

APPENDIX 2: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/09 01:07:30

Company

Kind of EUT

Model No.

Serial No.

: Sony EMCS Corporation Kisarazu TEC

: BLUETOOTH WIRELESS AUDIO ADAPTER

: TDM-BT1

: 2

Report No.

Power

Temp./Humi.

Operator

: 27DE0029-HO

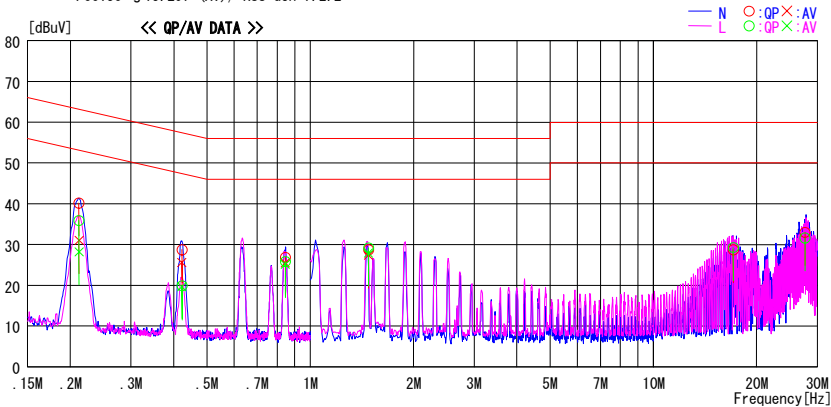
: AC120V/60Hz (EUT:DC 5V)

: 24deg. C. / 33%

: Makoto Kosaka

Mode / Remarks : Tx Hopping on

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2
FCC15C §15.207 (AV) / RSS-Gen 7.2.2



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.21160	35.8	28.1	0.1	35.9	28.2	63.1	53.1	27.2	24.9	L
0.21160	40.1	30.9	0.1	40.2	31.0	63.1	53.1	22.9	22.1	N
0.42300	19.7	19.4	0.2	19.9	19.6	57.4	47.4	37.5	27.8	L
0.42300	28.5	25.4	0.2	28.7	25.6	57.4	47.4	28.7	21.8	N
0.84550	25.6	24.8	0.3	25.9	25.1	56.0	46.0	30.1	20.9	L
0.84550	26.5	25.2	0.3	26.8	25.5	56.0	46.0	29.2	20.5	N
1.47700	29.0	27.7	0.2	29.2	27.9	56.0	46.0	26.8	18.1	L
1.47700	28.5	27.2	0.2	28.7	27.4	56.0	46.0	27.3	18.6	N
17.06650	27.4	---	1.3	28.7	---	60.0	---	31.3	---	N
17.06650	28.0	---	1.3	29.3	---	60.0	---	30.7	---	L
27.63300	31.4	---	1.6	33.0	---	60.0	---	27.0	---	N
27.63300	30.0	---	1.6	31.6	---	60.0	---	28.4	---	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

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/09 01:45:33

Company

Kind of EUT

Model No.

Serial No.

: Sony EMCS Corporation Kisarazu TEC

: BLUETOOTH WIRELESS AUDIO ADAPTER

: TDM-BT1

: 2

Report No.

Power

Temp./Humi.

Operator

: 27DE0029-H0

: AC120V/60Hz (EUT:DC 5V)

: 24deg. C. / 33%

: Makoto Kosaka

Mode / Remarks : Rx 2441MHz

LIMIT : FCC15C § 15.207 (QP)/ RSS-Gen 7.2.2
FCC15C § 15.207 (AV)/ RSS-Gen 7.2.2

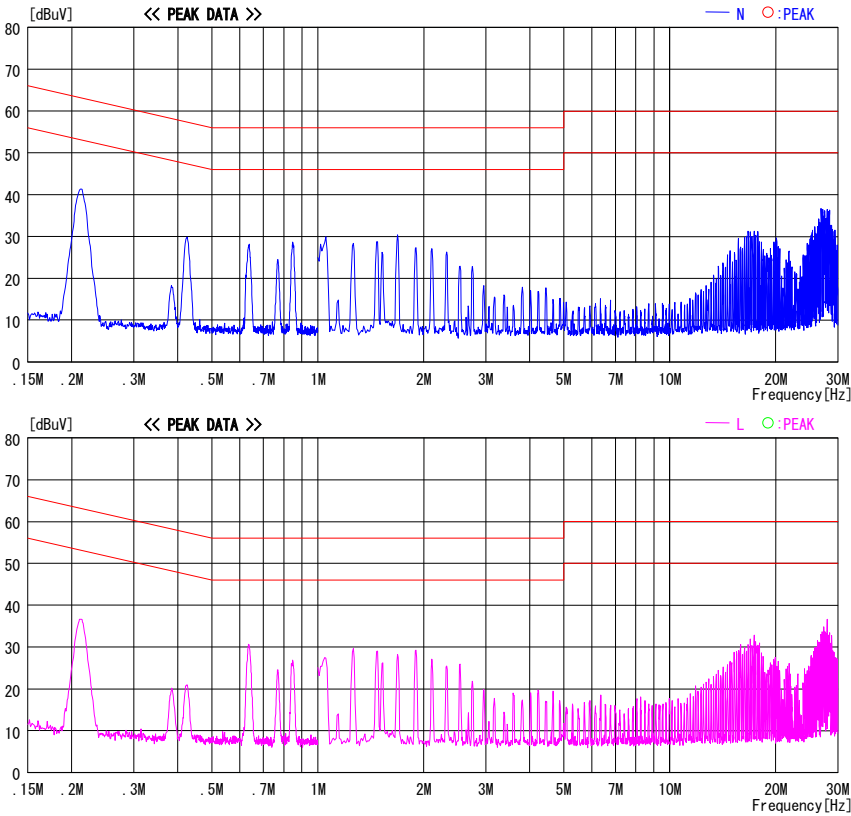


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

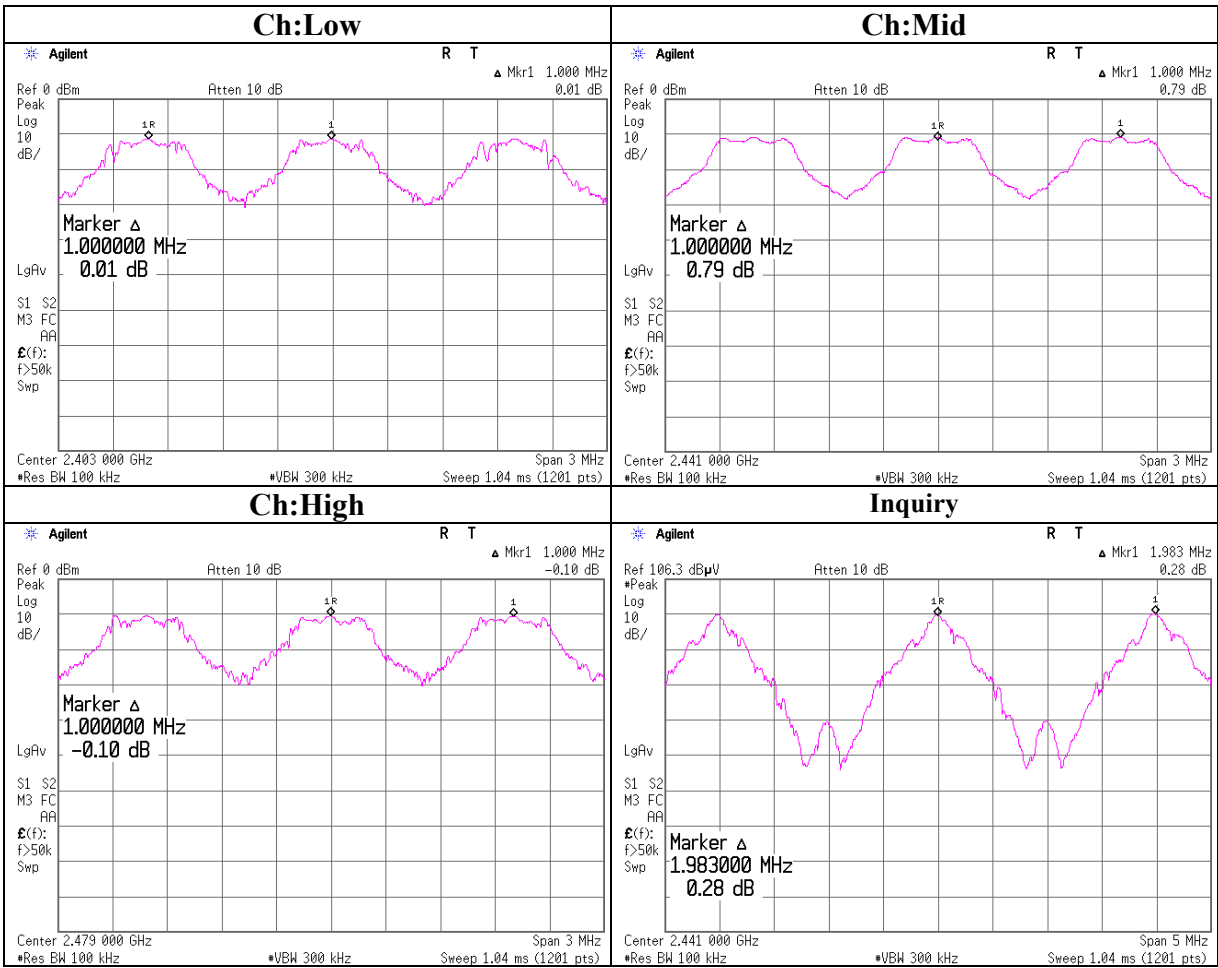
Carrier Frequency Separation

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 shielded room

COMPANY	: Sony EMCS Corporation Kisarazu TEC	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(2)
EQUIPMENT	: BLUETOOTH WIRELESS AUDIO ADAPTER	TEST DISTANCE	: -
MODEL	: TDM-BT1	DATE	: 11/09/2006
S/N	: 1	TEMPERATURE	: 23deg.C
POWER	: AC120V / 60Hz (EUT:DC5V)	HUMIDITY	: 42%
MODE	: Tx (Hopping on) /Inquiry	ENGINEER	: Shinya Watanabe

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>two-thirds of 938.00kHz (20dB Bandwidth) or 25[kHz](whichever is greater)
Mid	2441.0	1.000	>two-thirds of 928.00kHz (20dB Bandwidth) or 25[kHz](whichever is greater)
High	2480.0	1.000	>two-thirds of 930.00kHz (20dB Bandwidth) or 25[kHz](whichever is greater)
Inquiry	2441.0	1.983	>two-thirds of 772.00kHz (20dB Bandwidth) or 25[kHz](whichever is greater)

Carrier Frequency Separation



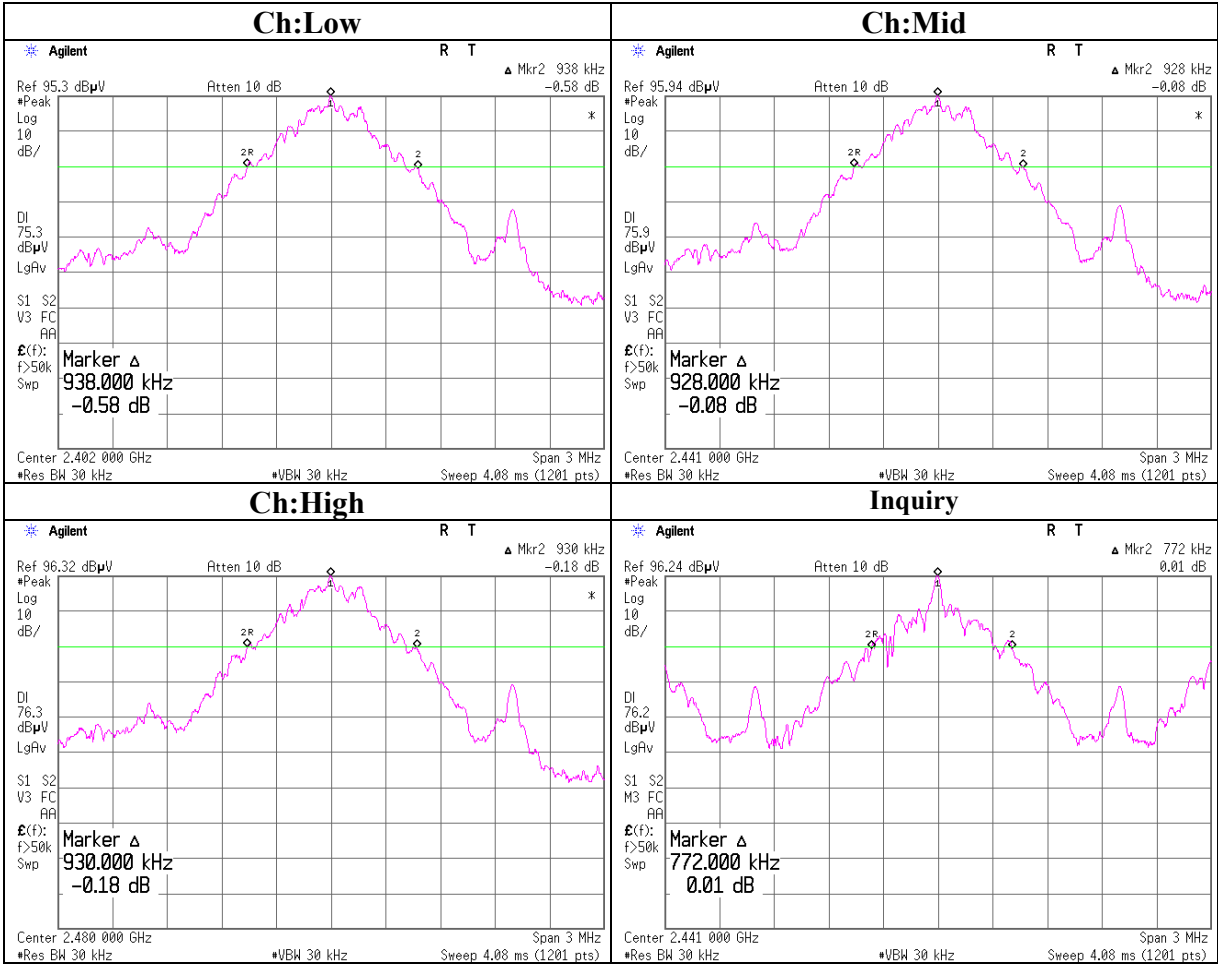
20dB Bandwidth

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 shielded room

COMPANY	: Sony EMCS Corporation Kisarazu TEC	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(1)
EQUIPMENT	: BLUETOOTH WIRELESS AUDIO ADAPTER	TEST DISTANCE	: -
MODEL	: TDM-BT1	DATE	: 11/09/2006
S/ N	: 1	TEMPERATURE	: 23deg.C
POWER	: AC120V / 60Hz (EUT: DC5V)	HUMIDITY	: 42%
MODE	: Tx (Hopping off) /Inquiry	ENGINEER	: Shinya Watanabe

Ch	Freq.	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.938	-
Mid	2441.0	0.928	-
High	2480.0	0.930	-
Inquiry	2441.0	0.772	-

20dB Bandwidth



Number of Hopping Frequency

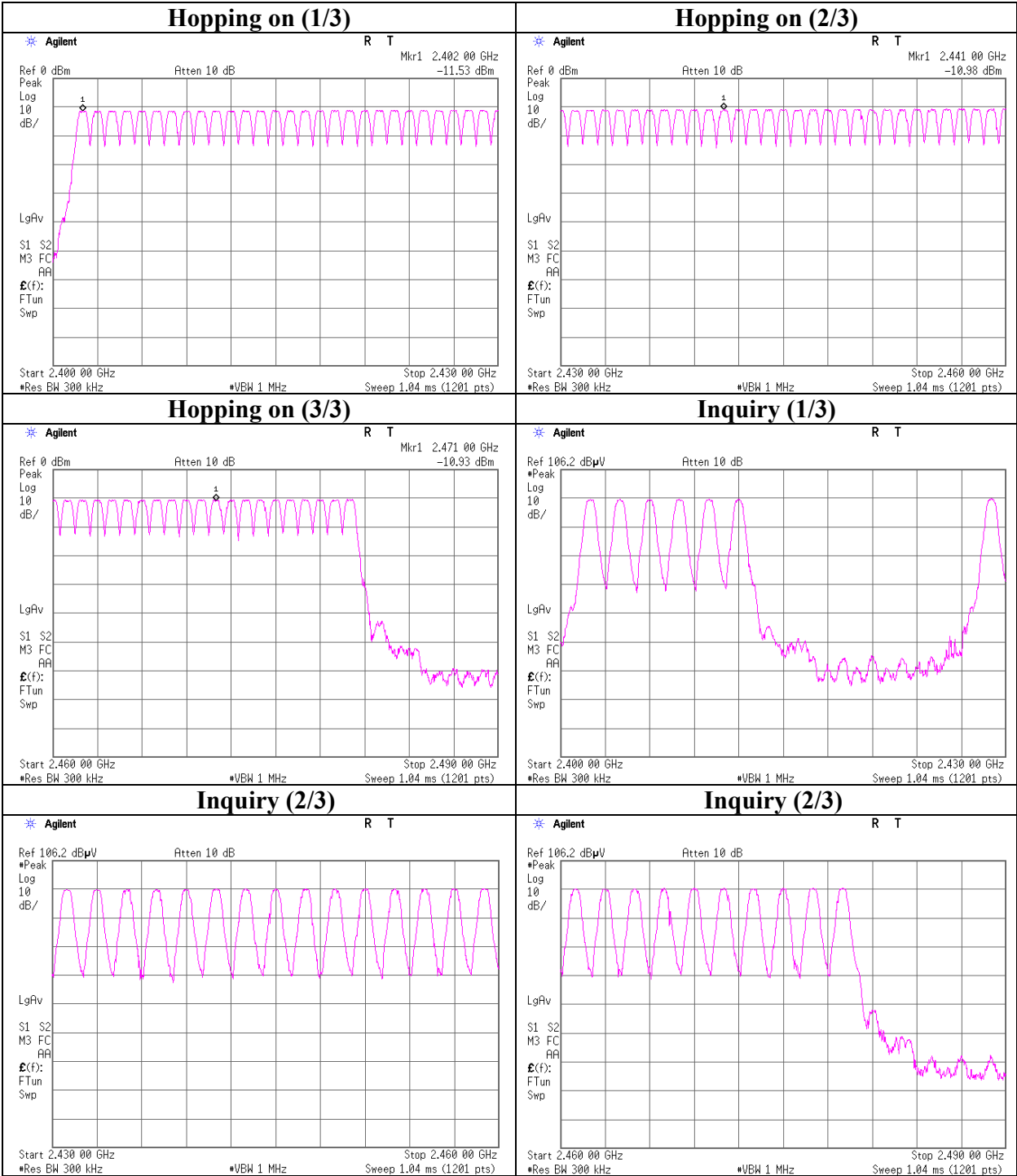
UL Apex Co., Ltd.
Head Office EMC Lab. No.6 shielded room

COMPANY	: Sony EMCS Corporation Kisarazu TEC	REGULATION	: FCC15.247(a)(1)(iii)/RSS-210A8.1(4)
EQUIPMENT	: BLUETOOTH WIRELESS AUDIO ADAPTER	TEST DISTANCE	: -
MODEL	: TDM-BT1	DATE	: 11/09/2006
S/ N	: 1	TEMPERATURE	: 23deg.C
POWER	: AC120V / 60Hz (EUT:DC5V)	HUMIDITY	: 42%
MODE	: Tx (Hopping on) /Inquiry	ENGINEER	: Shinya Watanabe

Mode	Number of channel	Limit
	[time]	[time]
Tx(Hoppng on)	79	≥ 15

Mode	Number of channel	Limit
	[time]	[time]
Inquiry	32	≥ 15

Number of Hopping Frequency



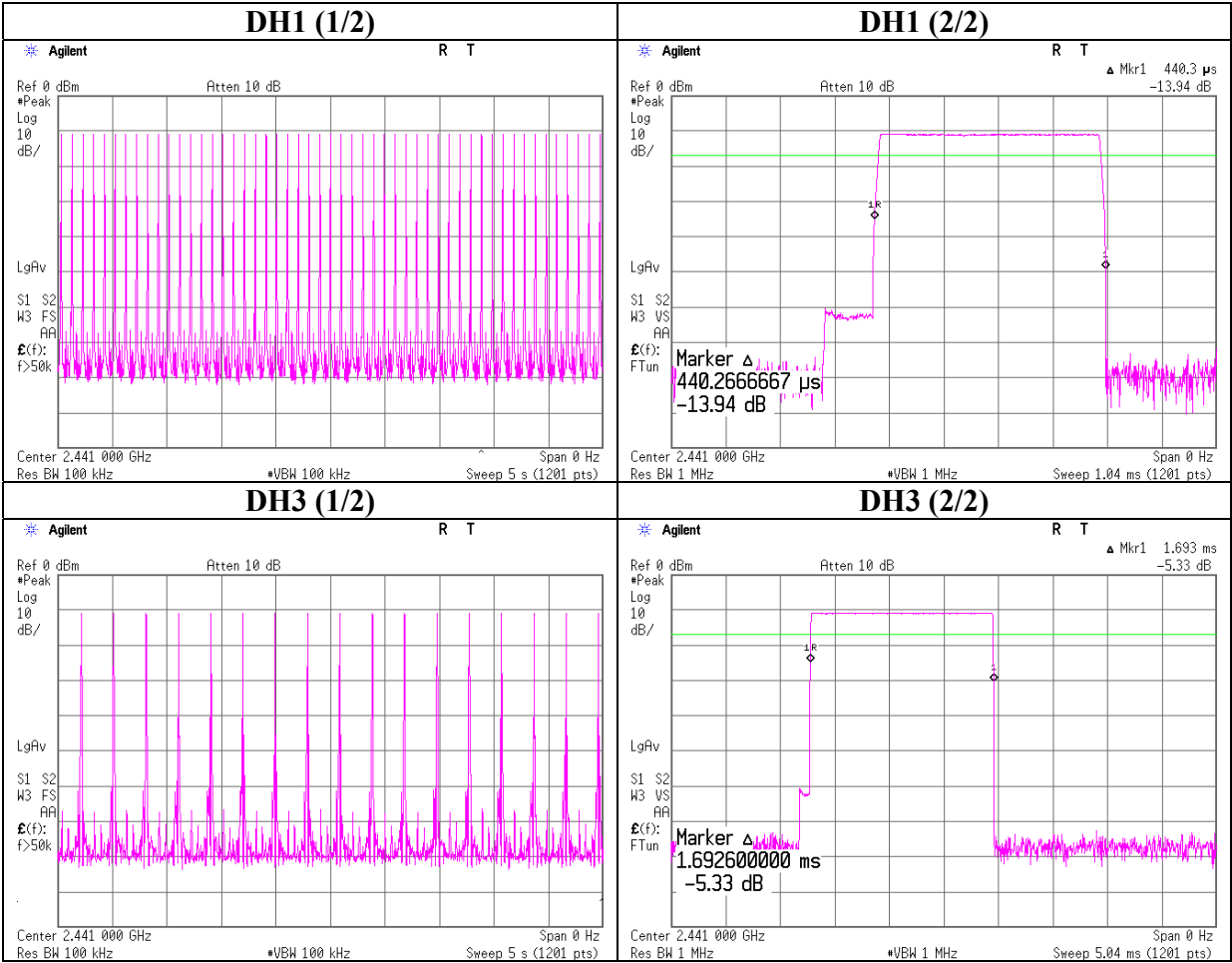
Dwell time

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 shielded room

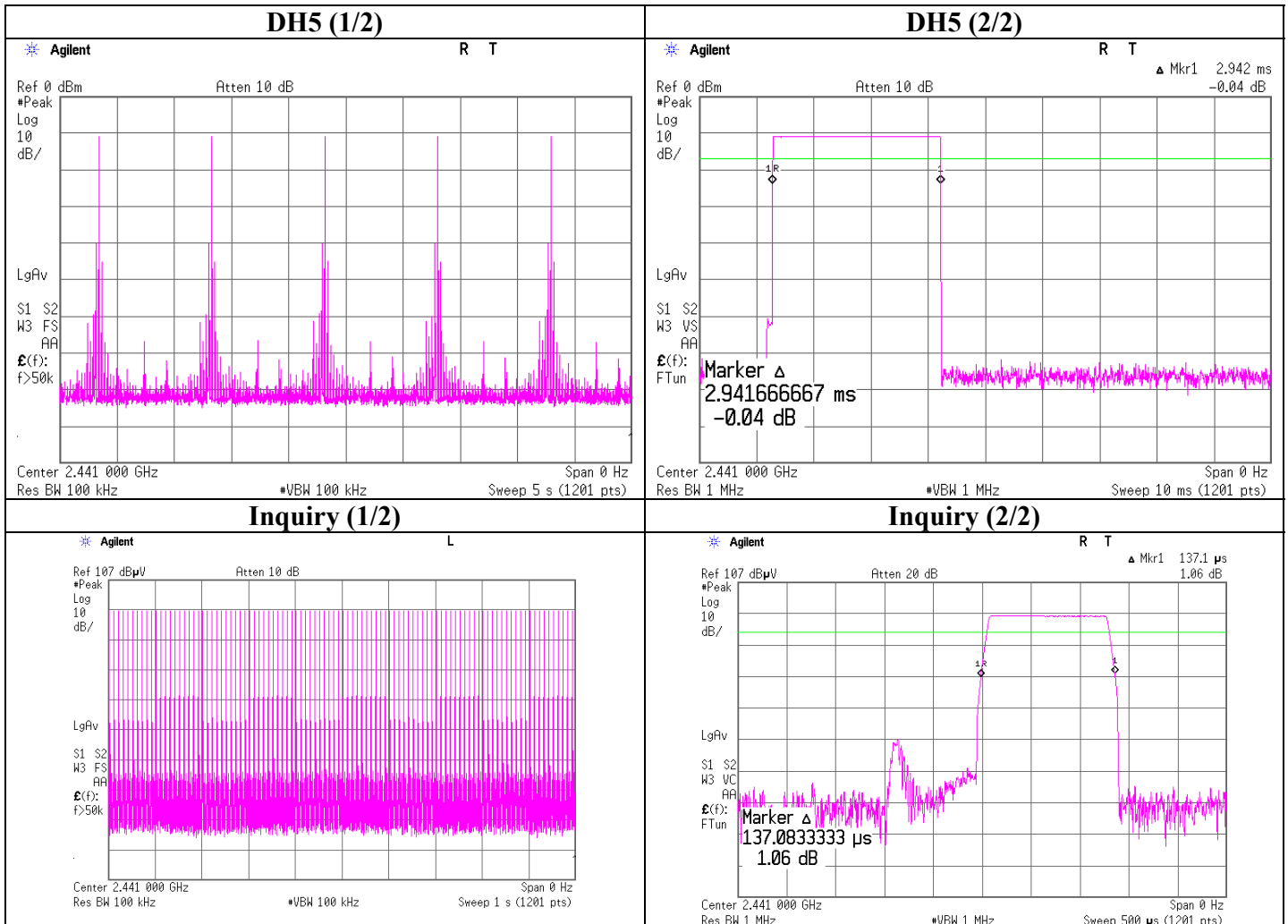
COMPANY	: Sony EMCS Corporation Kisarazu TEC	REGULATION	: FCC15.247(a)(1)(iii)/RSS-210A8.1(4)
EQUIPMENT	: BLUETOOTH WIRELESS AUDIO ADAPTER	TEST DISTANCE	: -
MODEL	: TDM-BT1	DATE	: 11/09/2006
S/ N	: 1	TEMPERATURE	: 23deg.C
POWER	: AC120V / 60Hz (EUT:DC5V)	HUMIDITY	: 42%
MODE	: Tx (Hopping on) /Inquiry	ENGINEER	: Shinya Watanabe

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	51 times / 5 sec. x 31.6 sec. = 322 times	0.440	142	400
DH3	17 times / 5 sec. x 31.6 sec. = 107 times	1.693	182	400
DH5	5 times / 5 sec. x 31.6 sec. = 32 times	2.942	93	400
Inquiry	100 times / 1 sec. x 12.8 sec. = 1280 times	0.137	175	400

Dwell time



Dwell time



Maximum Peak Output Power

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

COMPANY	: Sony EMCS Corporation Kisarazu TEC	REGULATION	: FCC15.247(b)(1)/RSS-210A8.4(2)
EQUIPMENT	: BLUETOOTH WIRELESS AUDIO ADAPTER	TEST DISTANCE	: -
MODEL	: TDM-BT1	DATE	: 11/11/2006
S/N	: 1	TEMPERATURE	: 25deg.C
POWER	: AC120V /60Hz (EUT input DC 5V)	HUMIDITY	: 51%
MODE	: Tx(Hopping Off)/Inquiry	ENGINEER	: Shinya Watanabe

Ch	Freq. [MHz]	P/M PK Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-11.38	1.17	10.14	-0.07	0.98	20.97	125	21.04
Mid	2441.0	-10.86	1.17	10.14	0.45	1.11	20.97	125	20.52
High	2480.0	-10.48	1.29	10.14	0.95	1.24	20.97	125	20.02
Inquiry	2441.0	-10.65	1.17	10.14	0.66	1.16	20.97	125	20.31

Sample Calculation:

Result = Reading + Cable Loss(supplied by customer) + Cable Loss + Attenuator

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

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

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

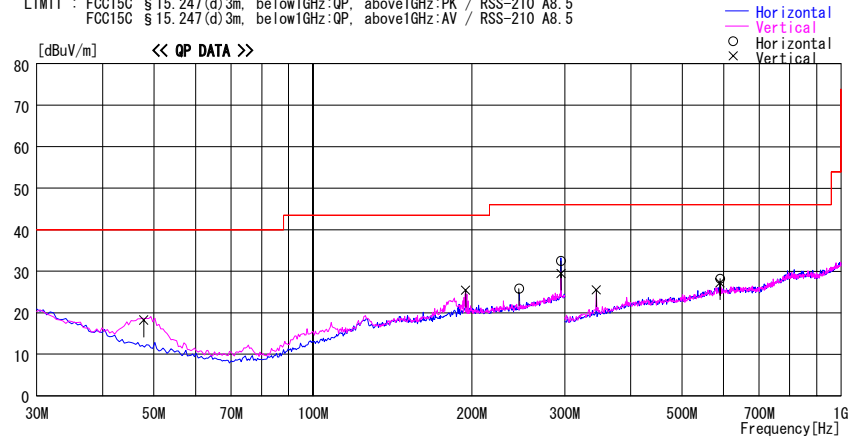
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/08 21:21:22

Company : Sony EMCS Corporation Kisarazu TEC Report No. : 27DE0029-HO
Kind of EUT : BLUETOOTH WIRELESS AUDIO ADAPTER Power : AC120V/60Hz (EUT:DC 5V)
Model No. : TDM-BT1 Temp./Humi. : 24deg. C. / 33%
Serial No. : 2 Operator : Makoto Kosaka

Mode / Remarks : BT DH5 Tx 2402MHz H/V Y-axis(worst)

LIMIT : FCC15C § 15.247(d)3m, below1GHz:QP, above1GHz:PK / RSS-210 A8.5
FCC15C § 15.247(d)3m, below1GHz:QP, above1GHz:AV / RSS-210 A8.5



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
47.848	31.9	QP	11.2	-24.9	18.2	143	100	Vert.	40.0	21.8	
194.691	31.4	QP	17.0	-23.0	25.4	188	100	Vert.	43.5	18.1	
245.764	30.5	QP	17.9	-22.6	25.8	267	269	Hori.	46.0	20.2	
294.917	34.5	QP	20.3	-22.3	32.5	102	310	Hori.	46.0	13.5	
294.917	31.5	QP	20.3	-22.3	29.5	276	100	Vert.	46.0	16.5	
344.069	31.4	QP	16.1	-22.0	25.5	69	100	Vert.	46.0	20.5	
589.831	29.3	QP	19.7	-20.8	28.2	173	100	Hori.	46.0	17.8	
589.831	28.3	QP	19.7	-20.8	27.2	162	100	Vert.	46.0	18.8	

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)
(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 : 2006/11/08 22:17:16

Company : Sony EMCS Corporation Kisarazu TEC Report No. : 27DE0029-HO
Kind of EUT : BLUETOOTH WIRELESS AUDIO ADAPTER Power : AC120V/60Hz (EUT:DC 5V)
Model No. : TDM-BT1 Temp./Humi. : 24deg. C. / 33%
Serial No. : 2 Operator : Makoto Kosaka

Mode / Remarks : BT DH5 Tx 2441MHz H/V Y-axis(worst)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP, above1GHz:PK / RSS-210 A8.5
FCC15C § 15.247(d) 3m, below1GHz:QP, above1GHz:AV / RSS-210 A8.5

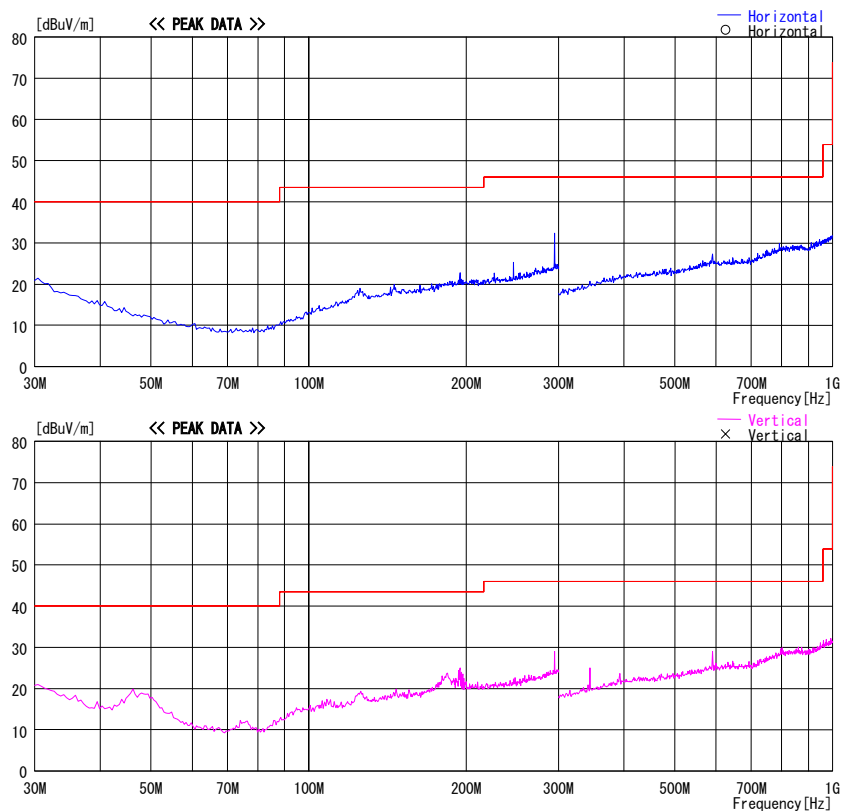


CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz-:HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission (below 1GHz)
(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 : 2006/11/08 22:41:31

Company

Kind of EUT

Model No.

Serial No.

: Sony EMCS Corporation Kisarazu TEC

: BLUETOOTH WIRELESS AUDIO ADAPTER

: TDM-BT1

: 2

Report No.

Power

Temp./Humi.

Operator

: 27DE0029-H0

: AC120V/60Hz (EUT:DC 5V)

: 24deg. C. / 33%

: Makoto Kosaka

Mode / Remarks : BT DH5 Tx 2480MHz H/V Y-axis(worst)

LIMIT : FCC15C § 15.247(d)3m, below1GHz:QP, above1GHz:PK / RSS-210 A8.5
FCC15C § 15.247(d)3m, below1GHz:QP, above1GHz:AV / RSS-210 A8.5

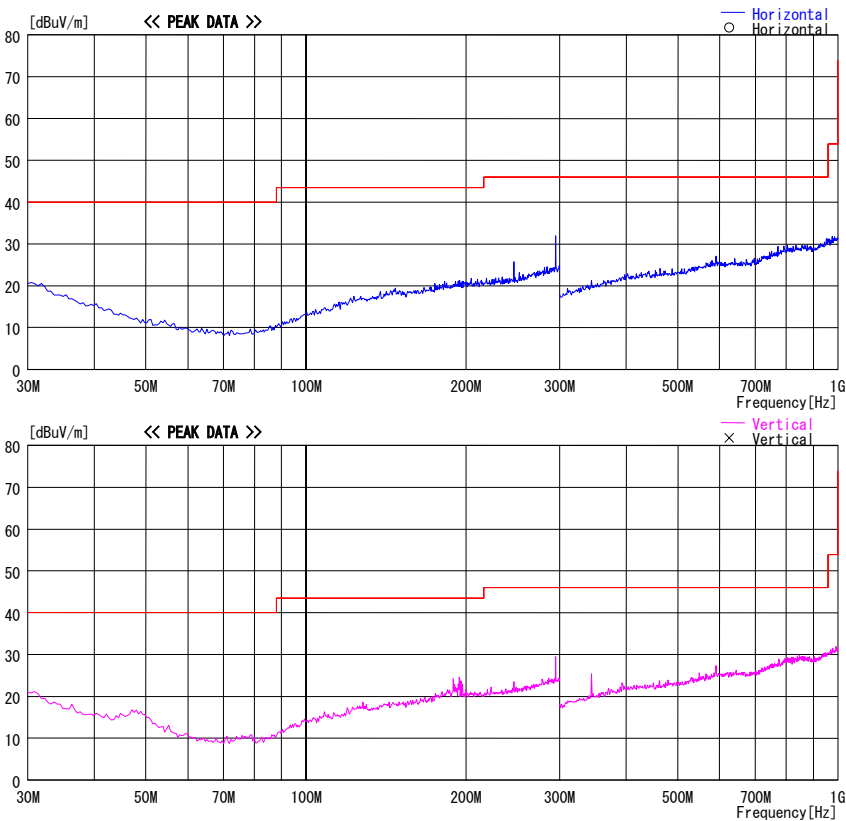


CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz:-HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Spurious Emission (below 1GHz)
(Rx, 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 : 2006/11/08 23:19:30

Company : Sony EMCS Corporation Kisarazu TEC

Kind of EUT : BLUETOOTH WIRELESS AUDIO ADAPTER

Model No. : TDM-BT1

Serial No. : 2

Report No. : 27DE0029-H0

Power : AC120V/60Hz (EUT:DC 5V)

Temp./Humi. : 24deg. C. / 33%

Operator : Makoto Kosaka

Mode / Remarks : Rx 2441MHz H/V Y-axis(worst)

LIMIT : FCC15C § 15.247(d)3m, below1GHz:QP / RSS-Gen 7.2.3
Except for the data below : adeauate margin data below the limits. The limit values at frequencies exceptir

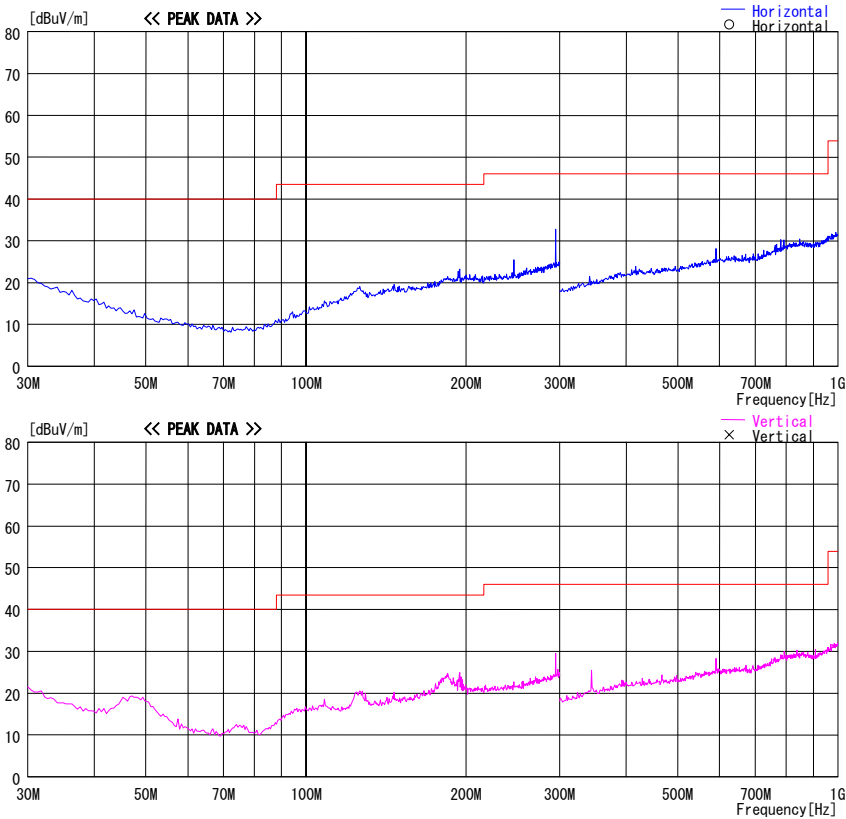


CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz-:HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

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

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

Company : Sony EMCS Corporation Kisarazu TEC REPORT NO : 27DE0029-HO
Equipment : BLUETOOTH WIRELESS AUDIO ADAPTER REGULATION : FCC15.247(d)/RSS-210A8.5
Model : TDM-BT1 TEST DISTANCE : 3/1m
Sample No. : 2 DATE : 11/07/2006
Power : AC120V / 60Hz (EUT: DC5.0V) TEMPERATURE : 23deg.C
Mode : Tx 2402MHz BT DH5 HUMIDITY : 32%
Remarks : Hor Y , Ver Y-axis ENGINEER : Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1602.0	51.7	49.9	26.6	33.8	1.9	0.0	46.4	44.6	74.0	27.6	29.4
2	2390.0	46.1	45.0	29.1	32.8	2.2	0.0	44.6	43.5	74.0	29.4	30.5
3	4804.0	44.7	45.5	33.4	31.6	3.5	0.1	50.1	50.9	74.0	23.9	23.1
4	7206.0	NS	NS	37.3	32.1	4.3	0.3	-	-	74.0	-	-
5	9608.0	NS	NS	39.4	33.1	5.0	0.7	-	-	74.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12010.0	NS	NS	40.5	33.0	5.8	0.0	-	-	74.0	-	-
7	14412.0	NS	NS	41.5	32.3	6.3	0.0	-	-	74.0	-	-
8	16814.0	NS	NS	40.4	32.1	6.8	0.0	-	-	74.0	-	-
9	19216.0	NS	NS	37.2	31.8	7.3	0.0	-	-	74.0	-	-
10	21618.0	NS	NS	37.5	32.3	7.7	0.0	-	-	74.0	-	-
11	24020.0	46.3	46.2	38.8	31.6	8.1	0.0	52.1	52.0	74.0	21.9	22.0

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1602.0	47.5	44.3	26.6	33.8	1.9	0.0	42.2	39.0	54.0	11.8	15.0
2	2390.0	30.7	30.7	29.1	32.8	2.2	0.0	29.2	29.2	54.0	24.8	24.8
3	4804.0	30.2	30.0	33.4	31.6	3.5	0.1	35.6	35.4	54.0	18.4	18.6
4	7206.0	NS	NS	37.3	32.1	4.3	0.3	-	-	54.0	-	-
5	9608.0	NS	NS	39.4	33.1	5.0	0.7	-	-	54.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12010.0	NS	NS	40.5	33.0	5.8	0.0	-	-	54.0	-	-
7	14412.0	NS	NS	41.5	32.3	6.3	0.0	-	-	54.0	-	-
8	16814.0	NS	NS	40.4	32.1	6.8	0.0	-	-	54.0	-	-
9	19216.0	NS	NS	37.2	31.8	7.3	0.0	-	-	54.0	-	-
10	21618.0	NS	NS	37.5	32.3	7.7	0.0	-	-	54.0	-	-
11	24020.0	32.7	32.7	38.8	31.6	8.1	0.0	38.5	38.5	54.0	15.5	15.5

NS: non signal

20dBc(Fundamental 2402MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR [dBuV/m]	VER [dB]		HOR [dB]	VER [dB]
		[dBuV]										
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2402.0	100.6	99.6	29.1	32.8	2.2	0.0	99.1	98.1	-	-	-
2	2400.0	47.3	45.9	29.1	32.8	2.2	0.0	45.8	44.4	Funda-20dB	33.3	33.7

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.

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

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

Company : Sony EMCS Corporation Kisarazu TEC	REPORT NO : 27DE0029-HO
Equipment : BLUETOOTH WIRELESS AUDIO ADAPTER	REGULATION : FCC15.247(d)/RSS-210A8.5
Model : TDM-BT1	TEST DISTANCE : 3/1m
Sample No. : 2	DATE : 11/07/2006
Power : AC120V / 60Hz (EUT: DC5.0V)	TEMPERATURE : 23deg.C
Mode : Tx 2441MHz BT DH5	HUMIDITY : 32%
Remarks : Hor Y , Ver Y-axis	ENGINEER : Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1628.0	52.1	50.1	26.8	33.7	1.9	0.0	47.1	45.1	74.0	26.9	28.9
2	4882.0	43.9	44.4	33.6	31.6	3.5	0.0	49.4	49.9	74.0	24.6	24.1
2	7323.0	NS	NS	37.4	32.2	4.3	0.4	-	-	74.0	-	-
3	9764.0	NS	NS	39.6	33.2	5.0	0.7	-	-	74.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12205.0	NS	NS	40.6	32.9	5.8	0.0	-	-	74.0	-	-
5	14646.0	NS	NS	41.0	32.4	6.3	0.0	-	-	74.0	-	-
6	17087.0	NS	NS	41.3	32.0	6.8	0.0	-	-	74.0	-	-
7	19528.0	NS	NS	37.5	31.9	7.3	0.0	-	-	74.0	-	-
8	21969.0	NS	NS	37.9	32.1	7.8	0.0	-	-	74.0	-	-
9	24410.0	46.7	46.5	38.7	31.1	8.2	0.0	53.0	52.8	74.0	21.0	21.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1628.0	47.7	44.9	26.8	33.7	1.9	0.0	42.7	39.9	54.0	11.3	14.1
2	4882.0	29.8	30.4	33.6	31.6	3.5	0.0	35.3	35.9	54.0	18.7	18.1
2	7323.0	NS	NS	37.4	32.2	4.3	0.4	-	-	54.0	-	-
3	9764.0	NS	NS	39.6	33.2	5.0	0.7	-	-	54.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12205.0	NS	NS	40.6	32.9	5.8	0.0	-	-	54.0	-	-
5	14646.0	NS	NS	41.0	32.4	6.3	0.0	-	-	54.0	-	-
6	17087.0	NS	NS	41.3	32.0	6.8	0.0	-	-	54.0	-	-
7	19528.0	NS	NS	37.5	31.9	7.3	0.0	-	-	54.0	-	-
8	21969.0	NS	NS	37.9	32.1	7.8	0.0	-	-	54.0	-	-
9	24410.0	31.9	31.9	38.7	31.1	8.2	0.0	38.2	38.2	54.0	15.8	15.8

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

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

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

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

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

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

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

Company : Sony EMCS Corporation Kisarazu TEC	REPORT NO : 27DE0029-HO
Equipment : BLUETOOTH WIRELESS AUDIO ADAPTER	REGULATION : FCC15.247(d)/RSS-210A8.5
Model : TDM-BT1	TEST DISTANCE : 3/1m
Sample No. : 2	DATE : 11/07/2006
Power : AC120V / 60Hz (EUT: DV5.0V)	TEMPERATURE : 23deg.C
Mode : Tx 2480MHz BT DH5	HUMIDITY : 32%
Remarks : Hor Y , Ver Y-axis	ENGINEER : Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1654.0	52.6	48.3	26.9	33.7	1.9	0.0	47.7	43.4	74.0	26.3	30.6
2	2483.5	55.6	55.6	29.2	32.7	2.3	0.0	54.4	54.4	74.0	19.6	19.6
3	4960.0	43.9	43.8	33.7	31.6	3.5	0.0	49.5	49.4	74.0	24.5	24.6
4	7440.0	NS	NS	37.6	32.3	4.3	0.5	-	-	74.0	-	-
5	9920.0	NS	NS	39.8	33.2	5.1	0.7	-	-	74.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12400.0	NS	NS	40.6	32.8	5.9	0.0	-	-	74.0	-	-
7	14880.0	NS	NS	40.4	32.4	6.3	0.0	-	-	74.0	-	-
8	17360.0	NS	NS	42.7	31.9	6.9	0.0	-	-	74.0	-	-
9	19840.0	NS	NS	37.5	32.0	7.4	0.0	-	-	74.0	-	-
10	22320.0	NS	NS	37.9	32.0	7.9	0.0	-	-	74.0	-	-
11	24800.0	46.3	46.3	38.7	30.6	8.3	0.0	53.2	53.2	74.0	20.8	20.8

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1654.0	48.3	40.9	26.9	33.7	1.9	0.0	43.4	36.0	54.0	10.6	18.0
2	2483.5	33.3	33.6	29.2	32.7	2.3	0.0	32.1	32.4	54.0	21.9	21.6
3	4960.0	29.7	30.1	33.7	31.6	3.5	0.0	35.3	35.7	54.0	18.7	18.3
4	7440.0	NS	NS	37.6	32.3	4.3	0.5	-	-	54.0	-	-
5	9920.0	NS	NS	39.8	33.2	5.1	0.7	-	-	54.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12400.0	NS	NS	40.6	32.8	5.9	0.0	-	-	54.0	-	-
7	14880.0	NS	NS	40.4	32.4	6.3	0.0	-	-	54.0	-	-
8	17360.0	NS	NS	42.7	31.9	6.9	0.0	-	-	54.0	-	-
9	19840.0	NS	NS	37.5	32.0	7.4	0.0	-	-	54.0	-	-
10	22320.0	NS	NS	37.9	32.0	7.9	0.0	-	-	54.0	-	-
11	24800.0	31.9	31.9	38.7	30.6	8.3	0.0	38.8	38.8	54.0	15.2	15.2

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 Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)
(Rx, Ch: Mid)

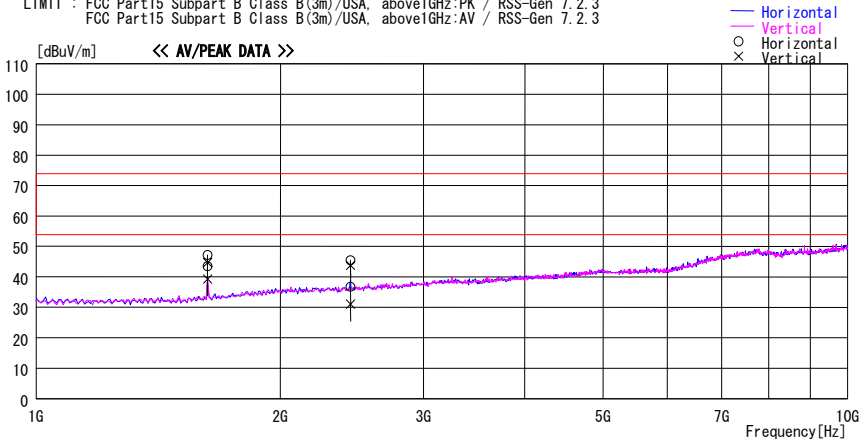
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/08 03:08:11

Company : Sony EMCS Corporation Kisarazu TEC
Kind of EUT : BLUETOOTH WIRELESS AUDIO ADAPTER
Model No. : TDM-BT1
Serial No. : 2
Report No. : 27DE0029-HO
Power : AC120V/60Hz (EUT:DC 5.0V)
Temp./Humi. : 23deg. C. / 32%
Operator : Makoto Kosaka

Mode / Remarks : BT Rx 2441MHz H/V Y-axis (worst)

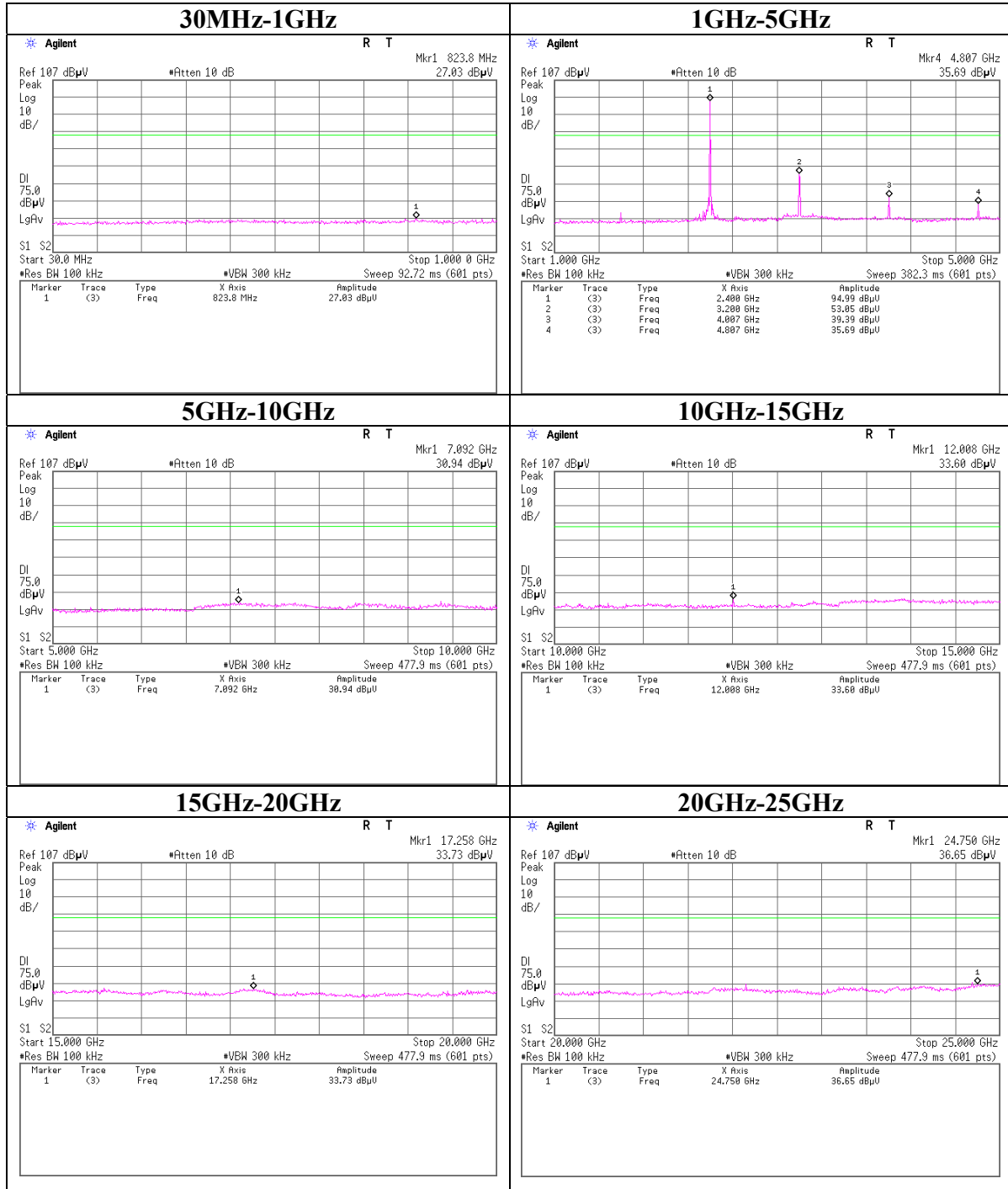
LIMIT : FCC Part15 Subpart B Class B (3m)/USA, above1GHz:PK / RSS-Gen 7.2.3
FCC Part15 Subpart B Class B (3m)/USA, above1GHz:AV / RSS-Gen 7.2.3



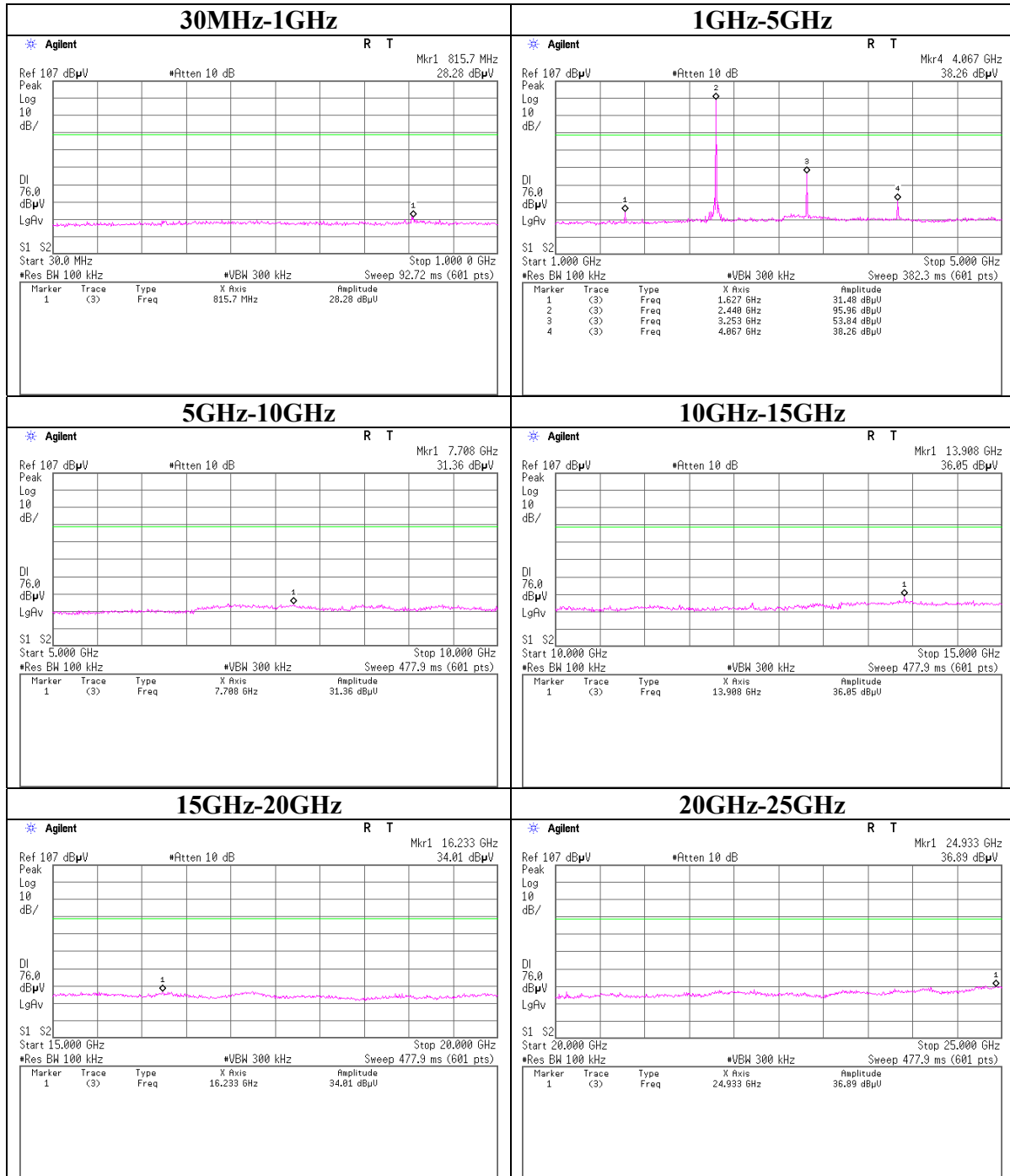
Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
1626.358	52.3	PK	26.8	-31.8	47.3	178	168	Hori.	73.9	26.6	
1626.358	49.7	PK	26.8	-31.8	44.7	256	132	Vert.	73.9	29.2	
1626.358	48.6	AV	26.8	-31.8	43.6	178	168	Hori.	53.9	10.3	
1626.358	44.3	AV	26.8	-31.8	39.3	256	132	Vert.	53.9	14.6	
2439.520	46.9	PK	29.1	-30.5	45.5	19	105	Hori.	73.9	28.4	
2439.520	45.2	PK	29.1	-30.5	43.8	117	112	Vert.	73.9	30.1	
2439.520	38.2	AV	29.1	-30.5	36.8	19	105	Hori.	53.9	17.1	
2439.520	32.5	AV	29.1	-30.5	31.1	117	112	Vert.	53.9	22.8	

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)

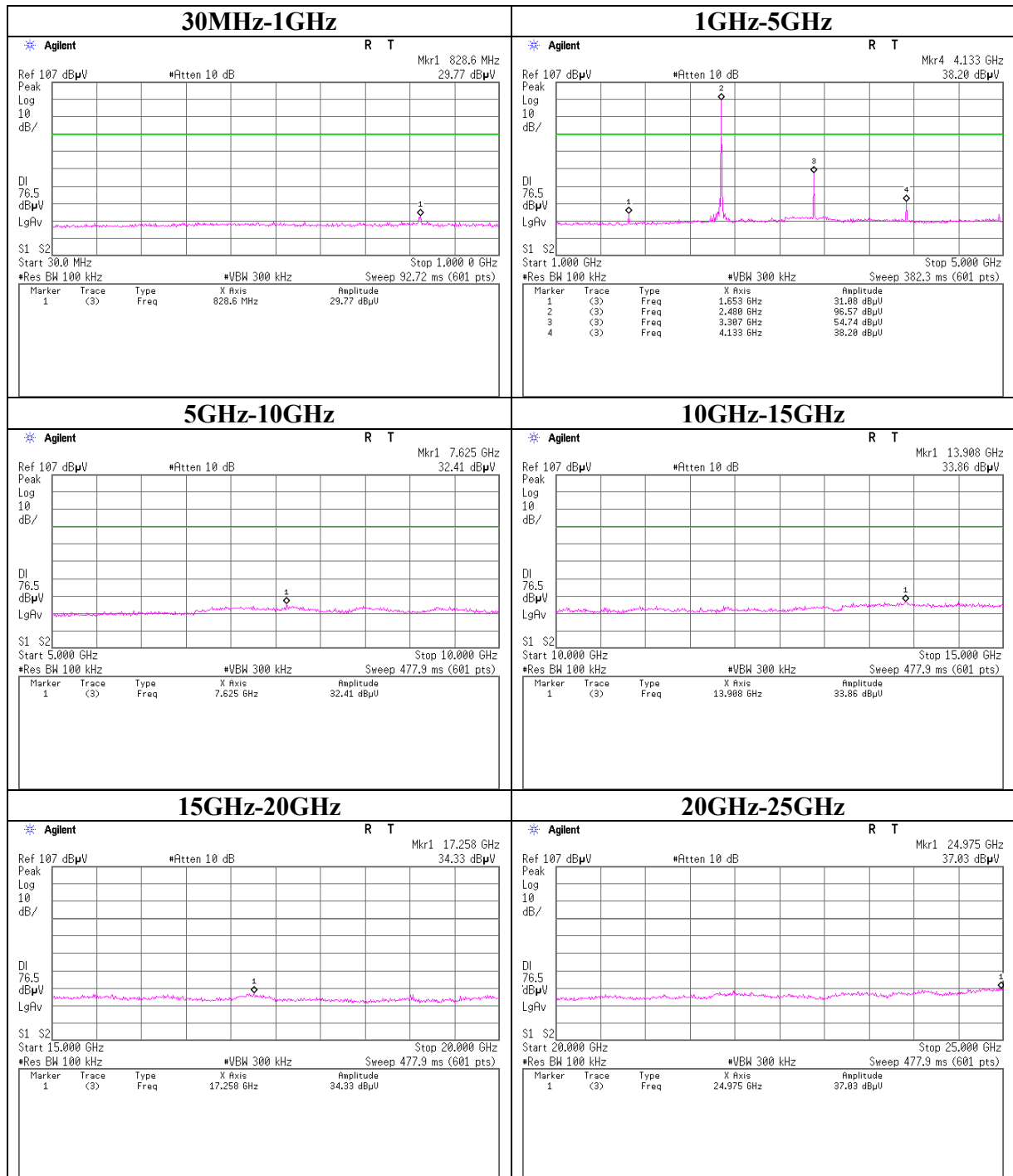
Conducted Spurious Emission
(Tx, Ch:Low)



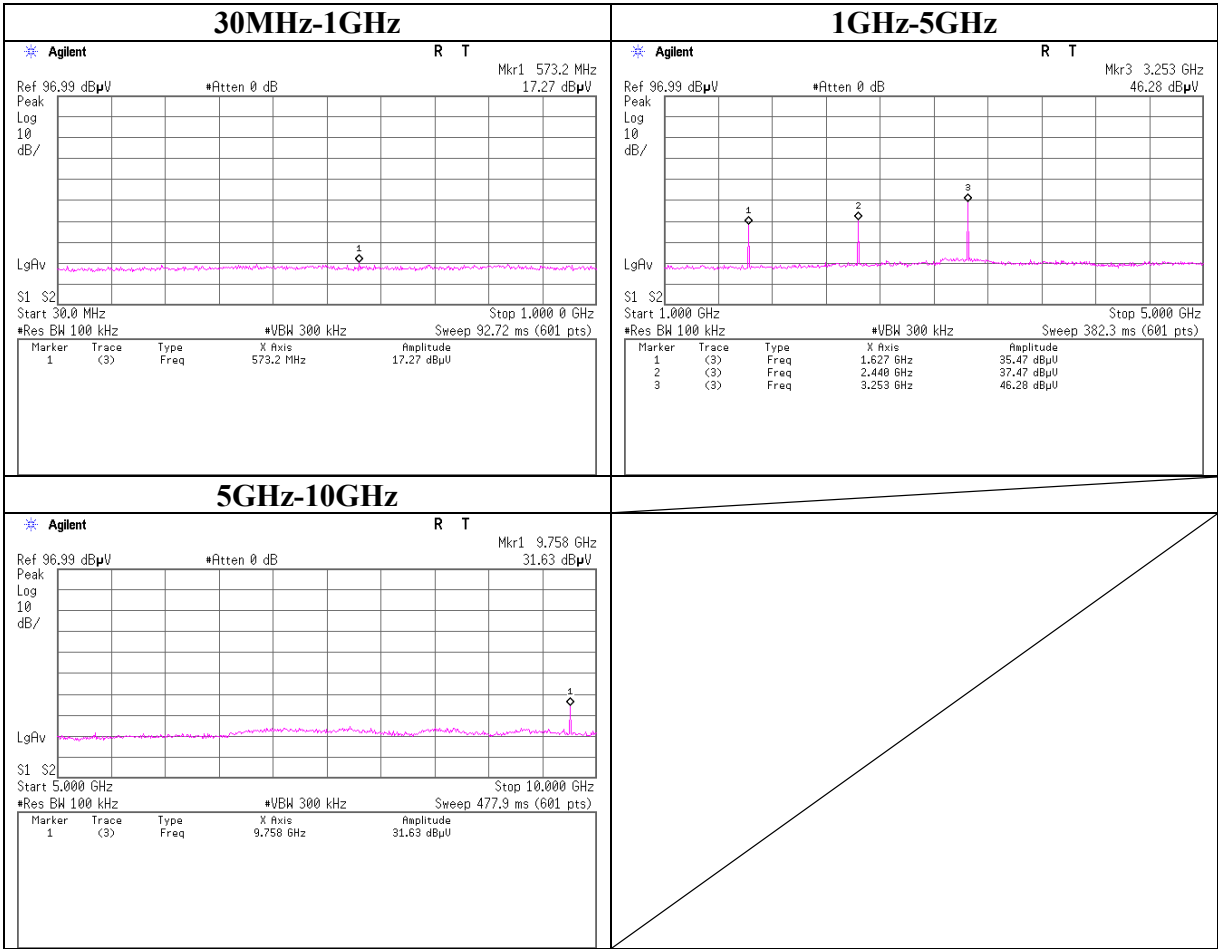
Conducted Spurious Emission
(Tx, Ch:Mid)



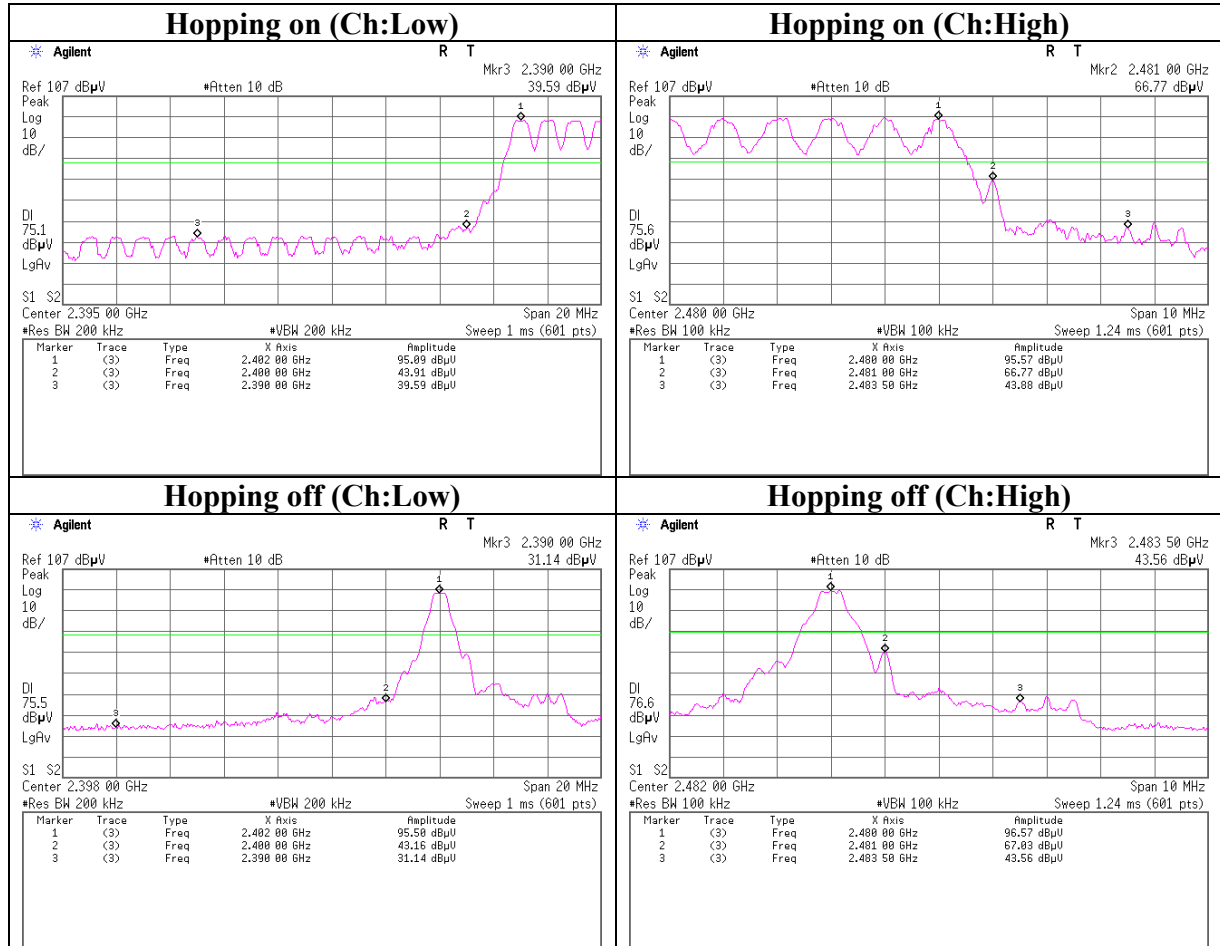
Conducted Spurious Emission
(Tx, Ch:High)



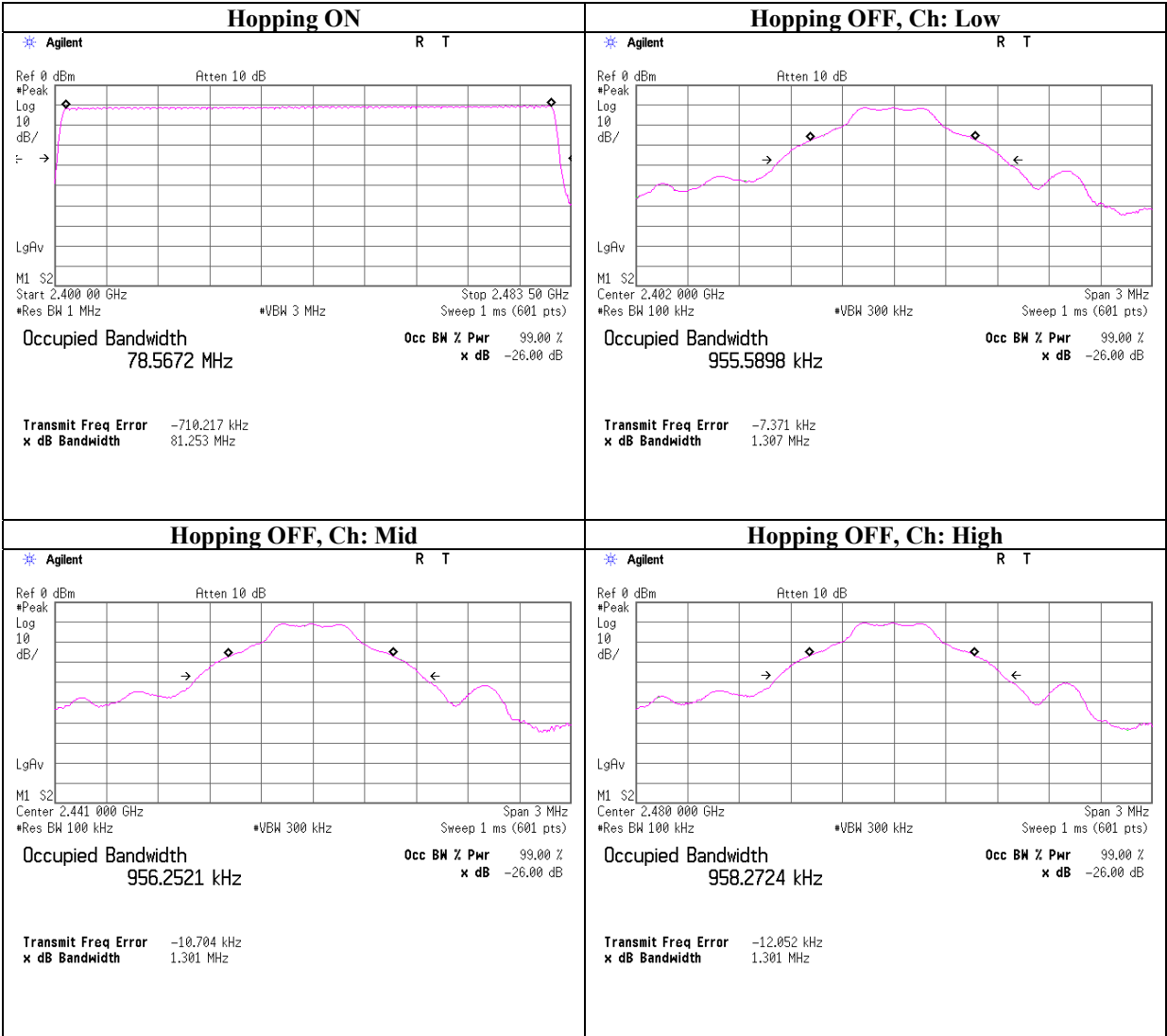
Conducted Spurious Emission
(Rx, Ch: Mid)



Conducted Spurious Emission
Band Edge compliance



99% Occupied Bandwidth



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	2006/03/03 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/01/29 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2006/01/29 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2006/03/11 * 12
MCC-51	Coaxial cable	UL Apex	-	RE/CE	2006/03/11 * 12
MPA-13	Pre Amplifier	SONOA INSTRUMENT	310	RE	2006/03/25 * 12
MSA-06	Spectrum Analyzer	Agilent	E4407B	RE	2006/05/24 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/04/06 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2006/04/15 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MHF-06	High Pass Filter 3.5-24GHz	Tokimec	TF323DCA	RE	2006/05/20 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE	2006/06/02 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	CE	2006/05/20 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2006/01/19 * 24
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MCC-15	Microwave Cable 1G-26.5GHz 1m	Suhner	SUCOFLEX 104	AT	2006/02/02 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2006/03/18 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2004/11/25 * 24
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	AT	2006/02/02 * 12
MAT-20	Attenuator(10dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2006/01/10 * 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:

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

UL Apex Co., Ltd.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)