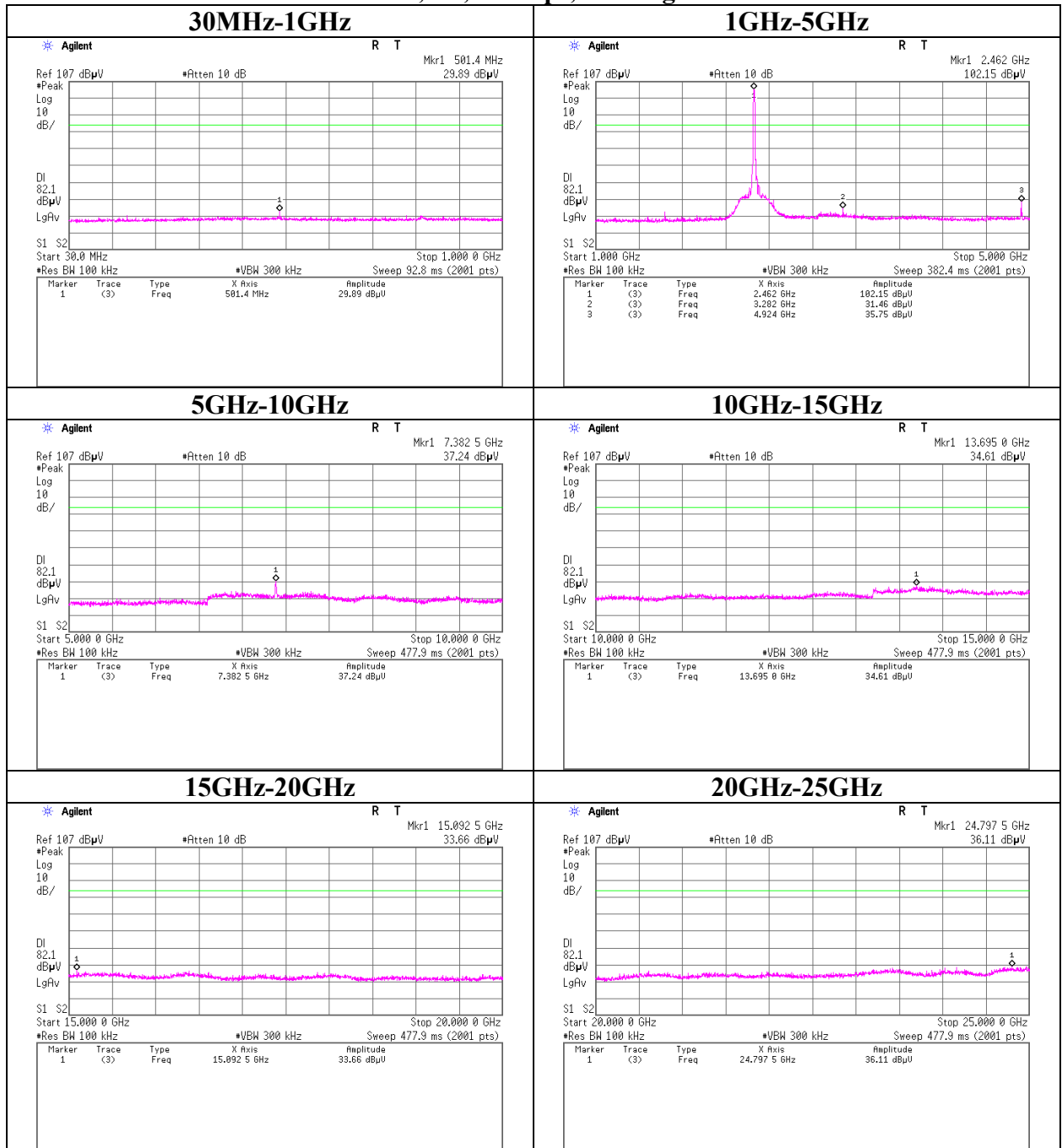
Conducted Spurious Emission
11b, Tx, 11Mbps, Ch: Low



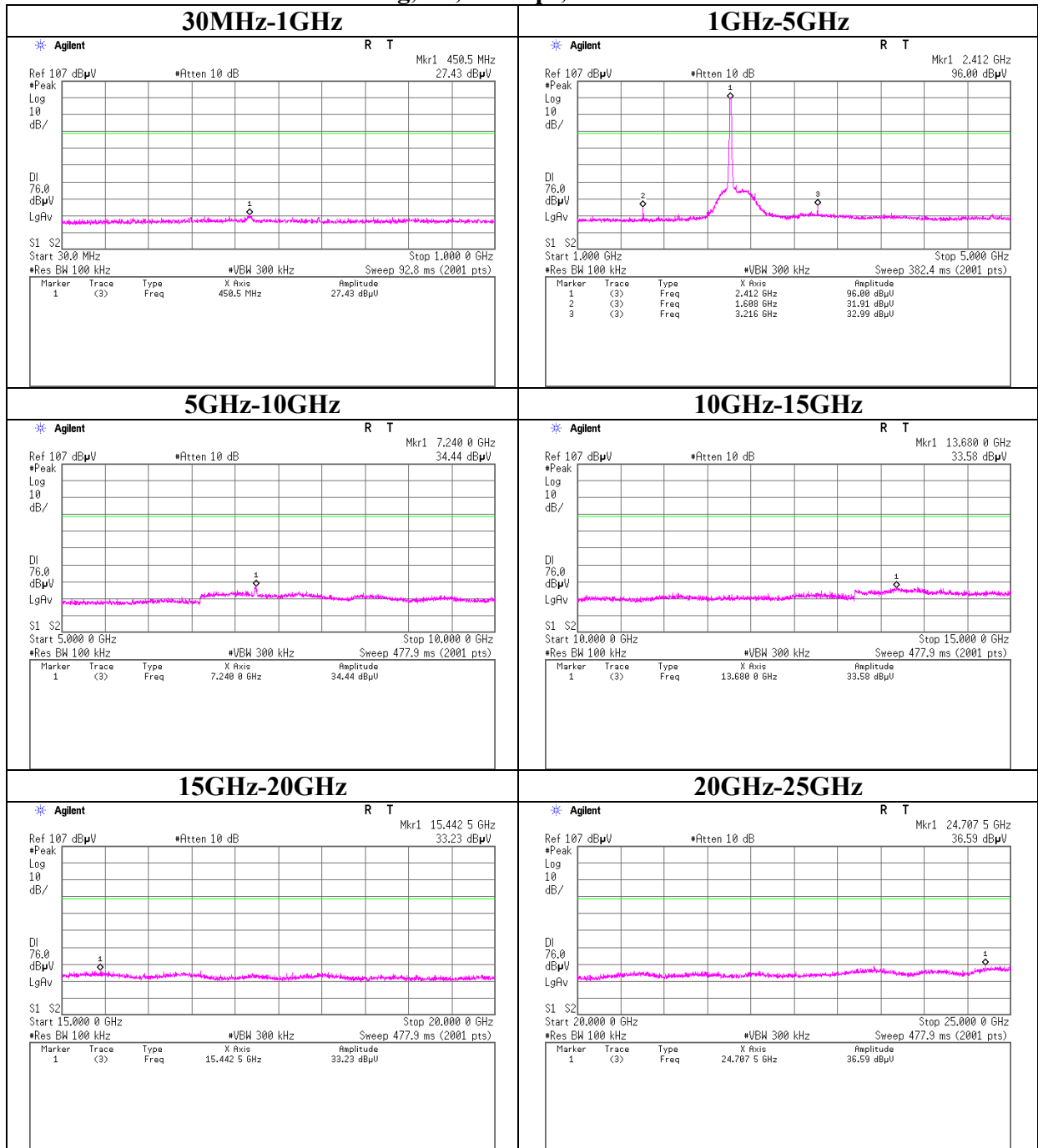
Conducted Spurious Emission
11b, Tx, 11Mbps, Ch: Mid



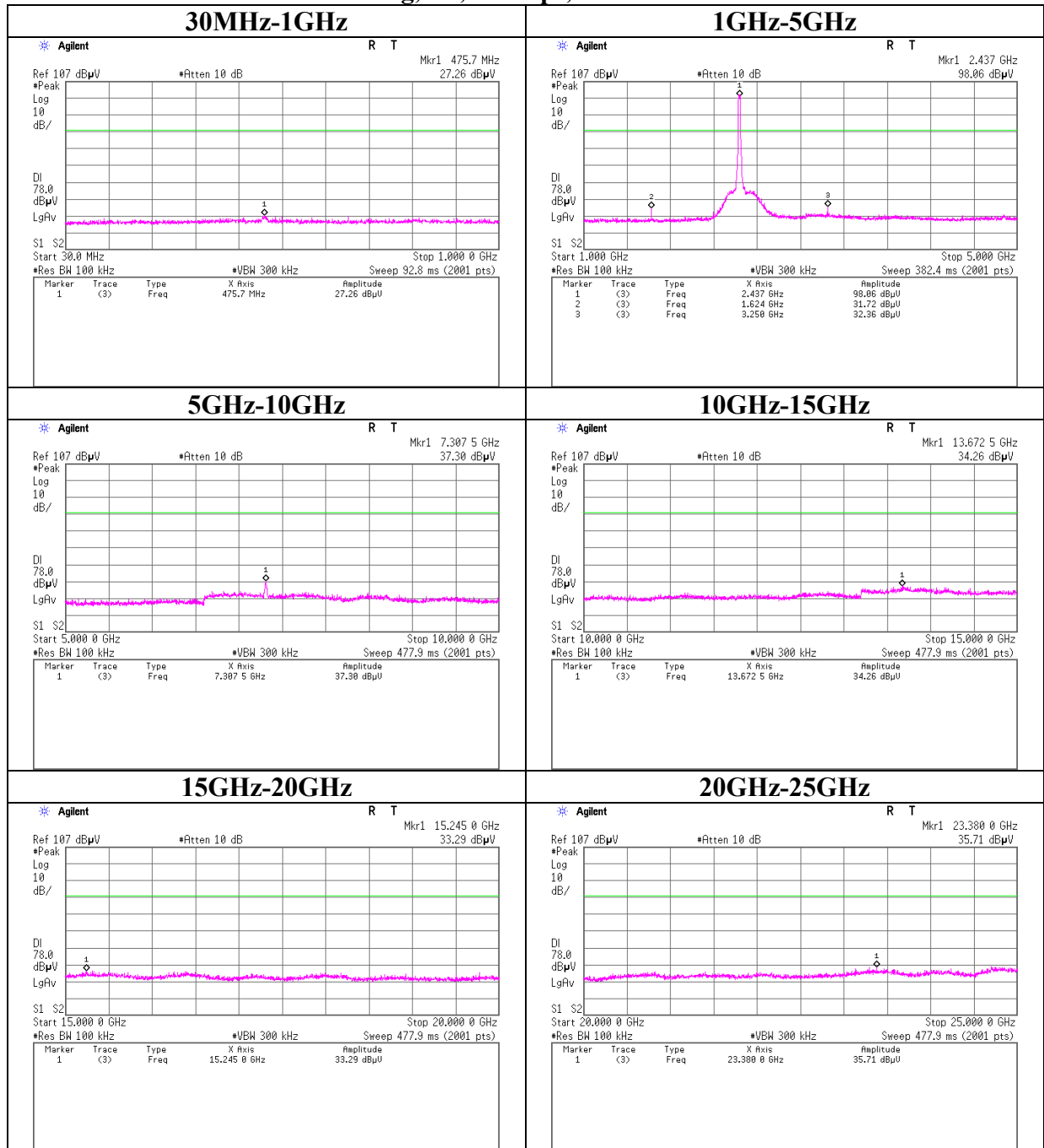
Conducted Spurious Emission
11b, Tx, 11Mbps, Ch: High



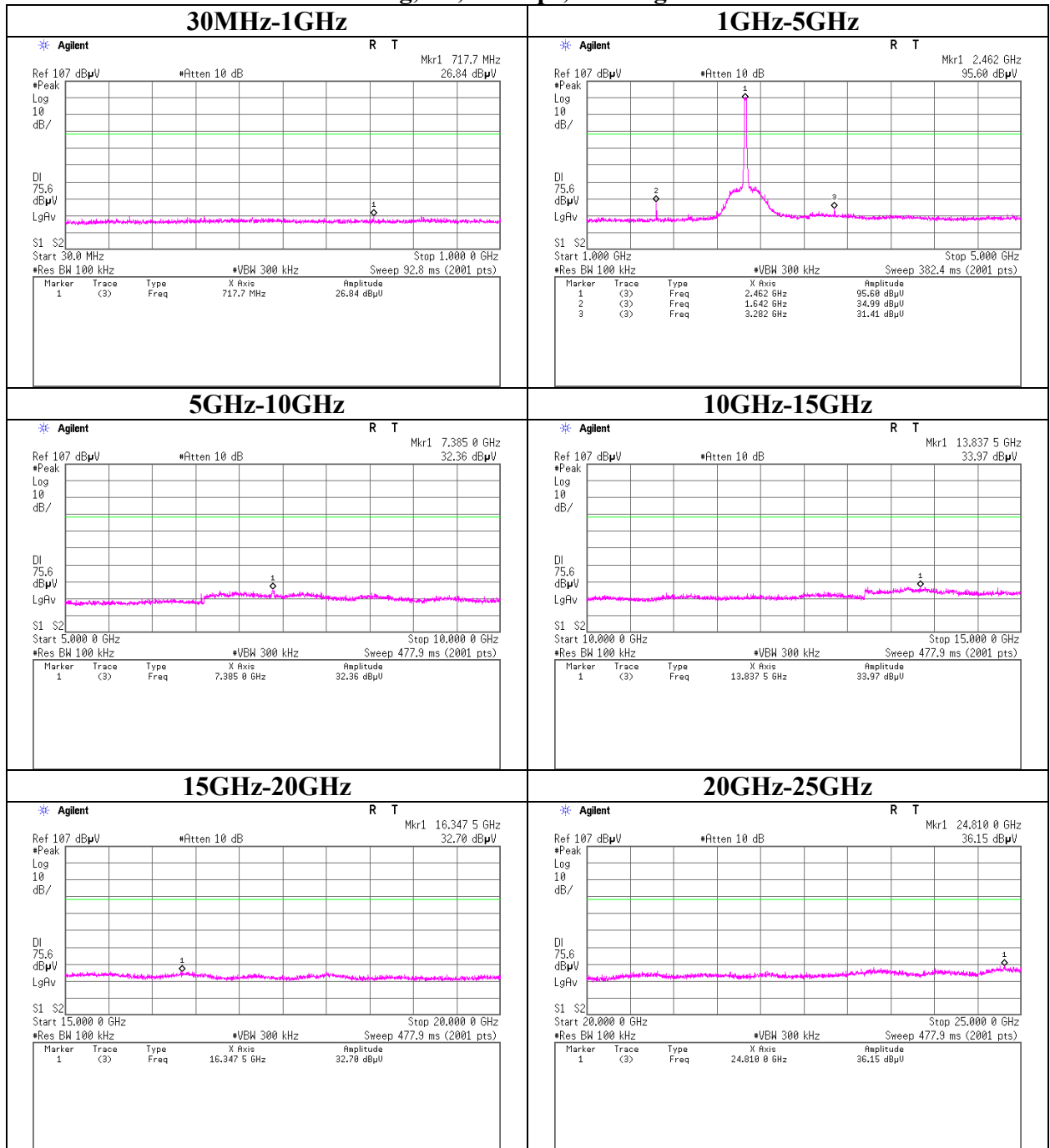
Conducted Spurious Emission
11g, Tx, 24Mbps, Ch: Low



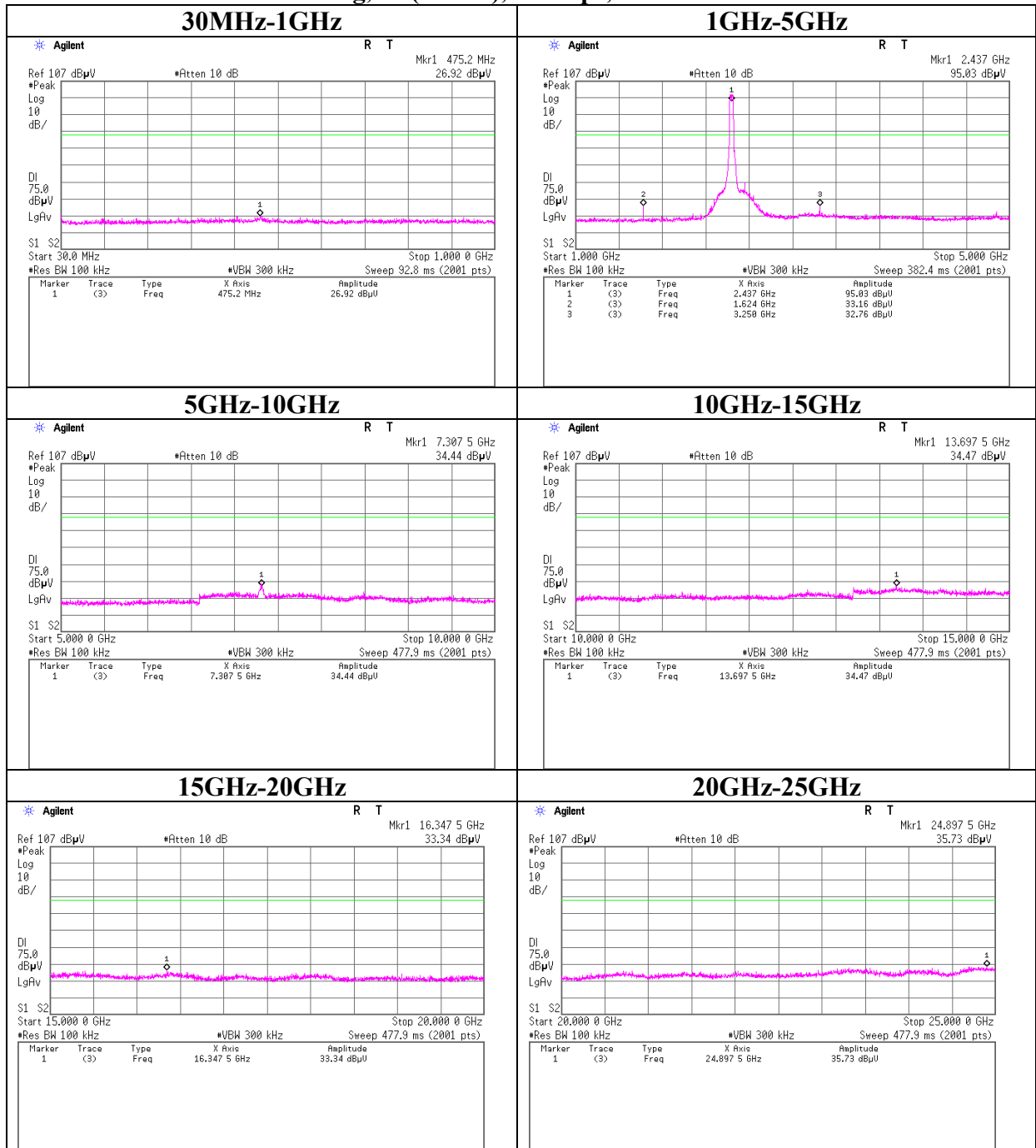
Conducted Spurious Emission
11g, Tx, 24Mbps, Ch: Mid



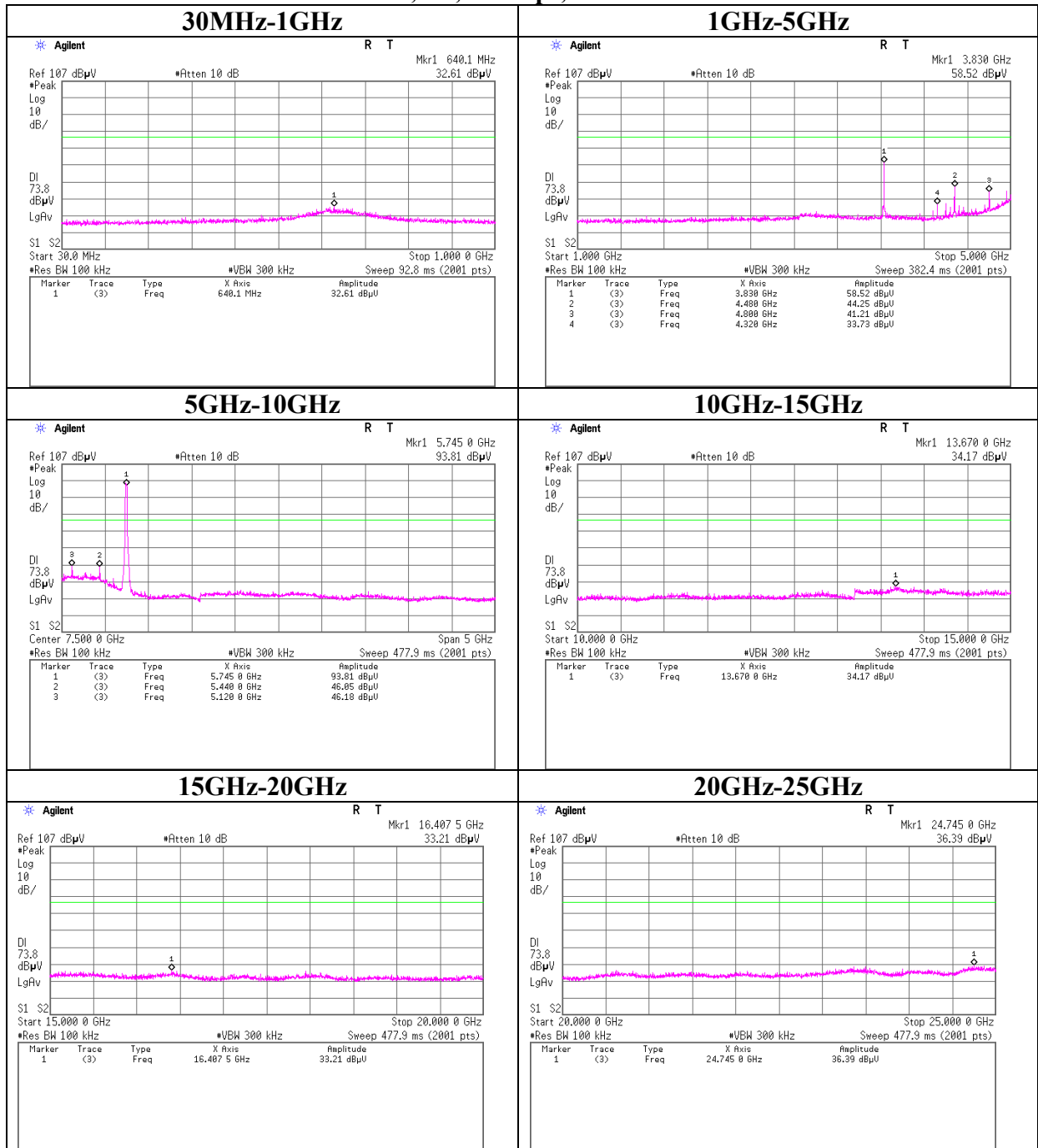
Conducted Spurious Emission
11g, Tx, 24Mbps, Ch: High



Conducted Spurious Emission
11g, Tx(Turbo), 48Mbps, Ch: Mid

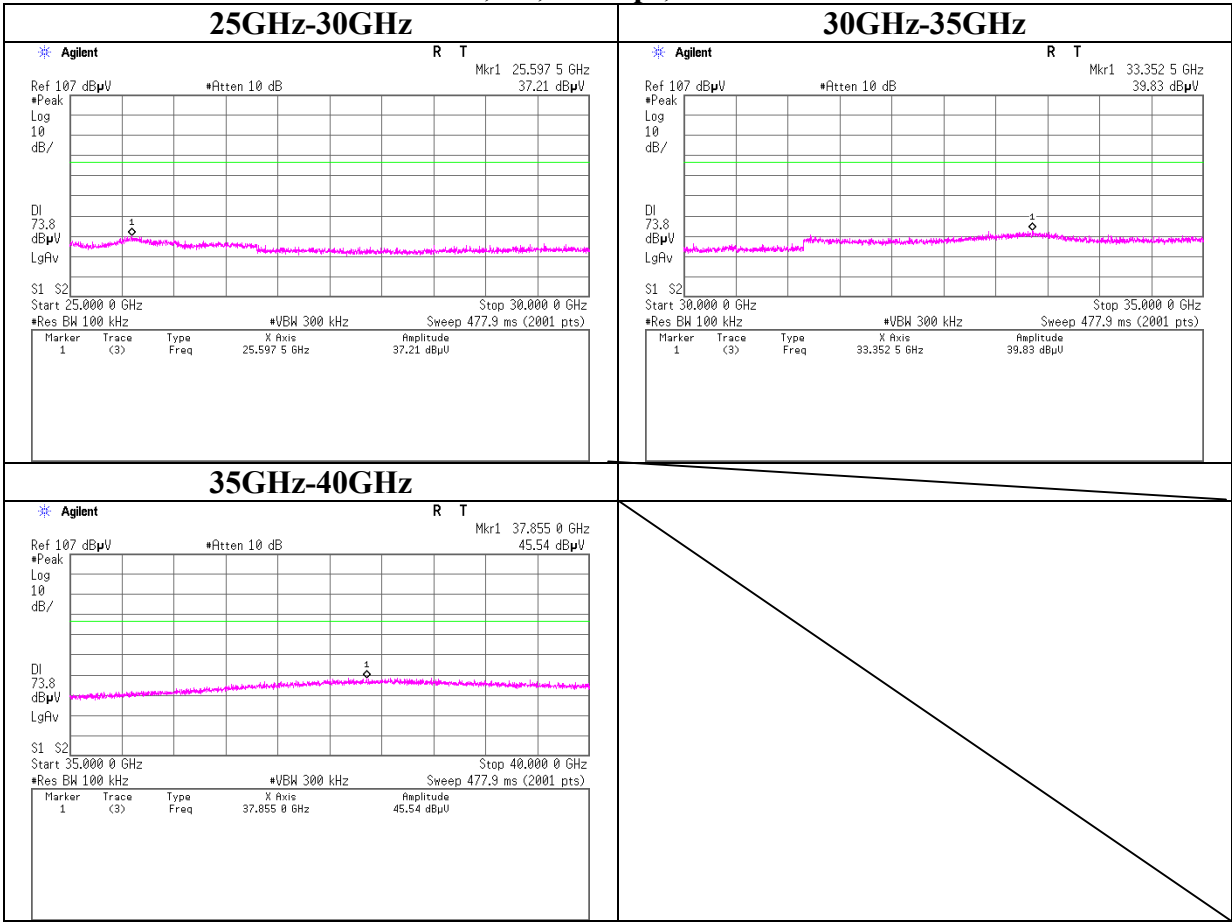


Conducted Spurious Emission
11a, Tx, 24Mbps, Ch: Low

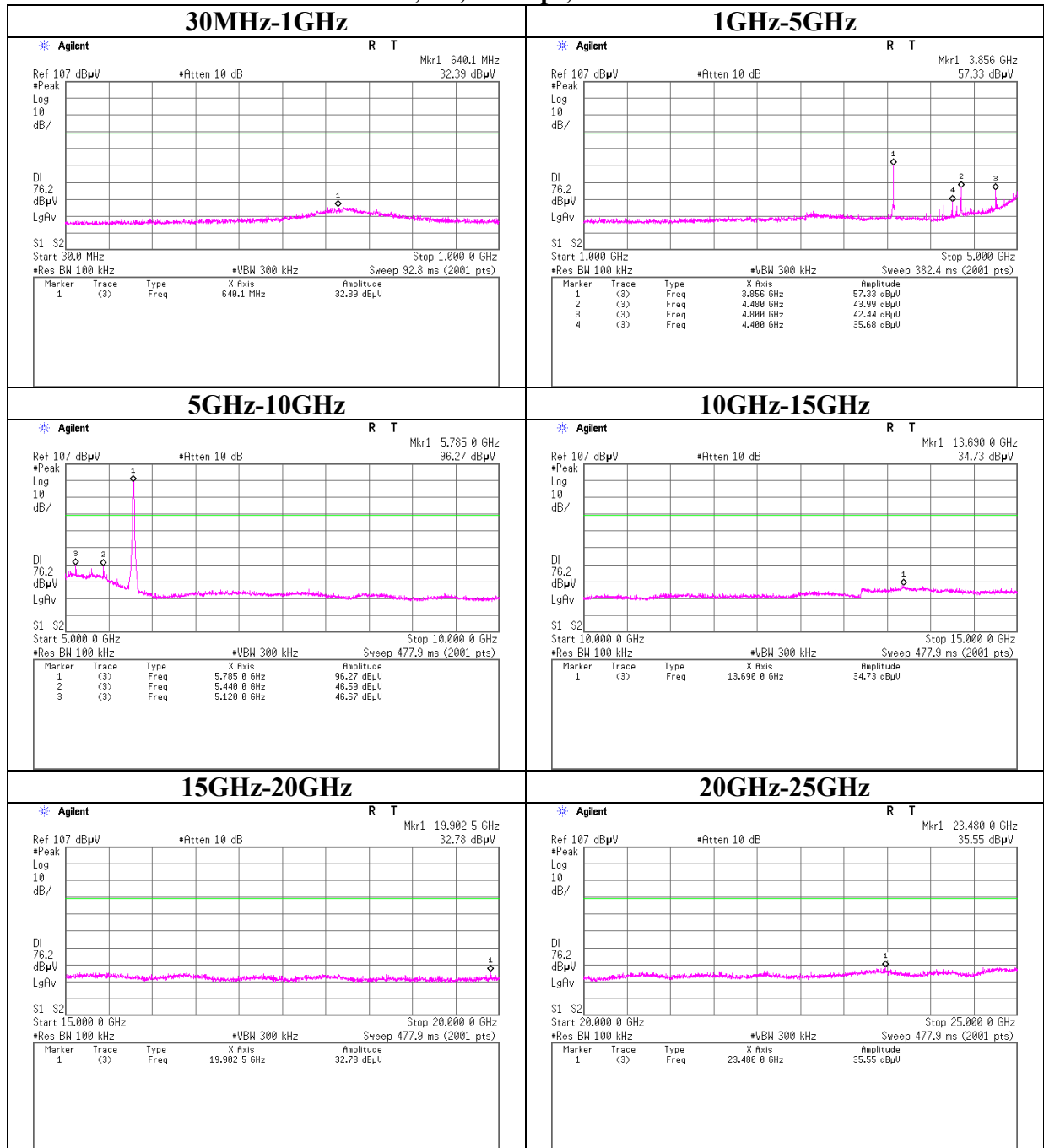


Conducted Spurious Emission

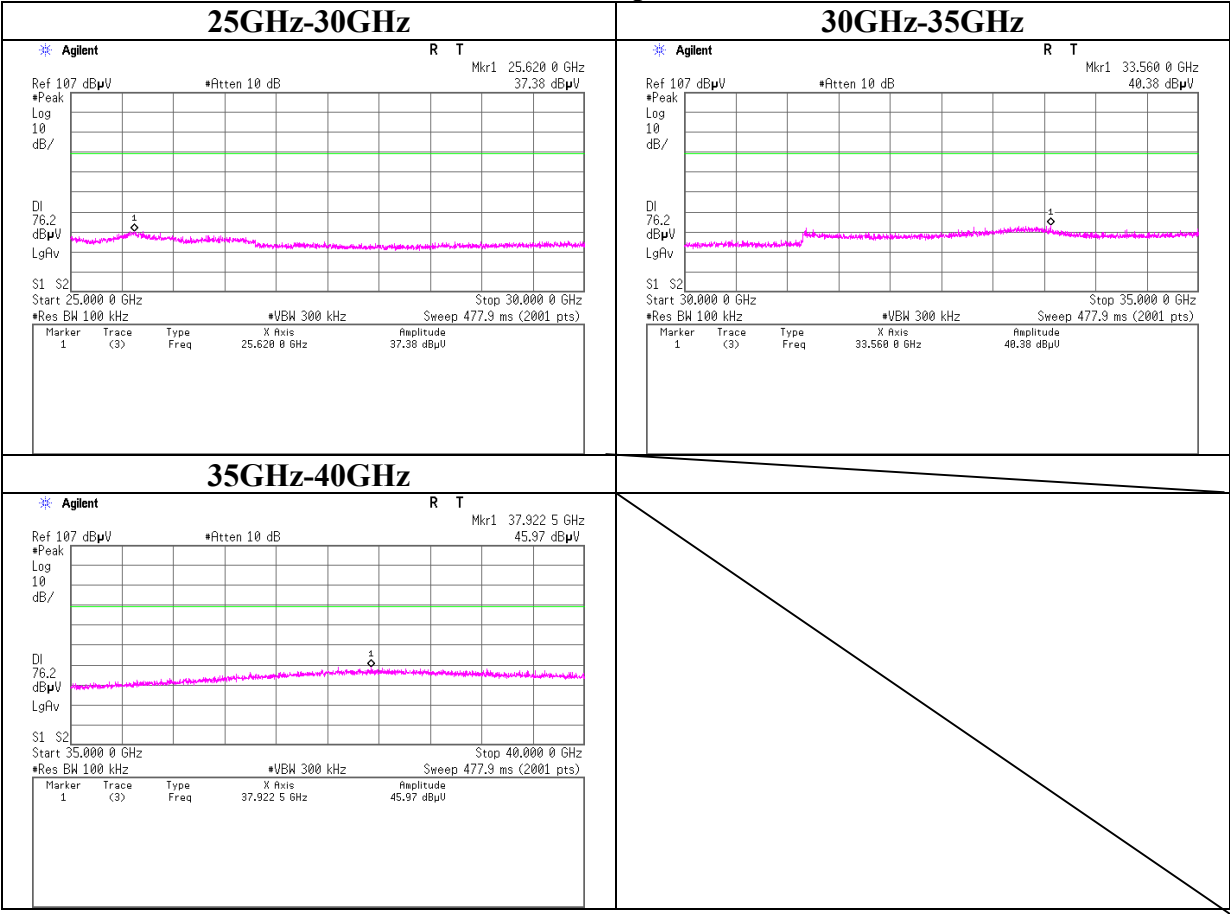
11a, Tx, 24Mbps, Ch: Low



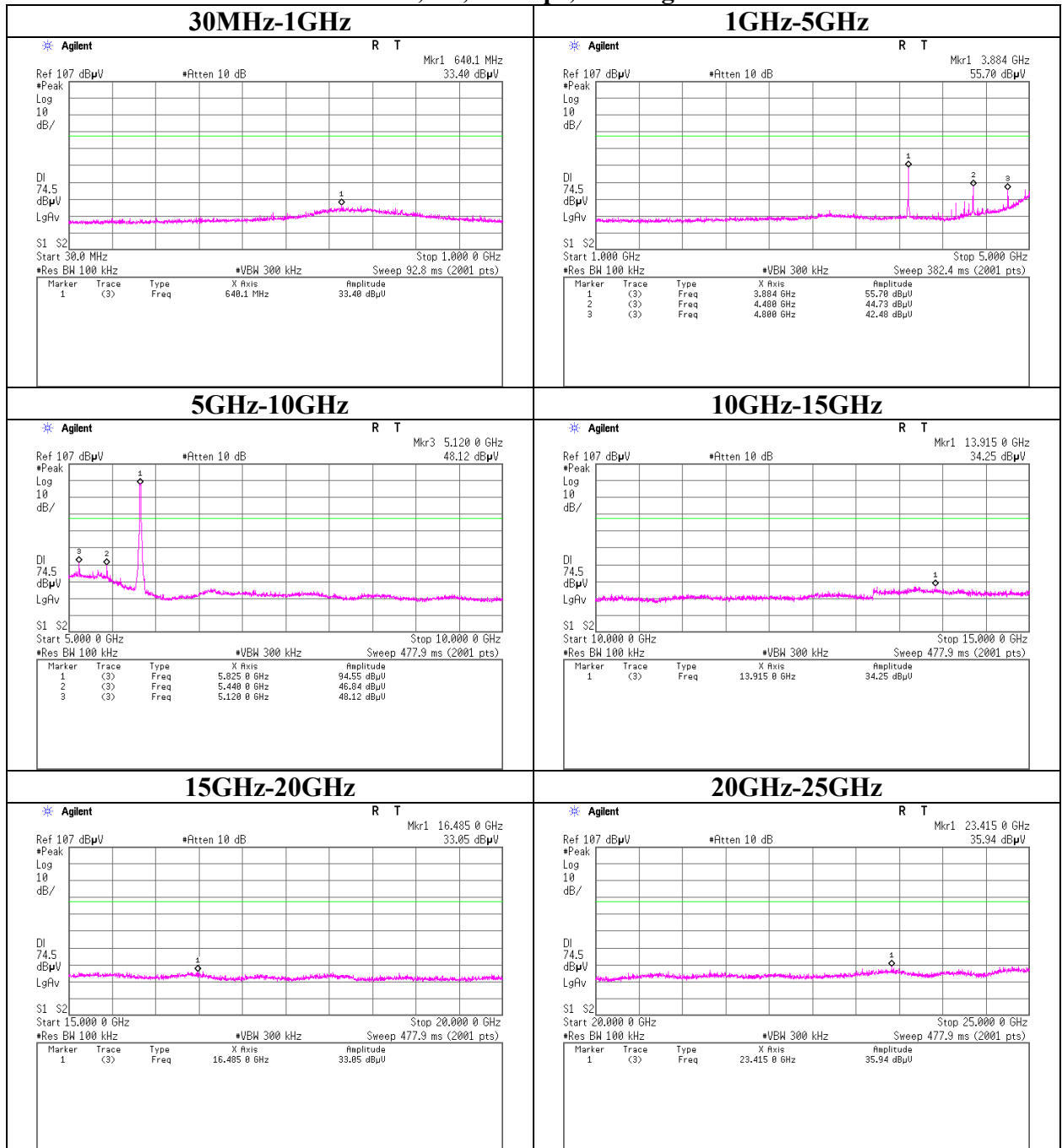
Conducted Spurious Emission
11a, Tx, 24Mbps, Ch: Mid



Conducted Spurious Emission
11a, Tx, 24Mbps, Ch: Mid

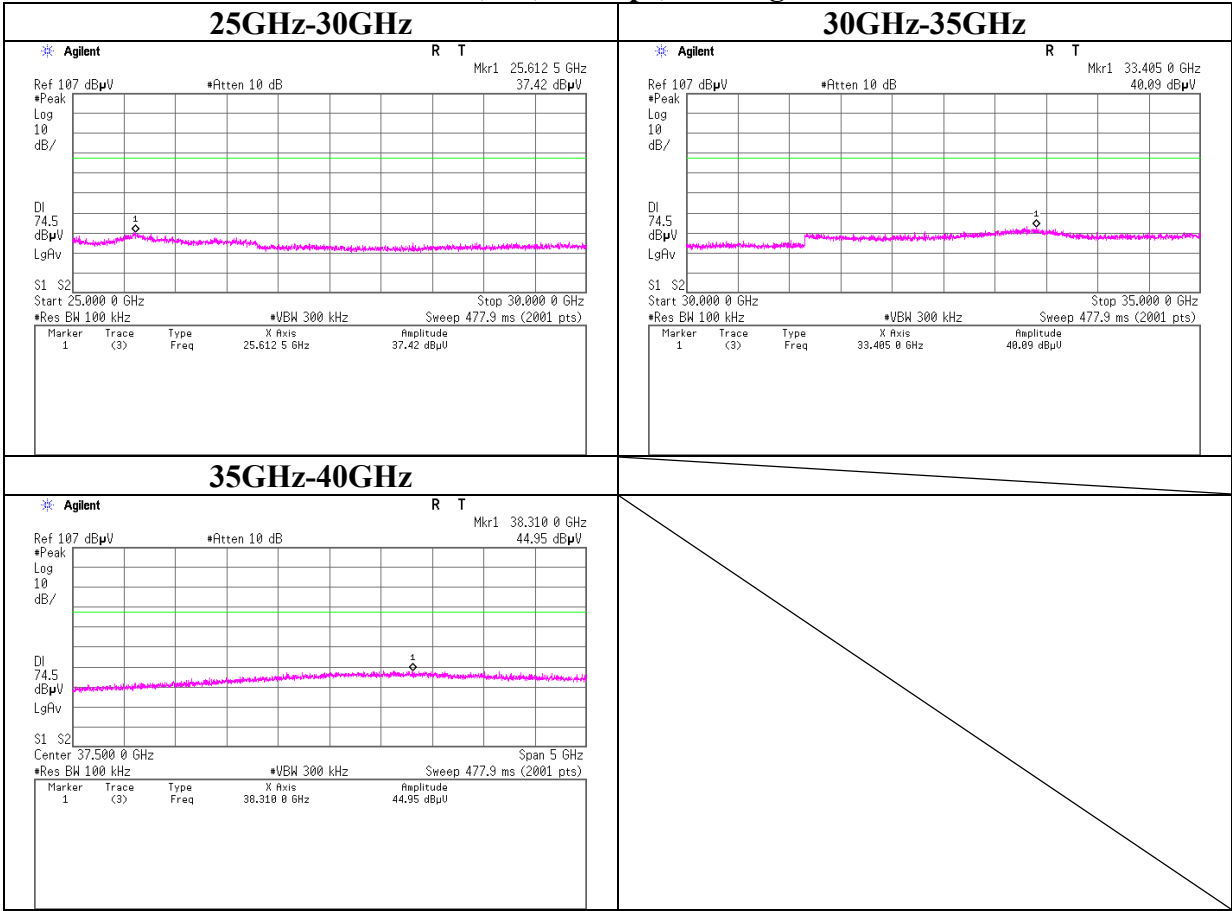


Conducted Spurious Emission
11a, Tx, 24Mbps, Ch: High



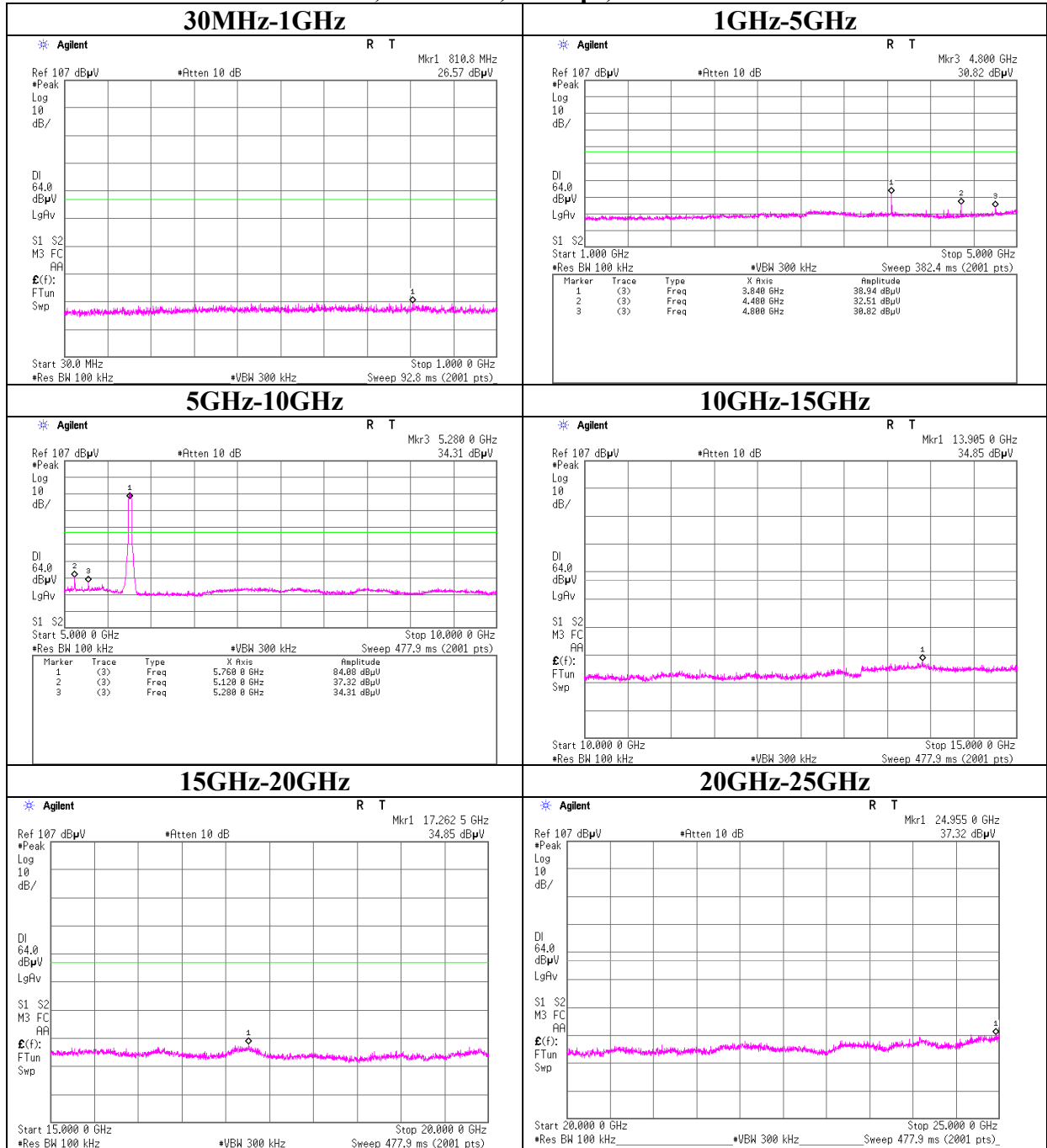
Conducted Spurious Emission

11a, Tx, 24Mbps, Ch: High



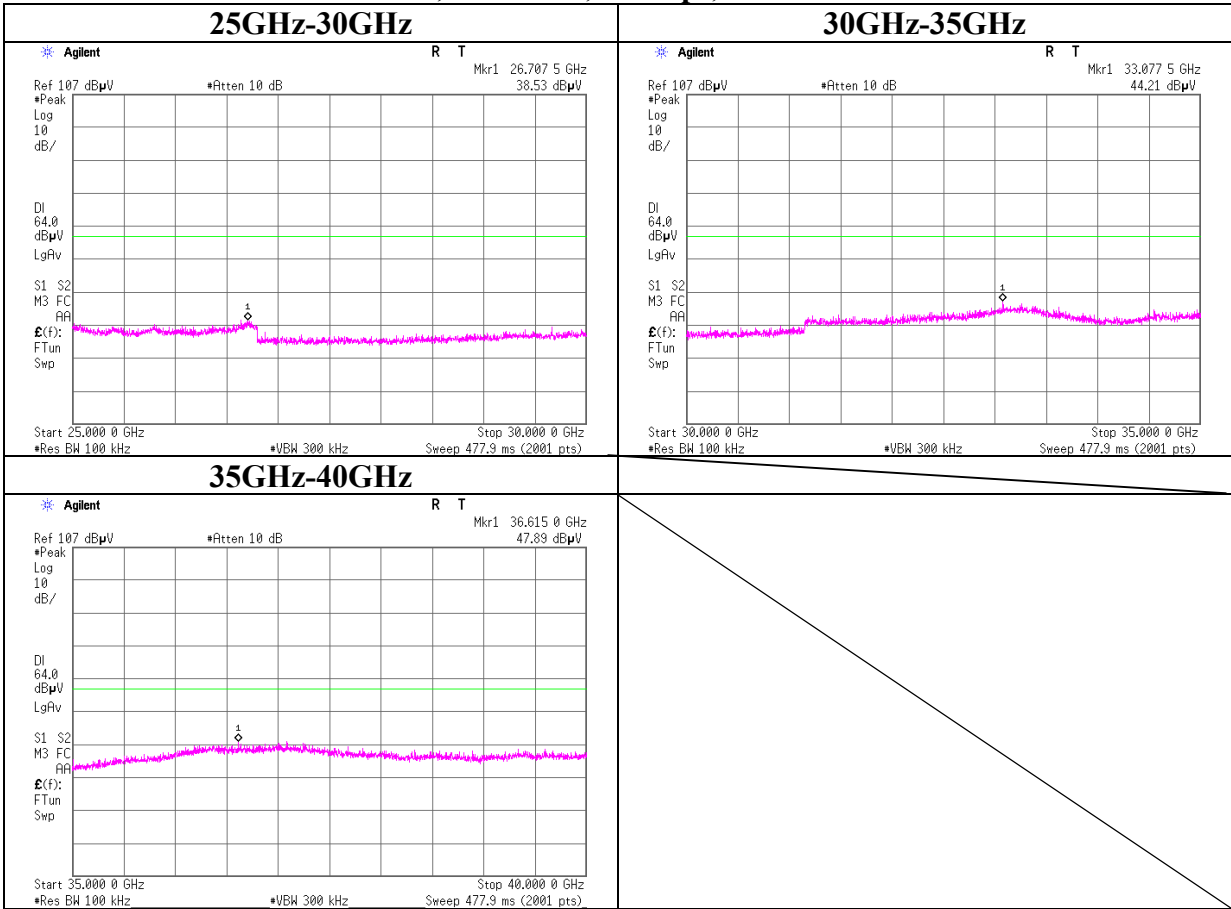
Conducted Spurious Emission

11a, Tx Turbo, 48Mbps, Ch: Low

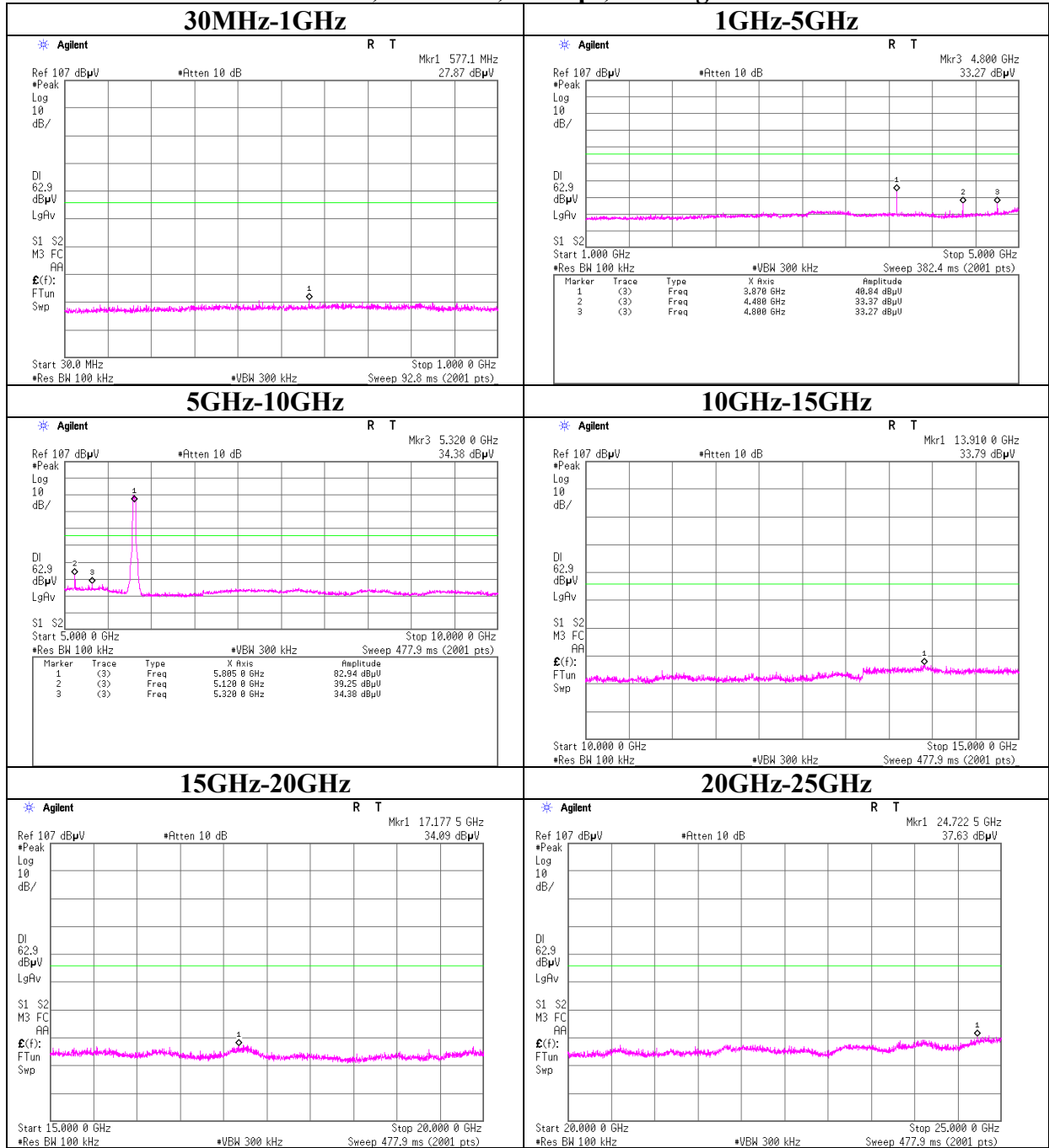


Conducted Spurious Emission

11a, Tx Turbo, 48Mbps, Ch: Low

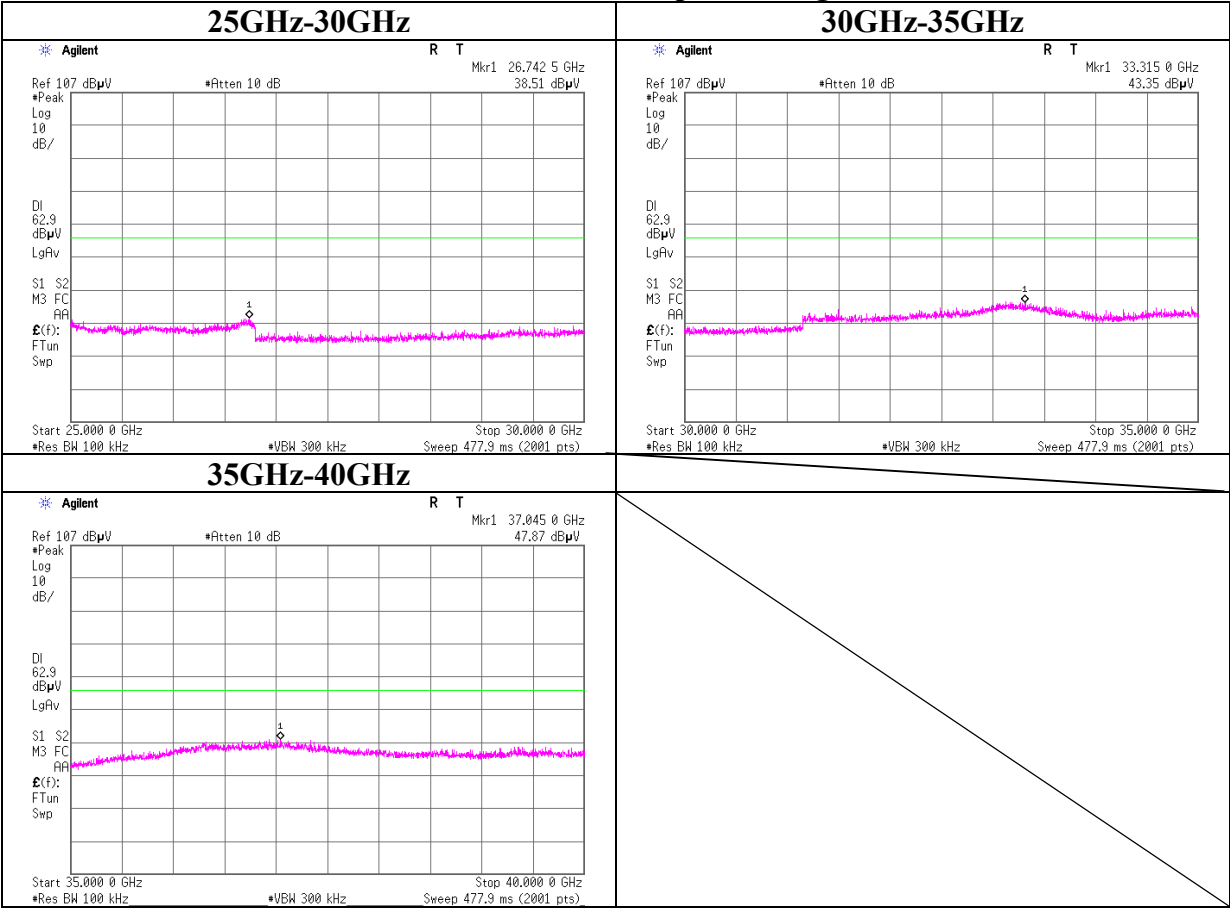


Conducted Spurious Emission 11a, Tx Turbo, 48Mbps, Ch: High

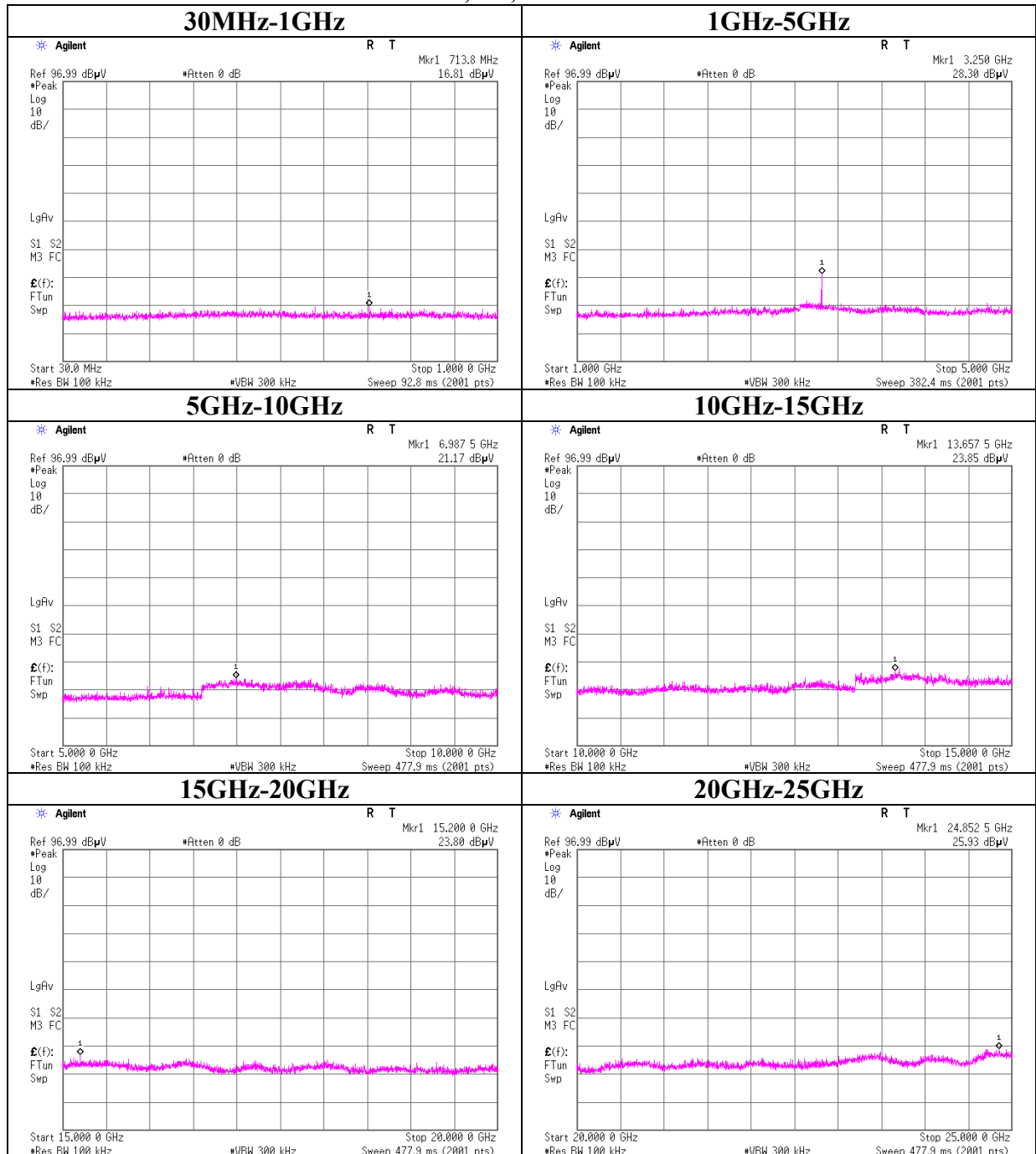


Conducted Spurious Emission

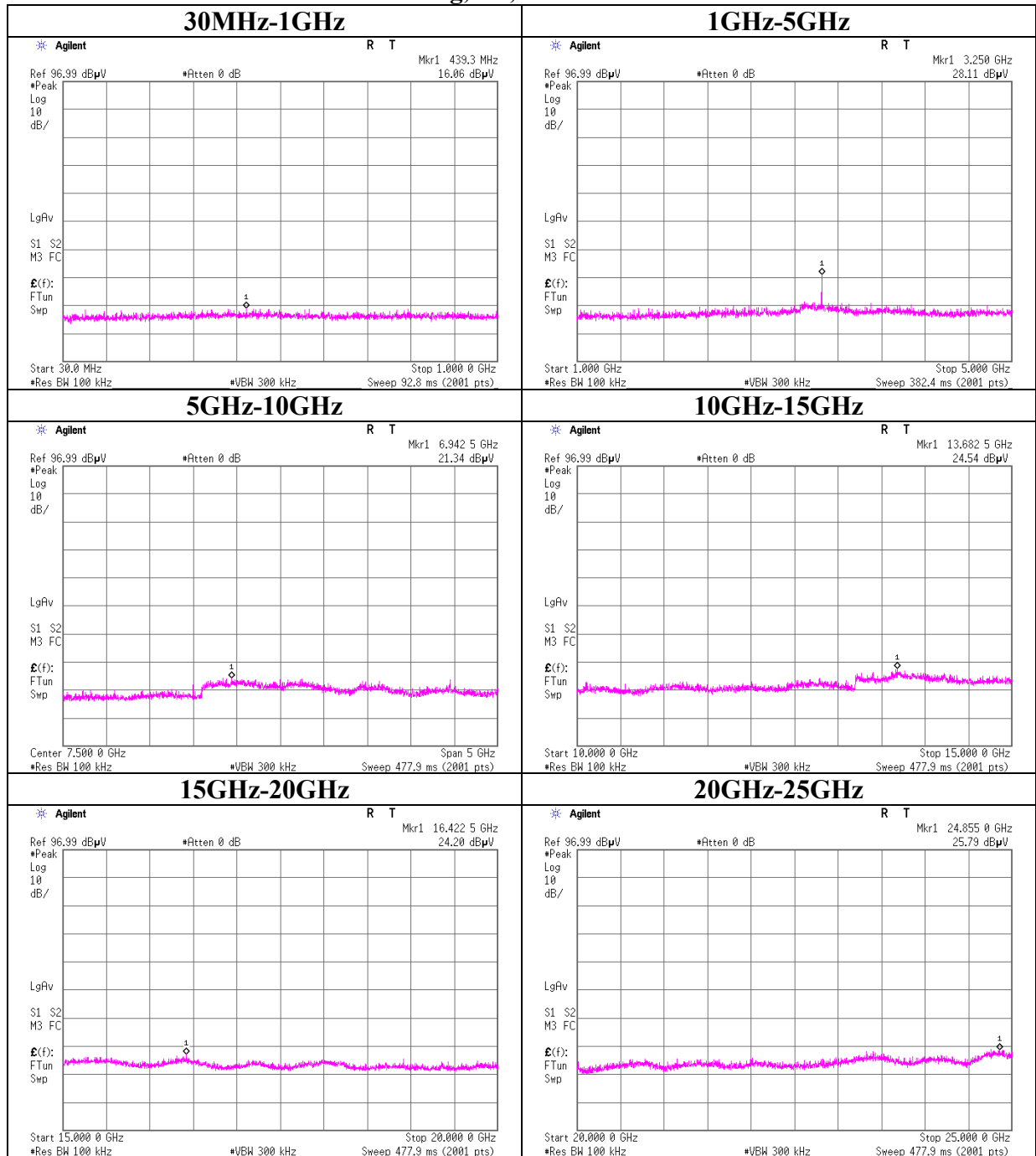
11a, Tx Turbo, 48Mbps, Ch: High



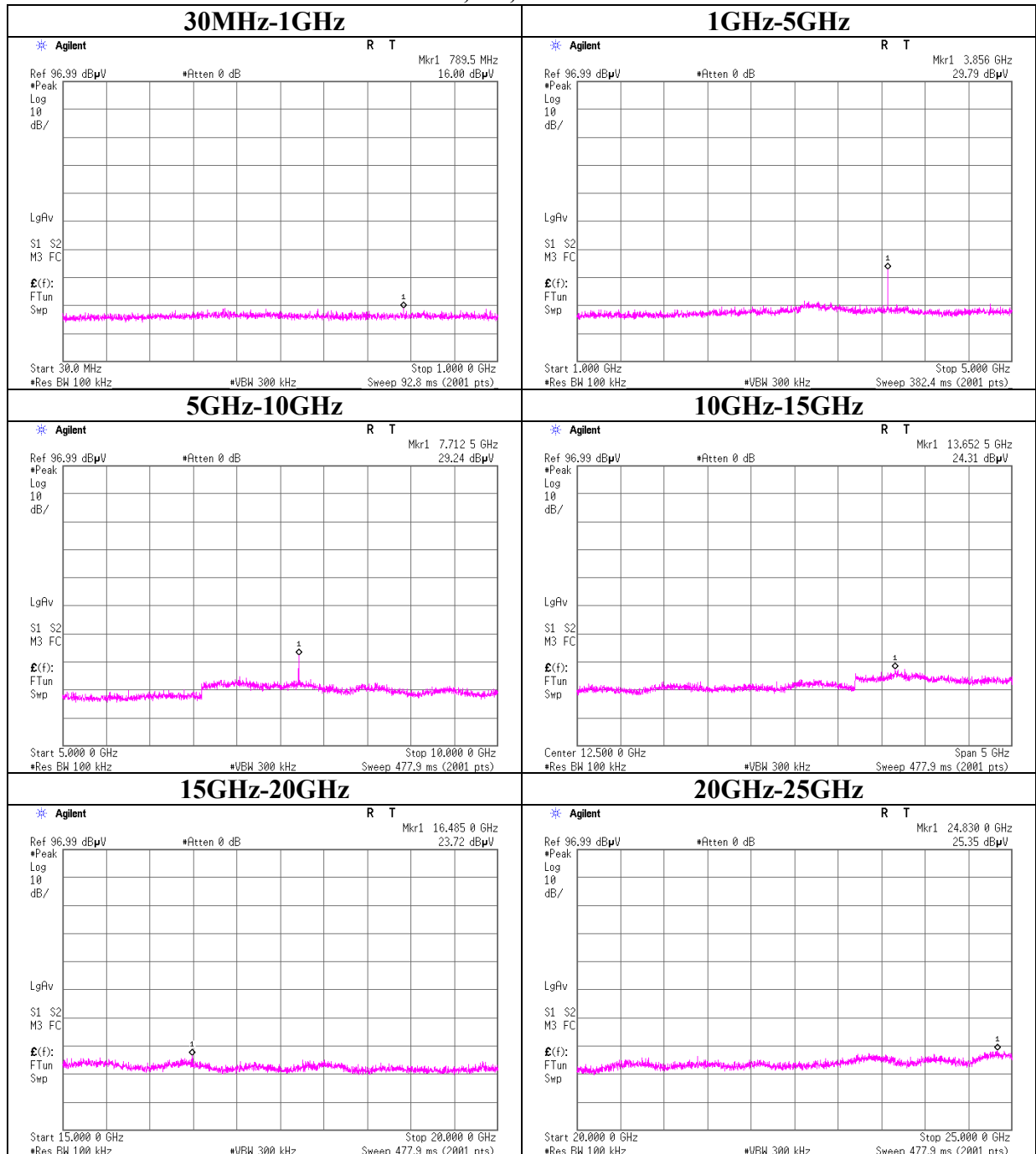
Conducted Spurious Emission
11b, Rx, Ch: Mid



Conducted Spurious Emission
11g, Rx, Ch: Mid

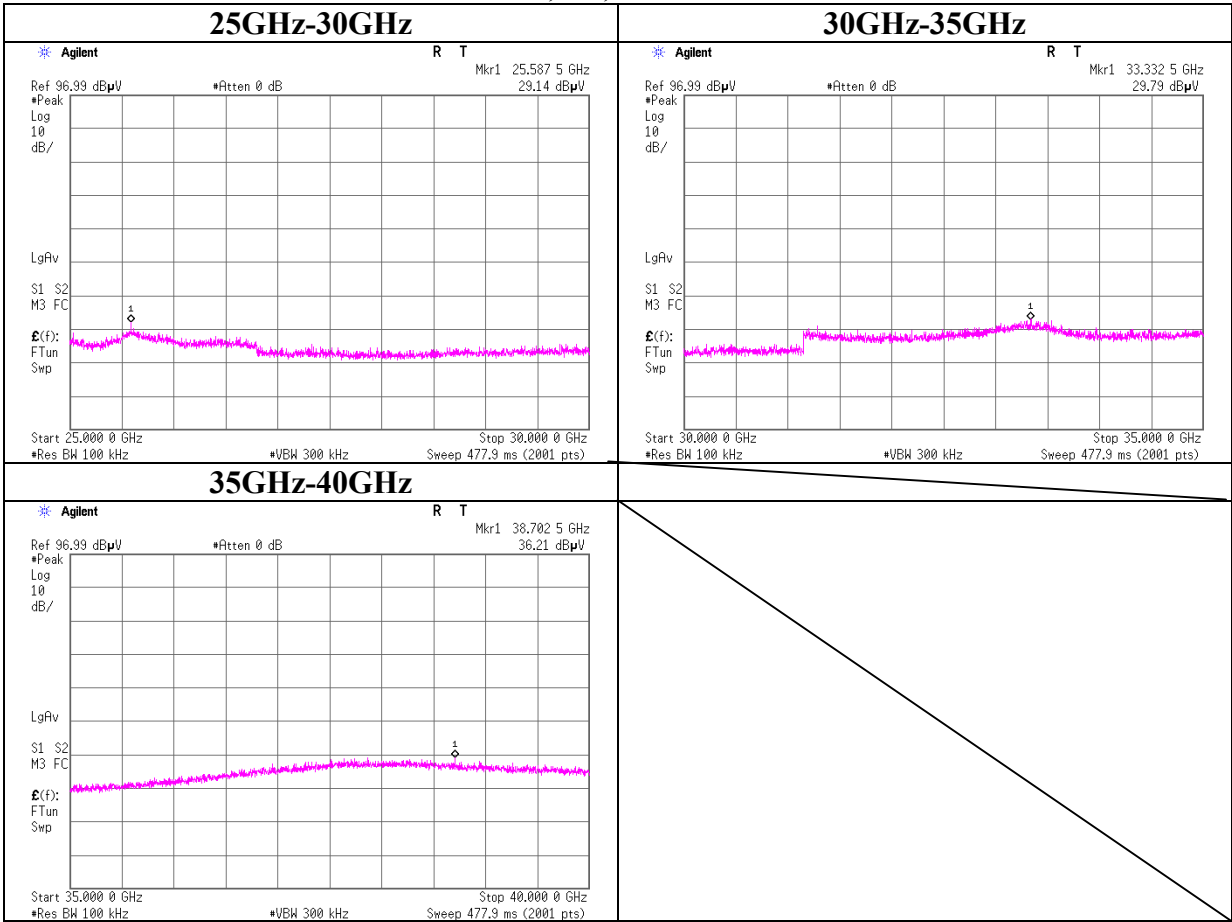


Conducted Spurious Emission
11a, Rx, Ch: Mid



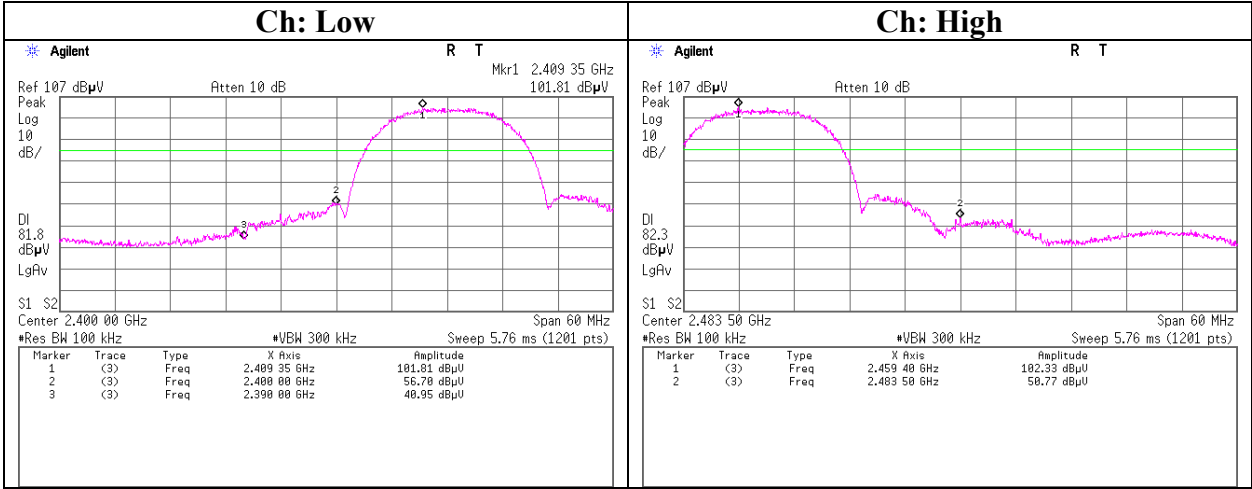
Conducted Spurious Emission

11a, Rx, Ch: Mid

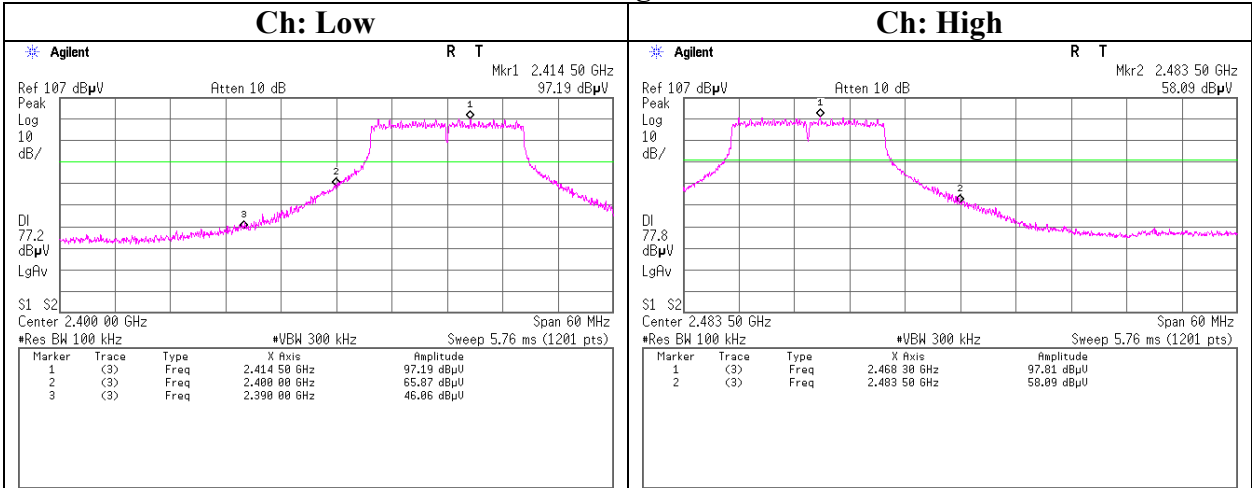


Conducted emission Band Edge compliance

11b

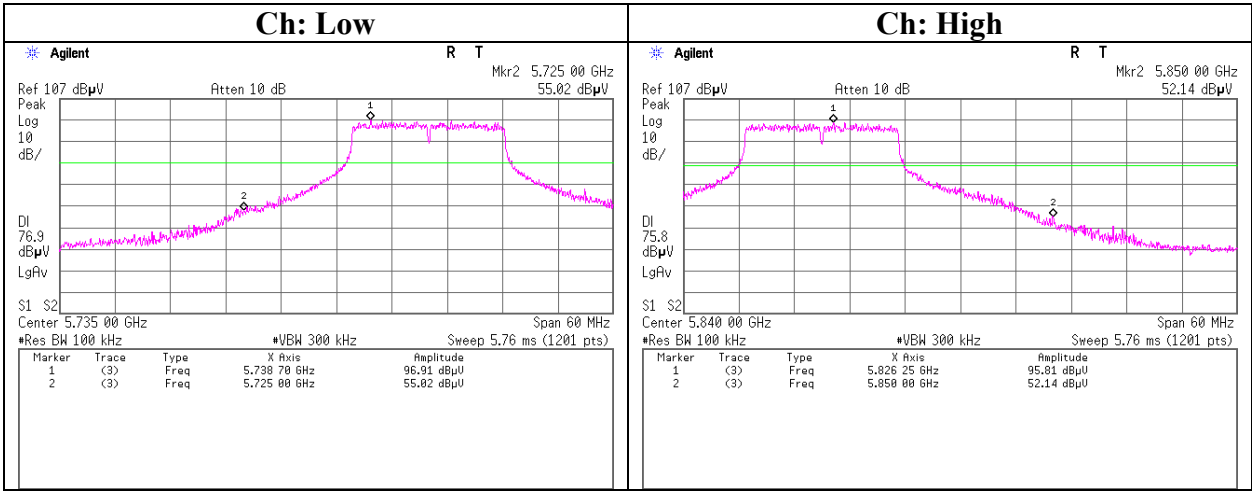


11g

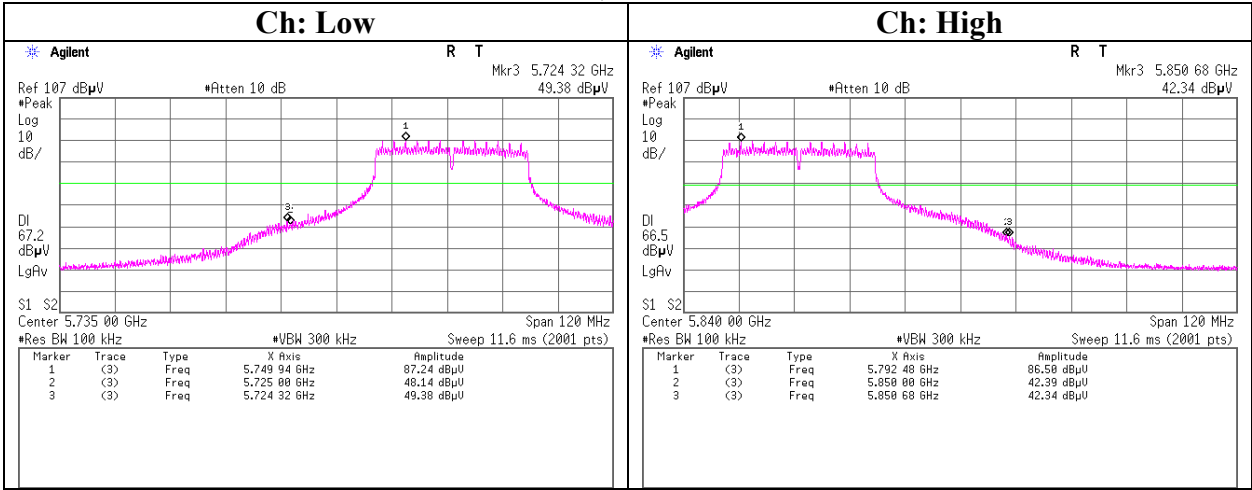


Conducted emission Band Edge compliance

11a



11a, Turbo



Power Density

UL Japan, Inc.

Head Office EMC Lab. No. 6 Measurement Room

Company : silex technology Inc.
Equipment : Wireless 11abg Adapter
Model : SX-10WAG-IT
S/N : 0080920115A7
Power : DC3.3V (AC 120V/60Hz)
Mode : Tx, 11b
Tx, 11g
Tx, 11a

Regulation : FCC Section 15.247(e) / RSS-210 A8.2(b)
Test Distance : -
Date : February 16, 2009
Temperature : 22 deg.C.
Humidity : 33 %
Engineer : Takeshi Choda

[IEEE802.11b] Ant A, 11Mbps (worst)

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.6	-19.53	1.7	20.0	2.2	8.0	5.9
Mid	2437.6	-19.53	1.7	20.0	2.2	8.0	5.9
High	2462.6	-19.41	1.7	20.0	2.3	8.0	5.7

[IEEE802.11g] Ant A, 24Mbps (worst)

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2407.0	-23.06	1.7	20.0	-1.4	8.0	9.4
Mid	2434.5	-22.49	1.7	20.0	-0.8	8.0	8.8
High	2459.5	-23.58	1.7	20.0	-1.9	8.0	9.9

[IEEE802.11a Upper band] Ant A, 24Mbps (worst)

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	5742.2	-26.56	2.7	20.0	-3.8	8.0	11.8
Mid	5782.5	-25.18	2.7	20.0	-2.5	8.0	10.5
High	5822.5	-24.83	2.7	20.0	-2.1	8.0	10.1

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

UL Japan, Inc.

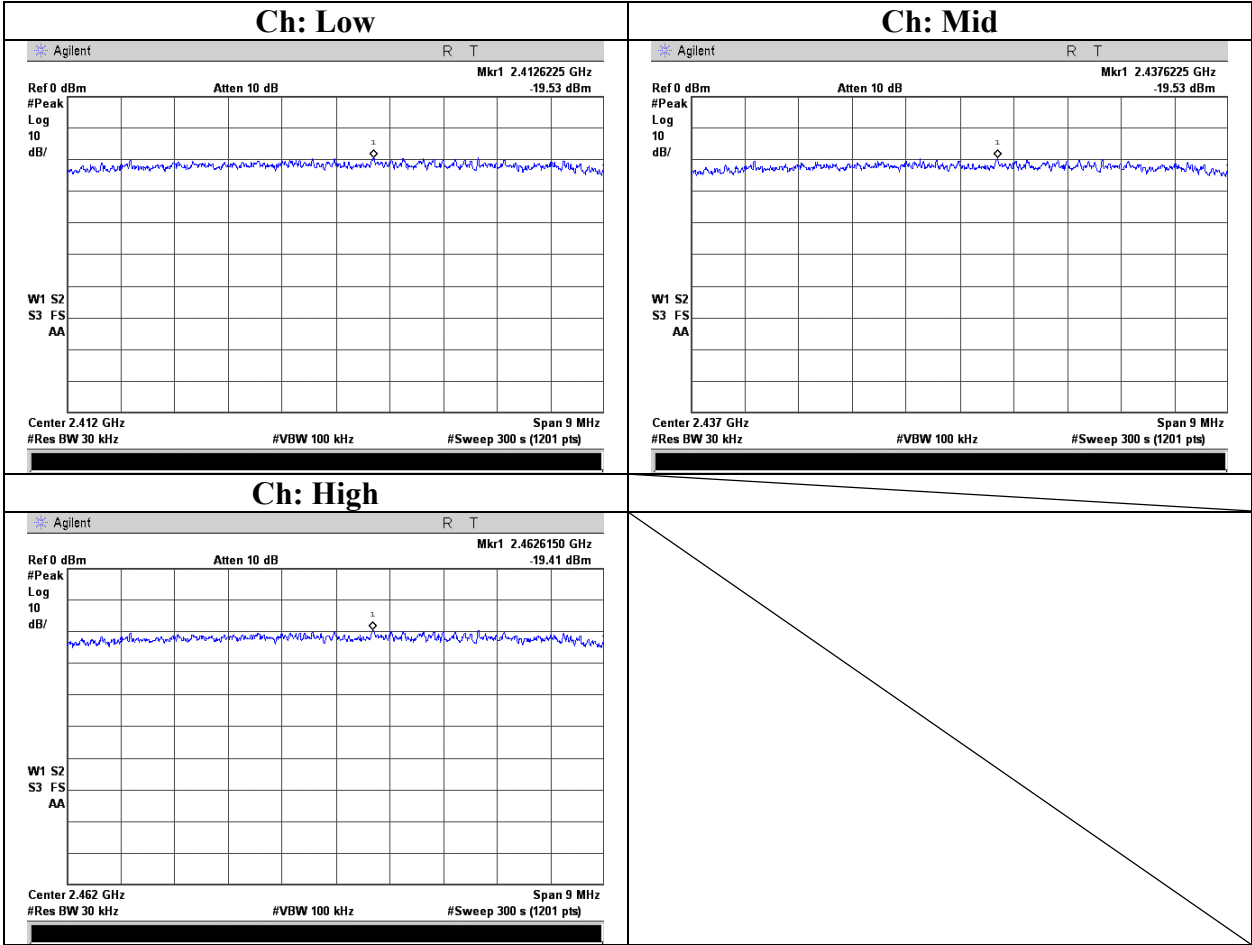
Head Office EMC Lab.

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

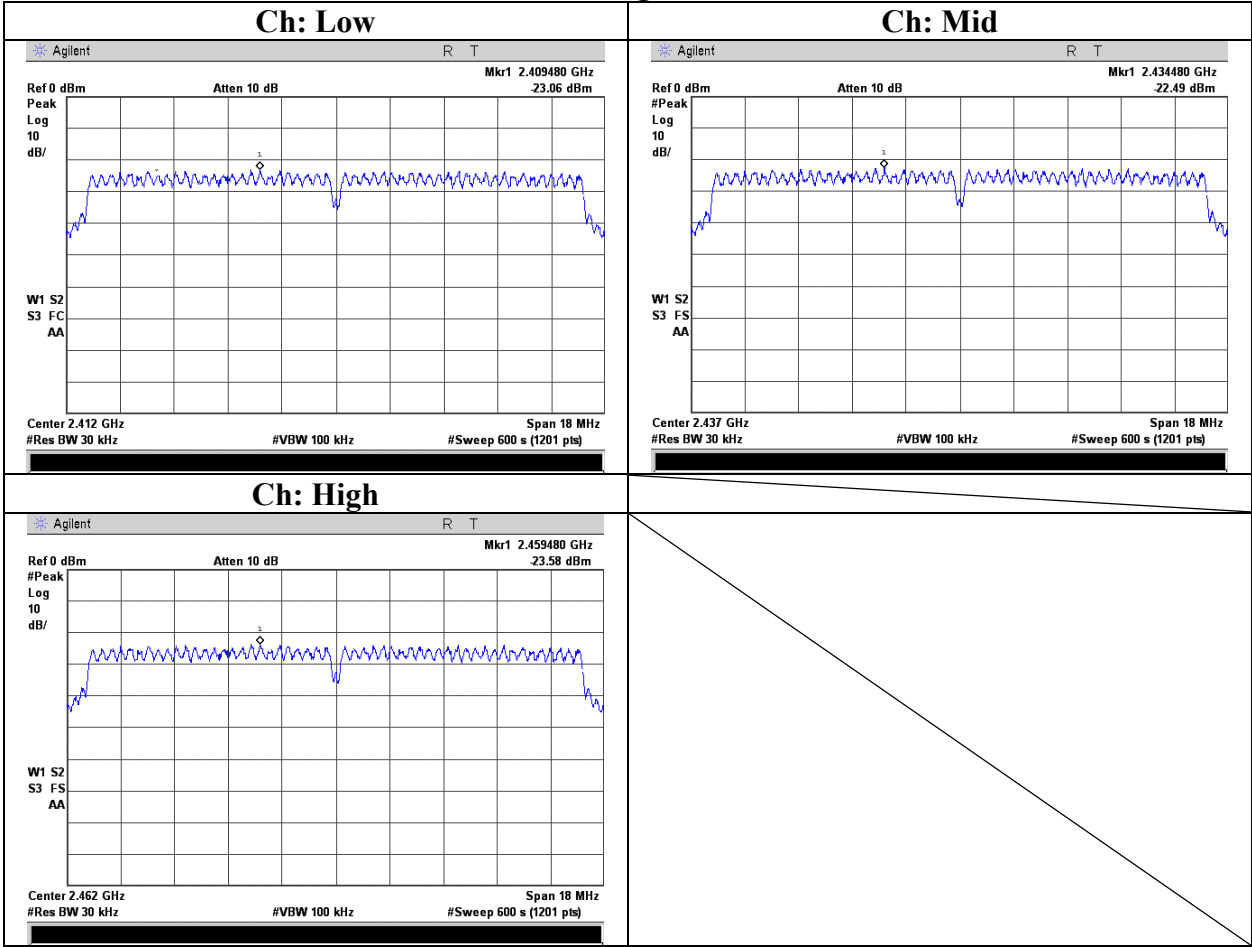
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Power Density
11b

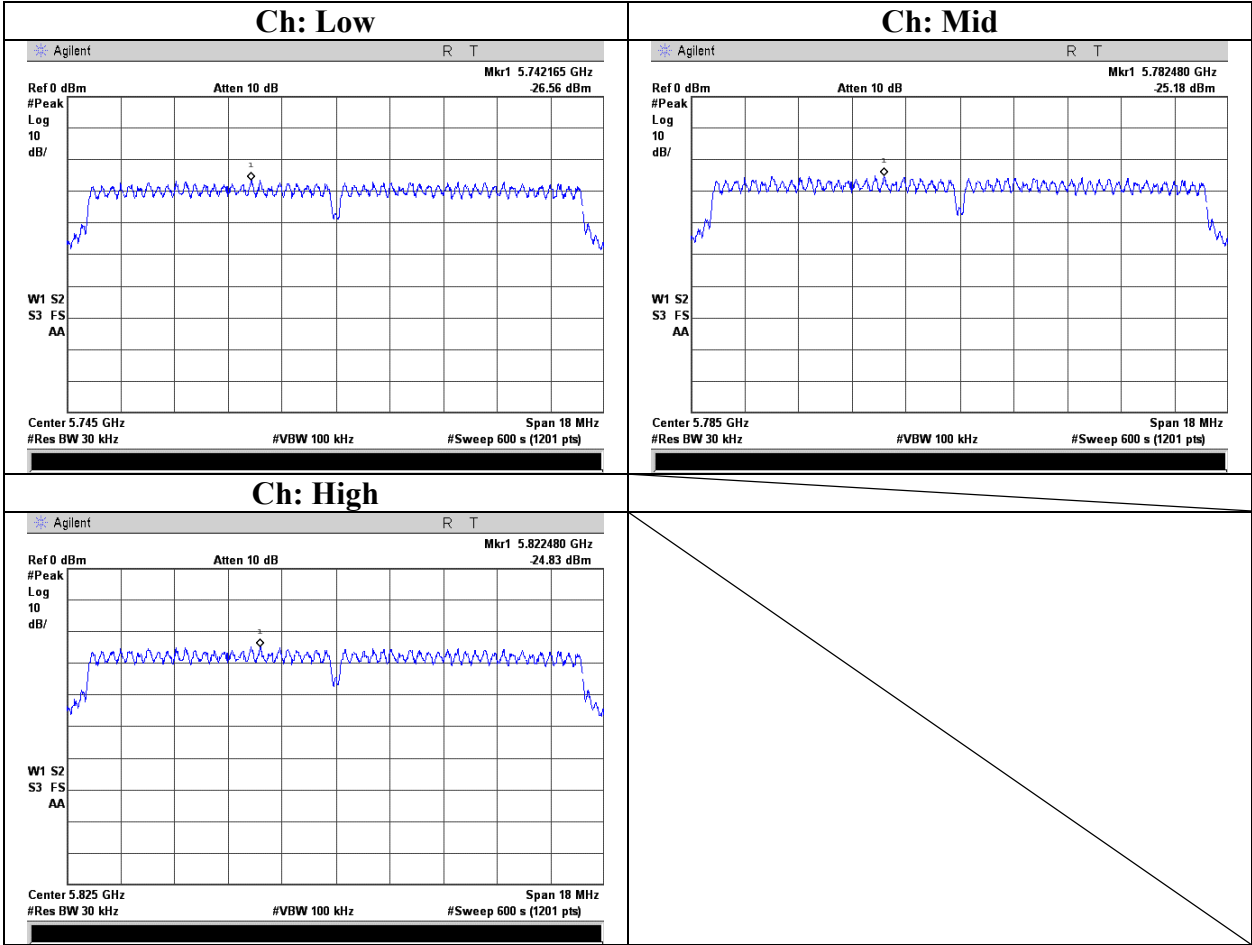


Power Density
11g

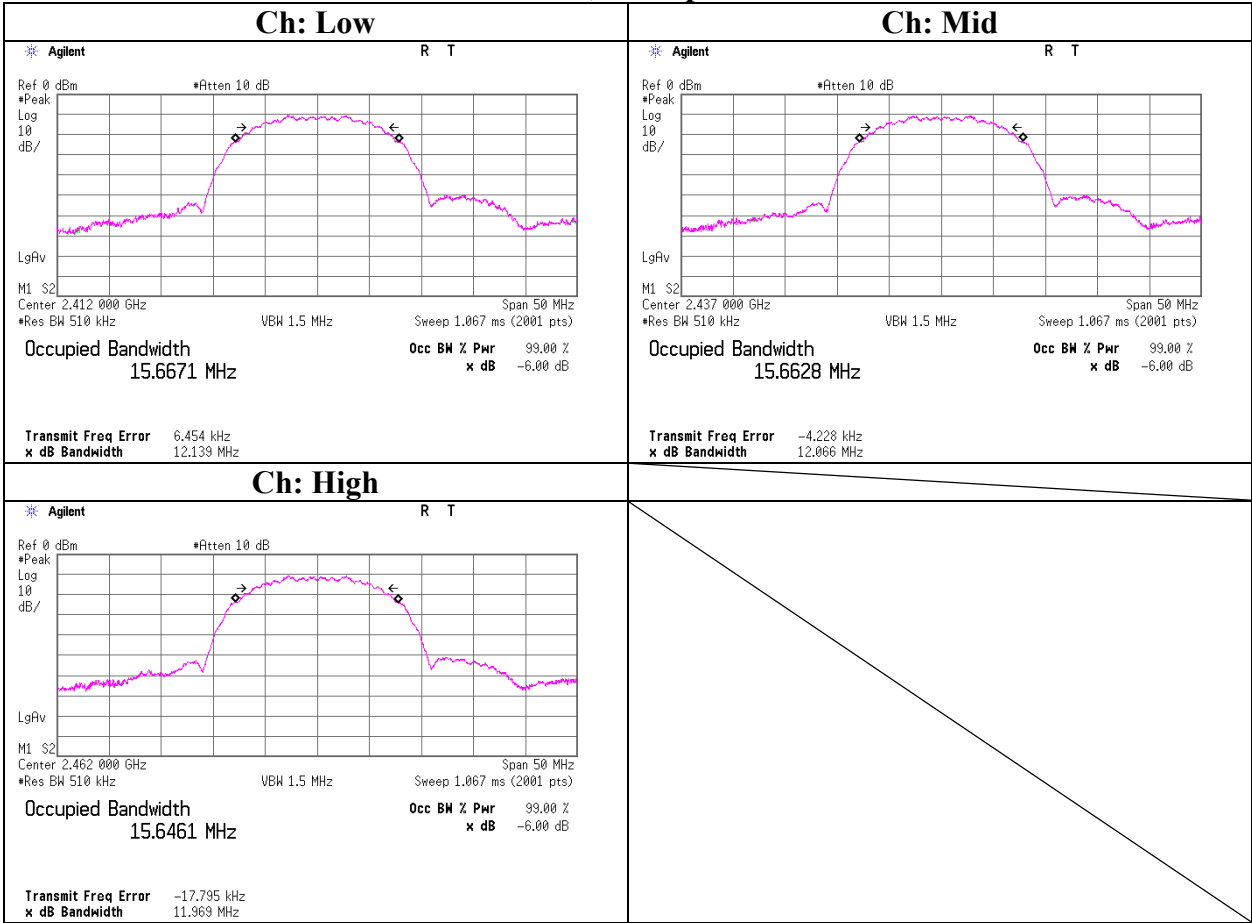


Power Density

11a

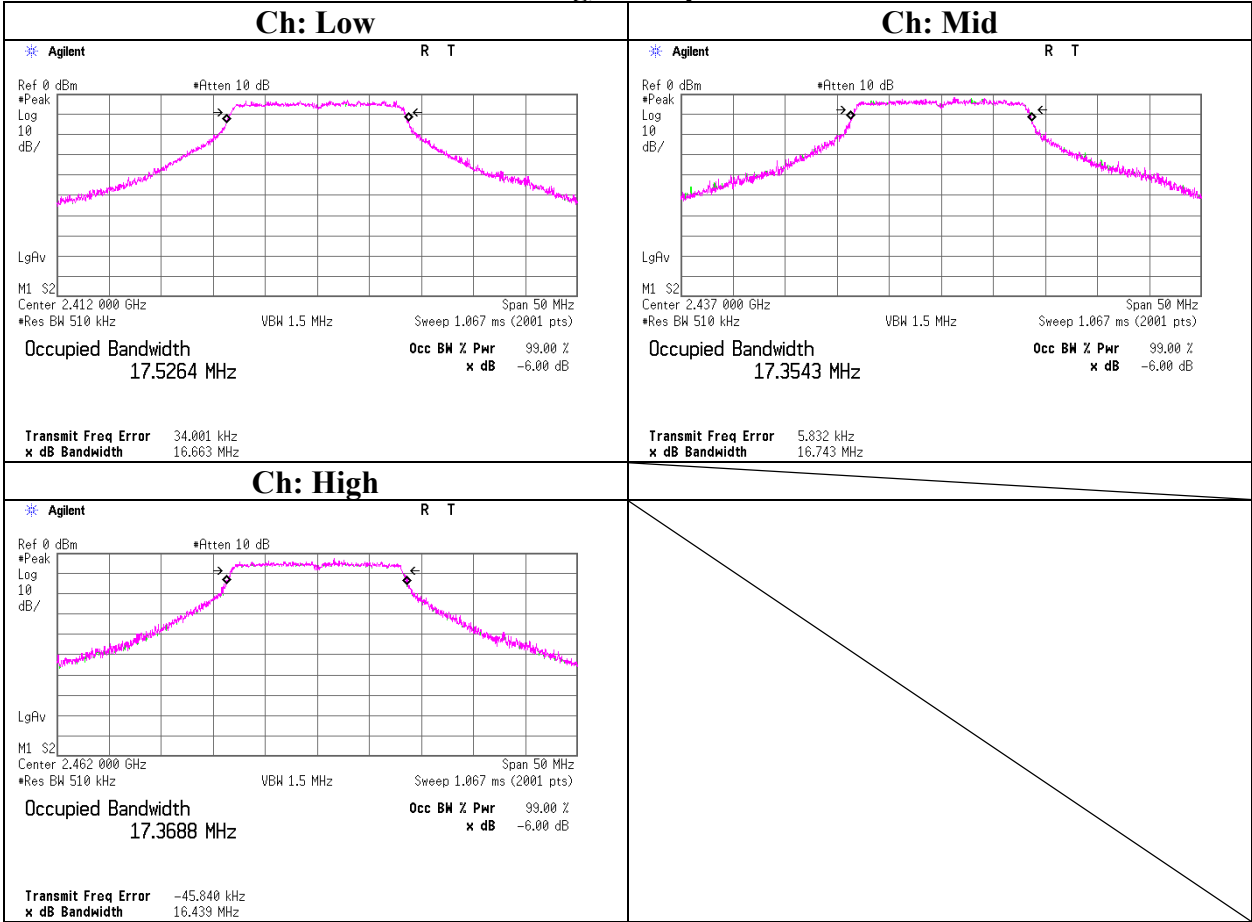


99%Occupied Bandwidth
11b, 11Mbps



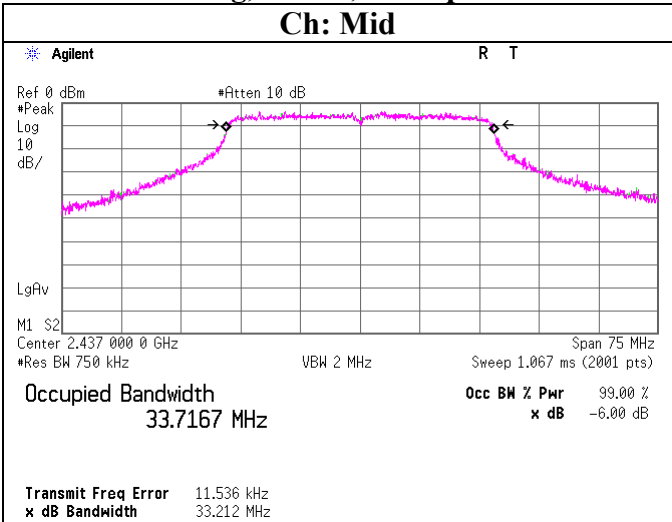
99%Occupied Bandwidth

11g, 24Mbps

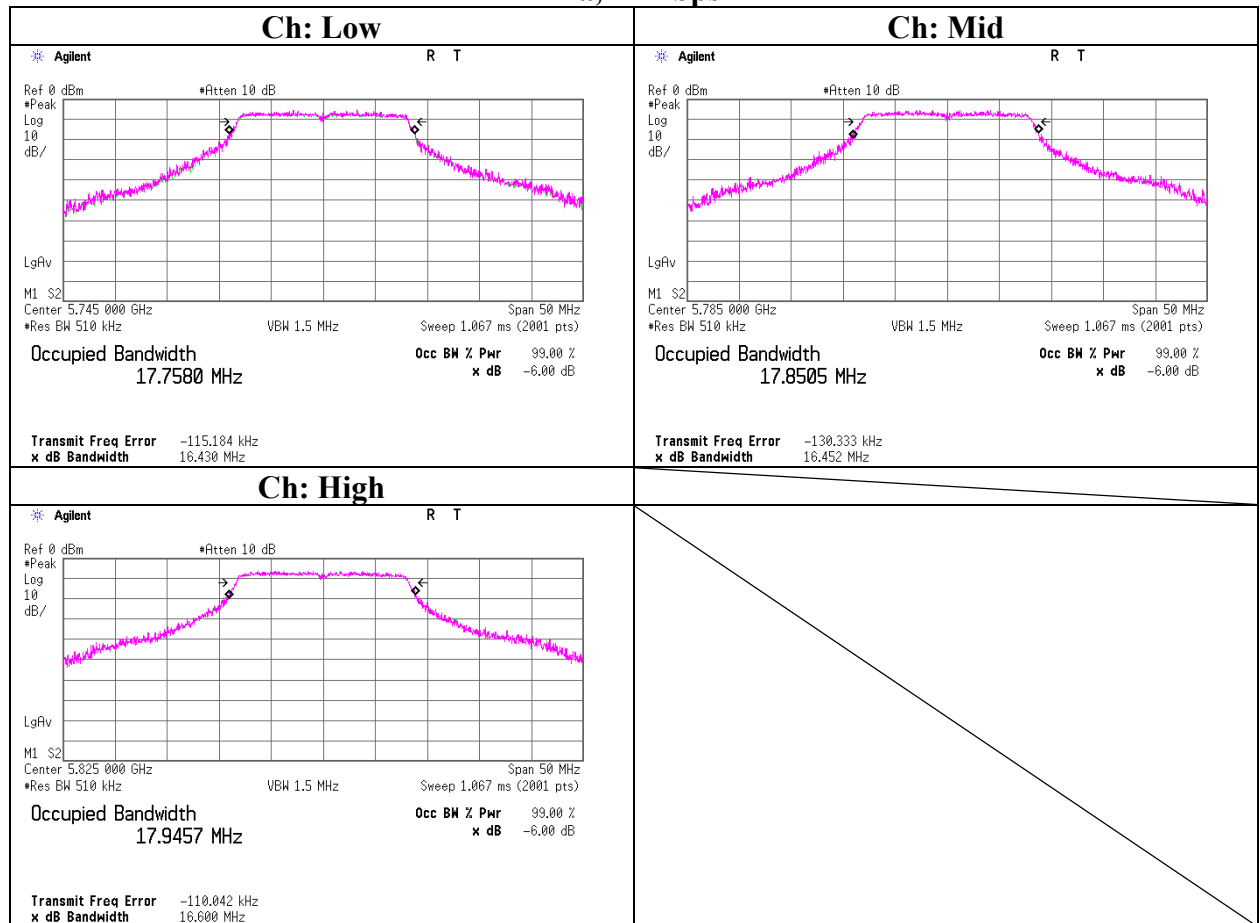


11g, Turbo, 48Mbps

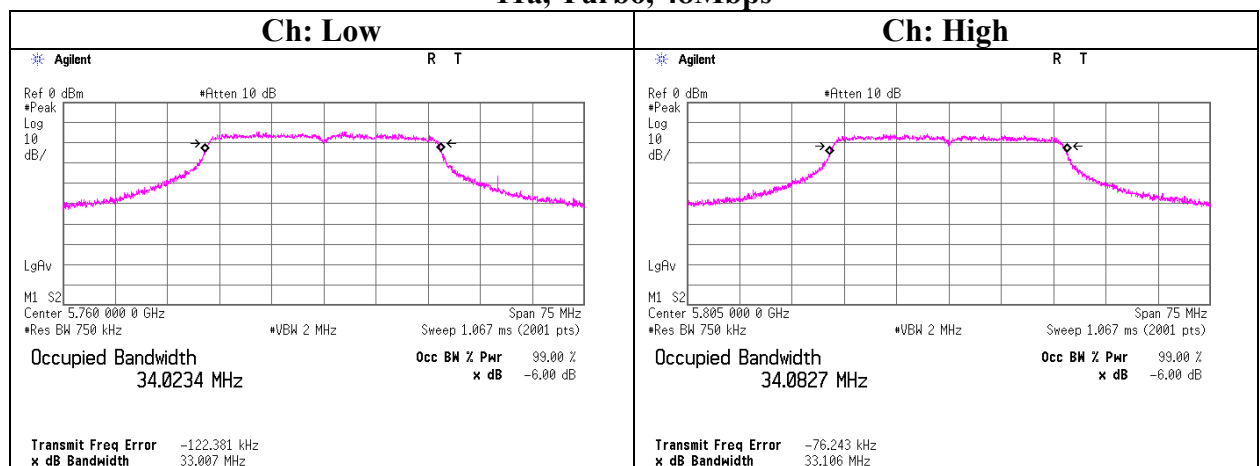
Ch: Mid



99%Occupied Bandwidth
11a, 24Mbps



11a, Turbo, 48Mbps



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	-
CUST-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	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
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	100300	RE	2008/04/02 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032008	RE	2008/10/18 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	201	RE	2008/10/18 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	-	RE	2009/02/16 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2008/11/14 * 12
MPA-09	Pre Amplifier	Agilent	8447D	2944A10845	RE	2008/09/04 * 12

EMI test equipment [2/2]

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-04	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE / CE	2009/02/03 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	-	RE / CE	2009/02/06 * 12
MJM-07	Measure	PROMART	SEN1955	-	RE / CE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	RE	2008/02/27 * 12
MCC-57	Microwave Cable 1G-26.5GHz (6.0m)	Suhner	SUCOFLEX104	246769(1m) / 292411(5m)	RE	2008/11/05 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	MY39500780	RE	2008/03/13 * 12
MHF-20	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCC	607	RE	2008/12/12 * 12
MCC-79	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278923/4	RE	2008/12/17 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	100635	RE / CE	2008/10/03 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	1302	RE	2009/01/10 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	N/A	RE	2009/01/10 * 12
MCC-50	Coaxial cable	UL Japan	-	-	RE	2008/03/17 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	-	RE	2008/03/10 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	260833	RE	2008/03/06 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	160400285	CE	2008/06/25 * 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
MOS-14	Thermo-Hygrometer	Custom	CTH-180	-	AT	2009/02/04 * 12
MBM-10	Barometer	Sunoh	SBR121	832	AT	2007/12/27 * 36
MPM-08	Power Meter	Anritsu	ML2495A	6K00003338	AT	2008/09/24 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	011737	AT	2008/09/24 * 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.