

APPENDIX 2: Data of EMI test

Peak Output Power (Conducted)

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

COMPANY	SHARP CORPORATION	REPORT NO	28FE0217-HO
EQUIPMENT	GSM Mobile Phone	REGULATION	FCC Part22 Section 22.913(a)
MODEL	PV210	TEST METHOD	FCC Part2 Section 2.1046
S/N	168	TEST DISTANCE	-
POWER	DC3.9V(Rated Voltage)	DATE	03/16/2008
MODE	Tx 824.2MHz (128ch)/PCL=5(MAX Pow)	TEMPERATURE	25°C
	Tx 836.6MHz (190ch)/PCL=5(MAX Pow)	HUMIDITY	40%
	Tx 848.8MHz (251ch)/PCL=5(MAX Pow)	ENGINEER	Yutaka Yoshida

<GSM>

Ch	Frequency [MHz]	P/M Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit (7W) [dBm]	Margin [dB]
Low	824.2	7.8	20.0	4.6	32.4	38.5	6.1
Mid	836.6	8.0	20.0	4.6	32.6	38.5	5.9
High	848.8	8.0	20.0	4.6	32.6	38.5	5.9

<EGPRS>

Ch	Frequency [MHz]	P/M Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit (7W) [dBm]	Margin [dB]
Low	824.2	7.8	20.0	4.6	32.4	38.5	6.1
Mid	836.6	7.9	20.0	4.6	32.5	38.5	6.0
High	848.8	7.9	20.0	4.6	32.5	38.5	6.0

Sample Calculation : Result = Reading + Atten. + Cable Loss

Peak Output Power (Radiated)

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.913(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1046
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	03/19/2008 03/18/2008
Mode	GSM Mode / EGPRS Mode	Temperature	22 deg.C. 23 deg.C.
	Tx 824.2MHz(Ch128) / MAX Power	Humidity	44 % 38 %
	Tx 836.6MHz(Ch190) / MAX Power		
	Tx 848.8MHz(Ch251) / MAX Power		
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama Satofumi Matsuyama
Tx Antenna	0.8m Height		

<GSM>

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	824.20	128.4	123.6				36.8	36.1		1.6	2.2		
2	836.60	130.0	123.7	38.5	36.1	1.7	2.2	9.7	27.1	24.7	38.5	11.4	13.8	Operating	No4
3	848.80	130.3	125.6	39.0	37.9	1.7	2.2	9.7	27.6	26.5	38.5	10.9	12.0	Operating	No4

<EGPRS>

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	824.20	125.6	124.2				34.0	36.7		1.6	2.2		
2	836.60	128.0	125.5	36.5	37.9	1.7	2.2	9.7	25.1	26.5	38.5	13.4	12.0	Operating	No4
3	848.80	128.7	126.7	37.4	39.0	1.7	2.2	9.7	26.0	27.6	38.5	12.5	10.9	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15
Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)
Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)
All other emissions were at least 20dB below the specification limit.
The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.
With the result above, the effective radiated power was calculated on the basis of the reference value
- for the calibration data on the substitution measurement.

*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:3MHz, VBW:3MHz)

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Emission Bandwidth

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

COMPANY	SHARP CORPORATION	REPORT NO	28FE0217-HO
EQUIPMENT	GSM Mobile Phone	REGULATION	FCC Part22 Section 22.917(b)
MODEL	PV210	TEST METHOD	FCC Part2 Section 2.1049
S/N	168	TEST DISTANCE	-
POWER	DC3.9V (Rated Voltage)	DATE	03/16/2008
MODE	Tx 824.2MHz (128ch)/PCL=5(MAX Pow)	TEMPERATURE	25°C
	Tx 836.6MHz (190ch)/PCL=5(MAX Pow)	HUMIDITY	40%
	Tx 848.8MHz (251ch)/PCL=5(MAX Pow)	ENGINEER	Yutaka Yoshida

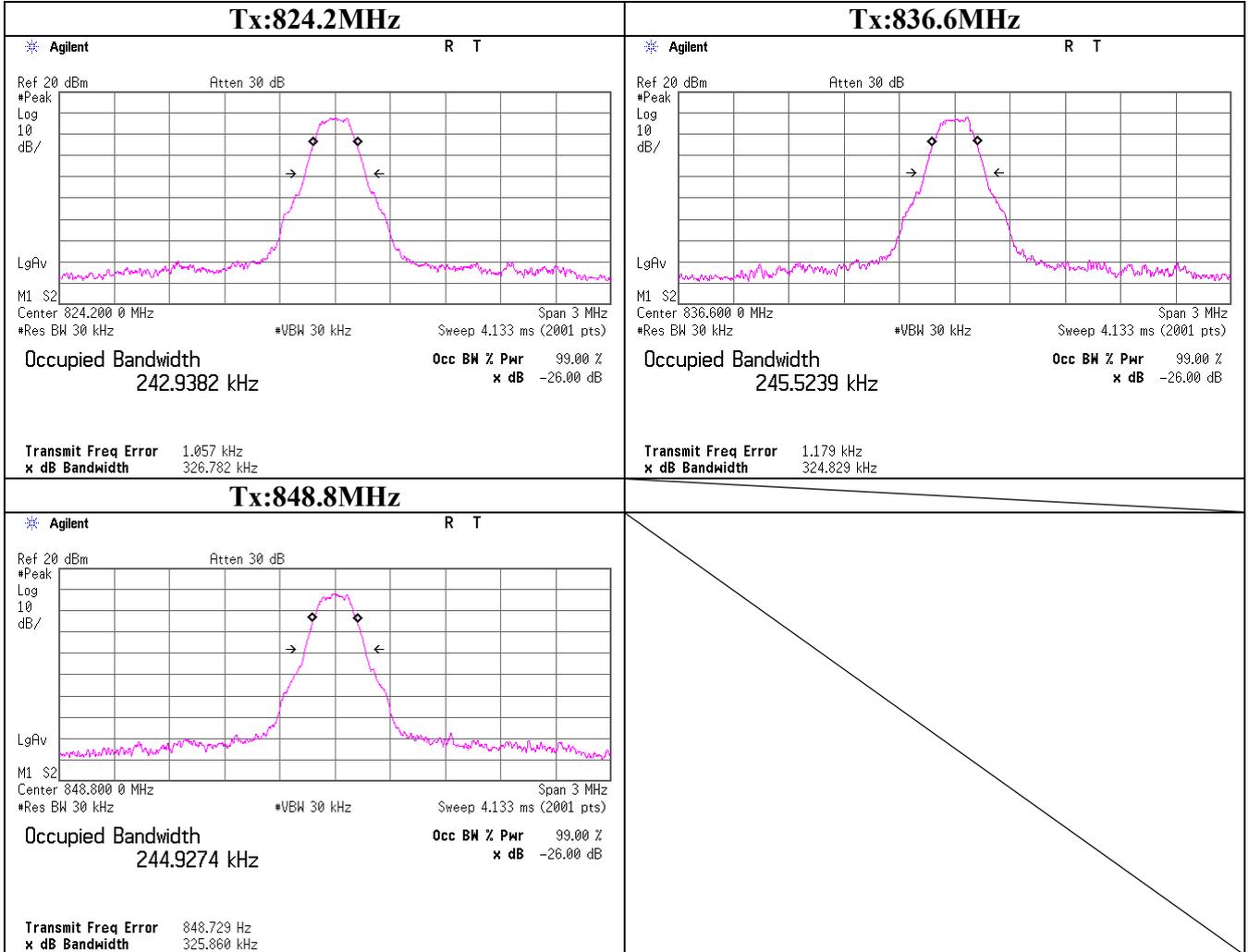
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CH	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	824.2	326.8	-
Mid	836.6	324.8	-
High	848.8	325.9	-

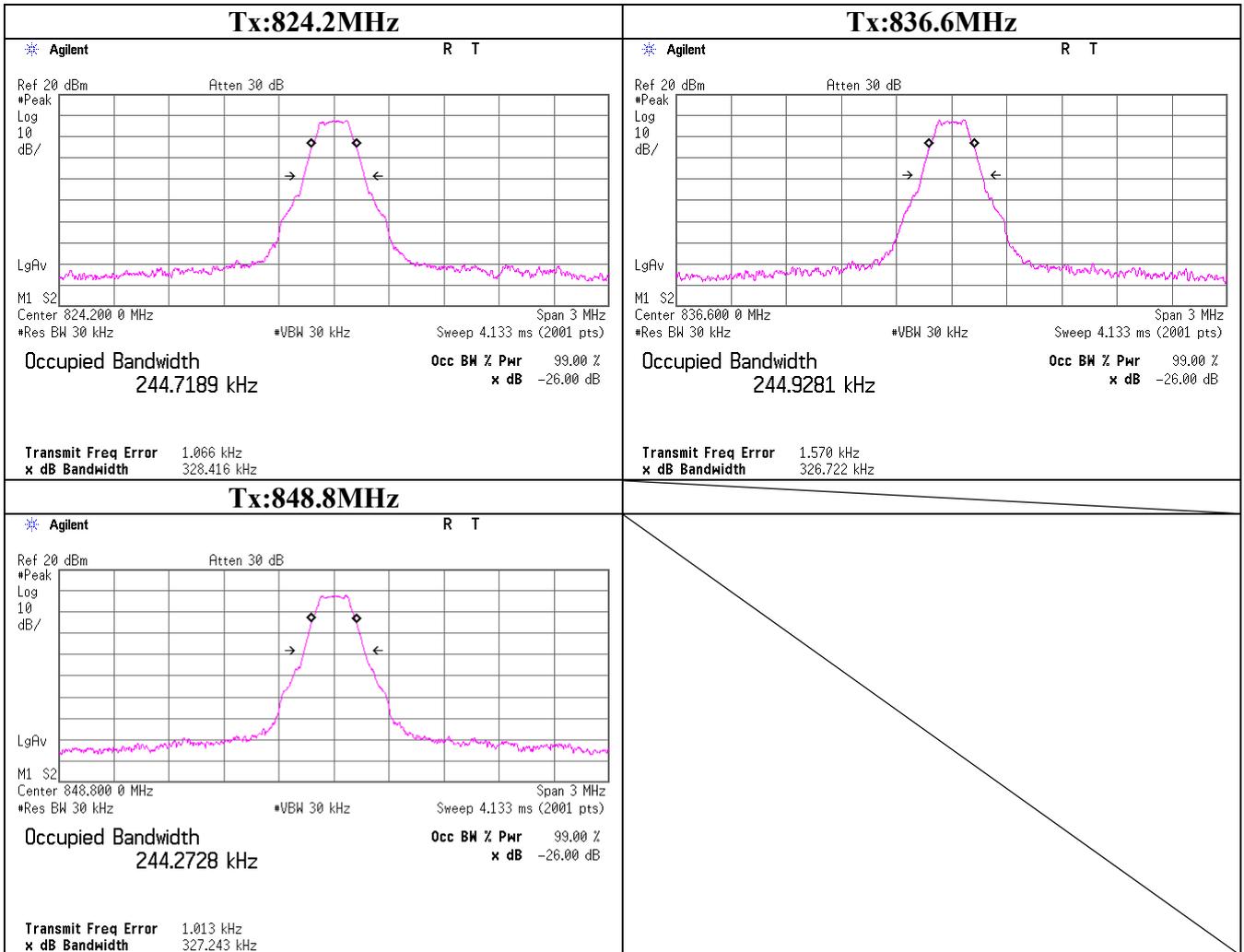
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CH	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	824.2	328.4	-
Mid	836.6	326.7	-
High	848.8	327.2	-

Emission Bandwidth
 <GSM>



Emission Bandwidth
<EGPRS>



99% Occupied Bandwidth

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

COMPANY SHARP CORPORATION
EQUIPMENT GSM Mobile Phone
MODEL PV210
S/N 168
POWER DC3.9V (Rated Voltage)
MODE Tx 824.2MHz (128ch)/PCL=5(MAX Pow)
Tx 836.6MHz (190ch)/PCL=5(MAX Pow)
Tx 848.8MHz (251ch)/PCL=5(MAX Pow)

REPORT NO 28FE0217-HO
REGULATION FCC Part22 Section 22.917(b)
TEST METHOD FCC Part2 Section 2.1049
TEST DISTANCE -
DATE 03/16/2008
TEMPERATURE 25°C
HUMIDITY 40%
ENGINEER Yutaka Yoshida

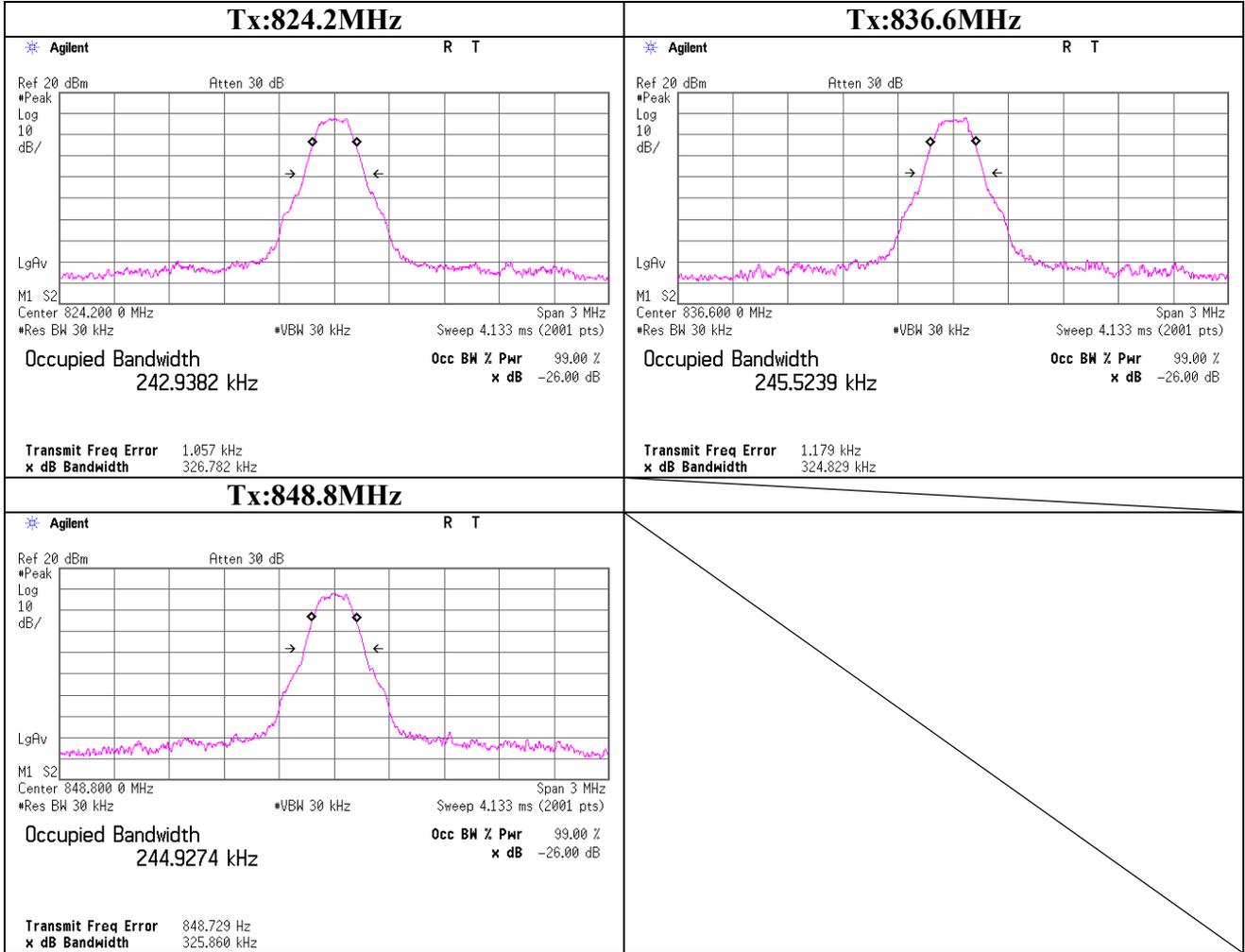
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	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	824.2	242.9	-
Mid	836.6	245.5	-
High	848.8	244.9	-

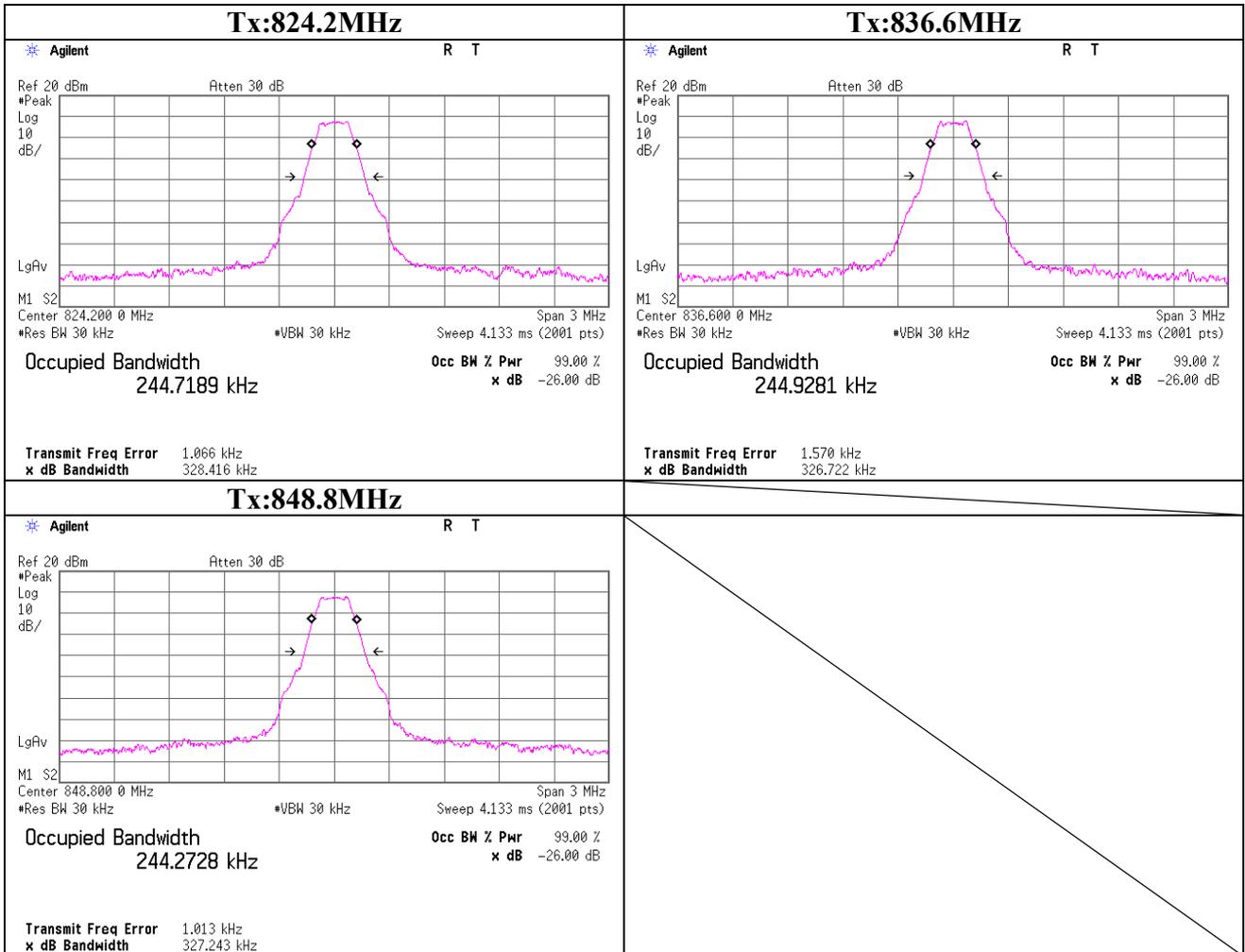
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CH	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	824.2	244.7	-
Mid	836.6	244.9	-
High	848.8	244.3	-

99% Occupied Bandwidth
<GSM>



99% Occupied Bandwidth
<EGPRS>



Band Edge(Conducted)

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

COMPANY	SHARP CORPORATION	REPORT NO	28FE0217-HO
EQUIPMENT	GSM Mobile Phone	REGULATION	FCC Part22 Section 22.917(b)
MODEL	PV210	TEST METHOD	FCC Part2 Section 2.1049
S/N	168	TEST DISTANCE	-
POWER	DC3.9V (Rated Voltage)	DATE	03/16/2008
MODE	Tx 824.2MHz (128ch)/PCL=5(MAX Pow) Tx 848.8MHz (251ch)/PCL=5(MAX Pow)	TEMPERATURE	25°C
		HUMIDITY	40%
		ENGINEER	Yutaka Yoshida

VIDEO AV 30 times

<GSM>

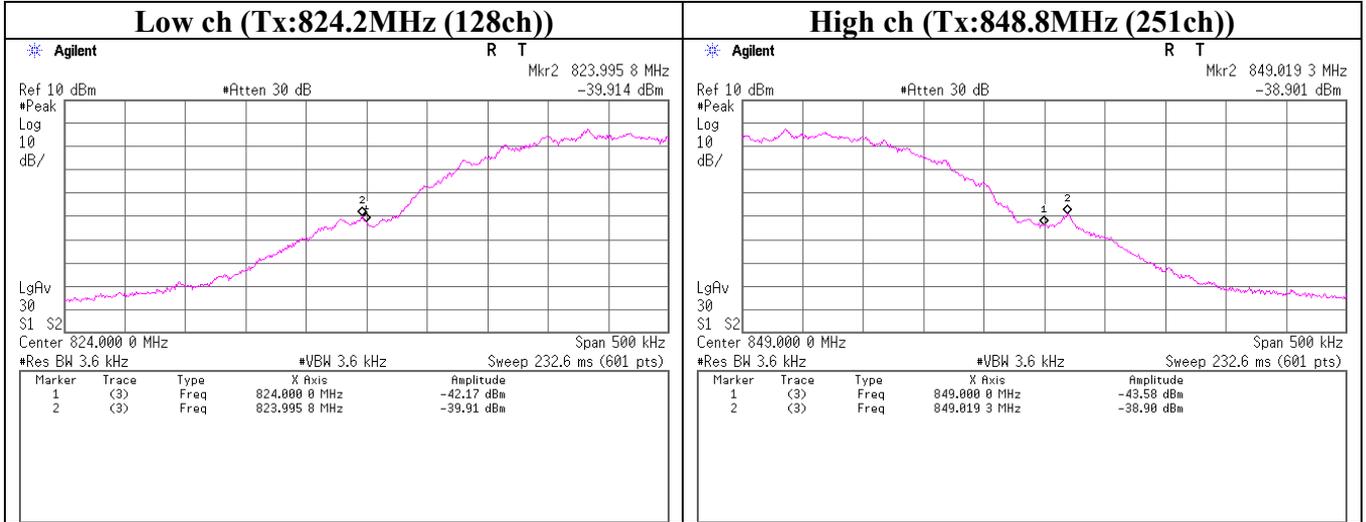
Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margine [dB]
823.996	-39.9	20.0	4.6	-15.3	-13.0	2.3
824.000	-42.2	20.0	4.6	-17.6	-13.0	4.6
849.000	-43.6	20.0	4.6	-19.0	-13.0	6.0
849.019	-38.9	20.0	4.6	-14.3	-13.0	1.3

<EGPRS>

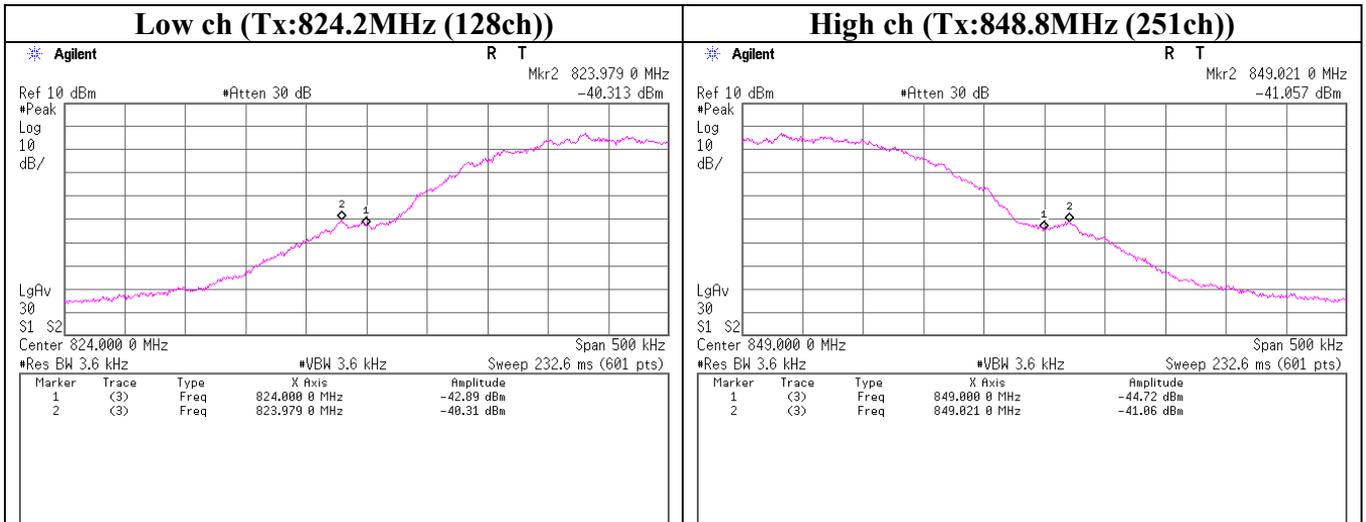
Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margine [dB]
823.979	-40.3	20.0	4.6	-15.7	-13.0	2.7
824.000	-42.9	20.0	4.6	-18.3	-13.0	5.3
849.000	-44.7	20.0	4.6	-20.1	-13.0	7.1
849.021	-41.1	20.0	4.6	-16.5	-13.0	3.5

Sample Calculation : Result = Reading + Atten. + Cable Loss(including customer cable)

Band Edge(Conducted)
<GSM>



<EGPRS>



Band Edge (Radiated)

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(b)
Model	PV210	Test Method	FCC Part 2 Section 2.1049
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	03/19/2008 03/18/2008
Mode	GSM Mode / EGPRS Mode	Temperature	22 deg.C. 23 deg.C.
	Tx 824.2MHz(Ch128) / MAX Power	Humidity	44 % 38 %
	Tx 848.8MHz(Ch251) / MAX Power		
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama Satofumi Matsuyama
Tx Antenna	0.8m Height		

[GSM Mode]

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	824.00	75.4	70.3				-16.2	-17.2		1.6	2.2		
2	849.02	78.3	73.8	-13.0	-13.9	1.7	2.2	9.7	-22.2	-23.1	-13.0	9.2	10.1	Operating	No4

[EGPRS Mode]

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	824.00	72.8	71.4				-18.8	-16.1		1.6	2.2		
2	849.02	78.7	78.3	-12.6	-9.4	1.7	2.2	9.7	-21.8	-18.6	-13.0	8.8	5.6	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW : 3.6kHz, VBW : 3.6kHz) Video Average : 30 times Gating On

UL Japan, Inc.

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Spurious Emission (Conducted)

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

COMPANY	SHARP CORPORATION	REPORT NO	28FE0217-HO
EQUIPMENT	GSM Mobile Phone	REGULATION	Fcc Part 22 Section 22.917(a)
MODEL	PV210	TEST METHOD	Fcc Part 2 Section 2.1051
S/N	168	TEST DISTANCE	-
POWER	DC3.9V (Rated Voltage)	DATE	03/16/2008
MODE	Tx 824.2MHz (128ch)/PCL=5(MAX Pow)	TEMPERATURE	25°C
	Tx 836.6MHz (190ch)/PCL=5(MAX Pow)	HUMIDITY	40%
	Tx 848.8MHz (251ch)/PCL=5(MAX Pow)	ENGINEER	Yutaka Yoshida

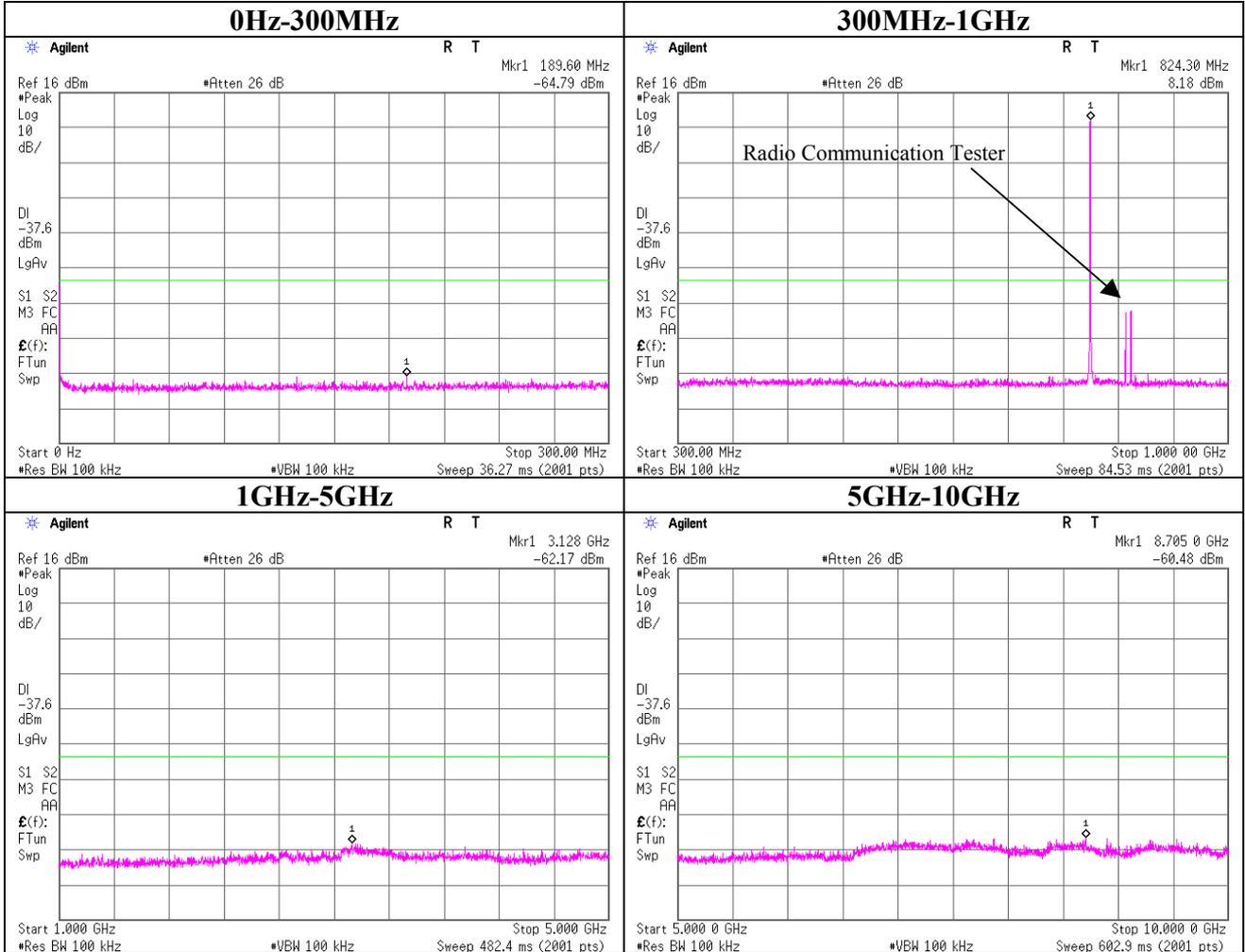
**Limit Line
GSM / EGPRS**

Tx Frequency [MHz]	Limit [dBm]	Atten. [dB]	Cable Loss [dB]	Limit Line [dBm]
824.2	-13.0	20.0	4.6	-37.6
836.6	-13.0	20.0	4.6	-37.6
848.8	-13.0	20.0	4.6	-37.6

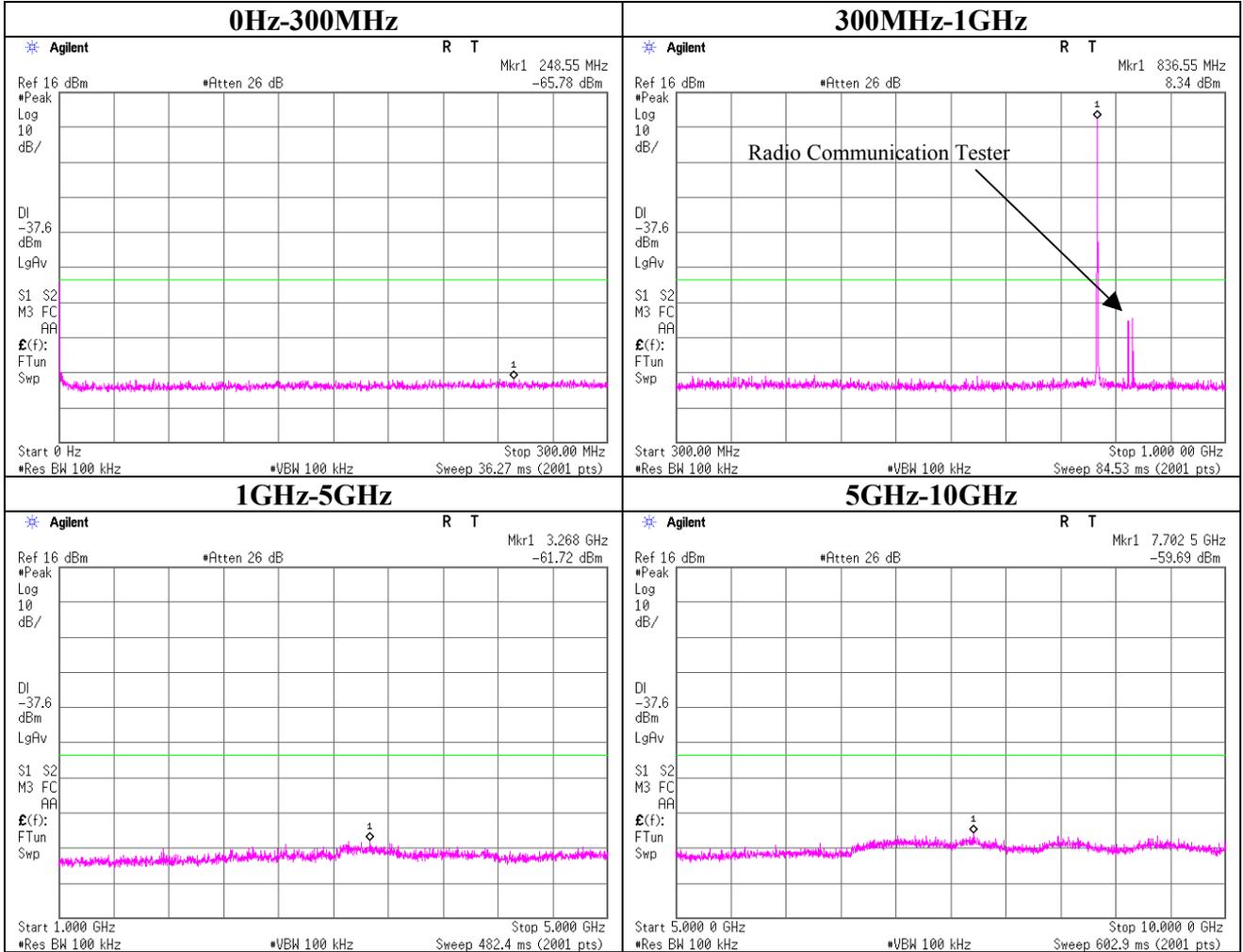
Sample Calculation : Limit Line = Limit - Atten. - Cable Loss

*All the spurious noises were below the above limit line.

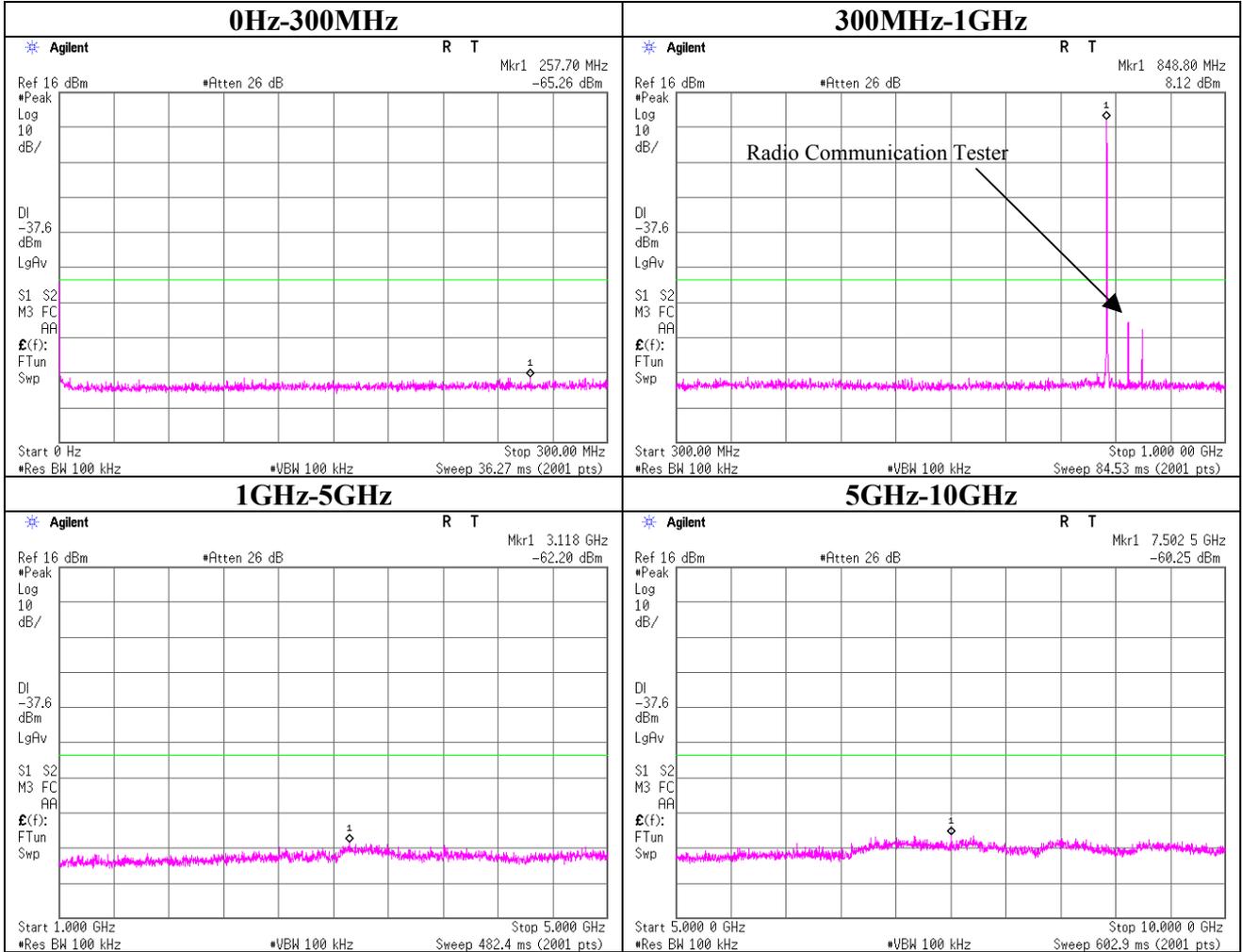
Spurious Emission (Conducted)
GSM850 / Tx:824.2MHz



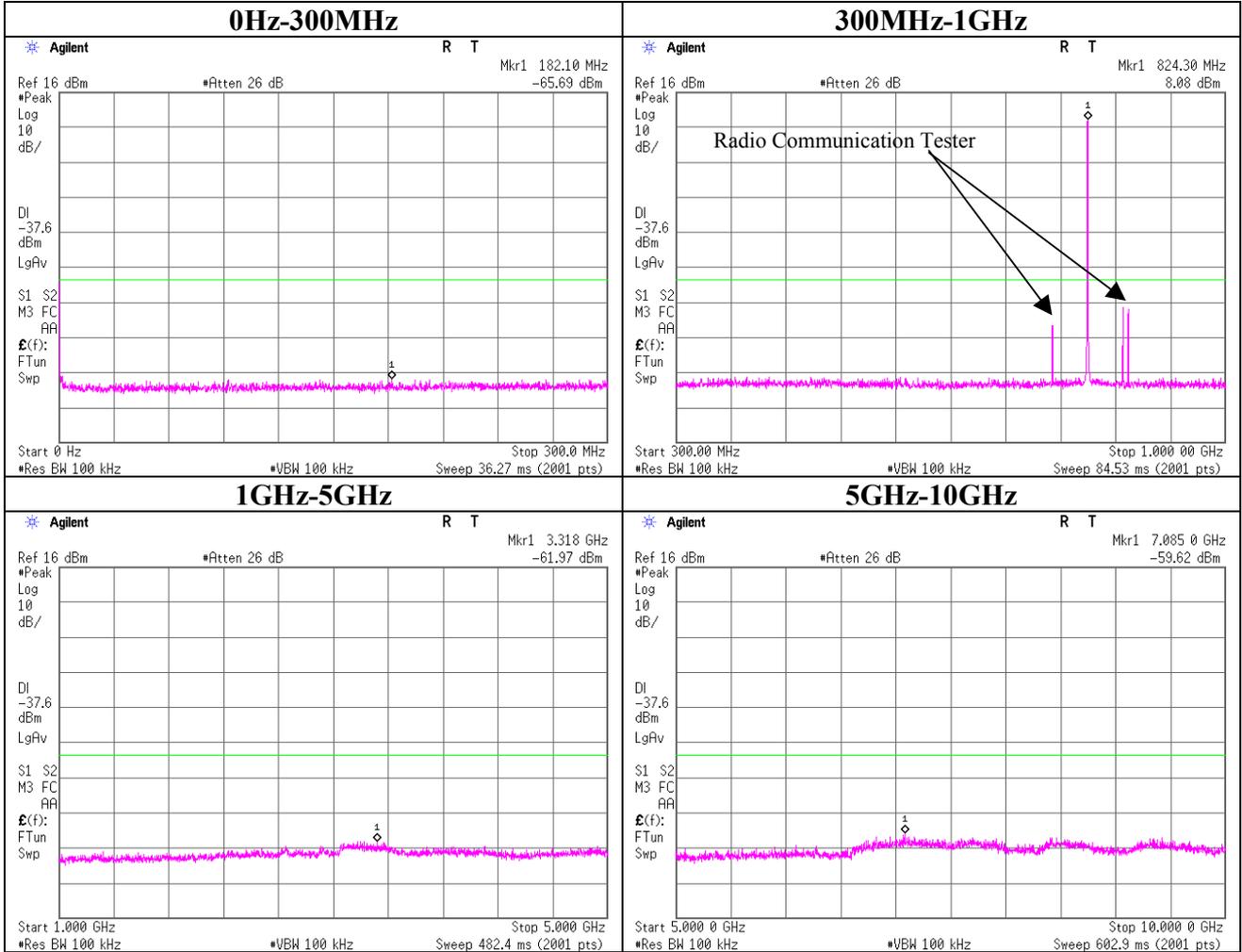
Spurious Emission (Conducted)
GSM850 / Tx:836.6MHz



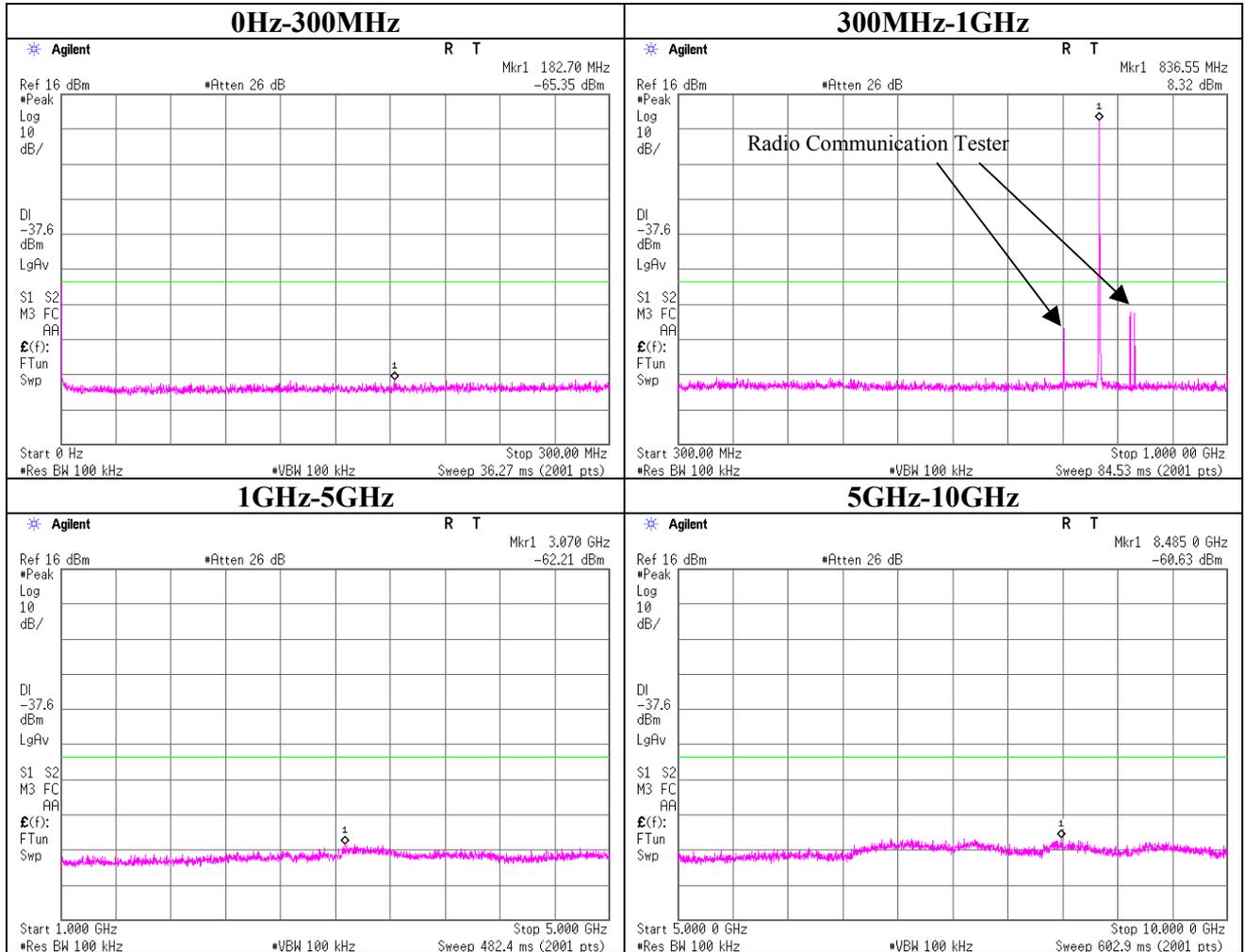
Spurious Emission (Conducted)
GSM850 / Tx:848.8MHz



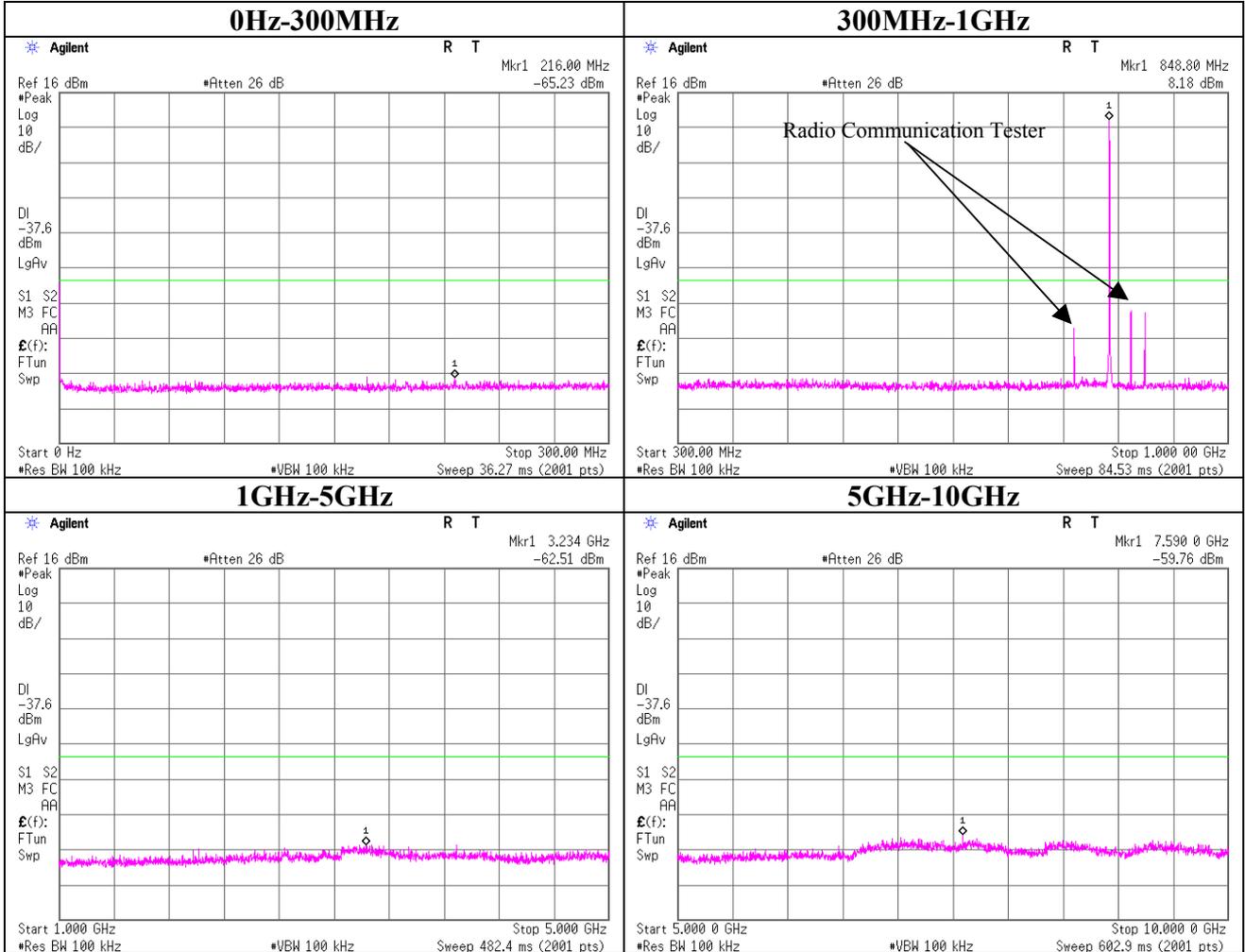
Spurious Emission (Conducted)
EGPRS / Tx:824.2MHz



Spurious Emission (Conducted)
EGPRS / Tx:836.6MHz



Spurious Emission (Conducted)
EGPRS / Tx:848.8MHz



Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1053
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	March 18, 2008 March 19, 2008
Mode	GSM Mode	Temperature	23 deg.C. 22 deg.C.
	Tx 824.2MHz(Ch128) / MAX Power	Humidity	38 % 44 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama Satofumi Matsuyama
Tx Antenna	0.8m Height		Below 1GHz Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	76.35	12.5	16.5				-64.3	-62.0		0.5	-9.0		
2	112.08	20.4	25.7	-68.1	-63.0	0.5	1.0	9.9	-77.5	-72.4	-17.8	59.8	54.6	Operating	No4
3	193.88	23.4	24.1	-68.8	-62.7	0.7	2.2	10.1	-77.5	-71.4	-17.8	59.7	53.6	Operating	No4
4	494.65	27.4	26.7	-64.1	-63.5	1.2	2.2	10.0	-73.2	-72.6	-17.8	55.4	54.9	Operating	No4
5	1648.40	58.4	59.9	-43.9	-43.2	3.5	8.5	0.0	-38.9	-38.2	-17.8	21.2	20.4	Operating	No4
6	2472.60	44.3	36.1	-59.5	-67.0	4.4	10.8	0.0	-53.1	-60.6	-17.8	35.4	42.9	Operating	No4
7	3296.80	38.1	39.3	-64.9	-63.7	5.1	11.9	0.0	-58.2	-57.0	-17.8	40.4	39.2	Operating	No4
8	4121.00	43.9	48.3	-59.3	-54.1	5.6	13.0	0.0	-51.8	-46.7	-17.8	34.1	29.0	Operating	No4
9	4945.20	53.7	55.7	-48.5	-47.1	6.2	12.8	0.0	-41.8	-40.4	-17.8	24.1	22.7	Operating	No4
10	5769.40	51.1	52.7	-50.6	-49.8	6.9	13.4	0.0	-44.1	-43.2	-17.8	26.4	25.5	Operating	No4
11	6593.60	58.7	59.7	-42.0	-41.8	7.4	12.4	0.0	-37.0	-36.9	-17.8	19.3	19.1	Operating	No4
12	7417.80	50.2	49.4	-49.6	-51.7	7.9	11.5	0.0	-46.0	-48.0	-17.8	28.2	30.3	Operating	No4
13	8242.00	43.7	44.1	-56.0	-56.9	8.3	11.5	0.0	-52.7	-53.7	-17.8	35.0	35.9	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)
Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)
All other emissions were at least 20dB below the specification limit.
The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.
With the result above, the effective radiated power was calculated on the basis of the reference value
- for the calibration data on the substitution measurement.

*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK (RBW:100kHz / VBW:100kHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1053
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	March 18, 2008
Mode	GSM Mode	Temperature	23 deg.C.
	Tx 836.6MHz(Ch190) / MAX Power	Humidity	38 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama
Tx Antenna	0.8m Height		Below 1GHz
			March 19, 2008
			22 deg.C.
			44 %
			Satofumi Matsuyama
			Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	76.70	12.9	16.5				-64.0	-62.1		0.5	-8.8		
2	112.53	20.2	24.2	-68.3	-64.4	0.5	1.0	9.9	-77.7	-73.8	-17.8	59.9	56.0	Operating	No4
3	193.85	24.1	24.2	-68.1	-62.6	0.7	2.2	10.1	-76.8	-71.3	-17.8	59.0	53.5	Operating	No4
4	509.49	27.0	27.1	-64.4	-63.0	1.2	2.2	10.1	-73.6	-72.1	-17.8	55.8	54.4	Operating	No4
5	1673.20	54.8	57.4	-47.5	-45.7	3.6	8.7	0.0	-42.5	-40.6	-17.8	24.7	22.8	Operating	No4
6	2509.80	50.5	45.2	-53.4	-57.9	4.5	10.8	0.0	-47.0	-51.5	-17.8	29.2	33.8	Operating	No4
7	3346.40	40.1	39.0	-62.9	-64.0	5.1	11.9	0.0	-56.1	-57.2	-17.8	38.4	39.4	Operating	No4
8	4183.00	43.2	49.3	-59.9	-53.2	5.6	13.0	0.0	-52.5	-45.8	-17.8	34.8	28.1	Operating	No4
9	5019.60	50.8	55.7	-51.3	-47.1	6.3	12.8	0.0	-44.7	-40.5	-17.8	27.0	22.8	Operating	No4
10	5856.20	52.4	55.9	-49.3	-46.4	6.9	13.4	0.0	-42.8	-39.9	-17.8	25.1	22.1	Operating	No4
11	6692.80	59.4	59.3	-41.1	-42.1	7.5	12.2	0.0	-36.4	-37.5	-17.8	18.7	19.7	Operating	No4
12	7529.40	49.1	47.7	-50.7	-53.3	7.9	11.5	0.0	-47.1	-49.7	-17.8	29.3	32.0	Operating	No4
13	8366.00	42.9	45.8	-56.8	-55.3	8.3	11.5	0.0	-53.6	-52.1	-17.8	35.9	34.3	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

UL Japan, Inc.

Head Office EMC Lab.

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Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO	
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)	
Model	PV210	Test Method	FCC Part 2 Section 2.1053	
S/N	168	Test Distance	3m	
Power	AC 120V / 60Hz	Date	March 18, 2008	March 19, 2008
Mode	GSM Mode	Temperature	23 deg.C.	22 deg.C.
	Tx 848.8MHz(Ch251) / MAX Power	Humidity	38 %	44 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama	Satofumi Matsuyama
Tx Antenna	0.8m Height		Below 1GHz	Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	77.23	13.3	16.6				-63.9	-62.2		0.5	-8.6		
2	113.23	19.5	23.5	-69.1	-65.1	0.5	1.1	9.9	-78.3	-74.4	-17.8	60.6	56.6	Operating	No4
3	193.58	23.2	24.6	-69.0	-62.2	0.7	2.2	10.1	-77.6	-70.9	-17.8	59.9	53.1	Operating	No4
4	507.33	26.8	28.3	-64.6	-61.9	1.2	2.2	10.1	-73.8	-71.0	-17.8	56.0	53.2	Operating	No4
5	1697.60	54.1	55.6	-48.2	-47.5	3.6	8.8	0.0	-43.1	-42.3	-17.8	25.3	24.5	Operating	No4
6	2546.40	54.4	52.3	-49.4	-50.8	4.5	10.9	0.0	-43.0	-44.4	-17.8	25.3	26.7	Operating	No4
7	3395.20	42.7	41.6	-60.4	-61.3	5.2	12.0	0.0	-53.5	-54.5	-17.8	35.7	36.7	Operating	No4
8	4244.00	43.4	50.3	-59.6	-52.2	5.7	13.0	0.0	-52.3	-44.9	-17.8	34.6	27.1	Operating	No4
9	5092.80	52.1	53.6	-49.9	-49.2	6.3	12.9	0.0	-43.4	-42.7	-17.8	25.6	24.9	Operating	No4
10	5941.60	54.9	57.5	-46.8	-44.6	7.0	13.5	0.0	-40.3	-38.1	-17.8	22.6	20.4	Operating	No4
11	6790.40	60.1	58.3	-40.3	-43.1	7.5	12.0	0.0	-35.8	-38.6	-17.8	18.1	20.9	Operating	No4
12	7639.20	49.7	49.5	-50.0	-51.5	8.0	11.5	0.0	-46.5	-48.0	-17.8	28.8	30.2	Operating	No4
13	8488.00	43.5	46.7	-56.2	-54.4	8.4	11.5	0.0	-53.1	-51.3	-17.8	35.3	33.5	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1053
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	March 18, 2008 March 18, 2008
Mode	EGPRS Mode	Temperature	23 deg.C. 24 deg.C.
	Tx 824.2MHz(Ch128) / MAX Power	Humidity	38 % 35 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama Kazufumi Nakai
Tx Antenna	0.8m Height		Below 1GHz Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	45.00	29.4	38.5				-28.8	-27.4		0.3	-21.5		
2	87.44	14.2	15.7	-67.3	-66.4	0.5	-5.3	9.4	-82.5	-81.6	-17.8	64.8	63.8	Operating	No4
3	110.42	18.1	21.1	-70.3	-67.7	0.5	0.7	9.9	-80.0	-77.3	-17.8	62.2	59.6	Operating	No4
4	510.90	54.9	56.2	-36.5	-33.9	1.2	2.2	10.1	-45.6	-43.0	-17.8	27.9	25.3	Operating	No4
5	1648.40	55.0	59.3	-47.3	-43.8	3.5	8.5	0.0	-42.3	-38.8	-17.8	24.6	21.0	Operating	No4
6	2472.60	42.0	40.5	-61.8	-62.6	4.4	10.8	0.0	-55.4	-56.2	-17.8	37.7	38.5	Operating	No4
7	3296.80	34.9	37.1	-68.1	-65.9	5.1	11.9	0.0	-61.4	-59.2	-17.8	43.6	41.4	Operating	No4
8	4121.00	44.7	49.5	-58.5	-52.9	5.6	13.0	0.0	-51.0	-45.5	-17.8	33.3	27.8	Operating	No4
9	4945.20	55.8	57.0	-46.4	-45.8	6.2	12.8	0.0	-39.7	-39.1	-17.8	22.0	21.4	Operating	No4
10	5769.40	50.7	51.1	-51.0	-51.4	6.9	13.4	0.0	-44.5	-44.8	-17.8	26.8	27.1	Operating	No4
11	6593.60	57.7	60.0	-43.0	-41.5	7.4	12.4	0.0	-38.0	-36.6	-17.8	20.3	18.8	Operating	No4
12	7417.80	48.3	52.7	-51.5	-48.4	7.9	11.5	0.0	-47.9	-44.7	-17.8	30.1	27.0	Operating	No4
13	8242.00	41.1	41.5	-58.6	-59.5	8.3	11.5	0.0	-55.3	-56.3	-17.8	37.6	38.5	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value
- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1053
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	March 18, 2008
Mode	EGPRS Mode	Temperature	23 deg.C.
	Tx 836.6MHz(Ch190) / MAX Power	Humidity	38 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama
Tx Antenna	0.8m Height		Below 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	45.01	29.9	38.9				-28.3	-27.0		0.3	-21.4		
2	87.10	13.3	16.4	-68.1	-65.6	0.5	-5.4	9.4	-83.4	-80.9	-17.8	65.6	63.1	Operating	No4
3	110.35	17.9	21.0	-70.5	-67.8	0.5	0.7	9.9	-80.2	-77.4	-17.8	62.4	59.7	Operating	No4
4	503.58	55.2	56.8	-36.3	-33.4	1.2	2.2	10.1	-45.4	-42.5	-17.8	27.6	24.8	Operating	No4
5	1673.20	58.2	57.2	-44.1	-45.9	3.6	8.7	0.0	-39.1	-40.8	-17.8	21.3	23.0	Operating	No4
6	2509.80	41.7	44.3	-62.2	-58.8	4.5	10.8	0.0	-55.8	-52.4	-17.8	38.0	34.7	Operating	No4
7	3346.40	40.0	40.4	-63.0	-62.6	5.1	11.9	0.0	-56.2	-55.8	-17.8	38.5	38.0	Operating	No4
8	4183.00	43.8	50.4	-59.3	-52.1	5.6	13.0	0.0	-51.9	-44.7	-17.8	34.2	27.0	Operating	No4
9	5019.60	54.9	56.0	-47.2	-46.8	6.3	12.8	0.0	-40.6	-40.2	-17.8	22.9	22.5	Operating	No4
10	5856.20	52.2	53.5	-49.5	-48.8	6.9	13.4	0.0	-43.0	-42.3	-17.8	25.3	24.5	Operating	No4
11	6692.80	59.1	58.5	-41.4	-42.9	7.5	12.2	0.0	-36.7	-38.3	-17.8	19.0	20.5	Operating	No4
12	7529.40	47.0	50.6	-52.8	-50.4	7.9	11.5	0.0	-49.2	-46.8	-17.8	31.4	29.1	Operating	No4
13	8366.00	44.9	47.6	-54.8	-53.5	8.3	11.5	0.0	-51.6	-50.3	-17.8	33.9	32.5	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

UL Japan, Inc.

Head Office EMC Lab.

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Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)
Model	PV210	Test Method	FCC Part 2 Section 2.1053
S/N	168	Test Distance	3m
Power	AC 120V / 60Hz	Date	March 18, 2008 March 18, 2008
Mode	EGPRS Mode	Temperature	23 deg.C. 24 deg.C.
	Tx 848.8MHz(Ch251) / MAX Power	Humidity	38 % 35 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama Kazufumi Nakai
Tx Antenna	0.8m Height		Below 1GHz Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	44.99	30.0	38.9				-28.2	-27.0		0.3	-21.5		
2	87.86	13.8	17.0	-67.9	-65.2	0.5	-5.2	9.4	-83.0	-80.3	-17.8	65.2	62.5	Operating	No4
3	110.70	18.1	21.8	-70.3	-67.0	0.5	0.8	9.9	-79.9	-76.6	-17.8	62.2	58.8	Operating	No4
4	505.33	55.6	55.7	-35.9	-34.5	1.2	2.2	10.1	-45.0	-43.6	-17.8	27.2	25.9	Operating	No4
5	1697.60	55.7	54.0	-46.6	-49.1	3.6	8.8	0.0	-41.5	-43.9	-17.8	23.7	26.1	Operating	No4
6	2546.40	41.8	43.3	-62.0	-59.8	4.5	10.9	0.0	-55.6	-53.4	-17.8	37.9	35.7	Operating	No4
7	3395.20	41.0	42.7	-62.1	-60.2	5.2	12.0	0.0	-55.2	-53.4	-17.8	37.4	35.6	Operating	No4
8	4244.00	43.7	49.3	-59.3	-53.2	5.7	13.0	0.0	-52.0	-45.9	-17.8	34.3	28.1	Operating	No4
9	5092.80	53.7	54.5	-48.3	-48.3	6.3	12.9	0.0	-41.8	-41.8	-17.8	24.0	24.0	Operating	No4
10	5941.60	59.4	53.5	-42.3	-48.6	7.0	13.5	0.0	-35.8	-42.1	-17.8	18.1	24.4	Operating	No4
11	6790.40	63.2	61.2	-37.2	-40.2	7.5	12.0	0.0	-32.7	-35.7	-17.8	15.0	18.0	Operating	No4
12	7639.20	49.6	50.8	-50.1	-50.2	8.0	11.5	0.0	-46.6	-46.7	-17.8	28.9	28.9	Operating	No4
13	8488.00	49.0	49.7	-50.7	-51.4	8.4	11.5	0.0	-47.6	-48.3	-17.8	29.8	30.5	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	28FE0217-HO	
Equipment	GSM Mobile Phone	Regulation	FCC Part 22 Section 22.917(a)	
Model	PV210	Test Method	FCC Part 2 Section 2.1053	
S/N	168	Test Distance	3m	
Power	AC 120V / 60Hz	Date	March 18, 2008	March 18, 2008
Mode	EGPRS Mode + BT Tx(2441MHz)	Temperature	23 deg.C.	24 deg.C.
	Tx 836.6MHz(Ch190) / MAX Power	Humidity	38 %	35 %
EUT-Position	H: X-axis / V: Z-axis	Engineer	Satofumi Matsuyama	Kazufumi Nakai
Tx Antenna	0.8m Height		Below 1GHz	Above 1GHz

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
1	45.01	30.0	37.5	-28.2	-28.4	0.3	-21.4	10.3	-60.2	-60.4	-17.8	42.5	42.7	Operating	No4
2	86.90	13.3	15.9	-68.0	-66.0	0.5	-5.5	9.4	-83.4	-81.4	-17.8	65.6	63.6	Operating	No4
3	111.65	18.0	21.3	-70.5	-67.4	0.5	0.9	9.9	-80.0	-76.9	-17.8	62.2	59.1	Operating	No4
4	506.72	56.4	55.9	-35.1	-34.3	1.2	2.2	10.1	-44.2	-43.4	-17.8	26.4	25.6	Operating	No4
5	1673.20	54.7	53.7	-47.6	-49.4	3.6	8.7	0.0	-42.6	-44.3	-17.8	24.8	26.5	Operating	No4
6	2509.80	42.1	43.1	-61.8	-60.0	4.5	10.8	0.0	-55.4	-53.6	-17.8	37.6	35.9	Operating	No4
7	3346.40	38.9	41.6	-64.1	-61.4	5.1	11.9	0.0	-57.3	-54.6	-17.8	39.6	36.8	Operating	No4
8	4183.00	44.8	50.5	-58.3	-52.0	5.6	13.0	0.0	-50.9	-44.6	-17.8	33.2	26.9	Operating	No4
9	5019.60	53.7	55.1	-48.4	-47.7	6.3	12.8	0.0	-41.8	-41.1	-17.8	24.1	23.4	Operating	No4
10	5856.20	50.9	53.4	-50.8	-48.9	6.9	13.4	0.0	-44.3	-42.4	-17.8	26.6	24.6	Operating	No4
11	6692.80	59.8	59.1	-40.7	-42.3	7.5	12.2	0.0	-36.0	-37.7	-17.8	18.3	19.9	Operating	No4
12	7529.40	47.4	50.9	-52.4	-50.1	7.9	11.5	0.0	-48.8	-46.5	-17.8	31.0	28.8	Operating	No4
13	8366.00	45.5	47.4	-54.2	-53.7	8.3	11.5	0.0	-51.0	-50.5	-17.8	33.3	32.7	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-10GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-10GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : S/A PK (RBW:100kHz / VBW:100kHz)

UL Japan, Inc.

Head Office EMC Lab.

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Frequency Stability(Temperature/Voltage Variation)

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

COMPANY SHARP CORPORATION
EQUIPMENT GSM Mpbile Phone
MODEL PV210
S/N 168
POWER DC3.9V(Rated Voltage)
MODE Tx 836.6MHz (190ch)/PCL=5(MAX Pow)

REPORT NO 28FE0217-HO
REGULATION FCC Part22 Section 22.355
TEST METHOD FCC Part2 Section 2.1055(a)(1) and(b)
FCC Part2 Section 2.1055(d)(1) and(b)
TEST DISTANCE -
DATE 03/16/2008
TEMPERATURE 25°C
HUMIDITY 40%
ENGINEER Yutaka Yoshida

<GSM>

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	836.600110	95	0.114	1.5
-20.0	3.9	836.600033	18	0.022	1.5
-10.0	3.9	836.599961	54	0.065	1.5
0.0	3.9	836.600035	20	0.024	1.5
10.0	3.9	836.599961	54	0.065	1.5
20.0	3.9	836.600015	0	0.000	Reference
30.0	3.9	836.599981	34	0.041	1.5
40.0	3.9	836.599983	32	0.038	1.5
50.0	3.9	836.599997	18	0.022	1.5

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.7	836.600032	17	0.020	1.5
20.0	3.9	836.600015	0	0.000	Reference
20.0	4.2	836.599977	38	0.045	1.5

Frequency Stability(Temperature/Voltage Variation)

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

COMPANY	SHARP CORPORATION	REPORT NO	28FE0217-HO
EQUIPMENT	GSM Mobile Phone	REGULATION	FCC Part22 Section 24.355
MODEL	PV210	TEST METHOD	FCC Part2 Section 2.1055(a)(1) and(b)
S/N	168		FCC Part2 Section 2.1055(d)(1) and(b)
POWER	DC3.9V(Rated Voltage)	TEST DISTANCE	-
MODE	Tx 836.6MHz (190ch)/PCL=5(MAX Pow)	DATE	03/16/2008
		TEMPERATURE	25°C
		HUMIDITY	40%
		ENGINEER	Yutaka Yoshida

<EGPRS>

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	836.600081	104	0.124	1.5
-20.0	3.9	836.600103	126	0.151	1.5
-10.0	3.9	836.600029	52	0.062	1.5
0.0	3.9	836.599889	88	0.105	1.5
10.0	3.9	836.599991	14	0.017	1.5
20.0	3.9	836.599977	0	0.000	Reference
30.0	3.9	836.600101	124	0.148	1.5
40.0	3.9	836.599881	96	0.115	1.5
50.0	3.9	836.599891	86	0.103	1.5

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.7	836.600114	137	0.164	1.5
20.0	3.9	836.599977	0	0.000	Reference
20.0	4.2	836.600019	42	0.050	1.5

APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT/RE	2007/09/05 * 12
MAT-21	Attenuator(20dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-120	AT	2008/01/09 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MPSC-01	Power splitters/Combiners	Mini-Circuit	ZFSC-2-2500	AT	2007/09/10 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MURC-01	Universal Radio communication Tester	Rohde & Schwarz	CMU200	AT	Pre Check
MMM-08	DIGITAL HiTESTER	Hioki	3805	AT	2008/01/10 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MCH-04	Temperature and Humidity Chamber	Espec	PL-2KP	AT	2007/08/30 * 12
MDPS-04	DC Power Supply	KENWOOD TMI	PW18-1.3AT	AT	Pre Check
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/03 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2008/01/12 * 12
MCC-50	Coaxial cable	UL Japan	-	RE	2008/03/17 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MOS-23	Thermo-Hygrometer	Custom	CTH-201	RE	2007/12/27 * 12
MJM-07	Measure	PROMART	SEN1955	RE	-
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/08/16 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/05 * 12
MCC-79	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MBF-08	Band Pass Filter	M-City	BPF1800-01	RE	2007/05/28 * 12
MBF-09	Band Pass Filter	M-City	BPF4250-01	RE	2007/05/28 * 12
MHF-20	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCC	RE	2007/12/10 * 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.

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:

RE: Radiated Emission

AT: Antenna Terminal Conducted

UL Japan, Inc.

Head Office EMC Lab.

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