APPENDIX 2: Data of EMI test

Conducted Emission

Tx, Low-Band / Low-Channel(5180MHz)

DATA OF CONDUCTED EMISSION TEST

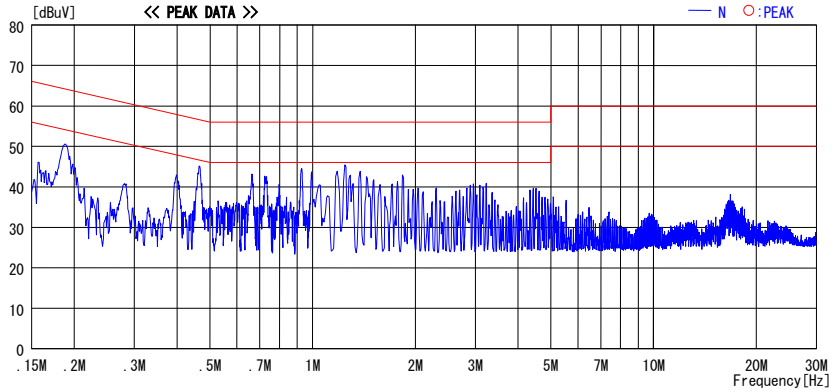
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5180MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



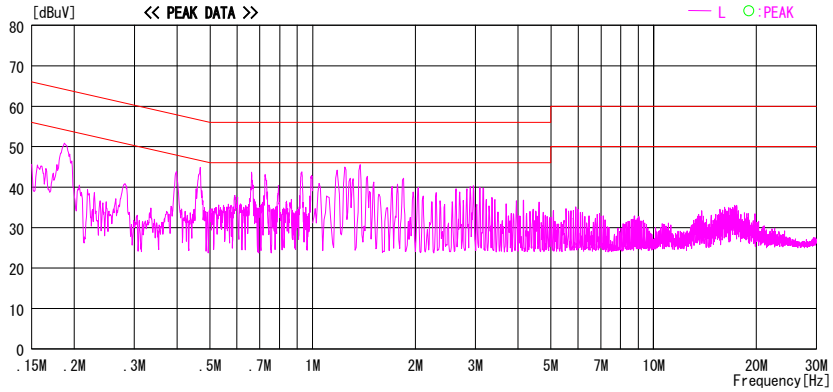


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Mid-Band / Low-Channel(5260MHz)

DATA OF CONDUCTED EMISSION TEST

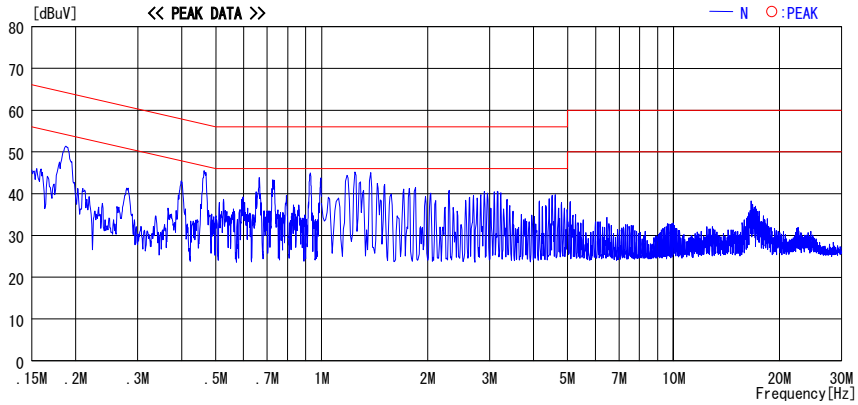
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5260MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



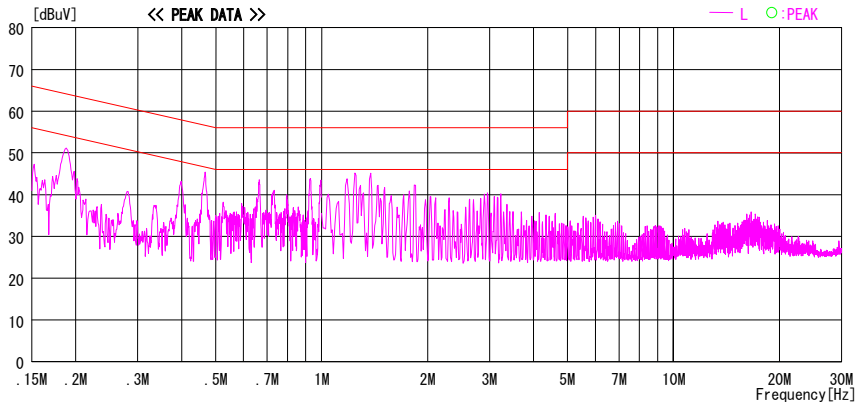


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Mid-Band / High-Channel(5320MHz)

DATA OF CONDUCTED EMISSION TEST

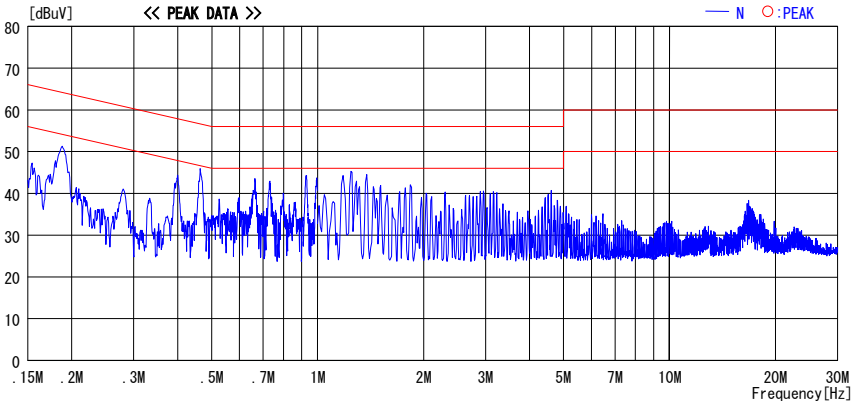
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5320MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



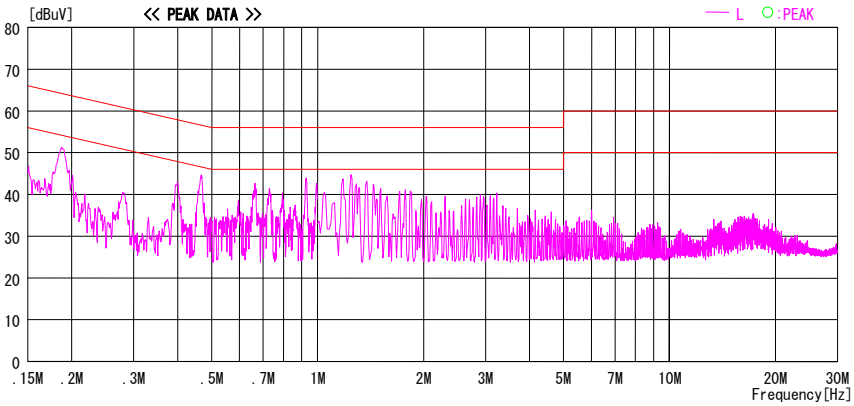


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Mid-Band / High-Channel(5320MHz)

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

DATA OF CONDUCTED EMISSION TEST

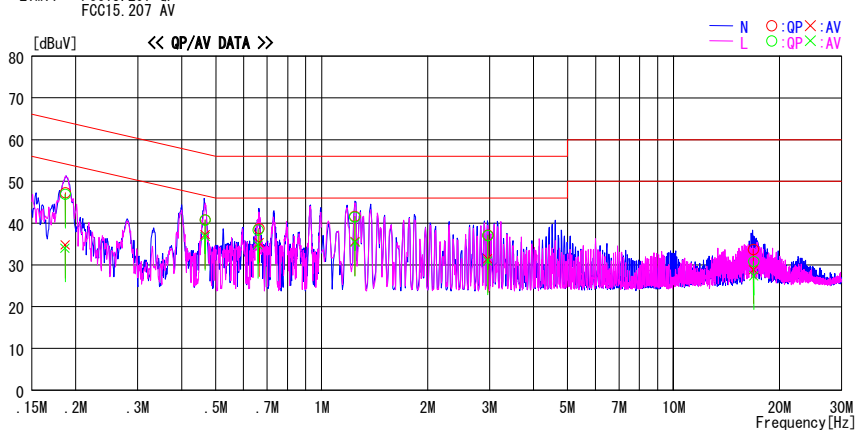
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5320MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level QP	Reading Level AV	Corr. Factor	Results QP	Results AV	Limit QP	Limit AV	Margin QP	Margin AV	Phase
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
0.18683	47.0	34.5	0.3	47.3	34.8	64.2	54.2	16.9	19.4	N
0.46645	40.5	36.9	0.3	40.8	37.2	56.6	46.6	15.8	9.4	N
0.66425	38.4	35.0	0.3	38.7	35.3	56.0	46.0	17.3	10.7	N
1.24310	41.2	35.2	0.4	41.6	35.6	56.0	46.0	14.4	10.4	N
2.96620	36.6	31.0	0.5	37.1	31.5	56.0	46.0	18.9	14.5	N
16.87300	32.0	27.1	1.7	33.7	28.8	60.0	50.0	26.3	21.2	N
0.18639	46.6	33.7	0.3	46.9	34.0	64.2	54.2	17.3	20.2	L
0.46620	40.4	36.5	0.3	40.7	36.8	56.6	46.6	15.9	9.8	L
0.65860	38.1	34.5	0.3	38.4	34.8	56.0	46.0	17.6	11.2	L
1.24300	41.1	35.0	0.4	41.5	35.4	56.0	46.0	14.5	10.6	L
2.96590	36.5	30.4	0.5	37.0	30.9	56.0	46.0	19.0	15.1	L
16.91100	29.1	25.7	1.7	30.8	27.4	60.0	50.0	29.2	22.6	L

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

Conducted Emission

Tx, Additional-Band / Low-Channel(5500MHz)

DATA OF CONDUCTED EMISSION TEST

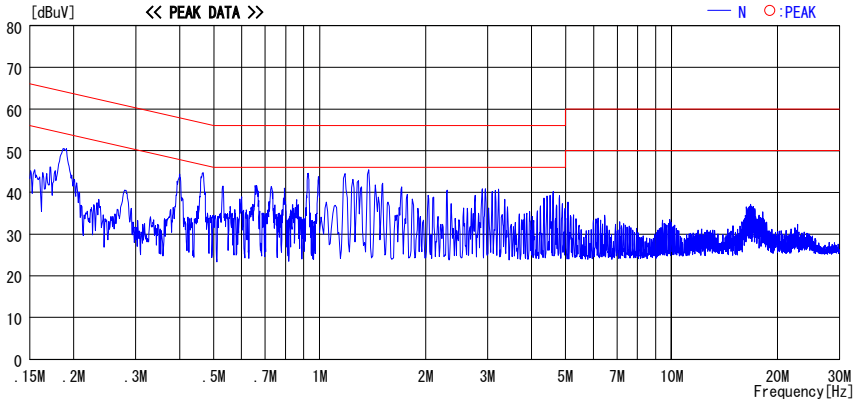
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5500MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



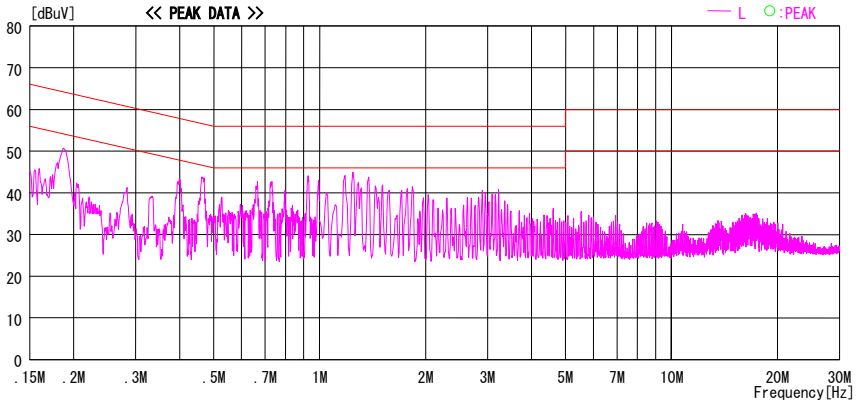


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Additional-Band / Mid-Channel(5600MHz)

DATA OF CONDUCTED EMISSION TEST

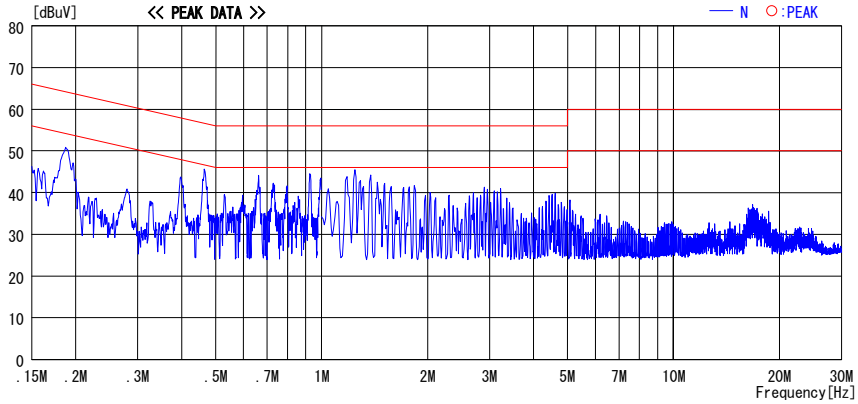
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5600MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



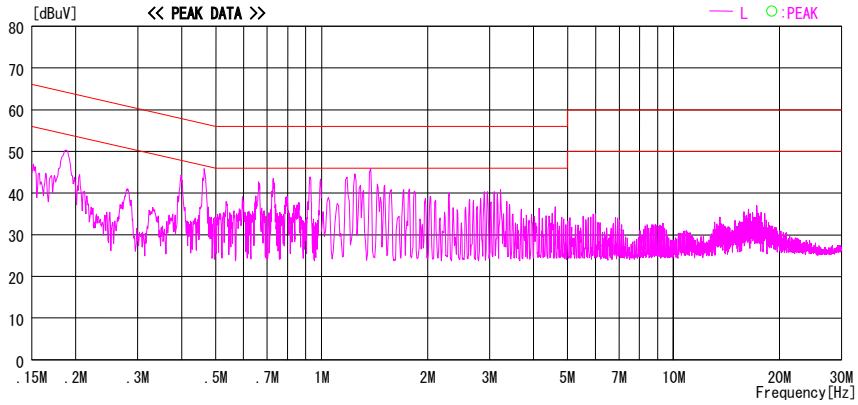


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Additional-Band / High-Channel(5700MHz)

DATA OF CONDUCTED EMISSION TEST

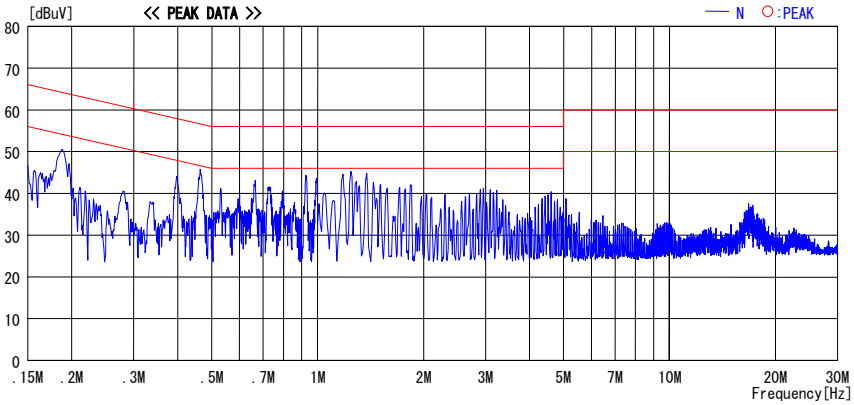
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5700MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



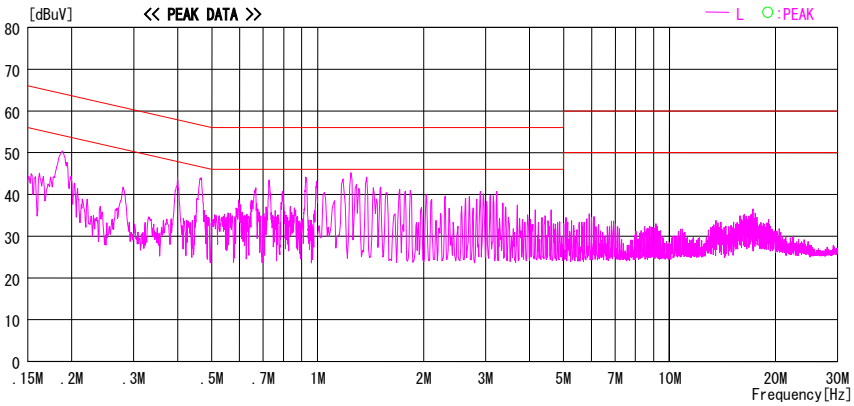


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, Additional-Band / High-Channel(5700MHz)

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

DATA OF CONDUCTED EMISSION TEST

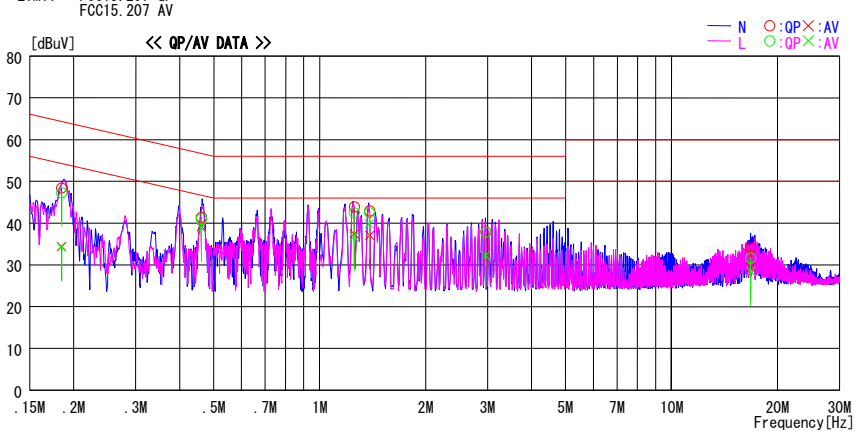
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5700MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase
	QP	AV	Factor	QP	AV	QP	AV	QP	AV	
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
0.18472	48.1	34.1	0.3	48.4	34.4	64.3	54.3	15.9	19.9	N
0.46128	41.1	38.9	0.3	41.4	39.2	56.7	46.7	15.3	7.5	N
1.25430	43.5	37.0	0.4	43.9	37.4	56.0	46.0	12.1	8.6	N
1.38780	42.5	36.7	0.4	42.9	37.1	56.0	46.0	13.1	8.9	N
2.96420	37.4	31.7	0.5	37.9	32.2	56.0	46.0	18.1	13.8	N
16.79080	32.4	27.8	1.7	34.1	29.5	60.0	50.0	25.9	20.5	N
0.18474	47.0	33.9	0.3	47.3	34.2	64.3	54.3	17.0	20.1	L
0.46129	40.7	38.5	0.3	41.0	38.8	56.7	46.7	15.7	7.9	L
1.25220	42.1	36.3	0.4	42.5	36.7	56.0	46.0	13.5	9.3	L
1.38346	42.1	39.4	0.4	42.5	39.8	56.0	46.0	13.5	6.2	L
2.96470	37.3	31.7	0.5	37.8	32.2	56.0	46.0	18.2	13.8	L
16.79420	30.0	26.7	1.7	31.7	28.4	60.0	50.0	28.3	21.6	L

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

Conducted Emission

Tx, High-Band / Low-Channel(5745MHz)

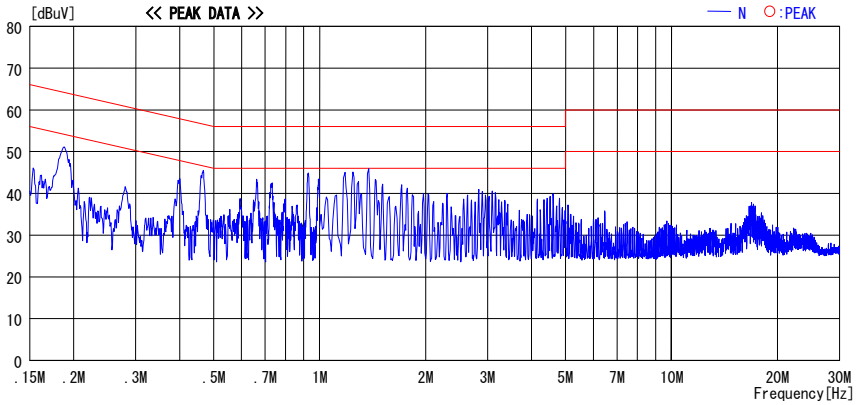
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company	: NEC INFRONTIA CORPORATION	Report No.	: 27KE0198-HO
Kind of EUT	: Mobile Terminal EX	Power	: AC 120V / 60Hz
Model No.	: S1613-01A	Temp./Humi.	: 26deg.C / 58%
Serial No.	: #10	Operator	: Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5745MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



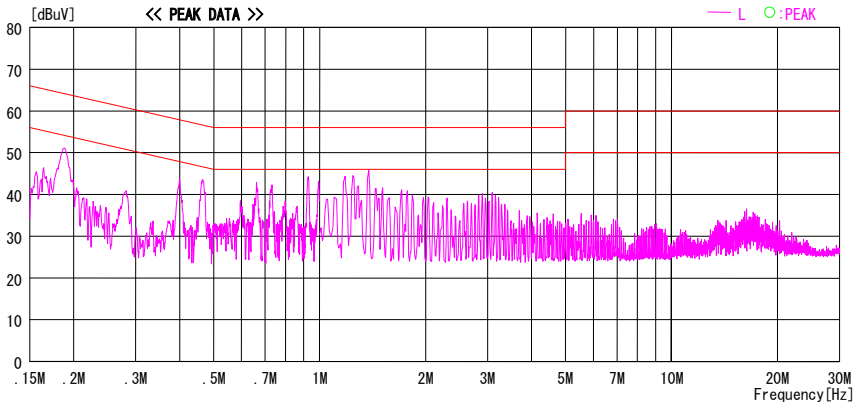


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, High-Band / Mid-Channel(5765MHz)

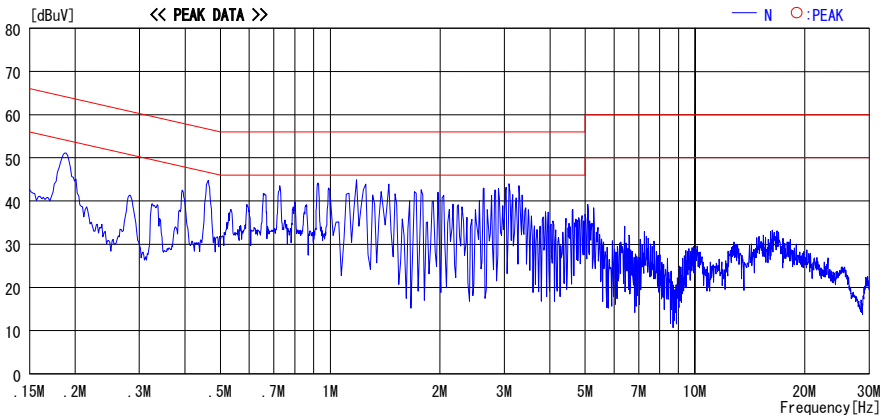
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/22

Company	: NEC INFRONTIA CORPORATION	Report No.	: 27KE0198-HO
Kind of EUT	: Mobile Terminal EX	Power	: AC 120V / 60Hz
Model No.	: S1613-01A	Temp./Humi.	: 24deg.C / 58%
Serial No.	: #10	Operator	: Takahiro Hatakeda

Mode / Remarks : WLAN Tx 11a_54Mbps_5765MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



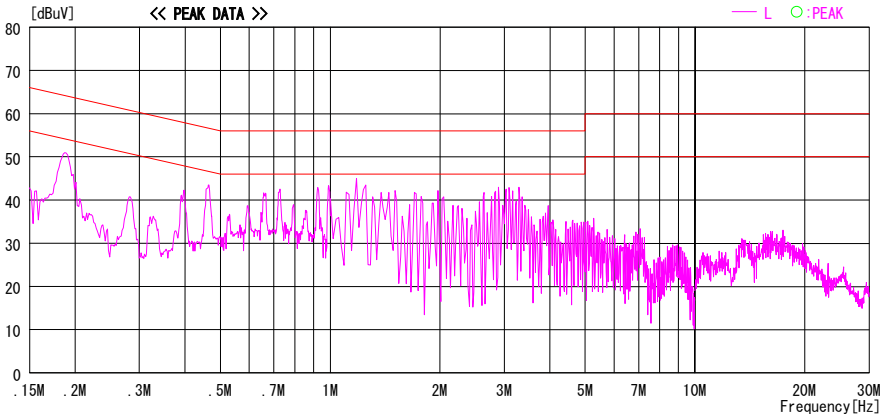


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, High-Band / Mid-Channel(5765MHz)

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

DATA OF CONDUCTED EMISSION TEST

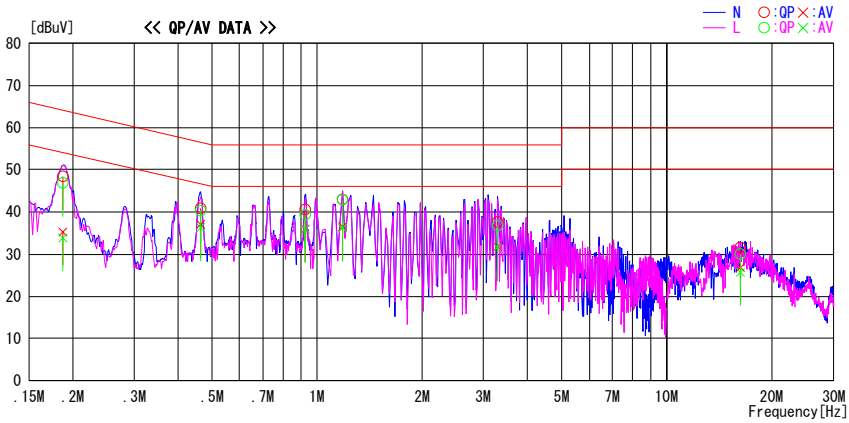
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/22

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg.C / 58%
Operator : Takahiro Hatakeda

Mode / Remarks : WLAN Tx 11a_54Mbps_5765MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase	Comment
	QP	AV	Factor	QP	AV	QP	AV	QP	AV		
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
0.18748	48.1	35.0	0.3	48.4	35.3	64.1	54.1	15.7	18.8	N	
0.18751	46.5	33.6	0.3	46.8	33.9	64.1	54.1	17.3	20.2	L	
0.46343	40.5	36.8	0.3	40.8	37.1	56.6	46.6	15.8	9.5	N	
0.46349	40.0	36.0	0.3	40.3	36.3	56.6	46.6	16.3	10.3	L	
0.92335	38.9	35.5	0.4	39.3	35.9	56.0	46.0	16.7	10.1	L	
0.92505	40.1	35.6	0.4	40.5	36.0	56.0	46.0	15.5	10.0	N	
1.18031	42.5	35.8	0.4	42.9	36.2	56.0	46.0	13.1	9.8	L	
1.18036	42.5	36.1	0.4	42.9	36.5	56.0	46.0	13.1	9.5	N	
3.29059	36.9	31.0	0.7	37.6	31.7	56.0	46.0	18.4	14.3	N	
3.29062	36.1	30.9	0.7	36.8	31.6	56.0	46.0	19.2	14.4	L	
16.29258	29.8	25.0	1.8	31.6	26.8	60.0	50.0	28.4	23.2	N	
16.29260	28.3	24.0	1.8	30.1	25.8	60.0	50.0	29.9	24.2	L	

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

Conducted Emission

Tx, High-Band / High-Channel(5805MHz)

DATA OF CONDUCTED EMISSION TEST

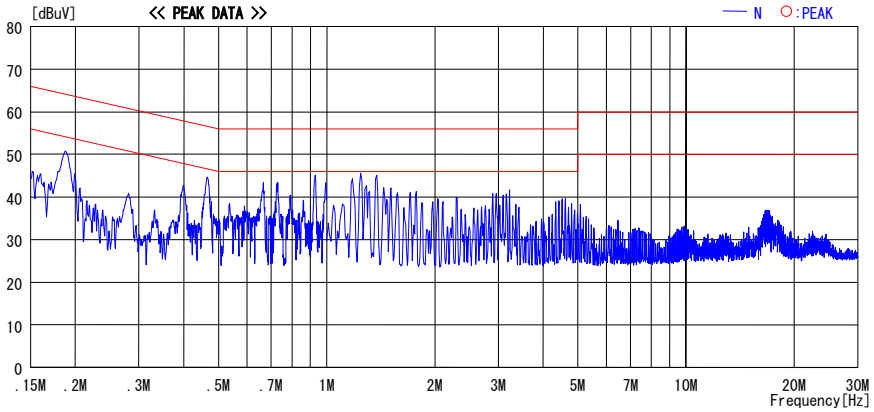
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5805MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



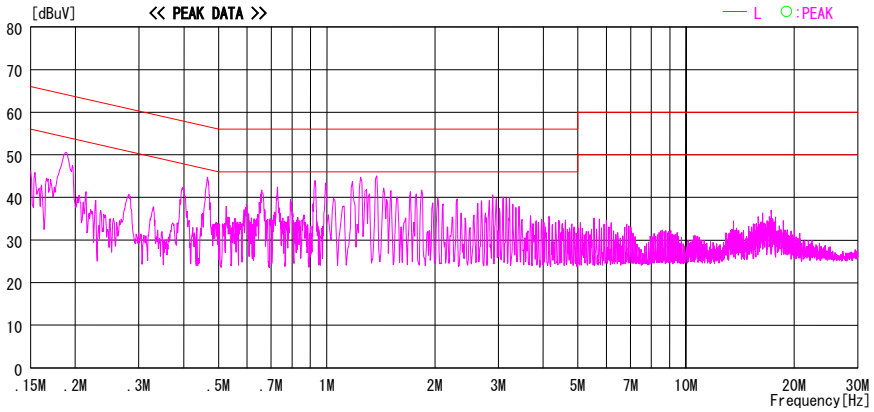


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, High-Band / High-Channel(5805MHz)

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

DATA OF CONDUCTED EMISSION TEST

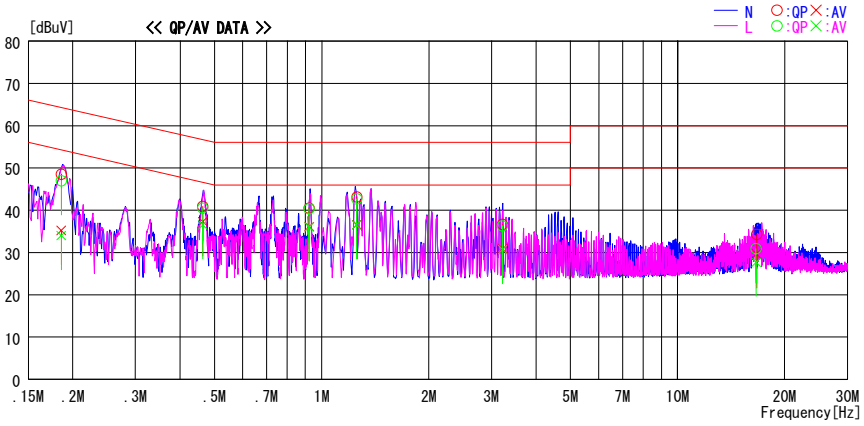
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/01

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 58%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a_54Mbps 5805MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase
	QP	AV	Factor	QP	AV	QP	AV	QP	AV	
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
0.18574	48.2	34.9	0.3	48.5	35.2	64.2	54.2	15.7	19.0	N
0.46354	40.6	37.0	0.3	40.9	37.3	56.6	46.6	15.7	9.3	N
0.92278	40.2	35.8	0.3	40.5	36.1	56.0	46.0	15.5	9.9	N
1.25430	42.8	36.2	0.4	43.2	36.6	56.0	46.0	12.8	9.4	N
3.22320	36.0	30.2	0.6	36.6	30.8	56.0	46.0	19.4	15.2	N
16.67002	32.6	28.0	1.7	34.3	29.7	60.0	50.0	25.7	20.3	N
0.18570	46.7	33.7	0.3	47.0	34.0	64.2	54.2	17.2	20.2	L
0.46316	40.2	36.2	0.3	40.5	36.5	56.6	46.6	16.1	10.1	L
0.92290	40.0	35.7	0.3	40.3	36.0	56.0	46.0	15.7	10.0	L
1.25170	42.3	36.1	0.4	42.7	36.5	56.0	46.0	13.3	9.5	L
3.22287	35.7	30.1	0.6	36.3	30.7	56.0	46.0	19.7	15.3	L
16.60779	29.2	26.0	1.7	30.9	27.7	60.0	50.0	29.1	22.3	L

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

Conducted Emission

Rx, Mid-Band / Low-Channel(5260MHz)

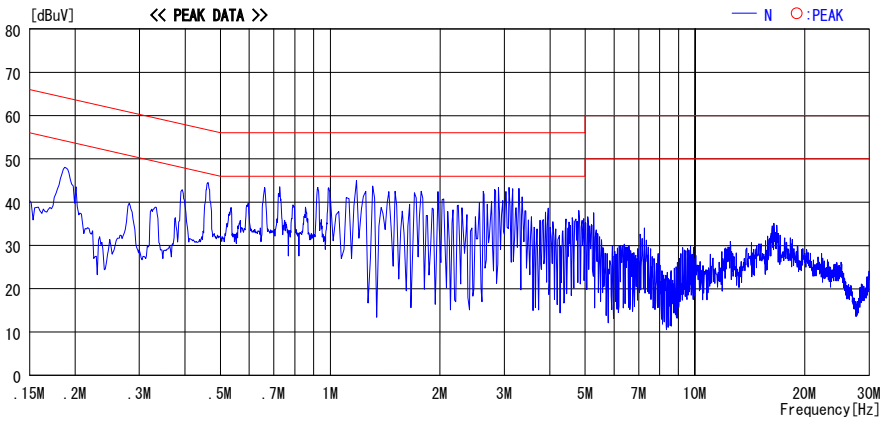
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/22

Company	: NEC INFRONTIA CORPORATION	Report No.	: 27KE0198-HO
Kind of EUT	: Mobile Terminal EX	Power	: AC 120V / 60Hz
Model No.	: S1613-01A	Temp./Humi.	: 24deg.C / 58%
Serial No.	: #10	Operator	: Takahiro Hatakeda

Mode / Remarks : WLAN Rx 11a_5260MHz

LIMIT : FCC15.107(a) QP
FCC15.107(a) AV



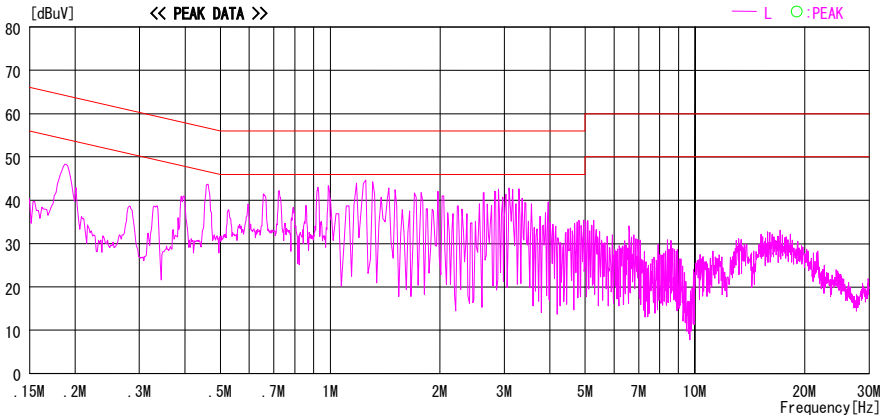


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Rx, Additional-Band / Mid-Channel(5600MHz)

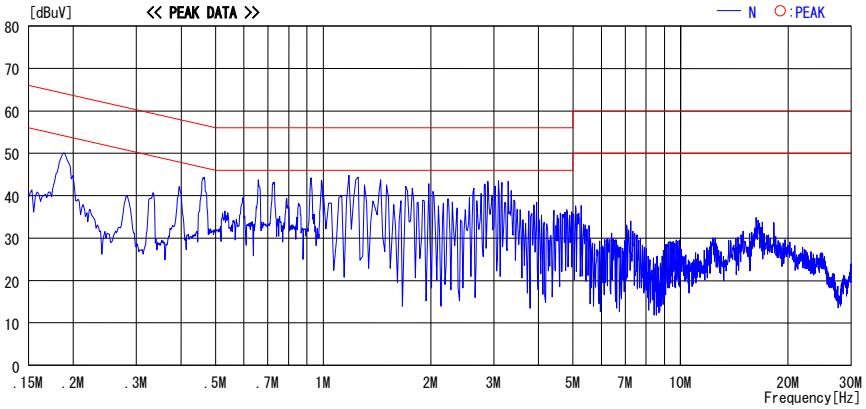
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/22

Company	: NEC INFRONTIA CORPORATION	Report No.	: 27KE0198-HO
Kind of EUT	: Mobile Terminal EX	Power	: AC 120V / 60Hz
Model No.	: S1613-01A	Temp./Humi.	: 24deg.C / 58%
Serial No.	: #10	Operator	: Takahiro Hatakeda

Mode / Remarks : WLAN Rx 11a_5600MHz

LIMIT : FCC15.107(a) QP
FCC15.107(a) AV



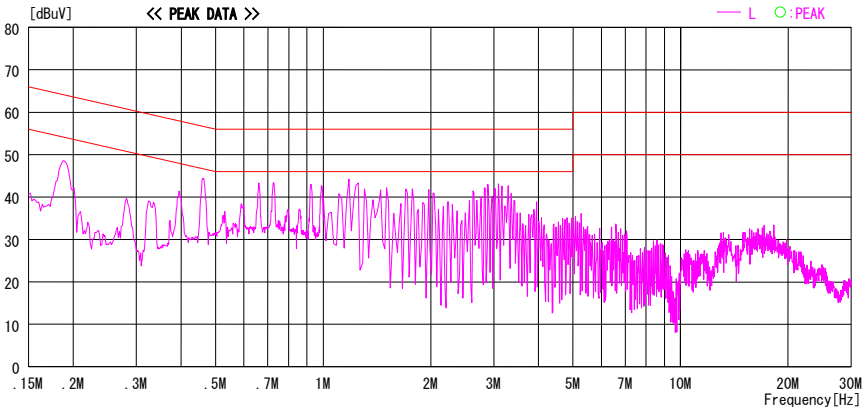


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Rx, High-Band / Mid-Channel(5765MHz)

DATA OF CONDUCTED EMISSION TEST

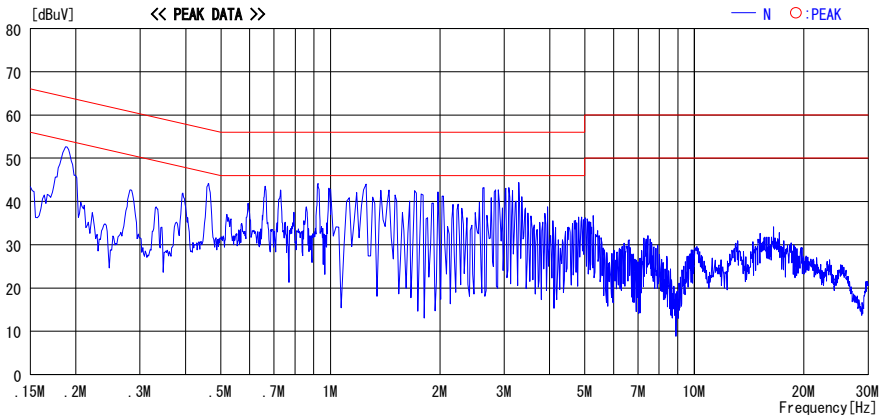
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/22

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg.C / 58%
Operator : Takahiro Hatakeda

Mode / Remarks : WLAN Rx 11a_ 5765MHz

LIMIT : FCC15.107(a) QP
FCC15.107(a) AV



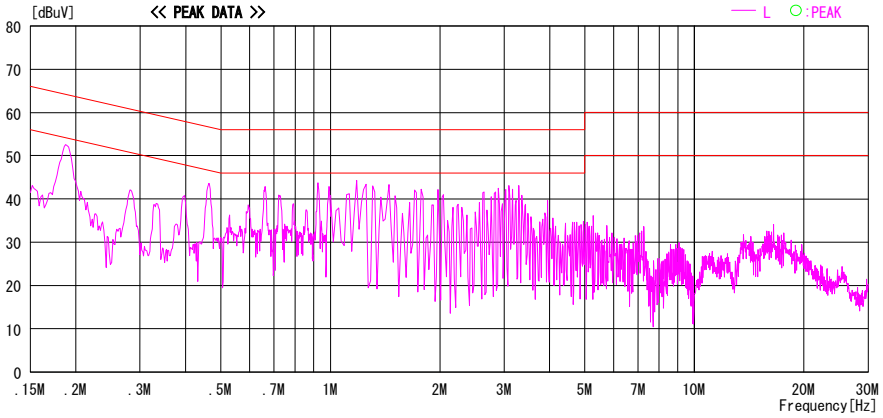


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

26dB Emission Bandwidth

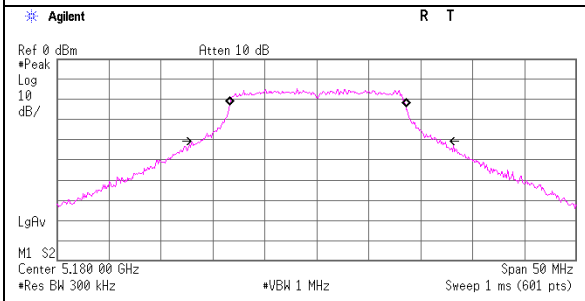
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded room

Company	NEC INFRONTIA CORPORATION				
Equipment	Mobile Terminal EX	Regulation	FCC Section 15.407(a)(1)(2)(3)		
Model	S1613-01A	Test Distance	-		
S/N	#10	Date	06/26/2007	06/28/2007	08/01/2007
Power	AC120V/60Hz	Temperature	26 deg.C.	23 deg.C.	25 deg.C.
Mode	WLAN Tx 11a	Humidity	58%,	63 %	60 %
		Engineer	Takahiro Hatakeda	Takahiro Hatakeda	Hidekazu Tanaka

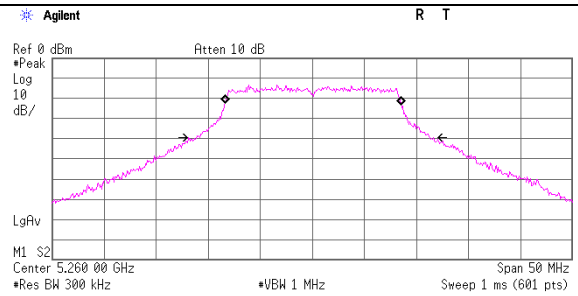
Ch	Freq. [MHz]	26dB Bandwidth [MHz]	Limit [MHz]
36	5180.0	23.173	-
52	5260.0	22.403	-
64	5320.0	22.926	-
100	5500.0	23.157	-
120	5600.0	23.630	-
140	5700.0	23.675	-
149	5745.0	23.552	-
153	5765.0	23.347	-
161	5805.0	22.892	-

26dB Emission Bandwidth
54Mbps ANT-A

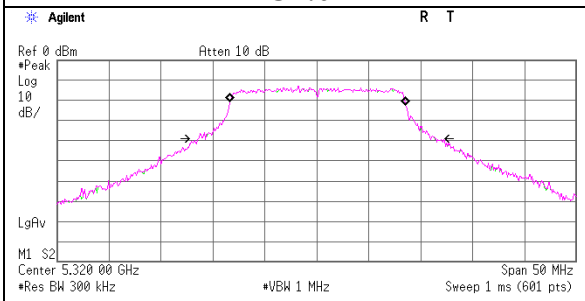
Ch:36



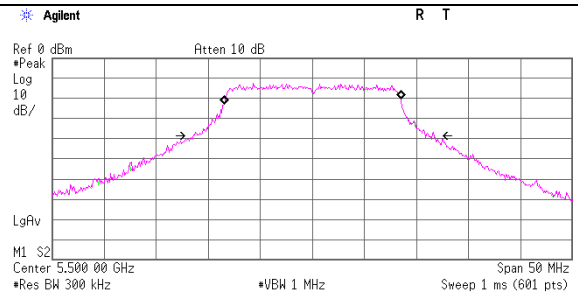
Ch:52



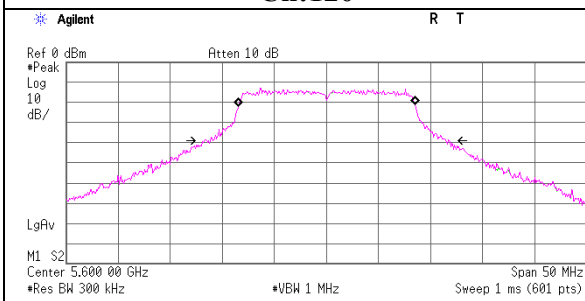
Ch:64



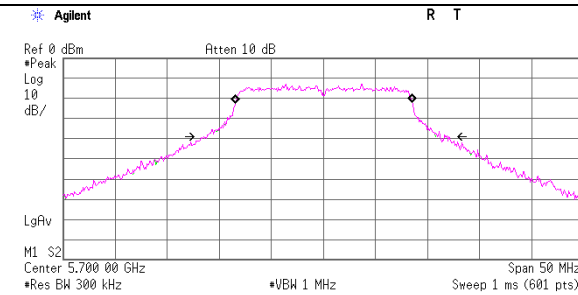
Ch:100



Ch:120

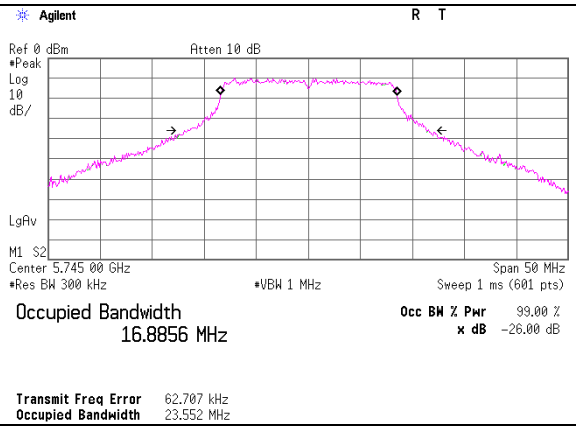


Ch:140

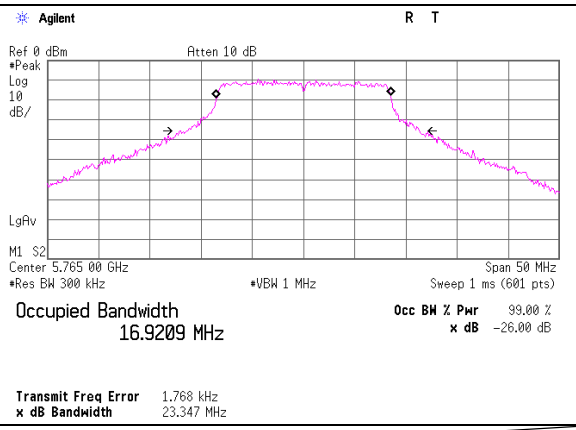


26dB Emission Bandwidth
54Mbps ANT-A

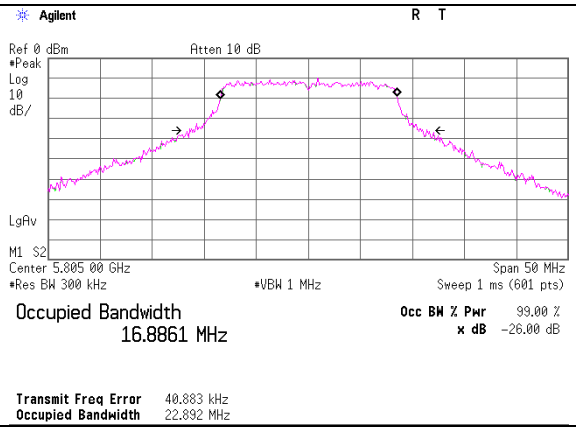
Ch:149



Ch:153



Ch:161



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Maximum Peak Output Power

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

Company	NEC INFRONTIA CORPORATION				
Equipment	Mobile Terminal EX	Regulation	FCC Section 15.407(a)(1)(2)(3)		
Model	S1613-01A	Test Distance	-		
S/N	#10	Date	06/25/2007	06/28/2007	08/01/2007
Power	AC120V/60Hz	Temperature	24 deg.C.	23 deg.C.	25 deg.C.
Mode	WLAN Tx 11a	Humidity	55%	63 %	60%
		Engineer	Takahiro Hatakeda	Takahiro Hatakeda	Hidekazu Tanaka

ANT-A (54Mbps)

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-7.15	3.0	10.1	5.91	17.0	11.1
52	5260.0	-6.05	3.0	10.1	7.02	17.0	10.0
64	5320.0	-4.59	3.0	10.1	8.49	17.0	8.5
100	5500.0	-5.16	3.1	10.1	7.97	24.0	16.0
120	5600.0	-5.30	3.1	10.1	7.88	24.0	16.1
140	5700.0	-5.42	3.2	10.1	7.81	24.0	16.2
149	5745.0	-2.08	3.2	10.1	11.18	30.0	18.8
153	5765.0	-2.54	3.2	10.1	10.72	30.0	19.3
161	5805.0	-2.68	3.2	10.1	10.60	30.0	19.4

ANT-B (54Mbps)

Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-7.40	3.0	10.1	5.66	17.0	11.3
52	5260.0	-6.08	3.0	10.1	6.99	17.0	10.0
64	5320.0	-5.13	3.0	10.1	7.95	17.0	9.1
100	5500.0	-5.34	3.1	10.1	7.79	24.0	16.2
120	5600.0	-5.51	3.1	10.1	7.67	24.0	16.3
140	5700.0	-5.75	3.2	10.1	7.48	24.0	16.5
149	5745.0	-2.11	3.2	10.1	11.15	30.0	18.9
153	5765.0	-2.74	3.2	10.1	10.52	30.0	19.5
161	5805.0	-2.86	3.2	10.1	10.42	30.0	19.6

Sample Calculation:
Result = Reading + Cable Loss + Attenuator
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*ANT-B data is a preliminary test data (reference data)

Reference data for SAR testing

Ant-A(9Mbps)

Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
36	5180.0	-5.45	1.35	10.12	6.02
52	5260.0	-4.03	1.35	10.14	7.46
64	5320.0	-3.41	1.35	10.15	8.09

Ant-A(24Mbps)

Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
100	5500.0	-3.42	1.36	10.18	8.12
120	5600.0	-3.37	1.38	10.20	8.21
140	5700.0	-3.63	1.39	10.22	7.98

Ant-A(6Mbps)

Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
149	5745.0	-0.54	1.40	10.22	11.08
153	5765.0	-0.60	1.40	10.23	11.03

Ant-B(9Mbps)

Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
36	5180.0	-5.29	1.35	10.12	6.18
52	5240.0	-4.08	1.35	10.14	7.41
64	5320.0	-3.50	1.35	10.15	8.00

Ant-B(24Mbps)

Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
100	5500.0	-3.45	1.36	10.18	8.09
120	5600.0	-3.46	1.38	10.20	8.12
140	5700.0	-3.54	1.39	10.22	8.07

Ant-B(6Mbps)

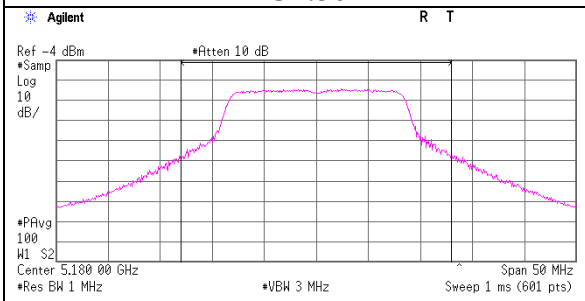
Ch	Freq. [MHz]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]
149	5745.0	-0.51	1.40	10.22	11.11
153	5765.0	-0.61	1.40	10.23	11.02

Sample Calculation:
Result = Reading + Cable Loss + Attenuator

*Power meter was used for the measurement.

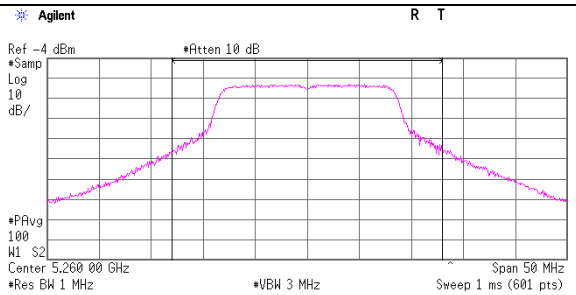
Maximum Peak Output Power
54Mbps ANT-A

Ch:36



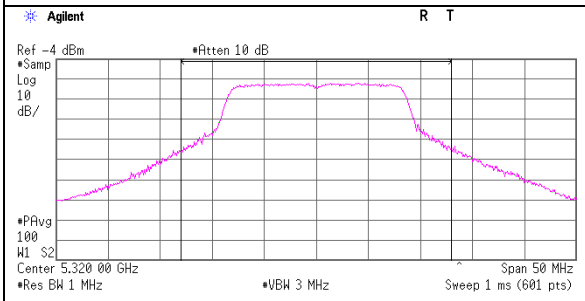
Channel Power	Power Spectral Density
-7.15 dBm /26.0000 MHz	-81.30 dBm/Hz

Ch:52



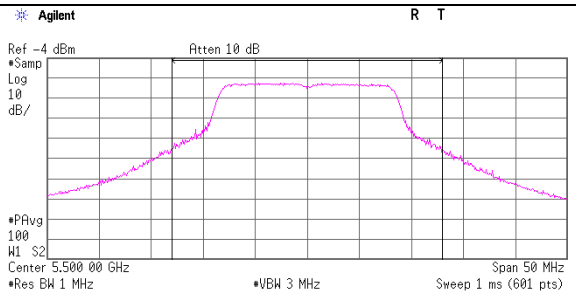
Channel Power	Power Spectral Density
-6.05 dBm /26.0000 MHz	-80.20 dBm/Hz

Ch:64



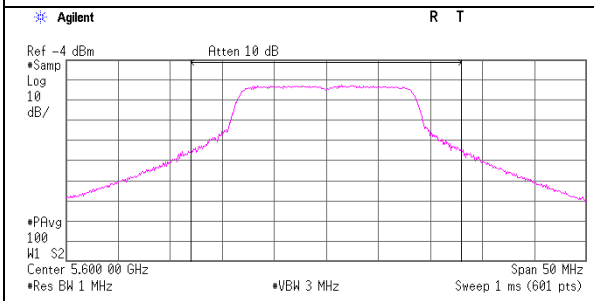
Channel Power	Power Spectral Density
-4.59 dBm /26.0000 MHz	-78.74 dBm/Hz

Ch:100



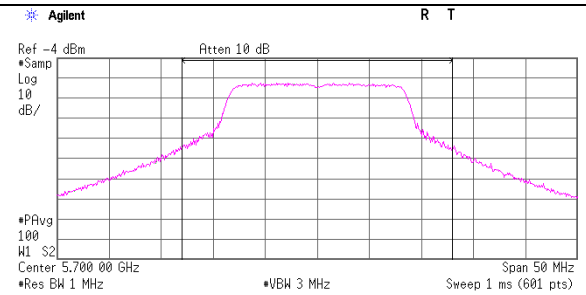
Channel Power	Power Spectral Density
-5.16 dBm /26.0000 MHz	-79.31 dBm/Hz

Ch:120



Channel Power	Power Spectral Density
-5.30 dBm /26.0000 MHz	-79.45 dBm/Hz

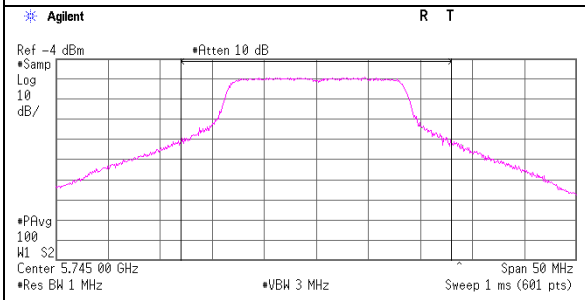
Ch:140



Channel Power	Power Spectral Density
-5.42 dBm /26.0000 MHz	-79.57 dBm/Hz

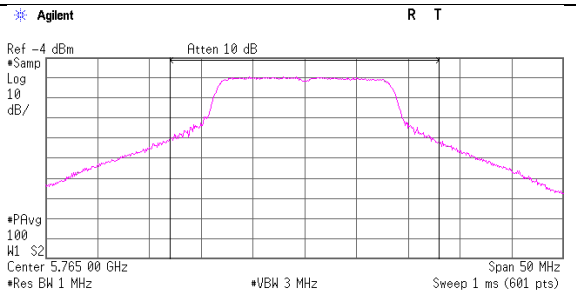
Maximum Peak Output Power
54Mbps ANT-A

Ch:149



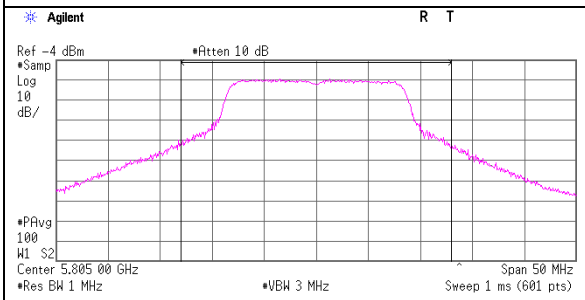
Channel Power	Power Spectral Density
-2.08 dBm /26.0000 MHz	-76.23 dBm/Hz

Ch:153



Channel Power	Power Spectral Density
-2.54 dBm /26.0000 MHz	-76.69 dBm/Hz

Ch:161



Channel Power	Power Spectral Density
-2.68 dBm /26.0000 MHz	-76.83 dBm/Hz

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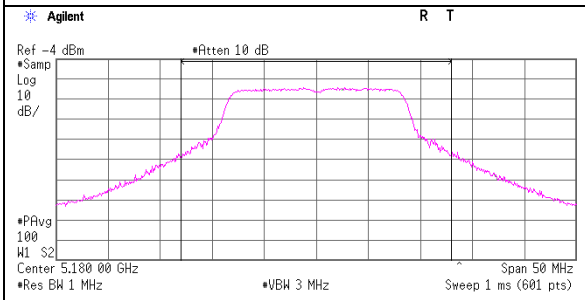
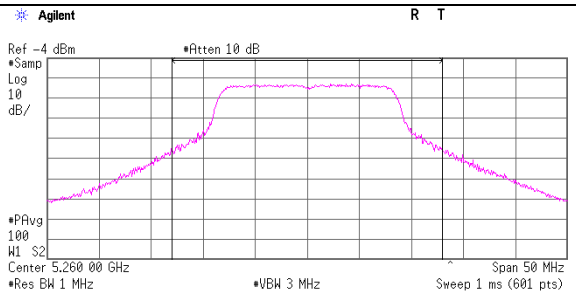
Maximum Peak Output Power
54Mbps ANT-B

Ch:36



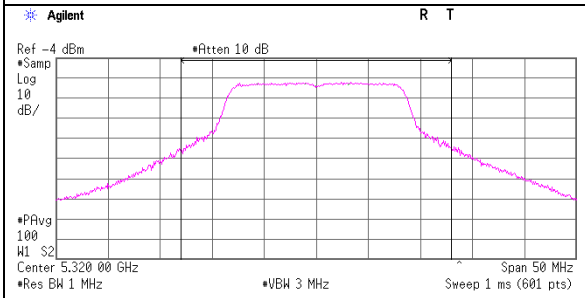
Channel Power	Power Spectral Density
-7.40 dBm /26.0000 MHz	-81.55 dBm/Hz

Ch:52



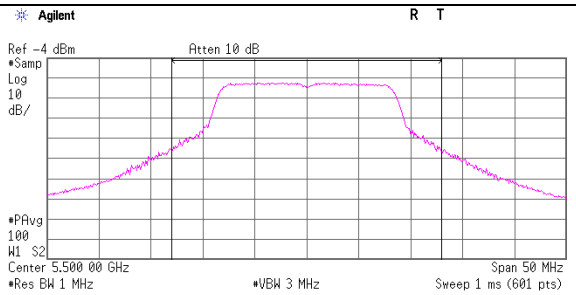
Channel Power	Power Spectral Density
-6.08 dBm /26.0000 MHz	-80.23 dBm/Hz

Ch:64



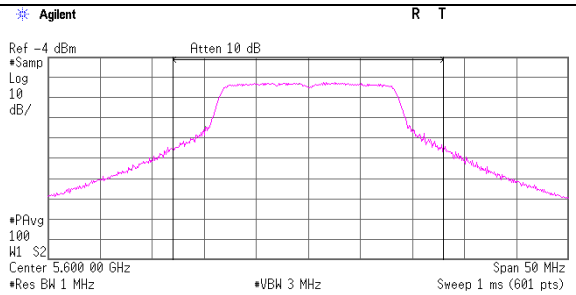
Channel Power	Power Spectral Density
-5.13 dBm /26.0000 MHz	-79.28 dBm/Hz

Ch:100



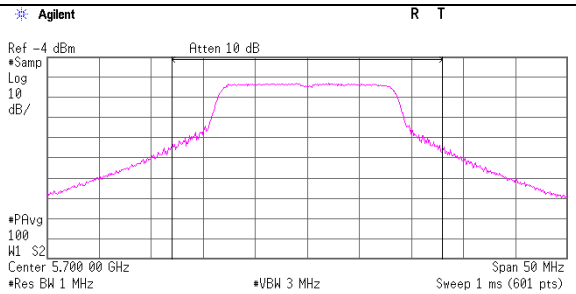
Channel Power	Power Spectral Density
-5.34 dBm /26.0000 MHz	-79.49 dBm/Hz

Ch:120



Channel Power	Power Spectral Density
-5.51 dBm /26.0000 MHz	-79.66 dBm/Hz

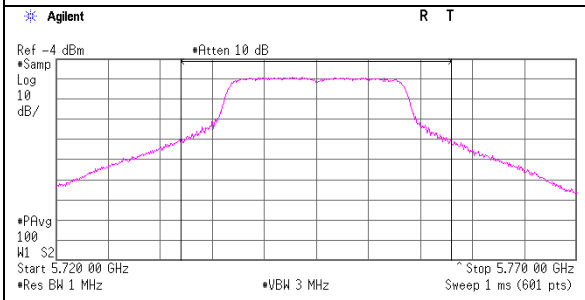
Ch:140



Channel Power	Power Spectral Density
-5.75 dBm /26.0000 MHz	-79.90 dBm/Hz

Maximum Peak Output Power
54Mbps ANT-B

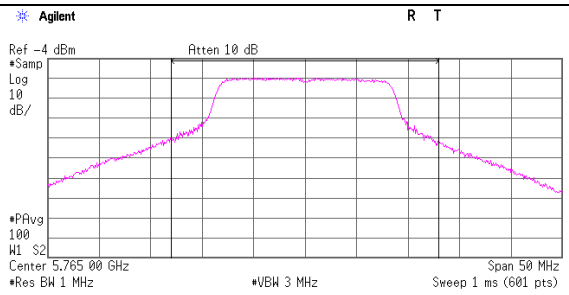
Ch:149



Channel Power
-2.11 dBm /26.0000 MHz

Power Spectral Density
-76.26 dBm/Hz

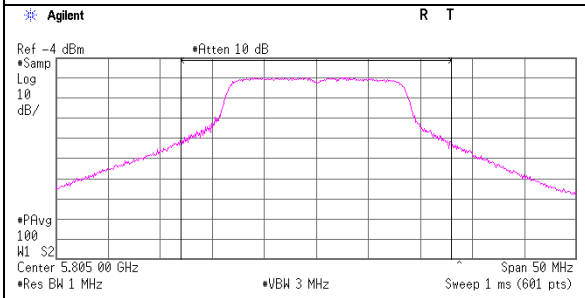
Ch:153



Channel Power
-2.74 dBm /26.0000 MHz

Power Spectral Density
-76.89 dBm/Hz

Ch:161



Channel Power
-2.86 dBm /26.0000 MHz

Power Spectral Density
-77.01 dBm/Hz

Radiated Spurious Emission (below 1GHz)

Low-Band / Low-Channel(5180MHz)

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

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DATA OF RADIATED EMISSION TEST

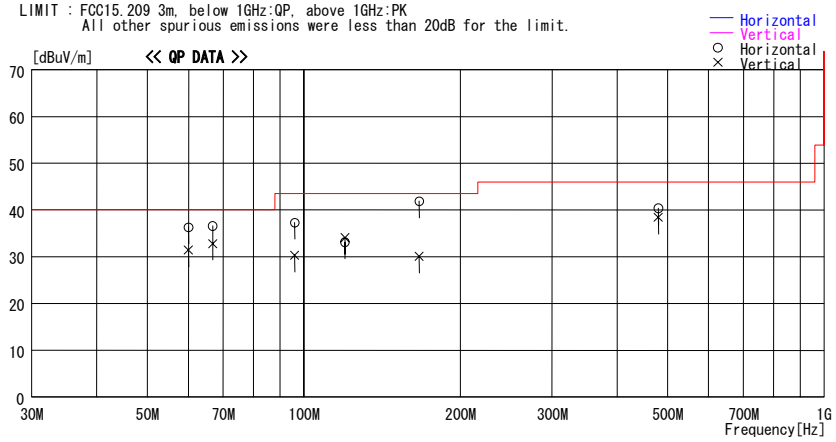
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Lband Lch 5180MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
60.004	49.7	QP	8.3	-21.7	36.3	127	400	Hori.	40.0	3.8	
60.004	44.8	QP	8.3	-21.7	31.4	38	268	Vert.	40.0	8.6	
66.810	50.9	QP	7.3	-21.6	36.6	293	400	Hori.	40.0	3.4	
66.810	47.1	QP	7.3	-21.6	32.8	17	278	Vert.	40.0	7.2	
96.008	49.5	QP	9.1	-21.3	37.3	79	370	Hori.	43.5	6.2	
96.008	42.5	QP	9.1	-21.3	30.3	10	248	Vert.	43.5	13.2	
120.006	41.2	QP	12.9	-21.0	33.1	357	309	Hori.	43.5	10.4	
120.006	42.1	QP	12.9	-21.0	34.0	0	100	Vert.	43.5	9.5	
166.494	34.9	QP	15.6	-20.4	30.1	77	100	Vert.	43.5	13.4	
166.494	46.7	QP	15.6	-20.4	41.9	125	176	Hori.	43.5	1.6	
479.999	39.5	QP	18.4	-19.5	38.4	34	154	Vert.	46.0	7.6	
479.999	41.5	QP	18.4	-19.5	40.4	18	181	Hori.	46.0	5.6	

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)

Radiated Spurious Emission (below 1GHz)

Mid-Band / Low-Channel(5260MHz)

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

DATA OF RADIATED EMISSION TEST

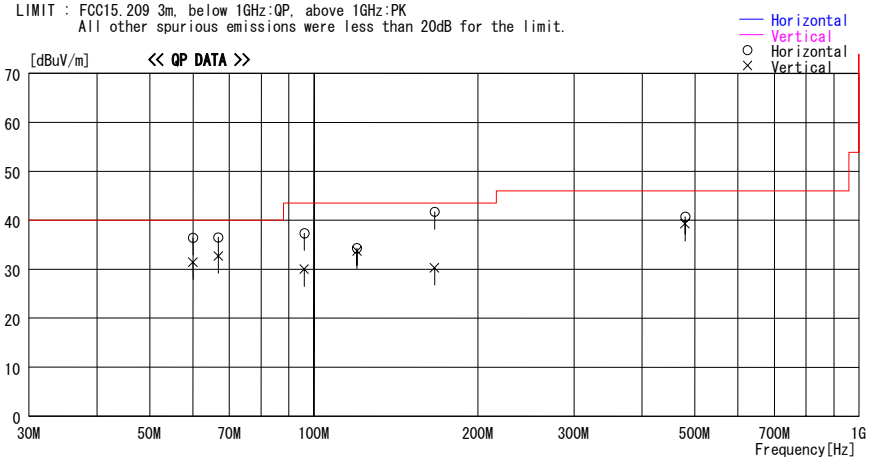
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Mband Lch 5260MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
60.002	49.8	QP	8.3	-21.7	36.4	115	381	Hori.	40.0	3.6	
60.002	44.9	QP	8.3	-21.7	31.5	33	270	Vert.	40.0	8.5	
66.813	50.8	QP	7.3	-21.6	36.5	303	400	Hori.	40.0	3.5	
66.813	47.0	QP	7.3	-21.6	32.7	15	255	Vert.	40.0	7.3	
96.010	49.5	QP	9.1	-21.3	37.3	76	322	Hori.	43.5	6.2	
96.010	42.2	QP	9.1	-21.3	30.0	0	225	Vert.	43.5	13.5	
120.008	42.4	QP	12.9	-21.0	34.3	32	173	Hori.	43.5	9.2	
120.008	41.8	QP	12.9	-21.0	33.7	0	100	Vert.	43.5	9.8	
166.494	35.1	QP	15.6	-20.4	30.3	240	100	Vert.	43.5	13.2	
166.494	46.5	QP	15.6	-20.4	41.7	145	194	Hori.	43.5	1.8	
480.001	40.4	QP	18.4	-19.5	39.3	27	150	Vert.	46.0	6.7	
480.001	41.8	QP	18.4	-19.5	40.7	10	190	Hori.	46.0	5.3	

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)

Radiated Spurious Emission (below 1GHz)

Mid-Band / High-Channel(5320MHz)

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

DATA OF RADIATED EMISSION TEST

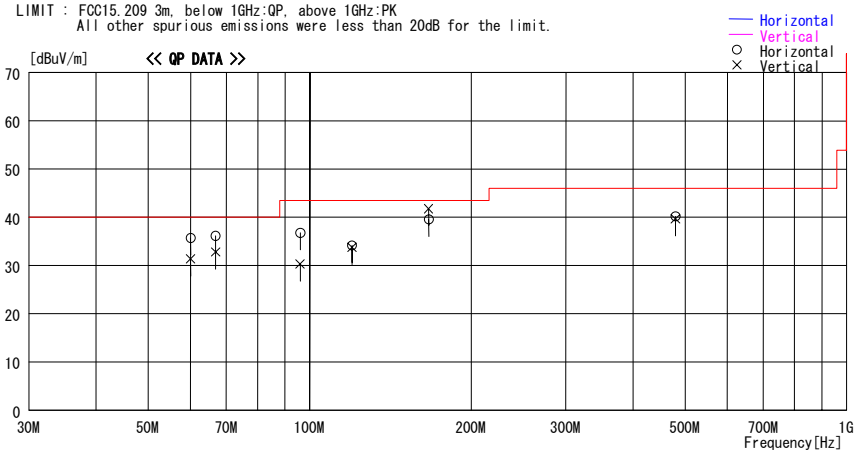
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Mband Hch 5320MHz, 54Mbps(Worst), Hor;Y-axis/Ver;Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
60.003	49.1	QP	8.3	-21.7	35.7	112	400	Hori.	40.0	4.3	
60.003	44.8	QP	8.3	-21.7	31.4	33	269	Vert.	40.0	8.6	
66.811	50.4	QP	7.3	-21.6	36.1	292	366	Hori.	40.0	3.9	
66.811	47.1	QP	7.3	-21.6	32.8	32	257	Vert.	40.0	7.2	
96.007	49.0	QP	9.1	-21.3	36.8	271	324	Hori.	43.5	6.7	
96.007	42.5	QP	9.1	-21.3	30.3	5	260	Vert.	43.5	13.2	
120.000	42.3	QP	12.9	-21.0	34.2	292	170	Hori.	43.5	9.3	
120.000	41.9	QP	12.9	-21.0	33.8	0	100	Vert.	43.5	9.7	
166.502	44.3	QP	15.6	-20.4	39.5	0	168	Hori.	43.5	4.0	
166.502	46.6	QP	15.6	-20.4	41.8	143	180	Vert.	43.5	1.7	
480.000	41.3	QP	18.4	-19.5	40.2	15	172	Hori.	46.0	5.8	
480.000	40.8	QP	18.4	-19.5	39.7	26	153	Vert.	46.0	6.3	

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)

Radiated Spurious Emission (below 1GHz)

Additional-Band / Low-Channel(5500MHz)

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

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DATA OF RADIATED EMISSION TEST

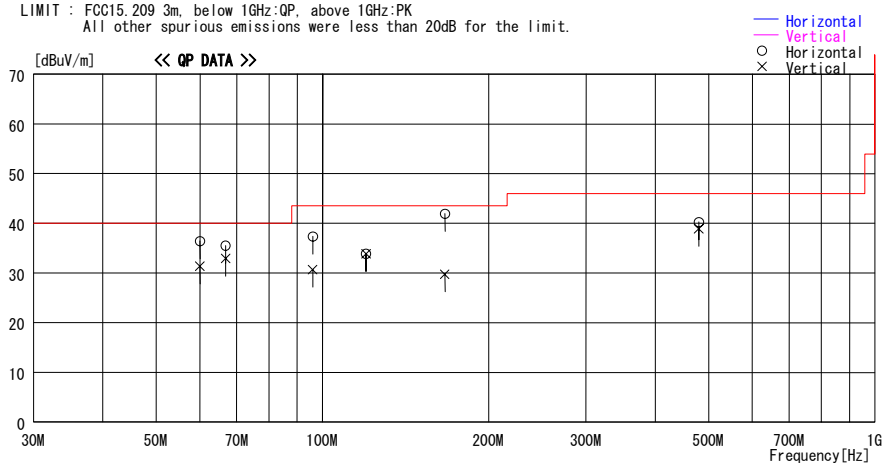
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, ADDband Lch 5500MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
60.002	49.8	QP	8.3	-21.7	36.4	107	400	Hori.	40.0	3.6	
60.002	44.8	QP	8.3	-21.7	31.4	44	261	Vert.	40.0	8.7	
66.808	49.8	QP	7.3	-21.6	35.5	296	202	Hori.	40.0	4.5	
66.808	47.2	QP	7.3	-21.6	32.9	10	264	Vert.	40.0	7.1	
96.008	49.5	QP	9.1	-21.3	37.3	73	307	Hori.	43.5	6.2	
96.008	42.9	QP	9.1	-21.3	30.7	0	277	Vert.	43.5	12.8	
120.005	42.0	QP	12.9	-21.0	33.9	288	146	Hori.	43.5	9.6	
120.005	41.9	QP	12.9	-21.0	33.8	0	100	Vert.	43.5	9.7	
166.508	34.6	QP	15.6	-20.4	29.8	236	100	Vert.	43.5	13.7	
166.508	46.8	QP	15.6	-20.4	42.0	137	181	Hori.	43.5	1.5	
480.000	40.0	QP	18.4	-19.5	38.9	27	144	Vert.	46.0	7.1	
480.000	41.3	QP	18.4	-19.5	40.2	5	174	Hori.	46.0	5.8	

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

Radiated Spurious Emission (below 1GHz)

Additional-Band / Mid-Channel(5600MHz)

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

DATA OF RADIATED EMISSION TEST

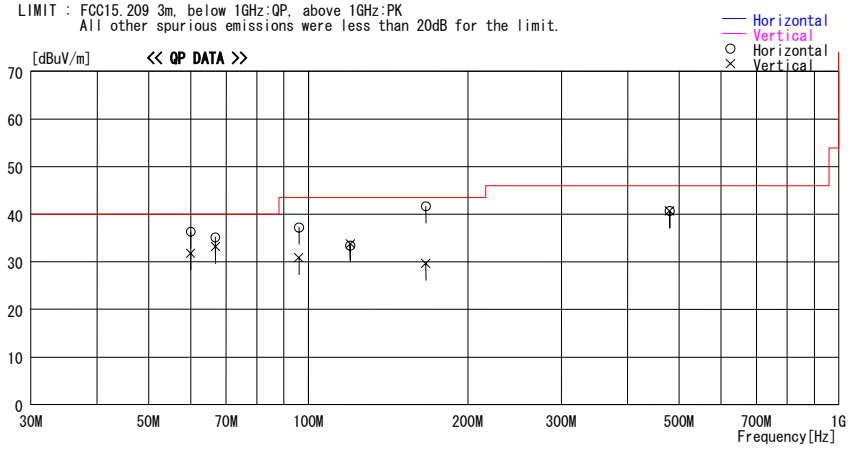
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, ADDband Mch 5600MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
60.007	49.8	QP	8.3	-21.7	36.4	112	400	Hori.	40.0	3.6	
60.007	45.2	QP	8.3	-21.7	31.8	37	279	Vert.	40.0	8.2	
66.810	49.5	QP	7.3	-21.6	35.2	117	301	Hori.	40.0	4.8	
66.810	47.5	QP	7.3	-21.6	33.2	40	269	Vert.	40.0	6.8	
96.004	49.4	QP	9.1	-21.3	37.2	76	294	Hori.	43.5	6.3	
96.040	43.1	QP	9.1	-21.3	30.9	5	280	Vert.	43.5	12.6	
119.998	41.5	QP	12.9	-21.0	33.4	363	312	Hori.	43.5	10.1	
119.998	41.9	QP	12.9	-21.0	33.8	0	100	Vert.	43.5	9.7	
166.484	46.5	QP	15.6	-20.4	41.7	122	179	Hori.	43.5	1.8	
166.484	34.5	QP	15.6	-20.4	29.7	238	100	Vert.	43.5	13.8	
480.004	41.7	QP	18.4	-19.5	40.6	10	270	Hori.	46.0	5.4	
480.004	41.8	QP	18.4	-19.5	40.7	22	148	Vert.	46.0	5.3	

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)

Radiated Spurious Emission (below 1GHz)

Additional-Band / High-Channel(5700MHz)

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

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DATA OF RADIATED EMISSION TEST

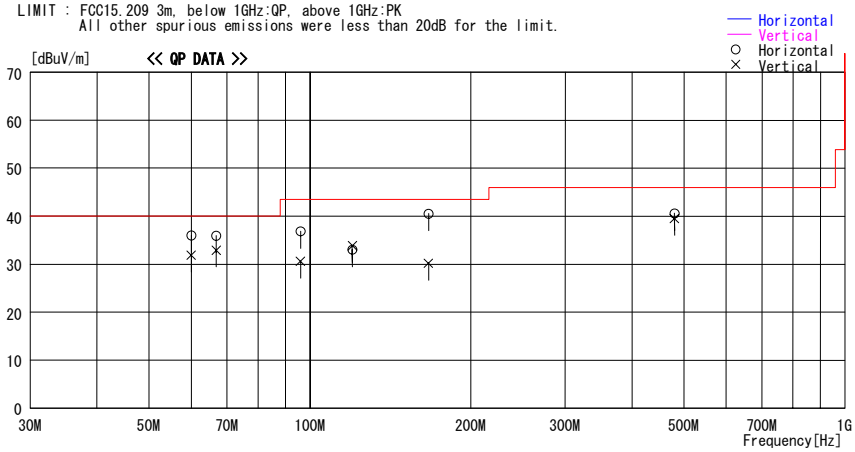
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, ADDband Hch 5700MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
59.997	49.4	QP	8.3	-21.7	36.0	98	367	Hori.	40.0	4.0	
59.997	45.3	QP	8.3	-21.7	31.9	80	284	Vert.	40.0	8.1	
66.815	50.2	QP	7.3	-21.6	35.9	301	342	Hori.	40.0	4.1	
66.815	47.2	QP	7.3	-21.6	32.9	15	271	Vert.	40.0	7.1	
96.008	49.0	QP	9.1	-21.3	36.8	66	303	Hori.	43.5	6.7	
96.008	42.8	QP	9.1	-21.3	30.6	0	277	Vert.	43.5	12.9	
120.008	41.2	QP	12.9	-21.0	33.1	0	318	Hori.	43.5	10.4	
120.008	42.0	QP	12.9	-21.0	33.9	0	100	Vert.	43.5	9.6	
166.492	35.0	QP	15.6	-20.4	30.2	230	100	Vert.	43.5	13.3	
166.492	45.3	QP	15.6	-20.4	40.5	113	184	Hori.	43.5	3.0	
480.002	40.6	QP	18.4	-19.5	39.5	29	150	Vert.	46.0	6.5	
480.002	41.7	QP	18.4	-19.5	40.6	10	192	Hori.	46.0	5.4	

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)

Radiated Spurious Emission (below 1GHz)

High-Band / Low-Channel(5745MHz)

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

DATA OF RADIATED EMISSION TEST

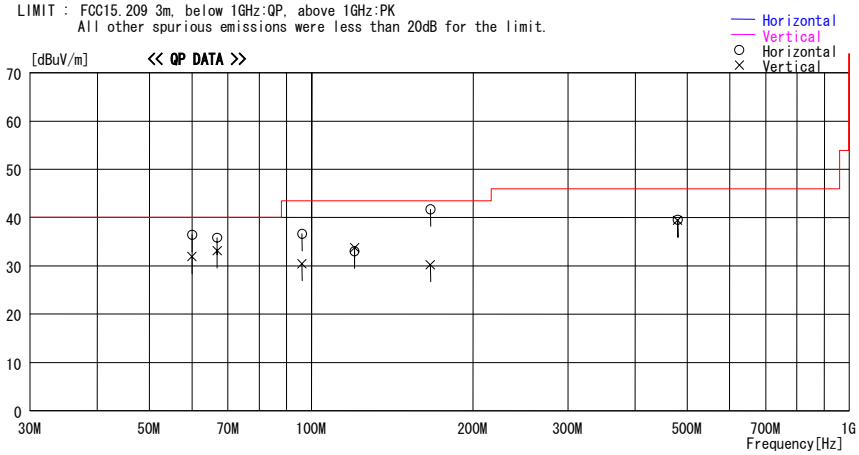
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Hband Lch 5745MHz, 54Mbps(Worst), Hor;Y-axis/Ver;Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
60.003	49.8	QP	8.3	-21.7	36.4	113	372	Hori.	40.0	3.6	
60.003	45.3	QP	8.3	-21.7	31.9	38	316	Vert.	40.0	8.1	
66.816	50.1	QP	7.3	-21.6	35.8	110	361	Hori.	40.0	4.2	
66.816	47.4	QP	7.3	-21.6	33.1	20	292	Vert.	40.0	6.9	
96.013	48.8	QP	9.1	-21.3	36.6	74	347	Hori.	43.5	6.9	
96.013	42.7	QP	9.1	-21.3	30.5	0	295	Vert.	43.5	13.0	
120.361	41.1	QP	12.9	-21.0	33.0	0	312	Hori.	43.5	10.5	
120.361	41.9	QP	12.9	-21.0	33.8	0	100	Vert.	43.5	9.7	
166.493	35.0	QP	15.6	-20.4	30.2	239	100	Vert.	43.5	13.3	
166.493	46.5	QP	15.6	-20.4	41.7	125	177	Hori.	43.5	1.8	
480.009	40.5	QP	18.4	-19.5	39.4	26	149	Vert.	46.0	6.6	
480.009	40.6	QP	18.4	-19.5	39.5	35	182	Hori.	46.0	6.5	

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

Radiated Spurious Emission (below 1GHz)

High-Band / Mid-Channel(5765MHz)

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

DATA OF RADIATED EMISSION TEST

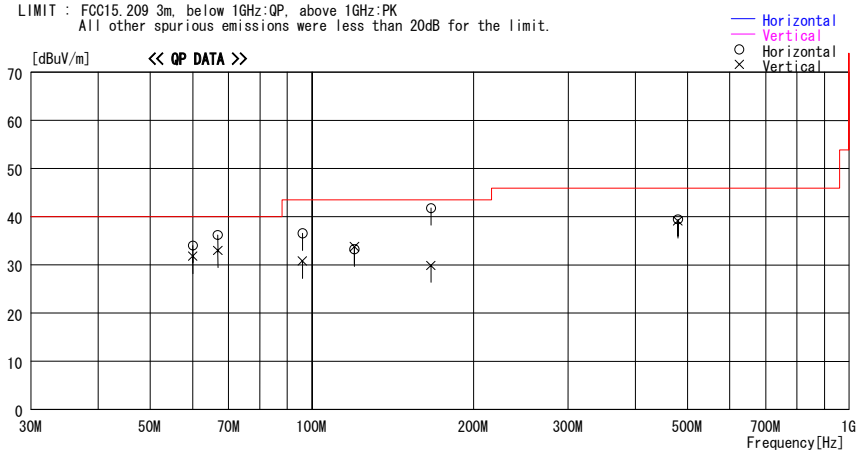
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Hband Mch 5765MHz, 54Mbps(Worst), Hor;Y-axis/Ver;Y-axis(Worst) ANT-A

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
60.004	47.4	QP	8.3	-21.7	34.0	0	400	Hori.	40.0	6.0	
60.004	45.2	QP	8.3	-21.7	31.8	45	282	Vert.	40.0	8.2	
66.804	50.5	QP	7.3	-21.6	36.2	291	381	Hori.	40.0	3.8	
66.804	47.3	QP	7.3	-21.6	33.0	20	265	Vert.	40.0	7.0	
96.007	48.8	QP	9.1	-21.3	36.6	283	290	Hori.	43.5	7.0	
96.007	43.0	QP	9.1	-21.3	30.8	5	293	Vert.	43.5	12.7	
120.003	41.4	QP	12.9	-21.0	33.3	0	285	Hori.	43.5	10.3	
120.003	41.9	QP	12.9	-21.0	33.8	0	100	Vert.	43.5	9.7	
166.489	46.6	QP	15.6	-20.4	41.8	133	174	Hori.	43.5	1.7	
166.489	34.7	QP	15.6	-20.4	29.9	239	100	Vert.	43.5	13.6	
480.004	40.6	QP	18.4	-19.5	39.5	50	181	Hori.	46.0	6.5	
480.004	40.2	QP	18.4	-19.5	39.1	27	150	Vert.	46.0	6.9	

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)

Radiated Spurious Emission (below 1GHz)

High-Band / High-Channel(5805MHz)

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

DATA OF RADIATED EMISSION TEST

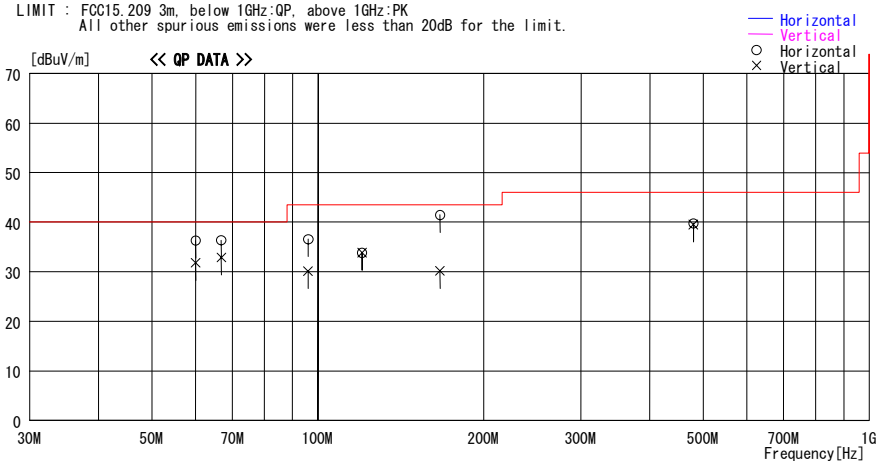
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/06/29

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile Terminal EX
Model No. : S1613-01A
Serial No. : #9

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 61%
Operator : Motoya Imura

Mode / Remarks : WLAN Tx 11a, Hband Hch 5805MHz, 54Mbps(Worst), Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

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



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
60.024	49.7	QP	8.3	-21.7	36.3	102	400	Hori.	40.0	3.7	
60.002	45.2	QP	8.3	-21.7	31.8	39	314	Vert.	40.0	8.2	
66.800	50.7	QP	7.3	-21.6	36.4	200	400	Hori.	40.0	3.6	
66.800	47.2	QP	7.3	-21.6	32.9	17	276	Vert.	40.0	7.1	
96.014	48.8	QP	9.1	-21.3	36.6	89	291	Hori.	43.5	6.9	
96.014	42.3	QP	9.1	-21.3	30.1	5	278	Vert.	43.5	13.4	
120.361	41.9	QP	12.9	-21.0	33.8	16	277	Hori.	43.5	9.7	
120.361	42.0	QP	12.9	-21.0	33.9	0	100	Vert.	43.5	9.7	
166.489	46.2	QP	15.6	-20.4	41.4	121	178	Hori.	43.5	2.1	
166.489	35.0	QP	15.6	-20.4	30.2	238	100	Vert.	43.5	13.3	
480.003	40.8	QP	18.4	-19.5	39.7	44	187	Hori.	46.0	6.3	
480.003	40.6	QP	18.4	-19.5	39.5	28	153	Vert.	46.0	6.5	

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

Radiated Spurious Emission (below 1GHz)

Mid-Band / Low-Channel(5260MHz)

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

DATA OF RADIATED EMISSION TEST

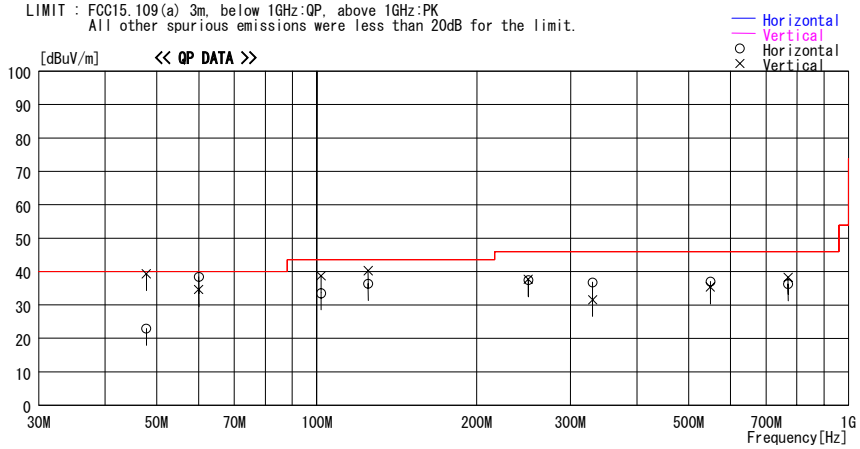
UL Japan Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/30

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 53%
Operator : Takahiro Hatakeda

Mode / Remarks : WLAN Rx 11a, 5260MHz, Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
47.801	36.4	QP	11.2	-24.7	22.9	304	345	Hori.	40.0	17.1	
47.801	52.9	QP	11.2	-24.7	39.4	245	100	Vert.	40.0	0.6	
60.000	54.2	QP	8.6	-24.4	38.4	128	320	Hori.	40.0	1.6	
60.000	50.4	QP	8.6	-24.4	34.6	225	100	Vert.	40.0	5.4	
101.877	46.8	QP	10.7	-24.0	33.5	75	314	Hori.	43.5	10.0	
101.877	52.0	QP	10.7	-24.0	38.7	74	100	Vert.	43.5	4.8	
124.996	46.5	QP	13.5	-23.6	36.4	351	142	Hori.	43.5	7.1	
124.996	50.4	QP	13.5	-23.6	40.3	322	100	Vert.	43.5	3.2	
249.992	42.8	QP	17.2	-22.5	37.5	58	131	Hori.	46.0	8.5	
249.992	43.0	QP	17.2	-22.5	37.7	52	100	Vert.	46.0	8.3	
329.998	43.6	QP	15.1	-21.9	36.8	251	100	Hori.	46.0	9.2	
329.998	38.4	QP	15.1	-21.9	31.6	331	100	Vert.	46.0	14.4	
549.996	38.8	QP	18.8	-20.6	37.0	311	105	Hori.	46.0	9.0	
549.996	37.2	QP	18.8	-20.6	35.4	65	100	Vert.	46.0	10.6	
769.995	34.4	QP	21.1	-19.2	36.3	359	100	Hori.	46.0	9.7	
769.995	36.3	QP	21.1	-19.2	38.2	84	100	Vert.	46.0	7.8	

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

Radiated Spurious Emission (below 1GHz)

Additional-Band / Mid-Channel(5600MHz)

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

DATA OF RADIATED EMISSION TEST

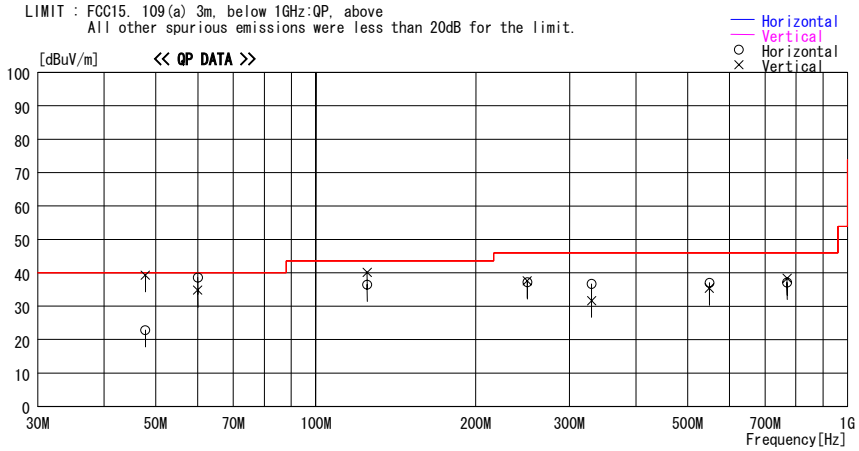
UL Japan Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/30

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg.C / 53%
Operator : Takahiro Hatakeda

Mode / Remarks : WLAN Rx 11a, 5600MHz, Hor:Y-axis/Ver:Y-axis(Worst) ANT-A

LIMIT : FCC15. 109(a) 3m, below 1GHz:QP, above
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
47.801	36.3	QP	11.2	-24.7	22.8	287	373	Hori.	40.0	17.2	
47.801	52.8	QP	11.2	-24.7	39.3	261	100	Vert.	40.0	0.7	
60.000	54.4	QP	8.6	-24.4	38.6	141	315	Hori.	40.0	1.4	
60.000	50.6	QP	8.6	-24.4	34.8	235	100	Vert.	40.0	5.2	
124.996	46.6	QP	13.5	-23.6	36.5	141	315	Hori.	43.5	7.0	
124.996	50.3	QP	13.5	-23.6	40.2	316	100	Vert.	43.5	3.3	
249.992	42.5	QP	17.2	-22.5	37.2	178	138	Hori.	46.0	8.8	
249.992	42.9	QP	17.2	-22.5	37.6	316	100	Vert.	46.0	8.4	
329.998	43.5	QP	15.1	-21.9	36.7	247	100	Hori.	46.0	9.3	
329.998	38.5	QP	15.1	-21.9	31.7	341	104	Vert.	46.0	14.3	
549.996	37.2	QP	18.8	-20.6	35.4	57	268	Vert.	46.0	10.6	
549.996	38.8	QP	18.8	-20.6	37.0	309	100	Hori.	46.0	9.0	
769.995	36.4	QP	21.1	-19.2	38.3	84	100	Vert.	46.0	7.7	
769.995	35.2	QP	21.1	-19.2	37.1	0	100	Hori.	46.0	8.9	

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)

Radiated Spurious Emission (below 1GHz)

High-Band / Mid-Channel(5765MHz)

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

DATA OF RADIATED EMISSION TEST

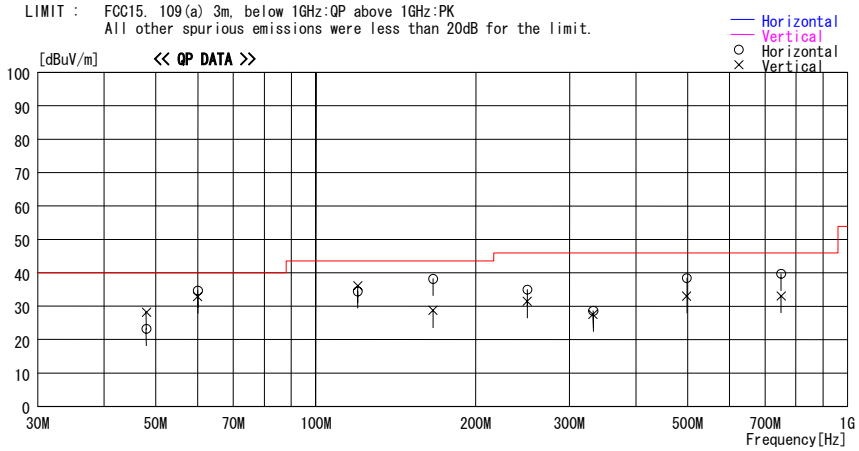
UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/08/02

Company : NEC INFRONTIA CORPORATION
Kind of EUT : Mobile terminal EX
Model No. : S1613-01A
Serial No. : #10

Report No. : 27KE0198-HO
Power : AC120V / 60Hz
Temp./Humi. : 23deg.C / 66%
Operator : Shinya Watanabe

Mode / Remarks : WLAN Rx 11a, 5765MHz, Hor:Y-Axis Ver:Y-Axis, ANT-A

LIMIT : FCC15. 109(a) 3m, below 1GHz:QP above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
48.020	34.2	QP	10.9	-21.9	23.2	282	362	Hori.	40.0	16.8
48.020	39.2	QP	10.9	-21.9	28.2	301	100	Vert.	40.0	11.8
60.000	48.1	QP	8.3	-21.7	34.7	108	400	Hori.	40.0	5.3
60.000	46.3	QP	8.3	-21.7	32.9	252	100	Vert.	40.0	7.1
120.020	42.6	QP	12.9	-21.0	34.5	328	154	Hori.	43.5	9.0
120.020	44.2	QP	12.9	-21.0	36.1	25	100	Vert.	43.5	7.4
166.150	43.0	QP	15.6	-20.4	38.2	273	274	Hori.	43.5	5.3
166.150	33.5	QP	15.6	-20.4	28.7	43	100	Vert.	43.5	14.8
250.030	37.8	QP	16.7	-19.5	35.0	279	128	Hori.	46.0	11.0
250.030	34.3	QP	16.7	-19.5	31.5	50	100	Vert.	46.0	14.5
332.400	32.1	QP	15.7	-19.2	28.6	134	100	Hori.	46.0	17.4
332.400	31.0	QP	15.7	-19.2	27.5	91	136	Vert.	46.0	18.5
498.720	39.4	QP	18.5	-19.5	38.4	224	100	Hori.	46.0	7.6
498.720	34.0	QP	18.5	-19.5	33.0	0	100	Vert.	46.0	13.0
750.200	36.5	QP	21.2	-18.0	39.7	204	122	Hori.	46.0	6.3
750.200	29.9	QP	21.2	-18.0	33.1	106	100	Vert.	46.0	12.9

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)

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz),	1m (above 10GHz),	0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%	62%
Mode	WLAN Tx 11a, 5180MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK DETECT

No.	Freq.	Reading HOR	Reading VER	Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result HOR	Result VER	Limit PK	Margin HOR	Margin VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5120.0	42.4	41.6	31.4	31.2	3.5	0.0	46.1	45.3	73.9	27.8	28.6
2	5440.1	41.2	41.3	31.6	31.1	3.5	0.0	45.2	45.3	73.9	28.7	28.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	15540.0	47.4	47.7	38.8	31.4	7.2	0.9	53.4	53.7	73.9	20.5	20.2
4	20720.0	42.3	41.8	40.1	31.9	8.2	0.0	49.2	48.7	73.9	24.7	25.2

AV DETECT

No.	Freq.	Reading HOR	Reading VER	Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result HOR	Result VER	Limit AV	Margin HOR	Margin VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5120.0	29.1	29.7	31.4	31.2	3.5	0.0	32.8	33.4	53.9	21.1	20.5
2	5440.1	29.6	30.0	31.6	31.1	3.5	0.0	33.6	34.0	53.9	20.3	19.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac												
3	15540.0	35.6	34.7	38.8	31.4	7.2	0.9	41.6	40.7	53.9	12.3	13.2
4	20720.0	33.0	33.0	40.1	31.9	8.2	0.0	39.9	39.9	53.9	14.0	14.0

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz),	1m (above 10GHz),	0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%	62%
Mode	WLAN Tx 11a 5260MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5119.9	41.7	41.4	31.4	31.2	3.5	0.0	45.4	45.1	73.9	28.5	28.8
2	5440.2	42.1	41.7	31.6	31.1	3.5	0.0	46.1	45.7	73.9	27.8	28.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	15780.0	47.5	46.0	38.2	31.5	7.2	0.9	52.8	51.3	73.9	**21.1**	22.6
4	21040.0	42.4	41.8	40.2	32.0	8.3	0.0	49.4	48.8	73.9	24.5	25.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
5	31560.0	NS	NS	-	-	-	-	-	-	73.9	-	-

AV DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5120.1	29.1	29.5	31.4	31.2	3.5	0.0	32.8	33.2	53.9	21.1	20.7
2	5440.2	29.5	30.2	31.6	31.1	3.5	0.0	33.5	34.2	53.9	20.4	19.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	15780.0	34.7	34.3	38.2	31.5	7.2	0.9	40.0	39.6	53.9	**13.9**	14.3
4	21040.0	32.5	32.5	40.2	32.0	8.3	0.0	39.5	39.5	53.9	14.4	14.4
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
5	31560.0	NS	NS	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)		
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%	62%
Mode	WLAN Tx 11a, 5320MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5120.0	41.3	41.0	31.4	31.2	3.5	0.0	45.0	44.7	73.9	28.9	29.2
2	5439.9	42.4	42.5	31.6	31.1	3.5	0.0	46.4	46.5	73.9	27.5	27.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10640.0	55.7	57.0	39.3	32.4	5.9	0.5	59.5	60.8	73.9	**14.4**	**13.1**
4	15960.0	50.9	47.8	37.7	31.7	7.3	1.0	55.7	52.6	73.9	**18.2**	21.3
5	21280.0	43.0	42.4	40.3	31.8	8.3	0.0	50.3	49.7	73.9	23.6	24.2

AV DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	5120.0	29.1	29.3	31.4	31.2	3.5	0.0	32.8	33.0	53.9	21.1	20.9
2	5440.0	30.1	30.2	31.6	31.1	3.5	0.0	34.1	34.2	53.9	19.8	19.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
3	10640.0	43.8	45.0	39.3	32.4	5.9	0.5	47.6	48.8	53.9	**6.3**	**5.1**
4	15960.0	38.5	35.7	37.7	31.7	7.3	1.0	43.3	40.5	53.9	**10.6**	13.4
5	21280.0	33.3	33.3	40.3	31.8	8.3	0.0	40.6	40.6	53.9	13.3	13.3

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	06/27/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%
Mode	WLAN Tx 11a, 5500MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3666.7	49.1	48.3	28.5	31.4	3.0	0.0	49.2	48.4	73.9	24.7	25.5
2	5440.0	41.9	42.0	31.6	31.1	3.5	0.0	45.9	46.0	73.9	28.0	27.9
3	7333.3	46.6	46.3	35.5	32.5	4.3	0.0	53.9	53.6	73.9	20.0	20.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11000.0	52.1	54.3	39.7	32.4	6.1	0.9	56.9	59.1	73.9	17.0	**14.8**

AV DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3666.7	44.6	44.0	28.5	31.4	3.0	0.0	44.7	44.1	53.9	9.2	9.8
2	5440.0	29.0	29.2	31.6	31.1	3.5	0.0	33.0	33.2	53.9	20.9	20.7
3	7333.3	37.5	38.6	35.5	32.5	4.3	0.0	44.8	45.9	53.9	9.1	8.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11000.0	40.3	42.8	39.7	32.4	6.1	0.9	45.1	47.6	53.9	8.8	**6.3**

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)		
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%	62%
Mode	WLAN Tx 11a, 5600MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3733.3	49.6	48.1	28.6	31.4	3.0	0.0	49.8	48.3	73.9	24.1	25.6
2	5440.0	42.6	42.7	31.6	31.1	3.5	0.0	46.6	46.7	73.9	27.3	27.2
3	7466.7	46.0	45.1	35.7	32.6	4.3	0.0	53.4	52.5	73.9	20.5	21.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11200.0	48.8	49.7	39.7	32.4	6.2	0.8	53.6	54.5	73.9	20.3	**19.4**
5	22400.0	42.7	43.3	40.7	31.4	8.5	0.0	51.0	51.6	73.9	22.9	22.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
6	39200.0	45.4	45.9	43.6	27.5	9.2	0.0	55.2	55.7	73.9	**18.7**	**18.2**

AV DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3733.3	44.4	43.9	28.6	31.4	3.0	0.0	44.6	44.1	53.9	**9.3**	9.8
2	5440.0	29.3	29.5	31.6	31.1	3.5	0.0	33.3	33.5	53.9	20.6	20.4
3	7466.7	36.7	37.4	35.7	32.6	4.3	0.0	44.1	44.8	53.9	9.8	**9.1**
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11200.0	36.9	37.8	39.7	32.4	6.2	0.8	41.7	42.6	53.9	12.2	11.3
5	22400.0	33.1	33.1	40.7	31.4	8.5	0.0	41.4	41.4	53.9	12.5	12.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
6	39200.0	33.2	33.2	43.6	27.5	9.2	0.0	43.0	43.0	53.9	10.9	10.9

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)		
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	60%	62%
Mode	WLAN Tx 11a 5700MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3800.0	49.0	48.6	28.7	31.3	3.0	0.0	49.4	49.0	73.9	24.5	24.9
2	5440.0	41.8	42.2	31.6	31.1	3.5	0.0	45.8	46.2	73.9	28.1	27.7
3	7600.0	46.7	46.5	35.9	32.7	4.4	0.0	54.3	54.1	73.9	19.6	19.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11400.0	45.7	47.1	39.7	32.4	6.4	0.8	50.7	52.1	73.9	23.2	21.8
5	22800.0	42.7	42.8	40.9	31.4	8.7	0.0	51.4	51.5	73.9	22.5	22.4
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
6	39900.0	45.2	45.0	43.7	27.5	9.3	0.0	55.2	55.0	73.9	**18.7**	**18.9**

AV DETECT

No.	Freq.	Reading		Ant. Factor	Amp. Gain	Cable Loss	Atten. or Filter	Result		Limit	Margin	
		HOR	VER					HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3800.0	44.1	43.7	28.7	31.3	3.0	0.0	44.5	44.1	53.9	9.4	9.8
2	5440.0	29.2	29.4	31.6	31.1	3.5	0.0	33.2	33.4	53.9	20.7	20.5
3	7600.0	36.5	37.1	35.9	32.7	4.4	0.0	44.1	44.7	53.9	9.8	9.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
4	11400.0	34.0	34.7	39.7	32.4	6.4	0.8	39.0	39.7	53.9	14.9	14.2
5	22800.0	32.6	32.7	40.9	31.4	8.7	0.0	41.3	41.4	53.9	12.6	12.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)												
6	39900.0	32.0	32.1	43.7	27.5	9.3	0.0	42.0	42.1	53.9	11.9	11.8

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	62%
Mode	WLAN Tx 11a, 5745MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3830.0	49.2	45.4	29.5	30.9	3.6	0.0	51.4	47.6	73.9	22.5	26.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11490.0	49.3	52.1	39.7	32.4	6.4	0.8	54.3	57.1	73.9	**19.6**	**16.8**
3	22980.0	42.6	43.0	41.0	31.4	8.8	0.0	51.5	51.9	73.9	22.4	**22.0**

AV DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3830.0	44.8	41.4	29.5	30.9	3.6	0.0	47.0	43.6	53.9	**6.9**	10.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11490.0	37.0	40.1	39.7	32.4	6.4	0.8	42.0	45.1	53.9	11.9	8.8
3	22980.0	32.5	32.6	41.0	31.4	8.8	0.0	41.4	41.5	53.9	12.5	12.4

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	62%
Mode	WLAN Tx 11a, 5765MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3843.3	50.1	49.5	29.5	30.9	3.6	0.0	52.3	51.7	73.9	**21.6**	22.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11530.0	48.6	51.2	39.7	32.4	6.4	0.7	53.5	56.1	73.9	**20.4**	**17.8**
3	23060.0	41.6	43.1	41.0	31.4	8.8	0.0	50.5	52.0	73.9	23.4	21.9

AV DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3843.3	47.3	47.0	29.5	30.9	3.6	0.0	49.5	49.2	53.9	**4.4**	4.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11530.0	36.9	39.4	39.7	32.4	6.4	0.7	41.8	44.3	53.9	12.1	9.6
3	23060.0	32.6	32.7	41.0	31.4	8.8	0.0	41.5	41.6	53.9	12.4	12.3

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%	62%
Mode	WLAN Tx 11a, 5805MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3870.0	48.6	49.4	29.6	30.9	3.6	0.0	50.9	51.7	73.9	23.0	22.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11610.0	49.9	52.7	39.6	32.4	6.5	0.7	54.8	57.6	73.9	19.1	**16.3**

AV DETECT

No.	Freq.	Reading		Ant.	Amp.	Cable	Atten. or	Result		Limit	Margin	
		HOR	VER	Factor	Gain	Loss	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)												
1	3870.0	46.5	46.1	29.6	30.9	3.6	0.0	48.8	48.4	53.9	**5.1**	5.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)												
2	11610.0	38.1	40.0	39.6	32.4	6.5	0.7	43.0	44.9	53.9	10.9	9.0

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.407(b) / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)		
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %	60%	62%
Mode	WLAN Tx 11a, 5180MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	6906.61	43.2	46.6	34.7	32.2	4.1	0.0	49.8	53.2	-45.4	-42.0	-27.0	18.4	15.0
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10360.00	49.9	55.4	38.9	32.3	5.7	0.3	53.0	58.5	-42.2	-36.7	-27.0	15.2	9.7
3	25900.00	42.8	42.6	41.0	28.8	9.8	0.0	55.3	55.1	-39.9	-40.1	-27.0	12.9	13.1
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	31080.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
5	36260.00	40.6	41.1	41.7	27.8	8.7	0.0	47.7	48.2	-47.5	-47.0	-27.0	20.5	20.0

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15.407(b) / RSS-210 A9.3		
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)		
Model	S1613-01A	Date	06/25/2007	06/27/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	26 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %	60%	62%
Mode	WLAN Tx 11a, 5260MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Kenichi Adachi	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)				

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	10520.00	54.2	54.1	39.2	32.3	5.8	0.4	57.8	57.7	-37.4	-37.5	-27.0	**10.4**	10.5
2	26300.00	42.5	42.3	40.7	28.5	9.7	0.0	54.9	54.7	-40.3	-40.5	-27.0	13.3	13.5
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	36820.00	43.3	43.2	42.0	27.7	15.0	0.0	57.1	57.0	-38.1	-38.2	-27.0	11.1	11.2

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

Radiated Spurious Emission (above 1GHz: Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007
S/N	#9	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59%
Mode	WLAN Tx 11a, 5320MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV] HOR	S/A Reading [dBuV] VER	Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m] HOR	Electric Field Strength [dBuV/m] VER	Result (EIRP) [dBm] HOR	Result (EIRP) [dBm] VER	Lmit [dBm]	Margin [dB] HOR	Margin [dB] VER
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
1	26600.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
2	31920.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
3	37240.00	43.0	43.5	42.3	27.6	9.0	0.0	51.2	51.7	-44.0	-43.5	-27.0	17.0	16.5

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

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

*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %	62%
Mode	WLAN Tx 11a, 5500MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	16500.00	54.0	49.2	39.0	31.4	7.4	0.9	60.4	55.6	-34.8	-39.6	-27.0	**7.8**	12.6
2	22000.00	42.6	42.4	40.5	31.3	8.3	0.0	50.6	50.4	-44.6	-44.8	-27.0	17.6	17.8
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	27500.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
4	33000.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
5	38500.00	45.3	45.5	43.2	27.5	9.0	0.0	54.5	54.7	-40.7	-40.5	-27.0	13.7	13.5

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007
S/N	#9	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %
Mode	WLAN Tx 11a, 5600MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	16800.00	48.3	46.3	39.8	31.2	7.5	0.9	55.8	53.8	-39.4	-41.4	-27.0	**12.4**	14.4
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
2	28000.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
3	33600.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007
S/N	#9	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %
Mode	WLAN Tx 11a, 5700MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	17100.00	42.4	44.2	41.2	31.1	7.5	1.0	51.5	53.3	-43.7	-41.9	-27.0	16.7	**14.9**
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
2	28500.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
3	34200.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007
S/N	#9	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %
Mode	WLAN Tx 11a, 5745MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	17235.00	48.1	49.5	42.3	31.1	7.5	1.1	58.4	59.8	-36.8	-35.4	-27.0	9.8	**8.4**
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
2	28725.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
3	34470.00	39.4	39.0	40.5	28.2	8.1	0.0	44.3	43.9	-50.9	-51.3	-27.0	23.9	24.3

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)
Model	S1613-01A	Date	06/25/2007
S/N	#9	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %
Mode	WLAN Tx 11a, 5765MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	17295.00	49.3	48.4	42.8	31.0	7.5	1.1	60.2	59.3	-35.0	-35.9	-27.0	**8.0**	8.9
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
2	28825.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
3	34590.00	38.2	39.3	40.5	28.2	8.1	0.0	43.1	44.2	-52.1	-51.0	-27.0	25.1	24.0

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB
* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
*used conversion formula

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart C 15. 407(b) / RSS-210 A9.3	
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 1m (above 10GHz), 0.5m (above 26.5GHz)	
Model	S1613-01A	Date	06/25/2007	07/23/2007
S/N	#9	Temperature	24 deg.C.	24 deg.C.
Power	AC 120V / 60Hz	Humidity	59 %	62%
Mode	WLAN Tx 11a, 5805MHz, 54Mbps, ANT-A	Engineer	Takahiro Hatakeda	Hisayoshi Sato
EUT-Axis	H: Y-axis / V: Y-axis (Worst)			

PK detect

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor	Amp. Gain	Cable Loss	ATT or Filter Loss	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	[dB/m]	[dB]	[dB]	[dB]	HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	17415.00	47.0	50.0	43.8	31.0	7.5	1.2	59.0	62.0	-36.2	-33.2	-27.0	9.2	**6.2**
2	23220.00	43.9	43.3	41.0	31.2	8.9	0.0	53.1	52.5	-42.1	-42.7	-27.0	15.1	15.7
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	29025.00	NS	NS	-	-	-	-	-	-	-	-	-27.0	-	-
4	34830.00	39.3	39.0	40.7	28.1	8.2	0.0	44.6	44.3	-50.6	-50.9	-27.0	23.6	23.9

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

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3/0.5) = 15.5 dB

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

Radiated Spurious Emission (above 1GHz)

11a Rx, Mid Band Ch:Low

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart B 15.109 / RSS-Gen.6
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 0.5m (above 10GHz)
Model	S1613-01A	Date	08/01/2007
S/N	#9	Temperature	26 deg.C.
Power	AC 120V / 60Hz	Humidity	60 %
Mode	WLAN Rx 11a, 5260MHz, 54Mbps, ANT-A	Engineer	Shinya Watanabe
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.1	53.6	54.9	25.0	34.0	1.8	0.0	46.4	47.7	73.9	27.5	26.2
2	1360.0	57.1	52.2	25.5	33.1	2.1	0.0	51.6	46.7	73.9	22.3	27.2
3	3733.3	47.5	50.3	29.3	31.0	3.6	0.0	49.4	52.2	73.9	24.5	21.7
4	7466.7	43.9	45.8	36.2	31.3	4.7	0.0	53.5	55.4	73.9	20.4	18.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11200.0	42.6	42.6	39.7	32.4	6.2	0.0	40.6	40.6	73.9	33.3	33.3
6	16800.0	44.2	44.3	39.8	31.2	7.5	0.0	44.8	44.9	73.9	29.1	29.0

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.1	34.1	34.8	25.0	34.0	1.8	0.0	26.9	27.6	53.9	27.0	26.3
2	1360.0	37.4	35.1	25.5	33.1	2.1	0.0	31.9	29.6	53.9	22.0	24.3
3	3733.3	40.8	46.1	29.3	31.0	3.6	0.0	42.7	48.0	53.9	11.2	5.9
4	7466.7	33.8	36.7	36.2	31.3	4.7	0.0	43.4	46.3	53.9	10.5	7.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11200.0	30.2	29.9	39.7	32.4	6.2	0.0	28.2	27.9	53.9	25.7	26.0
6	16800.0	31.9	31.8	39.8	31.2	7.5	0.0	32.5	32.4	53.9	21.4	21.5

Test Distance 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.

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

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

Radiated Spurious Emission (above 1GHz)
11a Rx, Additional Band Ch:Mid

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart B 15.109 / RSS-Gen.6
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 0.5m (above 10GHz)
Model	S1613-01A	Date	08/01/2007
S/N	#9	Temperature	26 deg.C.
Power	AC 120V / 60Hz	Humidity	60 %
Mode	WLAN Rx 11a, 5600MHz, 54Mbps, ANT-A	Engineer	Shinya Watanabe
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.1	53.6	54.9	25.0	34.0	1.8	0.0	46.4	47.7	73.9	27.5	26.2
2	1360.0	57.1	52.2	25.5	33.1	2.1	0.0	51.6	46.7	73.9	22.3	27.2
3	3733.3	47.5	50.3	29.3	31.0	3.6	0.0	49.4	52.2	73.9	24.5	21.7
4	7466.7	43.9	45.8	36.2	31.3	4.7	0.0	53.5	55.4	73.9	20.4	18.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11200.0	42.6	42.6	39.7	32.4	6.2	0.0	40.6	40.6	73.9	33.3	33.3
6	16800.0	44.2	44.3	39.8	31.2	7.5	0.0	44.8	44.9	73.9	29.1	29.0

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.1	34.1	34.8	25.0	34.0	1.8	0.0	26.9	27.6	53.9	27.0	26.3
2	1360.0	37.4	35.1	25.5	33.1	2.1	0.0	31.9	29.6	53.9	22.0	24.3
3	3733.3	40.8	46.1	29.3	31.0	3.6	0.0	42.7	48.0	53.9	11.2	5.9
4	7466.7	33.8	36.7	36.2	31.3	4.7	0.0	43.4	46.3	53.9	10.5	7.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11200.0	30.2	29.9	39.7	32.4	6.2	0.0	28.2	27.9	53.9	25.7	26.0
6	16800.0	31.9	31.8	39.8	31.2	7.5	0.0	32.5	32.4	53.9	21.4	21.5

Test Distance 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.

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

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

Radiated Spurious Emission (above 1GHz)

11a Rx, High Band Ch:Mid

UL Japan, Inc.
Head Office EMC Lab. No.3 Anechoic Chamber

Company	NEC INFRONTIA CORPORATION	Regulation	FCC Part15 Subpart B 15.109 / RSS-Gen.6
Equipment	Mobile Terminal EX	Test Distance	3m(Below 10GHz), 0.5m (above 10GHz)
Model	S1613-01A	Date	08/01/2007
S/N	#9	Temperature	26 deg.C.
Power	AC 120V / 60Hz	Humidity	60 %
Mode	WLAN Rx 11a, 5765MHz, 54Mbps, ANT-A	Engineer	Shinya Watanabe
EUT-Axis	H: Y-axis / V: Y-axis (Worst)		

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.9	54.4	56.4	25.0	34.0	1.8	0.0	47.2	49.2	73.9	26.7	24.7
2	1355.7	57.1	51.8	25.5	33.1	2.1	0.0	51.6	46.3	73.9	22.3	27.6
3	3843.3	48.2	49.3	29.5	30.9	3.6	0.0	50.4	51.5	73.9	23.5	22.4
4	7686.7	45.9	45.6	36.4	31.3	4.9	0.0	55.9	55.6	73.9	18.0	18.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11530.0	42.9	42.8	39.7	32.4	6.4	0.0	41.1	41.0	73.9	32.8	32.9
6	17295.0	46.2	45.4	42.8	31.0	7.5	0.0	50.0	49.2	73.9	23.9	24.7

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1096.9	35.0	34.3	25.0	34.0	1.8	0.0	27.8	27.1	53.9	26.1	26.8
2	1355.7	36.8	34.8	25.5	33.1	2.1	0.0	31.3	29.3	53.9	22.6	24.6
3	3843.3	43.2	45.4	29.5	30.9	3.6	0.0	45.4	47.6	53.9	8.5	6.3
4	7686.7	37.1	36.9	36.4	31.3	4.9	0.0	47.1	46.9	53.9	6.8	7.0
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11530.0	30.2	30.2	39.7	32.4	6.4	0.0	28.4	28.4	53.9	25.5	25.5
6	17295.0	32.3	32.3	42.8	31.0	7.5	0.0	36.1	36.1	53.9	17.8	17.8

Test Distance 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.

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

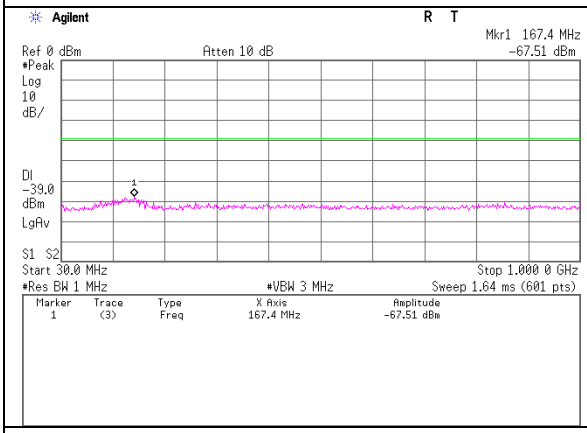
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Conducted Spurious Emission(DSSS and other forms of modulation)

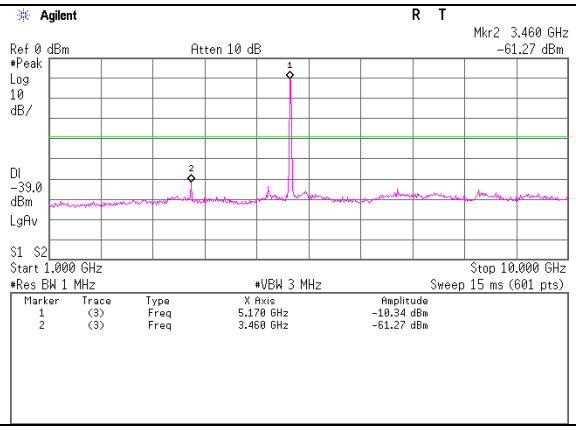
54Mbps ANT-A

Ch : 36

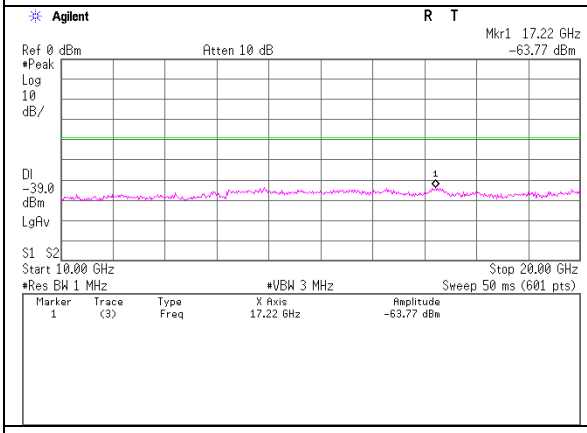
30MHz-1GHz



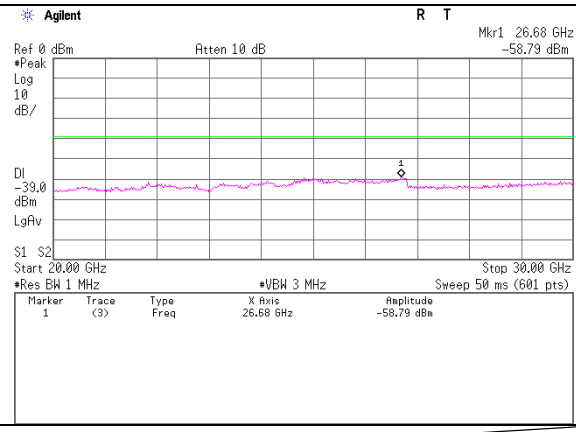
1GHz-10GHz



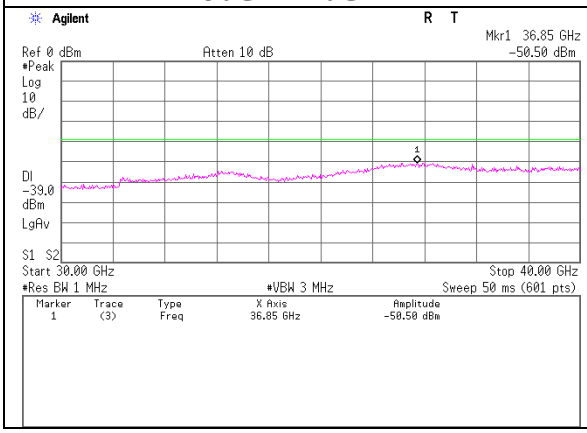
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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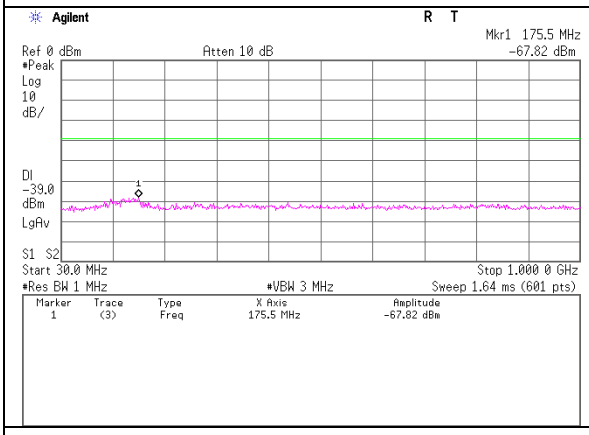
Conducted Spurious Emission(DSSS and other forms of modulation)

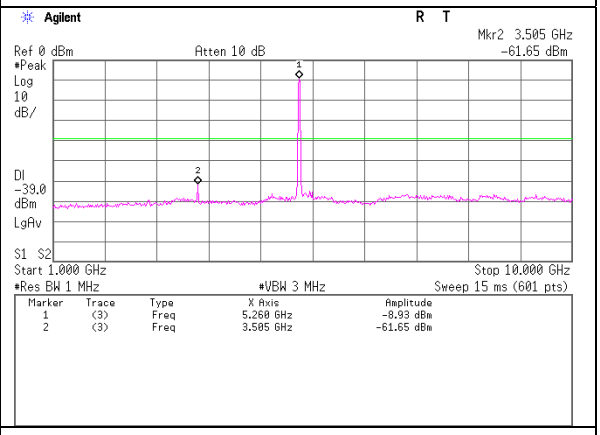
54Mbps ANT-A

Ch : 52

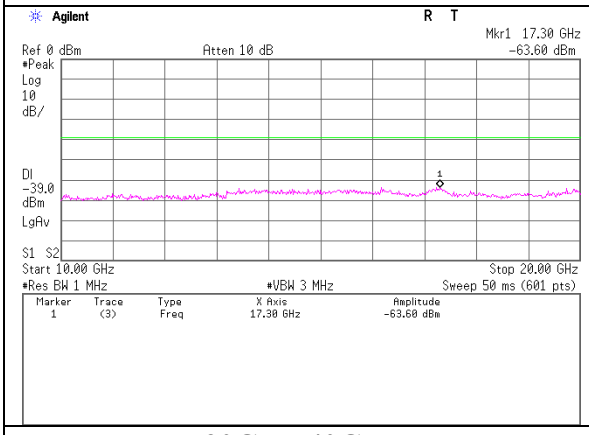
30MHz-1GHz



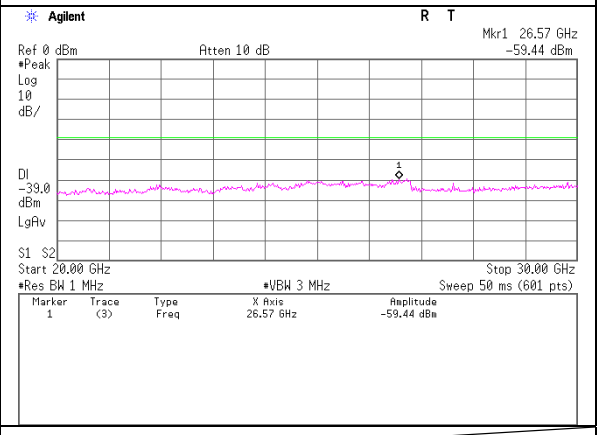
1GHz-10GHz



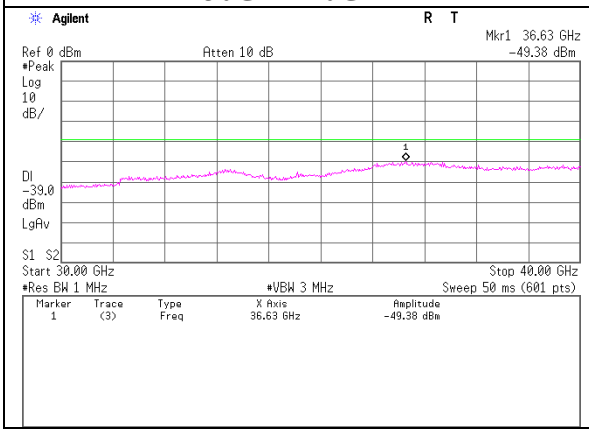
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz

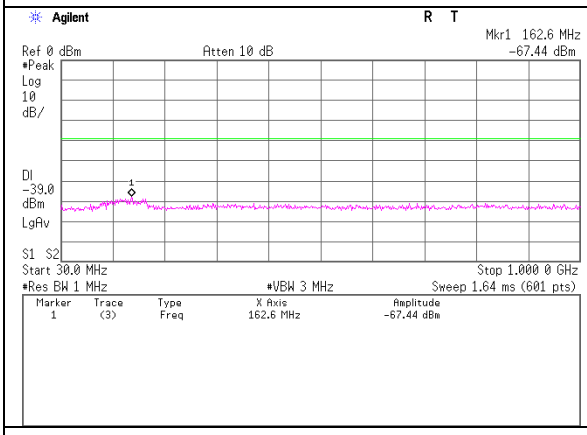


Conducted Spurious Emission(DSSS and other forms of modulation)

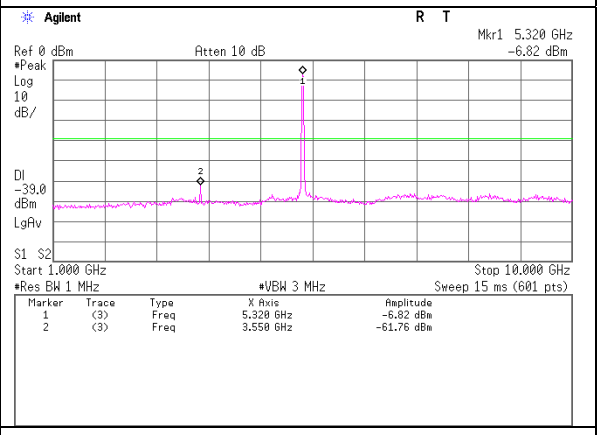
54Mbps ANT-A

Ch : 64

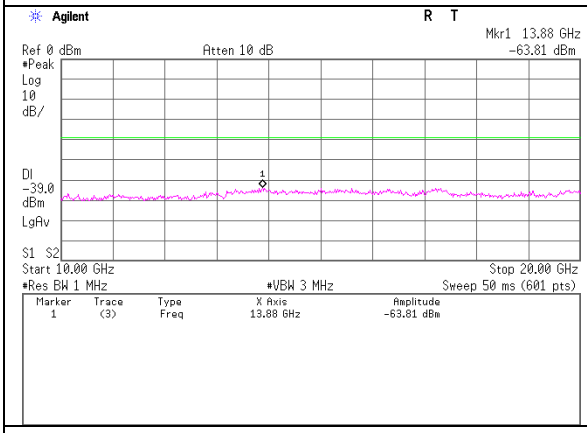
30MHz-1GHz



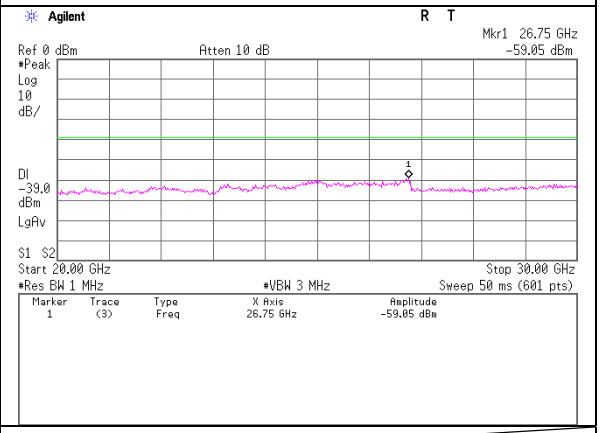
1GHz-10GHz



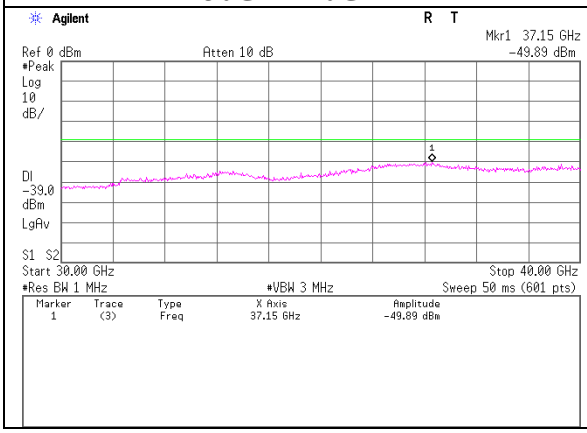
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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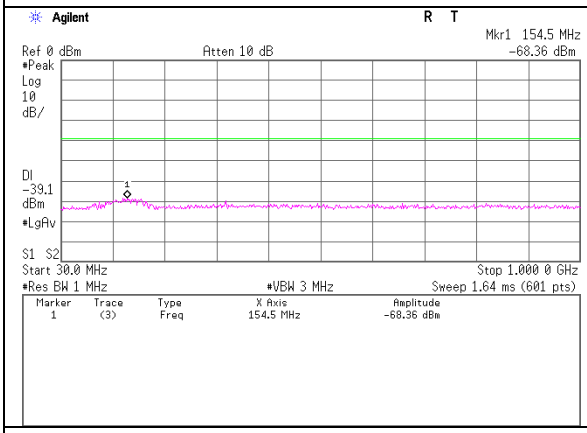
Conducted Spurious Emission(DSSS and other forms of modulation)

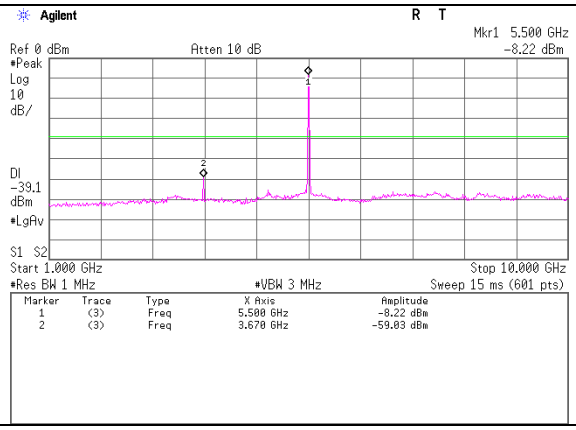
54Mbps ANT-A

Ch : 100

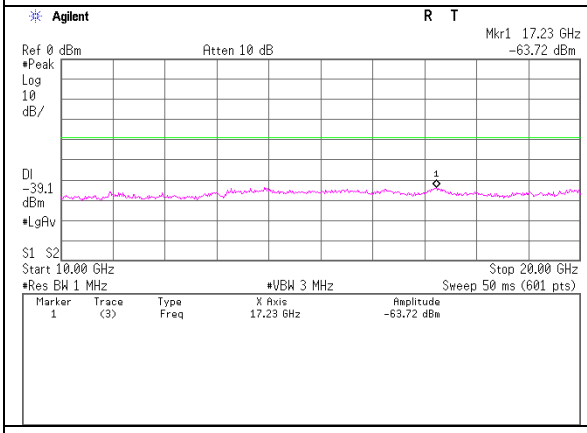
30MHz-1GHz



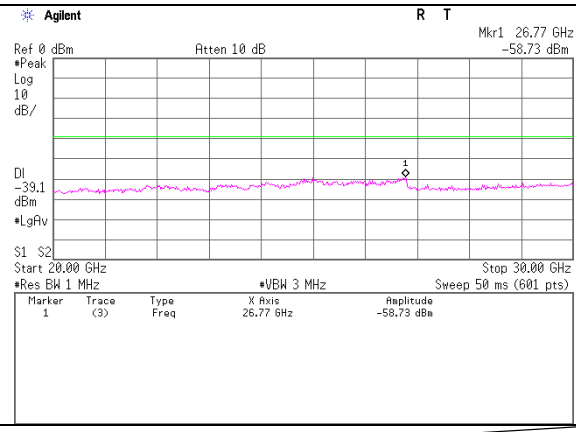
1GHz-10GHz



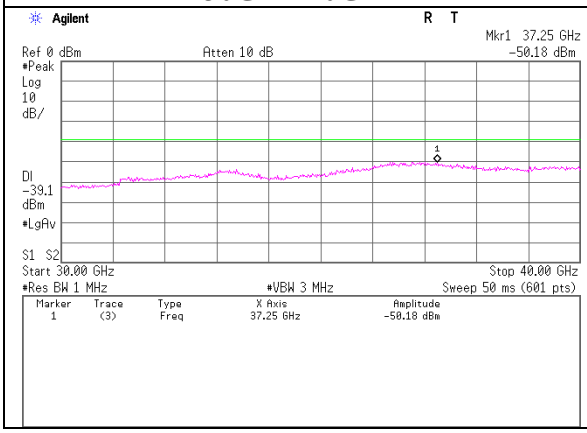
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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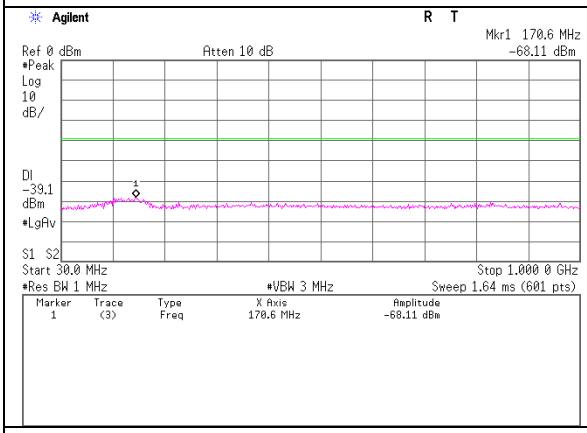
Conducted Spurious Emission(DSSS and other forms of modulation)

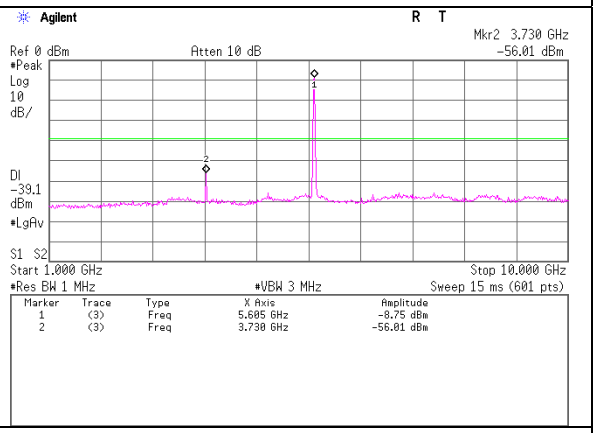
54Mbps ANT-A

Ch : 120

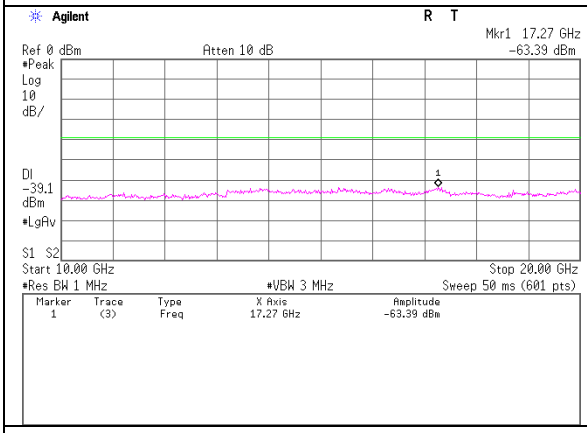
30MHz-1GHz



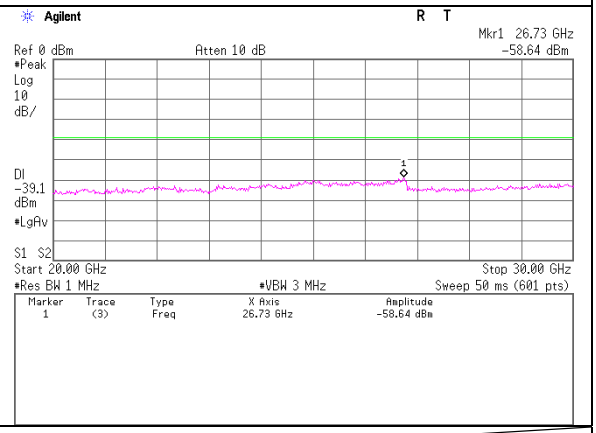
1GHz-10GHz



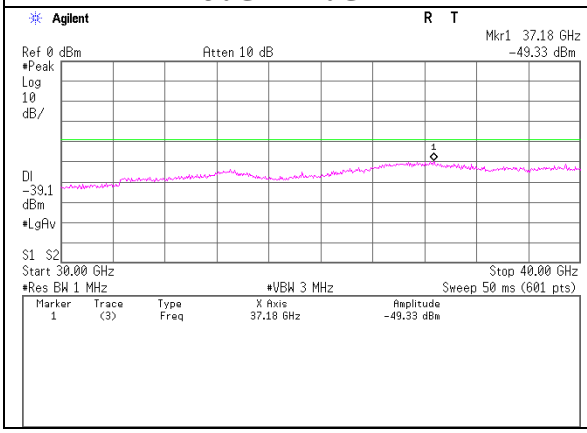
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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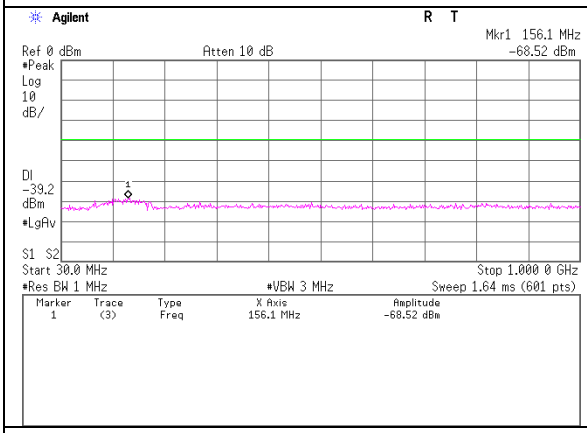
Conducted Spurious Emission(DSSS and other forms of modulation)

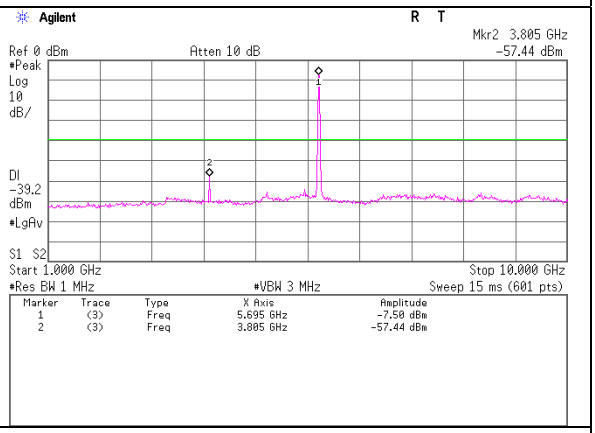
54Mbps ANT-A

Ch : 140

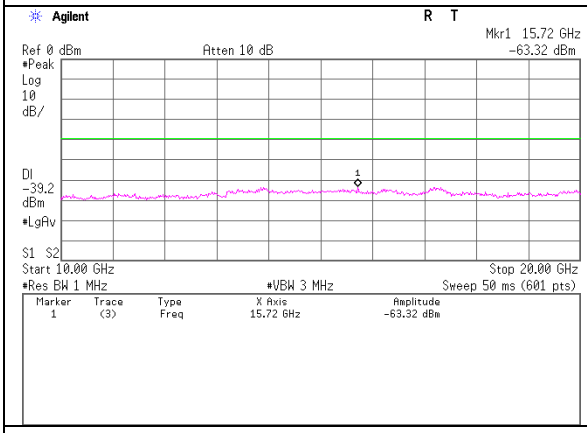
30MHz-1GHz



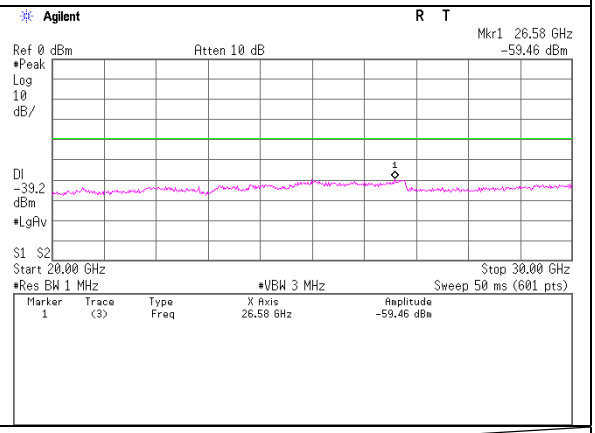
1GHz-10GHz



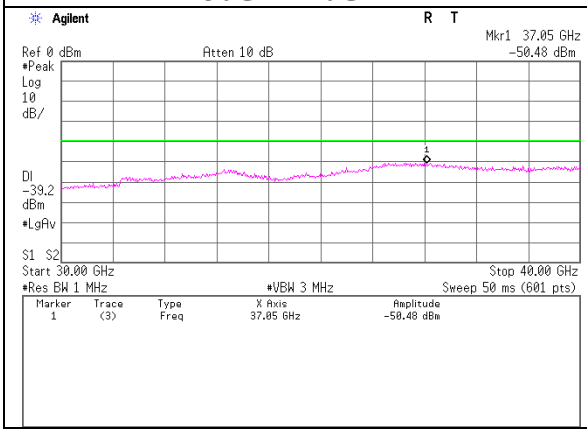
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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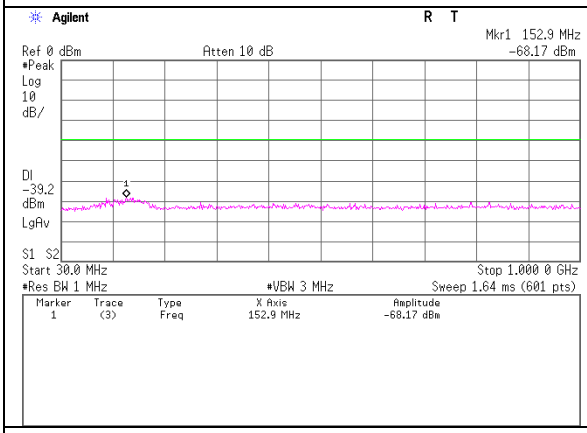
Conducted Spurious Emission(DSSS and other forms of modulation)

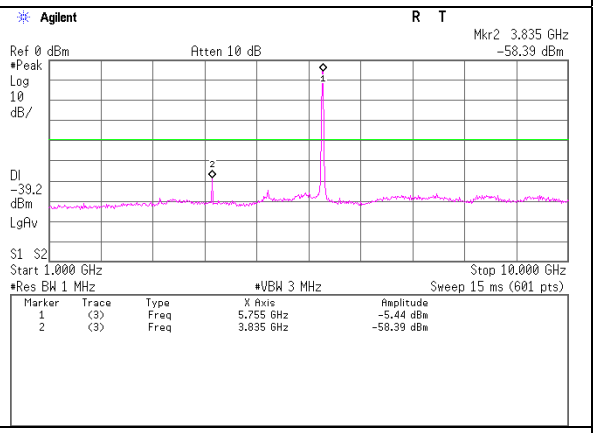
54Mbps ANT-A

Ch : 149

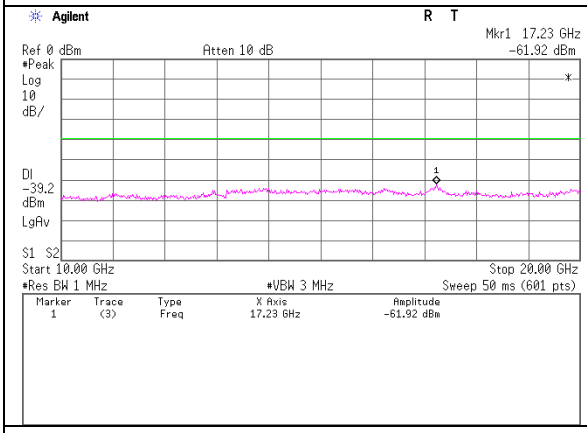
30MHz-1GHz



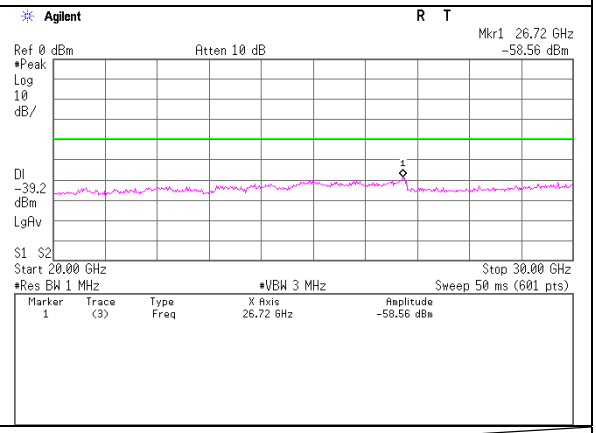
1GHz-10GHz



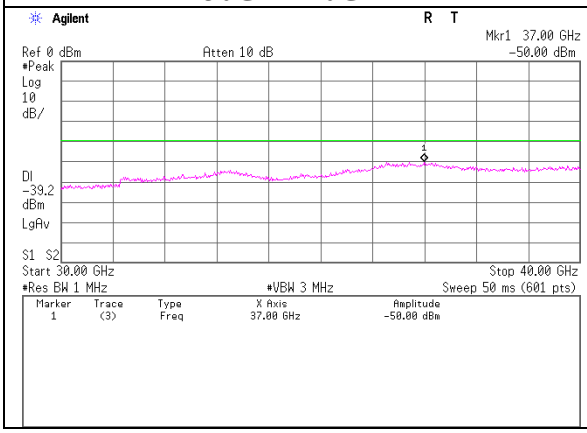
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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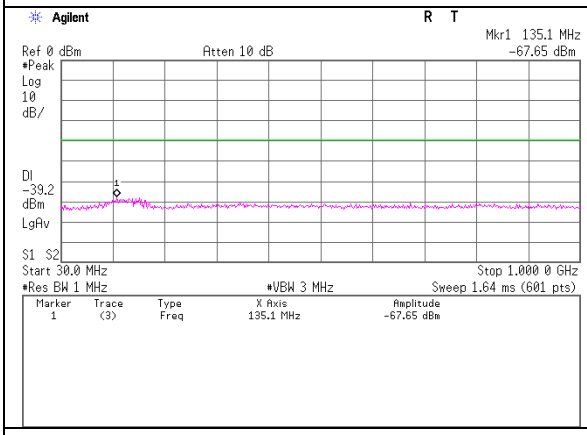
Conducted Spurious Emission(DSSS and other forms of modulation)

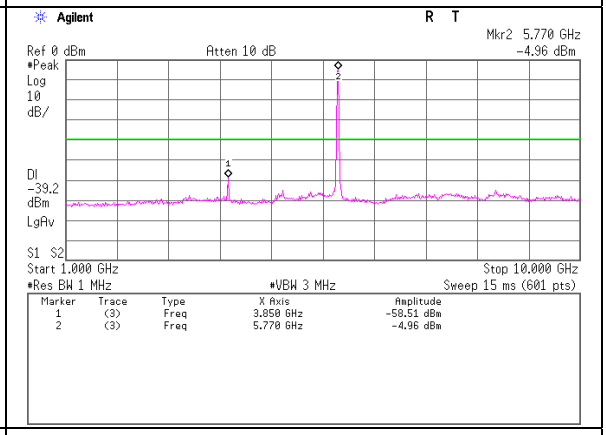
54Mbps ANT-A

Ch : 153

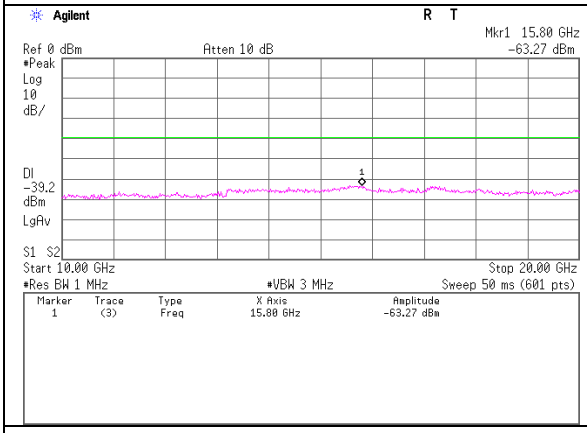
30MHz-1GHz



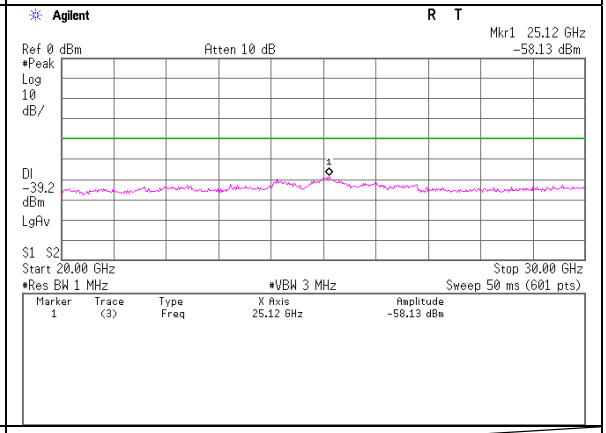
1GHz-10GHz



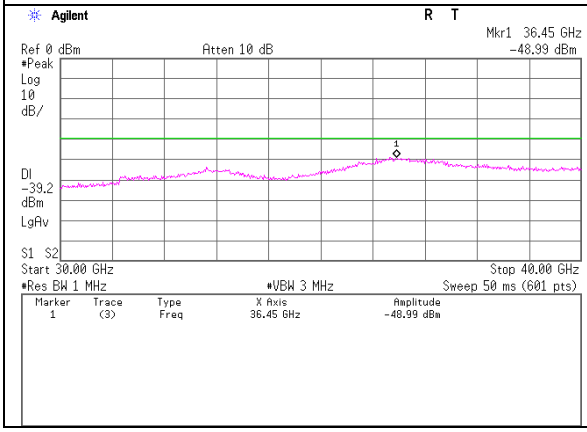
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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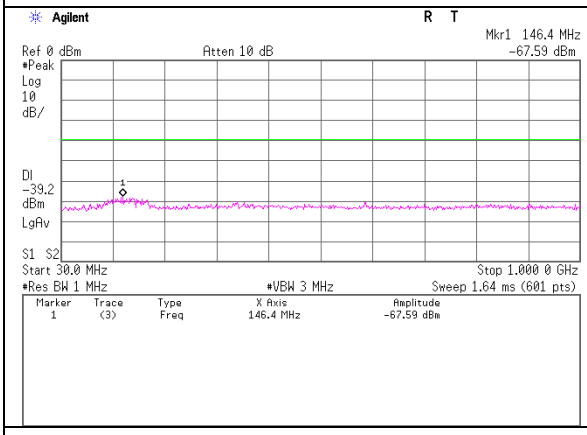
Conducted Spurious Emission(DSSS and other forms of modulation)

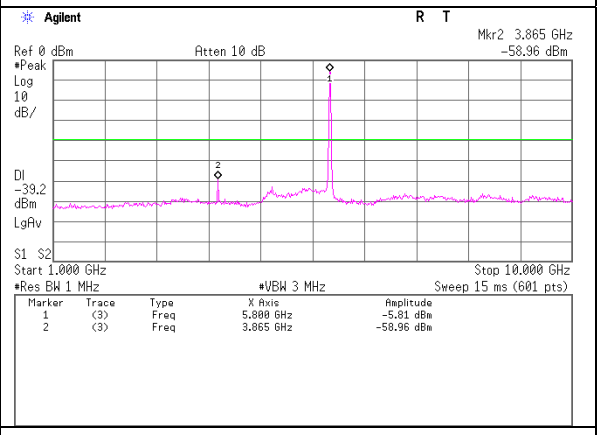
54Mbps ANT-A

Ch : 161

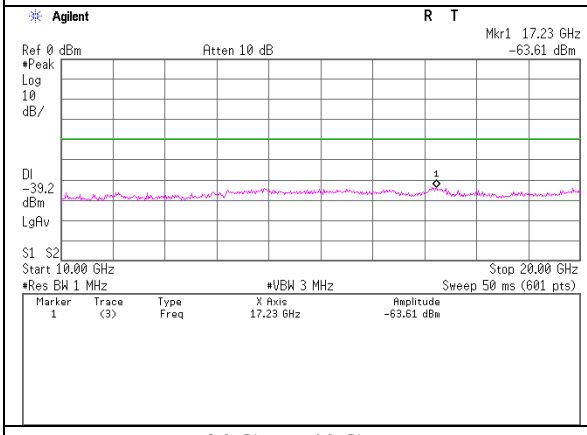
30MHz-1GHz



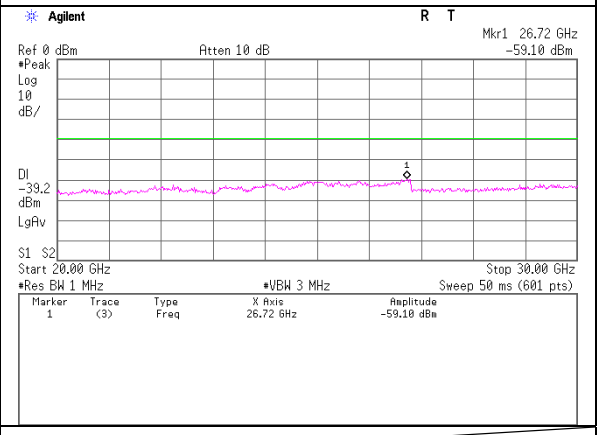
1GHz-10GHz



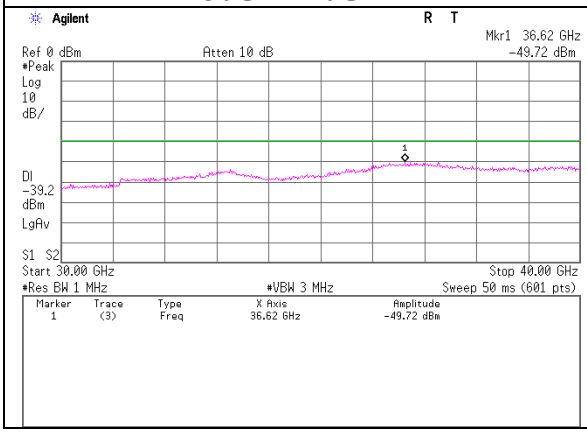
10GHz-20GHz



20GHz-30GHz



30GHz-40GHz



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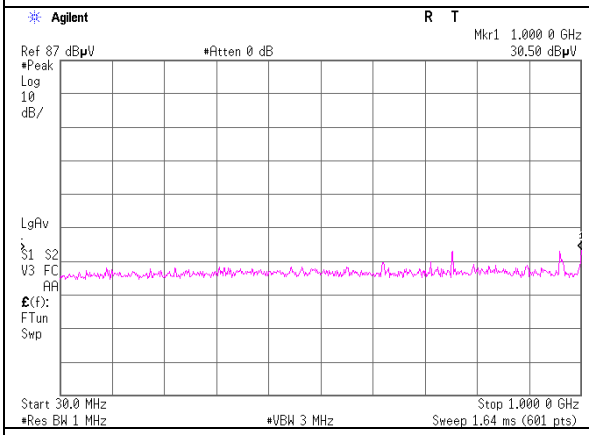
Conducted Spurious Emission(DSSS and other forms of modulation)

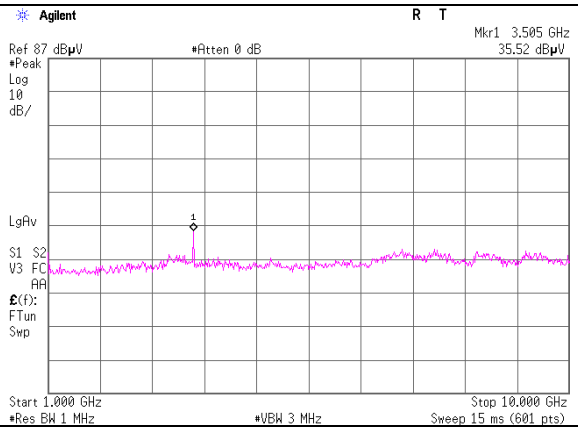
54Mbps ANT-A

Rx Ch : 52

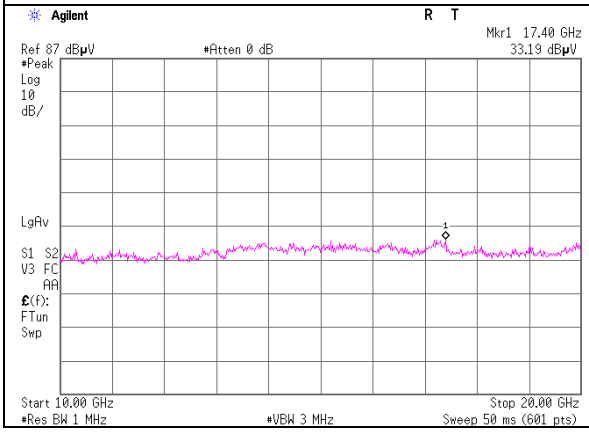
30MHz-1GHz



1GHz-10GHz



10GHz-20GHz

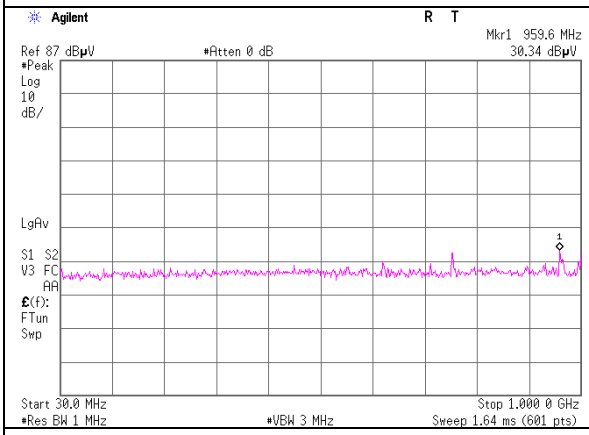


Conducted Spurious Emission(DSSS and other forms of modulation)

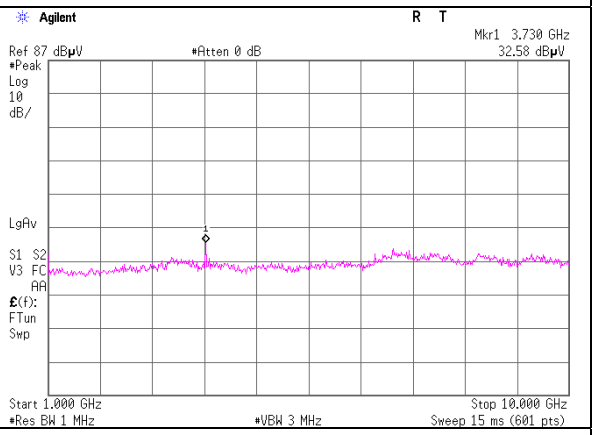
54Mbps ANT-A

Rx Ch : 120

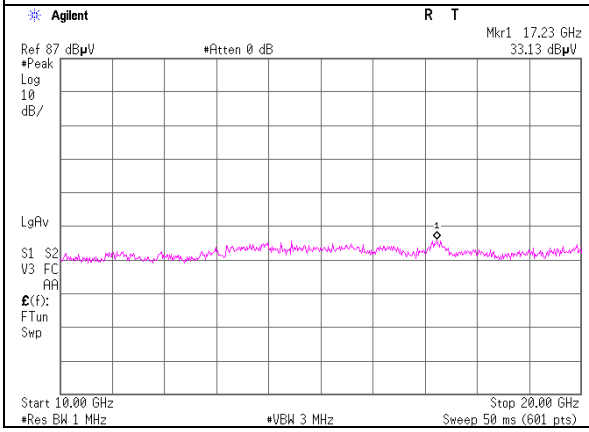
30MHz-1GHz



1GHz-10GHz



10GHz-20GHz

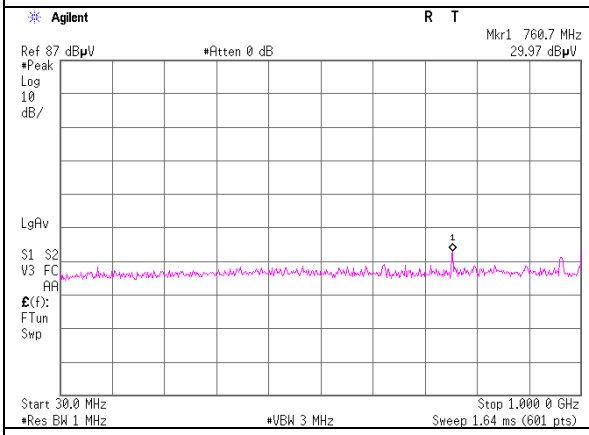


Conducted Spurious Emission(DSSS and other forms of modulation)

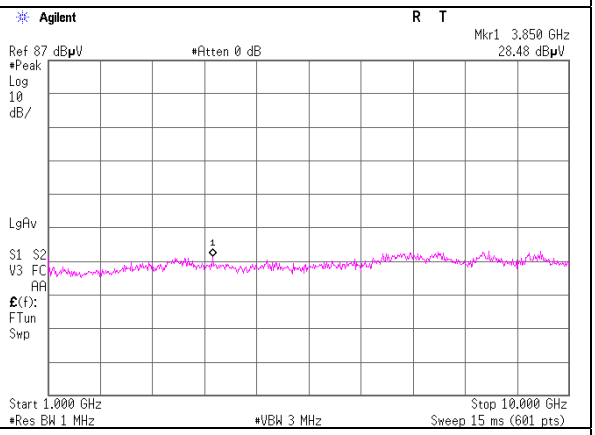
54Mbps ANT-A

Rx Ch : 153

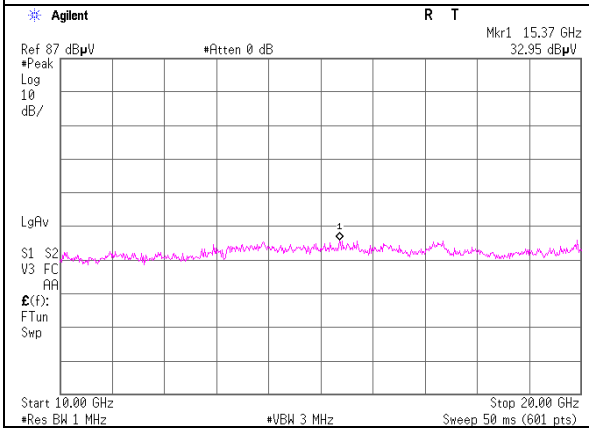
30MHz-1GHz



1GHz-10GHz



10GHz-20GHz



Radiated emission Band Edge compliance

UL Japan, Inc.
Head Office EMC Lab. No.4 and No.3 Semi Anechoic Chamber

Company	NEC INFRONTIA CORPORATION			
Equipment	Mobile Terminal EX	Regulation	FCC Section 15.407(b) / RSS-210 A9.3	
Model	S1613-01A	Test Distance	3m	
S/N	#9	Date	06/27/2007	07/23/2007
Power	AC 120V / 60Hz	Temperature	26 deg.C.	24 deg.C.
Mode	Transmitting mode 11a (54Mbps, Ant A)	Humidity	60%	62%
		Engineer	Kenichi Adachi	Hisayoshi Sato
EUT Position	H: Y-axis / V: Y-axis (Worst)			
Tx Antenna	0.8m Height			

(No.4 (1 to 4) and No.3 (5 to 8) Semi Anechoic Chamber) (* No.1: Tx 5180MHz, No.2: Tx 5320MHz, No.3: Tx 5500MHz, No.4: Tx 5700MHz)
PK DETECT (RBW: 1MHz , VBW:1MHz) (* No.5 and No.6: Tx 5745MHz, No.7 and No.8: Tx 5805MHz)

No.	FREQ	S/A READING HOR	S/A READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	5150.0	42.1	41.5	31.4	31.2	3.5	0.0	45.8	45.2	73.9	28.1	28.7
2	5350.0	42.6	42.8	31.5	31.1	3.5	0.0	46.5	46.7	73.9	27.4	**27.2**
3	5470.0	41.5	41.6	31.6	31.1	3.5	0.0	45.5	45.6	-	-	-
4	5725.0	41.0	41.2	32.0	31.1	3.6	0.0	45.5	45.7	-	-	-
5	5715.0	39.0	41.9	32.3	30.6	4.2	0.0	44.9	47.8	-	-	-
6	5725.0	52.3	55.2	32.4	30.6	4.2	0.0	58.3	61.2	-	-	-
7	5825.0	49.7	55.5	32.5	30.6	4.2	0.0	55.8	61.6	-	-	-
8	5835.0	40.4	40.2	32.5	30.6	4.2	0.0	46.5	46.3	-	-	-

(No.4 & No.3 Semi Anechoic Chamber) (No.3: Tx 5500MHz, No.4: Tx 5700MHz, No.5 and No.6: Tx 5745MHz, No.7 and No.8: Tx 5805MHz)

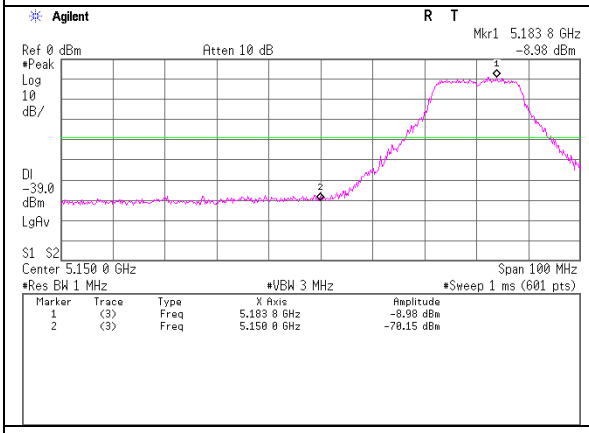
No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m] HOR	Electric Field Strength (After Factor Calculation) [dBuV/m] VER	SG Reading [dBm] HOR	SG Reading [dBm] VER	Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm] HOR	RESULT (EIRP) [dBm] VER	LIMIT [dBm] (EIRP)	MARGIN [dB] HOR	MARGIN [dB] VER	Mode	A/C	Remarks
3	5470.00	45.5	45.6	-61.9	-62.0	4.8	12.8	0.0	-53.9	-54.0	-27.0	26.9	27.0	Operating	No4	
4	5725.00	45.5	45.7	-61.6	-61.6	5.0	13.0	0.0	-53.6	-53.6	-27.0	26.6	26.6	Operating	No4	
5	5715.00	44.9	47.8	-63.3	-60.5	4.9	13.0	0.0	-55.3	-52.5	-27.0	28.3	25.5	Operating	No3	
6	5725.00	58.3	61.2	-49.9	-47.1	5.0	13.0	0.0	-41.9	-39.1	-17.0	24.9	22.1	Operating	No3	
7	5825.00	55.8	61.6	-52.3	-46.5	5.0	13.0	0.0	-44.3	-38.5	-17.0	27.3	**21.5**	Operating	No3	
8	5835.00	46.5	46.3	-61.6	-61.8	5.0	13.0	0.0	-53.6	-53.8	-27.0	26.6	26.8	Operating	No3	

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperriodic Antenna(300-1000MHz), Horn Antenna(1-12.75GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-12.75GHz)
All other emissions were at least 20dB below the specification limit.
The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.
With the result above, the effective radiated power was calculated on the basis of the reference value
- for the calibration data on the substitution measurement.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A: PK, RBW: 1MHz / VBW: 1MHz

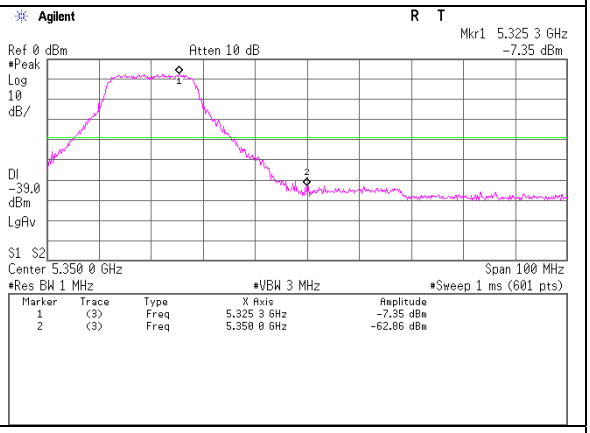
Conducted emission Band Edge compliance

54Mbps ANT-A

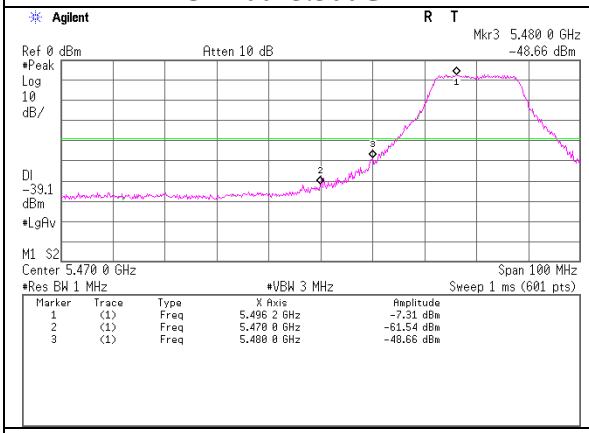
CH36 5.180GHz



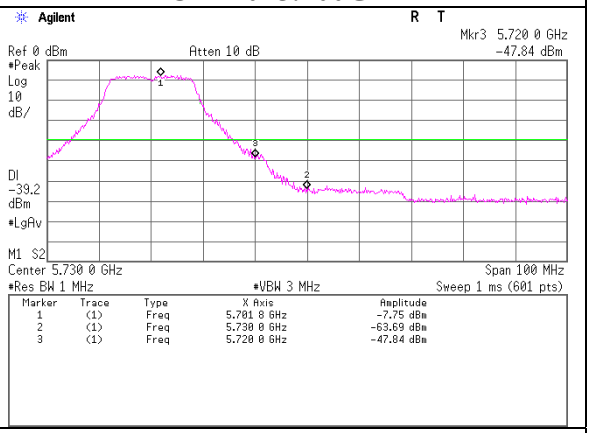
CH64 5.320GHz



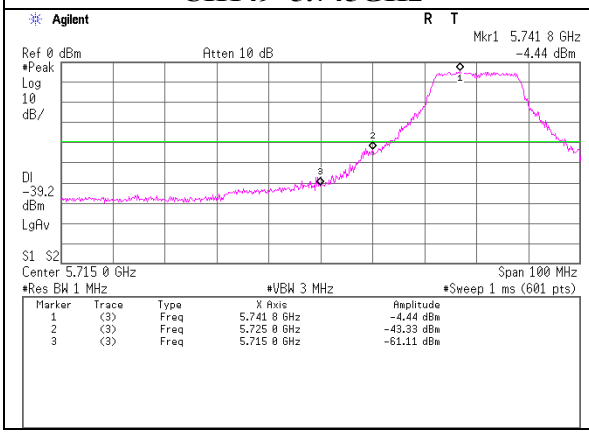
CH100 5.500GHz



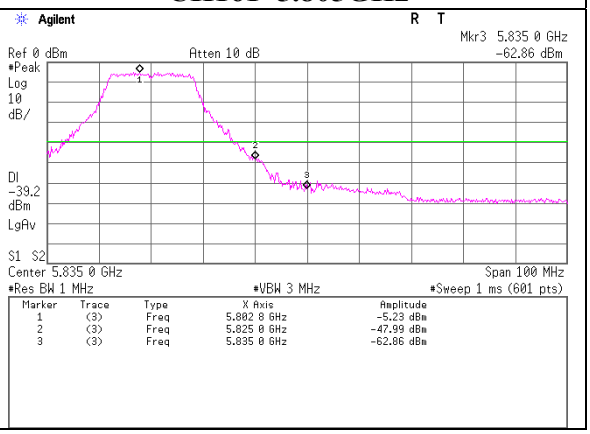
CH140 5.700GHz



CH149 5.745GHz



CH161 5.805GHz



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Peak Power Spectral Density

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

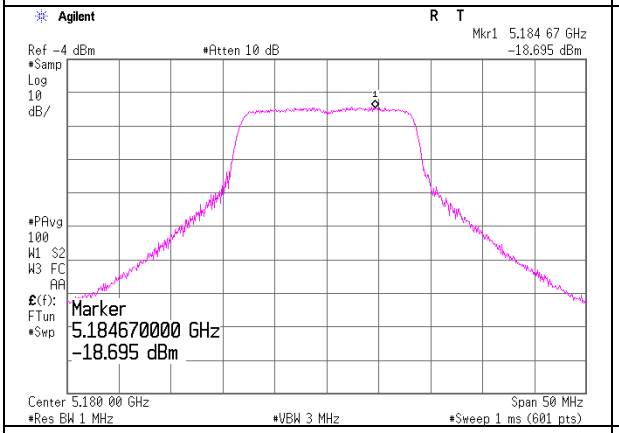
Company	NEC INFRONTIA CORPORATION				
Equipment	Mobile Terminal EX	Regulation	FCC Section 15.407(a)(1)(2)(3)(5)		
Model	S1613-01A	Test Distance	-		
S/N	#10	Date	06/25/2007	06/28/2007	08/01/2007
Power	AC120V/60Hz	Temperature	24 deg.C.	23 deg.C.	25 deg.C.
Mode	WLAN Tx 11a	Humidity	55% ,	63 %	60%
		Engineer	Takahiro Hatakeda	Takahiro Hatakeda	Hidekazu Tanaka

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-18.70	2.97	10.09	-5.64	4.00	9.64
52	5260.0	-17.70	2.99	10.08	-4.63	4.00	8.63
64	5320.0	-16.51	3.00	10.08	-3.43	4.00	7.43
100	5500.0	-15.96	3.05	10.08	-2.83	17.00	19.83
120	5600.0	-16.13	3.11	10.07	-2.95	17.00	19.95
140	5700.0	-16.44	3.16	10.07	-3.21	17.00	20.21
149	5745.0	-13.62	3.19	10.07	-0.36	17.00	17.36
153	5765.0	-13.93	3.20	10.06	-0.67	17.00	17.67
161	5805.0	-14.48	3.22	10.06	-1.20	17.00	18.20

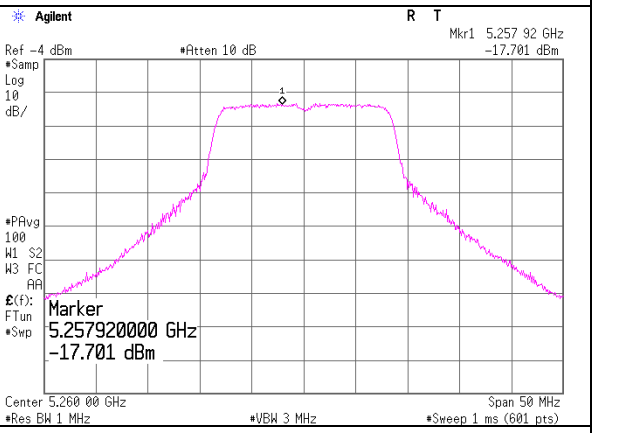
Sample Calculation:
Result = Reading + Cable Loss + Attenuator
*Atten. was not used for factor 0.0dB of the above table.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.

Peak Power Spectral Density
54Mbps ANT-A

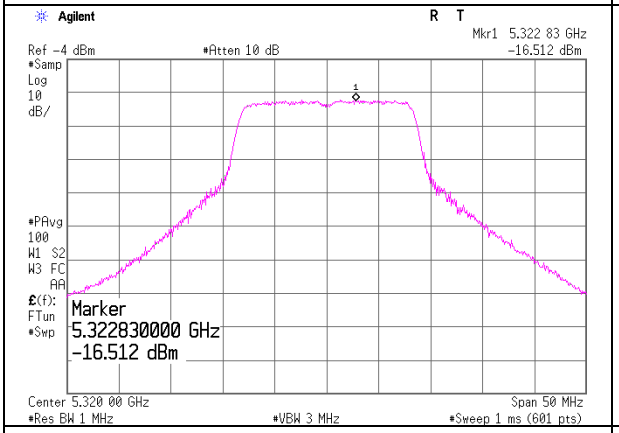
Ch:36



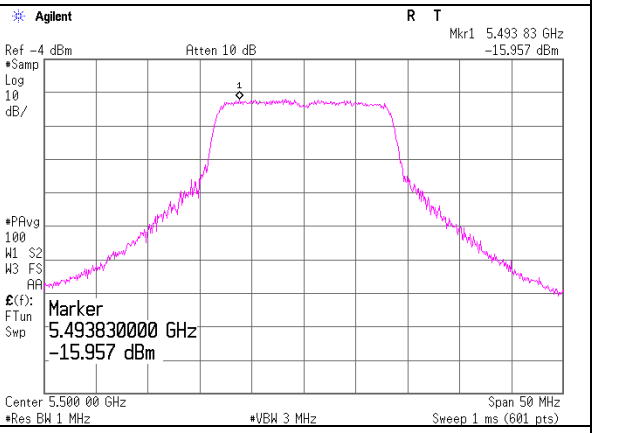
Ch:52



Ch:64



Ch:100



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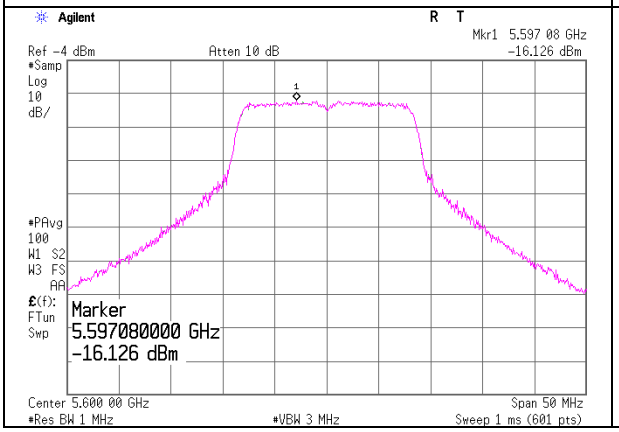

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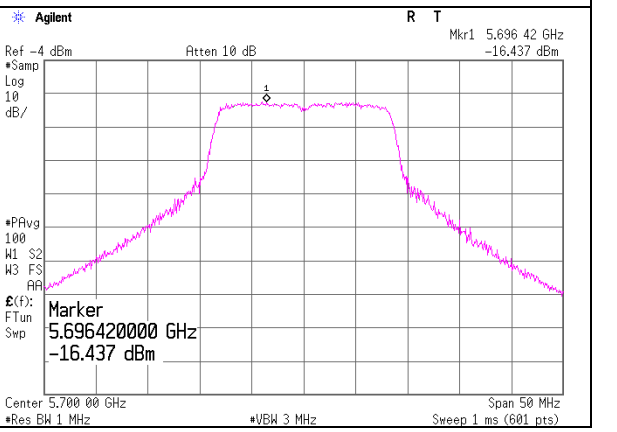

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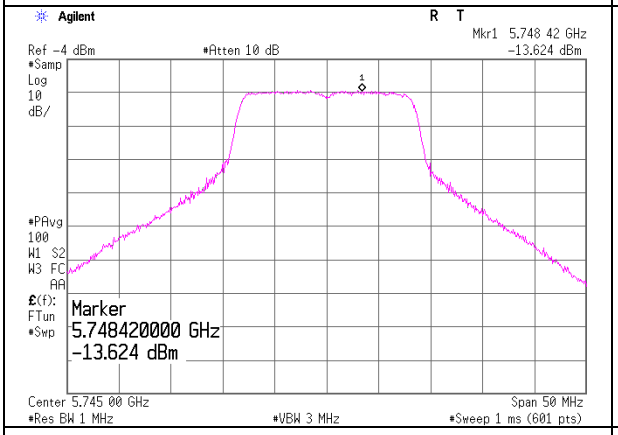
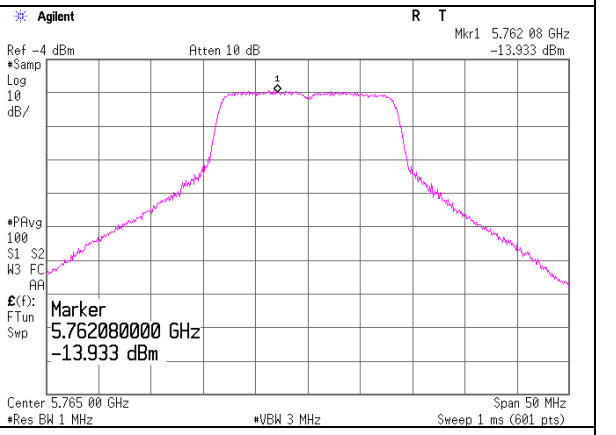
Peak Power Spectral Density
54Mbps ANT-A

Ch:149



Ch:153



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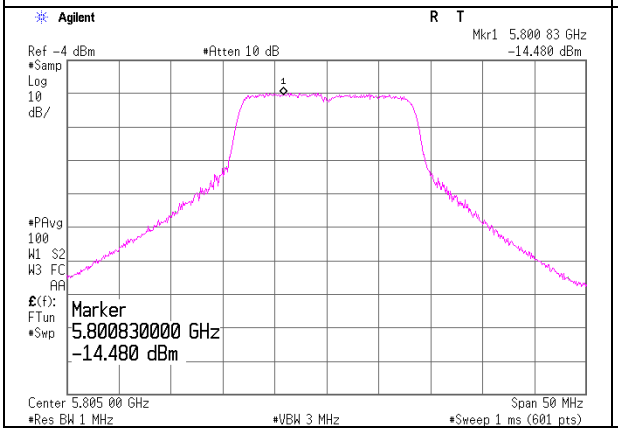

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Peak Excursion Ratio

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

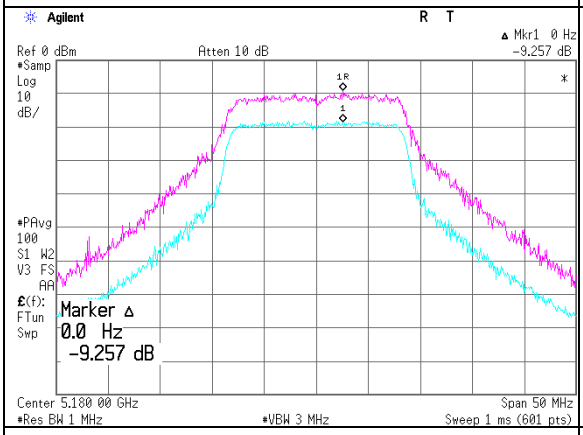
Company	NEC INFRONTIA CORPORATION				
Equipment	Mobile Terminal EX	Regulation	FCC Section 15.407(a)(6)		
Model	S1613-01A	Test Distance	-		
S/N	#10	Date	06/26/2007	06/28/2007	08/01/2007
Power	AC120V/60Hz	Temperature	26 deg.C.	23 deg.C.	25 deg.C.
Mode	WLAN Tx 11a	Humidity	58%	63 %	60%
		Engineer	Takahiro Hatakeda	Takahiro Hatakeda	Hidekazu Tanaka

Ch	Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
36	5180.0	9.257	13.0
52	5260.0	9.747	13.0
64	5320.0	9.335	13.0
100	5500.0	9.733	13.0
120	5600.0	9.598	13.0
140	5700.0	10.031	13.0
149	5745.0	10.864	13.0
153	5765.0	10.579	13.0
161	5805.0	10.405	13.0

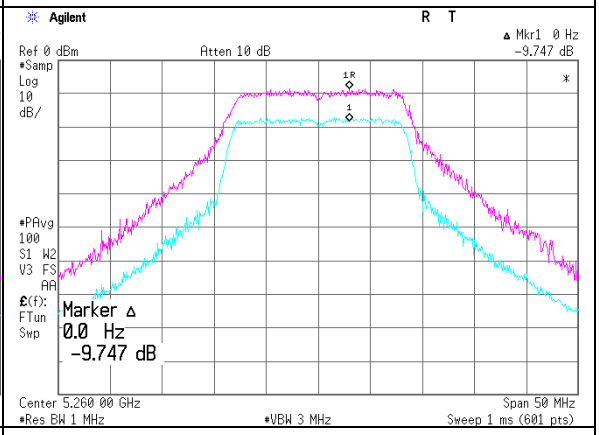
Peak Excursion Ratio

54Mbps ANT-A

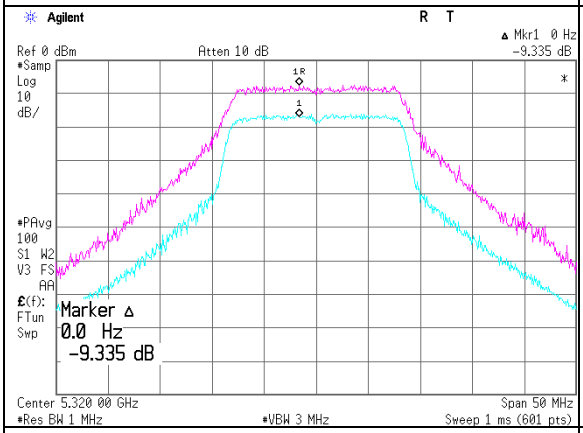
Ch:36



Ch:52



Ch:64



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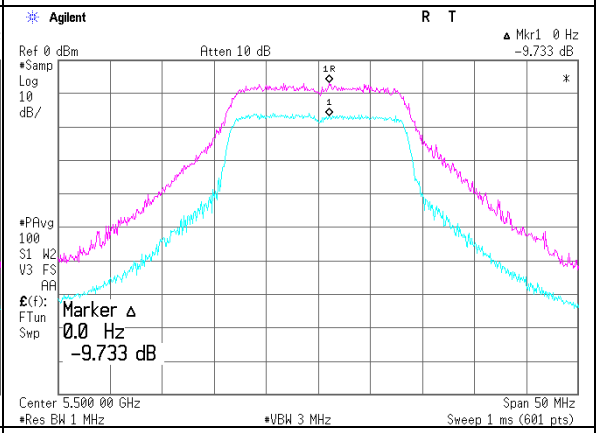
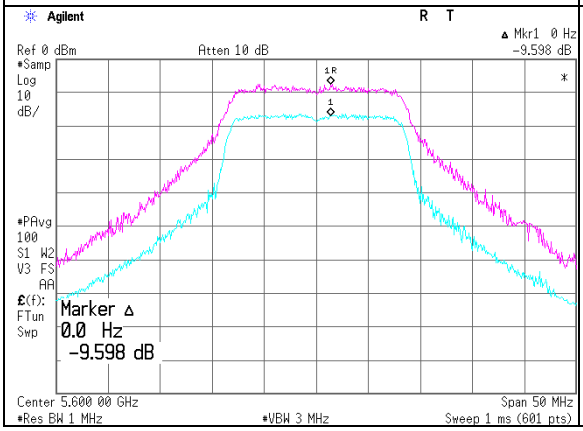


Ch:120



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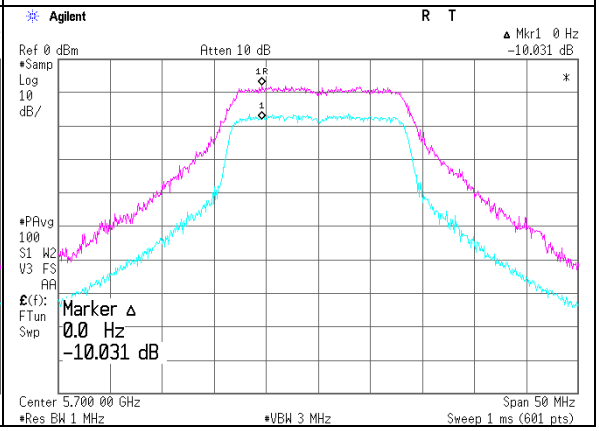
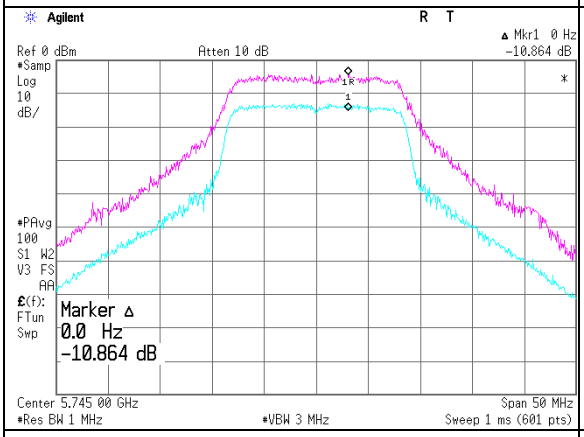


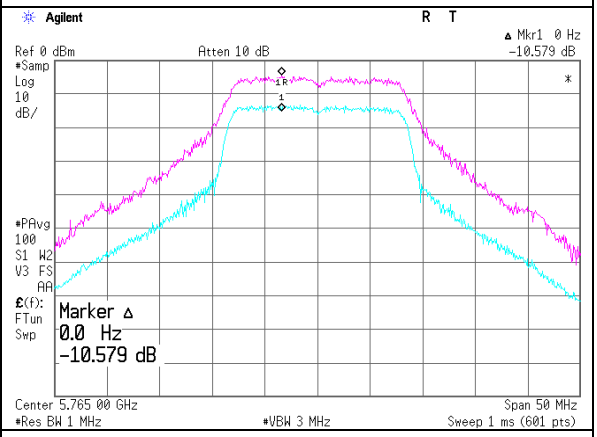
Peak Excursion Ratio

54Mbps ANT-A

Ch:149



Ch:153



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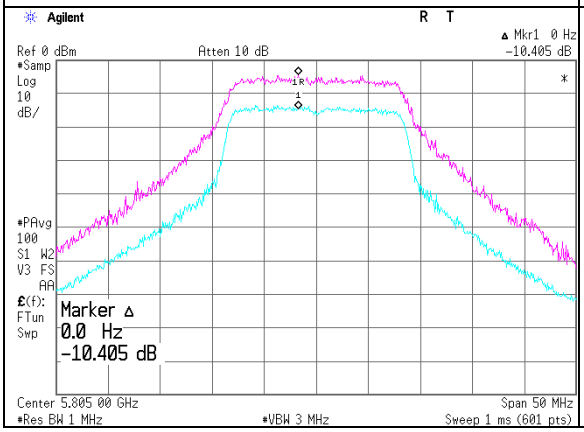
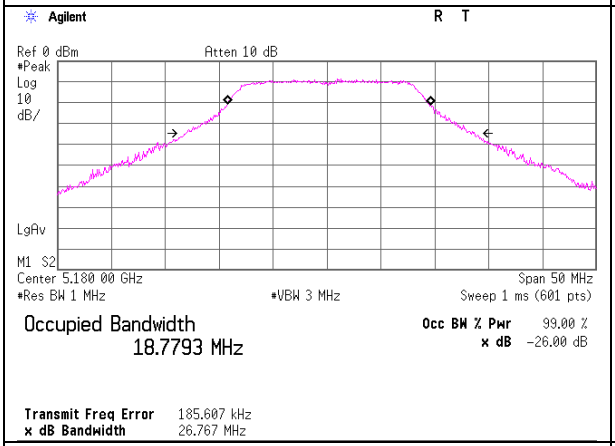


99%Occupied Bandwidth

54Mbps ANT-A

Ch:36



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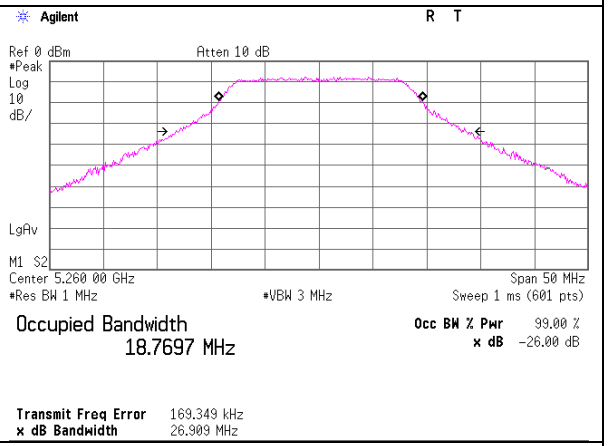

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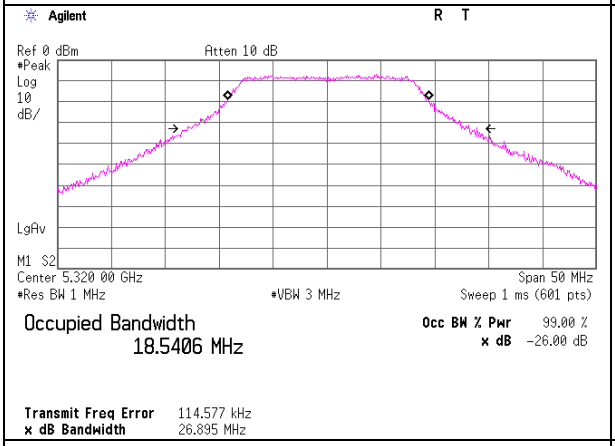

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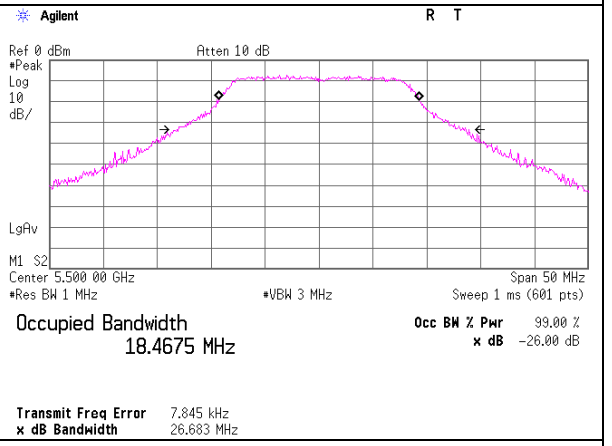

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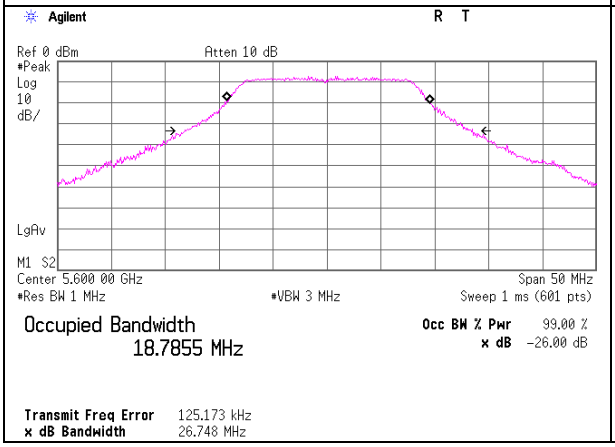

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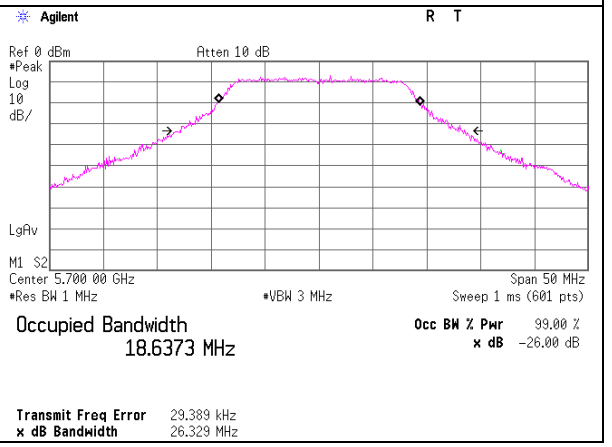
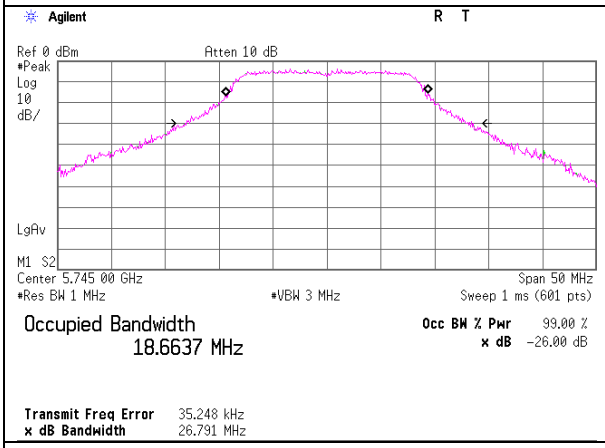


99%Occupied Bandwidth

54Mbps ANT-A

Ch:149



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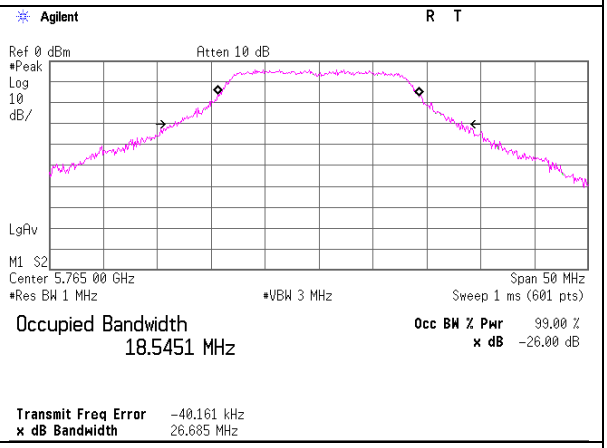

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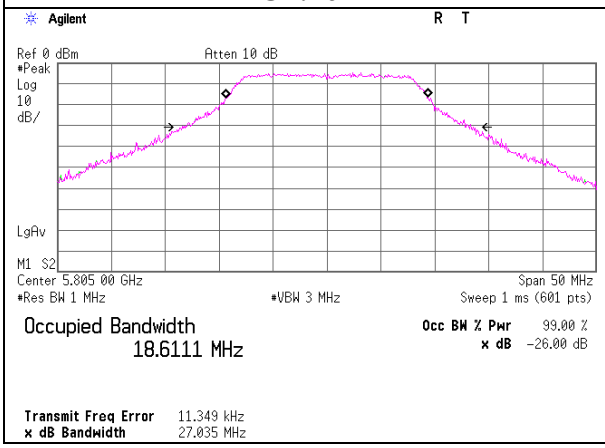

APPENDIX 3:Test instruments

EMI Test Equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2007/02/22 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2007/02/22 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2007/02/01 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2007/02/03 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2007/02/27 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2007/03/05 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2006/01/19 * 24
MBM-07	Barometer	SATO	Aneroid(7610-20)	RE/CE	2006/06/02 * 36
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2007/04/02 * 12
MJM-05	Measure	PROMART	SEN1955	RE/CE	-
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE/CE	2006/11/27 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2007/05/31 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/29 * 12
MHF-10	High Pass Filter 7-30GHz	TOKIMEC	TF37NCCB	RE	2007/06/26 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/02 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE	2006/12/08 * 12
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/03 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE	2007/06/01 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/30 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/12 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE/AT	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE	-
MLDM-02	Digital laser distance meter	BOSCH	DLE 50	RE	2007/06/21 * 36
MMM-01	Digital Tester	Fluke	FLUKE 26-3	RE	2006/08/08 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/10/07 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2006/10/07 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2006/12/27 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2007/02/27 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2006/09/07 * 12

EMI Test Equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MMM-02	Digital Tester	Hioki	3255	RE	2007/03/23 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2007/01/30 * 12
MCC-51	Coaxial cable	UL Japan	-	RE/CE	2007/07/26 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/16 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/19 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MCC-63	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX102	RE	2007/09/04 * 12
MPA-17	Pre Amplifier	UNITEK ELECTROBICS INC.	40GHzAMP	RE	2006/12/15 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2007/03/07 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MCC-37	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	AT	2006/11/13 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24
MMM-10	DIGITAL HiTESTER	Hioki	3805	AT	2007/01/12 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2007/06/20 * 12

The expiration date of the calibration is the end of the expired month.
All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
Test Item:
CE: Conducted emission,
RE: Radiated emission,
AT: Antenna terminal conducted test