

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch:Low(11b)

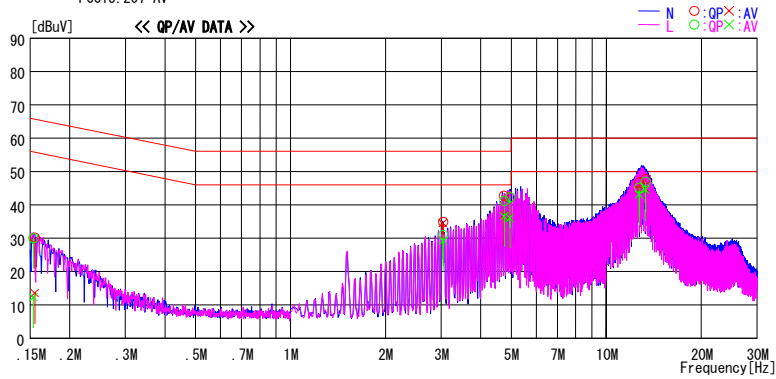
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2007/04/12

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
 Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
 Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 21deg. C / 35%
 Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks: Tx 2412MHz 11b 11Mbps

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]	
0.15496	30.0	13.3	0.2	30.2	13.5	65.7	55.7	35.5	42.2	N
3.04173	34.3	33.9	0.6	34.9	34.5	56.0	46.0	21.1	11.5	N
4.74161	42.0	36.2	0.7	42.7	36.9	56.0	46.0	13.3	9.1	N
4.94741	41.6	35.5	0.7	42.3	36.2	56.0	46.0	13.7	9.8	N
12.70229	45.4	43.2	1.3	46.7	44.5	60.0	50.0	13.3	5.5	N
13.30224	46.2	43.4	1.5	47.7	44.9	60.0	50.0	12.3	5.1	N
0.15345	29.8	12.0	0.2	30.0	12.2	65.8	55.8	35.8	43.6	L
3.04540	30.4	28.6	0.6	31.0	29.2	56.0	46.0	25.0	16.8	L
4.74966	40.5	35.9	0.7	41.2	36.6	56.0	46.0	14.8	9.4	L
4.94882	41.6	35.4	0.7	42.3	36.1	56.0	46.0	13.7	9.9	L
12.70798	43.9	41.8	1.3	45.2	43.1	60.0	50.0	14.8	6.9	L
13.30587	45.4	43.0	1.5	46.9	44.5	60.0	50.0	13.1	5.5	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.

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

Conducted Emission
Tx, Ch:Mid(11b)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg.C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Tx 2437MHz 11b 11Mbps

LIMIT : FCC15.207 OP
FCC15.207 AV

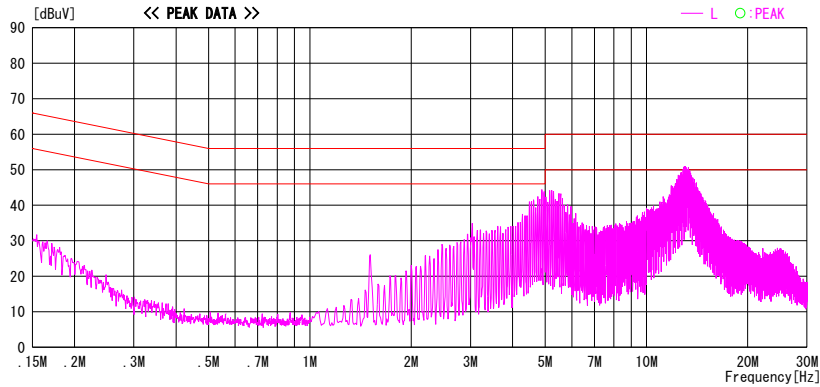
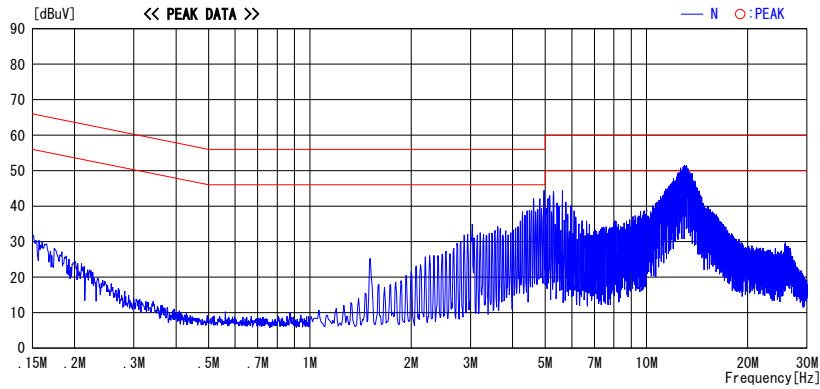


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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

Conducted Emission
Tx, Ch:High(11b)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg. C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Tx 2462MHz 11b 11Mbps

LIMIT : FCC15.207 GP
 FCC15.207 AV

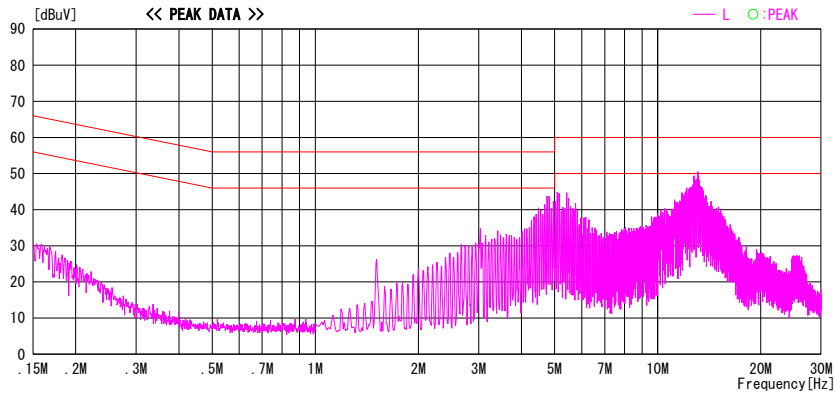
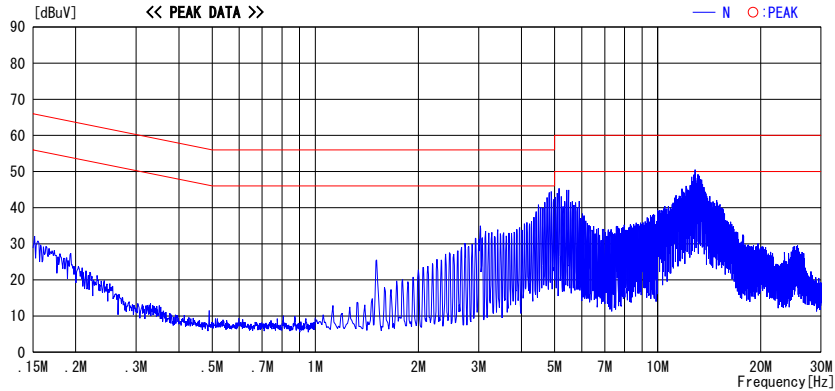


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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Conducted Emission
Tx, Ch:Low(11g)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/04/12

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 21deg. C / 35%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2412MHz 11g 6Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

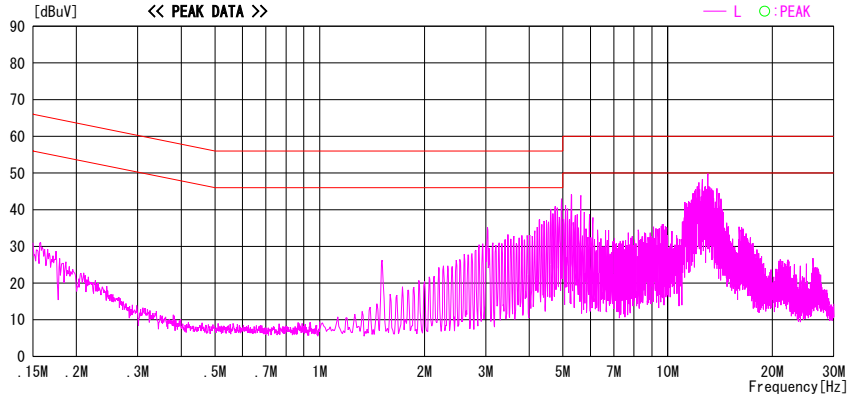
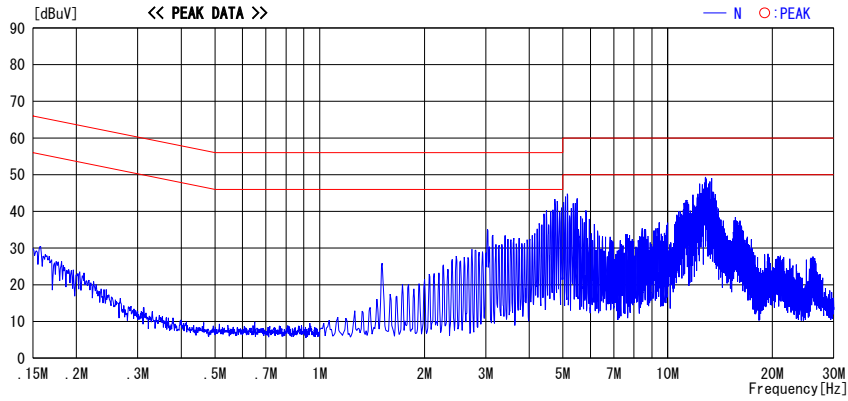


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table: adequate margin data below the limits.

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Conducted Emission
Tx, Ch:Mid(11g)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg.C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Tx 2437MHz 11g 6Mbps

LIMIT : FCC15.207 OP
FCC15.207 AV

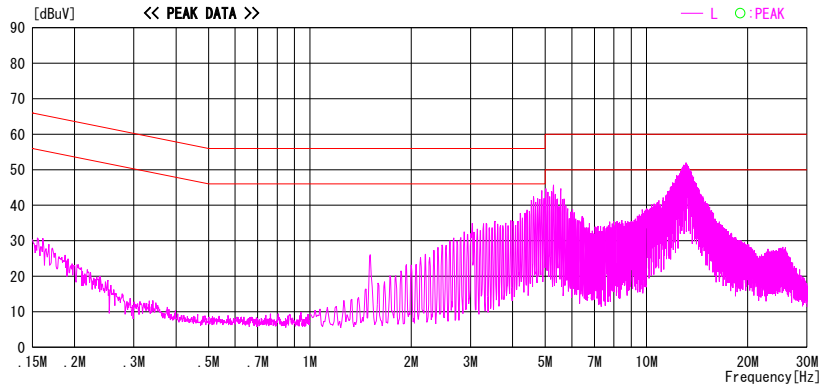
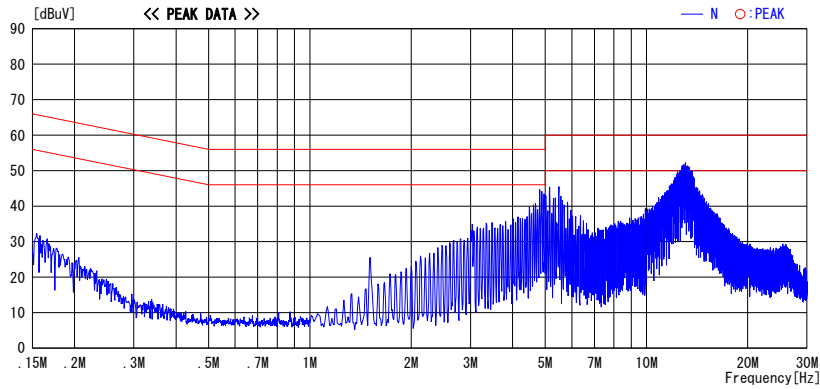


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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Conducted Emission
Tx, Ch:High(11g)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg. C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Tx 2462MHz 11g 6Mbps

LIMIT : FCC15.207 GP
FCC15.207 AV

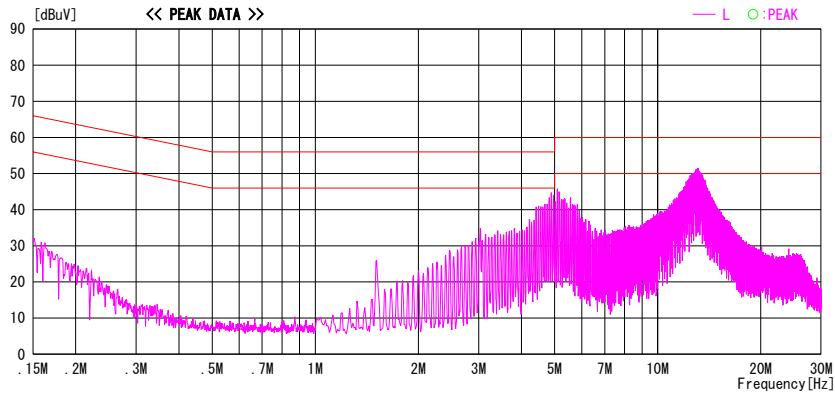
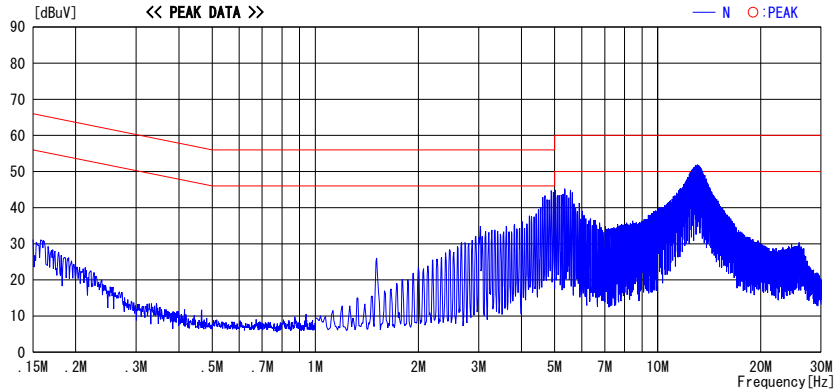


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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Conducted Emission
Rx, Ch:Mid(11b)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg. C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Rx 2437MHz 11b

LIMIT : FCC15.207 QP
 FCC15.207 AV

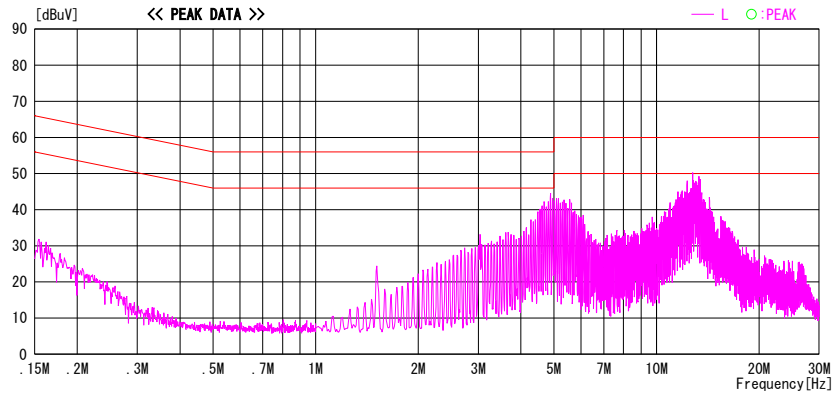
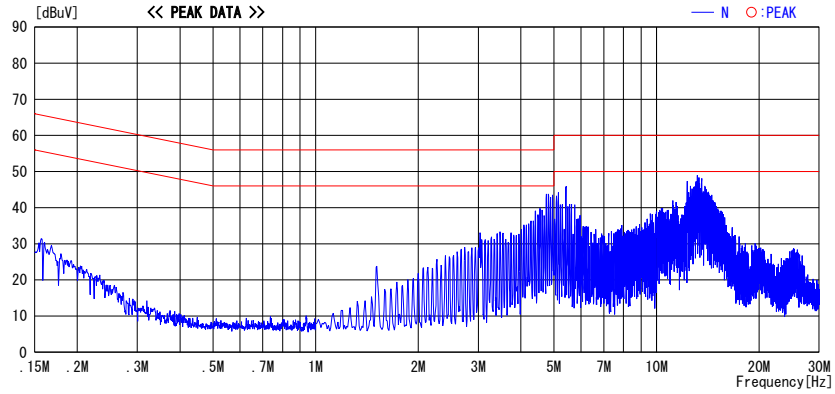


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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

Conducted Emission
Rx, Ch:Mid(11g)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2007/04/12

Company	: D & M Holdings Inc.	Report No.	: 27HE0375-HO
Kind of EUT	: WLAN Mini PCI card Module	Power	: DC 3.3V
Model No.	: MP-G-BR-05, Ext.2	Temp./Humi.	: 21deg.C / 35%
Serial No.	: 06TC05528408	Operator	: Hisayoshi Sato

Mode / Remarks : Rx 2437MHz 11g

LIMIT : FCC15.207 OP
FCC15.207 AV

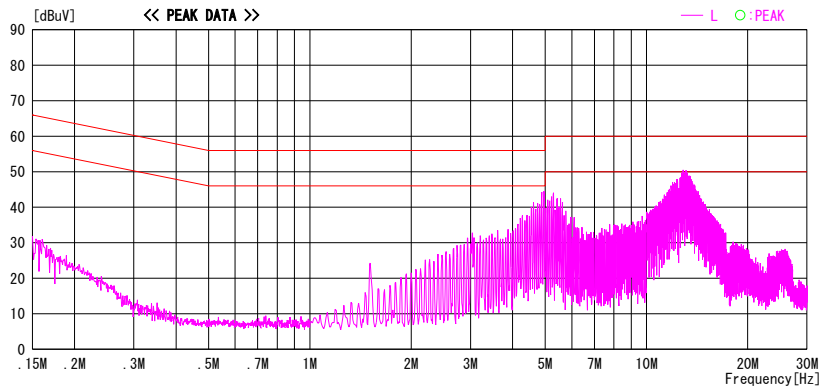
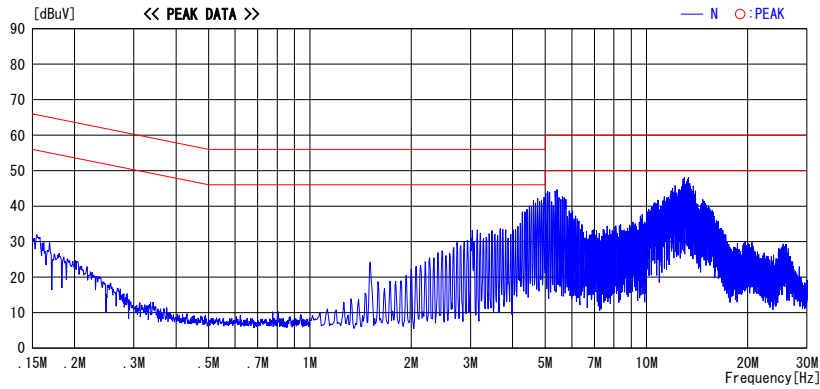


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

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

6dB Bandwidth

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

Company	: D & M Holdings Inc., Denon Brand Company	REPORT NO	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	REGULATION	: FCC15.247(a)(2)/RSS-210A8.2(1)
Model	: MP-G-BR-05, Ext.2	TEST DISTANCE	: -
Serial No.	: 06TC05528408	DATE	: 04/09/2007
Power	: DC 3.3V	TEMPERATURE	: 23 deg.C.
Mode	: Tx IEEE802.11b 11Mbps, : Tx IEEE802.11g 6Mbps	HUMIDITY	: 51%
		ENGINEER	: Hisayoshi Sato

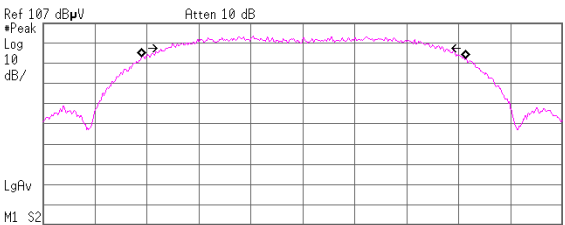
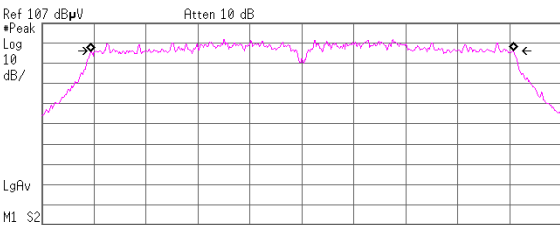
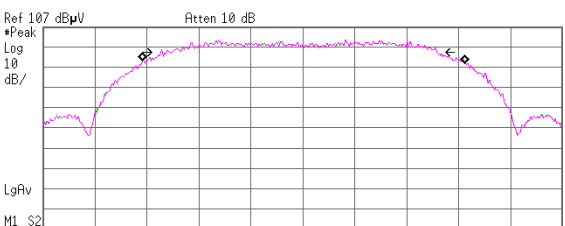
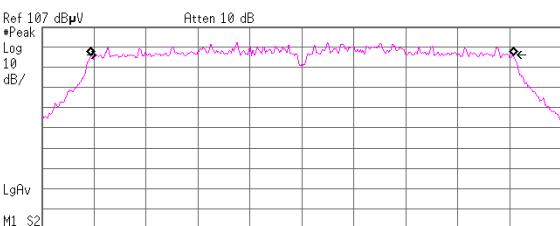
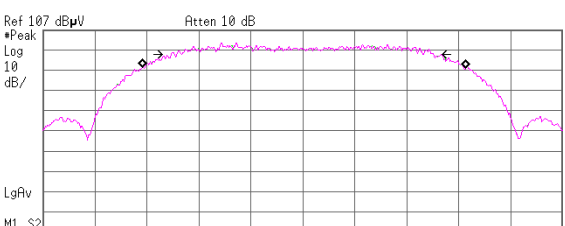
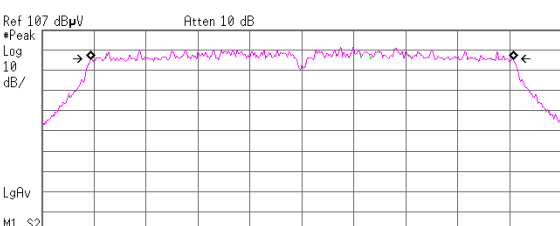
[IEEE802.11b]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	10.689	>500
Mid	2437.0	10.652	>500
High	2462.0	10.118	>500

[IEEE802.11g]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.060	>500
Mid	2437.0	15.519	>500
High	2462.0	16.282	>500

6dB Bandwidth

IEEE802.11b	IEEE802.11g
<p style="text-align: center;">Ch:Low</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.412 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 12.4460 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 34.127 kHz x dB Bandwidth 10.689 MHz</p>	<p style="text-align: center;">Ch:Low</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.412 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 16.2807 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 19.281 kHz x dB Bandwidth 16.060 MHz</p>
<p style="text-align: center;">Ch:Mid</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.437 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 12.4241 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 32.799 kHz x dB Bandwidth 10.652 MHz</p>	<p style="text-align: center;">Ch:Mid</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.437 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 16.2987 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 17.550 kHz x dB Bandwidth 15.519 MHz</p>
<p style="text-align: center;">Ch:High</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.462 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 12.4379 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 39.721 kHz x dB Bandwidth 10.118 MHz</p>	<p style="text-align: center;">Ch:High</p>  <p>Ref 107 dBμV Atten 10 dB *Peak Log 10 dB/ LgAv M1 S2 Center 2.462 00 GHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 1.92 ms (601 pts)</p> <p>Occupied Bandwidth 16.3046 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 11.806 kHz x dB Bandwidth 16.282 MHz</p>

Maximum Peak Output Power

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

Company : D & M Holdings Inc., Denon Brand Company	REPORT NO : 27HE0375-HO
Equipment : WLAN Mini PCI card Module	REGULATION : FCC15.247(b)(3)/RSS-210A8.4(4)
Model : MP-G-BR-05, Ext.2	TEST DISTANCE : -
Serial No. : 06TC05528408	DATE : 04/09/2007
Power : DC 3.3V	TEMPERATURE : 23 deg.C.
Mode : Tx IEEE802.11b 11Mbps, Tx IEEE802.11g 6Mbps	HUMIDITY : 51% ENGINEER : Hisayoshi Sato

[IEEE802.11b]

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	8.52	0.88	10.02	19.42	87.50	30.00	1000	10.58
Mid	2437.0	8.56	0.89	10.02	19.47	88.51	30.00	1000	10.53
High	2462.0	8.23	0.89	10.02	19.14	82.04	30.00	1000	10.86

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

[IEEE802.11g]

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	13.64	0.88	10.02	24.54	284.45	30.00	1000	5.46
Mid	2437.0	13.41	0.89	10.02	24.32	270.40	30.00	1000	5.68
High	2462.0	13.38	0.89	10.02	24.29	268.53	30.00	1000	5.71

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

**Maximum Peak Output Power
(Pre-check of Worst Bit Rate)**

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

Company	: D & M Holdings Inc., Denon Brand Company	REPORT NO	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
Model	: MP-G-BR-05, Ext.2	TEST DISTANCE	: -
Serial No.	: 06TC05528408	DATE	: 04/09/2007
Power	: DC 3.3V	TEMPERATURE	: 23 deg.C.
Mode	: Tx IEEE802.11b 11Mbps,	HUMIDITY	: 51%
	: Tx IEEE802.11g 6Mbps	ENGINEER	: Hisayoshi Sato

[IEEE802.11b]

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
1	2437.0	8.16	0.89	10.02	19.07	80.72	30.00	1000	10.93
2	2437.0	8.33	0.89	10.02	19.24	83.95	30.00	1000	10.76
5.5	2437.0	8.24	0.89	10.02	19.15	82.22	30.00	1000	10.85
11	2437.0	8.56	0.89	10.02	19.47	88.51	30.00	1000	10.53

Worst

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

[IEEE802.11g]

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
6	2437.0	13.41	0.89	10.02	24.32	270.40	30.00	1000	5.68
9	2437.0	13.21	0.89	10.02	24.12	258.23	30.00	1000	5.88
12	2437.0	13.00	0.89	10.02	23.91	246.04	30.00	1000	6.09
18	2437.0	13.07	0.89	10.02	23.98	250.03	30.00	1000	6.02
24	2437.0	12.99	0.89	10.02	23.90	245.47	30.00	1000	6.10
36	2437.0	13.03	0.89	10.02	23.94	247.74	30.00	1000	6.06
48	2437.0	12.84	0.89	10.02	23.75	237.14	30.00	1000	6.25
54	2437.0	12.71	0.89	10.02	23.62	230.14	30.00	1000	6.38

Worst

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

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

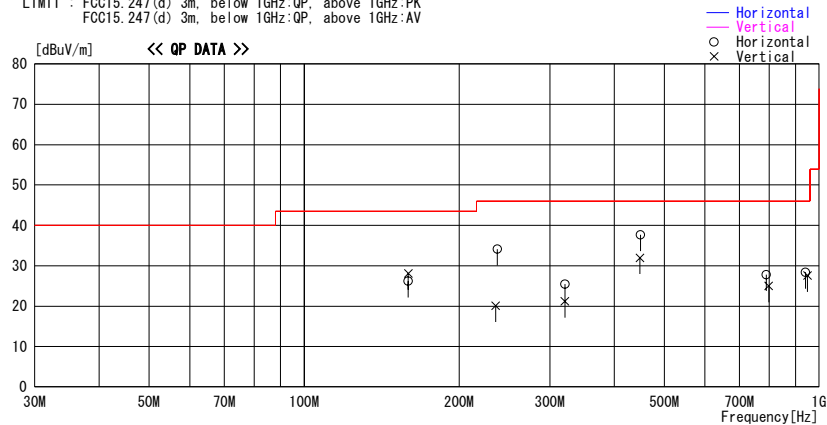
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PC card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C./34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2412MHz 11b 11Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
159.291	34.0	QP	15.5	-23.3	26.2	258	195	Hori.	43.5	17.3
159.299	35.9	QP	15.5	-23.3	28.1	340	100	Vert.	43.5	15.4
235.362	25.5	QP	17.1	-22.5	20.1	0	100	Vert.	46.0	25.9
237.268	39.5	QP	17.1	-22.5	34.1	192	150	Hori.	46.0	11.9
320.948	26.7	QP	16.4	-21.9	21.2	215	100	Vert.	46.0	24.8
321.020	31.0	QP	16.4	-21.9	25.5	210	100	Hori.	46.0	20.5
448.675	34.5	QP	18.5	-21.0	32.0	240	151	Vert.	46.0	14.0
797.870	21.0	QP	23.0	-19.0	25.0	240	151	Vert.	46.0	21.0
449.620	40.1	QP	18.6	-21.0	37.7	197	100	Hori.	46.0	8.3
789.209	24.1	QP	22.9	-19.2	27.8	51	100	Hori.	46.0	18.2
940.065	21.2	QP	24.9	-17.7	28.4	0	100	Hori.	46.0	17.6
949.212	20.0	QP	25.3	-17.7	27.6	0	100	Vert.	46.0	18.4

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)

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

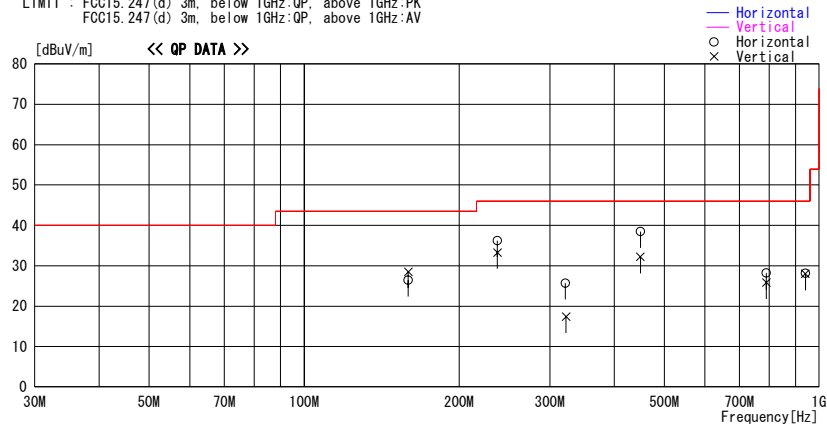
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PC card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C./34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2437MHz 11b 11Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Loss & Gain [dB]					[dBuV/m]	[dB]
159.285	36.3	QP	15.5	-23.3	28.5	340	100	Vert.	43.5	15.0
159.295	34.2	QP	15.5	-23.3	26.4	258	195	Hori.	43.5	17.1
237.256	41.6	QP	17.1	-22.5	36.2	192	150	Hori.	46.0	9.8
237.289	38.7	QP	17.1	-22.5	33.3	302	108	Vert.	46.0	12.7
321.320	31.2	QP	16.4	-21.9	25.7	210	100	Hori.	46.0	20.3
322.398	22.9	QP	16.4	-21.9	17.4	275	130	Vert.	46.0	28.6
449.682	34.6	QP	18.6	-21.0	32.2	0	100	Vert.	46.0	13.8
449.764	40.9	QP	18.6	-21.0	38.5	197	100	Hori.	46.0	7.5
789.216	22.1	QP	22.9	-19.2	25.8	0	100	Vert.	46.0	20.2
940.112	20.8	QP	24.9	-17.7	28.0	0	100	Vert.	46.0	18.0
789.299	24.5	QP	22.9	-19.2	28.2	51	100	Hori.	46.0	17.8
940.120	20.9	QP	24.9	-17.7	28.1	0	100	Hori.	46.0	17.9

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

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

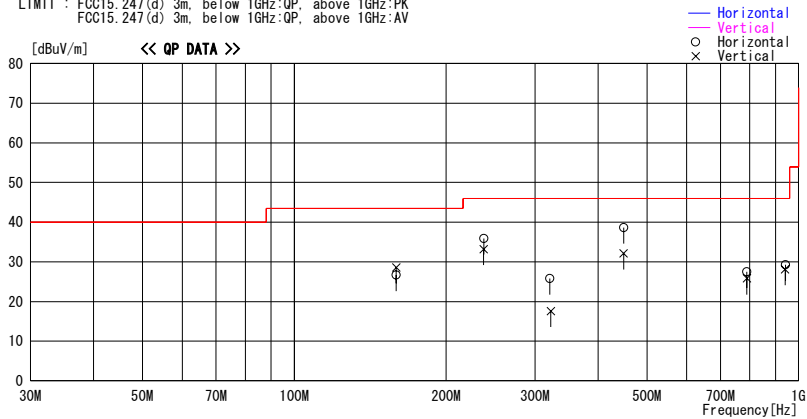
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C. /34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2462MHz 11b 11Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
159.289	34.5	QP	15.5	-23.3	26.7	258	195	Hori.	43.5	16.8
159.311	36.4	QP	15.5	-23.3	28.6	340	100	Vert.	43.5	14.9
237.326	38.6	QP	17.1	-22.5	33.2	304	110	Vert.	46.0	12.8
237.423	41.3	QP	17.1	-22.5	35.9	192	150	Hori.	46.0	10.1
321.098	31.3	QP	16.4	-21.9	25.8	210	100	Hori.	46.0	20.2
322.585	23.1	QP	16.4	-21.9	17.6	275	130	Vert.	46.0	28.4
449.699	34.5	QP	18.6	-21.0	32.1	0	100	Vert.	46.0	13.9
449.712	41.0	QP	18.6	-21.0	38.6	197	100	Hori.	46.0	7.4
789.202	23.8	QP	22.9	-19.2	27.5	51	100	Hori.	46.0	18.5
789.355	22.1	QP	22.9	-19.2	25.8	0	100	Vert.	46.0	20.2
940.120	20.9	QP	24.9	-17.7	28.1	0	100	Vert.	46.0	17.9
941.220	22.0	QP	25.0	-17.7	29.3	0	100	Hori.	46.0	16.7

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)

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

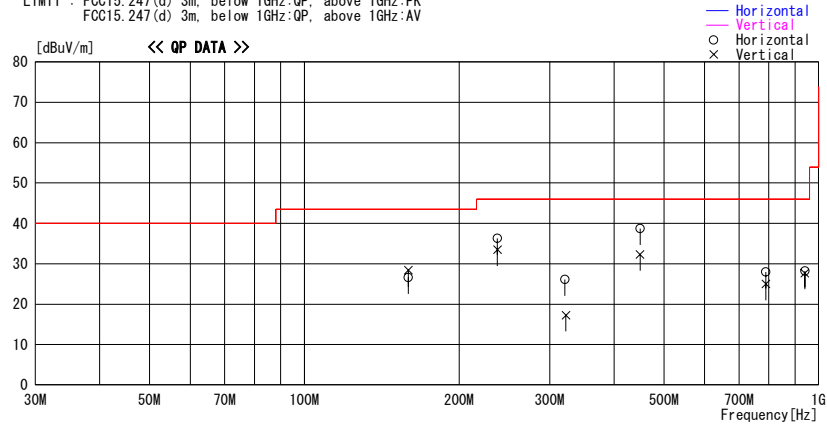
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PC card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C./34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2412MHz 11g 6Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
159.297	36.2	QP	15.5	-23.3	28.4	340	100	Vert.	43.5	15.1
159.300	34.4	QP	15.5	-23.3	26.6	258	195	Hori.	43.5	16.9
237.366	41.7	QP	17.1	-22.5	36.3	192	150	Hori.	46.0	9.7
237.347	38.9	QP	17.1	-22.5	33.5	304	110	Vert.	46.0	12.5
321.120	31.6	QP	16.4	-21.9	26.1	210	100	Hori.	46.0	19.9
322.581	22.8	QP	16.4	-21.9	17.3	273	130	Vert.	46.0	28.7
449.678	34.7	QP	18.6	-21.0	32.3	0	100	Vert.	46.0	13.7
449.708	41.1	QP	18.6	-21.0	38.7	197	100	Hori.	46.0	7.3
789.551	21.3	QP	22.9	-19.2	25.0	0	100	Vert.	46.0	21.0
789.309	24.3	QP	22.9	-19.2	28.0	51	100	Hori.	46.0	18.0
940.032	20.5	QP	24.9	-17.7	27.7	0	100	Vert.	46.0	18.3
940.080	21.0	QP	24.9	-17.7	28.2	0	100	Hori.	46.0	17.8

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

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

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

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

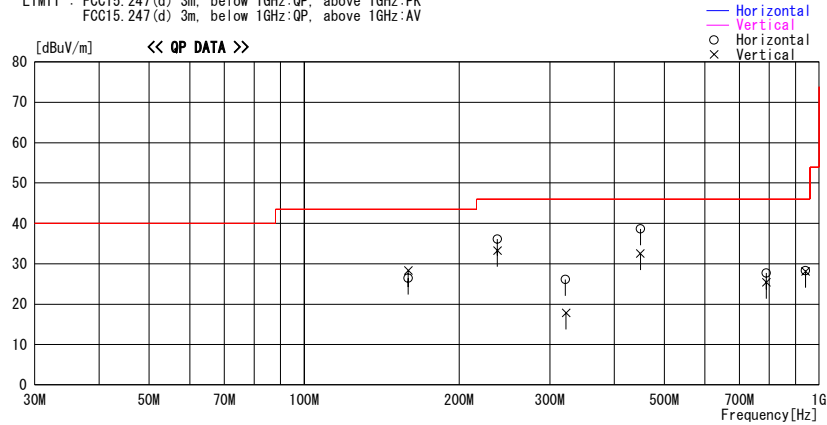
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PC card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C./34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2437MHz 11g 6Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Loss & Gain [dB]					[dBuV/m]	[dB]
159.277	36.1	QP	15.5	-23.3	28.3	340	100	Vert.	43.5	15.2
159.320	34.2	QP	15.5	-23.3	26.4	258	195	Hori.	43.5	17.1
237.336	41.5	QP	17.1	-22.5	36.1	192	150	Hori.	46.0	9.9
237.352	38.7	QP	17.1	-22.5	33.3	304	110	Vert.	46.0	12.7
321.220	31.6	QP	16.4	-21.9	26.1	210	100	Hori.	46.0	19.9
322.601	23.3	QP	16.4	-21.9	17.8	178	100	Vert.	46.0	28.2
449.678	41.0	QP	18.6	-21.0	38.6	197	100	Hori.	46.0	7.4
449.699	34.9	QP	18.6	-21.0	32.5	178	100	Vert.	46.0	13.5
789.305	21.7	QP	22.9	-19.2	25.4	0	100	Vert.	46.0	20.6
940.520	20.9	QP	24.9	-17.7	28.1	0	100	Vert.	46.0	17.9
789.329	24.0	QP	22.9	-19.2	27.7	51	100	Hori.	46.0	18.3
940.070	21.1	QP	24.9	-17.7	28.3	0	100	Hori.	46.0	17.7

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)

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

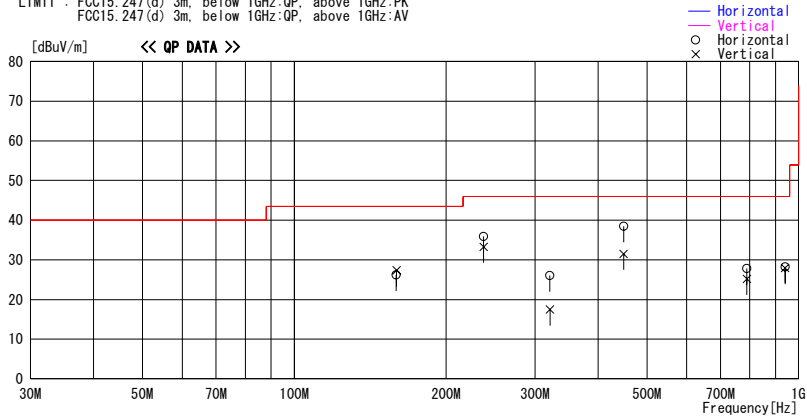
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C. /34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Tx 2462MHz 11g 6Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
159.310	34.0	QP	15.5	-23.3	26.2	258	195	Hori.	43.5	17.3
159.563	35.2	QP	15.5	-23.3	27.4	340	100	Vert.	43.5	16.1
237.345	38.7	QP	17.1	-22.5	33.3	304	110	Vert.	46.0	12.7
237.362	41.3	QP	17.1	-22.5	35.9	192	150	Hori.	46.0	10.1
321.127	31.5	QP	16.4	-21.9	26.0	210	100	Hori.	46.0	20.0
321.222	23.0	QP	16.4	-21.9	17.5	273	130	Vert.	46.0	28.5
449.700	33.9	QP	18.6	-21.0	31.5	197	100	Vert.	46.0	14.5
449.712	40.9	QP	18.6	-21.0	38.5	197	100	Hori.	46.0	7.5
789.319	24.1	QP	22.9	-19.2	27.8	51	100	Hori.	46.0	18.2
789.421	21.5	QP	22.9	-19.2	25.2	0	100	Vert.	46.0	20.8
940.071	20.7	QP	24.9	-17.7	27.9	0	100	Vert.	46.0	18.1
940.100	21.0	QP	24.9	-17.7	28.2	0	100	Hori.	46.0	17.8

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

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

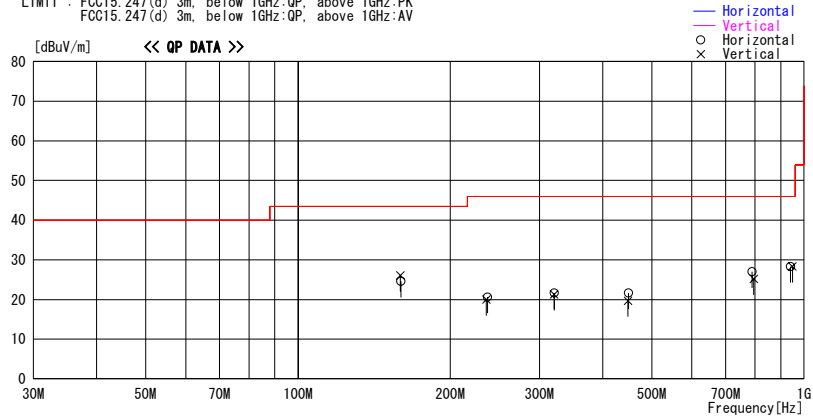
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext.2 Temp./Humi. : 23deg.C. /34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Rx 2437MHz 11b 11Mbps X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
159.285	33.9	QP	15.5	-23.3	26.1	359	100	Vert.	43.5	17.4
159.680	32.4	QP	15.5	-23.3	24.6	258	195	Hori.	43.5	18.9
235.656	25.4	QP	17.1	-22.5	20.0	359	100	Vert.	46.0	26.0
236.811	26.0	QP	17.1	-22.5	20.6	280	150	Hori.	46.0	25.4
320.855	26.8	QP	16.4	-21.9	21.3	216	100	Vert.	46.0	24.7
321.120	27.2	QP	16.4	-21.9	21.7	210	100	Hori.	46.0	24.3
448.732	22.2	QP	18.5	-21.0	19.7	240	151	Vert.	46.0	26.3
449.712	24.1	QP	18.6	-21.0	21.7	197	100	Hori.	46.0	24.3
789.219	23.3	QP	22.9	-19.2	27.0	51	100	Hori.	46.0	19.0
795.430	21.3	QP	23.0	-19.1	25.2	0	100	Vert.	46.0	20.8
948.325	20.8	QP	25.2	-17.7	28.3	0	100	Vert.	46.0	17.7
940.125	21.1	QP	24.9	-17.7	28.3	0	100	Hori.	46.0	17.7

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)

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

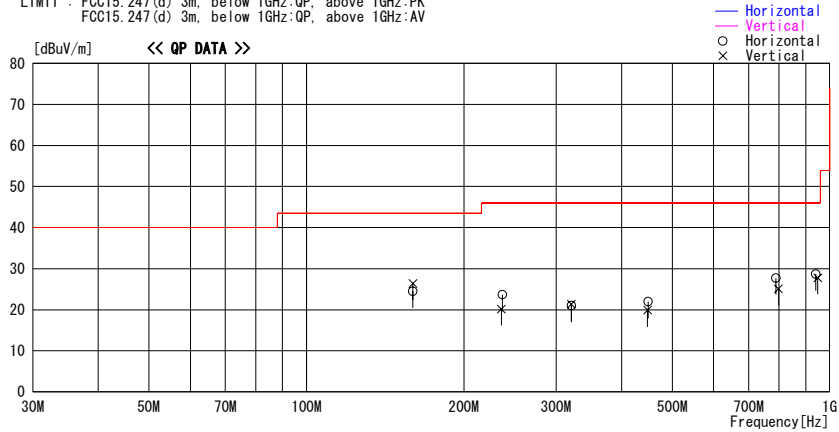
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/04/11

Company : D & M Holdings Inc. Report No. : 27HE0375-HO
Kind of EUT : WLAN Mini PCI card Module Power : DC 3.3V
Model No. : MP-G-BR-05, Ext. 2 Temp./Humi. : 23deg. C. /34%
Serial No. : 06TC05528408 Operator : Hisayoshi Sato

Mode / Remarks : Rx 2437MHz 11g X-axis(Hor) Y-axis(Ver)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	
			Factor	Gain					[dBuV/m]	[dB]
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]			
159.743	32.3	QP	15.5	-23.3	24.5	258	195	Hori.	43.5	19.0
236.805	29.1	QP	17.1	-22.5	23.7	280	130	Hori.	46.0	22.3
321.020	26.5	QP	16.4	-21.9	21.0	210	100	Hori.	46.0	25.0
449.723	24.4	QP	18.6	-21.0	22.0	197	100	Hori.	46.0	24.0
789.209	24.0	QP	22.9	-19.2	27.7	51	100	Hori.	46.0	18.3
940.340	21.5	QP	24.9	-17.7	28.7	0	100	Hori.	46.0	17.3
159.753	34.2	QP	15.5	-23.3	26.4	359	100	Vert.	43.5	17.1
235.686	25.6	QP	17.1	-22.5	20.2	359	100	Vert.	46.0	25.8
320.966	26.9	QP	16.4	-21.9	21.4	216	100	Vert.	46.0	24.6
448.730	22.4	QP	18.5	-21.0	19.9	240	151	Vert.	46.0	26.1
797.900	21.1	QP	23.0	-19.0	25.1	0	100	Vert.	46.0	20.9
948.640	20.3	QP	25.2	-17.7	27.8	0	100	Vert.	46.0	18.2

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

* Except for the above points : All other spurious emissions were less than 20dB for the limit.
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

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

Company	: D & M holdings Inc. Denon Brand Compa	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/10/2007, 04/12/2007
Power	: DC 3.3V	Temperature	: 23deg.C, 21deg.C
Mode	: IEEE802.11b 11Mbps 2412MHz	Humidity	: 31%, 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Makoto Kosaka, Hisayoshi Sato

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	1608.0	47.2	52.3	26.7	32.5	2.3	0.0	43.7	48.8	73.9	30.2	25.1
2	2390.0	55.3	56.5	29.1	31.5	3.0	0.0	55.9	57.1	73.9	18.0	16.8
3	2400.0	66.9	69.0	29.1	31.5	3.0	0.0	67.5	69.6	73.9	6.4	4.3
4	4824.0	39.3	40.1	33.4	30.7	3.9	0.8	46.7	47.5	73.9	27.2	26.4
5	7236.0	41.8	40.7	37.3	31.3	4.5	0.5	52.8	51.7	73.9	21.1	22.2
6	9648.0	41.1	40.6	39.5	32.0	5.4	0.5	54.5	54.0	73.9	19.4	19.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	-	-	-	-	-	-	-	-	73.9	-	-
8	14472.0	-	-	-	-	-	-	-	-	73.9	-	-
9	16884.0	-	-	-	-	-	-	-	-	73.9	-	-
10	19296.0	-	-	-	-	-	-	-	-	73.9	-	-
11	21708.0	-	-	-	-	-	-	-	-	73.9	-	-
12	24120.0	45.1	44.7	38.7	32.2	8.1	0.0	50.2	49.8	73.9	23.7	24.1

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	37.9	41.0	26.7	32.5	2.3	0.0	34.4	37.5	53.9	19.5	16.4
2	2390.0	38.5	39.2	29.1	31.5	3.0	0.0	39.1	39.8	53.9	14.8	14.1
3	2400.0	48.0	48.9	29.1	31.5	3.0	0.0	48.6	49.5	53.9	5.3	4.4
4	4824.0	27.5	27.7	33.4	30.7	3.9	0.8	34.9	35.1	53.9	19.0	18.8
5	7236.0	29.5	28.9	37.3	31.3	4.5	0.5	40.5	39.9	53.9	13.4	14.0
6	9648.0	29.1	29.5	39.5	32.0	5.4	0.5	42.5	42.9	53.9	11.4	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	-	-	-	-	-	-	-	-	53.9	-	-
8	14472.0	-	-	-	-	-	-	-	-	53.9	-	-
9	16884.0	-	-	-	-	-	-	-	-	53.9	-	-
10	19296.0	-	-	-	-	-	-	-	-	53.9	-	-
11	21708.0	-	-	-	-	-	-	-	-	53.9	-	-
12	24120.0	32.8	32.8	38.7	32.2	8.1	0.0	37.9	37.9	53.9	16.0	16.0

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

- *Except for the above table : All other spurious emissions were less than 20dB for the limit.
- *In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
- *The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
- *Hi-Pass Fiter was not used for factor 0.0dB of the above table.
- * - : No signal was detected.

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

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/10/2007, 04/12/2007
Power	: DC 3.3V	Temperature	: 23deg.C, 21deg.C
Mode	: IEEE802.11b 11Mbps 2437MHz	Humidity	: 31%, 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Makoto Kosaka, Hisayoshi Sato

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 [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1624.7	46.8	49.2	26.8	32.4	2.3	0.0	43.5	45.9	73.9	30.4	28.0
2	3249.4	43.8	44.2	30.6	31.2	3.4	0.0	46.6	47.0	73.9	27.3	26.9
3	4874.0	40.4	42.1	33.5	30.7	3.9	0.7	47.8	49.5	73.9	26.1	24.4
4	7311.0	40.8	40.1	37.4	31.3	4.6	0.5	52.0	51.3	73.9	21.9	22.6
5	9748.0	40.1	41.1	39.6	32.1	5.4	0.4	53.4	54.4	73.9	20.5	19.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	-	-	-	-	-	-	-	-	73.9	-	-
7	14622.0	-	-	-	-	-	-	-	-	73.9	-	-
8	17059.0	-	-	-	-	-	-	-	-	73.9	-	-
9	19496.0	-	-	-	-	-	-	-	-	73.9	-	-
10	21933.0	-	-	-	-	-	-	-	-	73.9	-	-
11	24370.0	45.5	45.6	38.4	32.2	8.2	0.0	50.4	50.5	73.9	23.5	23.4

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 [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1624.7	37.3	39.8	26.8	32.4	2.3	0.0	34.0	36.5	53.9	19.9	17.4
2	3249.4	34.1	34.3	30.6	31.2	3.4	0.0	36.9	37.1	53.9	17.0	16.8
3	4874.0	27.0	28.7	33.5	30.7	3.9	0.7	34.4	36.1	53.9	19.5	17.8
4	7311.0	29.0	28.8	37.4	31.3	4.6	0.5	40.2	40.0	53.9	13.7	13.9
5	9748.0	29.0	29.6	39.6	32.1	5.4	0.4	42.3	42.9	53.9	11.6	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	-	-	-	-	-	-	-	-	53.9	-	-
7	14622.0	-	-	-	-	-	-	-	-	53.9	-	-
8	17059.0	-	-	-	-	-	-	-	-	53.9	-	-
9	19496.0	-	-	-	-	-	-	-	-	53.9	-	-
10	21933.0	-	-	-	-	-	-	-	-	53.9	-	-
11	24370.0	33.1	33.1	38.4	32.2	8.2	0.0	38.0	38.0	53.9	15.9	15.9

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
* - : No signal was detected.

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

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/10/2007, 04/12/2007
Power	: DC 3.3V	Temperature	: 23deg.C, 21deg.C
Mode	: IEEE802.11b 11Mbps 2462MHz	Humidity	: 31%, 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Makoto Kosaka, Hisayoshi Sato

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	1641.4	48.8	49.7	26.9	32.4	2.4	0.0	45.7	46.6	73.9	28.2	27.3
2	2483.5	51.1	52.1	29.2	31.5	3.1	0.0	51.9	52.9	73.9	22.0	21.0
3	4924.0	39.6	42.0	33.6	30.7	4.0	0.7	47.2	49.6	73.9	26.7	24.3
4	7386.0	40.7	41.5	37.5	31.3	4.6	0.5	52.0	52.8	73.9	21.9	21.1
5	9848.0	41.3	41.6	39.7	32.1	5.4	0.3	54.6	54.9	73.9	19.3	19.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	-	-	-	-	-	-	-	-	73.9	-	-
7	14772.0	-	-	-	-	-	-	-	-	73.9	-	-
8	17234.0	-	-	-	-	-	-	-	-	73.9	-	-
9	19696.0	-	-	-	-	-	-	-	-	73.9	-	-
10	22158.0	-	-	-	-	-	-	-	-	73.9	-	-
11	24620.0	45.1	45.4	38.3	32.2	8.2	0.0	49.9	50.2	73.9	24.0	23.7

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1641.4	39.9	42.0	26.9	32.4	2.4	0.0	36.8	38.9	53.9	17.1	15.0
2	2483.5	35.8	37.0	29.2	31.5	3.1	0.0	36.6	37.8	53.9	17.3	16.1
3	4924.0	26.9	29.2	33.6	30.7	4.0	0.7	34.5	36.8	53.9	19.4	17.1
4	7386.0	29.7	29.3	37.5	31.3	4.6	0.5	41.0	40.6	53.9	12.9	13.3
5	9848.0	29.5	30.0	39.7	32.1	5.4	0.3	42.8	43.3	53.9	11.1	10.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	-	-	-	-	-	-	-	-	53.9	-	-
7	14772.0	-	-	-	-	-	-	-	-	53.9	-	-
8	17234.0	-	-	-	-	-	-	-	-	53.9	-	-
9	19696.0	-	-	-	-	-	-	-	-	53.9	-	-
10	22158.0	-	-	-	-	-	-	-	-	53.9	-	-
11	24620.0	33.0	33.0	38.3	32.2	8.2	0.0	37.8	37.8	53.9	16.1	16.1

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
* - : No signal was detected.

Radiated Spurious Emission (above 1GHz)
Tx, Ch:Low(11g)

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

Company : D & M holdings Inc. Denon Brand Company
Equipment : WLAN Mini PCI card Module
Model : MP-G-BR-05 Ext. 2
Sample No. : 06TC05528408
Power : DC 3.3V
Mode : IEEE802.11g 6Mbps 2412MHz
Remarks : Hor X-axis / Ver Y-axis
Report No. : 27HE0375-HO
Regulation : Fcc Part15 Subpart C 15.247(d)
Test distance : 3/1m
Date : 04/10/2007, 04/12/2007
Temperature : 23deg.C, 21deg.C
Humidity : 31%, 35%
Engineer : Makoto Kosaka, Hisayoshi Sato

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 [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	46.6	52.0	26.7	32.5	2.3	0.0	43.1	48.5	73.9	30.8	25.4
2	2390.0	69.2	72.4	29.1	31.5	3.0	0.0	69.8	73.0	73.9	4.1	0.9
3*	2400.0	79.1	85.5	29.1	31.5	3.0	0.0	79.7	86.1	73.9	-	-
4	4824.0	38.4	43.3	33.4	30.7	3.9	0.8	45.8	50.7	73.9	28.1	23.2
5	7236.0	40.8	41.2	37.3	31.3	4.5	0.5	51.8	52.2	73.9	22.1	21.7
6	9648.0	41.0	42.1	39.5	32.0	5.4	0.5	54.4	55.5	73.9	19.5	18.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	-	-	-	-	-	-	-	-	73.9	-	-
8	14472.0	-	-	-	-	-	-	-	-	73.9	-	-
9	16884.0	-	-	-	-	-	-	-	-	73.9	-	-
10	19296.0	-	-	-	-	-	-	-	-	73.9	-	-
11	21708.0	-	-	-	-	-	-	-	-	73.9	-	-
12	24120.0	46.5	46.1	38.7	32.2	8.1	0.0	51.6	51.2	73.9	22.3	22.7

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 [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	37.2	43.5	26.7	32.5	2.3	0.0	33.7	40.0	53.9	20.2	13.9
2	2390.0	46.7	47.6	29.1	31.5	3.0	0.0	47.3	48.2	53.9	6.6	5.7
3*	2400.0	58.6	59.7	29.1	31.5	3.0	0.0	59.2	60.3	53.9	-	-
4	4824.0	26.9	28.3	33.4	30.7	3.9	0.8	34.3	35.7	53.9	19.6	18.2
5	7236.0	29.1	29.1	37.3	31.3	4.5	0.5	40.1	40.1	53.9	13.8	13.8
6	9648.0	29.0	29.8	39.5	32.0	5.4	0.5	42.4	43.2	53.9	11.5	10.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	-	-	-	-	-	-	-	-	53.9	-	-
8	14472.0	-	-	-	-	-	-	-	-	53.9	-	-
9	16884.0	-	-	-	-	-	-	-	-	53.9	-	-
10	19296.0	-	-	-	-	-	-	-	-	53.9	-	-
11	21708.0	-	-	-	-	-	-	-	-	53.9	-	-
12	24120.0	33.3	33.2	38.7	32.2	8.1	0.0	38.4	38.3	53.9	15.5	15.6

* Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2412.0	103.4	106.0	29.1	31.5	3.0	0.0	104.0	106.6	-	-	-
3	2400.0	66.5	66.8	29.1	31.5	3.0	0.0	67.1	67.4	Funda-20dB	16.9	19.2

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

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

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

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

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

* - : No signal was detected.

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

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/10/2007, 04/12/2007
Power	: DC 3.3V	Temperature	: 23deg.C, 21deg.C
Mode	: IEEE802.11g 6Mbps 2437MHz	Humidity	: 31%, 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Makoto Kosaka, Hisayoshi Sato

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 [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1624.7	46.6	50.6	26.8	32.4	2.3	0.0	43.3	47.3	73.9	30.6	26.6
2	3249.4	43.6	43.8	30.6	31.2	3.4	0.0	46.4	46.6	73.9	27.5	27.3
3	4874.0	38.8	39.6	33.5	30.7	3.9	0.7	46.2	47.0	73.9	27.7	26.9
4	7311.0	40.2	40.9	37.4	31.3	4.6	0.5	51.4	52.1	73.9	22.5	21.8
5	9748.0	40.8	42.0	39.6	32.1	5.4	0.4	54.1	55.3	73.9	19.8	18.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	-	-	-	-	-	-	-	-	73.9	-	-
7	14622.0	-	-	-	-	-	-	-	-	73.9	-	-
8	17059.0	-	-	-	-	-	-	-	-	73.9	-	-
9	19496.0	-	-	-	-	-	-	-	-	73.9	-	-
10	21933.0	-	-	-	-	-	-	-	-	73.9	-	-
11	24370.0	45.0	44.7	38.4	32.2	8.2	0.0	49.9	49.6	73.9	24.0	24.3

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 [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1624.7	38.4	45.2	26.8	32.4	2.3	0.0	35.1	41.9	53.9	18.8	12.0
2	3249.4	36.2	36.0	30.6	31.2	3.4	0.0	39.0	38.8	53.9	14.9	15.1
3	4874.0	27.2	27.0	33.5	30.7	3.9	0.7	34.6	34.4	53.9	19.3	19.5
4	7311.0	28.8	28.5	37.4	31.3	4.6	0.5	40.0	39.7	53.9	13.9	14.2
5	9748.0	29.4	29.2	39.6	32.1	5.4	0.4	42.7	42.5	53.9	11.2	11.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	-	-	-	-	-	-	-	-	53.9	-	-
7	14622.0	-	-	-	-	-	-	-	-	53.9	-	-
8	17059.0	-	-	-	-	-	-	-	-	53.9	-	-
9	19496.0	-	-	-	-	-	-	-	-	53.9	-	-
10	21933.0	-	-	-	-	-	-	-	-	53.9	-	-
11	24370.0	32.9	32.9	38.4	32.2	8.2	0.0	37.8	37.8	53.9	16.1	16.1

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
* - : No signal was detected.

Radiated Spurious Emission
Tx, Ch:High(11g)

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/10/2007, 04/12/2007
Power	: DC 3.3V	Temperature	: 23deg.C, 21deg.C
Mode	: IEEE802.11g 6Mbps 2462MHz	Humidity	: 31%, 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Makoto Kosaka, Hisayoshi Sato

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 [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1641.4	48.6	52.3	26.9	32.4	2.4	0.0	45.5	49.2	73.9	28.4	24.7
2	2483.5	71.1	71.5	29.2	31.5	3.1	0.0	71.9	72.3	73.9	2.0	1.6
3	4924.0	38.1	41.8	33.6	30.7	4.0	0.7	45.7	49.4	73.9	28.2	24.5
4	7386.0	41.5	40.0	37.5	31.3	4.6	0.5	52.8	51.3	73.9	21.1	22.6
5	9848.0	42.7	42.6	39.7	32.1	5.4	0.3	56.0	55.9	73.9	17.9	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	-	-	-	-	-	-	-	-	73.9	-	-
7	14772.0	-	-	-	-	-	-	-	-	73.9	-	-
8	17234.0	-	-	-	-	-	-	-	-	73.9	-	-
9	19696.0	-	-	-	-	-	-	-	-	73.9	-	-
10	22158.0	-	-	-	-	-	-	-	-	73.9	-	-
11	24620.0	45.3	44.9	38.3	32.2	8.2	0.0	50.1	49.7	73.9	23.8	24.2

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 [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1641.4	43.0	45.9	26.9	32.4	2.4	0.0	39.9	42.8	53.9	14.0	11.1
2	2483.5	43.0	44.5	29.2	31.5	3.1	0.0	43.8	45.3	53.9	10.1	8.6
3	4924.0	27.0	28.2	33.6	30.7	4.0	0.7	34.6	35.8	53.9	19.3	18.1
4	7386.0	29.4	28.8	37.5	31.3	4.6	0.5	40.7	40.1	53.9	13.2	13.8
5	9848.0	30.4	31.0	39.7	32.1	5.4	0.3	43.7	44.3	53.9	10.2	9.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	-	-	-	-	-	-	-	-	53.9	-	-
7	14772.0	-	-	-	-	-	-	-	-	53.9	-	-
8	17234.0	-	-	-	-	-	-	-	-	53.9	-	-
9	19696.0	-	-	-	-	-	-	-	-	53.9	-	-
10	22158.0	-	-	-	-	-	-	-	-	53.9	-	-
11	24620.0	33.1	33.0	38.3	32.2	8.2	0.0	37.9	37.8	53.9	16.0	16.1

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
* - : No signal was detected.

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

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/12/2007
Power	: DC 3.3V	Temperature	: 21deg.C
Mode	: IEEE802.11b, Rx 2437MHz	Humidity	: 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Hisayoshi Sato

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	1025.1	52.2	58.9	23.3	34.6	1.6	0.0	42.5	49.2	73.9	31.4	24.7
2	2248.6	49.9	47.9	26.2	32.1	2.4	0.0	46.4	44.4	73.9	27.5	29.5
3	2437.0	42.2	43.9	26.7	32.1	2.5	0.0	39.3	41.0	73.9	34.6	32.9
4	4874.0	40.5	40.7	31.0	31.2	3.4	0.0	43.7	43.9	73.9	30.2	30.0
5	7311.0	41.2	41.8	35.4	32.5	4.3	0.0	48.4	49.0	73.9	25.5	24.9

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1025.1	44.8	51.6	23.3	34.6	1.6	0.0	35.1	41.9	53.9	18.8	12.0
2	2248.6	43.5	39.8	26.2	32.1	2.4	0.0	40.0	36.3	53.9	13.9	17.6
3	2437.0	39.7	35.2	26.7	32.1	2.5	0.0	36.8	32.3	53.9	17.1	21.6
4	4874.0	28.5	28.4	31.0	31.2	3.4	0.0	31.7	31.6	53.9	22.2	22.3
5	7311.0	29.4	29.4	35.4	32.5	4.3	0.0	36.6	36.6	53.9	17.3	17.3

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission
Rx, Ch:Mid(11g)

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

Company	: D & M holdings Inc. Denon Brand Company	Report No.	: 27HE0375-HO
Equipment	: WLAN Mini PCI card Module	Regulation	: Fcc Part15 Subpart C 15.247(d)
Model	: MP-G-BR-05 Ext. 2	Test distance	: 3/1m
Sample No.	: 06TC05528408	Date	: 04/12/2007
Power	: DC 3.3V	Temperature	: 21deg.C
Mode	: IEEE802.11g, Rx 2437MHz	Humidity	: 35%
Remarks	: Hor X-axis / Ver Y-axis	Engineer	: Hisayoshi Sato

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

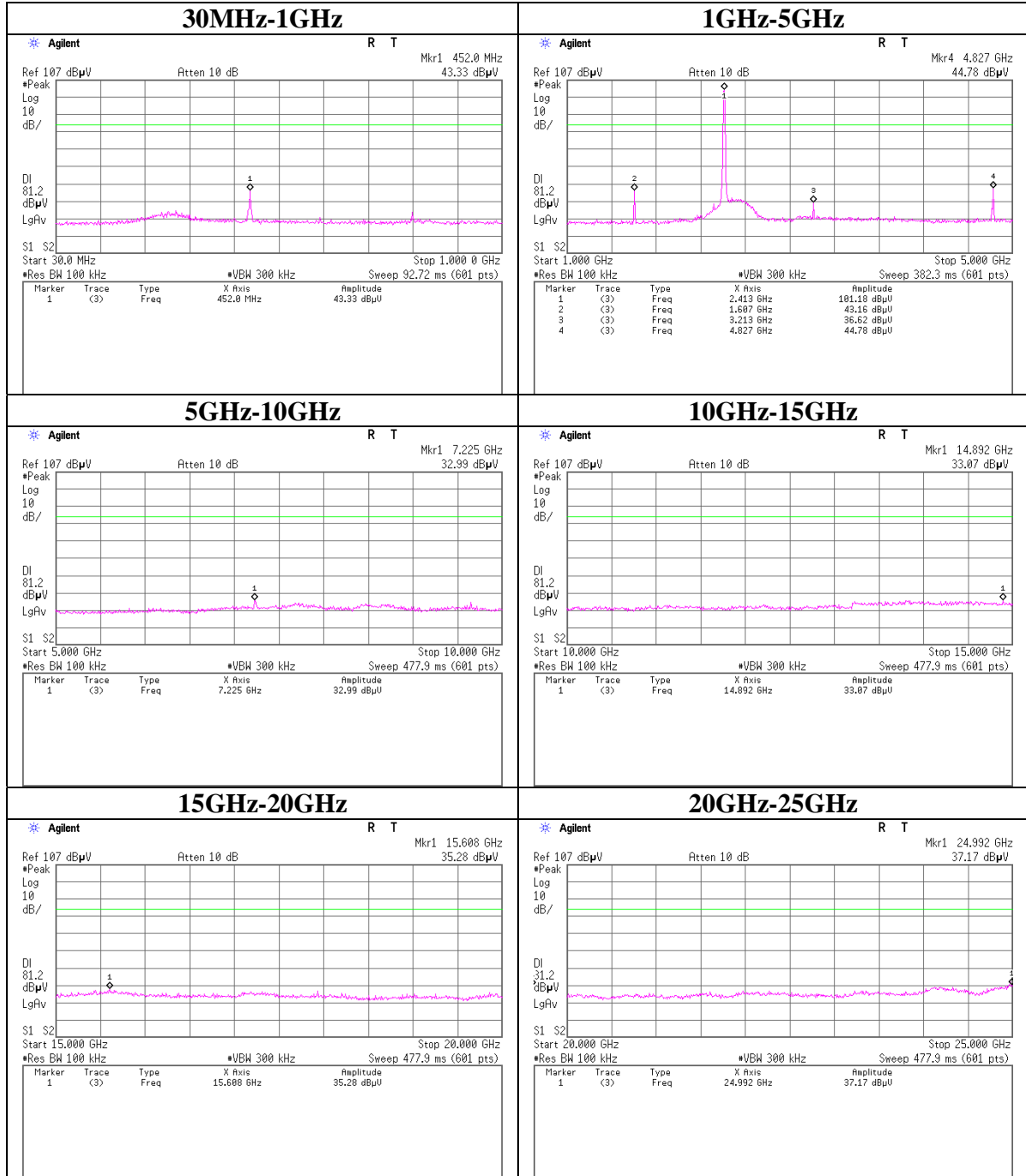
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]		[dB]		
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1025.1	53.9	56.7	23.3	34.6	1.6	0.0	44.2	47.0	73.9	29.7	26.9
2	2248.7	49.0	47.0	26.2	32.1	2.4	0.0	45.5	43.5	73.9	28.4	30.4
3	2437.0	46.3	44.3	26.7	32.1	2.5	0.0	43.4	41.4	73.9	30.5	32.5
4	4874.0	40.8	40.3	31.0	31.2	3.4	0.0	44.0	43.5	73.9	29.9	30.4
5	7311.0	42.3	41.4	35.4	32.5	4.3	0.0	49.5	48.6	73.9	24.4	25.3

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

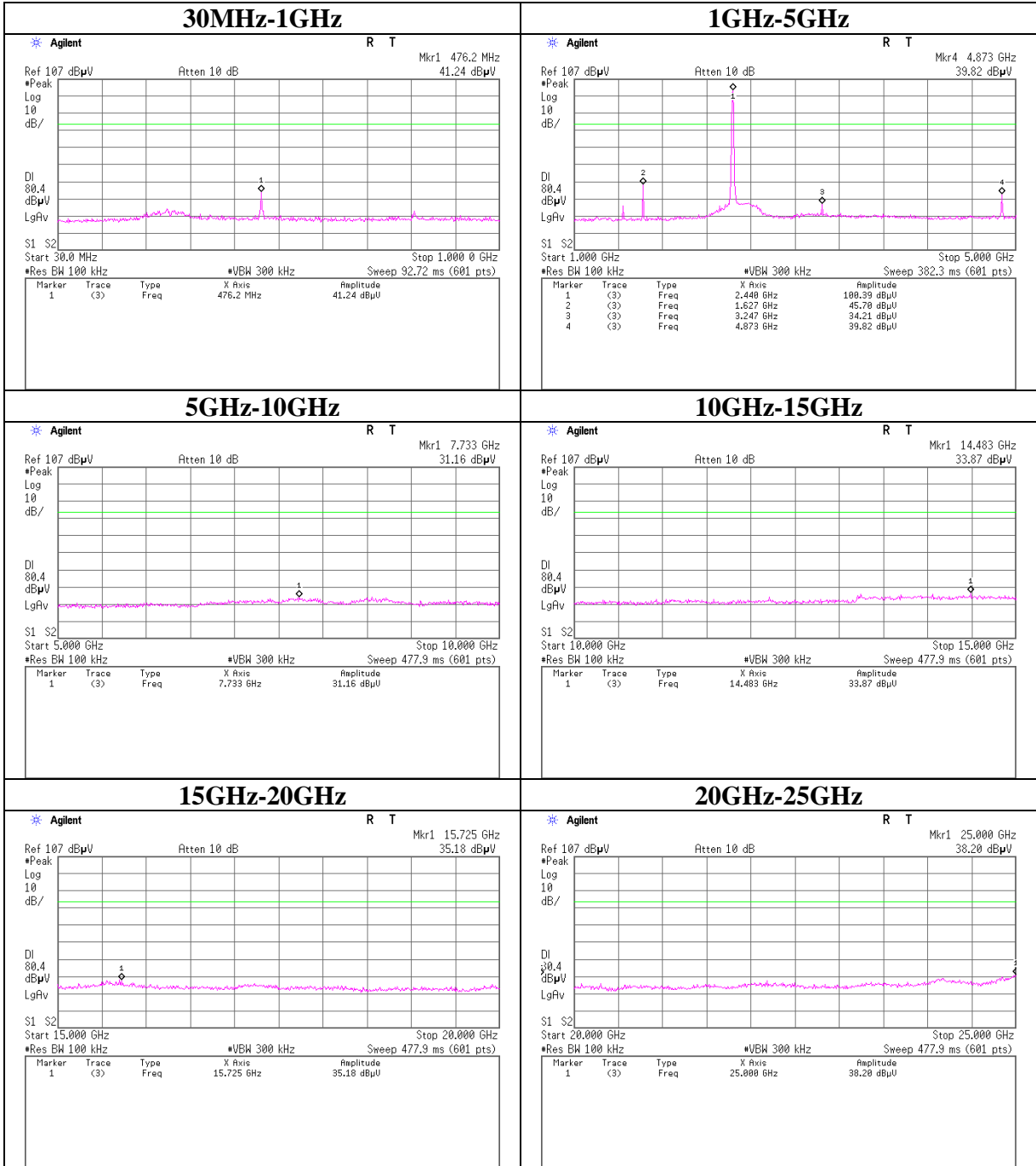
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]		[dB]		
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1025.1	45.3	50.2	23.3	34.6	1.6	0.0	35.6	40.5	53.9	18.3	13.4
2	2248.7	42.5	39.5	26.2	32.1	2.4	0.0	39.0	36.0	53.9	14.9	17.9
3	2437.0	40.9	34.3	26.7	32.1	2.5	0.0	38.0	31.4	53.9	15.9	22.5
4	4874.0	28.4	28.4	31.0	31.2	3.4	0.0	31.6	31.6	53.9	22.3	22.3
5	7311.0	29.4	29.4	35.4	32.5	4.3	0.0	36.6	36.6	53.9	17.3	17.3

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

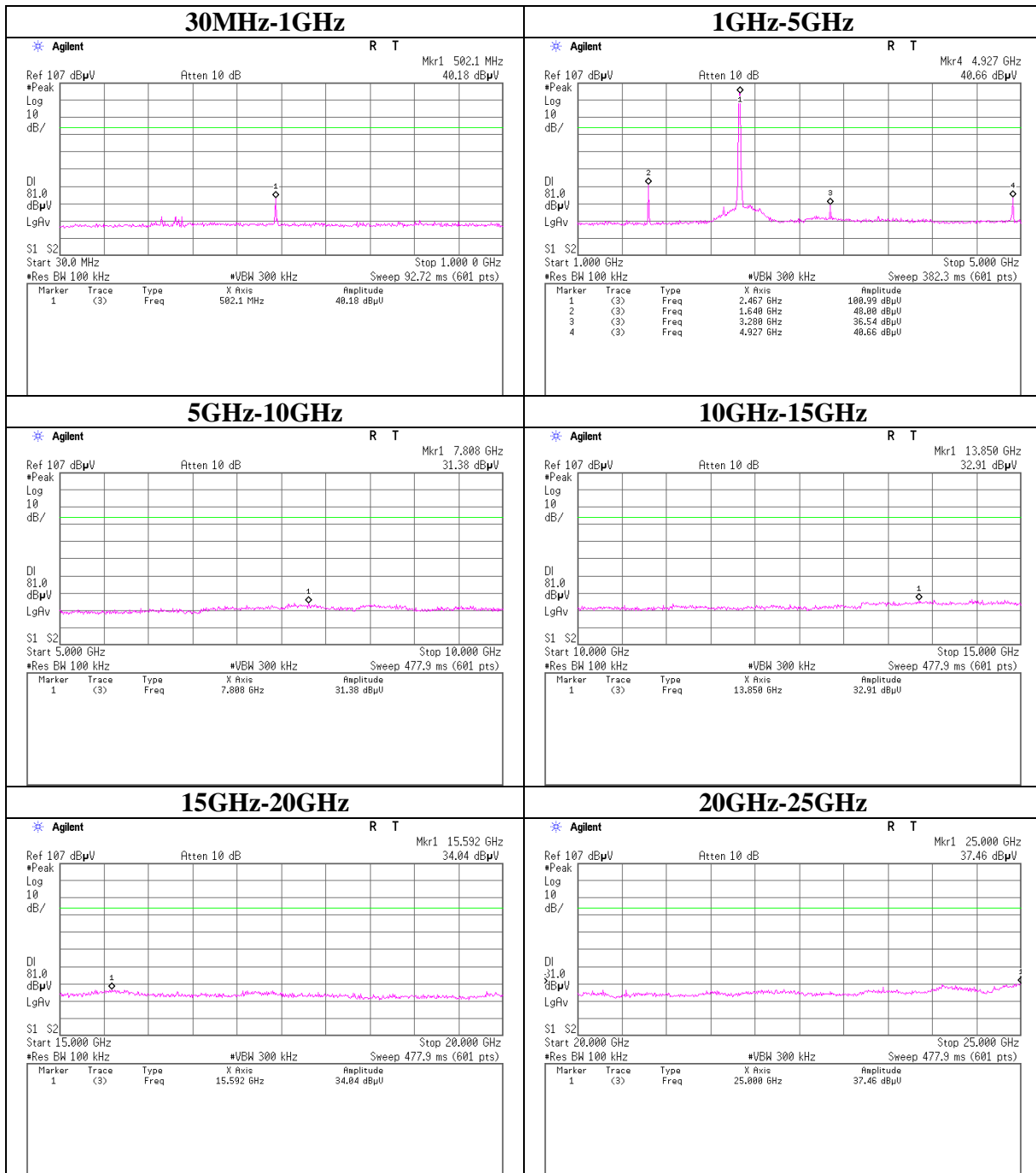
Conducted Spurious Emission
Tx 11b 11Mbps, Ch: Low



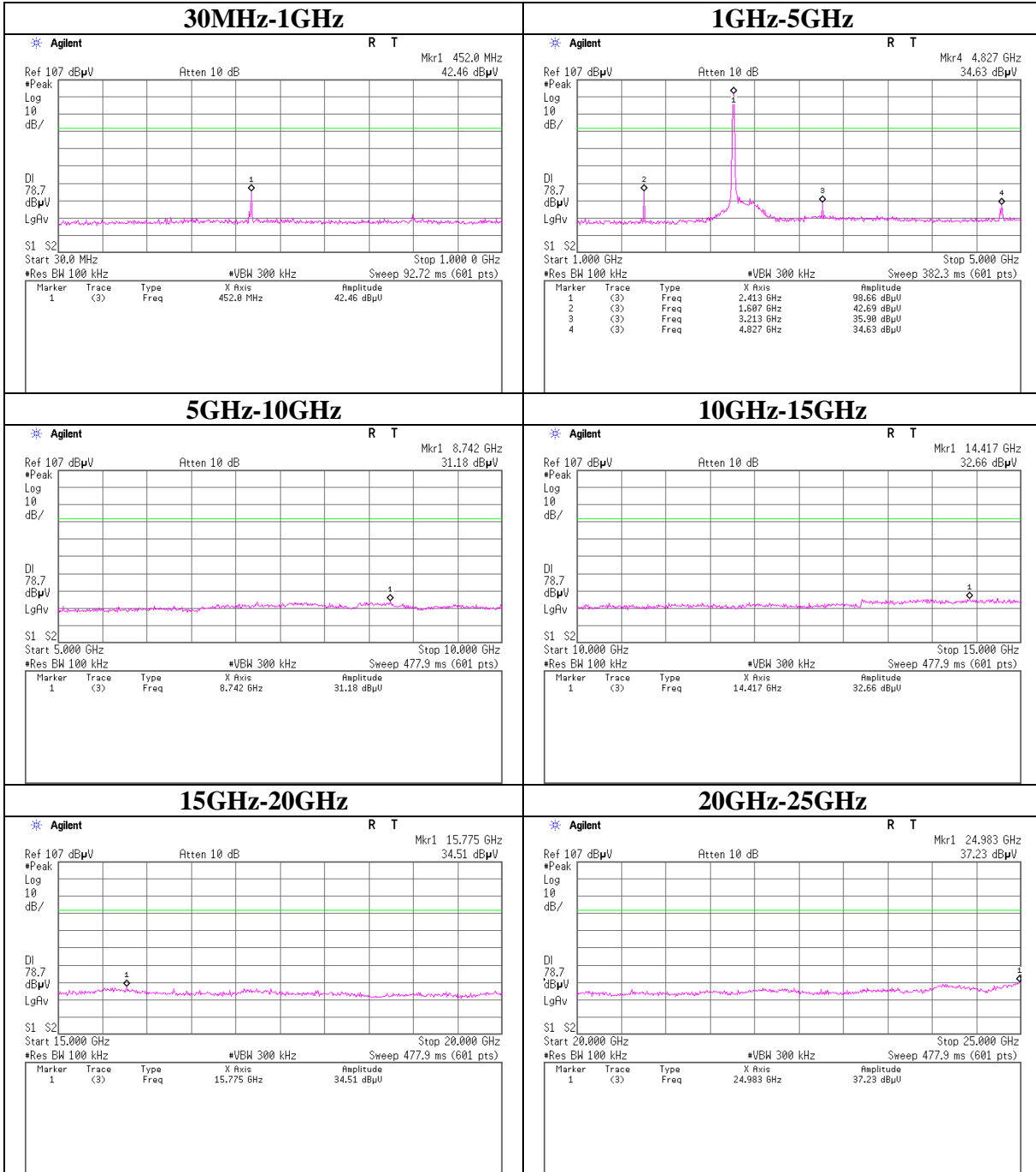
Conducted Spurious Emission
Tx 11b 11Mbps, Ch: Mid



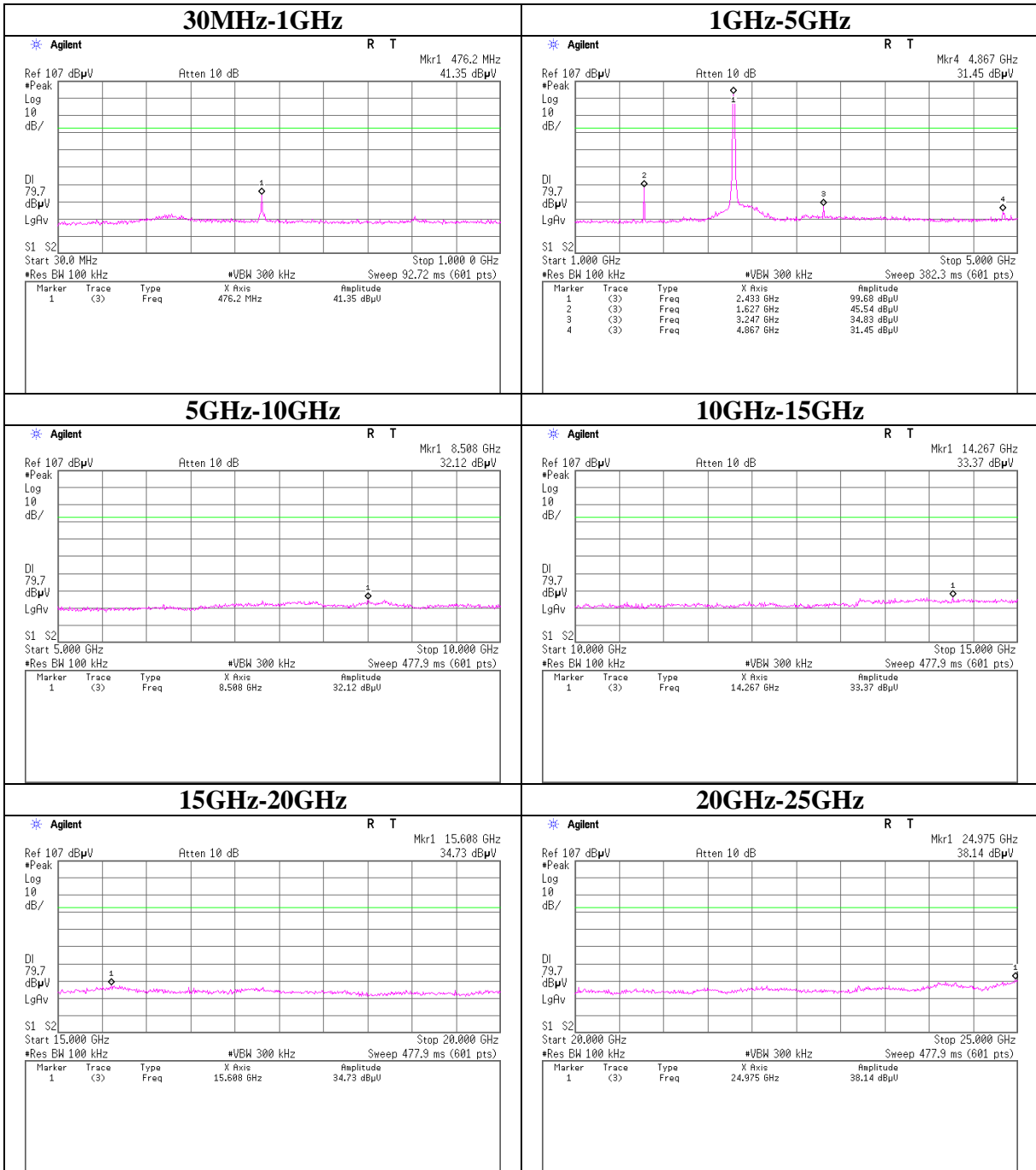
Conducted Spurious Emission
Tx 11b 11Mbps, Ch: High



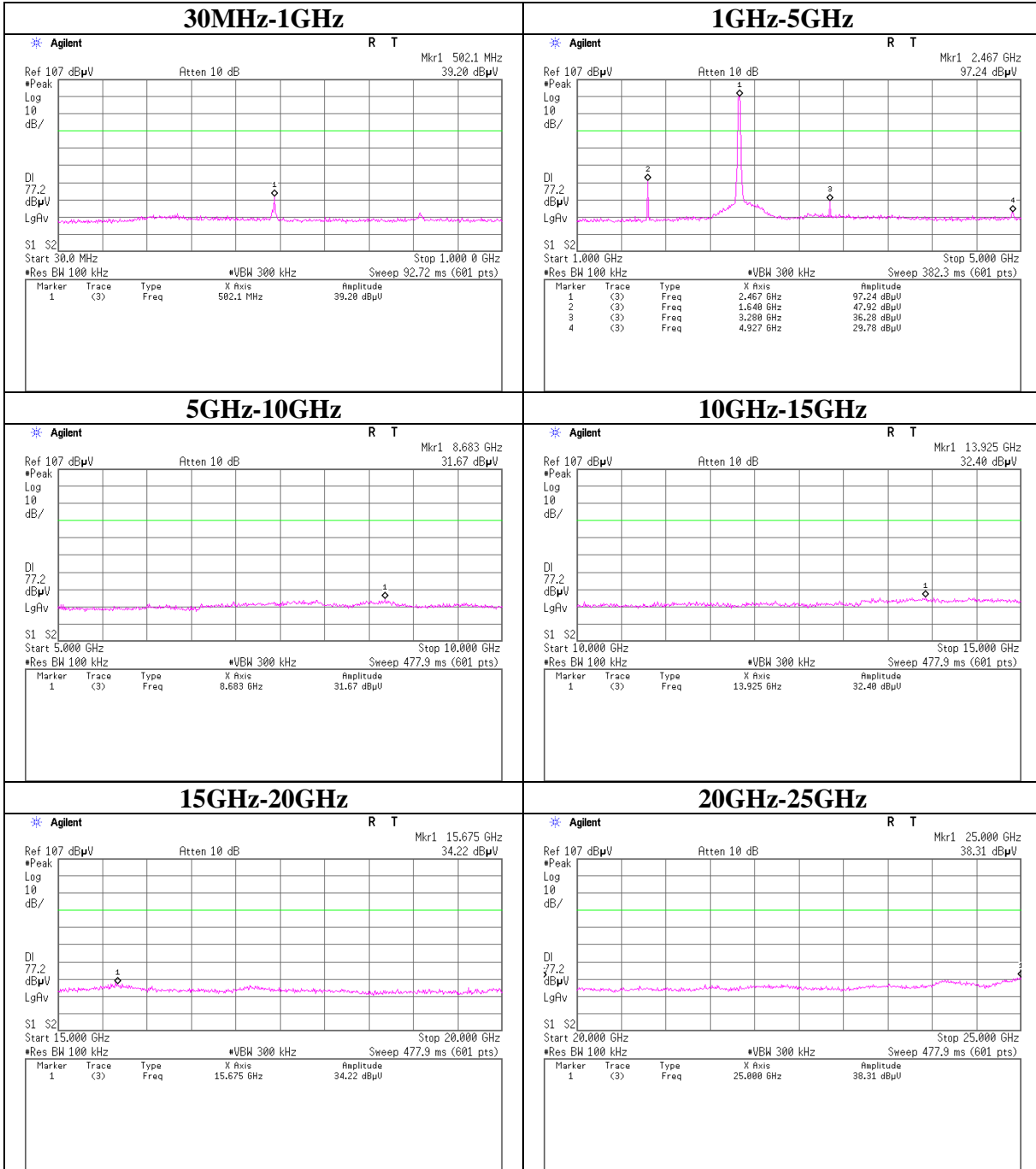
Conducted Spurious Emission
Tx 11g 6Mbps, Ch: Low



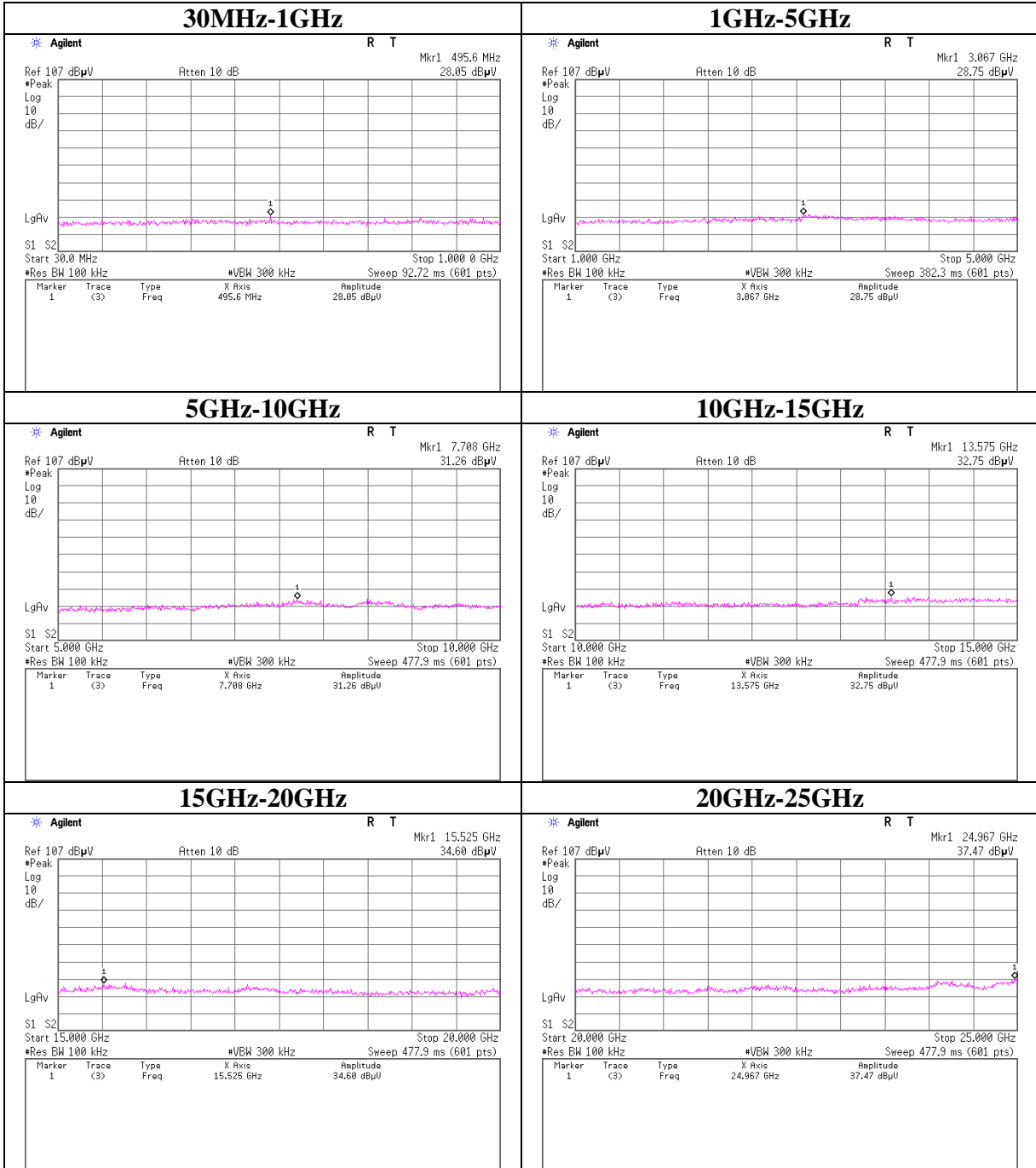
Conducted Spurious Emission
Tx 11g 6Mbps, Ch: Mid



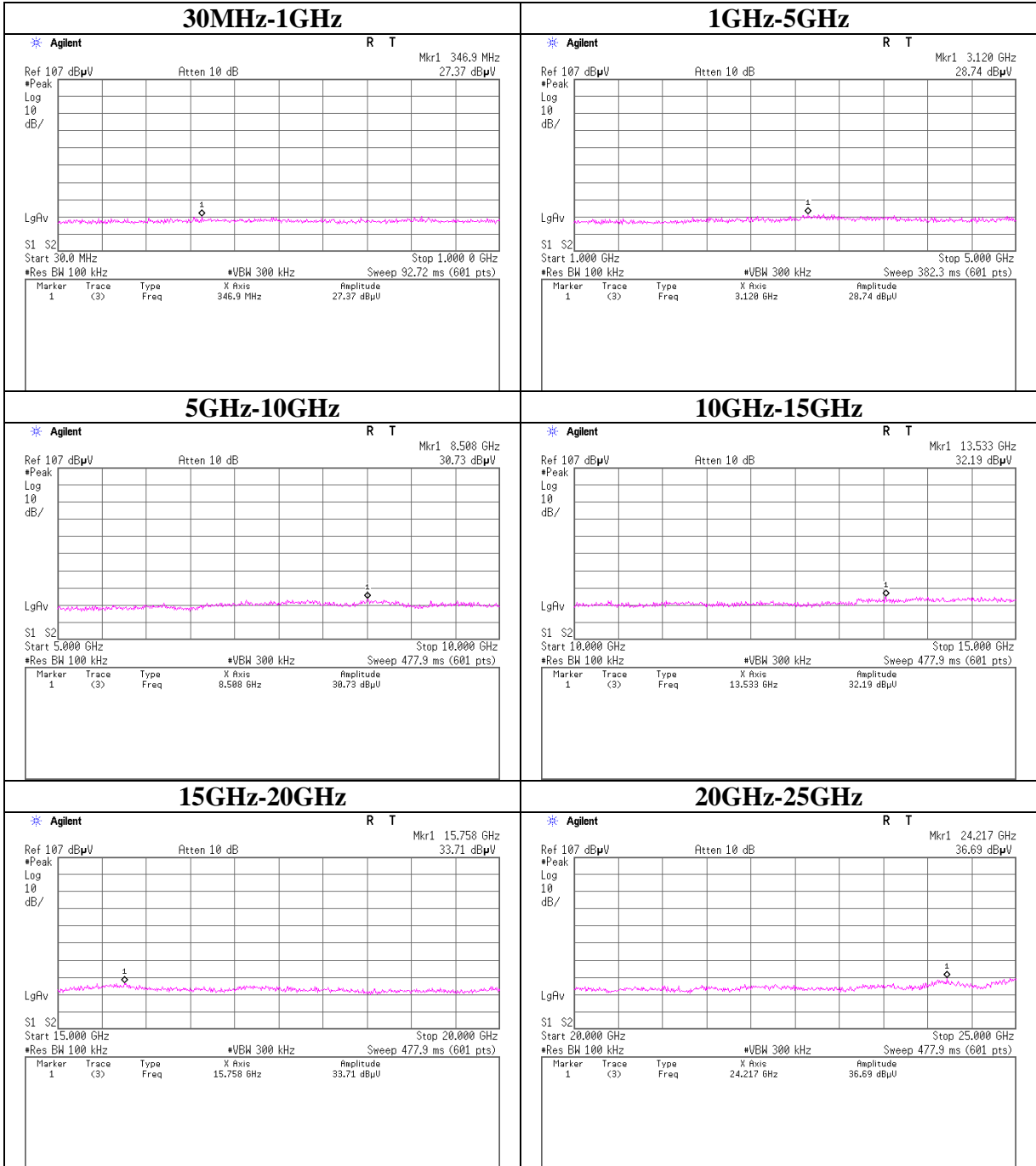
Conducted Spurious Emission
Tx 11g 6Mbps, Ch: High



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

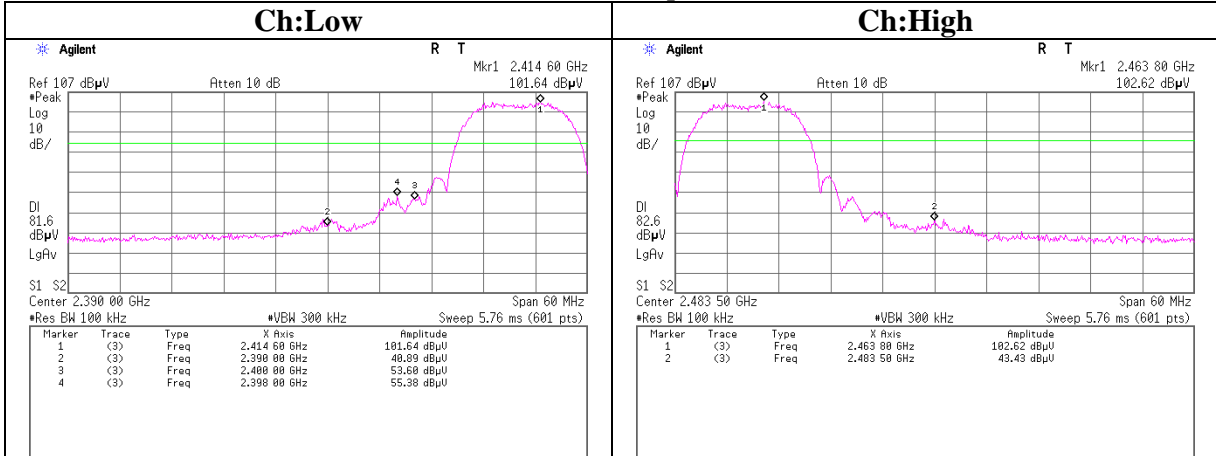


Conducted Spurious Emission
Rx 11g 6Mbps, Ch: Mid

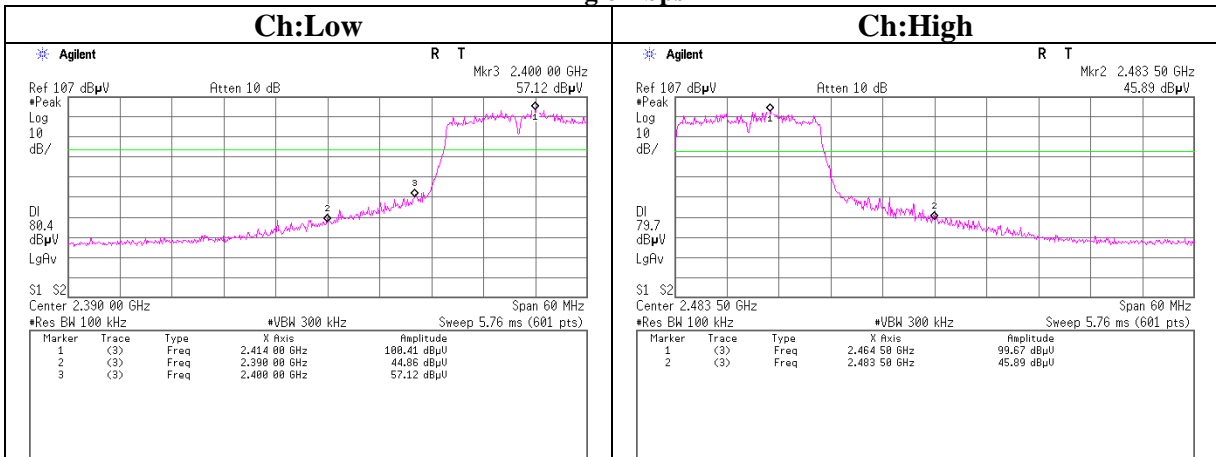


Conducted emission Band Edge compliance

11b 11Mbps



11g 6Mbps



Power Density

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

Company : D & M Holdings Inc., Denon Brand Company REPORT NO : 27HE0375-HO
Equipment : WLAN Mini PCI card Module REGULATION : FCC15.247(e)/RSS-210A8.2(2)
Model : MP-G-BR-05, Ext.2 TEST DISTANCE : -
Serial No. : 06TC05528408 DATE : 04/09/2007
Power : DC 3.3V TEMPERATURE : 23 deg.C.
Mode : Tx IEEE802.11b 11Mbps, HUMIDITY : 51%
 : Tx IEEE802.11g 6Mbps ENGINEER : Hisayoshi Sato

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2415.3	-19.19	2.13	10.02	-7.0	8.0	15.0
Mid	2439.9	-19.08	2.14	10.02	-6.9	8.0	14.9
High	2461.4	-19.80	2.00	10.02	-7.8	8.0	15.8

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

[IEEE802.11g]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2410.0	-18.42	2.13	10.02	-6.3	8.0	14.3
Mid	2440.0	-19.51	2.14	10.02	-7.4	8.0	15.4
High	2463.0	-20.76	2.00	10.02	-8.7	8.0	16.7

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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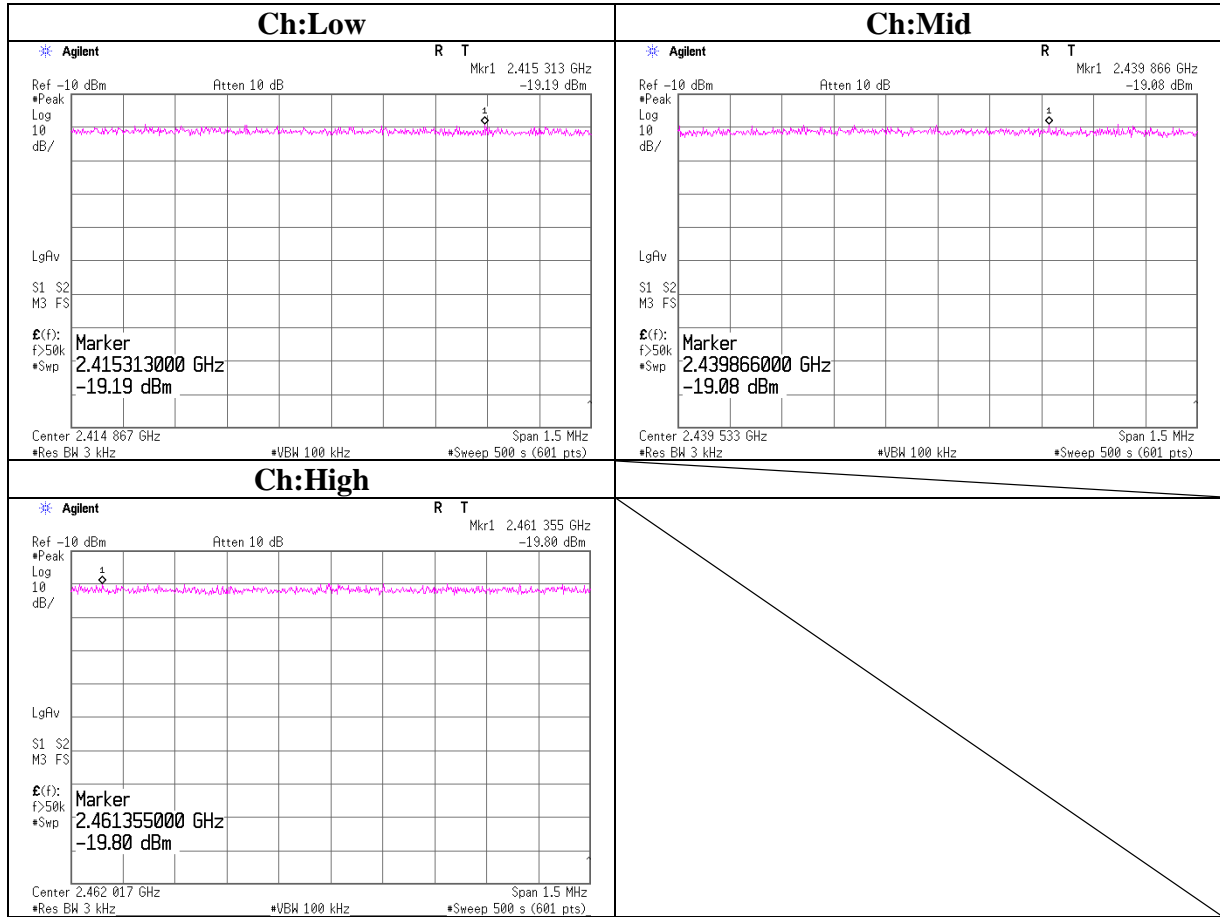
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)

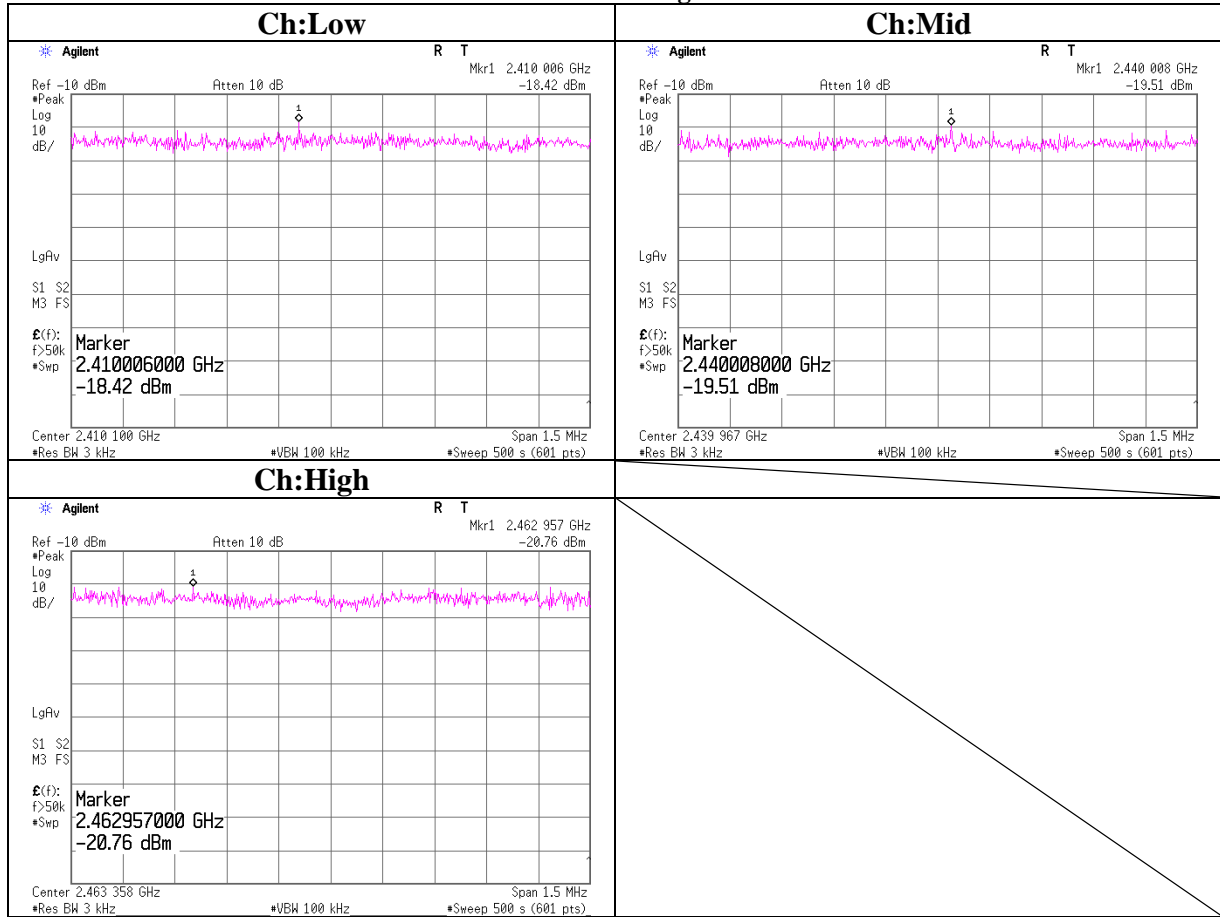
Power Density

IEEE802.11b



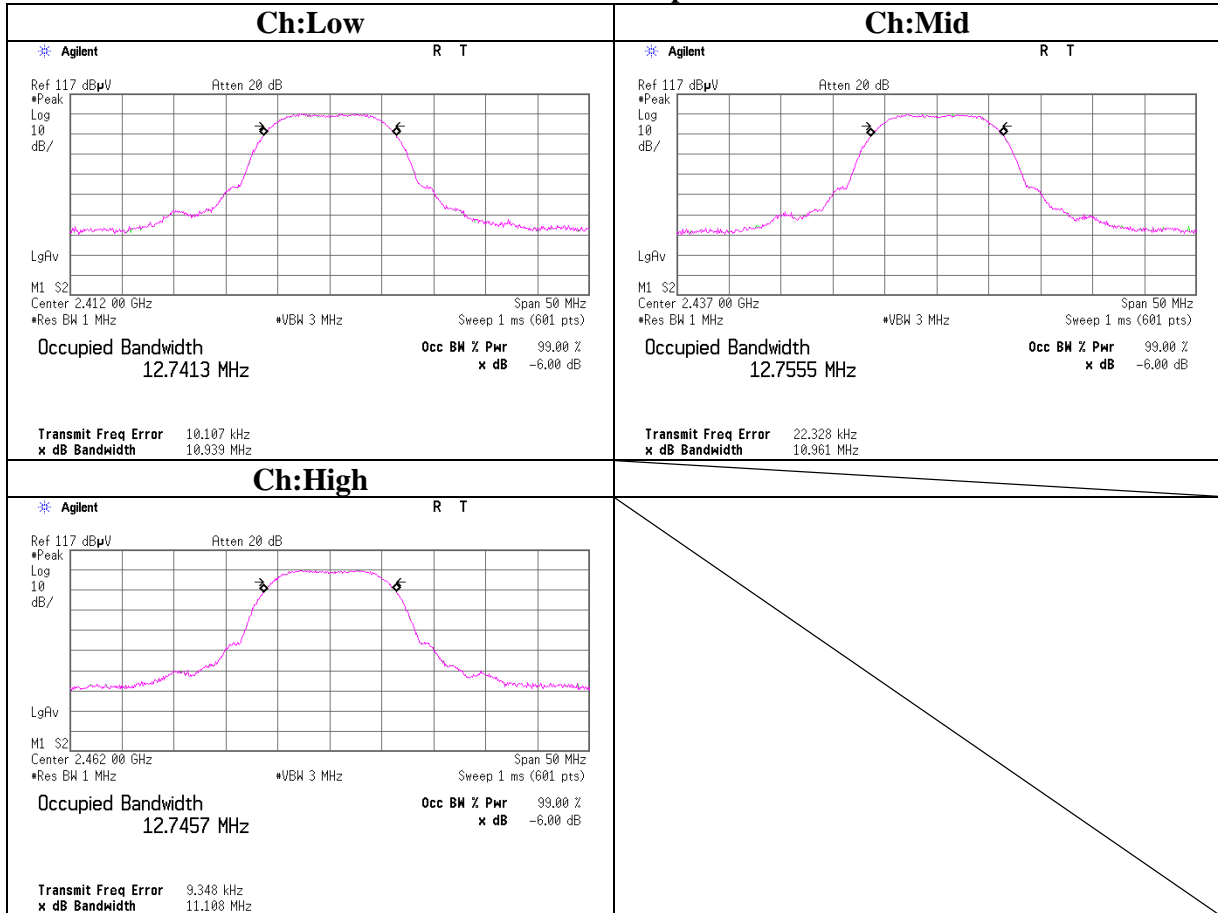
Power Density

IEEE802.11g



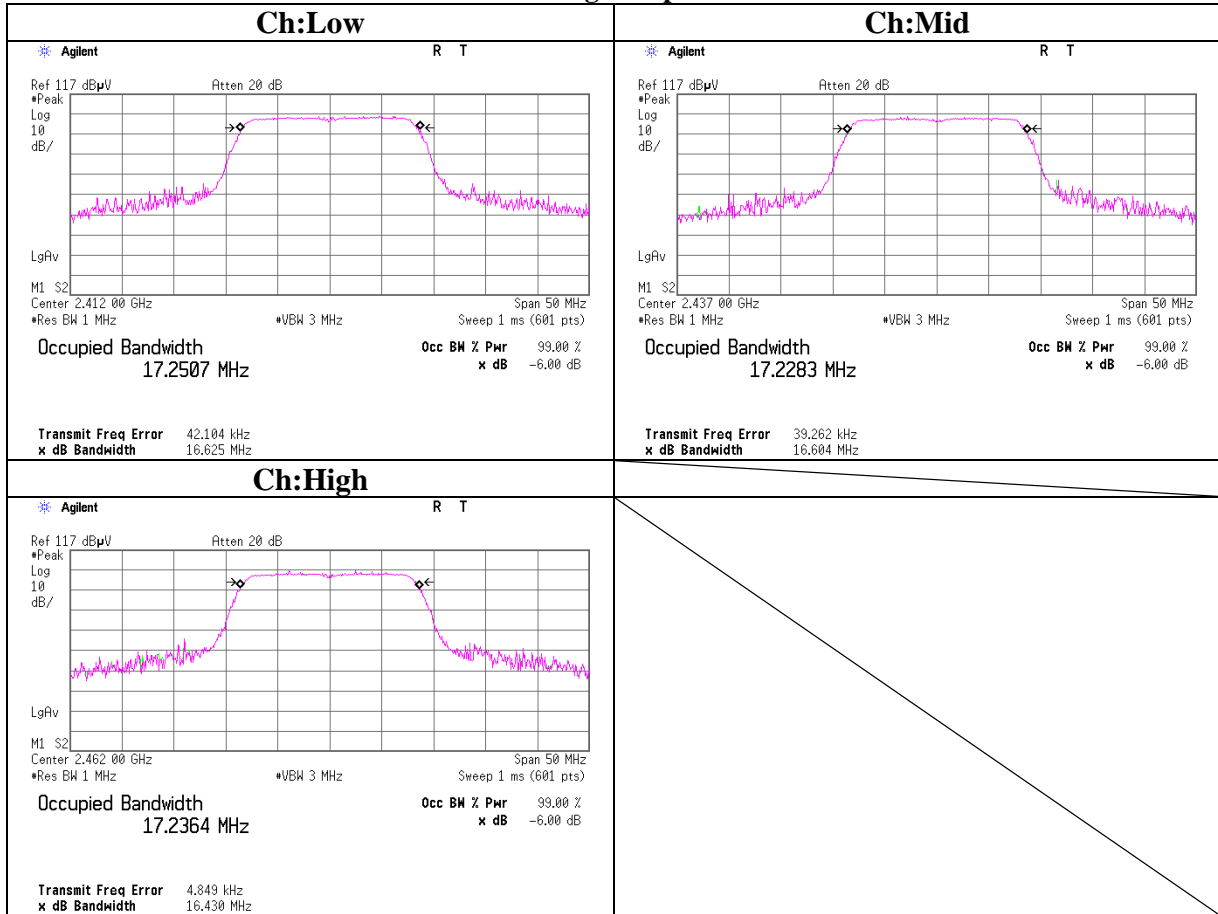
99% Occupied Bandwidth

11b 11Mbps



99% Occupied Bandwidth

11g 6Mbps



APPENDIX 3:Test instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/05 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/04/06 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/02 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/29 * 12
MHF-12	High Pass Filter 3.5-18GHz	TOKIMEC	TF323DCA	RE	2006/12/18 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE	2006/12/08 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE, CE	-
MJM-06	Measure	PROMART	SEN1955	RE	-
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE, CE	2007/03/03 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE, CE	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE, CE	-
MTR-06	Test Receiver	Rohde & Schwarz	ESCS30	RE, CE	2006/09/12 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE, CE	2006/05/20 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2007/01/19 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MCC-50	Coaxial cable	UL Apex	-	RE, CE	2007/03/06 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/12 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/30 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/12 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12

UL Apex Co., Ltd.

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EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE(EUT)	2007/02/22 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE(AE)	2007/02/22 * 12
MTA-06	Terminator	MCL	BTRM-50	CE	2007/02/01 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2006/06/02 * 12
MCC-37	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	AT	2006/11/13 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	2006/08/29 * 12
MPM-08	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2007/03/07 * 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.

Test Item:

CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted test

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(14.06.06)