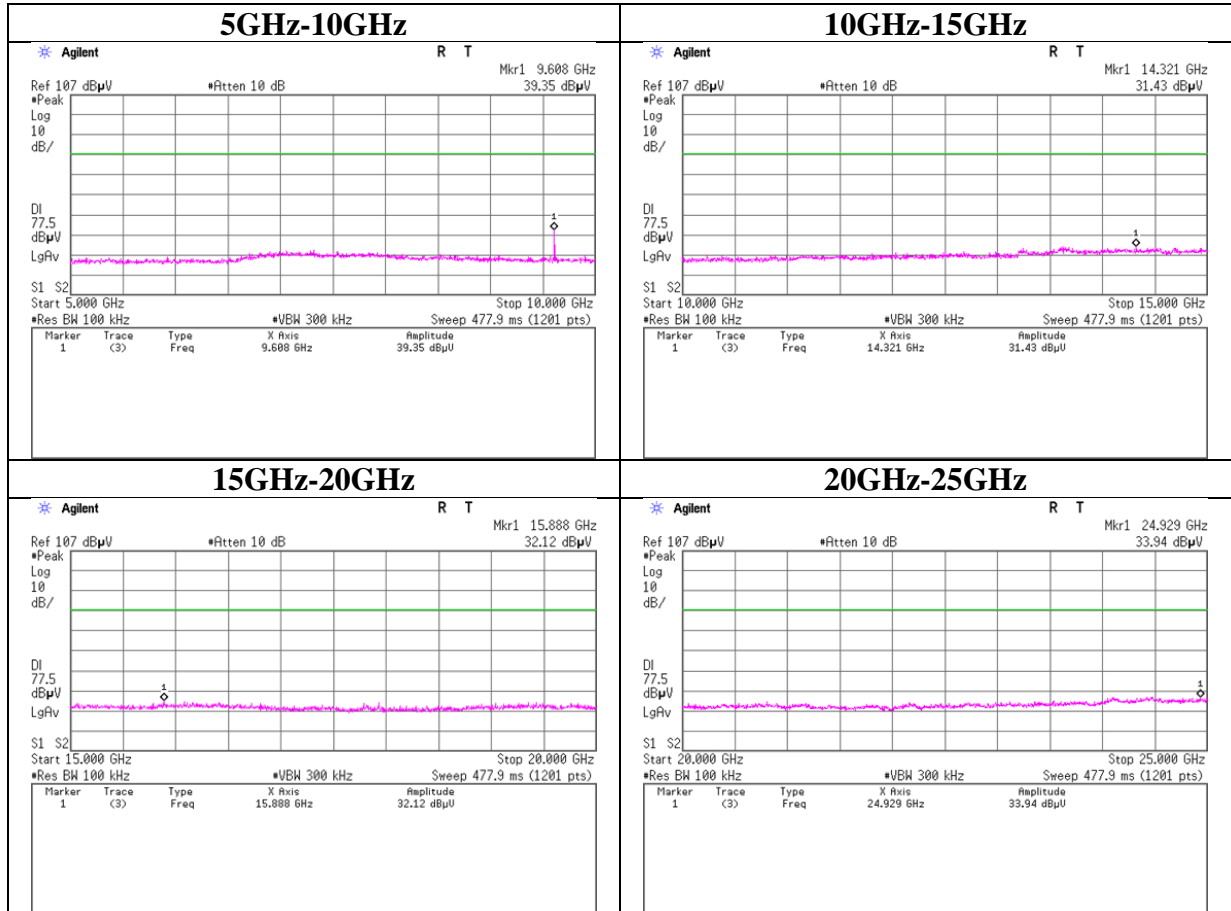


### Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5

#### Tx DH5 2402MHz



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**Ise EMC Lab.**

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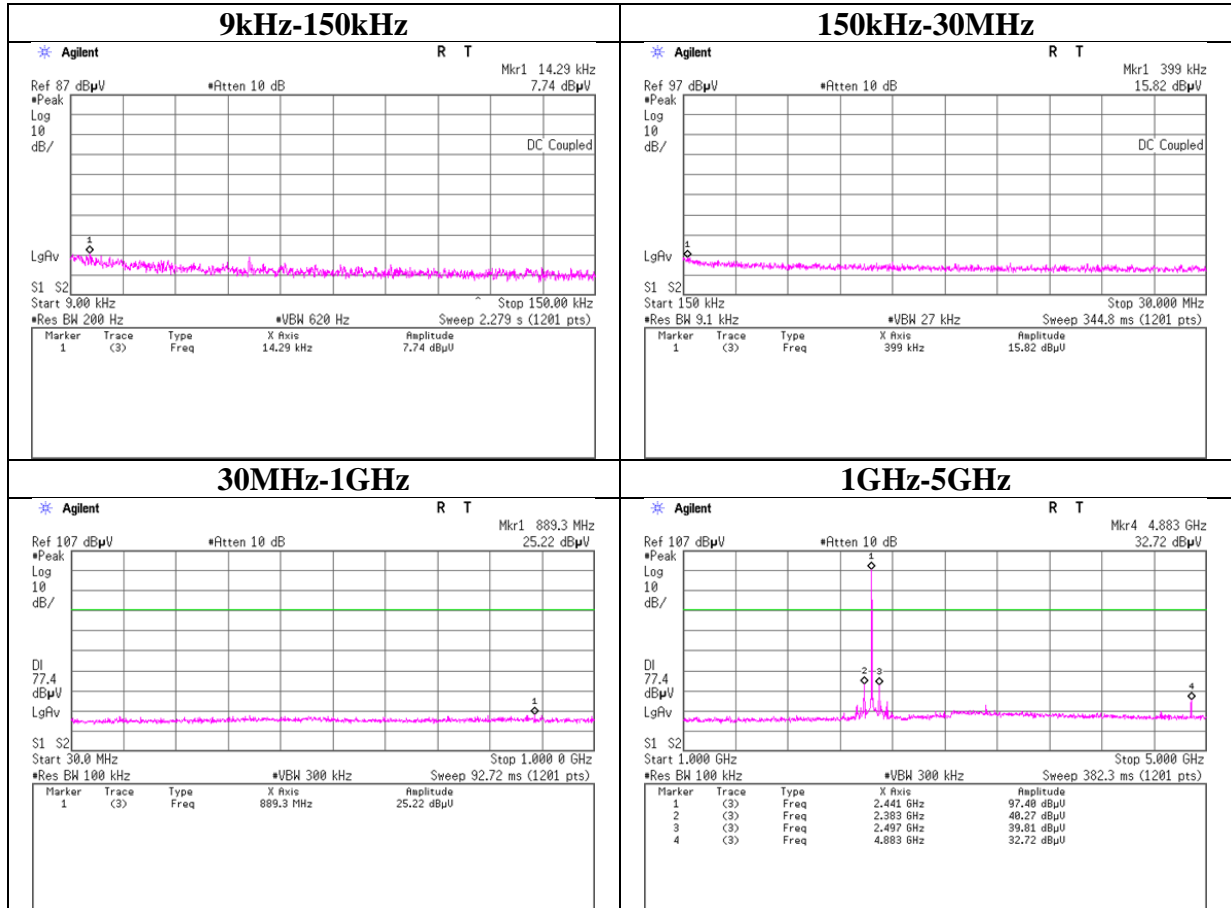
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

### Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5

#### Tx DH5 2441MHz



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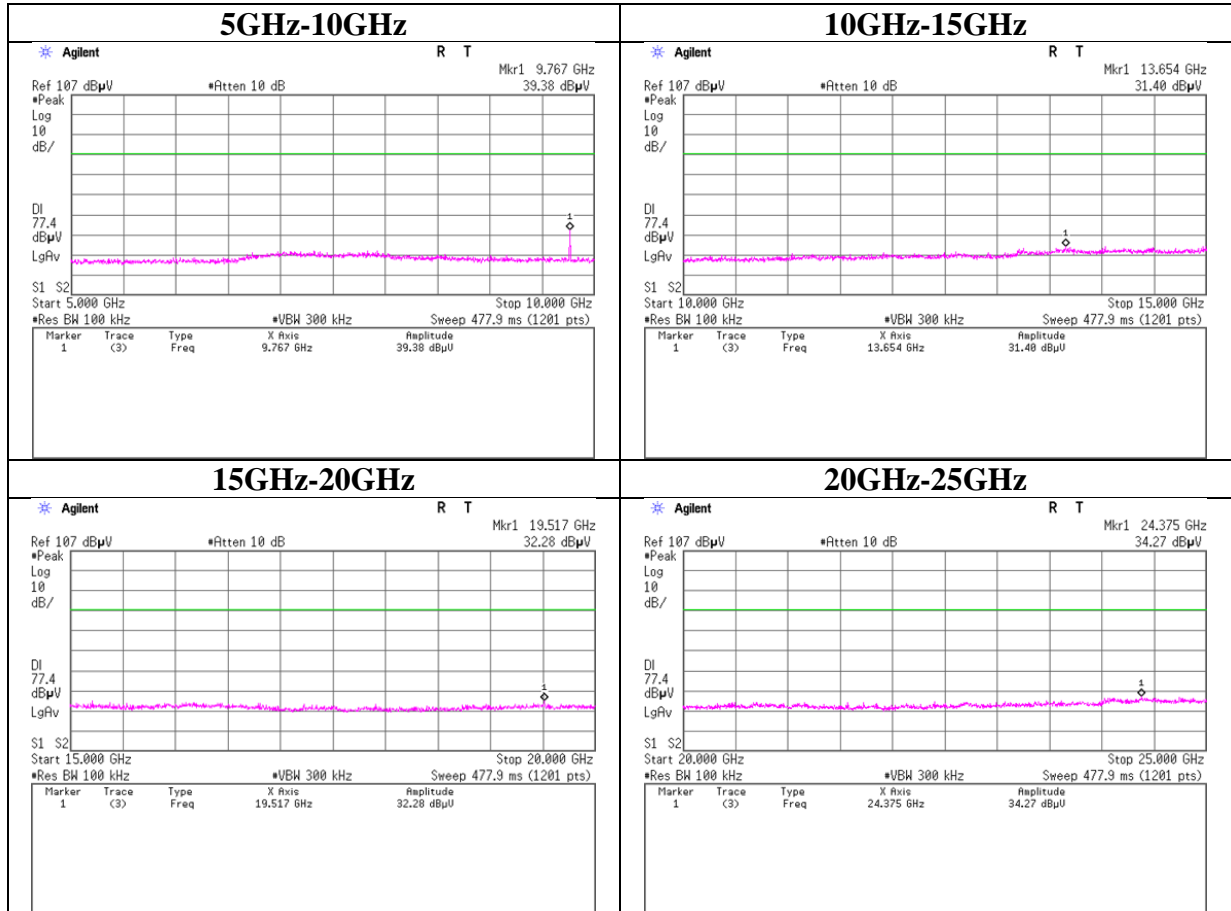
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5

### Tx DH5 2441MHz



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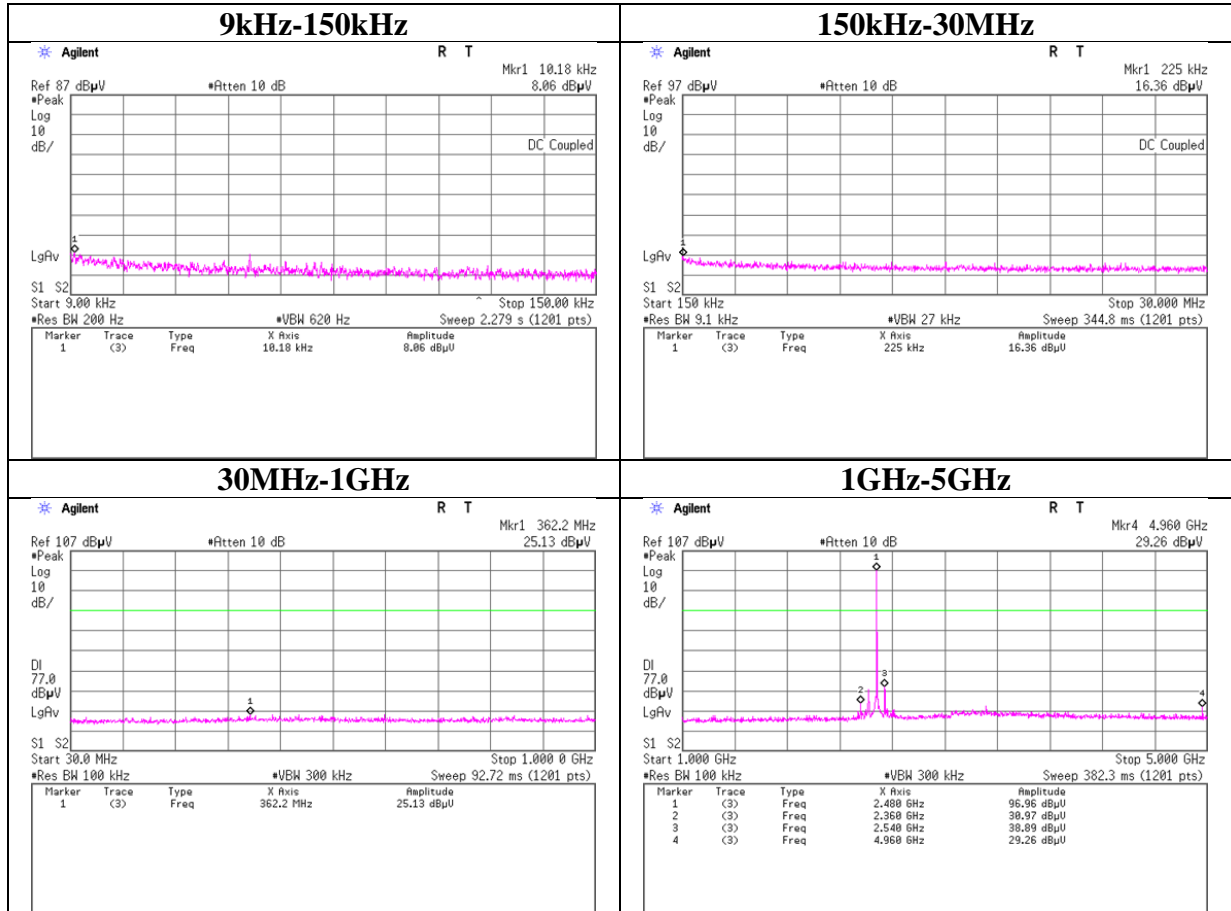
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

### Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5

#### Tx DH5 2480MHz



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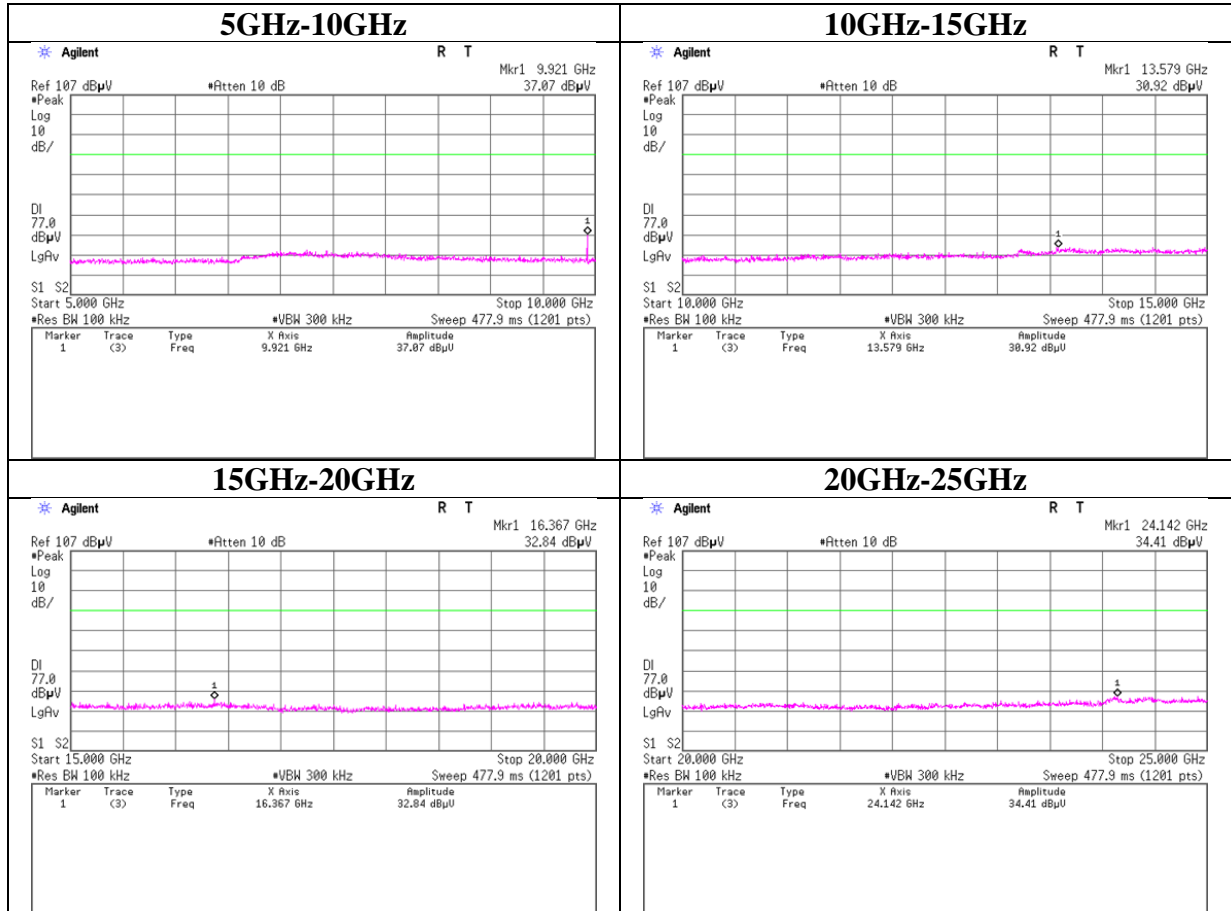
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5

### Tx DH5 2480MHz



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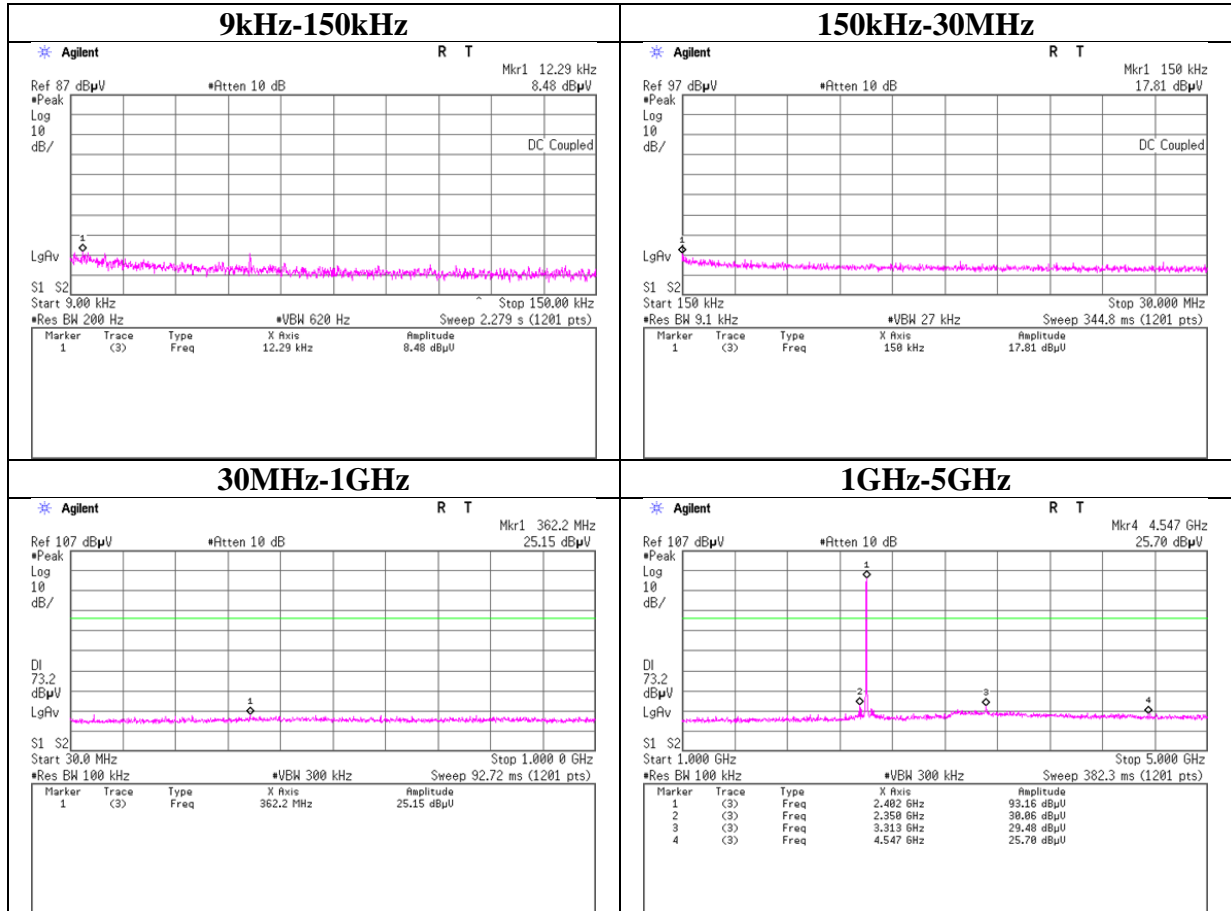
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

### Tx 3DH5 2402MHz



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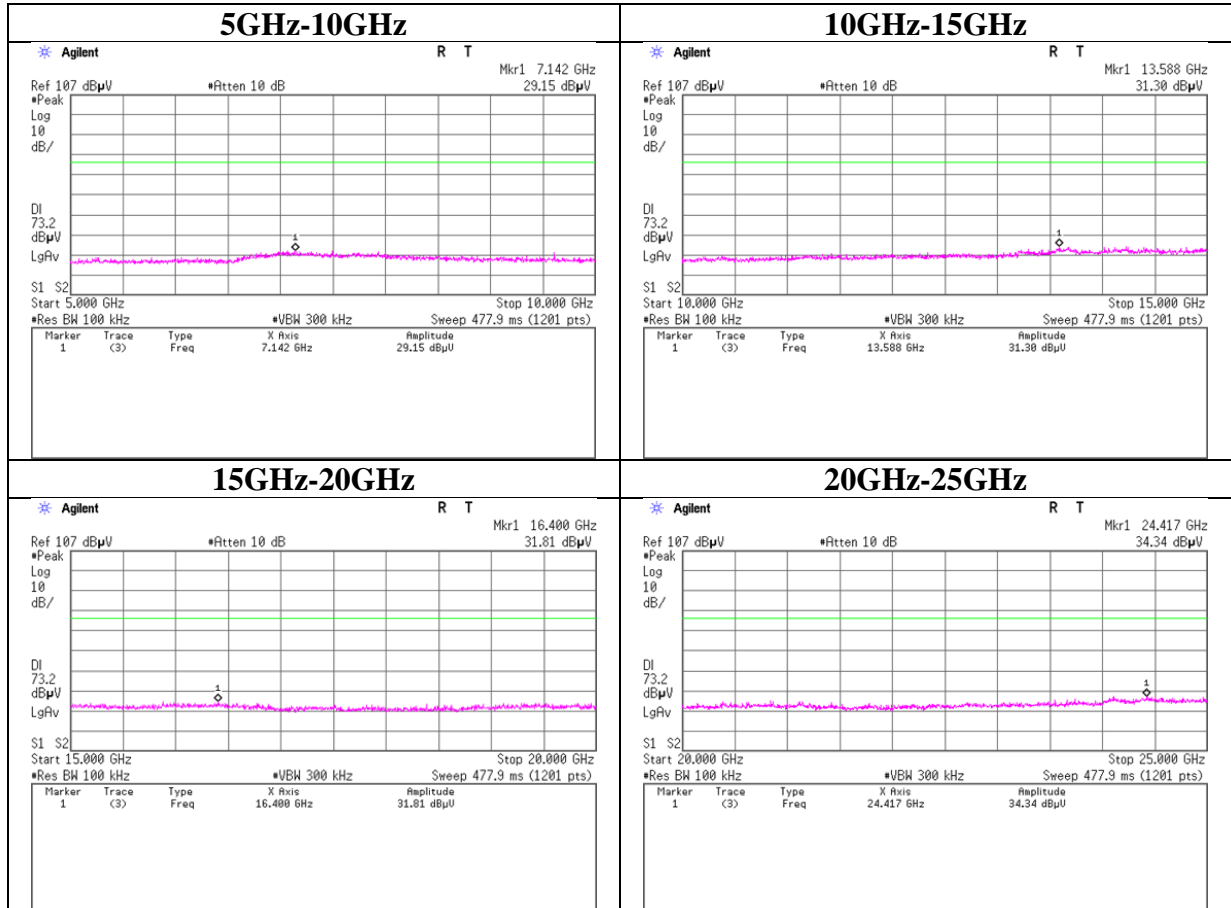
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

### Tx 3DH5 2402MHz



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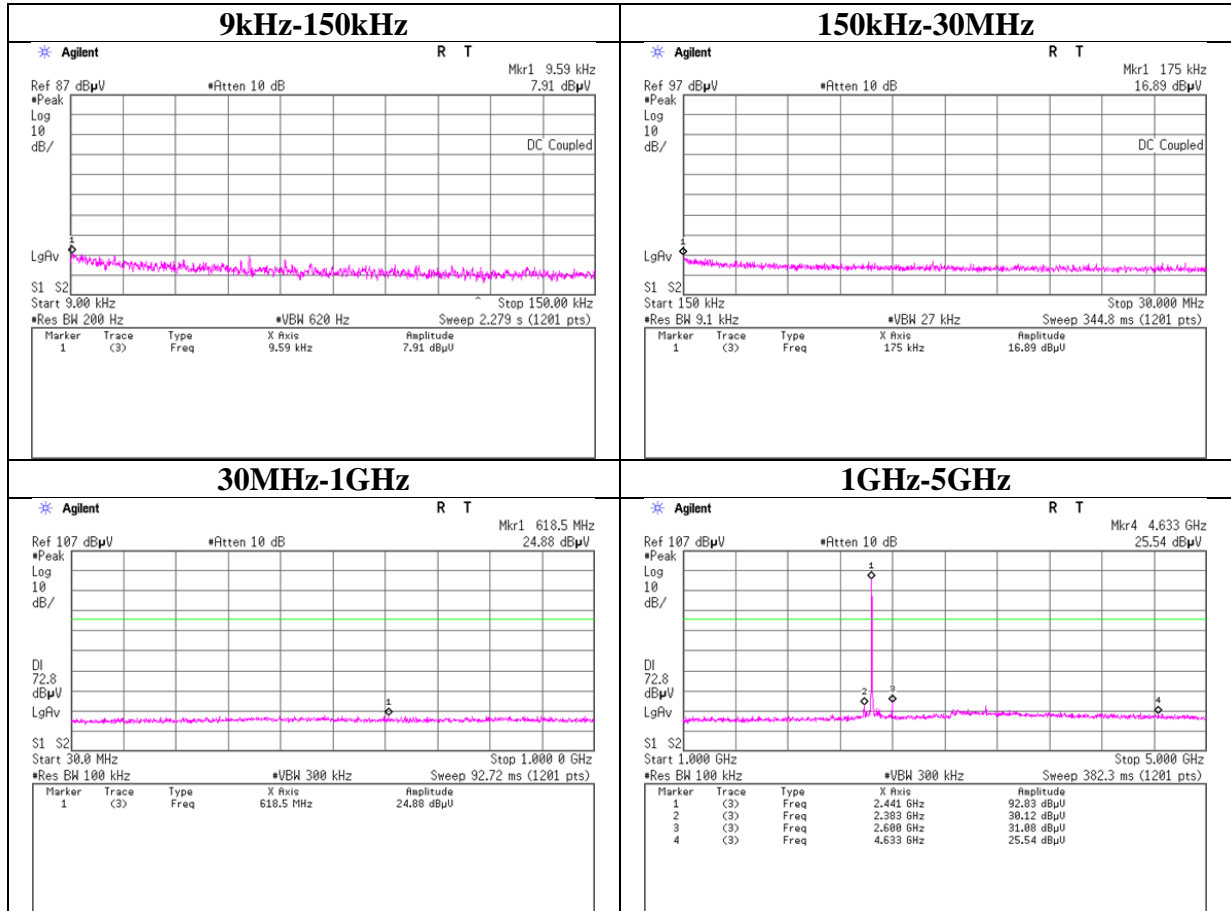
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

### Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

#### Tx 3DH5 2441MHz



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**Ise EMC Lab.**

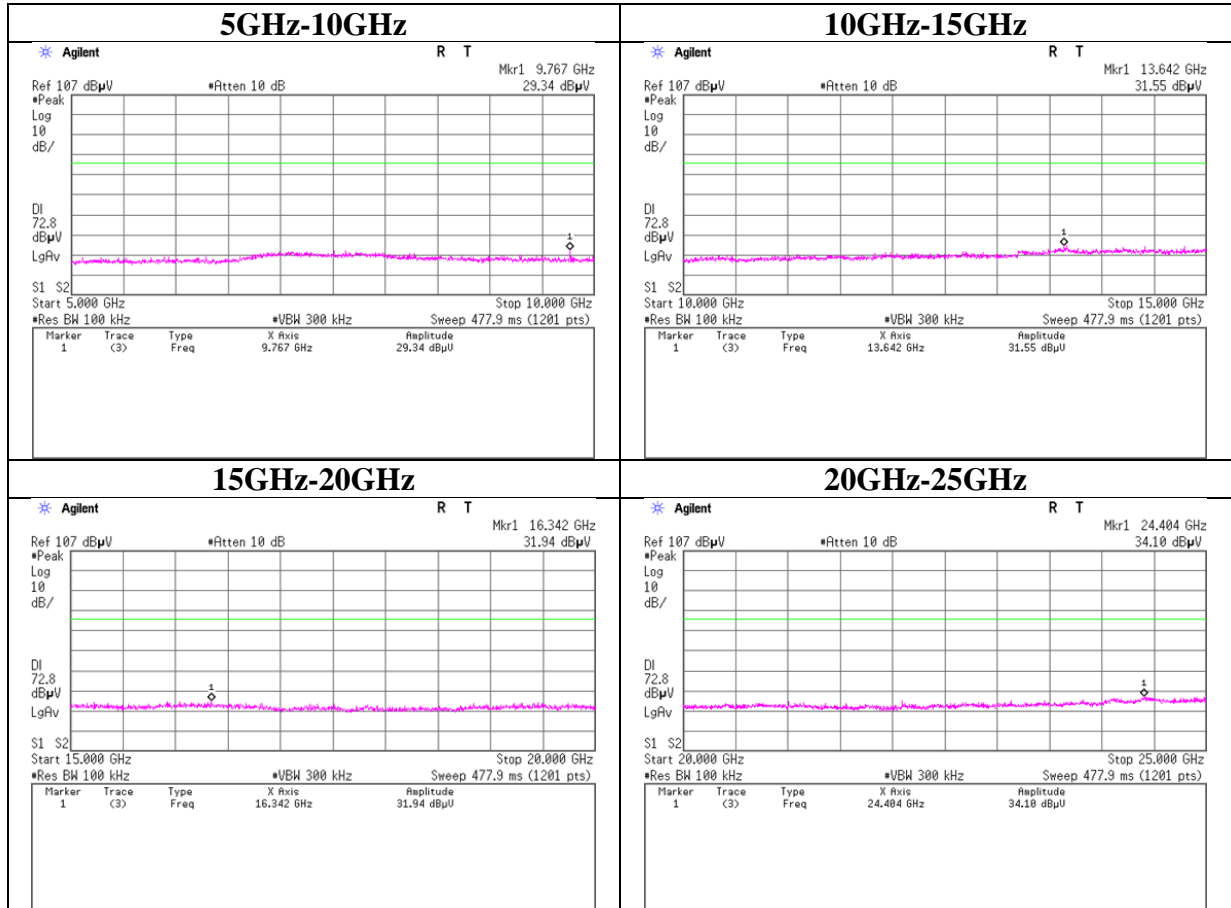
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN  
Telephone : +81 596 24 8999  
Facsimile : +81 596 24 8124



## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

### Tx 3DH5 2441MHz



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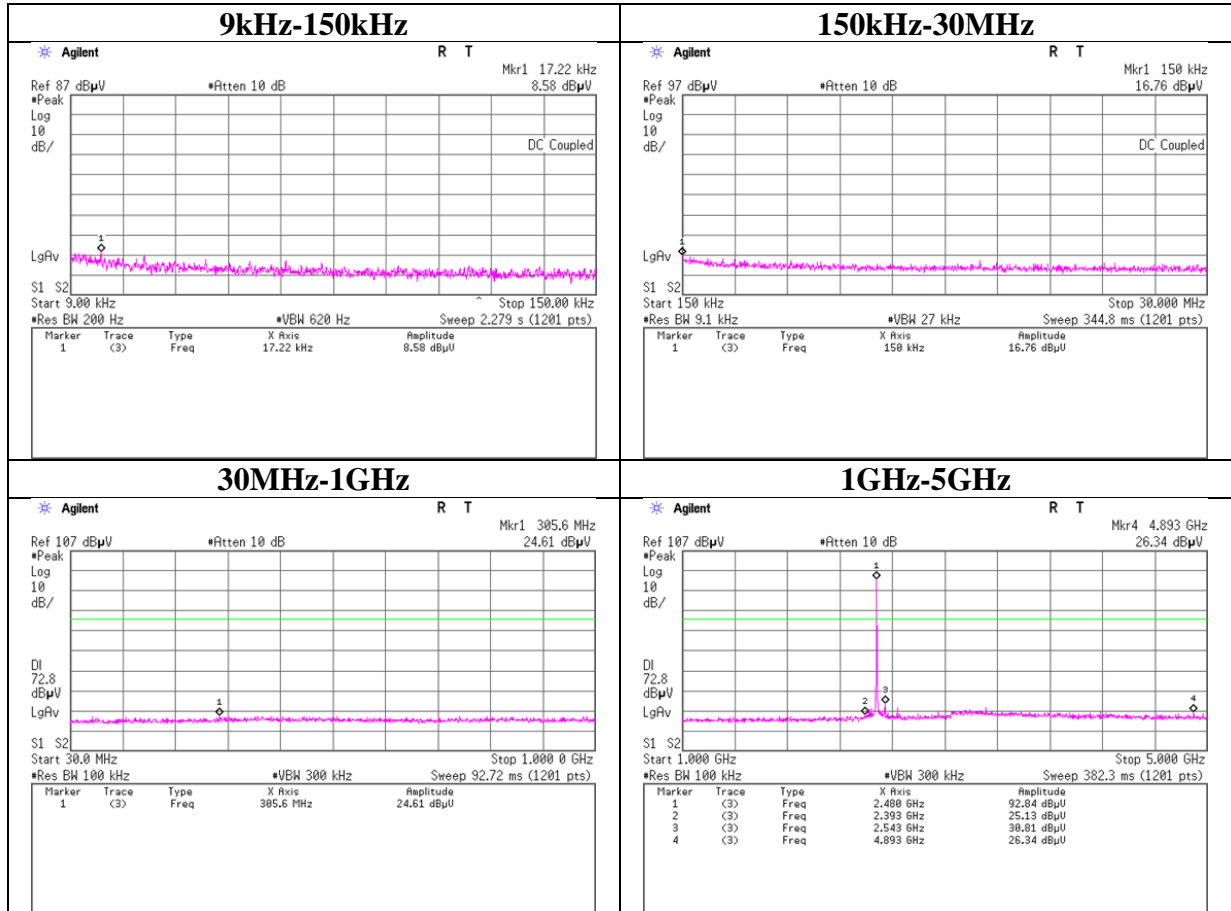
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

### Tx 3DH5 2480MHz



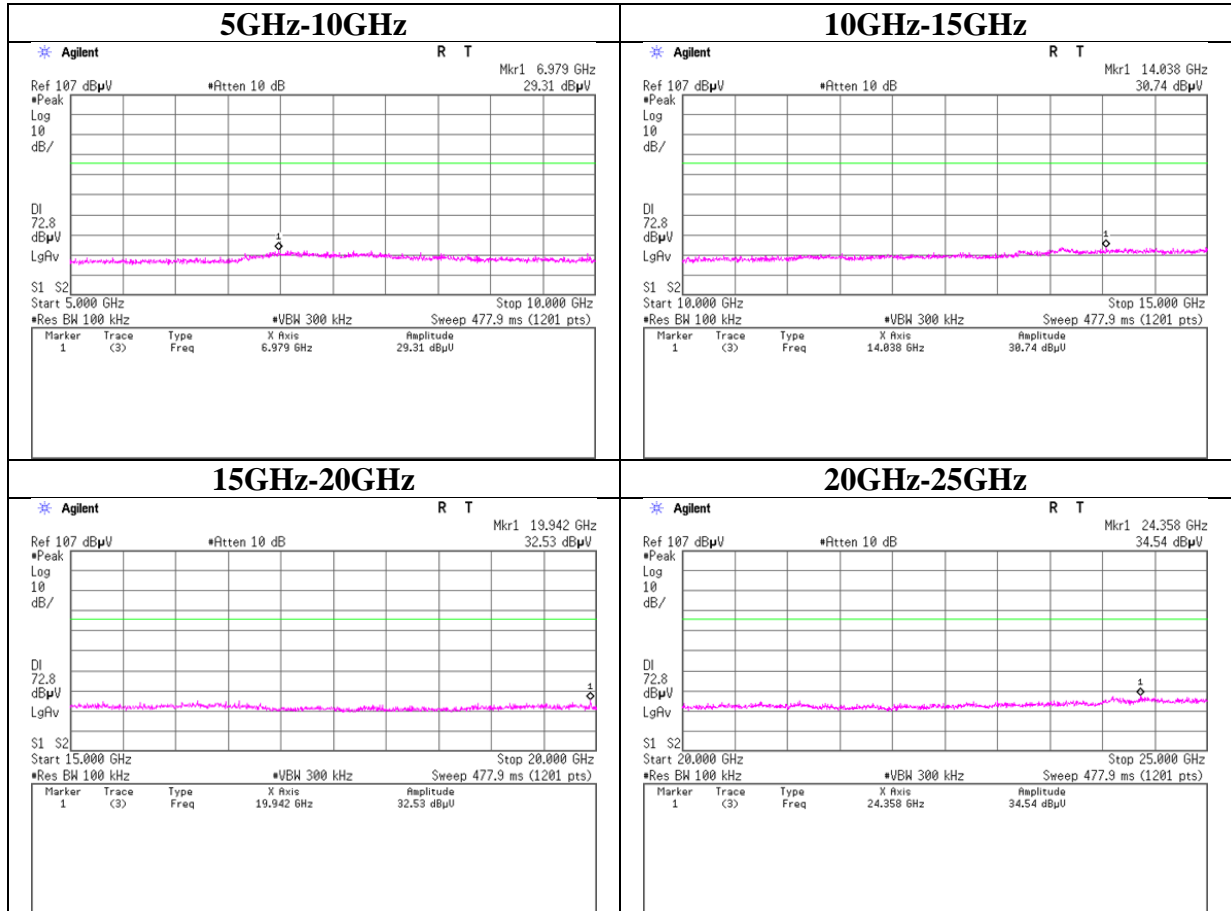
**UL Japan, Inc.**  
**Ise EMC Lab.**

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN  
Telephone : +81 596 24 8999  
Facsimile : +81 596 24 8124

## Conducted Spurious Emission

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) 3DH5

### Tx 3DH5 2480MHz



**UL Japan, Inc.**

**Ise EMC Lab.**

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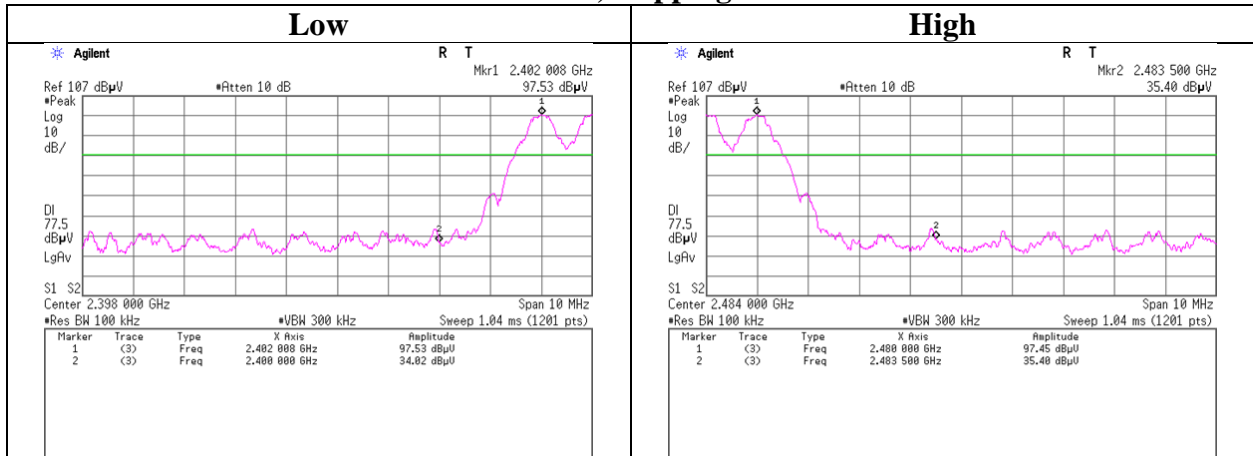
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

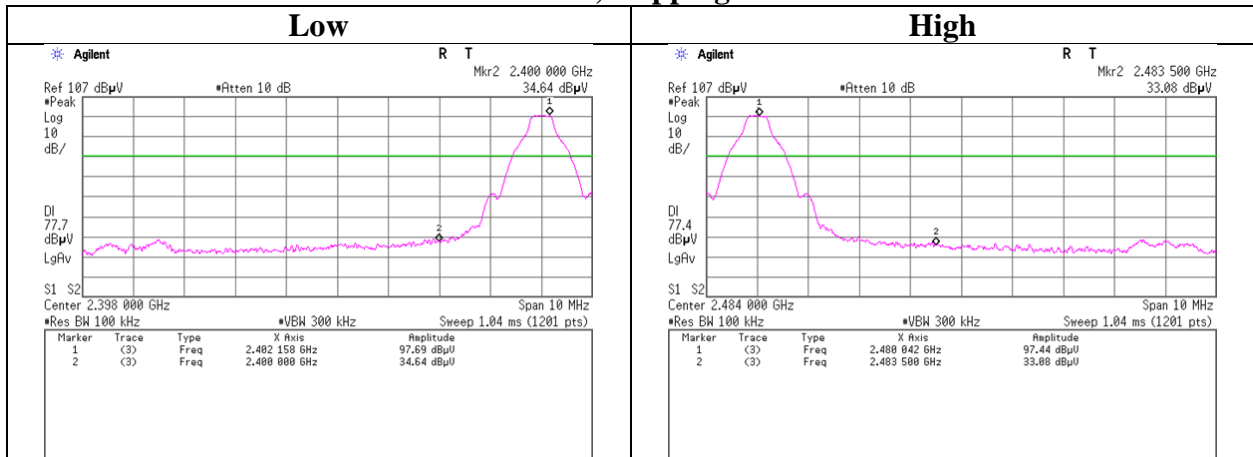
### Conducted Emission Band Edge compliance

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on / off) DH5

#### Tx DH5, Hopping on



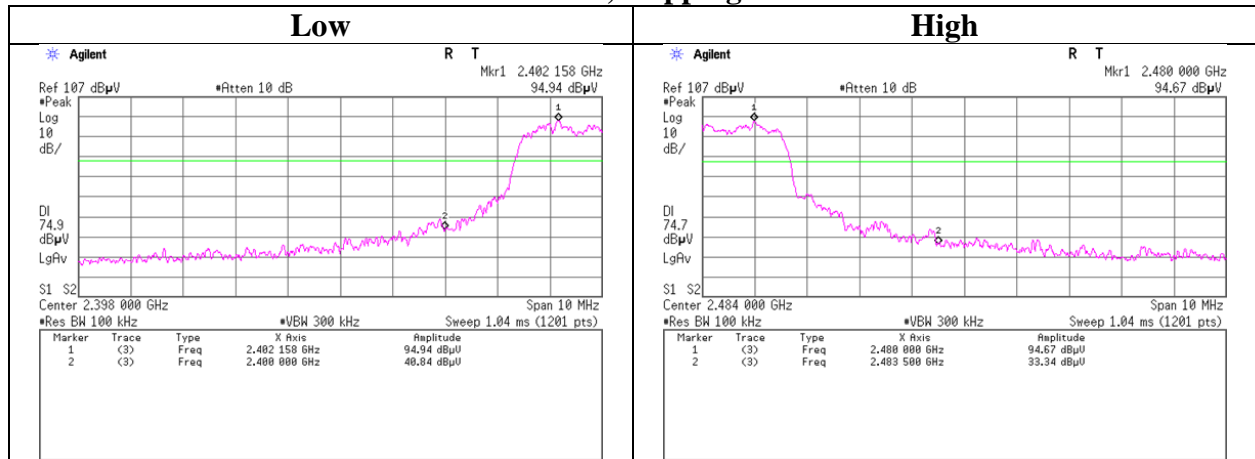
#### Tx DH5, Hopping off



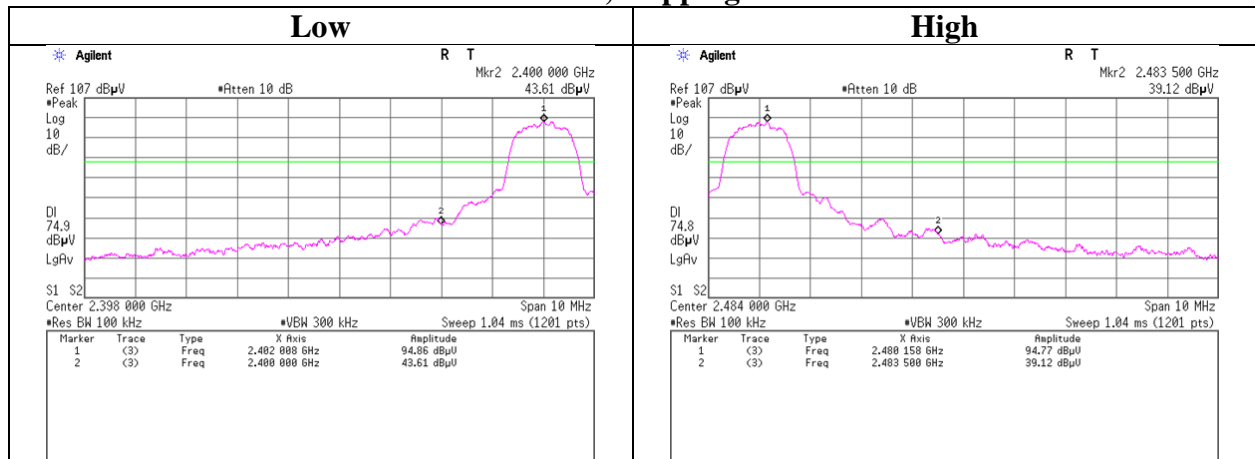
**Conducted Emission Band Edge compliance**

Test place Ise EMC Lab. No.11 Measurement Room  
Report No. 10689818H  
Date 03/30/2015  
Temperature/ Humidity 23deg. C / 32% RH  
Engineer Shinichi Miyazono  
Mode Tx (Hopping on / off) 3DH5

**Tx 3DH5, Hopping on**

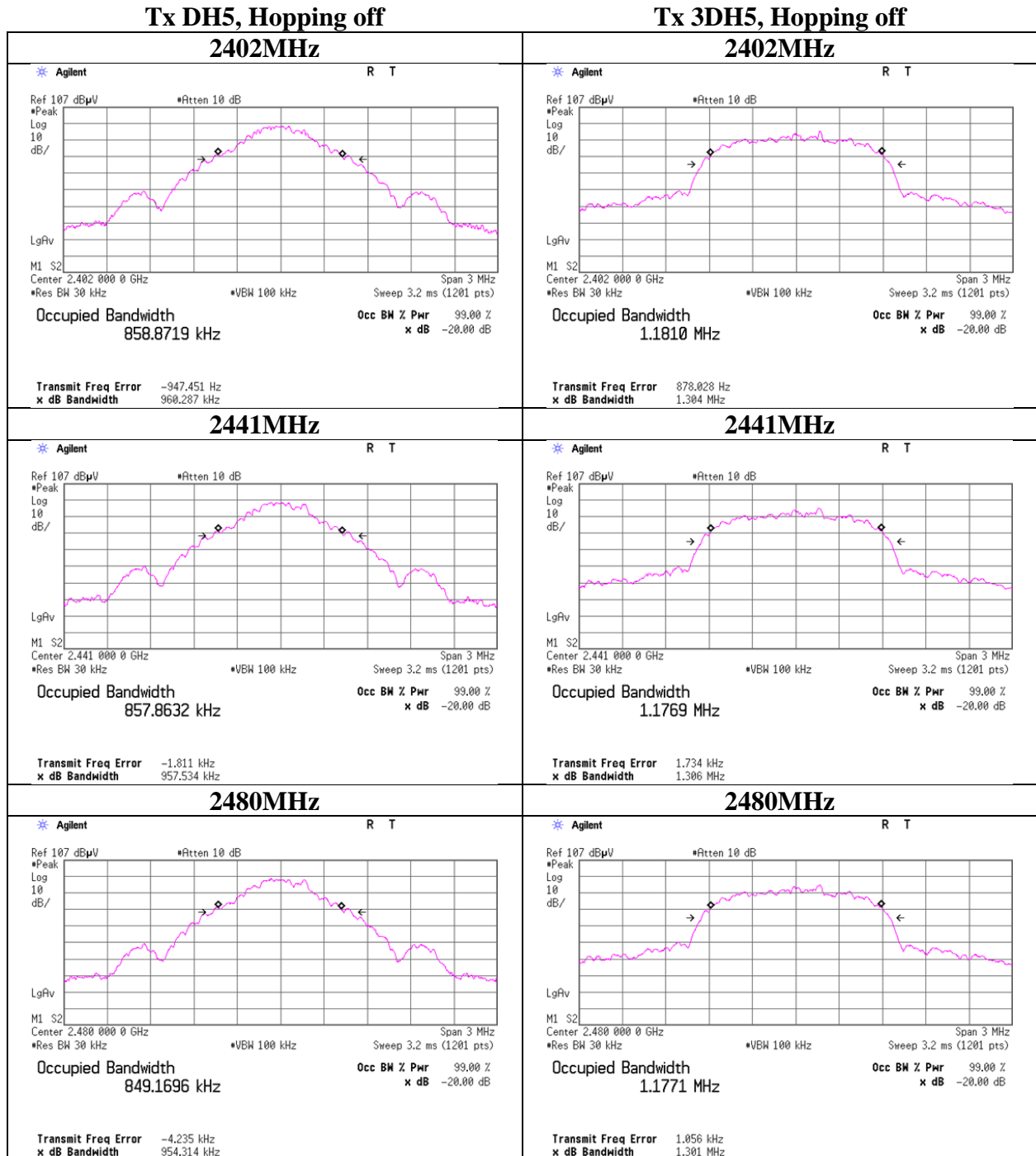


**Tx 3DH5, Hopping off**



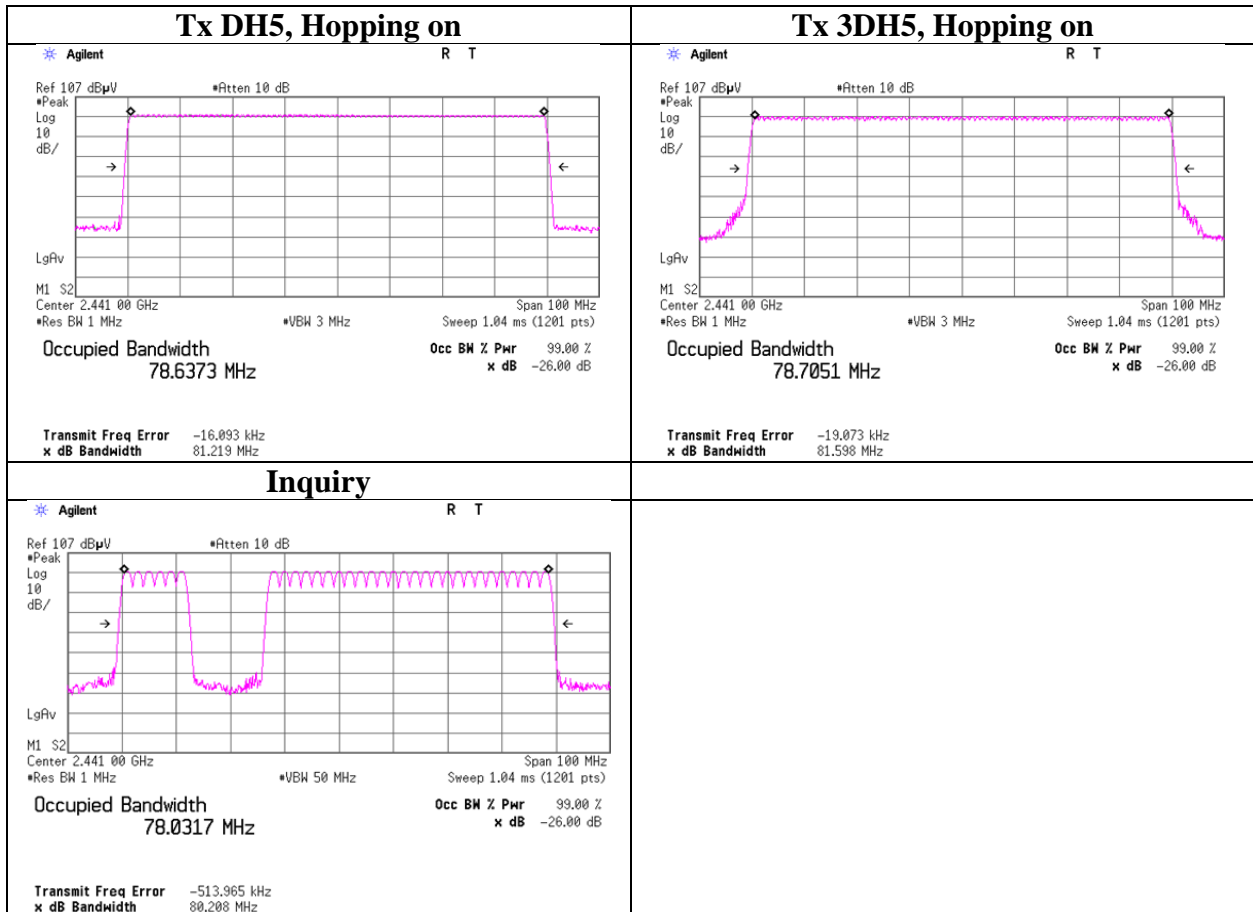
### 99%Occupied Bandwidth

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping off) DH5 / 3DH5



## 99% Occupied Bandwidth

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	03/30/2015
Temperature/ Humidity	23deg. C / 32% RH
Engineer	Shinichi Miyazono
Mode	Tx (Hopping on) DH5 / 3DH5 / Inquiry



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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

## APPENDIX 2: Test instruments

### EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-02	Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	RE	2014/06/25 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	0003	RE	2015/01/13 * 12
MJM-14	Measure	KOMELON	KMC-36	-	RE	-
COTS-MEMI	EMI measurement program	TSJ	TEPTO-DV	-	RE/CE	
MSA-14	Spectrum Analyzer	Agilent	E4440A	MY48250080	RE	2014/10/17 * 12
MHA-06	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	254	RE	2015/02/05 * 12
MCC-166	Microwave Cable	Junkosha	MWX221	1303S120(1m) / 1311S167(5m)	RE	2014/09/24 * 12
MPA-10	Pre Amplifier	Agilent	8449B	3008A02142	RE	2015/01/28 * 12
MHF-26	High Pass Filter 3.5-18.0GHz	UL Japan	HPF SELECTOR	002	RE	2014/09/24 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	100300	RE	2014/06/03 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032008	RE	2014/10/18 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	201	RE	2014/10/18 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	-	RE	2015/02/06 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2014/11/11 * 12
MPA-09	Pre Amplifier	Agilent	8447D	2944A10845	RE	2014/09/26 * 12
MHA-02	Horn Antenna 18-26.5GHz	EMCO	3160-09	1265	RE	2015/02/05 * 12
MHF-06	High Pass Filter 3.5-24GHz	TOKIMEC	TF323DCA	601	RE	2014/05/21 * 12
MAEC-04	Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE/CE	2015/02/26 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	1501	RE/CE	2015/01/13 * 12
MJM-23	Measure	ASKUL	-	-	RE/CE	-
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	100084	RE/CE	2014/11/10 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	1302	RE	2014/11/22 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	N/A	RE	2014/11/22 * 12
MCC-50	Coaxial Cable	UL Japan	-	-	RE	2014/06/02 * 12
MAT-68	Attenuator	Anritsu	MP721B	6200961025	RE	2014/11/11 * 12
MLS-24	LISN(AMN)	Schwarzbeck	NSLK8127	8127-730	CE	2014/07/10 * 12
MAT-67	Attenuator	JFW Industries, Inc.	50FP-013H2 N	-	CE	2015/01/29 * 12
MCC-113	Coaxial cable	Fujikura/Suhner/TSJ	5D-2W(10m)/ SFM141(5m)/421- 010(1m)/sucoform14 1-PE(1m)/RFM- E121(Switcher)	-/04178	CE	2014/07/15 * 12

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN  
Telephone : +81 596 24 8999  
Facsimile : +81 596 24 8124



**EMI test equipment (2/2)**

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MOTS-MATM	Antenna Terminal Measurement Software	UL Japan	-	-	AT	-
MOS-19	Thermo-Hygrometer	Custom	CTH-201	0001	AT	2014/12/22 * 12
MSA-15	Spectrum Analyzer	Agilent	E4440A	MY46187105	AT	2014/11/11 * 12
MCC-144	Microwave Cable	Junkosha	MWX221	1207S407	AT	2014/08/08 * 12
MCC-37	Microwave Cable	Hirose Electric	U.FL-2LP-066-A- (200)	-	AT	2014/09/25 * 12
MAT-24	Attenuator(10dB)(above 1GHz)	Agilent	8493C	71389	AT	2014/06/12 * 12
MPM-13	Power Meter	Anritsu	ML2495A	0824014	AT	2014/11/11 * 12
MPSE-18	Power sensor	Anritsu	MA2411B	0738174	AT	2014/11/11 * 12

**The expiration date of the calibration is the end of the expired month.**

**All equipment is calibrated with valid calibrations. Each measurement data 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 test**

**RE: Radiated Emission test**

**AT: Antenna Terminal Conducted test**

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**Ise EMC Lab.**

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