APPENDIX 2: Data of EMI test

Carrier Frequency Separation

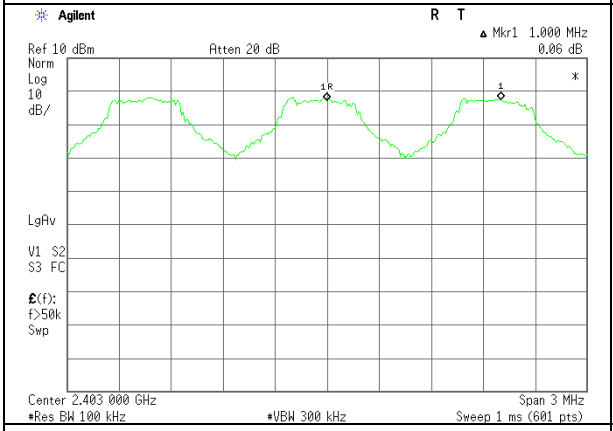
UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

COMPANY	:	FUJITSU TEN LIMITED	REGULATION	:	FCC15.247(a)(1)
EQUIPMENT	:	DISPLAY	TEST DISTANCE	:	-
MODEL	:	BT015A	DATE	:	3/13/2007
S/ N	:	1G100001	TEMPERATURE	:	23deg.C
POWER	:	DC 13.2V	HUMIDITY	:	32%
MODE	:	Tx(Hopping on)/Inquiry	ENGINEER	:	Norihisa Hashimoto

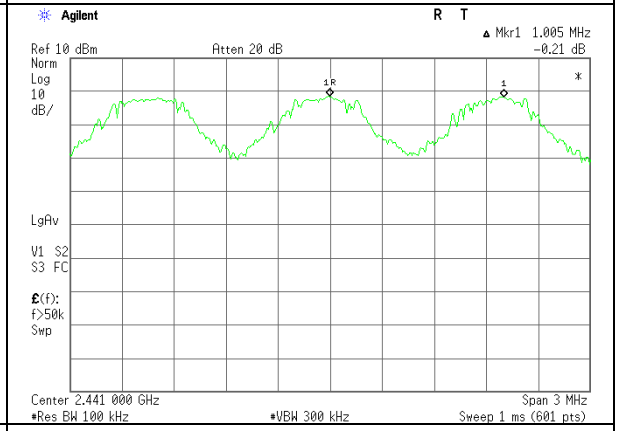
Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>0.840[MHz] (20dB Bandwidth) or 25[kHz](whichever is greater)
Mid	2441.0	1.005	>0.860[MHz] (20dB Bandwidth) or 25[kHz](whichever is greater)
High	2480.0	1.000	>0.845[MHz] (20dB Bandwidth) or 25[kHz](whichever is greater)
Inquiry	2441.0	2.000	>0.825[MHz] (20dB Bandwidth) or 25[kHz](whichever is greater)

Carrier Frequency Separation

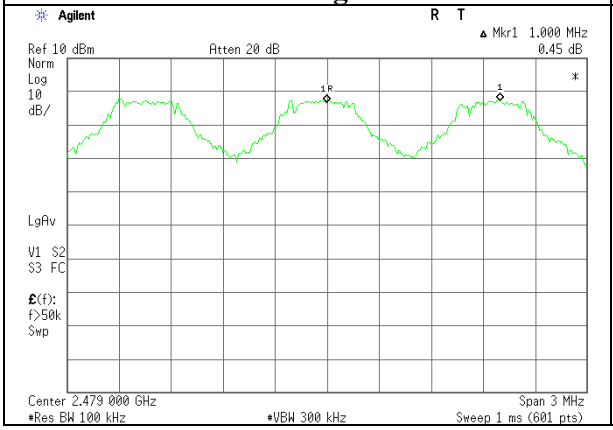
Ch:Low



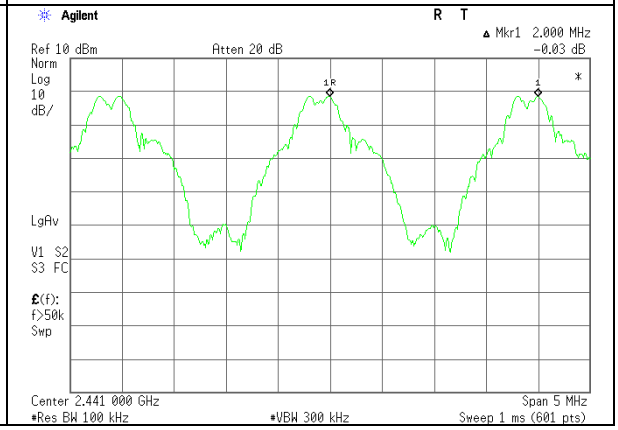
Ch:Mid



Ch:High



Inquiry



20dB Bandwidth

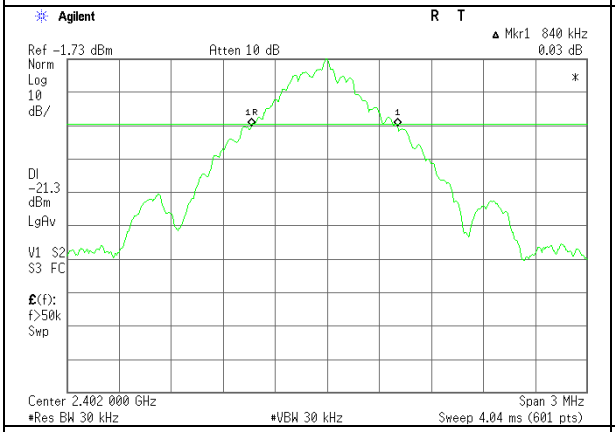
UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

COMPANY	:	FUJITSU TEN LIMITED	REGULATION	:	FCC15.247(a)(1)
EQUIPMENT	:	DISPLAY	TEST DISTANCE	:	-
MODEL	:	BT015A	DATE	:	3/13/2007
S/ N	:	1G100001	TEMPERATURE	:	23deg.C
POWER	:	DC 13.2V	HUMIDITY	:	32%
MODE	:	Tx (Hopping off) /Inquiry	ENGINEER	:	Norihisa Hashimoto

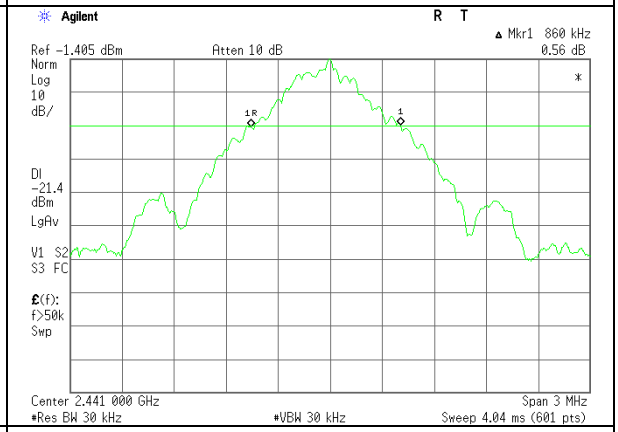
Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	0.840	-
Mid	2441.0	0.860	-
High	2480.0	0.845	-
Inquiry	2441.0	0.825	-

20dB Bandwidth

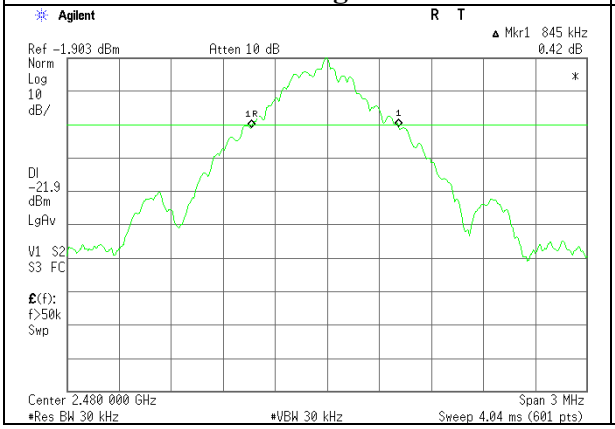
Ch:Low



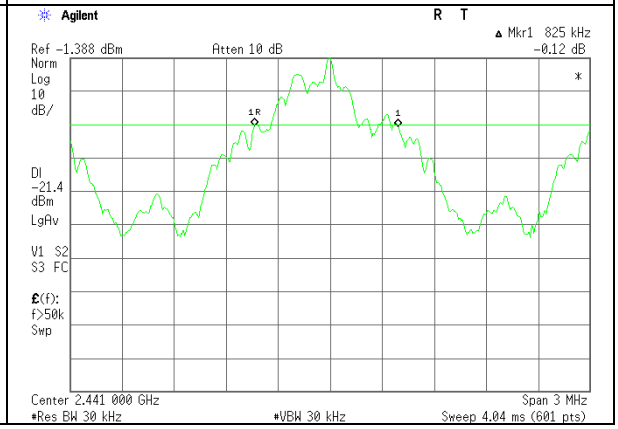
Ch:Mid



Ch:High



Inquiry



Number of Hopping Frequency

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

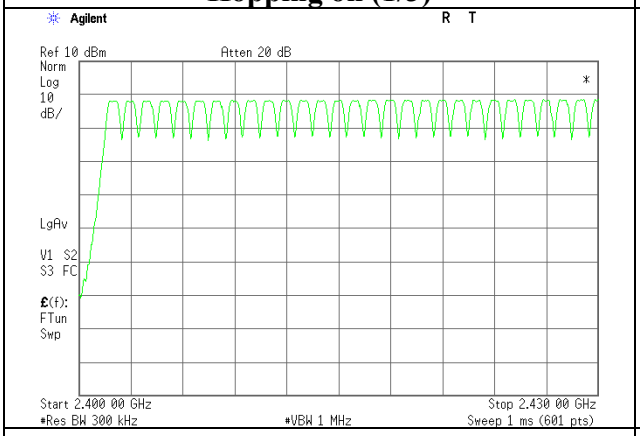
COMPANY	:	FUJITSU TEN LIMITED	REGULATION	:	FCC15.247(a)(1)(iii)
EQUIPMENT	:	DISPLAY	TEST DISTANCE	:	-
MODEL	:	BT015A	DATE	:	3/13/2007
S/ N	:	1G100001	TEMPERATURE	:	23deg.C
POWER	:	DC 13.2V	HUMIDITY	:	32%
MODE	:	Tx (Hopping on) /Inquiry	ENGINEER	:	Norihisa Hashimoto

Mode	Number of channel [time]	Limit [time]
Tx(Hopping on)	79	≧15

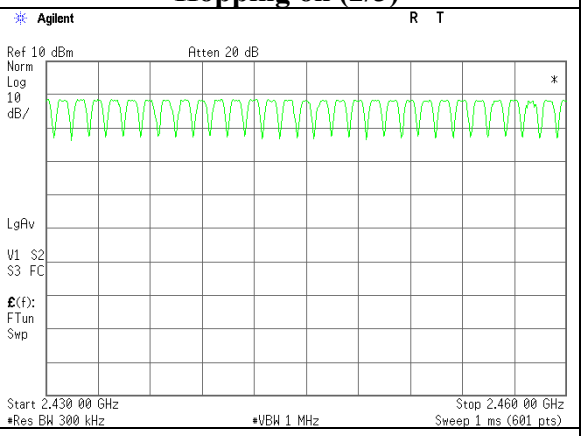
Mode	Number of channel [time]	Limit [time]
Inquiry	33	≧15

Number of Hopping Frequency

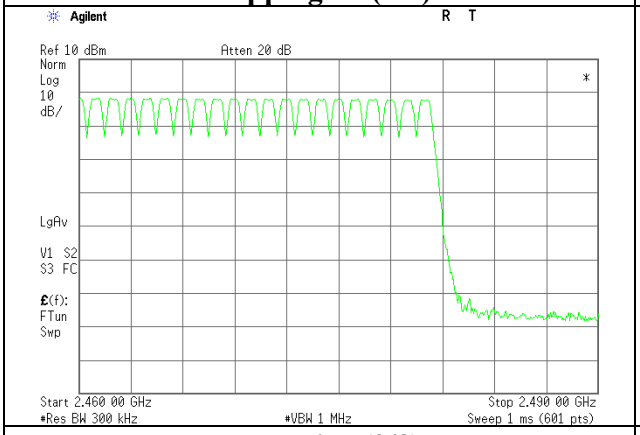
Hopping on (1/3)



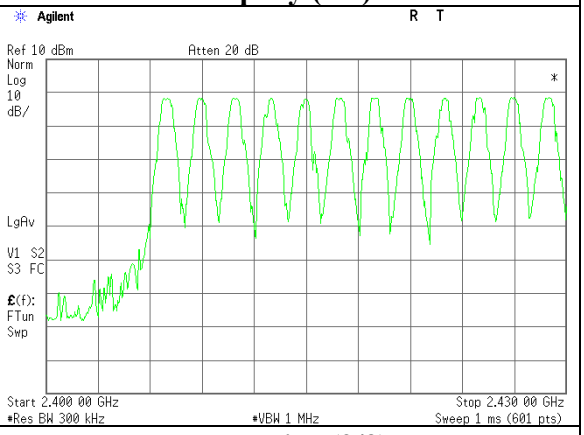
Hopping on (2/3)



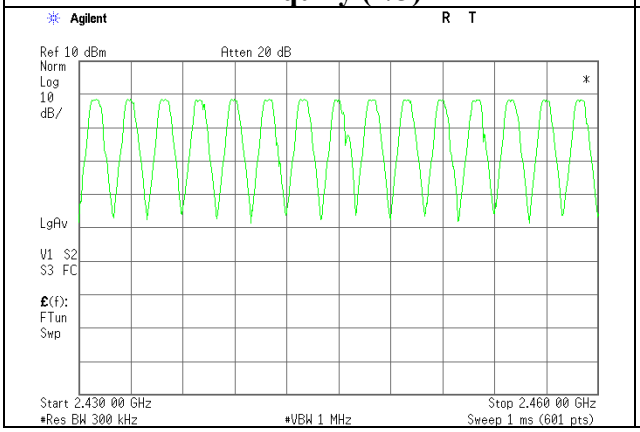
Hopping on (3/3)



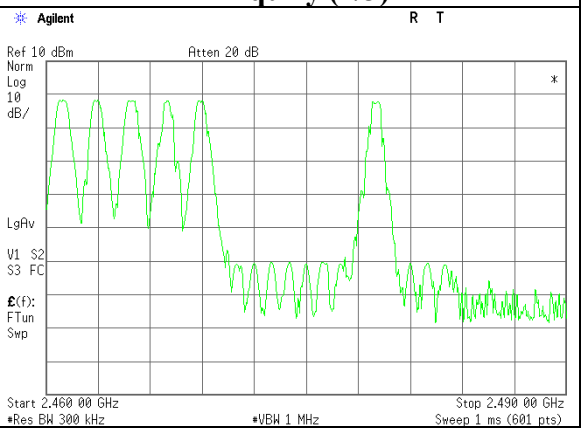
Inquiry (1/3)



Inquiry (2/3)



Inquiry (2/3)



Dwell time

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

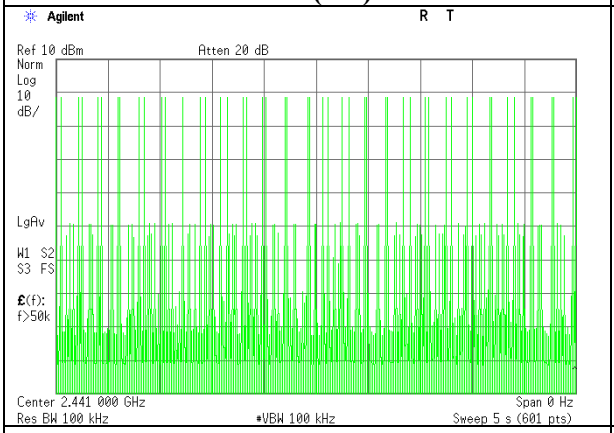
COMPANY	:	FUJITSU TEN LIMITED	REGULATION	:	FCC15.247(a)(1)(iii)
EQUIPMENT	:	DISPLAY	TEST DISTANCE	:	-
MODEL	:	BT015A	DATE	:	3/13/2007
S/ N	:	1G100001	TEMPERATURE	:	23deg.C
POWER	:	DC 13.2V	HUMIDITY	:	32%
MODE	:	Tx (Hopping on) /Inquiry	ENGINEER	:	Norihisa Hashimoto

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	50 times / 5 sec. x 31.6 sec. = 316 times	0.502	159	400
*1 DH3	26 times / 5 sec. x 31.6 sec. = 165 times	1.750	289	400
*2 DH5	18 times / 5 sec. x 31.6 sec. = 114 times	2.992	341	400
Inquiry	100 times / 1 sec. x 12.8 sec. = 1280 times	0.226	290	400

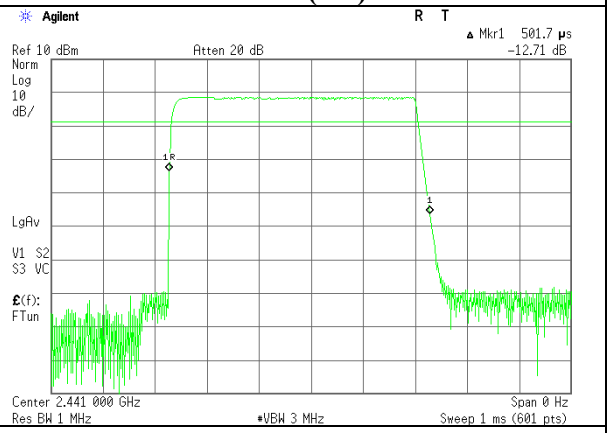
*1 The average of 5 times 1:24 / 2:28 / 3:24 / 4:27 / 5:27 Average 26times
*2 The average of 5 times 1:17 / 2:17 / 3:19 / 4:19 / 5:18 Average 18times

Dwell time

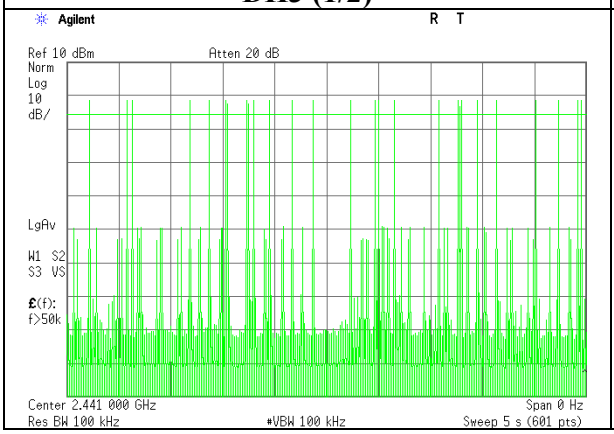
DH1 (1/2)



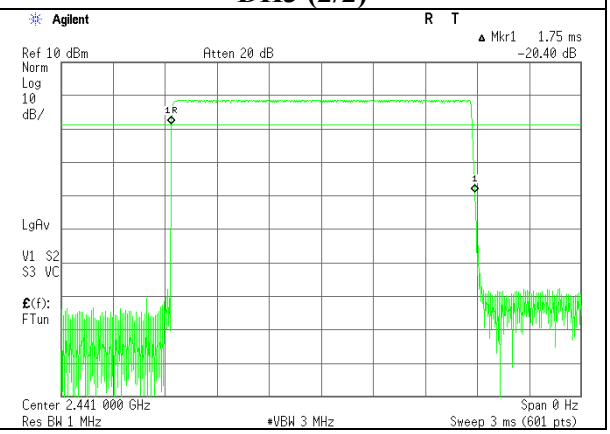
DH1 (2/2)



DH3 (1/2)

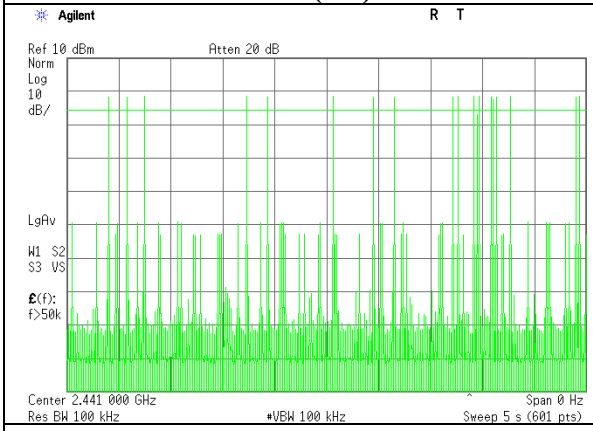


DH3 (2/2)

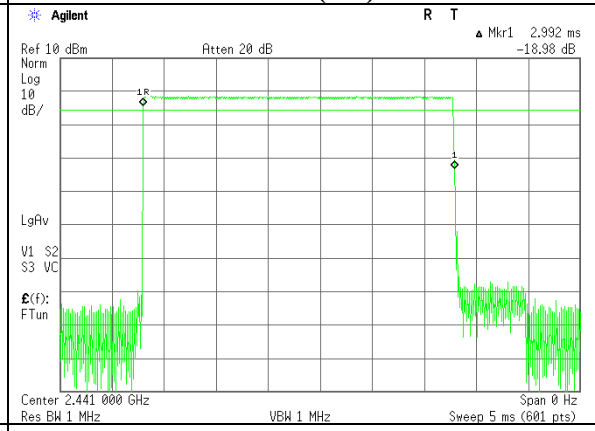


Dwell time

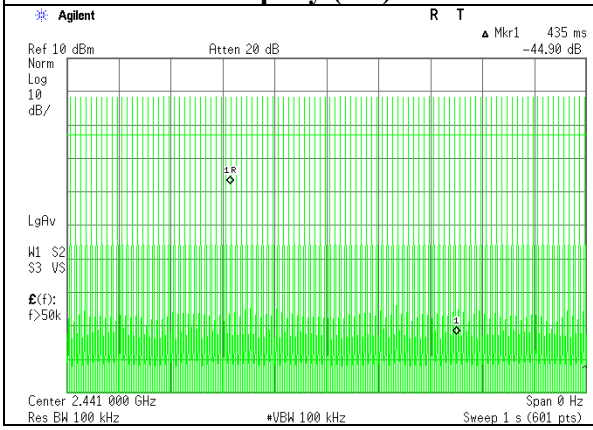
DH5 (1/2)



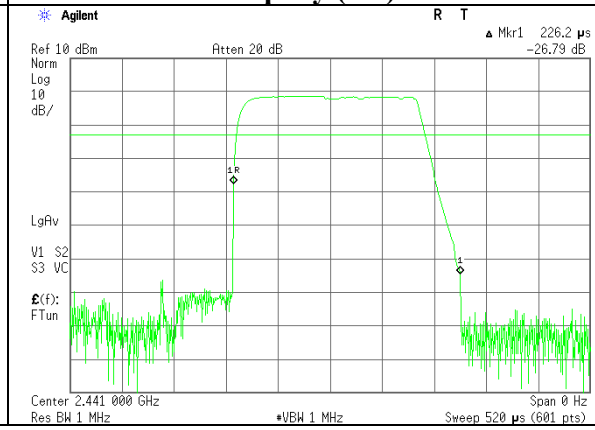
DH5 (2/2)



Inquiry (1/2)



Inquiry (2/2)



Maximum Peak Output Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Shielded Room

COMPANY	:	FUJITSU TEN LIMITED	REGULATION	:	FCC15.247(b)(1)
EQUIPMENT	:	DISPLAY	TEST DISTANCE	:	-
MODEL	:	BT015A	DATE	:	3/13/2007
S/ N	:	1G100001	TEMPERATURE	:	23deg.C
POWER	:	DC 13.2V	HUMIDITY	:	32%
MODE	:	Tx(Hopping Off)/Inquiry	ENGINEER	:	Norihisa Hashimoto

Ch	Freq.	P/M Reading	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2402.0	-1.84	0.48	0.00	-1.36	0.73	20.97	125	22.33
Mid	2441.0	-1.64	0.49	0.00	-1.15	0.77	20.97	125	22.12
High	2480.0	-2.04	0.50	0.00	-1.54	0.70	20.97	125	22.51
Inquiry	2441.0	-1.98	0.49	0.00	-1.49	0.71	20.97	125	22.46

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

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

DATA OF RADIATED EMISSION TEST

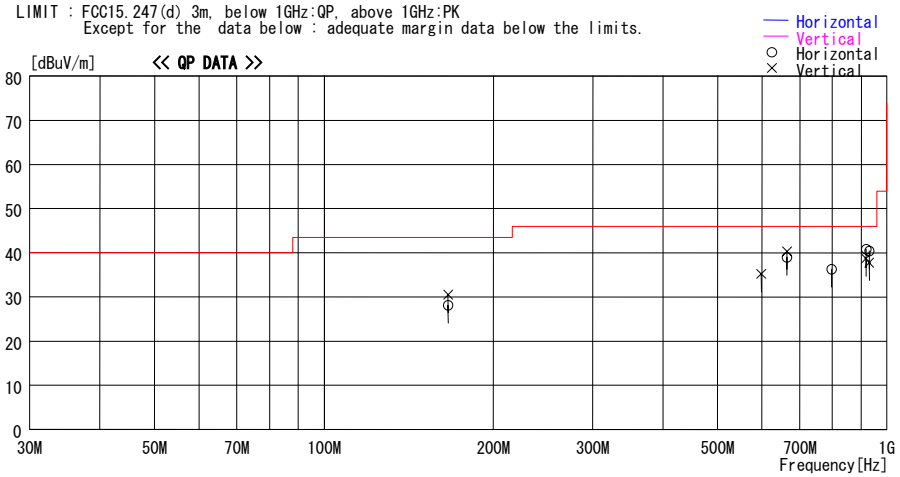
UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/02/15

Company : FUJITSU TEN LIMITED
Kind of EUT : DISPLAY
Model No. : BT015A
Serial No. : 1G100001

Report No. : 27FE0007-HO
Power : DC 13.2V
Temp./Humi. : 24deg.C / 33%
Operator : Takumi Shimada

Mode / Remarks : BT Tx 2402MHz_DH5 / EUT_Normal-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



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
166.157	37.9	QP	15.9	-23.3	30.5	239	100	Vert.	43.5	13.0	
166.157	35.5	QP	15.9	-23.3	28.1	257	188	Hori.	43.5	15.4	
598.163	36.8	QP	19.2	-20.8	35.2	354	100	Vert.	46.0	10.8	
664.626	40.0	QP	19.4	-20.4	39.0	63	127	Hori.	46.0	7.0	
664.627	41.3	QP	19.4	-20.4	40.3	166	100	Vert.	46.0	5.7	
797.551	33.9	QP	21.7	-19.3	36.3	63	100	Hori.	46.0	9.7	
918.027	36.9	QP	22.0	-18.1	40.8	94	100	Hori.	46.0	5.2	
918.029	34.8	QP	22.0	-18.1	38.7	108	110	Vert.	46.0	7.3	
930.477	33.6	QP	22.2	-18.0	37.8	185	110	Vert.	46.0	8.2	
930.477	36.2	QP	22.2	-18.0	40.4	94	100	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)

Tx, Ch. Mid

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

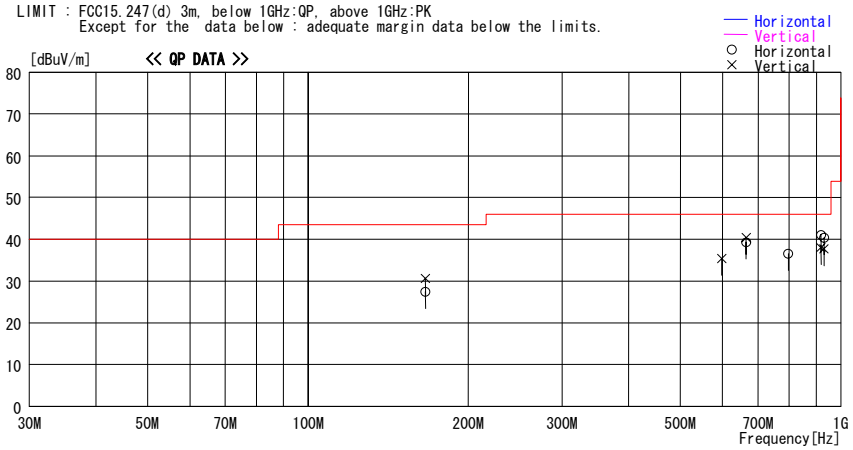
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/02/15

Company	: FUJITSU TEN LIMITED	Report No.	: 27FE0007-HO
Kind of EUT	: DISPLAY	Power	: DC 13.2V
Model No.	: BT015A	Temp./Humi.	: 24deg.C / 33%
Serial No.	: 1G100001	Operator	: Takumi Shimada

Mode / Remarks : BT Tx 2441MHz_DH5 / EUT_Normal-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



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
166.157	34.8	QP	15.9	-23.3	27.4	193	258	Hori.	43.5	16.1	
166.157	38.0	QP	15.9	-23.3	30.6	239	100	Vert.	43.5	12.9	
598.163	37.0	QP	19.2	-20.8	35.4	354	100	Vert.	46.0	10.6	
664.626	40.3	QP	19.4	-20.4	39.3	62	131	Hori.	46.0	6.7	
664.626	41.4	QP	19.4	-20.4	40.4	176	100	Vert.	46.0	5.6	
797.551	34.1	QP	21.7	-19.3	36.5	59	100	Hori.	46.0	9.5	
918.030	34.1	QP	22.0	-18.1	38.0	120	110	Vert.	46.0	8.0	
918.030	37.2	QP	22.0	-18.1	41.1	94	100	Hori.	46.0	4.9	
930.477	33.5	QP	22.2	-18.0	37.7	180	110	Vert.	46.0	8.3	
930.477	36.1	QP	22.2	-18.0	40.3	94	100	Hori.	46.0	5.7	

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)

Radiated Spurious Emission (below 1GHz)

Tx, Ch. High

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

DATA OF RADIATED EMISSION TEST

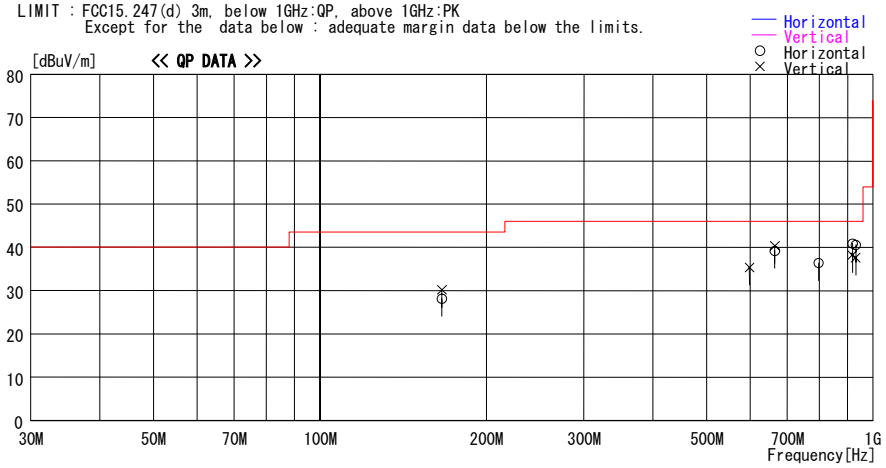
UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/02/15

Company : FUJITSU TEN LIMITED
Kind of EUT : DISPLAY
Model No. : BT015A
Serial No. : 1G100001

Report No. : 27FE0007-HO
Power : DC 13.2V
Temp./Humi. : 24deg.C / 33%
Operator : Takumi Shimada

Mode / Remarks : BT Tx 2480MHz_DH5 / EUT_Normal-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



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
166.157	35.5	QP	15.9	-23.3	28.1	247	184	Hori.	43.5	15.4	
166.157	37.6	QP	15.9	-23.3	30.2	230	100	Vert.	43.5	13.3	
598.164	37.0	QP	19.2	-20.8	35.4	0	100	Vert.	46.0	10.6	
664.626	41.4	QP	19.4	-20.4	40.4	175	100	Vert.	46.0	5.6	
664.626	40.2	QP	19.4	-20.4	39.2	41	127	Hori.	46.0	6.8	
797.551	34.0	QP	21.7	-19.3	36.4	60	100	Hori.	46.0	9.6	
918.030	34.3	QP	22.0	-18.1	38.2	105	115	Vert.	46.0	7.8	
918.030	37.0	QP	22.0	-18.1	40.9	93	100	Hori.	46.0	5.1	
930.477	36.4	QP	22.2	-18.0	40.6	93	100	Hori.	46.0	5.4	
930.477	33.4	QP	22.2	-18.0	37.6	183	110	Vert.	46.0	8.4	

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 (above 1GHz)

Tx, Ch. Low

Company	: FUJITSU TEN LIMITED	REPORT NO	: 27FE0007-HO
Equipment	: DISPLAY	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: BT015A	TEST DISTANCE	: 3/1m
Sample No.	: 1G100001	DATE	: 02/15/2007
Power	: DC 13.2V	TEMPERATURE	: 23deg.C 24deg.C
Mode	: Bluetooth Tx 2402MHz_DH5	HUMIDITY	: 32% 33%
Remarks	: Normal-axis	ENGINEER	: Norihisa Hashimoto Takumi Shimada

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	1014.7	53.3	53.1	25.7	35.4	1.5	0.0	45.1	44.9	73.9	28.8	29.0
2	1156.0	46.0	53.0	25.8	34.9	1.6	0.0	38.5	45.5	73.9	35.4	28.4
3	2390.0	41.1	41.5	29.1	32.8	2.2	0.0	39.6	40.0	73.9	34.3	33.9
4	4804.0	45.2	45.2	33.4	31.6	3.5	0.0	50.5	50.5	73.9	23.4	23.4
5	7206.0	41.3	41.6	37.3	32.1	4.3	0.0	50.8	51.1	73.9	23.1	22.8
6	9608.0	42.4	42.6	39.4	33.1	5.0	0.0	53.7	53.9	73.9	20.2	20.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12010.0	-	-	-	-	-	-	-	-	73.9	-	-
8	14412.0	-	-	-	-	-	-	-	-	73.9	-	-
9	16814.0	-	-	-	-	-	-	-	-	73.9	-	-
10	19216.0	-	-	-	-	-	-	-	-	73.9	-	-
11	21618.0	-	-	-	-	-	-	-	-	73.9	-	-
12	24020.0	45.5	45.9	38.8	31.6	8.1	0.0	51.3	51.7	73.9	22.6	22.2

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	1014.7	41.9	42.5	25.7	35.4	1.5	0.0	33.7	34.3	53.9	20.2	19.6
2	1156.0	35.7	43.7	25.8	34.9	1.6	0.0	28.2	36.2	53.9	25.7	17.7
3	2390.0	30.6	30.6	29.1	32.8	2.2	0.0	29.1	29.1	53.9	24.8	24.8
4	4804.0	38.2	37.7	33.4	31.6	3.5	0.0	43.5	43.0	53.9	10.4	10.9
5	7206.0	30.1	30.1	37.3	32.1	4.3	0.0	39.6	39.6	53.9	14.3	14.3
6	9608.0	31.6	31.4	39.4	33.1	5.0	0.0	42.9	42.7	53.9	11.0	11.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12010.0	-	-	-	-	-	-	-	-	53.9	-	-
8	14412.0	-	-	-	-	-	-	-	-	53.9	-	-
9	16814.0	-	-	-	-	-	-	-	-	53.9	-	-
10	19216.0	-	-	-	-	-	-	-	-	53.9	-	-
11	21618.0	-	-	-	-	-	-	-	-	53.9	-	-
12	24020.0	34.3	34.3	38.8	31.6	8.1	0.0	40.1	40.1	53.9	13.8	13.8

20dBc(Fundamental 2402MHz) (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												
1	2402.0	89.1	96.3	30.9	39.9	5.5	0.0	85.6	92.8	-	-	-
2	2400.0	36.7	40.1	30.9	39.9	5.5	0.0	33.2	36.6	Funda-20dB	32.4	36.2

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

Radiated Spurious Emission (above 1GHz)

Tx, Ch. Mid

UL Apex Co., Ltd.
Head Office EMC Lab. No.1Semi Anechoic Chamber

Company	: FUJITSU TEN LIMITED	REPORT NO	: 27FE0007-HO
Equipment	: DISPLAY	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: BT015A	TEST DISTANCE	: 3/1m
Sample No.	: 1G100001	DATE	: 03/13/2007
Power	: DC 13.2V	TEMPERATURE	: 23deg.C 24deg.C
Mode	: Bluetooth Tx 2441MHz_DH5	HUMIDITY	: 32% 33%
Remarks	: Normal-axis	ENGINEER	: Norihisa Hashimoto Takumi Shimada

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	1014.8	52.8	54.7	25.7	35.4	1.5	0.0	44.6	46.5	73.9	29.3	27.4
2	1232.1	50.1	53.7	25.9	34.7	1.7	0.0	43.0	46.6	73.9	30.9	27.3
3	4882.0	45.7	47.1	33.6	31.6	3.5	0.0	51.2	52.6	73.9	22.7	21.3
4	7323.0	41.6	41.7	37.4	32.2	4.3	0.0	51.1	51.2	73.9	22.8	22.7
5	9764.0	42.8	42.2	39.6	33.2	5.0	0.0	54.2	53.6	73.9	19.7	20.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12205.0	-	-	-	-	-	-	-	-	73.9	-	-
7	14646.0	-	-	-	-	-	-	-	-	73.9	-	-
8	17087.0	-	-	-	-	-	-	-	-	73.9	-	-
9	19528.0	-	-	-	-	-	-	-	-	73.9	-	-
10	21969.0	-	-	-	-	-	-	-	-	73.9	-	-
11	24410.0	46.2	46.1	38.7	31.1	8.2	0.0	52.5	52.4	73.9	21.4	21.5

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	1014.8	41.2	44.6	25.7	35.4	1.5	0.0	33.0	36.4	53.9	20.9	17.5
2	1232.1	34.0	37.7	25.9	34.7	1.7	0.0	26.9	30.6	53.9	27.0	23.3
3	4882.0	39.0	40.7	33.6	31.6	3.5	0.0	44.5	46.2	53.9	9.4	7.7
4	7323.0	30.3	30.3	37.4	32.2	4.3	0.0	39.8	39.8	53.9	14.1	14.1
5	9764.0	31.7	31.2	39.6	33.2	5.0	0.0	43.1	42.6	53.9	10.8	11.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12205.0	-	-	-	-	-	-	-	-	53.9	-	-
7	14646.0	-	-	-	-	-	-	-	-	53.9	-	-
8	17087.0	-	-	-	-	-	-	-	-	53.9	-	-
9	19528.0	-	-	-	-	-	-	-	-	53.9	-	-
10	21969.0	-	-	-	-	-	-	-	-	53.9	-	-
11	24410.0	34.6	34.6	38.7	31.1	8.2	0.0	40.9	40.9	53.9	13.0	13.0

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

Radiated Spurious Emission (above 1GHz)

Tx, Ch. High

Company	: FUJITSU TEN LIMITED	REPORT NO	: 27FE0007-HO
Equipment	: DISPLAY	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: BT015A	TEST DISTANCE	: 3/1m
Sample No.	: 1G100001	DATE	: 03/13/2007
Power	: DC 13.2V	TEMPERATURE	: 23deg.C 24deg.C
Mode	: Bluetooth Tx 2480MHz_DH5	HUMIDITY	: 32% 33%
Remarks	: Normal-axis	ENGINEER	: Norihisa Hashimoto Takumi Shimada

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	1014.7	53.9	55.3	25.7	35.4	1.5	0.0	45.7	47.1	73.9	28.2	26.8
2	1231.9	50.6	53.6	25.9	34.7	1.7	0.0	43.5	46.5	73.9	30.4	27.4
3	2483.5	52.4	57.2	29.2	32.7	2.3	0.0	51.2	56.0	73.9	22.7	17.9
4	4960.0	47.7	48.8	33.7	31.6	3.5	0.0	53.3	54.4	73.9	20.6	19.5
5	7440.0	41.4	42.6	37.6	32.3	4.3	0.0	51.0	52.2	73.9	22.9	21.7
6	9920.0	43.3	42.9	39.8	33.2	5.1	0.0	55.0	54.6	73.9	18.9	19.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12400.0	-	-	-	-	-	-	-	-	73.9	-	-
8	14880.0	-	-	-	-	-	-	-	-	73.9	-	-
9	17360.0	-	-	-	-	-	-	-	-	73.9	-	-
10	19840.0	-	-	-	-	-	-	-	-	73.9	-	-
11	22320.0	-	-	-	-	-	-	-	-	73.9	-	-
12	24800.0	46.8	46.7	38.7	30.6	8.3	0.0	53.7	53.6	73.9	20.2	20.3

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

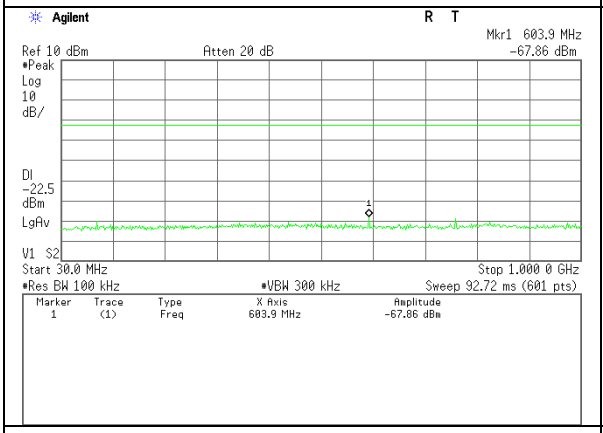
No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1014.7	43.7	45.4	25.7	35.4	1.5	0.0	35.5	37.2	53.9	18.4	16.7
2	1231.9	34.0	36.7	25.9	34.7	1.7	0.0	26.9	29.6	53.9	27.0	24.3
3	2483.5	46.2	51.1	29.2	32.7	2.3	0.0	45.0	49.9	53.9	8.9	4.0
4	4960.0	39.0	39.0	33.7	31.6	3.5	0.0	44.6	44.6	53.9	9.3	9.3
5	7440.0	30.4	30.4	37.6	32.3	4.3	0.0	40.0	40.0	53.9	13.9	13.9
6	9920.0	32.2	31.8	39.8	33.2	5.1	0.0	43.9	43.5	53.9	10.0	10.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12400.0	-	-	-	-	-	-	-	-	53.9	-	-
8	14880.0	-	-	-	-	-	-	-	-	53.9	-	-
9	17360.0	-	-	-	-	-	-	-	-	53.9	-	-
10	19840.0	-	-	-	-	-	-	-	-	53.9	-	-
11	22320.0	-	-	-	-	-	-	-	-	53.9	-	-
12	24800.0	35.3	35.3	38.7	30.6	8.3	0.0	42.2	42.2	53.9	11.7	11.7

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

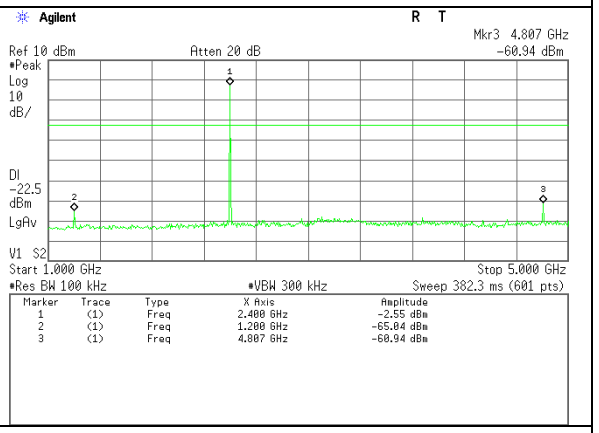
Conducted Spurious Emission

Tx, Ch:Low

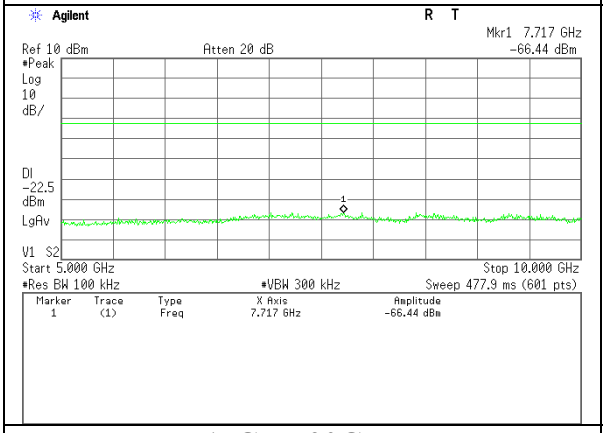
30MHz-1GHz



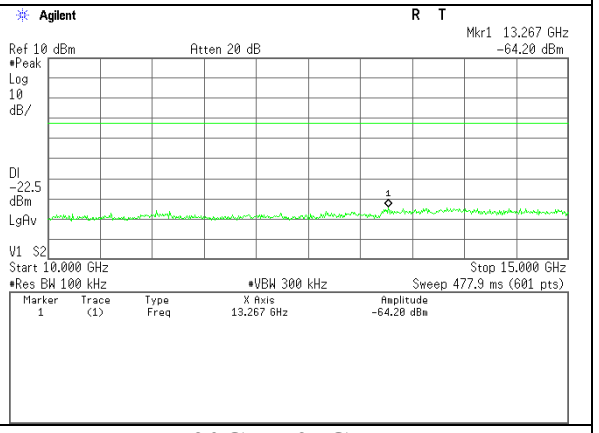
1GHz-5GHz



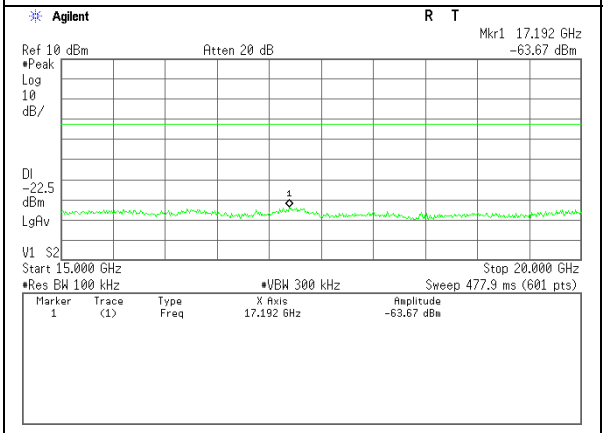
5GHz-10GHz



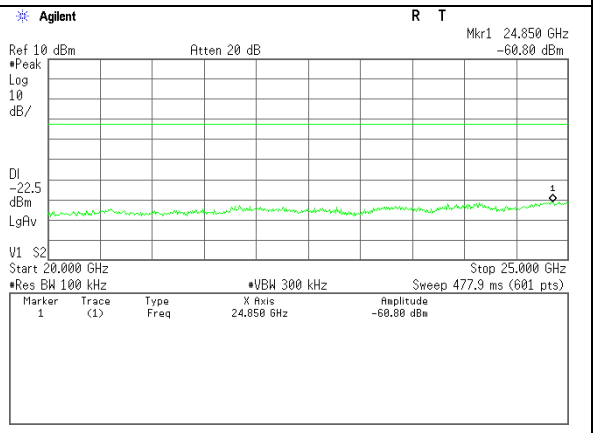
10GHz-15GHz



15GHz-20GHz



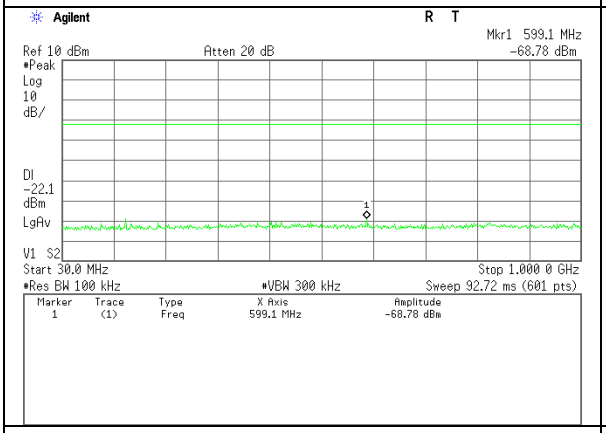
20GHz-25GHz



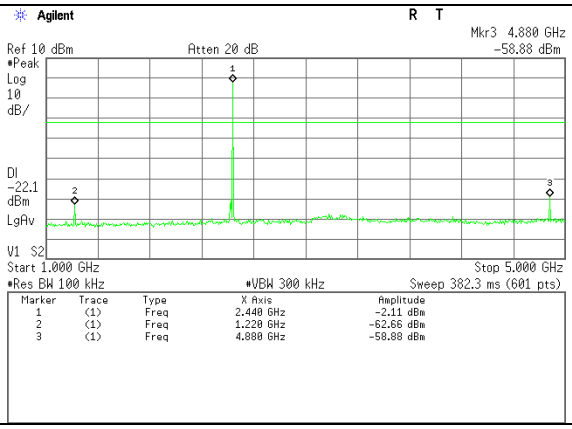
Conducted Spurious Emission

Tx, Ch:Mid

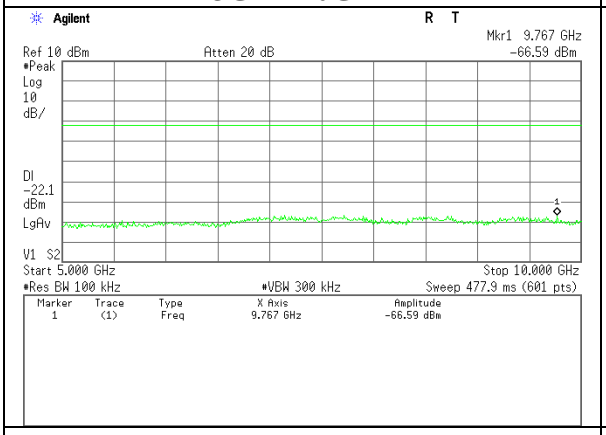
30MHz-1GHz



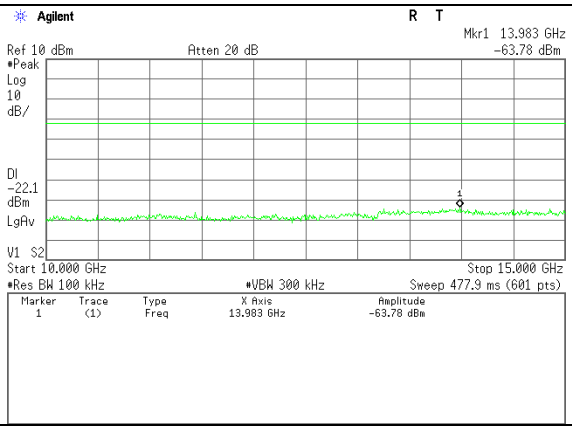
1GHz-5GHz



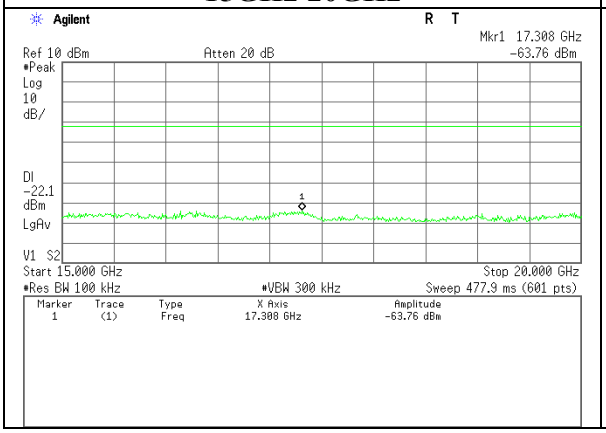
5GHz-10GHz



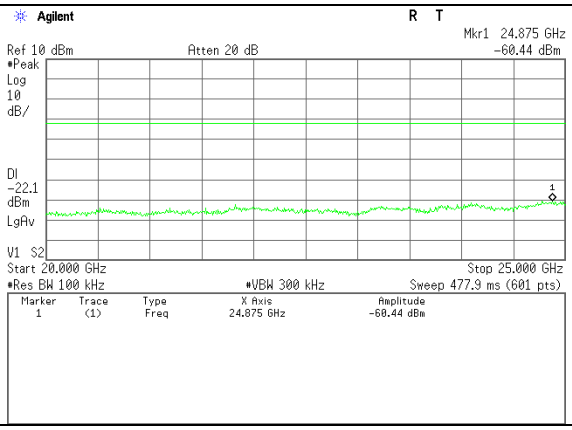
10GHz-15GHz



15GHz-20GHz



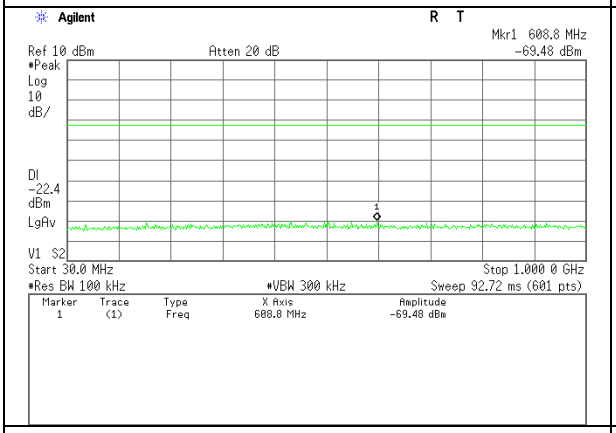
20GHz-25GHz



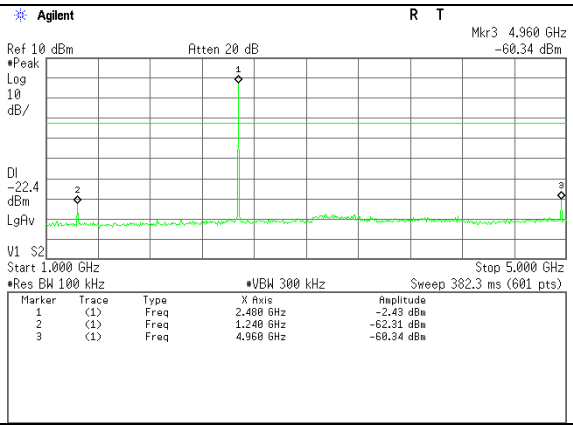
Conducted Spurious Emission

Tx, Ch:High

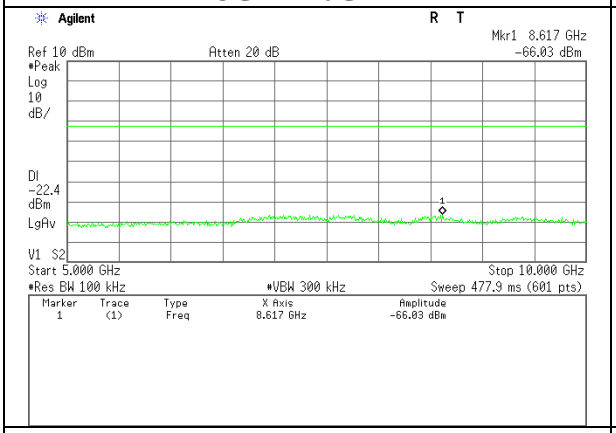
30MHz-1GHz



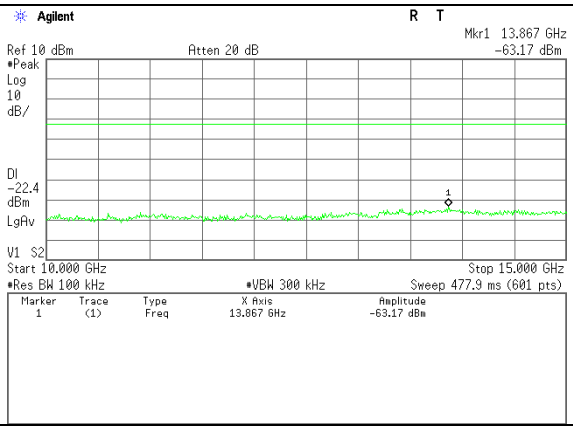
1GHz-5GHz



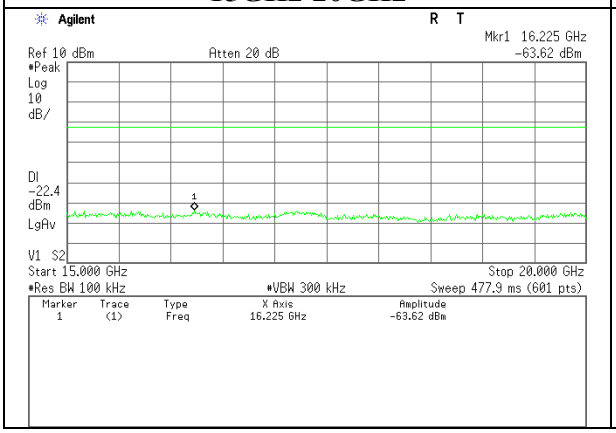
5GHz-10GHz



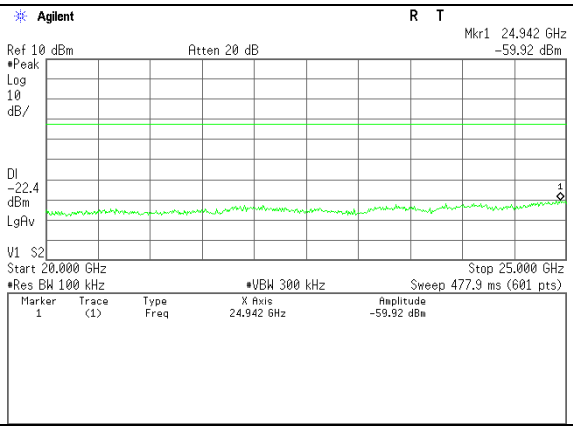
10GHz-15GHz



15GHz-20GHz

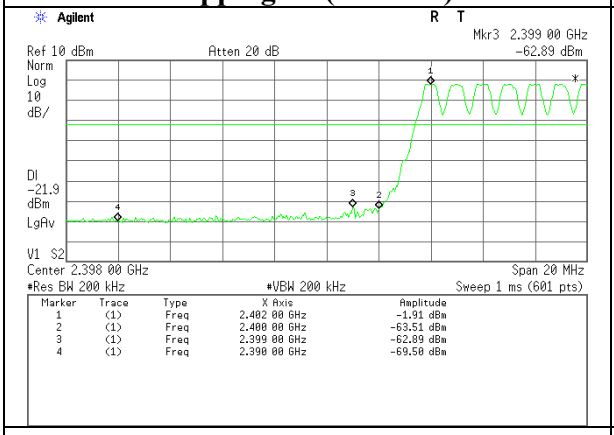


20GHz-25GHz

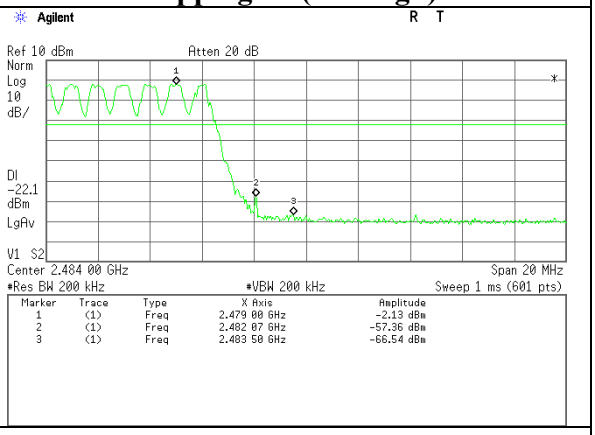


Conducted Spurious Emission
Band Edge compliance

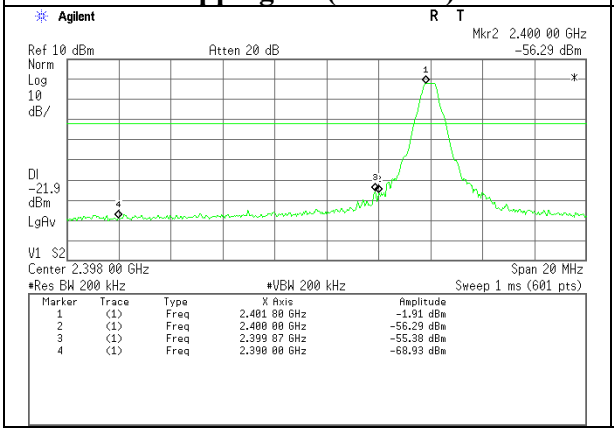
Hopping on (Ch:Low)



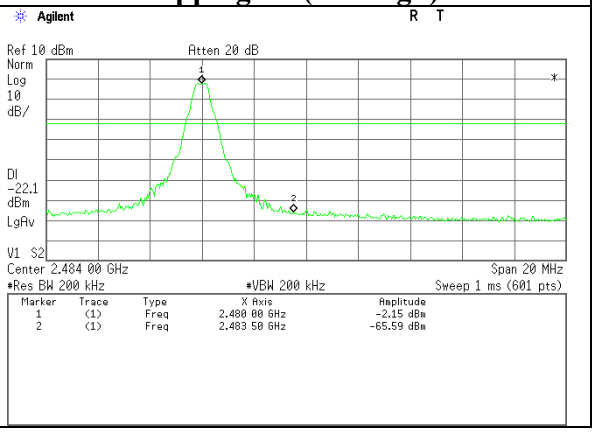
Hopping on (Ch:High)



Hopping off (Ch:Low)



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	2007/03/05 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/04/06 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE	2006/12/08 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/02 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/19 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MCC-51	Coaxial cable	UL Apex	-	RE	2007/03/05 * 12
MPA-13	Pre Amplifier	SONOA INSTRUMENT	310	RE	2006/03/25 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MCC-15	Microwave Cable 1G-26.5GHz 1m	Suhner	SUCOFLEX 104	AT	2007/02/22 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 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: RE: Radiated Emission
AT: Antenna Terminal Conducted test