

APPENDIX 2: Data of EMI test

**Conducted Emission
(Power Supply: SONY)**

DATA OF CONDUCTED EMISSION TEST

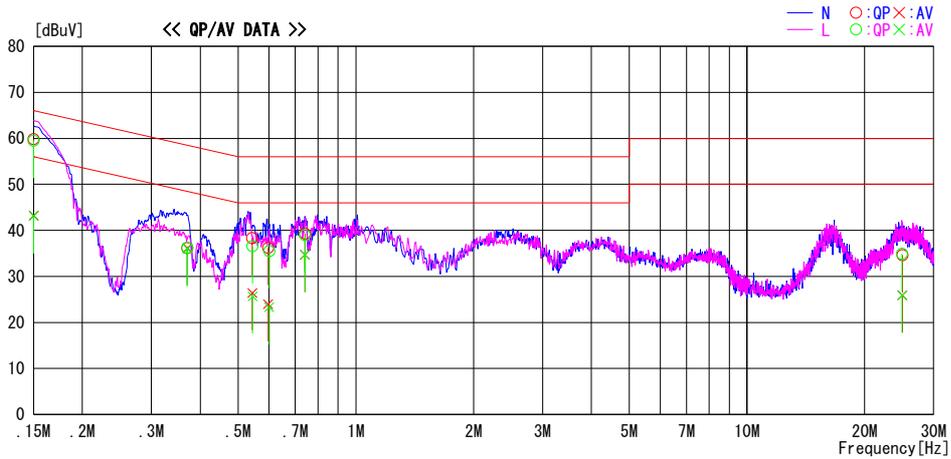
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11b Transmitting mode(Tx) 2437MHz, 11Mbps, Ant0

LIMIT : FCC15.207 QP
FCC15.207 AV

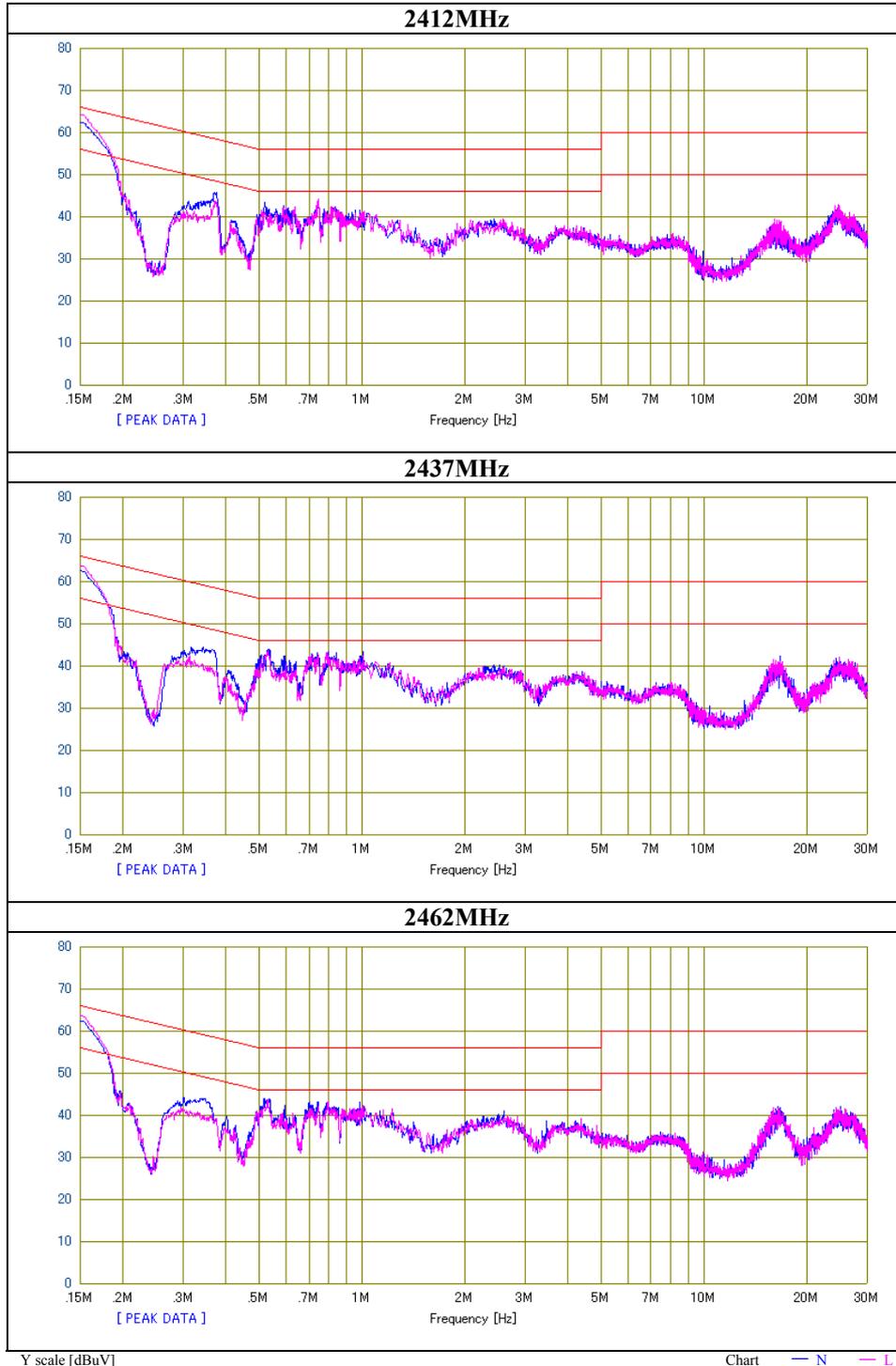


Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15000	46.5	29.9	13.3	59.8	43.2	66.0	56.0	6.2	12.8	N	
0.37067	22.8	22.9	13.3	36.1	36.2	58.5	48.5	22.4	12.3	N	
0.54320	25.0	13.1	13.3	38.3	26.4	56.0	46.0	17.7	19.6	N	
0.59645	22.9	10.7	13.3	36.2	24.0	56.0	46.0	19.8	22.0	N	
0.74031	26.0	21.4	13.3	39.3	34.7	56.0	46.0	16.7	11.3	N	
24.94630	19.6	10.9	15.0	34.6	25.9	60.0	50.0	25.4	24.1	N	
0.15000	46.2	29.8	13.3	59.5	43.1	66.0	56.0	6.5	12.9	L	
0.37061	22.9	22.7	13.3	36.2	36.0	58.5	48.5	22.3	12.5	L	
0.54417	23.2	12.4	13.3	36.5	25.7	56.0	46.0	19.5	20.3	L	
0.60021	22.2	10.0	13.3	35.5	23.3	56.0	46.0	20.5	22.7	L	
0.74029	25.7	21.4	13.3	39.0	34.7	56.0	46.0	17.0	11.3	L	
24.91966	19.9	10.9	15.0	34.9	25.9	60.0	50.0	25.1	24.1	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.

Conducted Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/10/2010
Temperature/ Humidity 22 deg.C./ 41%
Engineer Takumi Shimada
Mode 11b Tx Ant0



**Conducted Emission
(Power Supply: SONY)**

DATA OF CONDUCTED EMISSION TEST

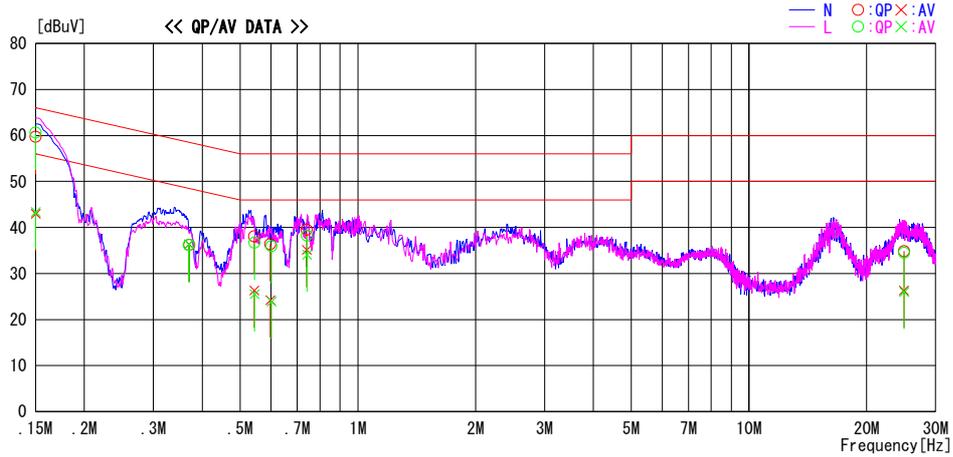
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11b Transmitting mode(Tx) 2437MHz, 11Mbps, Ant1

LIMIT : FCG15.207 QP
FCG15.207 AV

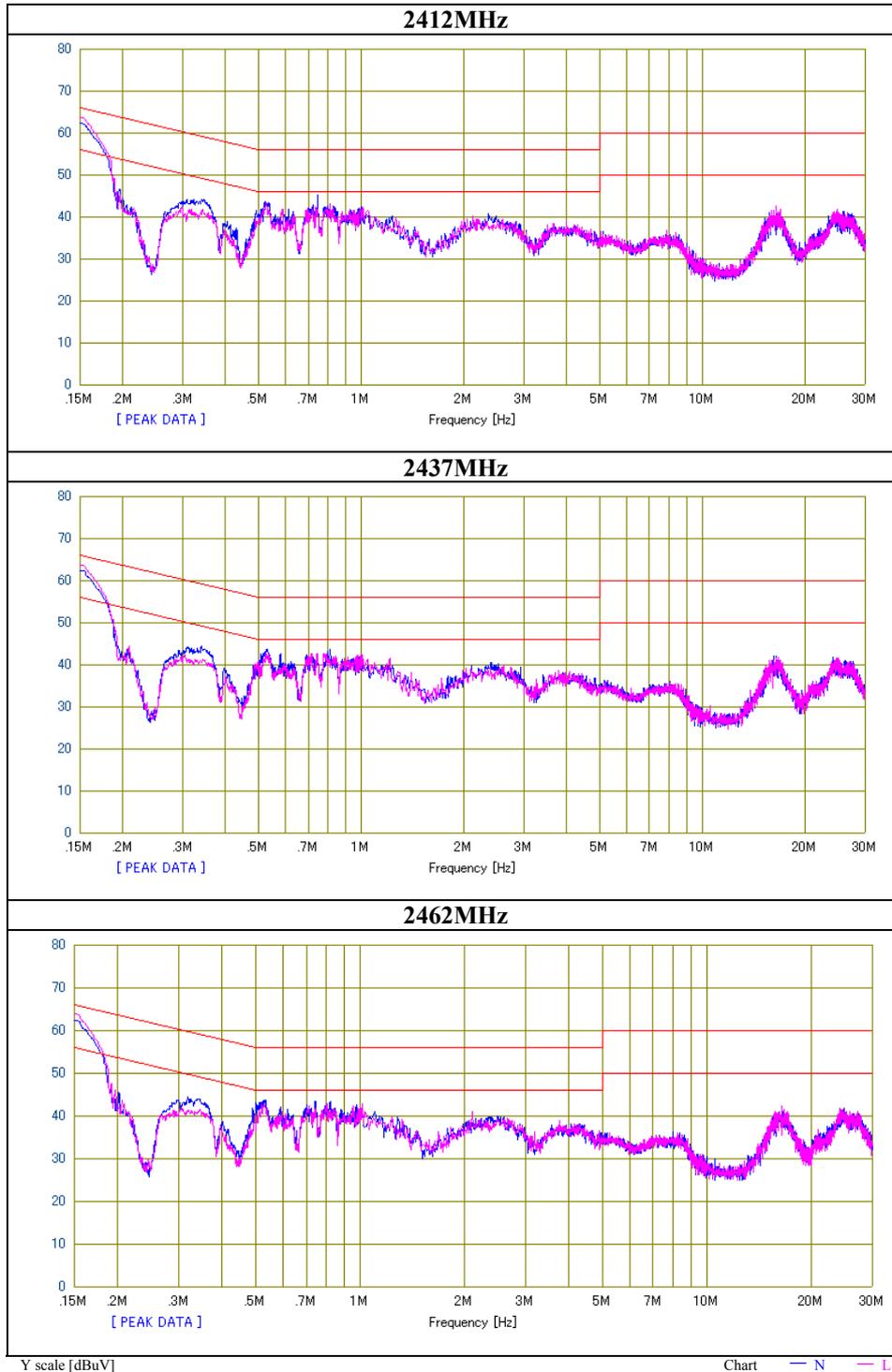


Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15000	46.4	29.7	13.3	59.7	43.0	66.0	56.0	6.3	13.0	N	
0.37042	22.9	23.0	13.3	36.2	36.3	58.5	48.5	22.3	12.2	N	
0.54322	24.8	13.0	13.3	38.1	26.3	56.0	46.0	17.9	19.7	N	
0.59749	23.1	10.9	13.3	36.4	24.2	56.0	46.0	19.6	21.8	N	
0.74018	26.2	21.8	13.3	39.5	35.1	56.0	46.0	16.5	10.9	N	
24.89340	19.8	11.3	15.0	34.8	26.3	60.0	50.0	25.2	23.7	N	
0.15000	47.3	30.1	13.3	60.6	43.4	66.0	56.0	5.4	12.6	L	
0.37002	22.9	23.0	13.3	36.2	36.3	58.5	48.5	22.3	12.2	L	
0.54458	23.4	12.2	13.3	36.7	25.5	56.0	46.0	19.3	20.5	L	
0.60093	22.7	10.6	13.3	36.0	23.9	56.0	46.0	20.0	22.1	L	
0.74109	24.9	20.8	13.3	38.2	34.1	56.0	46.0	17.8	11.9	L	
24.91934	19.5	11.0	15.0	34.5	26.0	60.0	50.0	25.5	24.0	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.

Conducted Emission
(Power Supply: SONY)

Test place	Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No.	30HE0264-HO-01
Date	04/10/2010
Temperature/ Humidity	22 deg.C./ 41%
Engineer	Takumi Shimada
Mode	11b Tx Ant1



**Conducted Emission
(Power Supply: SONY)**

DATA OF CONDUCTED EMISSION TEST

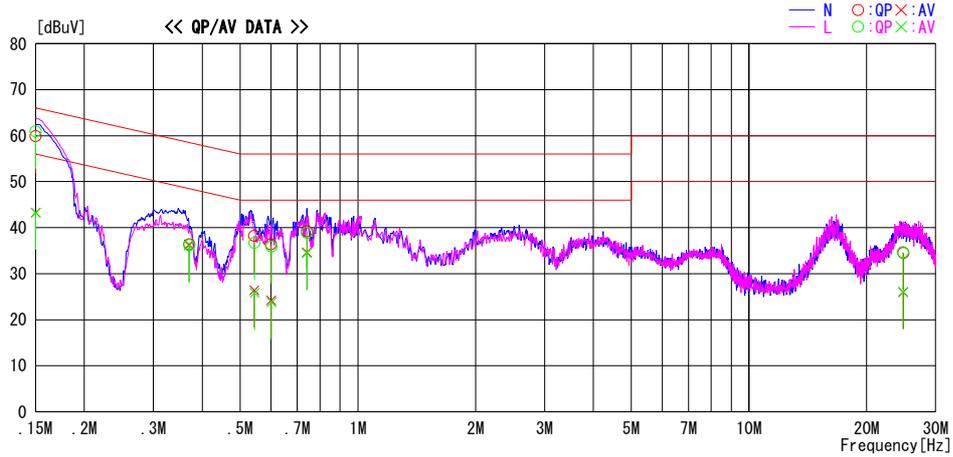
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11g Transmitting mode(Tx) 2437MHz, 24Mbps, Ant0

LIMIT : FCC15.207 QP
FCC15.207 AV

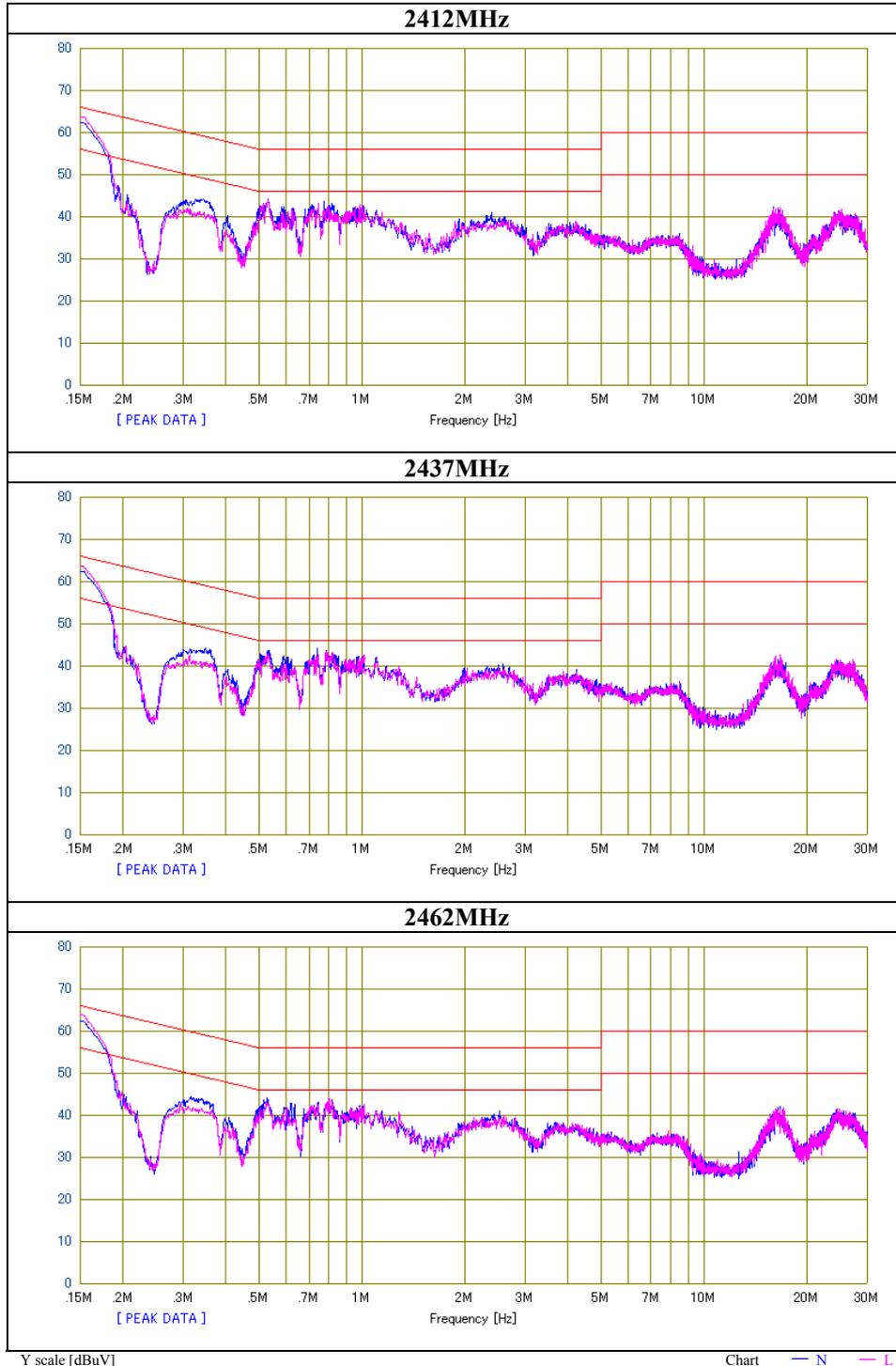


Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15000	46.6	30.0	13.3	59.9	43.3	66.0	56.0	6.1	12.7	N	
0.37022	23.1	23.0	13.3	36.4	36.3	58.5	48.5	22.1	12.2	N	
0.54308	24.9	13.1	13.3	38.2	26.4	56.0	46.0	17.8	19.6	N	
0.60020	23.1	10.9	13.3	36.4	24.2	56.0	46.0	19.6	21.8	N	
0.74030	25.9	21.3	13.3	39.2	34.6	56.0	46.0	16.8	11.4	N	
24.79850	19.5	11.0	15.0	34.5	26.0	60.0	50.0	25.5	24.0	N	
0.15000	47.6	30.0	13.3	60.9	43.3	66.0	56.0	5.1	12.7	L	
0.37033	22.9	22.8	13.3	36.2	36.1	58.5	48.5	22.3	12.4	L	
0.54420	23.4	12.5	13.3	36.7	25.8	56.0	46.0	19.3	20.2	L	
0.60104	22.6	10.5	13.3	35.9	23.8	56.0	46.0	20.1	22.2	L	
0.74064	25.6	21.2	13.3	38.9	34.5	56.0	46.0	17.1	11.5	L	
24.75890	19.7	11.1	15.0	34.7	26.1	60.0	50.0	25.3	23.9	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.

Conducted Emission
(Power Supply: SONY)

Test place	Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No.	30HE0264-HO-01
Date	04/10/2010
Temperature/ Humidity	22 deg.C./ 41%
Engineer	Takumi Shimada
Mode	11g Tx Ant0



**Conducted Emission
(Power Supply: SONY)**

DATA OF CONDUCTED EMISSION TEST

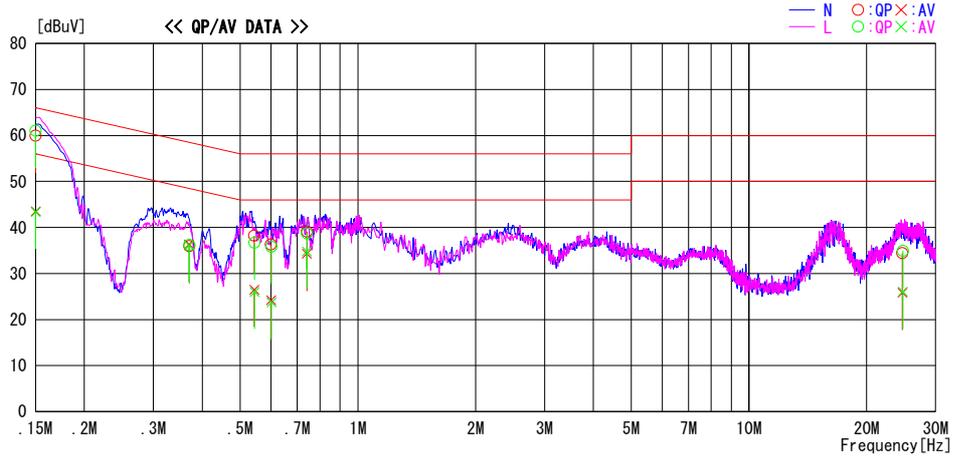
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11g Transmitting mode(Tx) 2437MHz, 24Mbps, Ant1

LIMIT : FCG15.207 QP
FCG15.207 AV

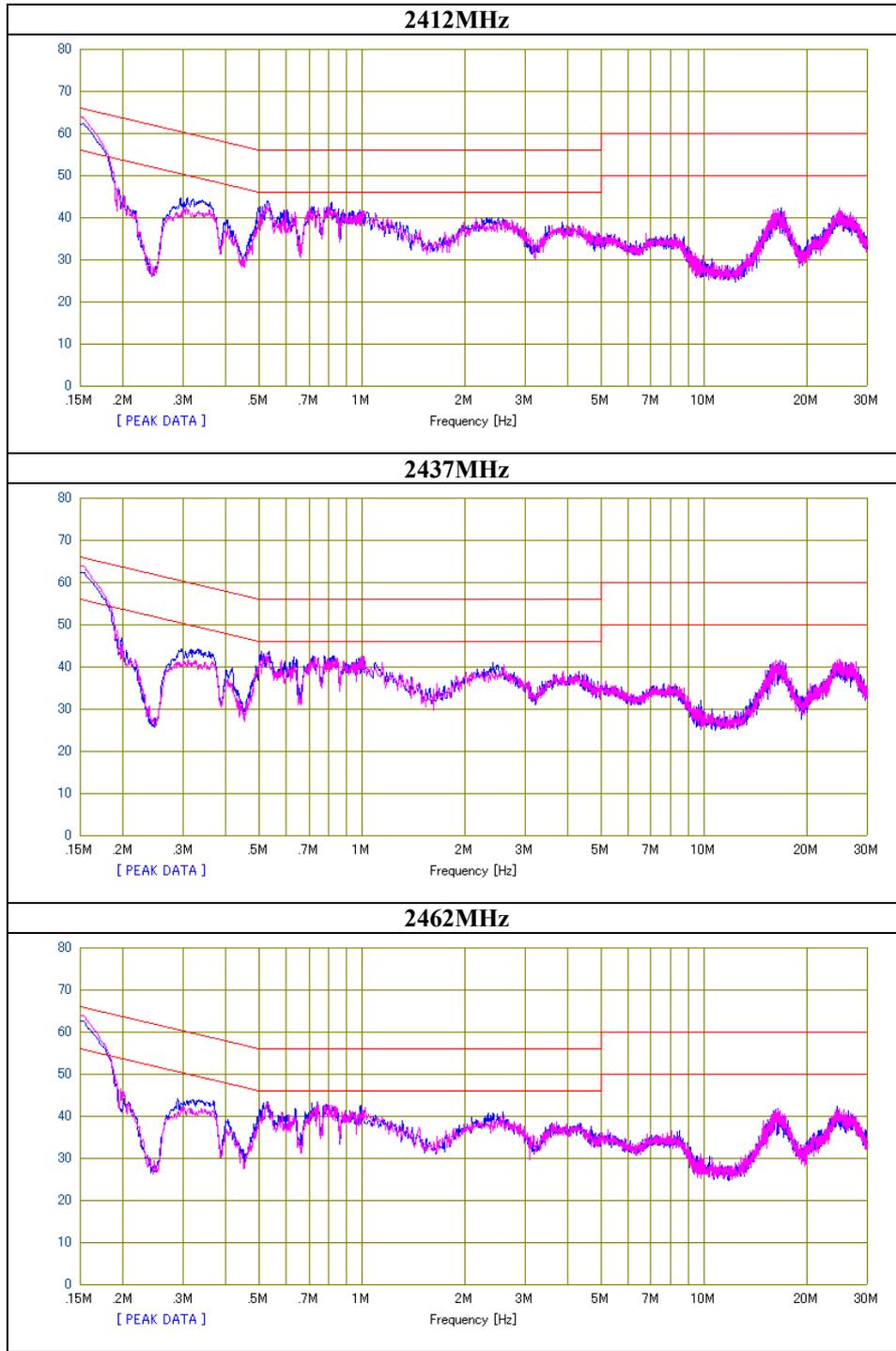


Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15000	46.7	30.2	13.3	60.0	43.5	66.0	56.0	6.0	12.5	N	
0.37059	22.7	23.0	13.3	36.0	36.3	58.5	48.5	22.5	12.2	N	
0.54313	24.9	13.2	13.3	38.2	26.5	56.0	46.0	17.8	19.5	N	
0.60011	23.0	10.9	13.3	36.3	24.2	56.0	46.0	19.7	21.8	N	
0.74028	25.8	21.0	13.3	39.1	34.3	56.0	46.0	16.9	11.7	N	
24.65940	19.4	10.8	15.0	34.4	25.8	60.0	50.0	25.6	24.2	N	
0.15000	47.7	30.1	13.3	61.0	43.4	66.0	56.0	5.0	12.6	L	
0.37041	22.9	22.8	13.3	36.2	36.1	58.5	48.5	22.3	12.4	L	
0.54465	23.4	12.7	13.3	36.7	26.0	56.0	46.0	19.3	20.0	L	
0.60114	22.5	10.4	13.3	35.8	23.7	56.0	46.0	20.2	22.3	L	
0.74038	25.4	21.5	13.3	38.7	34.8	56.0	46.0	17.3	11.2	L	
24.74980	19.9	11.1	15.0	34.9	26.1	60.0	50.0	25.1	23.9	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.

Conducted Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/10/2010
Temperature/ Humidity 22 deg.C./ 41%
Engineer Takumi Shimada
Mode 11g Tx Ant1



**Conducted Emission
(Power Supply: SONY)**

DATA OF CONDUCTED EMISSION TEST

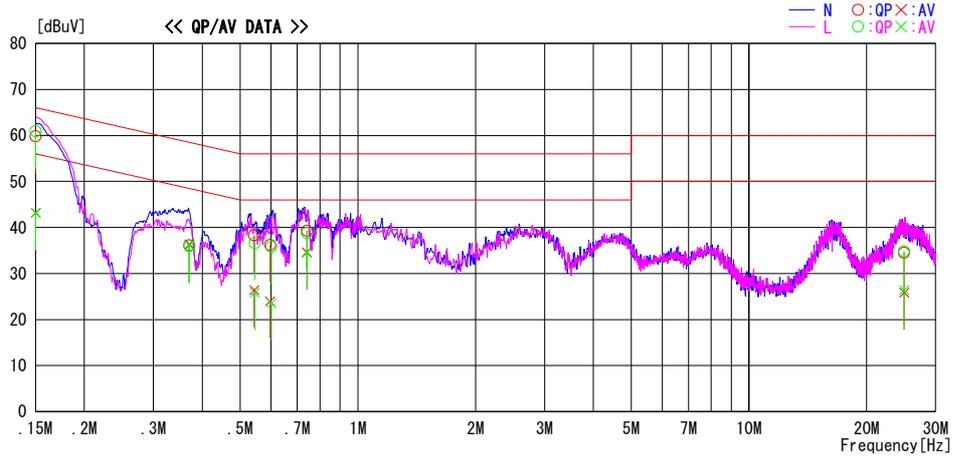
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11bg Receiving mode(Rx) 2437MHz, 11Mbps, Ant0

LIMIT : FCG15.207 QP
FCG15.207 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]		
0.15000	46.5	29.9	13.3	59.8	43.2	66.0	56.0	6.2	12.8	N	
0.37067	22.8	23.0	13.3	36.1	36.3	58.5	48.5	22.4	12.2	N	
0.54319	25.0	13.1	13.3	38.3	26.4	56.0	46.0	17.7	19.6	N	
0.59644	22.9	10.7	13.3	36.2	24.0	56.0	46.0	19.8	22.0	N	
0.74032	26.0	21.3	13.3	39.3	34.6	56.0	46.0	16.7	11.4	N	
24.92020	19.5	10.9	15.0	34.5	25.9	60.0	50.0	25.5	24.1	N	
0.15000	47.6	29.9	13.3	60.9	43.2	66.0	56.0	5.1	12.8	L	
0.37069	22.7	22.8	13.3	36.0	36.1	58.5	48.5	22.5	12.4	L	
0.54469	23.3	12.5	13.3	36.6	25.8	56.0	46.0	19.4	20.2	L	
0.60110	22.5	10.3	13.3	35.8	23.6	56.0	46.0	20.2	22.4	L	
0.74070	25.5	21.2	13.3	38.8	34.5	56.0	46.0	17.2	11.5	L	
24.92044	19.8	11.4	15.0	34.8	26.4	60.0	50.0	25.2	23.6	L	

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

Conducted Emission
(Power Supply: SONY)

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/10

Report No. : 30HE0264-HO-01

Temp./Humi. : 22deg. C / 41%
Engineer : Takumi Shimada

Mode / Remarks : IEEE802.11bg Receiving mode(Rx) 2437MHz, Ant1

LIMIT : FCC15.207 QP
FCC15.207 AV

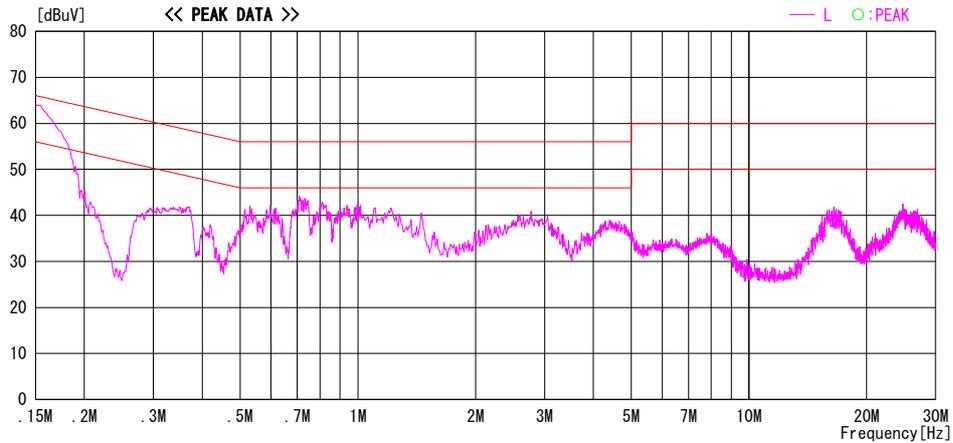
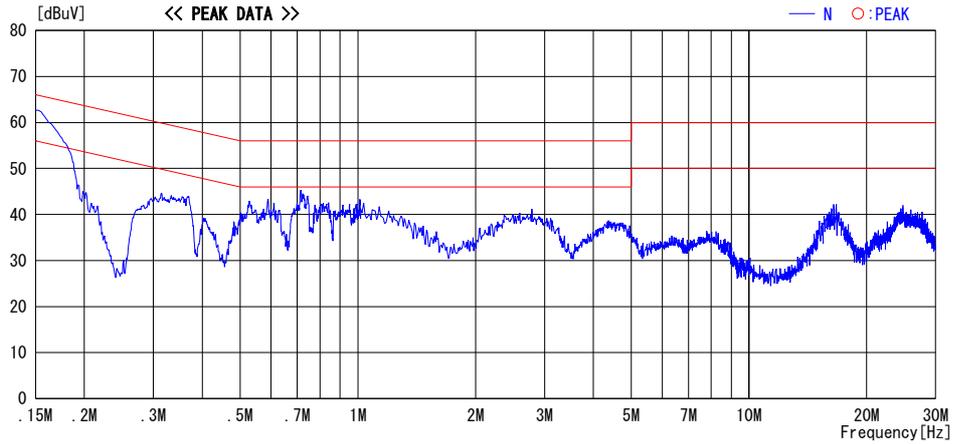


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (LISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
(Power Supply: DELTA)

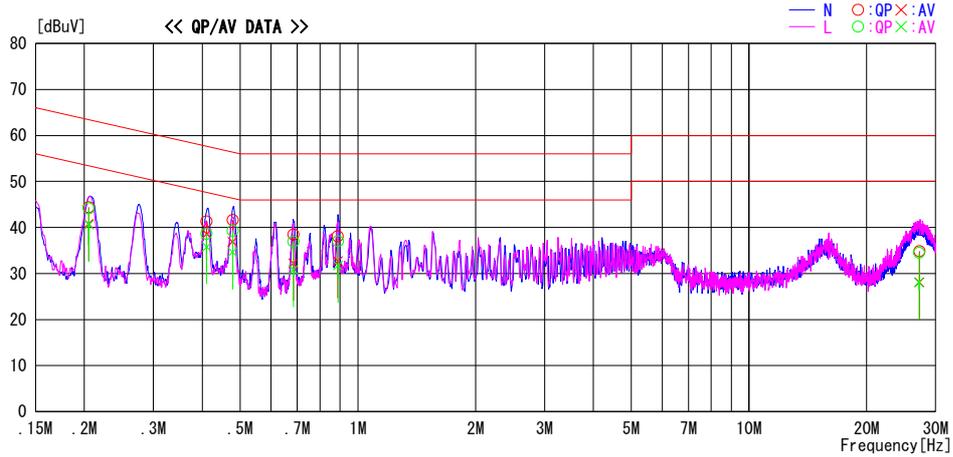
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11b Transmitting mode(Tx) 2437MHz, 11Mbps, Ant0

LIMIT : FCG15.207 QP
FCG15.207 AV

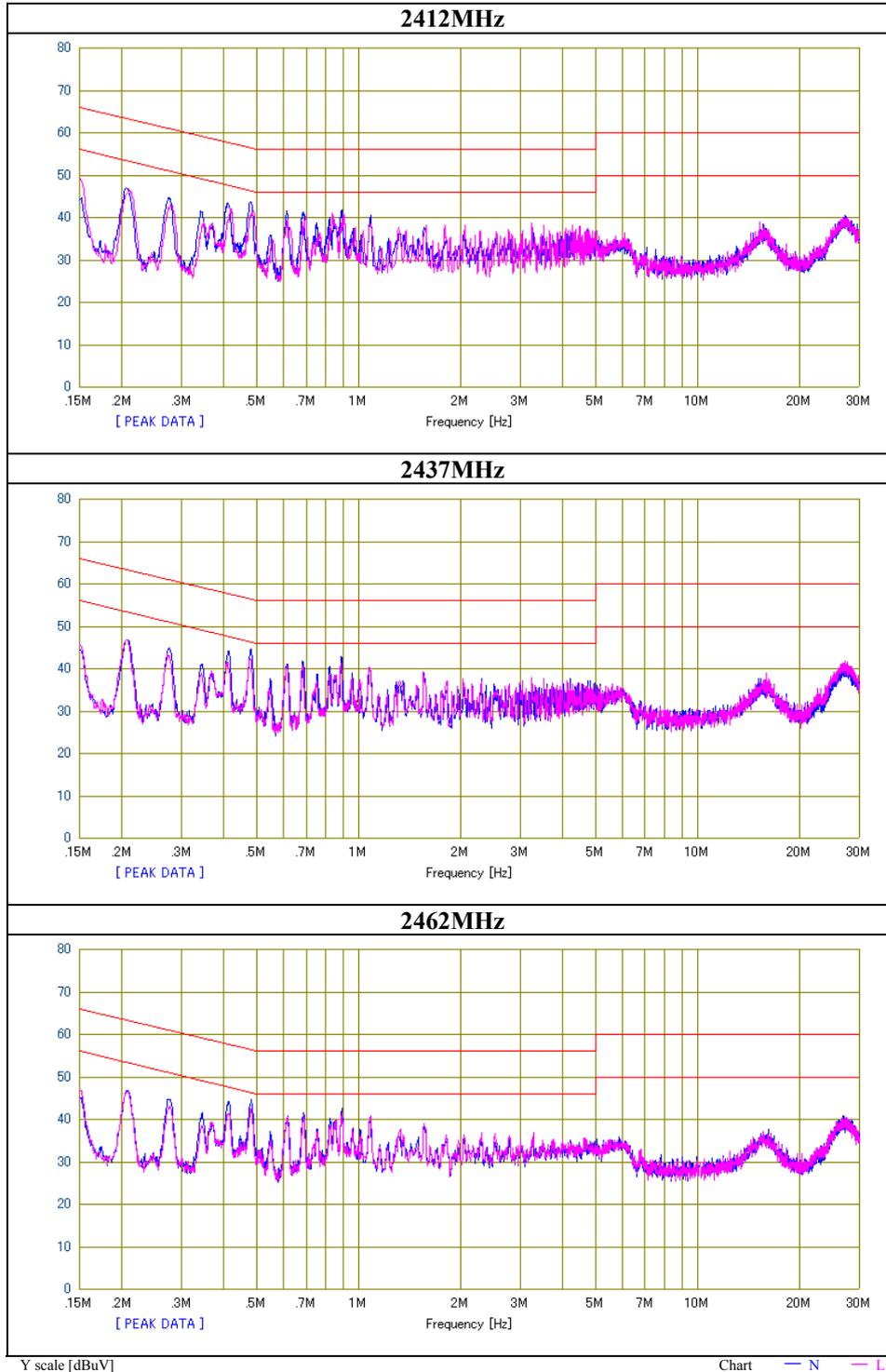


Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.20514	31.1	27.5	13.3	44.4	40.8	63.4	53.4	19.0	12.6	N	
0.41024	28.0	25.3	13.3	41.3	38.6	57.6	47.6	16.3	9.0	N	
0.47845	28.3	23.6	13.3	41.6	36.9	56.4	46.4	14.8	9.5	N	
0.68372	25.2	18.9	13.3	38.5	32.2	56.0	46.0	17.5	13.8	N	
0.88863	24.8	19.4	13.3	38.1	32.7	56.0	46.0	17.9	13.3	N	
27.26988	19.7	13.0	15.1	34.8	28.1	60.0	50.0	25.2	21.9	N	
0.20525	30.8	27.3	13.3	44.1	40.6	63.4	53.4	19.3	12.8	L	
0.41054	25.3	22.5	13.3	38.6	35.8	57.6	47.6	19.0	11.8	L	
0.47867	26.0	21.3	13.3	39.3	34.6	56.4	46.4	17.1	11.8	L	
0.68392	23.6	17.5	13.3	36.9	30.8	56.0	46.0	19.1	15.2	L	
0.88922	23.7	18.4	13.3	37.0	31.7	56.0	46.0	19.0	14.3	L	
27.20856	19.4	13.0	15.1	34.5	28.1	60.0	50.0	25.5	21.9	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.

Conducted Emission
(Power Supply: DELTA)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/09/2010
Temperature/ Humidity 24 deg.C./ 29%
Engineer Satofumi Matsuyama
Mode 11b Tx Ant0



Conducted Emission
(Power Supply: DELTA)

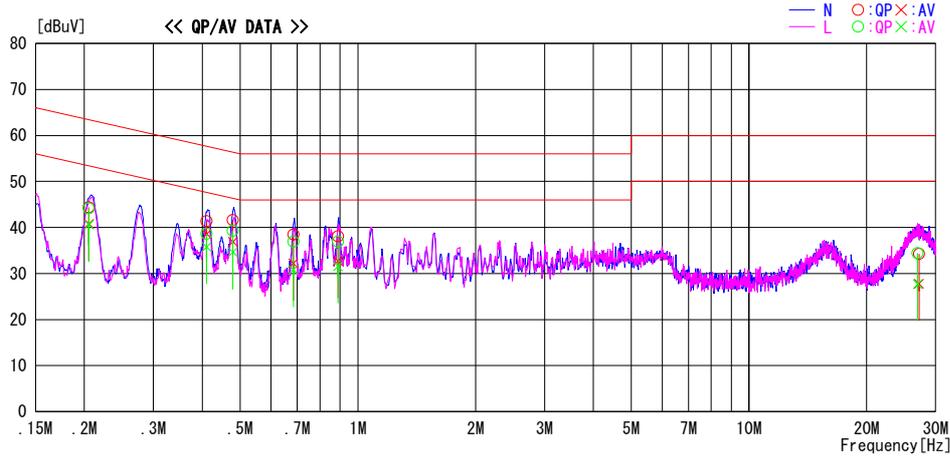
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11b Transmitting mode(Tx) 2437MHz, 11Mbps, Ant1

LIMIT : FCG15.207 QP
FCG15.207 AV

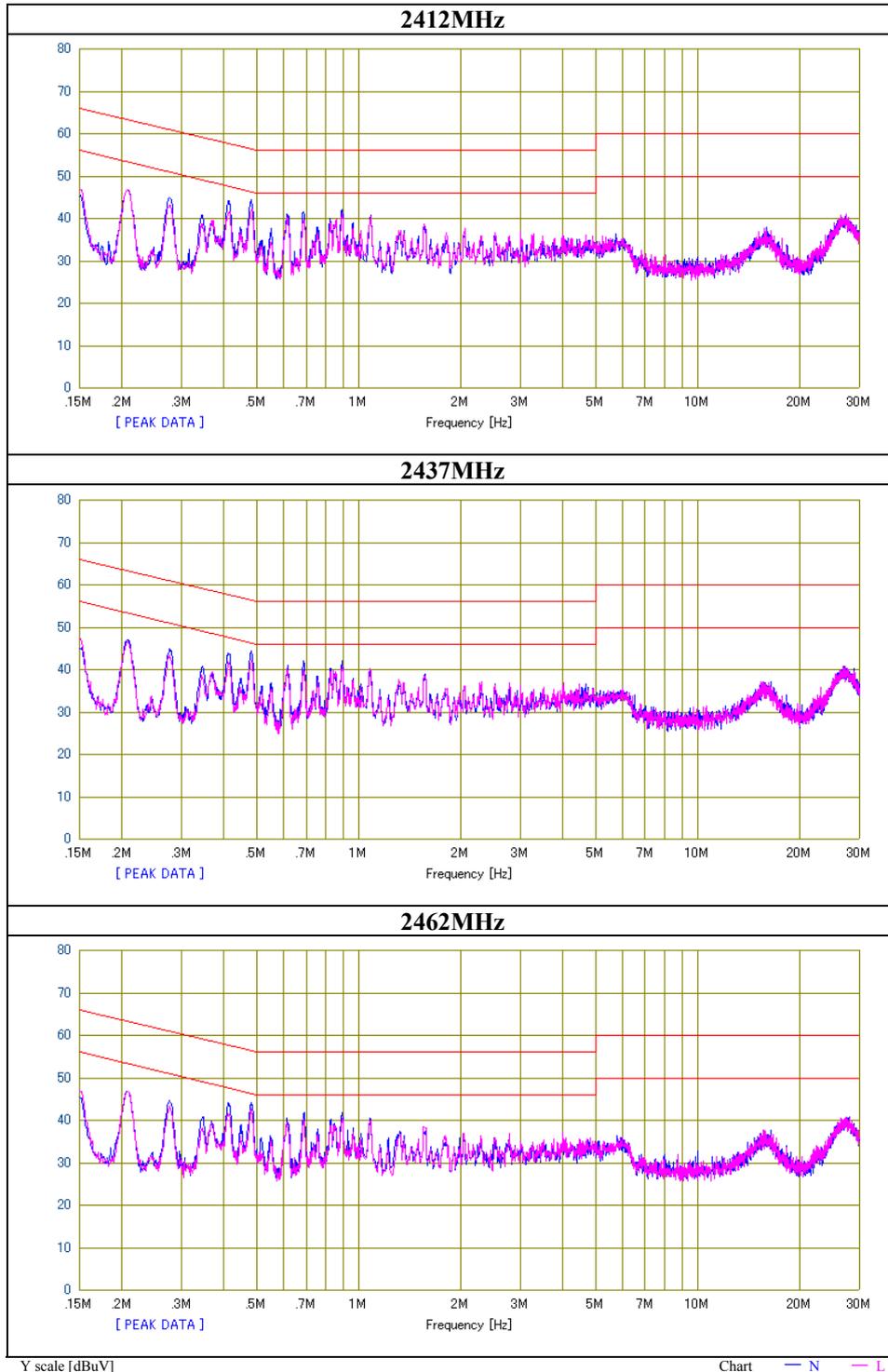


Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.20528	31.1	27.5	13.3	44.4	40.8	63.4	53.4	19.0	12.6	N	
0.41048	28.1	25.3	13.3	41.4	38.6	57.6	47.6	16.2	9.0	N	
0.47890	28.3	23.6	13.3	41.6	36.9	56.4	46.4	14.8	9.5	N	
0.68374	25.2	18.9	13.3	38.5	32.2	56.0	46.0	17.5	13.8	N	
0.88908	24.8	19.4	13.3	38.1	32.7	56.0	46.0	17.9	13.3	N	
27.21162	19.2	12.7	15.1	34.3	27.8	60.0	50.0	25.7	22.2	N	
0.20517	30.8	27.3	13.3	44.1	40.6	63.4	53.4	19.3	12.8	L	
0.41050	25.3	22.5	13.3	38.6	35.8	57.6	47.6	19.0	11.8	L	
0.47895	26.0	21.3	13.3	39.3	34.6	56.4	46.4	17.1	11.8	L	
0.68408	23.6	17.5	13.3	36.9	30.8	56.0	46.0	19.1	15.2	L	
0.88935	23.6	18.3	13.3	36.9	31.6	56.0	46.0	19.1	14.4	L	
26.99203	19.4	12.7	15.0	34.4	27.7	60.0	50.0	25.6	22.3	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.

Conducted Emission
(Power Supply: DELTA)

Test place : Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. : 30HE0264-HO-01
Date : 04/09/2010
Temperature/ Humidity : 24 deg.C./ 29%
Engineer : Satofumi Matsuyama
Mode : 11b Tx Ant1



Conducted Emission (Power Supply: DELTA)

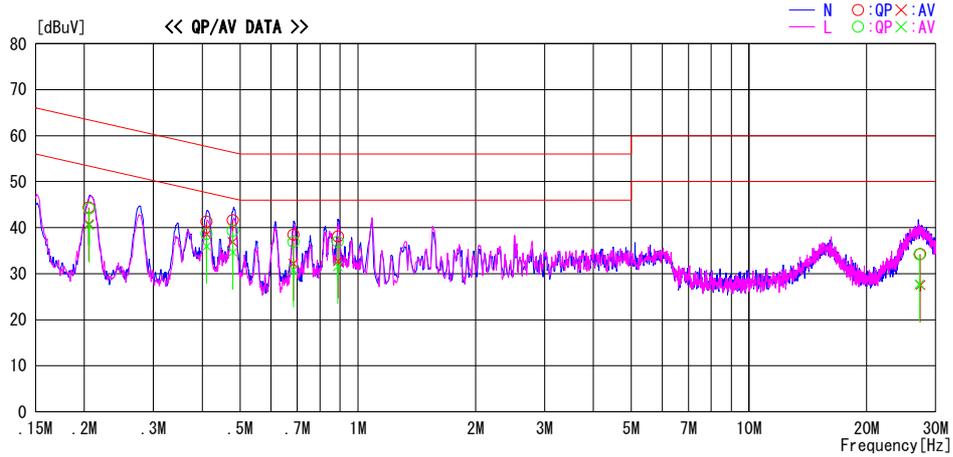
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11g Transmitting mode(Tx) 2437MHz, 24Mbps, Ant0

LIMIT : FCC15.207 QP
FCC15.207 AV

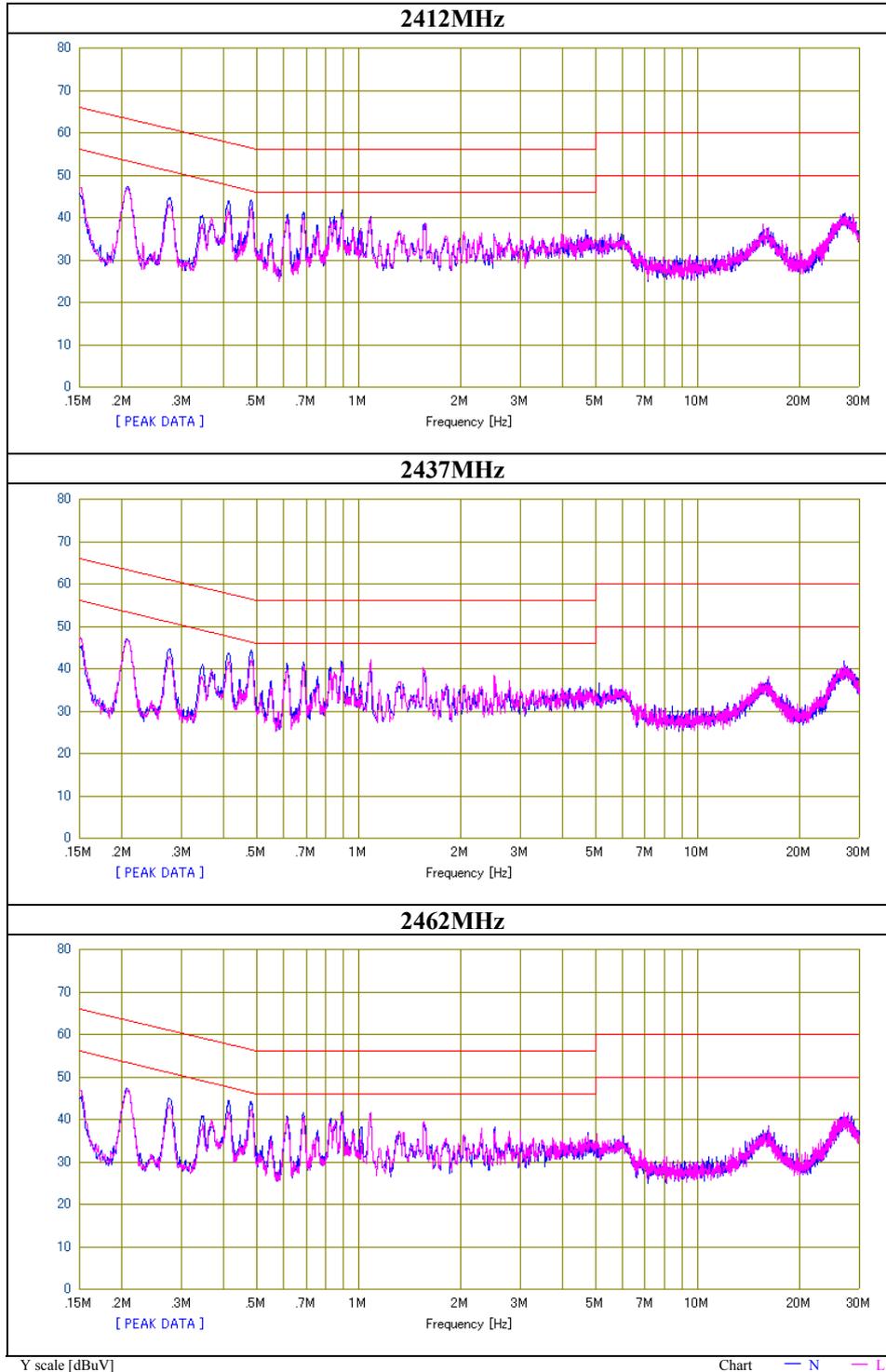


Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.20519	31.1	27.5	13.3	44.4	40.8	63.4	53.4	19.0	12.6	N	
0.41044	28.0	25.3	13.3	41.3	38.6	57.6	47.6	16.3	9.0	N	
0.47860	28.3	23.6	13.3	41.6	36.9	56.4	46.4	14.8	9.5	N	
0.68399	25.2	18.9	13.3	38.5	32.2	56.0	46.0	17.5	13.8	N	
0.88932	24.8	19.4	13.3	38.1	32.7	56.0	46.0	17.9	13.3	N	
27.41531	19.2	12.4	15.1	34.3	27.5	60.0	50.0	25.7	22.5	N	
0.20538	30.8	27.2	13.3	44.1	40.5	63.4	53.4	19.3	12.9	L	
0.41032	25.3	22.6	13.3	38.6	35.9	57.6	47.6	19.0	11.7	L	
0.47890	26.0	21.3	13.3	39.3	34.6	56.4	46.4	17.1	11.8	L	
0.68429	23.6	17.5	13.3	36.9	30.8	56.0	46.0	19.1	15.2	L	
0.88876	23.6	18.3	13.3	36.9	31.6	56.0	46.0	19.1	14.4	L	
27.26185	19.1	12.6	15.1	34.2	27.7	60.0	50.0	25.8	22.3	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.

Conducted Emission
(Power Supply: DELTA)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/09/2010
Temperature/ Humidity 24 deg.C./ 29%
Engineer Satofumi Matsuyama
Mode 11g Tx Ant0



Conducted Emission
(Power Supply: DELTA)

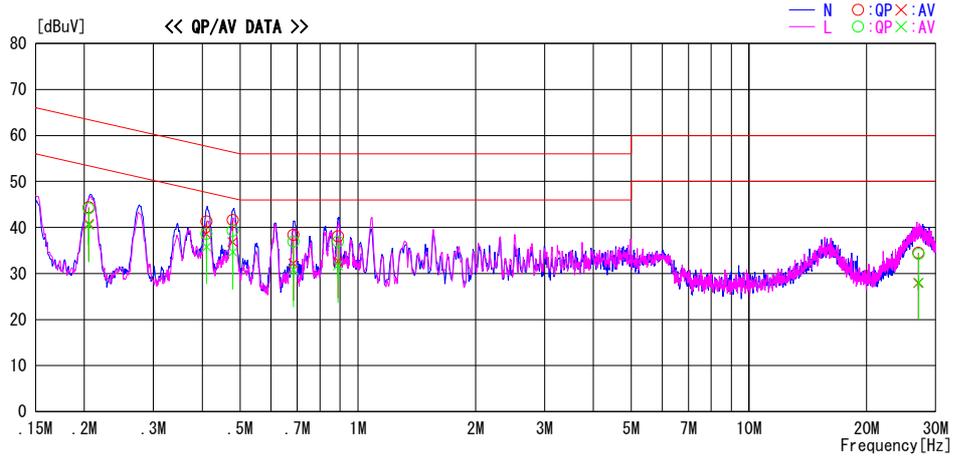
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11g Transmitting mode(Tx) 2437MHz, 24Mbps, Ant1

LIMIT : FCG15.207 QP
FCG15.207 AV

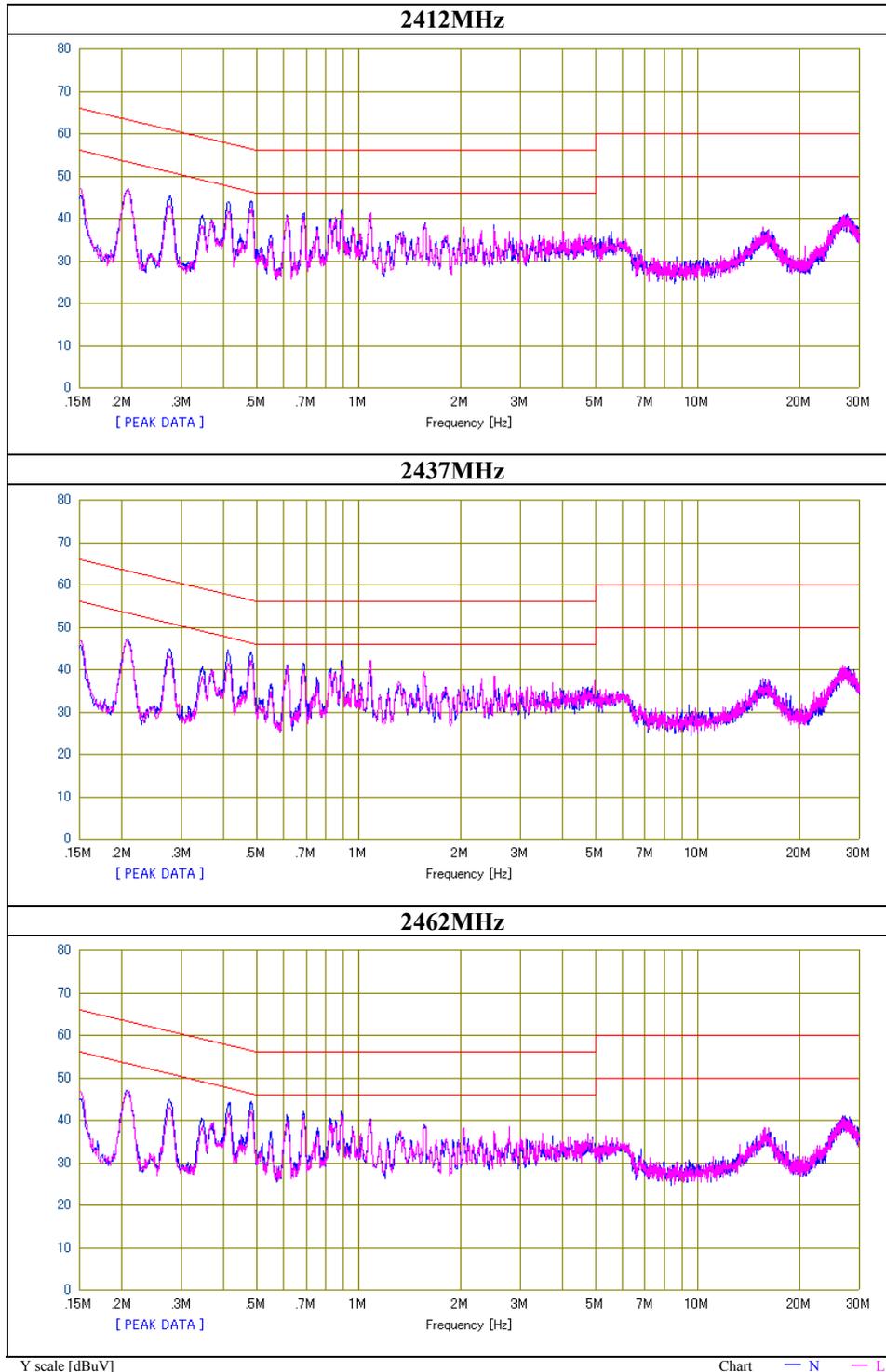


Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.20523	31.1	27.5	13.3	44.4	40.8	63.4	53.4	19.0	12.6	N	
0.41016	28.0	25.3	13.3	41.3	38.6	57.6	47.6	16.3	9.0	N	
0.47867	28.3	23.5	13.3	41.6	36.8	56.4	46.4	14.8	9.6	N	
0.68371	25.1	18.9	13.3	38.4	32.2	56.0	46.0	17.6	13.8	N	
0.88922	24.8	19.4	13.3	38.1	32.7	56.0	46.0	17.9	13.3	N	
27.06728	19.5	12.9	15.0	34.5	27.9	60.0	50.0	25.5	22.1	N	
0.20530	30.8	27.2	13.3	44.1	40.5	63.4	53.4	19.3	12.9	L	
0.41044	25.3	22.5	13.3	38.6	35.8	57.6	47.6	19.0	11.8	L	
0.47874	26.0	21.3	13.3	39.3	34.6	56.4	46.4	17.1	11.8	L	
0.68372	23.6	17.5	13.3	36.9	30.8	56.0	46.0	19.1	15.2	L	
0.88926	23.6	18.4	13.3	36.9	31.7	56.0	46.0	19.1	14.3	L	
27.15795	19.2	12.9	15.1	34.3	28.0	60.0	50.0	25.7	22.0	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.

Conducted Emission
(Power Supply: DELTA)

Test place : Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. : 30HE0264-HO-01
Date : 04/09/2010
Temperature/ Humidity : 24 deg.C./ 29%
Engineer : Satofumi Matsuyama
Mode : 11g Tx Ant1



Conducted Emission
(Power Supply: DELTA)

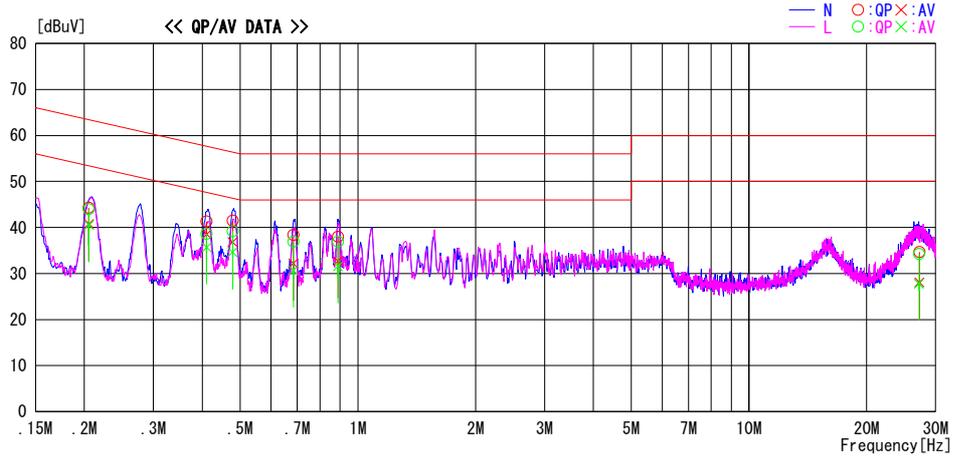
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11bg Receiving mode(Rx) 2437MHz, Ant0

LIMIT : FCG15.207 QP
FCG15.207 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]		
0.20535	31.0	27.5	13.3	44.3	40.8	63.4	53.4	19.1	12.6	N	
0.41027	28.0	25.2	13.3	41.3	38.5	57.6	47.6	16.3	9.1	N	
0.47856	28.2	23.5	13.3	41.5	36.8	56.4	46.4	14.9	9.6	N	
0.68382	25.1	18.9	13.3	38.4	32.2	56.0	46.0	17.6	13.8	N	
0.88906	24.7	19.4	13.3	38.0	32.7	56.0	46.0	18.0	13.3	N	
27.27220	19.6	13.0	15.1	34.7	28.1	60.0	50.0	25.3	21.9	N	
0.20516	30.7	27.2	13.3	44.0	40.5	63.4	53.4	19.4	12.9	L	
0.41044	25.3	22.4	13.3	38.6	35.7	57.6	47.6	19.0	11.9	L	
0.47864	25.9	21.3	13.3	39.2	34.6	56.4	46.4	17.2	11.8	L	
0.68374	23.6	17.4	13.3	36.9	30.7	56.0	46.0	19.1	15.3	L	
0.88920	23.6	18.3	13.3	36.9	31.6	56.0	46.0	19.1	14.4	L	
27.21183	19.2	12.7	15.1	34.3	27.8	60.0	50.0	25.7	22.2	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.

Conducted Emission
(Power Supply: DELTA)

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2010/04/09

Report No. : 30HE0264-HO-01
Temp./Humi. : 24deg. C / 29%
Engineer : Satofumi Matsuyama

Mode / Remarks : IEEE802.11bg Receiving mode (Rx) 2437MHz, Ant1

LIMIT : FCC15.207 QP
FCC15.207 AV

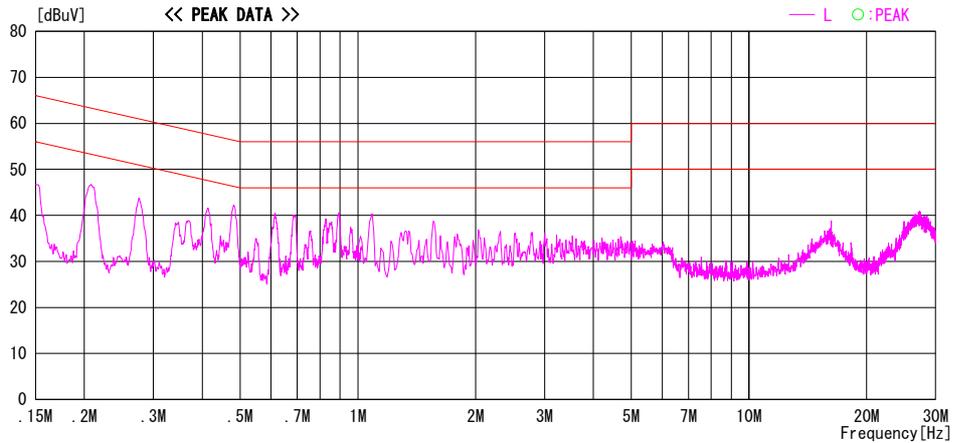
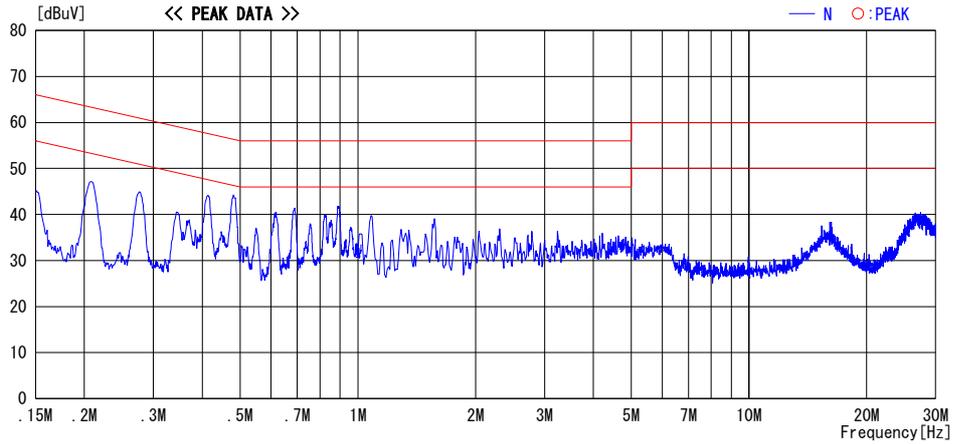
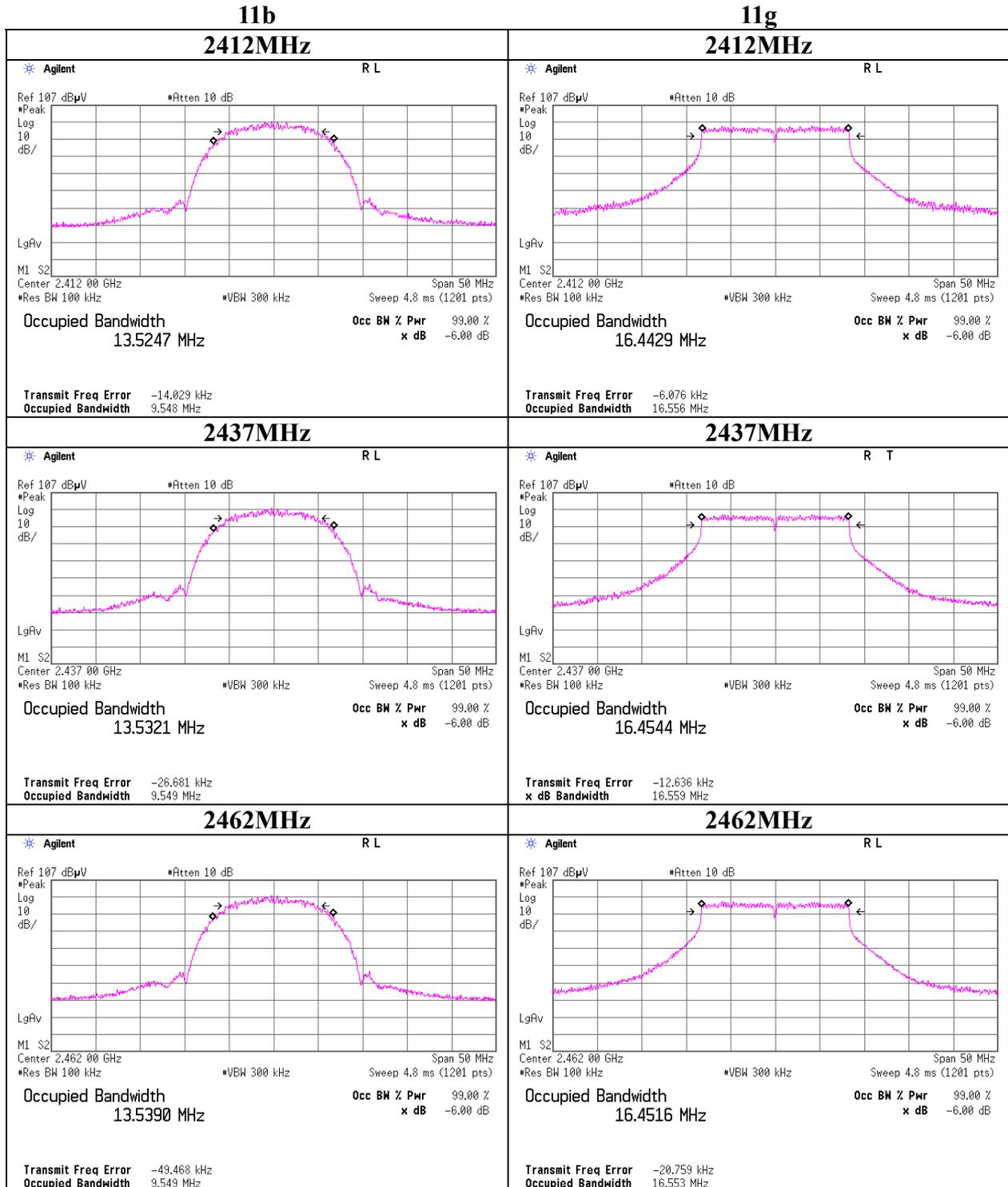


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (LISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

6dB Bandwidth



Maximum Peak Output Power
11g Tx

Test place : Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. : 30HE0264-HO-01
Date : 04/05/2010
Temperature/ Humidity : 24 deg.C/ 44%
Engineer : Takumi Shimada
Mode : 11g Tx

Antenna 0

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
2412	11.04	0.80	10.00	21.84	152.76	30.00	1000	8.16
2437	11.44	0.80	10.00	22.24	167.49	30.00	1000	7.76
2462	11.26	0.80	10.00	22.06	160.69	30.00	1000	7.94

Antenna 1

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
2412	10.77	0.80	10.00	21.57	143.55	30.00	1000	8.43
2437	11.43	0.80	10.00	22.23	167.11	30.00	1000	7.77
2462	11.26	0.80	10.00	22.06	160.69	30.00	1000	7.94

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator

Antenna 0, 2437MHz

Rate [Mbps]	Reading [dBm]	Remark
6	11.05	
9	10.72	
12	11.16	
18	10.21	
24	11.44	*
36	11.23	
48	10.63	
54	10.83	

Antenna 1, 2437MHz

Rate [Mbps]	Reading [dBm]	Remark
6	10.79	
9	10.84	
12	11.13	
18	10.07	
24	11.43	*
36	11.17	
48	10.35	
54	10.96	

*: Worst Rate

All comparison were carried out on same frequency and measurement factors.

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Takumi Shimada Takumi Shimada Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11b Tx 2412MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.869	QP	24.6	17.5	7.0	32.1	17.0	40.0	23.0	
Hori	99.625	QP	41.1	10.2	7.9	32.0	27.2	43.5	16.3	
Hori	374.980	QP	43.0	17.2	10.2	31.9	38.5	46.0	7.5	
Hori	406.731	QP	39.8	17.6	10.4	31.9	35.9	46.0	10.1	
Hori	576.011	QP	38.0	19.8	11.3	32.1	37.0	46.0	9.0	
Hori	749.974	QP	32.2	22.6	12.2	32.0	35.0	46.0	11.0	
Hori	1945.283	PK	72.4	25.9	2.7	32.4	68.6	73.9	5.3	
Hori	2390.000	PK	50.9	26.7	2.9	32.1	48.4	73.9	25.5	
Hori	2400.000	PK	51.9	26.7	2.9	32.1	49.4	73.9	24.6	
Hori	4824.000	PK	42.5	30.9	5.3	31.4	47.3	73.9	26.6	
Hori	7236.000	PK	43.3	35.9	5.7	32.3	52.6	73.9	21.3	
Hori	9648.000	PK	43.3	38.0	6.8	33.0	55.1	73.9	18.8	
Hori	24120.000	PK	48.3	38.2	-1.2	31.6	53.7	73.9	20.2	
Hori	1945.283	AV	40.9	25.9	2.7	32.4	37.1	53.9	16.8	
Hori	2390.000	AV	36.2	26.7	2.9	32.1	33.7	53.9	20.2	
Hori	2400.000	AV	40.1	26.7	2.9	32.1	37.6	53.9	16.3	
Hori	4824.000	AV	28.9	30.9	5.3	31.4	33.7	53.9	20.2	
Hori	7236.000	AV	29.8	35.9	5.7	32.3	39.1	53.9	14.8	
Hori	9648.000	AV	30.9	38.0	6.8	33.0	42.7	53.9	11.2	
Hori	24120.000	AV	35.4	38.2	-1.2	31.6	40.8	53.9	13.1	
Vert	31.164	QP	36.5	17.8	7.0	32.1	29.2	40.0	10.8	
Vert	99.116	QP	51.2	10.1	7.9	32.0	37.2	43.5	6.3	
Vert	374.980	QP	38.0	17.2	10.2	31.9	33.5	46.0	12.5	
Vert	406.436	QP	37.9	17.6	10.4	31.9	34.0	46.0	12.0	
Vert	576.007	QP	34.4	19.8	11.3	32.1	33.4	46.0	12.6	
Vert	749.976	QP	33.5	22.6	12.2	32.0	36.3	46.0	9.7	
Vert	1945.307	PK	69.0	25.9	2.7	32.4	65.2	73.9	8.7	
Vert	2390.000	PK	50.2	26.7	2.9	32.1	47.7	73.9	26.2	
Vert	2400.000	PK	54.0	26.7	2.9	32.1	51.5	73.9	22.4	
Vert	4824.000	PK	41.7	30.9	5.3	31.4	46.5	73.9	27.4	
Vert	7236.000	PK	42.1	35.9	5.7	32.3	51.4	73.9	22.5	
Vert	9648.000	PK	42.2	38.0	6.8	33.0	54.0	73.9	20.0	
Vert	24120.000	PK	48.2	38.2	-1.2	31.6	53.6	73.9	20.3	
Vert	1945.307	AV	38.0	25.9	2.7	32.4	34.2	53.9	19.7	
Vert	2390.000	AV	37.4	26.7	2.9	32.1	34.9	53.9	19.0	
Vert	2400.000	AV	42.3	26.7	2.9	32.1	39.8	53.9	14.1	
Vert	4824.000	AV	29.4	30.9	5.3	31.4	34.2	53.9	19.7	
Vert	7236.000	AV	29.9	35.9	5.7	32.3	39.2	53.9	14.7	
Vert	9648.000	AV	29.9	38.0	6.8	33.0	41.7	53.9	12.2	
Vert	24120.000	AV	35.4	38.2	-1.2	31.6	40.8	53.9	13.1	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Takumi Shimada Takumi Shimada Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11b Tx 2437MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.453	QP	24.8	17.7	7.0	32.1	17.4	40.0	22.6	
Hori	99.238	QP	41.3	10.1	7.9	32.0	27.3	43.5	16.2	
Hori	374.991	QP	44.4	17.2	10.2	31.9	39.9	46.0	6.1	
Hori	406.735	QP	39.9	17.6	10.4	31.9	36.0	46.0	10.0	
Hori	576.031	QP	37.7	19.8	11.3	32.1	36.7	46.0	9.3	
Hori	749.973	QP	32.7	22.6	12.2	32.0	35.5	46.0	10.5	
Hori	1947.483	PK	71.8	25.9	2.7	32.4	68.0	73.9	5.9	
Hori	4874.000	PK	41.2	31.0	5.3	31.4	46.1	73.9	27.8	
Hori	7311.000	PK	42.5	36.1	5.7	32.4	51.9	73.9	22.0	
Hori	9748.000	PK	42.1	38.1	6.9	33.0	54.1	73.9	19.8	
Hori	24370.000	PK	47.3	38.3	-1.1	31.6	52.9	73.9	21.0	
Hori	1947.483	AV	40.9	25.9	2.7	32.4	37.1	53.9	16.9	
Hori	4874.000	AV	29.8	31.0	5.3	31.4	34.7	53.9	19.2	
Hori	7311.000	AV	29.9	36.1	5.7	32.4	39.3	53.9	14.6	
Hori	9748.000	AV	29.7	38.1	6.9	33.0	41.7	53.9	12.2	
Hori	24370.000	AV	34.5	38.3	-1.1	31.6	40.1	53.9	13.8	
Vert	31.234	QP	36.2	17.8	7.0	32.1	28.9	40.0	11.1	
Vert	99.181	QP	50.9	10.1	7.9	32.0	36.9	43.5	6.6	
Vert	374.993	QP	38.5	17.2	10.2	31.9	34.0	46.0	12.0	
Vert	406.523	QP	38.3	17.6	10.4	31.9	34.4	46.0	11.6	
Vert	576.012	QP	34.5	19.8	11.3	32.1	33.5	46.0	12.5	
Vert	749.977	QP	33.8	22.6	12.2	32.0	36.6	46.0	9.4	
Vert	1944.582	PK	65.3	25.9	2.7	32.4	61.5	73.9	12.4	
Vert	4874.000	PK	42.0	31.0	5.3	31.4	46.9	73.9	27.1	
Vert	7311.000	PK	42.3	36.1	5.7	32.4	51.7	73.9	22.2	
Vert	9748.000	PK	42.8	38.1	6.9	33.0	54.8	73.9	19.1	
Vert	24370.000	PK	47.5	38.3	-1.1	31.6	53.1	73.9	20.8	
Vert	1944.582	AV	35.0	25.9	2.7	32.4	31.2	53.9	22.7	
Vert	4874.000	AV	29.8	31.0	5.3	31.4	34.7	53.9	19.2	
Vert	7311.000	AV	29.9	36.1	5.7	32.4	39.3	53.9	14.6	
Vert	9748.000	AV	29.7	38.1	6.9	33.0	41.7	53.9	12.2	
Vert	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Takumi Shimada Takumi Shimada Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11b Tx 2462MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.133	QP	25.1	17.8	7.0	32.1	17.8	40.0	22.2	
Hori	99.185	QP	41.8	10.1	7.9	32.0	27.8	43.5	15.7	
Hori	374.987	QP	44.1	17.2	10.2	31.9	39.6	46.0	6.4	
Hori	406.721	QP	39.1	17.6	10.4	31.9	35.2	46.0	10.8	
Hori	576.081	QP	36.9	19.8	11.3	32.1	35.9	46.0	10.1	
Hori	749.988	QP	31.6	22.6	12.2	32.0	34.4	46.0	11.6	
Hori	1946.133	PK	71.6	25.9	2.7	32.4	67.8	73.9	6.1	
Hori	2483.500	PK	51.5	26.9	2.9	32.1	49.2	73.9	24.7	
Hori	4934.000	PK	41.6	31.2	5.4	31.4	46.8	73.9	27.1	
Hori	7386.000	PK	42.1	36.2	5.7	32.4	51.6	73.9	22.4	
Hori	9848.000	PK	42.2	38.2	6.9	33.0	54.3	73.9	19.6	
Hori	24620.000	PK	47.9	38.4	-1.1	31.5	53.7	73.9	20.2	
Hori	1946.133	AV	40.3	25.9	2.7	32.4	36.5	53.9	17.4	
Hori	2483.500	AV	36.8	26.9	2.9	32.1	34.5	53.9	19.4	
Hori	4934.000	AV	29.1	31.2	5.4	31.4	34.3	53.9	19.6	
Hori	7386.000	AV	30.1	36.2	5.7	32.4	39.6	53.9	14.3	
Hori	9848.000	AV	30.0	38.2	6.9	33.0	42.1	53.9	11.8	
Hori	24620.000	AV	35.8	38.4	-1.1	31.5	41.6	53.9	12.3	
Vert	31.318	QP	35.9	17.7	7.0	32.1	28.5	40.0	11.5	
Vert	99.215	QP	51.1	10.1	7.9	32.0	37.1	43.5	6.4	
Vert	374.980	QP	38.1	17.2	10.2	31.9	33.6	46.0	12.4	
Vert	406.602	QP	38.7	17.6	10.4	31.9	34.8	46.0	11.2	
Vert	576.044	QP	34.9	19.8	11.3	32.1	33.9	46.0	12.1	
Vert	749.917	QP	34.2	22.6	12.2	32.0	37.0	46.0	9.0	
Vert	1944.867	PK	69.5	25.9	2.7	32.4	65.7	73.9	8.2	
Vert	2483.500	PK	49.9	26.9	2.9	32.1	47.6	73.9	26.3	
Vert	4924.000	PK	41.3	31.2	5.4	31.4	46.5	73.9	27.4	
Vert	7386.000	PK	43.5	36.2	5.7	32.4	53.0	73.9	20.9	
Vert	9848.000	PK	42.1	38.2	6.9	33.0	54.2	73.9	19.8	
Vert	24620.000	PK	47.8	38.4	-1.1	31.5	53.6	73.9	20.3	
Vert	1944.867	AV	37.9	25.9	2.7	32.4	34.1	53.9	19.8	
Vert	2483.500	AV	37.8	26.9	2.9	32.1	35.5	53.9	18.4	
Vert	4924.000	AV	29.4	31.2	5.4	31.4	34.6	53.9	19.4	
Vert	7386.000	AV	30.1	36.2	5.7	32.4	39.6	53.9	14.3	
Vert	9848.000	AV	30.1	38.2	6.9	33.0	42.2	53.9	11.7	
Vert	24620.000	AV	35.8	38.4	-1.1	31.5	41.6	53.9	12.3	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place : Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. : 30HE0264-HO-01
Date : 04/08/2010 04/05/2010 04/07/2010
Temperature/ Humidity : 23 deg.C./ 32% 24 deg.C./ 35% 21 deg.C./ 43%
Engineer : Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
Mode : (Below 1GHz) (1-10GHz) (Above 10GHz)
11b Tx 2437MHz Ant1

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.169	QP	24.6	17.8	7.0	32.1	17.3	40.0	22.7	
Hori	99.272	QP	41.3	10.1	7.9	32.0	27.3	43.5	16.2	
Hori	374.996	QP	45.9	17.2	10.2	31.9	41.4	46.0	4.6	
Hori	406.426	QP	39.9	17.6	10.4	31.9	36.0	46.0	10.0	
Hori	575.998	QP	38.6	19.8	11.3	32.1	37.6	46.0	8.4	
Hori	749.996	QP	34.4	22.6	12.2	32.0	37.2	46.0	8.8	
Hori	1942.333	PK	71.9	25.9	2.7	32.4	68.1	73.9	5.8	
Hori	4874.000	PK	45.0	31.0	5.3	31.4	49.9	73.9	24.0	
Hori	7311.000	PK	44.4	36.1	5.7	32.4	53.8	73.9	20.1	
Hori	9748.000	PK	44.3	38.1	6.9	33.0	56.3	73.9	17.6	
Hori	24370.000	PK	47.6	38.3	-1.1	31.6	53.2	73.9	20.7	
Hori	1942.333	AV	40.9	25.9	2.7	32.4	37.1	53.9	16.8	
Hori	4874.000	AV	31.5	31.0	5.3	31.4	36.4	53.9	17.5	
Hori	7311.000	AV	31.7	36.1	5.7	32.4	41.1	53.9	12.8	
Hori	9748.000	AV	31.6	38.1	6.9	33.0	43.6	53.9	10.3	
Hori	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	
Vert	31.556	QP	36.1	17.6	7.0	32.1	28.6	40.0	11.4	
Vert	98.949	QP	50.2	10.0	7.9	32.0	36.1	43.5	7.4	
Vert	374.995	QP	40.4	17.2	10.2	31.9	35.9	46.0	10.1	
Vert	406.427	QP	38.9	17.6	10.4	31.9	35.0	46.0	11.0	
Vert	576.001	QP	33.2	19.8	11.3	32.1	32.2	46.0	13.8	
Vert	749.997	QP	33.9	22.6	12.2	32.0	36.7	46.0	9.3	
Vert	1943.900	PK	69.1	25.9	2.7	32.4	65.3	73.9	8.6	
Vert	4874.000	PK	45.5	31.0	5.3	31.4	50.4	73.9	23.5	
Vert	7311.000	PK	43.7	36.1	5.7	32.4	53.1	73.9	20.8	
Vert	9748.000	PK	43.3	38.1	6.9	33.0	55.3	73.9	18.6	
Vert	24370.000	PK	47.5	38.3	-1.1	31.6	53.1	73.9	20.8	
Vert	1943.900	AV	39.5	25.9	2.7	32.4	35.7	53.9	18.2	
Vert	4874.000	AV	33.4	31.0	5.3	31.4	38.3	53.9	15.6	
Vert	7311.000	AV	31.6	36.1	5.7	32.4	41.0	53.9	12.9	
Vert	9748.000	AV	31.7	38.1	6.9	33.0	43.7	53.9	10.2	
Vert	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/05/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 24 deg.C./ 35% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11b Tx 2462MHz Ant1

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.187	QP	24.9	17.8	7.0	32.1	17.6	40.0	22.4	
Hori	99.464	QP	41.4	10.1	7.9	32.0	27.4	43.5	16.1	
Hori	374.994	QP	44.6	17.2	10.2	31.9	40.1	46.0	5.9	
Hori	406.430	QP	40.0	17.6	10.4	31.9	36.1	46.0	9.9	
Hori	575.999	QP	38.6	19.8	11.3	32.1	37.6	46.0	8.4	
Hori	749.990	QP	34.3	22.6	12.2	32.0	37.1	46.0	8.9	
Hori	1946.317	PK	72.6	25.9	2.7	32.4	68.8	73.9	5.1	
Hori	2483.500	PK	54.4	26.9	2.9	32.1	52.1	73.9	21.8	
Hori	4924.000	PK	44.0	31.2	5.4	31.4	49.2	73.9	24.7	
Hori	7386.000	PK	44.6	36.2	5.7	32.4	54.1	73.9	19.8	
Hori	9848.000	PK	44.0	38.2	6.9	33.0	56.1	73.9	17.8	
Hori	24620.000	PK	47.9	38.4	-1.1	31.5	53.7	73.9	20.2	
Hori	1942.333	AV	41.4	25.9	2.7	32.4	37.6	53.9	16.3	
Hori	2483.500	AV	41.9	26.9	2.9	32.1	39.6	53.9	14.3	
Hori	4924.000	AV	32.6	31.2	5.4	31.4	37.8	53.9	16.1	
Hori	7386.000	AV	31.9	36.2	5.7	32.4	41.4	53.9	12.5	
Hori	9848.000	AV	31.7	38.2	6.9	33.0	43.8	53.9	10.1	
Hori	24620.000	AV	35.8	38.4	-1.1	31.5	41.6	53.9	12.3	
Vert	31.571	QP	36.3	17.6	7.0	32.1	28.8	40.0	11.2	
Vert	99.439	QP	50.4	10.1	7.9	32.0	36.4	43.5	7.1	
Vert	375.004	QP	39.8	17.2	10.2	31.9	35.3	46.0	10.7	
Vert	406.433	QP	38.7	17.6	10.4	31.9	34.8	46.0	11.2	
Vert	576.002	QP	33.1	19.8	11.3	32.1	32.1	46.0	13.9	
Vert	749.991	QP	33.6	22.6	12.2	32.0	36.4	46.0	9.6	
Vert	1944.567	PK	68.9	25.9	2.7	32.4	65.1	73.9	8.8	
Vert	2483.500	PK	52.2	26.9	2.9	32.1	49.9	73.9	24.0	
Vert	4924.000	PK	46.2	31.2	5.4	31.4	51.4	73.9	22.5	
Vert	7386.000	PK	44.3	36.2	5.7	32.4	53.8	73.9	20.1	
Vert	9848.000	PK	43.5	38.2	6.9	33.0	55.6	73.9	18.3	
Vert	24620.000	PK	47.9	38.4	-1.1	31.5	53.7	73.9	20.2	
Vert	1944.567	AV	39.9	25.9	2.7	32.4	36.1	53.9	17.8	
Vert	2483.500	AV	39.9	26.9	2.9	32.1	37.6	53.9	16.3	
Vert	4924.000	AV	33.5	31.2	5.4	31.4	38.7	53.9	15.2	
Vert	7386.000	AV	31.9	36.2	5.7	32.4	41.4	53.9	12.5	
Vert	9848.000	AV	31.8	38.2	6.9	33.0	43.9	53.9	10.0	
Vert	24620.000	AV	35.8	38.4	-1.1	31.5	41.6	53.9	12.3	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11g Tx 2412MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.212	QP	24.8	17.8	7.0	32.1	17.5	40.0	22.5	
Hori	99.516	QP	41.4	10.2	7.9	32.0	27.5	43.5	16.0	
Hori	374.996	QP	46.1	17.2	10.2	31.9	41.6	46.0	4.4	
Hori	406.427	QP	40.0	17.6	10.4	31.9	36.1	46.0	9.9	
Hori	576.011	QP	38.6	19.8	11.3	32.1	37.6	46.0	8.4	
Hori	749.997	QP	34.4	22.6	12.2	32.0	37.2	46.0	8.8	
Hori	1942.283	PK	73.5	25.9	2.7	32.4	69.7	73.9	4.2	
Hori	2390.000	PK	57.1	26.7	2.9	32.1	54.6	73.9	19.3	
Hori	2400.000	PK	79.2	26.7	2.9	32.1	76.7	-	-	See 20dBc Data Sheet
Hori	4824.000	PK	42.1	30.9	5.3	31.4	46.9	73.9	27.0	
Hori	7236.000	PK	43.2	35.9	5.7	32.3	52.5	73.9	21.4	
Hori	9648.000	PK	44.3	38.0	6.8	33.0	56.1	73.9	17.8	
Hori	24120.000	PK	48.2	38.2	-1.2	31.6	53.6	73.9	20.3	
Hori	1942.283	AV	43.5	25.9	2.7	32.4	39.7	53.9	14.2	
Hori	2390.000	AV	42.7	26.7	2.9	32.1	40.2	53.9	13.7	
Hori	2400.000	AV	59.0	26.7	2.9	32.1	56.5	-	-	See 20dBc Data Sheet
Hori	4824.000	AV	30.5	30.9	5.3	31.4	35.3	53.9	18.6	
Hori	7236.000	AV	31.5	35.9	5.7	32.3	40.8	53.9	13.1	
Hori	9648.000	AV	31.5	38.0	6.8	33.0	43.3	53.9	10.6	
Hori	24120.000	AV	35.2	38.2	-1.2	31.6	40.6	53.9	13.3	
Vert	31.436	QP	36.8	17.7	7.0	32.1	29.4	40.0	10.6	
Vert	99.216	QP	50.5	10.1	7.9	32.0	36.5	43.5	7.0	
Vert	375.004	QP	39.3	17.2	10.2	31.9	34.8	46.0	11.2	
Vert	406.429	QP	38.7	17.6	10.4	31.9	34.8	46.0	11.2	
Vert	576.001	QP	33.2	19.8	11.3	32.1	32.2	46.0	13.8	
Vert	749.998	QP	34.1	22.6	12.2	32.0	36.9	46.0	9.1	
Vert	1944.583	PK	69.8	25.9	2.7	32.4	66.0	73.9	7.9	
Vert	2390.000	PK	56.8	26.7	2.9	32.1	54.3	73.9	19.6	
Vert	2400.000	PK	77.6	26.7	2.9	32.1	75.1	-	-	See 20dBc Data Sheet
Vert	4824.000	PK	42.8	30.9	5.3	31.4	47.6	73.9	26.3	
Vert	7236.000	PK	44.5	35.9	5.7	32.3	53.8	73.9	20.1	
Vert	9648.000	PK	43.6	38.0	6.8	33.0	55.4	73.9	18.5	
Vert	24120.000	PK	48.2	38.2	-1.2	31.6	53.6	73.9	20.3	
Vert	1944.583	AV	41.3	25.9	2.7	32.4	37.5	53.9	16.4	
Vert	2390.000	AV	42.7	26.7	2.9	32.1	40.2	53.9	13.7	
Vert	2400.000	AV	58.9	26.7	2.9	32.1	56.4	-	-	See 20dBc Data Sheet
Vert	4824.000	AV	30.6	30.9	5.3	31.4	35.4	53.9	18.5	
Vert	7236.000	AV	31.5	35.9	5.7	32.3	40.8	53.9	13.1	
Vert	9648.000	AV	31.5	38.0	6.8	33.0	43.3	53.9	10.6	
Vert	24120.000	AV	35.3	38.2	-1.2	31.6	40.7	53.9	13.2	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Takumi Shimada Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11g Tx 2437MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.227	QP	24.6	17.8	7.0	32.1	17.3	40.0	22.7	
Hori	99.485	QP	41.4	10.1	7.9	32.0	27.4	43.5	16.1	
Hori	374.997	QP	46.2	17.2	10.2	31.9	41.7	46.0	4.3	
Hori	406.429	QP	40.1	17.6	10.4	31.9	36.2	46.0	9.8	
Hori	576.001	QP	38.7	19.8	11.3	32.1	37.7	46.0	8.3	
Hori	749.998	QP	34.5	22.6	12.2	32.0	37.3	46.0	8.7	
Hori	1946.292	PK	71.0	25.9	2.7	32.4	67.2	73.9	6.7	
Hori	4874.000	PK	41.7	31.0	5.3	31.4	46.6	73.9	27.3	
Hori	7311.000	PK	42.2	36.1	5.7	32.4	51.6	73.9	22.3	
Hori	9748.000	PK	42.0	38.1	6.9	33.0	54.0	73.9	19.9	
Hori	24370.000	PK	47.2	38.3	-1.1	31.6	52.8	73.9	21.1	
Hori	1946.292	AV	40.1	25.9	2.7	32.4	36.3	53.9	17.7	
Hori	4874.000	AV	29.2	31.0	5.3	31.4	34.1	53.9	19.8	
Hori	7311.000	AV	30.1	36.1	5.7	32.4	39.5	53.9	14.4	
Hori	9748.000	AV	29.9	38.1	6.9	33.0	41.9	53.9	12.0	
Hori	24370.000	AV	34.5	38.3	-1.1	31.6	40.1	53.9	13.8	
Vert	31.429	QP	36.6	17.7	7.0	32.1	29.2	40.0	10.8	
Vert	99.372	QP	50.2	10.1	7.9	32.0	36.2	43.5	7.3	
Vert	375.001	QP	39.5	17.2	10.2	31.9	35.0	46.0	11.0	
Vert	406.423	QP	38.5	17.6	10.4	31.9	34.6	46.0	11.4	
Vert	576.003	QP	33.4	19.8	11.3	32.1	32.4	46.0	13.6	
Vert	749.999	QP	34.2	22.6	12.2	32.0	37.0	46.0	9.0	
Vert	1946.467	PK	69.0	25.9	2.7	32.4	65.2	73.9	8.7	
Vert	4874.000	PK	42.0	31.0	5.3	31.4	46.9	73.9	27.0	
Vert	7311.000	PK	42.5	36.1	5.7	32.4	51.9	73.9	22.0	
Vert	9748.000	PK	42.1	38.1	6.9	33.0	54.1	73.9	19.8	
Vert	24370.000	PK	47.4	38.3	-1.1	31.6	53.0	73.9	20.9	
Vert	1946.467	AV	37.5	25.9	2.7	32.4	33.7	53.9	20.2	
Vert	4874.000	AV	30.1	31.0	5.3	31.4	35.0	53.9	18.9	
Vert	7311.000	AV	30.1	36.1	5.7	32.4	39.5	53.9	14.4	
Vert	9748.000	AV	29.9	38.1	6.9	33.0	41.9	53.9	12.0	
Vert	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11g Tx 2462MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.312	QP	24.6	17.7	7.0	32.1	17.2	40.0	22.8	
Hori	99.515	QP	41.3	10.2	7.9	32.0	27.4	43.5	16.1	
Hori	375.001	QP	46.1	17.2	10.2	31.9	41.6	46.0	4.4	
Hori	406.433	QP	40.1	17.6	10.4	31.9	36.2	46.0	9.8	
Hori	575.998	QP	38.5	19.8	11.3	32.1	37.5	46.0	8.5	
Hori	749.999	QP	34.3	22.6	12.2	32.0	37.1	46.0	8.9	
Hori	1947.450	PK	73.6	25.9	2.7	32.4	69.8	73.9	4.1	
Hori	2483.500	PK	61.7	26.9	2.9	32.1	59.4	73.9	14.5	
Hori	4934.000	PK	43.0	31.2	5.4	31.4	48.2	73.9	25.7	
Hori	7386.000	PK	43.3	36.2	5.7	32.4	52.8	73.9	21.1	
Hori	9848.000	PK	43.4	38.2	6.9	33.0	55.5	73.9	18.4	
Hori	24620.000	PK	47.5	38.4	-1.1	31.5	53.3	73.9	20.6	
Hori	1947.450	AV	43.0	25.9	2.7	32.4	39.2	53.9	14.7	
Hori	2483.500	AV	43.0	26.9	2.9	32.1	40.7	53.9	13.2	
Hori	4934.000	AV	30.6	31.2	5.4	31.4	35.8	53.9	18.1	
Hori	7386.000	AV	31.8	36.2	5.7	32.4	41.3	53.9	12.6	
Hori	9848.000	AV	31.7	38.2	6.9	33.0	43.8	53.9	10.1	
Hori	24620.000	AV	35.9	38.4	-1.1	31.5	41.7	53.9	12.2	
Vert	31.429	QP	36.5	17.7	7.0	32.1	29.1	40.0	10.9	
Vert	99.437	QP	50.3	10.1	7.9	32.0	36.3	43.5	7.2	
Vert	375.003	QP	39.7	17.2	10.2	31.9	35.2	46.0	10.8	
Vert	406.425	QP	38.8	17.6	10.4	31.9	34.9	46.0	11.1	
Vert	576.001	QP	33.1	19.8	11.3	32.1	32.1	46.0	13.9	
Vert	749.998	QP	34.2	22.6	12.2	32.0	37.0	46.0	9.0	
Vert	1944.917	PK	70.0	25.9	2.7	32.4	66.2	73.9	7.7	
Vert	2483.500	PK	62.3	26.9	2.9	32.1	60.0	73.9	13.9	
Vert	4924.000	PK	42.6	31.2	5.4	31.4	47.8	73.9	26.1	
Vert	7386.000	PK	44.7	36.2	5.7	32.4	54.2	73.9	19.7	
Vert	9848.000	PK	43.8	38.2	6.9	33.0	55.9	73.9	18.0	
Vert	24620.000	PK	47.7	38.4	-1.1	31.5	53.5	73.9	20.4	
Vert	1944.917	AV	40.5	25.9	2.7	32.4	36.7	53.9	17.2	
Vert	2483.500	AV	44.2	26.9	2.9	32.1	41.9	53.9	12.0	
Vert	4924.000	AV	30.6	31.2	5.4	31.4	35.8	53.9	18.1	
Vert	7386.000	AV	31.8	36.2	5.7	32.4	41.3	53.9	12.6	
Vert	9848.000	AV	31.7	38.2	6.9	33.0	43.8	53.9	10.1	
Vert	24620.000	AV	35.8	38.4	-1.1	31.5	41.6	53.9	12.3	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11g Tx 2437MHz Ant1

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.230	QP	24.7	17.8	7.0	32.1	17.4	40.0	22.6	
Hori	99.448	QP	41.4	10.1	7.9	32.0	27.4	43.5	16.1	
Hori	374.996	QP	46.0	17.2	10.2	31.9	41.5	46.0	4.5	
Hori	406.423	QP	40.1	17.6	10.4	31.9	36.2	46.0	9.8	
Hori	576.002	QP	38.7	19.8	11.3	32.1	37.7	46.0	8.3	
Hori	749.996	QP	34.5	22.6	12.2	32.0	37.3	46.0	8.7	
Hori	1946.501	PK	73.6	25.9	2.7	32.4	69.8	73.9	4.1	
Hori	4874.000	PK	42.8	31.0	5.3	31.4	47.7	73.9	26.2	
Hori	7311.000	PK	43.0	36.1	5.7	32.4	52.4	73.9	21.5	
Hori	9748.000	PK	42.7	38.1	6.9	33.0	54.7	73.9	19.2	
Hori	24370.000	PK	47.2	38.3	-1.1	31.6	52.8	73.9	21.1	
Hori	1946.501	AV	41.9	25.9	2.7	32.4	38.1	53.9	15.8	
Hori	4874.000	AV	30.9	31.0	5.3	31.4	35.8	53.9	18.1	
Hori	7311.000	AV	31.5	36.1	5.7	32.4	40.9	53.9	13.0	
Hori	9748.000	AV	31.3	38.1	6.9	33.0	43.3	53.9	10.6	
Hori	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	
Vert	31.425	QP	36.5	17.7	7.0	32.1	29.1	40.0	10.9	
Vert	99.344	QP	50.4	10.1	7.9	32.0	36.4	43.5	7.1	
Vert	375.001	QP	39.4	17.2	10.2	31.9	34.9	46.0	11.1	
Vert	406.435	QP	38.6	17.6	10.4	31.9	34.7	46.0	11.3	
Vert	575.999	QP	33.3	19.8	11.3	32.1	32.3	46.0	13.7	
Vert	749.996	QP	34.0	22.6	12.2	32.0	36.8	46.0	9.2	
Vert	1948.550	PK	71.3	25.9	2.7	32.4	67.5	73.9	6.4	
Vert	4874.000	PK	42.2	31.0	5.3	31.4	47.1	73.9	26.8	
Vert	7311.000	PK	43.2	36.1	5.7	32.4	52.6	73.9	21.3	
Vert	9748.000	PK	42.7	38.1	6.9	33.0	54.7	73.9	19.2	
Vert	24370.000	PK	47.3	38.3	-1.1	31.6	52.9	73.9	21.0	
Vert	1948.550	AV	41.6	25.9	2.7	32.4	37.8	53.9	16.1	
Vert	4874.000	AV	30.9	31.0	5.3	31.4	35.8	53.9	18.1	
Vert	7311.000	AV	31.6	36.1	5.7	32.4	41.0	53.9	12.9	
Vert	9748.000	AV	31.3	38.1	6.9	33.0	43.3	53.9	10.6	
Vert	24370.000	AV	34.6	38.3	-1.1	31.6	40.2	53.9	13.7	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010 04/07/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41% 21 deg.C./ 43%
Engineer Satofumi Matsuyama Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz) (Above 10GHz)
Mode 11g Tx 2462MHz Ant1

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.192	QP	24.6	17.8	7.0	32.1	17.3	40.0	22.7	
Hori	99.345	QP	41.3	10.1	7.9	32.0	27.3	43.5	16.2	
Hori	374.999	QP	45.9	17.2	10.2	31.9	41.4	46.0	4.6	
Hori	406.422	QP	39.9	17.6	10.4	31.9	36.0	46.0	10.0	
Hori	576.001	QP	38.8	19.8	11.3	32.1	37.8	46.0	8.2	
Hori	749.999	QP	34.3	22.6	12.2	32.0	37.1	46.0	8.9	
Hori	1946.317	PK	74.2	25.9	2.7	32.4	70.4	73.9	3.5	
Hori	2483.500	PK	64.5	26.9	2.9	32.1	62.2	73.9	11.7	
Hori	4924.000	PK	42.0	31.2	5.4	31.4	47.2	73.9	26.7	
Hori	7386.000	PK	42.9	36.2	5.7	32.4	52.4	73.9	21.5	
Hori	9848.000	PK	42.7	38.2	6.9	33.0	54.8	73.9	19.1	
Hori	24620.000	PK	47.4	38.4	-1.1	31.5	53.2	73.9	20.7	
Hori	1942.333	AV	44.7	25.9	2.7	32.4	40.9	53.9	13.0	
Hori	2483.500	AV	47.4	26.9	2.9	32.1	45.1	53.9	8.8	
Hori	4924.000	AV	30.7	31.2	5.4	31.4	35.9	53.9	18.0	
Hori	7386.000	AV	31.7	36.2	5.7	32.4	41.2	53.9	12.7	
Hori	9848.000	AV	31.2	38.2	6.9	33.0	43.3	53.9	10.6	
Hori	24620.000	AV	35.9	38.4	-1.1	31.5	41.7	53.9	12.2	
Vert	31.314	QP	36.4	17.7	7.0	32.1	29.0	40.0	11.0	
Vert	99.234	QP	50.4	10.1	7.9	32.0	36.4	43.5	7.1	
Vert	374.998	QP	38.4	17.2	10.2	31.9	33.9	46.0	12.1	
Vert	406.431	QP	38.5	17.6	10.4	31.9	34.6	46.0	11.4	
Vert	575.998	QP	33.1	19.8	11.3	32.1	32.1	46.0	13.9	
Vert	749.995	QP	33.9	22.6	12.2	32.0	36.7	46.0	9.3	
Vert	1944.550	PK	71.2	25.9	2.7	32.4	67.4	73.9	6.5	
Vert	2483.500	PK	60.2	26.9	2.9	32.1	57.9	73.9	16.0	
Vert	4924.000	PK	43.2	31.2	5.4	31.4	48.4	73.9	25.5	
Vert	7386.000	PK	43.8	36.2	5.7	32.4	53.3	73.9	20.6	
Vert	9848.000	PK	42.5	38.2	6.9	33.0	54.6	73.9	19.3	
Vert	24620.000	PK	47.8	38.4	-1.1	31.5	53.6	73.9	20.4	
Vert	1944.550	AV	41.7	25.9	2.7	32.4	37.9	53.9	16.0	
Vert	2483.500	AV	42.5	26.9	2.9	32.1	40.2	53.9	13.7	
Vert	4924.000	AV	30.7	31.2	5.4	31.4	35.9	53.9	18.0	
Vert	7386.000	AV	31.7	36.2	5.7	32.4	41.2	53.9	12.7	
Vert	9848.000	AV	31.2	38.2	6.9	33.0	43.3	53.9	10.6	
Vert	24620.000	AV	35.9	38.4	-1.1	31.5	41.7	53.9	12.2	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41%
Engineer Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz)
Mode 11b/g Rx 2437MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.184	QP	24.8	17.8	7.0	32.1	17.5	40.0	22.5	
Hori	99.880	QP	41.4	10.2	7.9	32.0	27.5	43.5	16.0	
Hori	374.996	QP	44.1	17.2	10.2	31.9	39.6	46.0	6.4	
Hori	406.418	QP	39.8	17.6	10.4	31.9	35.9	46.0	10.1	
Hori	576.010	QP	38.5	19.8	11.3	32.1	37.5	46.0	8.5	
Hori	749.993	QP	30.1	22.6	12.2	32.0	32.9	46.0	13.1	
Hori	1946.617	PK	72.1	25.9	2.7	32.4	68.3	73.9	5.6	
Hori	2437.000	PK	42.0	26.8	2.9	32.1	39.6	73.9	34.3	
Hori	1946.617	AV	42.6	25.9	2.7	32.4	38.8	53.9	15.1	
Hori	2437.000	AV	29.9	26.8	2.9	32.1	27.5	53.9	26.4	
Vert	31.352	QP	36.2	17.7	7.0	32.1	28.8	40.0	11.2	
Vert	99.528	QP	51.1	10.2	7.9	32.0	37.2	43.5	6.3	
Vert	374.995	QP	43.8	17.2	10.2	31.9	39.3	46.0	6.7	
Vert	406.435	QP	38.3	17.6	10.4	31.9	34.4	46.0	11.6	
Vert	576.001	QP	32.0	19.8	11.3	32.1	31.0	46.0	15.0	
Vert	749.995	QP	34.4	22.6	12.2	32.0	37.2	46.0	8.8	
Vert	1946.283	PK	67.7	25.9	2.7	32.4	63.9	73.9	10.0	
Vert	2437.000	PK	43.7	26.8	2.9	32.1	41.3	73.9	32.6	
Vert	1946.283	AV	37.7	25.9	2.7	32.4	33.9	53.9	20.0	
Vert	2437.000	AV	30.2	26.8	2.9	32.1	27.8	53.9	26.1	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
(Power Supply: SONY)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. 30HE0264-HO-01
Date 04/08/2010 04/06/2010
Temperature/ Humidity 23 deg.C./ 32% 22 deg.C./ 41%
Engineer Satofumi Matsuyama Takumi Shimada
(Below 1GHz) (1-10GHz)
Mode 11b/g Rx 2437MHz Ant1

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.312	QP	24.9	17.7	7.0	32.1	17.5	40.0	22.5	
Hori	99.880	QP	41.3	10.2	7.9	32.0	27.4	43.5	16.1	
Hori	374.997	QP	45.3	17.2	10.2	31.9	40.8	46.0	5.2	
Hori	406.417	QP	39.4	17.6	10.4	31.9	35.5	46.0	10.5	
Hori	576.017	QP	38.6	19.8	11.3	32.1	37.6	46.0	8.4	
Hori	749.989	QP	35.5	22.6	12.2	32.0	38.3	46.0	7.7	
Hori	1946.567	PK	71.5	25.9	2.7	32.4	67.7	73.9	6.2	
Hori	2437.000	PK	42.7	26.8	2.9	32.1	40.3	73.9	33.6	
Hori	1946.567	AV	43.3	25.9	2.7	32.4	39.5	53.9	14.4	
Hori	2437.000	AV	30.4	26.8	2.9	32.1	28.0	53.9	26.0	
Vert	31.476	QP	35.9	17.7	7.0	32.1	28.5	40.0	11.5	
Vert	99.437	QP	50.6	10.1	7.9	32.0	36.6	43.5	6.9	
Vert	375.006	QP	43.3	17.2	10.2	31.9	38.8	46.0	7.2	
Vert	406.432	QP	38.5	17.6	10.4	31.9	34.6	46.0	11.4	
Vert	576.001	QP	33.0	19.8	11.3	32.1	32.0	46.0	14.0	
Vert	750.004	QP	34.8	22.6	12.2	32.0	37.6	46.0	8.4	
Vert	1945.342	PK	68.0	25.9	2.7	32.4	64.2	73.9	9.7	
Vert	2437.000	PK	43.3	26.8	2.9	32.1	40.9	73.9	33.1	
Vert	1945.342	AV	37.4	25.9	2.7	32.4	33.6	53.9	20.4	
Vert	2437.000	AV	30.2	26.8	2.9	32.1	27.8	53.9	26.2	

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

Radiated Spurious Emission
Reference Data
(Power Supply: DELTA)

Test place : Head Office EMC Lab. No.4 Semi Anechoic Chamber
Report No. : 30HE0264-HO-01
Date : 04/09/2010
Temperature/ Humidity : 22 deg.C./ 41%
Engineer : Takumi Shimada
Mode : 11b Tx 2437MHz Ant0

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori	31.004	QP	28.2	17.8	7.0	32.1	20.9	40.0	19.1	
Hori	98.448	QP	37.7	9.9	7.9	32.0	23.5	43.5	20.0	
Hori	250.002	QP	38.2	17.4	9.3	31.9	33.0	46.0	13.0	
Hori	375.002	QP	45.8	17.2	10.2	31.9	41.3	46.0	4.7	
Hori	500.003	QP	35.8	19.1	10.9	32.0	33.8	46.0	12.2	
Hori	576.005	QP	37.6	19.8	11.3	32.1	36.6	46.0	9.4	
Hori	1945.683	PK	64.6	25.9	2.7	32.4	60.8	73.9	13.1	
Hori	4874.000	PK	42.1	31.0	5.3	31.4	47.0	73.9	26.9	
Hori	7311.000	PK	43.1	36.1	5.7	32.4	52.5	73.9	21.4	
Hori	9748.000	PK	41.9	38.1	6.9	33.0	53.9	73.9	20.0	
Hori	24370.000	PK	47.2	38.3	-1.1	31.6	52.8	73.9	21.1	
Hori	1945.683	AV	36.7	25.9	2.7	32.4	32.9	53.9	21.0	
Hori	4874.000	AV	28.8	31.0	5.3	31.4	33.7	53.9	20.2	
Hori	7311.000	AV	30.0	36.1	5.7	32.4	39.4	53.9	14.5	
Hori	9748.000	AV	30.0	38.1	6.9	33.0	42.0	53.9	11.9	
Hori	24370.000	AV	34.4	38.3	-1.1	31.6	40.0	53.9	13.9	
Vert	30.810	QP	42.6	17.9	7.0	32.1	35.4	40.0	4.6	
Vert	97.920	QP	49.2	9.8	7.9	32.0	34.9	43.5	8.6	
Vert	250.002	QP	32.9	17.4	9.3	31.9	27.7	46.0	18.3	
Vert	375.002	QP	37.1	17.2	10.2	31.9	32.6	46.0	13.4	
Vert	500.003	QP	34.1	19.1	10.9	32.0	32.1	46.0	13.9	
Vert	576.005	QP	33.0	19.8	11.3	32.1	32.0	46.0	14.0	
Vert	1945.817	PK	68.9	25.9	2.7	32.4	65.1	73.9	8.8	
Vert	4874.000	PK	41.9	31.0	5.3	31.4	46.8	73.9	27.1	
Vert	7311.000	PK	42.6	36.1	5.7	32.4	52.0	73.9	21.9	
Vert	9748.000	PK	42.2	38.1	6.9	33.0	54.2	73.9	19.7	
Vert	24370.000	PK	47.0	38.3	-1.1	31.6	52.6	73.9	21.3	
Vert	1945.817	AV	37.6	25.9	2.7	32.4	33.8	53.9	20.1	
Vert	4874.000	AV	28.7	31.0	5.3	31.4	33.6	53.9	20.3	
Vert	7311.000	AV	30.0	36.1	5.7	32.4	39.4	53.9	14.5	
Vert	9748.000	AV	30.1	38.1	6.9	33.0	42.1	53.9	11.9	
Vert	24370.000	AV	34.2	38.3	-1.1	31.6	39.8	53.9	14.1	

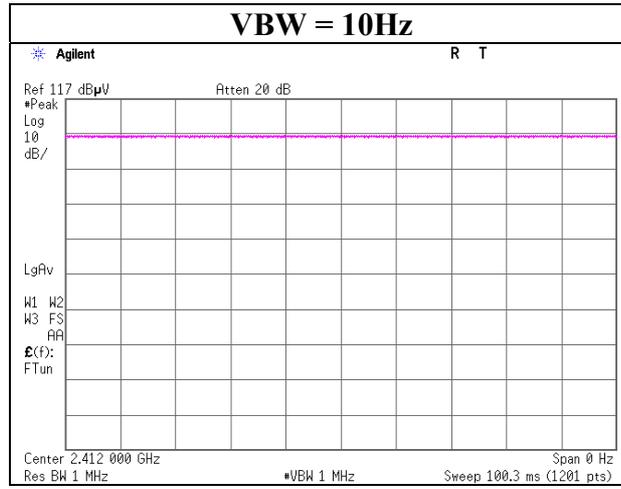
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

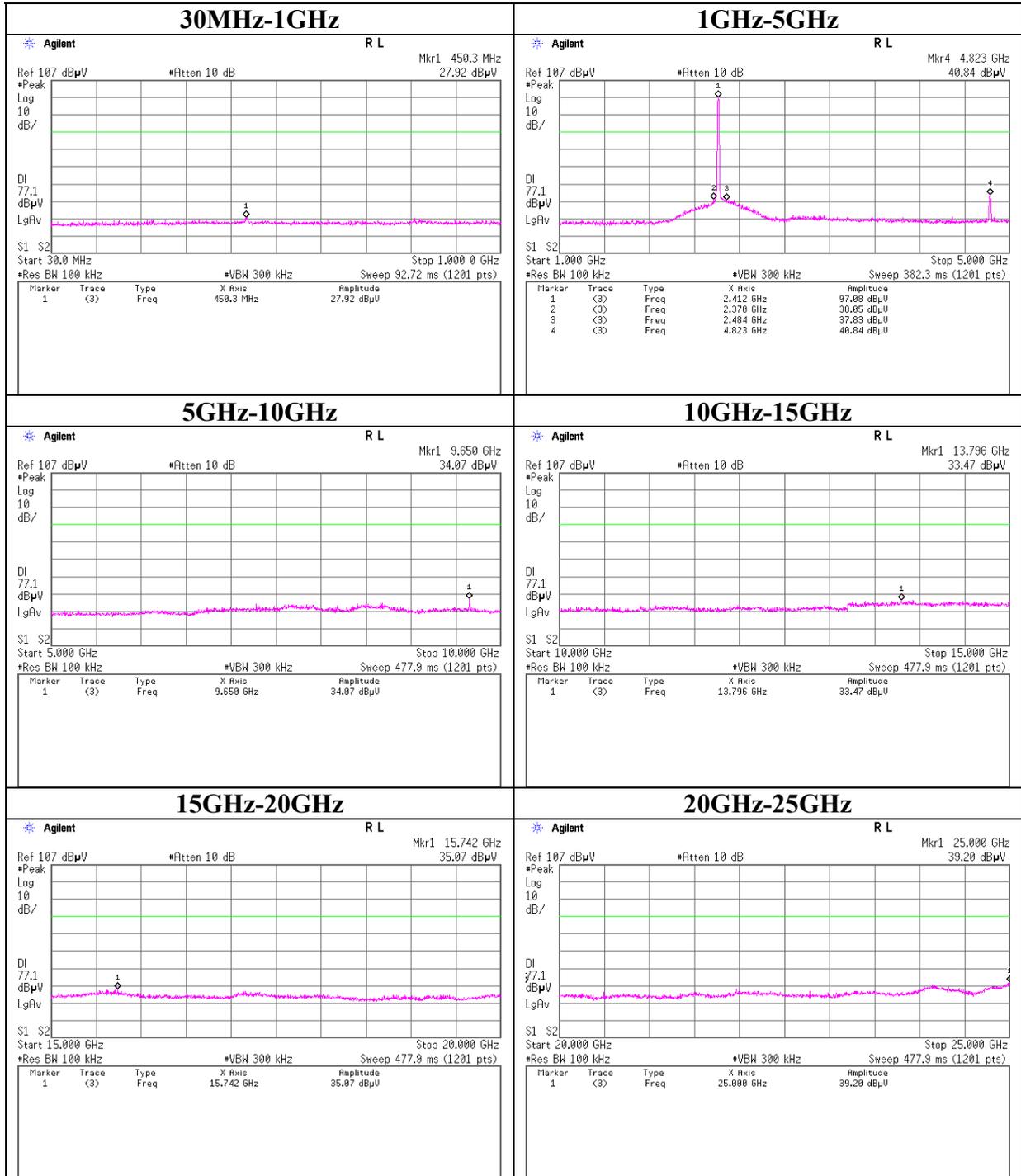
Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB

VBW (AV) Calculation



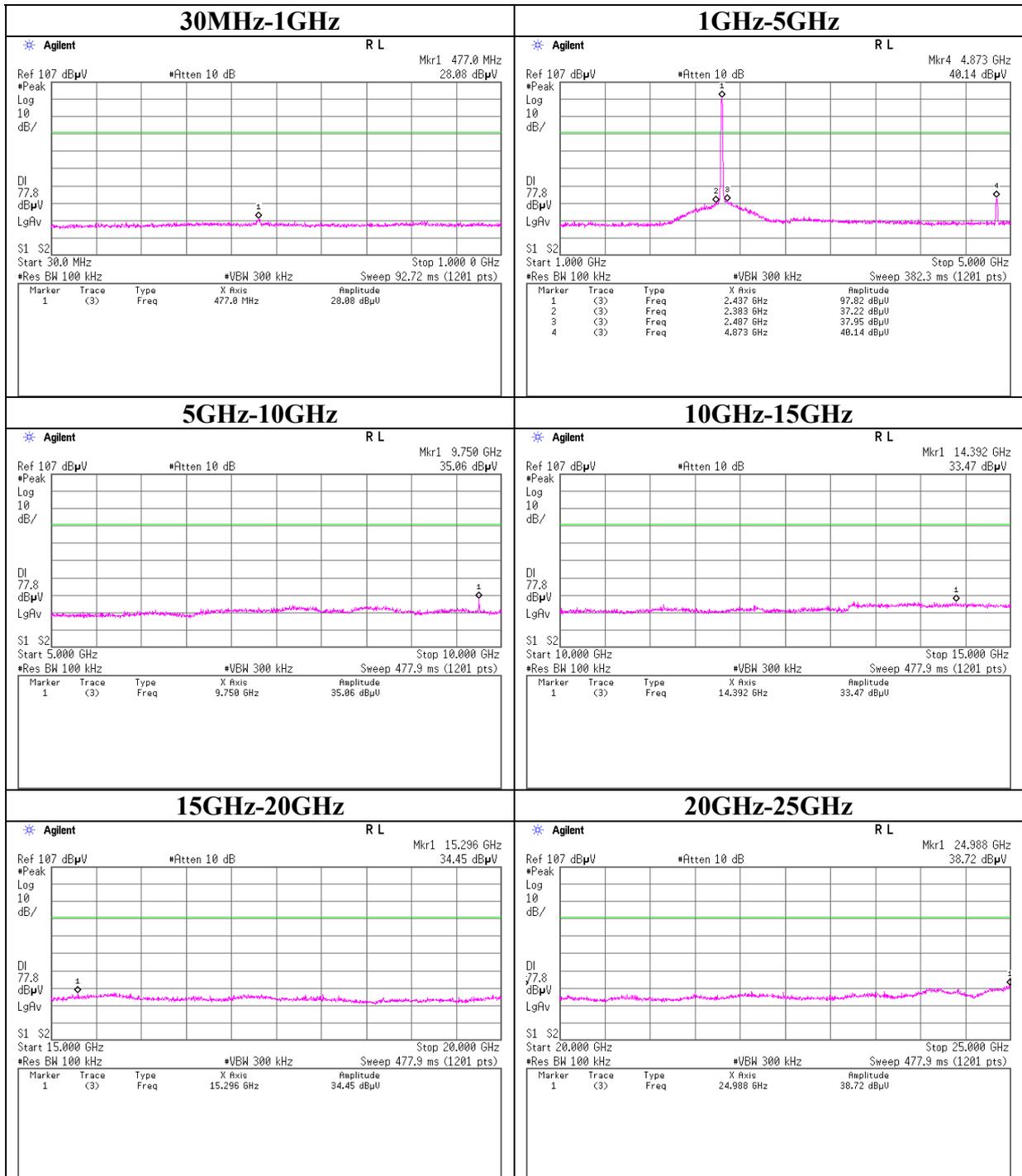
Conducted Spurious Emission

11b Tx 2412MHz



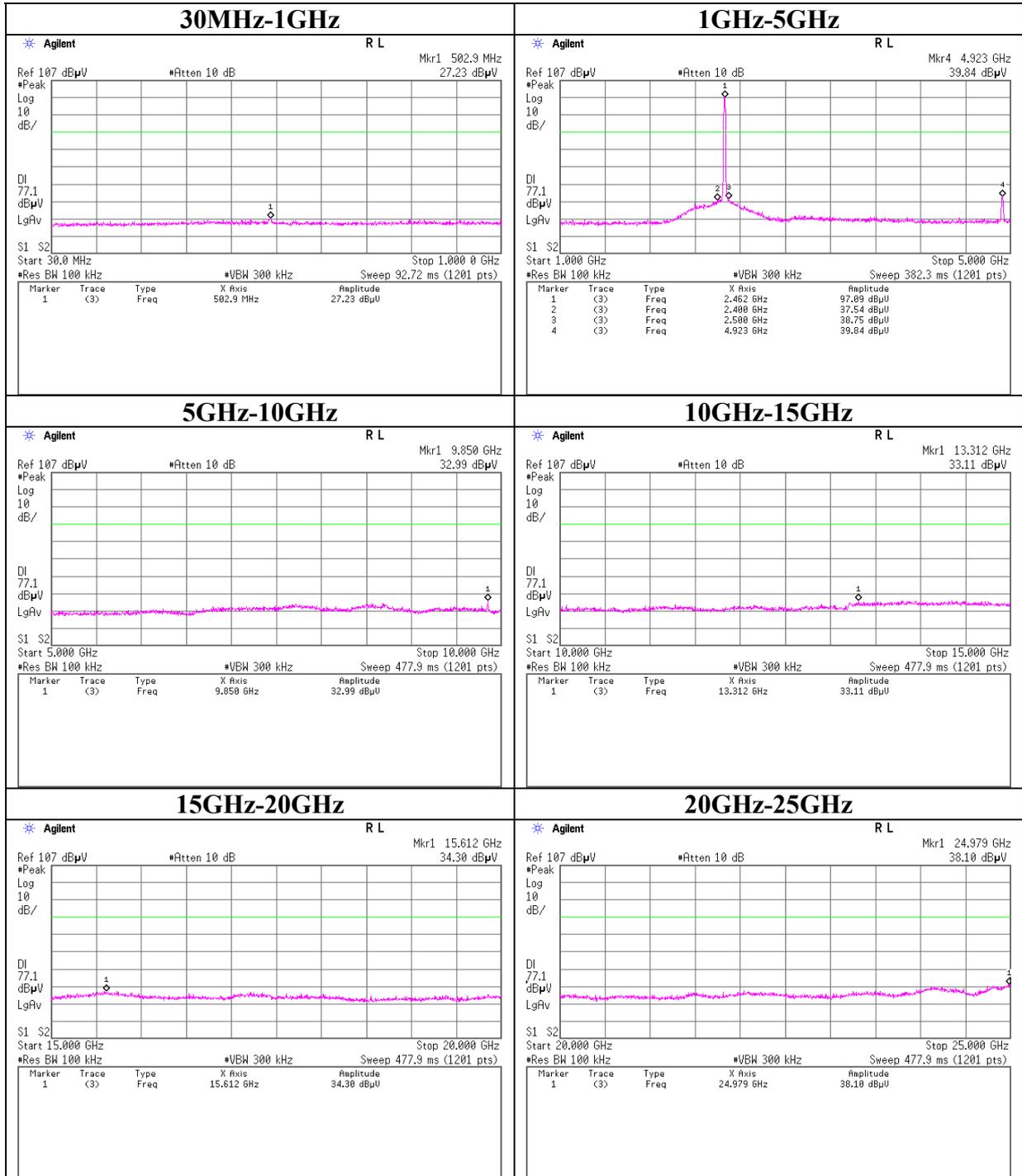
Conducted Spurious Emission

11b Tx 2437MHz



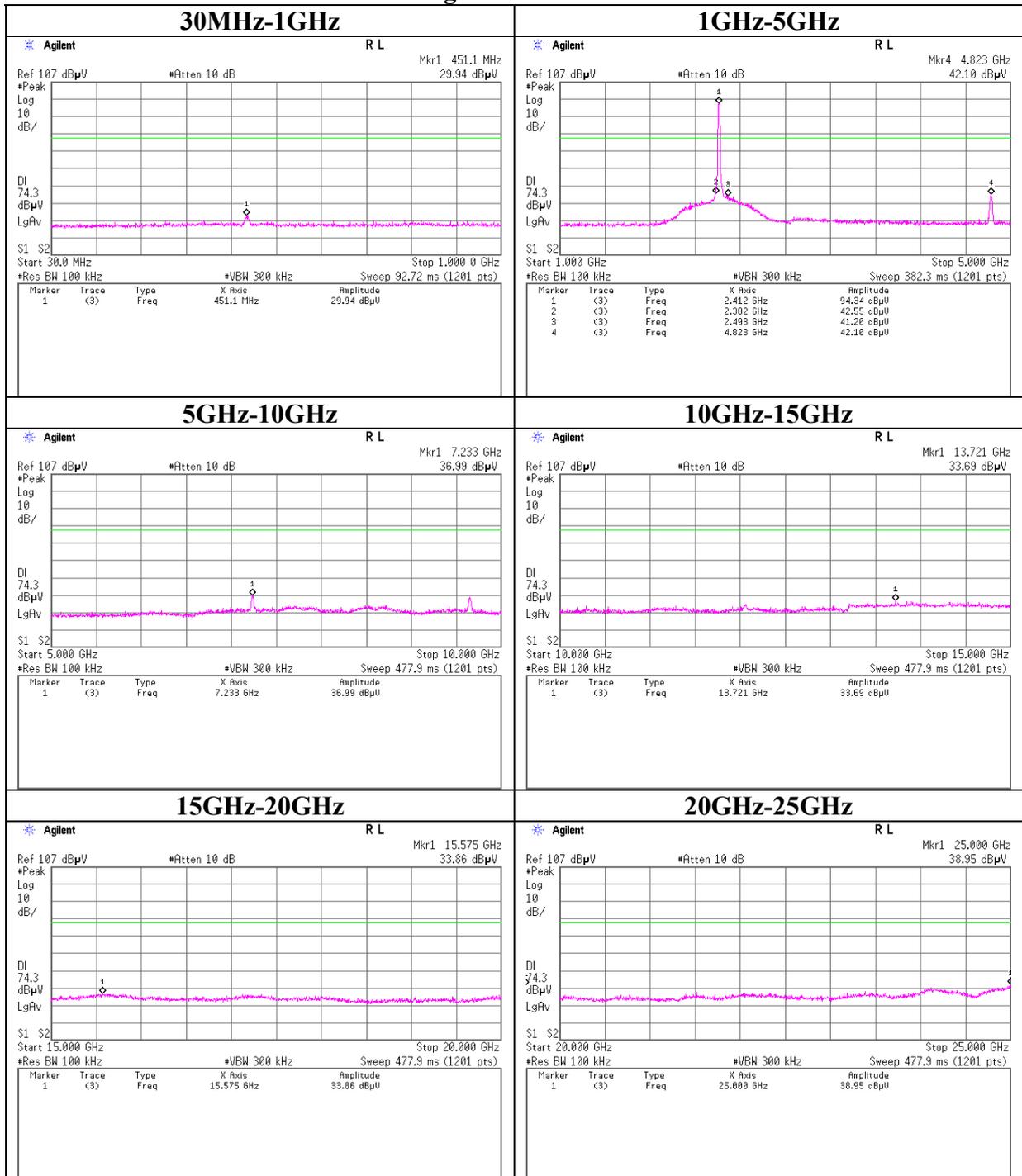
Conducted Spurious Emission

11b Tx 2462MHz



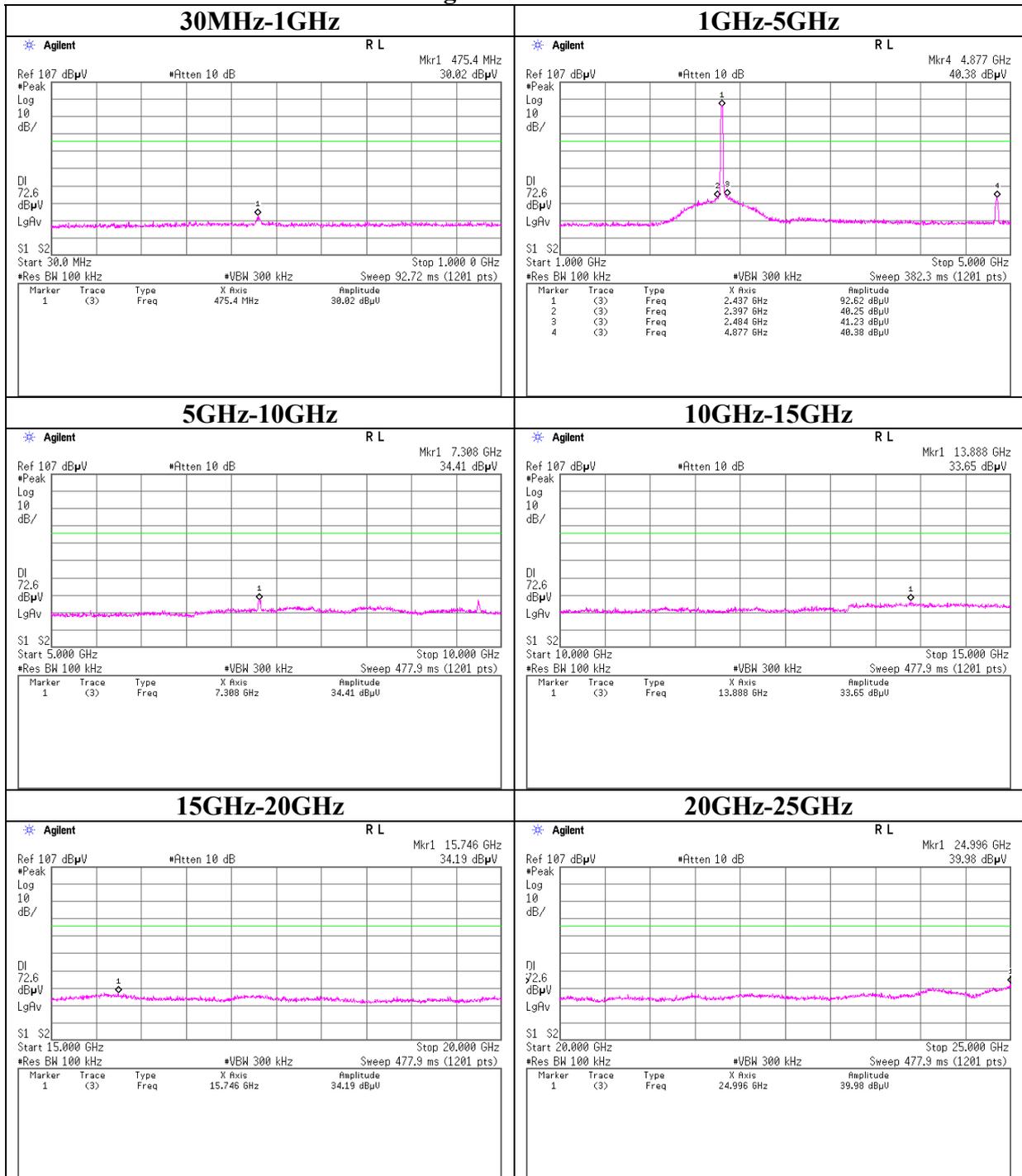
Conducted Spurious Emission

11g Tx 2412MHz



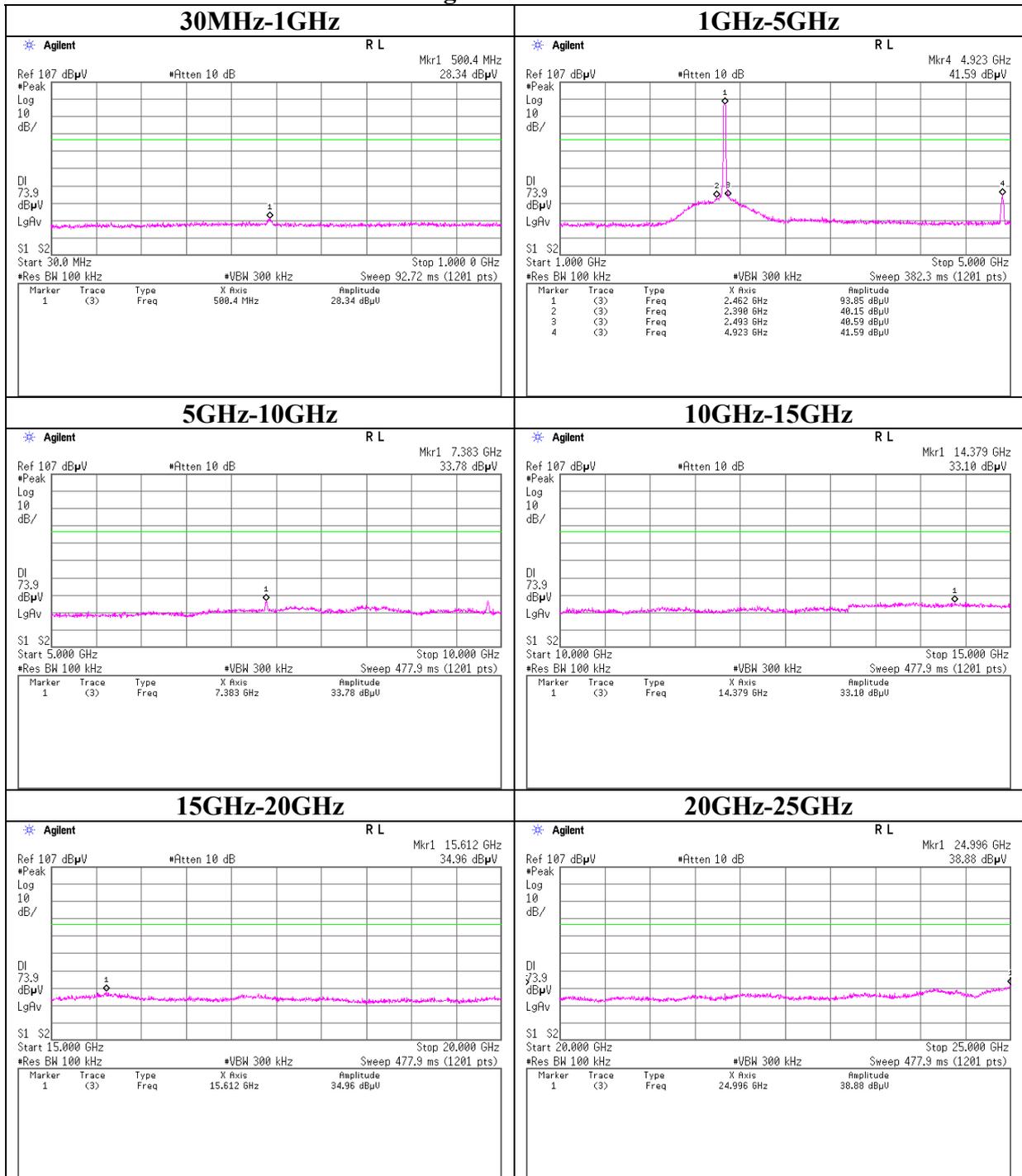
Conducted Spurious Emission

11g Tx 2437MHz



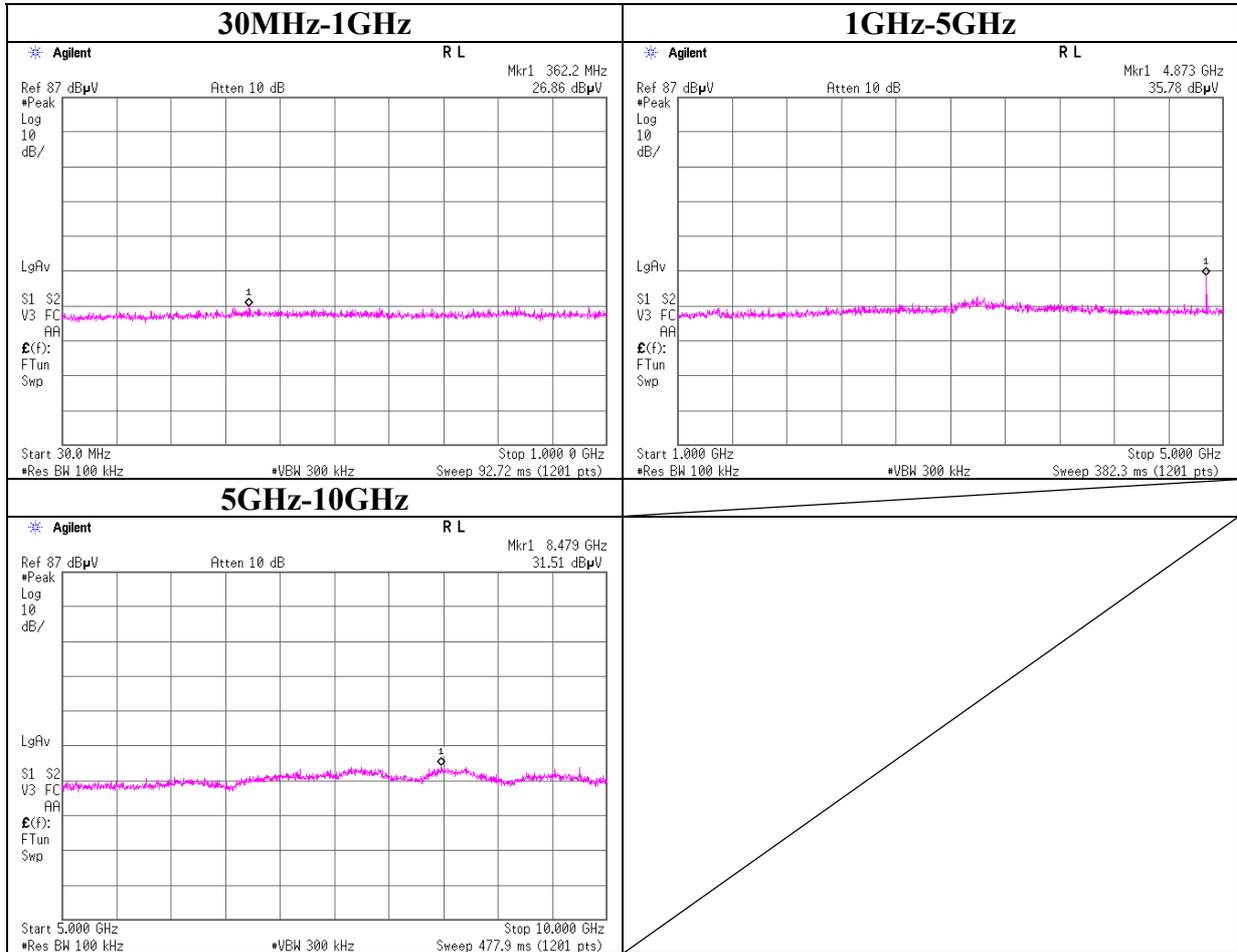
Conducted Spurious Emission

11g Tx 2462MHz



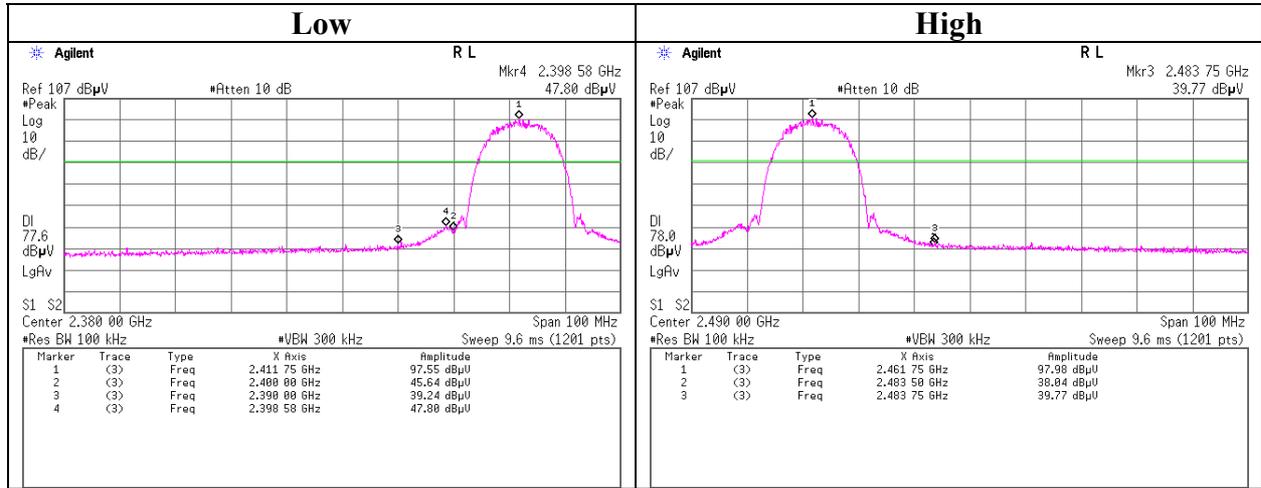
Conducted Spurious Emission

Rx 2437MHz

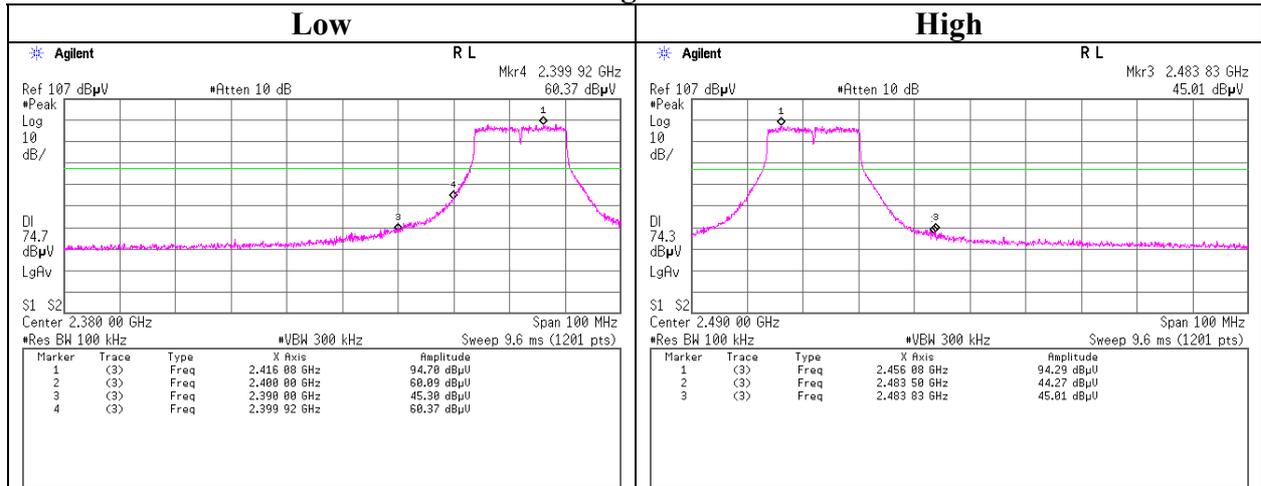


Conducted Emission Band Edge compliance

11b Tx



11g Tx



Power Density

Test place Head Office EMC Lab. No.3 Measurement Room
Report No. 30HE0264-HO-01
Date 04/05/2010
Temperature/ Humidity 24 deg.C./ 45%
Engineer Takeshi Choda
Mode 11b Tx, 11g Tx

11b Antenna 0

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2410.73	-14.57	2.13	10.00	-2.44	8.00	10.44
2435.73	-14.12	2.14	10.00	-1.98	8.00	9.98
2460.71	-14.11	2.14	10.00	-1.97	8.00	9.97

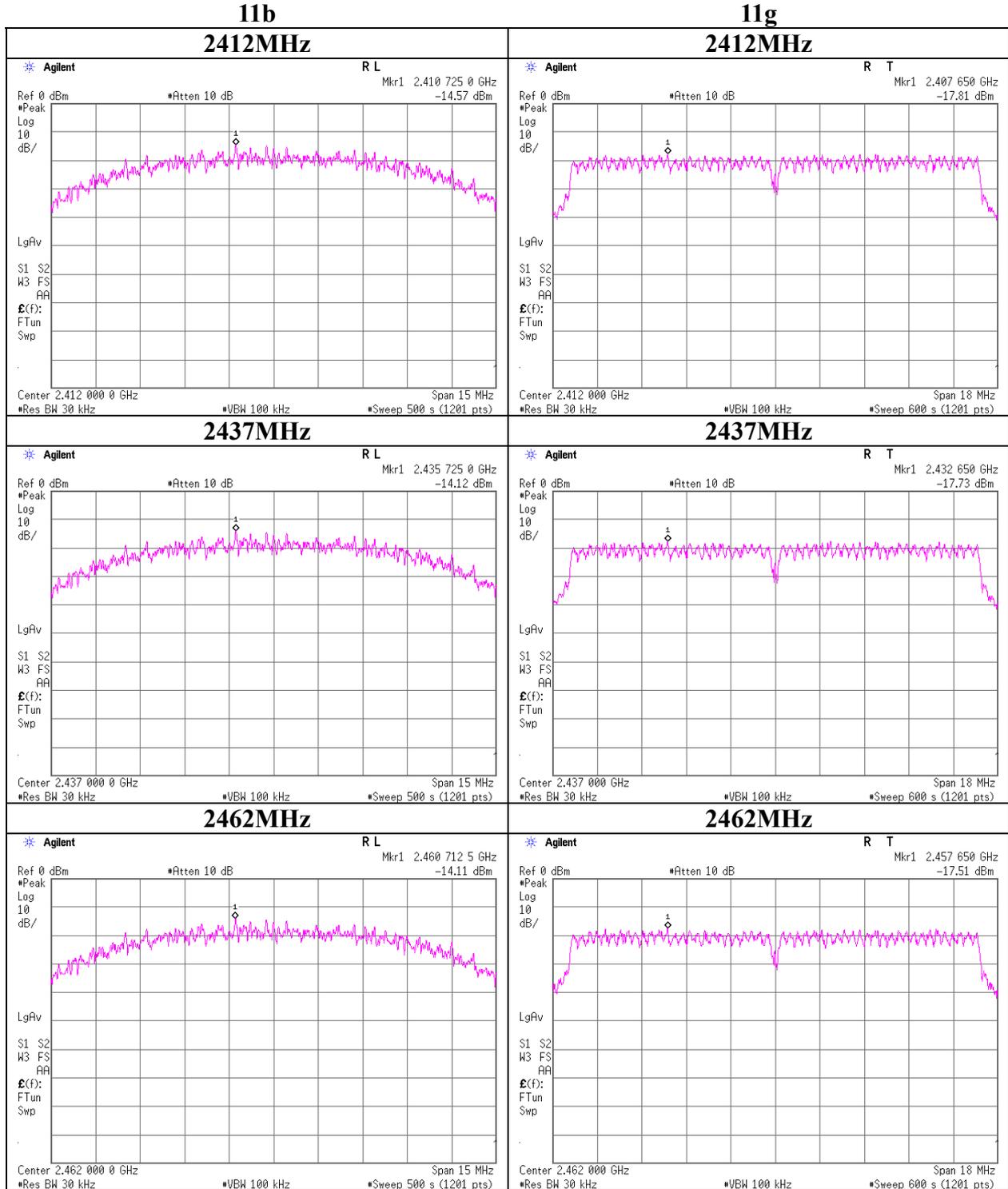
11g Antenna 0

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2407.65	-17.81	2.13	10.00	-5.68	8.00	13.68
2432.65	-17.73	2.14	10.00	-5.59	8.00	13.59
2457.65	-17.51	2.14	10.00	-5.37	8.00	13.37

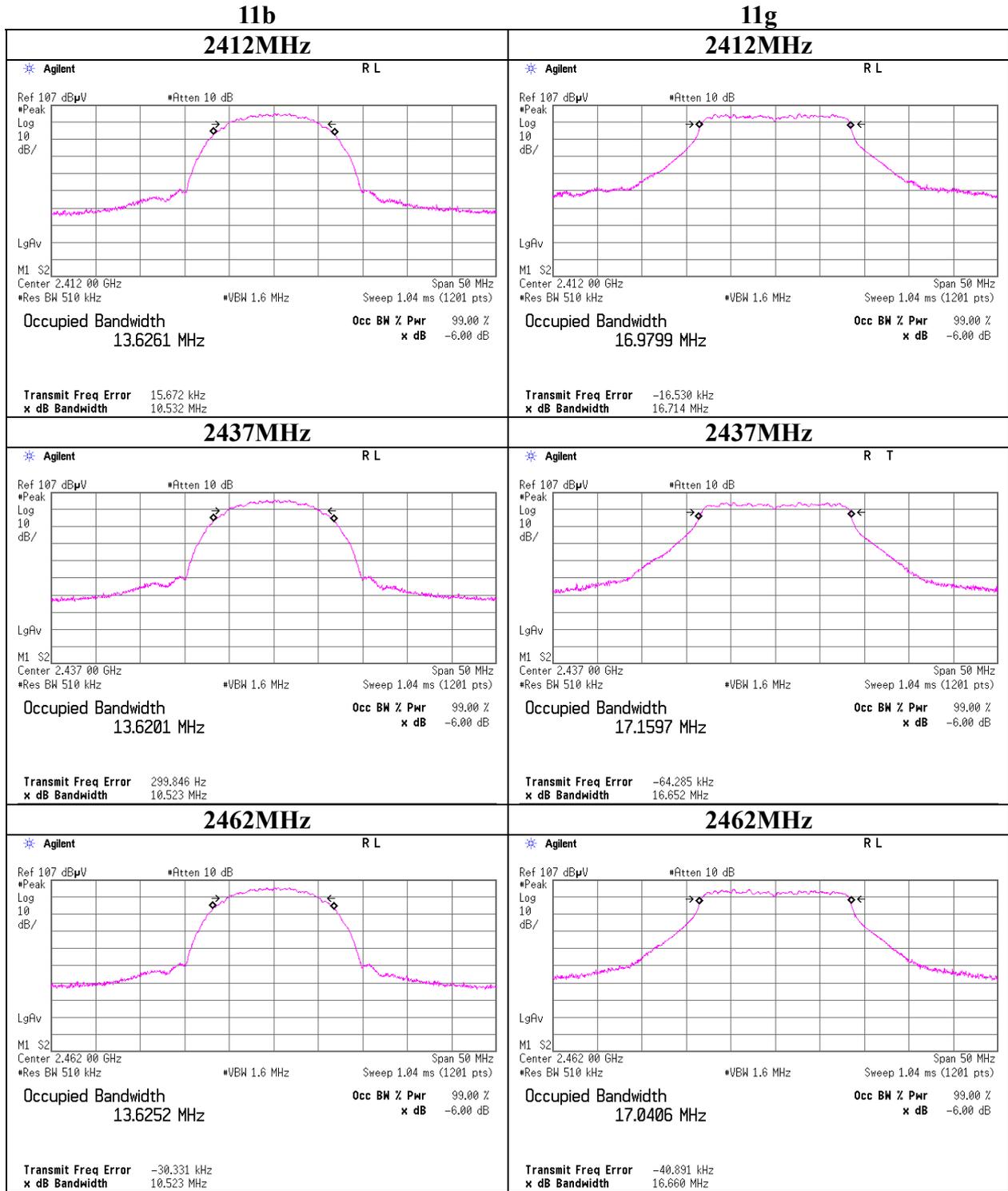
Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator

Power Density



99%Occupied Bandwidth



APPENDIX 3: Test instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MPM-12	Power Meter	Anritsu	ML2495A	0825002	AT	2009/08/26 * 12
MPSE-17	Power sensor	Anritsu	MA2411B	0738285	AT	2009/08/26 * 12
MAT-22	Attenuator(10dB) 1-18GHz	Orient Microwave	BX10-0476-00	-	AT	2010/03/01 * 12
MOS-23	Thermo-Hygrometer	Custom	CTH-201	0004	AT	2009/12/22 * 12
MAEC-04	Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE/CE	2010/02/02 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	-	RE/CE	2010/02/09 * 12
MJM-07	Measure	PROMART	SEN1955	-	RE/CE	-
COTS-MEMI	EMI measurement program	TSJ	TEPTO-DV	-	RE/CE	-
MSA-03	Spectrum Analyzer	Agilent	E4448A	MY44020357	RE	2009/11/20 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	9120D-557	RE	2009/08/10 * 12
MCC-57	Microwave Cable	Suhner	SUCOFLEX104	246769(1m) / 292411(5m)	RE	2009/11/17 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	MY39500780	RE	2010/03/16 * 12
MHF-20	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCC	607	RE	2009/12/19 * 12
MCC-79	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278923/4	RE	2009/12/19 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170307	RE	2009/06/18 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	AT	2009/08/25 * 12
MAT-22	Attenuator(10dB) 1-18GHz	Orient Microwave	BX10-0476-00	-	AT	2010/03/01 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	28636/2	AT	2009/04/21 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	160400285	RE/CE	2009/12/15 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	100635	RE/CE	2009/10/23 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	1302	RE	2010/03/22 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	N/A	RE	2010/01/23 * 12
MCC-50	Coaxial cable	UL Japan	-	-	RE	2010/03/18 * 12
MAT-51	Attenuator(6dB)	Weinschel	2	AS3557	RE	2010/01/20 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	260833	RE	2010/03/05 * 12

EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	8127363	CE(EU T)	2010/02/04 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	8127364	CE(AE)	2010/02/05 * 12
MTA-31	Terminator	TME	CT-01	-	CE	2010/01/20 * 12
MCC-113	Coaxial cable	Fujikura/Suhner/TSJ	5D- 2W(10m)/SFM14 1(5m)/421- 010(1m)/sucofor m141- PE(1m)/RFM- E121(Switcher)	-/04178	CE	2009/07/01 * 12
MAT-67	Attenuator(13dB)	JFW Industries, Inc.	50FP-013H2 N	-	CE	2010/02/04 * 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**