

APPENDIX 2: Data of EMI test

Conducted Emission 11b, Tx

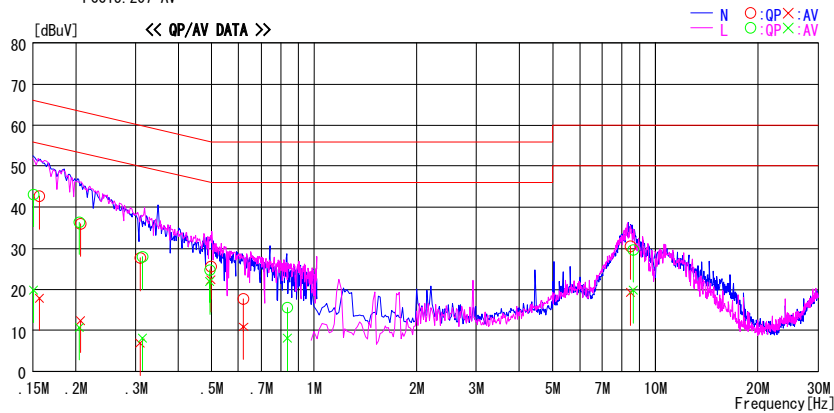
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004
Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg.C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11b Tx 2412MHz, 11Mbps

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]		
0.15641	42.6	17.9	0.0	42.6	17.9	65.7	55.7	23.1	37.8	N	
0.20664	35.9	12.4	0.1	36.0	12.5	63.3	53.3	27.3	40.6	N	
0.30881	27.6	6.8	0.1	27.7	6.9	60.0	50.0	32.3	43.1	N	
0.49708	25.5	22.3	0.1	25.6	22.4	56.0	46.0	30.4	23.6	N	
0.62208	17.6	10.8	0.1	17.7	10.9	56.0	46.0	38.3	35.1	N	
8.45187	30.0	18.8	0.5	30.5	19.3	60.0	50.0	29.5	30.7	N	
0.15051	43.1	19.9	0.0	43.1	19.9	66.0	56.0	22.9	36.1	L	
0.20486	36.3	10.6	0.1	36.4	10.7	63.4	53.4	27.0	42.7	L	
0.31467	27.9	8.0	0.1	28.0	8.1	59.8	49.8	31.8	41.7	L	
0.49421	24.7	21.8	0.1	24.8	21.9	56.1	46.1	31.3	24.2	L	
0.83561	15.5	8.0	0.1	15.6	8.1	56.0	46.0	40.4	37.9	L	
8.63245	29.2	19.3	0.5	29.7	19.8	60.0	50.0	30.3	30.2	L	

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

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

Conducted Emission 11b, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11b Tx 2437MHz, 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

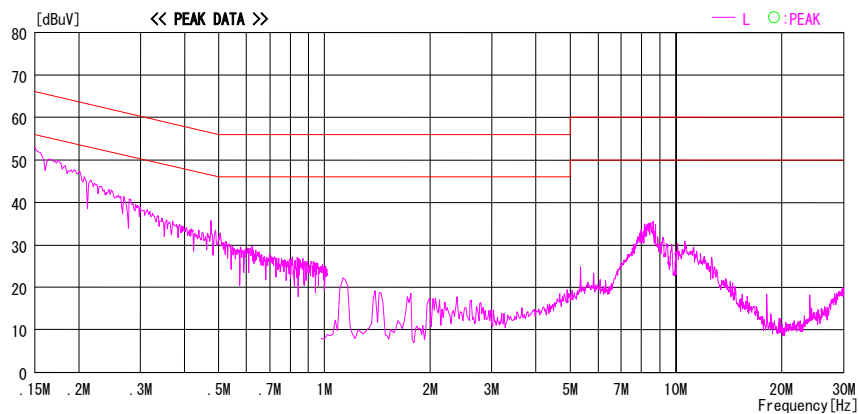
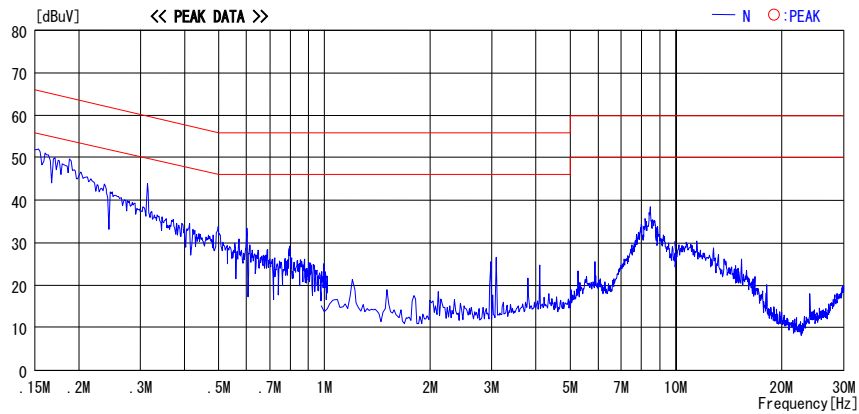


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission 11b, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11b Tx 2462MHz, 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

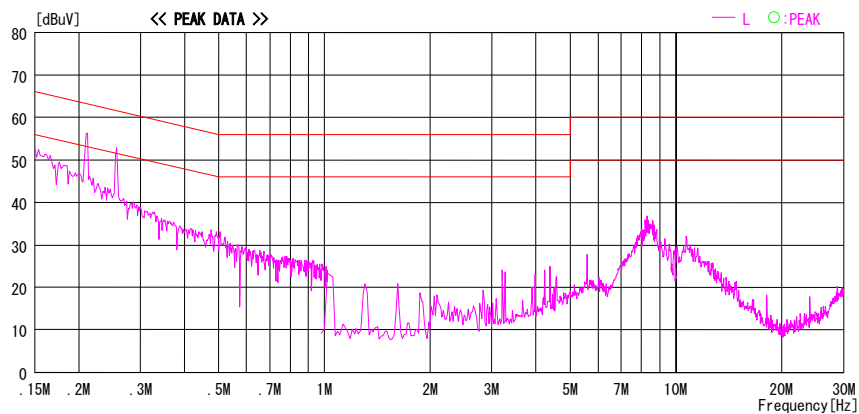
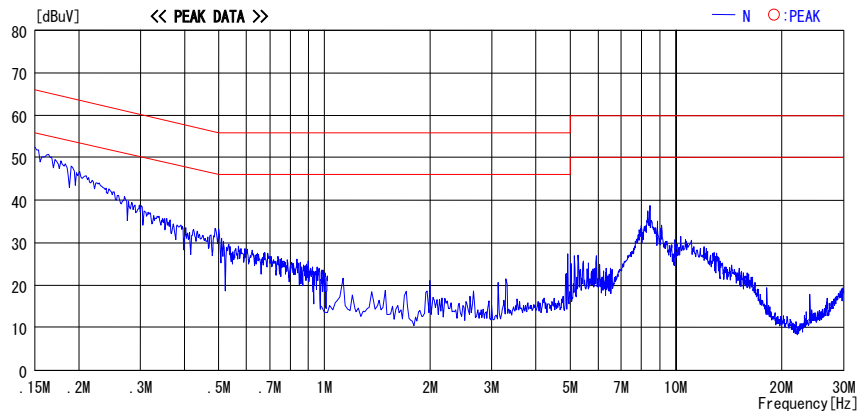


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

11g, Tx

DATA OF CONDUCTED EMISSION TEST

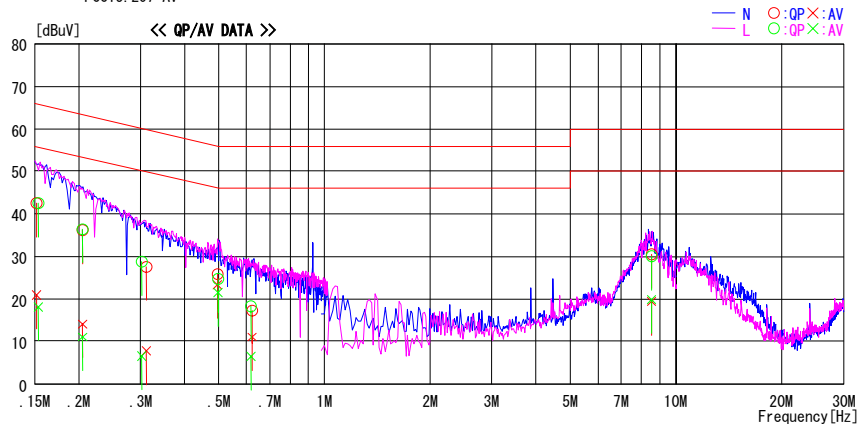
UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11g Tx 2412MHz, 6Mbps

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]		
0.15181	42.5	20.9	0.0	42.5	20.9	65.9	55.9	23.4	35.0	N	
0.20512	36.1	14.0	0.1	36.2	14.1	63.4	53.4	27.2	39.3	N	
0.31140	27.5	7.6	0.1	27.6	7.7	59.9	49.9	32.3	42.2	N	
0.49621	25.8	23.3	0.1	25.9	23.4	56.1	46.1	30.2	22.7	N	
0.62271	17.3	10.9	0.1	17.4	11.0	56.0	46.0	38.6	35.0	N	
8.52241	30.0	18.9	0.5	30.5	19.4	60.0	50.0	29.5	30.6	N	
0.15352	42.5	18.1	0.0	42.5	18.1	65.8	55.8	23.3	37.7	L	
0.20461	36.3	10.9	0.1	36.4	11.0	63.4	53.4	27.0	42.4	L	
0.30212	28.7	6.4	0.1	28.8	6.5	60.2	50.2	31.4	43.7	L	
0.49731	24.7	21.4	0.1	24.8	21.5	56.0	46.0	31.2	24.5	L	
0.61784	18.2	6.3	0.1	18.3	6.4	56.0	46.0	37.7	39.6	L	
8.52286	29.6	19.4	0.5	30.1	19.9	60.0	50.0	29.9	30.1	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.

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

Conducted Emission

11g, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room

Date : 2008/07/04

Company : NEC Corporation

Kind of EUT : Factory Computer as FC-NOTE Series

Model No. : FC-N22A

Serial No. : PP-004

Report No. : 28HE0115-HO-02

Power : AC 120V / 60Hz

Temp./Humi. : 20deg. C / 43%

Engineer : Kazufumi Nakai

Mode / Remarks : 11g Tx 2437MHz, 6Mbps

LIMIT : FCC15.207 QP

FCC15.207 AV

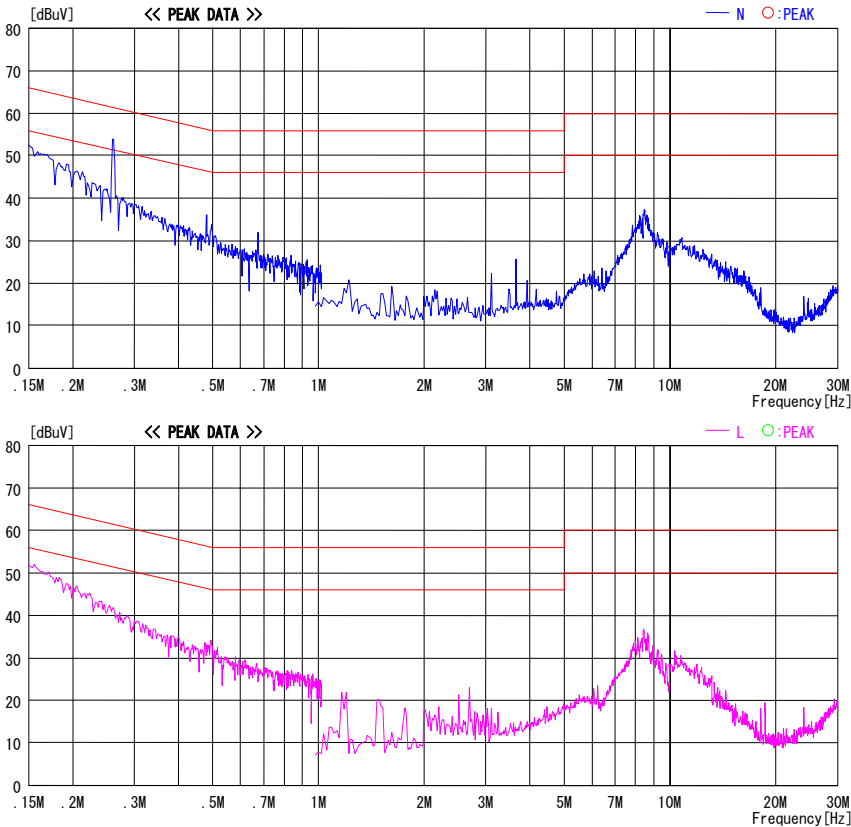


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

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

Conducted Emission

11g, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room

Date : 2008/07/04

Company : NEC Corporation

Kind of EUT : Factory Computer as FC-NOTE Series

Model No. : FC-N22A

Serial No. : PP-004

Report No. : 28HE0115-HO-02

Power : AC 120V / 60Hz

Temp./Humi. : 20deg. C / 43%

Engineer : Kazufumi Nakai

Mode / Remarks : 11g Tx 2462MHz, 6Mbps

LIMIT : FCC15.207 QP

FCC15.207 AV

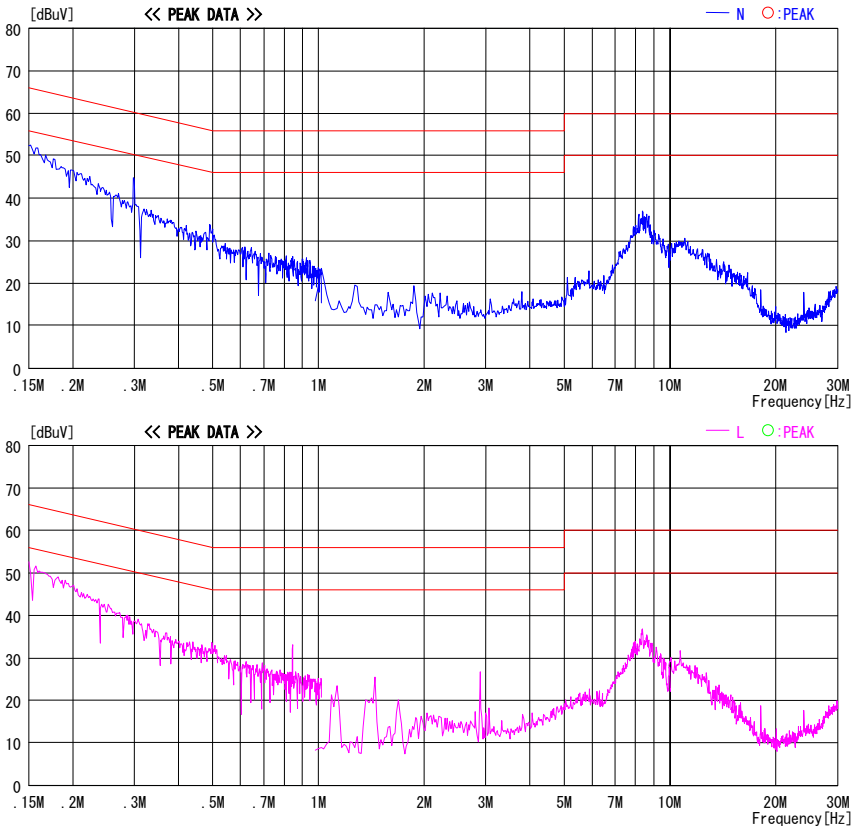


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
11a, Tx

DATA OF CONDUCTED EMISSION TEST

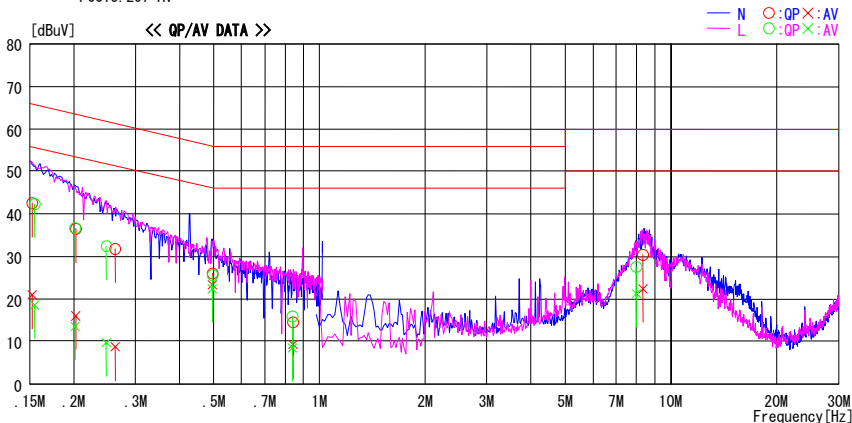
UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11a Tx 5745MHz, 6Mbps

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]		
0.15251	42.5	21.0	0.0	42.5	21.0	65.9	55.9	23.4	34.9	N	
0.20265	36.4	15.9	0.1	36.5	16.0	63.5	53.5	27.0	37.5	N	
0.26264	31.7	8.6	0.1	31.8	8.7	61.3	51.3	29.5	42.6	N	
0.49636	25.9	23.3	0.1	26.0	23.4	56.1	46.1	30.1	22.7	N	
0.84051	14.5	9.1	0.1	14.6	9.2	56.0	46.0	41.4	36.8	N	
8.32412	29.9	21.9	0.5	30.4	22.4	60.0	50.0	29.6	27.6	N	
0.15476	42.3	18.6	0.0	42.3	18.6	65.7	55.7	23.4	37.1	L	
0.20145	36.6	13.5	0.1	36.7	13.6	63.6	53.6	26.9	40.0	L	
0.24760	32.4	9.6	0.1	32.5	9.7	61.8	51.8	29.3	42.1	L	
0.49512	25.5	22.3	0.1	25.6	22.4	56.1	46.1	30.5	23.7	L	
0.83710	15.8	8.3	0.1	15.9	8.4	56.0	46.0	40.1	37.6	L	
7.99120	27.1	20.8	0.5	27.6	21.3	60.0	50.0	32.4	28.7	L	

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

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

Conducted Emission

11a, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room

Date : 2008/07/04

Company : NEC Corporation

Kind of EUT : Factory Computer as FC-NOTE Series

Model No. : FC-N22A

Serial No. : PP-004

Report No. : 28HE0115-HO-02

Power : AC 120V / 60Hz

Temp./Humi. : 20deg. C / 43%

Engineer : Kazufumi Nakai

Mode / Remarks : 11a Tx 5785MHz, 6Mbps

LIMIT : FCC15.207 QP

FCC15.207 AV

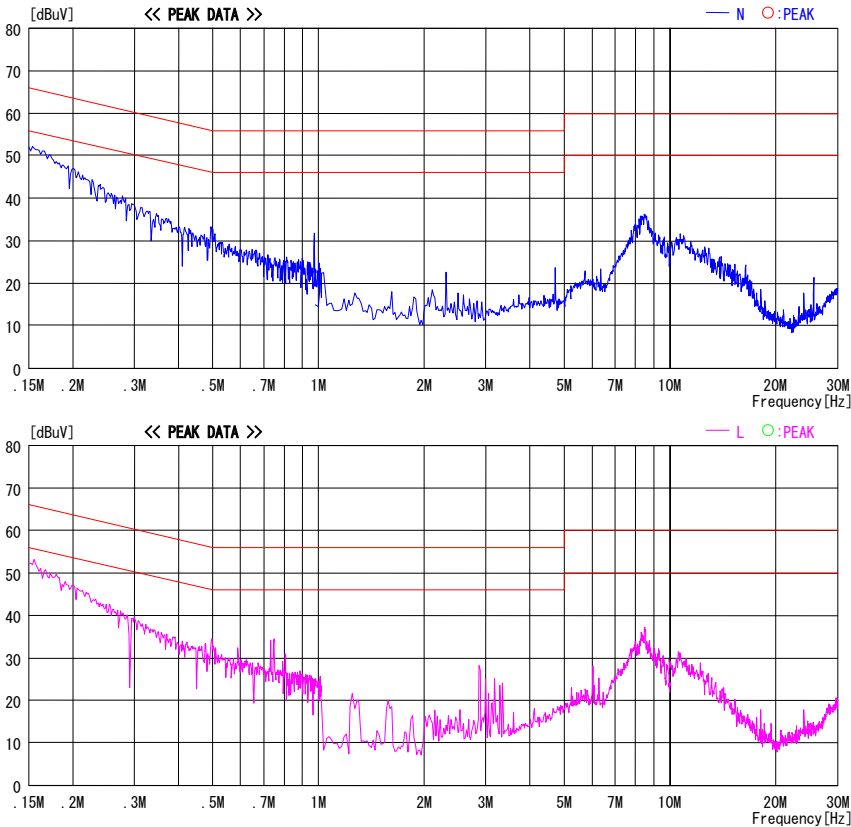


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission 11a, Tx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11a Tx 5825MHz, 6Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

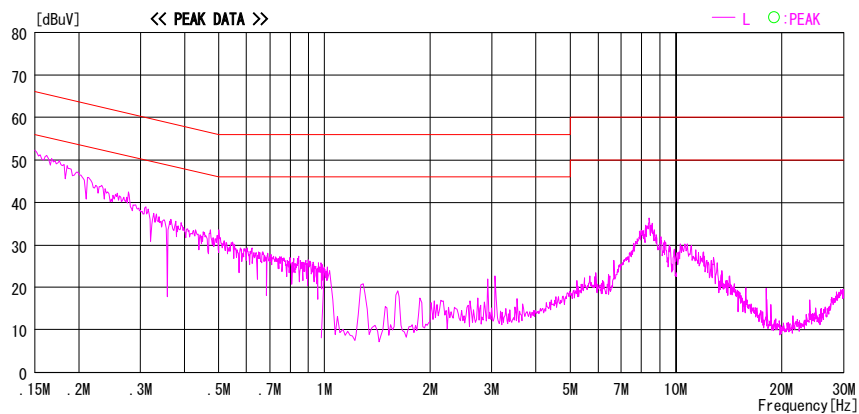
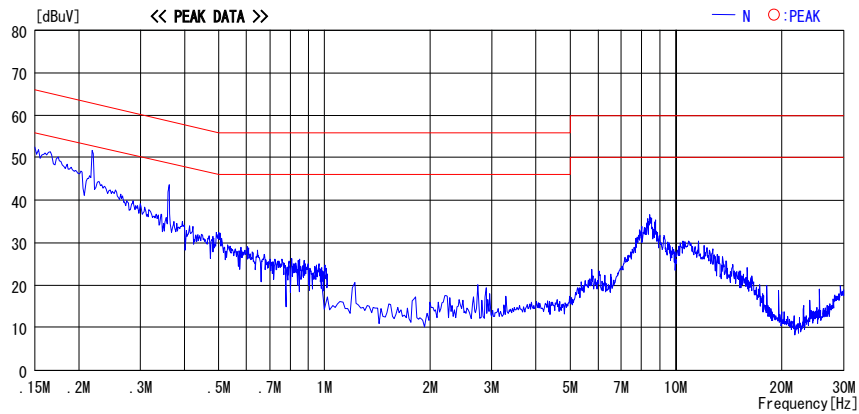


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission 11b/g, Rx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11bg Rx 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

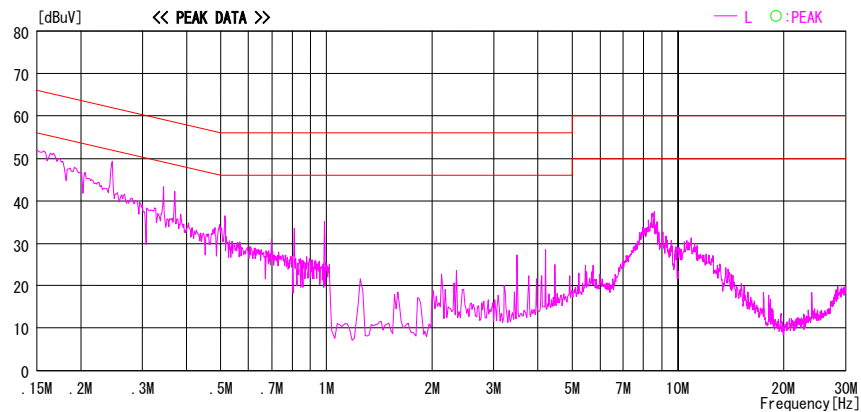
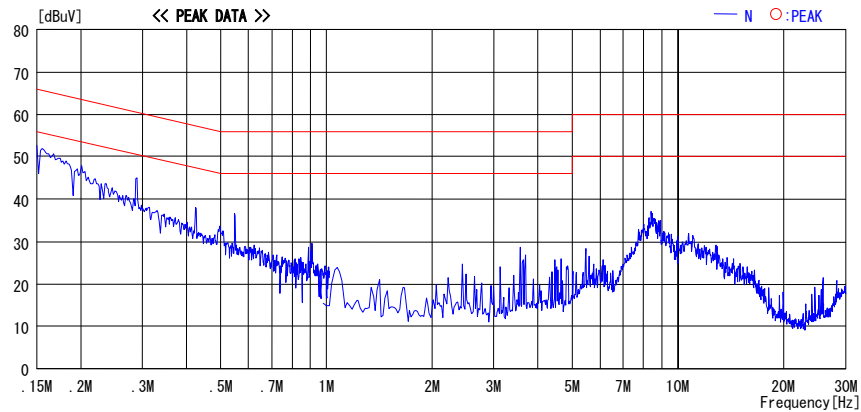


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission 11a, Rx

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room
Date : 2008/07/04

Company : NEC Corporation
Kind of EUT : Factory as Computer FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-004

Report No. : 28HE0115-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 20deg. C / 43%
Engineer : Kazufumi Nakai

Mode / Remarks : 11a Rx 5785MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

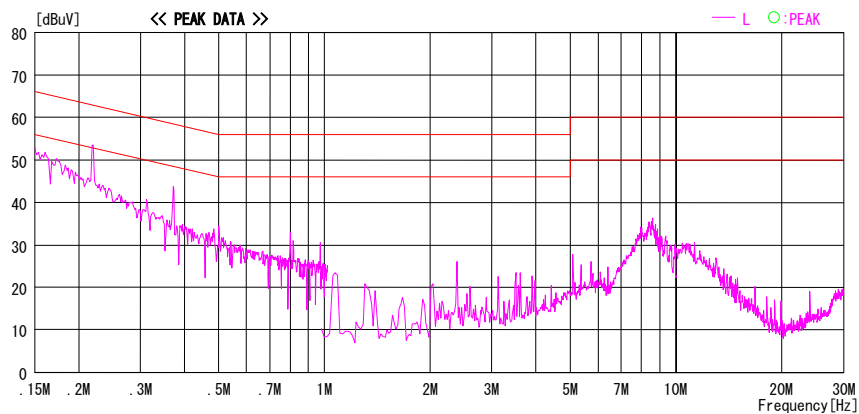
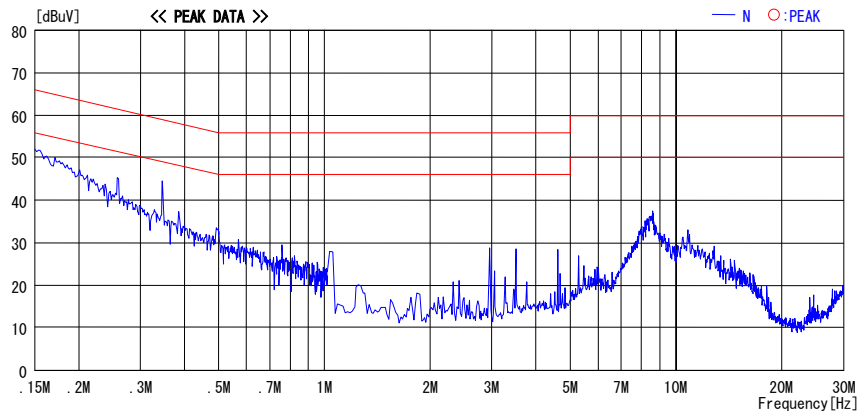


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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

6dB Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded room

Company	: NEC Corporation	Regulation	: FCC Part15 Subpart C 15.247(a)(2) / RSS-210 A8.2(a)
Equipment	: Factory Computer as FC-NOTE Series	Test Distance	-
Model	: FC-N22A	Date	: 04/22/2008
S/N	: PP-091	Temperature	: 24 deg.C.
Power	: AC 120V / 60Hz	Humidity	: 47%
Mode	: 11b, Transmitting (Tx), 11Mbps 11g, Transmitting (Tx), 6Mbps 11a Upper band, Transmitting (Tx), 6Mbps	Engineer	: Yutaka Yoshida
ANT	: 11b/g: MAIN 11a Upper band: AUX		

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

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	13.217	>500
Mid	2437.0	13.145	>500
High	2462.0	12.775	>500

[IEEE802.11g] ANT MAIN, 6Mbps (Worst)

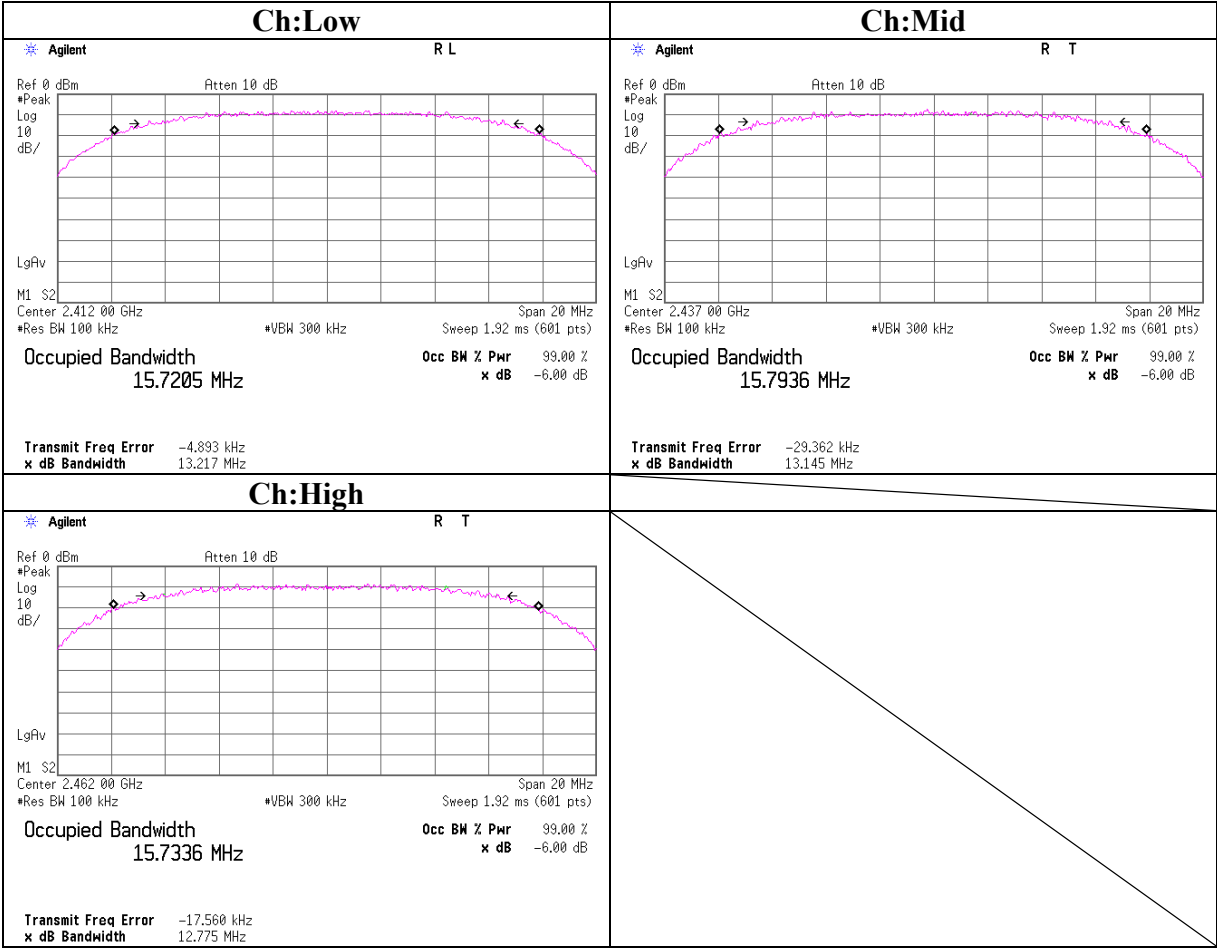
Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.374	>500
Mid	2437.0	16.376	>500
High	2462.0	16.376	>500

[IEEE802.11a] ANT AUX, 6Mbps (Worst)

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	5745.0	16.407	>500
Mid	5785.0	16.372	>500
High	5825.0	16.361	>500

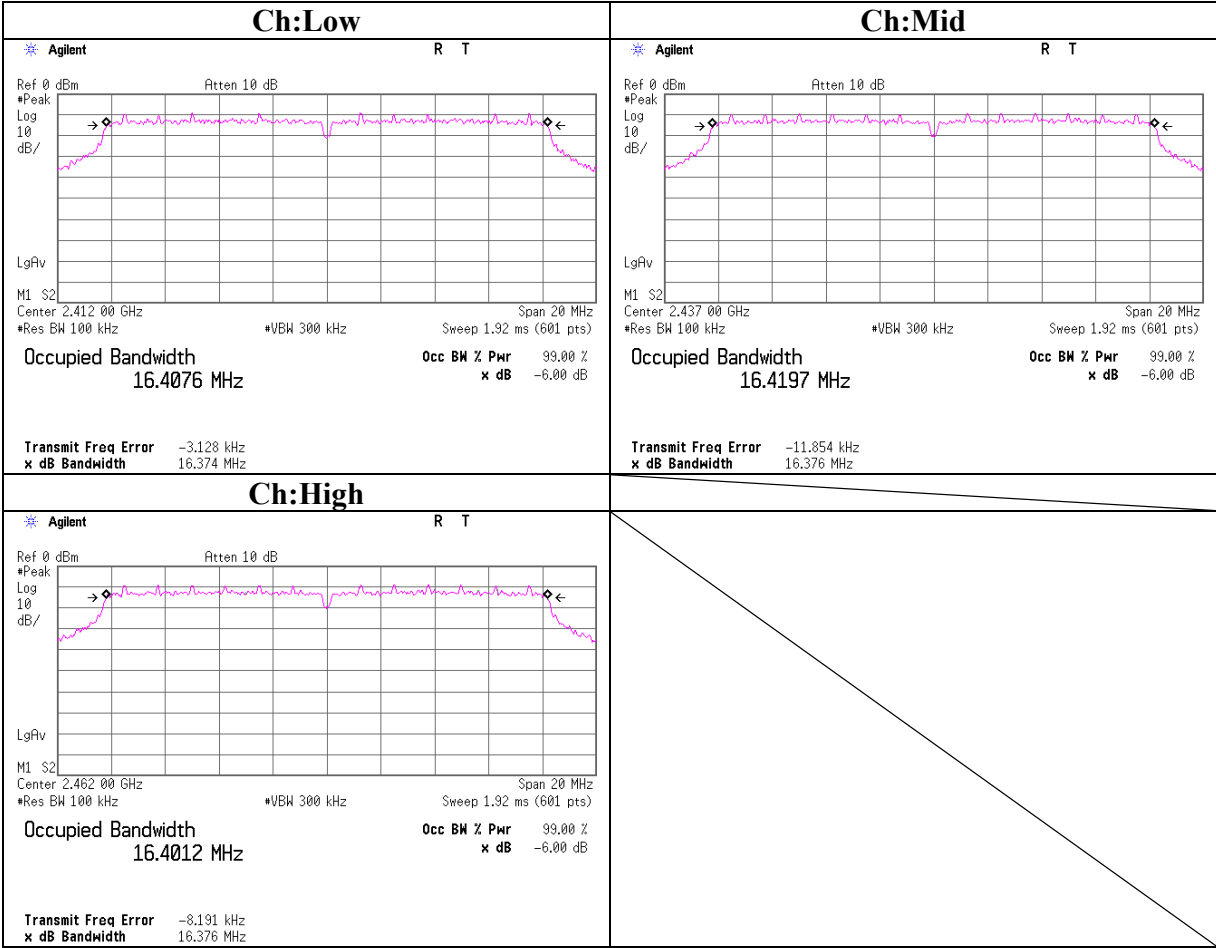
6dB Bandwidth

11b



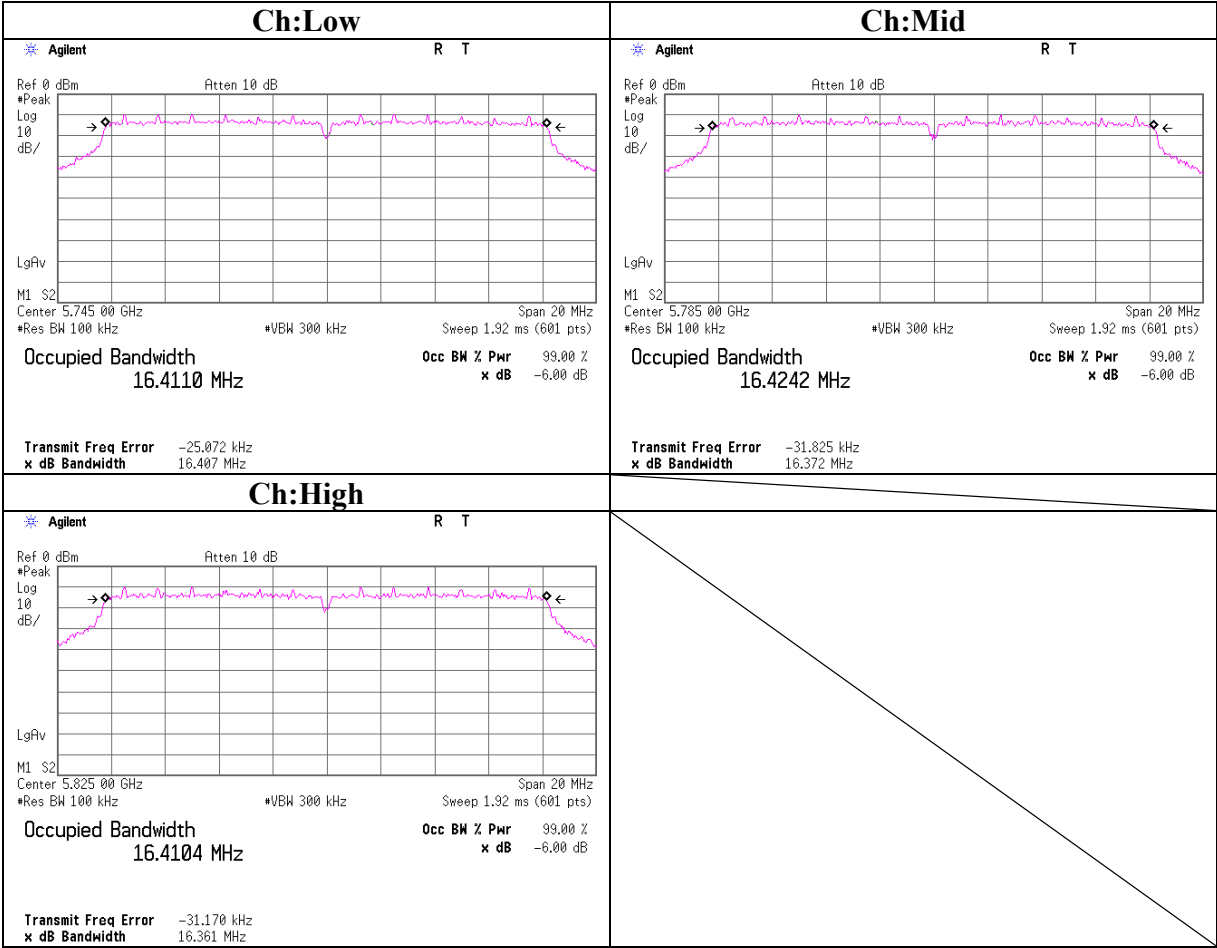
6dB Bandwidth

11g



6dB Bandwidth

11a



Maximum Peak Output Power

11b

UL Japan, Inc.

Head Office EMC Lab. No.6 Shielded room

Company : NEC Corporation
Equipment : Factory Computer as FC-NOTE Series
Model : FC-N22A
S/N : PP-091
Power : AC 120V / 60Hz
Mode : 11b, Transmitting (Tx), 11Mbps

Regulation : FCC Part15 Subpart C 15.247(b)(3) / RSS-210 A8.4(4)
Test Distance : -
Date : 04/22/2008
Temperature : 24 deg.C.
Humidity : 47%
Engineer : Yutaka Yoshida

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

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	5.69	1.93	10.23	17.85	60.95	30.00	1000	12.15
Mid	2437.0	5.39	1.93	10.23	17.55	56.89	30.00	1000	12.45
High	2462.0	5.29	1.93	10.23	17.45	55.59	30.00	1000	12.55

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

11b DATA Rate and Antenna Check

[IEEE 802.11b] ANT:MAIN PK

Rate	Freq.	P/M	Cable	Atten.	Result	
[MBPS]	[MHz]	Reading [dBm]	Loss [dB]	[dB]	[dBm]	[mW]
1	2437	4.42	1.93	10.23	16.58	45.50
2	2437	5.28	1.93	10.23	17.44	55.46
5.5	2437	4.86	1.93	10.23	17.02	50.35
11	2437	5.39	1.93	10.23	17.55	56.89

[IEEE 802.11b] ANT:AUX PK

Rate	Freq.	P/M	Cable	Atten.	Result	
[MBPS]	[MHz]	Reading [dBm]	Loss [dB]	[dB]	[dBm]	[mW]
1	2437	5.07	1.93	10.23	17.23	52.84
2	2437	5.33	1.93	10.23	17.49	56.10
5.5	2437	4.97	1.93	10.23	17.13	51.64
11	2437	5.36	1.93	10.23	17.52	56.49

Referencedata of SAR testing (AVG Power)

11b/Main Antenna

Data rate	Freq.	P/M	Cable	Atten.	Result	
[Mbps]	[MHz]	Reading [dBm]	Loss [dB]	Loss [dB]	[dBm]	[mW]
1	2437.0	1.17	1.93	10.23	13.33	21.53

11b/AUX Antenna

Data rate	Freq.	P/M	Cable	Atten.	Result	
[Mbps]	[MHz]	Reading [dBm]	Loss [dB]	Loss [dB]	[dBm]	[mW]
1	2437.0	1.91	1.93	10.23	14.07	25.53

Sample Calculation: Result = Reading + Cable Loss + Attenuator Loss

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

UL Japan, Inc.

Head Office EMC Lab.

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Maximum Peak Output Power

11g

UL Japan, Inc.

Head Office EMC Lab. No.6 Shielded room

Company : NEC Corporation
Equipment : Factory Computer as FC-NOTE Series
Model : FC-N22A
S/N : PP-091
Power : AC 120V / 60Hz
Mode : 11g, Transmitting (Tx), 6Mbps

Regulation : FCC Part15 Subpart C 15.247(b)(3) / RSS-210 A8.4(4)
Test Distance : -
Date : 04/22/2008
Temperature : 24 deg.C.
Humidity : 47%
Engineer : Yutaka Yoshida

[IEEE802.11g] 6Mbps (Worst), ANT: MAIN(Worst)

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	10.19	1.93	10.23	22.35	171.79	30.00	1000	7.65
Mid	2437.0	10.11	1.93	10.23	22.27	168.66	30.00	1000	7.73
High	2462.0	10.17	1.93	10.23	22.33	171.00	30.00	1000	7.67

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

11g Data Rate and Antenna Check

[IEEE 802.11g] ANT:MAIN PK

Rate [MBPS]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
6	2437	10.11	1.93	10.23	22.27	168.66
9	2437	10.04	1.93	10.23	22.20	165.96
12	2437	10.03	1.93	10.23	22.19	165.58
18	2437	10.02	1.93	10.23	22.18	165.20
24	2437	10.09	1.93	10.23	22.25	167.88
36	2437	10.07	1.93	10.23	22.23	167.11
48	2437	10.05	1.93	10.23	22.21	166.34
54	2437	10.05	1.93	10.23	22.21	166.34

[IEEE 802.11g] ANT:AUX PK

Rate [MBPS]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
6	2437	9.98	1.93	10.23	22.14	163.68
9	2437	9.82	1.93	10.23	21.98	157.76
12	2437	9.78	1.93	10.23	21.94	156.31
18	2437	9.89	1.93	10.23	22.05	160.32
24	2437	9.96	1.93	10.23	22.12	162.93
36	2437	9.89	1.93	10.23	22.05	160.32
48	2437	9.86	1.93	10.23	22.02	159.22
54	2437	9.81	1.93	10.23	21.97	157.40

Referencedata of SAR testing (AVG Power)

11g/Main Antenna

Data rate [Mbps]	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
6	2437.0	1.62	1.93	10.23	13.78	23.88

11g/AUX Antenna

Data rate [Mbps]	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
6	2437.0	0.97	1.93	10.23	13.13	20.56

Sample Calculation: Result = Reading + Cable Loss + Attenuator Loss

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

UL Japan, Inc.

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Maximum Peak Output Power

11a

UL Japan, Inc.

Head Office EMC Lab. No.6 Shielded room

Company : NEC Corporation
Equipment : Factory Computer as FC-NOTE Series
Model : FC-N22A
S/N : PP-091
Power : AC 120V / 60Hz
Mode : 11a Upper band,
Transmitting (Tx), 6Mbps

Regulation : FCC Part15 Subpart C 15.247(b)(3) / RSS-210 A8.4(4)
Test Distance : -
Date : 04/22/2008
Temperature : 24 deg.C.
Humidity : 47%
Engineer : Yutaka Yoshida

[IEEE802.11a Upper band] 6Mbps (Worst), ANT: AUX(Worst)

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	5745.0	9.74	3.03	10.32	23.09	203.70	30.00	1000	6.91
Mid	5785.0	9.77	3.03	10.32	23.12	205.12	30.00	1000	6.88
High	5825.0	9.66	3.03	10.32	23.01	199.99	30.00	1000	6.99

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

11g Data Rate and Antenna Check

[IEEE 802.11a Upper band] ANT:MAIN PK

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
6	5785	9.69	3.03	10.32	23.04	201.37
9	5785	9.69	3.03	10.32	23.04	201.37
12	5785	9.66	3.03	10.32	23.01	199.99
18	5785	9.65	3.03	10.32	23	199.53
24	5785	9.73	3.03	10.32	23.08	203.24
36	5785	9.69	3.03	10.32	23.04	201.37
48	5785	8.88	3.03	10.32	22.23	167.11
54	5785	8.15	3.03	10.32	21.5	141.25

[IEEE 802.11a Upper band] ANT:AUX PK

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
6	5785	9.77	3.03	10.32	23.12	205.12
9	5785	9.70	3.03	10.32	23.05	201.84
12	5785	9.77	3.03	10.32	23.12	205.12
18	5785	9.71	3.03	10.32	23.06	202.30
24	5785	9.72	3.03	10.32	23.07	202.77
36	5785	9.75	3.03	10.32	23.1	204.17
48	5785	8.56	3.03	10.32	21.91	155.24
54	5785	8.21	3.03	10.32	21.56	143.22

Referencedata of SAR testing (AVG Power)

11a Upper band/Main Antenna						
Data rate	Freq.	P/M(AV) Reading	Cable Loss	Atten. Loss	Result	
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]
6	5785.0	0.58	3.03	10.32	13.93	24.72

11a Upper band/AUX Antenna						
Data rate	Freq.	P/M(AV) Reading	Cable Loss	Atten. Loss	Result	
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]
6	5785.0	0.60	3.03	10.32	13.95	24.83

Sample Calculation: Result = Reading + Cable Loss + Attenuator Loss

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

UL Japan, Inc.

Head Office EMC Lab.

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Radiated Spurious Emission
Decision of transmission antenna and worst axis for the radiated spurious emission measurement
(2.4GHz Tx Band)

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2008/04/23

Company : NEC Corporation Report No. : 28HE0115-HO-02
Kind of EUT : Factory Computer as FC-NOTE Series Power : AC120V/60Hz
Model No. : FC-N22A Temp./Humi. : 23deg. C / 59%
Serial No. : PP-090 Operator : Yutaka Yoshida

Mode / Remarks : Tx 11g 2437MHz, 6Mbps(Worst Data Rate), S/A Setting:RBW=1MHz, VBW=1MHz

LIMIT :

Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]					
2437.000	96.5	PK	27.1	-29.2	94.4	Hori.	---	---	MAIN ANT, X-axis
2437.000	97.2	PK	27.1	-29.2	95.1	Vert.	---	---	MAIN ANT, X-axis(MAX)
2437.000	99.3	PK	27.1	-29.2	97.2	Hori.	---	---	MAIN ANT, Y-axis(MAX)
2437.000	90.9	PK	27.1	-29.2	88.8	Vert.	---	---	MAIN ANT, Y-axis
2437.000	89.4	PK	27.1	-29.2	87.3	Hori.	---	---	MAIN ANT, Z-axis
2437.000	92.1	PK	27.1	-29.2	90.0	Vert.	---	---	MAIN ANT, Z-axis
2437.000	92.9	PK	27.1	-29.2	90.8	Vert.	---	---	AUX ANT, X-axis
2437.000	93.4	PK	27.1	-29.2	91.3	Hori.	---	---	AUX ANT, X-axis
2437.000	97.4	PK	27.1	-29.2	95.3	Hori.	---	---	AUX ANT, Y-axis
2437.000	99.1	PK	27.1	-29.2	97.0	Hori.	---	---	AUX ANT, Z-axis
2437.000	89.8	PK	27.1	-29.2	87.7	Vert.	---	---	AUX ANT, Y-axis
2437.000	94.2	PK	27.1	-29.2	92.1	Vert.	---	---	AUX ANT, Z-axis

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

Radiated Spurious Emission
Decision of transmission antenna and worst axis for the radiated spurious emission measurement
(5GHz Tx Band)

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation Report No. : 28HE0115-HO-02
Kind of EUT : Factory Computer as FC-NOTE Series Power : AC120V/60Hz
Model No. : FC-N22A Temp./Humi. : 24deg. C / 40%
Serial No. : PP-090 Operator : Yutaka Yoshida

Mode / Remarks : Tx 11a 5785MHz, 6Mbps(Worst Data Rate), S/A Setting:RBW=1MHz VBW=3MHz

LIMIT :

Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]					
5785.000	95.9	PK	31.9	-27.2	100.6	Hori.	---	---	MAIN ANT, X-axis
5785.000	102.1	PK	31.9	-27.2	106.8	Vert.	---	---	MAIN ANT, X-axis
5785.000	97.9	PK	31.9	-27.2	102.6	Hori.	---	---	AUX ANT, X-axis
5785.000	102.2	PK	31.9	-27.2	106.9	Vert.	---	---	AUX ANT, X-axis(MAX)
5785.000	102.3	PK	31.9	-27.2	107.0	Hori.	---	---	MAIN ANT, Y-axis
5785.000	93.4	PK	31.9	-27.2	98.1	Vert.	---	---	MAIN ANT, Y-axis
5785.000	102.8	PK	31.9	-27.2	107.5	Hori.	---	---	AUX ANT, Y-axis(MAX)
5785.000	96.6	PK	31.9	-27.2	101.3	Vert.	---	---	AUX ANT, Y-axis
5785.000	94.6	PK	31.9	-27.2	99.3	Hori.	---	---	MAIN ANT, Z-axis
5785.000	97.4	PK	31.9	-27.2	102.1	Vert.	---	---	MAIN ANT, Z-axis
5785.000	100.9	PK	31.9	-27.2	105.6	Hori.	---	---	AUX ANT, Z-axis
5785.000	99.2	PK	31.9	-27.2	103.9	Vert.	---	---	AUX ANT, Z-axis

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

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

DATA OF RADIATED EMISSION TEST

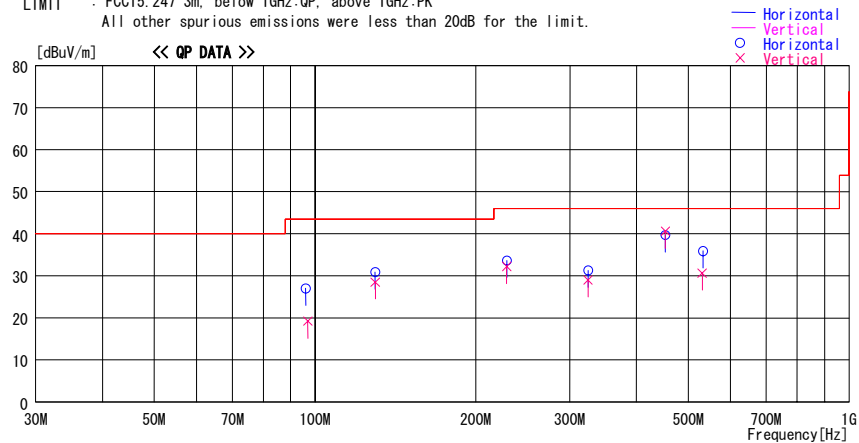
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/23

Company : NEC Corporation Report No. : 28HE0115-HO-02
Kind of EUT : Factory Computer as FC-NOTE Series Power : AC120V/60Hz
Model No. : FC-N22A Temp./Humi. : 23deg.C / 60%
Serial No. : PP-090 Operator : Takayuki Shimada

Mode / Remarks : Tx 11b 2412MHz 11Mbps(Worst). MAIN ANT(Worst). EUT Position: Hor:Y-axis, Ver:X-axis

LIMIT : FCC15.247 3m, below 1GHz:QP, above 1GHz:PK

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
96.081	41.5	QP	9.4	-23.9	27.0	189	322	Hori.	43.5	16.5
96.950	33.5	QP	9.6	-23.9	19.2	149	100	Vert.	43.5	24.3
129.643	40.9	QP	13.5	-23.5	30.9	280	271	Hori.	43.5	12.6
129.730	38.5	QP	13.5	-23.5	28.5	359	100	Vert.	43.5	15.0
228.600	39.5	QP	16.7	-22.6	33.6	92	152	Hori.	46.0	12.4
228.493	38.1	QP	16.7	-22.6	32.2	33	100	Vert.	46.0	13.8
324.540	36.2	QP	17.0	-21.9	31.3	259	104	Hori.	46.0	14.7
324.724	33.9	QP	17.0	-21.9	29.0	358	210	Vert.	46.0	17.0
453.007	42.1	QP	18.7	-21.1	39.7	9	100	Hori.	46.0	6.3
453.070	43.0	QP	18.7	-21.1	40.6	359	151	Vert.	46.0	5.4
532.928	36.9	QP	19.6	-20.6	35.9	324	100	Hori.	46.0	10.2
531.044	31.6	QP	19.6	-20.6	30.6	22	100	Vert.	46.0	15.4

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

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

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

DATA OF RADIATED EMISSION TEST

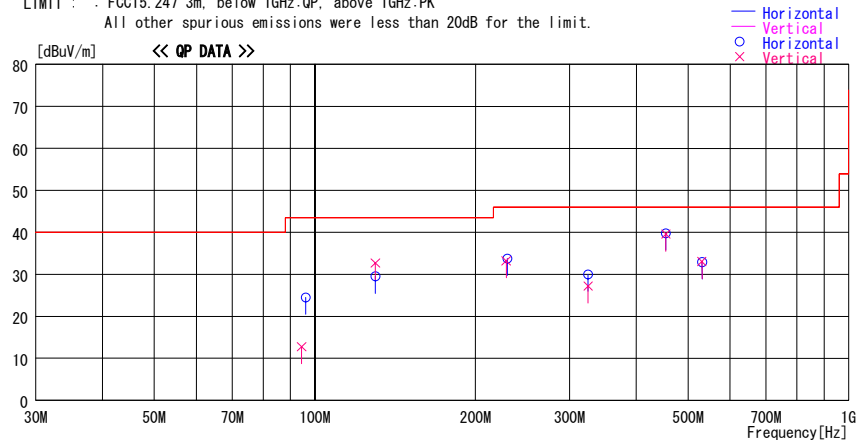
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/23

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Tx 11b 2462MHz 11Mbps(Worst), MAIN ANT(Worst), EUT Position: Hor:Y-axis, Ver:X-axis

LIMIT : : FCC15.247 3m, below 1GHz:QP, above 1GHz:PK

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Loss& Gain [dB]					[dBuV/m]	Margin [dB]
96.073	39.0	QP	9.4	-23.9	24.5	183	327	Hori.	43.5	19.0
94.420	27.5	QP	9.1	-23.9	12.7	0	100	Vert.	43.5	30.8
129.733	39.5	QP	13.5	-23.5	29.5	279	263	Hori.	43.5	14.0
129.848	42.7	QP	13.5	-23.5	32.7	0	100	Vert.	43.5	10.8
229.514	39.7	QP	16.7	-22.6	33.8	97	147	Hori.	46.0	12.2
228.370	39.1	QP	16.7	-22.6	33.2	67	100	Vert.	46.0	12.8
324.700	34.9	QP	17.0	-21.9	30.0	245	100	Hori.	46.0	16.1
324.740	32.1	QP	17.0	-21.9	27.2	0	239	Vert.	46.0	18.8
454.670	42.1	QP	18.8	-21.1	39.8	8	100	Hori.	46.0	6.2
454.452	41.8	QP	18.8	-21.1	39.5	359	155	Vert.	46.0	6.5
531.200	33.9	QP	19.6	-20.6	32.9	330	100	Hori.	46.0	13.1
531.010	34.0	QP	19.6	-20.6	33.0	181	175	Vert.	46.0	13.0

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

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

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

DATA OF RADIATED EMISSION TEST

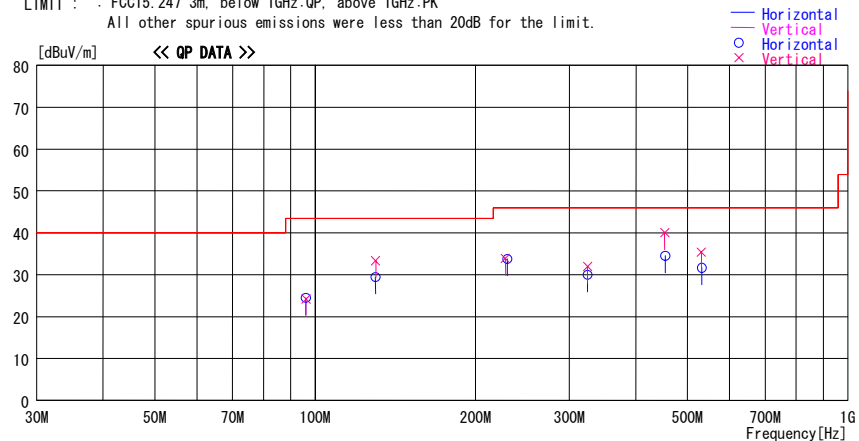
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2008/04/23

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Tx 11g 2412MHz 6Mbps (Worst), MAIN ANT (Worst), EUT Position: Hor:Y-axis, Ver:X-axis

LIMIT : : FCC15.247 3m, below 1GHz:QP, above 1GHz:PK

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
96.073	39.0	QP	9.4	-23.9	24.5	183	327	Hori.	43.5	19.0
96.072	38.7	QP	9.4	-23.9	24.2	193	316	Vert.	43.5	19.3
129.733	39.5	QP	13.5	-23.5	29.5	279	263	Hori.	43.5	14.0
129.884	43.4	QP	13.5	-23.5	33.4	289	267	Vert.	43.5	10.1
229.514	39.7	QP	16.7	-22.6	33.8	97	147	Hori.	46.0	12.2
227.564	39.8	QP	16.7	-22.6	33.9	96	148	Vert.	46.0	12.1
324.700	34.9	QP	17.0	-21.9	30.0	245	100	Hori.	46.0	16.1
324.750	36.9	QP	17.0	-21.9	32.0	248	100	Vert.	46.0	14.0
454.078	36.9	QP	18.8	-21.1	34.6	257	100	Hori.	46.0	11.5
453.112	42.5	QP	18.7	-21.1	40.1	6	100	Vert.	46.0	5.9
532.124	32.7	QP	19.6	-20.6	31.7	262	101	Hori.	46.0	14.3
531.092	36.4	QP	19.6	-20.6	35.4	26	259	Vert.	46.0	10.6

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

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

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

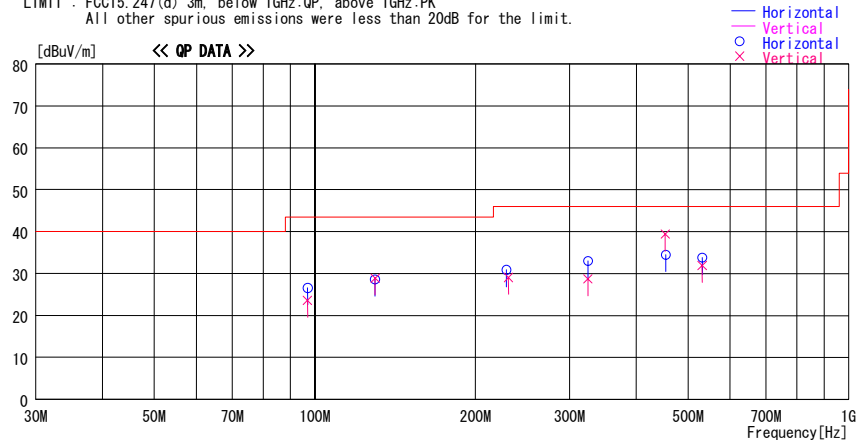
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/25

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Tx 11g 2437MHz 6Mbps(Worst), MAIN ANT(Worst) & BT(EDR) Hopping mode, EUT Position: Hor:Y, Ver:X

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
96.964	40.9	QP	9.6	-23.9	26.6	202	327	Hori.	43.5	16.9
96.853	37.9	QP	9.6	-23.9	23.6	118	123	Vert.	43.5	19.9
129.600	38.6	QP	13.5	-23.5	28.6	277	290	Hori.	43.5	14.9
129.630	38.9	QP	13.5	-23.5	28.9	20	100	Vert.	43.5	14.6
230.554	35.0	QP	16.7	-22.6	29.1	7	100	Vert.	46.0	16.9
228.530	36.8	QP	16.7	-22.6	30.9	77	136	Hori.	46.0	15.1
324.530	33.6	QP	17.0	-21.9	28.7	359	228	Vert.	46.0	17.3
324.691	37.9	QP	17.0	-21.9	33.0	272	100	Hori.	46.0	13.0
454.162	36.9	QP	18.8	-21.1	34.6	12	100	Hori.	46.0	11.5
453.287	41.8	QP	18.7	-21.1	39.4	347	169	Vert.	46.0	6.6
531.408	32.9	QP	19.6	-20.6	31.9	25	291	Vert.	46.0	14.1
531.772	34.8	QP	19.6	-20.6	33.8	190	100	Hori.	46.0	12.2

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

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

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

DATA OF RADIATED EMISSION TEST

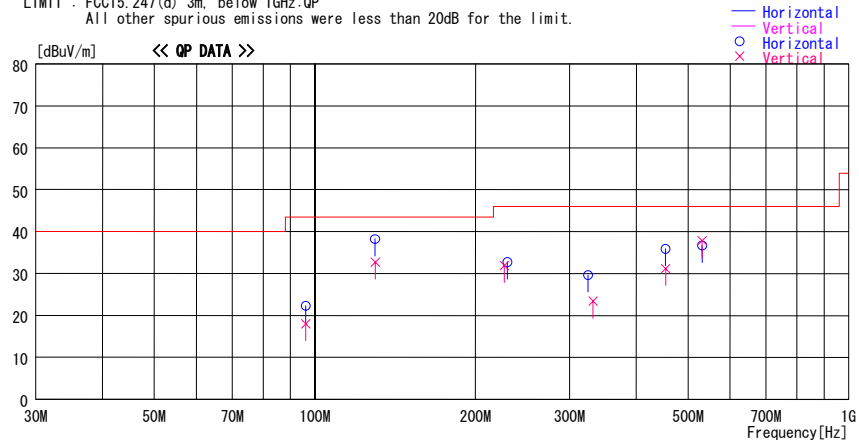
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Tx 11a 5745MHz 6Mbps(Worst), AUX ANT(Worst), EUT Position: Hor:Y-axis, Ver:X-axis

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

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Loss& Gain [dB]					[dBuV/m]	Margin [dB]
96.077	32.5	QP	9.4	-23.9	18.0	0	100	Vert.	43.5	25.5
96.065	36.8	QP	9.4	-23.9	22.3	187	346	Hori.	43.5	21.2
129.506	48.3	QP	13.5	-23.5	38.3	279	263	Hori.	43.5	5.2
129.875	42.7	QP	13.5	-23.5	32.7	77	100	Vert.	43.5	10.8
226.442	38.0	QP	16.6	-22.7	31.9	44	100	Vert.	46.0	14.1
229.514	38.6	QP	16.7	-22.6	32.7	109	100	Hori.	46.0	13.3
324.780	34.6	QP	17.0	-21.9	29.7	246	100	Hori.	46.0	16.3
331.980	28.2	QP	17.1	-21.9	23.4	164	132	Vert.	46.0	22.6
454.318	33.5	QP	18.8	-21.1	31.2	251	100	Vert.	46.0	14.8
453.540	38.3	QP	18.7	-21.1	35.9	359	100	Hori.	46.0	10.1
531.270	38.9	QP	19.6	-20.6	37.9	334	100	Vert.	46.0	8.2
531.040	37.7	QP	19.6	-20.6	36.7	191	100	Hori.	46.0	9.3

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

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

Radiated Spurious Emission (below 1GHz)

11a, Tx

DATA OF RADIATED EMISSION TEST

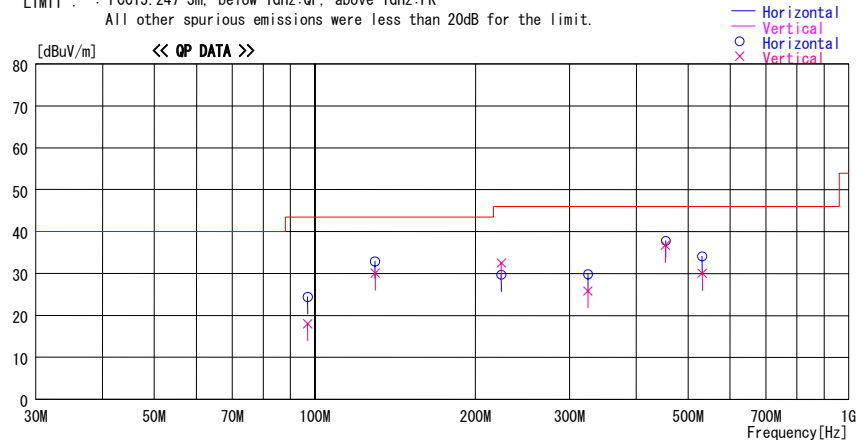
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Tx 11a 5825MHz 6Mbps(Worst), AUX ANT(Worst), EUT Position: Hor:Y-axis, Ver:X-axis

LIMIT : : FCC15.247 3m, below 1GHz:QP, above 1GHz:PK

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
96.952	32.3	QP	9.6	-23.9	18.0	6	100	Vert.	43.5	25.5
96.948	38.7	QP	9.6	-23.9	24.4	277	311	Hori.	43.5	19.1
129.608	42.9	QP	13.5	-23.5	32.9	280	324	Hori.	43.5	10.6
129.716	40.1	QP	13.5	-23.5	30.1	108	100	Vert.	43.5	13.4
223.500	38.6	QP	16.6	-22.7	32.5	36	100	Vert.	46.0	13.5
223.520	35.8	QP	16.6	-22.7	29.7	286	145	Hori.	46.0	16.3
324.777	34.7	QP	17.0	-21.9	29.8	79	100	Hori.	46.0	16.2
324.524	30.7	QP	17.0	-21.9	25.8	40	254	Vert.	46.0	20.2
453.535	39.1	QP	18.7	-21.1	36.7	0	158	Vert.	46.0	9.3
454.176	40.1	QP	18.8	-21.1	37.8	24	100	Hori.	46.0	8.2
531.693	31.0	QP	19.6	-20.6	30.0	174	165	Vert.	46.0	16.0
531.415	35.1	QP	19.6	-20.6	34.1	194	100	Hori.	46.0	11.9

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

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

UL Japan, Inc.

Head Office EMC Lab.

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Radiated Spurious Emission (below 1GHz)
11b/g, Rx

DATA OF RADIATED EMISSION TEST

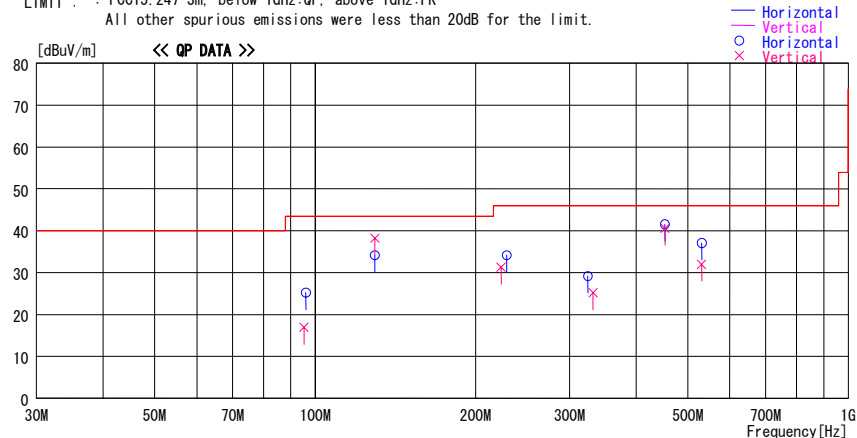
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Rx 11b/g 2437MHz, MAIN ANT(Worst), EUT Position: Hor:Y-axis, Ver:X-axis

LIMIT : : FCC15.247 3m, below 1GHz:QP, above 1GHz:PK

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
96.066	39.8	QP	9.4	-23.9	25.3	171	326	Hori.	43.5	18.2
95.300	31.5	QP	9.3	-23.9	16.9	359	100	Vert.	43.5	26.6
129.484	44.2	QP	13.5	-23.5	34.2	289	269	Hori.	43.5	9.3
129.493	48.2	QP	13.5	-23.5	38.2	170	100	Vert.	43.5	5.3
228.580	40.1	QP	16.7	-22.6	34.2	88	153	Hori.	46.0	11.8
223.440	37.4	QP	16.6	-22.7	31.3	30	100	Vert.	46.0	14.7
324.706	34.1	QP	17.0	-21.9	29.2	241	100	Hori.	46.0	16.8
331.952	30.0	QP	17.1	-21.9	25.2	146	198	Vert.	46.0	20.8
453.065	44.0	QP	18.7	-21.1	41.6	359	100	Hori.	46.0	4.4
453.068	43.0	QP	18.7	-21.1	40.6	5	157	Vert.	46.0	5.4
531.174	38.1	QP	19.6	-20.6	37.1	190	100	Hori.	46.0	8.9
530.984	33.0	QP	19.6	-20.6	32.0	27	100	Vert.	46.0	14.0

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

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

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

DATA OF RADIATED EMISSION TEST

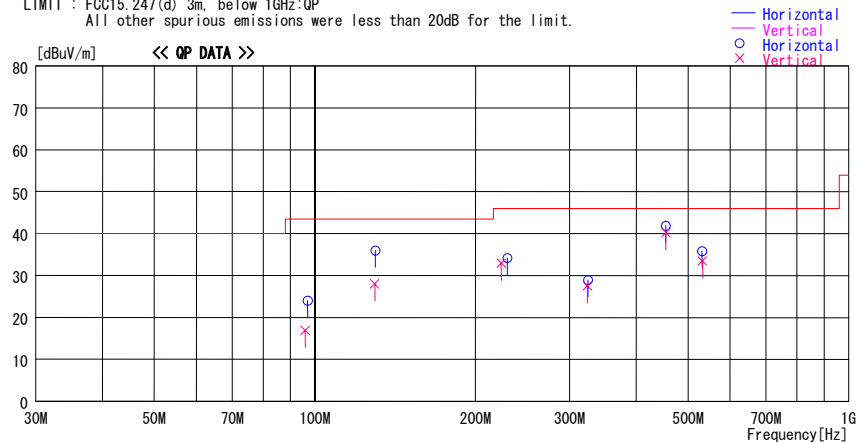
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 23deg. C / 60%
Operator : Takayuki Shimada

Mode / Remarks : Rx 11a 5785MHz , AUX ANT(Worst), EUT Position: Hor:Y-axis, Ver:X-axis

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

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
95.900	31.4	QP	9.4	-23.9	16.9	0	100	Vert.	43.5	26.6
96.955	38.3	QP	9.6	-23.9	24.0	100	345	Hori.	43.5	19.5
129.840	45.9	QP	13.5	-23.5	35.9	278	313	Hori.	43.5	7.6
129.529	38.0	QP	13.5	-23.5	28.0	95	100	Vert.	43.5	15.5
223.451	39.0	QP	16.6	-22.7	32.9	45	100	Vert.	46.0	13.1
229.460	40.1	QP	16.7	-22.6	34.2	110	149	Hori.	46.0	11.8
324.790	33.8	QP	17.0	-21.9	28.9	95	100	Hori.	46.0	17.1
323.828	32.4	QP	17.0	-21.9	27.5	355	234	Vert.	46.0	18.5
454.684	42.5	QP	18.8	-21.1	40.2	0	164	Vert.	46.0	5.8
454.674	44.1	QP	18.8	-21.1	41.8	31	100	Hori.	46.0	4.2
532.733	34.5	QP	19.6	-20.6	33.5	17	127	Vert.	46.0	12.5
531.270	36.8	QP	19.6	-20.6	35.8	197	100	Hori.	46.0	10.2

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

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

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

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11b 2412MHz 11Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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	2390.00	54.5	53.1	27.0	32.2	2.8	0.0	52.1	50.7	73.9	21.8	23.2
2	4824.00	41.2	41.1	30.8	30.9	3.8	0.9	45.8	45.7	73.9	28.1	28.2
3	7236.00	42.7	44.9	35.7	32.0	4.8	0.7	51.9	54.1	73.9	22.0	19.8
4	9648.00	42.3	43.9	38.2	32.4	5.7	1.0	54.8	56.4	73.9	19.1	17.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24120.00	45.3	45.8	38.7	31.0	8.4	0.0	51.9	52.4	73.9	22.0	21.5

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	38.2	36.7	27.0	32.2	2.8	0.0	35.8	34.3	53.9	18.1	19.6
2	4824.00	29.1	28.5	30.8	30.9	3.8	0.9	33.7	33.1	53.9	20.2	20.8
3	7236.00	31.1	30.3	35.7	32.0	4.8	0.7	40.3	39.5	53.9	13.6	14.4
4	9648.00	30.8	30.4	38.2	32.4	5.7	1.0	43.3	42.9	53.9	10.6	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24120.00	32.9	32.9	38.7	31.0	8.4	0.0	39.5	39.5	53.9	14.4	14.4

20dBc (Fundamental 2412.0 MHz) (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	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dBuV/m]	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	2412.00	91.7	91.3	27.1	32.1	2.8	0.0	89.5	89.1	-	-	-
2	2400.00	55.1	53.1	27.0	32.2	2.8	0.0	52.7	50.7	Funda-20dB	16.8	18.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

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

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11b 2437MHz 11Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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

K-DETECT (RDB: 1MHz, VDB: 1MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
		1	4874.00	42.3	42.1	31.0	30.9	3.8	0.9	47.1	46.9	73.9
2	7311.00	43.7	43.1	35.9	32.1	4.7	0.7	52.9	52.3	73.9	21.0	21.6
3	9748.00	44.2	43.4	38.3	32.4	5.8	1.0	56.9	56.1	73.9	17.0	17.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	43.6	43.7	38.8	31.0	8.5	0.0	50.4	50.5	73.9	23.5	23.4

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
		1	4874.00	29.1	29.1	31.0	30.9	3.8	0.9	33.9	33.9	53.9
2	7311.00	31.1	31.0	35.9	32.1	4.7	0.7	40.3	40.2	53.9	13.6	13.7
3	9748.00	30.9	30.9	38.3	32.4	5.8	1.0	43.6	43.6	53.9	10.3	10.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	31.3	31.4	38.8	31.0	8.5	0.0	38.1	38.2	53.9	15.8	15.7

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

Radiated Spurious Emission (above 1GHz)

11b, Tx

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11b 2462MHz 11Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

PK DETECT (RBW: 1MHz, VBW: 1MHz)												
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	50.2	49.4	27.2	32.1	2.9	0.0	48.2	47.4	73.9	25.7	26.5
2	4924.00	40.9	40.8	31.1	30.9	3.8	0.9	45.8	45.7	73.9	28.1	28.2
3	7386.00	43.3	44.0	36.0	32.1	4.7	0.7	52.6	53.3	73.9	21.3	20.6
4	9848.00	42.3	42.7	38.3	32.4	5.9	1.0	55.1	55.5	73.9	18.8	18.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	44.9	45.5	38.8	31.0	8.5	0.0	51.7	52.3	73.9	22.2	21.6

AV DETECT												(RBW: 1MHz, VBW: 10Hz)	
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN		
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER	
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]		
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2483.50	35.2	34.6	27.2	32.1	2.9	0.0	33.2	32.6	53.9	20.7	21.3	
2	4924.00	28.9	28.9	31.1	30.9	3.8	0.9	33.8	33.8	53.9	20.1	20.1	
3	7386.00	31.0	31.0	36.0	32.1	4.7	0.7	40.3	40.3	53.9	13.6	13.6	
4	9848.00	30.8	30.8	38.3	32.4	5.9	1.0	43.6	43.6	53.9	10.3	10.3	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-	
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-	
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-	
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-	
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-	
10	24620.00	32.7	32.7	38.8	31.0	8.5	0.0	39.5	39.5	53.9	14.4	14.4	

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

UL Japan, Inc.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

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

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11g 2412MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	59.6	58.7	27.0	32.2	2.8	0.0	57.2	56.3	73.9	16.7	17.6
2	4824.00	40.6	41.8	30.8	30.9	3.8	0.9	45.2	46.4	73.9	28.7	27.5
3	7236.00	43.2	43.9	35.7	32.0	4.8	0.7	52.4	53.1	73.9	21.5	20.8
4	9648.00	42.2	42.9	38.2	32.4	5.7	1.0	54.7	55.4	73.9	19.2	18.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24120.00	45.4	46.5	38.7	31.0	8.4	0.0	52.0	53.1	73.9	21.9	20.8

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		[dBuV/m]	HOR
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	37.7	37.2	27.0	32.2	2.8	0.0	35.3	34.8	53.9	18.6	19.1
2	4824.00	29.1	29.3	30.8	30.9	3.8	0.9	33.7	33.9	53.9	20.2	20.0
3	7236.00	30.9	31.0	35.7	32.0	4.8	0.7	40.1	40.2	53.9	13.8	13.7
4	9648.00	30.8	30.8	38.2	32.4	5.7	1.0	43.3	43.3	53.9	10.6	10.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24120.00	32.9	32.9	38.7	31.0	8.4	0.0	39.5	39.5	53.9	14.4	14.4

20dBc (Fundamental 2412.0 MHz) (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	VER					HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	2412.00	86.9	86.6	27.1	32.1	2.8	0.0	84.7	84.4	-	-	-
2	2400.00	53.6	53.1	27.0	32.2	2.8	0.0	51.2	50.7	Funda-20dB	13.5	13.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

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

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11g 2437MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]		[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	40.6	41.4	31.0	30.9	3.8	0.9	45.4	46.2	73.9	28.5	27.7
2	7311.00	43.1	44.2	35.9	32.1	4.7	0.7	52.3	53.4	73.9	21.6	20.5
3	9748.00	43.2	43.4	38.3	32.4	5.8	1.0	55.9	56.1	73.9	18.0	17.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	44.1	44.2	38.8	31.0	8.5	0.0	50.9	51.0	73.9	23.0	22.9

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	29.1	29.1	31.0	30.9	3.8	0.9	33.9	33.9	53.9	20.0	20.0
2	7311.00	31.1	31.1	35.9	32.1	4.7	0.7	40.3	40.3	53.9	13.6	13.6
3	9748.00	30.9	30.9	38.3	32.4	5.8	1.0	43.6	43.6	53.9	10.3	10.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	31.4	31.3	38.8	31.0	8.5	0.0	38.2	38.1	53.9	15.7	15.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

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

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11g 2462MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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

R-REJECT (RDB: 1MHz, VDB: 1MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	2483.50	63.2	61.4	27.2	32.1	2.9	0.0	61.2	59.4	73.9	12.7	14.5
2	4924.00	40.4	40.7	31.1	30.9	3.8	0.9	45.3	45.6	73.9	28.6	28.3
3	7386.00	42.7	44.0	36.0	32.1	4.7	0.7	52.0	53.3	73.9	21.9	20.6
4	9848.00	42.1	42.4	38.3	32.4	5.9	1.0	54.9	55.2	73.9	19.0	18.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	45.3	45.6	38.8	31.0	8.5	0.0	52.1	52.4	73.9	21.8	21.5

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	39.2	37.3	27.2	32.1	2.9	0.0	37.2	35.3	53.9	16.7	18.6
2	4924.00	28.9	29.0	31.1	30.9	3.8	0.9	33.8	33.9	53.9	20.1	20.0
3	7386.00	31.1	31.1	36.0	32.1	4.7	0.7	40.4	40.4	53.9	13.5	13.5
4	9848.00	30.8	30.8	38.3	32.4	5.9	1.0	43.6	43.6	53.9	10.3	10.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24620.00	32.6	32.6	38.8	31.0	8.5	0.0	39.4	39.4	53.9	14.5	14.5

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

Radiated Spurious Emission (above 1GHz)

11g, Tx

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11g 2437MHz, 6Mbps + BT (EDR) Hopping mode
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m
Date April 25, 2008
Temperature 23deg.C.
Humidity 33%
Engineer Takayuki Shimada

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	39.9	39.5	31.0	30.9	3.8	0.9	44.7	44.3	73.9	29.2	29.6
2	7311.00	43.4	40.3	35.9	32.1	4.7	0.7	52.6	49.5	73.9	21.3	24.4
3	9748.00	42.5	40.5	38.3	32.4	5.8	1.0	55.2	53.2	73.9	18.7	20.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	46.6	46.4	38.8	31.0	8.5	0.0	53.4	53.2	73.9	20.5	20.7

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	4874.00	27.0	25.8	31.0	30.9	3.8	0.9	31.8	30.6	53.9	22.1	23.3
2	7311.00	28.9	26.6	35.9	32.1	4.7	0.7	38.1	35.8	53.9	15.8	18.1
3	9748.00	28.7	26.7	38.3	32.4	5.8	1.0	41.4	39.4	53.9	12.5	14.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	33.6	33.7	38.8	31.0	8.5	0.0	40.4	40.5	53.9	13.5	13.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

*NS: No signal.

Radiated Spurious Emission(above 1GHz)

11b/g, Tx (Band Edge)

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11b 11Mbps, 11g 6Mbps + BT (EDR) Hopping mode
Position H: Y-axis, V: X-axis, Worst ANT: MAIN

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m
Date April 25, 2008
Temperature 23deg.C.
Humidity 33%
Engineer Takayuki Shimada

Mode : 11b, Tx, 11Mbps, 2412MHz + BT(EDR) Hopping ON

Mode 1: F10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 1410, 1412, 1414, 1416, 1418, 1420, 1422, 1424, 1426, 1428, 1430, 1432, 1434, 1436, 1438, 1440, 1442, 1444, 1446, 1448, 1450, 1452, 1454, 1456, 1458, 1460, 1462, 1464, 1466, 1468, 1470, 1472, 1474, 1476, 1478, 1480, 1482, 1484, 1486, 1488, 1490, 1492, 1494, 1496, 1498, 1500, 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518, 1520, 1522, 1524, 1526, 1528, 1530, 1532, 1534, 1536, 1538, 1540, 1542, 1544, 1546, 1548, 1550, 1552, 1554, 1556, 1558, 1560, 1562, 1564, 1566, 1568, 1570, 1572, 1574, 1576, 1578, 1580, 1582, 1584, 1586, 1588, 1590, 1592, 1594, 1596, 1598, 1600, 1602, 1604, 1606, 1608, 1610, 1612, 1614, 1616, 1618, 1620, 1622, 1624, 1626, 1628, 1630, 1632, 1634, 1636, 1638, 1640, 1642, 1644, 1646, 1648, 1650, 1652, 1654, 1656, 1658, 1660, 1662, 1664, 1666, 1668, 1670, 1672, 1674, 1676, 1678, 1680, 1682, 1684, 1686, 1688, 1690, 1692, 1694, 1696, 1698, 1700, 1702, 1704, 1706, 1708, 1710, 1712, 1714, 1716, 1718, 1720, 1722, 1724, 1726, 1728, 1730, 1732, 1734, 1736, 1738, 1740, 1742, 1744, 1746, 1748, 1750, 1752, 1754, 1756, 1758, 1760, 1762, 1764, 1766, 1768, 1770, 1772, 1774, 1776, 1778, 1780, 1782, 1784, 1786, 1788, 1790, 1792, 1794, 1796, 1798, 1800, 1802, 1804, 1806, 1808, 1810, 1812, 1814, 1816, 1818, 1820, 1822, 1824, 1826, 1828, 1830, 1832, 1834, 1836, 1838, 1840, 1842, 1844, 1846, 1848, 1850, 1852, 1854, 1856, 1858, 1860, 1862, 1864, 1866, 1868, 1870, 1872, 1874, 1876, 1878, 1880, 1882, 1884, 1886, 1888, 1890, 1892, 1894, 1896, 1898, 1900, 1902, 1904, 1906, 1908, 1910, 1912, 1914, 1916, 1918, 1920, 1922, 1924, 1926, 1928, 1930, 1932, 1934, 1936, 1938, 1940, 1942, 1944, 1946, 1948, 1950, 1952, 1954, 1956, 1958, 1960, 1962, 1964, 1966, 1968, 1970, 1972, 1974, 1976, 1978, 1980, 1982, 1984, 1986, 1988, 1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2032, 2034, 2036, 2038, 2040, 2042, 2044, 2046, 2048, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2068, 2070, 2072, 2074, 2076, 2078, 2080, 2082, 2084, 2086, 2088, 2090, 2092, 2094, 2096, 2098, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2138, 2140, 2142, 2144, 2146, 2148, 2150, 2152, 2154, 2156, 2158, 2160, 2162, 2164, 2166, 2168, 2170, 2172, 2174, 2176, 2178, 2180, 2182, 2184, 2186, 2188, 2190, 2192, 2194, 2196, 2198, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2214, 2216, 2218, 2220, 2222, 2224, 2226, 2228, 2230, 2232, 2234, 2236, 2238, 2240, 2242, 2244, 2246, 2248, 2250, 2252, 2254, 2256, 2258, 2260, 2262, 2264, 2266, 2268, 2270, 2272, 2274, 2276, 2278, 2280, 2282, 2284, 2286, 2288, 2290, 2292, 2294, 2296, 2298, 2300, 2302, 2304, 2306, 2308, 2310, 2312, 2314, 2316, 2318, 2320, 2322, 2324, 2326, 2328, 2330, 2332, 2334, 2336, 2338, 2340, 2342, 2344, 2346, 2348, 2350, 2352, 2354, 2356, 2358, 2360, 2362, 2364, 2366, 2368, 2370, 2372, 2374, 2376, 2378, 2380, 2382, 2384, 2386, 2388, 2390, 2392, 2394, 2396, 2398, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2482, 2484, 2486, 2488, 2490, 2492, 2494, 2496, 2498, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 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2846, 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 2872, 2874, 2876, 2878, 2880, 2882, 2884, 2886, 2888, 2890, 2892, 2894, 2896, 2898, 2900, 2902, 2904, 2906, 2908, 2910, 2912, 2914, 2916, 2918, 2920, 2922, 2924, 2926, 2928, 2930, 2932, 2934, 2936, 2938, 2940, 2942, 2944, 2946, 2948, 2950, 2952, 2954, 2956, 2958, 2960, 2962, 2964, 2966, 2968, 2970, 2972, 2974, 2976, 2978, 2980, 2982, 2984, 2986, 2988, 2990, 2992, 2994, 2996, 2998, 3000, 3002, 3004, 3006, 3008, 3010, 3012, 3014, 3016, 3018, 3020, 3022, 3024, 3026, 3028, 3030, 3032, 3034, 3036, 3038, 3040, 3042, 3044, 3046, 3048, 3050, 3052, 3054, 3056, 3058, 3060, 3062, 3064, 3066, 3068, 3070, 3072, 3074, 3076, 3078, 3080, 3082, 3084, 3086, 3088, 3090, 3092, 3094, 3096, 3098, 3100, 3102, 3104, 3106, 3108, 3110, 3112, 3114, 3116, 3118, 3120, 3122, 3124, 3126, 3128, 3130, 3132, 3134, 3136, 3138, 3140, 3142, 3144, 3146, 3148, 3150, 3152, 3154, 3156, 3158, 3160, 3162, 3164, 3166, 3168, 3170, 3172, 3174, 3176, 3178, 3180, 3182, 3184, 3186, 3188, 3190, 3192, 3194, 3196, 3198, 3200, 3202, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3220, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3238, 3240, 3242, 3244, 3246, 3248, 3250, 3252, 3254, 3256, 3258, 3260, 3262, 3264, 3266, 3268, 3270, 3272, 3274, 3276, 3278, 3280, 3282, 3284, 3286, 3288, 3290, 3292, 3294, 3296, 3298, 3300, 3302, 3304, 3306, 3308, 3310, 3312, 3314, 3316, 3318, 3320, 3322, 3324, 3326, 3328, 3330, 3332, 3334, 3336, 3338, 3340, 3342, 3344, 3346, 3348, 3350, 3352, 3354, 3356, 3358, 3360, 3362, 3364, 3366, 3368, 3370, 3372, 3374, 3376, 3378, 3380, 3382, 3384, 3386, 3388, 3390, 3392, 3394, 3396, 3398, 3400, 3402, 3404, 3406, 3408, 3410, 3412, 3414, 3416, 3418, 3420, 3422, 3424, 3426, 3428, 3430, 3432, 3434, 3436, 3438, 3440, 3442, 3444, 3446, 3448, 3450, 3452, 3454, 3456, 3458, 3460, 3462, 3464, 3466, 3468, 3470, 3472, 3474, 3476, 3478, 3480, 3482, 3484, 3486, 3488, 3490, 3492, 3494, 3496, 3498, 3500, 3502, 3504, 3506, 3508, 3510, 3512, 3514, 3516, 3518, 3520, 3522, 3524, 3526, 3528, 3530, 3532, 3534, 3536, 3538, 3540, 3542, 3544, 3546, 3548, 3550, 3552, 3554, 3556, 3558, 3560, 3562, 3564, 3566, 3568, 3570, 3572, 3574, 3576, 3578, 3580, 3582, 3584, 3586, 3588, 3590, 3592, 3594, 3596, 3598, 3600, 3602, 3604, 3606, 3608, 3610, 3612, 3614, 3616, 3618, 3620, 3622, 3624, 3626, 3628, 3630, 3632, 3634, 3636, 3638, 3640, 3642, 3644, 3646, 3648, 3650, 3652, 3654, 3656, 3658, 3660, 3662, 3664, 3666, 3668, 3670, 3672, 3674, 3676, 3678, 3680, 3682, 3684, 3686, 3688, 3690, 3692, 3694, 3696, 3698, 3700, 3702, 3704, 3706, 3708, 3710, 3712, 3714, 3716, 3718, 3720, 3722, 3724, 3726, 3728, 3730, 3732, 3734, 3736, 3738, 3740, 3742, 3744, 3746, 3748, 3750, 3752, 3754, 3756, 3758, 3760, 3762, 3764, 3766, 3768, 3770, 3772, 3774, 3776, 3778, 3780, 3782, 3784, 3786, 3788, 3790, 3792, 3794, 3796, 3798, 3800, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, 3818, 3820, 3822, 3824, 3826, 3828, 3830, 3832, 3834, 3836, 3838, 3840, 3842, 3844, 3846, 3848, 3850, 3852, 3854, 3856, 3858, 3860, 3862, 3864, 3866, 3868, 3870, 3872, 3874, 3876, 3878, 3880, 3882, 3884, 3886, 3888, 3890, 3892, 3894, 3896, 3898, 3900, 3902, 3904, 3906, 3908, 3910, 3912, 3914, 3916, 3918, 3920, 3922, 3924, 3926, 3928, 3930, 3932, 3934, 3936, 3938, 3940, 3942, 3944, 3946, 3948, 3950, 3952, 3954, 3956, 3958, 3960, 3962, 3964, 3966, 3968, 3970, 3972, 3974, 3976, 3978, 3980, 3982, 3984, 3986, 3988, 3990, 3992, 3994, 3996, 3998, 4000, 4002, 4004, 4006, 4008, 4010, 4012, 4014, 4016, 4018, 4020, 4022, 4024, 4026, 4028, 4030, 4032, 4034, 4036, 4038, 4040, 4042, 4044, 4046, 4048, 4050, 4052, 4054, 4056, 4058, 4060, 4062, 4064, 4066, 4068, 4070, 4072, 4074, 4076, 4078, 4080, 4082, 4084, 4086, 4088, 4090, 4092, 4094, 4096, 4098, 4100, 4102, 4104, 4106, 4108, 4110, 4112, 4114, 4116, 4118, 4120, 4122, 4124, 4126, 4128, 4130, 4132, 4134, 4136, 4138, 4140, 4142, 4144, 4146, 4148, 4150, 4152, 4154, 4156, 4158, 4160, 4162, 4164, 4166, 4168, 4170, 4172, 4174, 4176, 4178, 4180, 4182, 4184, 4186, 4188, 4190, 4192, 4194, 4196, 4198, 4200, 4202, 4204, 4206, 4208, 4210, 4212, 4214, 4216, 4218, 4220, 4222, 4224, 4226, 4228, 4230, 4232, 4234, 4236, 4238, 4240, 4242, 4244, 4246, 4248, 4250, 4252, 4254, 4256, 4258, 4260, 4262, 4264, 4266, 4268, 4270, 4272, 4274, 4276, 4278, 4280, 4282, 4284, 4286, 4288, 4290, 4292, 4294, 4296, 4298, 4300, 4302, 4304, 4306, 4308, 4310, 431													
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*Reference Data

Mode : 11b, Tx, 11Mbps, 2462MHz + BT(EDR) Hopping ON

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					[dBuV/m]	HOR		VER	[dB]
RBW: 1MHz, VBW: 1MHz												
PK DETECT												
1	2483.50	52.6	50.4	27.2	32.1	2.9	0.0	50.6	48.4	73.9	23.3	25.5
RBW: 1MHz, VBW: 10Hz												
AV DETECT												
1	2483.50	37.7	34.7	27.2	32.1	2.9	0.0	35.7	32.7	53.9	18.2	21.2

Mode : 11g, Tx, 6Mbps, 2412MHz + BT(EDR) Hopping ON

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit PK	MARGIN	
	[MHz]	HOR	VER					[dB/m]	[dB]		[dB]	HOR
(RBW: 1MHz, VBW: 1MHz)												
PK DETECT												
1	2390.00	67.1	65.8	27.0	32.2	2.8	0.0	64.7	63.4	73.9	9.2	10.5
2*	2400.00	65.1	73.1	27.0	32.2	2.8	0.0	62.7	70.7	73.9	-	-
(RBW: 1MHz, VBW: 10Hz)												
AV DETECT												
1	2390.00	44.6	41.0	27.0	32.2	2.8	0.0	42.2	38.6	53.9	11.7	15.3
2*	2400.00	44.4	54.0	27.0	32.2	2.8	0.0	42.0	51.6	53.9	-	-
20dBc (Fundamental) 2412.0 MHz (RBW: 100kHz, VBW: 300kHz)												
No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit 20dBc	MARGIN	
	[MHz]	HOR	VER					[dBuV]	[dB/m]		[dB]	[dB]
1	2412.00	86.9	86.6	27.1	32.1	2.8	0.0	84.7	84.4	-	-	-
2*	2400.00	59.3	60.9	27.0	32.2	2.8	0.0	56.9	58.5	Funda-20dB	7.8	5.9

*Reference Data

Mode : 11b, Tx, 11Mbps, 2462MHz + BT(EDR) Hopping ON

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					[dBuV/m]	HOR		VER	[dB]
PK DETECT (RBW: 1MHz, VBW: 1MHz)												
1	2483.50	66.7	62.8	27.2	32.1	2.9	0.0	64.7	60.8	73.9	9.2	13.1
AV DETECT (RBW: 1MHz, VBW: 10Hz)												
1	2483.50	42.1	39.5	27.2	32.1	2.9	0.0	40.1	37.5	53.9	13.8	16.4

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

*The limit is rounded down to one decimal place.

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

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Radiated Spurious Emission (above 1GHz)

11a, Tx

Company NEC Corporation
Equipmen Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11a 5745MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: AUX

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m / 0.5m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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

PK DETECT (RDBW, ILMJZ, VDBW, ILMJZ)												
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 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11490.0	63.8	59.6	39.8	33.0	6.2	0.6	67.9	63.7	73.9	6.0	10.2
2	17235.0	45.4	46.2	41.5	31.6	7.6	0.6	54.0	54.8	73.9	19.9	19.1
3	22980.0	43.8	44.7	38.7	31.2	8.6	0.0	50.4	51.3	73.9	23.5	22.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	28725.0	NS	NS	-	-	-	-	-	-	73.9	-	-
5	34470.0	42.1	42.1	40.5	25.2	16.6	0.0	58.5	58.5	73.9	15.4	15.4

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

AV DETECT (dBV, 10mV, dBV, 10V)												
No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit AV	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[MHz]	[dBuV]					[dB/m]	[dB]		[dB]	[dB]
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11490.0	49.4	45.9	39.8	33.0	6.2	0.6	53.5	50.0	53.9	0.4	3.9
2	17235.0	33.4	34.3	41.5	31.6	7.6	0.6	42.0	42.9	53.9	11.9	11.0
3	22980.0	31.5	31.5	38.7	31.2	8.6	0.0	38.1	38.1	53.9	15.8	15.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	28725.0	NS	NS	-	-	-	-	-	-	53.9	-	-
5	34470.0	26.8	26.8	40.5	25.2	16.6	0.0	43.2	43.2	53.9	10.7	10.7

20dBc (Fundamental 5745.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT		Limit 20dBc	MARGIN	
	[MHz]	HOR	VER					[dBuV]	[dBm]		[dB]	[dB]
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	5745.00	97.5	95.0	31.9	31.0	3.3	0.0	101.7	99.2	-	-	-
2	5725.00	56.3	56.9	31.9	31.0	3.3	0.0	60.5	61.1	Funda-20dB	21.2	18.1

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

0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.5dB

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

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

*NS: Non Signal

UL Japan, Inc.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Radiated Spurious Emission (above 1GHz)

11a, Tx

Company NEC Corporation
Equipmen Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11a 5785MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: AUX

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m / 0.5m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11570.0	58.4	58.1	39.7	33.0	6.2	0.6	62.4	62.1	73.9	11.5	11.8
2	17355.0	44.8	45.1	42.4	31.6	7.6	0.6	54.3	54.6	73.9	19.6	19.3
3	23140.0	43.4	43.2	38.7	31.2	8.6	0.0	50.0	49.8	73.9	23.9	24.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	28925.0	NS	NS	-	-	-	-	-	-	73.9	-	-
5	34710.0	39.2	40.2	40.6	25.1	16.6	0.0	55.8	56.8	73.9	18.1	17.1

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
		[dBuV]						[dBuV/m]			[dB]	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11570.0	44.1	44.0	39.7	33.0	6.2	0.6	48.1	48.0	53.9	5.8	5.9
2	17355.0	33.1	32.6	42.4	31.6	7.6	0.6	42.6	42.1	53.9	11.3	11.8
3	23140.0	30.5	30.5	38.7	31.2	8.6	0.0	37.1	37.1	53.9	16.8	16.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	28925.0	NS	NS	-	-	-	-	-	-	53.9	-	-
5	34710.0	26.9	26.9	40.6	25.1	16.6	0.0	43.5	43.5	53.9	10.4	10.4

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

0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.5dB

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

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

*NS: Non Signal

UL Japan, Inc.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Radiated Spurious Emission (above 1GHz)

11a, Tx

Company NEC Corporation
Equipment Factory Computer as FC-NOTE Series
Model FC-N22A
S/N PP-090
Power AC120V/60Hz
Mode 11a 5825MHz 6Mbps
Position H: Y-axis, V: X-axis, Worst ANT: AUX

UL Japan, Inc.
Head Office EMC Lab. No.4 Semi Anechoic Chamber
Regulation FCC15.247(d) / RSS-210 A8.5
Test Distance 3m / 1m / 0.5m
Date April 23, 2008
Temperature 23deg.C.
Humidity 59%
Engineer Yutaka Yoshida

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 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11650.0	55.4	60.2	39.6	33.0	6.2	0.6	59.3	64.1	73.9	14.6	9.8
2	17475.0	45.6	44.0	43.3	31.6	7.7	0.7	56.2	54.6	73.9	17.7	19.3
3	23300.0	44.3	44.8	38.7	31.2	8.5	0.0	50.8	51.3	73.9	23.1	22.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	29125.0	NS	NS	-	-	-	-	-	-	73.9	-	-
5	34950.0	39.3	40.1	40.7	25.1	16.7	0.0	56.1	56.9	73.9	17.8	17.0

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	11650.0	42.2	45.7	39.6	33.0	6.2	0.6	46.1	49.6	53.9	7.8	4.3
2	17475.0	32.1	32.3	43.3	31.6	7.7	0.7	42.7	42.9	53.9	11.2	11.0
3	23300.0	32.1	32.1	38.7	31.2	8.5	0.0	38.6	38.6	53.9	15.3	15.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	29125.0	NS	NS	-	-	-	-	-	-	53.9	-	-
5	34950.0	27.2	27.2	40.7	25.1	16.7	0.0	44.0	44.0	53.9	9.9	9.9

20dBc (Fundamental 5825.0 MHz) (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	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
1	5825.00	93.3	92.7	32.0	31.1	3.9	0.0	98.1	97.5	-	-	-
2	5850.00	45.4	43.0	32.0	31.1	3.9	0.0	50.2	47.8	Funda-20dB	27.9	29.7

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

0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.5dB

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

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

*NS: Non Signal

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

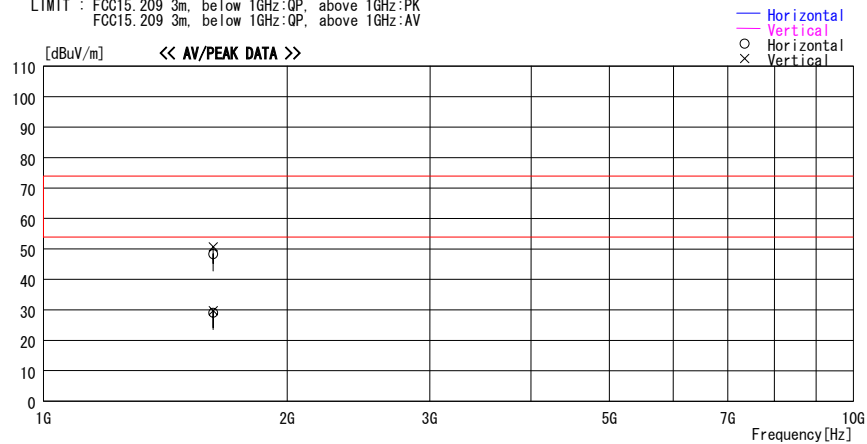
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 24deg. C / 40%
Operator : Yutaka Yoshida

Mode / Remarks : Rx 11a 5785MHz, Hor:Y-axis, Ver:X-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
FCC15.209 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]					
1620.105	53.4	PK	25.7	-30.7	48.4	Hori.	73.9	25.5	
1620.105	55.8	PK	25.7	-30.7	50.8	Vert.	73.9	23.1	
1620.105	34.1	AV	25.7	-30.7	29.1	Hori.	53.9	24.8	
1620.105	34.7	AV	25.7	-30.7	29.7	Vert.	53.9	24.2	

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

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

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

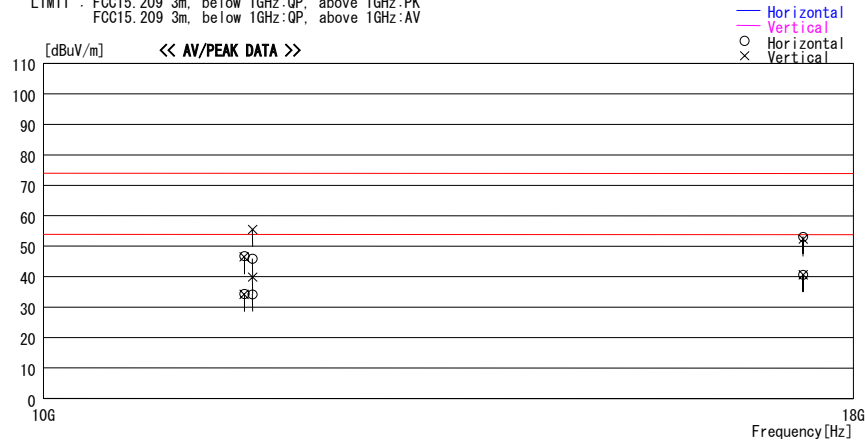
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2008/04/24

Company : NEC Corporation
Kind of EUT : Factory Computer as FC-NOTE Series
Model No. : FC-N22A
Serial No. : PP-090
Report No. : 28HE0115-HO-02
Power : AC120V/60Hz
Temp./Humi. : 24deg. C / 40%
Operator : Yutaka Yoshida

Mode / Remarks : Rx 11a 5785MHz, Hor:Y-axis, Ver:X-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
FCC15.209 3m, below 1GHz:QP, above 1GHz:AV

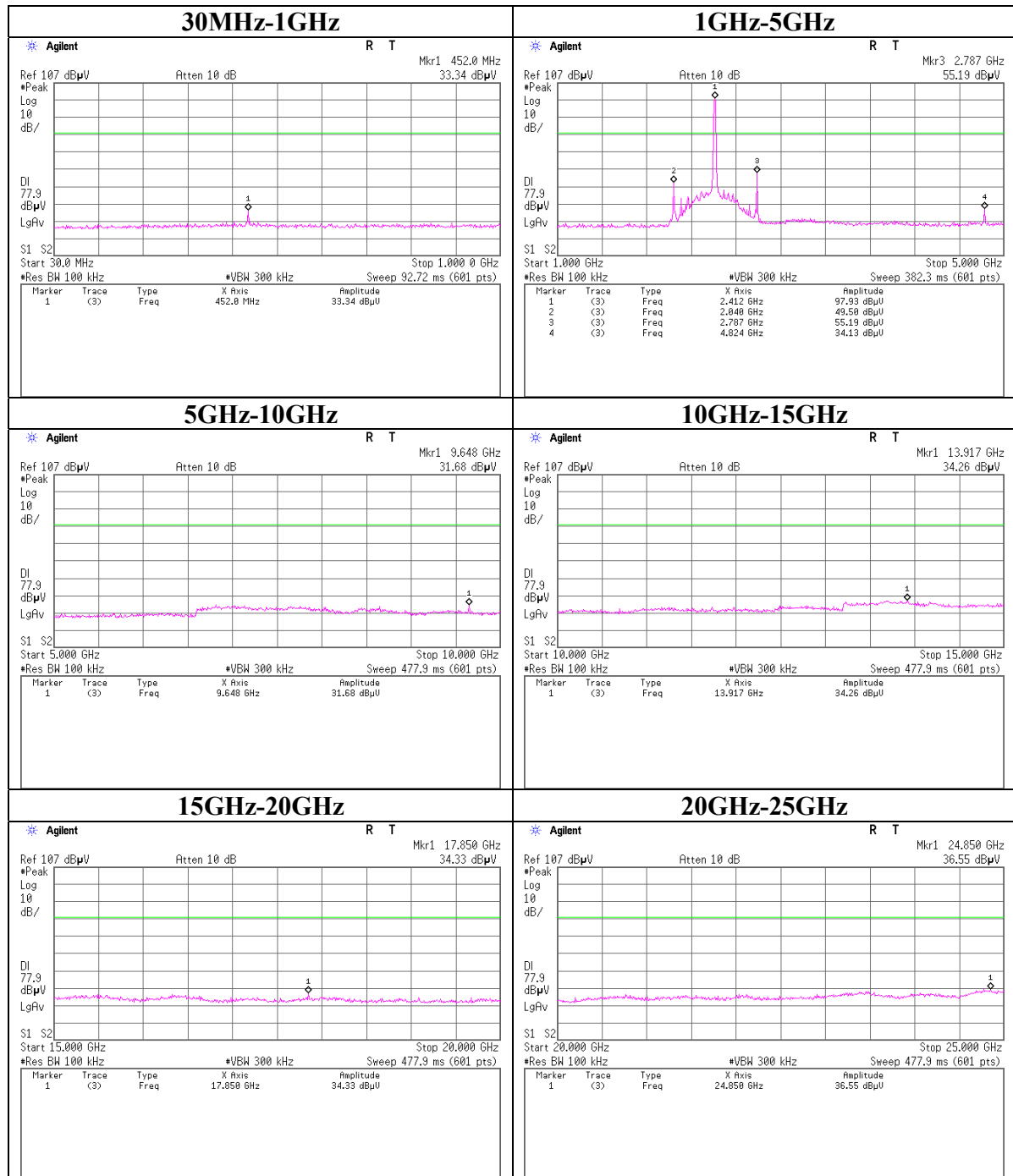


Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]					
11570.000	43.7	PK	39.7	-36.9	46.5	Vert.	73.9	27.4	
11570.000	31.4	AV	39.7	-36.9	34.2	Vert.	53.9	19.7	
11570.000	44.0	PK	39.7	-36.9	46.8	Hori.	73.9	27.1	
11570.000	31.5	AV	39.7	-36.9	34.3	Hori.	53.9	19.6	
11639.500	37.2	AV	39.6	-36.9	39.9	Vert.	53.9	14.0	
11639.500	52.8	PK	39.6	-36.9	55.5	Vert.	73.9	18.4	
11639.500	43.2	PK	39.6	-36.9	45.9	Hori.	73.9	28.0	
11639.500	31.5	AV	39.6	-36.9	34.2	Hori.	53.9	19.7	
17355.000	44.9	PK	42.4	-34.2	53.1	Hori.	73.9	20.8	
17355.000	44.1	PK	42.4	-34.2	52.3	Vert.	73.9	21.6	
17355.000	32.5	AV	42.4	-34.2	40.7	Hori.	53.9	13.2	
17355.000	32.4	AV	42.4	-34.2	40.6	Vert.	53.9	13.3	

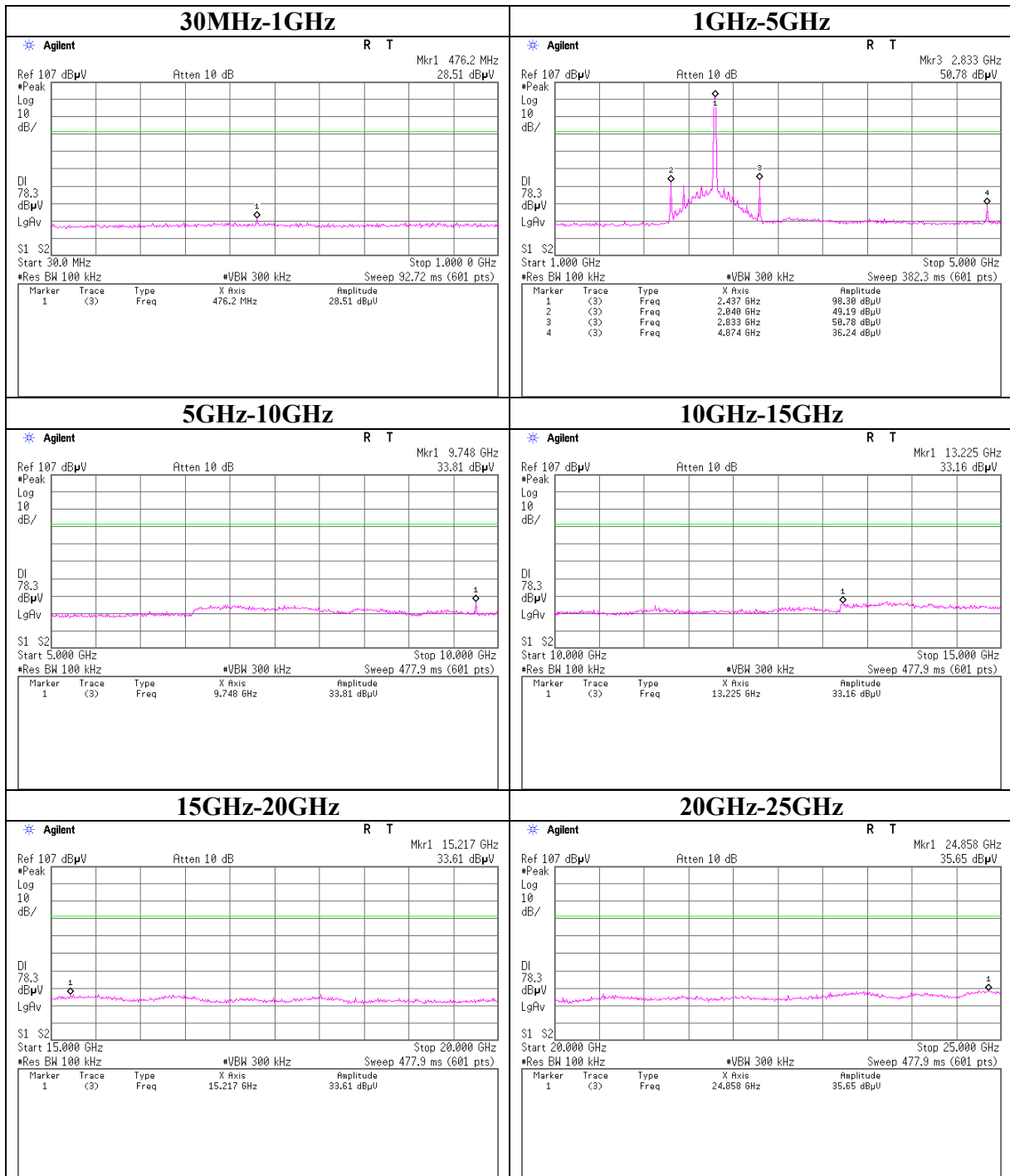
CHART:WITH FACTOR ANT TYPE : -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz-:HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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

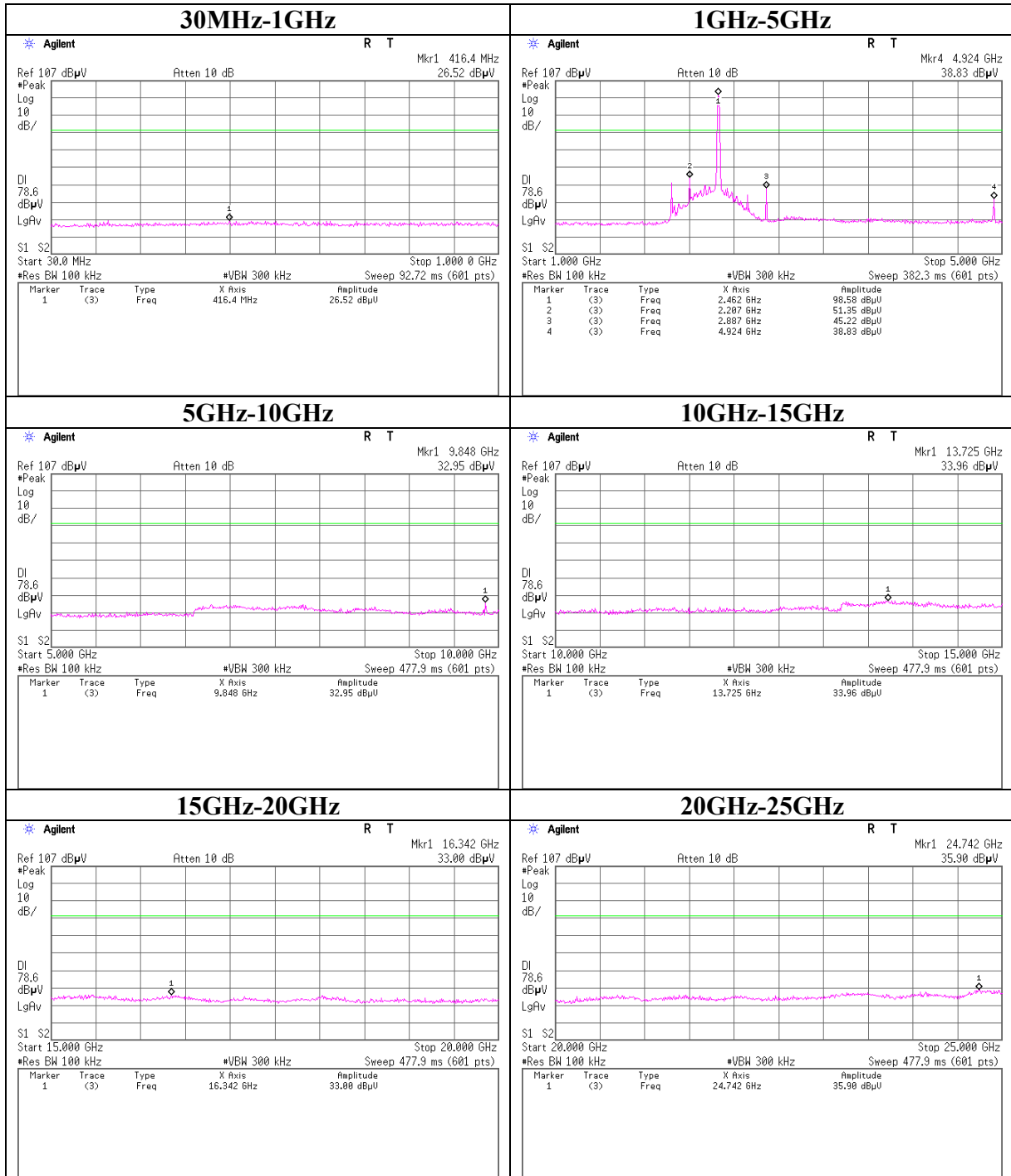
Conducted Spurious Emission
11b, Tx, Ch: Low



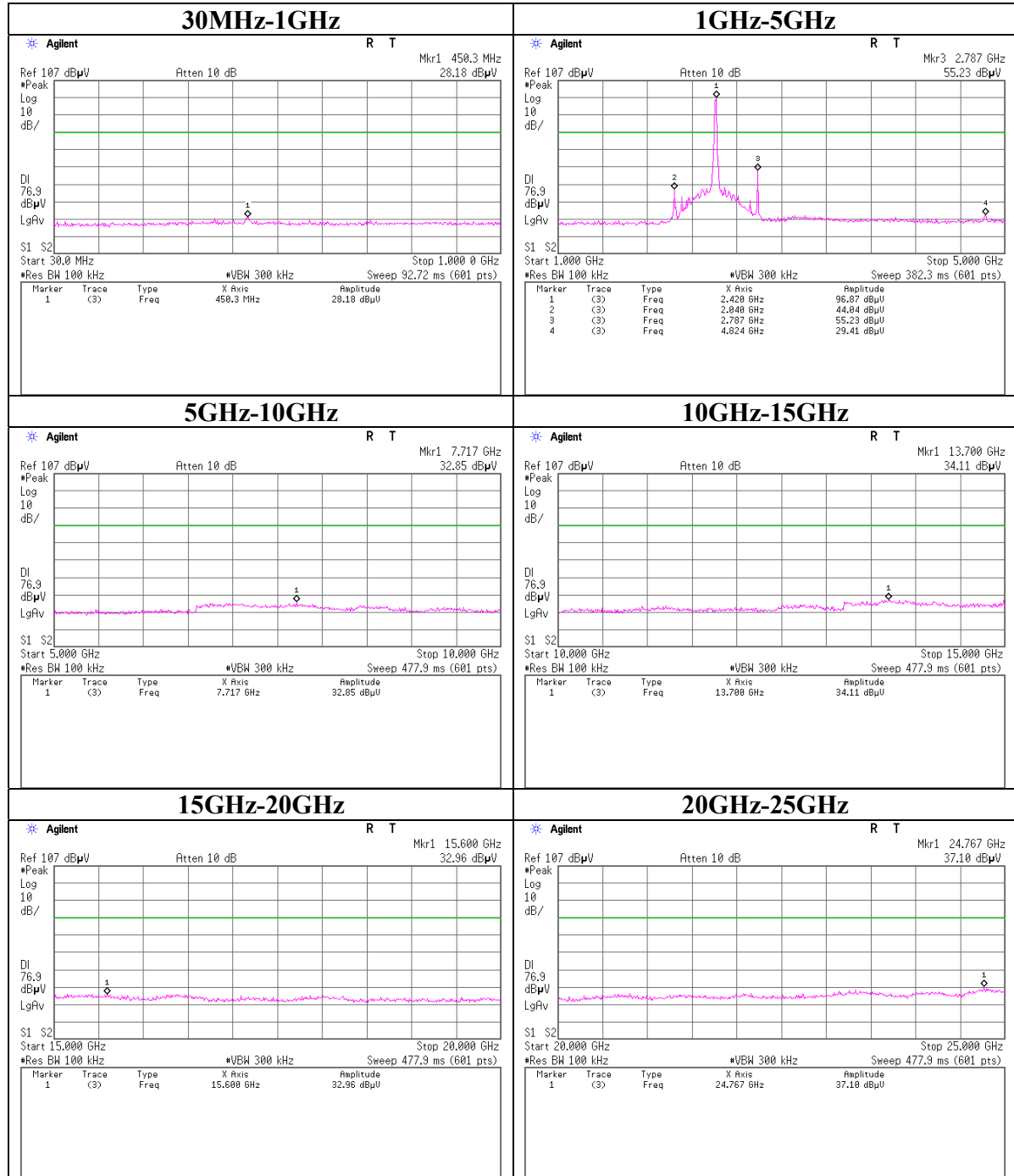
Conducted Spurious Emission
11b, Tx, Ch: Mid



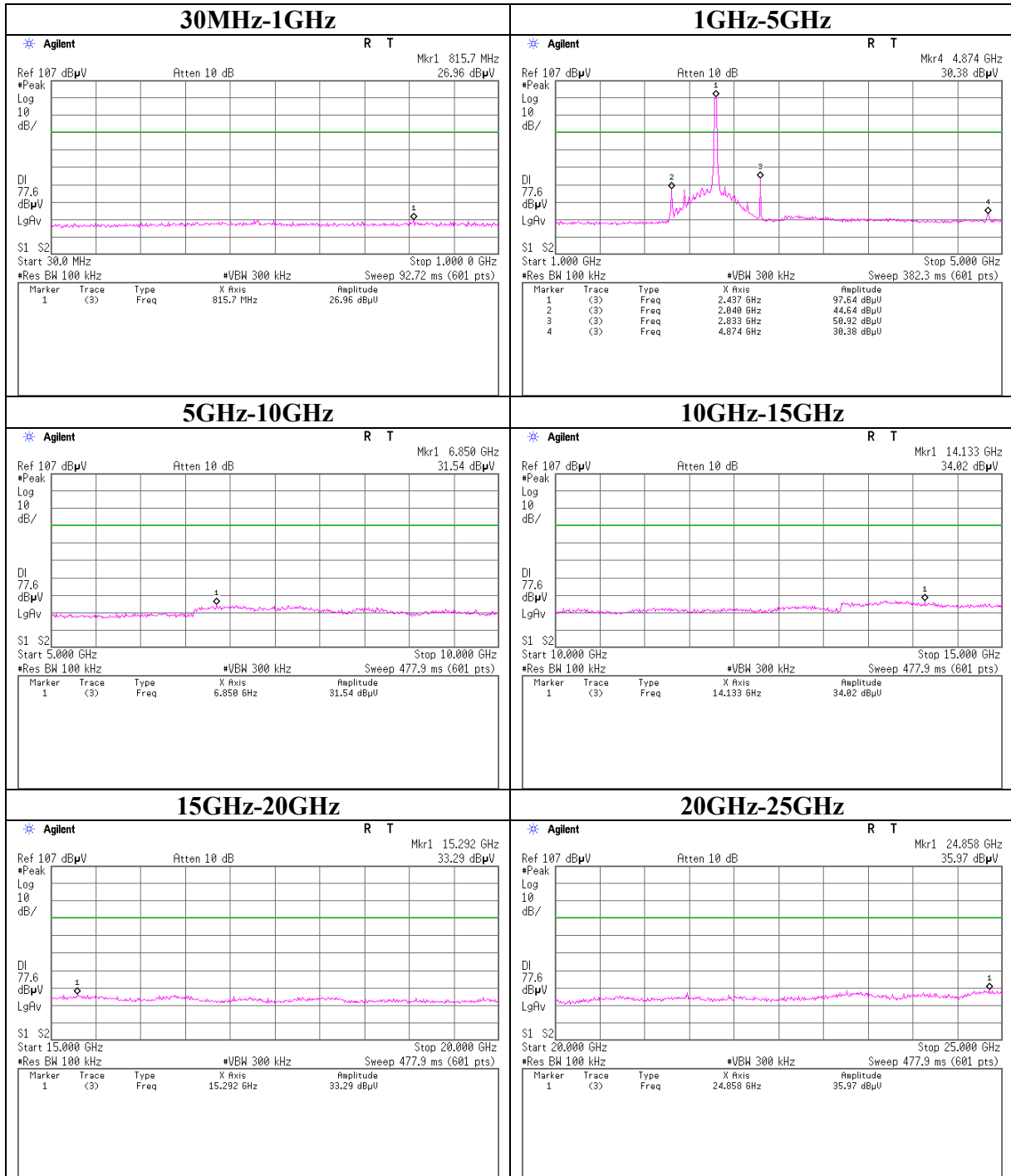
Conducted Spurious Emission
11b, Tx, Ch: High



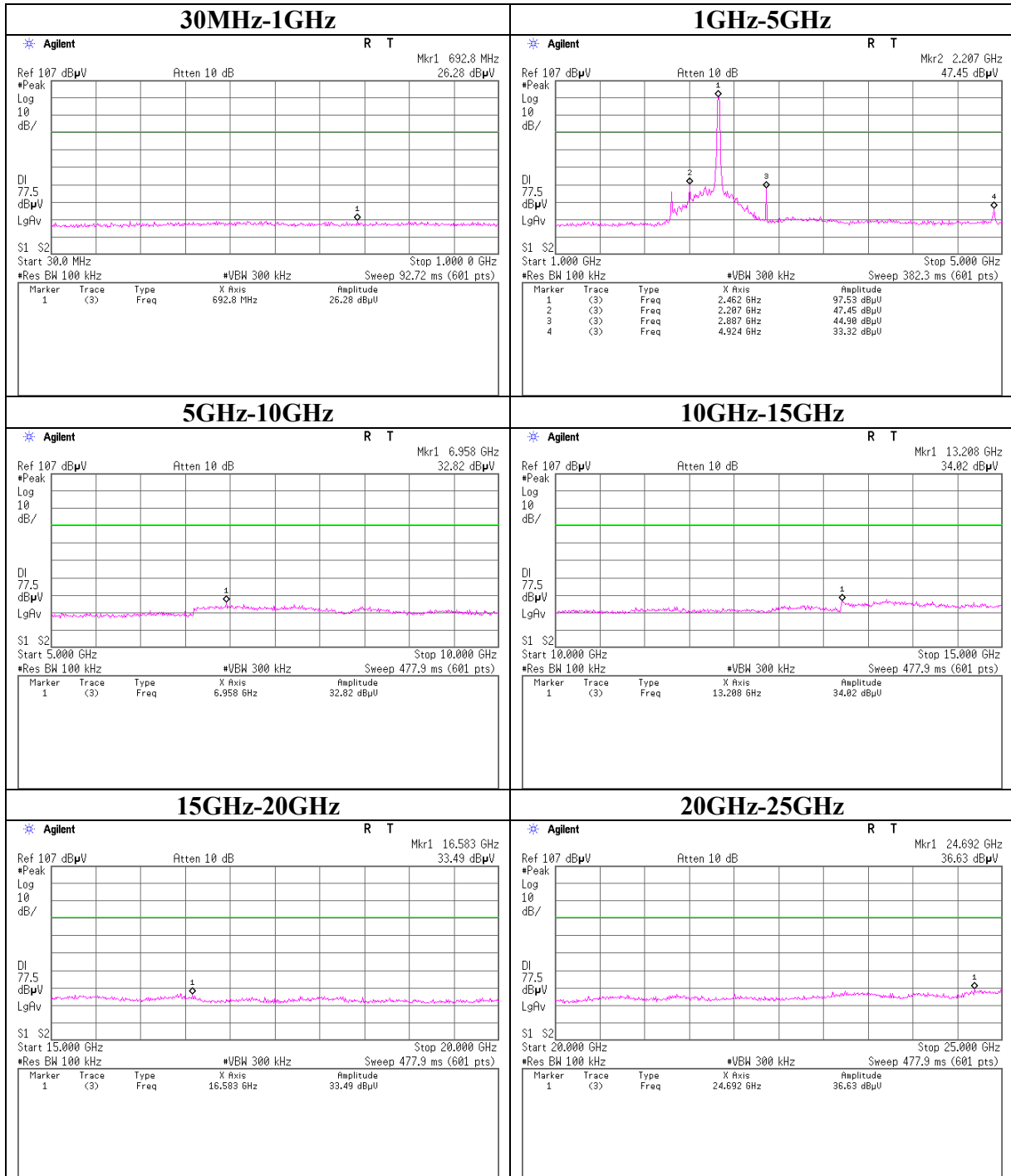
Conducted Spurious Emission
11g, Tx, Ch: Low



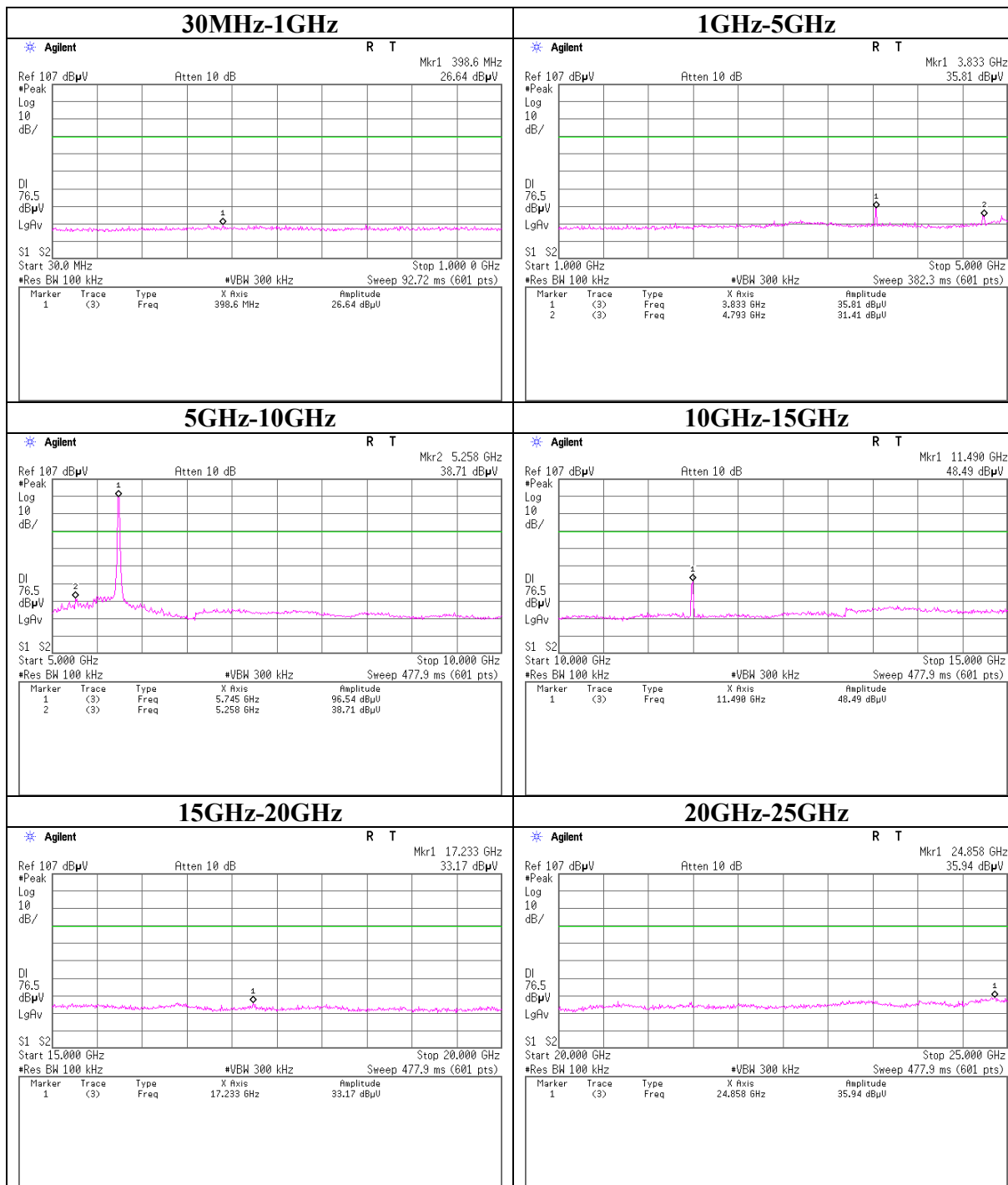
Conducted Spurious Emission
11g, Tx, Ch: Mid



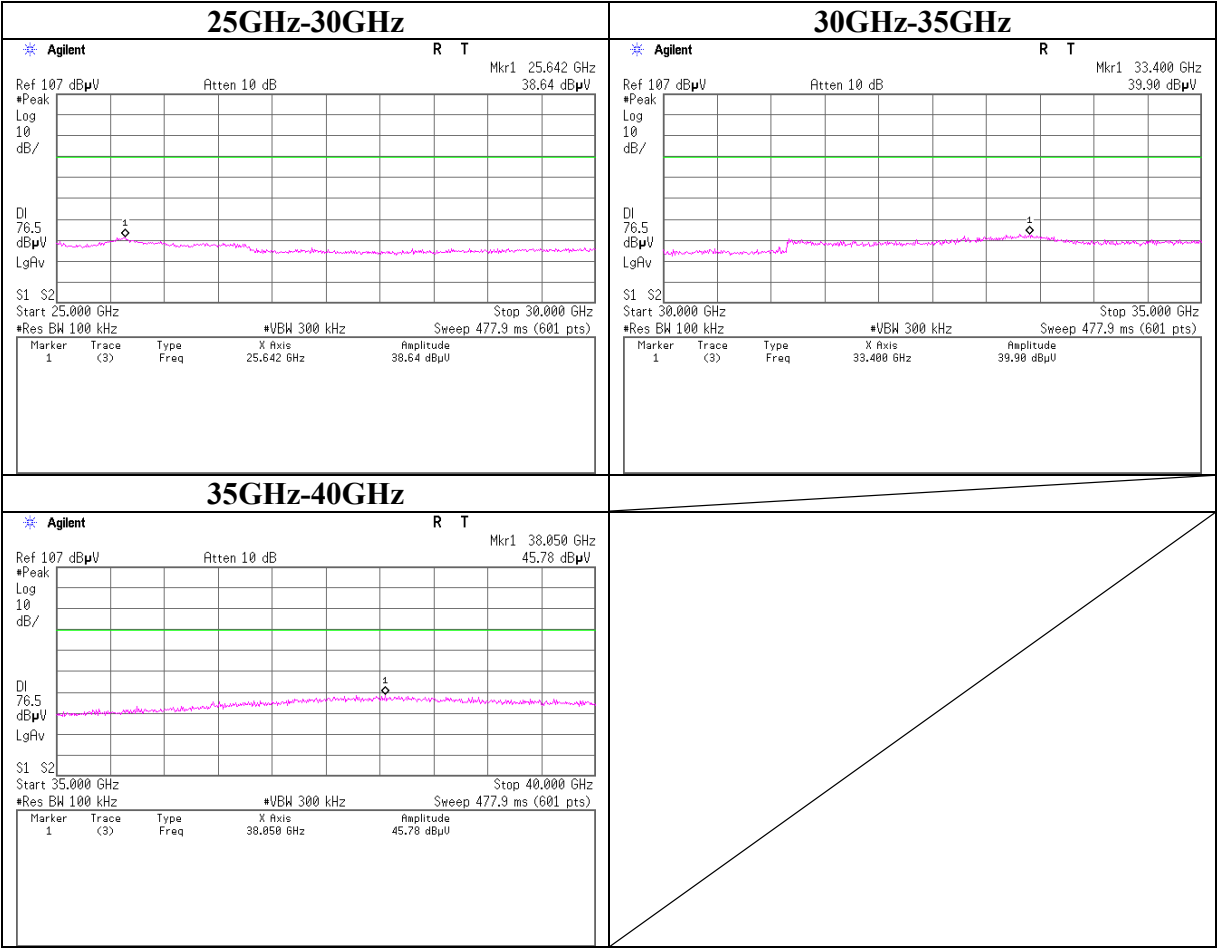
Conducted Spurious Emission
11g, Tx, Ch: High



Conducted Spurious Emission
11a, Tx, Ch: Low

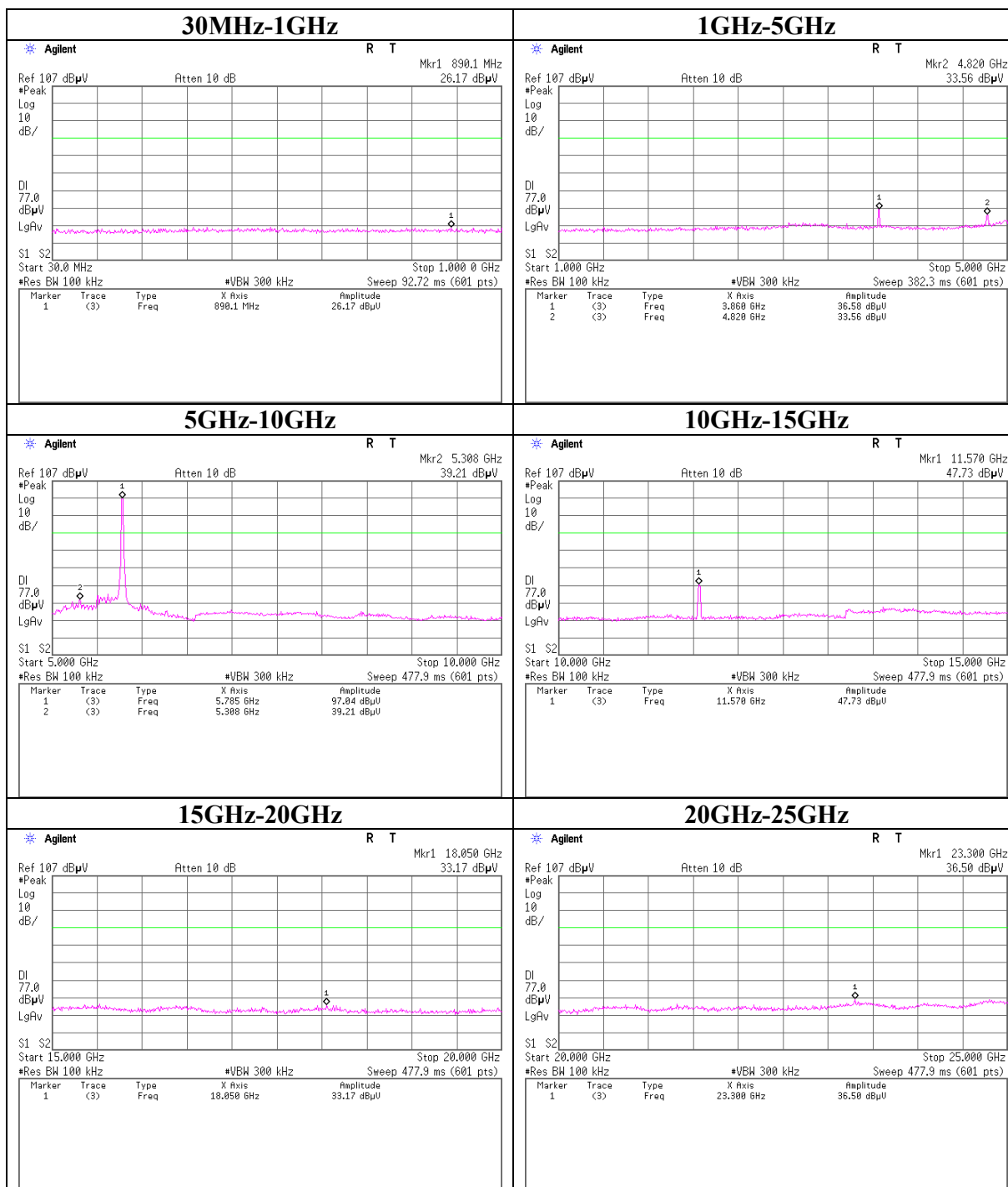


Conducted Spurious Emission
11a, Tx, Ch: Low

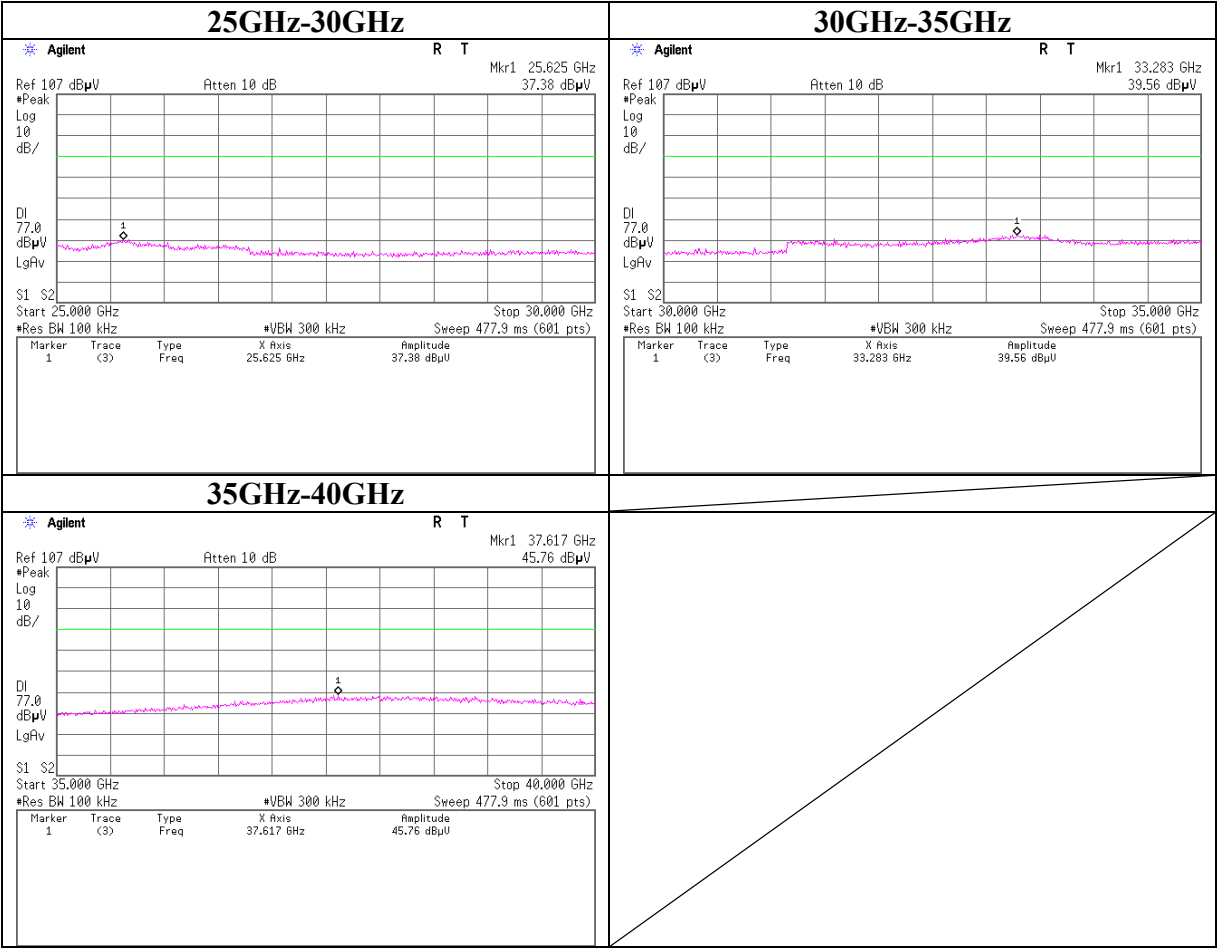


Conducted Spurious Emission

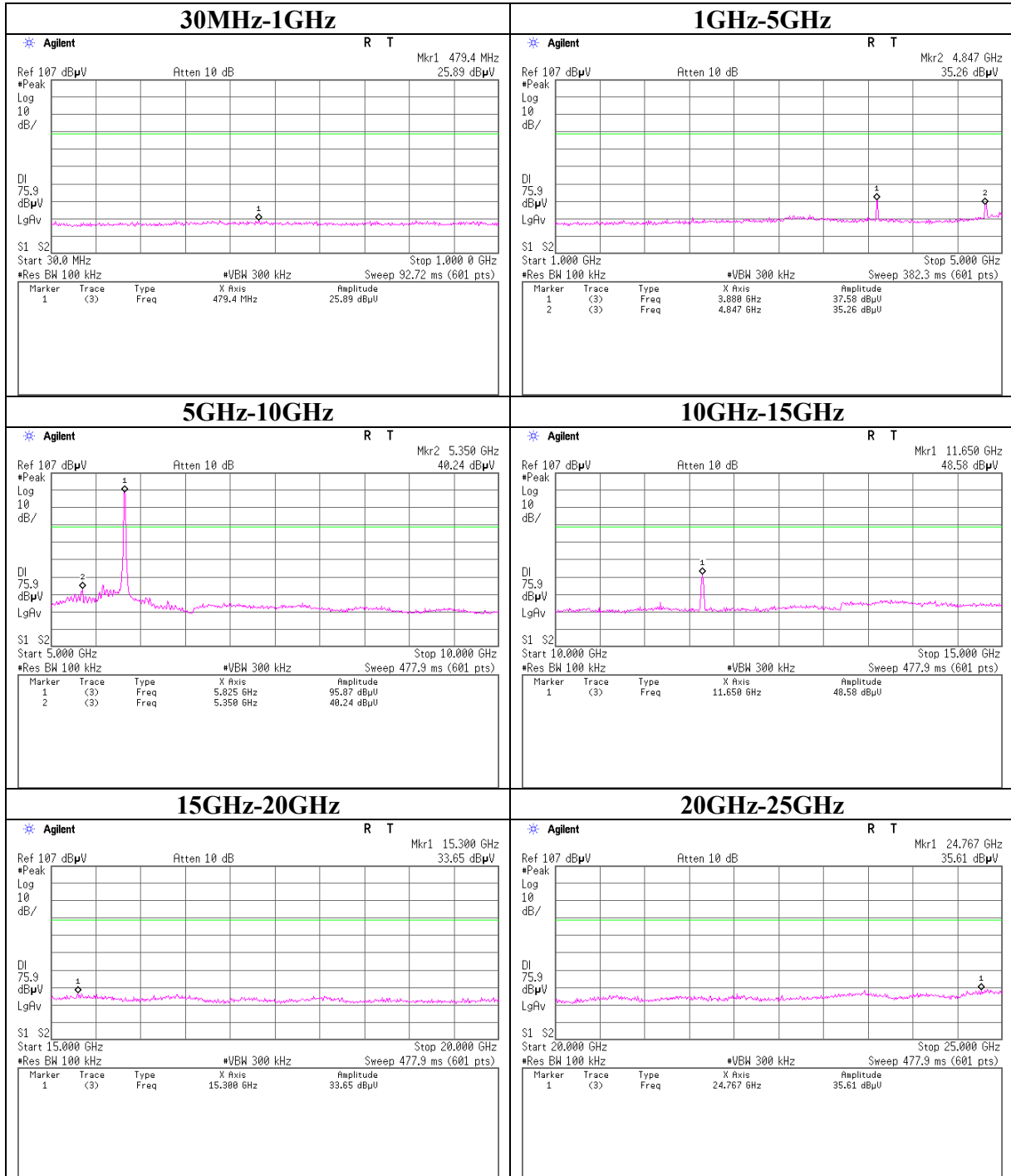
11a, Tx, Ch: Mid



Conducted Spurious Emission
11a, Tx, Ch: Mid

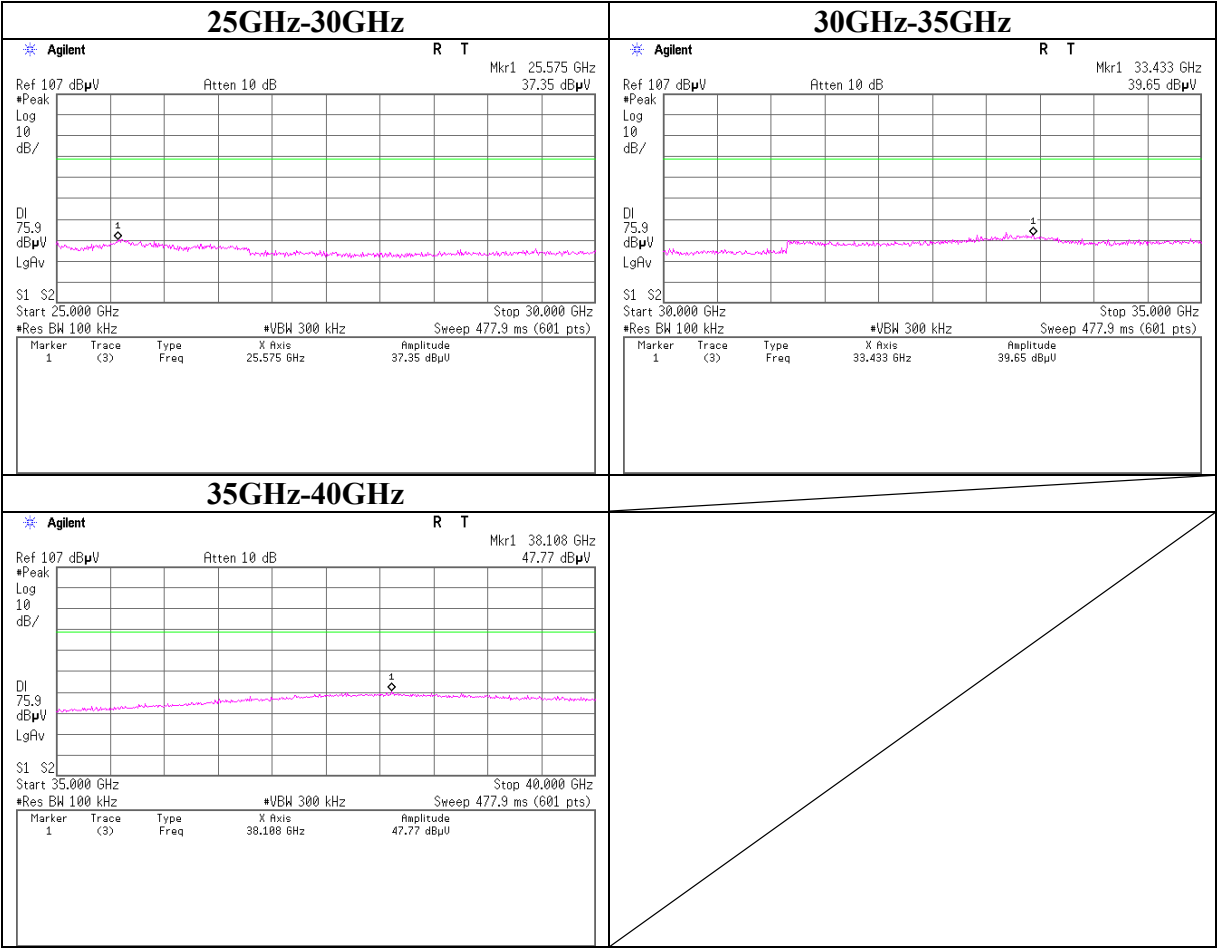


Conducted Spurious Emission
11a, Tx, Ch: High

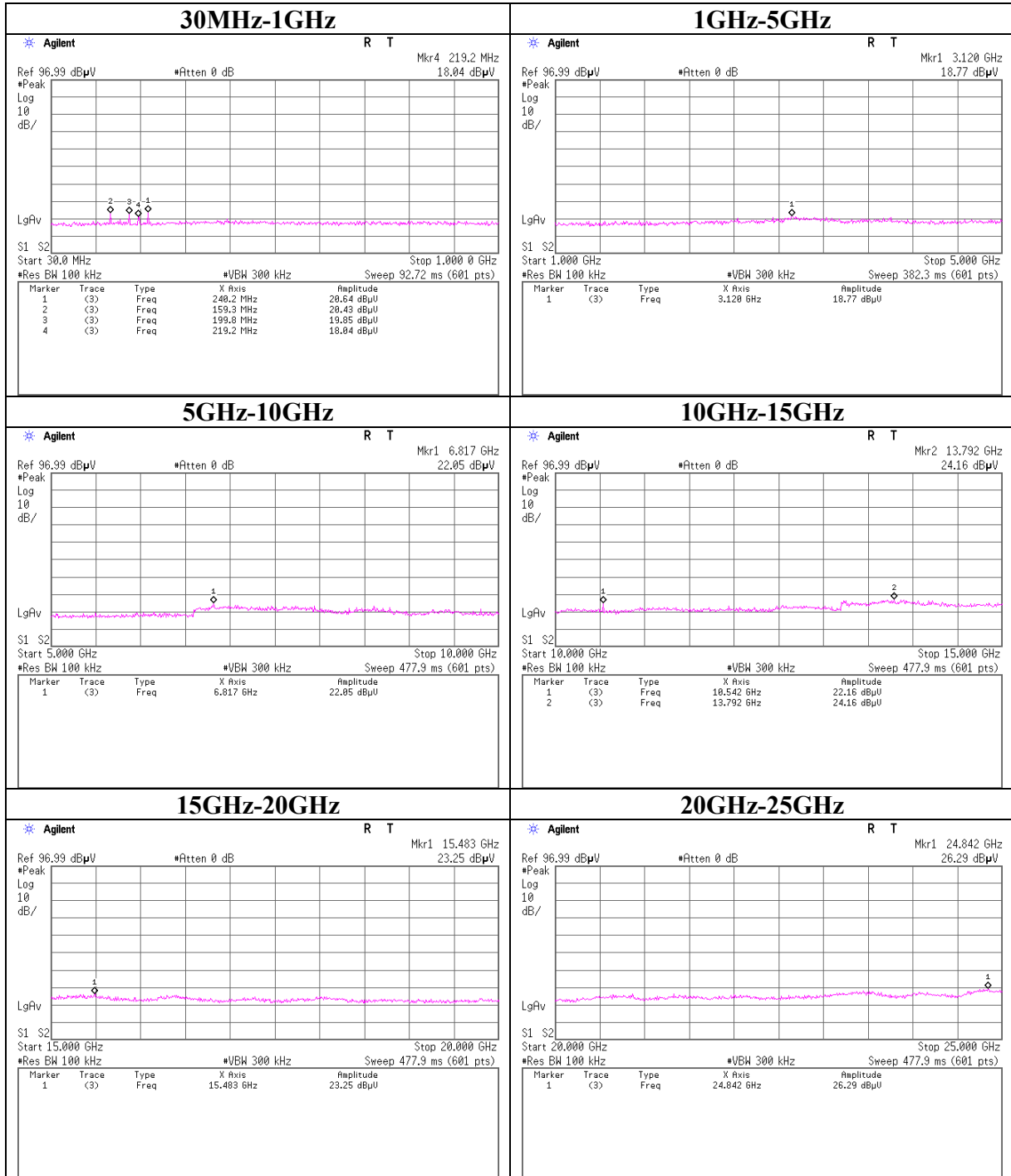


Conducted Spurious Emission

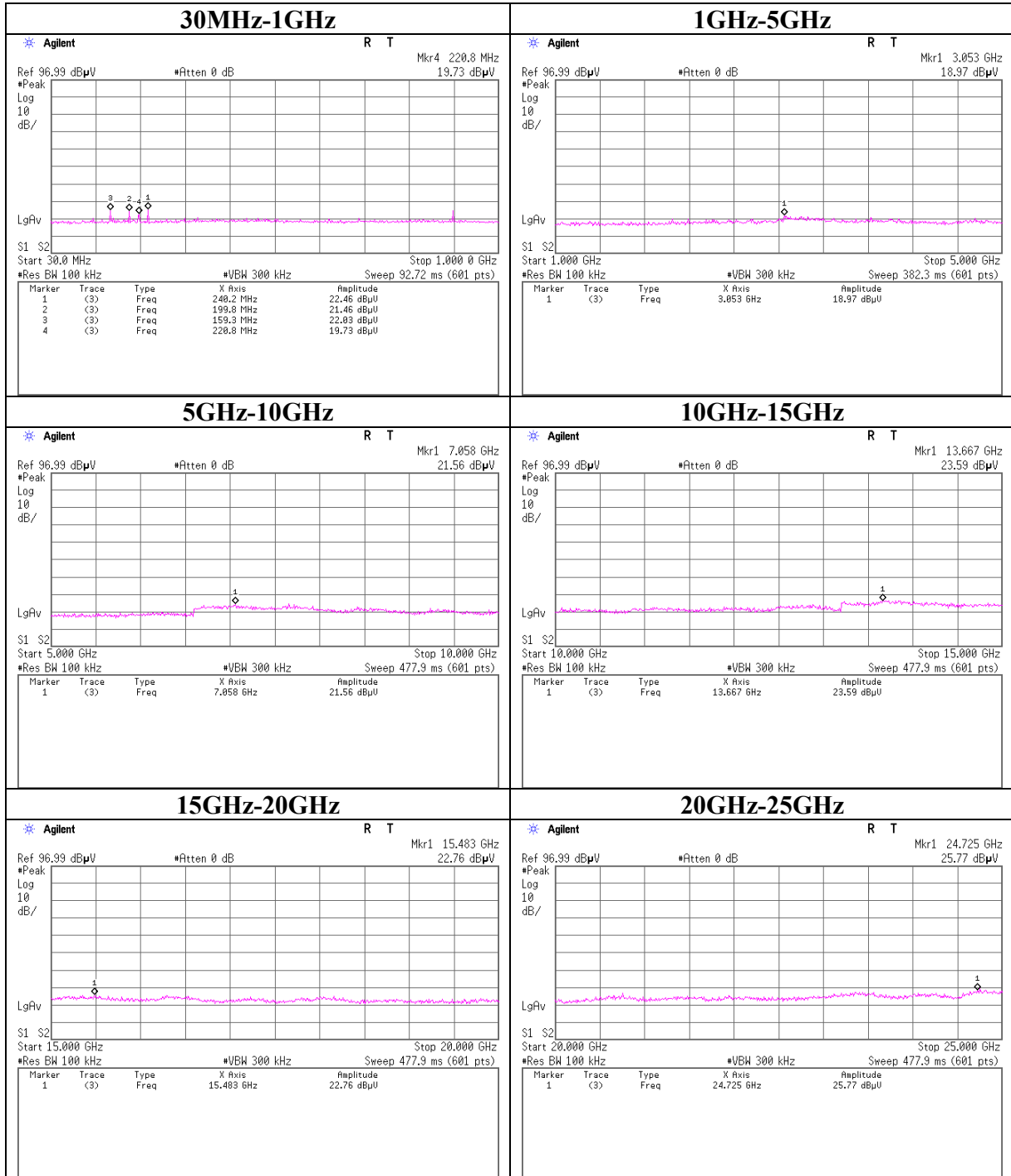
11a, Tx, Ch: High



Conducted Spurious Emission
11b/g, Rx, Ch: Mid

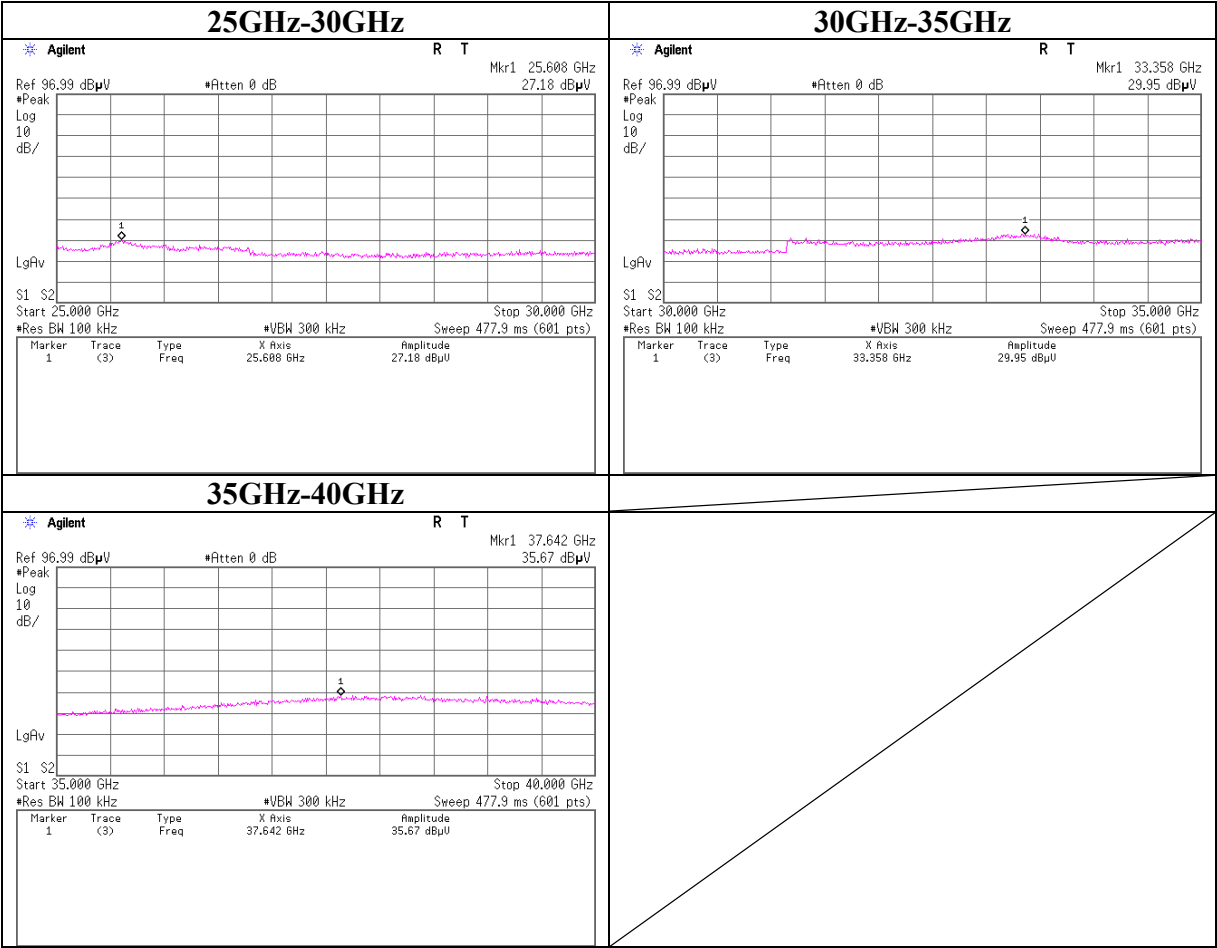


Conducted Spurious Emission
11a, Rx, Ch: Mid



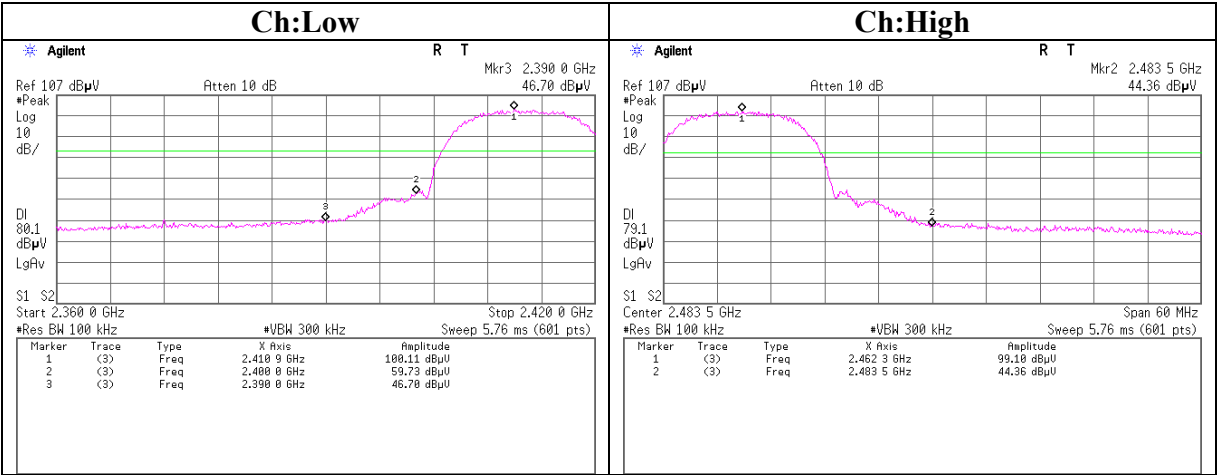
Conducted Spurious Emission

11a, Rx, Ch: Mid



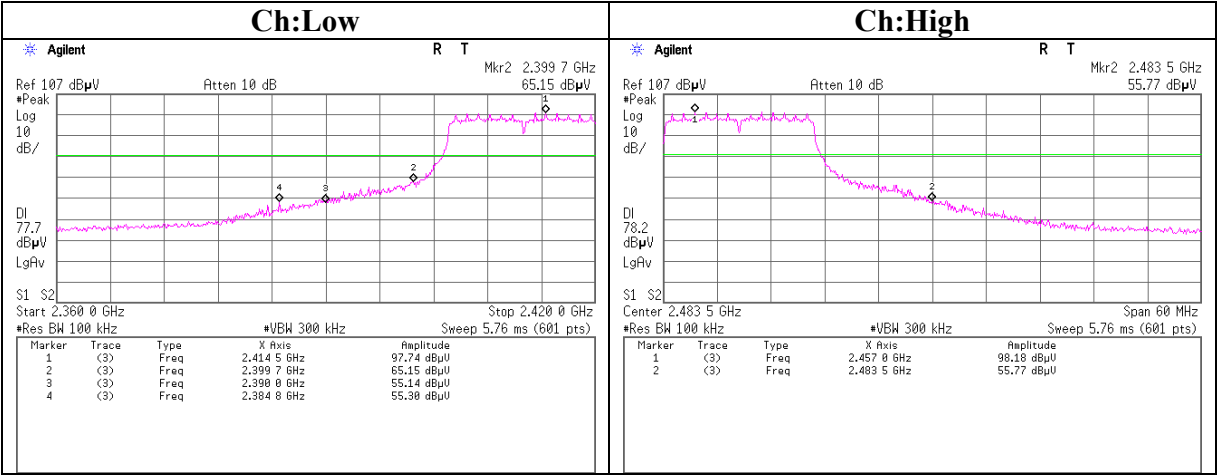
Conducted emission Band Edge compliance

11b



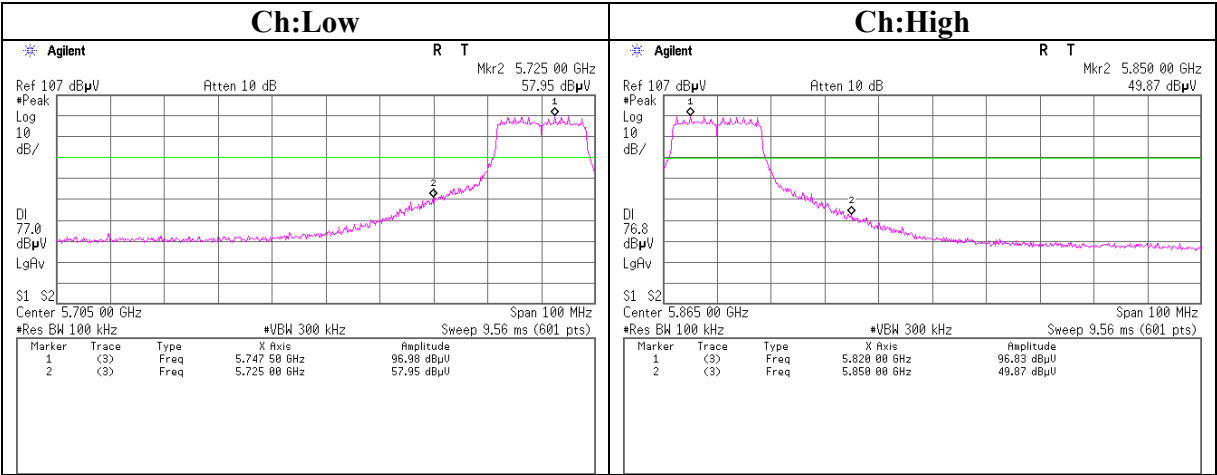
Conducted emission Band Edge compliance

11g



Conducted emission Band Edge compliance

11a



Power Density

Company : NEC Corporation Equipment : Factory Computer as FC-NOTE Series Model : FC-N22A S/N : PP-091 Power : AC 120V / 60Hz Mode : 11b, Transmitting (Tx), 11Mbps 11g, Transmitting (Tx), 6Mbps 11a, Upper band, Transmitting (Tx), 6Mbps ANT : 11b/g: MAIN 11a Upper band: AUX	UL Japan, Inc. Head Office EMC Lab. No.6 Shielded room Regulation : FCC Part15 Subpart C 15.247(e) / RSS-210 A8.2(b) Test Distance : - Date : 04/22/2008 Temperature : 24 deg.C. Humidity : 47% Engineer : Yutaka Yoshida
--	---

[IEEE802.11b 11Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2413.0	-23.63	1.93	10.23	-11.5	8.0	19.5
Mid	2436.6	-23.31	1.93	10.23	-11.2	8.0	19.2
High	2462.2	-23.12	1.93	10.23	-11.0	8.0	19.0

[IEEE802.11g 6Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.0	-22.28	1.93	10.23	-10.1	8.0	18.1
Mid	2437.4	-22.49	1.93	10.23	-10.3	8.0	18.3
High	2464.5	-21.49	1.93	10.23	-9.3	8.0	17.3

[IEEE802.11a Upper band 6Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	5743.4	-22.65	3.03	10.32	-9.3	8.0	17.3
Mid	5782.1	-23.19	3.03	10.32	-9.8	8.0	17.8
High	5825.2	-23.54	3.03	10.32	-10.2	8.0	18.2

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

UL Japan, Inc.

Head Office EMC Lab.

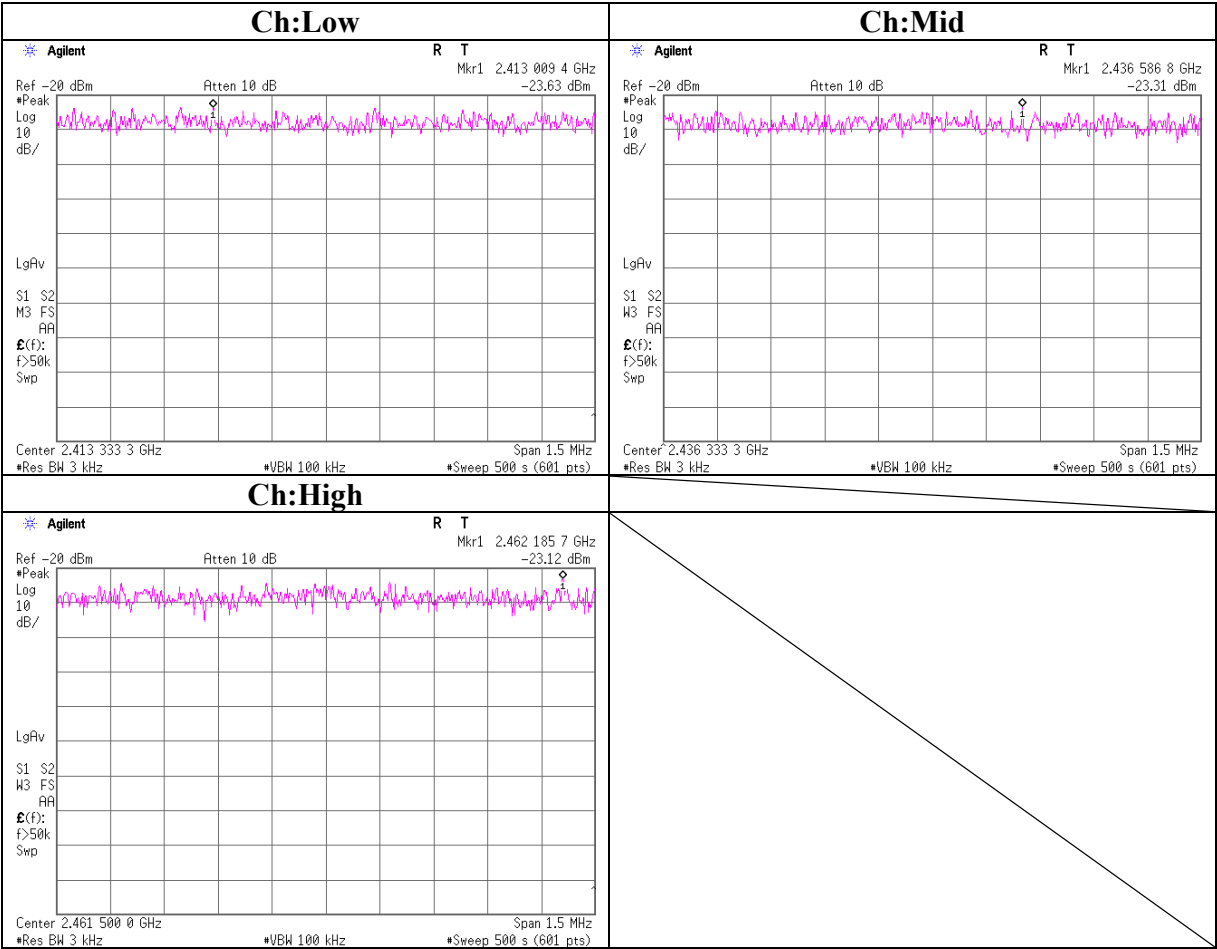
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

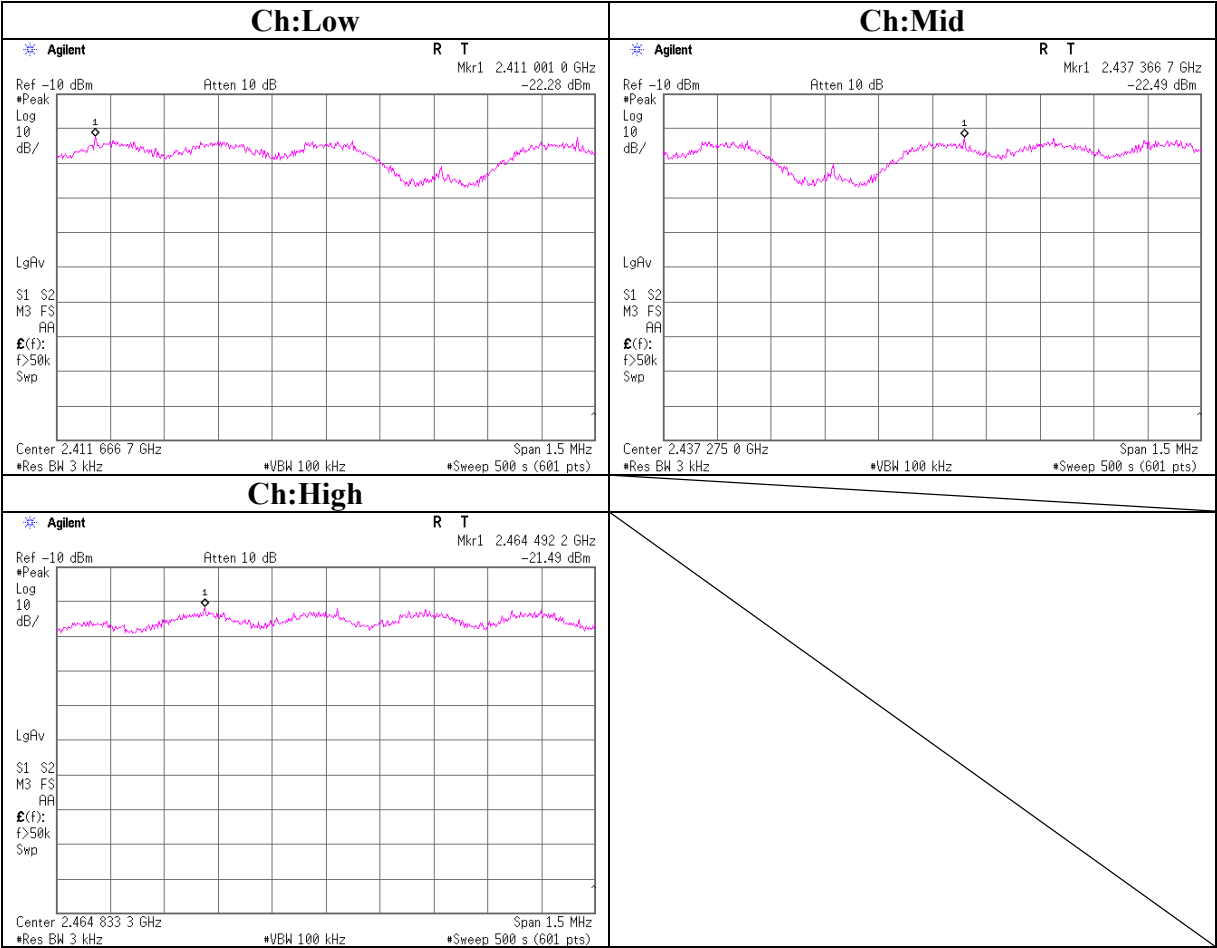
Power Density

11b



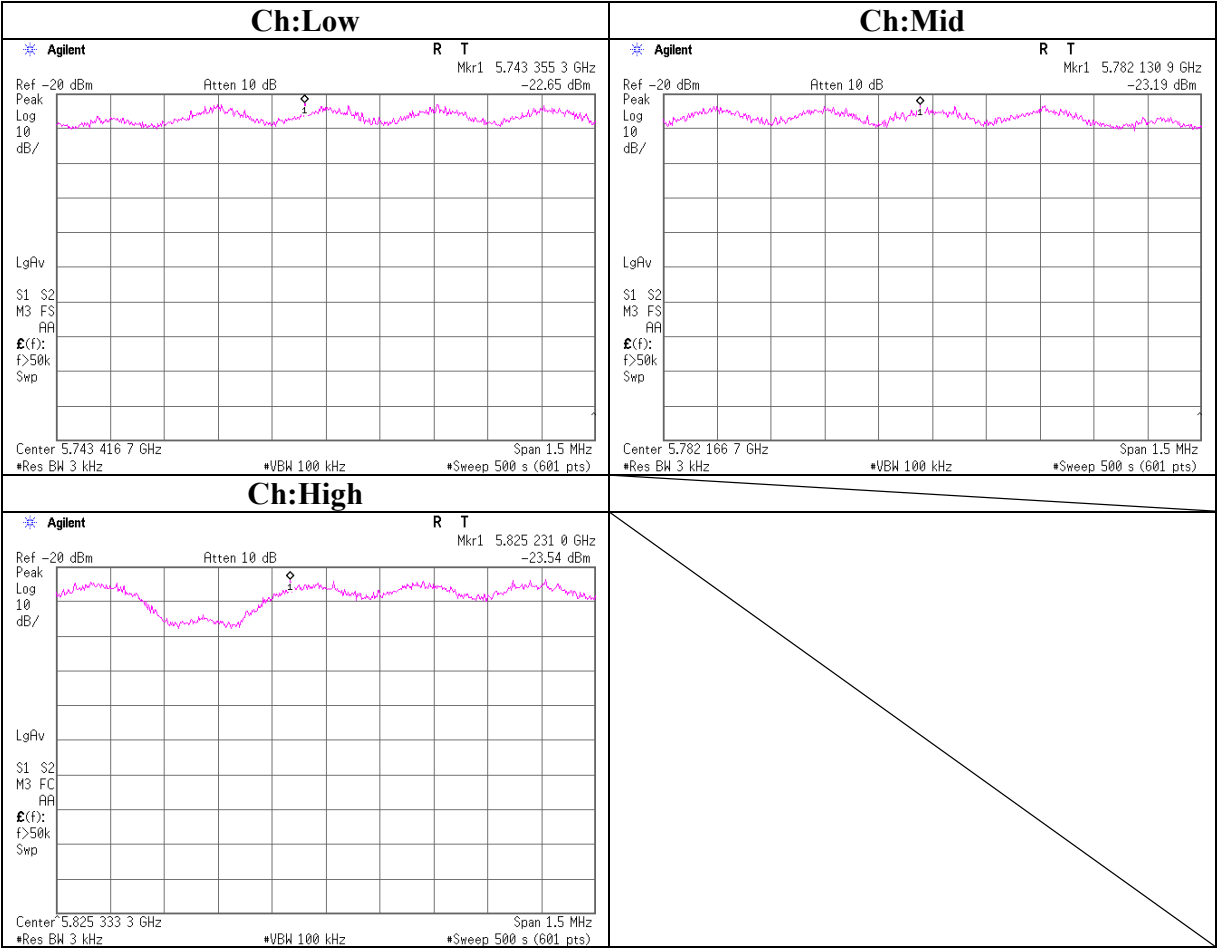
Power Density

11g



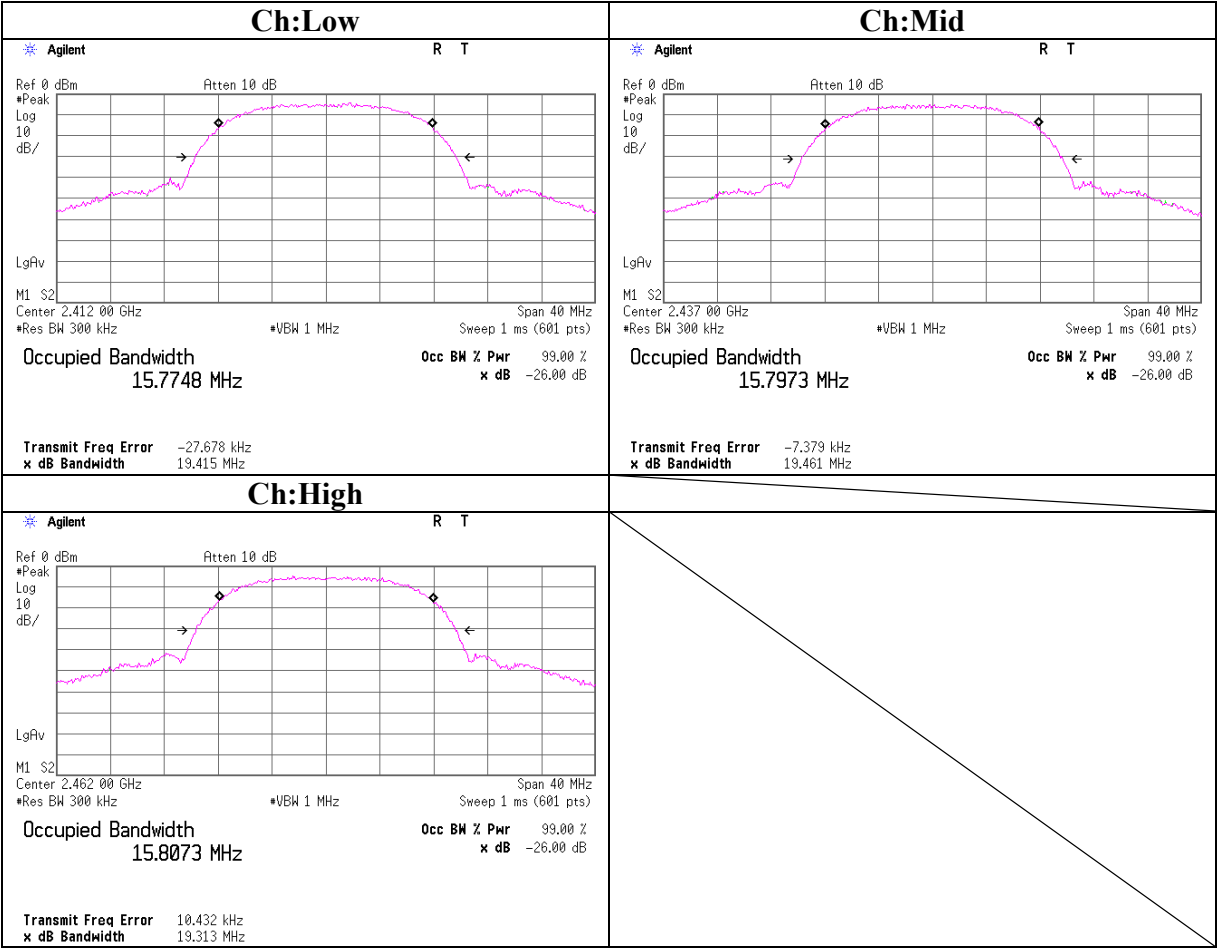
Power Density

11a



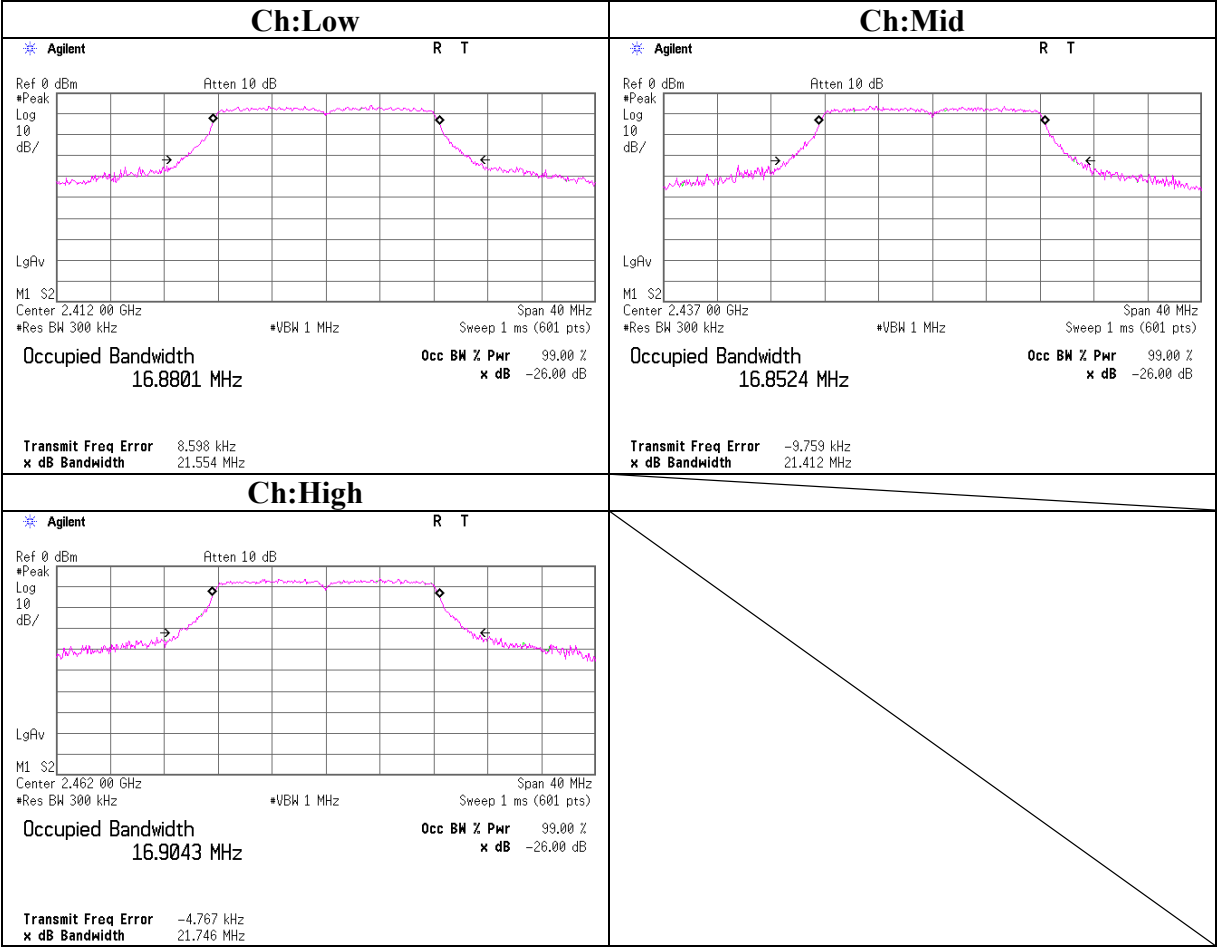
99%Occupied Bandwidth

11b



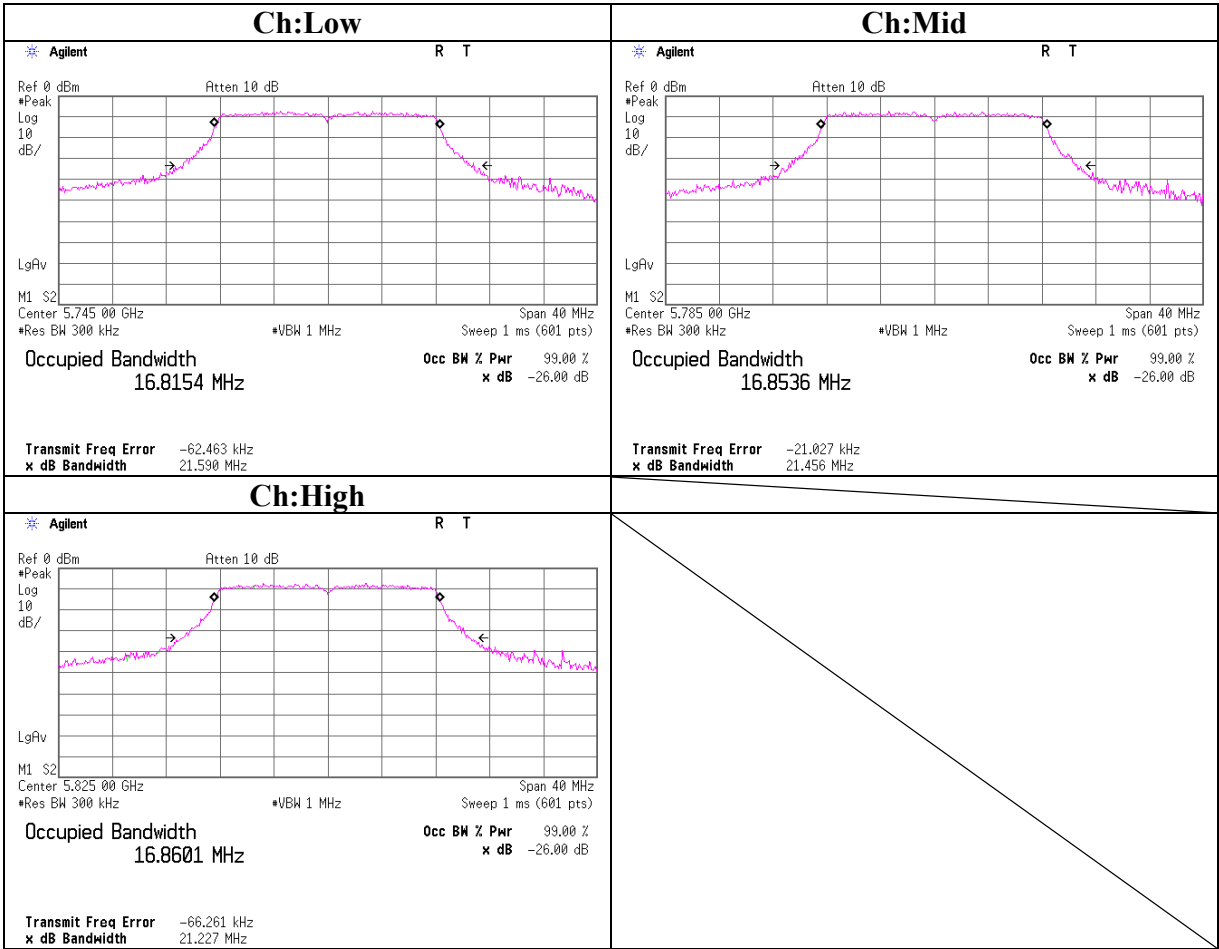
99%Occupied Bandwidth

11g



99%Occupied Bandwidth

11a



APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2008/03/27 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2008/01/10 * 12
MJM-07	Measure	PROMART	SEN1955	RE	-
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/08/16 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/05 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MCC-79	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MHF-20	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCC	RE	2007/12/10 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE	2007/06/01 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2008/01/12 * 12
MCC-50	Coaxial cable	UL Japan	-	RE	2008/03/17 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 12
MRENT-67	Spectrum Analyzer	Agilent	E4448A	RE	2008/04/02 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2007/09/14 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE(EUT)	2008/02/19 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE(AE)	2008/02/20 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2008/02/04 * 12
MCC-64	Coaxial Cable	TOYO Technica Corporation	-	CE	2008/03/11 * 12
MOS-24	Thermo-Hygrometer	Custom	CTH-201	CE	2007/12/27 * 12
MJM-09	Measure	KDS	E19-55	CE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	AT	2008/02/27 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MCC-05	Microwave Cable 1G-40GHz 2m	Storm	421-011 (90-1394-079)	AT	2008/01/31 * 12
MAT-20	Attenuator(10dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2008/01/09 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MMM-11	Digital HiTESTER	Hioki	3805	AT	2008/04/09 * 12
MPSU-12	Power Supply	NF	ES1000S	AT	Pre Check

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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