

APPENDIX 2: Data of EMI test

Peak Output Power (Conducted)

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

COMPANY	SHARP CORPORATION	REPORT NO	27JE0086-HO
EQUIPMENT	Wireless PDA	REGULATION	FCC Part24 Section 24.232(b)
MODEL	PV250	TEST METHOD	FCC Part2 Section 2.1046
S/N	001	TEST DISTANCE	-
POWER	DC3.9V(AC120V/60Hz)	DATE	06/18/2007
MODE	Tx PCL=0(MAX Pow)	TEMPERATURE	25°C
		HUMIDITY	61%
		ENGINEER	Yutaka Yoshida

<GSM>

Ch	Frequency [MHz]	P/M Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	1850.2	5.7	20.3	4.9	30.9	33.0	2.1
Mid	1880.0	6.0	20.3	4.9	31.2	33.0	1.8
High	1909.8	6.0	20.3	4.9	31.2	33.0	1.8

<EGPRS>

Ch	Frequency [MHz]	P/M Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	1850.2	5.5	20.3	4.9	30.7	33.0	2.3
Mid	1880.0	5.8	20.3	4.9	31.0	33.0	2.0
High	1909.8	5.8	20.3	4.9	31.0	33.0	2.0

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
Equipment Wireless PDA
Model PV250
S/N 001
Power AC 120V / 60Hz
Mode GSM Mode / EGPRS Mode (PCS1900)
MAX Power
EUT-Position H: X-axis / V: Y-axis
Tx Antenna 0.8m Height

Report Number 27JE0086-HO
Regulation FCC Part 24 Section 24.232(b)
Test Method FCC Part 2 Section 2.1046
Test Distance 3m
Date May 28, 2007
Temperature 22 deg.C.
Humidity 46 %
Engineer Yutaka Yoshida

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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	1850.20	127.5	129.5				21.0	21.5		2.3	10.0		
2	1880.00	128.9	128.2	22.1	20.0	2.4	10.1	0.0	29.8	27.7	33.0	3.2	5.3	Operating	No4
3	1909.80	128.9	129.6	21.8	21.1	2.4	10.2	0.0	29.7	29.0	33.0	3.3	4.0	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 (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	1850.20	127.5	127.5				21.0	19.5		2.3	10.0		
2	1880.00	128.6	129.5	21.8	21.3	2.4	10.1	0.0	29.5	29.0	33.0	3.5	4.0	Operating	No4
3	1909.80	128.5	129.4	21.4	20.9	2.4	10.2	0.0	29.3	28.8	33.0	3.7	4.2	Operating	No4

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

Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)

Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)

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 limit is rounded down to one decimal place.

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

Detector : S/A PK(RBW : 3MHz, VBW : 3MHz)

Emission Bandwidth

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

COMPANY SHARP CORPORATION
EQUIPMENT Wireless PDA
MODEL PV250
S/N 001
POWER DC3.9V (AC120V/60Hz)
MODE Tx PCL=0(MAX Pow)

REPORT NO 27JE0086-HO
REGULATION FCC Part24 Section 24.238(b)
TEST METHOD FCC Part2 Section 2.1049
TEST DISTANCE -
DATE 06/18/2007
TEMPERATURE 25°C
HUMIDITY 61%
ENGINEER Yutaka Yoshida

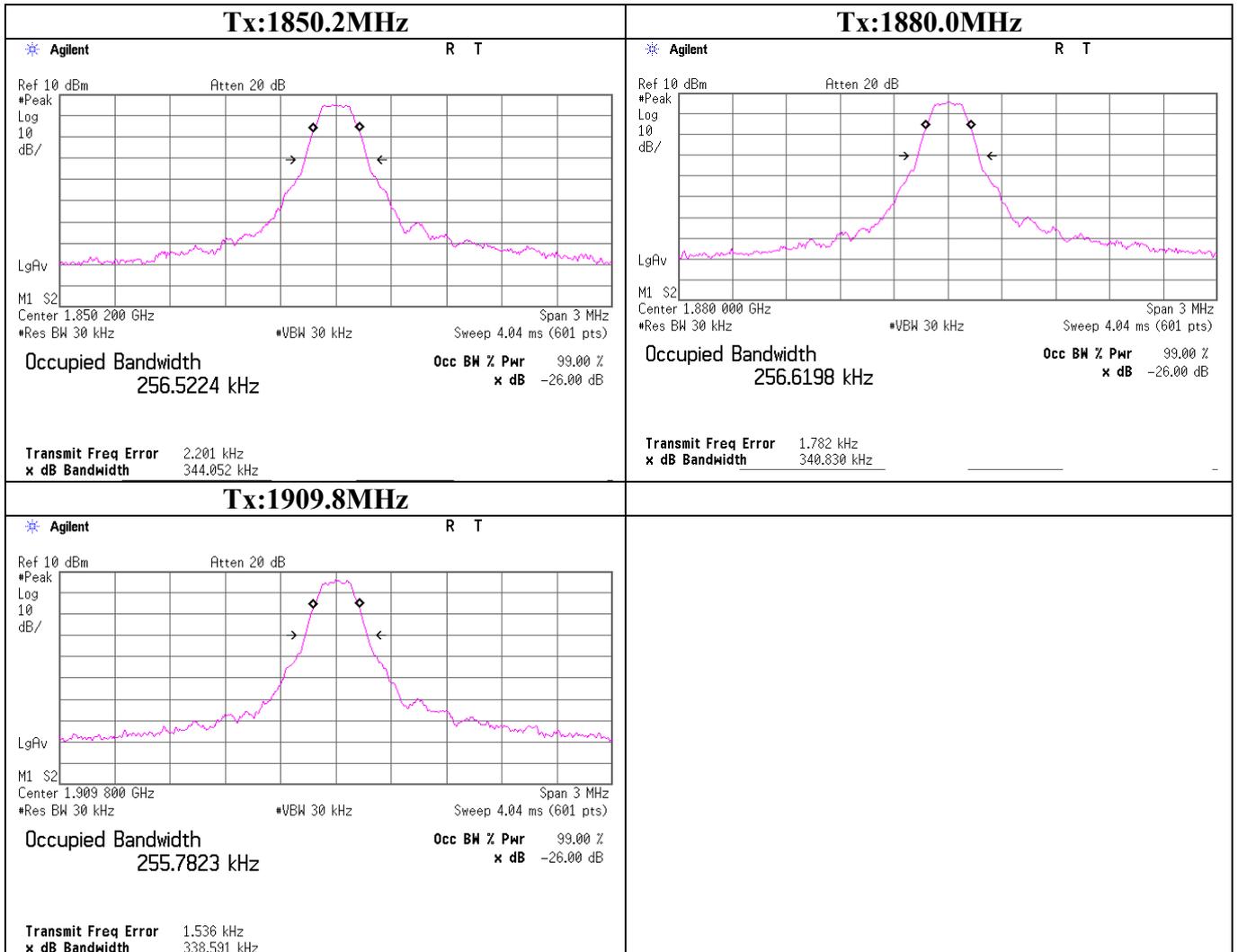
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CH	FREQ [MHz]	Bandwidth [kHz]	Limit [kHz]
Low	1850.2	344.1	-
Mid	1880.0	340.8	-
High	1909.8	338.6	-

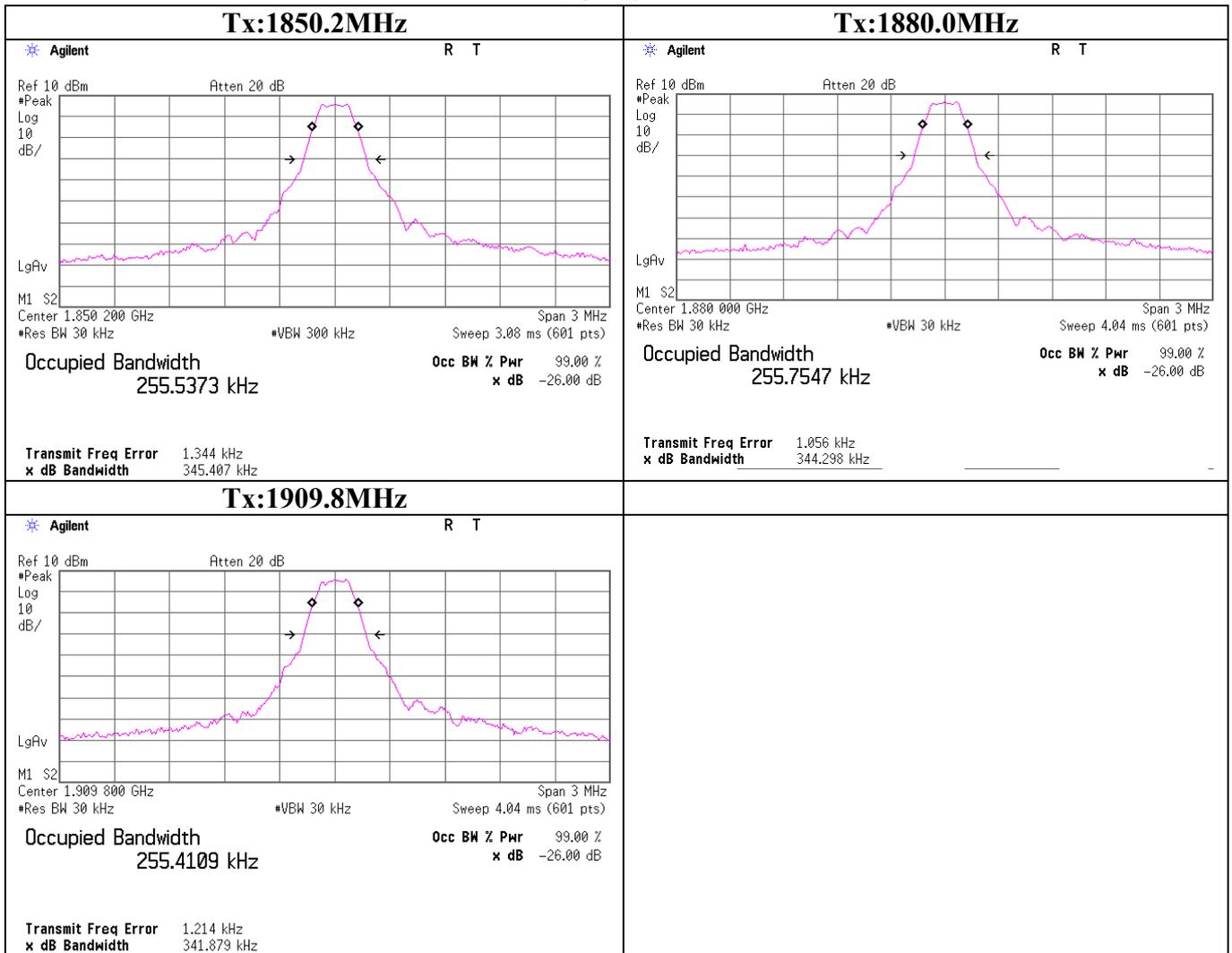
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CH	FREQ [MHz]	Bandwidth [kHz]	Limit [kHz]
Low	1850.2	345.4	-
Mid	1880.0	344.3	-
High	1909.8	341.9	-

Emission Bandwidth
<GSM>



Emission Bandwidth
<EGPRS>



99%Occupied Bandwidth

COMPANY	SHARP CORPORATION	REPORT NO	27JE0086-HO
EQUIPMENT	Wireless PDA	REGULATION	FCC Part24 Section 24.238(b)
MODEL	PV250	TEST METHOD	FCC Part2 Section 2.1049
S/N	001	TEST DISTANCE	-
POWER	DC3.9V (AC120V/60Hz)	DATE	06/18/2007
MODE	Tx PCL=0(MAX Pow)	TEMPERATURE	25°C
		HUMIDITY	61%
		ENGINEER	Yutaka Yoshida

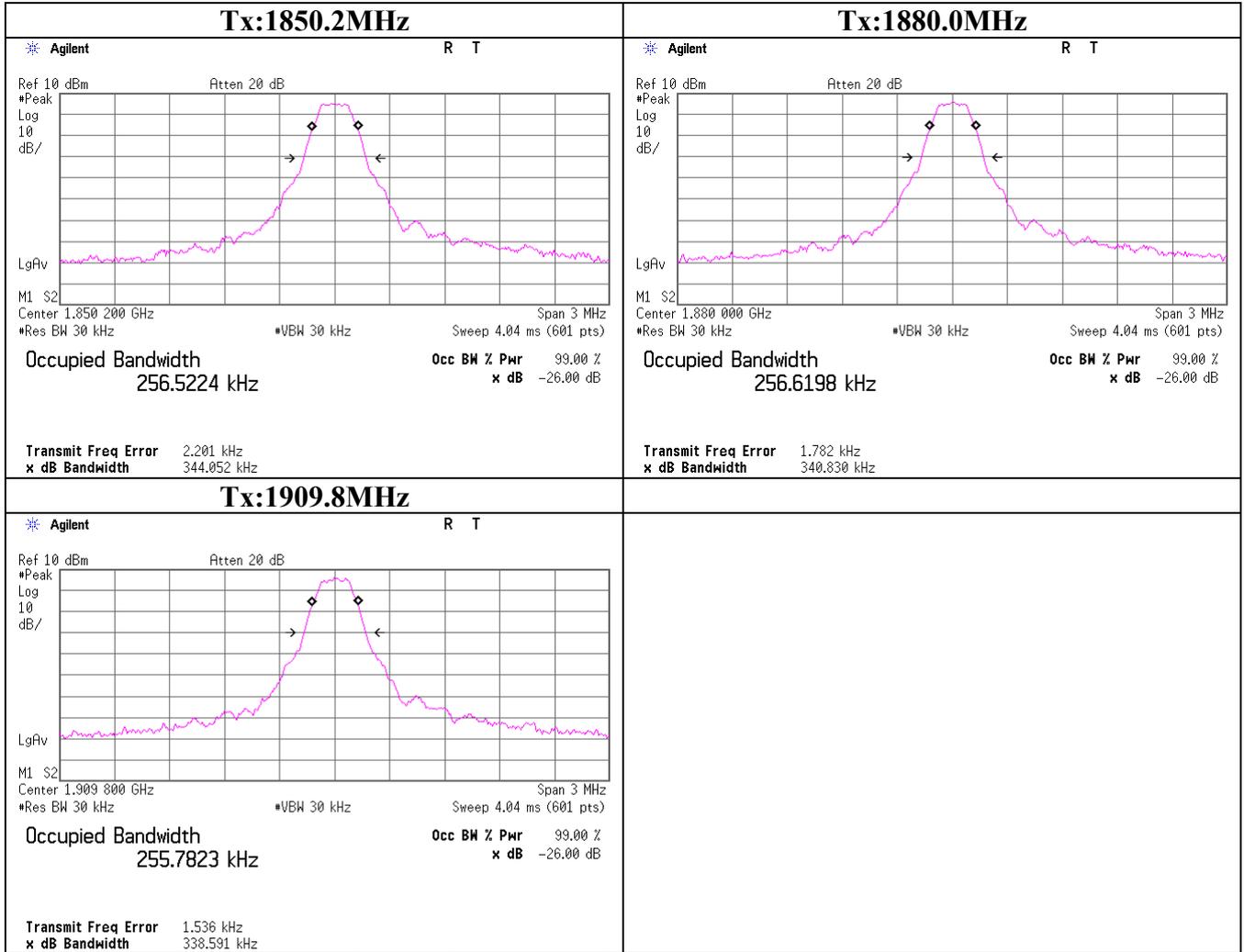
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CH	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	1850.2	256.5	-
Mid	1880.0	256.6	-
High	1908.8	255.8	-

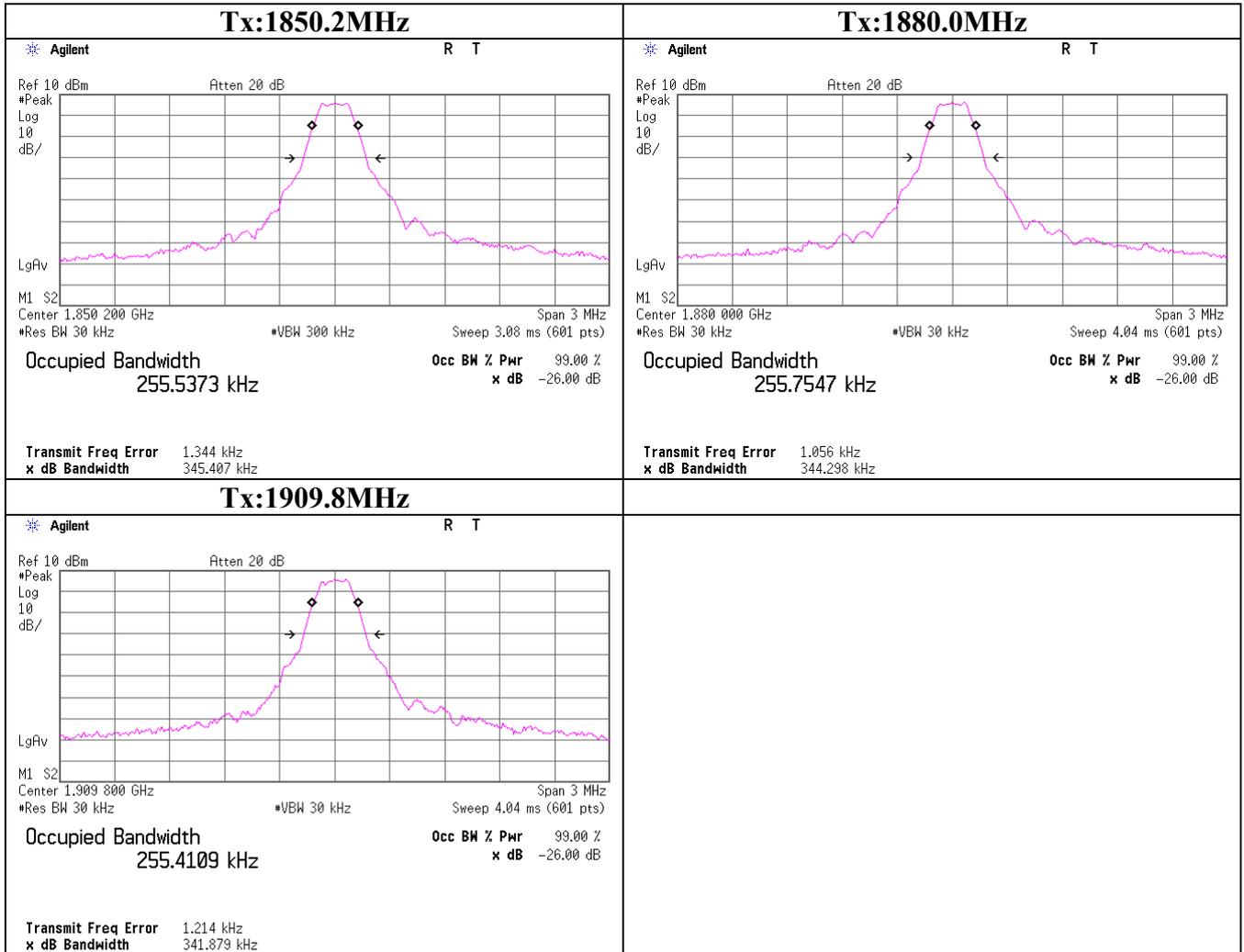
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CH	FREQ	Bandwidth	Limit
	[MHz]	[kHz]	[kHz]
Low	1850.2	255.5	-
Mid	1880.0	255.8	-
High	1908.8	255.4	-

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
EQUIPMENT Wireless PDA
MODEL PV250
S/N 001
POWER DC3.9V (AC120V/60Hz)
MODE Tx PCL=0(MAX Pow)

REPORT NO 27JE0086-HO
REGULATION FCC Part24 Section 24.238(b)
TEST METHOD FCC Part2 Section 2.1049
TEST DISTANCE -
DATE 06/18/2007
TEMPERATURE 25°C
HUMIDITY 61%
ENGINEER Yutaka Yoshida

VIDEO AV 30 times

<GSM>

Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margine [dB]
1850.00	-42.1	20.3	4.9	-16.9	-13.0	3.9
1910.01	-40.7	20.3	4.9	-15.5	-13.0	2.5

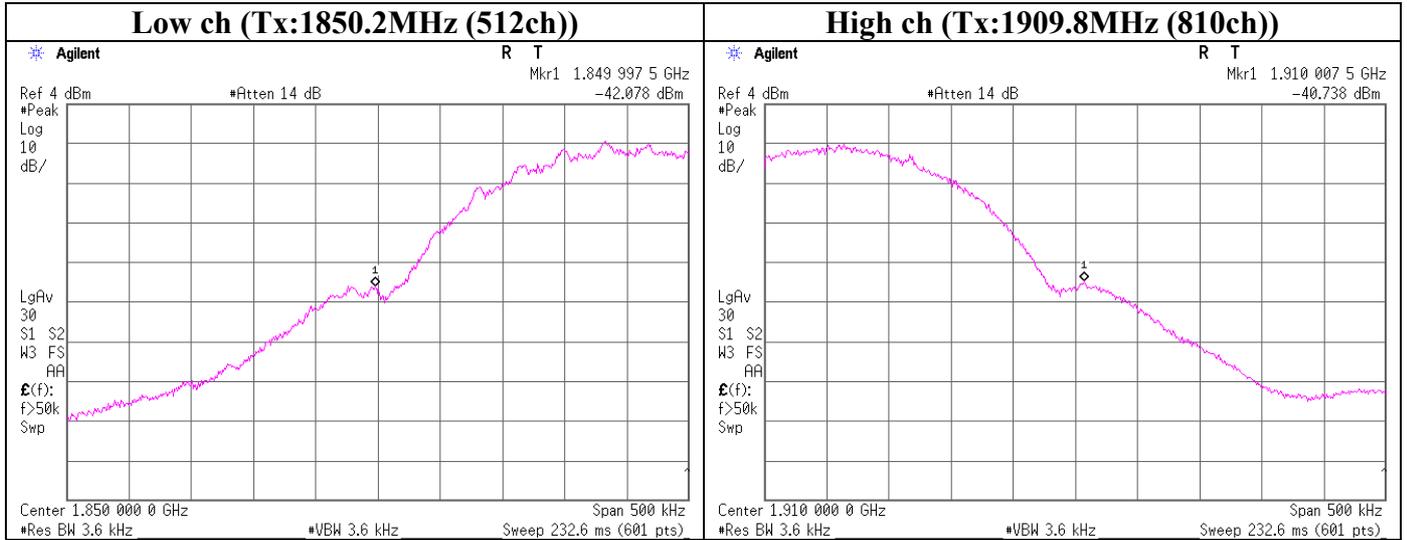
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Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margine [dB]
1850.00	-41.5	20.3	4.9	-16.3	-13.0	3.3
1910.01	-41.9	20.3	4.9	-16.7	-13.0	3.7

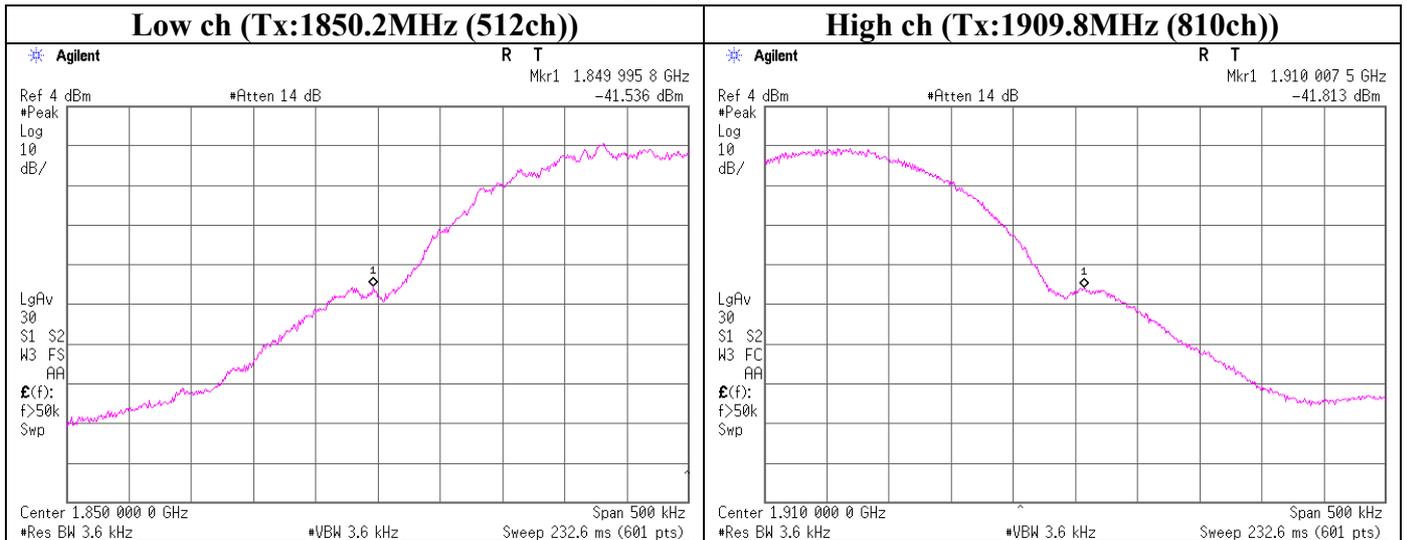
Sample Calculation : Result = Reading + Atten. + Cable Loss

Band Edge(Conducted)

<GSM>



<EGPRS>



Band Edge (Radiated)

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

Company SHARP CORPORATION
Equipment Wireless PDA
Model PV250
S/N 001
Power AC 120V / 60Hz
Mode GSM Mode / EGPRS Mode (PCS1900)
MAX Power
EUT-Position H: X-axis / V: Y-axis
Tx Antenna 0.8m Height

Report Number 27JE0086-HO
Regulation FCC Part 24 Section 24.238(b)
Test Method FCC Part 2 Section 2.1049
Test Distance 3m
Date May 28, 2007
Temperature 22 deg.C.
Humidity 46 %
Engineer Yutaka Yoshida
Date May 28, 2007

<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 (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	1850.00	79.5	79.3				-27.0	-28.7		2.3	10.0		
2	1910.00	81.9	79.7	-25.2	-28.8	2.4	10.2	0.0	-17.3	-20.9	-13.0	4.3	7.9	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 (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	1850.00	79.0	78.3				-27.5	-29.7		2.3	10.0		
2	1910.00	77.5	78.7	-29.6	-29.8	2.4	10.2	0.0	-21.7	-21.9	-13.0	8.7	8.9	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.

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

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

Spurious Emission (Conducted)

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

COMPANY SHARP CORPORATION
EQUIPMENT Wireless PDA
MODEL PV250
S/N 001
POWER DC3.9V (AC120V/60Hz)
MODE Tx PCL=0(MAX Pow)

REPORT NO 27JE0086-HO
REGULATION Fcc Part 24 Section 24.238(a)
TEST METHOD Fcc Part 2 Section 2.1051
TEST DISTANCE -
DATE 06/19/2007
TEMPERATURE 26°C
HUMIDITY 51%
ENGINEER Yutaka Yoshida

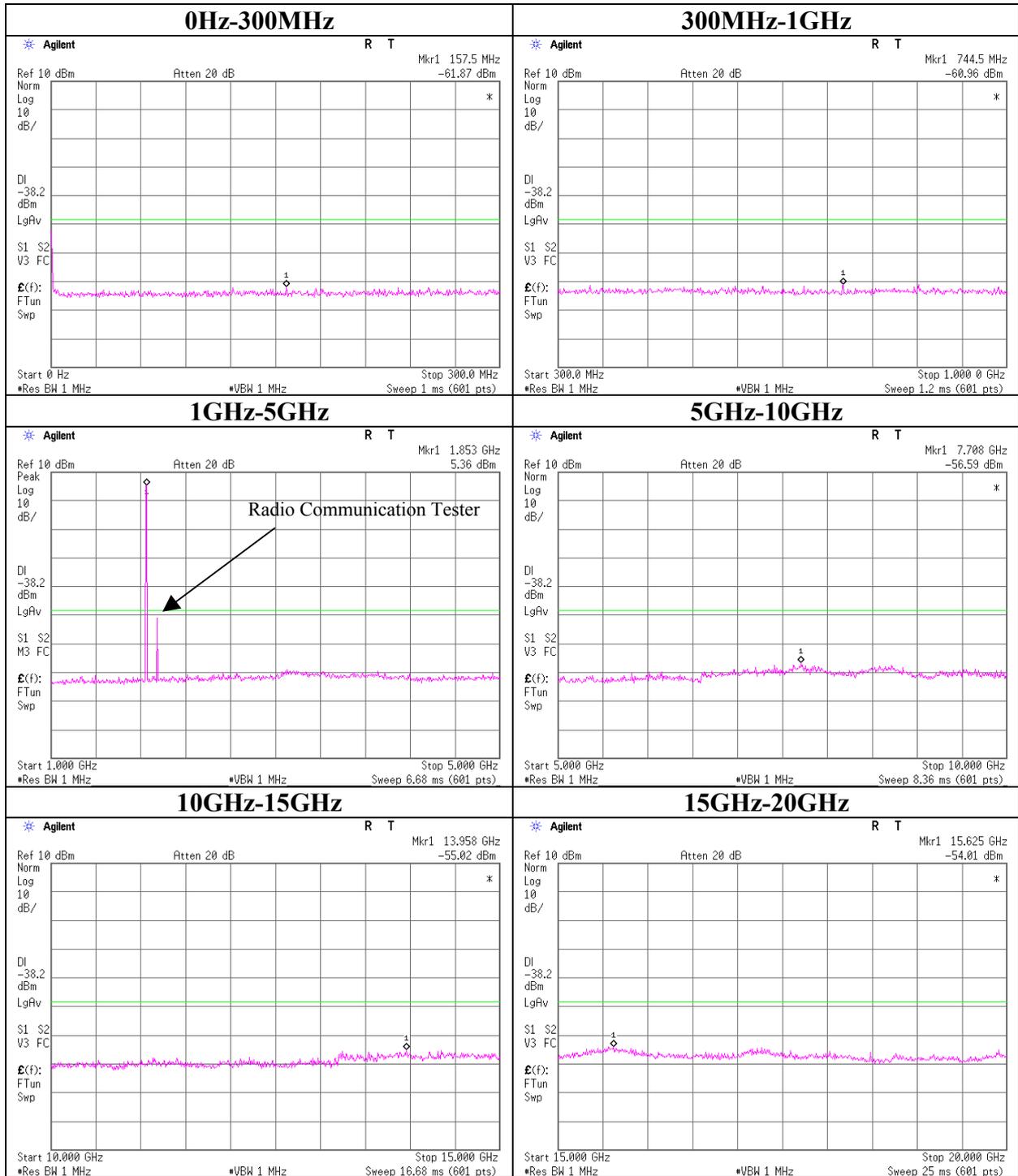
Limit Line

Tx Frequency [MHz]	Limit [dBm]	Atten. [dB]	Cable Loss [dB]	Limit Line [dBm]
1850.2	-13.0	20.3	4.9	-38.2
1880	-13.0	20.3	4.9	-38.2
1909.8	-13.0	20.3	4.9	-38.2

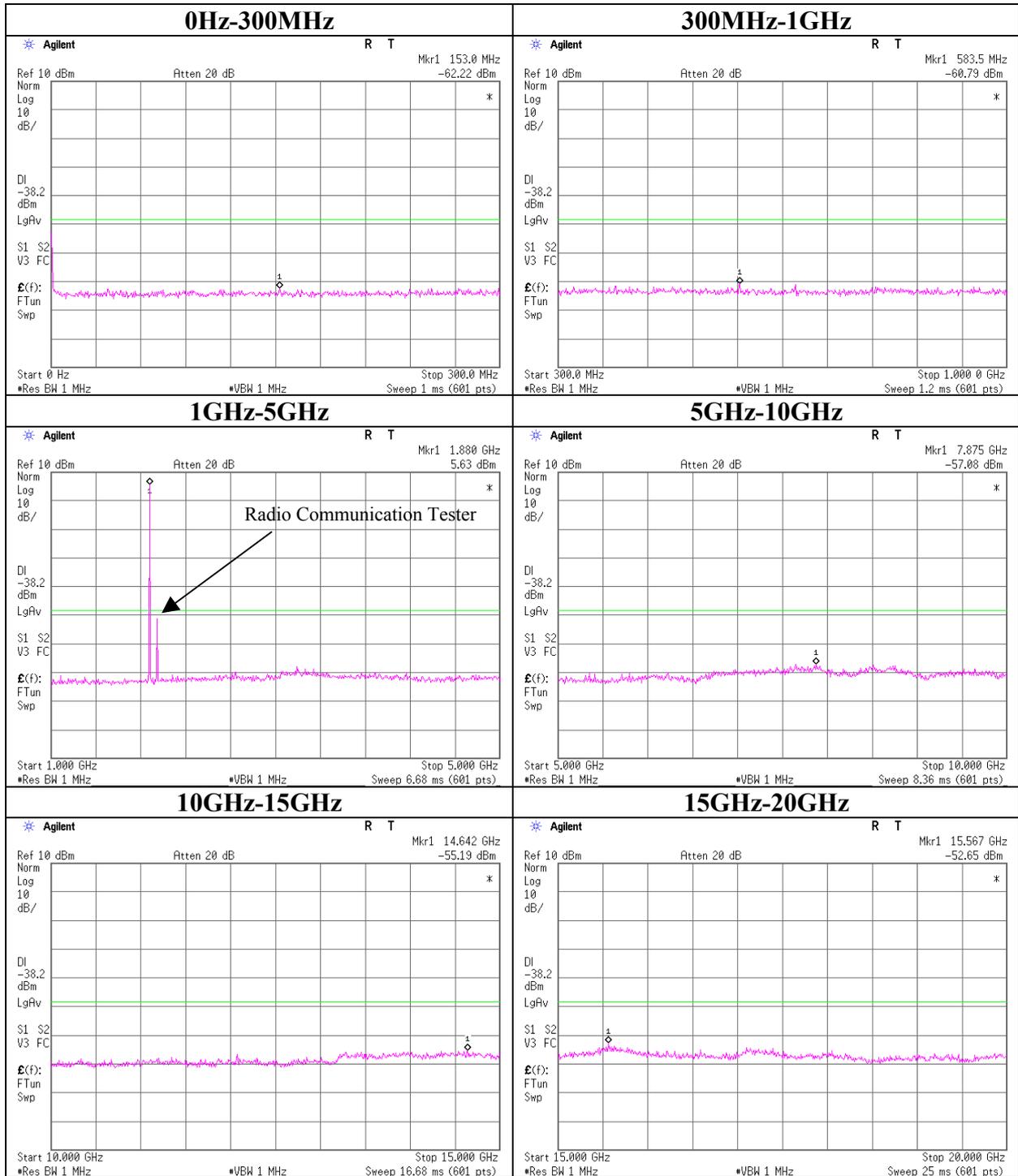
Sample Calculation : Limit Line = Limit - Atten. - Cable Loss

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

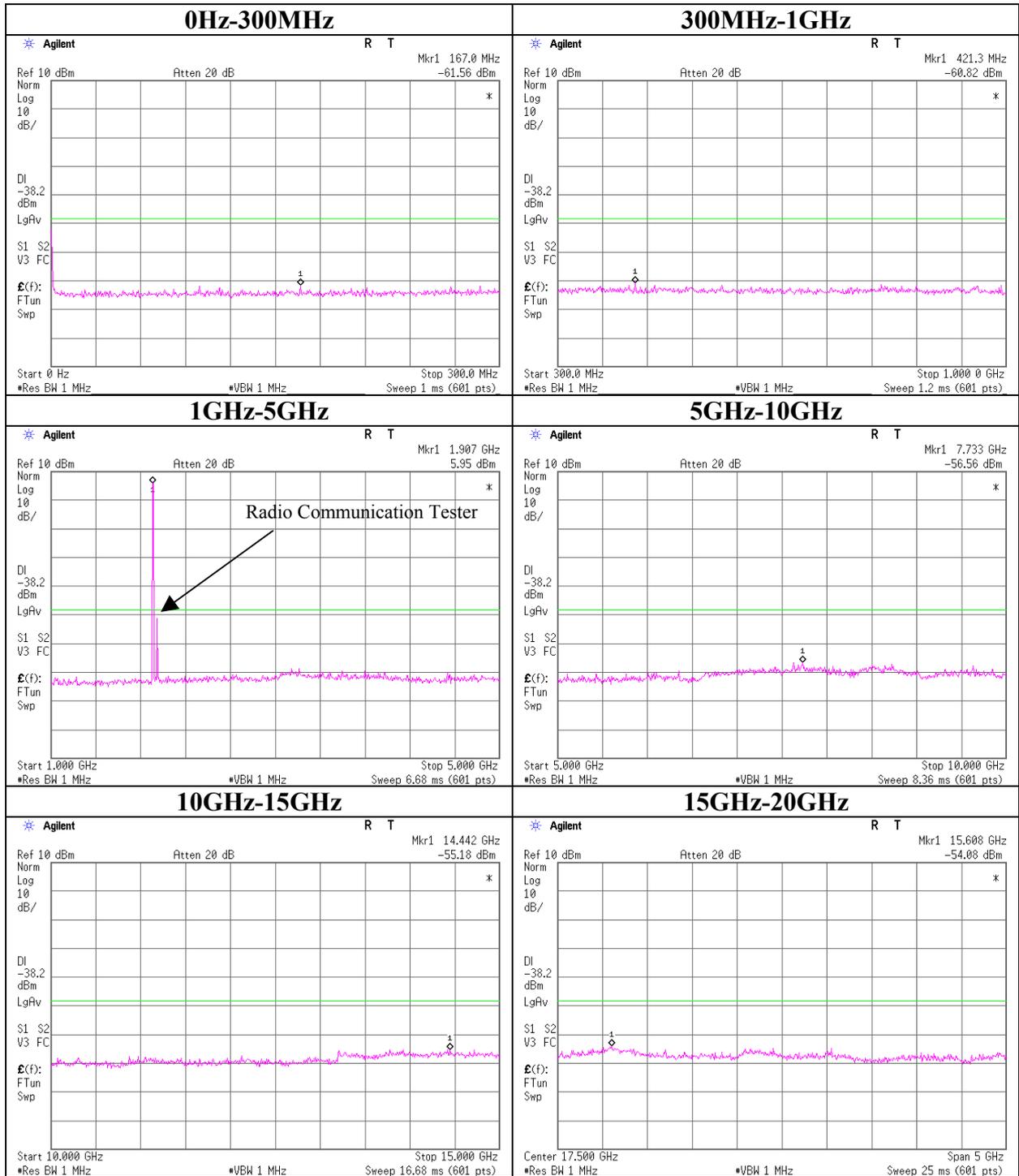
Spurious Emission (Conducted)
GSM / Tx:1850.2MHz



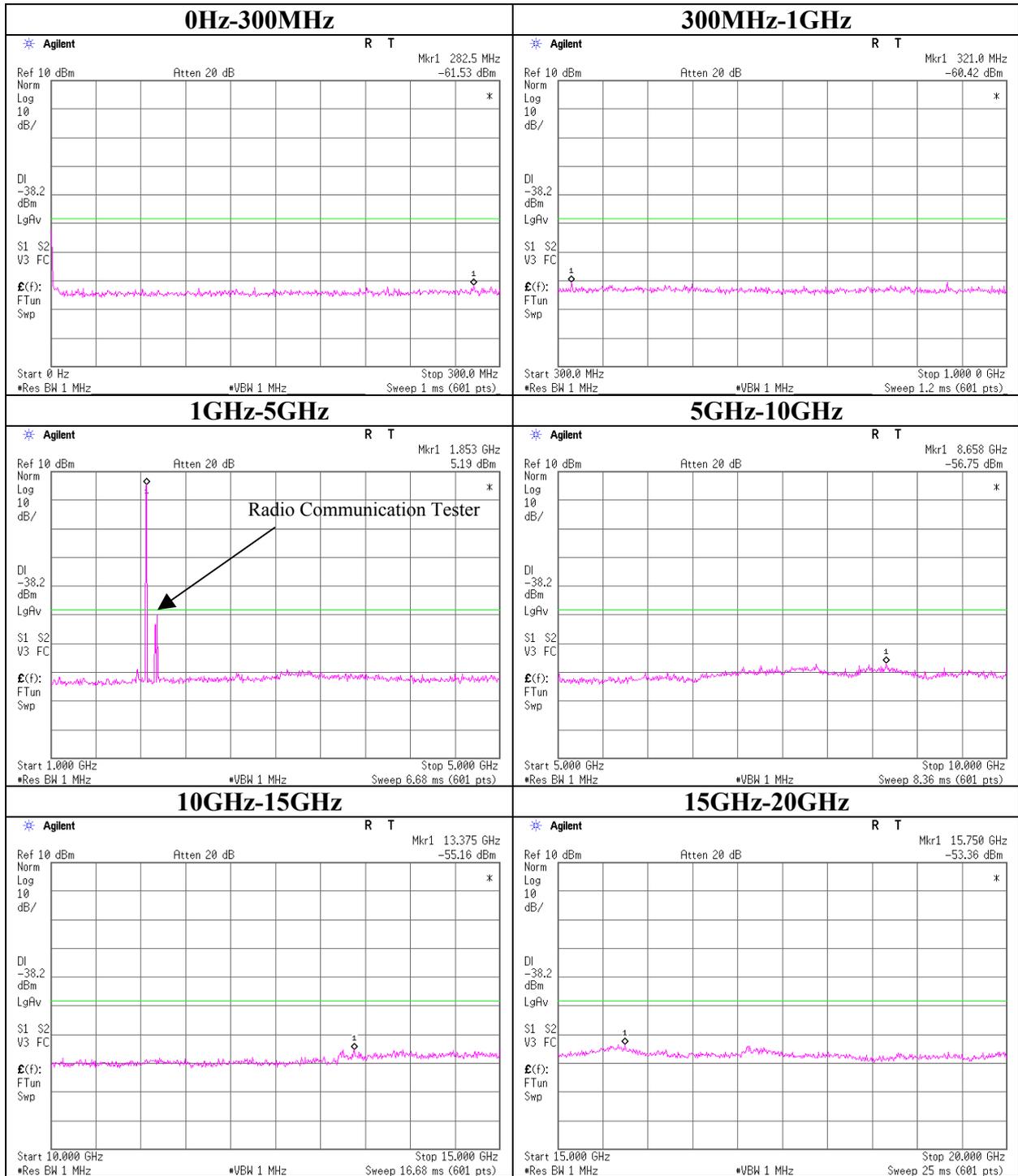
Spurious Emission (Conducted)
GSM / Tx:1880.0MHz



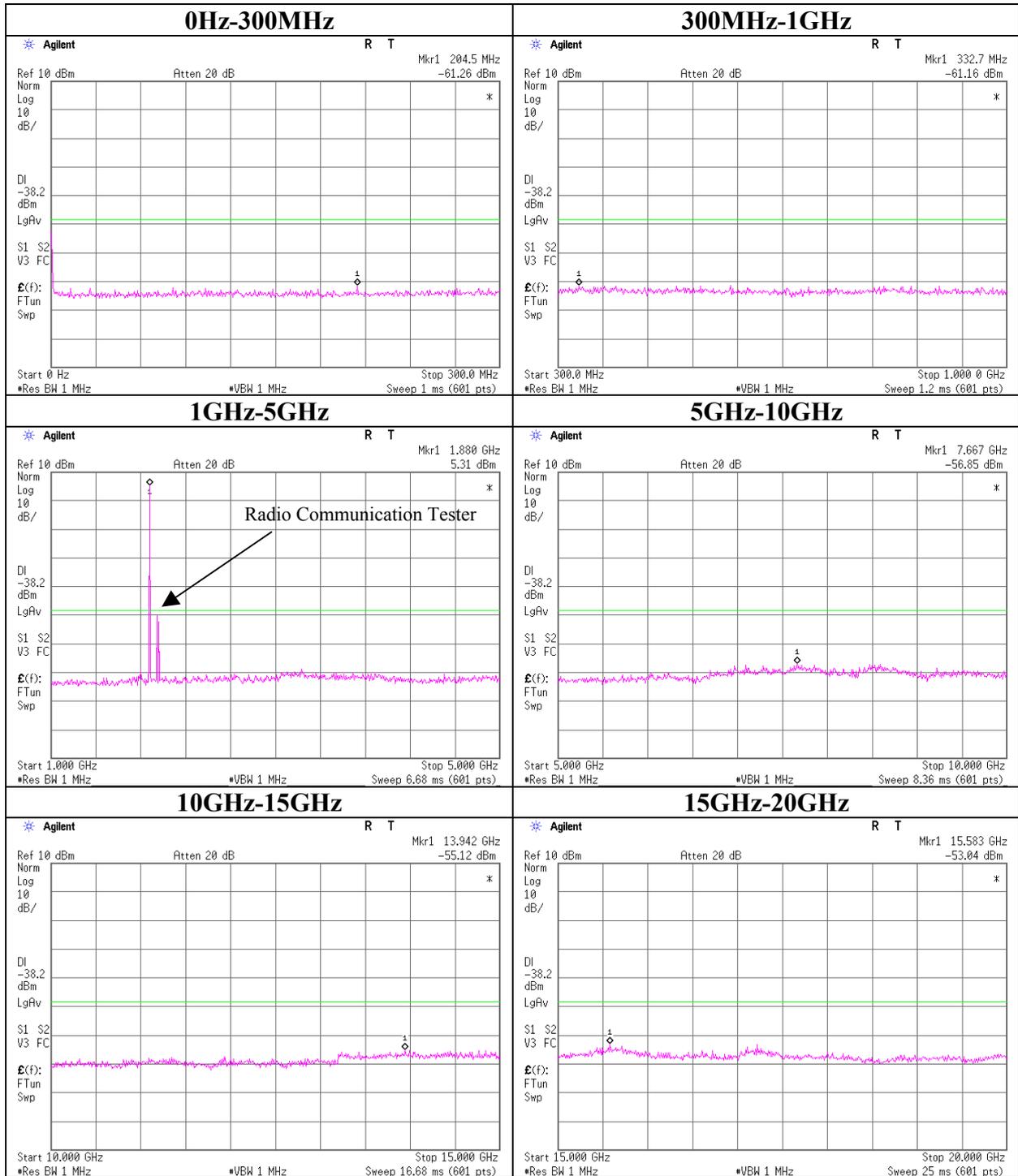
Spurious Emission (Conducted)
GSM / Tx:1909.8MHz



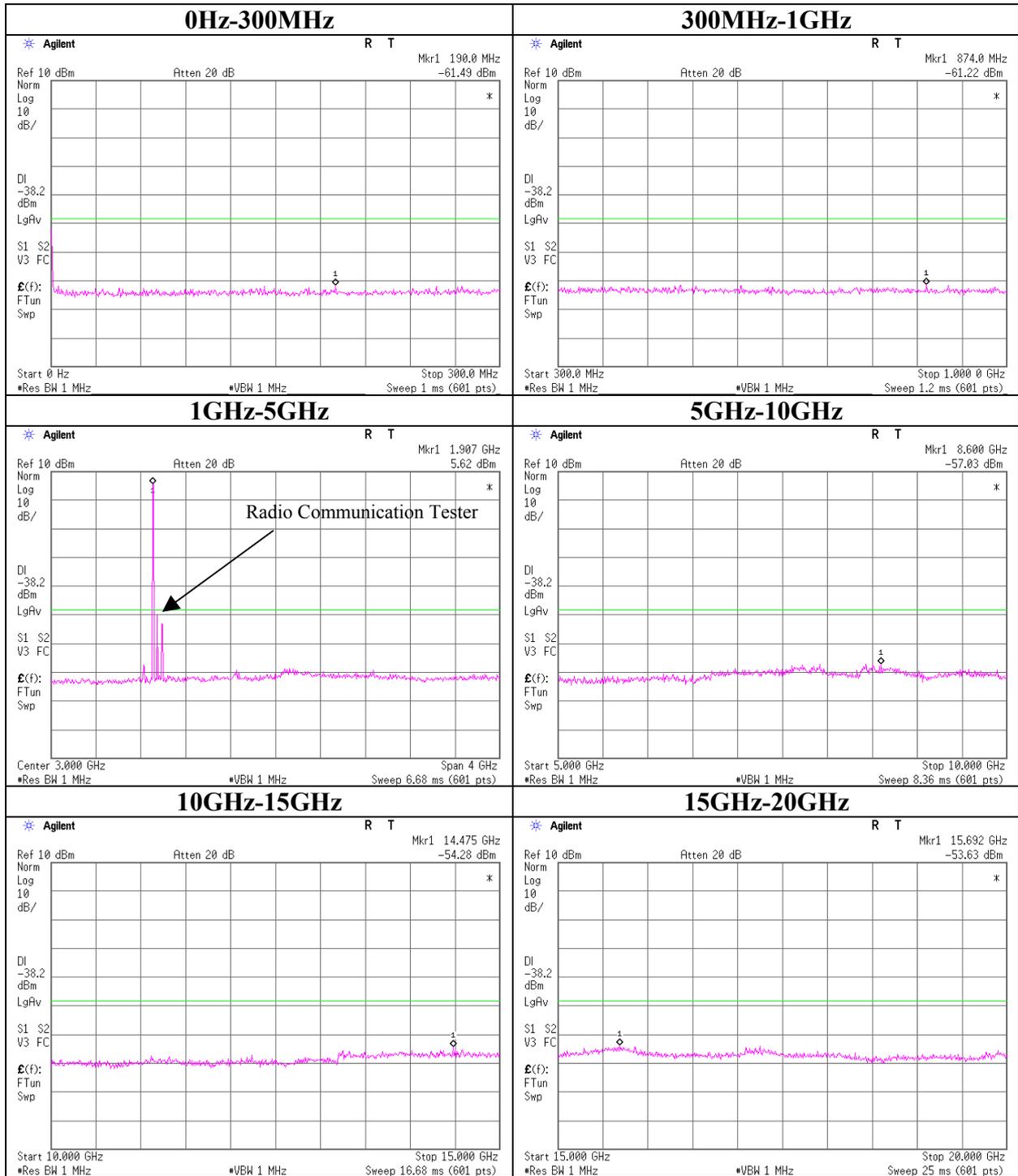
Spurious Emission (Conducted)
EGPRS / Tx:1850.2MHz



Spurious Emission (Conducted)
EGPRS / Tx:1880.0MHz



Spurious Emission (Conducted)
EGPRS / Tx:1909.8MHz



Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	27JE0086-HO
Equipment	Wireless PDA	Regulation	FCC Part 24 Section 24.238(a)
Model	PV250	Test Method	FCC Part 2 Section 2.1046
S/N	001	Test Distance	3m / 1m / 0.5m
Power	AC 120V / 60Hz	Date	May 28, 2007 May 30, 2007
Mode	GSM Mode(PCS1900)	Temperature	22 deg.C. 24 deg.C.
	Tx 1850.2MHz(Ch512) / MAX Power	Humidity	46 % 60 %
EUT-Position	H: X-axis / V: Y-axis	Engineer	Yutaka Shinya Yoshida Watanabe
Tx Antenna	0.8m Height		

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	42.15	35.0	43.8	-20.8	-21.0	0.4	-23.1	10.3	-54.7	-54.9	-13.0	41.7	41.9	Operating	No4
2	76.35	32.4	42.0	-43.1	-34.8	0.5	-9.1	9.6	-62.4	-54.1	-13.0	49.4	41.1	Operating	No4
3	114.05	42.2	37.1	-45.9	-50.9	0.6	1.0	9.9	-55.5	-60.5	-13.0	42.5	47.5	Operating	No4
4	153.30	52.0	48.3	-37.8	-39.3	0.7	2.2	9.7	-46.0	-47.5	-13.0	33.0	34.5	Operating	No4
5	379.33	39.0	37.8	-50.7	-49.1	1.2	2.2	9.7	-59.5	-57.8	-13.0	46.5	44.8	Operating	No4
6	431.83	41.2	39.7	-48.5	-48.2	1.2	2.2	9.8	-57.4	-57.1	-13.0	44.4	44.1	Operating	No4
7	3700.40	72.2	74.0	-34.9	-34.0	3.5	11.8	0.0	-26.6	-25.6	-13.0	13.6	12.6	Operating	No4
8	5550.60	67.1	64.5	-39.4	-43.6	4.8	12.8	0.0	-31.4	-35.6	-13.0	18.4	22.6	Operating	No4
9	7400.80	55.1	55.4	-46.7	-47.6	5.9	11.5	0.0	-41.2	-42.0	-13.0	28.2	29.0	Operating	No4
10	9251.00	55.1	55.0	-44.7	-47.3	6.7	11.3	0.0	-40.1	-42.6	-13.0	27.1	29.6	Operating	No4
11	11101.20	63.1	63.5	-45.2	-44.1	7.1	11.8	0.0	-40.6	-39.4	-13.0	27.6	26.4	Operating	No4
12	12951.40	65.9	62.8	-41.5	-46.7	8.9	14.0	0.0	-36.5	-41.6	-13.0	23.5	28.6	Operating	No4
13	14801.60	59.4	56.9	-52.0	-51.8	8.3	13.5	0.0	-46.9	-46.7	-13.0	33.9	33.7	Operating	No4
14	16651.80	56.6	56.1	-47.9	-47.0	9.0	16.1	0.0	-40.9	-39.9	-13.0	27.9	26.9	Operating	No4
15	18502.00	49.1	48.9	-52.9	-52.7	12.3	16.6	0.0	-48.6	-48.4	-13.0	35.6	35.4	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperriodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company SHARP CORPORATION
Equipment Wireless PDA
Model PV250
S/N 001
Power AC 120V / 60Hz
Mode GSM Mode(PCS1900)
 Tx 1880MHz(Ch661) / MAX Power
EUT-Position H: X-axis / V: Y-axis
Tx Antenna 0.8m Height

Report Number 27JE0086-HO
Regulation FCC Part 24 Section 24.238(a)
Test Method FCC Part 2 Section 2.1046
Test Distance 3m / 1m / 0.5m
Date May 28, 2007 May 30, 2007
Temperature 22 deg.C. 24 deg.C.
Humidity 46 % 60 %
Engineer Yutaka Shinya
 Yoshida Watanabe

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	44.18	35.8	43.0	-21.4	-22.8	0.4	-22.0	10.3	-54.1	-55.5	-13.0	41.1	42.5	Operating	No4
2	82.43	35.3	40.5	-42.8	-38.3	0.5	-7.1	9.4	-59.8	-55.3	-13.0	46.8	42.3	Operating	No4
3	113.82	46.8	46.3	-41.3	-41.7	0.6	0.9	9.9	-50.9	-51.3	-13.0	37.9	38.3	Operating	No4
4	151.67	52.8	47.9	-36.9	-39.7	0.7	2.2	9.7	-45.2	-48.0	-13.0	32.2	35.0	Operating	No4
5	375.90	39.1	38.2	-50.6	-48.6	1.2	2.2	9.7	-59.3	-57.3	-13.0	46.3	44.3	Operating	No4
6	428.45	40.3	39.8	-49.4	-48.0	1.2	2.2	9.8	-58.3	-56.9	-13.0	45.3	43.9	Operating	No4
7	3760.00	77.1	76.6	-30.1	-31.3	3.6	11.9	0.0	-21.7	-23.0	-13.0	8.7	10.0	Operating	No4
8	5640.00	67.4	68.9	-39.0	-39.0	4.9	12.9	0.0	-31.0	-31.0	-13.0	18.0	18.0	Operating	No4
9	7520.00	59.9	60.7	-41.7	-42.2	6.0	11.4	0.0	-36.3	-36.8	-13.0	23.3	23.8	Operating	No4
10	9400.00	53.9	54.2	-45.8	-48.1	6.6	11.3	0.0	-41.1	-43.4	-13.0	28.1	30.4	Operating	No4
11	11280.00	69.5	70.4	-39.0	-37.5	7.3	12.0	0.0	-34.3	-32.8	-13.0	21.3	19.8	Operating	No4
12	13160.00	72.7	69.5	-35.4	-40.3	8.9	13.3	0.0	-30.9	-35.9	-13.0	17.9	22.9	Operating	No4
13	15040.00	58.1	56.7	-52.9	-51.0	8.4	14.6	0.0	-46.7	-44.8	-13.0	33.7	31.8	Operating	No4
14	16920.00	59.0	57.4	-45.2	-46.3	9.2	15.2	0.0	-39.3	-40.3	-13.0	26.3	27.3	Operating	No4
15	18800.00	48.3	48.9	-53.5	-52.6	12.4	16.6	0.0	-49.3	-48.4	-13.0	36.3	35.4	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	27JE0086-HO
Equipment	Wireless PDA	Regulation	FCC Part 24 Section 24.238(a)
Model	PV250	Test Method	FCC Part 2 Section 2.1046
S/N	001	Test Distance	3m / 1m / 0.5m
Power	AC 120V / 60Hz	Date	May 28, 2007 May 30, 2007
Mode	GSM Mode(PCS1900)	Temperature	22 deg.C. 24 deg.C.
	Tx 1909.8MHz(Ch810) / MAX Power	Humidity	46 % 60 %
EUT-Position	H: X-axis / V: Y-axis	Engineer	Yutaka Shinya Yoshida Watanabe
Tx Antenna	0.8m Height		

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	42.60	37.5	45.4	-18.6	-19.6	0.4	-22.9	10.3	-52.2	-53.2	-13.0	39.2	40.2	Operating	No4
2	82.77	32.4	39.8	-45.9	-39.2	0.5	-7.0	9.4	-62.8	-56.0	-13.0	49.8	43.0	Operating	No4
3	113.20	46.8	36.7	-41.3	-51.3	0.6	0.8	9.9	-51.0	-61.1	-13.0	38.0	48.1	Operating	No4
4	153.30	50.3	47.7	-39.5	-39.9	0.7	2.2	9.7	-47.7	-48.1	-13.0	34.7	35.1	Operating	No4
5	382.08	39.6	38.1	-50.1	-48.9	1.2	2.2	9.7	-58.9	-57.6	-13.0	45.9	44.6	Operating	No4
6	429.25	40.4	39.2	-49.3	-48.6	1.2	2.2	9.8	-58.2	-57.5	-13.0	45.2	44.5	Operating	No4
7	3819.60	77.6	76.7	-29.7	-31.2	3.6	12.0	0.0	-21.3	-22.9	-13.0	8.3	9.9	Operating	No4
8	5729.40	70.3	67.2	-36.0	-40.4	5.0	13.0	0.0	-28.0	-32.4	-13.0	15.0	19.4	Operating	No4
9	7639.20	60.4	61.0	-41.0	-41.8	6.0	11.3	0.0	-35.8	-36.5	-13.0	22.8	23.5	Operating	No4
10	9549.00	54.6	57.9	-45.0	-44.3	6.5	11.2	0.0	-40.3	-39.7	-13.0	27.3	26.7	Operating	No4
11	11458.80	72.7	73.7	-35.9	-34.6	7.4	12.2	0.0	-31.2	-29.8	-13.0	18.2	16.8	Operating	No4
12	13368.60	68.6	71.1	-40.4	-39.1	8.7	12.3	0.0	-36.8	-35.5	-13.0	23.8	22.5	Operating	No4
13	15278.40	60.1	61.1	-49.5	-45.1	8.3	15.5	0.0	-42.4	-38.0	-13.0	29.4	25.0	Operating	No4
14	17188.20	58.3	58.3	-47.1	-45.5	9.3	13.8	0.0	-42.6	-41.1	-13.0	29.6	28.1	Operating	No4
15	19098.00	50.6	49.6	-51.1	-51.8	12.5	16.6	0.0	-47.0	-47.7	-13.0	34.0	34.7	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperriodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	27JE0086-HO
Equipment	Wireless PDA	Regulation	FCC Part 24 Section 24.238(a)
Model	PV250	Test Method	FCC Part 2 Section 2.1046
S/N	001	Test Distance	3m / 1m / 0.5m
Power	AC 120V / 60Hz	Date	May 28, 2007 May 30, 2007
Mode	EGPRS Mode(PCS1900)	Temperature	22 deg.C. 24 deg.C.
	Tx 1850.2MHz(Ch512) / MAX Power	Humidity	46 % 60 %
EUT-Position	H: X-axis / V: Y-axis	Engineer	Yutaka Shinya Yoshida Watanabe
Tx Antenna	0.8m Height		

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					
1	43.53	36.8	44.8	-20.0	-20.7	0.4	-22.4	10.3	-53.0	-53.7	-13.0	40.0	40.7	Operating	No4
2	76.35	31.2	37.9	-44.3	-38.9	0.5	-9.1	9.6	-63.6	-58.2	-13.0	50.6	45.2	Operating	No4
3	113.25	37.4	40.9	-50.7	-47.1	0.6	0.8	9.9	-60.4	-56.9	-13.0	47.4	43.9	Operating	No4
4	152.10	41.1	40.2	-48.6	-47.4	0.7	2.2	9.7	-56.9	-55.7	-13.0	43.9	42.7	Operating	No4
5	379.33	39.0	38.4	-50.7	-48.5	1.2	2.2	9.7	-59.5	-57.2	-13.0	46.5	44.2	Operating	No4
6	430.30	40.2	39.5	-49.5	-48.3	1.2	2.2	9.8	-58.4	-57.2	-13.0	45.4	44.2	Operating	No4
7	3700.40	74.2	76.0	-32.9	-32.0	3.5	11.8	0.0	-24.6	-23.6	-13.0	11.6	10.6	Operating	No4
8	5550.60	68.2	64.3	-38.3	-43.8	4.8	12.8	0.0	-30.3	-35.8	-13.0	17.3	22.8	Operating	No4
9	7400.80	54.8	54.7	-47.0	-48.3	5.9	11.5	0.0	-41.5	-42.7	-13.0	28.5	29.7	Operating	No4
10	9251.00	54.6	54.5	-45.2	-47.8	6.7	11.3	0.0	-40.6	-43.1	-13.0	27.6	30.1	Operating	No4
11	11101.20	64.5	61.4	-43.8	-46.2	7.1	11.8	0.0	-39.2	-41.5	-13.0	26.2	28.5	Operating	No4
12	12951.40	60.9	63.8	-46.5	-45.7	8.9	14.0	0.0	-41.5	-40.6	-13.0	28.5	27.6	Operating	No4
13	14801.60	57.7	58.1	-53.7	-50.6	8.3	13.5	0.0	-48.6	-45.5	-13.0	35.6	32.5	Operating	No4
14	16651.80	56.6	57.0	-47.9	-46.1	9.0	16.1	0.0	-40.9	-39.0	-13.0	27.9	26.0	Operating	No4
15	18502.00	48.1	48.9	-53.9	-52.7	12.3	16.6	0.0	-49.6	-48.4	-13.0	36.6	35.4	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company SHARP CORPORATION
Equipment Wireless PDA
Model PV250
S/N 001
Power AC 120V / 60Hz
Mode EGPRS Mode(PCS1900)
Tx 1880MHz(Ch661) / MAX Power
EUT-Position H: X-axis / V: Y-axis
Tx Antenna 0.8m Height

Report Number 27JE0086-HO
Regulation FCC Part 24 Section 24.238(a)
Test Method FCC Part 2 Section 2.1046
Test Distance 3m / 1m / 0.5m
Date May 28, 2007 May 30, 2007
Temperature 22 deg.C. 24 deg.C.
Humidity 46 % 60 %
Engineer Yutaka Shinya
Yoshida Watanabe

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	46.05	34.3	42.9	-24.3	-23.7	0.4	-21.0	10.3	-55.9	-55.4	-13.0	42.9	42.4	Operating	No4
2	76.80	27.4	35.7	-48.3	-41.2	0.5	-9.0	9.6	-67.4	-60.3	-13.0	54.4	47.3	Operating	No4
3	118.08	37.8	33.4	-50.5	-54.5	0.6	1.8	10.0	-59.3	-63.4	-13.0	46.3	50.4	Operating	No4
4	152.62	38.5	36.7	-51.3	-50.9	0.7	2.2	9.7	-59.5	-59.1	-13.0	46.5	46.1	Operating	No4
5	377.27	37.3	38.2	-52.4	-48.6	1.2	2.2	9.7	-61.1	-57.4	-13.0	48.1	44.4	Operating	No4
6	426.75	39.4	39.4	-50.3	-48.4	1.2	2.2	9.8	-59.2	-57.3	-13.0	46.2	44.3	Operating	No4
7	3760.00	76.5	76.1	-30.7	-31.8	3.6	11.9	0.0	-22.3	-23.5	-13.0	9.3	10.5	Operating	No4
8	5640.00	68.0	69.7	-38.4	-38.2	4.9	12.9	0.0	-30.4	-30.2	-13.0	17.4	17.2	Operating	No4
9	7520.00	61.5	60.6	-40.1	-42.3	6.0	11.4	0.0	-34.7	-36.9	-13.0	21.7	23.9	Operating	No4
10	9400.00	58.5	58.9	-41.2	-43.4	6.6	11.3	0.0	-36.5	-38.7	-13.0	23.5	25.7	Operating	No4
11	11280.00	69.2	70.0	-39.3	-37.9	7.3	12.0	0.0	-34.6	-33.2	-13.0	21.6	20.2	Operating	No4
12	13160.00	71.4	68.2	-36.7	-41.6	8.9	13.3	0.0	-32.2	-37.2	-13.0	19.2	24.2	Operating	No4
13	15040.00	56.1	57.1	-54.9	-50.6	8.4	14.6	0.0	-48.7	-44.4	-13.0	35.7	31.4	Operating	No4
14	16920.00	58.2	56.0	-46.0	-47.7	9.2	15.2	0.0	-40.1	-41.7	-13.0	27.1	28.7	Operating	No4
15	18800.00	49.6	49.6	-52.2	-51.9	12.4	16.6	0.0	-48.0	-47.7	-13.0	35.0	34.7	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company SHARP CORPORATION
Equipment Wireless PDA
Model PV250
S/N 001
Power AC 120V / 60Hz
Mode EGPRS Mode(PCS1900)
Tx 1909.8MHz(Ch810) / MAX Power
EUT-Position H: X-axis / V: Y-axis
Tx Antenna 0.8m Height

Report Number 27JE0086-HO
Regulation FCC Part 24 Section 24.238(a)
Test Method FCC Part 2 Section 2.1046
Test Distance 3m / 1m / 0.5m
Date May 28, 2007 May 30, 2007
Temperature 22 deg.C. 24 deg.C.
Humidity 46 % 60 %
Engineer Yutaka Shinya
Yoshida Watanabe

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx	Tx	Tx Ant.	RESULT (EIRP) [dBm]		LIMIT	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER	Cable Loss [dB]	Ant. Gain [dBi]	ATT. Loss [dB]	HOR	VER	[dBm] (EIRP)	HOR	VER		
1	44.97	37.7	42.6	-20.1	-23.6	0.4	-21.6	10.3	-52.3	-55.8	-13.0	39.3	42.8	Operating	No4
2	74.17	28.7	35.3	-46.0	-41.0	0.5	-9.9	9.8	-66.2	-61.2	-13.0	53.2	48.2	Operating	No4
3	117.58	38.8	39.7	-49.5	-48.2	0.6	1.7	10.0	-58.4	-57.2	-13.0	45.4	44.2	Operating	No4
4	152.00	37.2	39.3	-52.5	-48.3	0.7	2.2	9.7	-60.8	-56.6	-13.0	47.8	43.6	Operating	No4
5	379.00	37.5	38.1	-52.2	-48.8	1.2	2.2	9.7	-61.0	-57.5	-13.0	48.0	44.5	Operating	No4
6	435.95	39.6	39.9	-50.1	-48.0	1.2	2.2	9.9	-59.0	-56.9	-13.0	46.0	43.9	Operating	No4
7	3819.60	75.9	76.2	-31.4	-31.7	3.6	12.0	0.0	-23.0	-23.4	-13.0	10.0	10.4	Operating	No4
8	5729.40	69.9	69.9	-36.4	-37.7	5.0	13.0	0.0	-28.4	-29.7	-13.0	15.4	16.7	Operating	No4
9	7639.20	62.4	61.3	-39.0	-41.5	6.0	11.3	0.0	-33.8	-36.2	-13.0	20.8	23.2	Operating	No4
10	9549.00	56.4	56.3	-43.2	-45.9	6.5	11.2	0.0	-38.5	-41.3	-13.0	25.5	28.3	Operating	No4
11	11458.80	71.6	72.9	-37.0	-35.4	7.4	12.2	0.0	-32.3	-30.6	-13.0	19.3	17.6	Operating	No4
12	13368.60	72.1	70.2	-36.9	-40.0	8.7	12.3	0.0	-33.3	-36.4	-13.0	20.3	23.4	Operating	No4
13	15278.40	58.7	60.0	-50.9	-46.2	8.3	15.5	0.0	-43.8	-39.1	-13.0	30.8	26.1	Operating	No4
14	17188.20	58.9	58.5	-46.5	-45.3	9.3	13.8	0.0	-42.0	-40.9	-13.0	29.0	27.9	Operating	No4
15	19098.00	49.8	50.5	-51.9	-50.9	12.5	16.6	0.0	-47.8	-46.8	-13.0	34.8	33.8	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.

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

Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Spurious Radiation

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

Company	SHARP CORPORATION	Report Number	27JE0086-HO		
Equipment	Wireless PDA	Regulation	FCC Part 24 Section 24.238(a)		
Model	PV250	Test Method	FCC Part 2 Section 2.1046		
S/N	001	Test Distance	3m / 1m / 0.5m		
Power	AC 120V / 60Hz	Date	May 28, 2007	May 30, 2007	June 4, 2007
Mode	EGPRS Mode(PCS1900)+BT Tx(2441MHz)	Temperature	22 deg.C.	24 deg.C.	23 deg.C.
	Tx 1880MHz(Ch661) / MAX Power	Humidity	46 %	60 %	66 %
EUT-Position	H: X-axis / V: Y-axis	Engineer	Yutaka	Shinya	Yutaka
			Yoshida	Watanabe	Yoshida
Tx Antenna	0.8m Height				

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx	Tx	Tx Ant.	RESULT (EIRP) [dBm]		LIMIT	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER	Cable Loss [dB]	Ant. Gain [dBi]	ATT. Loss [dB]	HOR	VER	[dBm] (EIRP)	HOR	VER		
1	45.50	32.8	41.0	-25.4	-25.4	0.4	-21.3	10.3	-57.3	-57.3	-13.0	44.3	44.3	Operating	No4
2	75.58	28.6	44.1	-46.7	-32.5	0.5	-9.4	9.7	-66.3	-52.1	-13.0	53.3	39.1	Operating	No4
3	116.80	40.2	36.3	-48.0	-51.7	0.6	1.5	10.0	-57.1	-60.7	-13.0	44.1	47.7	Operating	No4
4	153.95	37.6	35.7	-52.2	-51.8	0.7	2.2	9.7	-60.4	-60.1	-13.0	47.4	47.1	Operating	No4
5	378.20	39.2	37.8	-50.5	-49.0	1.2	2.2	9.7	-59.2	-57.8	-13.0	46.2	44.8	Operating	No4
6	433.87	39.4	39.4	-50.3	-48.5	1.2	2.2	9.9	-59.2	-57.4	-13.0	46.2	44.4	Operating	No4
7	3760.00	74.7	76.2	-32.5	-31.7	3.6	11.9	0.0	-24.1	-23.4	-13.0	11.1	10.4	Operating	No4
8	5640.00	65.5	67.0	-40.9	-40.9	4.9	12.9	0.0	-32.9	-32.9	-13.0	19.9	19.9	Operating	No4
9	7520.00	56.3	55.7	-45.3	-47.2	6.0	11.4	0.0	-39.9	-41.8	-13.0	26.9	28.8	Operating	No4
10	9400.00	55.6	56.9	-44.1	-45.4	6.6	11.3	0.0	-39.4	-40.7	-13.0	26.4	27.7	Operating	No4
11	11280.00	64.1	65.9	-44.4	-42.1	7.3	12.0	0.0	-39.7	-37.4	-13.0	26.7	24.4	Operating	No4
12	13160.00	62.0	68.7	-46.1	-41.1	8.9	13.3	0.0	-41.7	-36.7	-13.0	28.7	23.7	Operating	No4
13	15040.00	56.2	58.1	-54.9	-49.7	8.4	14.6	0.0	-48.6	-43.4	-13.0	35.6	30.4	Operating	No4
14	16920.00	59.2	59.5	-45.1	-44.2	9.2	15.2	0.0	-39.1	-38.3	-13.0	26.1	25.3	Operating	No4
15	18800.00	53.9	53.9	-48.0	-47.6	12.4	16.6	0.0	-43.8	-43.4	-13.0	30.8	30.4	Operating	No4

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss
Rx-ANTENNA : Biconical Antenna(30-300MHz), Logperiodic Antenna(300-1000MHz), Horn Antenna(1-20GHz)
Tx-ANTENNA : Shorted Dipole Antenna(30-120MHz), Dipole Antenna(120-1000MHz), Horn Antenna(1-20GHz)
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 limit is rounded down to one decimal place.

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

Detector : S/A PK(RBW:1MHz / VBW:1MHz)

Frequency Stability(Temperature/Voltage Variation)

UL Japan, Inc.
Head Office EMC Lab. No.7 Shielded Room

COMPANY	SHARP CORPORATION	REPORT NO	27JE0086-HO
EQUIPMENT	Wireless PDA	REGULATION	FCC Part24 Section 24.235
MODEL	PV250	TEST METHOD	FCC Part2 Section 2.1055(a)(1) and(b)
S/N	001		FCC Part2 Section 2.1055(d)(1) and(2)
POWER	DC3.9V(Rated Voltage)	TEST DISTANCE	-
MODE	Tx 1880.0MHz (661ch)/PCL=0(MAX Pow)	DATE	06/22/2007
		TEMPERATURE	24°C
		HUMIDITY	51%
		ENGINEER	Yutaka Yoshida

<PCS1900>

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	1879.999844	118	0.063	-
-20.0	3.9	1880.000012	-50	-0.027	-
-10.0	3.9	1879.999914	48	0.026	-
0.0	3.9	1880.000120	-158	-0.084	-
10.0	3.9	1879.999849	113	0.060	-
20.0	3.9	1879.999962	0	0.000	Reference
30.0	3.9	1879.999895	67	0.036	-
40.0	3.9	1880.000004	-42	-0.022	-
50.0	3.9	1880.000147	-185	-0.098	-

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.600	1879.999927	35	0.019	-
20.0	3.900	1879.999962	0	0.000	Reference
20.0	4.200	1880.000025	-63	-0.034	-

Frequency Stability(Temperature/Voltage Variation)

UL Japan, Inc.
Head Office EMC Lab. No.7 Shielded Room

COMPANY	SHARP CORPORATION	REPORT NO	27JE0086-HO
EQUIPMENT	Wireless PDA	REGULATION	FCC Part24 Section 24.235
MODEL	PV250	TEST METHOD	FCC Part2 Section 2.1055(a)(1) and(b) FCC Part2 Section 2.1055(d)(1) and(2)
S/N	001	TEST DISTANCE	-
POWER	DC3.9V (Rated Voltage)	DATE	06/22/2007
MODE	Tx 1880.0MHz (661ch)/PCL=0(MAX Pow)	TEMPERATURE	24°C
		HUMIDITY	51%
		ENGINEER	Yutaka Yoshida

<EGPRS>

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	1880.000076	-186	-0.099	-
-20.0	3.9	1879.999876	14	0.007	-
-10.0	3.9	1879.999878	12	0.006	-
0.0	3.9	1879.999664	226	0.120	-
10.0	3.9	1880.000049	-159	-0.085	-
20.0	3.9	1879.999890	0	0.000	Reference
30.0	3.9	1879.999959	-69	-0.037	-
40.0	3.9	1880.000016	-57	-0.030	-
50.0	3.9	1880.000284	-268	-0.143	-

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.600	1880.000026	-136	-0.072	-
20.0	3.900	1879.999890	0	0.000	Reference
20.0	4.200	1879.999850	40	0.021	-

APPENDIX 3: Test instruments

EMI test equipment(1/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/03 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MBM-03	Barometer	Sunoh	SBR121	RE	2006/02/13 * 36
MPSU-09	Power Supply	NF	ES6000W	RE	Pre Check
MMM-10	DIGITAL HiTESTER	Hioki	3805	RE	2007/01/12 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/30 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/12 * 12
MHF-14	High Pass Filter 3.5-18GHz	TOKIMEC	TF323DCC	RE	2006/12/18 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE	2007/06/20 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MCC-50	Coaxial cable	UL Japan	-	RE	2007/03/06 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2007/01/19 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/12 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MAT-28	Attenuator(3dB)	TME	UFA-01	RE	2007/03/05 * 12
MAT-25	Attenuator(10dB)(above1GHz)	Agilent	8493C	AT	2006/06/02 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2007/03/07 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MCC-06	Microwave Cable 1G-26.5GHz 1m	Suhner	SUCOFLEX 104	AT	2007/02/26 * 12
MPSC-01	Power splitters/Combiners	Mini-Circuit	ZFSC-2-2500	AT	2006/09/20 * 12
MPSC-02	Power Splitters/Combiners	Mini-Circuit	ZFSC-2-10G	AT	2006/09/25 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12

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EMI test equipment(2/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MURC-01	Universal Radio communication Tester	Rohde & Schwarz	CMU200	RE/AT	Pre Check
MSTW-22	Universal Radio communication	Rohde & Schwarz	V3.54	RE/AT	-
MPSU-11	Power Supply	NF	ES1000S	AT	Pre Check
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MPM-08	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MCH-01	Temperature and Humidity Chamber	Tabai Espec	PL-2KP	AT	2006/12/21 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24
MMM-02	Digital Tester	Hioki	3255	AT	2007/03/23 * 12
MDPS-13	DC Power Supply	Kikusui	PAK35-10A	AT	Pre Check
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2006/11/27 * 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

UL Japan, Inc.

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