



RADIO TEST REPORT

Test Report No. : 28GE0193-HO

Applicant : Sharp Corporation, Communication Systems Group.
Type of Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
FCC ID : APYHRO00066
Test regulation : FCC Part 15 Subpart C 2008
Section 15.207, Section 15.247
Test Result : Complied

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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.
5. This test report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Date of test: April 1 to 3, 2008

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NVLAP LAB CODE: 200572-0

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*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 (09.01.08)

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SECTION 1: Customer information

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Contact Person : MASA AKI KANAO

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

2.1 Identification of E.U.T.

Type of Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
Serial No. : 004401/11/110527/2 (Antenna Terminal conducted test)
004401/11/110528/0 (Conducted Emission test and Radiated Emission test)
Rating : AC 120V/60Hz, DC3.7V(Lithium ion)
Receipt Date of Sample : March 31, 2008
Country of Mass-production : Japan
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: FOMA SH906i (referred to as the EUT in this report) is the WCDMA Mobile & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone/Felica Enable/Bluetooth Enable.

Clock frequency(ies) in the system : 26MHz, 27.12MHz, 27.456MHz, 48MHz, 32.768kHz
Equipment Type : Transceiver
Frequency of Operation : 2402-2480MHz
Bandwidth & Channel Spacing : 1MHz & 1MHz / CH
Modulation : FHSS
Power Supply (inner) : DC 2.9V
Antenna Type : Internal Antenna
Antenna Gain : 2.14dBi

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SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification : FCC Part15 Subpart C: 2008, final revised on March 24, 2008

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(DC2.9V) 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	[QP] 16.7dB 0.17295MHz, L [AV] 18.4dB 1.39868MHz, N	Complied
		IC: RSS-Gen 7.2.2	IC: RSS-Gen 7.2.2				
2	Carrier Frequency Separation	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(a)(1)	Conducted	N/A	See data.	Complied
		IC: -	IC: RSS-210 A8.1 (b)				
3	20dB Bandwidth	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(a)(1)	Conducted	N/A		Complied
		IC: -	IC: RSS-210 A8.1 (a)				
4	Number of Hopping Frequency	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(a)(1)(iii)	Conducted	N/A		Complied
		IC: -	IC: RSS-210 A8.1 (d)				
5	Dwell time	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(a)(1)(iii)	Conducted	N/A		Complied
		IC: -	IC: RSS-210 A8.1 (d)				
6	Maximum Peak Output Power	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(b)(1)	Conducted	N/A	Complied	
		IC: RSS-Gen 4.8	IC: RSS-210 A8.4 (2)				
7	Band Edge Compliance	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(d)	Conducted	N/A	Complied	
		IC: -	IC: RSS-210 A8.5				
8	Spurious Emission	FCC: FCC Public Notice DA 00-705	FCC: Section 15.247(d)	Conducted/ Radiated	N/A	[Tx] 13.9dB 448.513MHz, QP, Horizontal [Rx] 9.0dB 2442.99MHz, AV Horizontal	Complied
		IC: RSS-Gen 4.9 RSS-Gen 4.10	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 performed without any deviations from test procedure except for additions or exclusions.

* In case any questions arise about test procedure, ANSI C63.4: 2003 is also referred.

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3.3 Addition to standards

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

3.4 Uncertainty

EMI

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

Test room	Conducted emission	Radiated emission (10m*)			Radiated emission (3m*)			Radiated emission (3m*)	
	150kHz-30MHz	9kHz-30MHz	30MHz-300MHz	300MHz-1GHz	9kHz-30MHz	30MHz-300MHz	300MHz-1GHz	1GHz-18GHz	18GHz-40GHz
No.1 semi-anechoic Chamber (±)	3.7dB	3.1dB	4.7dB	4.4dB	3.2dB	3.7dB	4.4dB	5.9dB	6.1dB
No.2 semi-anechoic chamber (±)	3.7dB	-	-	-	3.2dB	4.3dB	3.9dB	5.9dB	6.1dB
No.3 semi-anechoic chamber (±)	3.7dB	-	-	-	3.2dB	4.2dB	4.4dB	5.9dB	6.1dB
No.4 semi-anechoic chamber (±)	3.7dB	-	-	-	3.2dB	4.2dB	4.4dB	5.9dB	6.1dB

*10m/3m = Measurement distance

Conducted emission test

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

Radiated emission test(3m)

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

Other test except Conducted Emission and Spurious Emission (Radiated)

The measurement uncertainty for this test is 3.0dB.

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3.5 Test Location

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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	IC4247	19.2 x 11.2 x 7.7m	7.0 x 6.0m	No.1 Power source room
No.2 semi-anechoic chamber	655103	IC4247-2	7.5 x 5.8 x 5.2m	4.0 x 4.0m	-
No.3 semi-anechoic chamber	148738	IC4247-3	12.0 x 8.5 x 5.9m	6.8 x 5.75m	No.3 Preparation room
No.3 shielded room	-	-	4.0 x 6.0 x 2.7m	N/A	-
No.4 semi-anechoic chamber	134570	IC4247-4	12.0 x 8.5 x 5.9m	6.8 x 5.75m	No.4 Preparation room
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 6.0m	-
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	-
No.9 measurement room	-	-	8.0 x 4.5 x 2.8m	2.0 x 2.0m	-
No.10 measurement room	-	-	2.6 x 2.8 x 2.5m	2.4 x 2.4m	-
No.11 measurement room	-	-	3.1 x 3.4 x 3.0m	2.4 x 3.4m	-

* 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.

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

4.1 Operating Mode(s)

Test	Mode	Tested frequency
Conducted Emission	Bluetooth(BT), Transmitting (Tx), DH5/3DH5, Payload: PRBS9	2402MHz 2441MHz 2480MHz
	Bluetooth(BT), Receiving (Rx)	2441MHz
Carrier Frequency Separation	Bluetooth(BT), Transmitting (Tx) (Hopping ON)/Inquiry, DH5/3DH5, Payload: PRBS9	2402MHz 2441MHz 2480MHz
20dB Bandwidth	Bluetooth(BT), Transmitting (Tx) (Hopping Off)/Inquiry, DH5/3DH5, Payload: PRBS9	2402MHz 2441MHz 2480MHz
Number of Hopping Frequency	Bluetooth(BT), Transmitting (Tx) (Hopping ON)/Inquiry, DH5/3DH5, Payload: PRBS9	-
Dwell time	Bluetooth(BT), Transmitting (Tx) (Hopping ON)/Inquiry -DH1 -DH3 -DH5 -3DH1 -3DH3 -3DH5	-
Maximum Peak Output Power	Bluetooth(BT), Transmitting (Tx) (Hopping Off)/Inquiry, Payload: PRBS9 -DH5 -2DH5 -3DH5	2402MHz 2441MHz 2480MHz
Spurious Emission (Conducted/Radiated)	Bluetooth(BT), Transmitting (Tx), DH5/3DH5, Payload: PRBS9	2402MHz 2441MHz 2480MHz
	Bluetooth(BT), Receiving (Rx)	2441MHz
Band Edge Compliance (Conducted)	Bluetooth(BT), Transmitting (Tx), DH5/3DH5, Payload: PRBS9 -Hopping ON -Hopping OFF	2402MHz 2480MHz
	(Radiated)	Bluetooth(BT), Transmitting (Tx), DH5/3DH5, Payload: PRBS9
99% Occupied Bandwidth	Bluetooth(BT), Transmitting (Tx), DH5/3DH5, Payload: PRBS9 -Hopping ON -Hopping OFF	2402MHz 2441MHz 2480MHz

*As a result of preliminary test, the formal test was performed with the above modes, which had the maximum payload (except Dwell time test)

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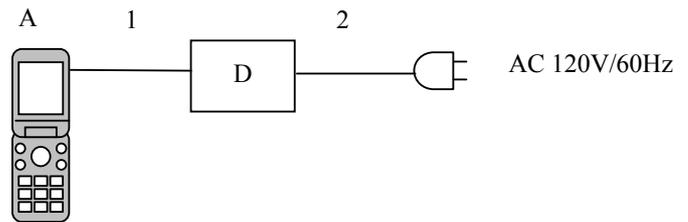
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Remarks: Test was not performed at AFH mode, because the decrease of number of channel (min: 20ch) at AFH mode does not influence on the output power and bandwidth of the EUT.
However, the limit level 125mW of AFH mode was used due to the overlap of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

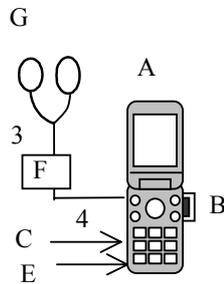
4.2 Configuration and peripherals

[For Conducted Emission test and Antenna Terminal conducted test]



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

[For Radiated Emission test]



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	WCDMA Mobile & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone/ Felica Enable/ Bluetooth Enable	FOMA SH906i	004401/11/110527/2 *1) 004401/11/110528/0 *2)	Sharp Corporation	EUT
B	microSD Memory Card	SD-C256	0630R 96536Q	TOSHIBA	-
C	SIM Card	-	-	NTT DoCoMo	-
D	AC Adapter	MAS-BH0008-A002	QKA	NEC	-
E	Rechargeable Lithium-ion Battery	SH17	-	SANYO	-
F	Earphone Plug Adapter of External connector terminal	RUITZA173AFZZ	-	SMK	-
G	Stereo Headset	P01	-	NTT DoCoMo	-

*1) Used for Antenna Terminal conducted test

*2) Used for Conducted Emission test and Radiated Emission test

List of cables used

No.	Name	Length (m)	Shield	
			Cable	Connector
1	DC Cable	1.5	Unshielded	Unshielded
2	AC Cable	2.0	Unshielded	Unshielded
3	Stereo Headset	0.51 +1.17	Unshielded	Unshielded
4	Earphone Plug Adapter of External connector terminal	0.15	Unshielded	Unshielded

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SECTION 5: Conducted Emission

Test Procedure and conditions

EUT was placed on a urethane platform of nominal size, 0.5m by 1.0m, 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.
The following spectrum analyzer setting was used:

- RBW: 100kHz
- VBW: 300kHz
- Sweep: Auto
- Detector: Peak
- Trace: Max Hold

Test data : APPENDIX 2
Test result : Pass

[Radiated]

Test Procedure

EUT was placed on urethane platform of nominal size, 1.0m by 1.0m, 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 *1)
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

*1) The Spectrum Analyzer was used in 3dB resolution bandwidth.

- 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.
The following spectrum analyzer setting was used:

- Span: 3MHz
- RBW: 30kHz
- VBW: 30kHz
- Sweep: Auto
- Detector: Peak
- Trace: Max Hold

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.
The following spectrum analyzer setting was used:

- Span: 3MHz
- RBW: 100kHz
- VBW: 300kHz
- Sweep: Auto
- Detector: Peak
- Trace: Max Hold

Test data : APPENDIX 2
Test result : Pass

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SECTION 10: Number of Hopping Frequency

Test Procedure

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

- Span: 30MHz
- RBW: 300kHz
- VBW: 1MHz
- Sweep: Auto
- Detector: Peak
- Trace: Max Hold

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.
The following spectrum analyzer setting was used:

- Span: Zero Span
- RBW: 1MHz
- VBW: 3MHz
- Sweep: as necessary to capture the entire dwell time per hopping channel
- Detector: function peak
- Trace: Max Hold

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

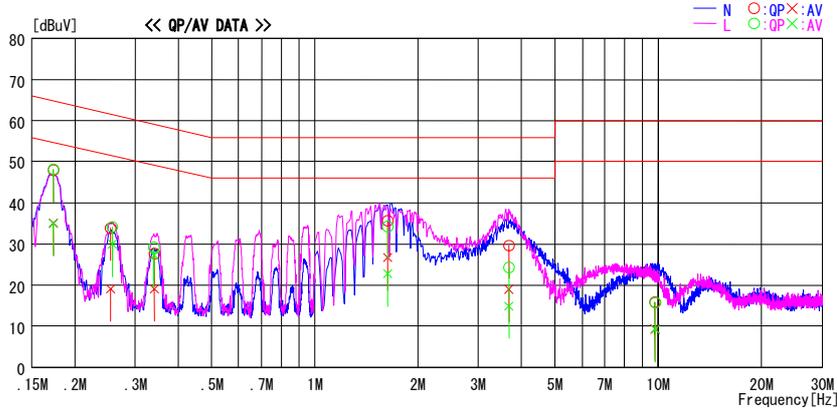
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-HO
Power : AC 120V/60Hz
Temp./Humi. : 25deg.C / 31%
Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, DH5 2402MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.17295	47.8	34.9	0.2	48.0	35.1	64.8	54.8	16.8	19.7	N
0.25440	33.6	18.9	0.3	33.9	19.2	61.6	51.6	27.7	32.4	N
0.34125	27.4	18.9	0.3	27.7	19.2	59.2	49.2	31.5	30.0	N
1.63000	35.3	26.3	0.4	35.7	26.7	56.0	46.0	20.3	19.3	N
3.68201	29.0	18.5	0.6	29.6	19.1	56.0	46.0	26.4	26.9	N
9.79290	14.8	8.2	1.1	15.9	9.3	60.0	50.0	44.1	40.7	N
0.17295	47.9	34.8	0.2	48.1	35.0	64.8	54.8	16.7	19.8	L
0.25795	33.8	29.7	0.3	34.1	30.0	61.5	51.5	27.4	21.5	L
0.34040	29.0	27.0	0.3	29.3	27.3	59.2	49.2	29.9	21.9	L
1.63000	33.9	22.4	0.4	34.3	22.8	56.0	46.0	21.7	23.2	L
3.68201	23.8	14.4	0.6	24.4	15.0	56.0	46.0	31.6	31.0	L
9.80190	14.7	8.1	1.1	15.8	9.2	60.0	50.0	44.2	40.8	L

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

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

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, DH5 2441MHz

LIMIT : FCC15. 207 QP
 FCC15. 207 AV

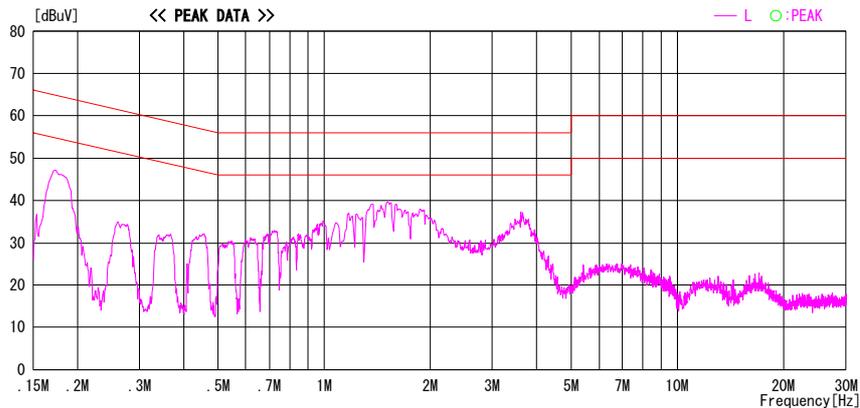
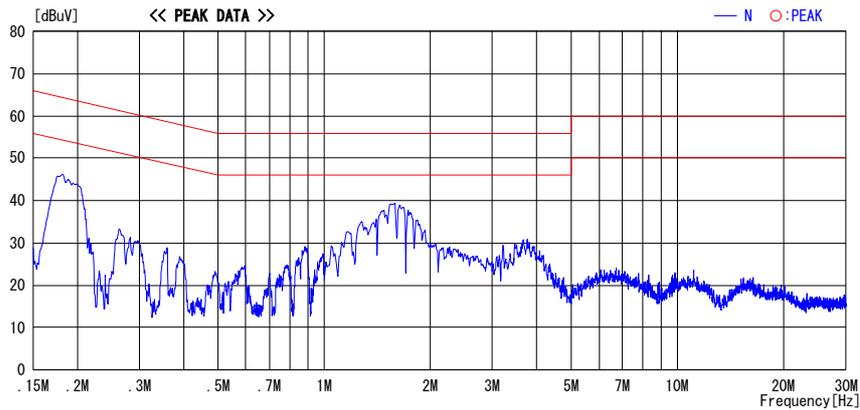


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, DH5 2480MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

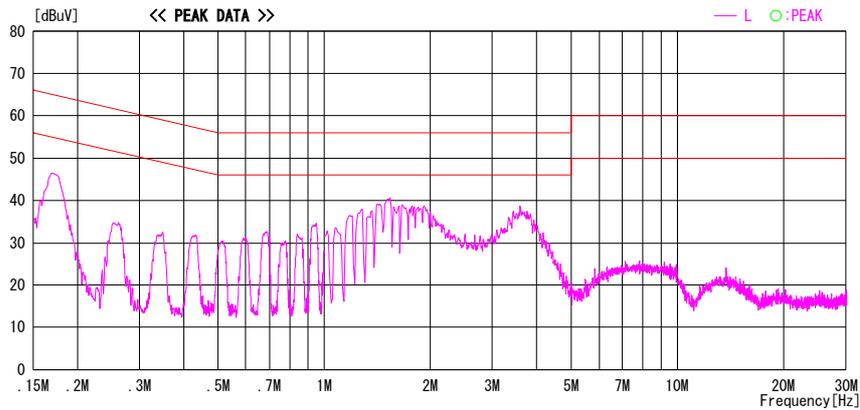
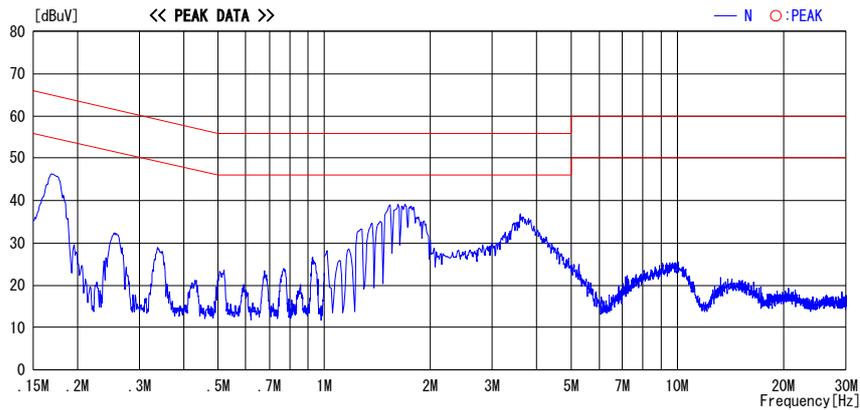


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

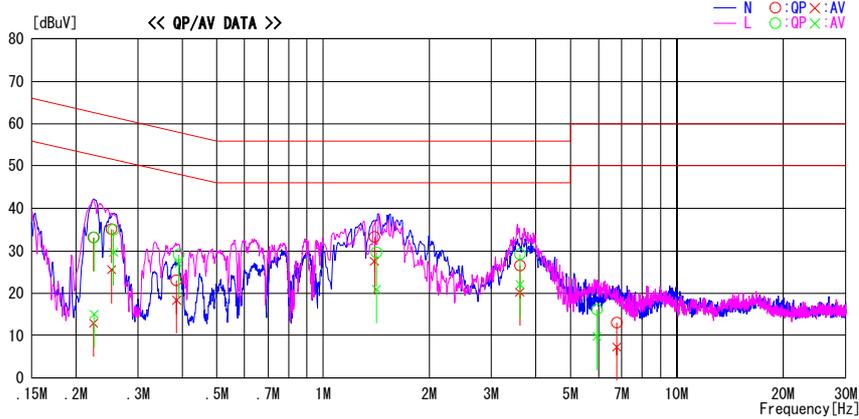
UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
 Date : 2008/04/03

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, 3DH5 2402MHz

LIMIT : FCC15. 207 QP
 FCC15. 207 AV



Frequency [MHz]	Reading Level		Cor. r. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.22395	32.8	12.7	0.3	33.1	13.0	62.7	52.7	29.6	39.7	N
0.25280	34.8	25.3	0.3	35.1	25.6	61.7	51.7	26.6	26.1	N
0.38540	22.8	18.1	0.3	23.1	18.4	58.2	48.2	35.1	29.8	N
1.39868	32.9	27.2	0.4	33.3	27.6	56.0	46.0	22.7	18.4	N
3.60100	26.0	19.7	0.6	26.6	20.3	56.0	46.0	29.4	25.7	N
6.77200	12.3	6.4	0.9	13.2	7.3	60.0	50.0	46.8	42.7	N
0.22460	32.8	14.8	0.3	33.1	15.1	62.6	52.6	29.5	37.5	L
0.25625	34.6	29.4	0.3	34.9	29.7	61.6	51.6	26.7	21.9	L
0.39055	28.8	26.7	0.3	29.1	27.0	58.1	48.1	29.0	21.1	L
1.42000	29.2	20.6	0.4	29.6	21.0	56.0	46.0	26.4	25.0	L
3.61400	28.7	21.5	0.6	29.3	22.1	56.0	46.0	26.7	23.9	L
5.93197	15.4	9.0	0.8	16.2	9.8	60.0	50.0	43.8	40.2	L

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

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

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/03

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, 3DH5 2441MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

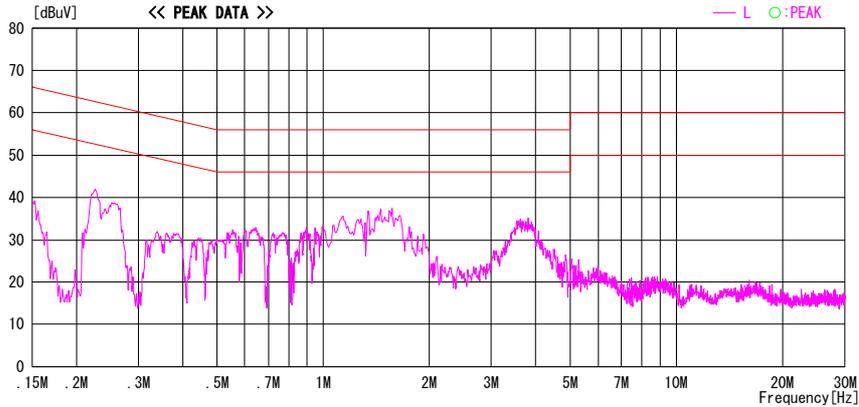
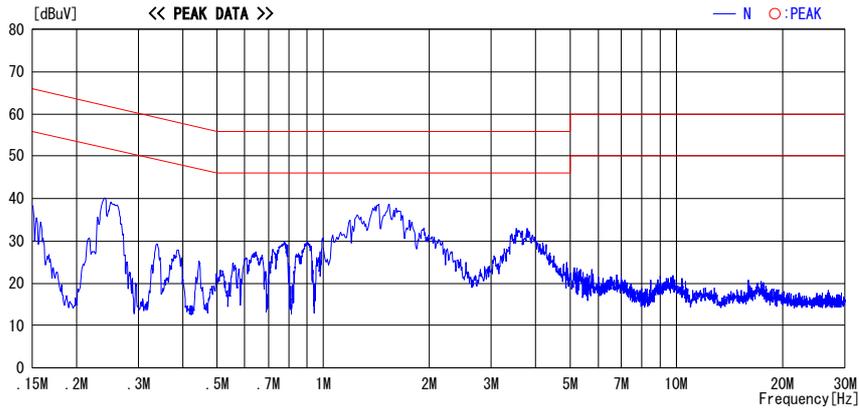


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/03

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Tx, 3DH5 2480MHz

LIMIT : FCC15. 207 QP
 FCC15. 207 AV

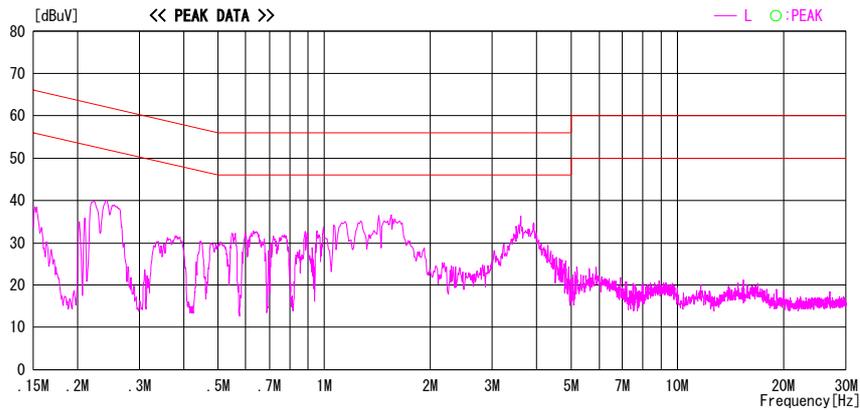
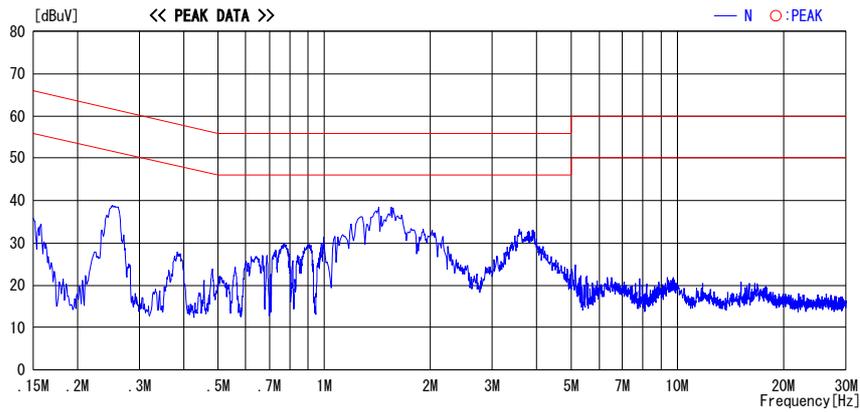


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/03

Company : Sharp Corporation
 Kind of EUT : Mobile Phone
 Model No. : FOMA SH906i
 Serial No. : 004401/11/110528/0

Report No. : 28GE0193-HO
 Power : AC 120V/60Hz
 Temp./Humi. : 25deg. C / 31%
 Operator : Takahiro Hatakeda

Mode / Remarks : BT Rx, 2441MHz

LIMIT : FCC15.207 QP
 FCC15.207 AV

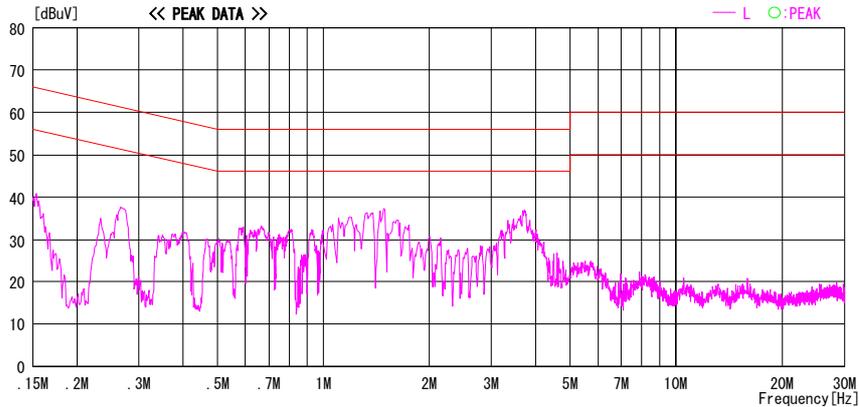
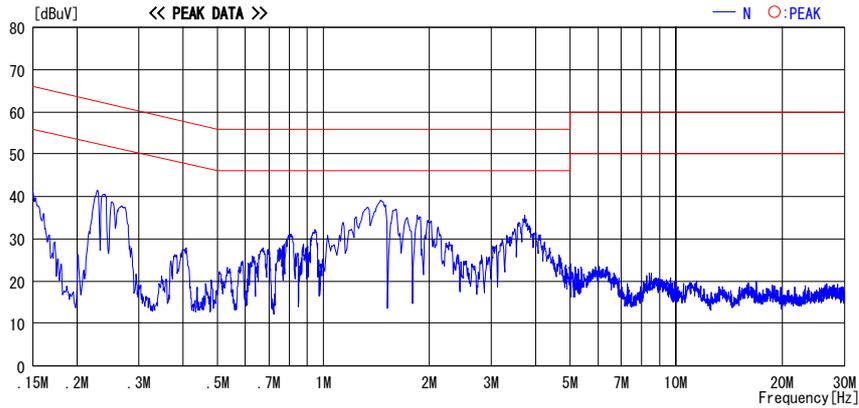


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

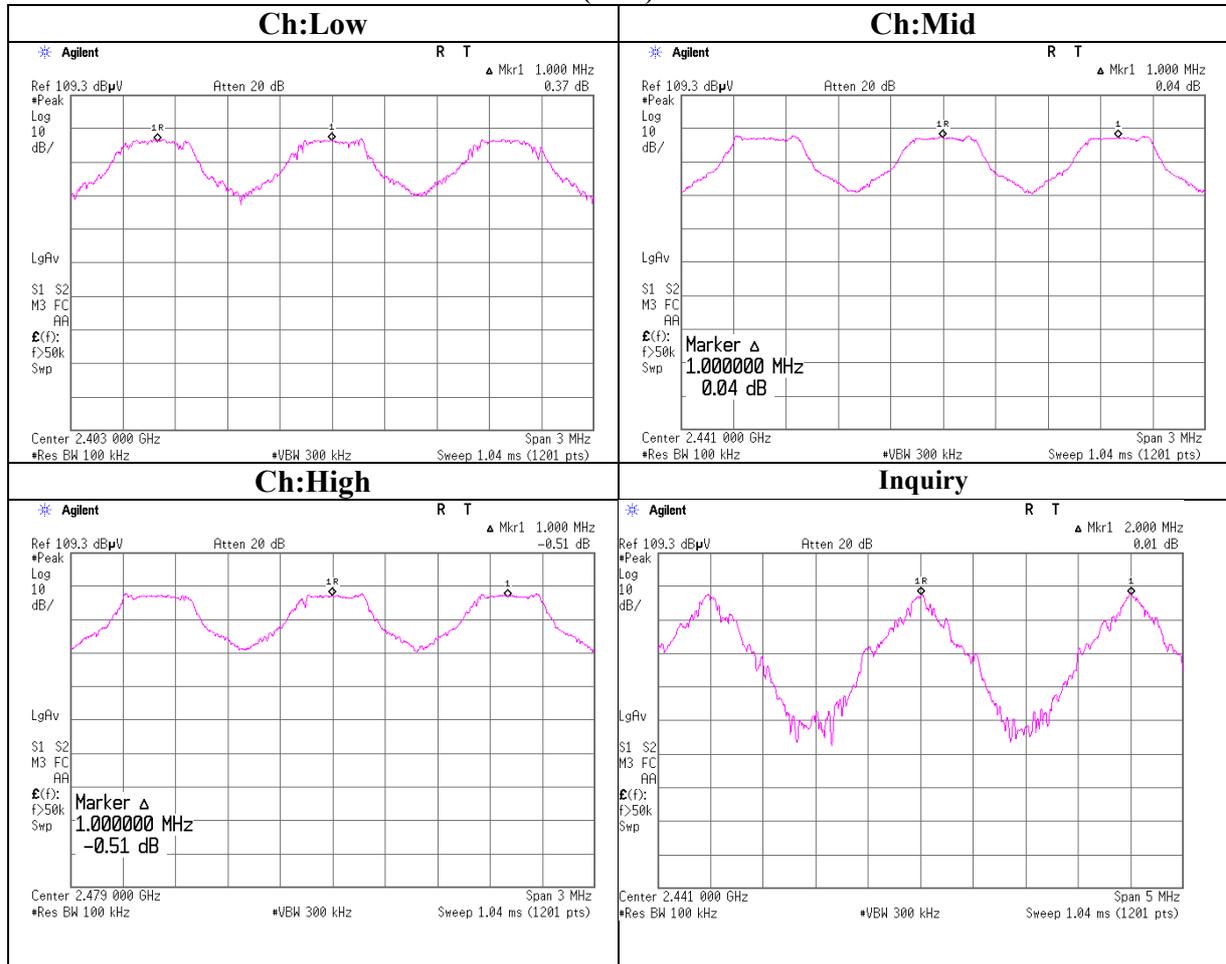
Carrier Frequency Separation
(DH5)

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

COMPANY	: Sharp Corporation	Test Report No.	: 28GE0193-HO
EQUIPMENT	: WCDMA Mobile & Tri-band (900/1800/1900)	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(b)
	GSM Dual mode Mobile Phone/	TEST DISTANCE	: -
	Felica Enable/Bluetooth Enable	DATE	: 04/01/2008
MODEL	: FOMA SH906i	TEMPERATURE	: 21deg.C
S/N	: 004401/11/110527/2	HUMIDITY	: 59%
POWER	: AC120V / 60Hz	ENGINEER	: Shinya Watanabe
MODE	: BT DH5, Tx(Hopping on)/Inquiry		

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	0.679 [MHz] (two-thirds of 20dB Bandwidth 1.018 [MHz]) or 25[kHz] (whichever is grater)
Mid	2441.0	1.000	0.679 [MHz] (two-thirds of 20dB Bandwidth 1.018 [MHz]) or 25[kHz] (whichever is grater)
High	2480.0	1.000	0.683 [MHz] (two-thirds of 20dB Bandwidth 1.025 [MHz]) or 25[kHz] (whichever is grater)
Inquiry	2441.0	2.000	0.695 [MHz] (two-thirds of 20dB Bandwidth 1.042 [MHz]) or 25[kHz] (whichever is grater)

**Carrier Frequency Separation
(DH5)**



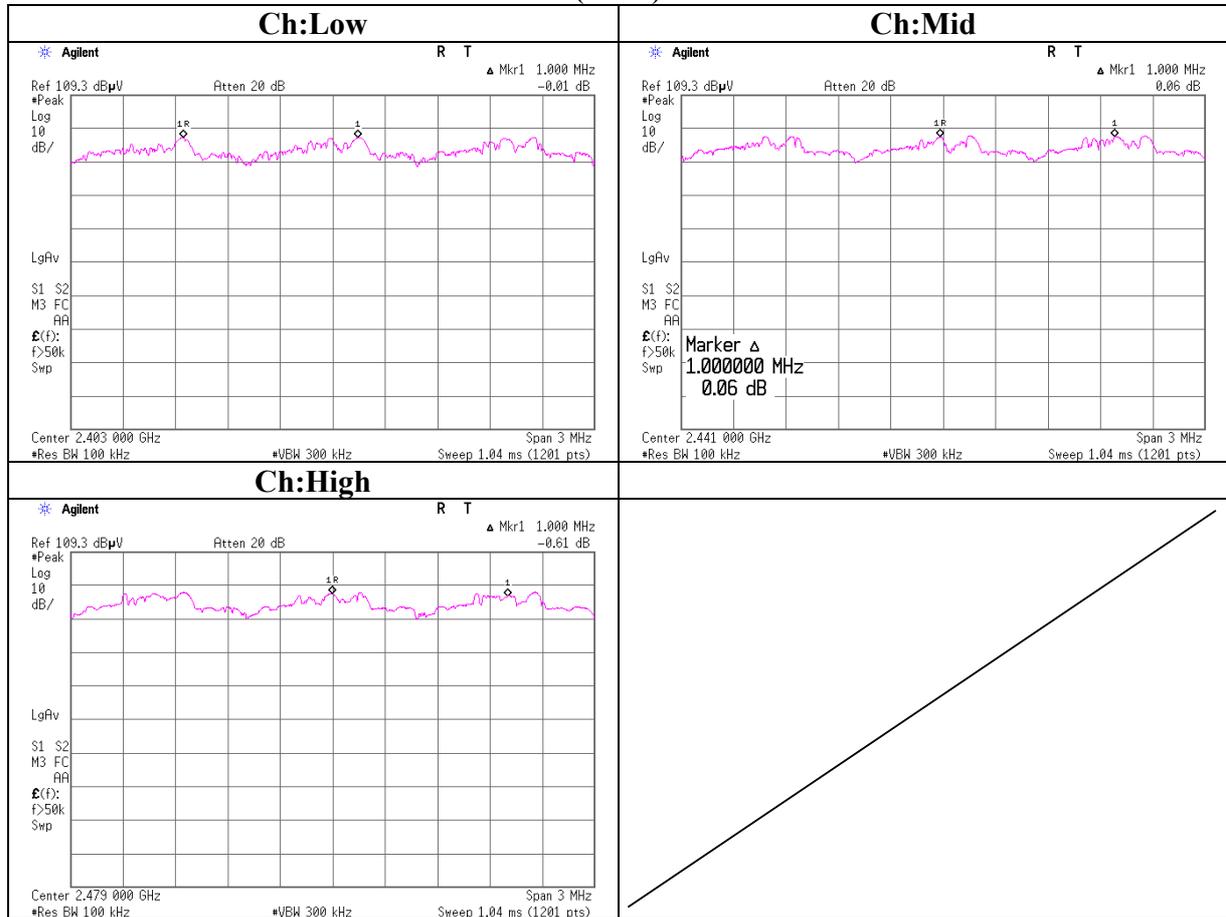
Carrier Frequency Separation
(3DH5)

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

COMPANY	: Sharp Corporation	Test Report No.	: 28GE0193-HO
EQUIPMENT	: WCDMA Mobile & Tri-band (900/1800/1900)	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(b)
	GSM Dual mode Mobile Phone/ Felica Enable/Bluetooth Enable	TEST DISTANCE	: -
MODEL	: FOMA SH906i	DATE	: 04/01/2008
S/ N	: 004401/11/110527/2	TEMPERATURE	: 21deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 59%
MODE	: BT 3DH5, Tx(Hopping on)	ENGINEER	: Shinya Watanabe

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	0.908 [MHz] (two-thirds of 20dB Bandwidth 1.362 [MHz])) or 25[kHz] (whichever is grater)
Mid	2441.0	1.000	0.907 [MHz] (two-thirds of 20dB Bandwidth 1.360 [MHz])) or 25[kHz] (whichever is grater)
High	2480.0	1.000	0.908 [MHz] (two-thirds of 20dB Bandwidth 1.362 [MHz])) or 25[kHz] (whichever is grater)

Carrier Frequency Separation
(3DH5)



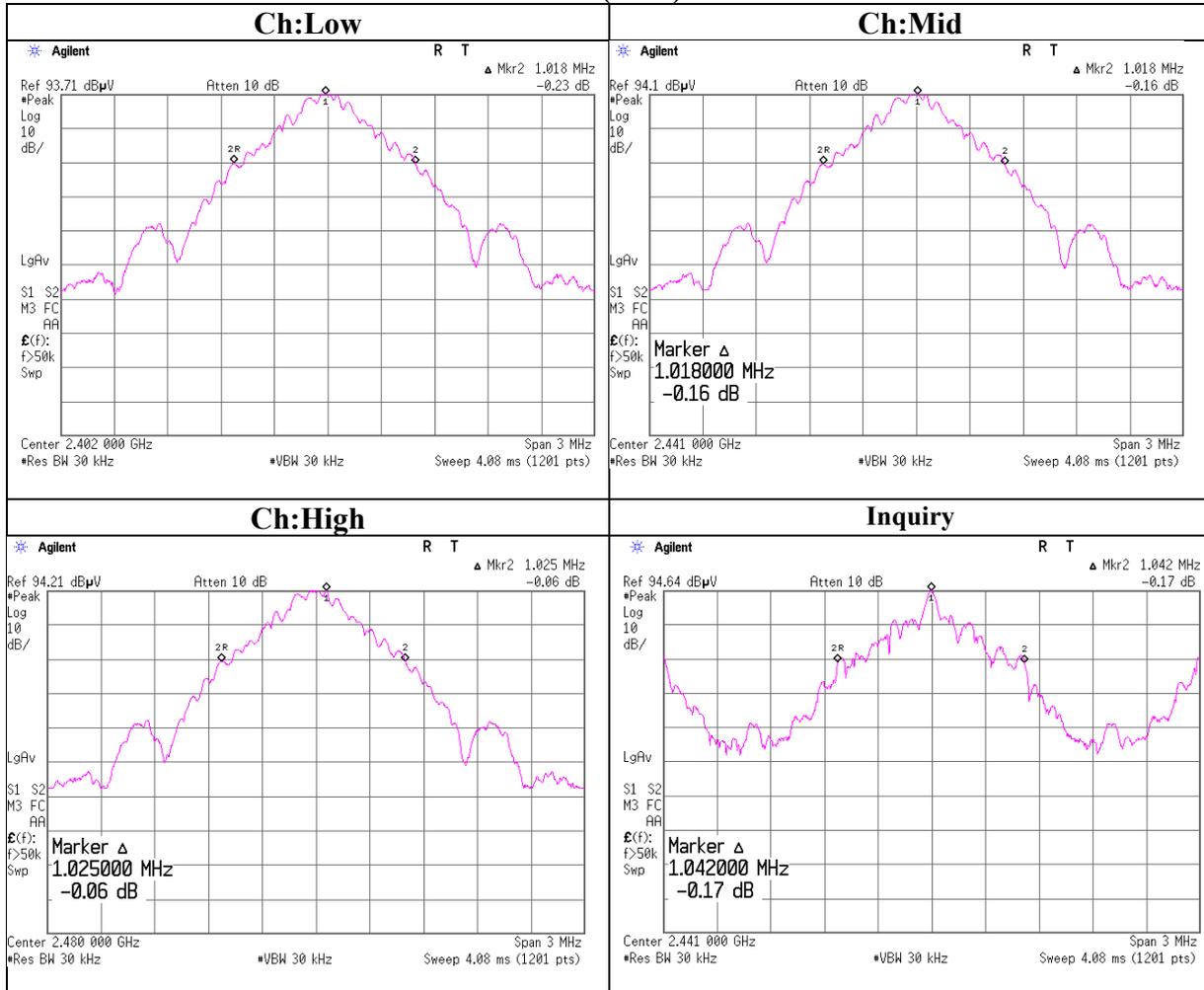
20dB Bandwidth
(DH5)

UL Japan, Inc.
Head Office EMC Lab. No.11 measurement room
Test Report No. : 28GE0193-HO
Regulation : FCC15.247(a)(1)/RSS-210A8.1(a)
Test distance : -
Date : 04/01/2008
Temperature : 21deg.C
Humidity : 59%
Engineer : Shinya Watanabe

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
Serial No. : 004401/11/110527/2
Power : AC120V / 60Hz
Mode : BT DH5, Tx (Hopping off) /Inquiry

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	1.018	-
Mid	2441.0	1.018	-
High	2480.0	1.025	-
Inquiry	2441.0	1.042	-

20dB Bandwidth
(DH5)



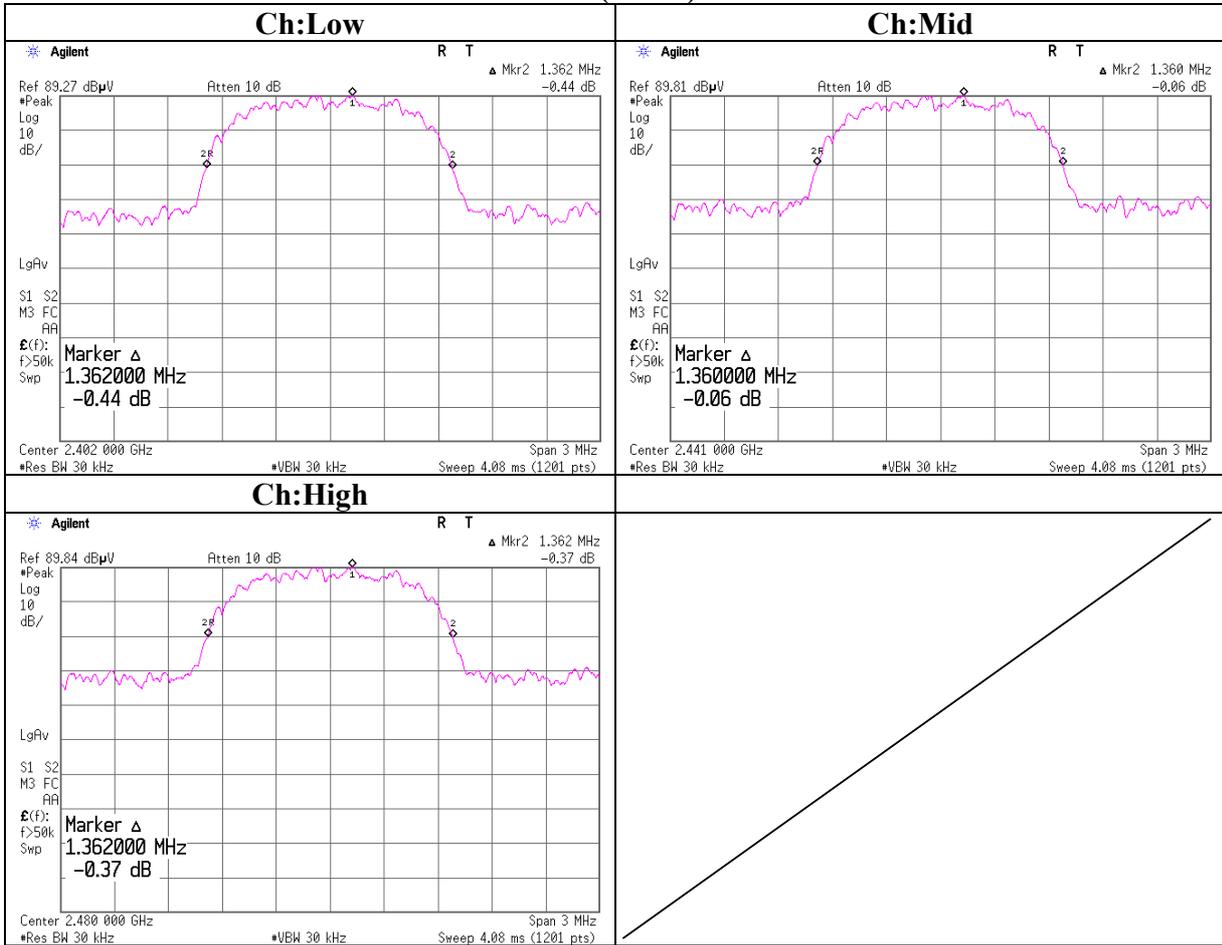
20dB Bandwidth
(3DH5)

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
 GSM Dual mode Mobile Phone/
 Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
Serial No. : 004401/11/110527/2
Power : AC120V / 60Hz
Mode : BT 3DH5, Tx (Hopping off)

UL Japan, Inc.
Head Office EMC Lab. No.11 measurement room
Test Report No. : 28GE0193-HO
Regulation : FCC15.247(a)(1)/RSS-210A8.1(a)
Test distance : -
Date : 04/01/2008
Temperature : 21deg.C
Humidity : 59%
Engineer : Shinya Watanabe

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	1.362	-
Mid	2441.0	1.360	-
High	2480.0	1.362	-

**20dB Bandwidth
(3DH5)**



Number of Hopping Frequency

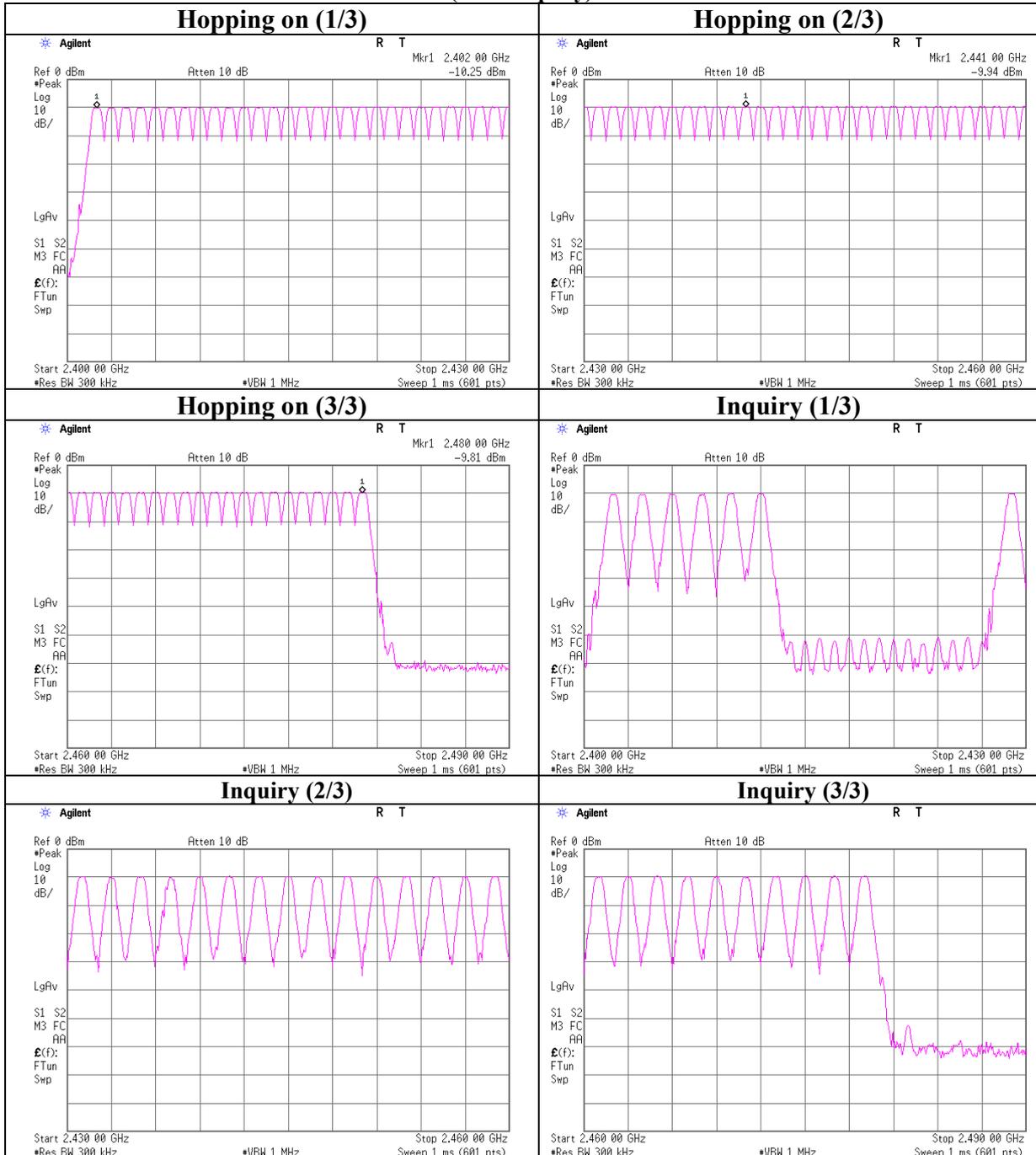
Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
 GSM Dual mode Mobile Phone/
 Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
Serial No. : 004401/11/110527/2
Power : AC120V / 60Hz
Mode : BT Tx (Hopping on)/Inquiry

UL Japan, Inc.
Head Office EMC Lab. No.11 Shielded Room
Test Report No. : 28GE0193-HO
Regulation : FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Test distance : -
Date : 04/02/2008
Temperature : 24deg.C
Humidity : 36%
Engineer : Takahiro Hatakeda

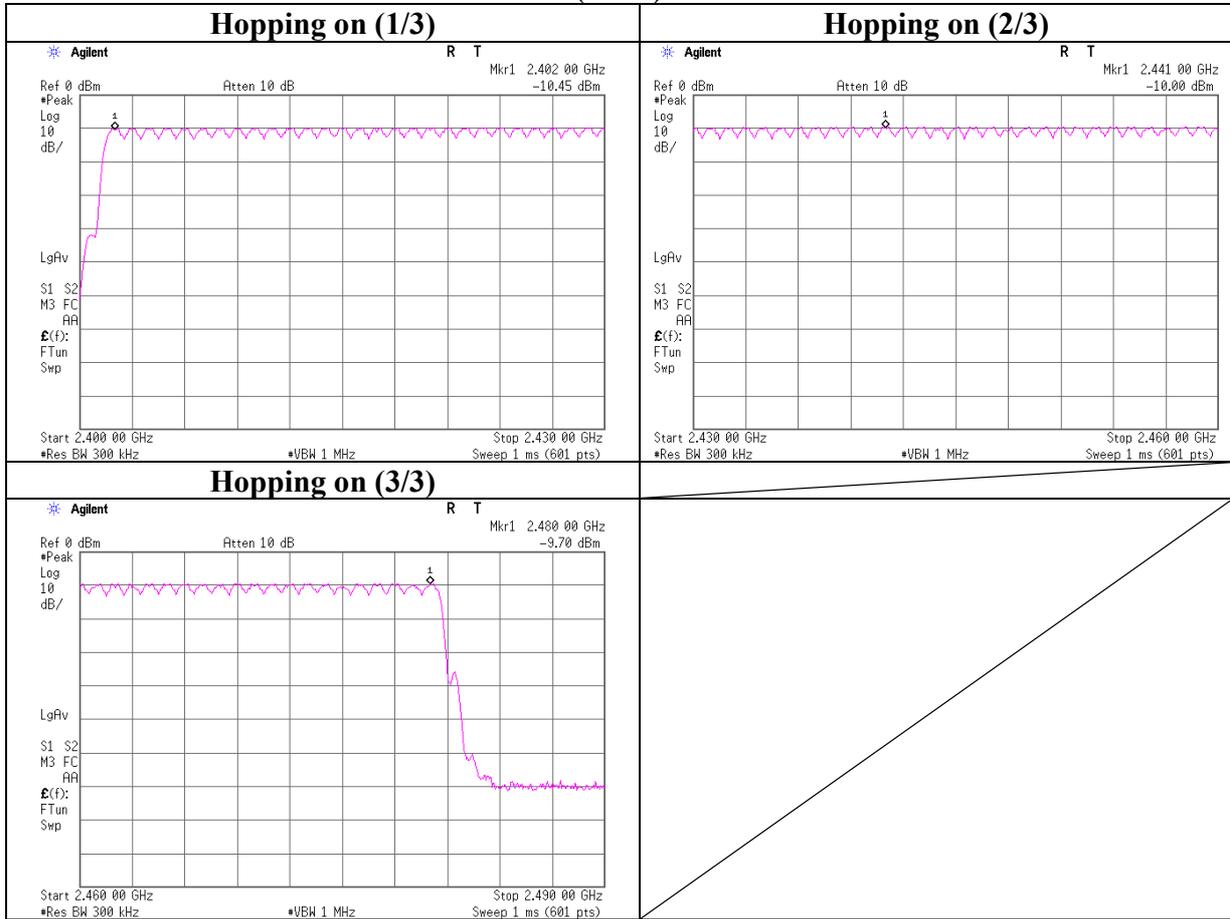
Mode	Number of channel [number]	Limit [time]
DH5	79	≥ 15
3DH5	79	≥ 15

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

**Number of Hopping Frequency
(DH5/Inquiry)**



**Number of Hopping Frequency
(3DH5)**



Dwell time

UL Japan, Inc.

Head Office EMC Lab. No.11 Shielded Room

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band (900/1800/1900)
 GSM Dual mode Mobile Phone/
 Felica Enable/Bluetooth Enable
Model No. : FOMA SH906i
Serial No. : 004401/11/110527/2
Power : AC120V / 60Hz
Mode : BT Tx (Hopping on)/Inquiry

Test Report No. : 28GE0193-HO
Regulation : FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Test distance : -
Date : 04/02/2008
Temperature : 24deg.C
Humidity : 36%
Engineer : Takahiro Hatakeda

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	52.8 times / 5 sec. x 31.6 sec. = 334 times	0.485	162	400
DH3	31.0 times / 5 sec. x 31.6 sec. = 196 times	1.720	337	400
DH5	16.6 times / 5 sec. x 31.6 sec. = 105 times	2.992	314	400
Inquiry	100.0 times / 1 sec. x 12.8 sec. = 1280 times	0.185	237	400

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
3DH1	53.0 times / 5 sec. x 31.6 sec. = 335 times	0.490	164	400
3DH3	28.6 times / 5 sec. x 31.6 sec. = 181 times	1.720	311	400
3DH5	18.2 times / 5 sec. x 31.6 sec. = 116 times	2.967	344	400

UL Japan, Inc.

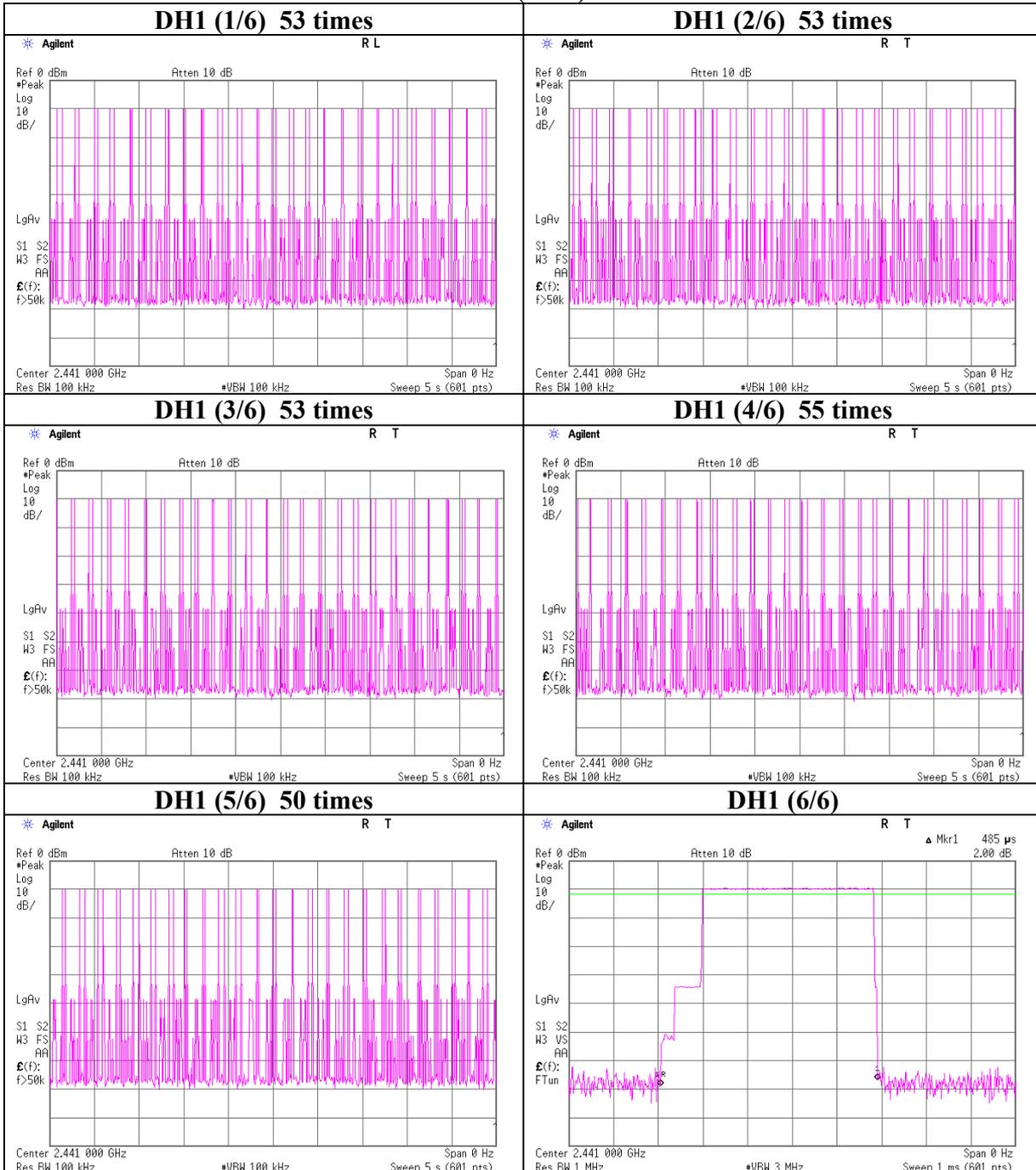
Head Office EMC Lab.

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

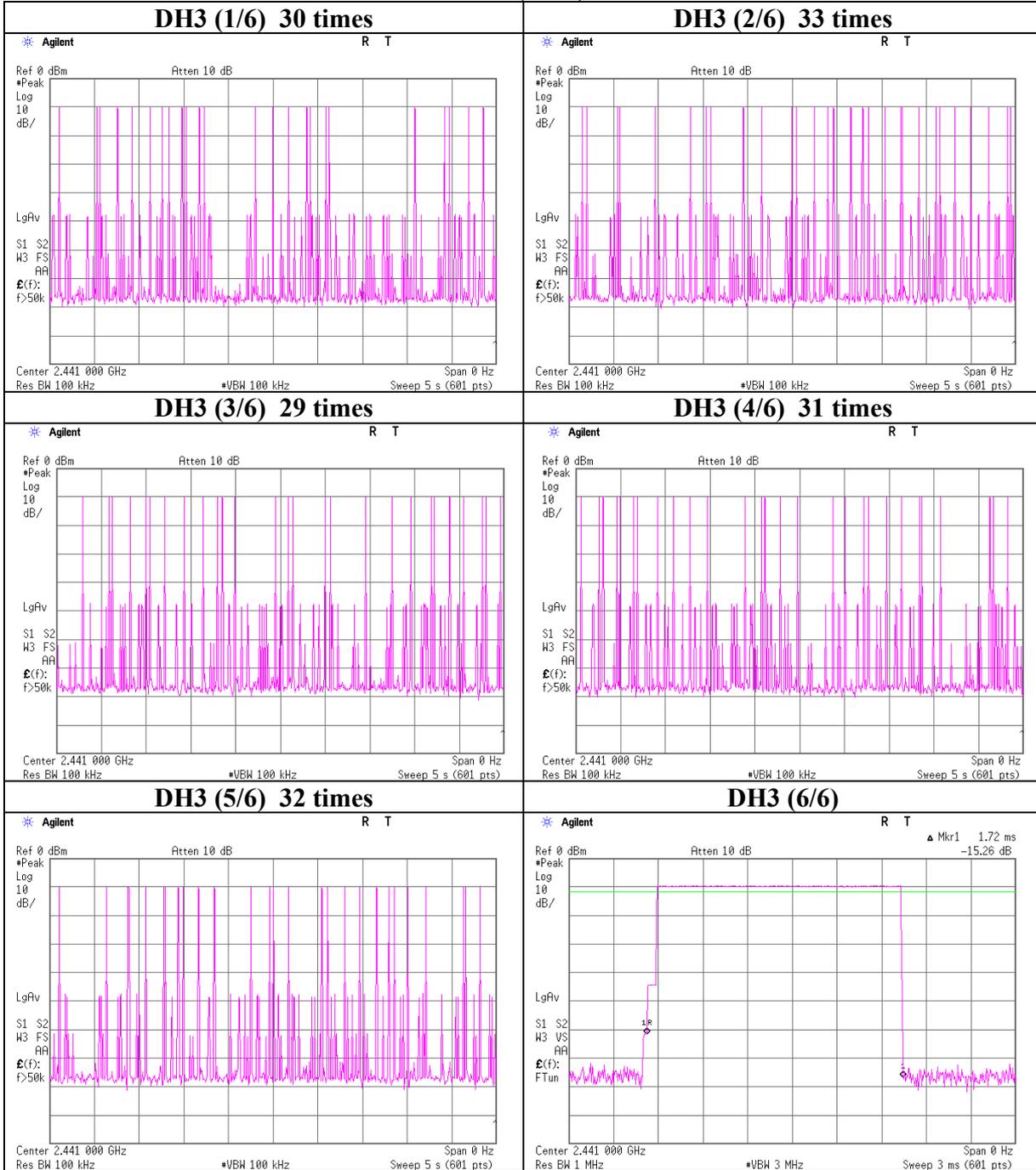
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

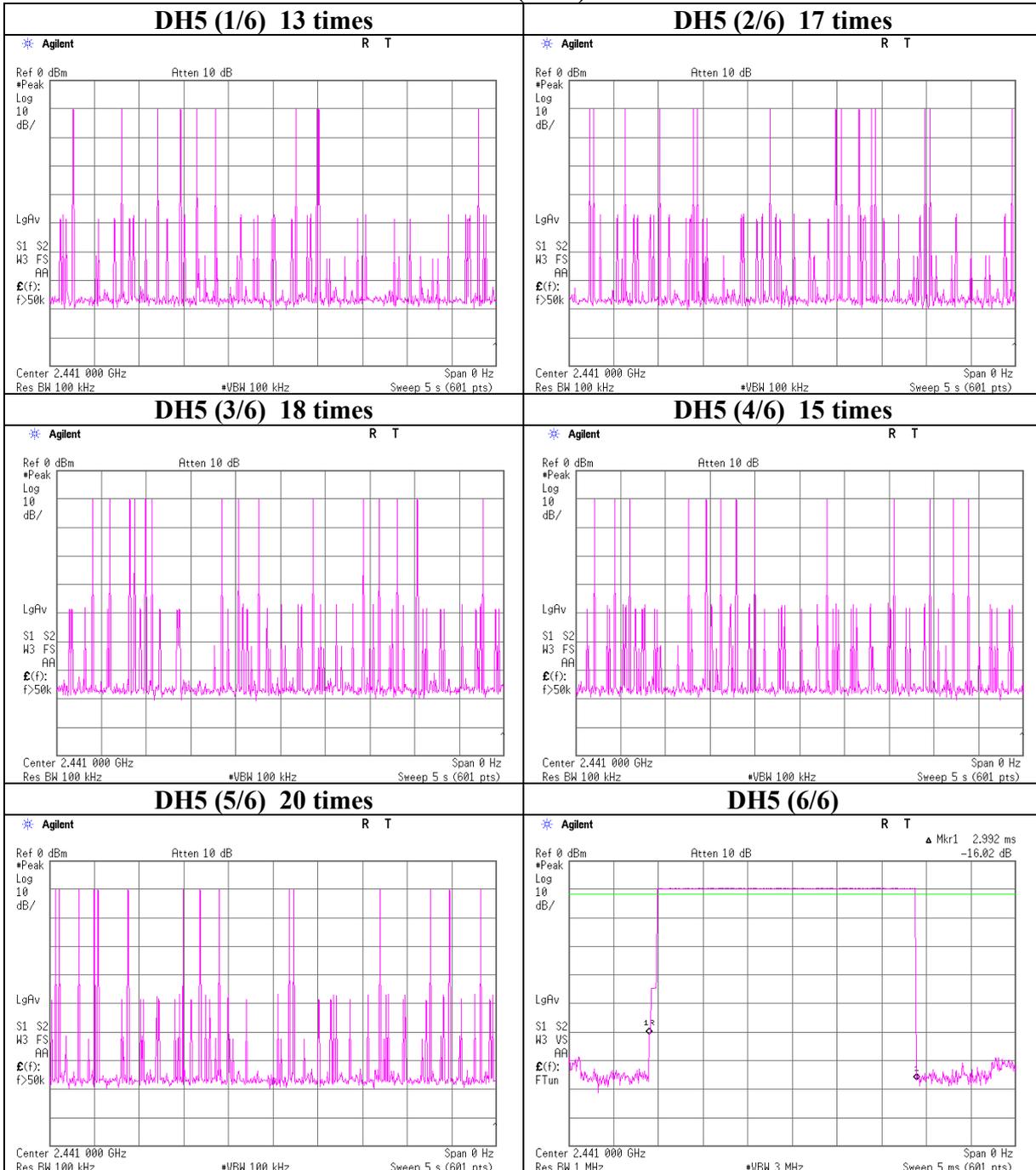
**Dwell time
(DH1)**



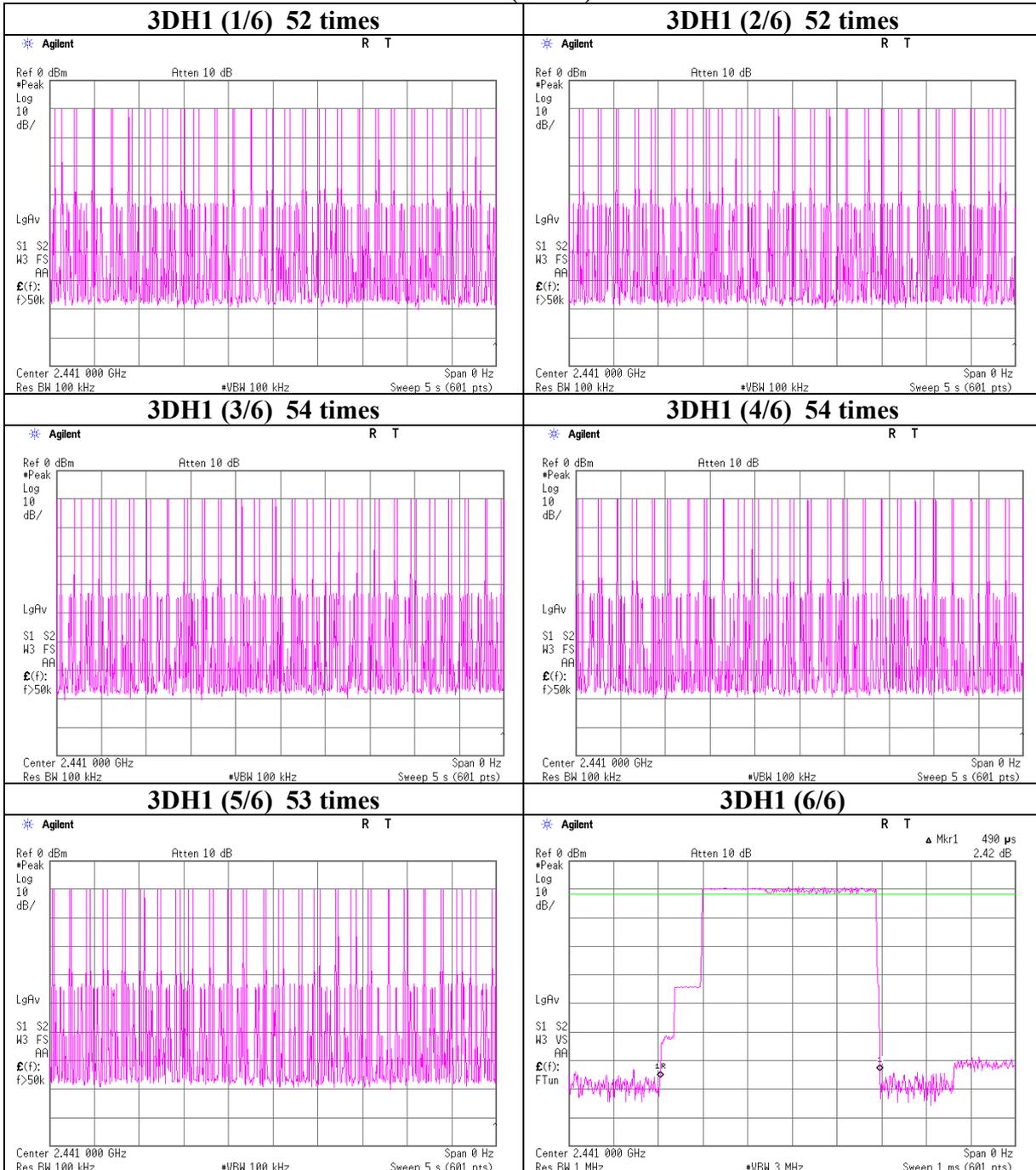
**Dwell time
(DH3)**



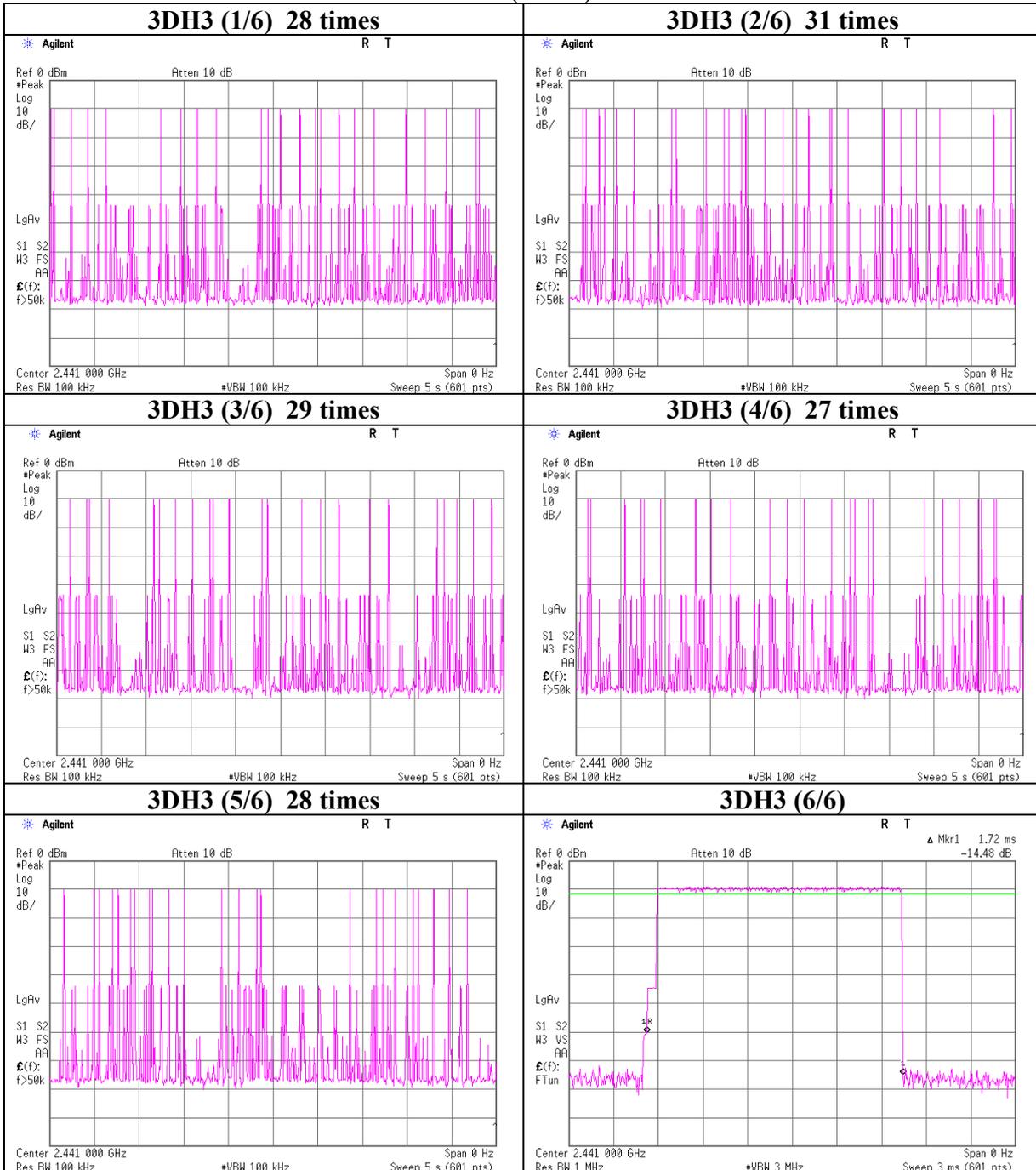
Dwell time
(DH5)



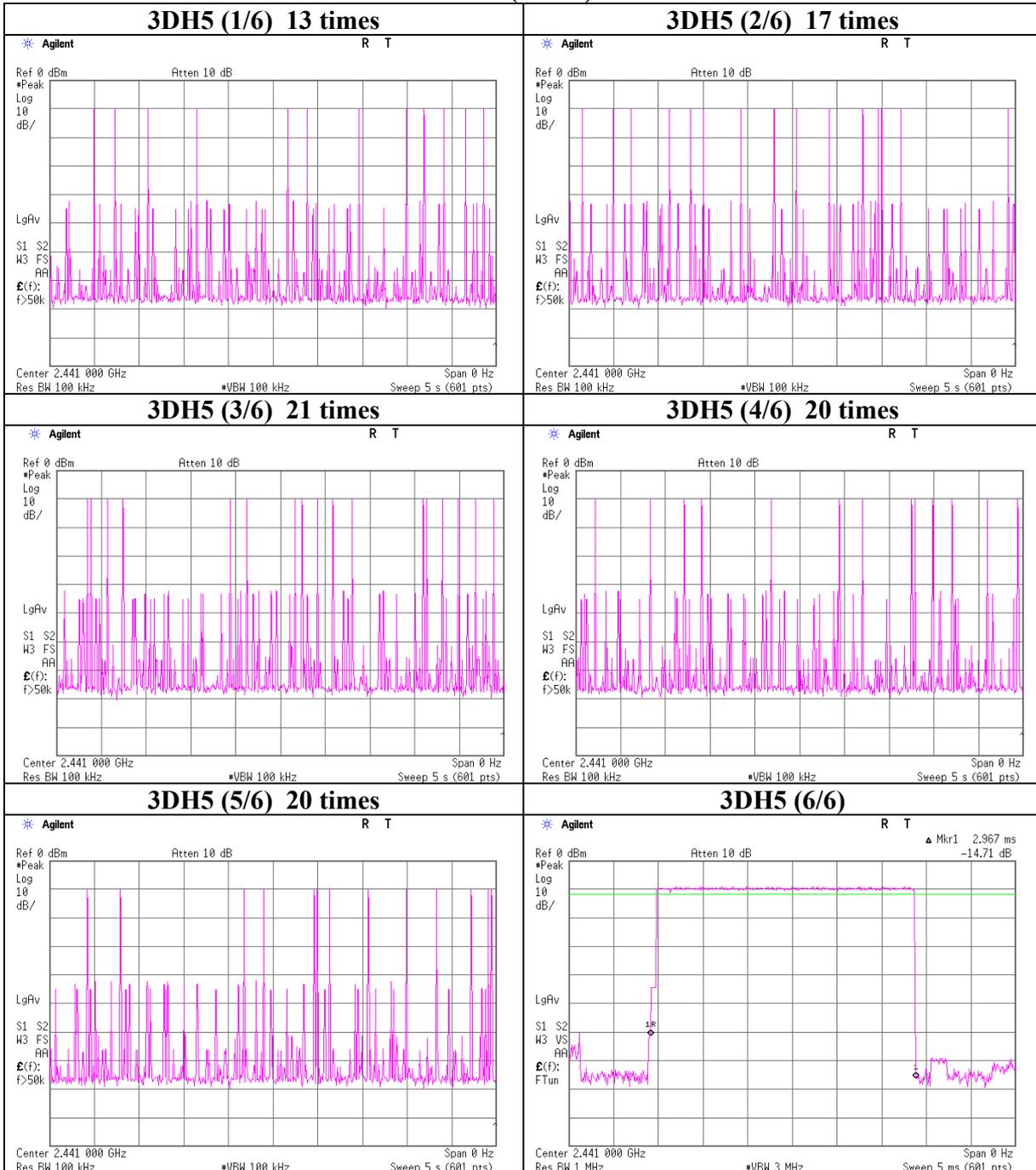
Dwell time
(3DH1)



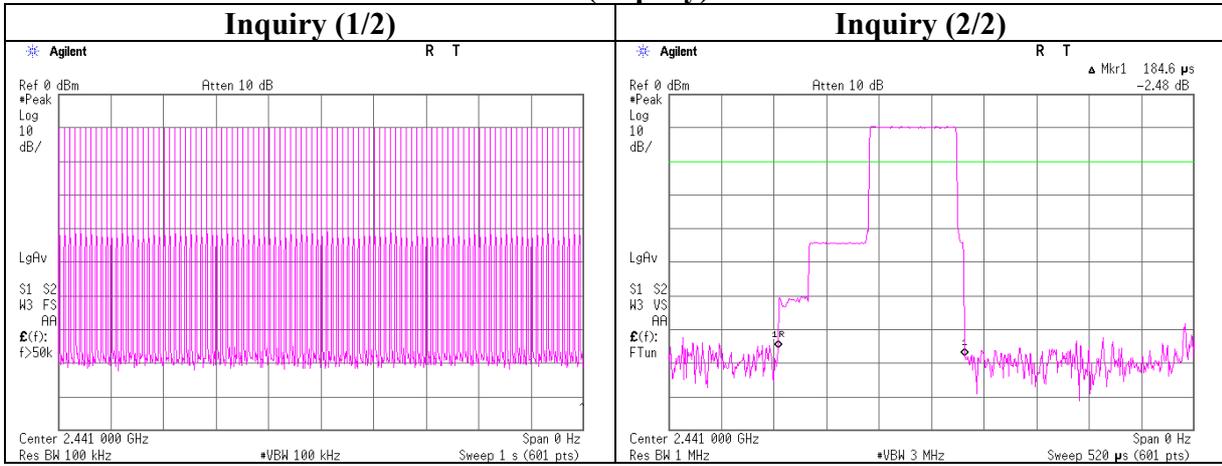
Dwell time
(3DH3)



Dwell time
(3DH5)



Dwell time
(Inquiry)



**Maximum Peak Output Power
(DH5)**

UL Japan, Inc.

Head Office EMC Lab. No.11 measurement room

Company	: Sharp Corporation	Test Report No.	: 28GE0193-HO
Equipment	: WCDMA Mobile & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone/ Felica Enable/Bluetooth Enable	Regulation	: FCC15.247(b)(1)/RSS-210A8.4(2)
Model No.	: FOMA SH906i	Test distance	: -
Serial No.	: 004401/11/110527/2	Date	: 04/01/2008
Power	: AC120V / 60Hz	Temperature	: 21deg.C
Mode	: BT DH5, Tx(Hopping Off)/Inquiry	Humidity	: 59%
		Engineer	: Shinya Watanabe

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-8.59	0.10	10.00	1.51	1.42	20.97	125	19.46
Mid	2441.0	-8.11	0.10	10.00	1.99	1.58	20.97	125	18.98
High	2480.0	-7.99	0.10	10.00	2.11	1.63	20.97	125	18.86
Inquiry	2441.0	-7.97	0.10	10.00	2.13	1.63	20.97	125	18.84

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.

UL Japan, Inc.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

**Maximum Peak Output Power
(2DH5)**

UL Japan, Inc.

Head Office EMC Lab. No.11 measurement room

Company : Sharp Corporation

Equipment : WCDMA Mobile & Tri-band (900/1800/1900)

GSM Dual mode Mobile Phone/

Felica Enable/Bluetooth Enable

Model No. : FOMA SH906i

Serial No. : 004401/11/110527/2

Power : AC120V / 60Hz

Mode : BT 2DH5, Tx(Hopping Off)

Test Report No. : 28GE0193-HO

Regulation : FCC15.247(b)(1)/RSS-210A8.4(2)

Test distance : -

Date : 04/01/2008

Temperature : 21deg.C

Humidity : 59%

Engineer : Shinya Watanabe

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-7.92	0.10	10.00	2.18	1.65	20.97	125	18.79
Mid	2441.0	-7.48	0.10	10.00	2.62	1.83	20.97	125	18.35
High	2480.0	-7.44	0.10	10.00	2.66	1.85	20.97	125	18.31

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.

UL Japan, Inc.

Head Office EMC Lab.

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

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Maximum Peak Output Power
(3DH5)

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

Company	: Sharp Corporation	Test Report No.	: 28GE0193-HO
Equipment	: WCDMA Mobile & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone/ Felica Enable/Bluetooth Enable	Regulation	: FCC15.247(b)(1)/RSS-210A8.4(2)
Model No.	: FOMA SH906i	Test distance	: -
Serial No.	: 004401/11/110527/2	Date	: 04/01/2008
Power	: AC120V / 60Hz	Temperature	: 21deg.C
Mode	: BT 3DH5, Tx(Hopping Off)	Humidity	: 59%
		Engineer	: Shinya Watanabe

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-7.75	0.10	10.00	2.35	1.72	20.97	125	18.62
Mid	2441.0	-7.32	0.10	10.00	2.78	1.90	20.97	125	18.19
High	2480.0	-7.15	0.10	10.00	2.95	1.97	20.97	125	18.02

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)
BT DH5, Tx, Ch. Low

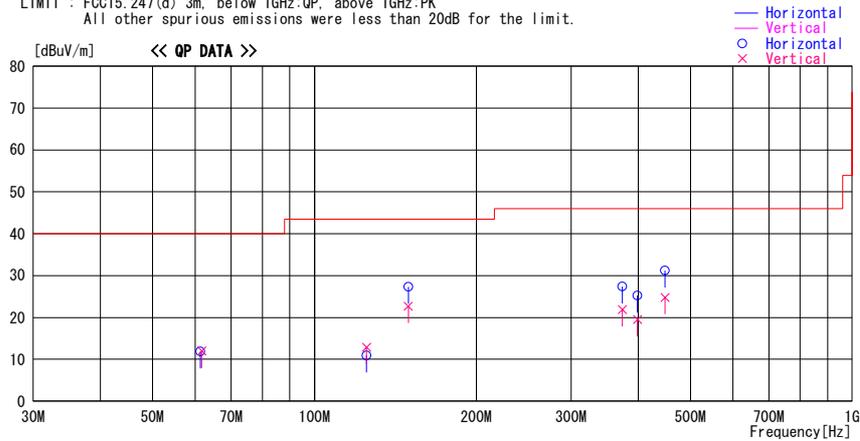
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation Report No. : 28GE0193-HO
Kind of EUT : Mobile Phone Power : DC 3.7V (Lithium-ion battery)
Model No. : FOMA SH906i Temp./Humi. : 22deg. C. / 35%
Serial No. : 004401/11/110528/0 Operator : Takayuki Shimada

Mode / Remarks : BT Tx DH5 2402MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
61.320	28.7	QP	7.6	-24.4	11.9	299	324	Hori.	40.0	28.1
61.750	28.8	QP	7.6	-24.4	12.0	293	347	Vert.	40.0	28.0
125.000	21.4	QP	13.1	-23.6	10.9	0	300	Hori.	43.5	32.6
125.000	23.4	QP	13.1	-23.6	12.9	359	137	Vert.	43.5	30.6
149.500	35.8	QP	14.9	-23.4	27.3	359	234	Hori.	43.5	16.2
149.500	31.2	QP	14.9	-23.4	22.7	319	235	Vert.	43.5	20.8
373.754	32.3	QP	16.7	-21.6	27.4	93	100	Hori.	46.0	18.6
373.754	26.8	QP	16.7	-21.6	21.9	77	286	Vert.	46.0	24.1
398.672	29.3	QP	17.3	-21.4	25.2	81	100	Hori.	46.0	20.8
398.672	23.6	QP	17.3	-21.4	19.5	78	275	Vert.	46.0	26.5
448.508	34.6	QP	17.7	-21.1	31.2	297	100	Hori.	46.0	14.8
448.506	28.2	QP	17.7	-21.1	24.8	104	221	Vert.	46.0	21.2

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)

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

Radiated Spurious Emission (below 1GHz)
BT DH5, Tx, Ch. Mid

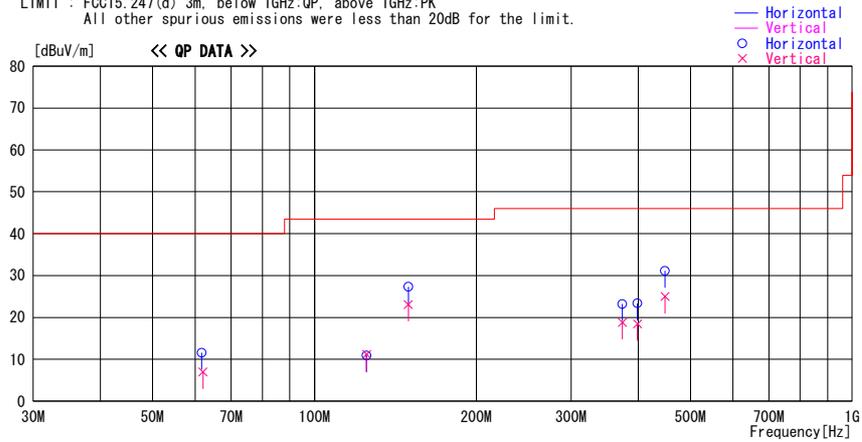
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-H0
Power : DC 3.7V (Lithium-ion battery)
Temp./Humi. : 22deg.C. / 35%
Operator : Takayuki Shimada

Mode / Remarks : BT Tx DH5 2441MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
61.719	28.4	QP	7.6	-24.4	11.6	290	335	Hori.	40.0	28.4
62.071	23.9	QP	7.5	-24.4	7.0	4	258	Vert.	40.0	33.0
125.000	21.4	QP	13.1	-23.6	10.9	0	300	Hori.	43.5	32.6
125.000	21.7	QP	13.1	-23.6	11.2	0	100	Vert.	43.5	32.3
149.500	35.8	QP	14.9	-23.4	27.3	0	236	Hori.	43.5	16.2
149.513	31.6	QP	14.9	-23.4	23.1	307	213	Vert.	43.5	20.4
373.748	28.1	QP	16.7	-21.6	23.2	88	100	Hori.	46.0	22.8
373.751	23.7	QP	16.7	-21.6	18.8	331	221	Vert.	46.0	27.2
398.676	27.5	QP	17.3	-21.4	23.4	38	100	Hori.	46.0	22.6
398.674	22.6	QP	17.3	-21.4	18.5	348	213	Vert.	46.0	27.5
448.500	34.5	QP	17.7	-21.1	31.1	297	100	Hori.	46.0	14.9
448.509	28.4	QP	17.7	-21.1	25.0	109	228	Vert.	46.0	21.0

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)

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

Radiated Spurious Emission (below 1GHz)
BT DH5, Tx, Ch. High

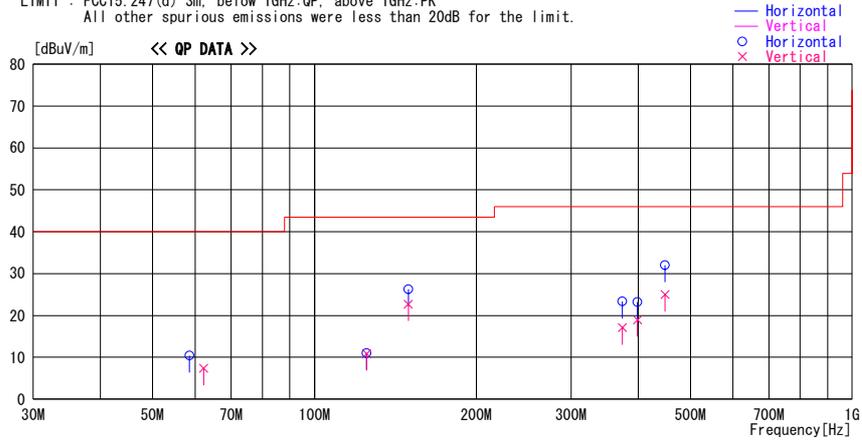
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-HO
Power : DC 3.7V (Lithium-ion battery)
Temp./Humi. : 22deg. C. / 35%
Operator : Takayuki Shimada

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

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
58.520	26.8	QP	8.1	-24.5	10.4	303	335	Hori.	40.0	29.6
62.249	24.3	QP	7.5	-24.4	7.4	7	350	Vert.	40.0	32.6
125.000	21.5	QP	13.1	-23.6	11.0	282	192	Hori.	43.5	32.5
125.041	21.4	QP	13.1	-23.6	10.9	359	0	Vert.	43.5	32.6
149.500	34.8	QP	14.9	-23.4	26.3	359	226	Hori.	43.5	17.2
149.510	31.2	QP	14.9	-23.4	22.7	311	205	Vert.	43.5	20.8
373.747	28.3	QP	16.7	-21.6	23.4	88	100	Hori.	46.0	22.6
373.676	22.0	QP	16.7	-21.6	17.1	66	219	Vert.	46.0	28.9
398.676	27.3	QP	17.3	-21.4	23.2	125	100	Hori.	46.0	22.8
398.685	23.1	QP	17.3	-21.4	19.0	340	209	Vert.	46.0	27.0
448.500	35.4	QP	17.7	-21.1	32.0	39	100	Hori.	46.0	14.0
448.509	28.4	QP	17.7	-21.1	25.0	109	228	Vert.	46.0	21.0

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)

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

Radiated Spurious Emission (below 1GHz)
BT 3DH5, Tx, Ch. Low

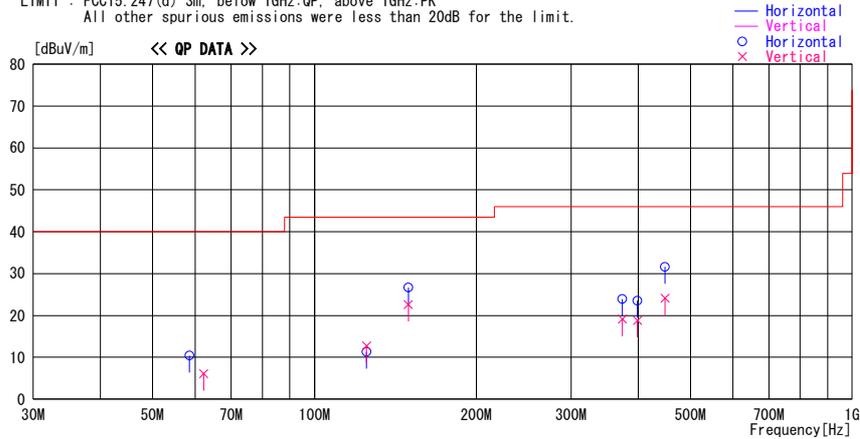
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation Report No. : 28GE0193-HO
Kind of EUT : Mobile Phone Power : DC 3.7V (Lithium-ion battery)
Model No. : FOMA SH906i Temp./Humi. : 22deg. C. / 35%
Serial No. : 004401/11/110528/0 Operator : Takayuki Shimada

Mode / Remarks : BT Tx 3DH5 2402MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
58.520	26.8	QP	8.1	-24.5	10.4	306	362	Hori.	40.0	29.6
62.255	23.0	QP	7.5	-24.4	6.1	354	239	Vert.	40.0	33.9
125.003	21.8	QP	13.1	-23.6	11.3	255	312	Hori.	43.5	32.2
125.031	23.2	QP	13.1	-23.6	12.7	359	122	Vert.	43.5	30.8
149.513	35.2	QP	14.9	-23.4	26.7	359	233	Hori.	43.5	16.8
149.503	31.1	QP	14.9	-23.4	22.6	315	234	Vert.	43.5	20.9
373.748	28.8	QP	16.7	-21.6	23.9	50	100	Hori.	46.0	22.1
373.763	24.0	QP	16.7	-21.6	19.1	75	294	Vert.	46.0	26.9
398.667	27.6	QP	17.3	-21.4	23.5	126	100	Hori.	46.0	22.5
398.667	22.9	QP	17.3	-21.4	18.8	295	247	Vert.	46.0	27.2
448.500	35.0	QP	17.7	-21.1	31.6	38	100	Hori.	46.0	14.4
448.511	27.5	QP	17.7	-21.1	24.1	105	247	Vert.	46.0	21.9

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)

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

Radiated Spurious Emission (below 1GHz)
BT 3DH5, Tx, Ch. Mid

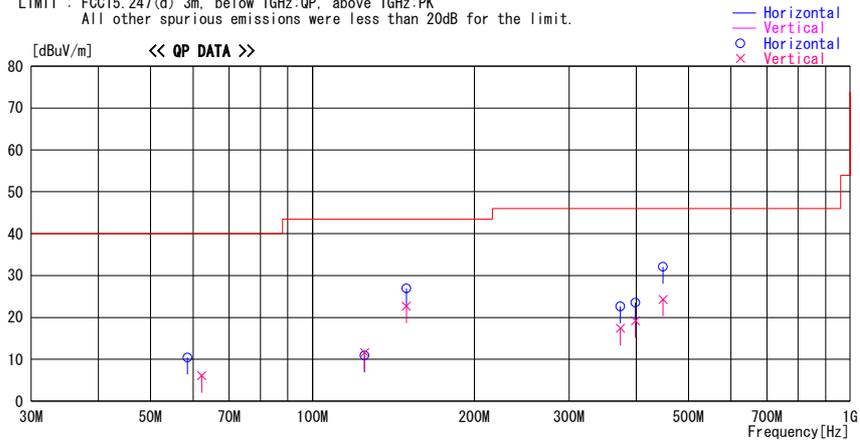
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-H0
Power : DC 3.7V (Lithium-ion battery)
Temp./Humi. : 22deg.C. / 35%
Operator : Takayuki Shimada

Mode / Remarks : BT Tx 3DH5 2441MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
58.516	26.8	QP	8.1	-24.5	10.4	305	362	Hori.	40.0	29.6
62.255	23.0	QP	7.5	-24.4	6.1	354	239	Vert.	40.0	33.9
125.000	21.4	QP	13.1	-23.6	10.9	289	237	Hori.	43.5	32.6
125.031	22.1	QP	13.1	-23.6	11.6	359	100	Vert.	43.5	31.9
149.510	35.4	QP	14.9	-23.4	26.9	359	236	Hori.	43.5	16.6
149.500	31.2	QP	14.9	-23.4	22.7	315	241	Vert.	43.5	20.8
373.746	27.5	QP	16.7	-21.6	22.6	86	100	Hori.	46.0	23.4
373.686	22.3	QP	16.7	-21.6	17.4	80	295	Vert.	46.0	28.6
398.667	27.6	QP	17.3	-21.4	23.5	124	100	Hori.	46.0	22.5
398.667	23.3	QP	17.3	-21.4	19.2	299	259	Vert.	46.0	26.8
448.513	35.5	QP	17.7	-21.1	32.1	42	100	Hori.	46.0	13.9
448.502	27.7	QP	17.7	-21.1	24.3	106	222	Vert.	46.0	21.7

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)

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

Radiated Spurious Emission (below 1GHz)
BT 3DH5, Tx, Ch. High

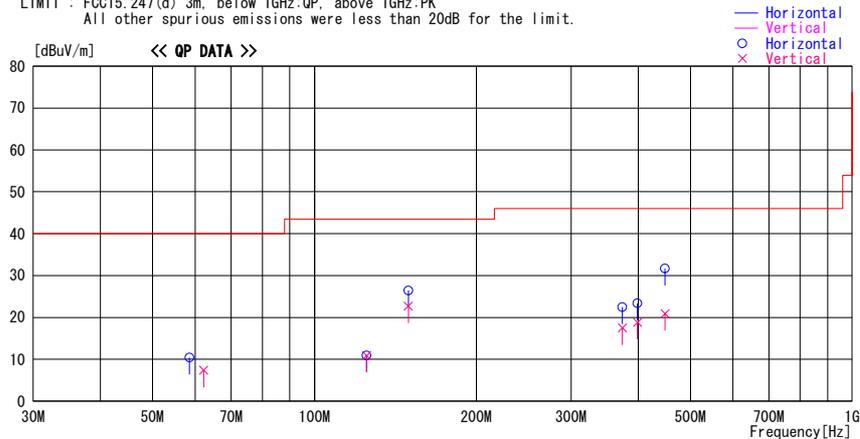
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-H0
Power : DC 3.7V (Lithium-ion battery)
Temp./Humi. : 22deg.C. / 35%
Operator : Takayuki Shimada

Mode / Remarks : BT Tx 3DH5 2480MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
58.513	26.8	QP	8.1	-24.5	10.4	301	387	Hori.	40.0	29.6
62.255	24.3	QP	7.5	-24.4	7.4	356	239	Vert.	40.0	32.6
125.000	21.4	QP	13.1	-23.6	10.9	285	299	Hori.	43.5	32.6
125.041	21.4	QP	13.1	-23.6	10.9	359	100	Vert.	43.5	32.6
149.500	34.9	QP	14.9	-23.4	26.4	359	234	Hori.	43.5	17.1
149.510	31.2	QP	14.9	-23.4	22.7	312	216	Vert.	43.5	20.8
373.751	27.4	QP	16.7	-21.6	22.5	89	100	Hori.	46.0	23.5
373.682	22.4	QP	16.7	-21.6	17.5	82	291	Vert.	46.0	28.5
398.667	27.5	QP	17.3	-21.4	23.4	123	100	Hori.	46.0	22.6
398.677	22.9	QP	17.3	-21.4	18.8	300	246	Vert.	46.0	27.2
448.512	35.1	QP	17.7	-21.1	31.7	40	100	Hori.	46.0	14.3
448.510	24.3	QP	17.7	-21.1	20.9	188	270	Vert.	46.0	25.1

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)

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

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

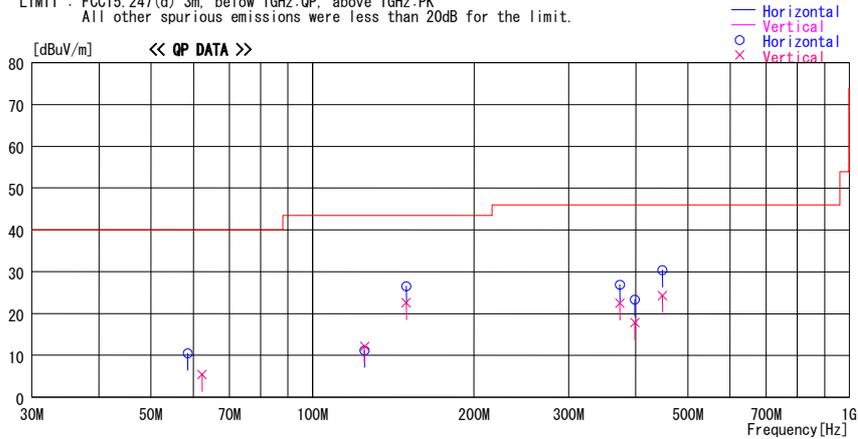
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/04/02

Company : Sharp Corporation
Kind of EUT : Mobile Phone
Model No. : FOMA SH906i
Serial No. : 004401/11/110528/0
Report No. : 28GE0193-HO
Power : DC 3.7V (Lithium-ion battery)
Temp./Humi. : 22deg.C / 35%
Operator : Takayuki Shimada

Mode / Remarks : BT RX 2441MHz, Worst-axis(Hori:X, Vert:Z)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain					[dBuV/m]	[dB]
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
58.511	26.9	QP	8.1	-24.5	10.5	294	365	Hori.	40.0	29.5
62.255	22.3	QP	7.5	-24.4	5.4	354	300	Vert.	40.0	34.6
125.007	21.7	QP	13.1	-23.6	11.2	255	312	Hori.	43.5	32.3
125.010	22.7	QP	13.1	-23.6	12.2	359	166	Vert.	43.5	31.3
149.501	35.0	QP	14.9	-23.4	26.5	359	239	Hori.	43.5	17.0
149.514	31.1	QP	14.9	-23.4	22.6	320	230	Vert.	43.5	20.9
373.755	31.8	QP	16.7	-21.6	26.9	226	100	Hori.	46.0	19.1
373.763	27.4	QP	16.7	-21.6	22.5	75	282	Vert.	46.0	23.5
398.667	27.5	QP	17.3	-21.4	23.4	122	100	Hori.	46.0	22.6
398.561	21.9	QP	17.3	-21.4	17.8	289	287	Vert.	46.0	28.2
448.500	33.8	QP	17.7	-21.1	30.4	106	223	Hori.	46.0	15.6
448.511	27.7	QP	17.7	-21.1	24.3	112	226	Vert.	46.0	21.7

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)

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

Radiated Spurious Emission (above 1GHz)
BT DH5, Tx, Ch. Low

UL Japan, Inc.

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT DH5, Tx 2402MHz
Position : H: X-axis, V: Z-axis

Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [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	2390.00	45.6	44.8	27.3	32.8	2.6	0.0	-	42.7	41.9	73.9	31.2	32.0
2**	2400.00	75.3	72.4	27.3	32.8	2.6	0.0	-	72.4	69.5	-	-	-
3	4804.00	40.7	41.3	31.5	30.7	4.1	0.8	-	46.4	47.0	73.9	27.5	26.9
4	7206.00	41.5	41.6	35.8	31.4	4.6	0.7	-	51.2	51.3	73.9	22.7	22.6
5	9608.00	42.7	41.9	38.2	32.0	5.4	1.1	-	55.4	54.6	73.9	18.5	19.3
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	46.6	38.7	31.2	7.7	0.0	-	52.2	52.3	73.9	21.7	21.6

** 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]	Dwell Factor [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	2390.00	35.0	33.4	27.3	32.8	2.6	0.0	-	32.1	30.5	53.9	21.8	23.4
2**	2400.00	72.3	69.9	27.3	32.8	2.6	0.0	-24.8	44.6	42.2	-	-	-
3	4804.00	29.4	29.5	31.5	30.7	4.1	0.8	-24.8	10.3	10.4	53.9	43.6	43.5
4	7206.00	30.2	30.2	35.8	31.4	4.6	0.7	-24.8	15.1	15.1	53.9	38.8	38.8
5	9608.00	31.3	31.2	38.2	32.0	5.4	1.1	-24.8	19.2	19.1	53.9	34.7	34.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12010.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
7	14412.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
8	16814.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
9	19216.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
10	21618.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
11	24020.00	34.9	35.0	38.7	31.2	7.7	0.0	-24.8	15.8	15.9	53.9	38.1	38.0

** 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]	Dwell Factor [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
0	2402.00	99.8	96.9	27.3	32.8	2.7	0.0	-	97.0	94.1	-	-	-
2	2400.00	41.0	38.2	27.3	32.8	2.6	0.0	-	38.1	35.3	Funda-20dB	38.9	38.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB

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

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

*Dwell time factor = 20log (Dwell time / 100ms) = 20log (5.75*10^-3 / 100*10^-3) = -24.8 dB

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

*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.

*NS: Non Signal

UL Japan, Inc.

Head Office EMC Lab.

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Telephone : +81 596 24 8116

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Radiated Spurious Emission (above 1GHz)
BT DH5, Tx, Ch. Mid

UL Japan, Inc.

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT DH5, Tx 2441MHz
Position : H: X-axis, V: Z-axis

Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [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	40.3	40.8	31.7	30.6	4.1	0.8	-	46.3	46.8	73.9	27.6	27.1
2	7323.00	41.1	41.4	35.9	31.4	4.6	0.7	-	50.9	51.2	73.9	23.0	22.7
3	9764.00	42.0	42.1	38.2	32.1	5.5	1.2	-	54.8	54.9	73.9	19.1	19.0
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	45.9	46.1	38.8	30.6	7.7	0.0	-	52.3	52.5	73.9	21.6	21.4

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]	Dwell Factor [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	28.7	28.7	31.7	30.6	4.1	0.8	-24.8	9.9	9.9	53.9	44.0	44.0
2	7323.00	29.8	29.9	35.9	31.4	4.6	0.7	-24.8	14.8	14.9	53.9	39.1	39.0
3	9764.00	31.4	31.2	38.2	32.1	5.5	1.2	-24.8	19.4	19.2	53.9	34.5	34.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
4	12205.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
5	14646.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
6	17087.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
7	19528.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
8	21969.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
9	24410.00	35.3	35.3	38.8	30.6	7.7	0.0	-24.8	16.9	16.9	53.9	37.0	37.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*Dwell time factor = 20log (Dwell time / 100ms) = 20log (5.75*10^-3 / 100*10^-3) = -24.8 dB
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*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.
*NS: Non Signal

Radiated Spurious Emission (above 1GHz)
BT DH5, Tx, Ch. High

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable

Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m

Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT DH5, Tx 2480MHz
Position : H: X-axis, V: Z-axis

Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [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	58.0	55.5	27.4	32.8	2.7	0.0	-	55.3	52.8	73.9	18.6	21.1
2	4960.00	40.0	40.7	31.8	30.6	4.1	0.8	-	46.1	46.8	73.9	27.8	27.1
3	7440.00	41.9	41.8	36.1	31.4	4.7	0.7	-	52.0	51.9	73.9	21.9	22.0
4	9920.00	42.9	43.1	38.2	32.2	5.5	1.2	-	55.6	55.8	73.9	18.3	18.1
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	46.0	46.1	38.9	29.9	7.8	0.0	-	53.3	53.4	73.9	20.6	20.5

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]	Dwell Factor [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	56.3	53.7	27.4	32.8	2.7	0.0	-24.8	28.8	26.2	53.9	25.1	27.7
2	4960.00	28.8	28.6	31.8	30.6	4.1	0.8	-24.8	10.1	9.9	53.9	43.8	44.0
3	7440.00	30.9	30.5	36.1	31.4	4.7	0.7	-24.8	16.2	15.8	53.9	37.7	38.1
4	9920.00	31.8	31.8	38.2	32.2	5.5	1.2	-24.8	19.7	19.7	53.9	34.2	34.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12400.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
6	14880.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
7	17360.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
8	19840.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
9	22320.00	NS	NS	-	-	-	-	-24.8	-	-	53.9	-	-
10	24800.00	36.2	36.2	38.9	29.9	7.8	0.0	-24.8	18.7	18.7	53.9	35.2	35.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*Dwell time factor = 20log (Dwell time / 100ms) = 20log (5.75*10^-3 / 100*10^-3) = -24.8 dB
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*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.
*NS: Non Signal

Radiated Spurious Emission (above 1GHz)
BT 3DH5, Tx, Ch. Low

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT 3DH5, Tx 2402MHz
Position : H: X-axis, V: Z-axis

Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [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	2390.00	46.1	45.6	27.3	32.8	2.6	0.0	-	43.2	42.7	73.9	30.7	31.2
2**	2400.00	79.4	78.0	27.3	32.8	2.6	0.0	-	76.5	75.1	-	-	-
3	4804.00	40.9	40.8	31.5	30.7	4.1	0.8	-	46.6	46.5	73.9	27.3	27.4
4	7206.00	42.1	41.4	35.8	31.4	4.6	0.7	-	51.8	51.1	73.9	22.1	22.8
5	9608.00	42.9	42.2	38.2	32.0	5.4	1.1	-	55.6	54.9	73.9	18.3	19.0
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	46.0	46.3	38.7	31.2	7.7	0.0	-	51.7	52.0	73.9	22.2	21.9

** 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]	Dwell Factor [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	2390.00	35.0	34.2	27.3	32.8	2.6	0.0	-	32.1	31.3	53.9	21.8	22.6
2**	2400.00	72.9	71.3	27.3	32.8	2.6	0.0	-24.4	45.6	44.0	-	-	-
3	4804.00	30.0	30.1	31.5	30.7	4.1	0.8	-24.4	11.3	11.4	53.9	42.6	42.5
4	7206.00	31.5	31.2	35.8	31.4	4.6	0.7	-24.4	16.8	16.5	53.9	37.1	37.4
5	9608.00	32.1	32.1	38.2	32.0	5.4	1.1	-24.4	20.4	20.4	53.9	33.5	33.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12010.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
7	14412.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
8	16814.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
9	19216.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
10	21618.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
11	24020.00	35.1	35.1	38.7	31.2	7.7	0.0	-24.4	16.3	16.3	53.9	37.6	37.6

** 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]	Dwell Factor [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
0	2402.00	97.4	95.9	27.3	32.8	2.7	0.0	-	94.6	93.1	-	-	-
2	2400.00	46.4	44.2	27.3	32.8	2.6	0.0	-	43.5	41.3	Funda-20dB	31.1	31.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB

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

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

*Dwell time factor = 20log (Dwell time / 100ms) = 20log (6*10^-3 / 100*10^-3) = -24.4 dB

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

*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.

*NS: Non Signal

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Radiated Spurious Emission (above 1GHz)
BT 3DH5, Tx, Ch. Mid

UL Japan, Inc.

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT 3DH5, Tx 2441MHz
Position : H: X-axis, V: Z-axis

Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	4882.00	40.1	40.2	31.7	30.6	4.1	0.8	-	46.1	46.2	73.9	27.8	27.7
2	7323.00	41.2	41.4	35.9	31.4	4.6	0.7	-	51.0	51.2	73.9	22.9	22.7
3	9764.00	42.5	41.9	38.2	32.1	5.5	1.2	-	55.3	54.7	73.9	18.6	19.2
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	46.1	46.1	38.8	30.6	7.7	0.0	-	52.5	52.5	73.9	21.4	21.4

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]	Dwell Factor [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	4882.00	28.8	28.9	31.7	30.6	4.1	0.8	-24.4	10.4	10.5	53.9	43.5	43.4
2	7323.00	30.4	30.2	35.9	31.4	4.6	0.7	-24.4	15.8	15.6	53.9	38.1	38.3
3	9764.00	31.7	31.7	38.2	32.1	5.5	1.2	-24.4	20.1	20.1	53.9	33.8	33.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
4	12205.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
5	14646.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
6	17087.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
7	19528.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
8	21969.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
9	24410.00	35.5	35.5	38.8	30.6	7.7	0.0	-24.4	17.4	17.4	53.9	36.5	36.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*Dwell time factor = 20log (Dwell time / 100ms) = 20log (6*10^-3 / 100*10^-3) = -24.4 dB
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*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.
*NS: Non Signal

Radiated Spurious Emission (above 1GHz)
BT 3DH5, Tx, Ch. High

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT 3DH5, Tx 2480MHz
Position : H: X-axis, V: Z-axis

Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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]	Dwell Factor [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	60.1	57.0	27.4	32.8	2.7	0.0	-	57.4	54.3	73.9	16.5	19.6
2	4960.00	40.4	39.7	31.8	30.6	4.1	0.8	-	46.5	45.8	73.9	27.4	28.1
3	7440.00	42.5	41.8	36.1	31.4	4.7	0.7	-	52.6	51.9	73.9	21.3	22.0
4	9920.00	42.7	41.9	38.2	32.2	5.5	1.2	-	55.4	54.6	73.9	18.5	19.3
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	46.4	46.2	38.9	29.9	7.8	0.0	-	53.7	53.5	73.9	20.2	20.4

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]	Dwell Factor [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	56.2	53.3	27.4	32.8	2.7	0.0	-24.4	29.1	26.2	53.9	24.8	27.7
2	4960.00	28.5	28.6	31.8	30.6	4.1	0.8	-24.4	10.2	10.3	53.9	43.7	43.6
3	7440.00	30.5	30.3	36.1	31.4	4.7	0.7	-24.4	16.2	16.0	53.9	37.7	37.9
4	9920.00	31.7	31.6	38.2	32.2	5.5	1.2	-24.4	20.0	19.9	53.9	33.9	34.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12400.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
6	14880.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
7	17360.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
8	19840.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
9	22320.00	NS	NS	-	-	-	-	-24.4	-	-	53.9	-	-
10	24800.00	36.2	36.1	38.9	29.9	7.8	0.0	-24.4	19.0	18.9	53.9	34.9	35.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.54 dB

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

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

*Dwell time factor = 20log (Dwell time / 100ms) = 20log (6*10^-3 / 100*10^-3) = -24.4 dB

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

*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.

*NS: Non Signal

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

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.109(a) / RSS-210 A8.5
Test Distance : 3m

Company : Sharp Corporation
Equipment : WCDMA Mobile & Tri-band
(900/1800/1900)
GSM Dual mode Mobile Phone/
Felica Enable/Bluetooth Enable
Model : FOMA SH906i
S/N : 004401/11/110528/0
Power : DC 3.7V (Lithium-ion battery)
Mode : BT Rx 2441MHz
Position : H: X-axis, V: Z-axis

Date : 04/01/2008
Temperature : 21deg.C.
Humidity : 35%
Engineer : Kazufumi Nakai

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

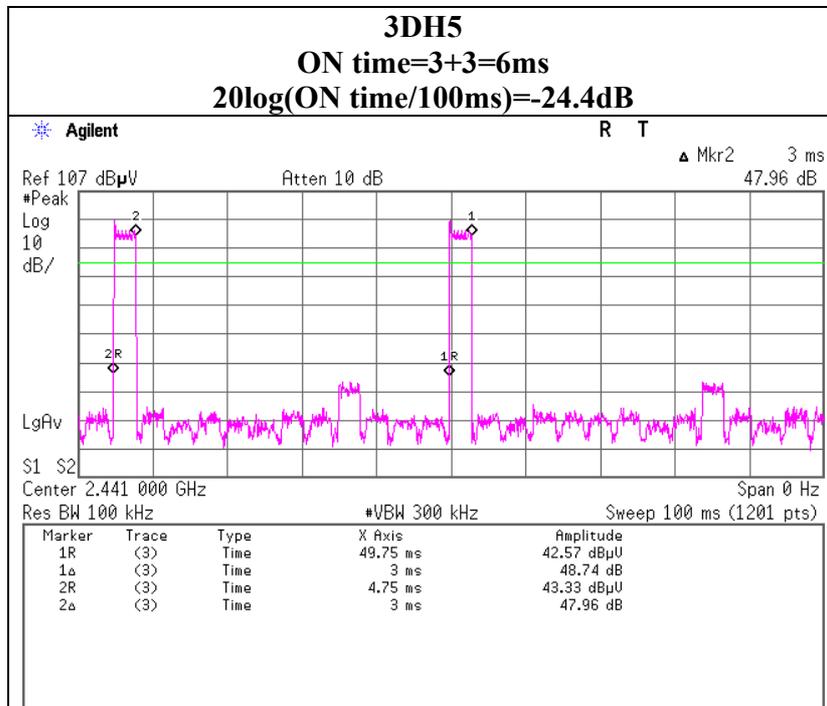
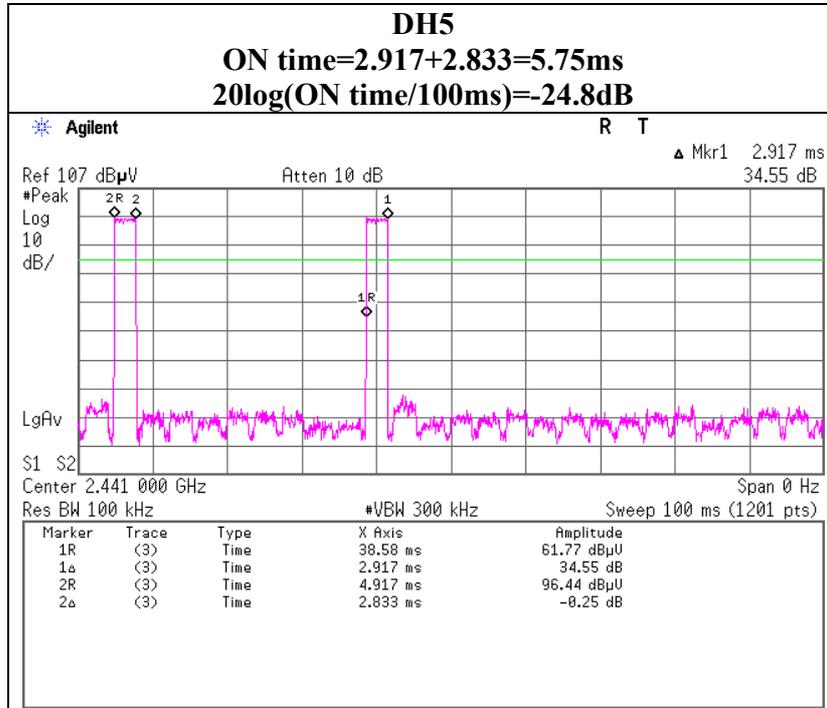
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2441.00	41.1	41.2	27.4	32.8	2.7	0.0	38.4	38.5	73.9	35.5	35.4
2	2442.99	50.6	49.4	27.4	32.8	2.7	0.0	47.9	46.7	73.9	26.0	27.2

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

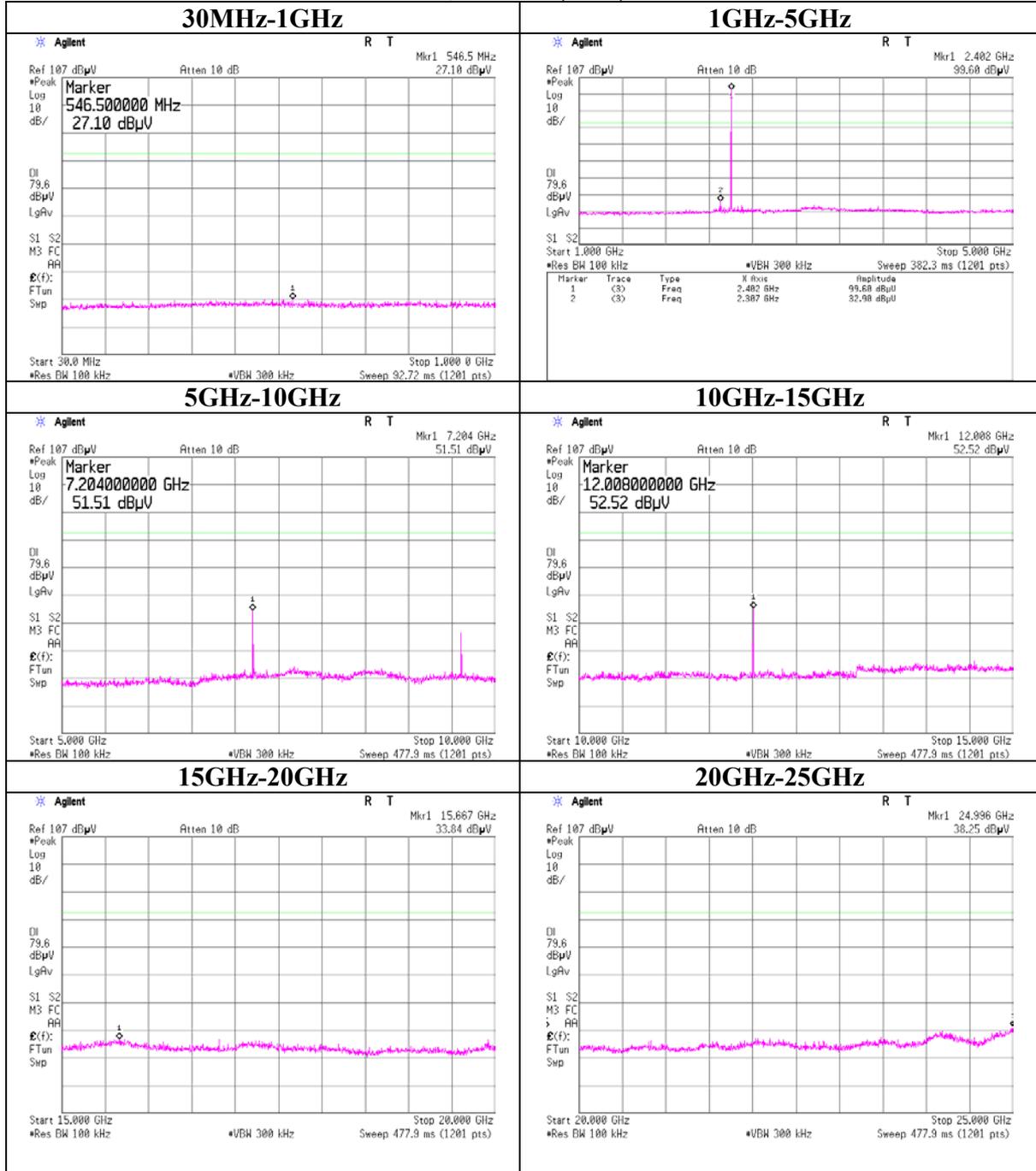
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2441.00	30.2	30.2	27.4	32.8	2.7	0.0	27.5	27.5	53.9	26.4	26.4
2	2442.99	47.6	46.4	27.4	32.8	2.7	0.0	44.9	43.7	53.9	9.0	10.2

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.
*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.

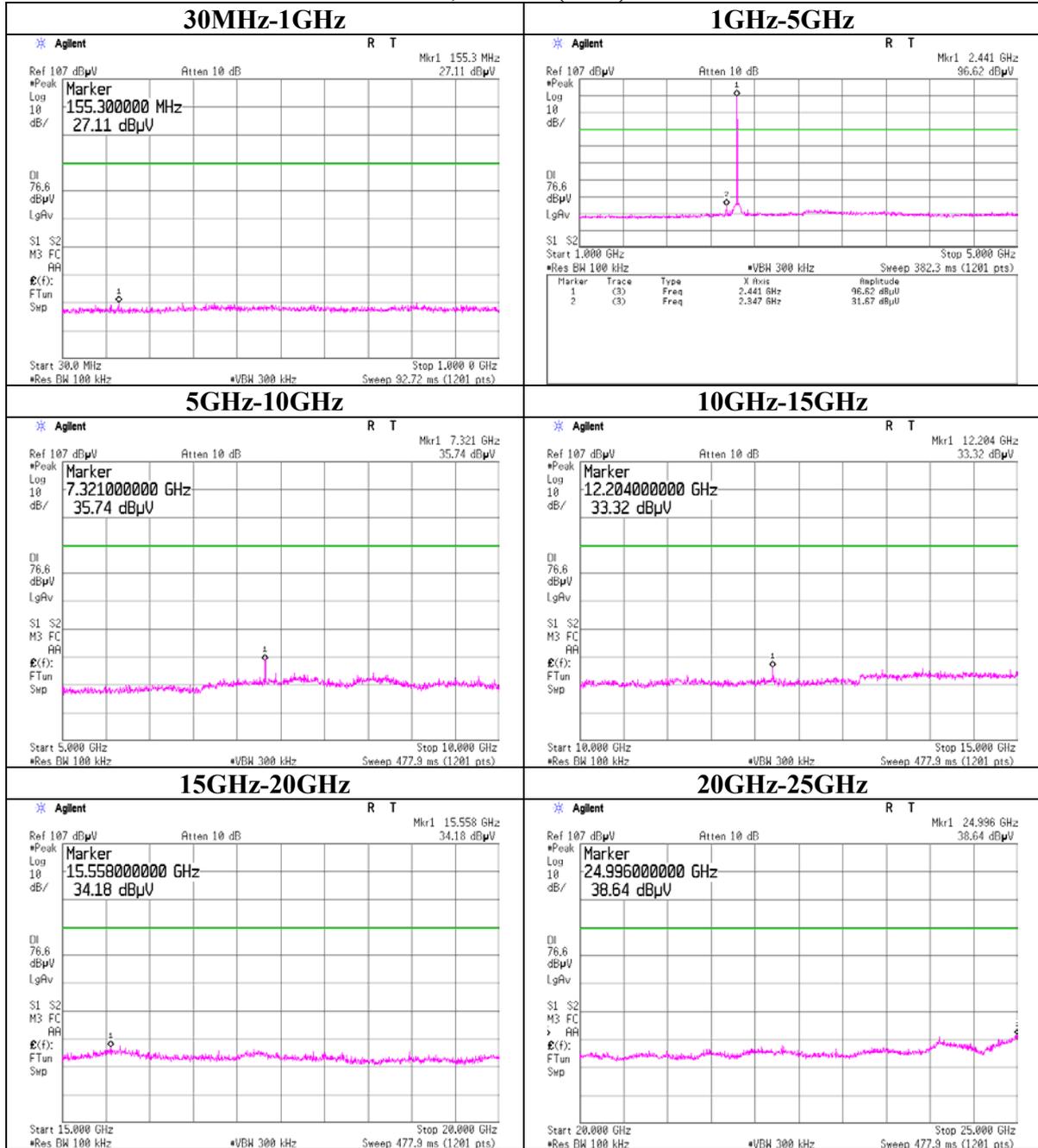
Dwell Time Factor



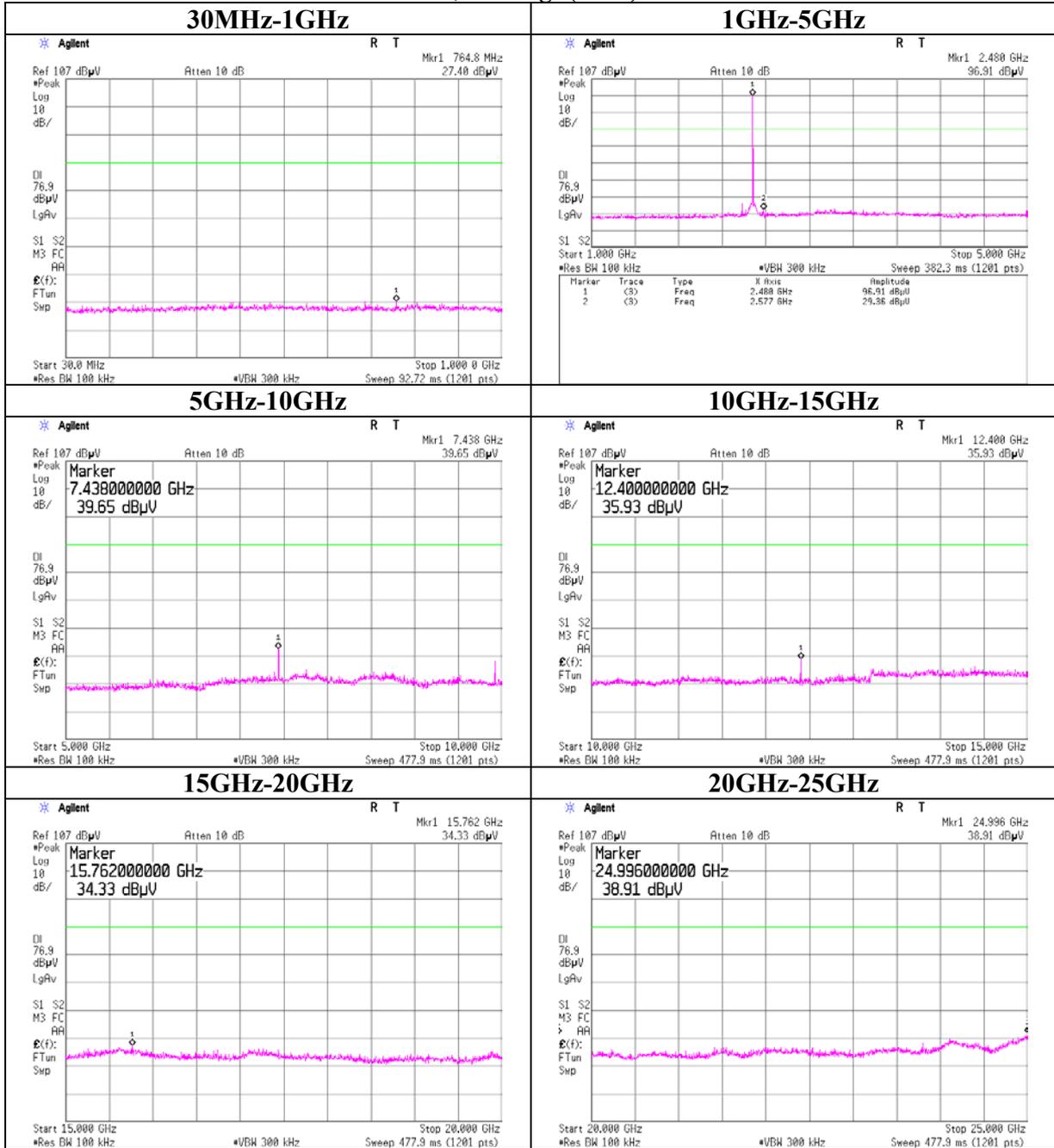
Conducted Spurious Emission
Tx, Ch:Low(DH5)



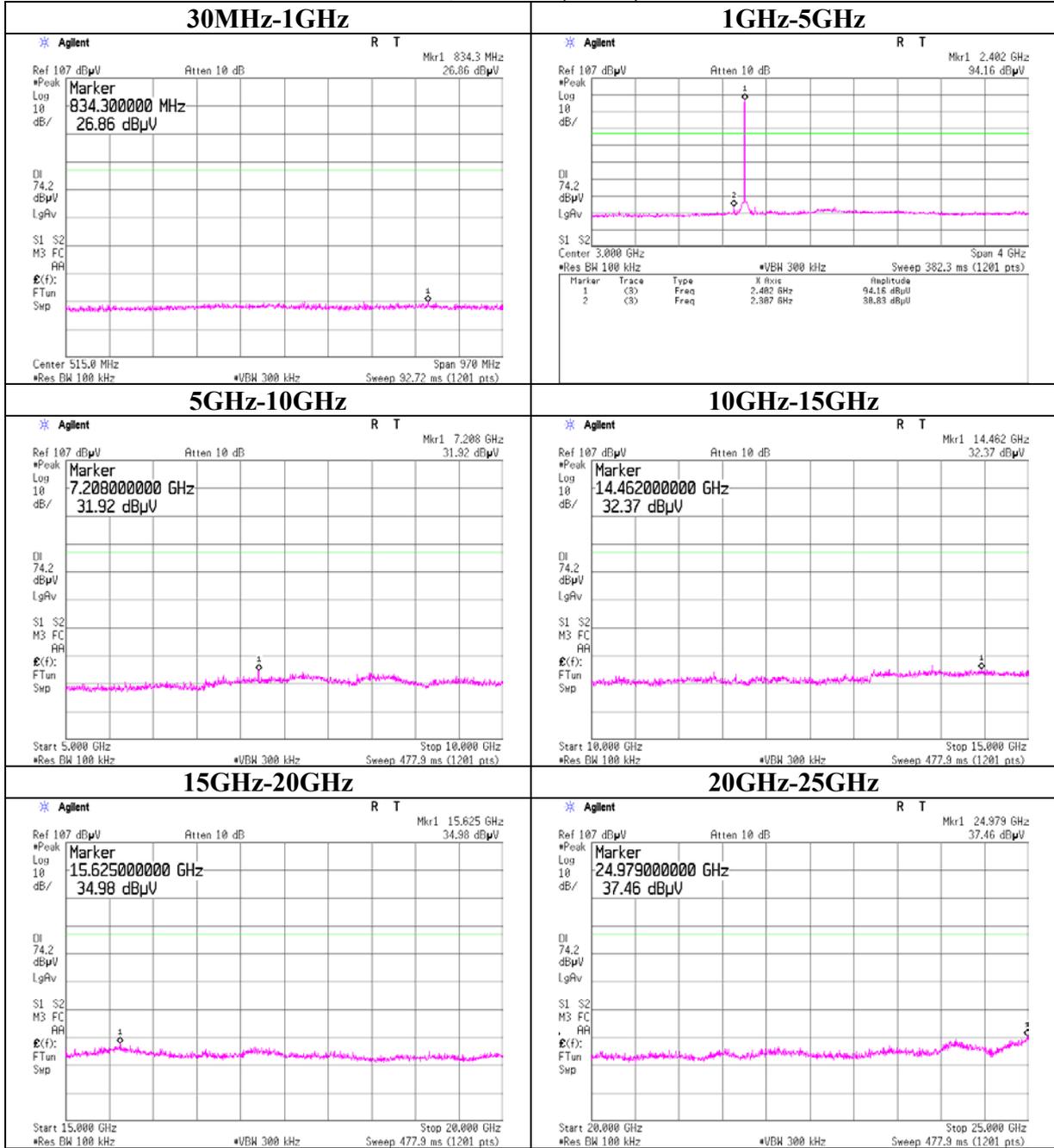
Conducted Spurious Emission
Tx, Ch:Mid(DH5)



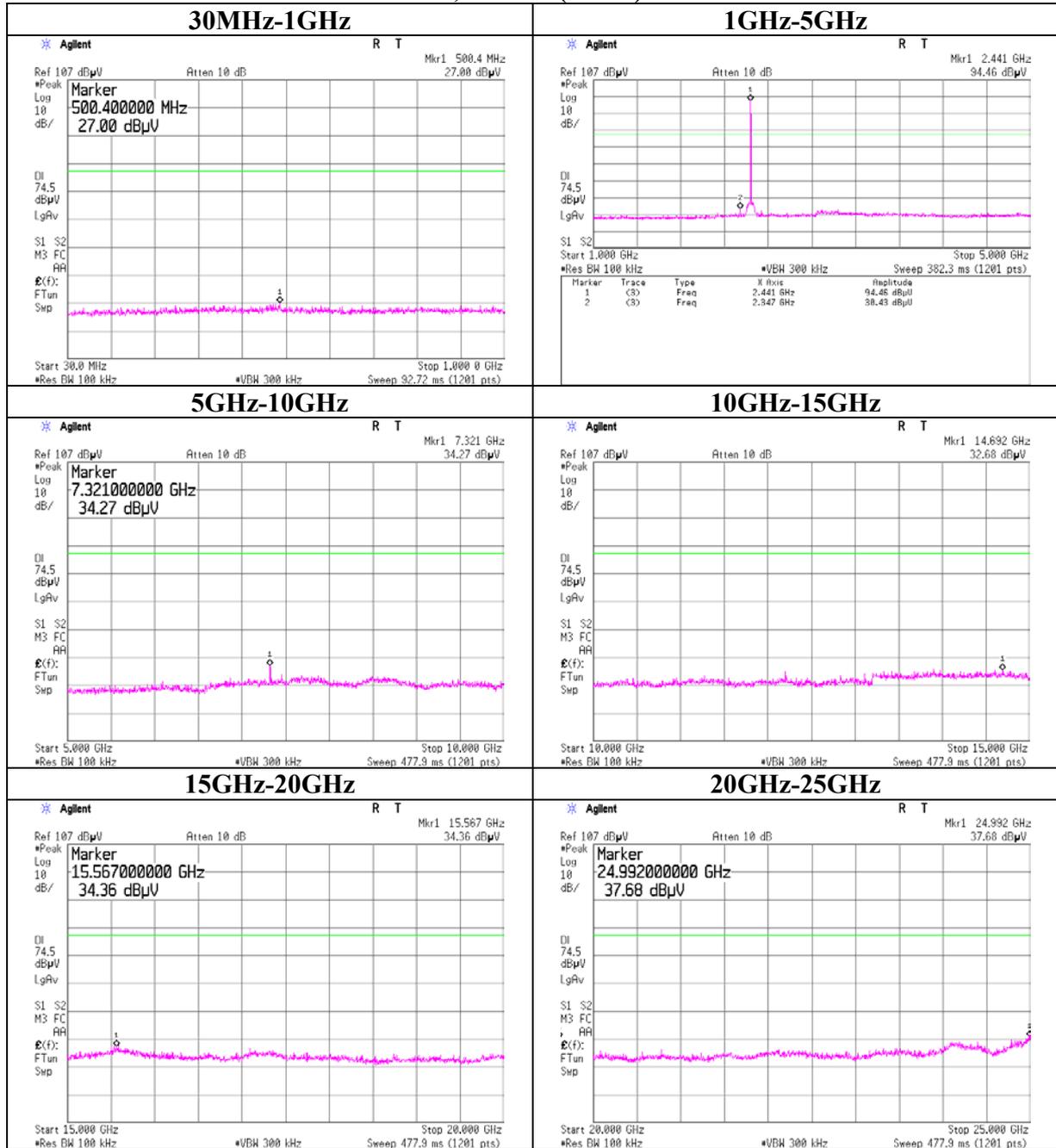
Conducted Spurious Emission
Tx, Ch:High(DH5)



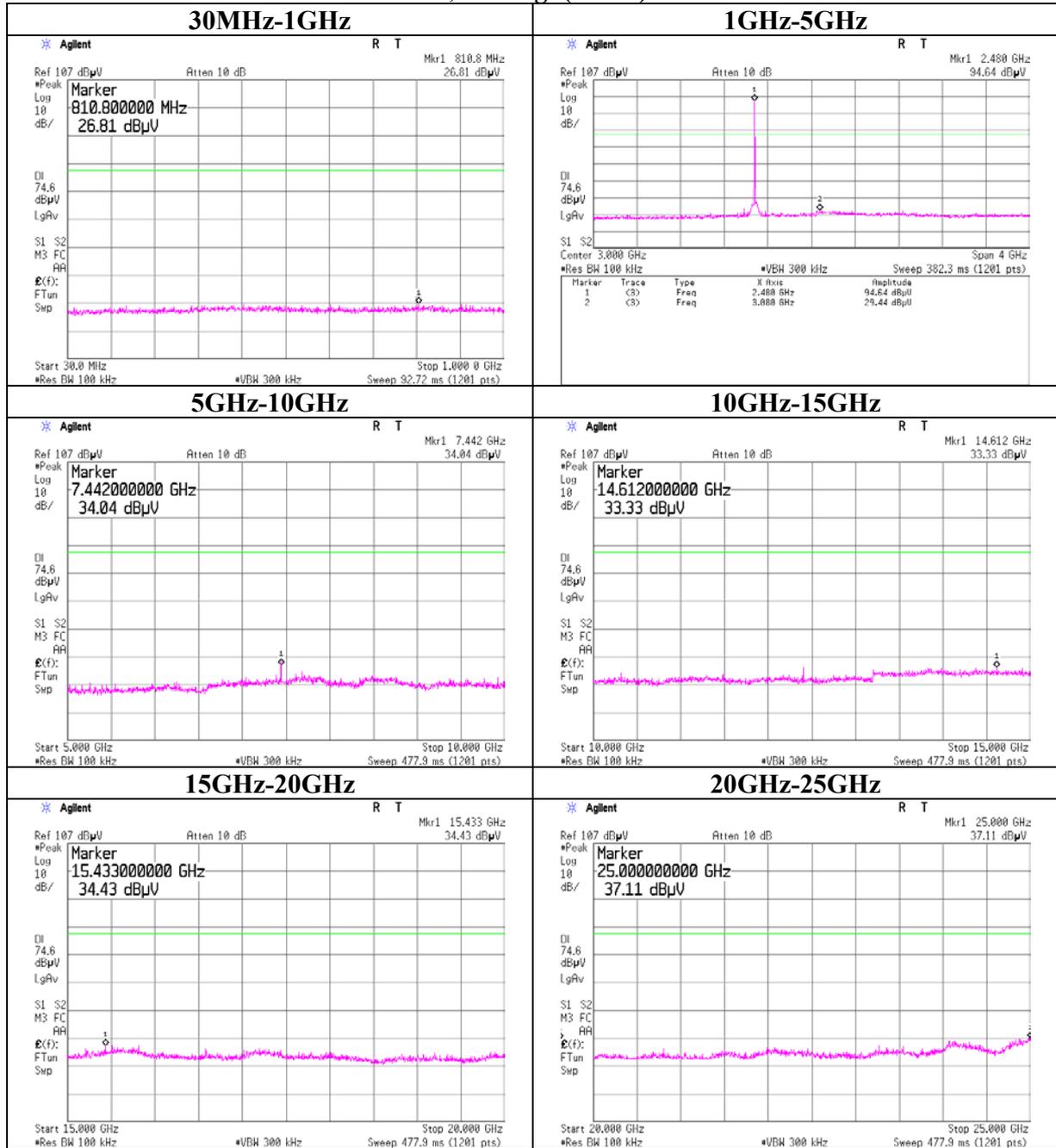
Conducted Spurious Emission
Tx, Ch:Low(3DH5)



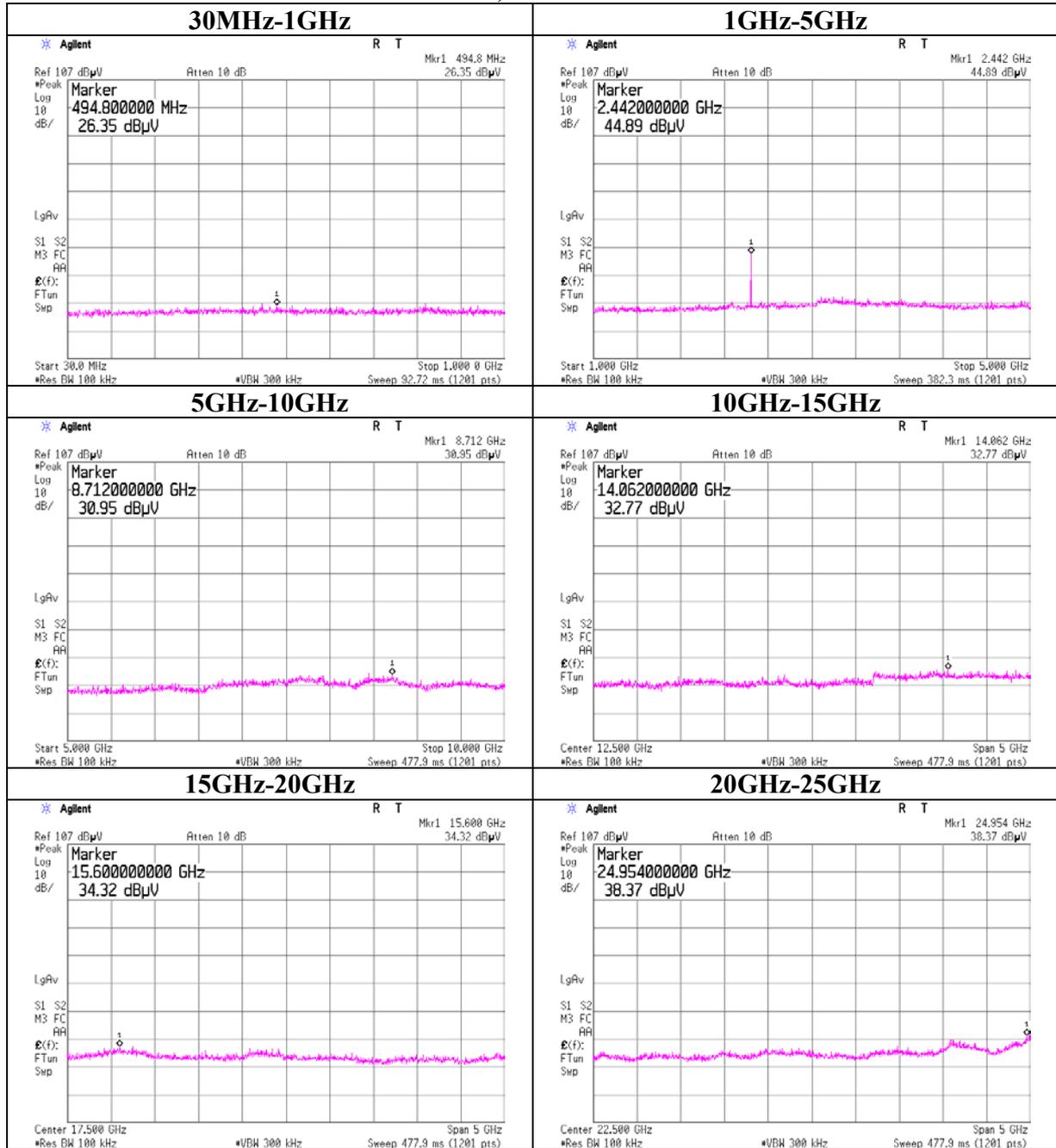
Conducted Spurious Emission
Tx, Ch:Mid(3DH5)



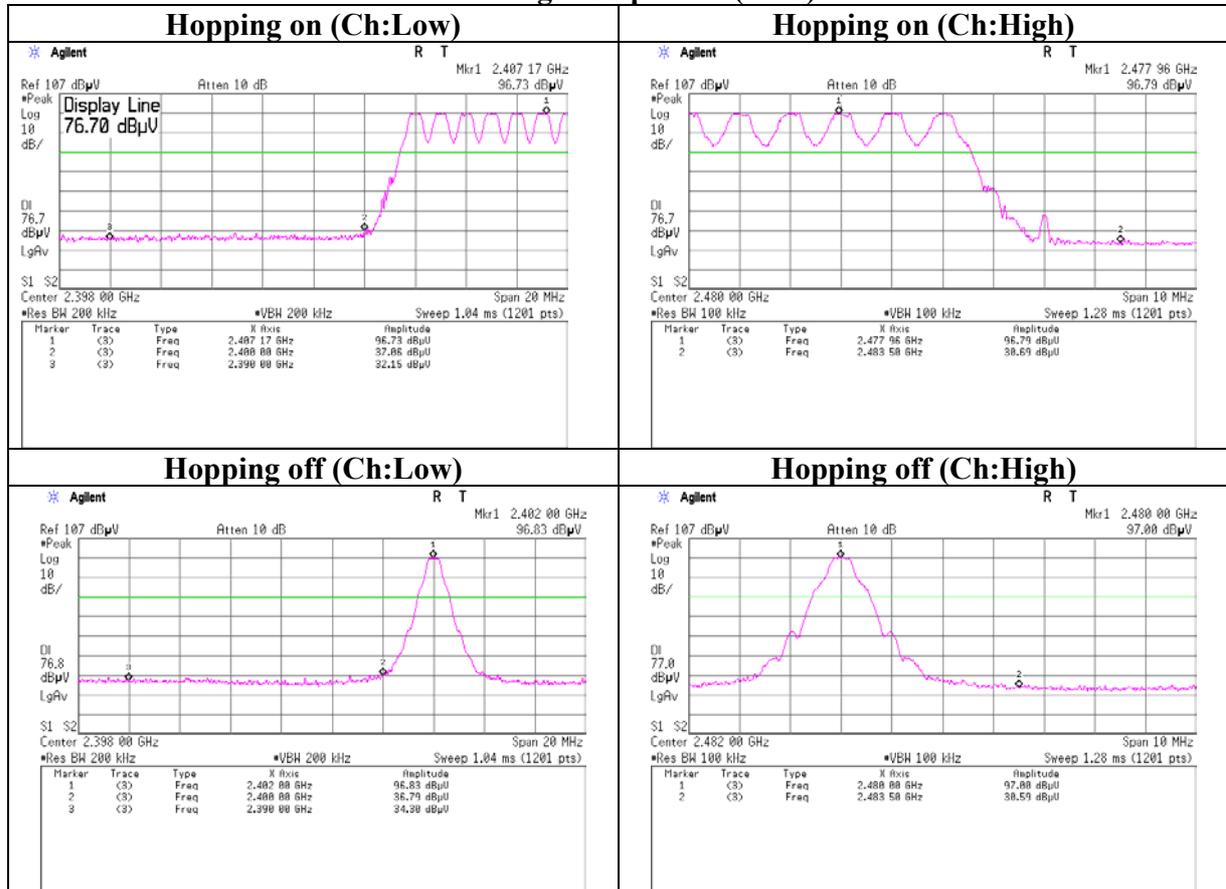
Conducted Spurious Emission
Tx, Ch:High(3DH5)



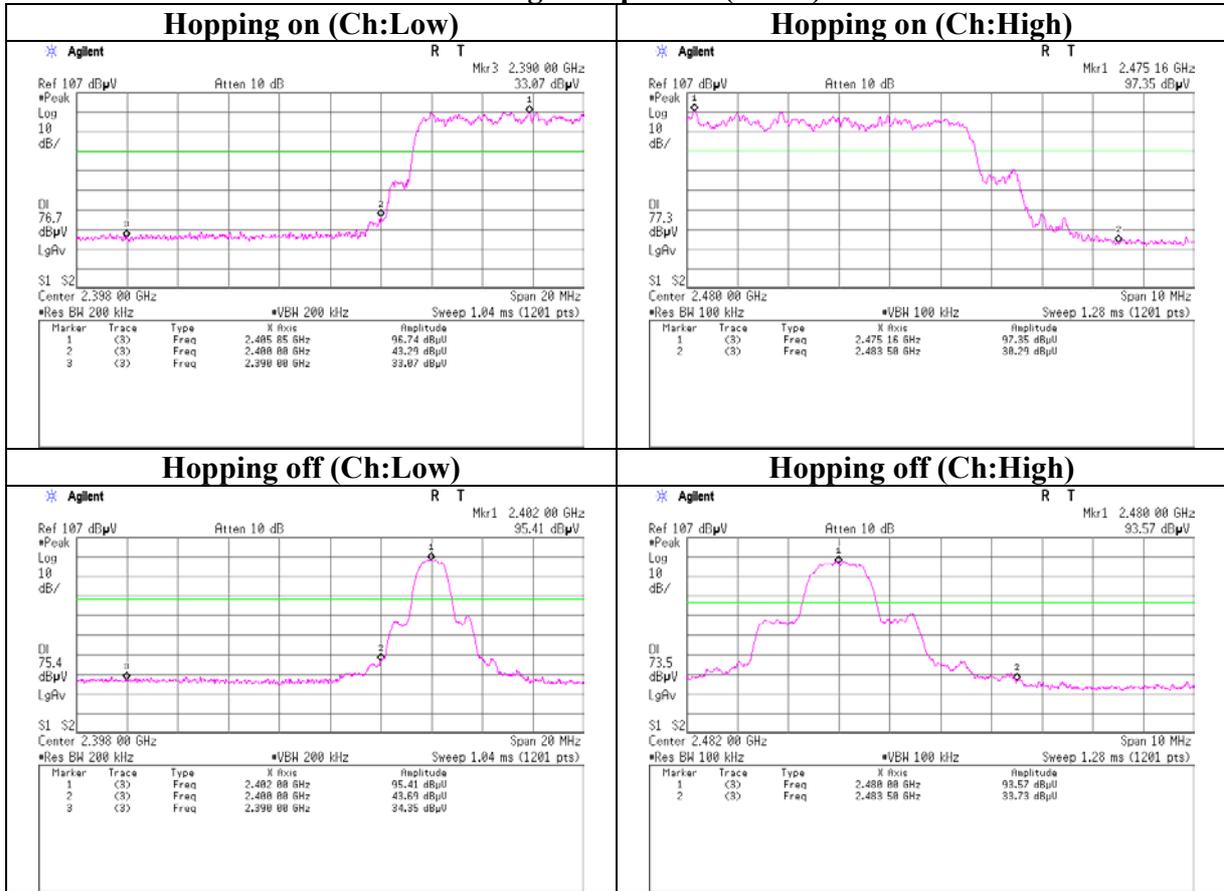
Conducted Spurious Emission
Rx, Ch:Mid



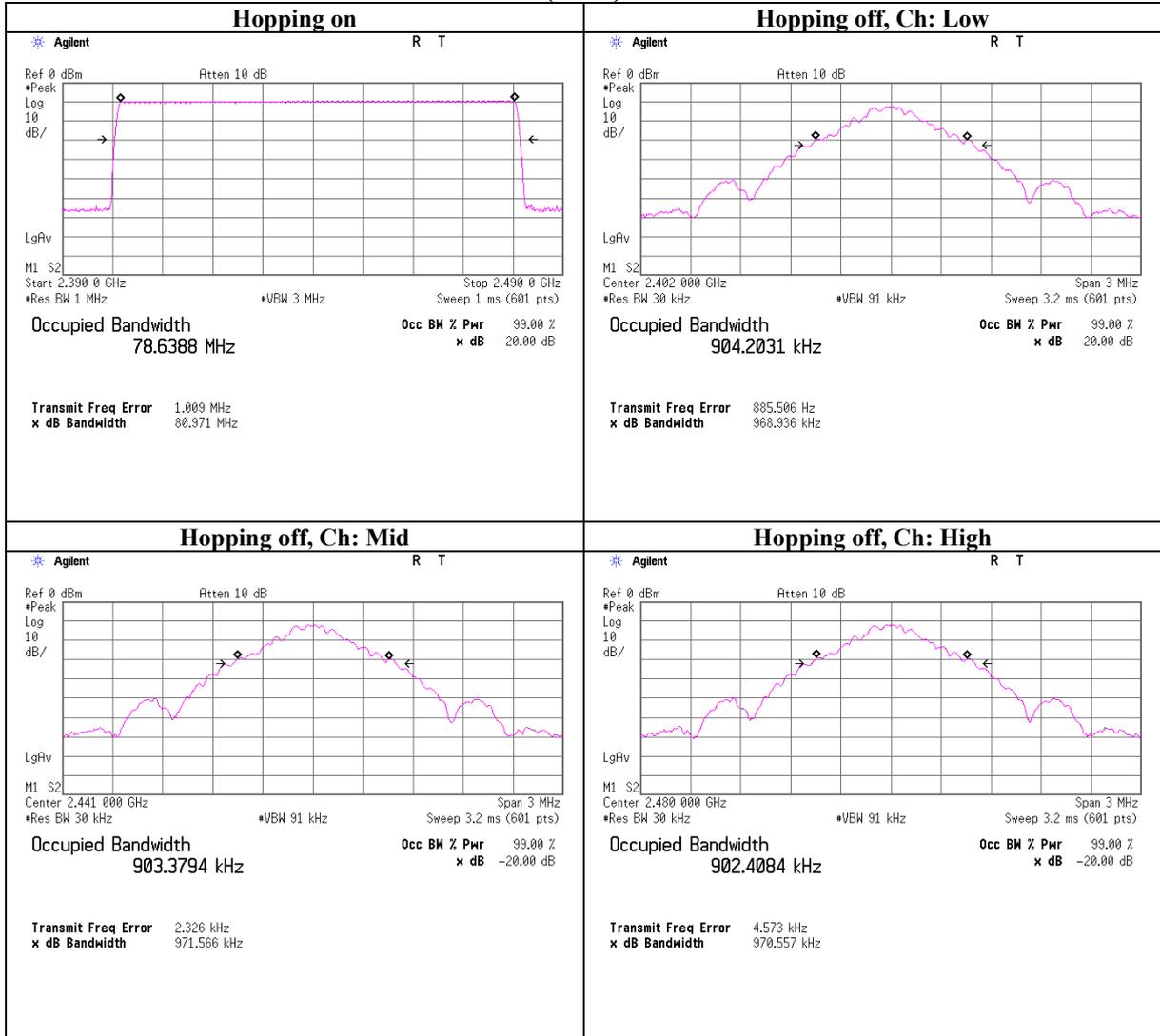
Conducted Spurious Emission
Band Edge compliance (DH5)



**Conducted Spurious Emission
 Band Edge compliance (3DH5)**

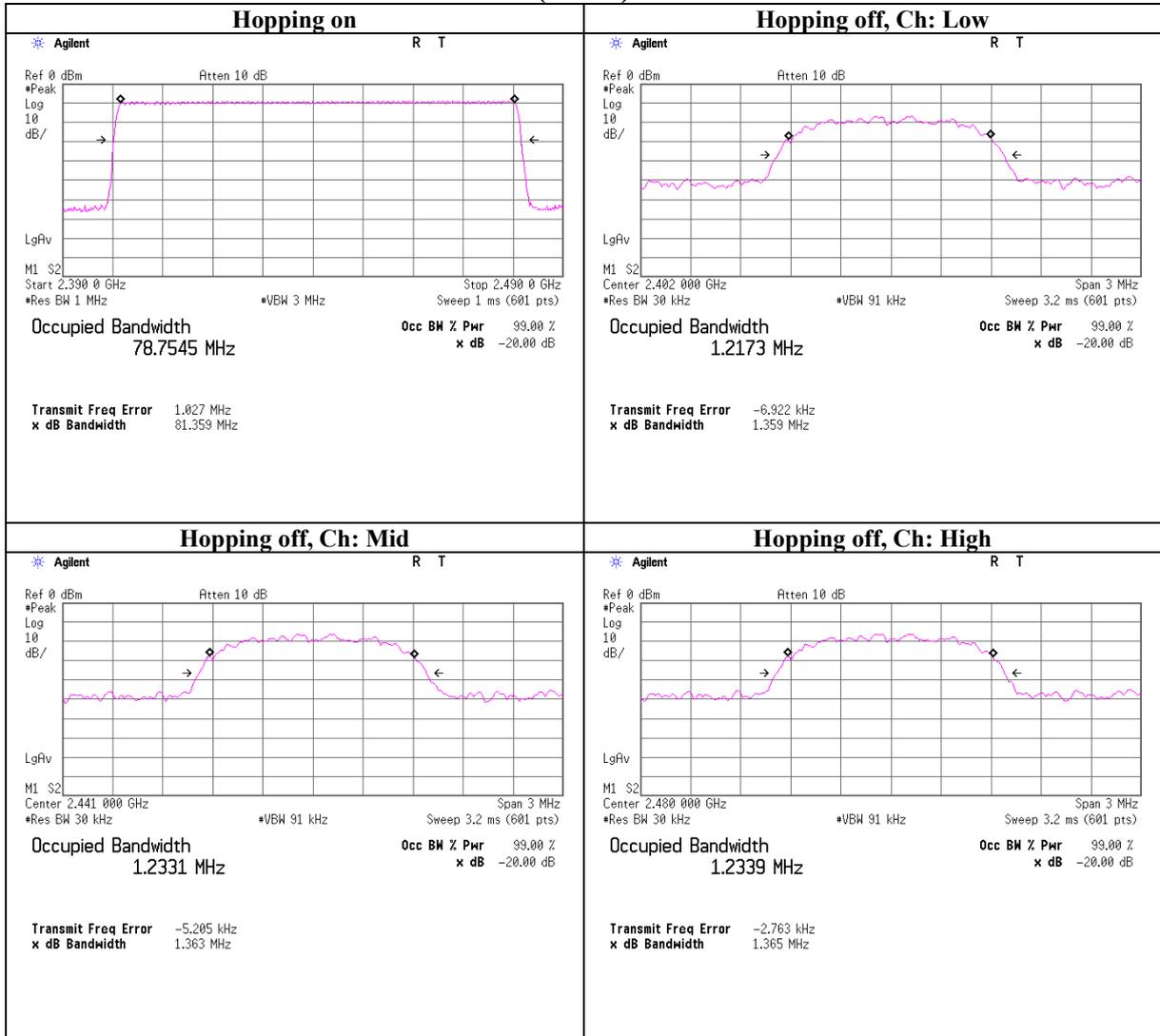


**99% Occupied Bandwidth
(DH5)**



*Refer to 20dB Bandwidth for 99% Occupied Bandwidth, inquiry mode

**99% Occupied Bandwidth
(3DH5)**



*Refer to 20dB Bandwidth for 99% Occupied Bandwidth, inquiry mode

APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/03/25 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/12 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MHF-19	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	RE	2007/12/10 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE/CE	2007/12/21 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2008/01/10 * 12
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2007/06/20 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MAT-24	Attenuator(10dB) (above1GHz)	Agilent	8493C	AT	2007/06/28 * 12
MCC-65	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MOS-19	Thermo-Hygrometer	Custom	CTH-201	AT	2007/12/05 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2008/01/12 * 12
MCC-51	Coaxial cable	UL Japan	-	RE/CE	2007/07/26 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2008/02/20 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2008/02/19 * 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: CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted test

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