APPENDIX 2: Data of EMI test

Conducted Emission
With Cradle, Tx, Ch. Low

DATA OF CONDUCTED EMISSION TEST

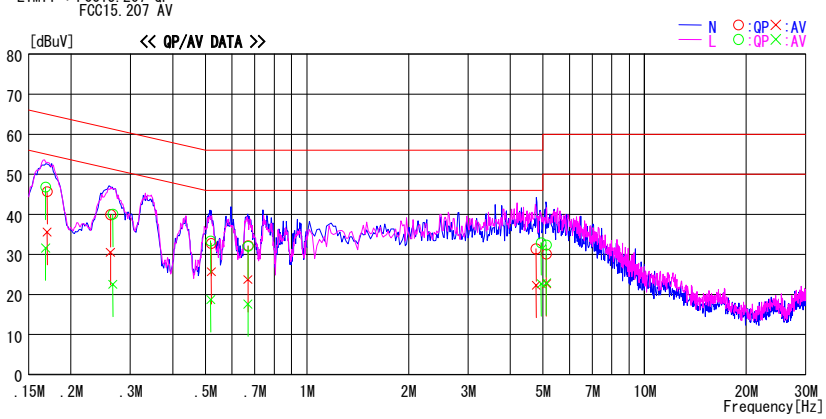
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company : Brother Industries, Ltd.
Kind of EUT : Digital Cordless Handset
Model No. : BCL-D60
Serial No. : 0700138E

Report No. : 28FE0222-HO
Power : AC 120V / 60Hz
Temp./Humi. : 21deg.C / 57%
Operator : Takahiro Hatakeda

Mode / Remarks : Tx, ch:001(5725.809328MHz)

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]	
0.16830	46.5	31.3	0.3	46.8	31.6	65.0	55.0	18.2	23.4	L
0.17000	45.4	35.2	0.3	45.7	35.5	65.0	55.0	19.3	19.5	N
0.26200	39.6	30.2	0.3	39.9	30.5	61.4	51.4	21.5	20.9	N
0.26600	39.7	22.2	0.3	40.0	22.5	61.2	51.2	21.2	28.7	L
0.51860	33.1	18.4	0.3	33.4	18.7	56.0	46.0	22.6	27.3	L
0.52100	32.4	25.4	0.3	32.7	25.7	56.0	46.0	23.3	20.3	N
0.66900	31.8	23.3	0.4	32.2	23.7	56.0	46.0	23.8	22.3	N
0.66900	31.6	17.2	0.4	32.0	17.6	56.0	46.0	24.0	28.4	L
4.77600	30.6	21.5	0.8	31.4	22.3	56.0	46.0	24.6	23.7	N
4.94860	32.0	21.8	0.9	32.9	22.7	56.0	46.0	23.1	23.3	L
5.12130	31.4	22.0	0.9	32.3	22.9	60.0	50.0	27.7	27.1	L
5.12570	29.2	21.8	0.9	30.1	22.7	60.0	50.0	29.9	27.3	N

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

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

Conducted Emission
With Cradle, Tx, Ch. Mid

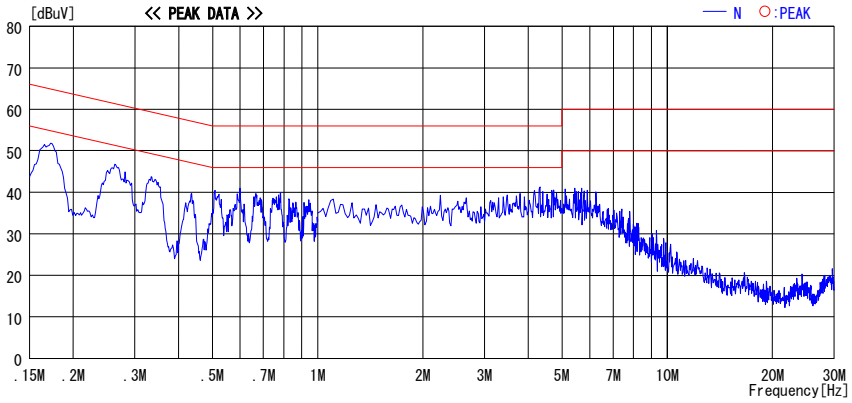
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Digital Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 21deg.C / 57%
Serial No.	: 0700138E	Operator	: Takahiro Hatakeda

Mode / Remarks : Tx, ch:071(5788.240269MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



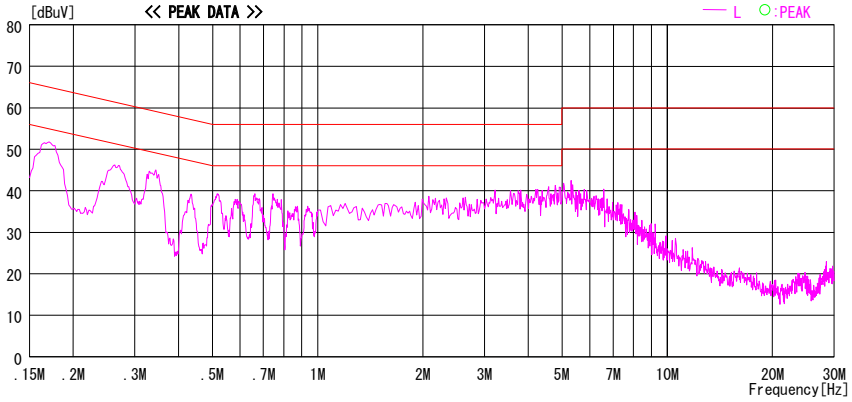


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE
Except for the above table : adequate margin data below the limits.

UL Japan, Inc.
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Conducted Emission
With Cradle, Tx, Ch. High

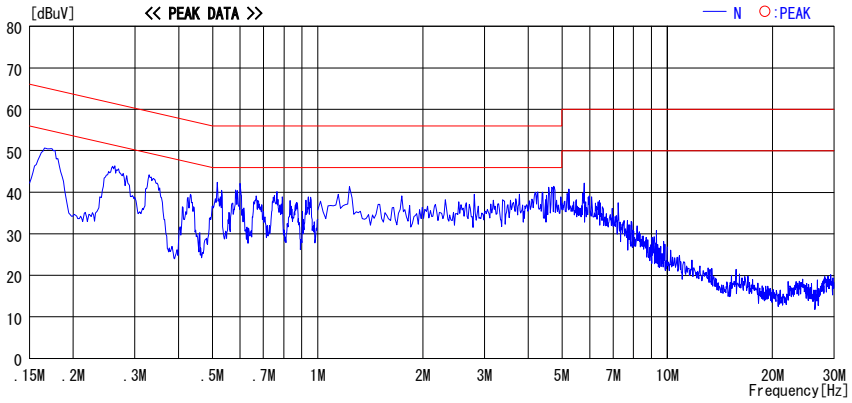
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Digital Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 21deg.C / 57%
Serial No.	: 0700138E	Operator	: Takahiro Hatakeda

Mode / Remarks : Tx, ch:139(5848.889420MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



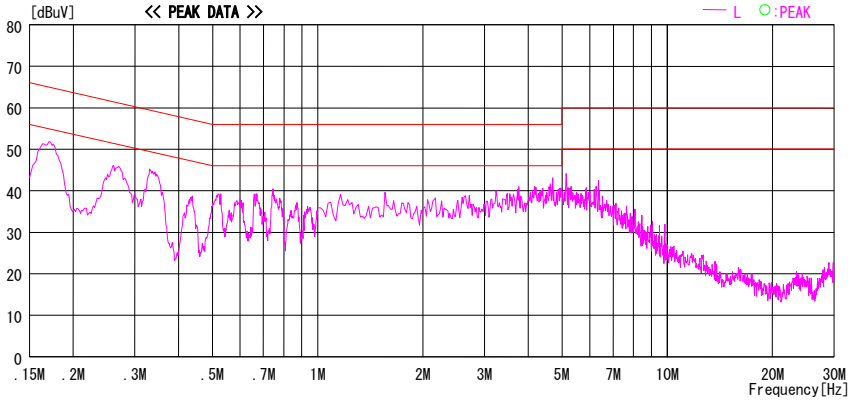


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE
Except for the above table : adequate margin data below the limits.

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Conducted Emission
With Cradle, Rx, Ch. Mid

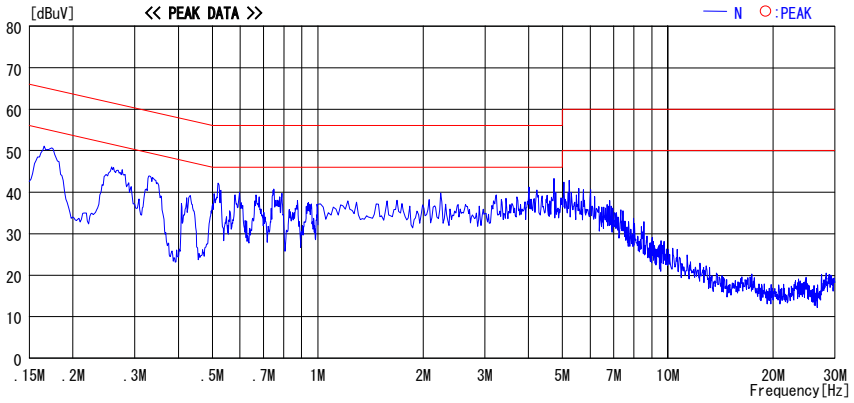
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Digital Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 21deg.C / 57%
Serial No.	: 0700138E	Operator	: Takahiro Hatakeda

Mode / Remarks : Rx, ch:71(5788.240269MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



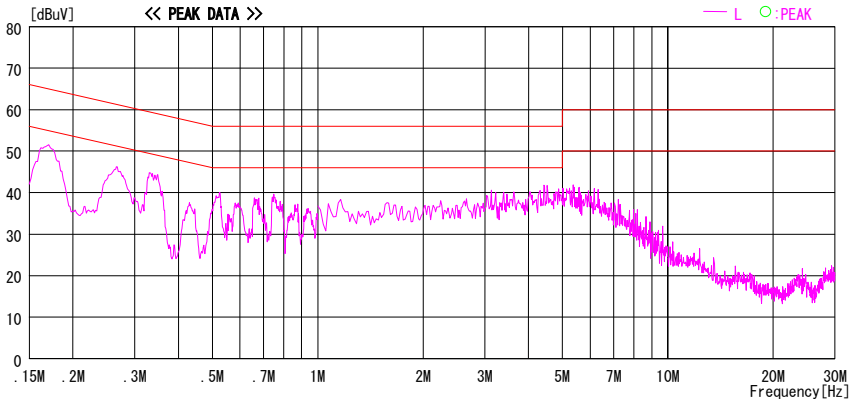


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Conducted Emission
With Multi-Function Center, Tx, Ch. Low

DATA OF CONDUCTED EMISSION TEST

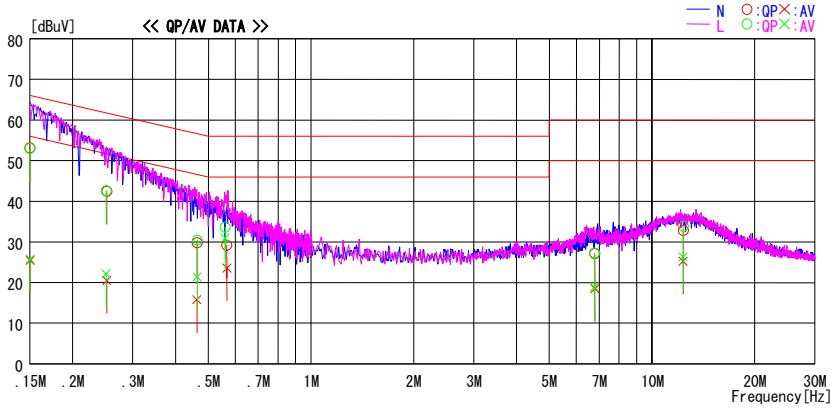
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/03/22

Company : Brother Industries, Ltd.
Kind of EUT : Cordless Handset
Model No. : BCL-D60
Serial No. : 0700138E

Report No. : 28FE0222-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg.C / 32%
Operator : Takayuki Shimada

Mode / Remarks : Tx, ch:001(5725.809328MHz)

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]	
0.15000	52.9	25.1	0.3	53.2	25.4	66.0	56.0	12.8	30.6	N
0.25207	42.1	20.2	0.3	42.4	20.5	61.7	51.7	19.3	31.2	N
0.46301	29.5	15.5	0.3	29.8	15.8	56.6	46.6	26.8	30.8	N
0.56625	28.9	23.3	0.3	29.2	23.6	56.0	46.0	26.8	22.4	N
6.79872	26.3	17.6	0.9	27.2	18.5	60.0	50.0	32.8	31.5	N
12.34029	31.5	24.0	1.3	32.8	25.3	60.0	50.0	27.2	24.7	N
0.15000	52.7	25.4	0.3	53.0	25.7	66.0	56.0	13.0	30.3	L
0.25065	42.3	21.8	0.3	42.6	22.1	61.7	51.7	19.1	29.6	L
0.46408	30.2	21.1	0.3	30.5	21.4	56.6	46.6	26.1	25.2	L
0.56047	33.3	30.6	0.3	33.6	30.9	56.0	46.0	22.4	15.1	L
6.78980	26.4	18.0	0.9	27.3	18.9	60.0	50.0	32.7	31.1	L
12.33942	32.6	25.0	1.3	33.9	26.3	60.0	50.0	26.1	23.7	L

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

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

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Conducted Emission
With Multi-Function Center, Tx, Ch. Mid

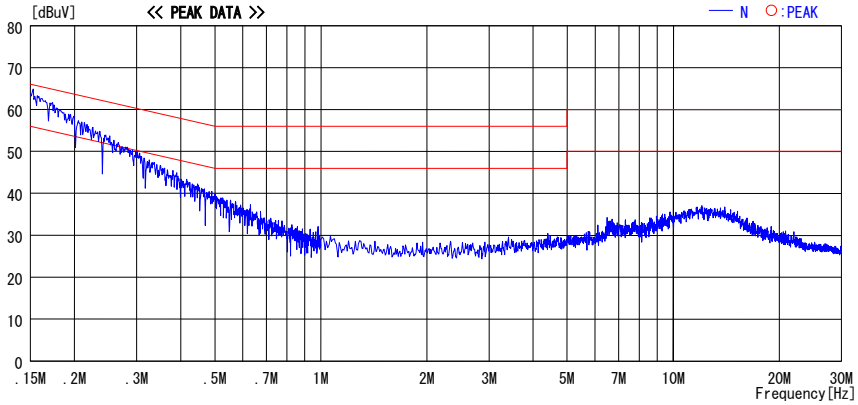
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/03/22

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 24deg.C / 32%
Serial No.	: 0700138E	Operator	: Takayuki Shimada

Mode / Remarks : Tx, ch:071(5788.240269MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



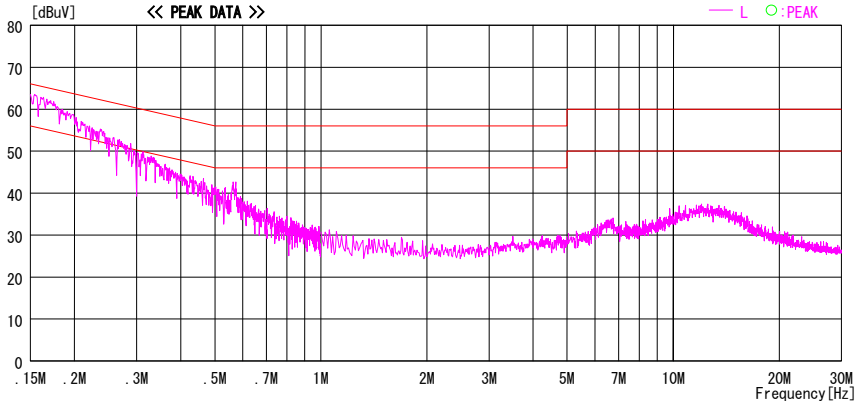


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Conducted Emission
With Multi-Function Center, Tx, Ch. High

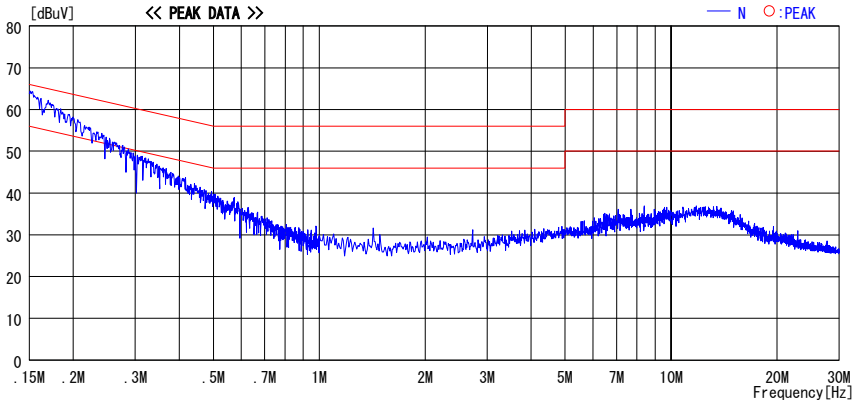
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/03/22

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 24deg.C / 32%
Serial No.	: 0700138E	Operator	: Takayuki Shimada

Mode / Remarks : Tx, ch:139(5848.889420MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



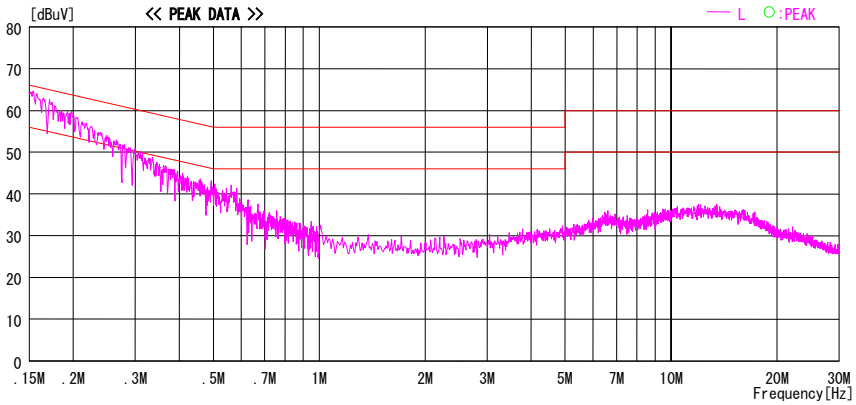


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Conducted Emission
With Multi-Function Center, Rx, Ch. Mid

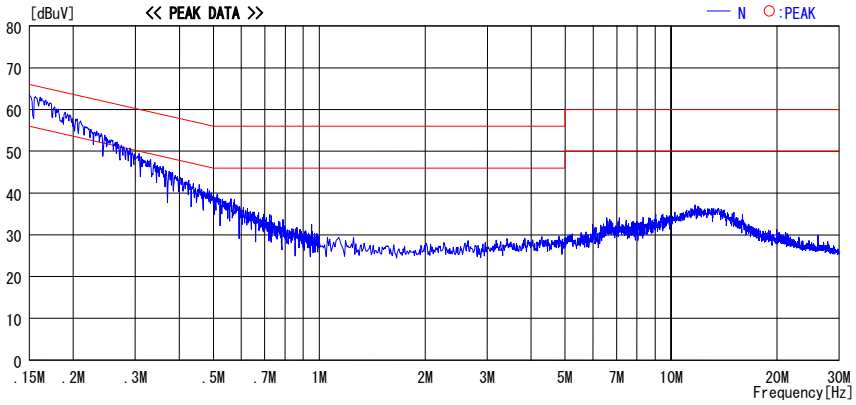
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/03/22

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Cordless Handset	Power	: AC 120V / 60Hz
Model No.	: BCL-D60	Temp./Humi.	: 24deg.C / 32%
Serial No.	: 0700138E	Operator	: Takayuki Shimada

Mode / Remarks : Rx, ch:071(5788.240269MHz)

LIMIT : FCC15.207 QP
FCC15.207 AV



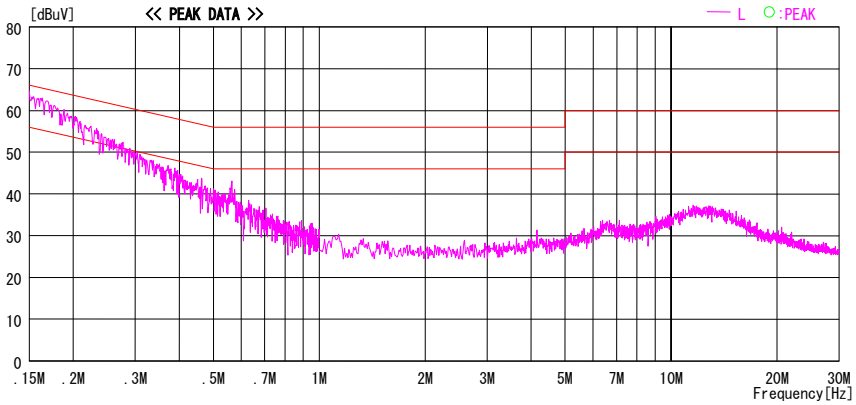


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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Carrier Frequency Separation

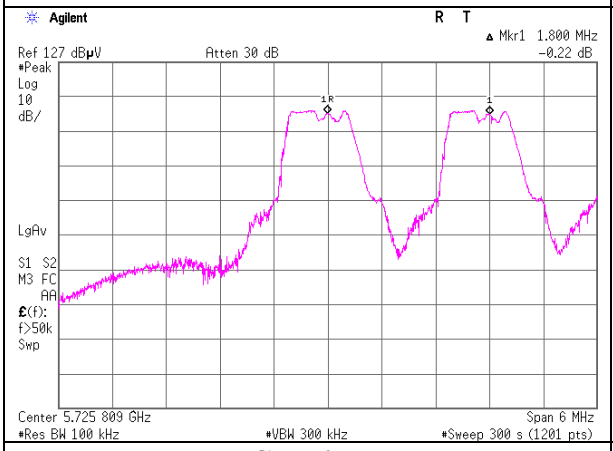
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

COMPANY	: Brother Industries, Ltd.	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(b)
EQUIPMENT	: Digital Cordless Handset	TEST DISTANCE	: -
MODEL	: BCL-D60	DATE	: 04/04/2008
S/ N	: 0700138E	TEMPERATURE	: 28deg.C
POWER	: DC3.6V	HUMIDITY	: 25%
MODE	: Tx (Hopping on)	ENGINEER	: Shinya Watanabe

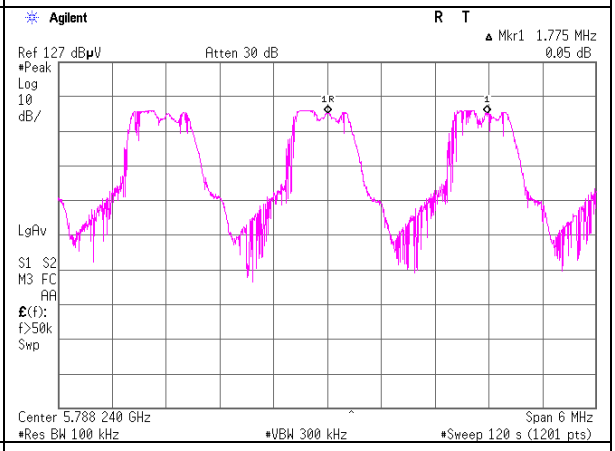
Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	5725.809328	1.800	>20dB Bandwidth(0.774MHz) or 25[kHz](whichever is greater)
Mid	5788.240269	1.775	>20dB Bandwidth(0.729MHz) or 25[kHz](whichever is greater)
High	5848.889420	0.890	>20dB Bandwidth(0.767MHz) or 25[kHz](whichever is greater)

Carrier Frequency Separation

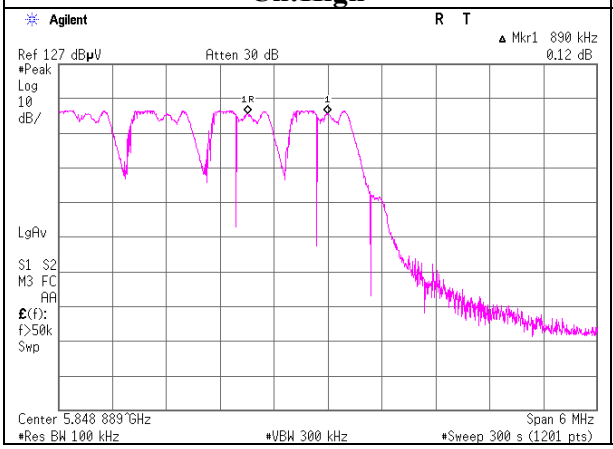
Ch:Low



Ch:Mid



Ch:High



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20dB Bandwidth

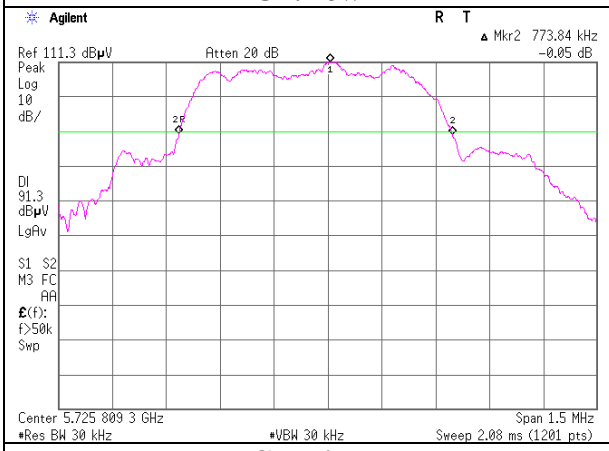
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

COMPANY	: Brother Industries, Ltd.	REGULATION	: FCC15.247(a)(1)(ii)/RSS-210A8.1(a)(e)
EQUIPMENT	: Digital Cordless Handset	TEST DISTANCE	: -
MODEL	: BCL-D60	DATE	: 04/03/2008
S/ N	: 0700138E	TEMPERATURE	: 28deg.C
POWER	: DC3.6V	HUMIDITY	: 25%
MODE	: Tx (Hopping off)	ENGINEER	: Shinya Watanabe

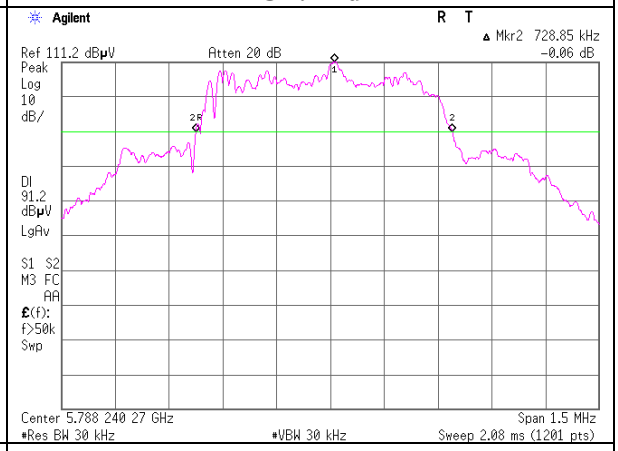
Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	5725.809328	0.774	≦1
Mid	5788.240269	0.729	≦1
High	5848.889420	0.767	≦1

20dB Bandwidth

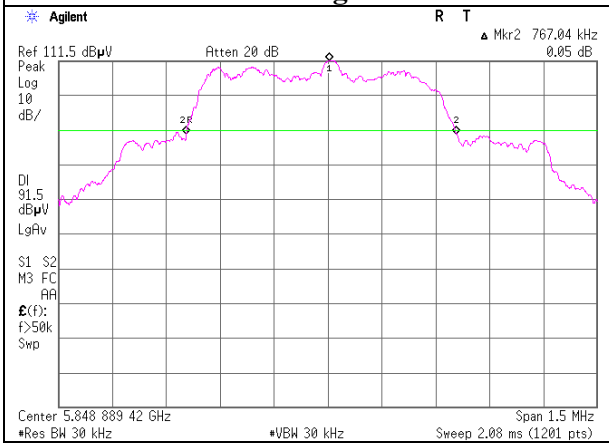
Ch:Low



Ch:Mid



Ch:High



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Number of Hopping Frequency

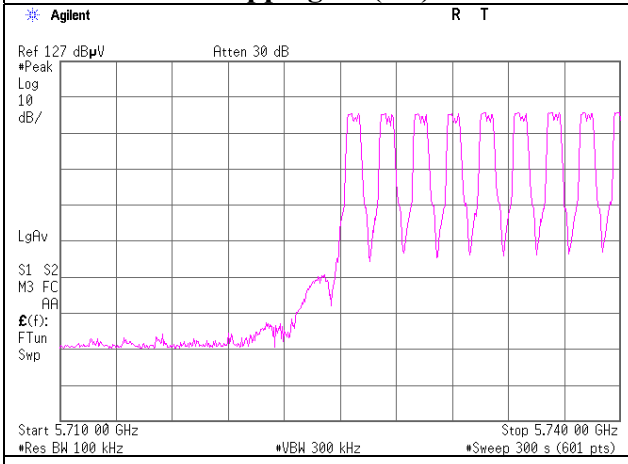
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

COMPANY	: Brother Industries, Ltd.	REGULATION	: FCC15.247(a)(1)(ii)/RSS-210A8.1(e)
EQUIPMENT	: Digital Cordless Handset	TEST DISTANCE	: -
MODEL	: BCL-D60	DATE	: 04/04/2008
S/ N	: 0700138E	TEMPERATURE	: 28deg.C
POWER	: DC3.6V	HUMIDITY	: 25%
MODE	: Tx(Hopping on)	ENGINEER	: Shinya Watanabe

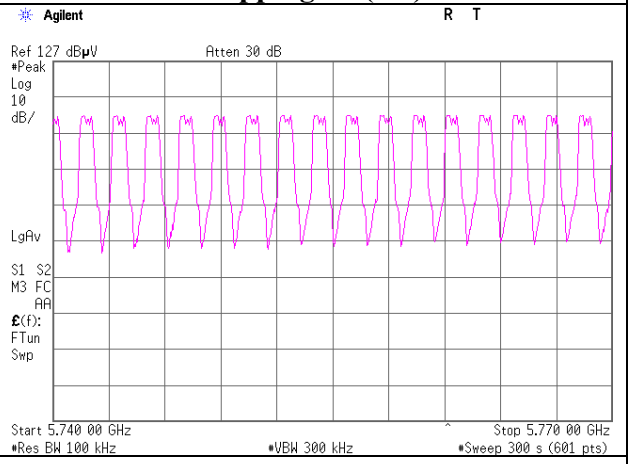
Mode	Number of channel [time]	Limit [time]
Tx(Hopping on)	75	≧15

Number of Hopping Frequency

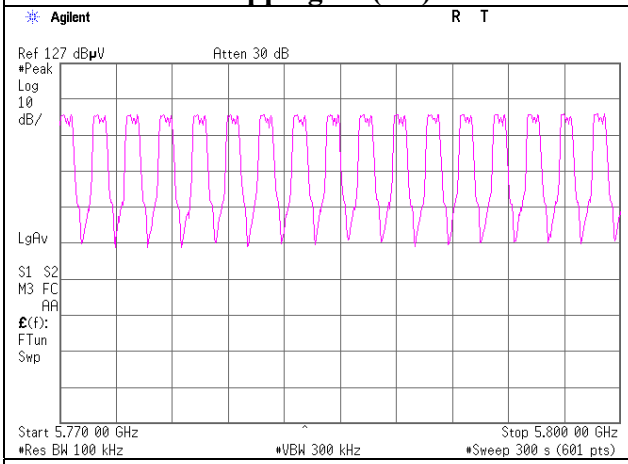
Hopping on (1/5)



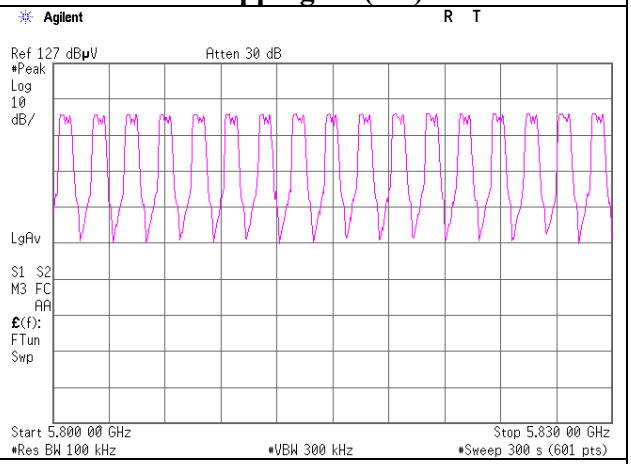
Hopping on (2/5)



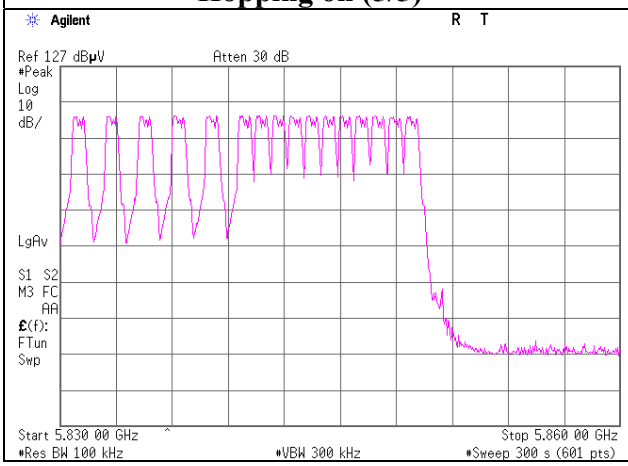
Hopping on (3/5)



Hopping on (4/5)



Hopping on (5/5)



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Dwell time

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

COMPANY	: Brother Industries, Ltd.	REGULATION	: FCC15.247(a)(1)(ii)/RSS-210A8.1(e)
EQUIPMENT	: Digital Cordless Handset	TEST DISTANCE	: -
MODEL	: BCL-D60	DATE	: 04/04/2008
S/ N	: 0700138E	TEMPERATURE	: 28deg.C
POWER	: DC3.6V	HUMIDITY	: 25%
MODE	: Tx(Hopping on)	ENGINEER	: Shinya Watanabe

Mode	Number of transmission in a 30.0(75 Hopping x 0.4)	Length of transmission time [msec]	Result [msec]	Limit [msec]
Hopping on (M-ch)	65 times	1.038	68	400

※ Average of 5h test

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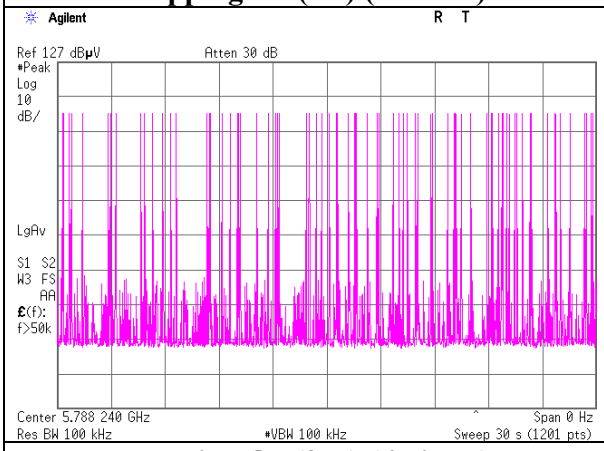
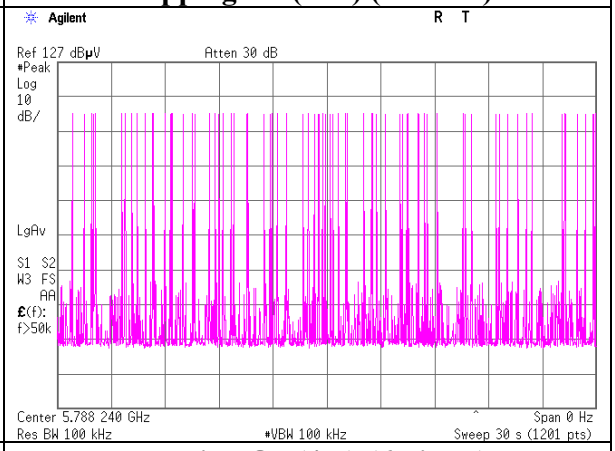
Dwell time

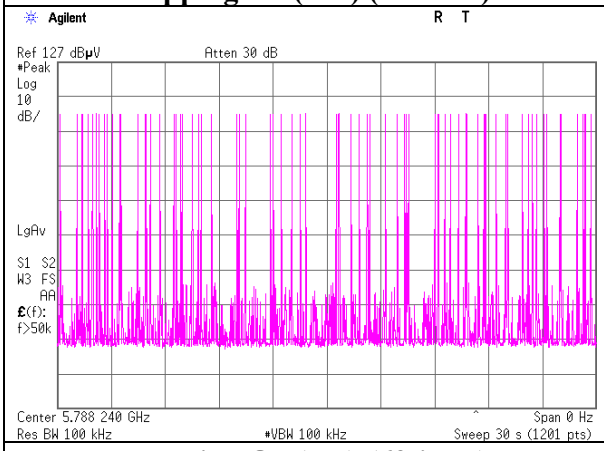
Hopping ON(1st) (65times)



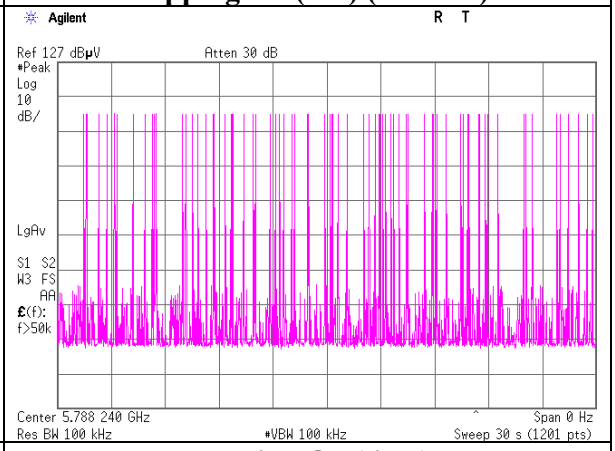
Hopping ON(2nd) (65times)



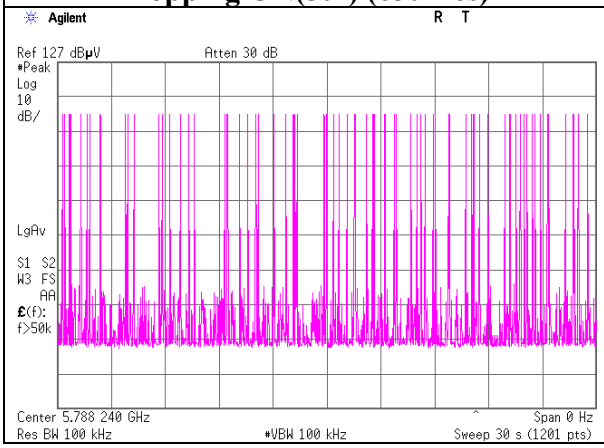
Hopping ON(3rd) (65times)



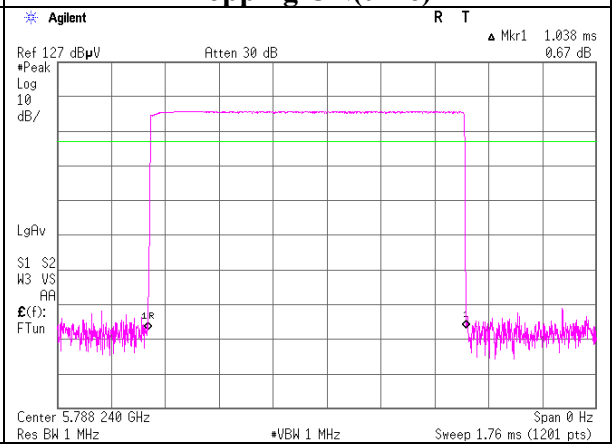
Hopping ON(4th) (65times)



Hopping ON(5th) (63times)



Hopping ON(time)



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Maximum Peak Output Power

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

COMPANY	: Brother Industries, Ltd.	REGULATION	: FCC15.247(b)(1)/RSS-210A8.4(3)
EQUIPMENT	: Digital Cordless Handset	TEST DISTANCE	: -
MODEL	: BCL-D60	DATE	: 04/03/2008
S/ N	: 0700138E	TEMPERATURE	: 28deg.C
POWER	: DC3.6V	HUMIDITY	: 25%
MODE	: Tx(Hopping off)	ENGINEER	: Shinya Watanabe

Ch	Freq.	P/M Reading	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Low (ch1)	5725.809328	6.80	0.34	10.22	17.36	54.45	30.00	1000	12.64
Mid (ch71)	5788.240269	7.48	0.35	10.23	18.06	63.97	30.00	1000	11.94
High (ch139)	5848.889420	7.74	0.37	10.24	18.35	68.39	30.00	1000	11.65

Sample Calculation:
Result = Reading + Cable Loss (supplied by customer)+ Attenuator
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Radiated Spurious Emission (below 1GHz)
Tx, Ch. Low

DATA OF RADIATED EMISSION TEST

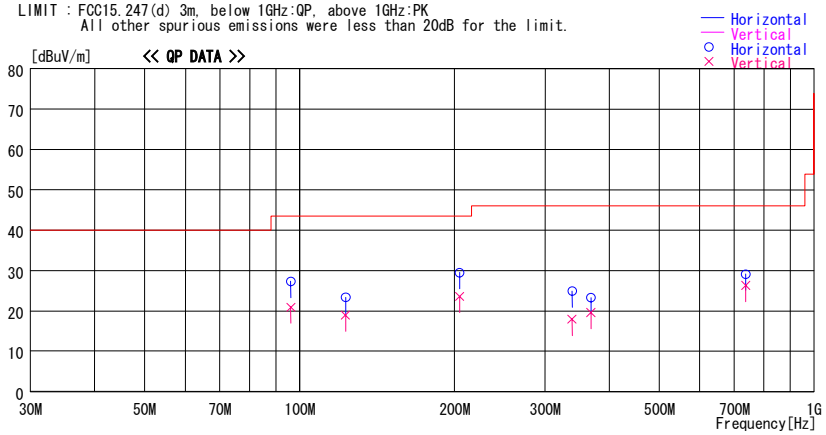
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company : Brother Industries, Ltd.
Kind of EUT : Digital Cordless Handset
Model No. : BCL-D60
Serial No. : 0700138E

Report No. : 28FE0222-HO
Power : DC 3.6V
Temp./Humi. : 21deg.C. / 57%
Operator : Takahiro Hatakeda

Mode / Remarks : Tx ch1_5725.809328 / Max-axis(H:Z/V:Y)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
96.257	39.1	QP	9.3	-21.1	27.3	256	314	Hori.	43.5	16.2
96.258	32.7	QP	9.3	-21.1	20.9	352	324	Vert.	43.5	22.6
122.881	32.0	QP	12.2	-20.8	23.4	69	302	Hori.	43.5	20.1
122.882	27.6	QP	12.2	-20.8	19.0	355	269	Vert.	43.5	24.5
204.800	32.6	QP	16.6	-19.7	29.5	135	176	Hori.	43.5	14.0
204.800	26.7	QP	16.6	-19.7	23.6	0	100	Vert.	43.5	19.9
338.681	21.4	QP	15.6	-19.1	17.9	351	144	Vert.	46.0	28.1
338.682	28.4	QP	15.6	-19.1	24.9	5	100	Hori.	46.0	21.1
368.643	25.9	QP	16.5	-19.1	23.3	346	100	Hori.	46.0	22.7
368.647	22.2	QP	16.5	-19.1	19.6	90	109	Vert.	46.0	26.4
737.280	25.9	QP	21.1	-17.9	29.1	359	117	Hori.	46.0	16.9
737.282	23.1	QP	21.1	-17.9	26.3	195	100	Vert.	46.0	19.7

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

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

Radiated Spurious Emission (below 1GHz)
Tx, Ch. Mid

DATA OF RADIATED EMISSION TEST

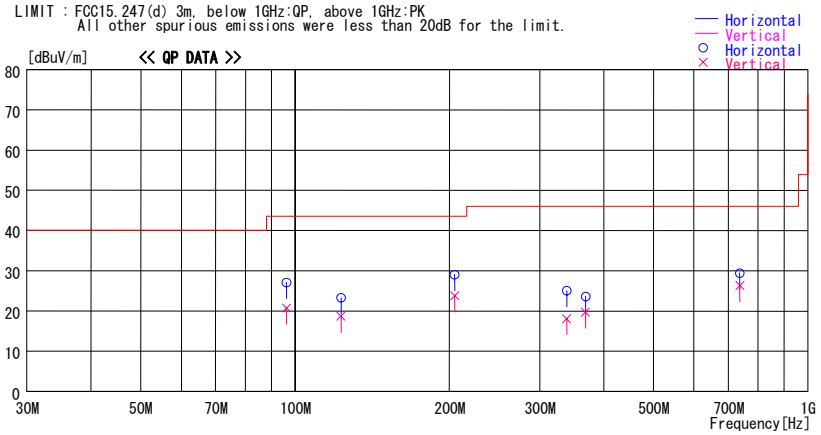
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company : Brother Industries, Ltd.
Kind of EUT : Digital Cordless Handset
Model No. : BCL-D60
Serial No. : 0700138E

Report No. : 28FE0222-HO
Power : DC 3.6V
Temp./Humi. : 21deg.C. / 57%
Operator : Takahiro Hatakeda

Mode / Remarks : Tx ch71_5788.240269MHz / Max-axis(H:Z/V:Y)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
96.255	38.9	QP	9.3	-21.1	27.1	244	311	Hori.	43.5	16.4
96.256	32.5	QP	9.3	-21.1	20.7	359	329	Vert.	43.5	22.8
122.882	27.3	QP	12.2	-20.8	18.7	359	277	Vert.	43.5	24.8
122.883	31.9	QP	12.2	-20.8	23.3	59	310	Hori.	43.5	20.2
204.801	26.9	QP	16.6	-19.7	23.8	0	100	Vert.	43.5	19.7
204.802	32.1	QP	16.6	-19.7	29.0	141	159	Hori.	43.5	14.5
338.680	21.6	QP	15.6	-19.1	18.1	359	139	Vert.	46.0	27.9
338.682	28.6	QP	15.6	-19.1	25.1	359	100	Hori.	46.0	20.9
368.641	26.2	QP	16.5	-19.1	23.6	339	100	Hori.	46.0	22.4
368.646	22.3	QP	16.5	-19.1	19.7	92	113	Vert.	46.0	26.3
737.282	26.2	QP	21.1	-17.9	29.4	359	121	Hori.	46.0	16.6
737.282	23.1	QP	21.1	-17.9	26.3	189	100	Vert.	46.0	19.7

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

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

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Radiated Spurious Emission (below 1GHz)
Tx, Ch. High

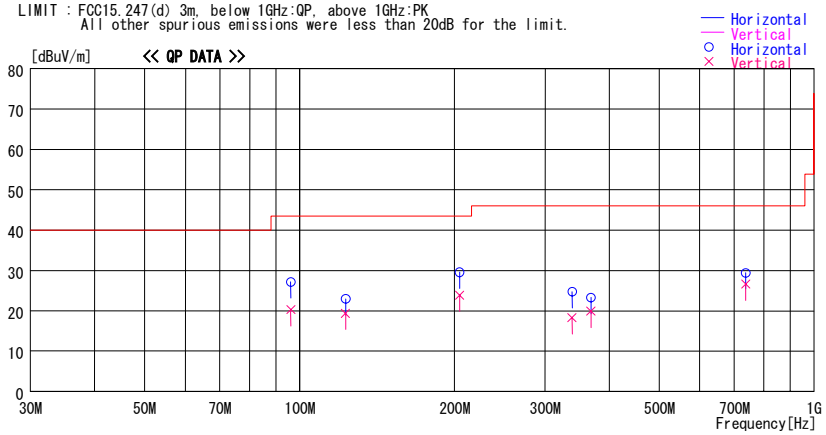
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company	: Brother Industries, Ltd.	Report No.	: 28FE0222-HO
Kind of EUT	: Digital Cordless Handset	Power	: DC 3.6V
Model No.	: BCL-D60	Temp./Humi.	: 21deg.C. / 57%
Serial No.	: 0700138E	Operator	: Takahiro Hatakeda

Mode / Remarks : Tx ch139_5848.889420MHz / Max-axis(H:Z/V:Y)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
96.256	39.0	QP	9.3	-21.1	27.2	266	311	Hori.	43.5	16.3
96.257	32.1	QP	9.3	-21.1	20.3	355	322	Vert.	43.5	23.2
122.881	31.6	QP	12.2	-20.8	23.0	72	298	Hori.	43.5	20.5
122.883	28.0	QP	12.2	-20.8	19.4	359	277	Vert.	43.5	24.1
204.801	32.7	QP	16.6	-19.7	29.6	129	165	Hori.	43.5	13.9
204.801	27.0	QP	16.6	-19.7	23.9	0	100	Vert.	43.5	19.6
338.680	21.8	QP	15.6	-19.1	18.3	349	139	Vert.	46.0	27.7
338.682	28.2	QP	15.6	-19.1	24.7	0	100	Hori.	46.0	21.3
368.644	25.9	QP	16.5	-19.1	23.3	341	100	Hori.	46.0	22.7
368.645	22.5	QP	16.5	-19.1	19.9	82	115	Vert.	46.0	26.1
737.281	26.2	QP	21.1	-17.9	29.4	359	119	Hori.	46.0	16.6
737.282	23.4	QP	21.1	-17.9	26.6	182	100	Vert.	46.0	19.4

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

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

Radiated Spurious Emission (below 1GHz)
Rx, Ch. Mid

DATA OF RADIATED EMISSION TEST

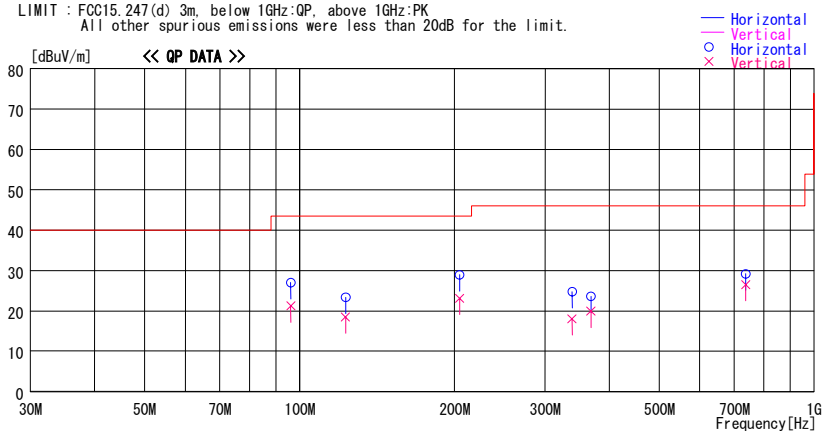
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/24

Company : Brother Industries, Ltd.
Kind of EUT : Digital Cordless Handset
Model No. : BCL-D60
Serial No. : 0700138E

Report No. : 28FE0222-HO
Power : DC 3.6V
Temp./Humi. : 21deg.C. / 57%
Operator : Takahiro Hatakeda

Mode / Remarks : Rx ch71_5788.240269MHz / Max-axis(H:Z/V:Y)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
96.254	38.8	QP	9.3	-21.1	27.0	231	309	Hori.	43.5	16.5
96.255	33.0	QP	9.3	-21.1	21.2	359	333	Vert.	43.5	22.3
122.880	32.0	QP	12.2	-20.8	23.4	61	322	Hori.	43.5	20.1
122.881	27.1	QP	12.2	-20.8	18.5	359	265	Vert.	43.5	25.0
204.801	32.0	QP	16.6	-19.7	28.9	152	143	Hori.	43.5	14.6
204.801	26.2	QP	16.6	-19.7	23.1	0	100	Vert.	43.5	20.4
338.681	28.2	QP	15.6	-19.1	24.7	359	100	Hori.	46.0	21.3
338.682	21.5	QP	15.6	-19.1	18.0	359	139	Vert.	46.0	28.0
368.644	26.2	QP	16.5	-19.1	23.6	331	100	Hori.	46.0	22.4
368.646	22.5	QP	16.5	-19.1	19.9	88	111	Vert.	46.0	26.1
737.281	26.0	QP	21.1	-17.9	29.2	359	121	Hori.	46.0	16.8
737.282	23.3	QP	21.1	-17.9	26.5	181	100	Vert.	46.0	19.5

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)

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

Radiated Spurious Emission (above 1GHz)

Tx, Ch. Low

UL Japan, Inc.
Head Office EMC Lab. No.2 & 3 Semi Anechoic Chamber

Company	: Brother Industries, Ltd.	REPORT NO	: 28FE0222-HO		
Equipment	: Digital Cordless Handset	REGULATION	: FCC15.247(d)/RSS-210A8.5		
Model	: BCL-D60	TEST DISTANCE	: 3/1/0.5m		
Sample No.	: 0700138E	DATE	: 3/22/2008	: 3/24/2008	
Power	: DC 3.6V	TEMPERATURE	: 24deg.C	: 21deg.C	
Mode	: Tx 5725.809328MHz	HUMIDITY	: 32%	: 57%	
Remarks	: Worst axis Hori: Z-axis, Vert: Y-axis	ENGINEER	: Takayuki Shimada	: Takahiro Hatakeda	

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	2400.0	49.2	49.5	27.3	31.5	2.7	0.0	47.7	48.0	73.9	26.2	25.9
2	4800.0	54.7	52.7	31.5	30.8	3.3	0.0	58.7	56.7	73.9	15.2	17.2
3	5177.4	55.0	51.8	31.9	30.7	3.4	0.0	59.6	56.4	73.9	14.3	17.5
4*	5725.0	110.3	107.8	-	-	-	-	-	-	73.9	-	-
5	6103.1	55.7	55.6	33.0	30.7	3.9	0.0	61.9	61.8	73.9	12.0	12.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	11453.3	53.3	50.7	39.8	30.6	8.1	1.0	62.1	59.5	73.9	11.8	14.4
7*	17173.2	58.5	58.9	-	-	-	-	-	-	73.9	-	-
8	22903.2	44.4	44.3	40.6	29.9	11.2	0.0	56.8	56.7	73.9	17.1	17.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
9	28629.1	39.7	39.4	43.6	25.0	14.7	0.0	57.4	57.1	73.9	16.5	16.8
10	34354.9	39.8	39.5	43.3	25.2	16.4	0.0	58.7	58.4	73.9	15.2	15.5

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	2400.0	34.9	35.0	27.3	31.5	2.7	0.0	33.4	33.5	53.9	20.5	20.4
2	4800.0	35.0	34.5	31.5	30.8	3.3	0.0	39.0	38.5	53.9	14.9	15.4
3	5177.4	34.7	34.1	31.9	30.7	3.4	0.0	39.3	38.7	53.9	14.6	15.2
4*	5725.0	42.2	41.6	-	-	-	-	-	-	53.9	-	-
5	6103.1	34.7	34.6	33.0	30.7	3.9	0.0	40.9	40.8	53.9	13.0	13.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	11453.3	34.8	33.0	39.8	30.6	8.1	1.0	43.6	41.8	53.9	10.3	12.1
7*	17173.2	31.6	32.8	-	-	-	-	-	-	53.9	-	-
8	22903.2	30.3	30.3	40.6	29.9	11.2	0.0	42.7	42.7	53.9	11.2	11.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
9	28629.1	22.3	22.5	43.6	25.0	14.7	0.0	40.0	40.2	53.9	13.9	13.7
10	34354.9	26.2	26.2	43.3	25.2	16.4	0.0	45.1	45.1	53.9	8.8	8.8

* Reference data

20dBc(Fundamental 5725.809328MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	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 + Filter Loss												
0	5725.8	113.3	113.9	32.4	30.6	3.7	0.0	118.8	119.4	-	-	-
4	5725.0	82.7	79.3	32.4	30.6	3.7	0.0	88.2	84.8	Funda-20dB	10.6	14.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	17173.2	54.0	49.9	41.5	29.6	10.0	1.1	67.5	63.4	Funda-20dB	31.3	36.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)

Tx, Ch. Mid

UL Japan, Inc.
Head Office EMC Lab. No.2 & 3 Semi Anechoic Chamber

Company	: Brother Industries, Ltd.	REPORT NO	: 28FE0222-HO		
Equipment	: Digital Cordless Handset	REGULATION	: FCC15.247(d)/RSS-210A8.5		
Model	: BCL-D60	TEST DISTANCE	: 3/1/0.5m		
Sample No.	: 0700138E	DATE	: 3/22/2008	: 3/24/2008	
Power	: DC3.6V	TEMPERATURE	: 24deg.C	: 21deg.C	
Mode	: Tx 5788.240269MHz	HUMIDITY	: 32%	: 57%	
Remarks	: Worst axis Hori: Z-axis, Vert: Y-axis	ENGINEER	: Takayuki Shimada	: Takahiro Hatakeda	

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	2428.5	49.1	49.0	27.4	31.5	2.7	0.0	47.7	47.6	73.9	26.2	26.3
2	4857.1	55.3	54.7	31.6	30.7	3.3	0.0	59.5	58.9	73.9	14.4	15.0
3	5221.9	56.3	56.1	32.0	30.7	3.5	0.0	61.1	60.9	73.9	12.8	13.0
4	6153.0	52.8	53.9	33.2	30.7	4.0	0.0	59.3	60.4	73.9	14.6	13.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11576.5	53.4	47.5	39.6	30.6	8.2	1.0	62.1	56.2	73.9	11.8	17.7
6*	17364.7	58.1	55.1	-	-	-	-	-	-	73.9	-	-
7	23153.0	42.9	42.8	40.5	29.9	11.2	0.0	55.2	55.1	73.9	18.7	18.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	28941.2	37.7	36.7	43.7	25.0	14.7	0.0	55.5	54.5	73.9	18.4	19.4
9	34729.4	40.6	40.9	43.2	25.1	16.5	0.0	59.6	59.9	73.9	14.3	14.0

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	2428.5	34.9	34.7	27.4	31.5	2.7	0.0	33.5	33.3	53.9	20.4	20.6
2	4857.1	35.3	35.0	31.6	30.7	3.3	0.0	39.5	39.2	53.9	14.4	14.7
3	5221.9	35.3	35.5	32.0	30.7	3.5	0.0	40.1	40.3	53.9	13.8	13.6
4	6153.0	34.6	34.7	33.2	30.7	4.0	0.0	41.1	41.2	53.9	12.8	12.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	11576.5	29.3	28.6	39.6	30.6	8.2	1.0	38.0	37.3	53.9	15.9	16.6
6*	17364.7	33.2	31.5	-	-	-	-	-	-	53.9	-	-
7	23153.0	29.7	29.7	40.5	29.9	11.2	0.0	42.0	42.0	53.9	11.9	11.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	28941.2	22.1	21.5	43.7	25.0	14.7	0.0	39.9	39.3	53.9	14.0	14.6
9	34729.4	26.6	26.6	43.2	25.1	16.5	0.0	45.6	45.6	53.9	8.3	8.3

* Reference data

20dBc(Fundamental 5788.240269MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	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 + Filter Loss												
0	5788.2	112.9	113.8	32.4	30.6	3.8	0.0	118.5	119.4	-	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	17364.7	56.7	53.3	43.3	29.6	9.9	1.2	72.0	68.6	Funda-20dB	26.5	30.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)

Tx, Ch. High

UL Japan, Inc.
Head Office EMC Lab. No.2 & 3 Semi Anechoic Chamber

Company	: Brother Industries, Ltd.	REPORT NO	: 28FE0222-HO		
Equipment	: Digital Cordless Handset	REGULATION	: FCC15.247(d)/RSS-210A8.5		
Model	: BCL-D60	TEST DISTANCE	: 3/1/0.5m		
Sample No.	: 0700138E	DATE	: 3/22/2008	: 3/24/2008	
Power	: DC3.6V	TEMPERATURE	: 24deg.C	: 21deg.C	
Mode	: Tx 5848.889420MHz	HUMIDITY	: 32%	: 57%	
Remarks	: Worst axis Hori: Z-axis, Vert: Y-axis	ENGINEER	: Takayuki Shimada	: Takahiro Hatakeda	

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	2489.2	49.1	48.3	27.4	31.5	2.7	0.0	47.7	46.9	73.9	26.2	27.0
2	4978.4	54.9	55.6	31.8	30.7	3.3	0.0	59.3	60.0	73.9	14.6	13.9
3	5433.3	52.4	52.7	32.1	30.7	3.6	0.0	57.4	57.7	73.9	16.5	16.2
4*	5850.0	92.8	93.6	-	-	-	-	-	-	73.9	-	-
5	6719.3	59.5	60.3	34.9	31.1	4.3	0.0	67.6	68.4	73.9	6.3	5.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	11697.8	51.7	49.8	39.3	30.6	8.3	1.1	60.3	58.4	73.9	13.6	15.5
7*	17546.7	58.5	52.5	-	-	-	-	-	-	73.9	-	-
8	23395.6	43.8	43.8	40.3	29.9	11.1	0.0	55.8	55.8	73.9	18.1	18.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
9	29244.5	38.0	35.0	43.7	24.9	14.8	0.0	56.0	53.0	73.9	17.9	20.9
10	35093.3	40.2	40.3	43.1	25.0	16.6	0.0	59.3	59.4	73.9	14.6	14.5

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	2489.2	37.0	33.8	27.4	31.5	2.7	0.0	35.6	32.4	53.9	18.3	21.5
2	4978.4	34.5	34.5	31.8	30.7	3.3	0.0	38.9	38.9	53.9	15.0	15.0
3	5433.3	34.0	34.2	32.1	30.7	3.6	0.0	39.0	39.2	53.9	14.9	14.7
4*	5850.0	38.8	39.2	-	-	-	-	-	-	53.9	-	-
5	6719.3	36.9	37.0	34.9	31.1	4.3	0.0	45.0	45.1	53.9	8.9	8.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	11697.8	29.8	29.1	39.3	30.6	8.3	1.1	38.4	37.7	53.9	15.5	16.2
7*	17546.7	31.6	30.9	-	-	-	-	-	-	53.9	-	-
8	23395.6	30.6	31.0	40.3	29.9	11.1	0.0	42.6	43.0	53.9	11.3	10.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
9	29244.5	21.8	21.4	43.7	24.9	14.8	0.0	39.8	39.4	53.9	14.1	14.5
10	35093.3	27.2	27.3	43.1	25.0	16.6	0.0	46.3	46.4	53.9	7.6	7.5

* Reference data

20dBc(Fundamental 5848.889420MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	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 + Filter Loss												
0	5848.9	112.1	113.3	32.5	30.6	3.8	0.0	117.8	119.0	-	-	-
4	5850.0	64.3	65.6	32.5	30.6	3.8	0.0	70.0	71.3	Funda-20dB	27.8	27.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	17546.7	57.4	50.1	45.0	29.6	9.8	1.2	74.3	67.0	Funda-20dB	23.5	32.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)

Rx, Ch. Mid

UL Japan, Inc.
Head Office EMC Lab. No.2 & 3 Semi Anechoic Chamber

Company	: Brother Industries, Ltd.	REPORT NO	: 28FE0222-HO	
Equipment	: Digital Cordless Handset	REGULATION	: FCC15.247(d)/RSS-210A8.5	
Model	: BCL-D60	TEST DISTANCE	: 3/1/0.5m	
Sample No.	: 0700138E	DATE	: 3/22/2008	: 3/24/2008
Power	: DC3.6V	TEMPERATURE	: 24deg.C	: 21deg.C
Mode	: Rx 5788.240269MHz	HUMIDITY	: 32%	: 57%
Remarks	: Worst axis Hori: Z-axis, Vert: Y-axis	ENGINEER	: Takayuki Shimada	: Takahiro Hatakeda

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	2422.1	46.4	43.8	27.4	31.5	2.7	0.0	45.0	42.4	73.9	28.9	31.5
2	3364.1	47.9	44.1	28.7	31.1	3.0	0.0	48.5	44.7	73.9	25.4	29.2
3	5788.2	39.2	39.1	32.4	30.6	3.8	0.0	44.8	44.7	73.9	29.1	29.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	17364.7	43.7	43.7	43.3	29.6	9.1	0.0	57.0	57.0	73.9	16.9	16.9

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

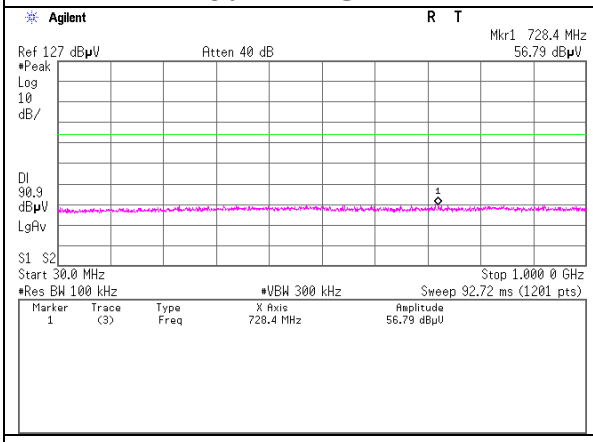
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2422.1	39.5	33.5	27.4	31.5	2.7	0.0	38.1	32.1	53.9	15.8	21.8
2	3364.1	36.4	34.7	28.7	31.1	3.0	0.0	37.0	35.3	53.9	16.9	18.6
3	5788.2	25.5	25.5	32.4	30.6	3.8	0.0	31.1	31.1	53.9	22.8	22.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	17364.7	29.8	29.7	43.3	29.6	9.1	0.0	43.1	43.0	53.9	10.8	10.9

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

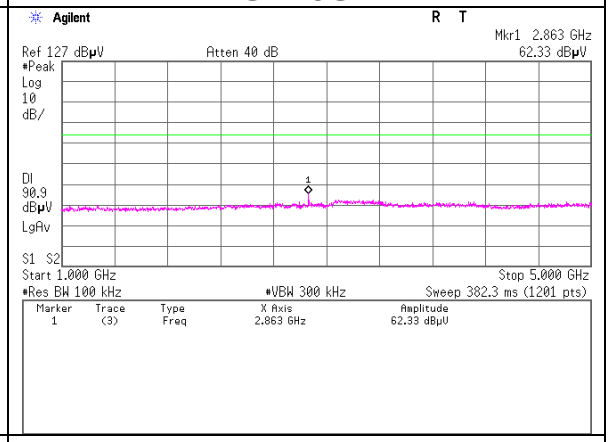
Conducted Spurious Emission

Tx, Ch:Low

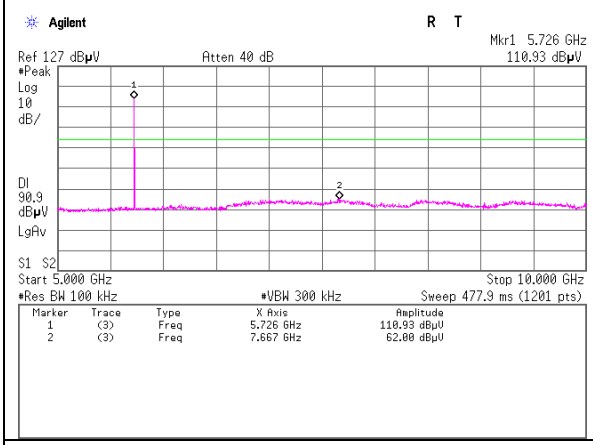
30MHz-1GHz



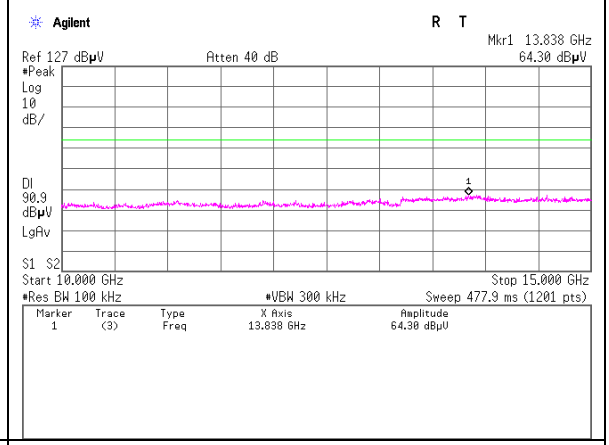
1GHz-5GHz



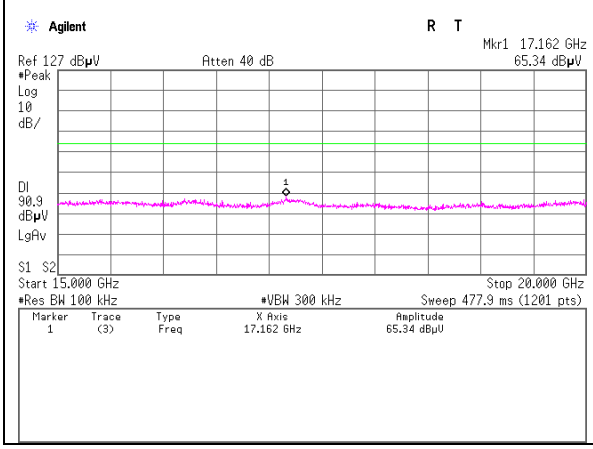
5GHz-10GHz



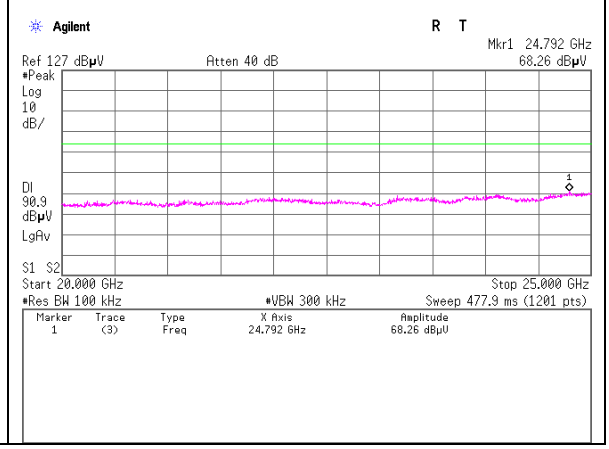
10GHz-15GHz



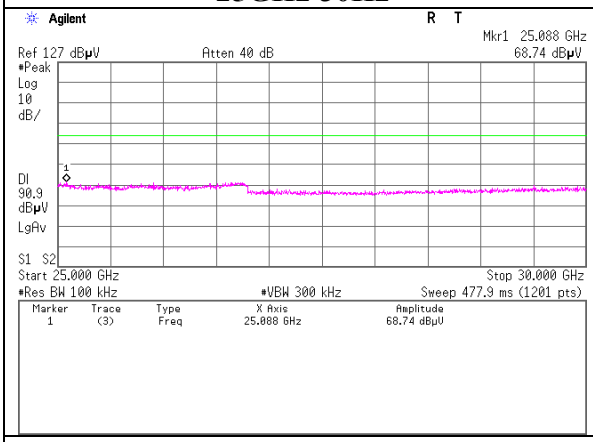
15GHz-20GHz



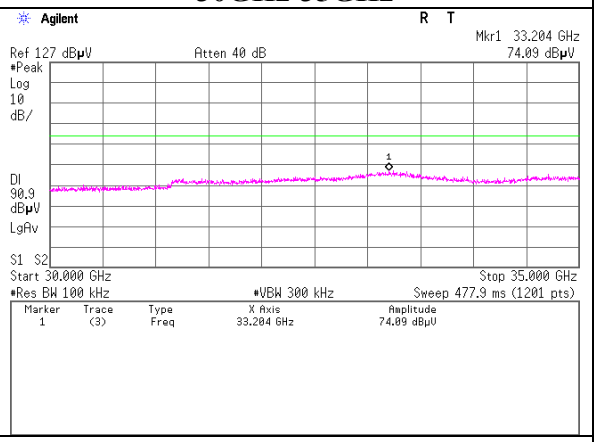
20GHz-25GHz



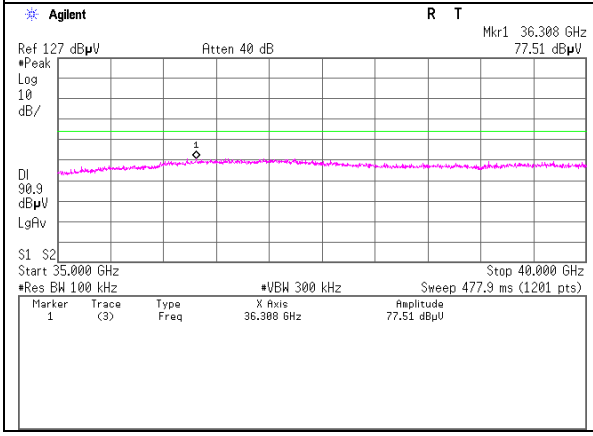
25GHz-30Hz



30GHz-35GHz



35GHz-40GHz



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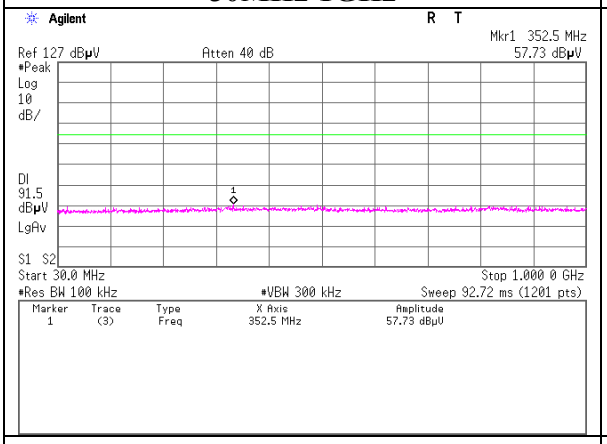
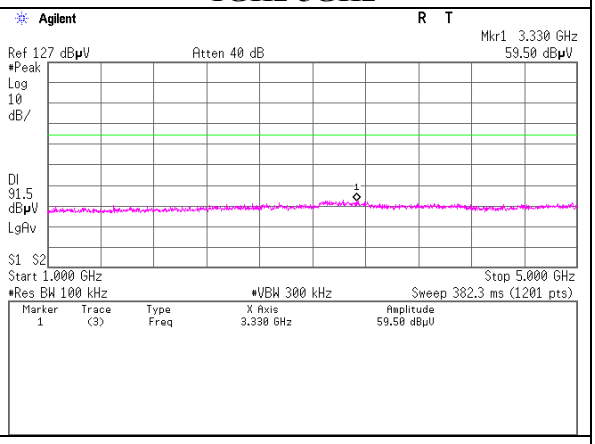
Conducted Spurious Emission

Tx, Ch:Mid

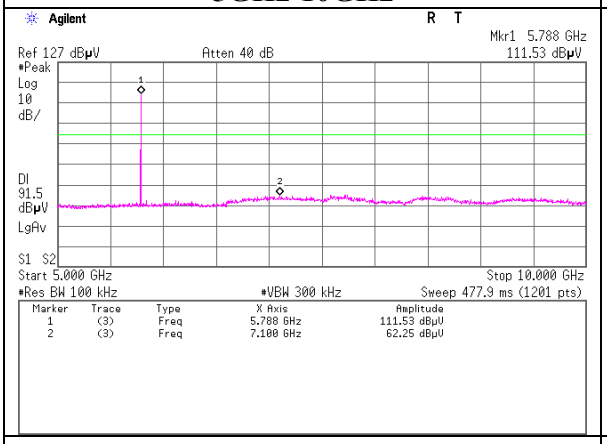
30MHz-1GHz



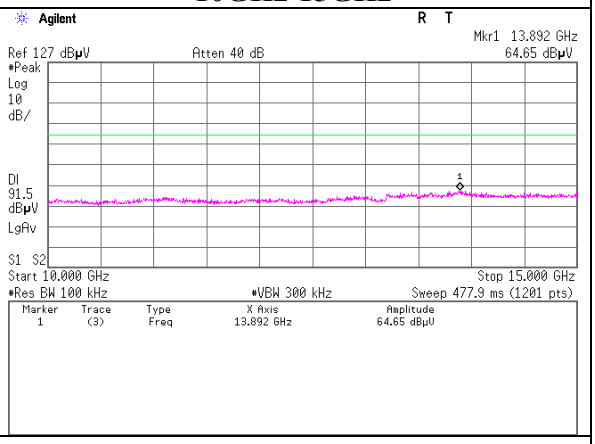
1GHz-5GHz



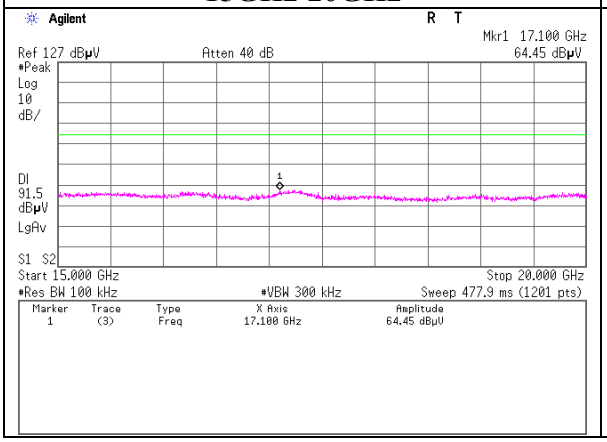
5GHz-10GHz



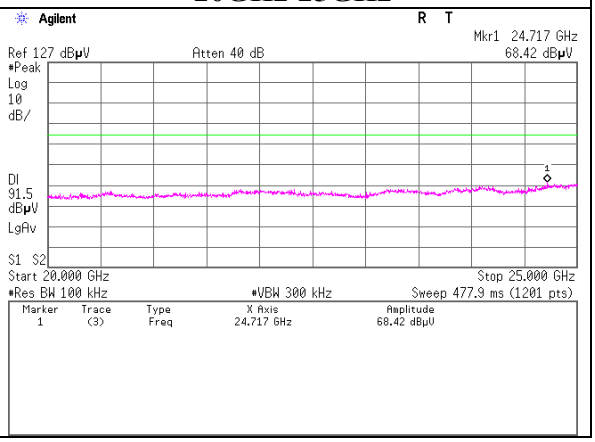
10GHz-15GHz



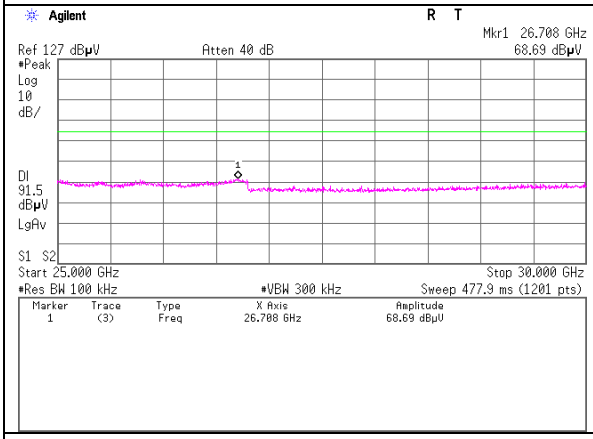
15GHz-20GHz



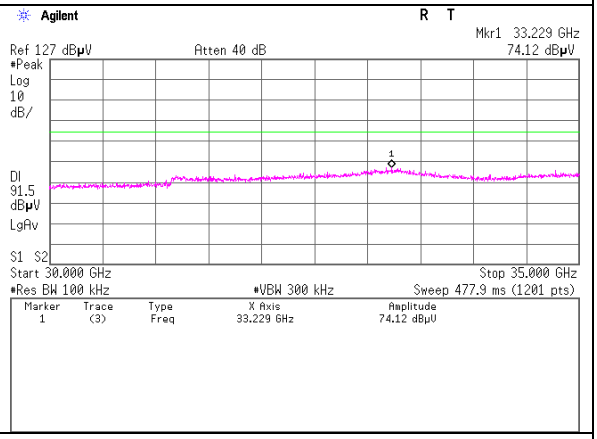
20GHz-25GHz



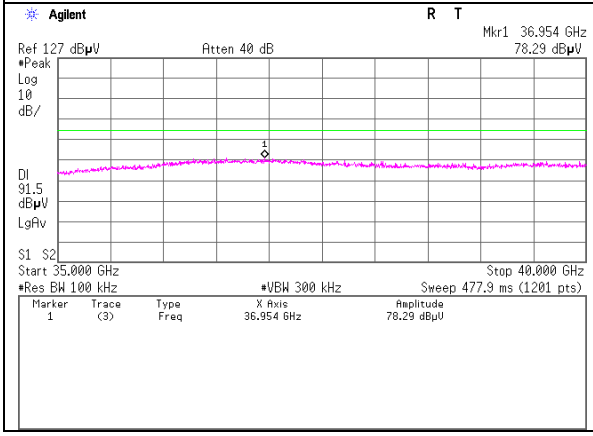
25GHz-30Hz



30GHz-35GHz



35GHz-40GHz



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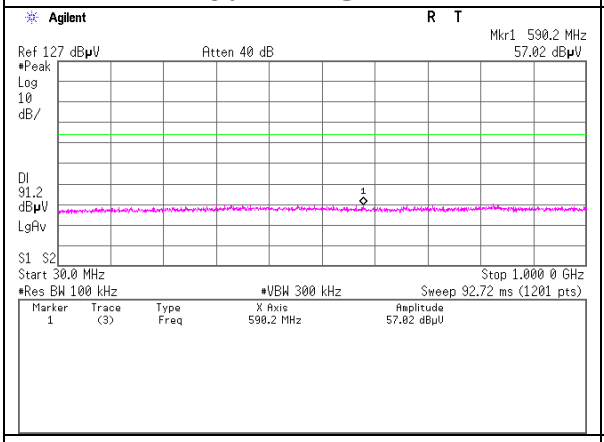
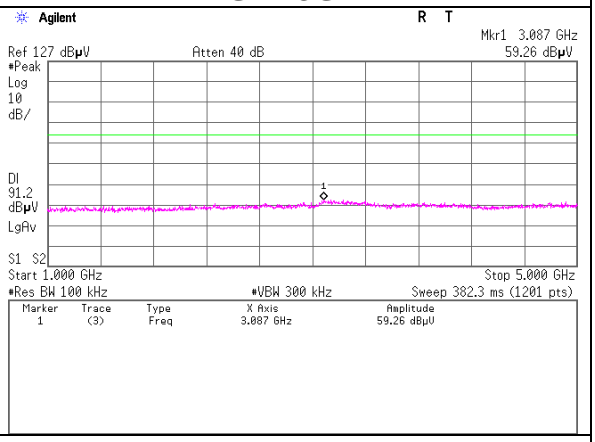
Conducted Spurious Emission

Tx, Ch:High

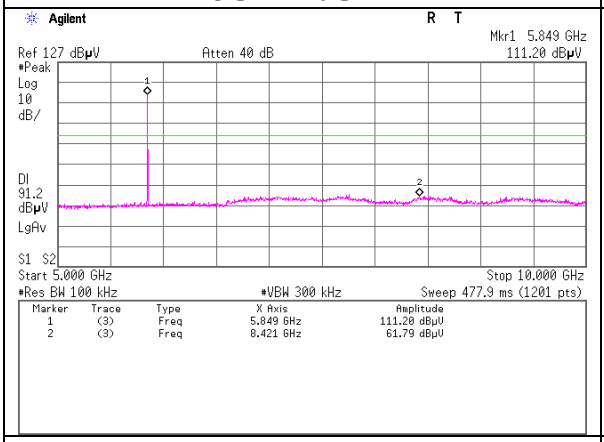
30MHz-1GHz



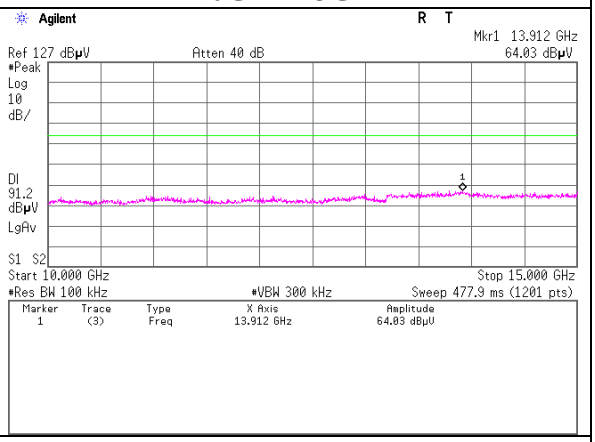
1GHz-5GHz



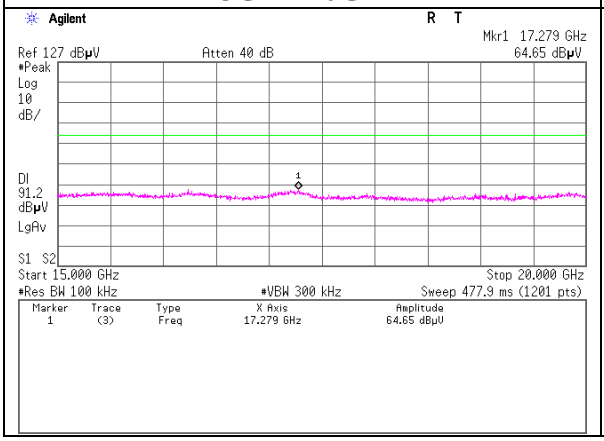
5GHz-10GHz



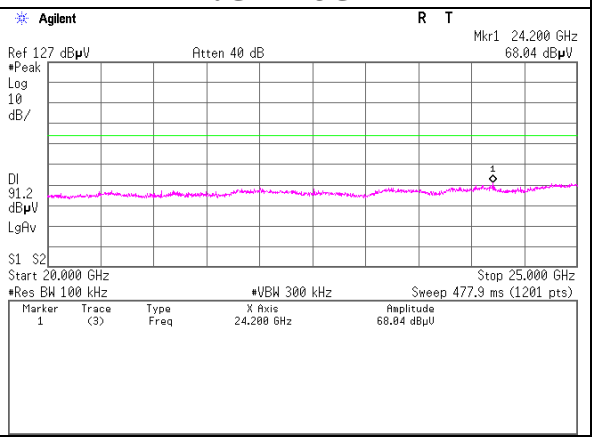
10GHz-15GHz



15GHz-20GHz



20GHz-25GHz



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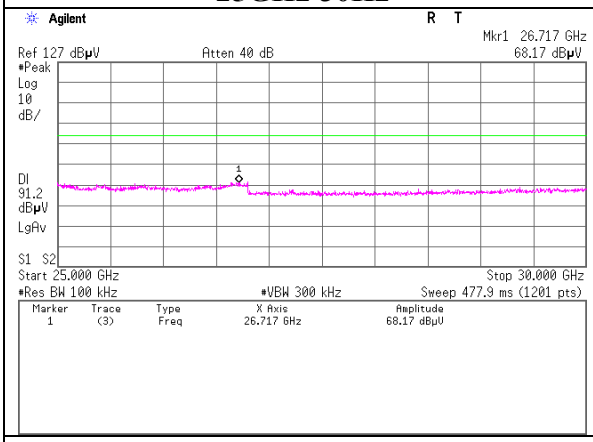
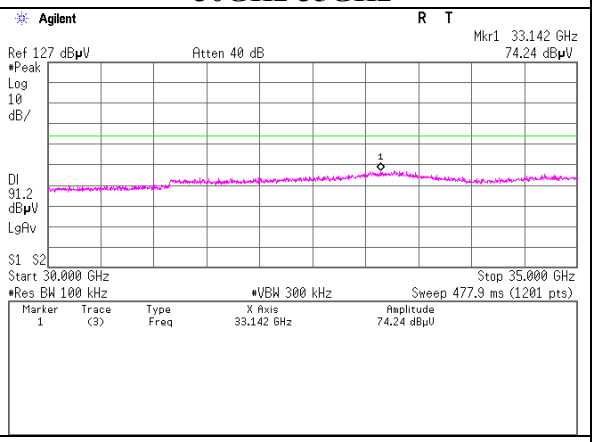
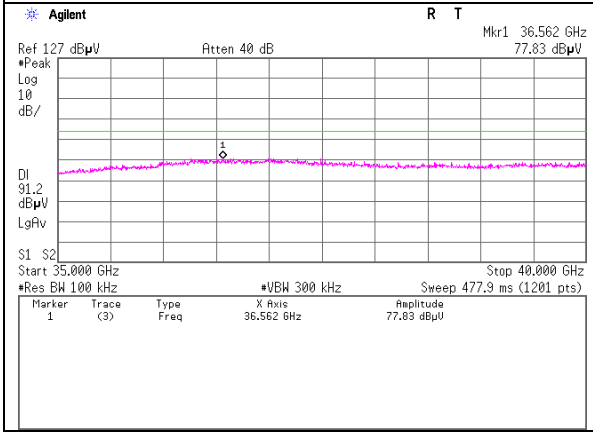
25GHz-30Hz



30GHz-35GHz



35GHz-40GHz



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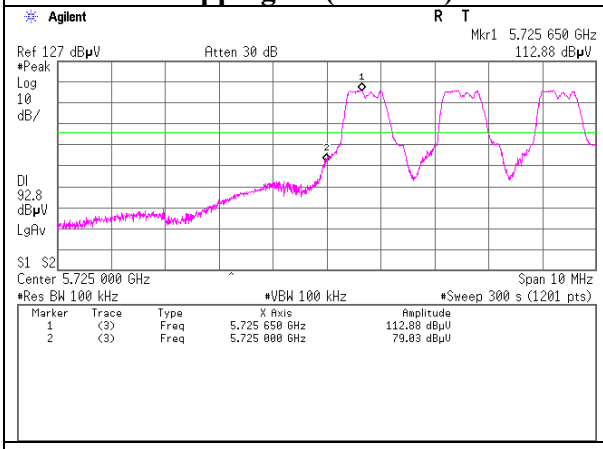
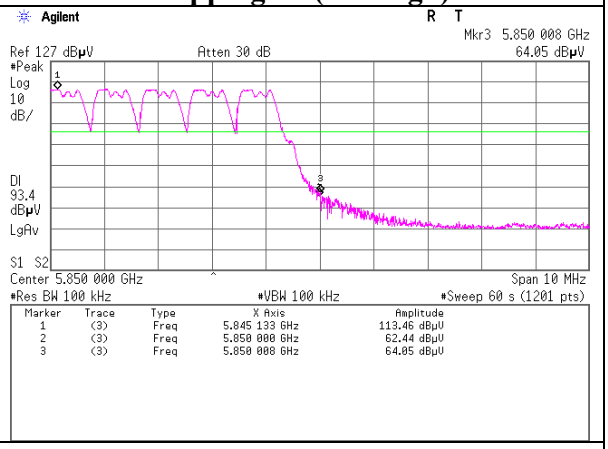
Conducted Spurious Emission(Band Edge compliance)

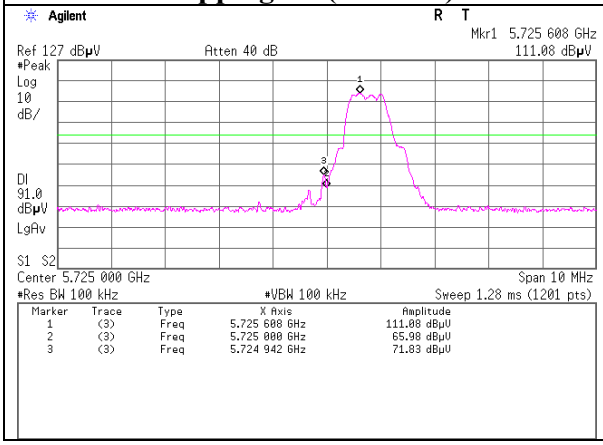
Hopping on (Ch:Low)



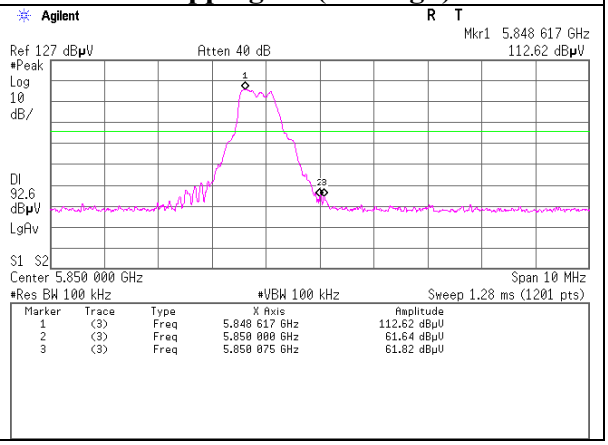
Hopping on (Ch:High)



Hopping off (Ch:Low)

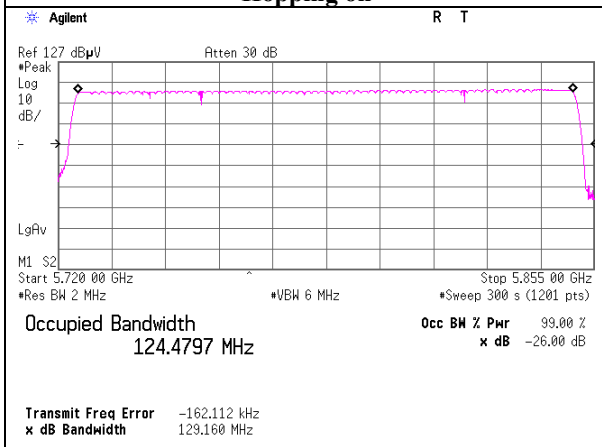


Hopping off (Ch:High)

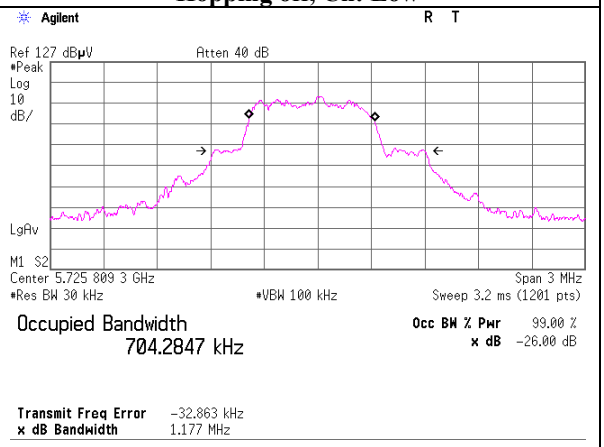


99% Occupied Bandwidth

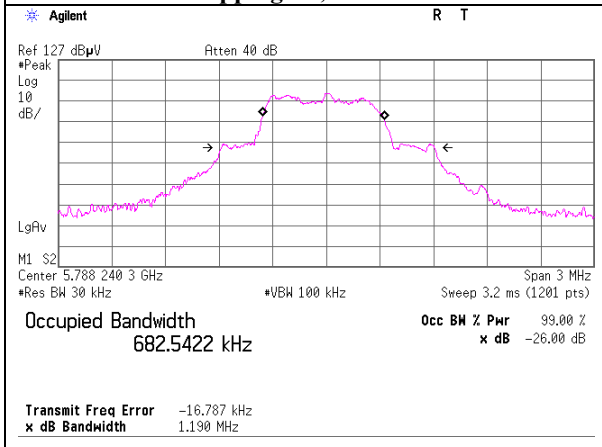
Hopping on



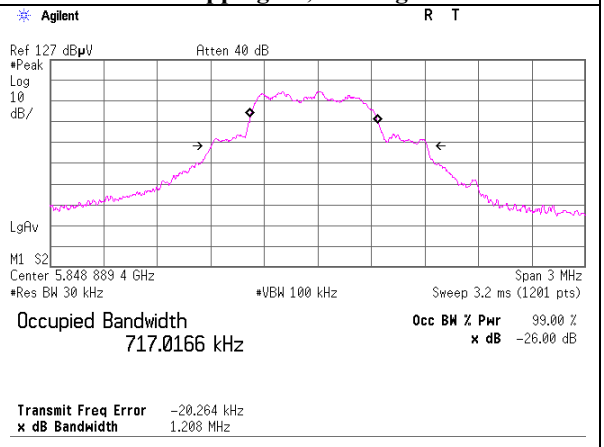
Hopping off, Ch: Low



Hopping off, Ch: Mid



Hopping off, Ch: High



APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/03/25 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2008/01/10 * 12
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	RE/CE	2008/02/27 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2008/02/20 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/12 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MHF-22	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCB	RE	2008/01/07 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2008/02/20 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2008/02/19 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2008/02/04 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / CE	2007/04/02 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	RE / CE	2007/12/27 * 12
MJM-05	Measure	PROMART	SEN1955	RE / CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE / CE	-
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2008/01/19 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2008/01/19 * 12
MHA-03	Horn Antenna 26.5-40GHz	EMCO	3160-10	RE	2008/01/19 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/10/21 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2007/09/13 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2007/09/27 * 12
MPA-03	Microwave System Power Amplifier	Agilent	83050A	RE	2007/06/08 * 12
MRENT-62	Spectrum Analyzer	Agilent	E4448A	RE	2007/11/27 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE / CE	2008/04/02 * 12
MHF-16	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCA	RE	2007/12/11 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2008/02/08 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/08/28 * 12
MCC-53	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	RE	2008/03/07 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2008/02/15 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2008/02/20 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2008/02/15 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MAT-24	Attenuator(10dB)(above1GHz)	Agilent	8493C	AT	2007/06/28 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2007/09/05 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards. As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

Test Item: CE: Conducted Emission
RE: Radiated Emission
AT: Antenna Terminal Conducted test