

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	29CE0264-HO-01
EQUIPMENT	W-CDMA / GSM Mobile Phone	REGULATION	FCC Part27 Section 27.50(d)(4)
MODEL	PV300	TEST METHOD	FCC Part2 Section 2.1046
S/N	P3-240	TEST DISTANCE	-
POWER	DC 5V (AC Adapter: AC120V/60Hz)	DATE	December 08, 19, 2008 March 24,2009
MODE	See below	TEMPERATURE	25 deg.C. 22 deg.C.
		HUMIDITY	40% 38%
		ENGINEER	Takahiro Hatakeda Takahiro Hatakeda

Mode	Ch	Frequency [MHz]	P/M Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
RMC 12.2kbps	Low	1712.4	8.8	10.0	4.2	23.0	30.0	7.0
	Mid	1732.6	8.8	10.0	4.2	23.0	30.0	7.0
	High	1752.6	8.7	10.0	4.2	22.9	30.0	7.1
AMR 12.2kbps with 3.4kbps SRB	Low	1712.4	8.7	10.0	4.2	22.9	30.0	7.1
	Mid	1732.6	8.6	10.0	4.2	22.8	30.0	7.2
	High	1752.6	8.5	10.0	4.2	22.7	30.0	7.3
HSDPA Subtest 1	Low	1712.4	8.7	10.0	4.2	22.9	30.0	7.1
	Mid	1732.6	8.7	10.0	4.2	22.9	30.0	7.1
	High	1752.6	8.6	10.0	4.2	22.8	30.0	7.2
HSDPA Subtest 2	Low	1712.4	8.6	10.0	4.2	22.8	30.0	7.2
	Mid	1732.6	8.6	10.0	4.2	22.8	30.0	7.2
	High	1752.6	8.5	10.0	4.2	22.7	30.0	7.3
HSDPA Subtest 3	Low	1712.4	8.7	10.0	4.2	22.9	30.0	7.1
	Mid	1732.6	8.7	10.0	4.2	22.9	30.0	7.1
	High	1752.6	8.6	10.0	4.2	22.8	30.0	7.2
HSDPA Subtest 4	Low	1712.4	8.2	10.0	4.2	22.4	30.0	7.6
	Mid	1732.6	8.2	10.0	4.2	22.4	30.0	7.6
	High	1752.6	8.2	10.0	4.2	22.4	30.0	7.6
HSUPA Subtest 1	Low	1712.4	8.3	10.0	4.2	22.5	30.0	7.5
	Mid	1732.6	8.6	10.0	4.2	22.8	30.0	7.2
	High	1752.6	8.6	10.0	4.2	22.8	30.0	7.2
HSUPA Subtest 2	Low	1712.4	6.9	10.0	4.2	21.1	30.0	8.9
	Mid	1732.6	6.9	10.0	4.2	21.1	30.0	8.9
	High	1752.6	6.9	10.0	4.2	21.1	30.0	8.9
HSUPA Subtest 3	Low	1712.4	7.7	10.0	4.2	21.9	30.0	8.1
	Mid	1732.6	7.9	10.0	4.2	22.1	30.0	7.9
	High	1752.6	7.8	10.0	4.2	22.0	30.0	8.0
HSUPA Subtest 4	Low	1712.4	7.4	10.0	4.2	21.6	30.0	8.4
	Mid	1732.6	7.4	10.0	4.2	21.6	30.0	8.4
	High	1752.6	7.4	10.0	4.2	21.6	30.0	8.4
HSUPA Subtest 5	Low	1712.4	8.5	10.0	4.2	22.7	30.0	7.3
	Mid	1732.6	8.6	10.0	4.2	22.8	30.0	7.2
	High	1752.6	8.6	10.0	4.2	22.8	30.0	7.2

Results = P/M Reading + Atten.Loss + Cable Loss

Peak Output Power (Radiated)
RMC12.2kbps Mode

COMPANY SHARP CORPORATION
EQUIPMENT W-CDMA / GSM Mobile Phone
MODEL NO. PV300
SERIAL NO. P3-156
POWER DC 5V (AC Adapter: AC120V/60Hz)
MODE RMC12.2kbps Mode
Tx 1712.4MHz
Tx 1732.6MHz
Tx 1752.6MHz
EUT-POSITION H: Z-axis / V: Z-axis
TX ANTENNA 0.8m Height

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber
REPORT NUMBER 29CE0264-HO-01
REGULATION FCC Part 27.50(d)(4)
TEST METHOD FCC Part 2 Section 2.1046
TEST DISTANCE 3m
DATE 12/10/2008
TEMPERATURE 20 deg.C.
HUMIDITY 36 %
ENGINEER Hisayoshi Sato

Ch.	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					
L	1712.40	122.4	122.7	21.1	21.1	3.6	8.9	0.0	26.3	26.3	30.0	3.7	3.7	Operating	No2
M	1732.60	122.9	123.0	21.5	21.3	3.6	9.0	0.0	26.8	26.6	30.0	3.2	3.4	Operating	No2
H	1752.60	122.9	121.5	21.5	19.8	3.7	9.1	0.0	26.9	25.2	30.0	3.1	4.8	Operating	No2

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-20GHz)
Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-20GHz)
All other emissions were at least 20dB below the specification limit.
*The test result is round off to one or two decimal places, so some differences might be observed.
Detector : RBW 5MHz, VBW 8MHz, Peak

Peak Output Power (Radiated)
HSUPA Subtest 5 Mode

UL Japan, Inc.

Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY SHARP CORPORATION
EQUIPMENT W-CDMA / GSM Mobile Phone
MODEL NO. PV300
SERIAL NO. P3-156
POWER DC 5V (AC Adapter: AC120V/60Hz)
MODE HSUPA Subtest 5 Mode
Tx 1712.4MHz
Tx 1732.6MHz
Tx 1752.6MHz
EUT-POSITION H: Z-axis / V: Z-axis
TX ANTENNA 0.8m Height

REPORT NUMBER 29CE0264-HO-01
REGULATION FCC Part 27.50(d)(4)
TEST METHOD FCC Part 2 Section 2.1046
TEST DISTANCE 3m
DATE 12/25/2008
TEMPERATURE 21 deg.C.
HUMIDITY 32 %
ENGINEER Hironobu Ohnishi

Ch.	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	[dB]	[dBi]	[dB]	HOR	VER	[dB]	HOR	VER		
L	1712.40	122.9	120.0	21.4	17.5	3.6	8.8	0.0	26.5	22.7	30.0	3.5	7.3	Operating	No1
M	1732.60	121.2	122.2	19.6	19.7	3.6	8.9	0.0	24.8	24.9	30.0	5.2	5.1	Operating	No1
H	1752.60	123.2	122.6	21.6	20.1	3.7	9.0	0.0	26.9	25.4	30.0	3.1	4.6	Operating	No1

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-20GHz)

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

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

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

Detector : RBW 5MHz, VBW 8MHz, Peak

Emission Bandwidth

UL Japan, Inc.
 Head Office EMC Lab. No.6 Shielded Room and No.11 Measurement Room

COMPANY	SHARP CORPORATION	REPORT NO	29CE0264-HO-01
EQUIPMENT	W-CDMA / GSM Mobile Phone	REGULATION	FCC Part27 Section 27.53(h)
MODEL	PV300	TEST METHOD	FCC Part2 Section 2.1049
S/N	P3-040	TEST DISTANCE	-
POWER	DC 5V (AC Adapter: AC120V/60Hz)	DATE	12/18/2008 12/26/2008
MODE	Tx 1712.4MHz	TEMPERATURE	25 deg.C. 22 deg.C.
	Tx 1732.6MHz	HUMIDITY	43% 40%
	Tx 1752.6MHz	ENGINEER	Takahiro Hatakeda Takahiro Hatakeda

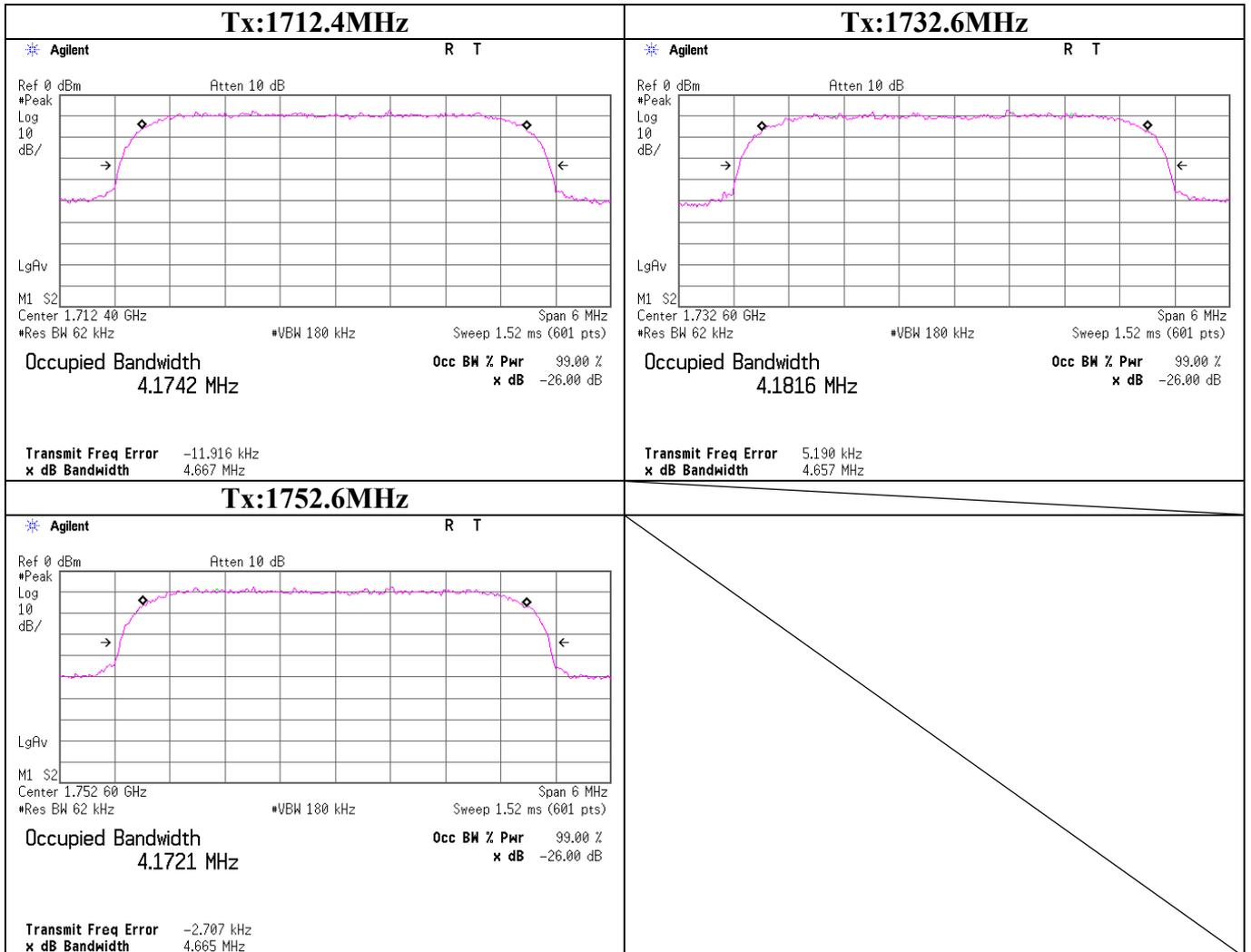
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CH	FREQ	26dB Bandwidth	99% OBW	Limit
	[MHz]	[MHz]	[MHz]	[MHz]
Low	1712.4	4.667	4.174	-
Mid	1732.6	4.657	4.182	-
High	1752.6	4.665	4.172	-

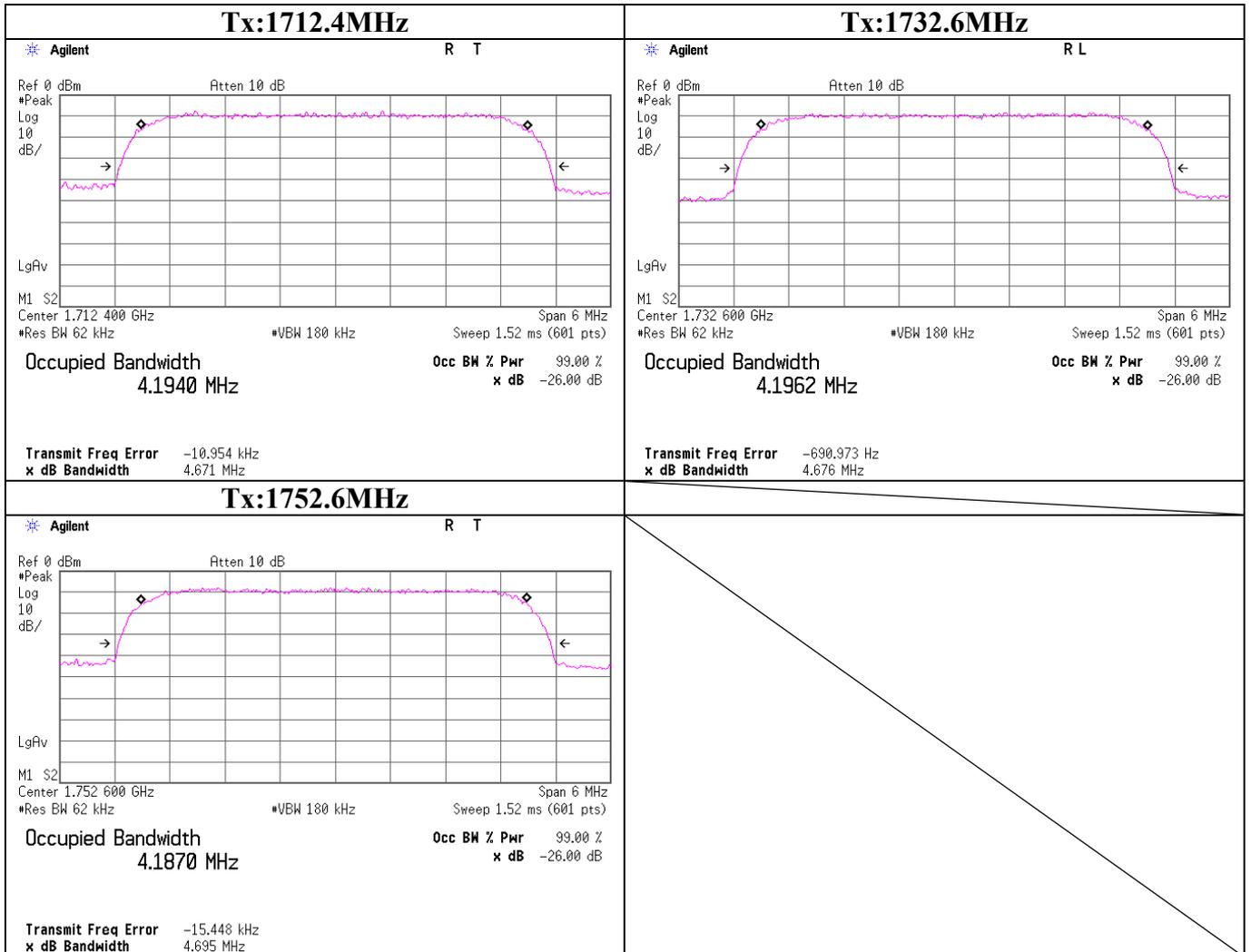
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CH	FREQ	26dB Bandwidth	99% OBW	Limit
	[MHz]	[MHz]	[MHz]	[MHz]
Low	1712.4	4.671	4.194	-
Mid	1732.6	4.676	4.196	-
High	1752.6	4.695	4.187	-

Emission Bandwidth
RMC12.2kbps Mode



Emission Bandwidth
HSUPA Subtest 5 Mode



Band-Edge (Conducted)

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room and No.11 Measurement Room

COMPANY	SHARP CORPORATION	REPORT NO	29CE0264-HO-01
EQUIPMENT	W-CDMA / GSM Mobile Phone	REGULATION	FCC Part27 Section 27.53(h)
MODEL	PV300	TEST METHOD	FCC Part2 Section 2.1049
S/N	P3-040	TEST DISTANCE	-
POWER	DC 5V (AC Adapter: AC120V/60Hz)	DATE	12/18/2008 12/26/2008
MODE	Tx 1712.4MHz Tx 1752.6MHz	TEMPERATURE	25 deg.C. 22 deg.C.
		HUMIDITY	43% 40%
		ENGINEER	Takahiro Hatakeda Takahiro Hatakeda

<RMC12.2kbps Mode>

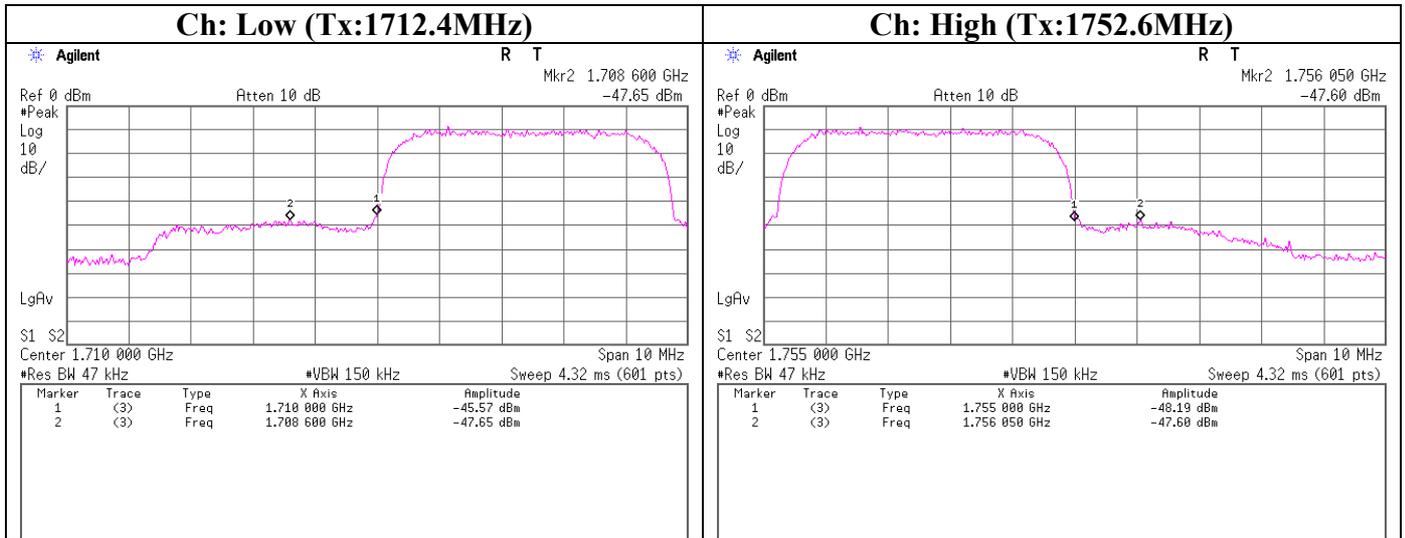
Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1708.600	-47.7	20.0	3.9	-23.8	-13.0	10.8
1710.000	-45.6	20.0	3.9	-21.7	-13.0	8.7
1755.000	-48.2	20.0	3.9	-24.3	-13.0	11.3
1756.050	-47.6	20.0	3.9	-23.7	-13.0	10.7

<HSUPA Subtest 5 Mode>

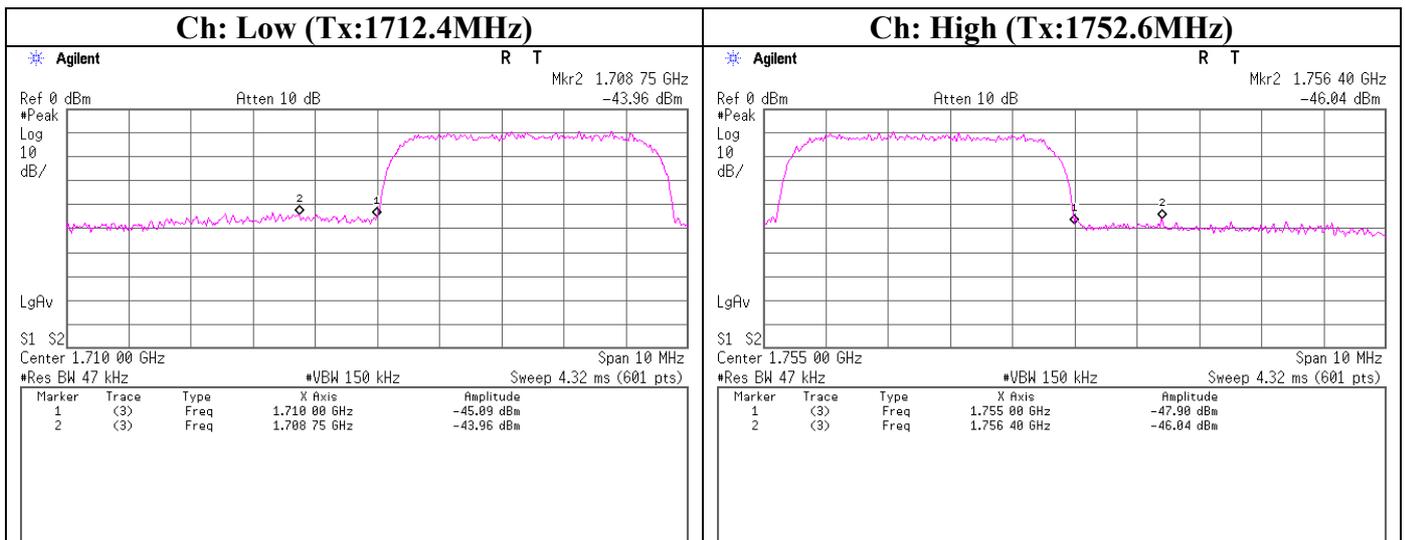
Frequency [MHz]	Reading [dBm]	Atten. [dB]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1708.750	-44.0	20.0	3.9	-20.1	-13.0	7.1
1710.000	-45.1	20.0	3.9	-21.2	-13.0	8.2
1755.000	-47.9	20.0	3.9	-24.0	-13.0	11.0
1756.400	-46.0	20.0	3.9	-22.1	-13.0	9.1

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

Band-Edge (Conducted)
RMC12.2kbps Mode



HSUPA Subtest 5 Mode



Band-Edge (Radiated)
RMC12.2kbps Mode

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

COMPANY	SHARP CORPORATION	REPORT NUMBER	29CE0264-HO-01
EQUIPMENT	W-CDMA / GSM Mobile Phone	REGULATION	FCC Part 27.53(h)
MODEL NO.	PV300	TEST METHOD	FCC Part 2 Section 2.1049
SERIAL NO.	P3-156	TEST DISTANCE	3m
POWER	DC 5V (AC Adapter: AC120V/60Hz)	DATE	12/10/2008
MODE	RMC12.2kbps Mode	TEMPERATURE	20 deg.C.
	Tx 1712.4MHz	HUMIDITY	36 %
	Tx 1752.6MHz	ENGINEER	Hisayoshi Sato
EUT-POSITION	H: Z-axis / V: Z-axis		
TX ANTENNA	0.8m Height		

Ch.	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		
		L	1710.00	72.5	75.1				-28.8	-26.5		3.6	8.8		
H	1755.00	72.4	70.6	-29.0	-31.1	3.7	9.1	0.0	-23.6	-25.7	-13.0	10.6	12.7	Operating	No2

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-20GHz)

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

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

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

Detector : RBW 47kHz, VBW 150kHz, Peak detect

Band-Edge (Radiated)
HSUPA Subtest 5 Mode

COMPANY	SHARP CORPORATION	UL Japan, Inc.
EQUIPMENT	W-CDMA / GSM Mobile Phone	Head Office EMC Lab. No.1 Semi Anechoic Chamber
MODEL NO.	PV300	REPORT NUMBER 29CE0264-HO-01
SERIAL NO.	P3-156	REGULATION FCC Part 27.53(h)
POWER	DC 5V (AC Adapter: AC120V/60Hz)	TEST METHOD FCC Part 2 Section 2.1049
MODE	HSUPA Subtest 5 Mode	TEST DISTANCE 3m
	Tx 1712.4MHz	DATE 12/25/2008
	Tx 1752.6MHz	TEMPERATURE 21 deg.C.
EUT-POSITION	H: Z-axis / V: Z-axis	HUMIDITY 32 %
TX ANTENNA	0.8m Height	ENGINEER Hironobu Ohnishi

Ch.	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		
L	1710.00	70.6	67.7	-30.9	-34.8	3.6	8.7	0.0	-25.8	-29.6	-13.0	12.8	16.6	Operating	NoI
H	1755.00	70.9	69.5	-30.7	-33.0	3.7	9.0	0.0	-25.4	-27.7	-13.0	12.4	14.7	Operating	NoI

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-20GHz)

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

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

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

Detector : RBW 47kHz, VBW 150kHz, Peak detect

Spurious Emission (Conducted)

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room and No.11 Measurement Room

COMPANY	SHARP CORPORATION	REPORT NO	29CE0264-HO-01
EQUIPMENT	W-CDMA / GSM Mobile Phone	REGULATION	FCC Part27 Section 27.53(h)
MODEL	PV300	TEST METHOD	FCC Part2 Section 2.1051
S/N	P3-040	TEST DISTANCE	-
POWER	DC 5V (AC Adapter: AC120V/60Hz)	DATE	12/18/2008 12/26/2008
MODE	Tx 1712.4MHz	TEMPERATURE	25 deg.C. 22 deg.C.
	Tx 1732.6MHz	HUMIDITY	43% 40%
	Tx 1752.6MHz	ENGINEER	Takahiro Hatakeda Takahiro Hatakeda

Limit Line

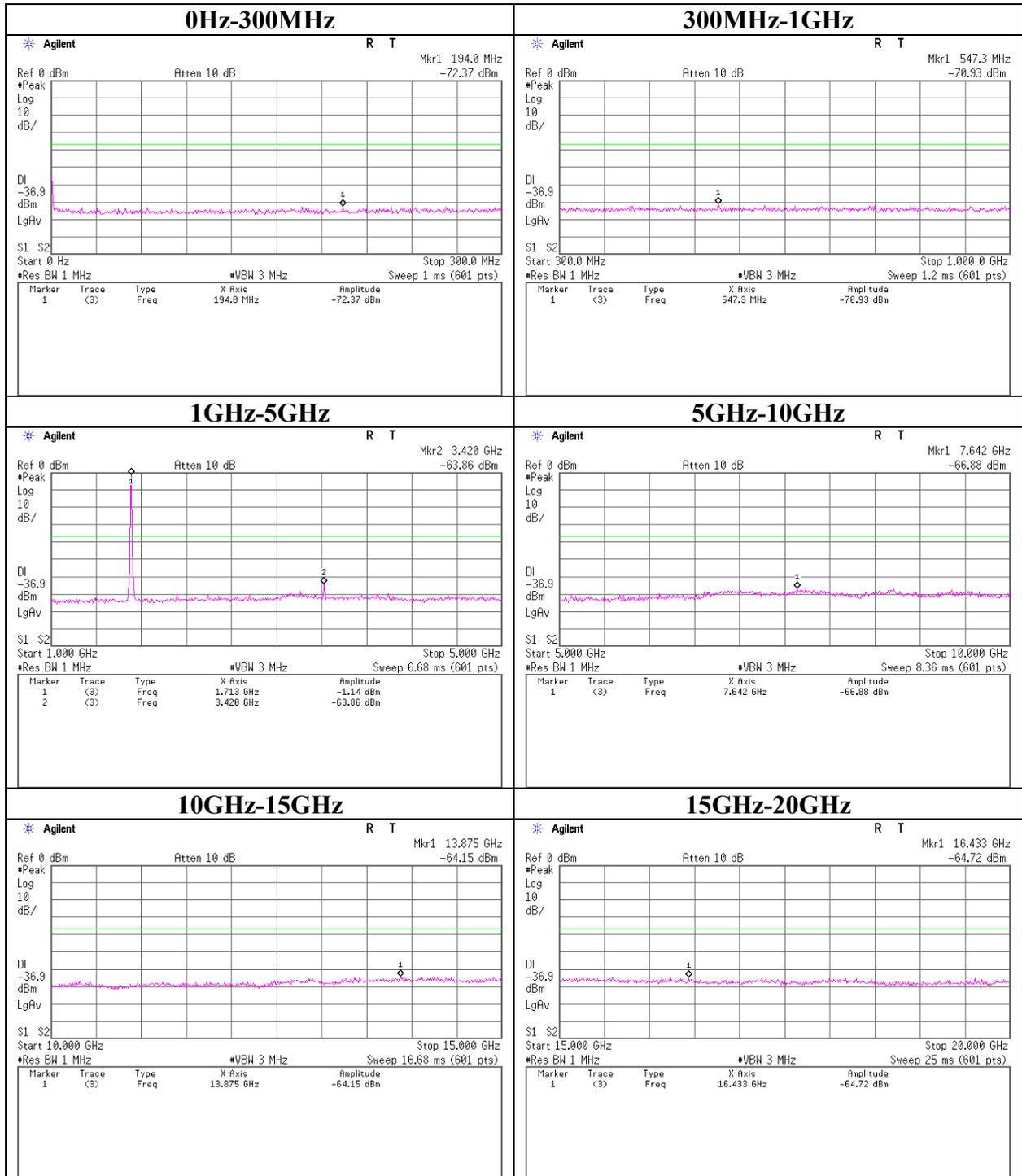
RMC12.2kbps / HSUPA Subtest 5 Mode

Tx Frequency [MHz]	Limit [dBm]	Atten. [dB]	Cable Loss [dB]	Limit Line [dBm]
1712.4	-13.0	20.0	3.9	-36.9
1732.6	-13.0	20.0	3.9	-36.9
1752.6	-13.0	20.0	3.9	-36.9

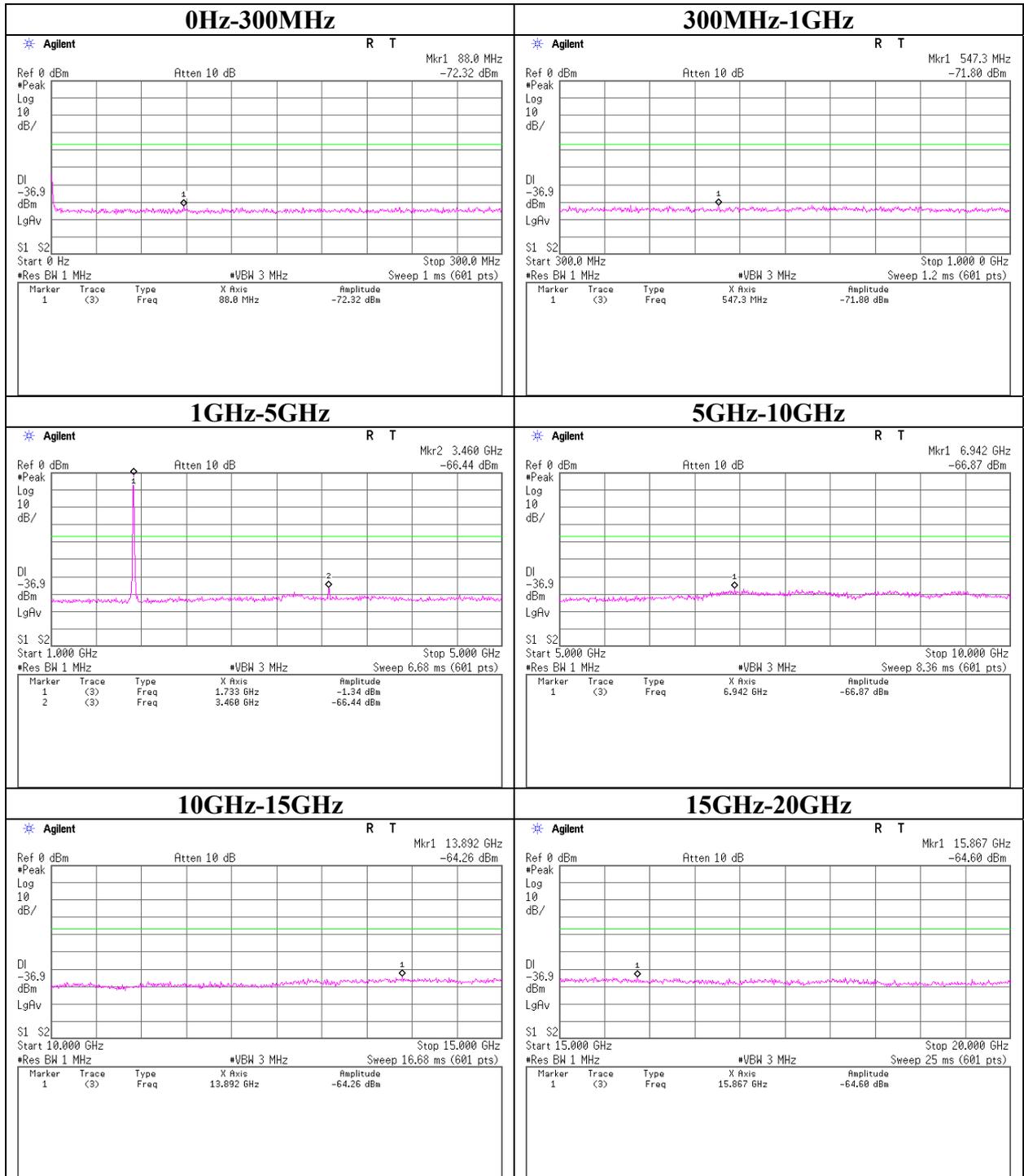
Sample Calculation : Limit Line = Limit - Atten. - Cable Loss

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

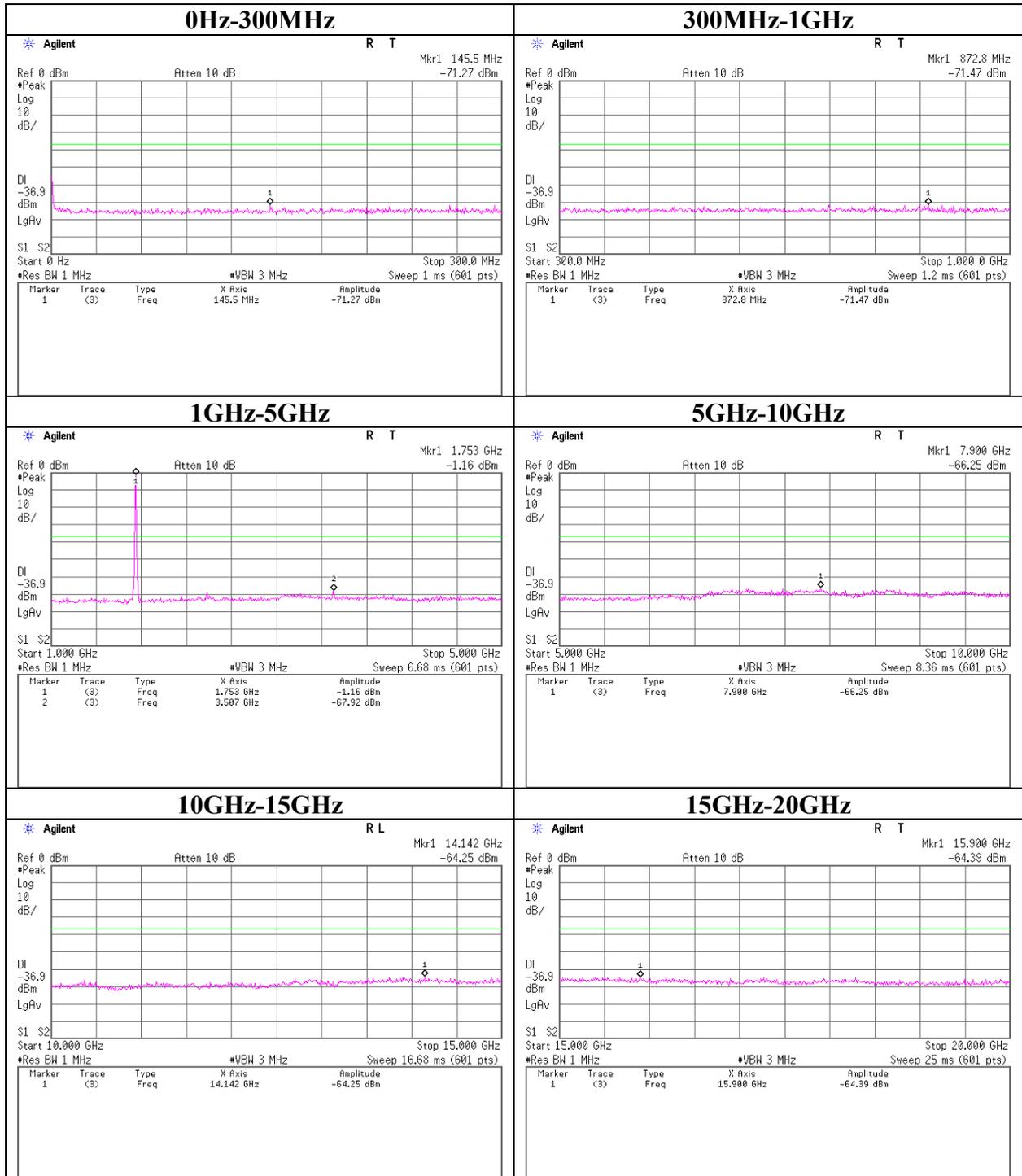
Spurious Emission (Conducted)
RMC12.2kbps Mode / Tx:1712.4MHz



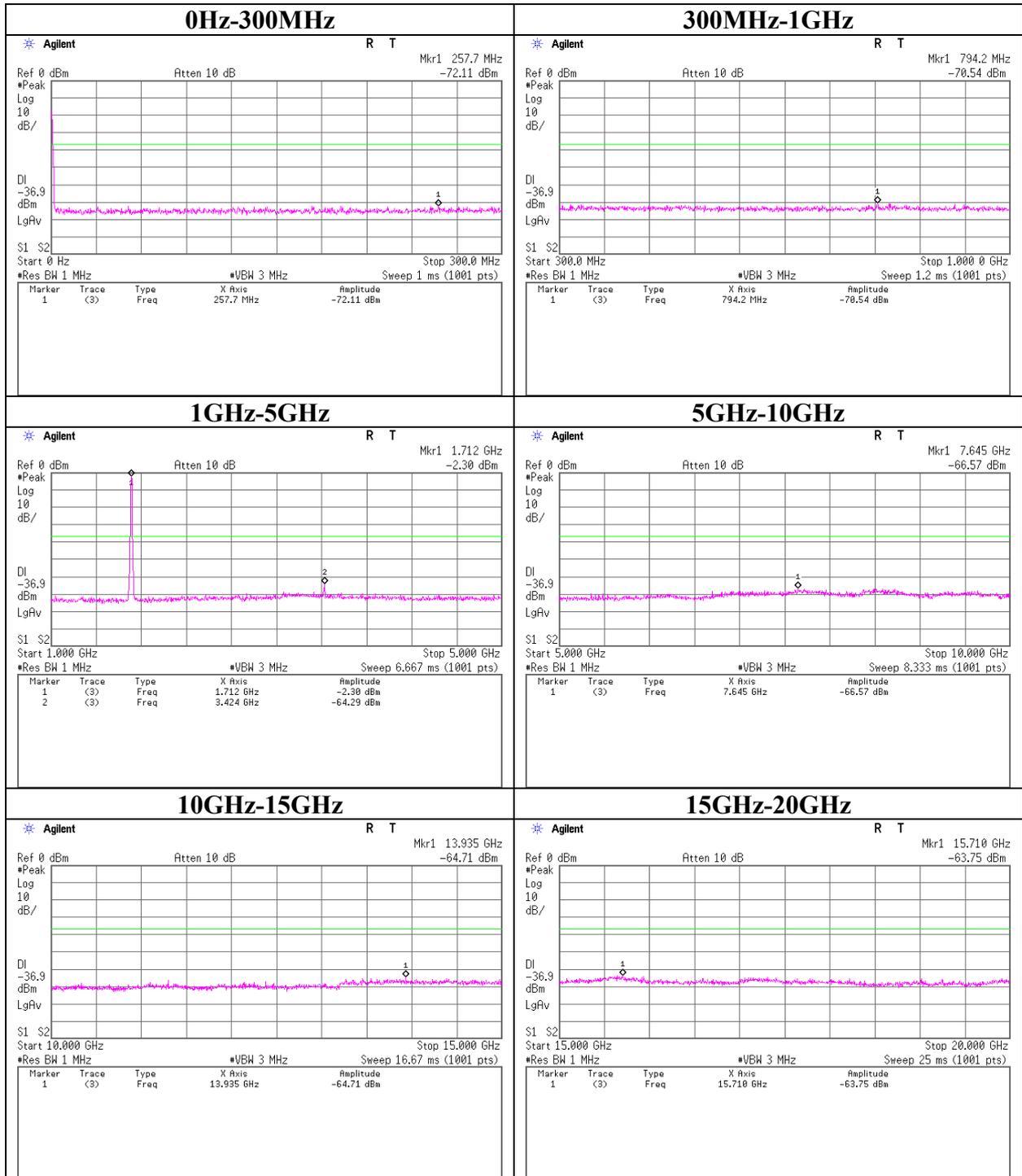
Spurious Emission (Conducted)
RMC12.2kbps Mode / Tx:1732.6MHz



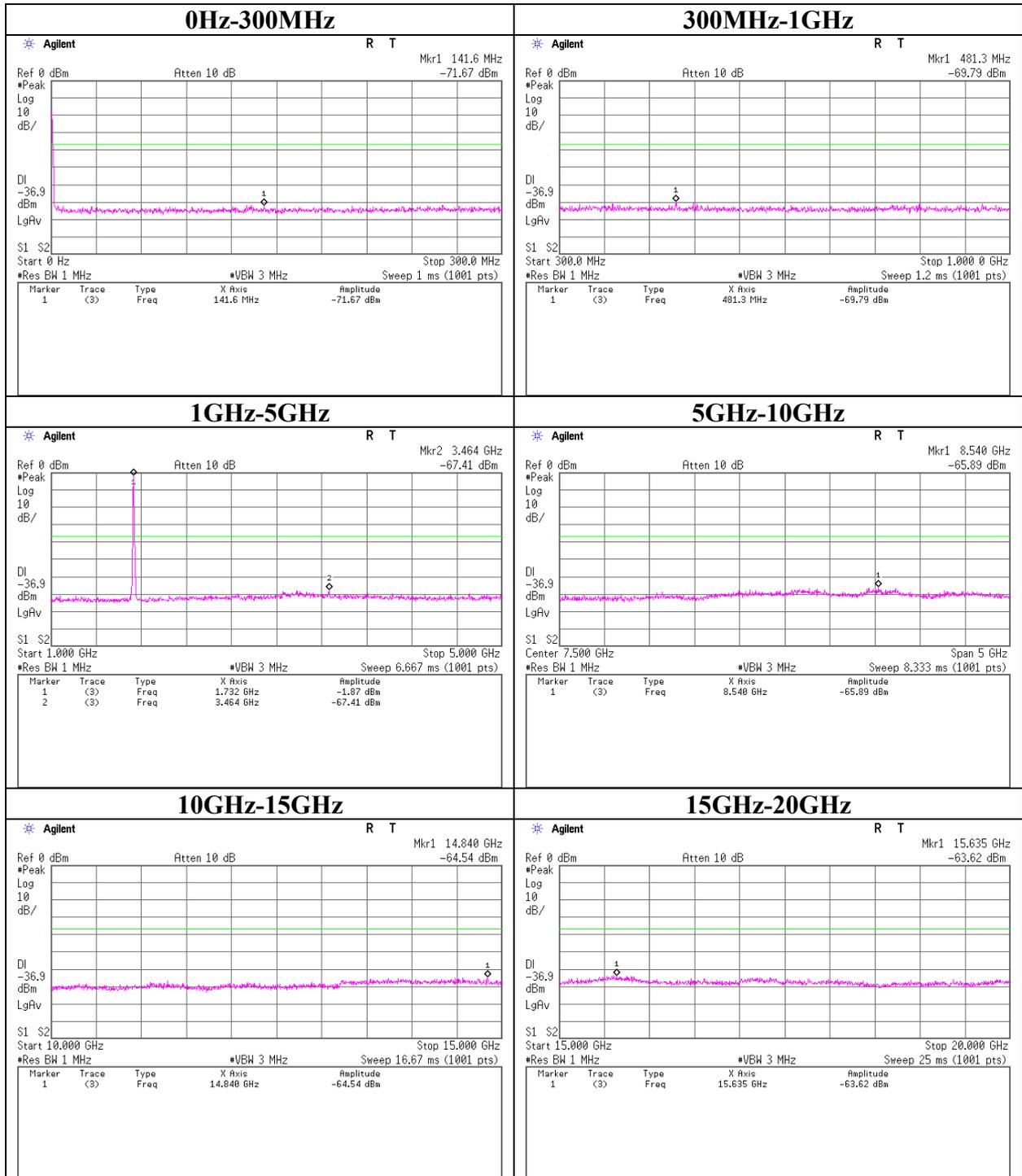
Spurious Emission (Conducted)
RMC12.2kbps Mode / Tx:1752.6MHz



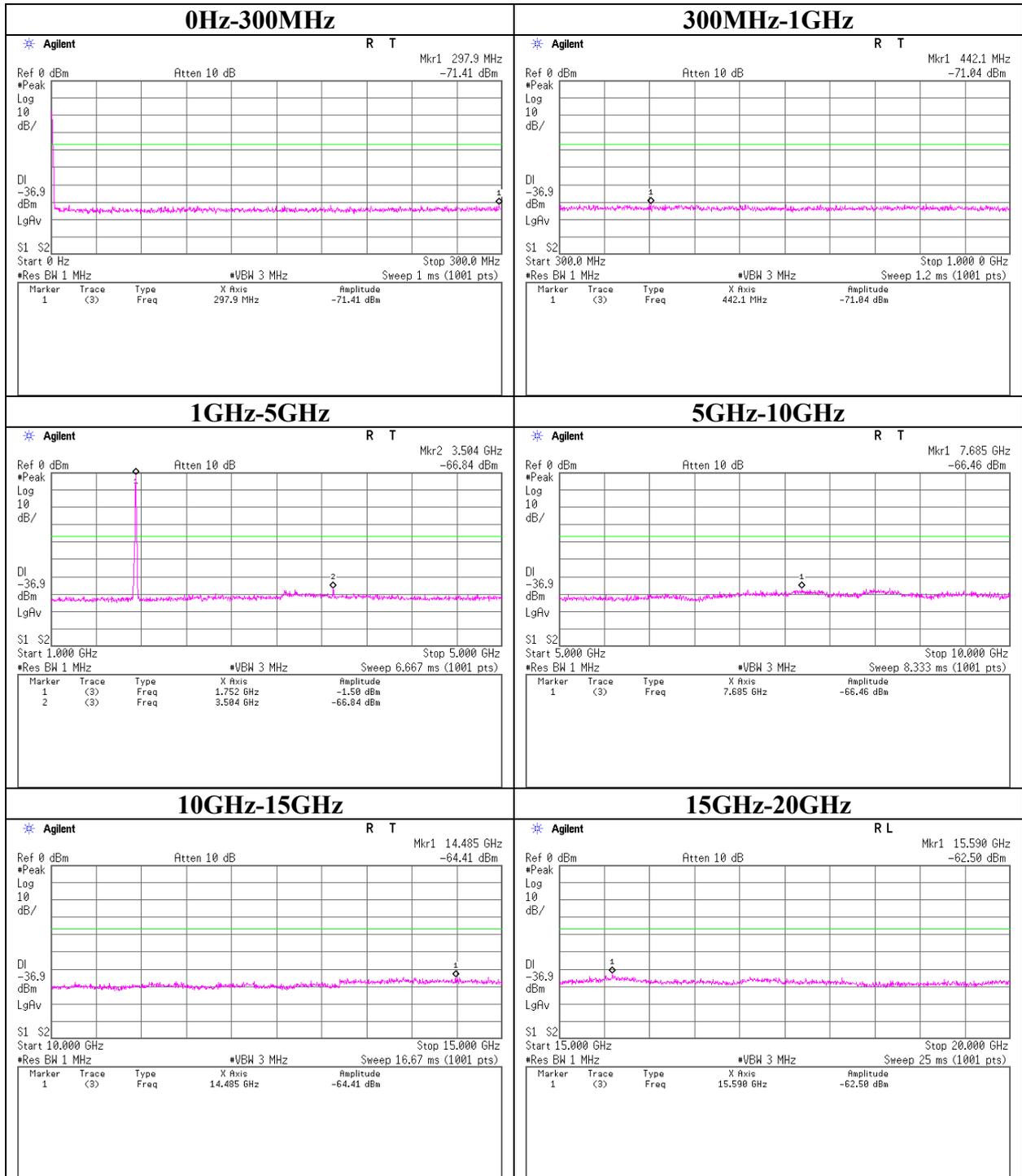
Spurious Emission (Conducted)
HSUPA Subtest 5 Mode / Tx:1712.4MHz



Spurious Emission (Conducted)
HSUPA Subtest 5 Mode / Tx:1732.6MHz



Spurious Emission (Conducted)
HSUPA Subtest 5 Mode / Tx:1752.6MHz



Spurious Emission (Radiated)
RMC12.2kbps Mode

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

COMPANY	SHARP CORPORATION	REGULATION	FCC Part 27.53(h)
EQUIPMENT	W-CDMA / GSM Mobile Phone	TEST METHOD	FCC Part 2 Section 2.1053
MODEL NO.	PV300	TEST DISTANCE	3m / 1m
SERIAL NO.	P3-156	DATE	12/10/2008 12/10/2008
POWER	DC 5V (AC Adapter: AC120V/60Hz)	TEMPERATURE	20 deg.C. 23 deg.C.
MODE	RMC12.2kbps Mode	HUMIDITY	36 % 40 %
	Tx 1712.4MHz	ENGINEER	Hisayoshi Sato Katsunori Okai
EUT-POSITION	H: Z-axis / V: Z-axis		(Above 1GHz) (Below 1GHz)
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	102.12	30.9	38.8	-56.6	-48.4	0.6	-1.4	9.8	-68.3	-60.1	-13.0	55.3	47.1	Operating	No2
2	209.12	44.5	36.5	-47.5	-50.7	0.8	2.2	10.1	-56.2	-59.5	-13.0	43.2	46.5	Operating	No2
3	3424.80	58.2	60.2	-44.2	-42.2	5.2	12.1	0.0	-37.3	-35.3	-13.0	24.3	22.3	Operating	No2
4	5137.20	41.9	42.3	-59.5	-60.6	6.4	12.9	0.0	-52.9	-54.0	-13.0	39.9	41.0	Operating	No2
5	6849.60	49.0	48.4	-51.5	-52.8	7.6	11.9	0.0	-47.2	-48.5	-13.0	34.2	35.5	Operating	No2
6	8562.00	50.3	50.7	-49.0	-50.5	8.4	11.5	0.0	-45.8	-47.3	-13.0	32.8	34.3	Operating	No2
7	10274.40	53.5	53.4	-54.0	-54.7	9.3	11.3	0.0	-52.0	-52.7	-13.0	39.0	39.7	Operating	No2
8	11986.80	55.1	53.8	-50.1	-52.5	9.8	12.6	0.0	-47.3	-49.7	-13.0	34.3	36.7	Operating	No2
9	13699.20	59.9	59.1	-45.6	-47.1	10.6	12.0	0.0	-44.3	-45.8	-13.0	31.3	32.8	Operating	No2
10	15411.60	57.9	57.7	-44.1	-40.3	11.3	15.1	0.0	-40.2	-36.5	-13.0	27.2	23.5	Operating	No2
11	17124.00	61.8	60.9	-38.1	-32.8	12.4	13.7	0.0	-36.8	-31.4	-13.0	23.8	18.4	Operating	No2

NS : Non Signal

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-20GHz)

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

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

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

Detector : RBW 1MHz, VBW 3MHz, Peak

Spurious Emission (Radiated)
RMC12.2kbps Mode

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

COMPANY	SHARP CORPORATION	REGULATION	FCC Part 27.53(h)
EQUIPMENT	W-CDMA / GSM Mobile Phone	TEST METHOD	FCC Part 2 Section 2.1053
MODEL NO.	PV300	TEST DISTANCE	3m / 1m
SERIAL NO.	P3-156	DATE	12/10/2008 12/10/2008
POWER	DC 5V (AC Adapter: AC120V/60Hz)	TEMPERATURE	20 deg.C. 23 deg.C.
MODE	RMC12.2kbps Mode	HUMIDITY	36 % 40 %
	Tx 1732.6MHz	ENGINEER	Hisayoshi Sato Katsunori Okai
EUT-POSITION	H: Z-axis / V: Z-axis		(Above 1GHz) (Below 1GHz)
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	AC
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
1	110.56	35.8	45.1	-53.0	-44.6	0.5	0.7	9.9	-62.6	-54.3	-13.0	49.6	41.3	Operating	No2
2	153.76	43.9	41.1	-46.4	-44.3	0.6	2.2	9.7	-54.5	-52.4	-13.0	41.5	39.4	Operating	No2
3	3465.20	60.7	59.4	-41.8	-43.0	5.2	12.1	0.0	-34.8	-36.1	-13.0	21.8	23.1	Operating	No2
4	5197.80	42.1	42.5	-59.3	-60.3	6.4	13.0	0.0	-52.7	-53.7	-13.0	39.7	40.7	Operating	No2
5	6930.40	49.1	48.5	-51.4	-52.7	7.6	11.7	0.0	-47.3	-48.6	-13.0	34.3	35.6	Operating	No2
6	8663.00	50.5	50.9	-48.7	-50.3	8.4	11.5	0.0	-45.6	-47.2	-13.0	32.6	34.2	Operating	No2
7	10395.60	53.7	52.2	-54.1	-55.9	9.3	11.2	0.0	-52.1	-53.9	-13.0	39.1	40.9	Operating	No2
8	12128.20	55.0	54.1	-49.9	-52.1	9.8	12.7	0.0	-46.9	-49.2	-13.0	33.9	36.2	Operating	No2
9	13860.80	60.8	59.6	-45.4	-46.7	10.7	11.6	0.0	-44.5	-45.8	-13.0	31.5	32.8	Operating	No2
10	15593.40	57.5	57.2	-42.8	-39.1	11.4	15.7	0.0	-38.5	-34.8	-13.0	25.5	21.8	Operating	No2
11	17326.00	64.1	62.6	-38.8	-33.0	12.4	12.2	0.0	-38.9	-33.1	-13.0	25.9	20.1	Operating	No2
NS : Non Signal															
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-20GHz)															
Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-20GHz)															
All other emissions were at least 20dB below the specification limit.															
*The test result is round off to one or two decimal places, so some differences might be observed.															
Detector : RBW 1MHz, VBW 3MHz, Peak															

Spurious Emission (Radiated)
RMC12.2kbps Mode

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

COMPANY	SHARP CORPORATION	REGULATION	FCC Part 27.53(h)
EQUIPMENT	W-CDMA / GSM Mobile Phone	TEST METHOD	FCC Part 2 Section 2.1053
MODEL NO.	PV300	TEST DISTANCE	3m / 1m
SERIAL NO.	P3-156	DATE	12/10/2008 12/10/2008
POWER	DC 5V (AC Adapter: AC120V/60Hz)	TEMPERATURE	20 deg.C. 23 deg.C.
MODE	RMC12.2kbps Mode	HUMIDITY	36 % 40 %
	Tx 1752.6MHz	ENGINEER	Hisayoshi Sato Katsunori Okai
EUT-POSITION	H: Z-axis / V: Z-axis		(Above 1GHz) (Below 1GHz)
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	102.92	31.7	44.2	-55.9	-43.2	0.6	-1.2	9.8	-67.4	-54.8	-13.0	54.4	41.8	Operating	No2
2	190.22	46.4	43.4	-45.6	-44.6	0.7	2.2	10.1	-54.2	-53.2	-13.0	41.2	40.2	Operating	No2
3	3505.20	60.4	59.9	-42.1	-42.5	5.2	12.2	0.0	-35.1	-35.5	-13.0	22.1	22.5	Operating	No2
4	5257.80	42.1	44.8	-59.2	-57.9	6.5	13.0	0.0	-52.7	-51.3	-13.0	39.7	38.3	Operating	No2
5	7010.40	51.1	52.4	-49.3	-48.8	7.7	11.6	0.0	-45.4	-44.9	-13.0	32.4	31.9	Operating	No2
6	8763.00	54.2	54.2	-44.9	-47.0	8.5	11.5	0.0	-41.9	-44.0	-13.0	28.9	31.0	Operating	No2
7	10515.60	52.8	53.6	-55.2	-54.4	9.3	11.2	0.0	-53.3	-52.5	-13.0	40.3	39.5	Operating	No2
8	12268.20	54.9	54.3	-49.6	-51.9	9.9	12.9	0.0	-46.6	-48.9	-13.0	33.6	35.9	Operating	No2
9	14020.80	60.2	60.1	-46.6	-46.2	10.8	11.4	0.0	-46.0	-45.7	-13.0	33.0	32.7	Operating	No2
10	15773.40	56.4	56.7	-42.3	-37.9	11.6	16.4	0.0	-37.5	-33.1	-13.0	24.5	20.1	Operating	No2
11	17526.00	65.4	64.9	-40.4	-32.5	12.4	10.8	0.0	-42.0	-34.2	-13.0	29.0	21.2	Operating	No2
NS : Non Signal															
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-20GHz)															
Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-20GHz)															
All other emissions were at least 20dB below the specification limit.															
*The test result is round off to one or two decimal places, so some differences might be observed.															
Detector : RBW 1MHz, VBW 3MHz, Peak															

Spurious Emission (Radiated)
HSUPA Subtest 5 Mode

UL Japan, Inc.
Head Office EMC Lab. No.1 and No.2 Semi Anechoic Chamber

COMPANY	SHARP CORPORATION	REGULATION	FCC Part 27.53(h)
EQUIPMENT	W-CDMA / GSM Mobile Phone	TEST METHOD	FCC Part 2 Section 2.1053
MODEL NO.	PV300	TEST DISTANCE	3m / 1m
SERIAL NO.	P3-156	DATE	12/25/2008 12/26/2008
POWER	DC 5V (AC Adapter: AC120V/60Hz)	TEMPERATURE	21 deg.C. 23 deg.C.
MODE	HSUPA Subtest 5 Mode	HUMIDITY	32 % 32 %
	Tx 1712.4MHz	ENGINEER	Hironobu Ohnishi Takayuki Shimada
EUT-POSITION	H: Z-axis / V: Z-axis		(Above 1GHz) (Below 1GHz)
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	AC
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	124.90	43.6	47.0				-45.4	-42.4		0.6	2.2		
2	195.89	47.1	44.0	-45.1	-43.9	0.8	2.2	10.1	-53.8	-52.7	-13.0	40.8	39.7	Operating	No2
3	3424.80	50.8	53.4	-50.8	-48.8	5.2	12.0	0.0	-44.0	-42.0	-13.0	31.0	29.0	Operating	No1
4	5137.20	45.7	46.2	-54.9	-56.7	6.4	12.7	0.0	-48.6	-50.4	-13.0	35.6	37.4	Operating	No1
5	6849.60	50.6	49.9	-49.1	-50.3	7.6	11.6	0.0	-45.1	-46.3	-13.0	32.1	33.3	Operating	No1
6	8562.00	54.0	51.6	-44.6	-48.8	8.4	11.3	0.0	-41.7	-45.9	-13.0	28.7	32.9	Operating	No1
7	10274.40	60.1	63.0	-46.4	-44.6	9.3	10.6	0.0	-45.1	-43.4	-13.0	32.1	30.4	Operating	No1
8	11986.80	60.9	57.0	-44.2	-49.1	9.8	12.5	0.0	-41.5	-46.4	-13.0	28.5	33.4	Operating	No1
9	13699.20	58.5	59.3	-47.1	-46.2	10.6	12.2	0.0	-45.5	-44.7	-13.0	32.5	31.7	Operating	No1
10	15411.60	56.9	57.4	-44.3	-41.4	11.3	15.5	0.0	-40.1	-37.2	-13.0	27.1	24.2	Operating	No1
11	17124.00	61.1	60.9	-41.5	-34.2	12.4	14.2	0.0	-39.7	-32.4	-13.0	26.7	19.4	Operating	No1

NS : Non Signal

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-20GHz)

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

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

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

Detector : RBW 1MHz, VBW 3MHz, Peak

Spurious Emission (Radiated)
HSUPA Subtest 5 Mode

UL Japan, Inc.
Head Office EMC Lab. No.1 and No.2 Semi Anechoic Chamber

COMPANY SHARP CORPORATION
EQUIPMENT W-CDMA / GSM Mobile Phone
MODEL NO. PV300
SERIAL NO. P3-156
POWER DC 5V (AC Adapter: AC120V/60Hz)
MODE HSUPA Subtest 5 Mode,
Tx 1732.6MHz
EUT-POSITION H: Z-axis / V: Z-axis
TX ANTENNA 0.8m Height

REGULATION FCC Part 27.53(h)
TEST METHOD FCC Part 2 Section 2.1053
TEST DISTANCE 3m / 1m
DATE 12/25/2008 12/26/2008
TEMPERATURE 21 deg.C. 23 deg.C.
HUMIDITY 32 % 32 %
ENGINEER Hironobu Ohnishi Takayuki Shimada
(Above 1GHz) (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. Loss [dB]	RESULT (EIRP) [dBm]		LIMIT [dBm] (EIRP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	125.27	43.2	47.5				-45.8	-41.9		0.6	2.2		
2	196.20	47.6	44.4	-44.6	-43.5	0.8	2.2	10.1	-53.3	-52.3	-13.0	40.3	39.3	Operating	No2
3	3465.20	51.3	53.8	-50.3	-48.4	5.2	12.0	0.0	-43.5	-41.5	-13.0	30.5	28.5	Operating	No1
4	5197.80	46.3	45.4	-54.4	-57.5	6.4	12.7	0.0	-48.1	-51.2	-13.0	35.1	38.2	Operating	No1
5	6930.40	52.3	49.7	-47.3	-50.4	7.6	11.4	0.0	-43.5	-46.6	-13.0	30.5	33.6	Operating	No1
6	8663.00	54.1	53.5	-44.4	-46.9	8.4	11.3	0.0	-41.6	-44.0	-13.0	28.6	31.0	Operating	No1
7	10395.60	58.7	61.6	-47.9	-45.8	9.3	10.6	0.0	-46.7	-44.6	-13.0	33.7	31.6	Operating	No1
8	12128.20	54.3	54.4	-50.6	-51.6	9.8	12.7	0.0	-47.7	-48.7	-13.0	34.7	35.7	Operating	No1
9	13860.80	60.1	59.5	-46.0	-46.1	10.7	11.9	0.0	-44.9	-45.0	-13.0	31.9	32.0	Operating	No1
10	15593.40	56.6	56.9	-43.3	-41.4	11.4	16.1	0.0	-38.6	-36.8	-13.0	25.6	23.8	Operating	No1
11	17326.00	63.3	63.4	-41.6	-33.7	12.4	12.5	0.0	-41.5	-33.6	-13.0	28.5	20.6	Operating	No1

NS : Non Signal

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-20GHz)

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

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

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

Detector : RBW 1MHz, VBW 3MHz, Peak

Spurious Emission (Radiated)
HSUPA Subtest 5 Mode

UL Japan, Inc.
Head Office EMC Lab. No.1 and No.2 Semi Anechoic Chamber

COMPANY SHARP CORPORATION
EQUIPMENT W-CDMA / GSM Mobile Phone
MODEL NO. PV300
SERIAL NO. P3-156
POWER DC 5V (AC Adapter: AC120V/60Hz)
MODE HSUPA Subtest 5 Mode,
Tx 1752.6MHz
EUT-POSITION H: Z-axis / V: Z-axis
TX ANTENNA 0.8m Height

REGULATION FCC Part 27.53(h)
TEST METHOD FCC Part 2 Section 2.1053
TEST DISTANCE 3m / 1m
DATE 12/25/2008 12/26/2008
TEMPERATURE 21 deg.C. 23 deg.C.
HUMIDITY 32 % 32 %
ENGINEER Hironobu Ohnishi Takayuki Shimada
(Above 1GHz) (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					
1	125.47	43.5	47.1	-45.5	-42.2	0.6	2.2	10.1	-54.1	-50.8	-13.0	41.1	37.8	Operating	No2
2	195.95	47.3	44.5	-44.9	-43.4	0.8	2.2	10.1	-53.6	-52.2	-13.0	40.6	39.2	Operating	No2
3	3505.20	50.9	51.9	-50.8	-50.2	5.2	12.1	0.0	-43.9	-43.4	-13.0	30.9	30.4	Operating	No1
4	5257.80	45.7	45.7	-55.1	-57.2	6.5	12.8	0.0	-48.8	-50.9	-13.0	35.8	37.9	Operating	No1
5	7010.40	53.2	49.8	-46.4	-50.3	7.7	11.3	0.0	-42.8	-46.7	-13.0	29.8	33.7	Operating	No1
6	8763.00	54.9	53.8	-43.6	-46.6	8.5	11.2	0.0	-40.8	-43.8	-13.0	27.8	30.8	Operating	No1
7	10515.60	60.2	64.0	-46.5	-43.2	9.3	10.6	0.0	-45.3	-42.0	-13.0	32.3	29.0	Operating	No1
8	12268.20	55.0	54.5	-49.6	-51.4	9.9	12.8	0.0	-46.7	-48.4	-13.0	33.7	35.4	Operating	No1
9	14020.80	60.3	60.9	-46.3	-44.7	10.8	11.7	0.0	-45.4	-43.8	-13.0	32.4	30.8	Operating	No1
10	15773.40	56.1	55.9	-42.5	-41.9	11.6	16.7	0.0	-37.4	-36.8	-13.0	24.4	23.8	Operating	No1
11	17526.00	64.5	64.3	-42.7	-34.7	12.4	10.8	0.0	-44.3	-36.3	-13.0	31.3	23.3	Operating	No1

NS : Non Signal

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-20GHz)

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

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

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

Detector : RBW 1MHz, VBW 3MHz, Peak

Frequency Stability(Temperature/Voltage Variation)
RMC12.2kbps Mode

UL Japan, Inc.
Head Office EMC Lab. No.11 measurement room

COMPANY SHARP CORPORATION
EQUIPMENT W-CDMA / GSM Mobile Phone
MODEL PV300
S/N P3-143
POWER DC 5V (AC Adapter: AC120V/60Hz)
MODE RMC12.2kbps Mode
Tx 1732.6MHz

REPORT NO 29CE0264-HO-01
REGULATION FCC Part27 Section 27.54
TEST METHOD FCC Part2 Section 2.1055(a)(1) and(b)
FCC Part2 Section 2.1055(d)(1) and(2)
TEST DISTANCE -
DATE 12/24/2008
TEMPERATURE 20 deg.C.
HUMIDITY 40%
ENGINEER Takahiro Hatakeda

<RMC12.2kbps Mode>

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	1732.599998	1	0.001	-
-20.0	3.9	1732.599998	1	0.001	-
-10.0	3.9	1732.600003	4	0.002	-
0.0	3.9	1732.599999	0	0.000	-
10.0	3.9	1732.600004	5	0.003	-
20.0	3.9	1732.599999	0	0.000	Reference
30.0	3.9	1732.599994	5	0.003	-
40.0	3.9	1732.600003	4	0.002	-
50.0	3.9	1732.599999	0	0.000	-

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.700	1732.599996	3	0.002	-
20.0	3.900	1732.599999	0	0.000	Reference
20.0	4.200	1732.599998	1	0.001	-

Frequency Stability(Temperature/Voltage Variation)
HSUPA Subtest 5 Mode

UL Japan, Inc.
 Head Office EMC Lab. No.11 measurement room

COMPANY SHARP CORPORATION
 EQUIPMENT W-CDMA / GSM Mobile Phone
 MODEL PV300
 S/N P3-040
 POWER DC 5V (AC Adapter: AC120V/60Hz)
 MODE HSUPA Subtest 5 Mode
 Tx 1732.6MHz

REPORT NO 29CE0264-HO-01
 REGULATION FCC Part27 Section 27.54
 TEST METHOD FCC Part2 Section 2.1055(a)(1) and(b)
 FCC Part2 Section 2.1055(d)(1) and(2)
 TEST DISTANCE -
 DATE 12/24/2008
 TEMPERATURE 20 deg.C.
 HUMIDITY 40%
 ENGINEER Takahiro Hatakeda

<HSUPA Subtest 5 Mode >

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
-30.0	3.9	1732.623100	252	0.145	-
-20.0	3.9	1732.622911	441	0.255	-
-10.0	3.9	1732.622784	568	0.328	-
0.0	3.9	1732.622730	622	0.359	-
10.0	3.9	1732.622831	521	0.301	-
20.0	3.9	1732.623352	0	0.000	Reference
30.0	3.9	1732.623679	327	0.189	-
40.0	3.9	1732.623509	157	0.091	-
50.0	3.9	1732.623221	131	0.076	-

Temp. [deg.C]	Volt. [V]	Frequency Reading [MHz]	Frequency Error [Hz]	Frequency Error [ppm]	Limit [ppm]
20.0	3.700	1732.623376	24	0.014	-
20.0	3.900	1732.623352	0	0.000	Reference
20.0	4.200	1732.623231	121	0.070	-

APPENDIX 3: Test instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MOS-14	Thermo-Hygrometer	Custom	CTH-180	-	AT	2009/01/13 * 12
MCC-91	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	30812/2	AT	2008/05/16 * 12
MCC-100	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	30821/2	AT	2008/05/19 * 12
MAT-25	Attenuator(10dB)(above1GHz)	Agilent	8493C	71642	AT	2008/06/25 * 12
MPSC-01	Power splitters/Combiners	Mini-Circuit	ZFSC-2-2500	0124	AT	2008/09/22 * 12
MPM-12	Power Meter	Anritsu	ML2495A	0825002	AT	2008/08/13 * 12
MPSE-17	Power sensor	Anritsu	MA2411B	0738285	AT	2008/08/13 * 12
MAEC-02	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	AT/RE	2008/04/17 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	0003	RE	2008/12/08 * 12
MJM-05	Measure	PROMART	SEN1955	-	RE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE	-
MSA-03	Spectrum Analyzer	Agilent	E4448A	MY44020357	RE	2008/11/07 * 12
MHA-06	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	254	RE	2008/01/19 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	295123(5m) / 287573(1m)	RE	2008/11/27 * 12
MPA-10	Pre Amplifier	Agilent	8449B	3008A02142	RE	2008/09/17 * 12
MHF-18	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	7002	RE	2008/12/16 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278942/4	RE	2008/12/17 * 12
MBF-09	Band Pass Filter	M-City	BPF4250-01	UL0004	RE	2008/05/21 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	-	RE	2008/03/05 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	100300	RE	2008/04/02 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032008	RE	2008/10/18 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	201	RE	2008/10/18 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	-	RE	2008/02/15 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2008/11/14 * 12
MPA-09	Pre Amplifier	Agilent	8447D	2944A10845	RE	2008/09/04 * 12
MAT-21	Attenuator(20dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-120	901247	RE	2008/01/09 * 12
MRENT-62	Spectrum Analyzer	Agilent	E4448A	MY46180856	RE/AT	2008/11/25 * 12
MOS-19	Thermo-Hygrometer	Custom	CTH-201	0001	AT	2008/12/08 * 12
MCH-05	Temperature and Humidity Chamber	Espec	PL-1KP	14019569	AT	2008/05/30 * 12
MAEC-01	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 10m	DA-06881	RE	2008/10/29 * 12
MHA-05	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	253	RE	2008/01/19 * 12
MCC-18	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	233010(1m) / 292410(5m)	RE	2008/09/09 * 12
MPA-01	Pre Amplifier	Agilent	8449B	3008A01671	RE	2008/02/12 * 12
MOS-01	Digital Humidity Indicator	N.T	NT-1800	MOS01	RE	2008/11/27 * 12
MJM-01	Measure	KDS	ES19-55	-	RE	-
MCC-76	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278967/4	RE	2008/12/17 * 12
MHF-17	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	7001	RE	2008/12/15 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	AT	2008/08/18 * 12
MURC-02	Wireless Communication Test Set	Agilent	E5515C	GB47050683	RE/AT	Pre Check

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EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MJM-05	Measure	PROMART	SEN1955	-	RE	-
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032008	RE	2008/10/18 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	201	RE	2008/10/18 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	-	RE	2008/02/15 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2008/11/14 * 12
MPA-09	Pre Amplifier	Agilent	8447D	2944A10845	RE	2008/09/04 * 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

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