



RADIO TEST REPORT

Test Report No. : 27LE0004-HO

Applicant : Sharp Corporation, Communication Systems Group.
Type of Equipment : WCDMA & Tri-band GSM Dual mode Mobile phone /
Bluetooth Enable
Model No. : 880SH
FCC ID : APYHRO00060
Test standard : FCC Part 15 Subpart C 2007
Section 15.207, Section 15.247
Test Result : Complied

1. This test report shall not be reproduced in full or partial, without the written approval of UL Japan, Inc.
2. The results in this report apply only to the sample tested.
3. This sample tested is in compliance with the above regulation.
4. The test results in this report are traceable to the national or international standards.

Date of test:

July 3 to 9, 2007

Tested by:

Norihisa Hashimoto
EMC Services

Approved by :

Hironobu Shimoji
Assistant Manager of
EMC Services



NVLAP LAB CODE: 200572-0

This laboratory is accredited by the NVLAP LAB CODE 200572-0, U.S.A. The tests reported herein have been performed in accordance with its terms of accreditation.
*As for the range of Accreditation in NVLAP, you may refer to the WEB address, <http://uljapan.co.jp/emc/nvlap.htm>

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MF060b (18.06.07)

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SECTION 1: Client information

Company Name : Sharp Corporation, Communication Systems Group.
Address : 2-13-1 Iida Hachihonmatsu Higashihiroshima-City, Hiroshima Japan
Telephone Number : +81-082-420-1837
Facsimile Number : +81-082-420-1654
Contact Person : Tetsuya Maekawa

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
Model No. : 880SH
Serial No. : 004401/11/069443/3 (Conducted Emission / Radiated Emission tests)
004401/11/069449/0 (Antenna Terminal Conducted test)
Rating : 120V
Country of Manufacture : JAPAN
Receipt Date of Sample : July 2, 2007
Condition of EUT : Production prototype
(Not for Sale: This sample is equivalent to mass-produced items.)
Modification of EUT : No modification by the test lab.

2.2 Product Description

Model No: 880SH (referred to as the EUT in this report) is the WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable.

Bluetooth specification

Clock frequency(ies) in the system : 26MHz
Equipment Type : Transceiver
Frequency of Operation : 2402-2480MHz
Bandwidth & Channel spacing : 1MHz & 1MHz / CH
Modulation : FHSS, GFSK
Power Supply (inner) : DC 2.8V
Antenna Type : Internal antenna
Antenna Connector Type : Spring connector
Antenna Gain : 2.2dBi(max)

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SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification : FCC Part15 Subpart C: 2007
Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators
Section 15.207 Conducted limits
Section 15.247 Operation within the bands 902-928MHz,
2400-2483.5MHz, and 5725-5850MHz

FCC 15.31 (e)

This EUT provides stable voltage(DC2.8V) constantly to RF Module regardless of input voltage. Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT. Therefore, the equipment complies with the antenna requirement of Section 15.203.

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3.2 Procedures and results

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst Margin	Results			
1	Conducted emission	FCC: ANSI C63.4:2003 7. AC powerline conducted emission measurements	FCC: Section 15.207	-	N/A	13.6dB 0.3711MHz AV, Phase-L	Complied			
		IC: RSS-Gen 7.2.2	IC: RSS-Gen 7.2.2							
2	Carrier Frequency Separation	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(a)(1)	Conducted	N/A	See data.	Complied			
		IC: -	IC: RSS-210 A8.1 (b)							
3	20dB Bandwidth	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(a)(1)	Conducted	N/A		See data.	Complied		
		IC: -	IC: RSS-210 A8.1 (a)							
4	Number of Hopping Frequency	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(a)(1)(iii)	Conducted	N/A			See data.	Complied	
		IC: -	IC: RSS-210 A8.1 (d)							
5	Dwell time	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(a)(1)(iii)	Conducted	N/A				See data.	Complied
		IC: -	IC: RSS-210 A8.1 (d)							
6	Maximum Peak Output Power	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(b)(1)	Conducted	N/A	See data.				Complied
		IC: RSS-Gen 4.6	IC: RSS-210 A8.4 (2)							
7	Band Edge Compliance	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(d)	Conducted	N/A		See data.			Complied
		IC: -	IC: RSS-210 A8.5							
8	Spurious Emission	FCC: ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section15.247(d)	Conducted/ Radiated	N/A			See data.		Complied
		IC: RSS-Gen 4.7 RSS-Gen 4.8	IC: RSS-210 A8.5 RSS-Gen 7.2.1 and 7.2.3							

Note: UL Japan, Inc.'s EMI Work Procedures No.QPM05 and QPM15.

*These tests were also referred to FCC Public Notice DA 00-705 "Guidance on Measurement for Frequency Hopping Spread Spectrum Systems".

*These tests were performed without any deviations from test procedure except for additions or exclusions.

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3.3 Addition to standards

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	99% Occupied Band Width	RSS-Gen 4.6.1	-	Conducted	N/A	N/A	N/A

3.4 Uncertainty

The following uncertainties have been calculated to provide a confidence level of 95% using a coverage factor k=2.

Conducted Emission

The measurement uncertainty for this test is ± 2.66 dB.

The data listed in this test report has enough margin, more than the site margin.

Spurious Emission (Radiated)

The measurement uncertainty for this test using Biconical antenna is ± 4.59 dB(3m).

The measurement uncertainty for this test using Logperiodic antenna is ± 4.62 dB(3m).

The measurement uncertainty for this test using Horn antenna is ± 5.27 dB.

The data listed in this report meets the limits unless the uncertainty is taken into consideration.

Other test except Conducted Emission and Spurious Emission (Radiated)

The measurement uncertainty for this test is ± 3.0 dB.

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3.5 Test Location

UL Japan, Inc. Head Office EMC Lab. *NVLAP Lab. code: 200572-0

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	FCC Registration Number	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms
No.1 semi-anechoic chamber	313583	IC4247A	19.2 x 11.2 x 7.7m	7.0 x 6.0m	Preparation room
No.2 semi-anechoic chamber	655103	IC4247A-2	7.5 x 5.8 x 5.2m	4.0 x 4.0m	-
No.3 semi-anechoic chamber	148738	IC4247A-3	12.0 x 8.5 x 5.9m	6.8 x 5.75m	
No.3 shielded room	-	-	4.0 x 6.0 x 2.7m	N/A	-
No.4 semi-anechoic chamber	134570	IC4247A-4	12.0 x 8.5 x 5.9m	6.8 x 5.75m	-
No.4 shielded room	-	-	4.0 x 6.0 x 2.7m	N/A	-
No.5 semi-anechoic chamber	-	-	6.0 x 6.0 x 3.9m	6.0 x 6.0 m	-
No.6 shielded room	-	-	4.0 x 4.5 x 2.7m	4.75 x 5.4 m	-
No.6 measurement room	-	-	4.75 x 5.4 x 3.0m	4.75 x 4.15 m	-
No.7 shielded room	-	-	4.7 x 7.5 x 2.7m	4.7 x 7.5m	-
No.8 measurement room	-	-	3.1 x 5.0 x 2.7m	N/A	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0m for No.1, No.2, No.3, and No.4 semi-anechoic chambers and No.3 and No.4 shielded rooms.

3.6 Test set up, Test instruments and Data of EMI

Refer to APPENDIX 1 to 3.

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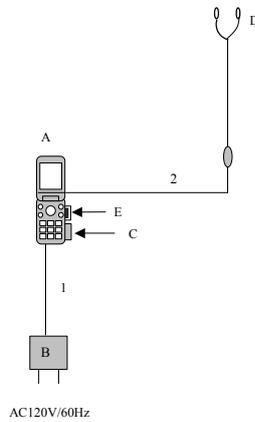
SECTION 4: Operation of E.U.T. during testing

4.1 Operating Modes

The mode used for test : Transmitting mode (Packet size DH5, Payload: PRBS9)
- Low Channel : 2402MHz
- Mid Channel : 2441MHz
- High Channel : 2480MHz
Inquiry mode

Remarks: Test was not performed at AFH mode, because the decrease of number of channel (min: 20ch) at AFH mode does not influence on the output power and bandwidth of the EUT. However, the limit level 125mWof AFH mode was used for the test.

4.2 Configuration and peripherals



Description of EUT

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable	880SH	004401/11/069443/3 *1) 004401/11/069449/0 *2)	Sharp Corporation	-
B	AC CHARGER	XN-1QC83	QDA	HOSIDEN	-
C	Rechargeable Lithium-Ion Battery	XN-1BT80	QEA	SANYO	-
D	Stereo Handsfree	RPHOHA018AF	4	HOSIDEN	-
E	micro SD Memory Card	SDSDQ-128	-	SanDisk	-

*1) Used for Conducted and Radiated emission test

*2) Used for Antenna terminal conducted test

List of cables used

No.	Name	Length (m)	Shield	
			Cable	Connector
1	Cable for AC CHARGER	1.8	Unshielded	Unshielded
2	Cable for Stereo Handsfree	1.7	Unshielded	Unshielded

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SECTION 5: Conducted Emission

Test Procedure and conditions

EUT was placed on a urethane platform of nominal size, 1m by 1m, raised 80cm above the conducting ground plane. The rear of tabletop was located 40cm to the vertical conducting plane. The rear of EUT, including peripherals aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80cm from a Line Impedance Stabilization Network (LISN)/ Artificial mains Network (AMN) and excess AC cable was bundled in center.

For the tests on EUT with other peripherals (as a whole system)

I/O cable and AC cables that were connected to the peripherals were bundled in center. They were folded back and forth forming a bundle 30cm to 40cm long and were hanged at a 40cm height to the ground plane. All unused 50ohm connectors of the LISN(AMN) were resistivity terminated in 50ohm when not connected to the measuring equipment.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT in a Semi Anechoic Chamber or a Measurement Room.

The EUT was connected to a LISN (AMN).

An overview sweep with peak detection has been performed.

Detector : quasi-peak and average detector (IF BW 9 kHz)
Measurement range : 0.15-30MHz
Test data : APPENDIX 2
Test result : Pass

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SECTION 6: Spurious Emission

[Conducted]

Test Procedure

The Out of Band Emission was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2

Test result : Pass

[Radiated]

Test Procedure

EUT was placed on a urethane platform of nominal size, 1m by 1m, raised 80cm above the conducting ground plane.

The Radiated Electric Field Strength intensity has been measured in a Semi Anechoic Chamber with a ground plane and at a distance of 3m(Below 10GHz) and 1m(Upper 10GHz).

The height of the measuring varied between 1 and 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.

The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

20dBc was applied to the frequency over the limit of FCC 15.209 / Table 2 of RSS-210 2.7 (IC) and outside the restricted band of FCC15.205 / Table 1 of RSS-210 2.7 (IC).

Frequency	Below 1GHz	Above 1GHz
Instrument used	Test Receiver / Spectrum Analyzer	Spectrum Analyzer
Detector	QP: BW 120kHz(T/R)	PK: RBW:1MHz/VBW: 1MHz
IF Bandwidth	20dBc : RBW: 100kHz VBW: 300kHz (S/A)	AV: RBW:1MHz/VBW:10Hz 20dBc : RBW:100kHz/VBW:300kHz

- The carrier level and noise levels were confirmed at each position of X, Y and Z axes of EUT to see the position of maximum noise, and the test was made at the position that has the maximum noise.

Test data : APPENDIX 2

Test result : Pass

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SECTION 7: Bandwidth

Test Procedure

The bandwidth was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2
Test result : Pass

SECTION 8: Maximum Peak Output Power

Test Procedure

The Maximum Peak Output Power was measured with a power meter (tested bandwidth: 50MHz) connected to the antenna port.

Test data : APPENDIX 2
Test result : Pass

SECTION 9: Carrier Frequency Separation

Test Procedure

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna port.

SECTION 10: Number of Hopping Frequency

Test Procedure

The Number of Hopping Frequency was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2
Test result : Pass

SECTION 11: Dwell time

Test Procedure

The Dwell time was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2
Test result : Pass

APPENDIX 1: Photographs of test setup

Conducted Emission

This page has been submitted for a separate exhibit.

Spurious Emission (Radiated)

This page has been submitted for a separate exhibit.

Worst Case Position (Horizontal: X-axis/ Vertical:Z-axis)

This page has been submitted for a separate exhibit.

APPENDIX 2: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/09

Company	: Sharp Corporation	Report No.	: 27LE0004-HO
Kind of EUT	: WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable	Power	: AC 120V / 60Hz
Model No.	: 880SH	Temp./Humi.	: 24deg. C / 59%
Serial No.	: 004401/11/069443/3	Operator	: Norihisa Hashimoto
Mode / Remarks	: Tx 2402MHz DH:5		
LIMIT	: FCC15.207 QP		
	: FCC15.207 AV		

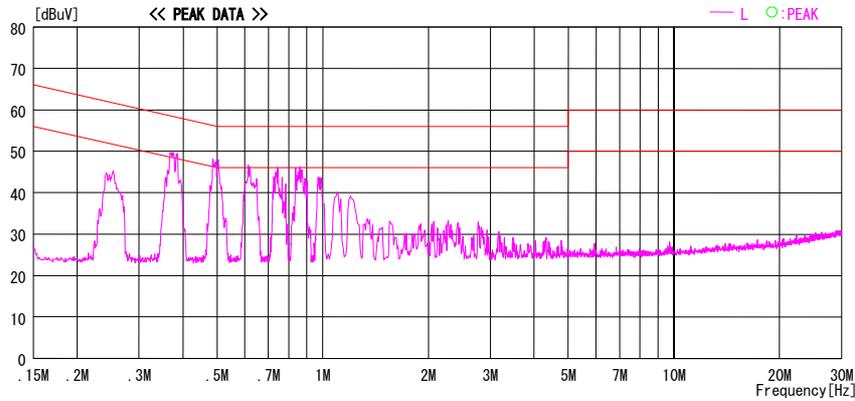
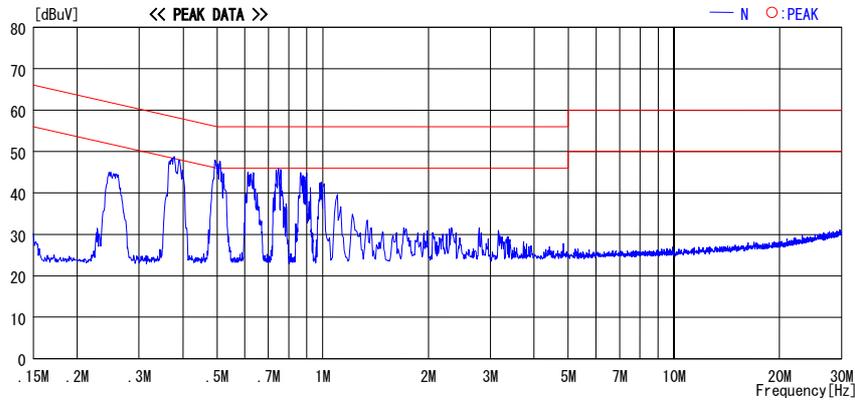


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE)
Except for the above table: adequate margin data below the limits.

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Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/09

Company : Sharp Corporation Kind of EUT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable Model No. : 880SH Serial No. : 004401/11/069443/3 Mode / Remarks : Tx 2441MHz DH:5	Report No. : 27LE0004-HO Power : AC 120V / 60Hz Temp./Humi. : 24deg.C / 59% Operator : Norihisa Hashimoto
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LIMIT : FCC15.207 QP
FCC15.207 AV

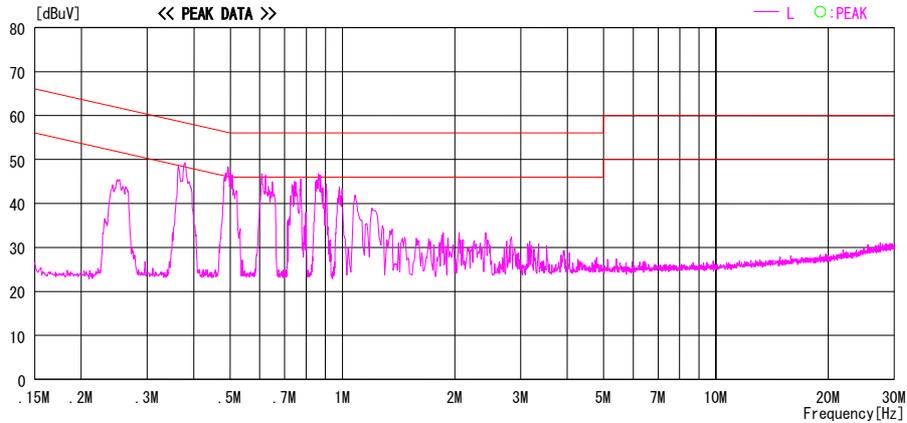
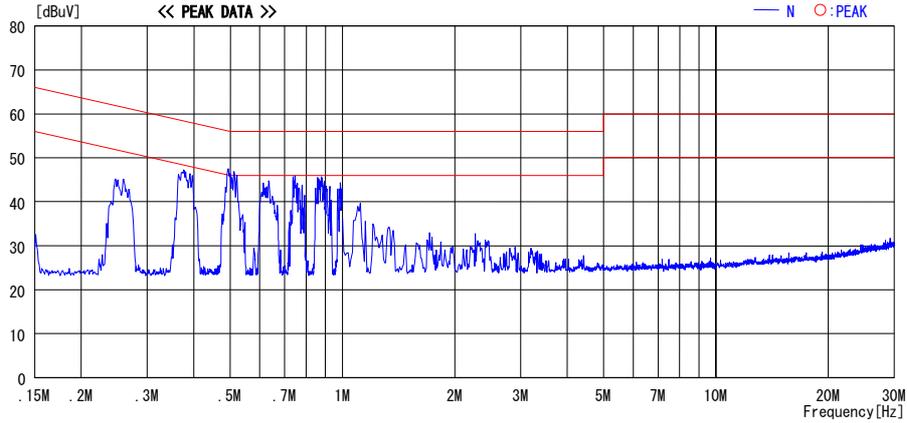


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

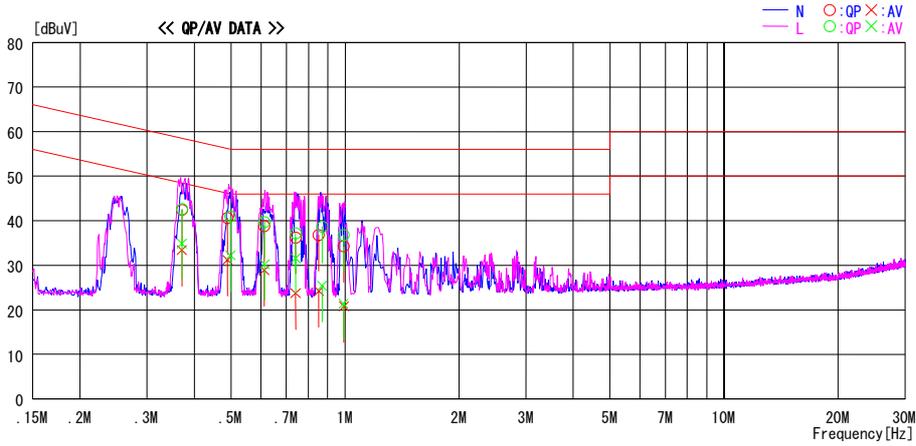
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/07/09

Company : Sharp Corporation
Kind of EUT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
Model No. : 880SH
Serial No. : 004401/11/069443/3

Report No. : 27LE0004-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg.C / 59%
Operator : Norihisa Hashimoto

Mode / Remarks : Tx 2480MHz DH:5

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.37125	42.0	33.0	0.4	42.4	33.4	58.5	48.5	16.1	15.1	N
0.48965	40.2	30.8	0.4	40.6	31.2	56.2	46.2	15.6	15.0	N
0.61195	38.4	28.5	0.4	38.8	28.9	56.0	46.0	17.2	17.1	N
0.74081	35.8	23.3	0.4	36.2	23.7	56.0	46.0	19.8	22.3	N
0.85230	36.4	23.8	0.4	36.8	24.2	56.0	46.0	19.2	21.8	N
0.99236	33.9	20.4	0.4	34.3	20.8	56.0	46.0	21.7	25.2	N
0.37110	42.2	34.5	0.4	42.6	34.9	58.5	48.5	15.9	13.6	L
0.49840	40.6	31.8	0.4	41.0	32.2	56.0	46.0	15.0	13.8	L
0.61340	39.3	29.8	0.4	39.7	30.2	56.0	46.0	16.3	15.8	L
0.74020	36.8	31.2	0.4	37.2	31.6	56.0	46.0	18.8	14.4	L
0.86996	38.2	25.0	0.4	38.6	25.4	56.0	46.0	17.4	20.6	L
0.99066	36.4	21.0	0.4	36.8	21.4	56.0	46.0	19.2	24.6	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (L ISN LOSS+CABLE LOSS)
Except for the above table: adequate margin data below the limits.

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

Carrier Frequency Separation

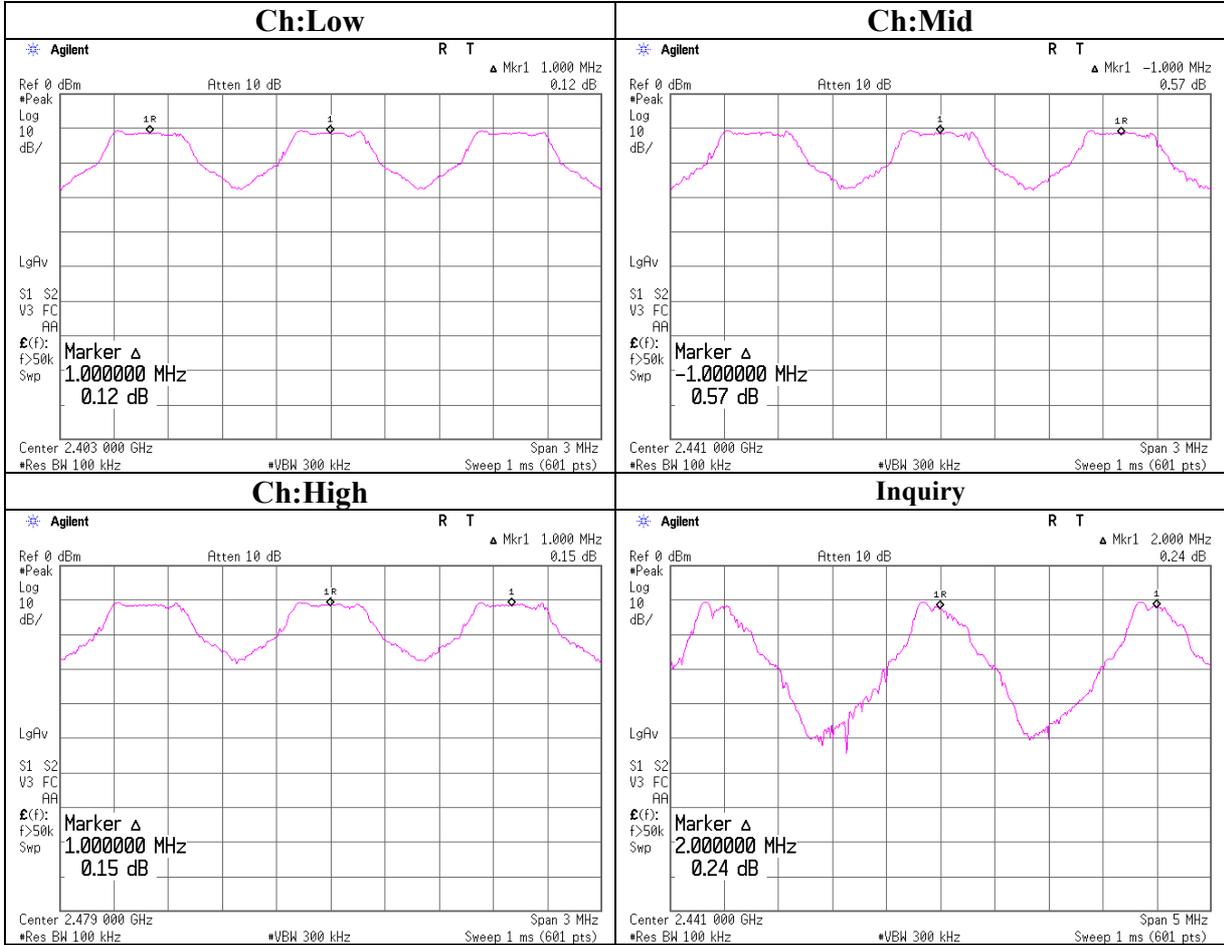
DATA OF CARRIER FREQUENCY SEPARATION

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

COMPANY : Sharp Corporation
EQUIPMENT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
MODEL : 880SH
S/N : 004401/11/069449/0
POWER : AC120V/60Hz
MODE : Tx(Hopping on)/Inquiry
REGULATION : FCC15.247(a)(1)/RSS-210A8.1(b)
TEST DISTANCE : -
DATE : 07/05/2007
TEMPERATURE : 24deg.C
HUMIDITY : 60%
ENGINEER : Norihisa Hashimoto

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>two-thirds of the 20dB Bandwidth(0.955MHz) or 25[kHz](whichever is greater)
Mid	2441.0	1.000	>two-thirds of the 20dB Bandwidth(0.955MHz) or 25[kHz](whichever is greater)
High	2480.0	1.000	>two-thirds of the 20dB Bandwidth(0.960MHz) or 25[kHz](whichever is greater)
Inquiry	2441.0	2.000	>two-thirds of the 20dB Bandwidth(0.830MHz) or 25[kHz](whichever is greater)

Carrier Frequency Separation



20dB Bandwidth

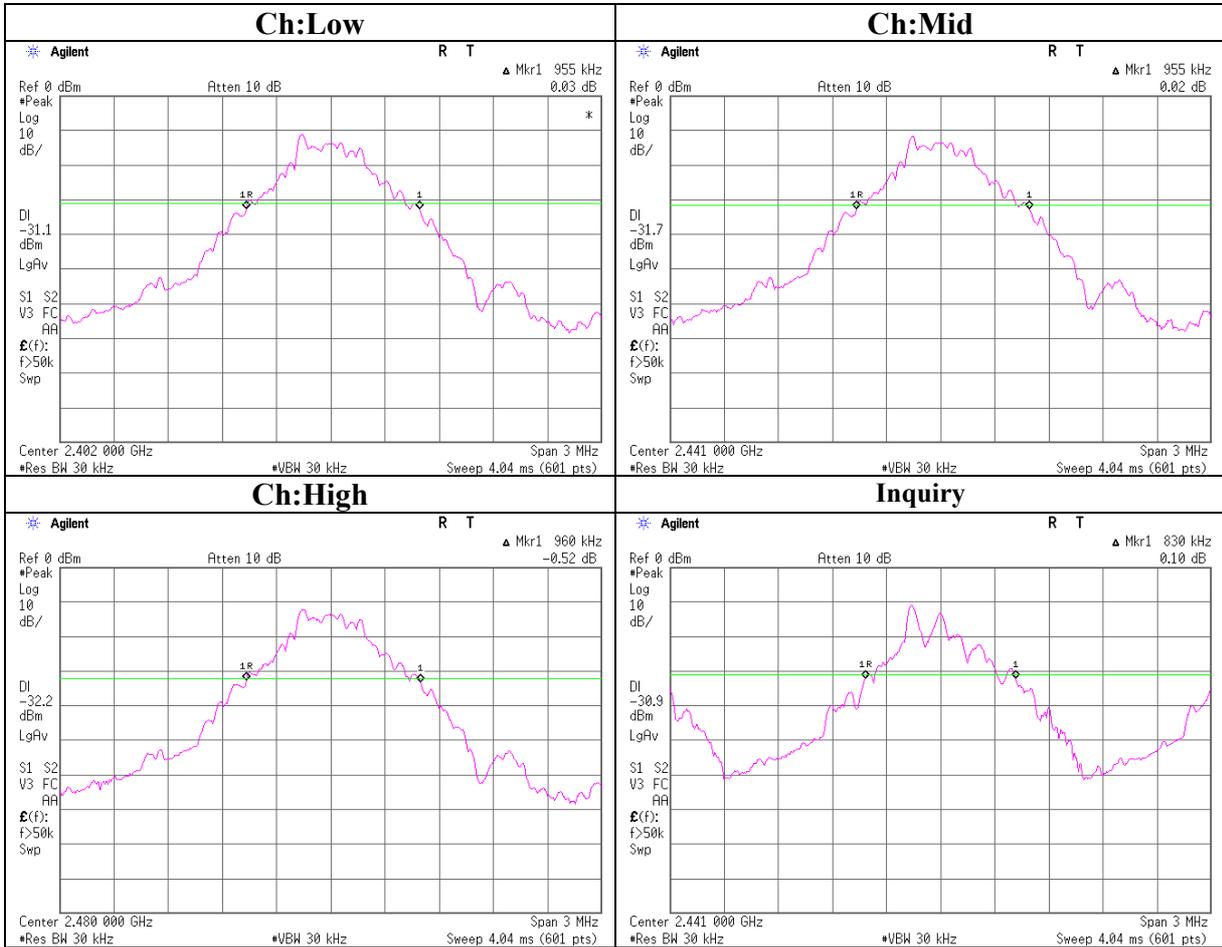
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

COMPANY : Sharp Corporation
EQUIPMENT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
MODEL : 880SH
S/ N : 004401/11/069449/0
POWER : AC120V/60Hz
MODE : Tx (Hopping off) /Inquiry

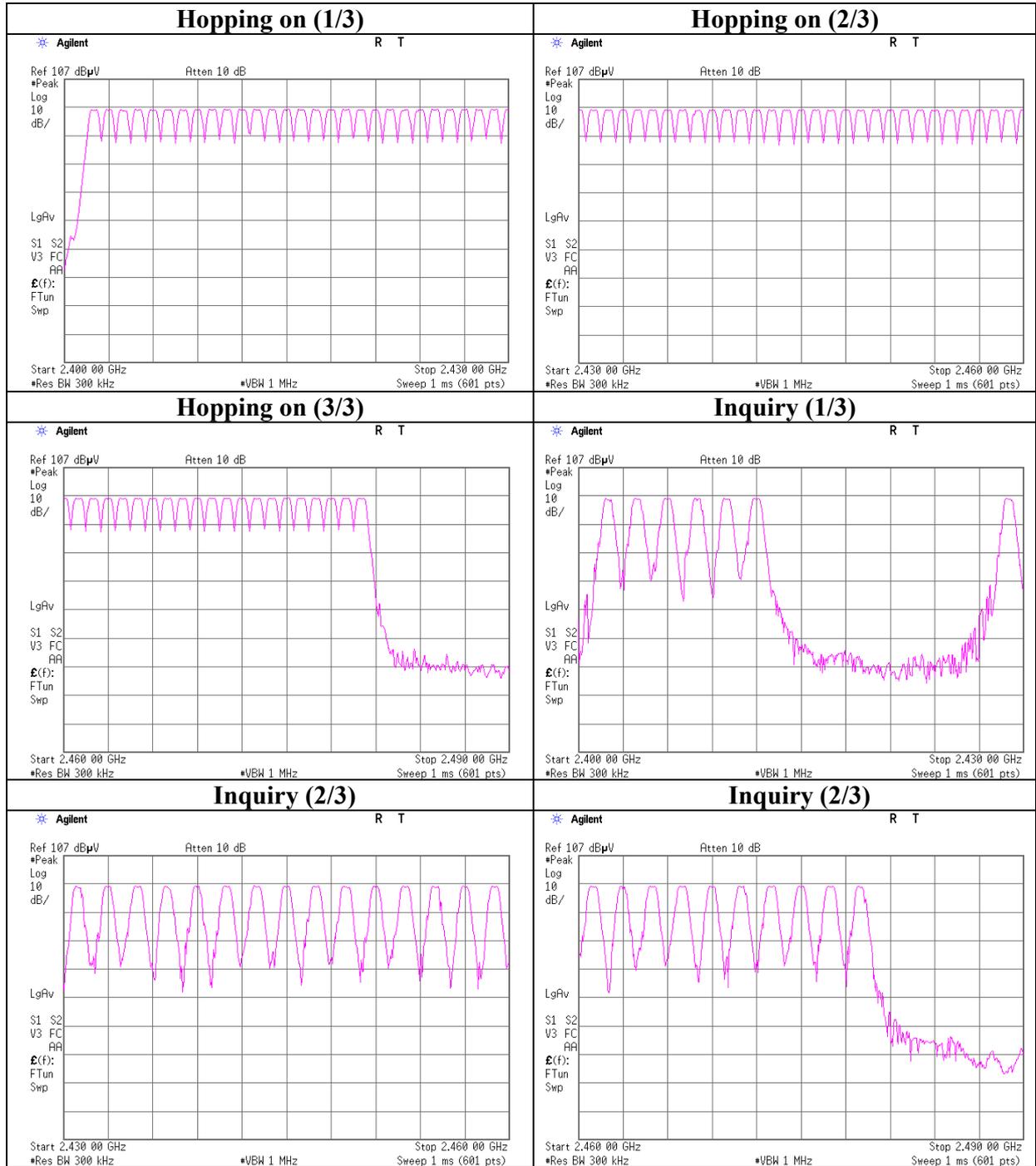
REGULATION : FCC15.247(a)(1)/RSS-210A8.1(a)
TEST DISTANCE : -
DATE : 07/05/2007
TEMPERATURE : 24deg.C
HUMIDITY : 60%
ENGINEER : Norihisa Hashimoto

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	0.955	-
Mid	2441.0	0.955	-
High	2480.0	0.960	-
Inquiry	2441.0	0.830	-

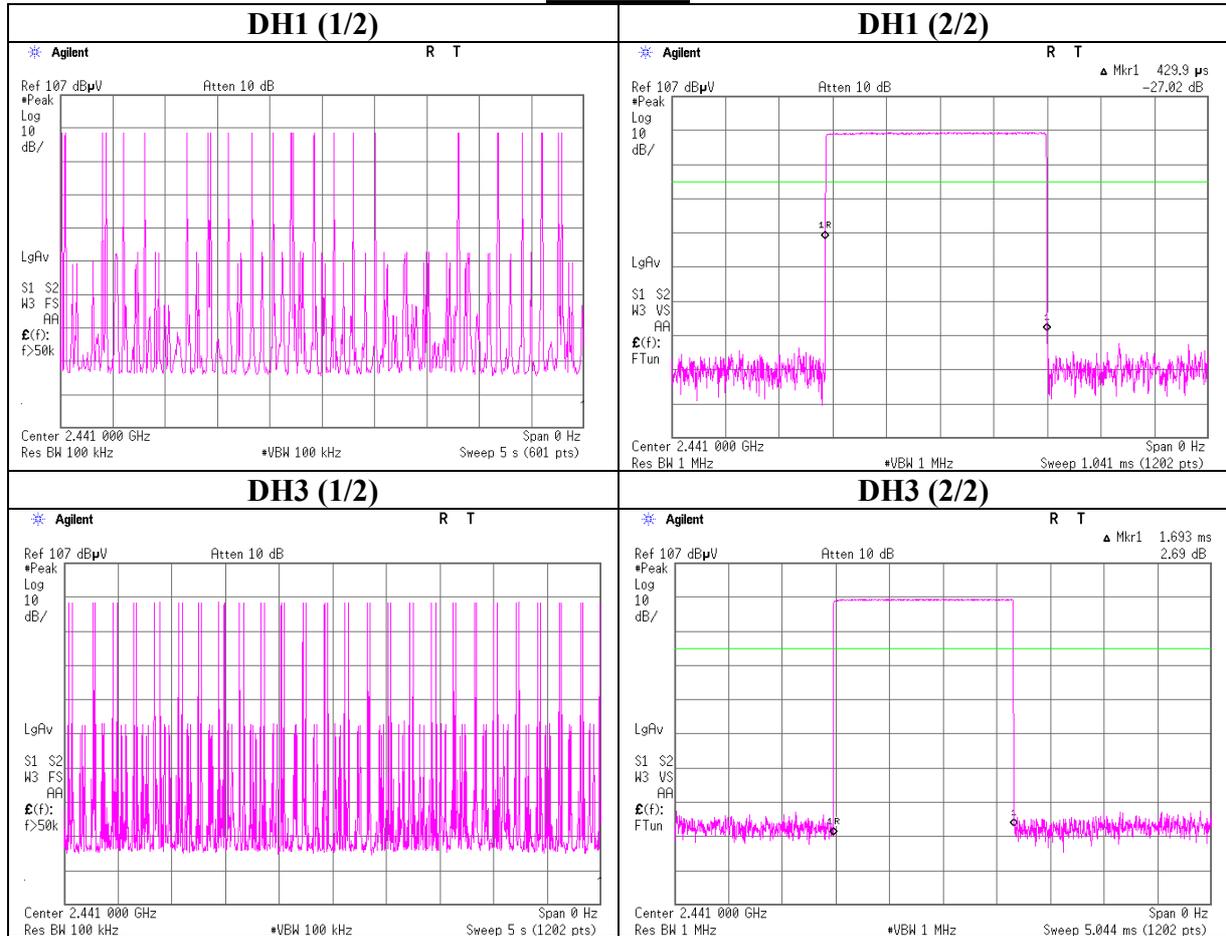
20dB Bandwidth



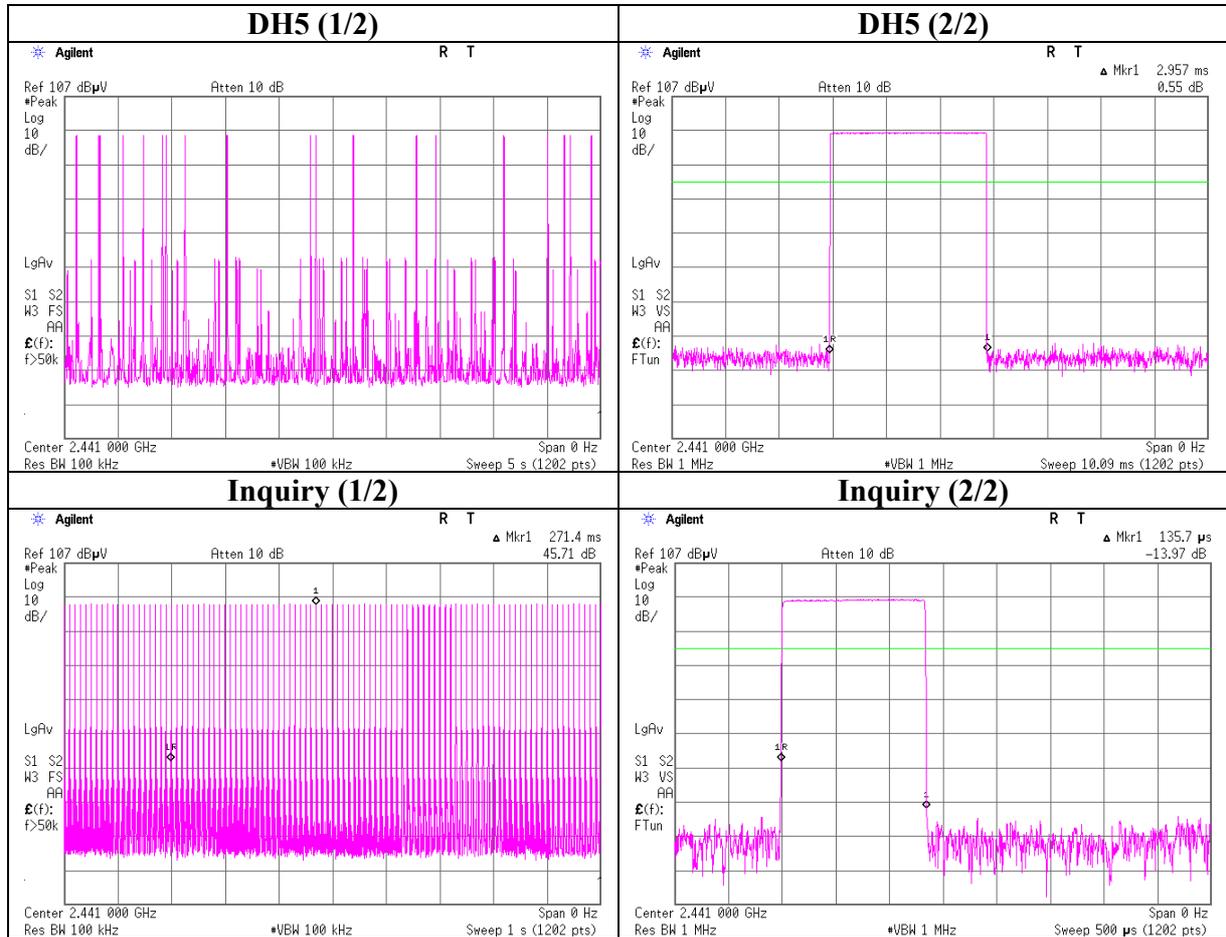
Number of Hopping Frequency



Dwell time



Dwell time



Maximum Peak Output Power

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

COMPANY : Sharp Corporation
EQUIPMENT : WCDMA & Tri-band GSM Dual mode
 : Mobile phone / Bluetooth Enable
MODEL : 880SH
S/ N : 004401/11/069449/0
POWER : AC120V/60Hz
MODE : Tx(Hopping Off)/Inquiry

REGULATION : FCC15.247(b)(1)/RSS-210A8.4(2)
TEST DISTANCE : -
DATE : 07/05/2007
TEMPERATURE : 24deg.C
HUMIDITY : 60%
ENGINEER : Norihisa Hashimoto

Ch	Freq. [MHz]	PM Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-10.60	1.15	10.08	0.63	1.16	20.97	125	20.34
Mid	2441.0	-10.56	1.16	10.08	0.68	1.17	20.97	125	20.29
High	2480.0	-10.53	1.17	10.08	0.72	1.18	20.97	125	20.25
Inquiry	2441.0	-10.59	1.16	10.08	0.65	1.16	20.97	125	20.32

Sample Calculation:

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

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

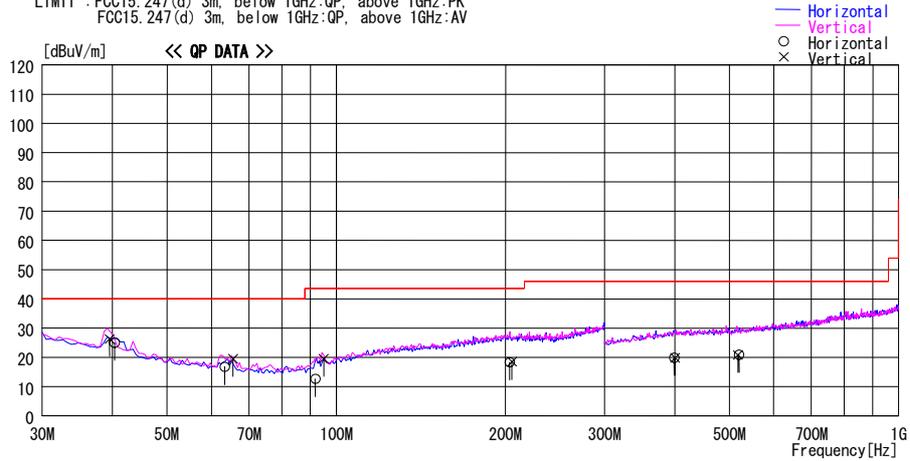
Radiated Spurious Emission (below 1GHz)
Tx, Ch. Low

DATA OF RADIATED EMISSION TEST

UL Japan Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2007/07/04

Company : Sharp Corporation
Kind of EUT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
Model No. : 880SH
Serial No. : 004401/11/069443/3
Report No. : 27LE0004-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C / 66%
Operator : Norihisa Hashimoto
Mode / Remarks : Tx 2402MHz DH5 Worst-axis Hori:X, Vert:Z

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna Factor	Loss & Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
39.530	34.2	QP	14.0	-21.9	26.3	54	144	Vert.	40.0	13.7	
40.350	33.2	QP	13.7	-21.9	25.0	92	348	Hori.	40.0	15.1	
63.348	30.6	QP	7.8	-21.7	16.7	0	100	Hori.	40.0	23.3	
65.540	33.7	QP	7.5	-21.7	19.5	65	167	Vert.	40.0	20.5	
91.760	26.0	QP	8.0	-21.3	12.7	0	100	Hori.	43.5	30.8	
95.070	31.9	QP	8.9	-21.3	19.5	257	146	Vert.	43.5	24.0	
203.366	20.9	QP	17.3	-19.9	18.3	0	100	Hori.	43.5	25.2	
205.420	21.1	QP	17.3	-19.9	18.5	0	100	Vert.	43.5	25.0	
398.910	21.3	QP	17.9	-19.3	19.9	0	100	Hori.	46.0	26.2	
400.690	21.3	QP	17.9	-19.3	19.9	0	100	Vert.	46.0	26.1	
518.150	21.7	QP	18.7	-19.5	20.9	0	100	Vert.	46.0	25.2	
520.830	21.7	QP	18.7	-19.5	20.9	0	100	Hori.	46.0	25.1	

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

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

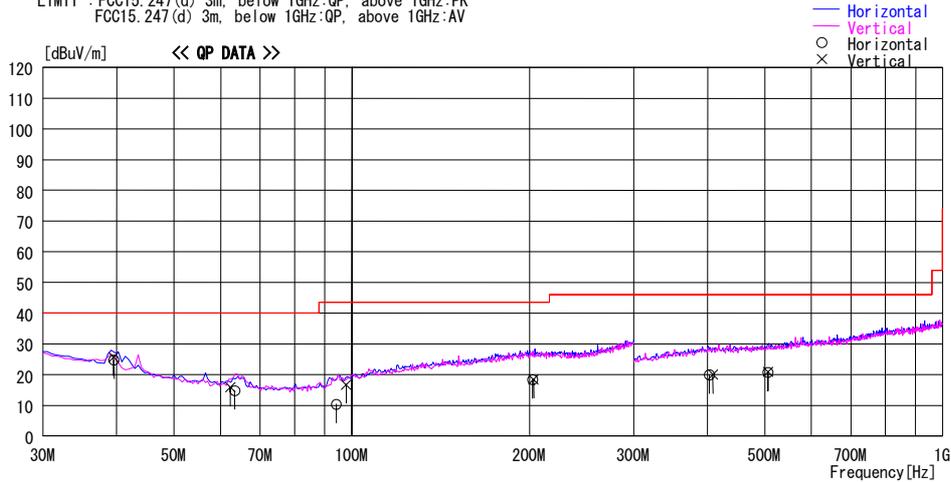
Radiated Spurious Emission (below 1GHz)
Tx, Ch. Mid

DATA OF RADIATED EMISSION TEST

UL Japan Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2007/07/04

Company : Sharp Corporation
Kind of EUT : WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable
Model No. : 880SH
Serial No. : 004401/11/069443/3
Report No. : 27LE0004-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C / 66%
Operator : Norihisa Hashimoto
Mode / Remarks : Tx 2441MHz DH5 Worst-axis Hori:X, Vert:Z

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
39.560	32.7	QP	14.0	-21.9	24.8	58	357	Hori.	40.0	15.2	
63.330	28.7	QP	7.8	-21.7	14.8	0	100	Hori.	40.0	25.2	
94.180	23.0	QP	8.6	-21.3	10.3	0	100	Hori.	43.5	33.2	
202.380	20.9	QP	17.4	-20.0	18.3	0	100	Hori.	43.5	25.2	
402.920	21.3	QP	17.9	-19.3	19.9	0	100	Hori.	46.0	26.1	
505.880	21.7	QP	18.6	-19.5	20.8	0	100	Hori.	46.0	25.2	
39.498	33.5	QP	14.1	-21.9	25.7	26	323	Vert.	40.0	14.3	
62.267	29.5	QP	8.0	-21.7	15.8	302	348	Vert.	40.0	24.2	
97.860	28.4	QP	9.6	-21.3	16.7	84	348	Vert.	43.5	26.8	
203.170	20.9	QP	17.4	-19.9	18.4	0	100	Vert.	43.5	25.1	
408.430	21.3	QP	18.0	-19.4	19.9	0	100	Vert.	46.0	26.1	
506.400	21.7	QP	18.6	-19.5	20.8	0	100	Vert.	46.0	25.2	

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

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

Radiated Spurious Emission (below 1GHz)
Tx, Ch. High

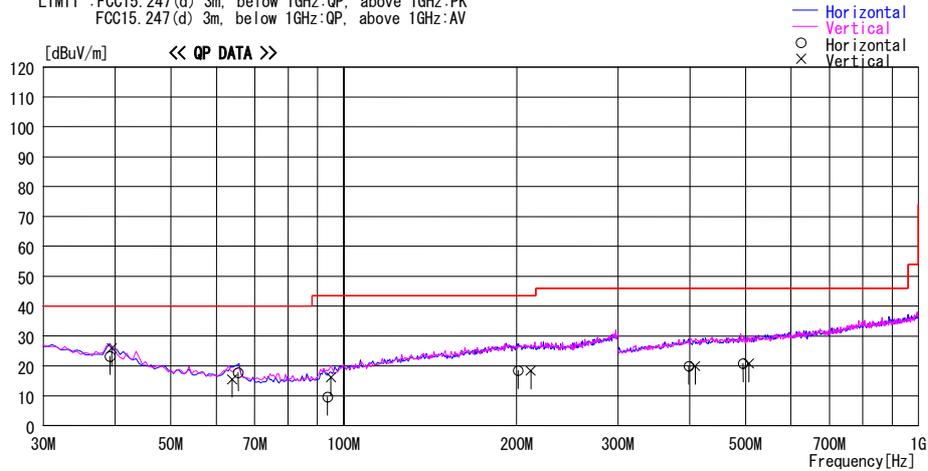
DATA OF RADIATED EMISSION TEST

UL Japan Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2007/07/04

Company : Sharp Corporation
Kind of EUT : WCDMA & Tri-band GSM Dual mode Mobile
Model No. : 880SH
Serial No. : 004401/11/069443/3
Report No. : 27LE0004-HO
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C / 66%
Operator : Norihisa Hashimoto

Mode / Remarks : Tx 2480MHz DH5 Worst-axis Hori:X, Vert:Z

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
39.198	30.9	QP	14.2	-21.9	23.2	90	346	Hori.	40.0	16.8	
39.478	33.7	QP	14.1	-21.9	25.9	90	135	Vert.	40.0	14.1	
63.920	29.5	QP	7.7	-21.7	15.5	165	100	Vert.	40.0	24.5	
65.520	31.9	QP	7.5	-21.7	17.7	341	375	Hori.	40.0	22.3	
93.710	22.4	QP	8.5	-21.3	9.6	0	100	Hori.	43.5	34.0	
94.994	28.7	QP	8.8	-21.3	16.2	173	100	Vert.	43.5	27.3	
201.170	21.1	QP	17.4	-20.0	18.5	0	100	Hori.	43.5	25.0	
211.560	21.1	QP	17.2	-19.9	18.4	285	100	Vert.	43.5	25.2	
398.430	21.3	QP	17.9	-19.3	19.9	0	100	Hori.	46.0	26.1	
408.850	21.3	QP	18.0	-19.4	19.9	0	100	Vert.	46.0	26.1	
495.200	21.7	QP	18.5	-19.5	20.7	0	100	Hori.	46.0	25.3	
507.070	21.7	QP	18.6	-19.5	20.8	0	100	Vert.	46.0	25.2	

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

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

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

Company	Sharp Corporation	UL Japan, Inc.
Equipment	WCDMA & Tri-band GSM Dual mode Mobile phone / Bluetooth Enable	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Model	880SH	Regulation FCC15.247(d)
S/N	004401/11/069443/3	Test Distance 3m / 1m
Power	AC 120V / 60Hz	Date 07/03/2007 , 07/04/2007
Mode	Tx 2402MHz	Temperature 26deg.C , 25deg.C.
Position	H: X-axis, V: Z-axis	Humidity 66% , 66%
		Engineer Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	46.6	47.7	27.1	32.3	3.0	0.0	44.4	45.5	73.9	29.5	28.4
2*	2400.00	77.0	76.1	27.1	32.3	3.1	0.0	74.9	74.0	73.9	-	-
3	4804.00	47.7	45.2	31.3	31.6	4.2	0.5	52.1	49.6	73.9	21.8	24.3
4	7206.00	43.5	42.8	35.7	31.4	4.9	0.6	53.3	52.6	73.9	20.6	21.3
5	9608.00	47.6	47.4	38.5	31.9	5.9	0.8	60.9	60.7	73.9	13.0	13.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12010.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24020.00	46.5	46.7	38.7	30.7	9.8	0.0	54.8	55.0	73.9	19.1	18.9

* Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	33.6	33.4	27.1	32.3	3.0	0.0	31.4	31.2	53.9	22.5	22.7
2*	2400.00	60.3	58.3	27.1	32.3	3.1	0.0	58.2	56.2	53.9	-	-
3	4804.00	37.9	33.3	31.3	31.6	4.2	0.5	42.3	37.7	53.9	11.6	16.2
4	7206.00	30.4	30.5	35.7	31.4	4.9	0.6	40.2	40.3	53.9	13.7	13.6
5	9608.00	34.5	34.5	38.5	31.9	5.9	0.8	47.8	47.8	53.9	6.1	6.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12010.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14412.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16814.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19216.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21618.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24020.00	34.9	34.8	38.7	30.7	9.8	0.0	43.2	43.1	53.9	10.7	10.8

* Reference data

20dBc (Fundamental) 2402.0 MHz (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
0	2402.00	101.7	99.3	27.1	32.3	3.1	0.0	99.6	97.2	-	-	-
2	2400.00	51.1	49.7	27.1	32.3	3.1	0.0	49.0	47.6	Funda-20dB	30.6	29.6

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

*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.

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

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

*NS: Non Signal

UL Japan, Inc.
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Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

Radiated Spurious Emission (above 1GHz)

Tx, Ch. Mid

Company Sharp Corporation
Equipment WCDMA & Tri-band GSM Dual mode
Model 880SH
S/N 004401/11/069443/3
Power AC 120V / 60Hz
Mode Tx 2441MHz
Position H: X-axis, V: Z-axis

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation FCC15.247(d)
Test Distance 3m / 1m
Date 07/03/2007 , 07/04/2007
Temperature 26deg.C , 25deg.C.
Humidity 66% , 66%
Engineer Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4882.00	48.0	45.9	31.4	31.6	4.2	0.6	52.6	50.5	73.9	21.3	23.4
2	7323.00	44.4	42.5	36.0	31.4	5.1	0.6	54.7	52.8	73.9	19.2	21.1
3	9764.00	49.6	49.2	38.7	32.0	5.8	0.7	62.8	62.4	73.9	11.1	11.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12205.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24410.00	46.7	46.4	38.8	30.6	10.0	0.0	55.4	55.1	73.9	18.5	18.8

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4882.00	37.4	34.5	31.4	31.6	4.2	0.6	42.0	39.1	53.9	11.9	14.8
2	7323.00	29.9	29.6	36.0	31.4	5.1	0.6	40.2	39.9	53.9	13.7	14.0
3	9764.00	35.5	35.2	38.7	32.0	5.8	0.7	48.7	48.4	53.9	5.2	5.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12205.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14646.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17087.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19528.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21969.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24410.00	34.6	34.8	38.8	30.6	10.0	0.0	43.3	43.5	53.9	10.6	10.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*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.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*NS: Non Signal

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

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation FCC15.247(d)
Test Distance 3m / 1m
Date 07/03/2007 , 07/04/2007
Temperature 26deg.C. , 25deg.C.
Humidity 66% , 66%
Engineer Norihisa Hashimoto

Company Sharp Corporation
Equipment WCDMA & Tri-band GSM Dual mode
Mobile phone / Bluetooth Enable
Model 880SH
S/N 004401/11/069443/3
Power AC 120V / 60Hz
Mode Tx 2480MHz
Position H: X-axis, V: Z-axis

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

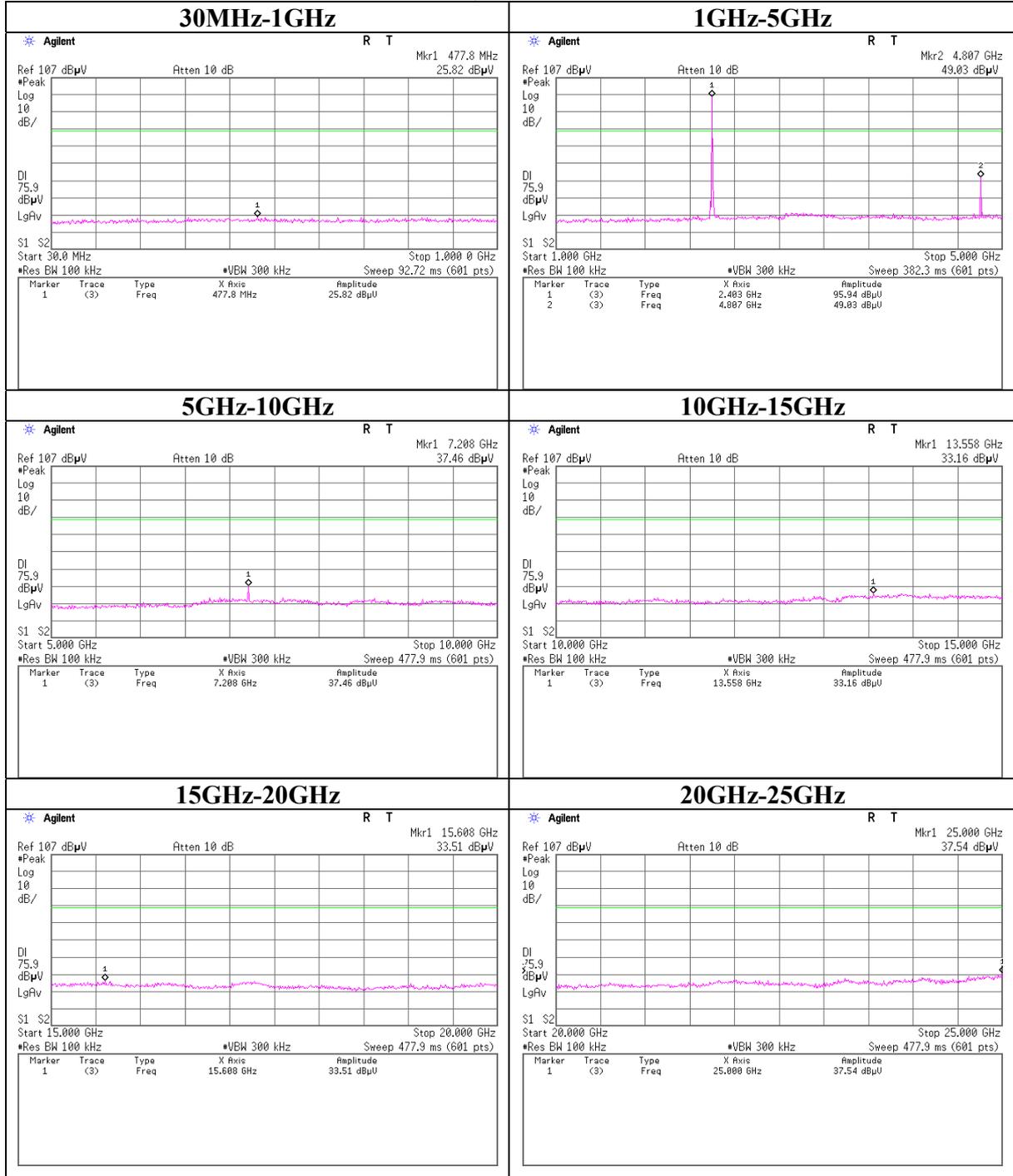
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	63.1	58.8	27.2	32.3	2.8	0.0	60.8	56.5	73.9	13.1	17.4
2	4960.00	47.9	46.8	31.5	31.6	4.3	0.3	52.4	51.3	73.9	21.5	22.6
3	7440.00	43.9	43.8	36.2	31.4	5.2	0.6	54.5	54.4	73.9	19.4	19.5
4	9920.00	50.5	49.6	38.9	32.0	5.8	0.6	63.8	62.9	73.9	10.1	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12400.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24800.00	47.5	47.5	38.9	30.5	10.1	0.0	56.5	56.5	73.9	17.4	17.4

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

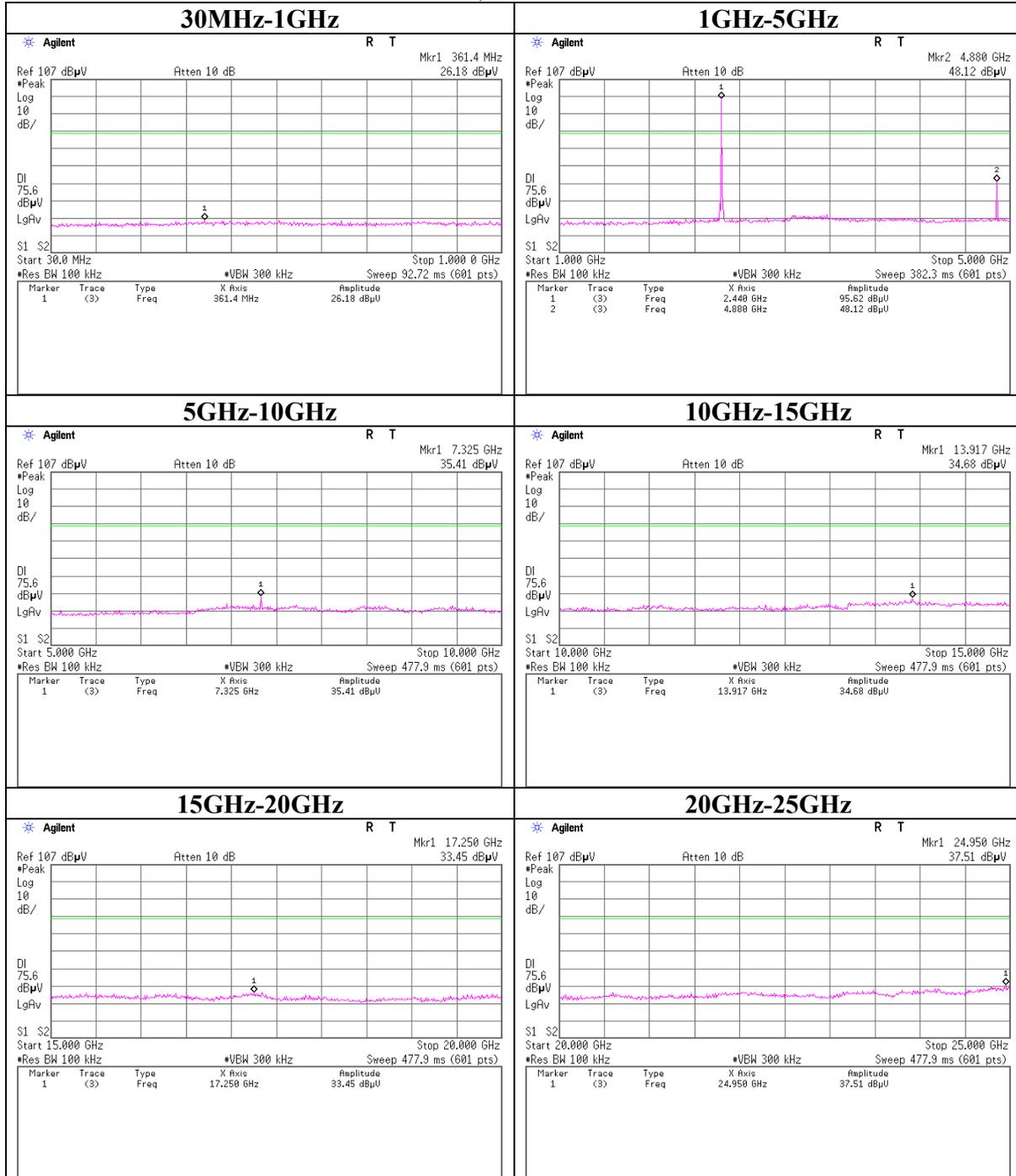
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	53.5	50.3	27.2	32.3	2.8	0.0	51.2	48.0	53.9	2.7	5.9
2	4960.00	37.7	33.5	31.5	31.6	4.3	0.3	42.2	38.0	53.9	11.7	15.9
3	7440.00	30.1	29.9	36.2	31.4	5.2	0.6	40.7	40.5	53.9	13.2	13.4
4	9920.00	36.1	35.9	38.9	32.0	5.8	0.6	49.4	49.2	53.9	4.5	4.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12400.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14880.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17360.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19840.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22320.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24800.00	36.1	36.1	38.9	30.5	10.1	0.0	45.1	45.1	53.9	8.8	8.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*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.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*NS: Non Signal

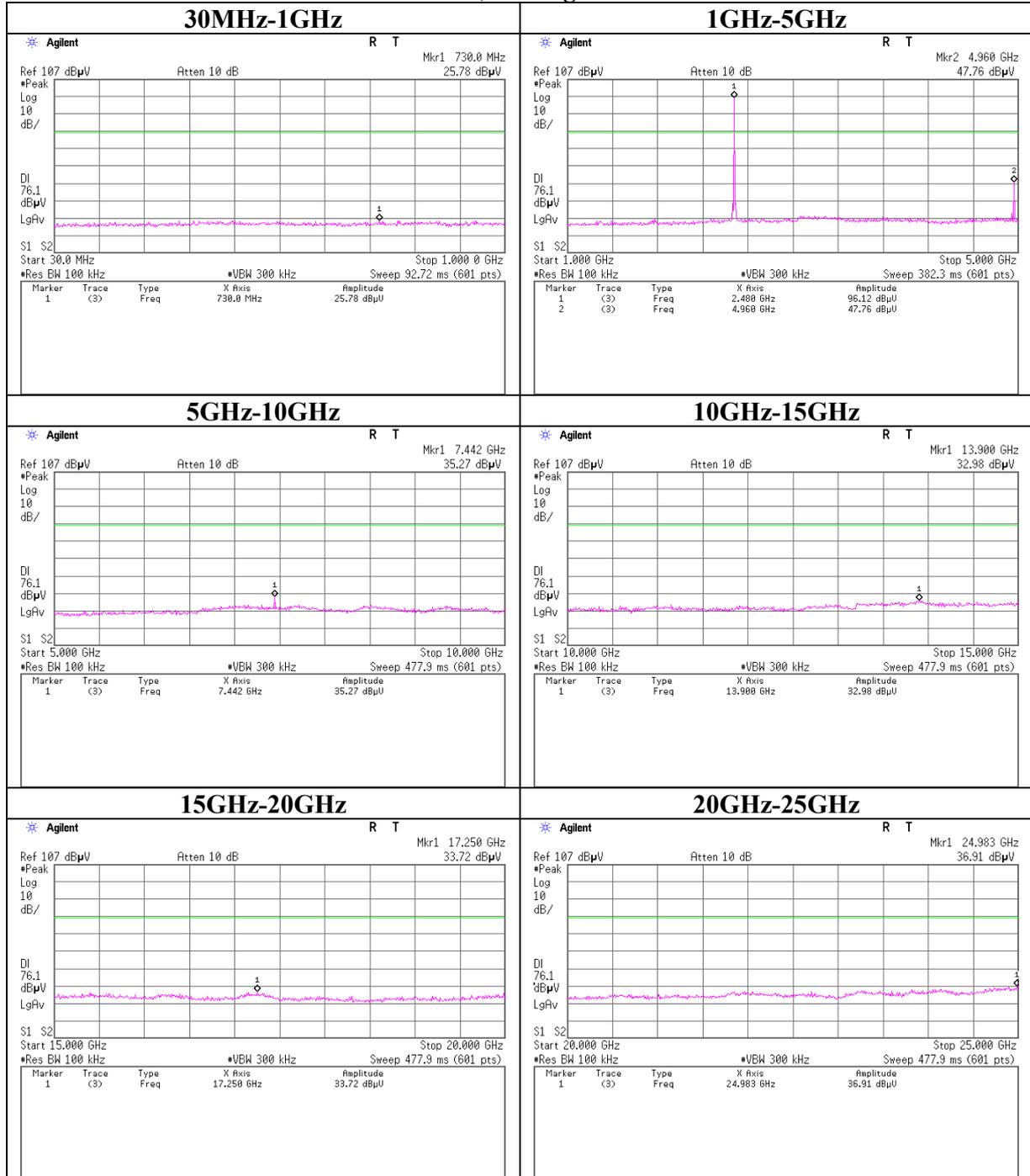
Conducted Spurious Emission
Tx, Ch:Low



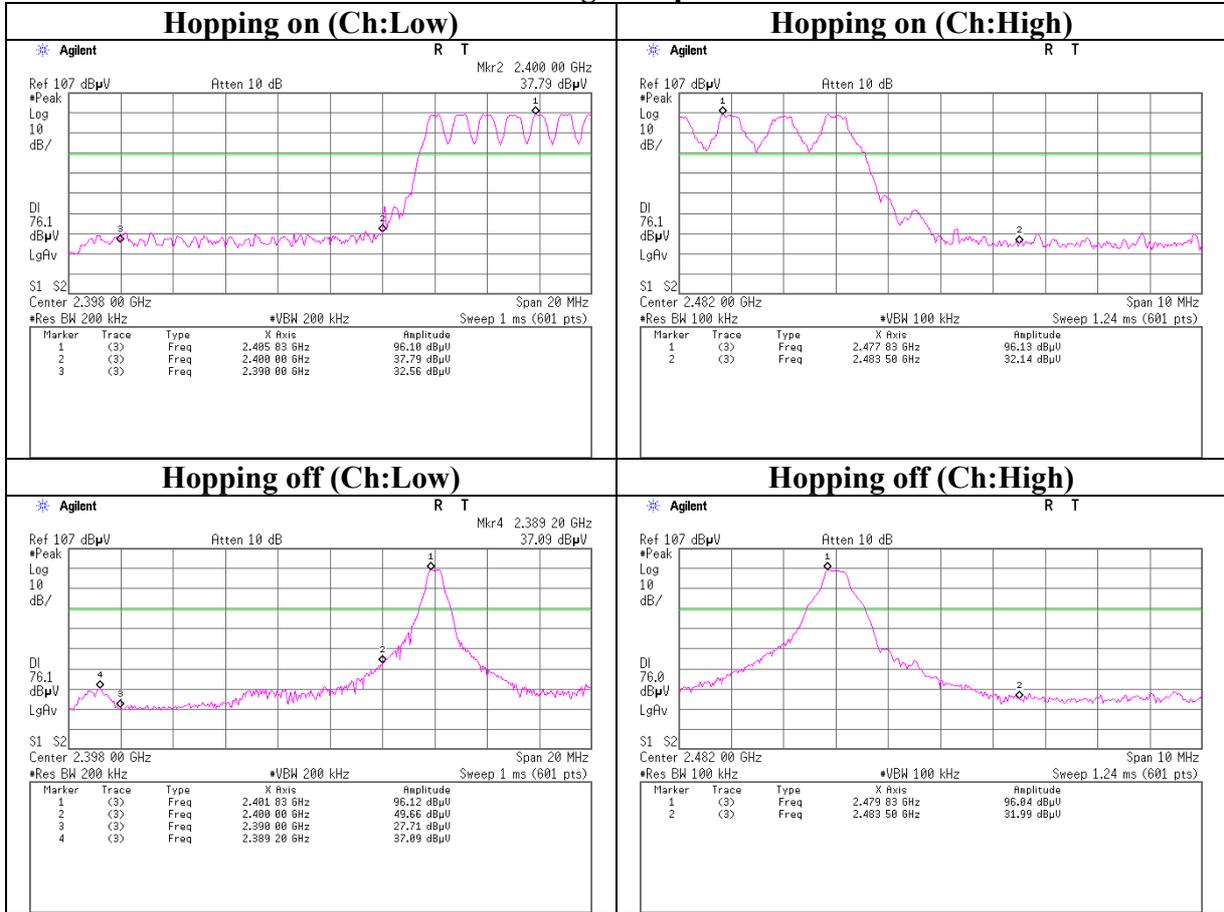
Conducted Spurious Emission
Tx, Ch:Mid



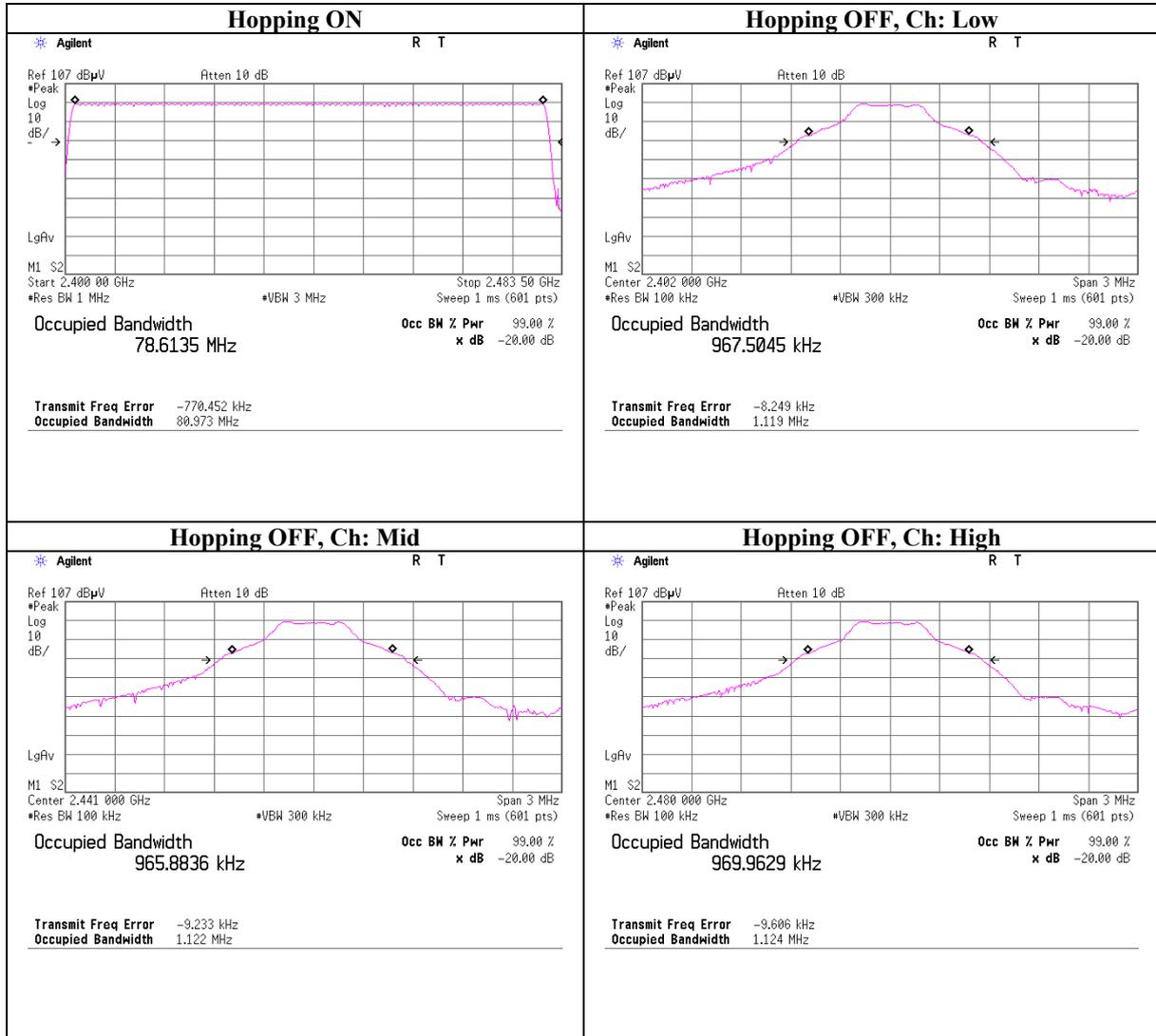
Conducted Spurious Emission
Tx, Ch:High



Conducted Spurious Emission
Band Edge compliance



99% Occupied Bandwidth



APPENDIX 3:Test instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	CE	2007/03/05 * 12
MCC-51	Coaxial cable	UL Japan	-	CE	2007/03/05 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	CE	2006/12/08 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2007/02/03 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2007/02/22 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	CE	2006/01/19 * 24
MLDM-03	Digital laser distance meter	BOSCH	DLE 50	CE	2007/06/21 * 36
MPA-10	Pre Amplifier	Agilent	8449B	RE	2006/09/11 * 12
MSA-07	Spectrum Analyzer	Advantest	R3272	RE	2006/11/25 * 12
MCC-25	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/08/29 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/08/29 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2007/01/30 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE / CE	-
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE	2006/11/27 * 12
MJM-05	Measure	PROMART	SEN1955	RE	-
MMM-01	Digital Tester	Fluke	FLUKE 26-3	RE	2006/08/08 * 12
MHF-06	High Pass Filter 3.5-24GHz	Tokimec	TF323DCA	RE	2007/05/30 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/04/02 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/10/07 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2006/10/07 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2006/12/27 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2007/02/27 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2006/09/07 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE	2007/05/31 * 12

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EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MAT-25	Attenuator(10dB)(above1GHz)	Agilent	8493C	AT	2007/06/28 * 12
MMM-10	DIGITAL HiTESTER	Hioki	3805	AT	2007/01/12 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24

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: CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted test

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