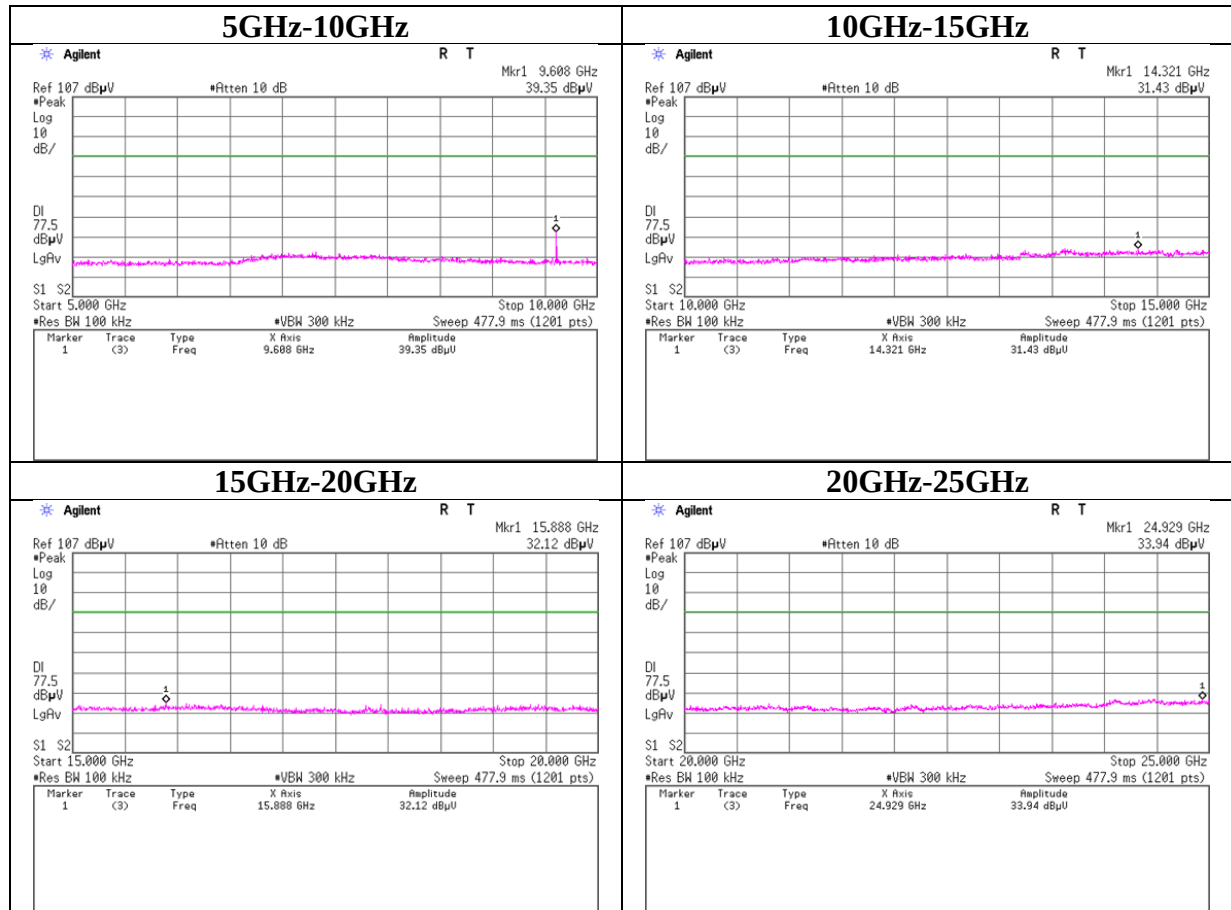


Conducted Spurious Emission

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



UL Japan, Inc.

Ise EMC Lab.

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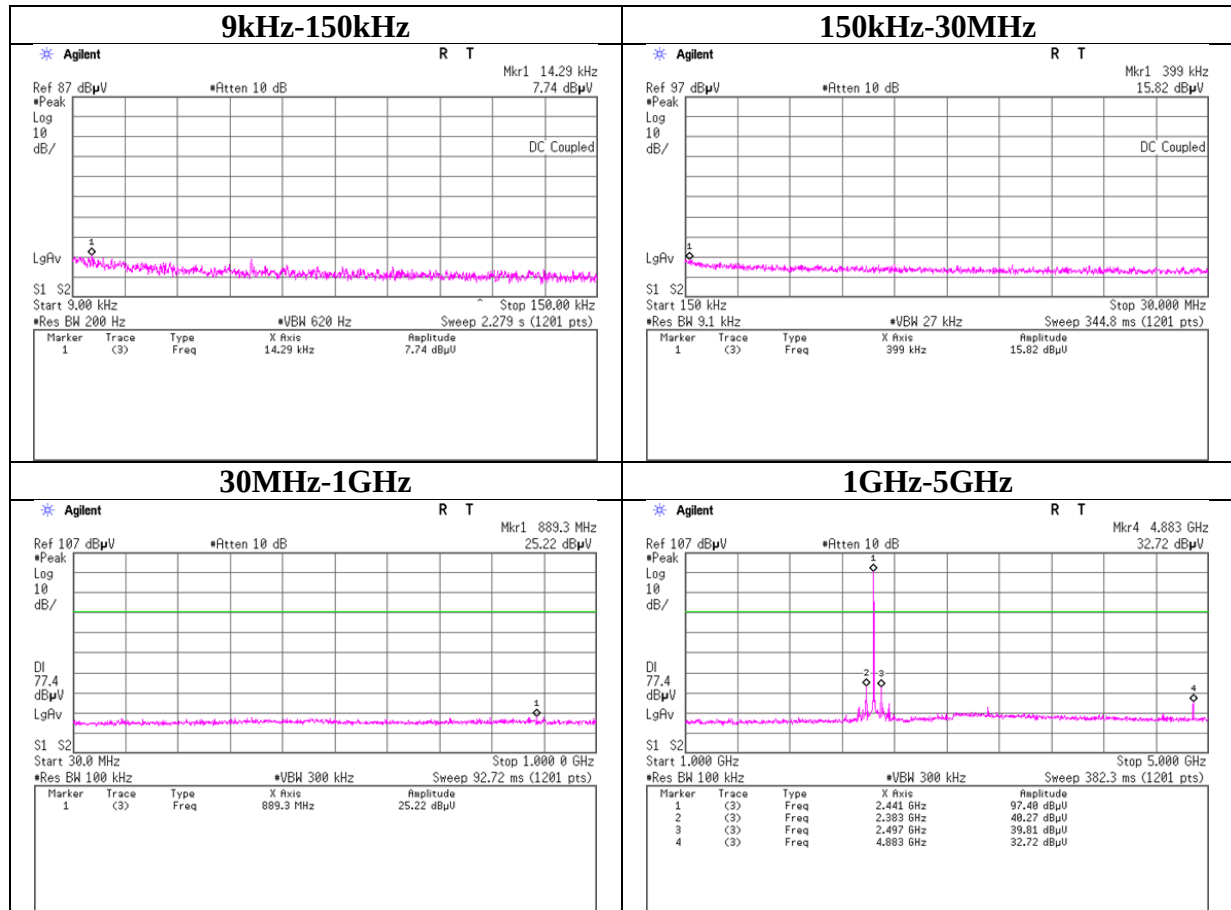
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) DH5

Tx DH5 2441MHz



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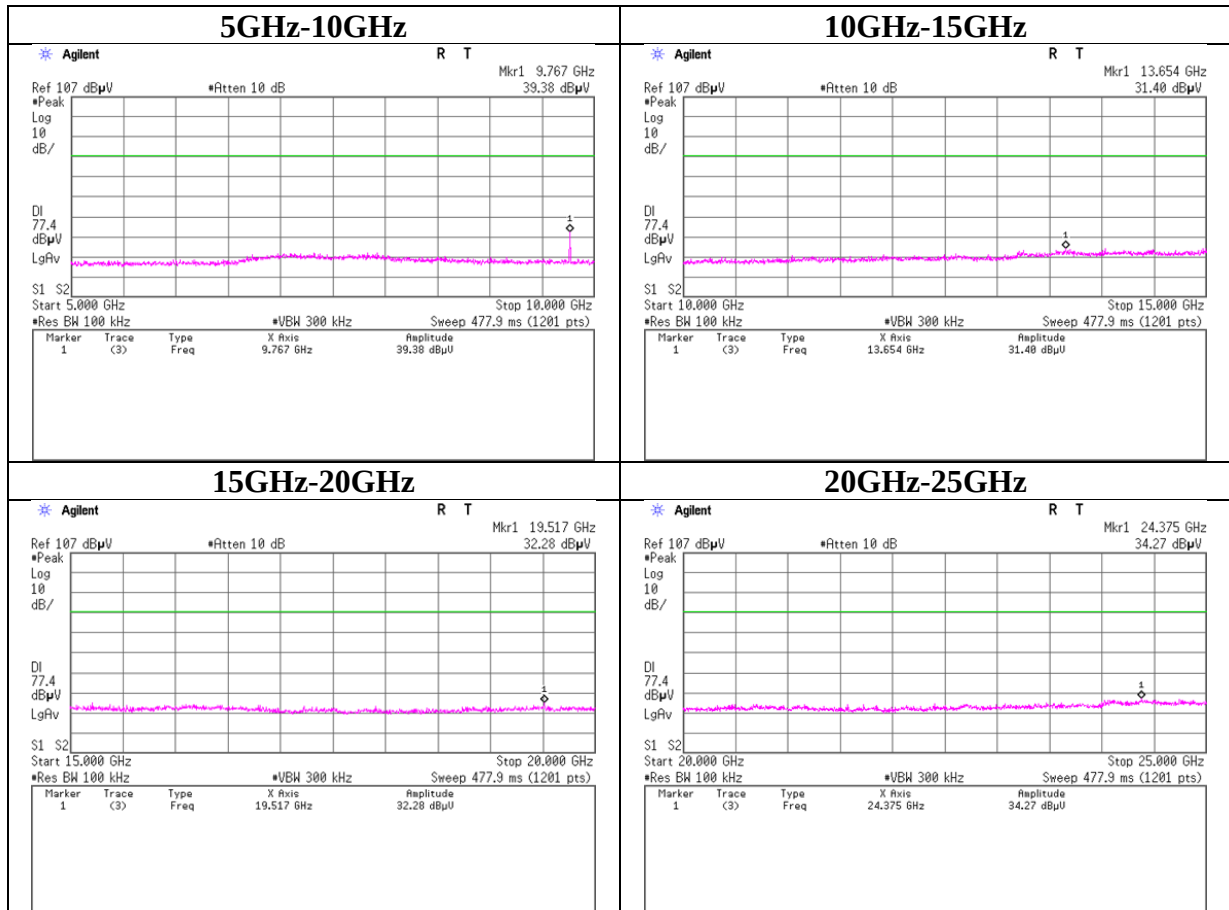
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) DH5

Tx DH5 2441MHz



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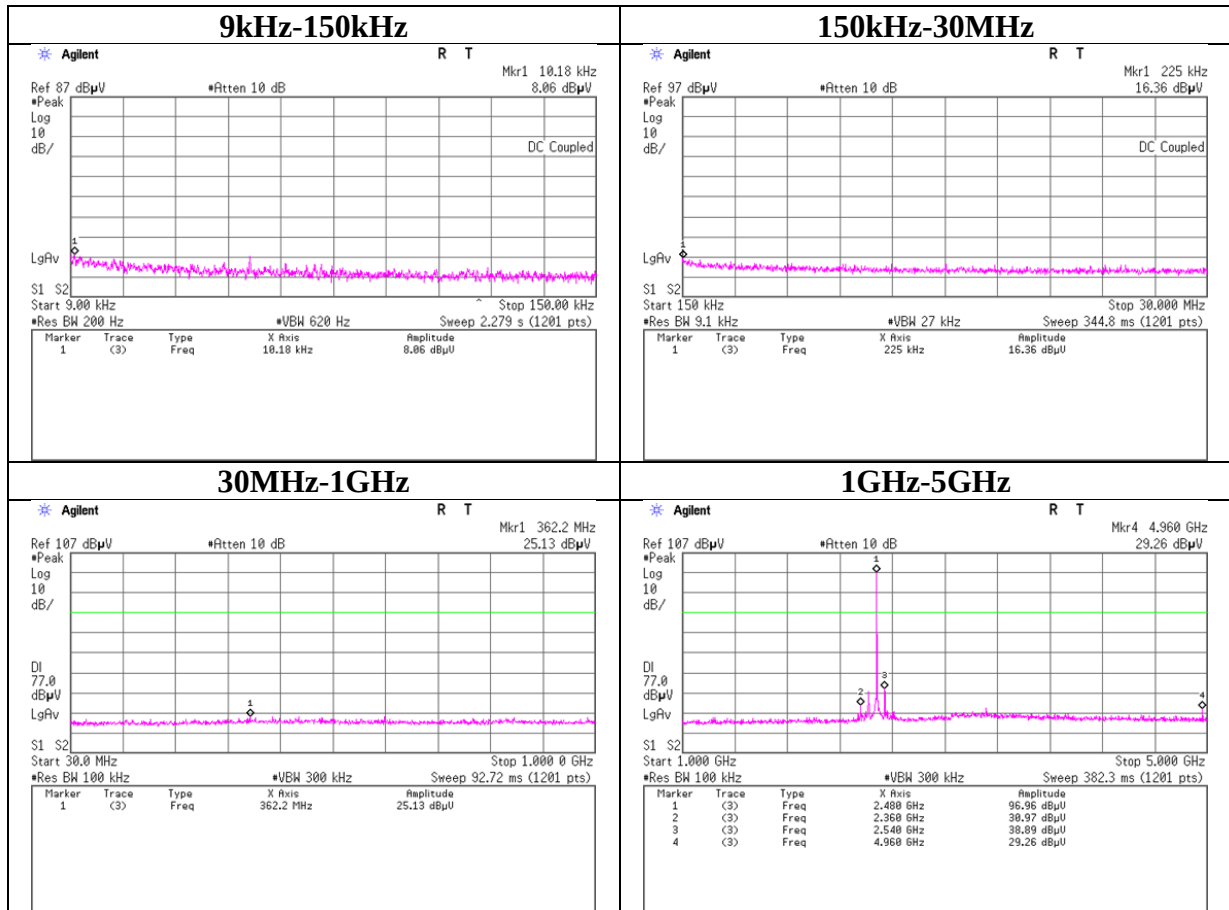
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) DH5

Tx DH5 2480MHz



UL Japan, Inc.

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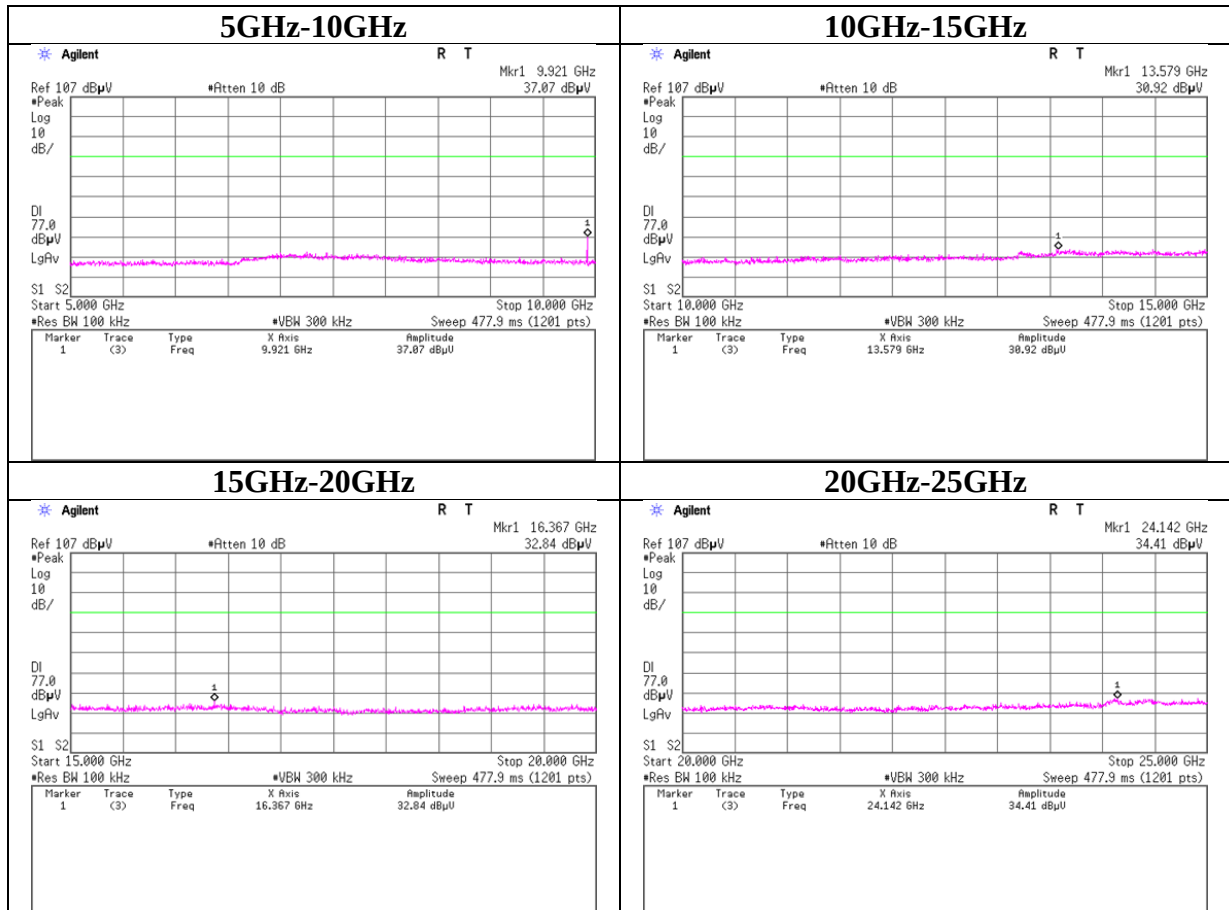
Telephone : +81 596 24 8999

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



UL Japan, Inc.

Ise EMC Lab.

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Telephone : +81 596 24 8999

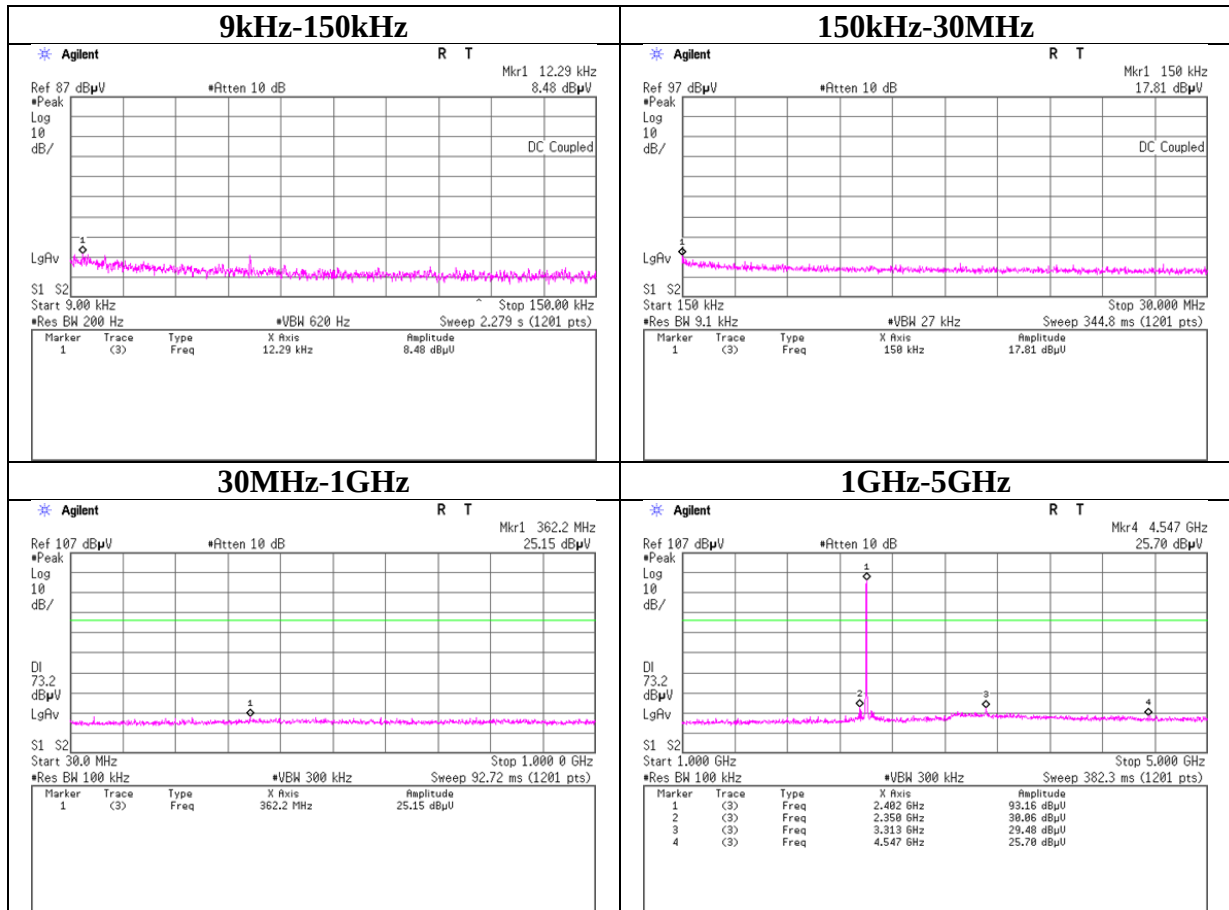
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) 3DH5

Tx 3DH5 2402MHz



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Conducted Spurious Emission

Test place

Report No.

Date

Temperature/ Humidity

Engineer

Mode

Ise EMC Lab. No.11 Measurement Room

10689818H

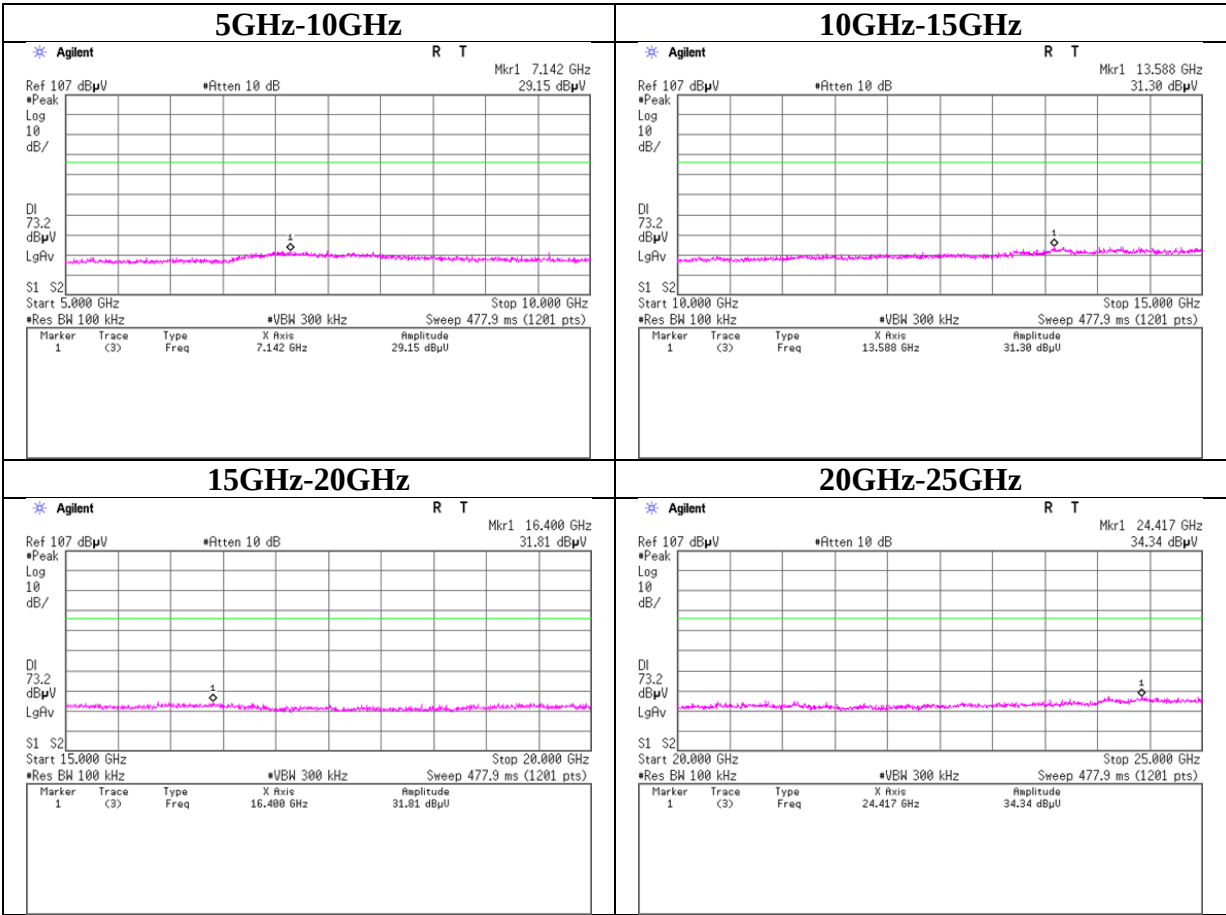
03/30/2015

23deg. C / 32% RH

Shinichi Miyazono

Tx (Hopping on) 3DH5

Tx 3DH5 2402MHz

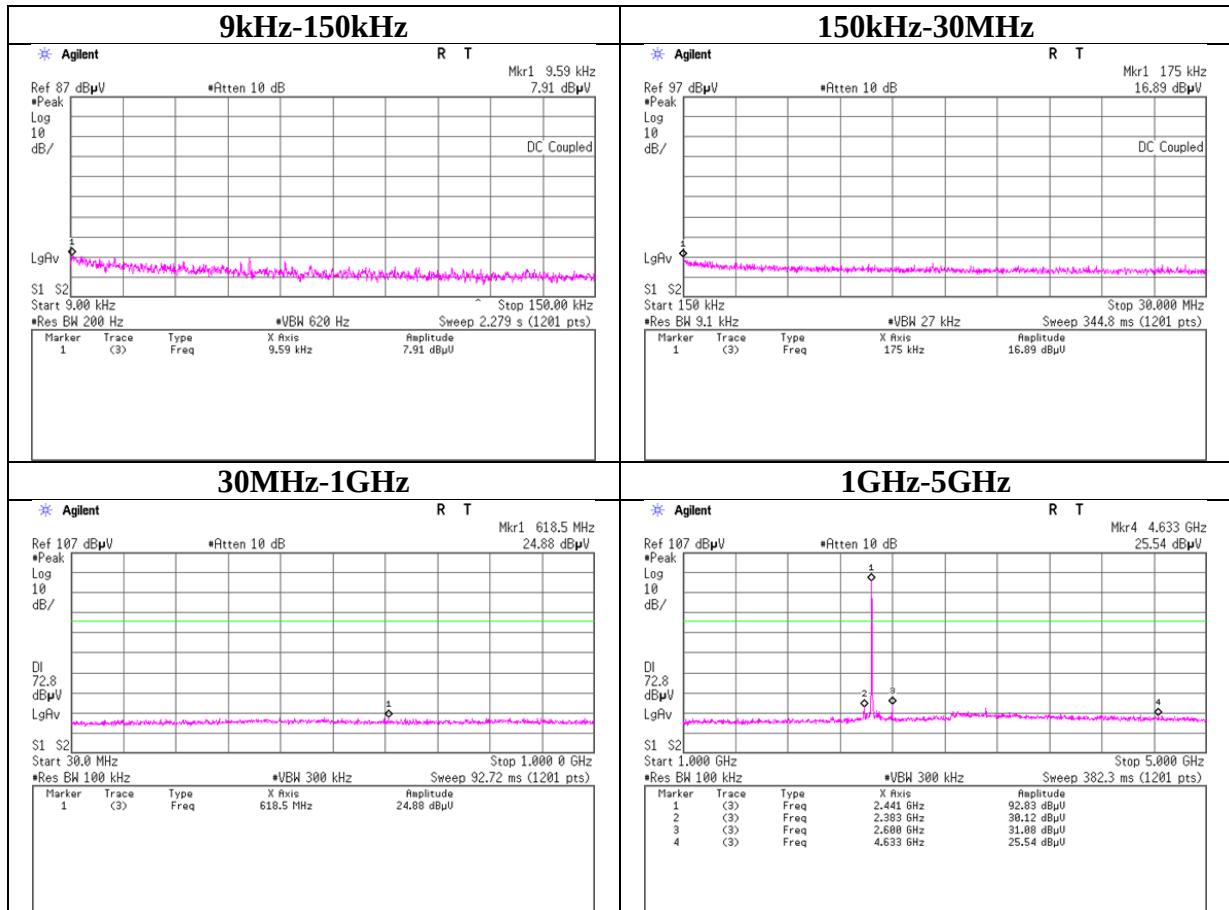


Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) 3DH5

Tx 3DH5 2441MHz



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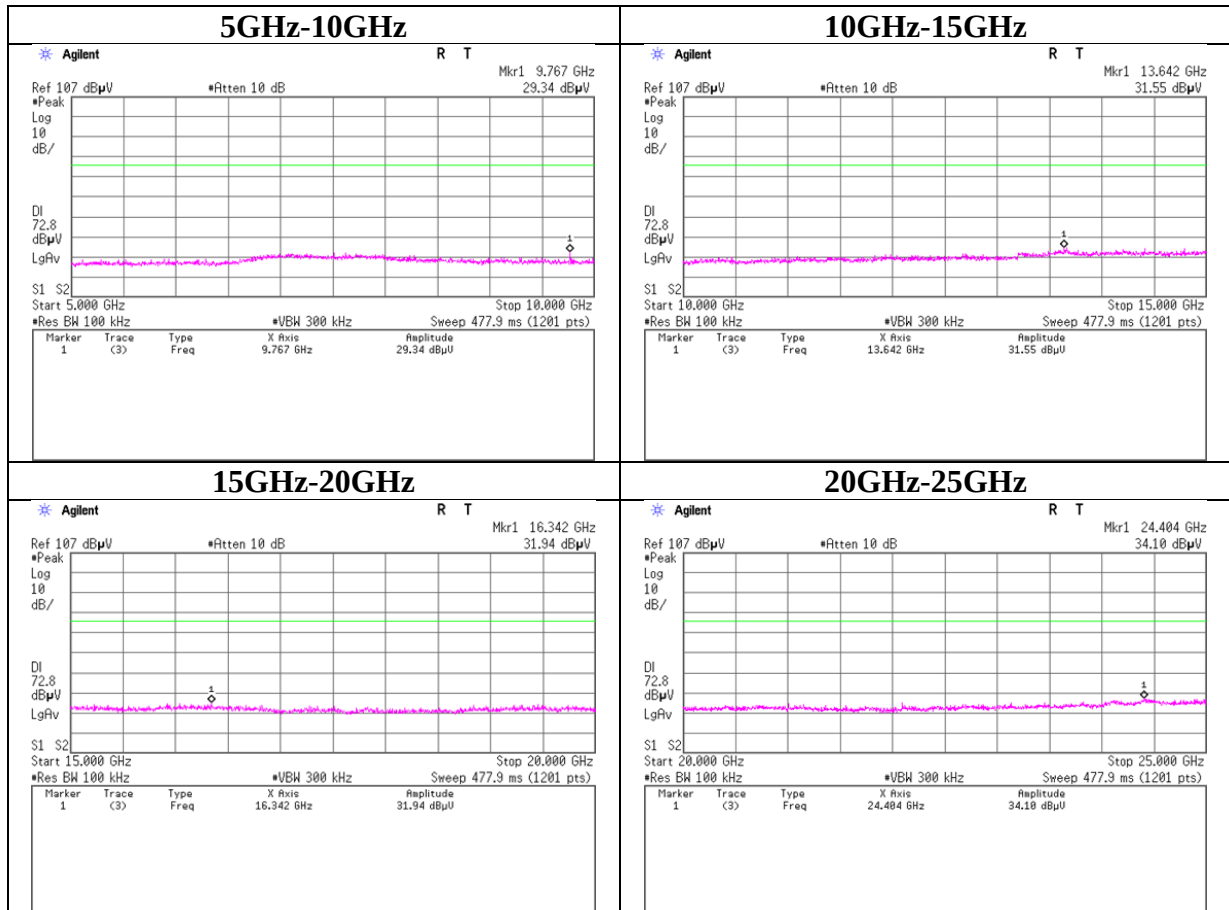
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) 3DH5

Tx 3DH5 2441MHz



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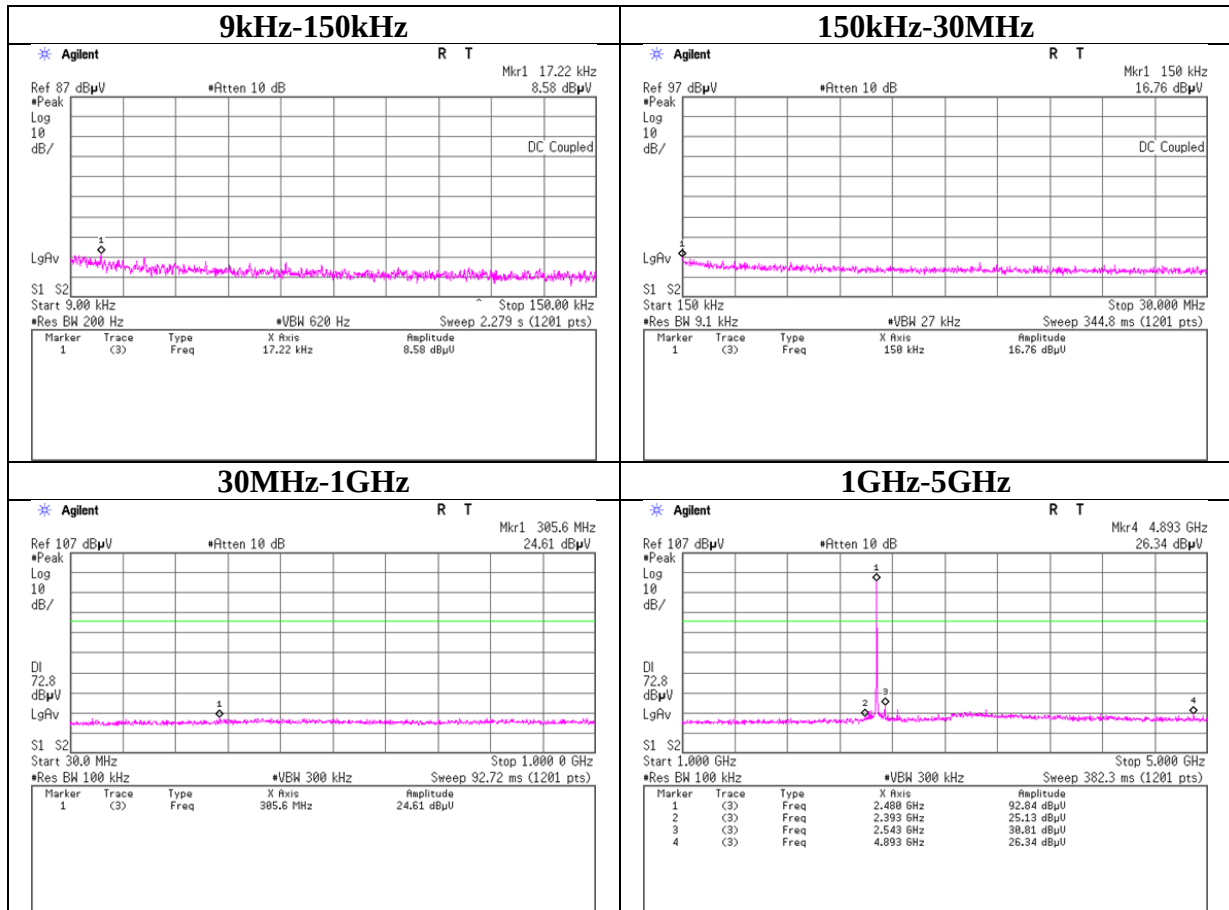
Facsimile : +81 596 24 8124

Conducted Spurious Emission

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) 3DH5

Tx 3DH5 2480MHz



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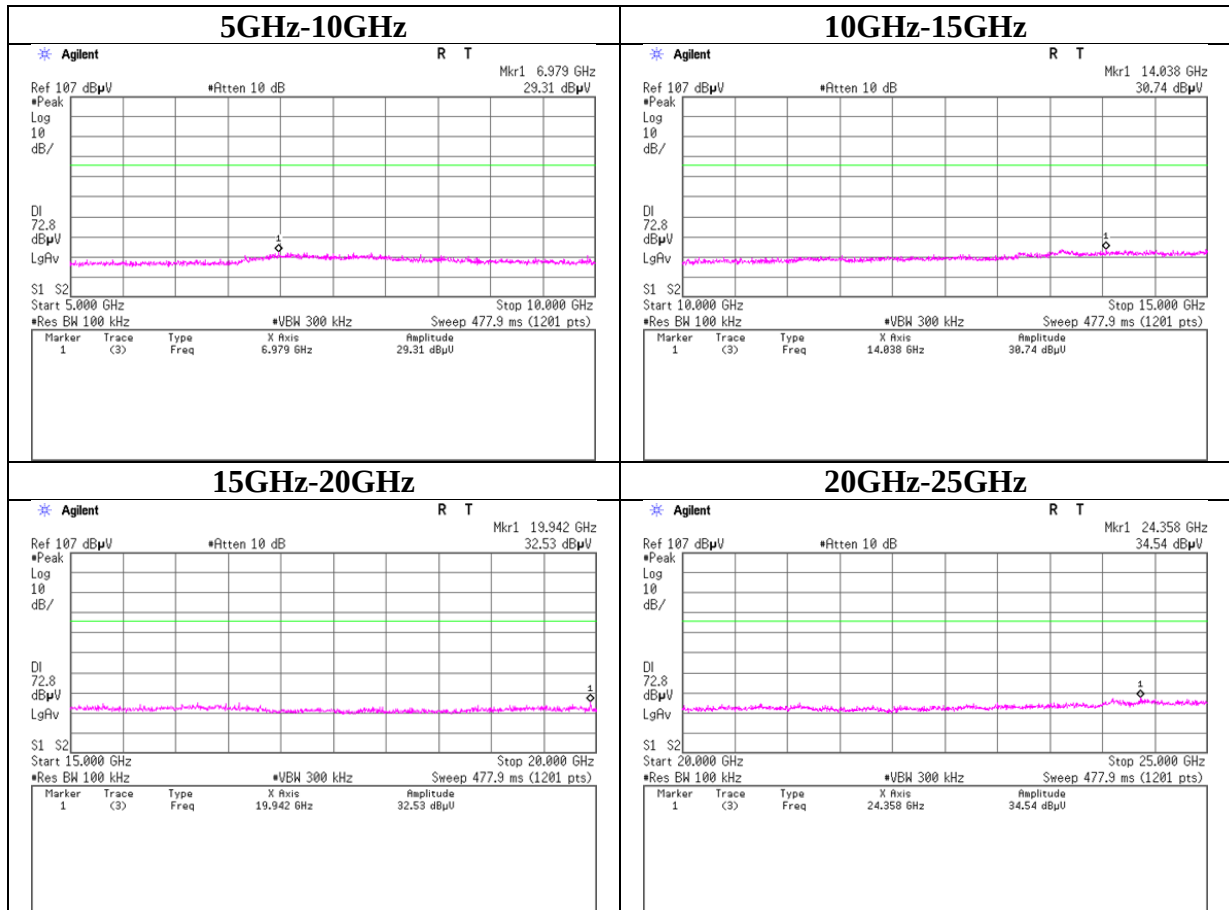
Telephone : +81 596 24 8999

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 2480MHz



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Conducted Emission Band Edge compliance

Test place

Report No.

Date

Temperature/ Humidity

Engineer

Mode

Ise EMC Lab. No.11 Measurement Room

10689818H

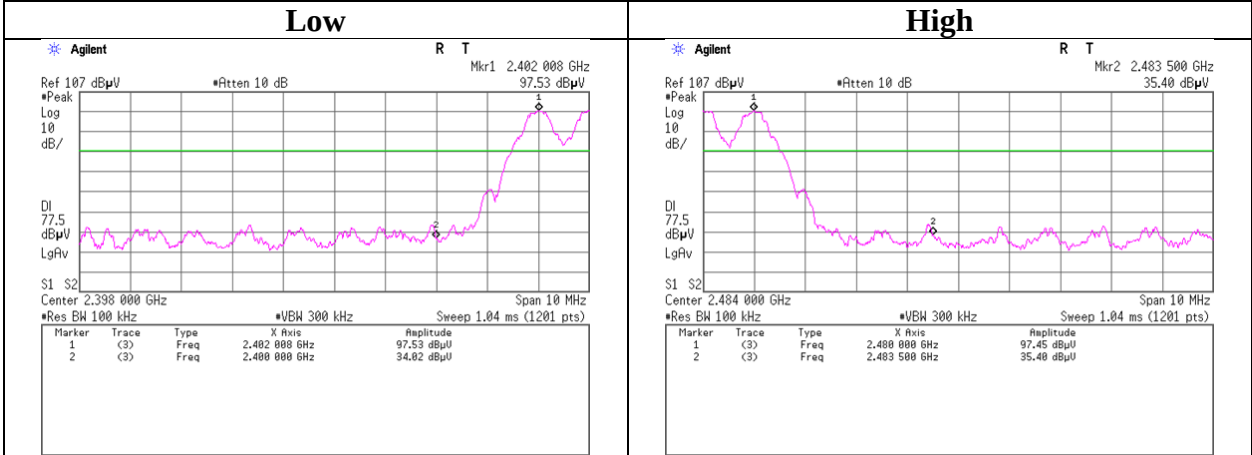
03/30/2015

23deg. C / 32% RH

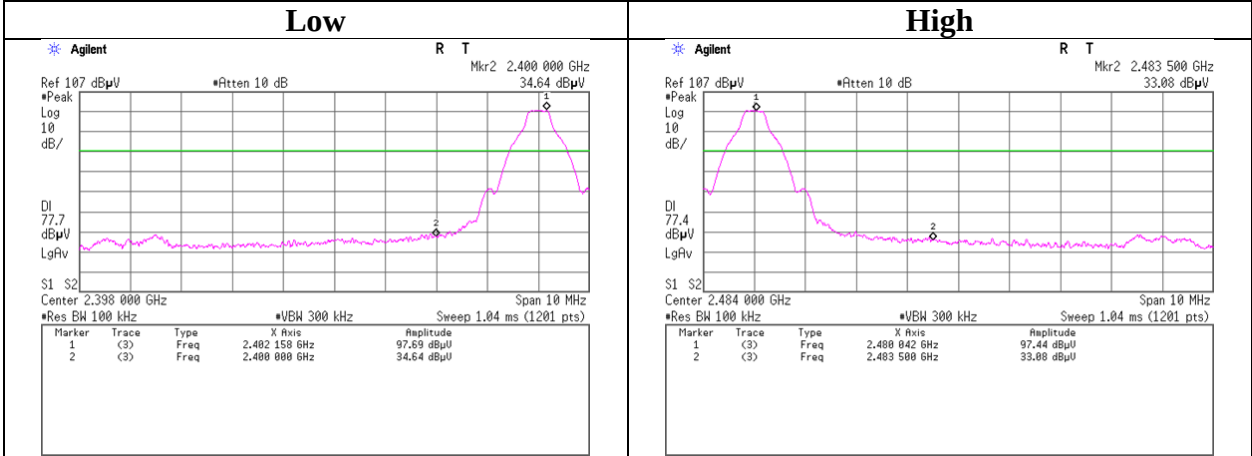
Shinichi Miyazono

Tx (Hopping on / off) DH5

Tx DH5, Hopping on



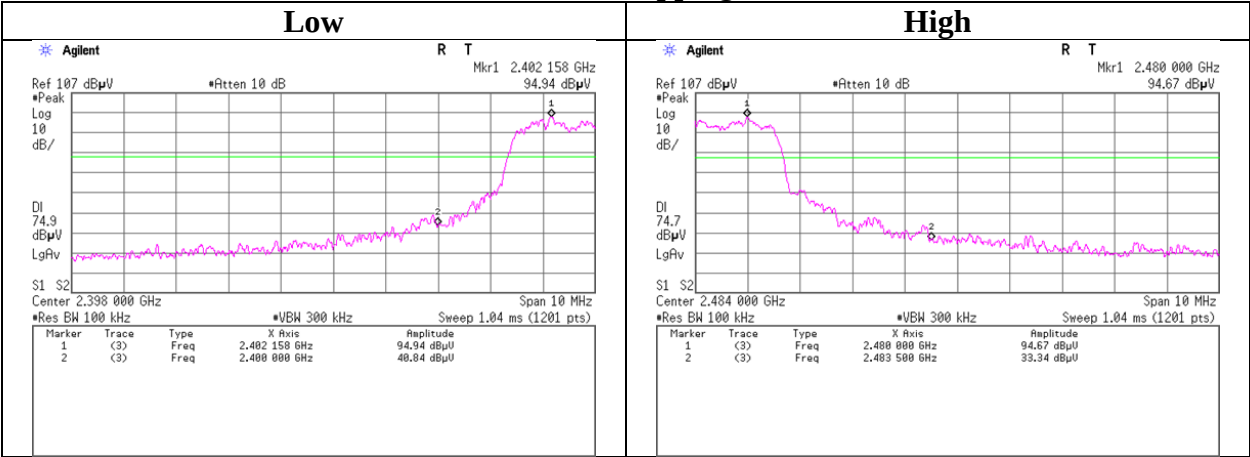
Tx DH5, Hopping off



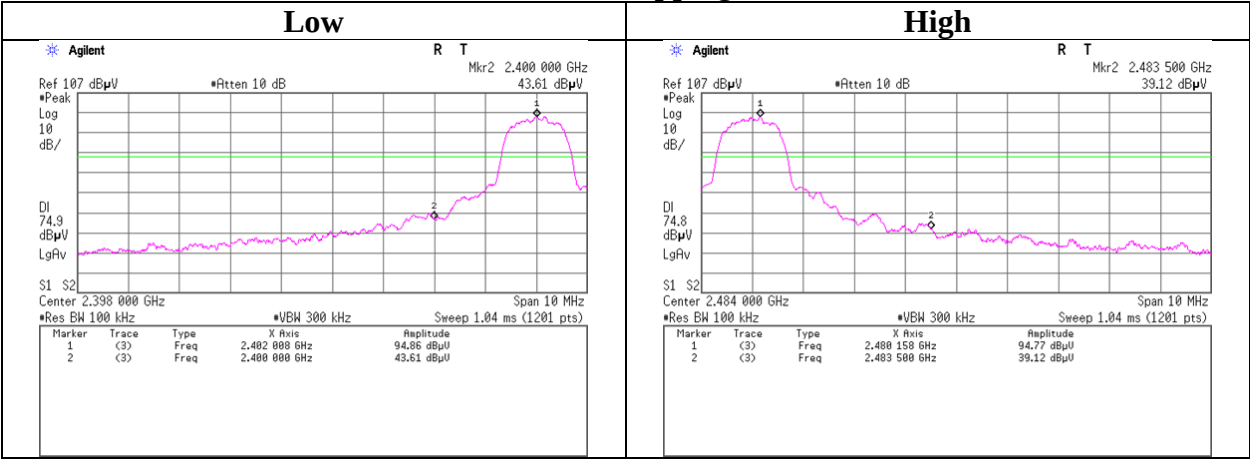
Conducted Emission Band Edge compliance

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

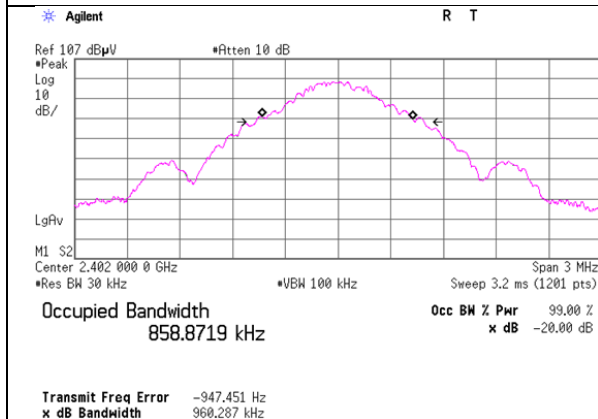


99%Occupied Bandwidth

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

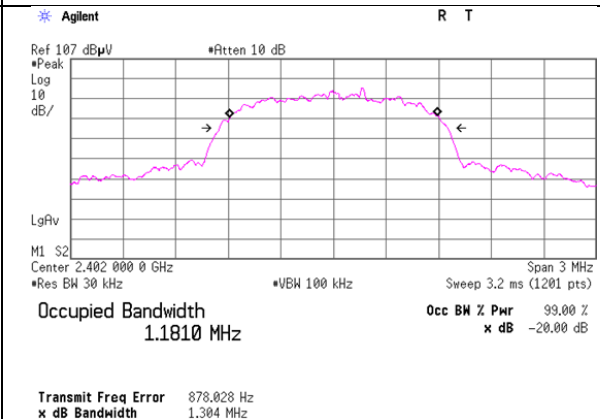
Tx DH5, Hopping off

2402MHz

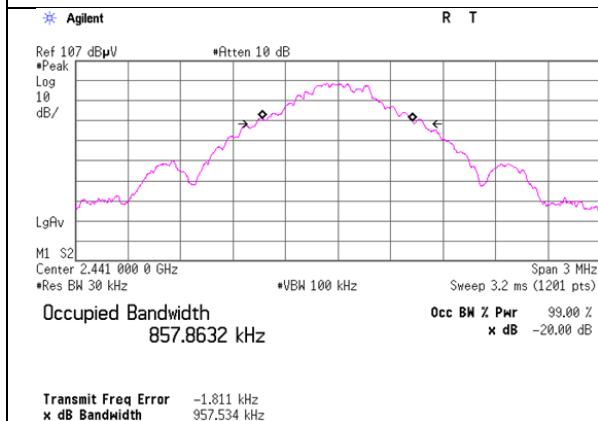


Tx 3DH5, Hopping off

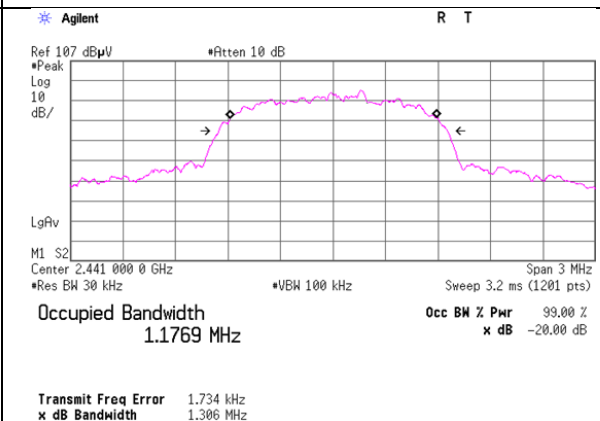
2402MHz



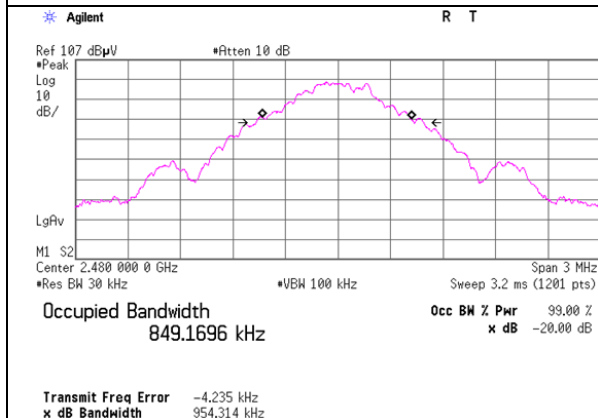
2441MHz



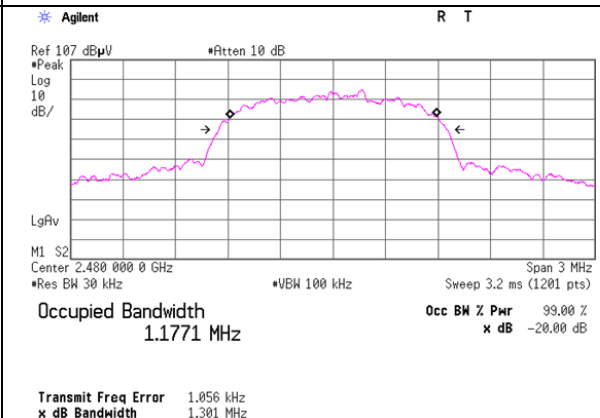
2441MHz



2480MHz



2480MHz



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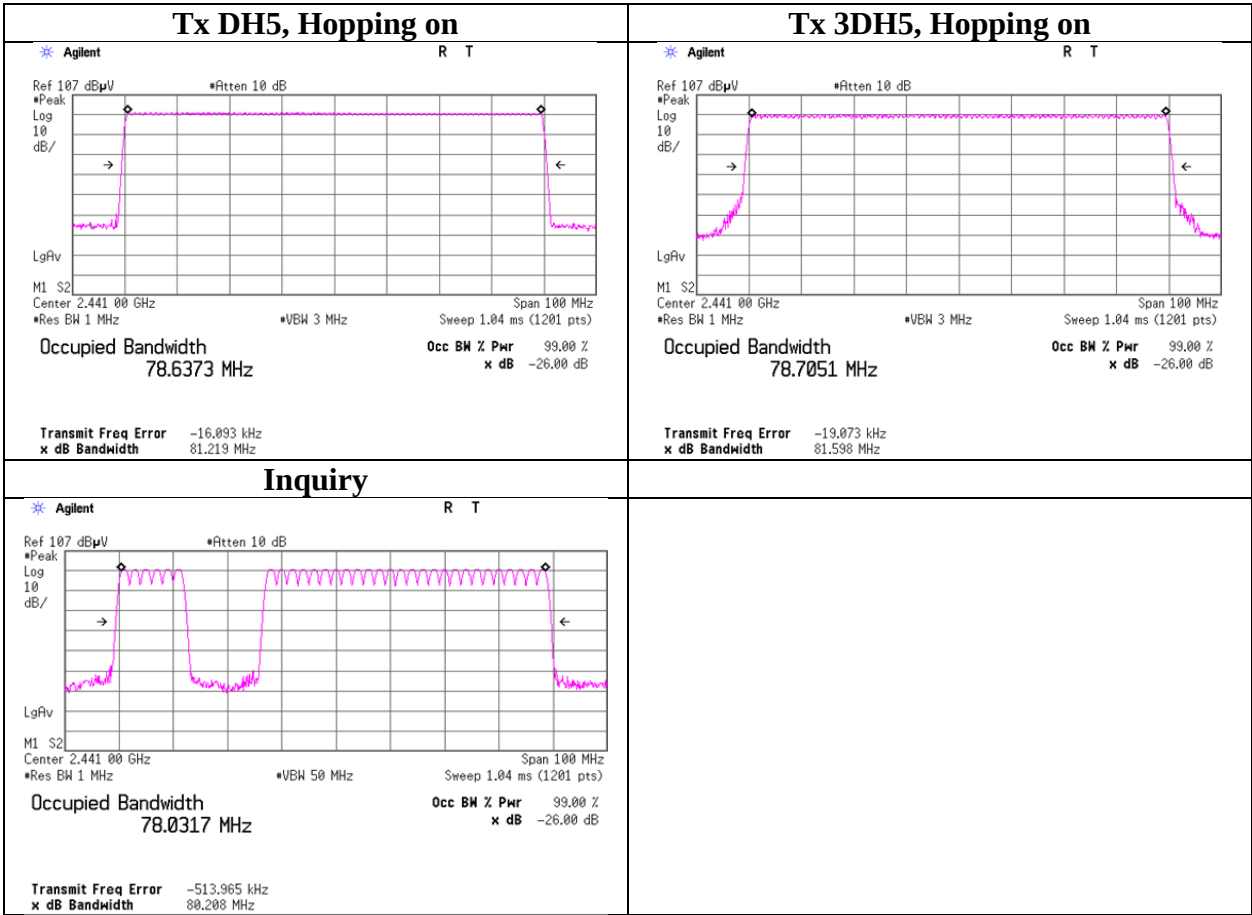
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

99% Occupied Bandwidth

Test place
Report No.
Date
Temperature/ Humidity
Engineer
Mode

Ise EMC Lab. No.11 Measurement Room
10689818H
03/30/2015
23deg. C / 32% RH
Shinichi Miyazono
Tx (Hopping on) DH5 / 3DH5 / Inquiry



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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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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