

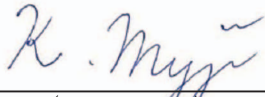


MEASUREMENT/TECHNICAL REPORT FCC Part 15 Subpart C

Issued: November 22, 2013

Name and Address of the Applicant:	SEIKO EPSON Corporation 6925 Tazawa, Toyoshina, Azumino-shi, Nagano, 399-8285 Japan	
Test Item:	See-Through Mobile Viewer	
Identification:	H560A	
Serial No.:	No. 02 / No. 01 / No. 03	
FCC ID:	SKSH560A (Grantee Code + Product Code)	
Sample Receipt Date:	February 18, 2013 October 1, 2013	
Test Specification:	FCC Part 15 Subpart C	
Date of Testing:	March 20, 22 and 27, 2013 April 1, 4, 5, 16, 18, 19, 22, 23, 24 and 25, 2013 May 2, 2013 June 10, 2013 October 23, 2013	
Test Result:	PASS	

Report Prepared by:	Cosmos Corporation 3571-2 Oonoki Watarai-cho Watarai-gun, Mie-ken 516-2102 Japan Phone: +81-596-63-0707 Fax: +81-596-63-0777	
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Tested by:	 (2013-11-22)	K. Miyaji iNARTE : EMC-003627-NE
Reviewed by:	 (2013-11-22)	H. Onishi, EMC Manager iNARTE : EMC-003318-NT

Note:

1. This Test Report should not be reproduced except in full, without the written approval of Cosmos Corporation.
2. All measurement data contained in this Test Report may have uncertainty. A judgment for the limitation should be taken into the count.
3. The test result of this Test Report is based on the tests made for sample provided, and it is not applicable to individual product identical to the sample or similar product.
4. The judgment of this Test Report validates the test item only specified in "4. Summary of Test Results".

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1. Description of Equipment under Test

1.1 Product Description

Manufacturer	SEIKO EPSON Corporation
Model (referred to as the EUT)	H560A
Transmitter Type	☐ WLAN () ☒ Bluetooth ☐ ZigBee ☐ RFID ☐ Other ()
Nominal Voltage	DC 5 V
Type of Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK (FHSS)
Mode of Operation	☒ Simplex ☐ Duplex ☐ Other
Type of Equipment	☒ Stand-alone ☐ Combined Equipment ☐ Plug-in Card ☐ Other (Module Unit)
Type of Antenna	☒ Integral ☐ External ☐ Other
Type of Power Source	☐ AC Mains ☒ Dedicated AC Adaptor (AC 100 to 240 V) ☐ DC Voltage ☒ Battery
Type of Battery (if applicable)	Lithium-ion Polymer Battery
Type of Operation	☐ Continuous ☐ Burst ☒ Intermittent
Frequency Band Lower limit Upper limit	2400 MHz 2483.5 MHz
Frequency of Operation	2402 MHz to 2480 MHz
Thermal Limitation	5°C to 35°C

1.2 Antenna Description

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT.

The user can not replace the antenna easily.

Therefore, the equipment complies with the antenna requirement of Section 15.203.

No.	Model	Gain	Antenna Type	Remarks
1	AH_212M245001	0.9 dBi	Multilayer Monopole Chip Antenna	Integral

1.3 Tested System Details

See-Through Mobile Viewer is composed of Head Set, Controller, Audio Jack Unit.

No.	Equipment	Manufacturer	Model	Serial No.	FCC ID	Rating
1	Controller (EUT1)	SEIKO EPSON	H560A	No. 02	---	DC 5 V, 0.9 A
2	Head Set (EUT2)				---	
3	Audio Jack Unit (EUT3)				---	
4	Controller (EUT4)	SEIKO EPSON	H560A	No. 01	---	DC 5 V, 0.9 A
5	Head Set (EUT5)				---	
6	Audio Jack Unit (EUT6)				---	
7	Controller (EUT7)	SEIKO EPSON	H560A	No. 03	---	DC 5 V, 0.9 A
8	Head Set (EUT8)				---	
9	Audio Jack Unit (EUT9)				---	
10	AC Adaptor (EUT10)	SEIKO EPSON	PSM05F-050 (VP)-R	89	---	AC 100-240 V, 50-60 Hz, 0.15 A
11	AC Adaptor (EUT11)	SEIKO EPSON	PSM05F-050 (VP)-R	131500062A1	---	AC 100-240 V, 50-60 Hz, 0.15 A

2. General Information

2.1 Test Methodology

All measurement subject to the present report was carried out according to the procedures in ANSI C63.4:2003.

2.2 Test Facility

The measurement was carried out at the following facility.

Cosmos Corporation EMC Lab. Oonoki
3571-2 Oonoki, Watarai-cho, Watarai-gun, Mie-ken 516-2102, Japan
☒ Semi anechoic chamber 3 m
☒ Shielded room

Cosmos Corporation EMC Lab. Oonoki is accredited in accordance with the International Standard ISO/IEC 17025 by the following accreditation bodies and the test facility is registered by the following bodies.

Accreditation: A2LA Accredited Laboratory. No. 2900.01
Nemko Laboratory Authorisation. No. ELA 621

Registration: FCC Registration No. 604492
Industry Canada Registration No. 3958B

2.3 Traceability

The calibration of measurement equipment used in the test subject to the present report is designed and operated to ensure that the measurement is traceable to national standards of measurement or equivalent abroad.

3. Test Condition (Manufacturer's Specification)

3.1 Mode of Operation

Mode of operation:

- Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5)
- Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5) including the Function of Charging a Battery

Note: The EUT makes communication emission with the maximum RF power by a special test program.

EUT makes continuous RF transmitting with manufacturer's specified power.

The test of Maximum Peak Conducted Output Power was performed under the following condition:

Voltage: 120 VAC $\pm$ 15%

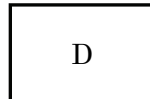
3.2 Test Configuration

	Instrument	Model		Cable	Length	Shield
A	EUT1	H560A (S/N: No. 02)	a	AC Power Cord	1.5 m	×
B	EUT2		b	AC Power Cord	1.0 m	×
C	EUT3		c	USB Cable	0.8 m	○
D	EUT4	H560A (S/N: No. 01)	d	Head Set Cable	0.6 m	○
E	EUT5		e	Head Set Cable	0.4 m	○
F	EUT6		f	Head Set Cable	0.6 m	○
G	EUT7	H560A (S/N: No. 03)	g	Head Set Cable	0.4 m	○
H	EUT8		h	Head Set Cable	0.6 m	○
I	EUT9		i	Head Set Cable	0.4 m	○
J	EUT10	PSM05F-050(VP)-R (S/N: 89)				
K	EUT11	PSM05F-050(VP)-R (S/N: 131500062A1)				

3.2 Test Configuration (Continued)

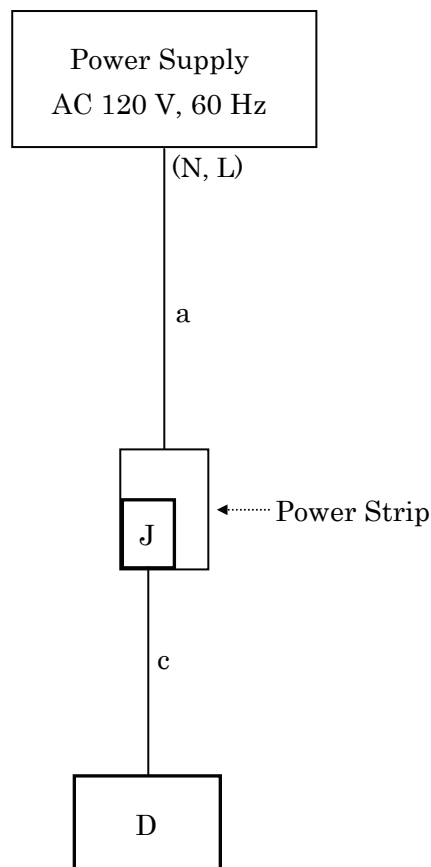
Radiated Spurious Emission Band Edge Measurement

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5)



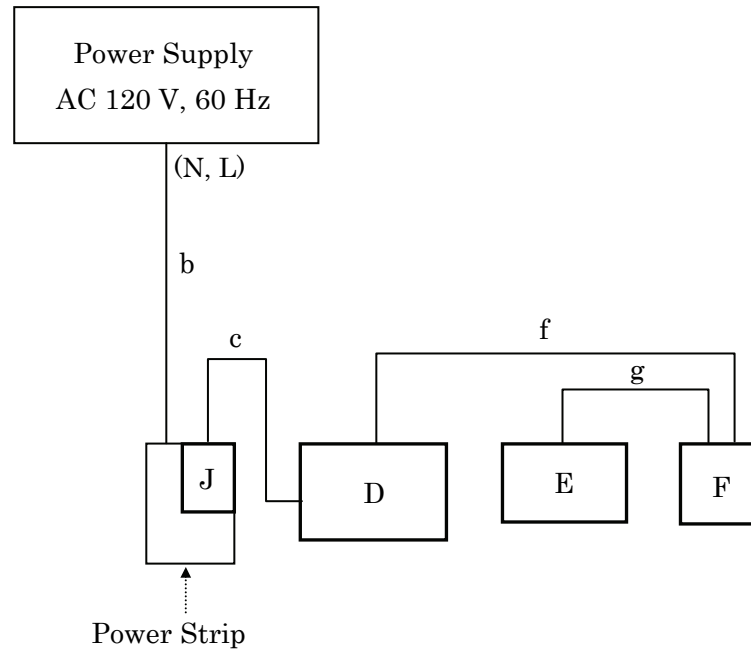
Radiated Spurious Emission

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5) including the Function of
Charging a Battery



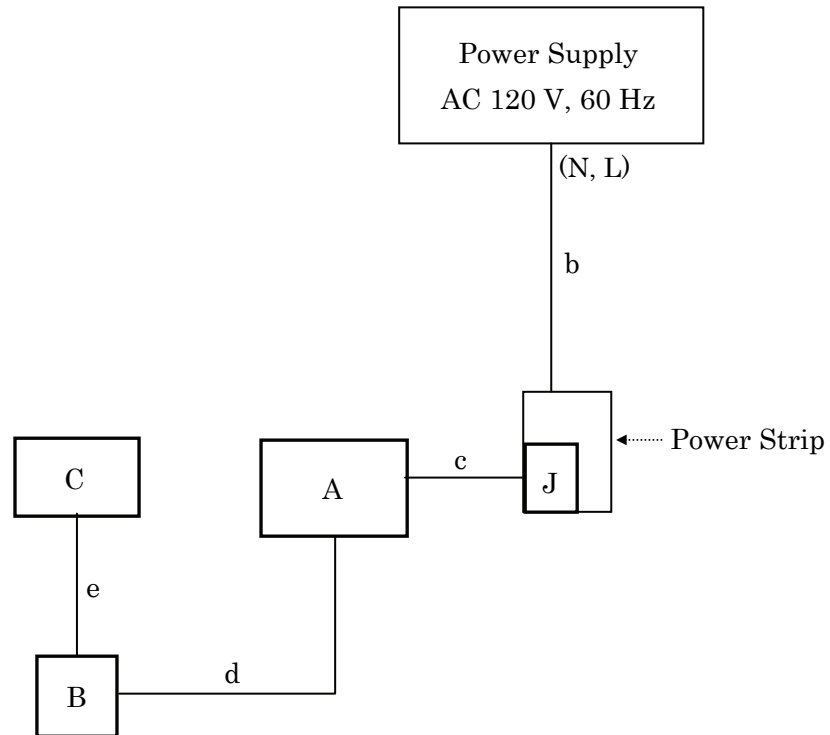
3.2 Test Configuration (Continued)

AC Power Line Conducted Emission

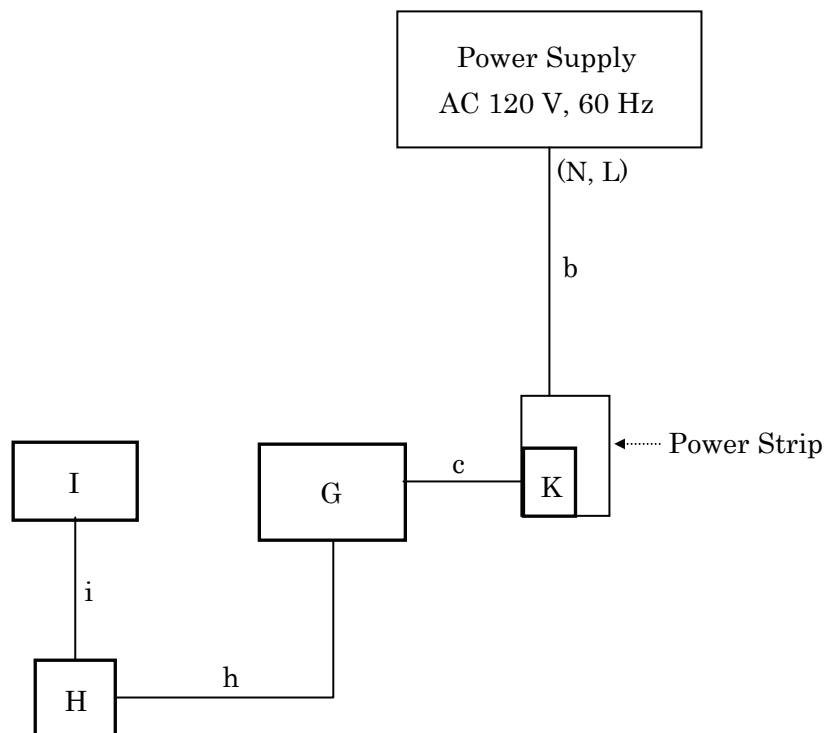


3.2 Test Configuration (Continued)

20 dB Bandwidth / Carrier Frequency Separation / Number of Channels /
Time of Occupancy / Conducted Spurious Emission

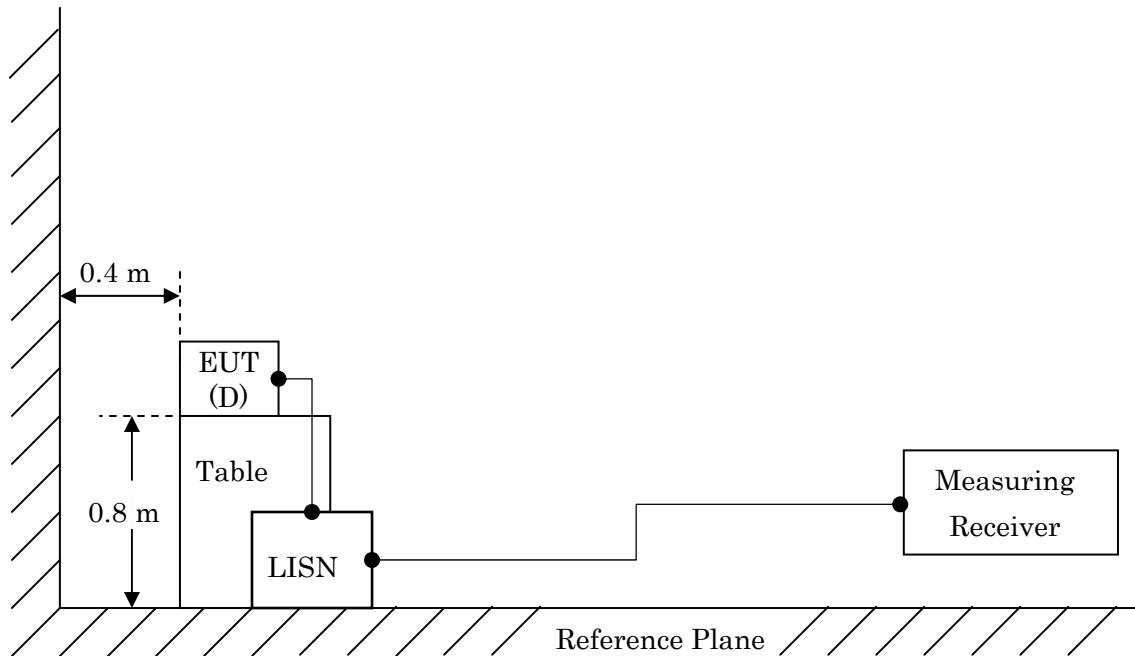


Maximum Peak Conducted Output Power

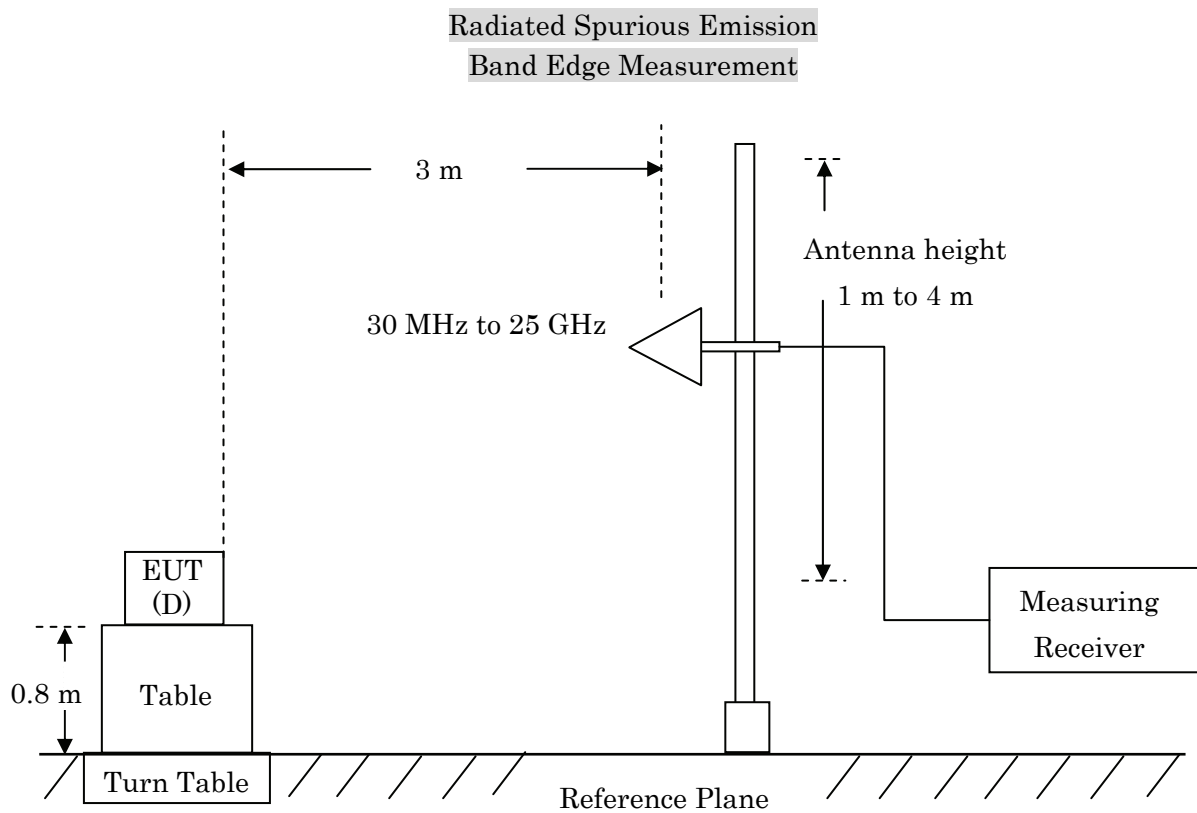


3.2 Test Configuration (Continued)

AC Power Line Conducted Emission

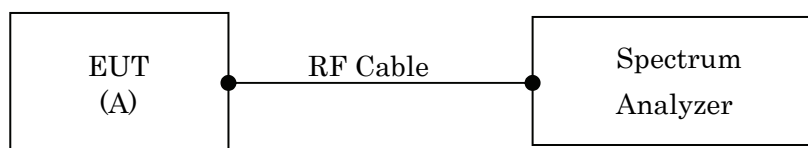


3.2 Test Configuration (Continued)

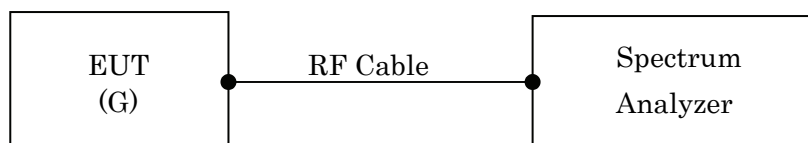


Note: AC Adaptor (J) was placed under the table.

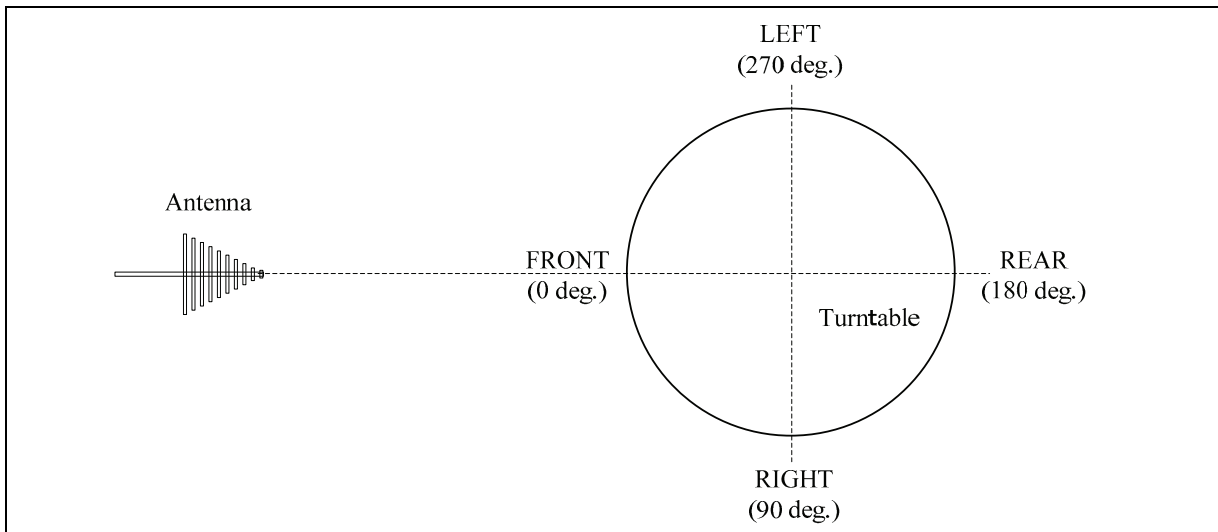
**20 dB Bandwidth / Carrier Frequency Separation / Number of Channels /
Time of Occupancy / Conducted Spurious Emission**



Maximum Peak Conducted Output Power



3.3 EUT Angle



Photograph of EUT4

X axis

Front View

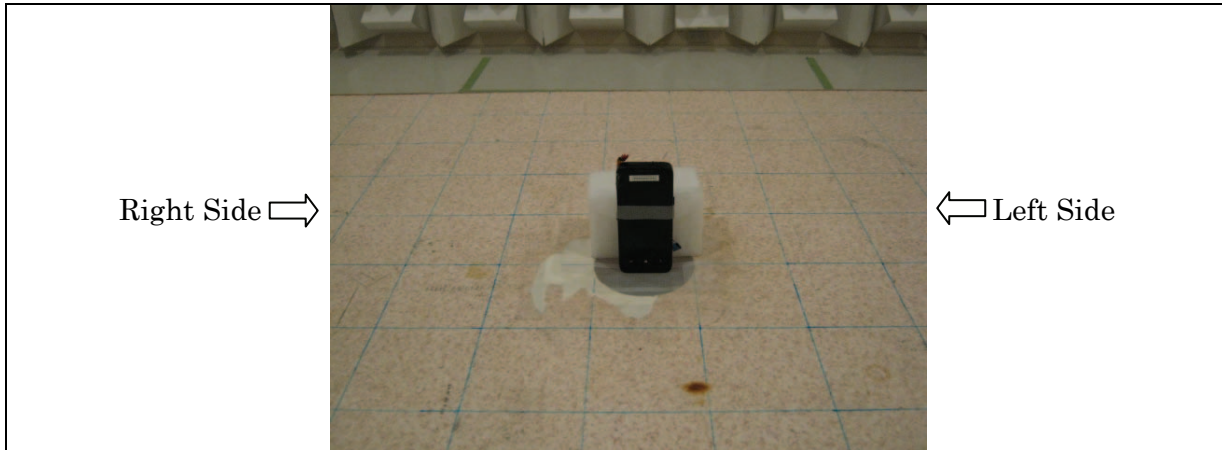


3.3 EUT Angle (Continued)

Photograph of EUT4

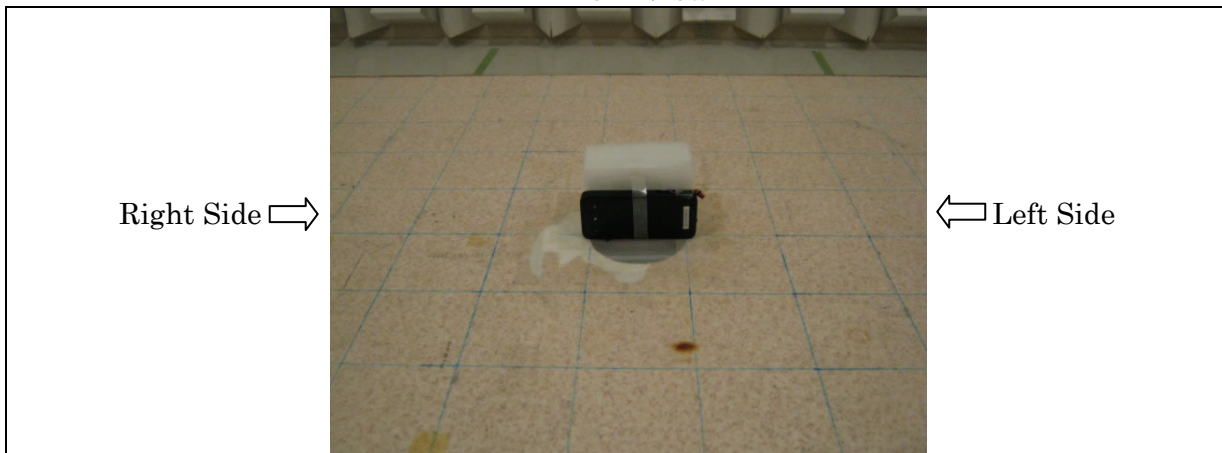
Y axis

Front View



Z axis

Front View



4. Summary of Test Results

These test results are the test results of the condition specified with “3. Test Condition”.

Section	Test Item	Limit	Result
15.207	AC Power Line Conducted Emission	Refer to test data	PASS
15.209	Radiated Spurious Emission	Refer to test data	PASS
15.215(c)	20 dB Bandwidth	---	Check *
15.247(b)	Maximum Peak Conducted Output Power	< 1 W	PASS
15.247(a)	Carrier Frequency Separation	$\geq 2/3$ of 20 dB BW for systems with output power <125 mW	PASS
15.247(a)	Number of Channels	≥ 15 channels	PASS
15.247(a)	Time of Occupancy	Refer to test data	PASS
15.247(d)	Conducted Spurious Emission	20 dB below highest level of desired power	PASS
15.247(d)	Band Edge Measurement	Refer to test data	PASS

Note: *: This item is not specified the limit.

5. Measurement Result

5.1 15.207 AC Power Line Conducted Emission

5.1.1 Setting Remarks

- The conducted disturbance voltage of AC power line in the frequency range from 0.15 MHz to 30 MHz was measured in accordance with ANSI C63.4:2003.
- The test setup was made in accordance with ANSI C63.4:2003 in a shielded room.
- The non-conductive table, 0.8 m high, was placed on the reference ground plane, and the EUT was put on the non-conductive table.
- The used line impedance stabilizing Network (LISN) has a rated impedance of 50 Ω /50 μ H as specified in CISPR16-1-1.
- The test receiver with Quasi Peak and Average detector is in accordance with CISPR 16-1-2.
- The conducted emission level is calculated by adding Cable Attenuation Factor and Insertion Loss of LISN.
- Activate the EUT System and run the software prepared for the test.
- Refer to the figure of 3.2 Test configuration.
- EMI Test Receiver analyzer is set as following;

Frequency range	Detector	RBW
150 kHz to 30 MHz	Quasi-peak	9 kHz
	Average	9 kHz

5.1.2 Result

EUT complies with the requirement.

Uncertainty of measurement result : ± 2.26 dB

Date of testing : April 22 and 23, 2013
Room temperature : 21°C, 21°C
Relative humidity : 28%, 28%

5.1.3 Measured Data

Calculation

C.Fac = LISN Factor + Cable Attenuation Factor

Result = Reading + C.Fac

Margin = Limit - Result

5.1.3 Measured Data (Continued)

DH5 40 ch

<<Conducted Emission>>

Cosmos Corporation Onoki Lab.
Date : 2013/04/22Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : AC 120V, 60HzJob No : CJ12-113572E
Temp/Humi : 21°C/28%
Condition : Bluetooth DH5 40ch
Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207 (QP)
FCC 15.207 (AV)

<< QP/AV DATA >>

No	Freq.	Reading Level		C. Fac	Results		Limit		Margin		Phase
		QP	AV		QP	AV	QP	AV	QP	AV	
	[MHz]	[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
1	0.19235	43.6	26.8	10.6	54.2	37.4	63.9	53.9	9.7	16.5	La
2	0.25685	37.6	21.1	10.6	48.2	31.7	61.5	51.5	13.3	19.8	La
3	0.50774	25.0	16.1	10.4	35.4	26.5	56.0	46.0	20.6	19.5	La
4	1.03000	21.4	11.3	10.4	31.8	21.7	56.0	46.0	24.2	24.3	La
5	2.09532	15.4	8.1	10.5	25.9	18.6	56.0	46.0	30.1	27.4	La
6	11.65473	17.2	9.8	10.9	28.1	20.7	60.0	50.0	31.9	29.3	La
7	0.19550	45.9	29.5	10.6	56.5	40.1	63.8	53.8	7.3	13.7	Lb
8	0.26127	37.2	21.5	10.6	47.8	32.1	61.4	51.4	13.6	19.3	Lb
9	0.50297	25.2	16.6	10.4	35.6	27.0	56.0	46.0	20.4	19.0	Lb
10	1.03721	22.1	12.8	10.4	32.5	23.2	56.0	46.0	23.5	22.8	Lb
11	2.10816	17.9	8.4	10.5	28.4	18.9	56.0	46.0	27.6	27.1	Lb
12	11.32468	17.9	10.5	10.8	28.7	21.3	60.0	50.0	31.3	28.7	Lb

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5.1.3 Measured Data (Continued)

DH5 40 ch

<<Conducted Emission>>

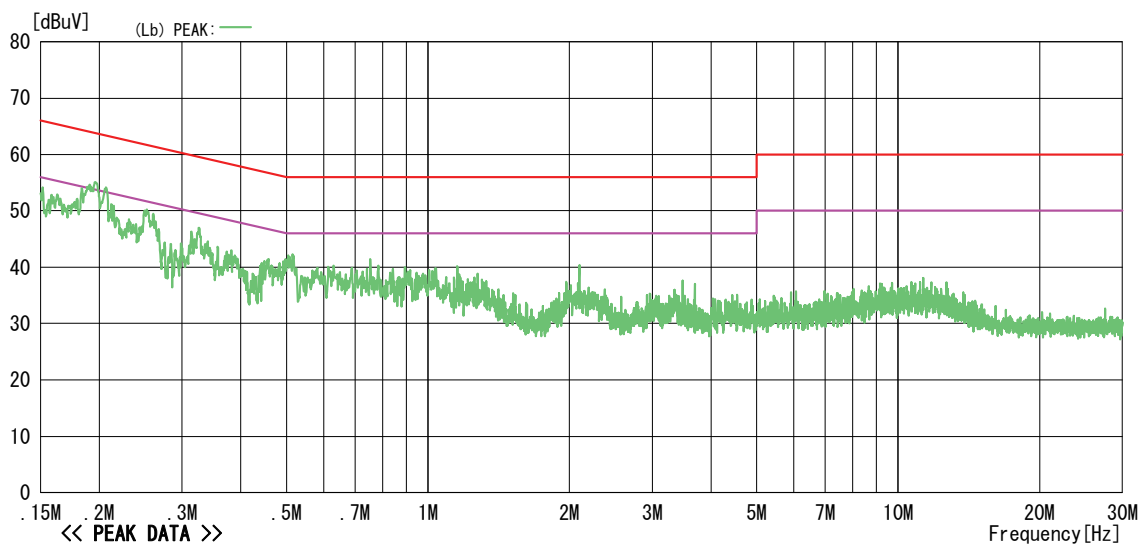
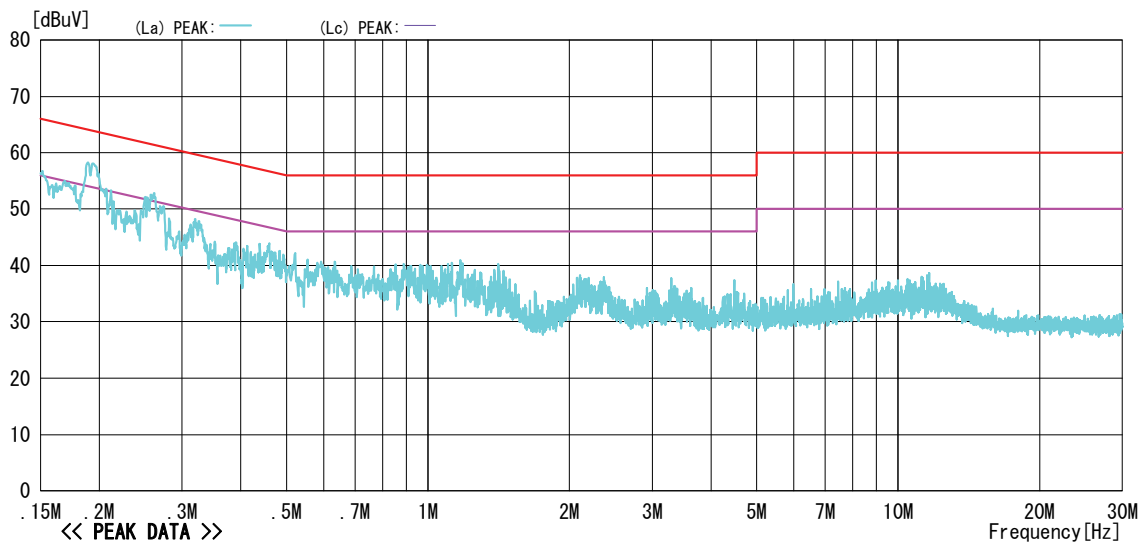
Cosmos Corporation Onoki Lab.
Date : 2013/04/22

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : AC 120V, 60Hz

Job No : CJ12-113572E
 Temp/Humi : 21°C/28%
 Condition : Bluetooth DH5 40ch
 Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207(QP)
 FCC 15.207(AV)



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5.1.3 Measured Data (Continued)

2-DH5 40 ch

<<Conducted Emission>>

Cosmos Corporation Onoki Lab.
Date : 2013/04/23Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : AC 120V, 60HzJob No : CJ12-113572E
Temp/Humi : 21°C/28%
Condition : Bluetooth 2-DH5 40ch
Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207 (QP)
FCC 15.207 (AV)

<< QP/AV DATA >>

No	Freq. [MHz]	Reading Level		C. Fac [dB]	Results		Limit		Margin		Phase
		QP	AV		QP	AV	QP	AV	QP	AV	
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
1	0.19268	41.7	24.9	10.6	52.3	35.5	63.9	53.9	11.6	18.4	La
2	0.25780	35.8	19.3	10.6	46.4	29.9	61.5	51.5	15.1	21.6	La
3	0.51413	26.2	15.6	10.4	36.6	26.0	56.0	46.0	19.4	20.0	La
4	1.12214	22.6	10.9	10.4	33.0	21.3	56.0	46.0	23.0	24.7	La
5	2.31043	21.2	10.6	10.5	31.7	21.1	56.0	46.0	24.3	24.9	La
6	11.53086	16.8	10.8	10.9	27.7	21.7	60.0	50.0	32.3	28.3	La
7	0.19160	40.7	23.9	10.6	51.3	34.5	64.0	54.0	12.7	19.5	Lb
8	0.25571	35.3	19.2	10.6	45.9	29.8	61.6	51.6	15.7	21.8	Lb
9	0.51404	27.0	14.9	10.4	37.4	25.3	56.0	46.0	18.6	20.7	Lb
10	1.09385	25.0	15.0	10.4	35.4	25.4	56.0	46.0	20.7	20.6	Lb
11	2.28766	19.9	11.6	10.5	30.4	22.1	56.0	46.0	25.6	23.9	Lb
12	11.36876	19.7	11.9	10.8	30.5	22.7	60.0	50.0	29.5	27.3	Lb

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5.1.3 Measured Data (Continued)

2-DH5 40 ch

<<Conducted Emission>>

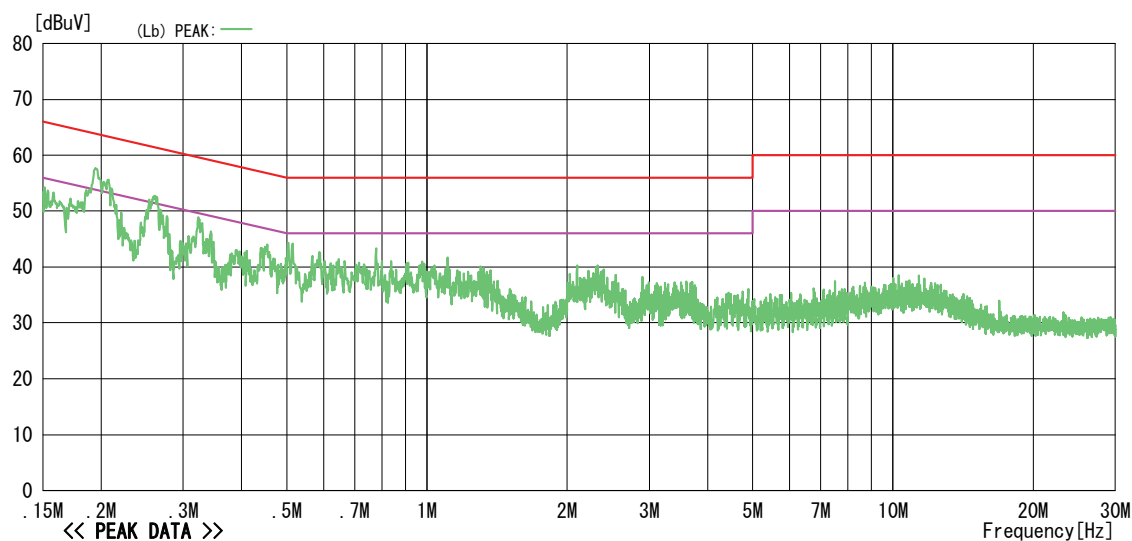
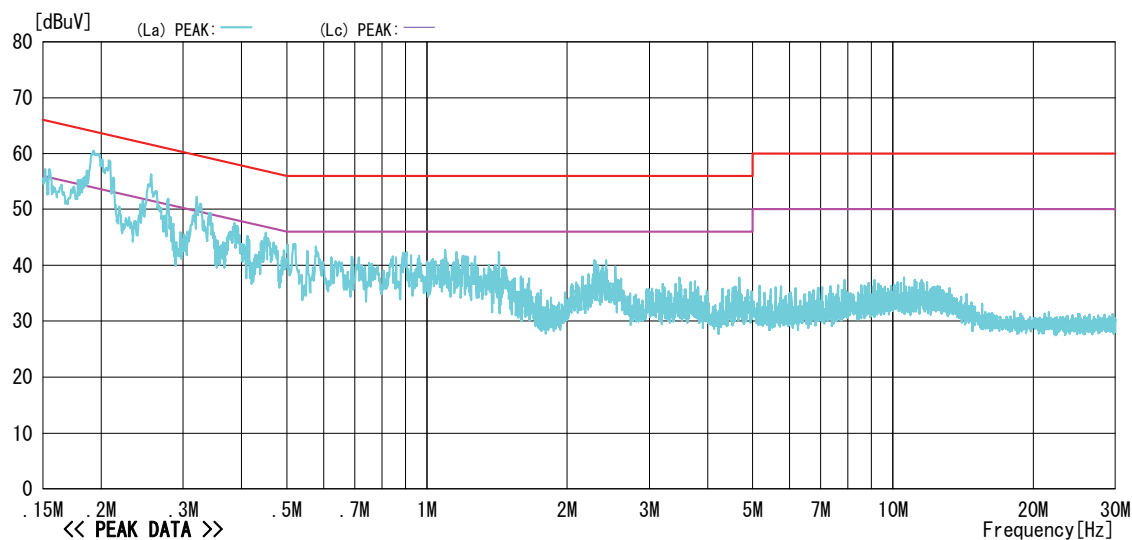
Cosmos Corporation Onoki Lab.
Date : 2013/04/23

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : AC 120V, 60Hz

Job No : CJ12-113572E
 Temp/Humi : 21°C/28%
 Condition : Bluetooth 2-DH5 40ch
 Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207 (QP)
 FCC 15.207 (AV)



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5.1.3 Measured Data (Continued)

3-DH5 40 ch

<<Conducted Emission>>

Cosmos Corporation Onoki Lab.
Date : 2013/04/23Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : AC 120V, 60HzJob No : CJ12-113572E
Temp/Humi : 21°C/28%
Condition : Bluetooth 3-DH5 40ch
Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207 (QP)
FCC 15.207 (AV)

<< QP/AV DATA >>

No	Freq. [MHz]	Reading Level		C. Fac [dB]	Results		Limit		Margin		Phase
		QP	AV		QP	AV	QP	AV	QP	AV	
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
1	0.19342	41.0	23.9	10.6	51.6	34.5	63.9	53.9	12.3	19.4	La
2	0.25621	35.4	19.3	10.6	46.0	29.9	61.6	51.6	15.6	21.7	La
3	0.57641	27.5	17.1	10.5	38.0	27.6	56.0	46.0	18.0	18.4	La
4	1.20386	22.1	13.2	10.4	32.5	23.6	56.0	46.0	23.5	22.4	La
5	2.33499	18.7	10.2	10.5	29.2	20.7	56.0	46.0	26.8	25.3	La
6	11.66278	16.8	10.8	10.9	27.7	21.7	60.0	50.0	32.3	28.3	La
7	0.19258	40.1	23.0	10.6	50.7	33.6	63.9	53.9	13.2	20.3	Lb
8	0.25696	34.7	18.6	10.6	45.3	29.2	61.5	51.5	16.3	22.3	Lb
9	0.58076	27.7	17.9	10.5	38.2	28.4	56.0	46.0	17.8	17.6	Lb
10	1.21964	23.6	15.1	10.4	34.0	25.5	56.0	46.0	22.0	20.5	Lb
11	2.33577	20.4	10.8	10.5	30.9	21.3	56.0	46.0	25.1	24.7	Lb
12	11.67658	19.2	11.6	10.9	30.1	22.5	60.0	50.0	29.9	27.5	Lb

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5.1.3 Measured Data (Continued)

3-DH5 40 ch

<<Conducted Emission>>

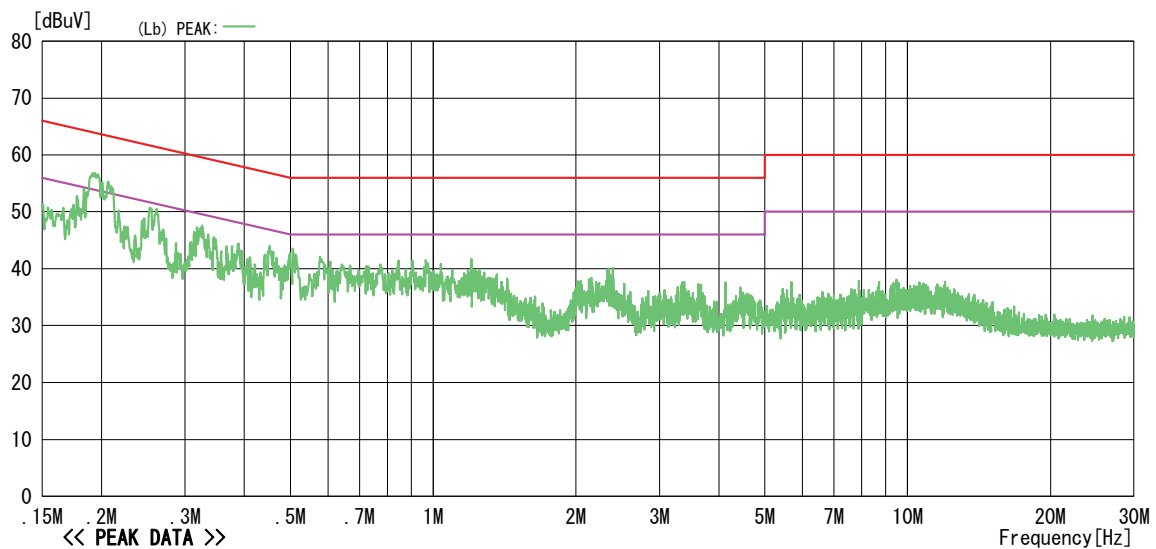
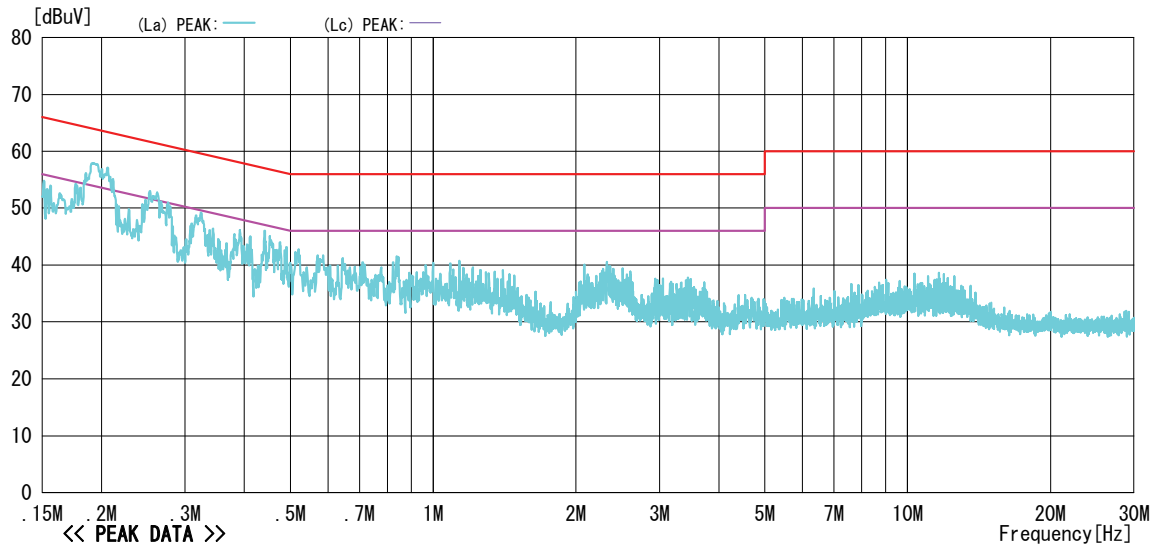
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Date : 2013/04/23

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
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Job No : CJ12-113572E
 Temp/Humi : 21°C/28%
 Condition : Bluetooth 3-DH5 40ch
 Remark :

Memo : RBW:9kHz

LIMIT : FCC 15.207 (QP)
 FCC 15.207 (AV)



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5.2 15.209 Transmitter Spurious Emission (Radiated)

5.2.1 Setting Remarks

- In the frequency range from 9 kHz to 1 GHz (over 10th harmonics), the electric field strength was measured in accordance with ANSI C63.4:2003.
- The test setup was made in accordance with ANSI C63.4:2003 on the table installed in a semi-anechoic chamber.
- The non-conductive table, 0.8 m high, was placed on the turntable, and the EUT was put on the non-conductive table.
- The EUT was measured at 1 m to 4 m height of the antenna.
- The turntable was fully rotated. The highest radiation from the equipment was recorded.
- The measurement was carried out with both horizontal and vertical antenna polarization.
- The test receiver with Quasi Peak detector is in accordance with CISPR 16-1-1.
- The measurement was carried out with the measuring distance of 3 m.
- Refer to the figure of 3.2 Test configuration.
- EMI Test Receiver analyzer is set as following;

Frequency range	Detector	RBW
30 MHz to 1 GHz	Quasi-peak	120 kHz
Above 1 GHz	Peak	1 MHz
	Average	1 MHz

5.2.2 Result

EUT complies with the requirement.

Uncertainty of measurement result : ± 3.28 dB

Date of testing : April 16, 18, 19, 24, 25 and May 2, 2013

Room temperature : 24°C, 24°C, 22°C, 20°C, 23°C, 21°C

Relative humidity : 36%, 41%, 32%, 48%, 37%, 34%

5.2.3 Measured Data

Calculation

Ant.Fac: Antenna Factor, Loss: Cable Attenuation Factor, Gain: Pre-Amplifier Gain

Result = Reading + Ant.Fac + Loss - Gain

Margin = Limit - Result

5.2.3 Measured Data (Continued) (Worst Test Data)

30 MHz to 1 GHz (2-DH5 1 ch)

<<Radiated Emission>>

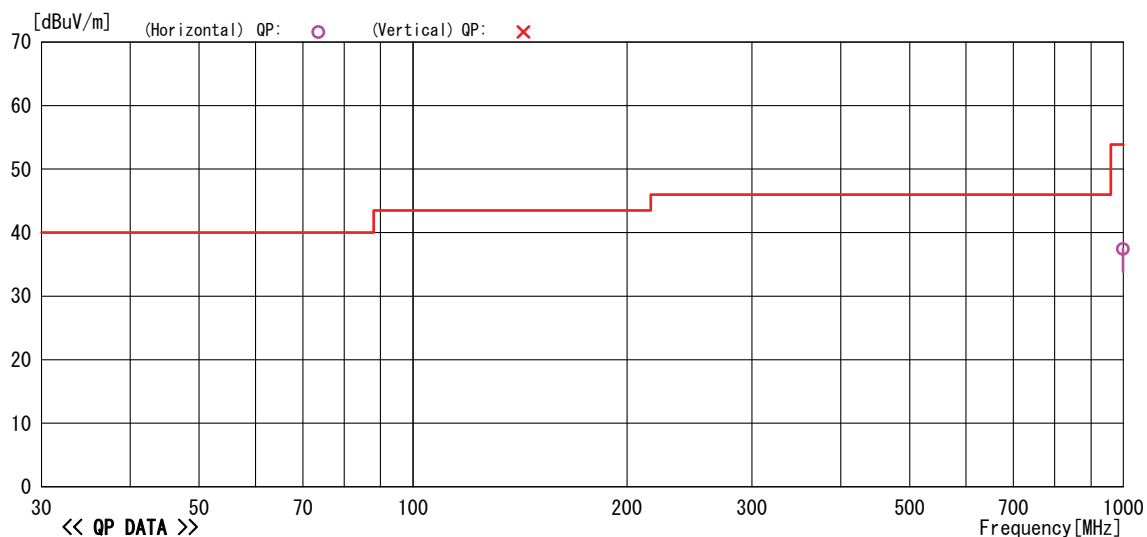
Cosmos Corporation Onoki Lab.
Date : 2013/04/25 20:00:21

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp./Humi. : 23°C/37%
Condition : Bluetooth 2-DH5 1ch
Remark : Z axis

Memo : RBW:120kHz

LIMIT : Fcc15C 15_209 (3m) 30MHz-1000MHz



No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant	Comment
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type	
1	998.377	31.6	23.2	10.1	27.5	37.4	53.9	16.5	Hori.	100	354	LP	

-TEPT0-DV/RE Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

30 MHz to 1 GHz (2-DH5 40 ch) <<Radiated Emission>>

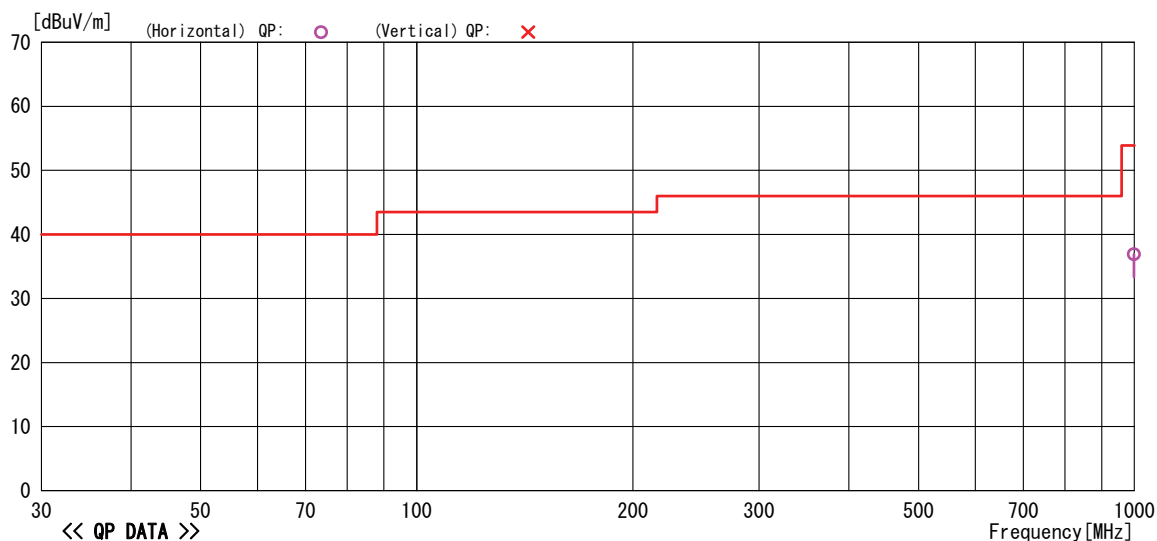
Cosmos Corporation Onoki Lab.
Date : 2013/04/25 20:51:47

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp./Humi. : 23°C/37%
Condition : Bluetooth 2-DH5 40ch
Remark : Z axis

Memo : RBW:120kHz

LIMIT : Fcc15C 15_209 (3m) 30MHz-1000MHz



No	Freq. [MHz]	Reading [dBuV]	Ant. Fac [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Pol. [H/V]	Height [cm]	Angle [deg]	Ant Type	Comment
1	998.387	31.1	23.2	10.1	27.5	36.9	53.9	17.0	Hori.	100	354	LP	

-TEPT0-DV/RE Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

30 MHz to 1 GHz (2-DH5 79 ch) <<Radiated Emission>>

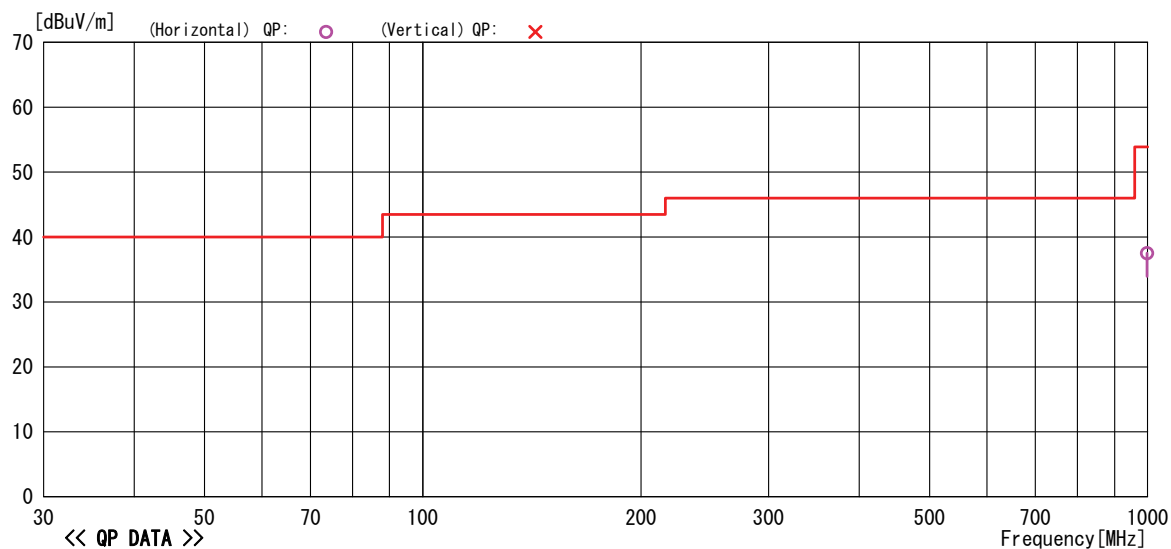
Cosmos Corporation Onoki Lab.
Date : 2013/04/25 23:11:00

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp./Humi. : 23°C/37%
Condition : Bluetooth 2-DH5 79ch
Remark : Z axis

Memo : RBW:120kHz

LIMIT : Fcc15C 15_209 (3m) 30MHz-1000MHz



No	Freq. [MHz]	Reading [dBuV]	Ant. Fac [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Pol. [H/V]	Height [cm]	Angle [deg]	Ant Type	Comment
1	998.435	31.7	23.2	10.1	27.5	37.5	53.9	16.4	Hori.	100	353	LP	

-TEPTO-DV/RE Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

30 MHz to 1 GHz (2-DH5 79 ch Charging)

<<Radiated Emission>>

Cosmos Corporation Onoki Lab.
Date : 2013/05/02 21:41:59

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : DC5V / AC120V, 60Hz

Job No : CJ12-113572E
Temp./Humi. : 21°C/34%
Condition : Bluetooth 2-DH5 79ch Charging
Remark : Z axis

Memo : RBW:120kHz

LIMIT : Fcc15C 15_209 (3m) 30MHz-1000MHz

<< QP DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	998.378	31.2	23.2	10.1	27.5	37.0	53.9	16.9	Hori.	100	350	LP

-TEPT0-DV/RE Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

30 MHz to 1 GHz (2-DH5 79 ch Charging)

<<Radiated Emission>>

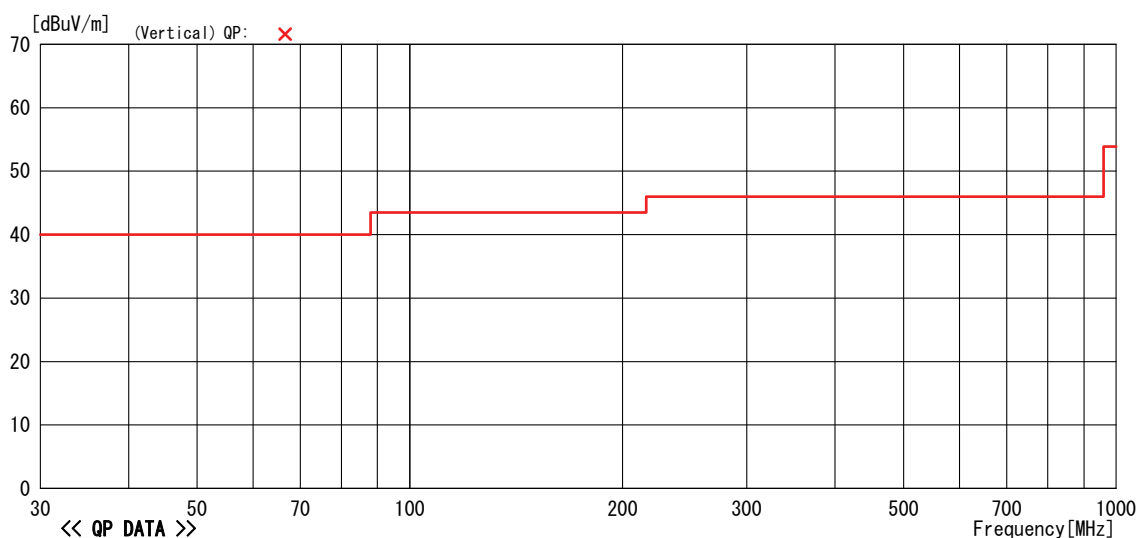
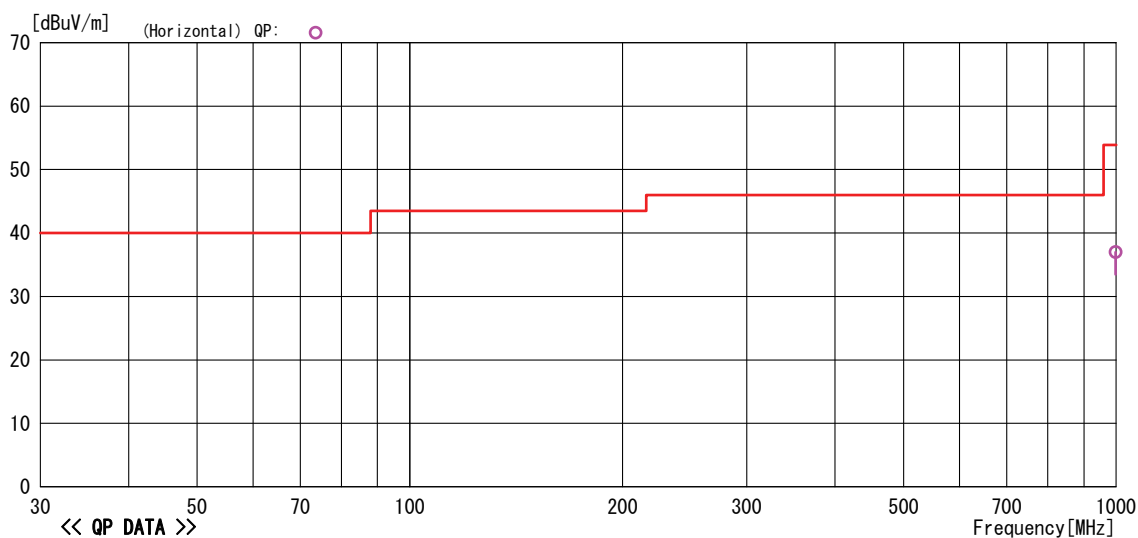
Cosmos Corporation Onoki Lab.
Date : 2013/05/02 21:41:59

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No : CJ12-113572E
 Temp./Humi. : 21°C/34%
 Condition : Bluetooth 2-DH5 79ch Charging
 Remark : Z axis

Memo : RBW:120kHz

LIMIT : Fcc15C 15_209 (3m) 30MHz-1000MHz



-TEPTO-DV/RE Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 1 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 20:11:46

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply :

Job No. : GJ12-113572E
 Temp/Humi : 24°C/36%
 Condition : Bluetooth DH5 1ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 16-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	1000.000	49.4	24.6	3.0	36.7	40.3	73.9	33.6	Hori.	100	174	HRN
2	1497.428	47.3	25.6	2.9	36.0	39.8	73.9	34.1	Hori.	100	175	HRN
3	4804.316	48.1	31.3	5.2	37.8	46.8	73.9	27.1	Hori.	111	197	HRN
4	7205.523	50.0	35.8	5.1	35.5	55.4	73.9	18.5	Hori.	158	5	HRN
5	12009.200	46.5	39.2	8.9	34.8	59.8	73.9	14.1	Hori.	143	60	HRN
6	14413.000	49.1	36.8	8.9	34.6	60.2	73.9	13.7	Hori.	126	52	HRN
7	4804.318	48.8	31.3	5.2	37.8	47.5	73.9	26.4	Vert.	134	196	HRN
8	7205.503	47.0	35.8	5.1	35.5	52.4	73.9	21.5	Vert.	165	262	HRN
9	14412.960	46.0	36.8	8.9	34.6	57.1	73.9	16.8	Vert.	115	234	HRN

-TEPTO-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 1 ch: PK)

RADIATED EMISSION

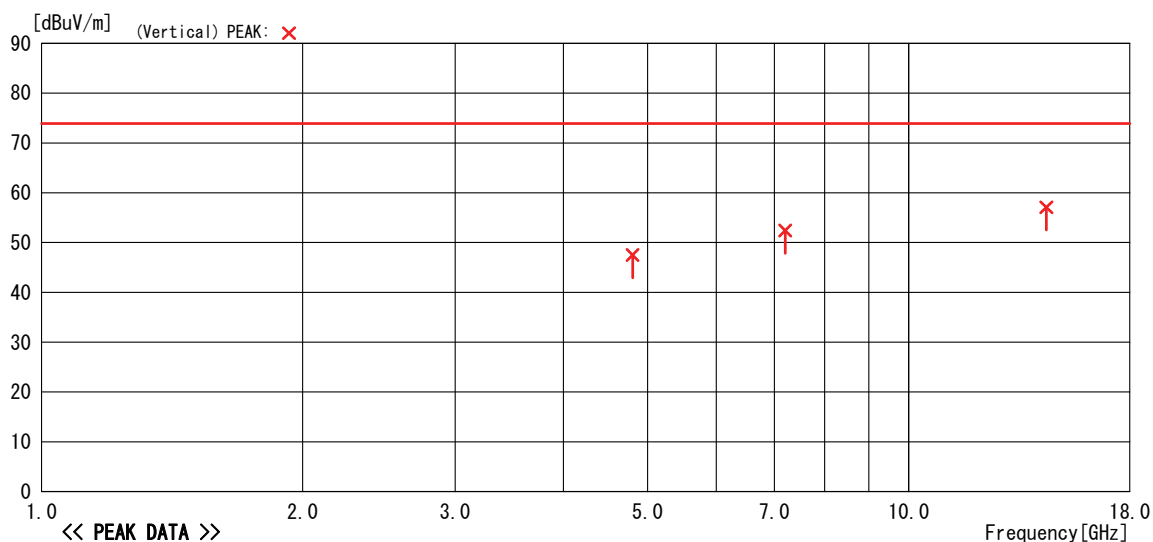
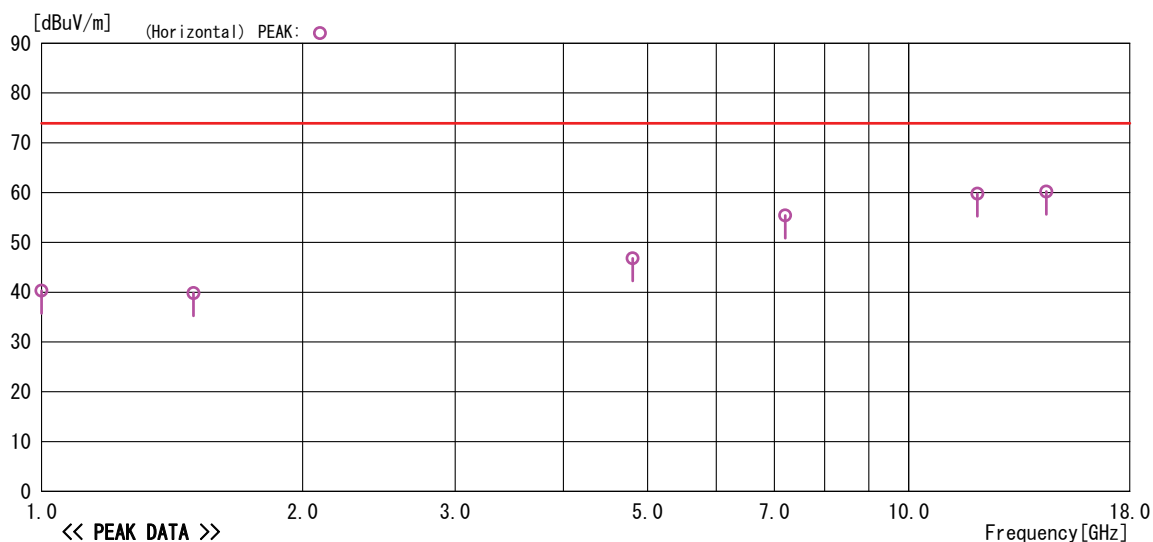
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 20:11:46

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply :

Job No. : GJ12-113572E
 Temp/Humi : 24°C/36%
 Condition : Bluetooth DH5 1ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/RE Ver1. 90. 0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 1 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 20:11:46

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 24°C/36%
Condition : Bluetooth DH5 1ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	1000.000	31.8	24.6	3.0	36.7	22.7	53.9	31.2	Hori.	100	174	HRN
2	1497.428	31.9	25.6	2.9	36.0	24.4	53.9	29.5	Hori.	100	175	HRN
3	4804.316	37.6	31.3	5.2	37.8	36.3	53.9	17.6	Hori.	111	197	HRN
4	7205.523	39.8	35.8	5.1	35.5	45.2	53.9	8.7	Hori.	158	5	HRN
5	12009.200	34.9	39.2	8.9	34.8	48.2	53.9	5.7	Hori.	143	60	HRN
6	14413.000	38.1	36.8	8.9	34.6	49.2	53.9	4.7	Hori.	126	52	HRN
7	4804.318	39.0	31.3	5.2	37.8	37.7	53.9	16.2	Vert.	134	196	HRN
8	7205.503	35.5	35.8	5.1	35.5	40.9	53.9	13.0	Vert.	165	262	HRN
9	14412.960	32.2	36.8	8.9	34.6	43.3	53.9	10.6	Vert.	115	234	HRN

-TEPT0-DV/RE Ver1. 90. 0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 1 ch: AV)

RADIATED EMISSION

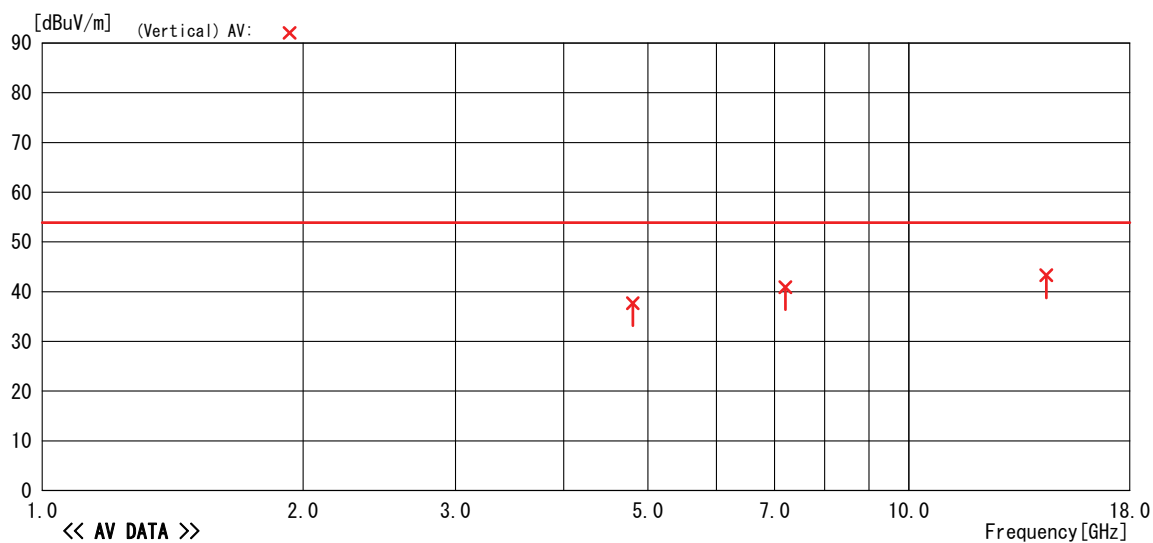
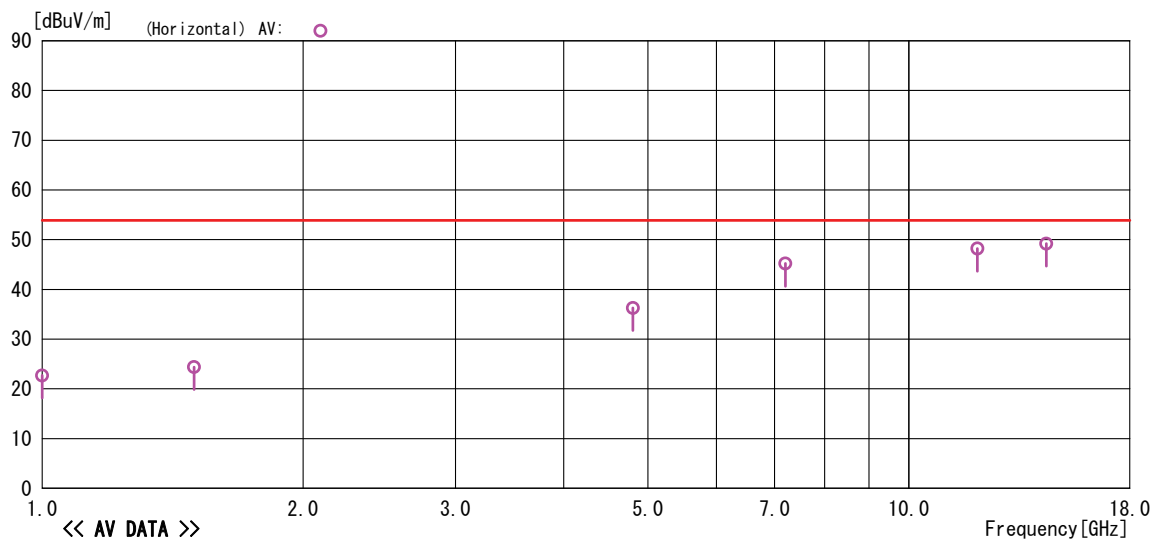
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 20:11:46

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 24°C/36%
Condition : Bluetooth DH5 1ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/RE Ver1. 90. 0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 40 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 00:48:26

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 23°C/39%
Condition : Bluetooth DH5 40ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	1000.000	52.3	24.6	3.0	36.7	43.2	73.9	30.7	Hori.	100	6	HRN
2	1496.812	48.3	25.6	2.9	36.0	40.8	73.9	33.1	Hori.	100	176	HRN
3	4881.679	47.8	31.5	5.2	37.8	46.7	73.9	27.2	Hori.	179	145	HRN
4	7323.447	48.6	36.0	5.8	35.6	54.8	73.9	19.1	Hori.	169	4	HRN
5	9763.374	47.3	38.2	8.0	35.5	58.0	73.9	15.9	Hori.	141	226	HRN
6	14645.030	48.1	36.8	9.2	34.4	59.7	73.9	14.2	Hori.	125	50	HRN
7	4882.328	48.2	31.5	5.2	37.8	47.1	73.9	26.8	Vert.	142	202	HRN
8	7323.442	47.8	36.0	5.8	35.6	54.0	73.9	19.9	Vert.	152	153	HRN
9	9764.674	49.3	38.2	8.0	35.5	60.0	73.9	13.9	Vert.	144	161	HRN
10	14646.940	47.1	36.8	9.2	34.4	58.7	73.9	15.2	Vert.	113	227	HRN

-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 40 ch: PK)

RADIATED EMISSION

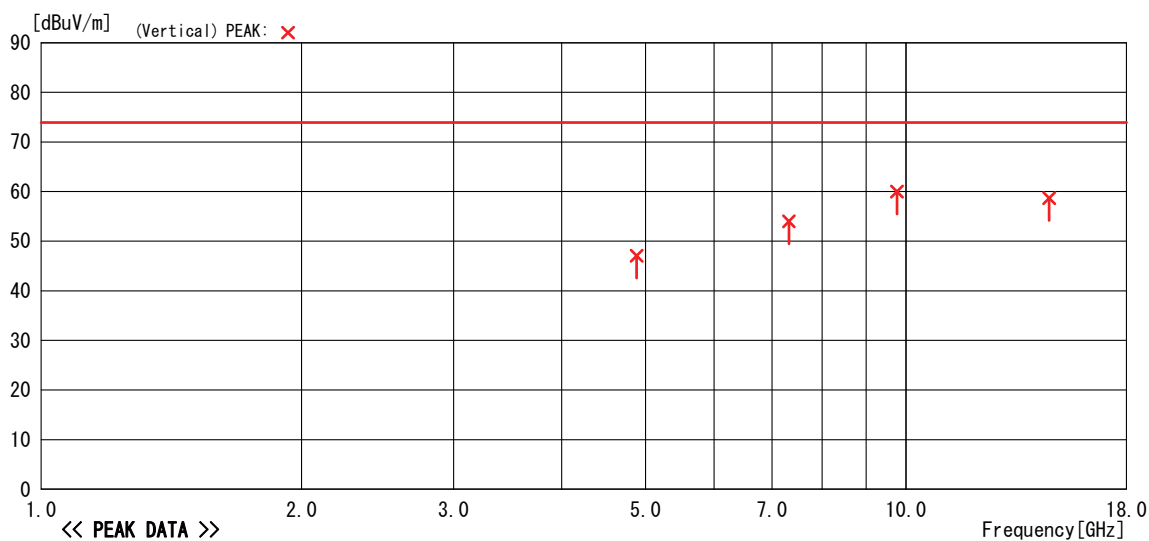
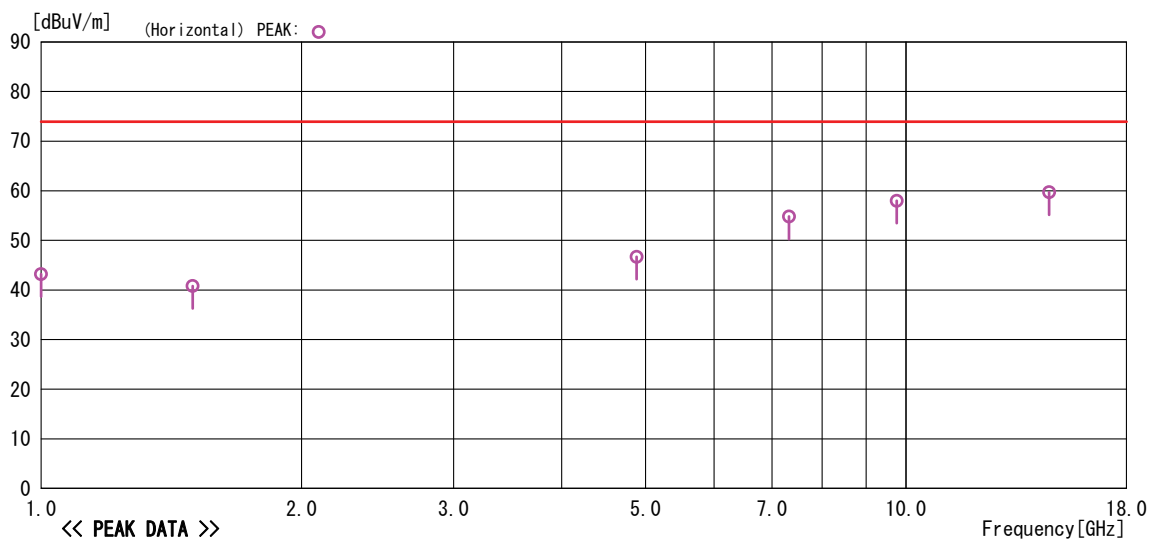
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 00:48:26

Model Name : H560A
Serial : No.01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 23°C/39%
Condition : Bluetooth DH5 40ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPTO-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 40 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 00:48:26

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No. : CJ12-113572E
 Temp/Humi : 23°C/39%
 Condition : Bluetooth DH5 40ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	1000.000	32.8	24.6	3.0	36.7	23.7	53.9	30.2	Hori.	100	6	HRN
2	1496.812	31.0	25.6	2.9	36.0	23.5	53.9	30.4	Hori.	100	176	HRN
3	4881.679	37.3	31.5	5.2	37.8	36.2	53.9	17.7	Hori.	179	145	HRN
4	7323.447	37.8	36.0	5.8	35.6	44.0	53.9	9.9	Hori.	169	4	HRN
5	9763.374	35.3	38.2	8.0	35.5	46.0	53.9	7.9	Hori.	141	226	HRN
6	14645.030	36.0	36.8	9.2	34.4	47.6	53.9	6.3	Hori.	125	50	HRN
7	4882.328	37.5	31.5	5.2	37.8	36.4	53.9	17.5	Vert.	142	202	HRN
8	7323.442	36.6	36.0	5.8	35.6	42.8	53.9	11.1	Vert.	152	153	HRN
9	9764.674	37.7	38.2	8.0	35.5	48.4	53.9	5.5	Vert.	144	161	HRN
10	14646.940	35.3	36.8	9.2	34.4	46.9	53.9	7.0	Vert.	113	227	HRN

-TEPTO-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 40 ch: AV)

RADIATED EMISSION

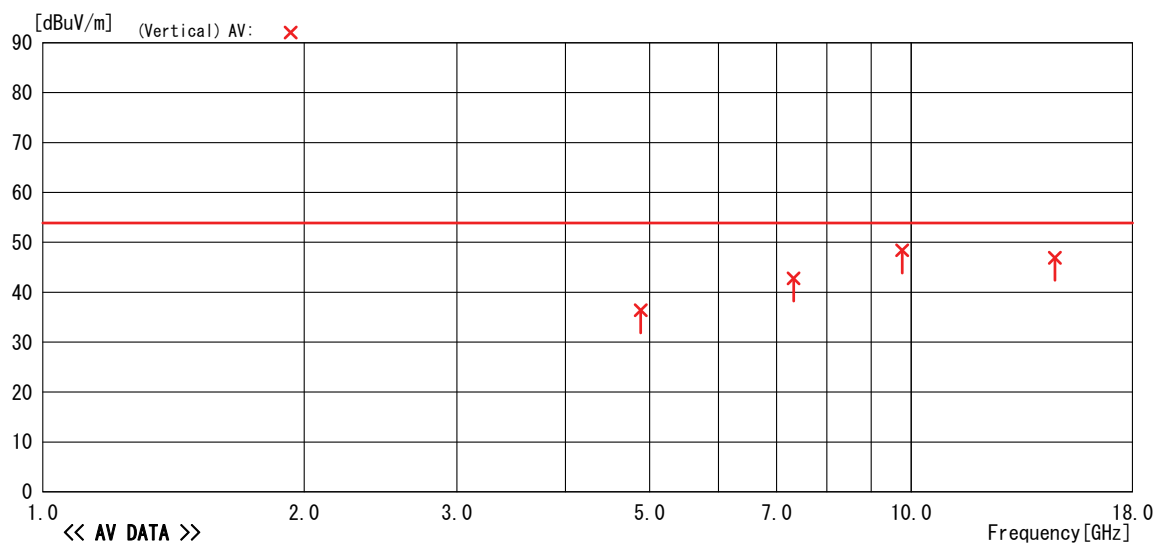
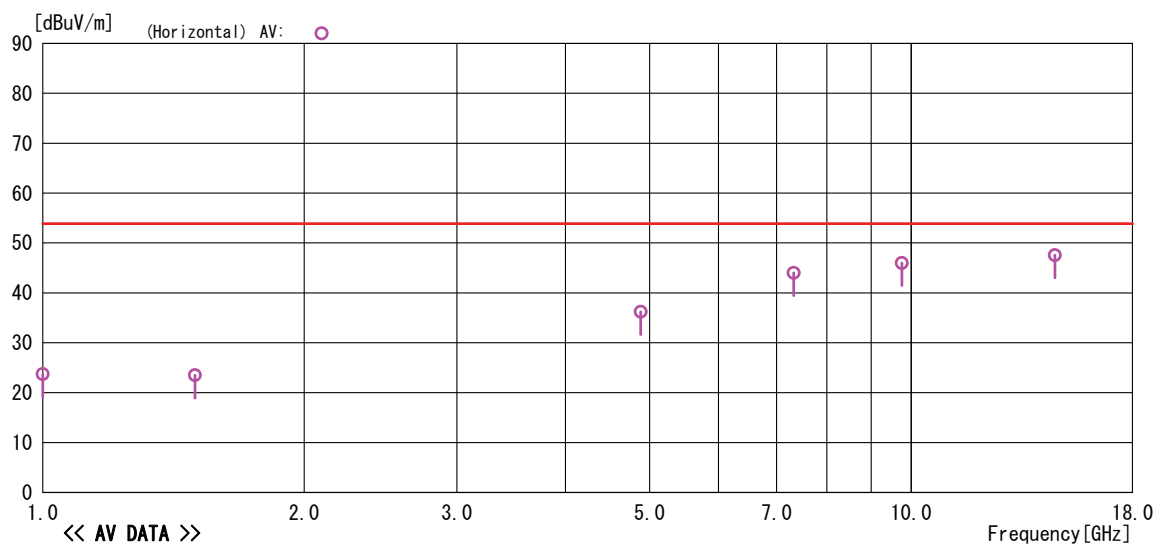
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 00:48:26

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply :

Job No. : CJ12-113572E
 Temp/Humi : 23°C/39%
 Condition : Bluetooth DH5 40ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 23:30:08

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 24°C/36%
Condition : Bluetooth DH5 79ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	4959.698	50.2	31.6	5.2	37.7	49.3	73.9	24.6	Hori.	107	200	HRN
2	7440.504	46.9	36.2	6.5	35.7	53.9	73.9	20.0	Hori.	170	9	HRN
3	9920.659	48.6	38.5	8.1	36.0	59.2	73.9	14.7	Hori.	149	63	HRN
4	12400.780	45.3	39.5	8.6	34.6	58.8	73.9	15.1	Hori.	139	63	HRN
5	14880.970	45.3	36.9	9.8	34.1	57.9	73.9	16.0	Hori.	126	62	HRN
6	4960.324	52.5	31.6	5.2	37.7	51.6	73.9	22.3	Vert.	112	155	HRN
7	7439.536	48.6	36.2	6.5	35.7	55.6	73.9	18.3	Vert.	164	156	HRN
8	9920.649	51.3	38.5	8.1	36.0	61.9	73.9	12.0	Vert.	123	184	HRN

-TEPT0-DV/RE Ver1. 90. 0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch: PK)

RADIATED EMISSION

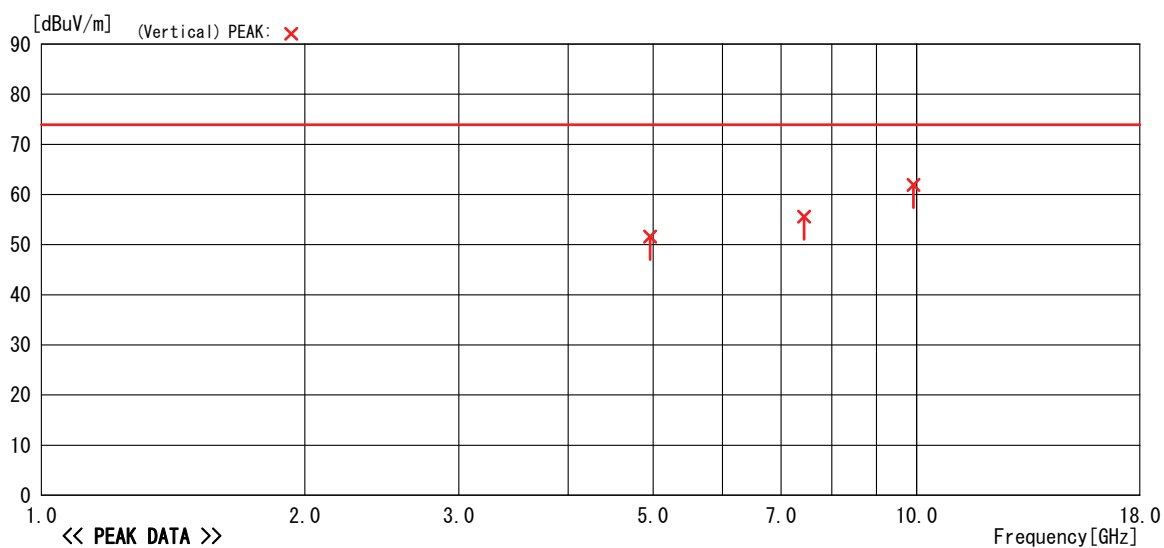
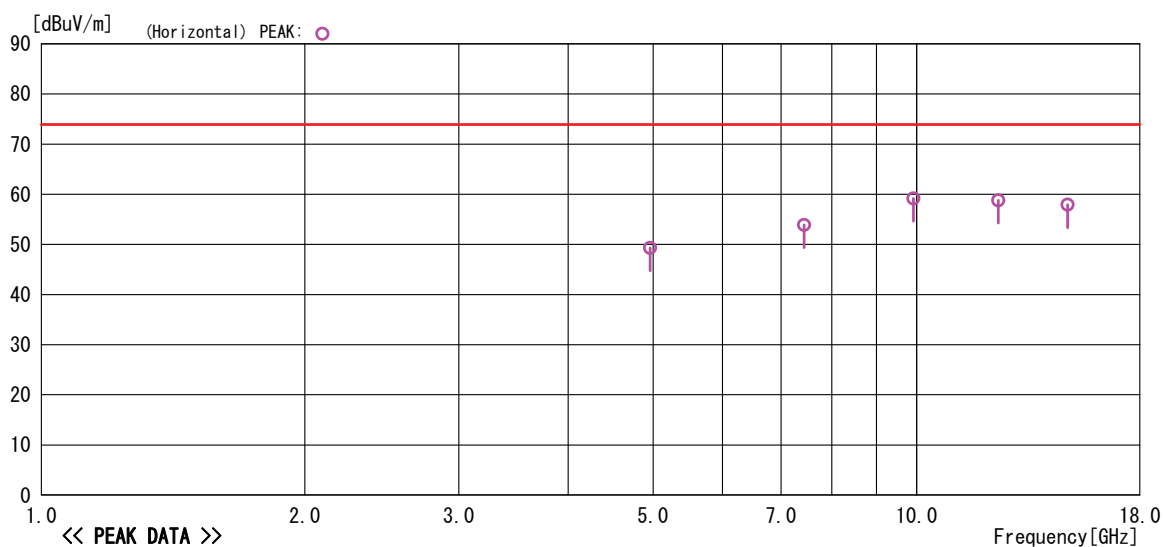
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 23:30:08

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply :

Job No. : CJ12-113572E
 Temp/Humi : 24°C/36%
 Condition : Bluetooth DH5 79ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/16 23:30:08

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 24°C/36%
Condition : Bluetooth DH5 79ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	4959.698	40.7	31.6	5.2	37.7	39.8	53.9	14.1	Hori.	107	200	HRN
2	7440.504	35.2	36.2	6.5	35.7	42.2	53.9	11.7	Hori.	170	9	HRN
3	9920.659	37.4	38.5	8.1	36.0	48.0	53.9	5.9	Hori.	149	63	HRN
4	12400.780	32.3	39.5	8.6	34.6	45.8	53.9	8.1	Hori.	139	63	HRN
5	14880.970	32.6	36.9	9.8	34.1	45.2	53.9	8.7	Hori.	126	62	HRN
6	4960.324	43.9	31.6	5.2	37.7	43.0	53.9	10.9	Vert.	112	155	HRN
7	7439.536	37.9	36.2	6.5	35.7	44.9	53.9	9.0	Vert.	164	156	HRN
8	9920.649	40.6	38.5	8.1	36.0	51.2	53.9	2.7	Vert.	123	184	HRN

-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch: AV)

RADIATED EMISSION

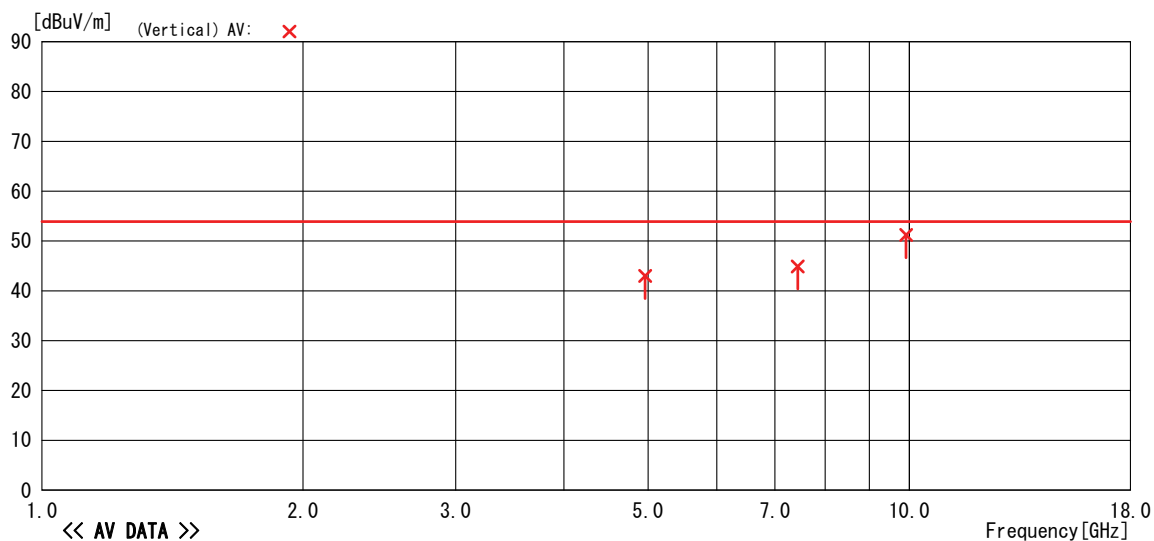
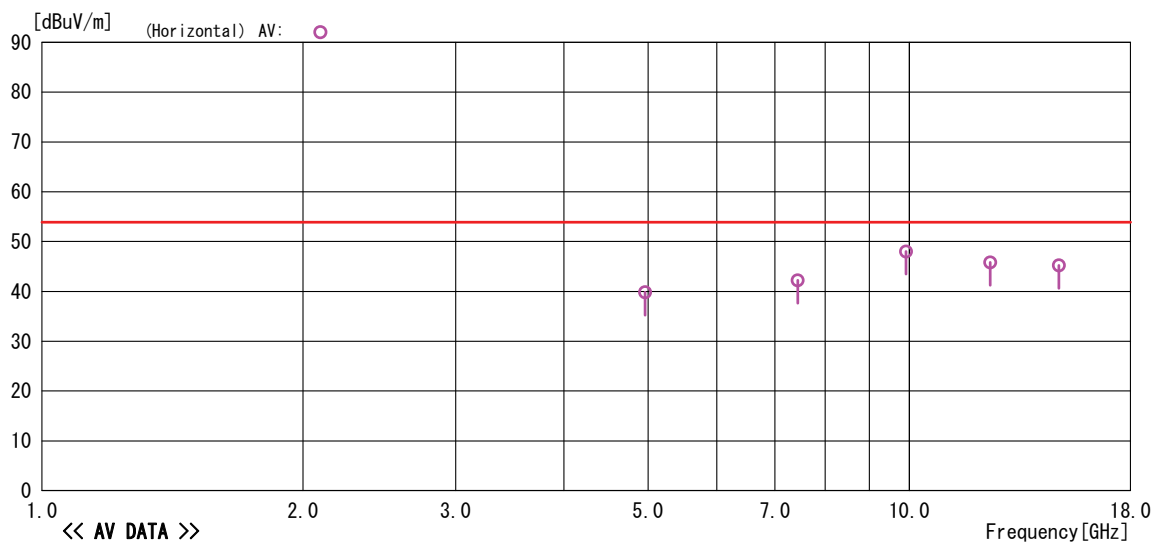
Cosmos Corporation Onoki Lab.
Date : 2013/04/16 23:30:08

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No. : CJ12-113572E
Temp/Humi : 24°C/36%
Condition : Bluetooth DH5 79ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/RE Ver1. 90. 0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch Charging: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/24 23:08:44

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No. : CJ12-113572E
 Temp/Humi : 20°C/48%
 Condition : Bluetooth DH5 79ch Charging
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	9919.371	49.3	38.5	8.1	36.0	59.9	73.9	14.0	Hori.	143	43	HRN
2	12399.200	45.2	39.5	8.6	34.6	58.7	73.9	15.2	Hori.	143	63	HRN
3	14880.990	44.4	36.9	9.8	34.1	57.0	73.9	16.9	Hori.	121	97	HRN
4	9920.644	50.5	38.5	8.1	36.0	61.1	73.9	12.8	Vert.	122	184	HRN

-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch Charging: PK)

RADIATED EMISSION

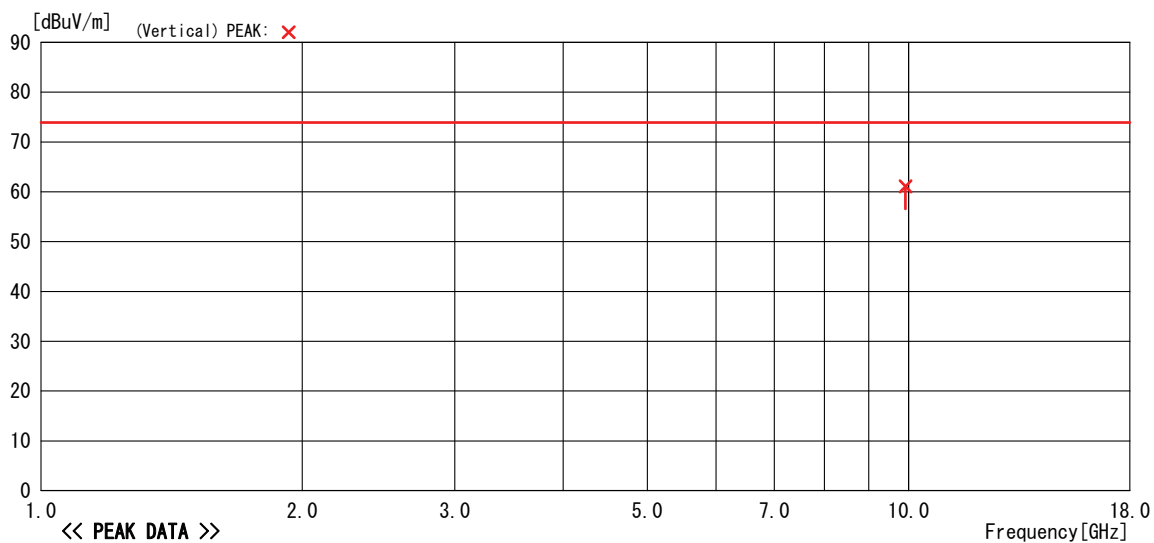
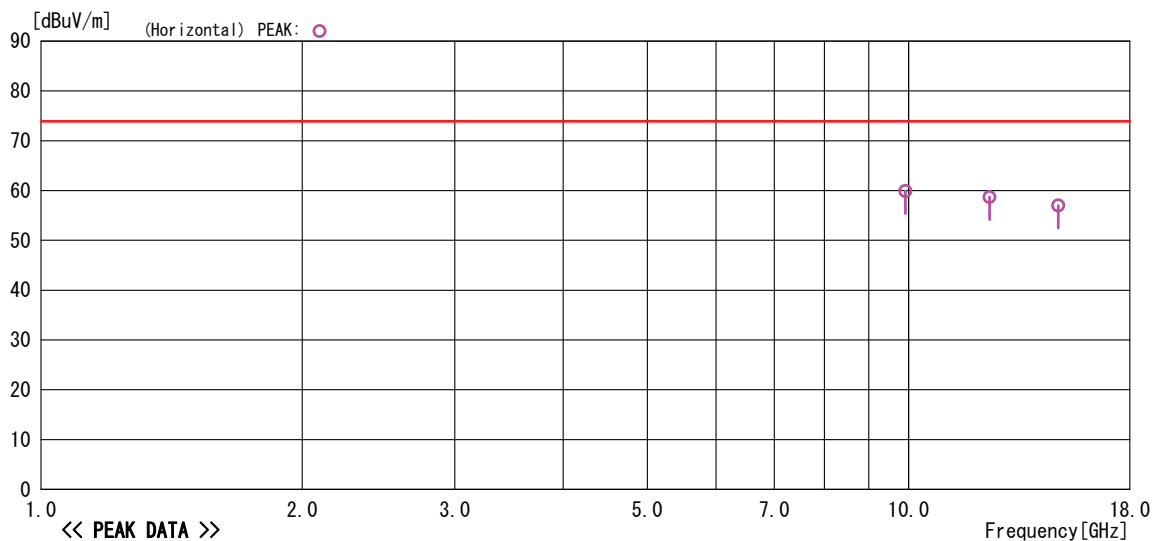
Cosmos Corporation Onoki Lab.
Date : 2013/04/24 23:08:44

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No. : CJ12-113572E
 Temp/Humi : 20°C/48%
 Condition : Bluetooth DH5 79ch Charging
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch Charging: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/24 23:08:44

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : DC5V / AC120V, 60Hz

Job No. : CJ12-113572E
Temp/Humi : 20°C/48%
Condition : Bluetooth DH5 79ch Charging
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant.Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	9919.371	38.5	38.5	8.1	36.0	49.1	53.9	4.8	Hori.	143	43	HRN
2	12399.200	32.5	39.5	8.6	34.6	46.0	53.9	7.9	Hori.	143	63	HRN
3	14880.990	32.2	36.9	9.8	34.1	44.8	53.9	9.1	Hori.	121	97	HRN
4	9920.644	39.8	38.5	8.1	36.0	50.4	53.9	3.5	Vert.	122	184	HRN

-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

1 GHz to 18 GHz (DH5 79 ch Charging: AV)

RADIATED EMISSION

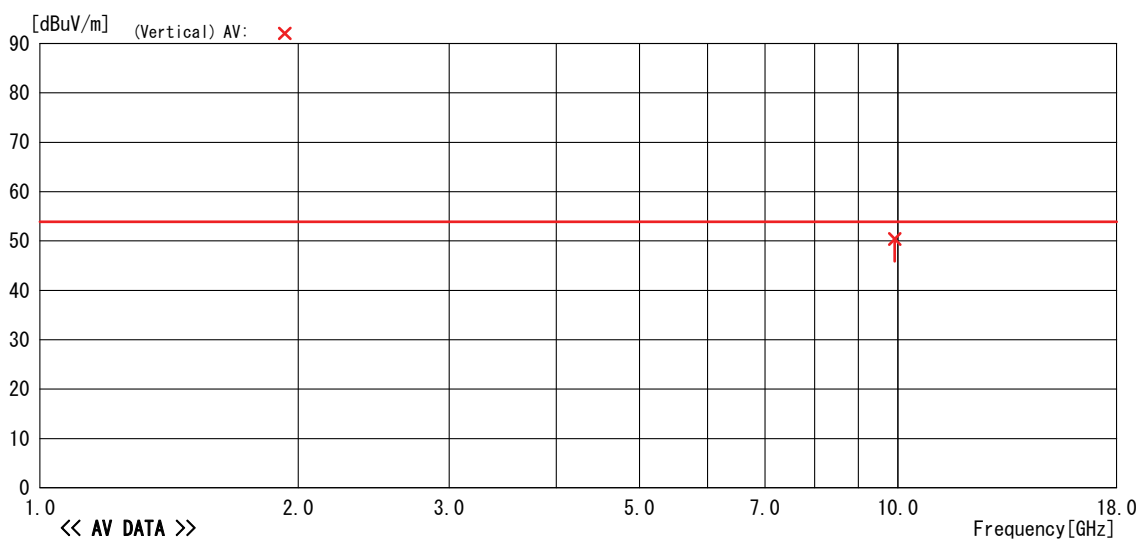
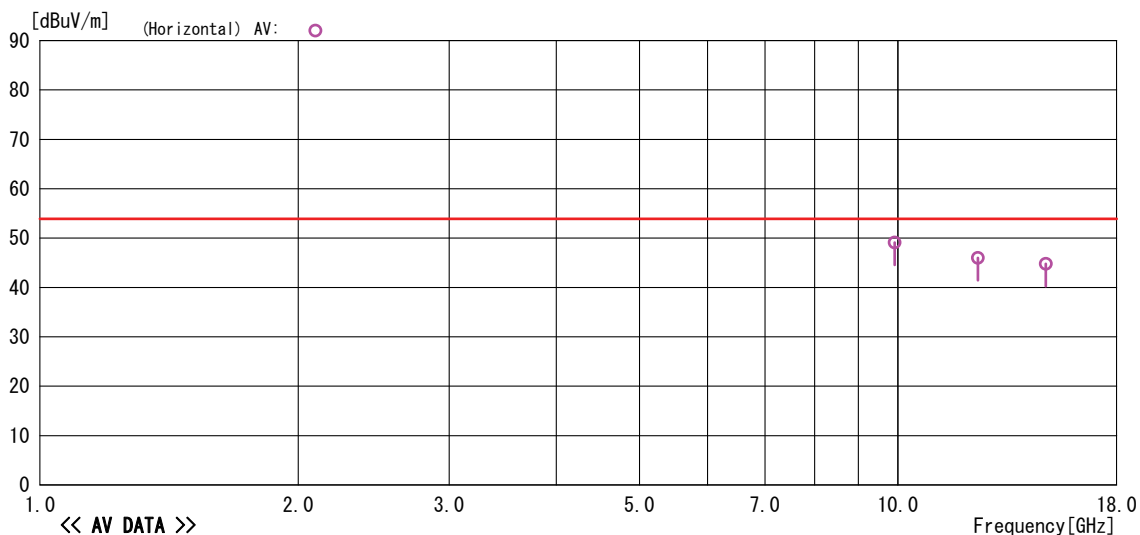
Cosmos Corporation Onoki Lab.
Date : 2013/04/24 23:08:44

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply : DC5V / AC120V, 60Hz

Job No. : CJ12-113572E
Temp/Humi : 20°C/48%
Condition : Bluetooth DH5 79ch Charging
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/RE Ver1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/18 22:06:03

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 24°C, 41%
 Condition : Bluetooth DH5 1ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19214.770	49.1	32.2	5.3	33.6	53.0	73.9	20.9	Hori.	113	245	HRN
2	21616.590	50.2	32.7	5.0	33.9	54.0	73.9	19.9	Hori.	107	56	HRN
3	24021.550	52.6	33.1	5.9	33.5	58.1	73.9	15.8	Hori.	110	56	HRN
4	19217.260	49.4	32.2	5.3	33.6	53.3	73.9	20.6	Vert.	106	225	HRN
5	21616.580	49.2	32.7	5.0	33.9	53.0	73.9	20.9	Vert.	104	239	HRN
6	24018.460	46.1	33.1	5.9	33.5	51.6	73.9	22.3	Vert.	100	134	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch: PK)

RADIATED EMISSION

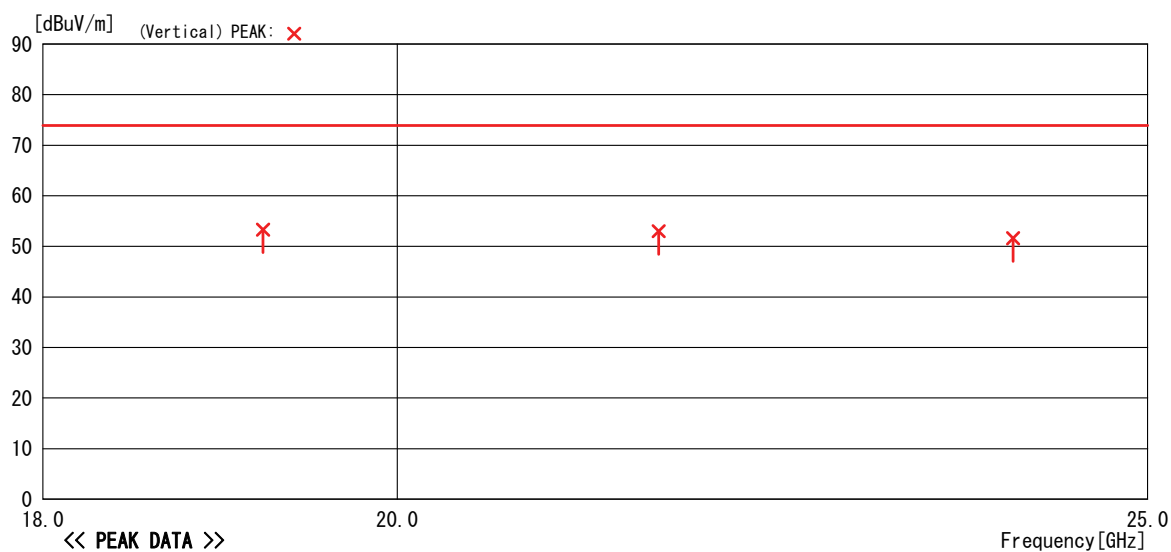
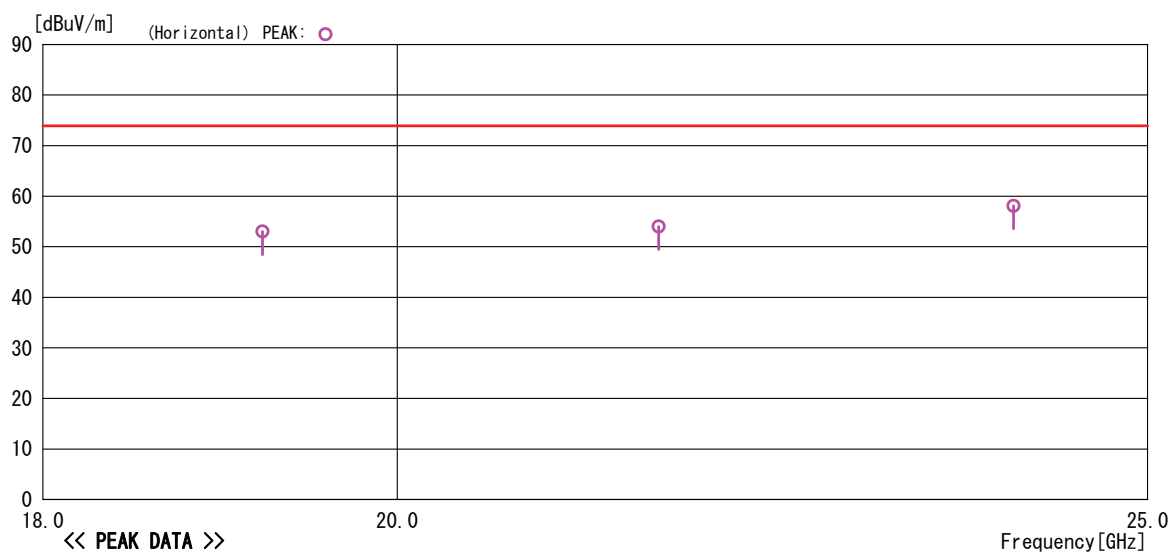
Cosmos Corporation Onoki Lab.
Date : 2013/04/18 22:06:03

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 24°C, 41%
 Condition : Bluetooth DH5 1ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/18 22:06:03

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp/Humi : 24°C, 41%
Condition : Bluetooth DH5 1ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19214.770	36.8	32.2	5.3	33.6	40.7	53.9	13.2	Hori.	113	245	HRN
2	21616.590	37.7	32.7	5.0	33.9	41.5	53.9	12.4	Hori.	107	56	HRN
3	24021.550	41.1	33.1	5.9	33.5	46.6	53.9	7.3	Hori.	110	56	HRN
4	19217.260	37.4	32.2	5.3	33.6	41.3	53.9	12.6	Vert.	106	225	HRN
5	21616.580	36.1	32.7	5.0	33.9	39.9	53.9	14.0	Vert.	104	239	HRN
6	24018.460	33.1	33.1	5.9	33.5	38.6	53.9	15.3	Vert.	100	134	HRN

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5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch: AV)

RADIATED EMISSION

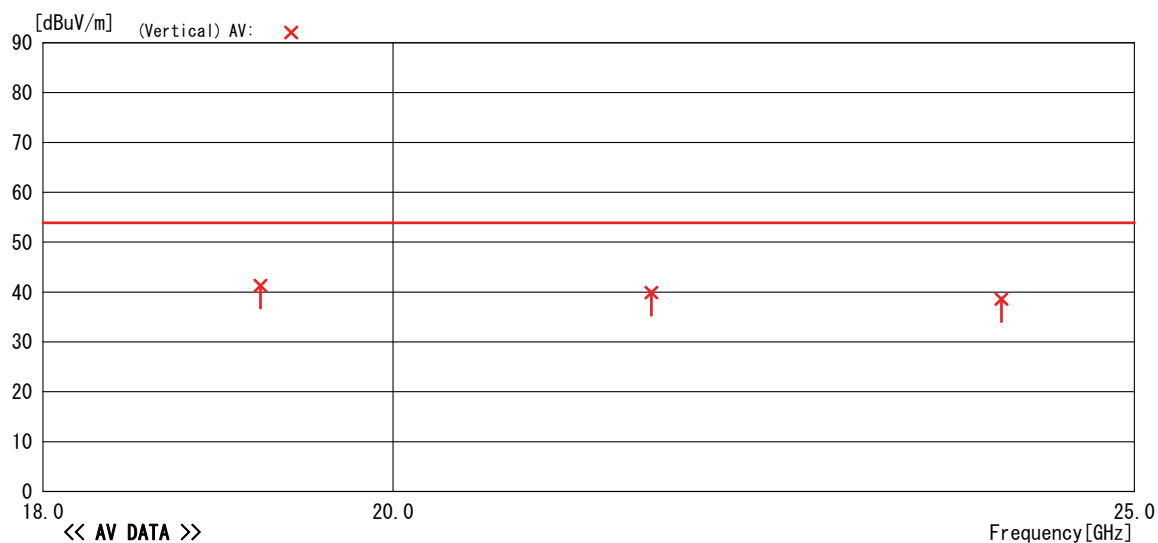
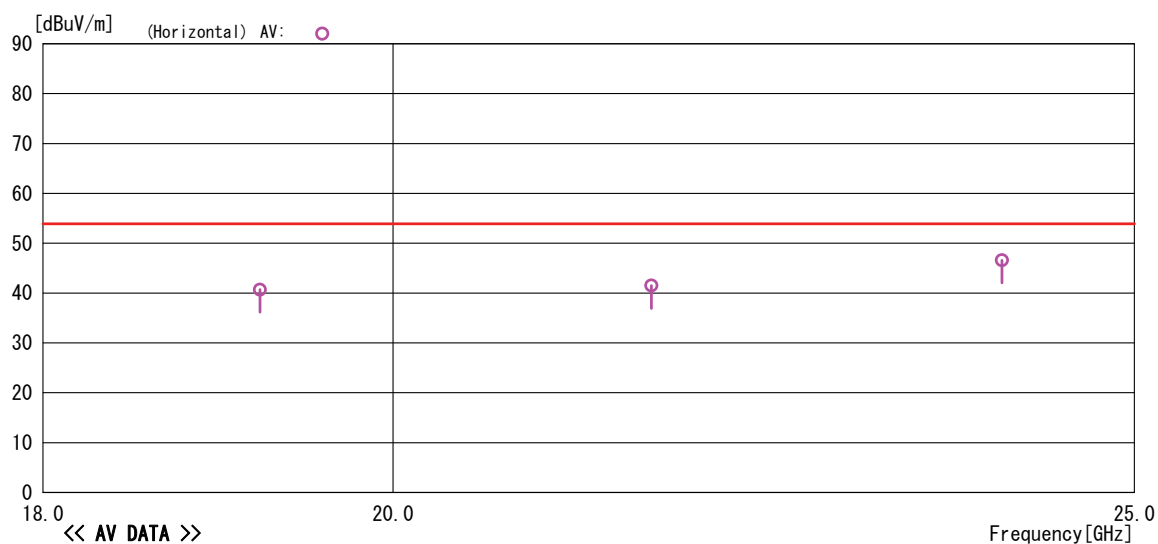
Cosmos Corporation Onoki Lab.
Date : 2013/04/18 22:06:03

Model Name : H560A
 Serial : No.01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 24°C, 41%
 Condition : Bluetooth DH5 1ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 16-26.5GHz (AV)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 40 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 20:34:01

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 40ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19526.800	49.9	32.3	5.3	33.7	53.8	73.9	20.1	Hori.	107	239	HRN
2	21967.580	50.3	32.7	4.6	33.2	54.4	73.9	19.5	Hori.	105	55	HRN
3	22784.190	46.6	32.9	6.0	33.1	52.4	73.9	21.5	Hori.	115	80	HRN
4	24408.420	52.7	33.2	5.9	33.7	58.1	73.9	15.8	Hori.	110	73	HRN
5	19526.770	50.0	32.3	5.3	33.7	53.9	73.9	20.0	Vert.	108	215	HRN
6	21967.570	47.7	32.7	4.6	33.2	51.8	73.9	22.1	Vert.	108	171	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 40 ch: PK)

RADIATED EMISSION

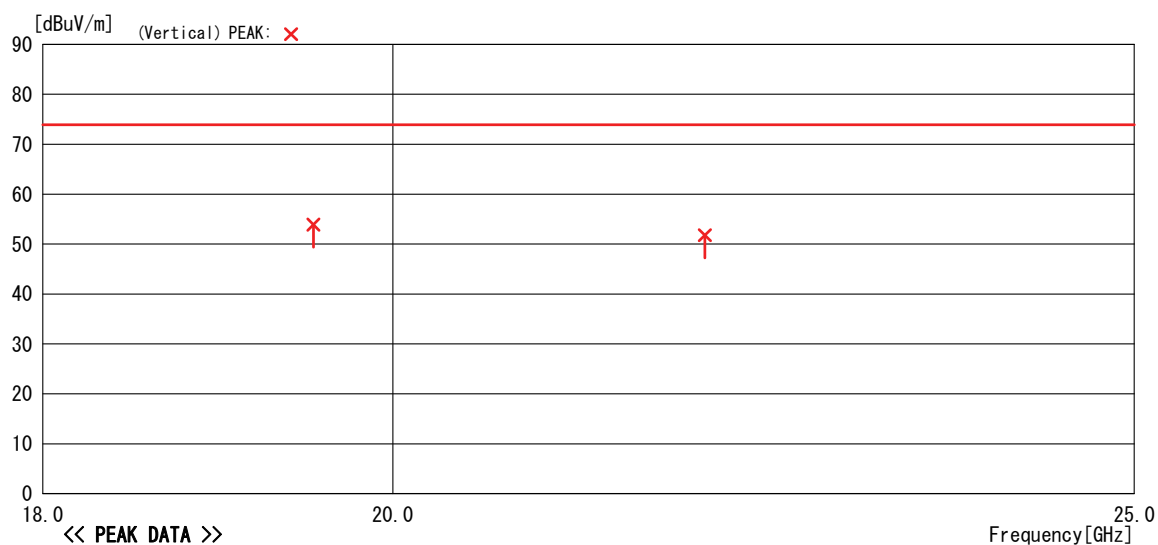
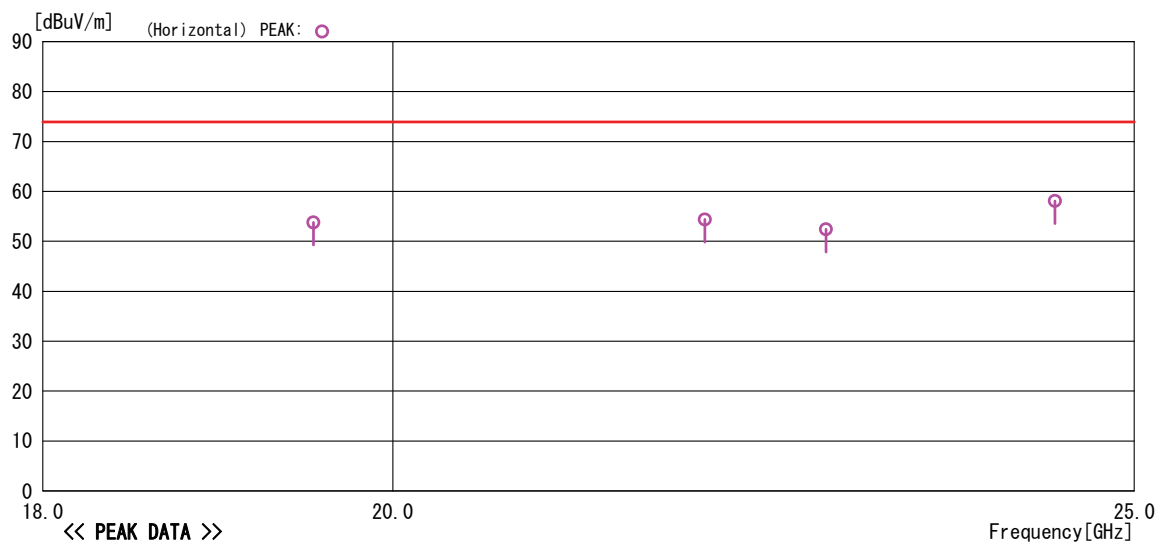
Cosmos Corporation Onoki Lab.
Date : 2013/04/19 20:34:01

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp/Humi : 22°C, 32%
Condition : Bluetooth DH5 40ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 40 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 20:34:01

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp/Humi : 22°C, 32%
Condition : Bluetooth DH5 40ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19526.800	38.2	32.3	5.3	33.7	42.1	53.9	11.8	Hori.	107	239	HRN
2	21967.580	37.9	32.7	4.6	33.2	42.0	53.9	11.9	Hori.	105	55	HRN
3	22784.190	32.9	32.9	6.0	33.1	38.7	53.9	15.2	Hori.	115	80	HRN
4	24408.420	40.9	33.2	5.9	33.7	46.3	53.9	7.6	Hori.	110	73	HRN
5	19526.770	38.2	32.3	5.3	33.7	42.1	53.9	11.8	Vert.	108	215	HRN
6	21967.570	34.7	32.7	4.6	33.2	38.8	53.9	15.1	Vert.	108	171	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 40 ch: AV)

RADIATED EMISSION

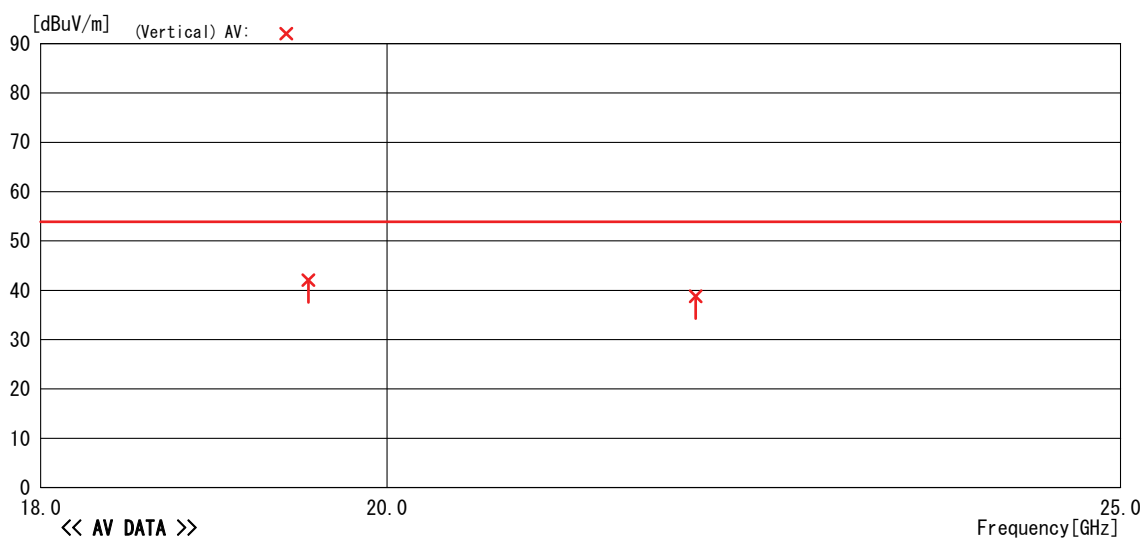
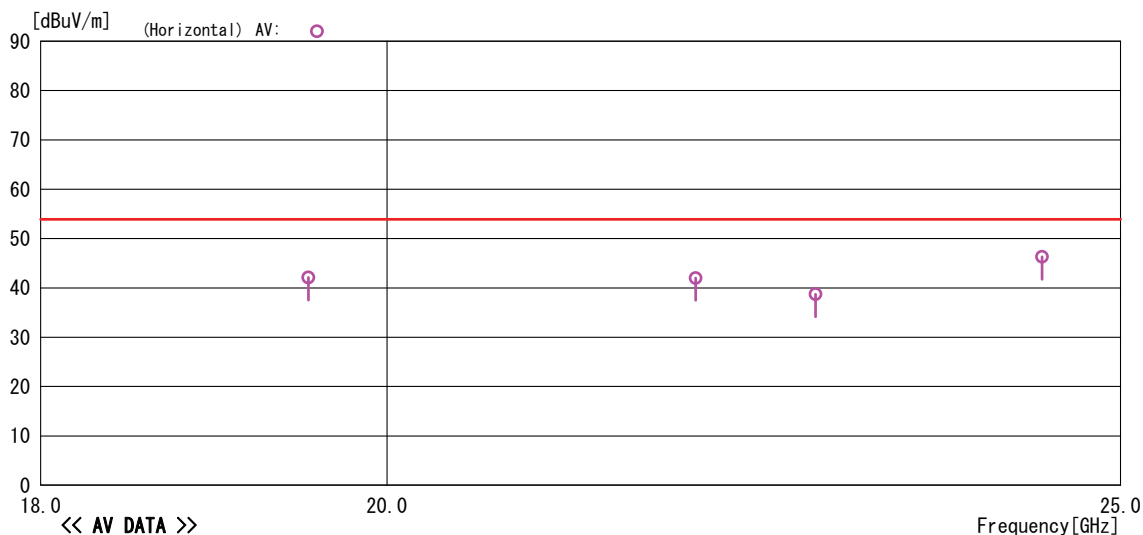
Cosmos Corporation Onoki Lab.
Date : 2013/04/19 20:34:01

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 40ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 79 ch: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 21:34:46

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 79ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz(PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19838.800	49.0	32.3	5.3	34.1	52.5	73.9	21.4	Hori.	106	237	HRN
2	22318.570	51.6	32.8	5.2	33.3	56.3	73.9	17.6	Hori.	107	64	HRN
3	24798.420	50.6	33.3	5.9	33.7	56.1	73.9	17.8	Hori.	111	82	HRN
4	19838.770	49.5	32.3	5.3	34.1	53.0	73.9	20.9	Vert.	107	213	HRN
5	22321.440	48.9	32.8	5.2	33.3	53.6	73.9	20.3	Vert.	107	238	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 79 ch: PK)

RADIATED EMISSION

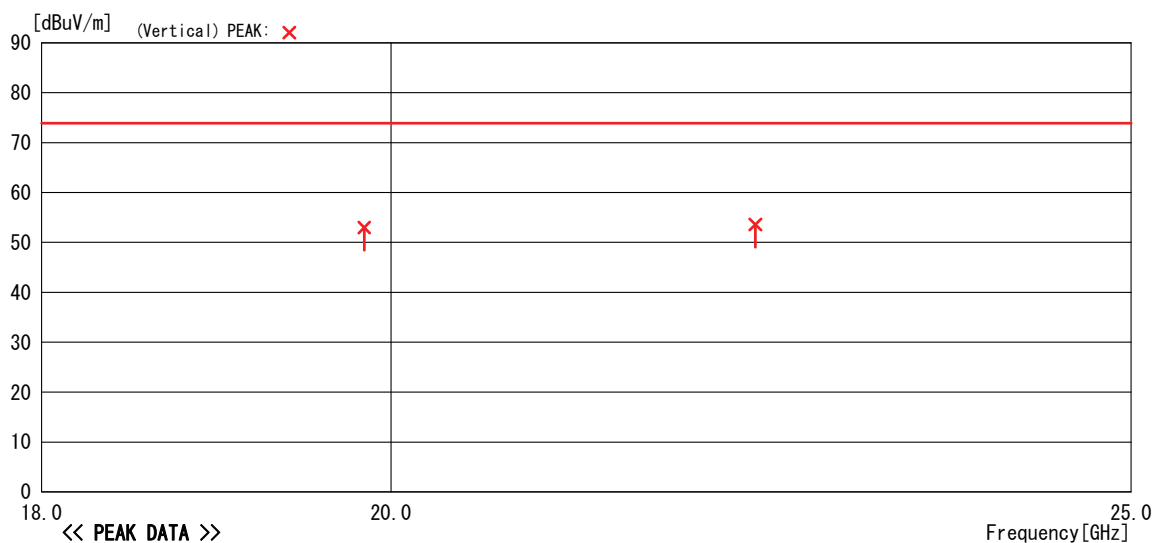
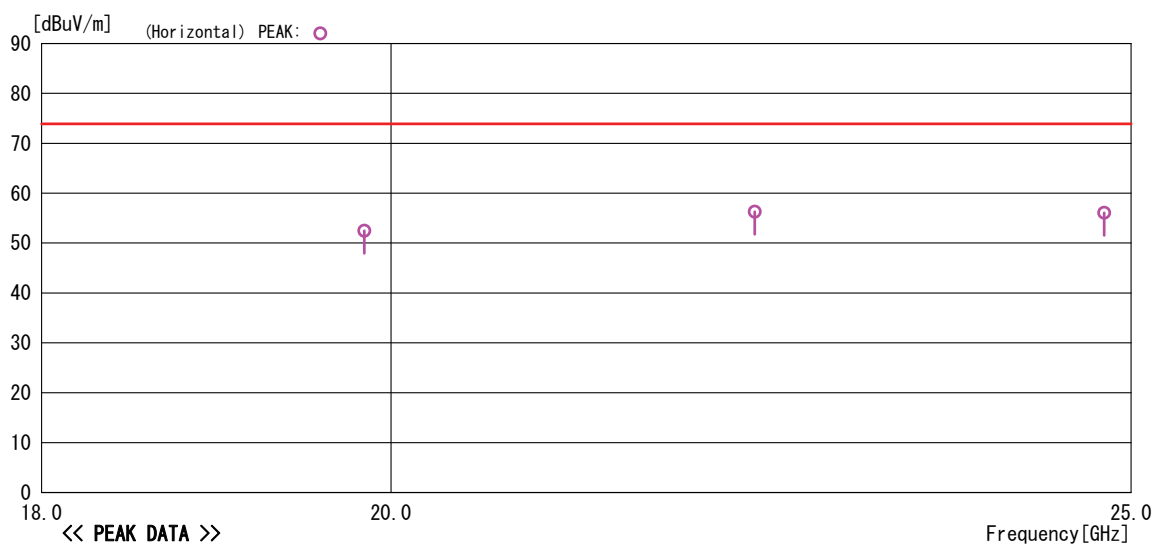
Cosmos Corporation Onoki Lab.
Date : 2013/04/19 21:34:46

Model Name : H560A
 Serial : No.01
 Operator : K.Miyaji
 Power Supply :

Job No : GJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 79ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 79 ch: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 21:34:46

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply :

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 79ch
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19838.800	37.1	32.3	5.3	34.1	40.6	53.9	13.3	Hori.	106	237	HRN
2	22318.570	39.6	32.8	5.2	33.3	44.3	53.9	9.6	Hori.	107	64	HRN
3	24798.420	38.3	33.3	5.9	33.7	43.8	53.9	10.1	Hori.	111	82	HRN
4	19838.770	37.6	32.3	5.3	34.1	41.1	53.9	12.8	Vert.	107	213	HRN
5	22321.440	36.3	32.8	5.2	33.3	41.0	53.9	12.9	Vert.	107	238	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 79 ch: AV)

RADIATED EMISSION

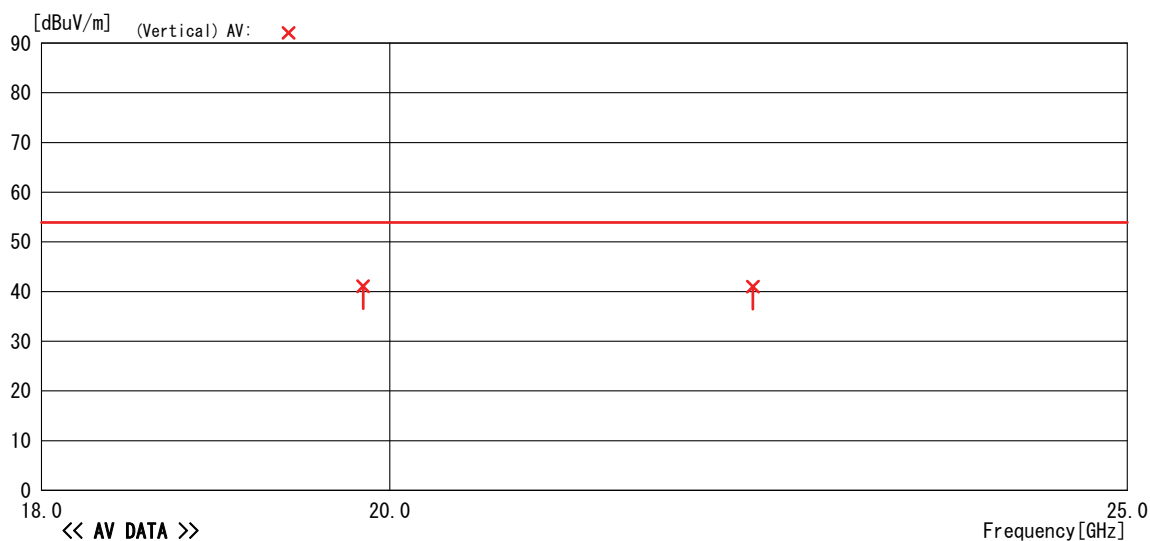
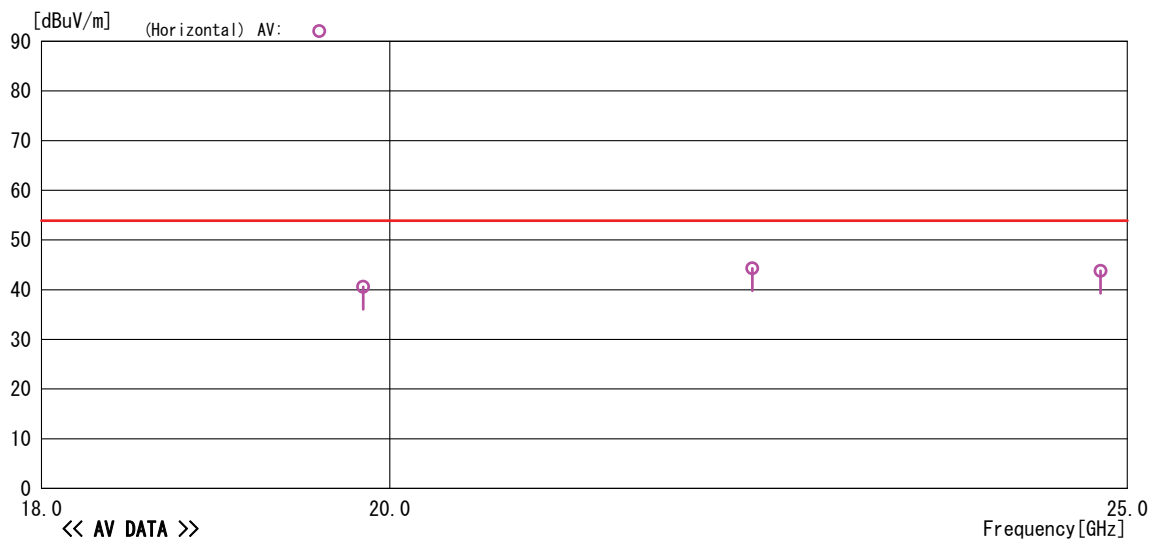
Cosmos Corporation Onoki Lab.
Date : 2013/04/19 21:34:46

Model Name : H560A
Serial : No. 01
Operator : K. Miyaji
Power Supply :

Job No : CJ12-113572E
Temp/Humi : 22°C, 32%
Condition : Bluetooth DH5 79ch
Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch Charging: PK)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 22:29:06

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 1ch Charging
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz(PK)

<< PEAK DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19214.750	49.7	32.2	5.3	33.6	53.6	73.9	20.3	Hori.	108	232	HRN
2	24018.470	52.0	33.1	5.9	33.5	57.5	73.9	16.4	Hori.	109	52	HRN
3	19214.790	51.2	32.2	5.3	33.6	55.1	73.9	18.8	Vert.	107	234	HRN
4	24018.500	45.4	33.1	5.9	33.5	50.9	73.9	23.0	Vert.	100	134	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch Charging: PK)

RADIATED EMISSION

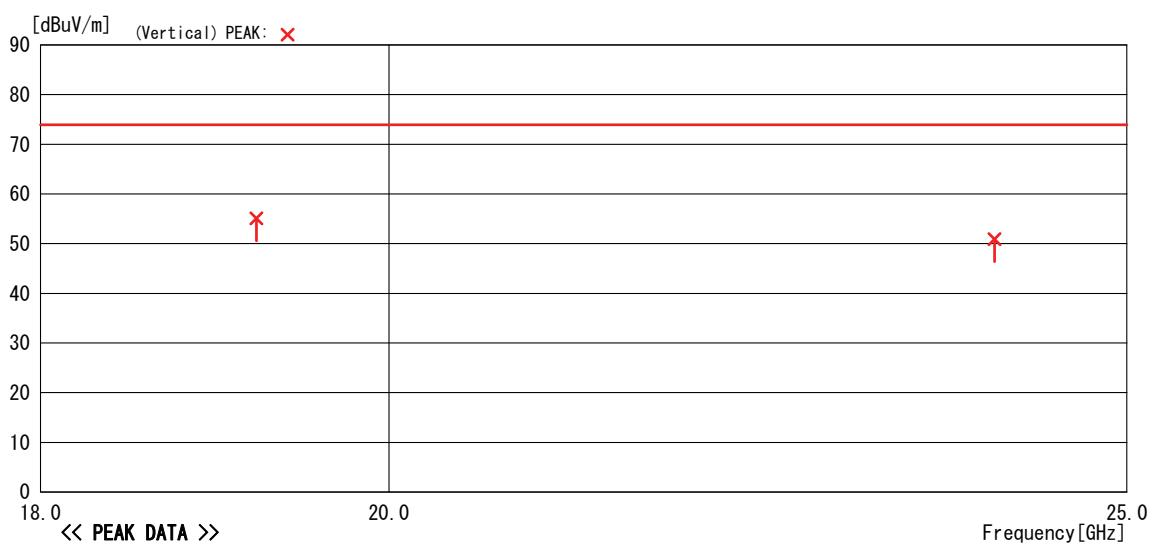
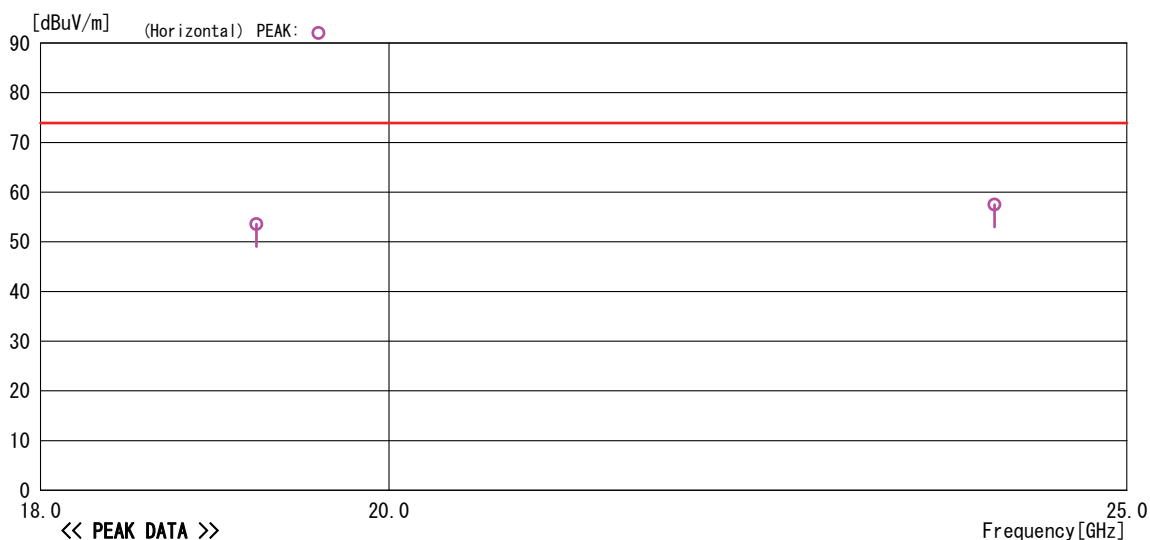
Cosmos Corporation Onoki Lab.
Date : 2013/04/19 22:29:06

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 1ch Charging
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (PK)



-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch Charging: AV)

RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 22:29:06

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 1ch Charging
 Remark : Z axis

Memo : RBW:1MHz

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)

<< AV DATA >>

No	Freq.	Reading	Ant. Fac	Loss	Gain	Result	Limit	Margin	Pola.	Height	Angle	Ant
	[MHz]	[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[H/V]	[cm]	[deg]	Type
1	19214.750	37.8	32.2	5.3	33.6	41.7	53.9	12.2	Hori.	108	232	HRN
2	24018.470	40.3	33.1	5.9	33.5	45.8	53.9	8.1	Hori.	109	52	HRN
3	19214.790	39.7	32.2	5.3	33.6	43.6	53.9	10.3	Vert.	107	234	HRN
4	24018.500	31.7	33.1	5.9	33.5	37.2	53.9	16.7	Vert.	100	134	HRN

-TEPT0-DV/Ver 1.90.0048

5.2.3 Measured Data (Continued) (Worst Test Data)

18 GHz to 25 GHz (DH5 1 ch Charging: AV)

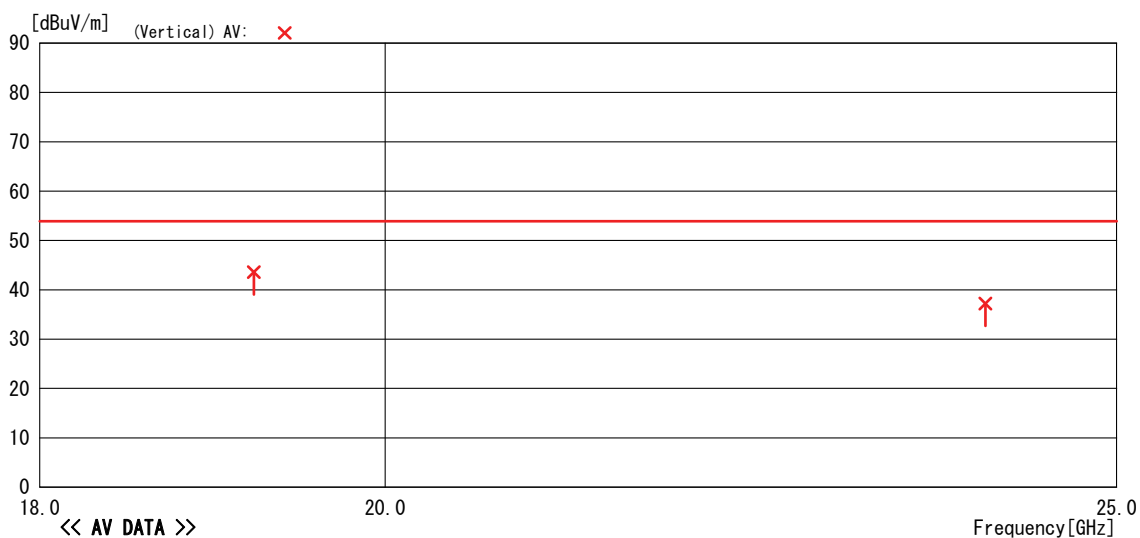
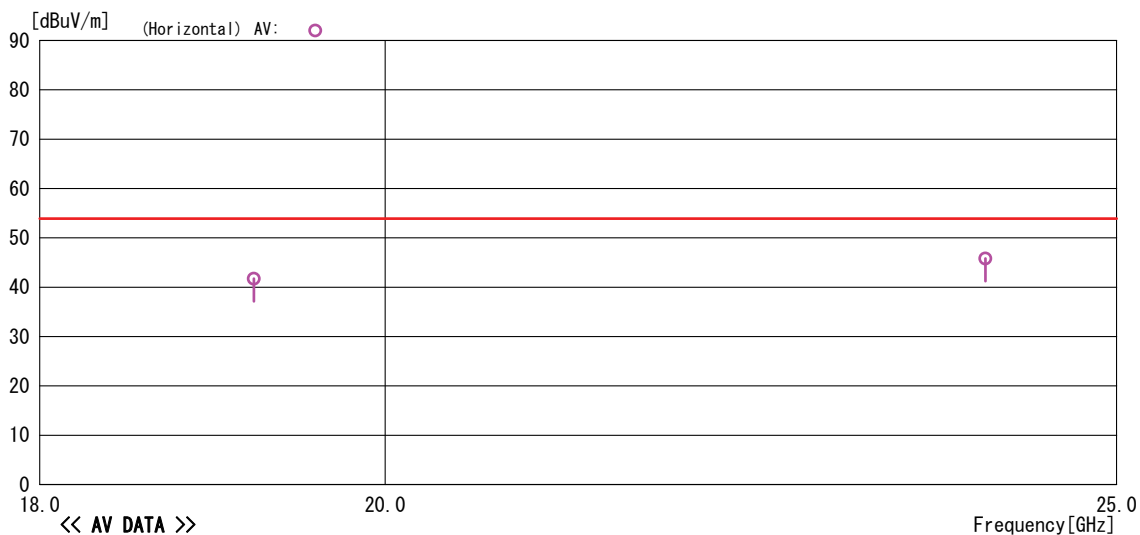
RADIATED EMISSION

Cosmos Corporation Onoki Lab.
Date : 2013/04/19 22:29:06

Model Name : H560A
 Serial : No. 01
 Operator : K. Miyaji
 Power Supply : DC5V / AC120V, 60Hz
 Memo : RBW:1MHz

Job No : CJ12-113572E
 Temp/Humi : 22°C, 32%
 Condition : Bluetooth DH5 1ch Charging
 Remark : Z axis

LIMIT : FCC Subpart C 15.209 (3m) 1G-26.5GHz (AV)



-TEPTO-DV/Ver 1.90.0048

5.3 15.215(c) 20 dB Bandwidth

5.3.1 Setting Remarks

- The both side of 20 dB down value from peak power are measured by using delta-maker function of the spectrum analyzer.
- The spectrum analyzer is set as following;

• Frequency Span	: 5 MHz
• Resolution Bandwidth	: 100 kHz
• Video Bandwidth	: 300 kHz
• Detector Mode	: Peak
• Trace Mode	: Max Hold

- Refer to the figure of 3.2 Test configuration.

5.3.2 Result

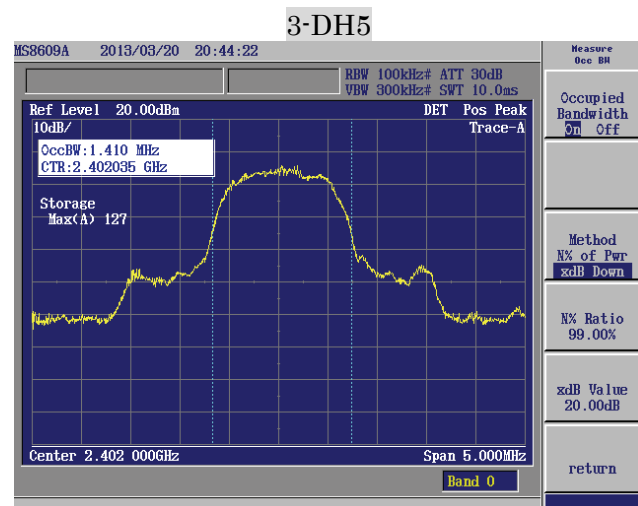
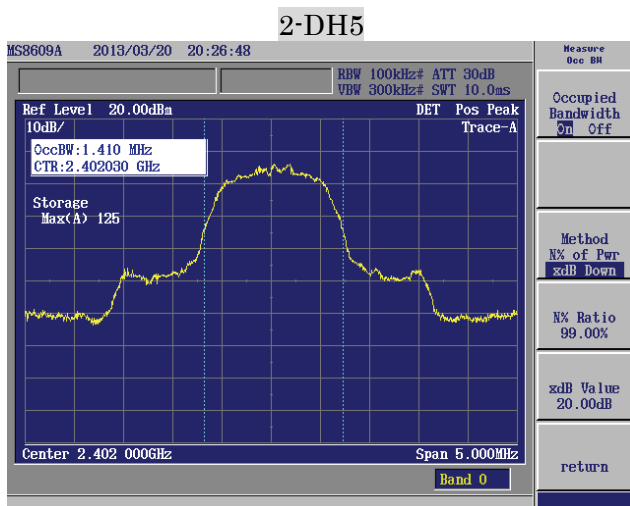
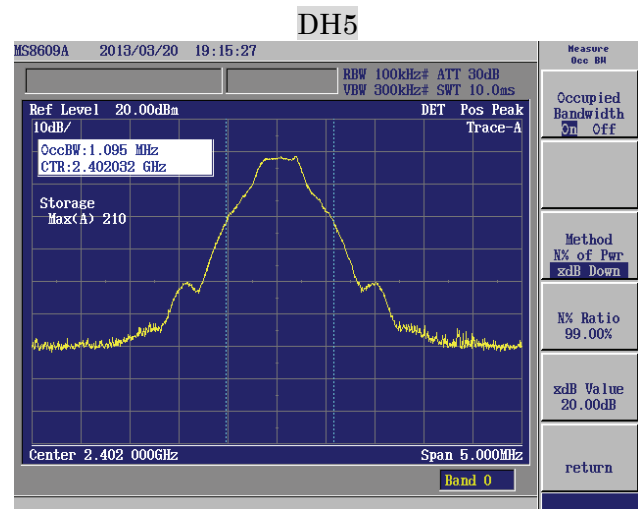
EUT complies with the requirement.

Uncertainty of measurement : ± 0.8 dB

Date of testing : March 20, 2013
Room temperature : 22°C
Relative humidity : 39%

5.3.3 Measured Data

Frequency	Measured Bandwidth (kHz)
DH5	
2402 (1ch)	1095
2441 (40ch)	1070
2480 (79ch)	1095
2-DH5	
2402 (1ch)	1410
2441 (40ch)	1410
2480 (79ch)	1410
3-DH5	
2402 (1ch)	1410
2441 (40ch)	1385
2480 (79ch)	1400



Note: These are screen shots of worst data.

5.4 15.247(b) Maximum Peak Conducted Output Power

5.4.1 Setting Remarks

·The spectrum analyzer is set as following;

·Frequency Span	: 8 MHz
·Resolution Bandwidth	: 3 MHz
·Video Bandwidth	: 10 MHz
·Detector Mode	: Peak
·Trace Mode	: Max Hold

·Refer to the figure of 3.2 Test configuration.

5.4.2 Result

EUT complies with the requirement.

Uncertainty of measurement result : ± 0.5 dB

Date of testing	: October 23, 2013
Room temperature	: 21°C
Relative humidity	: 49%

5.4.3 Measured Data

Voltage -15%

Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Margin (dB)
DH5			
2402 (1ch)	8.33	30	21.67
2441 (40ch)	8.61	30	21.39
2480 (79ch)	8.70	30	21.30
2-DH5			
2402 (1ch)	8.21	30	21.79
2441 (40ch)	8.51	30	21.49
2480 (79ch)	8.64	30	21.36
3-DH5			
2402 (1ch)	9.09	30	20.91
2441 (40ch)	9.28	30	20.72
2480 (79ch)	9.34	30	20.66

Voltage Normal

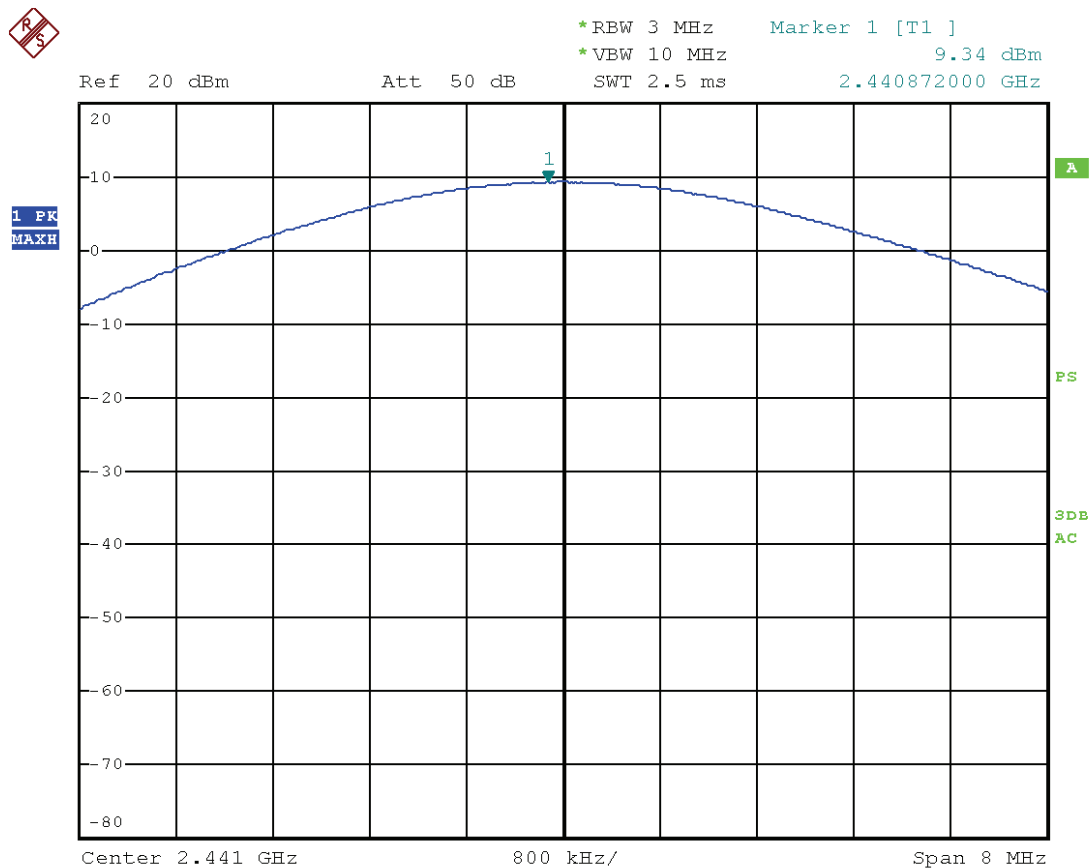
Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Margin (dB)
DH5			
2402 (1ch)	8.33	30	21.67
2441 (40ch)	8.61	30	21.39
2480 (79ch)	8.67	30	21.33
2-DH5			
2402 (1ch)	8.24	30	21.76
2441 (40ch)	8.51	30	21.49
2480 (79ch)	8.61	30	21.39
3-DH5			
2402 (1ch)	9.09	30	20.91
2441 (40ch)	9.28	30	20.72
2480 (79ch)	9.31	30	20.69

Voltage +15%

Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Margin (dB)
DH5			
2402 (1ch)	8.30	30	21.70
2441 (40ch)	8.61	30	21.39
2480 (79ch)	8.67	30	21.33
2-DH5			
2402 (1ch)	8.24	30	21.76
2441 (40ch)	8.51	30	21.49
2480 (79ch)	8.64	30	21.36
3-DH5			
2402 (1ch)	9.03	30	20.97
2441 (40ch)	9.34	30	20.66
2480 (79ch)	9.34	30	20.66

5.4.3 Measured Data (Continued)

3-DH5 40ch



Date: 23.OCT.2013 14:20:53

Note: This is worst data.

5.5 15.247(a) Carrier Frequency Separation

5.5.1 Setting Remarks

·The spectrum analyzer is set as following;

·Frequency Span	: 3 MHz
·Resolution Bandwidth	: 30 kHz
·Detector Mode	: RMS
·Trace Mode	: Max Hold

·Refer to the figure of 3.2 Test configuration.

5.5.2 Result

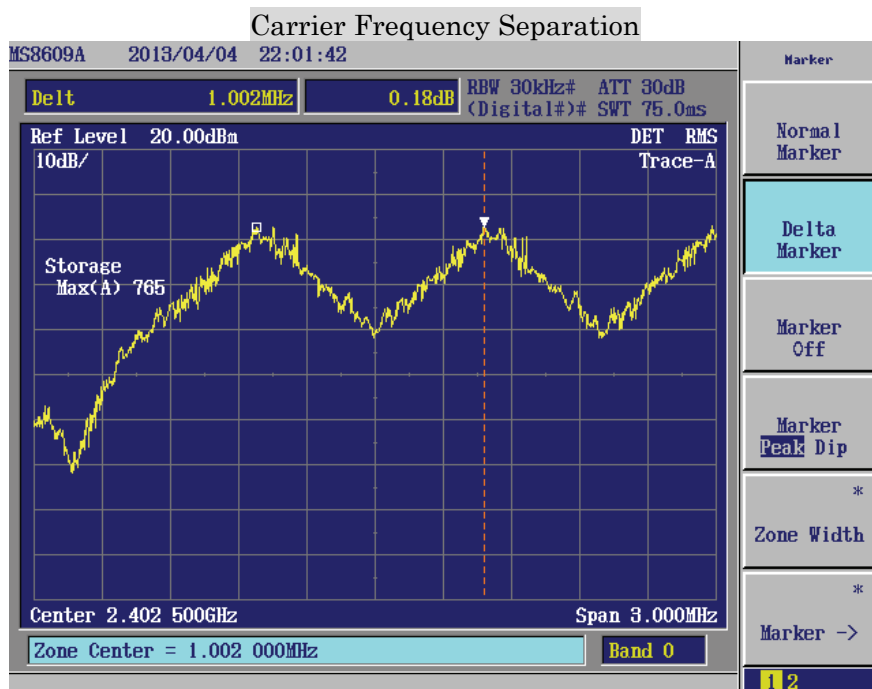
EUT complies with the requirement.

Uncertainty of measurement : ± 0.8 dB

Date of testing	: April 4, 2013
Room temperature	: 21°C
Relative humidity	: 36%

5.5.3 Measured Data

	Measured Separation (kHz)	Limit (kHz)
Carrier Frequency Separation	1002	Two-thirds of the 20dB BW ($> 940 = 1410 \times 2/3$)



5.6 15.247(a) Number of Channels

5.6.1 Setting Remarks

·The spectrum analyzer is set as following;

·Frequency Span	: 83.5 MHz
·Resolution Bandwidth	: 300 kHz
·Detector Mode	: RMS
·Trace Mode	: Max Hold

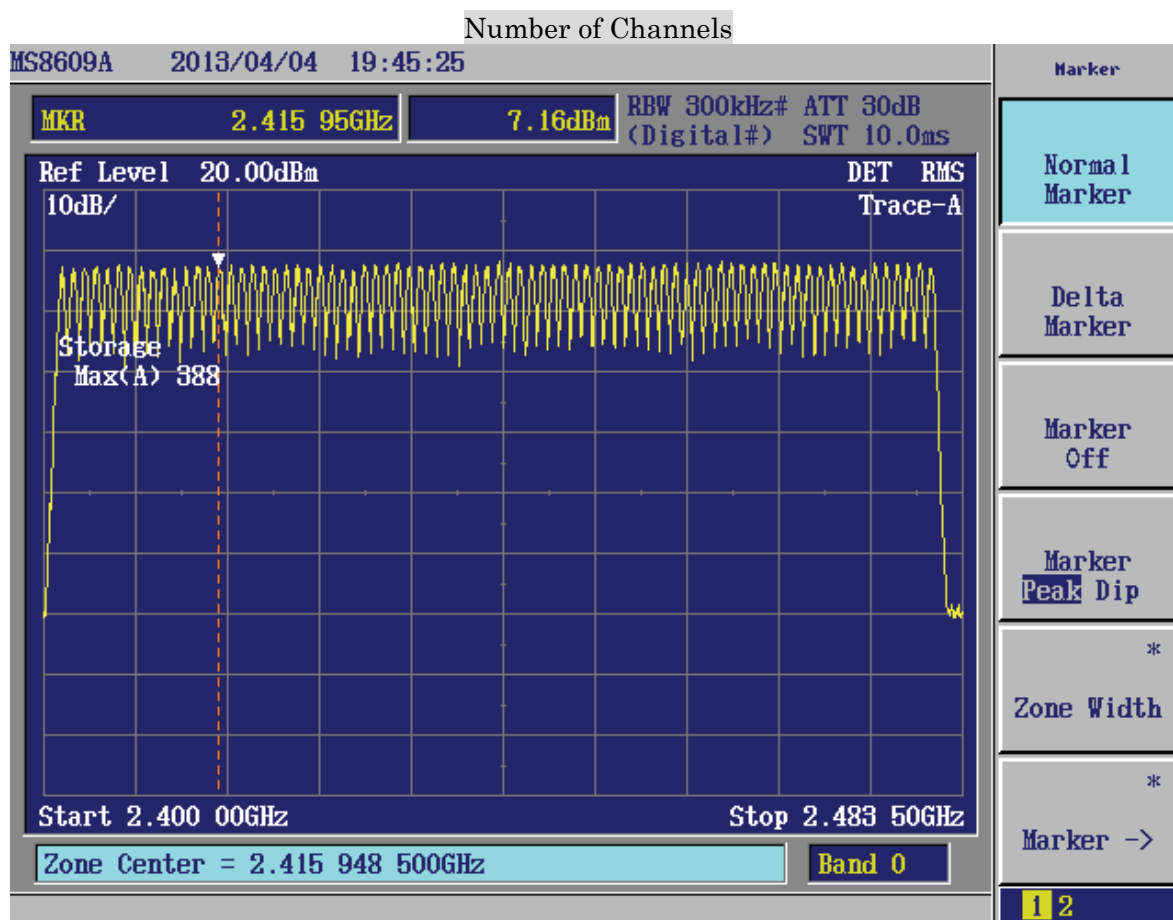
·Refer to the figure of 3.2 Test configuration.

5.6.2 Result

EUT complies with the requirement.

Date of testing	: April 4, 2013
Room temperature	: 21℃
Relative humidity	: 36%

5.6.3 Measured Data



5.7 15.247(a) Time of Occupancy

5.7.1 Setting Remarks

- Time of Occupancy is determined by using the marker-data function of spectrum analyzer.
- The spectrum analyzer is set as following to measure Time of Occupancy;

·Span	: 0 Hz
·Resolution Bandwidth	: 300 kHz
·Video Bandwidth	: 1 MHz
·Detector Mode	: Peak

- Refer to the figure of 3.2 Test configuration.

5.7.2 Result

EUT complies with the requirement.

Uncertainty of measurement result : 1 μ sec

Date of testing	: April 5, 2013
Room temperature	: 21°C
Relative humidity	: 36%

5.7.3 Measured Data

DH5

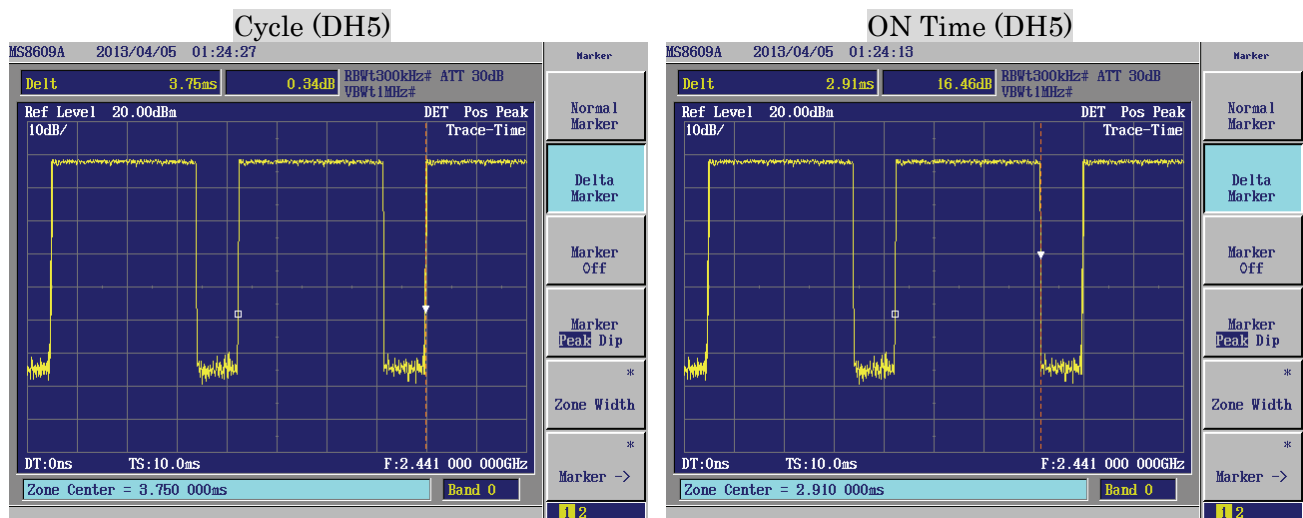
Frequency [MHz]	Cycle [ms]	ON Time [ms]	Duty cycle	Dwell Time [s]	Limit [s]	Margin [s]
2441(40ch)	3.75	2.91	0.78	0.31	0.40	0.09

2-DH5

Frequency [MHz]	Cycle [ms]	ON Time [ms]	Duty cycle	Dwell Time [s]	Limit [s]	Margin [s]
2441(40ch)	3.74	2.92	0.78	0.31	0.40	0.09

3-DH5

Frequency [MHz]	Cycle [ms]	ON Time [ms]	Duty cycle	Dwell Time [s]	Limit [s]	Margin [s]
2441(40ch)	3.76	2.93	0.78	0.31	0.40	0.09



Note: These are representative screen shots.

5.8 15.247(d) Conducted Spurious Emission

5.8.1 Setting Remarks

- The Spectrums are scanned from the lowest generated frequency of EUT up to the 10th harmonics by using the spectrum analyzer.
- The spectrum analyzer is set as following;

·Resolution Bandwidth	: 100 kHz
·Video Bandwidth	: 300 kHz
·Detector Mode	: Peak
·Trace Mode	: Max Hold

- Refer to the figure of 3.2 Test configuration.

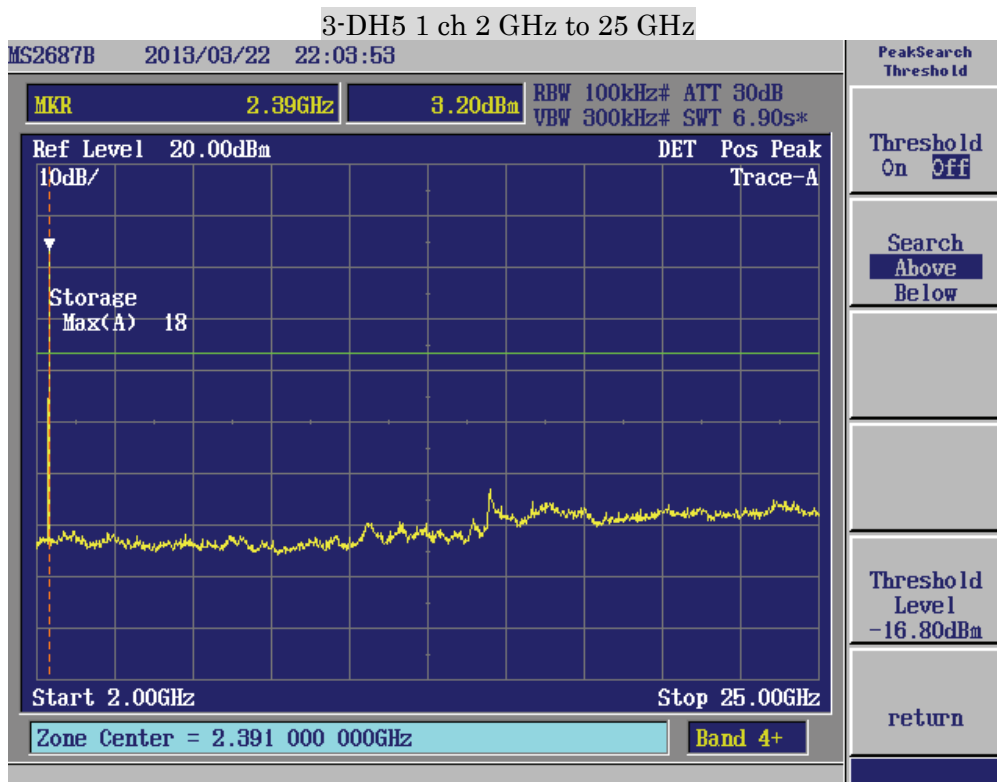
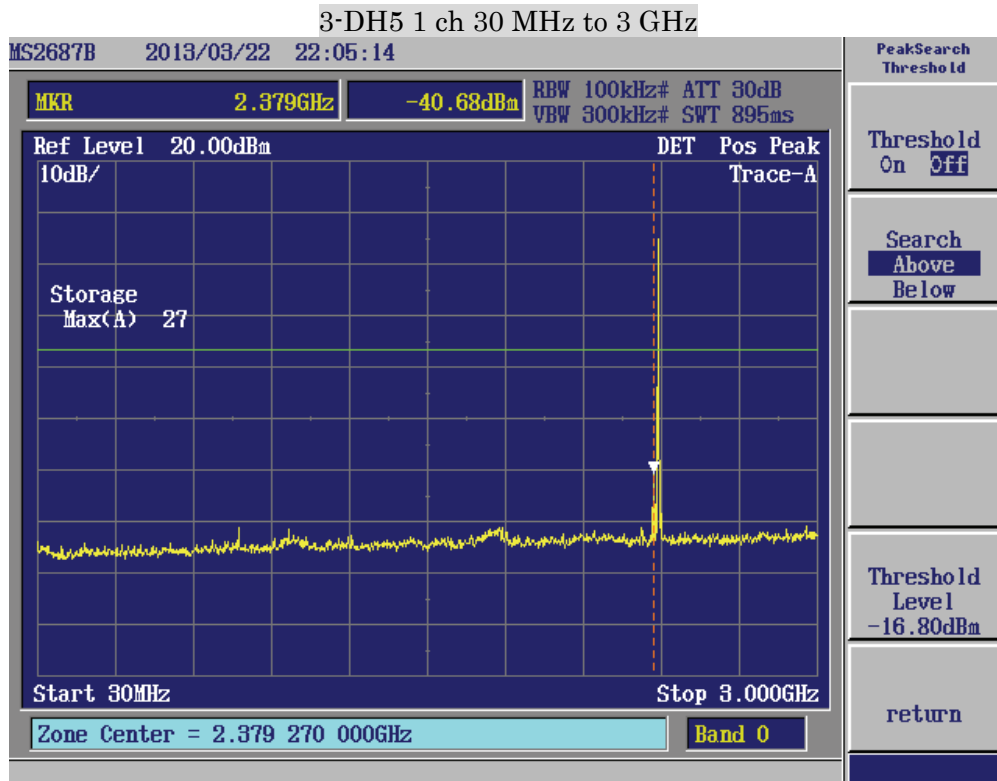
5.8.2 Result

EUT complies with the requirement.

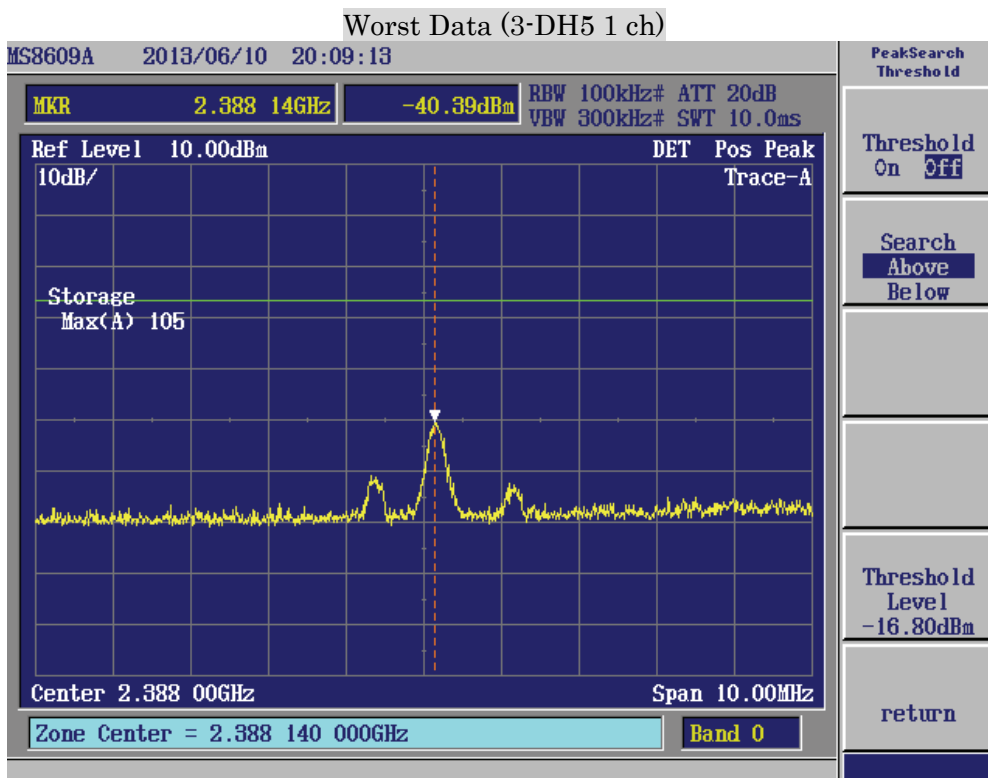
Uncertainty of measurement result : ± 0.8 dB

Date of testing	: March 22 and June 10, 2013
Room temperature	: 24°C, 24°C
Relative humidity	: 41%, 34%

5.8.3 Measured Data



5.8.3 Measured Data (Continued)



5.9 15.247(d) Band Edge Measurement

5.9.1 Setting Remarks

- This measurement is repeated in both side of the spectrum.
- The spectrum analyzer is set as following;
 - Frequency Span : 50 MHz
 - Resolution Bandwidth : 1 MHz
 - Video Bandwidth : 3 MHz
 - Detector Mode : Peak / Linear average
- Refer to the figure of 3.2 Test configuration.

5.9.2 Result

EUT complies with the requirement.

Uncertainty of measurement result : ± 2.26 dB

Date of testing : March 27 and April 1, 2013
Room temperature : 20°C, 21°C
Relative humidity : 35%, 43%

5.9.3 Measured Data**DH5**

Frequency	CH	Detector	Reading	c.f.	Result	Limit	Margin
			dB μ V	dB/m	dB μ V/m	dB μ V/m	dB
Below 2390 MHz	1ch	PK	67.55	-5.17	62.4	73.9	11.5
		AV	50.02	-5.17	44.9	53.9	9.0
Above 2483.5 MHz	79ch	PK	62.84	-4.94	57.9	73.9	16.0
		AV	47.10	-4.94	42.2	53.9	11.7

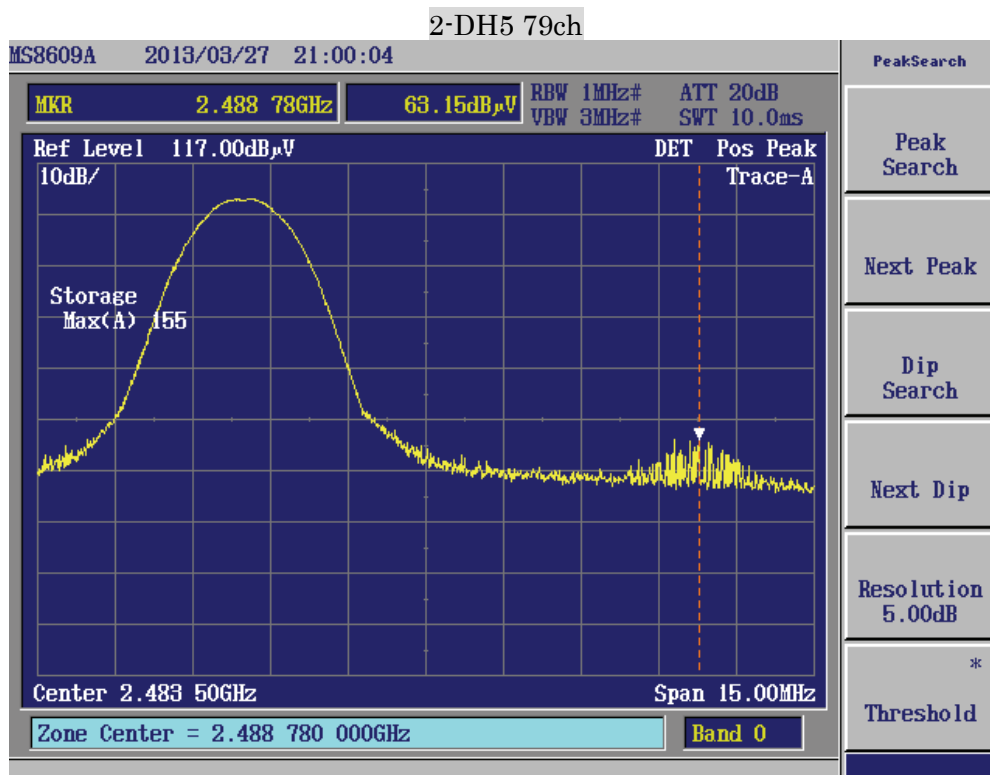
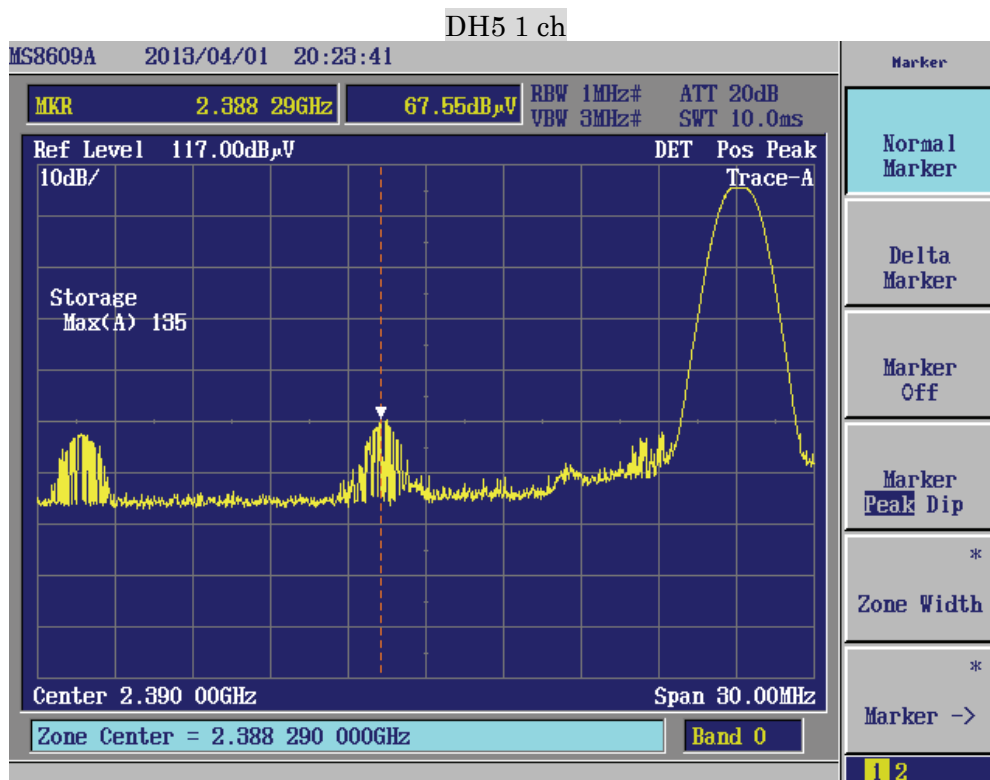
2-DH5

Frequency	CH	Detector	Reading	c.f.	Result	Limit	Margin
			dB μ V	dB/m	dB μ V/m	dB μ V/m	dB
Below 2390 MHz	1ch	PK	66.37	-5.17	61.2	73.9	12.7
		AV	48.21	-5.17	43.1	53.9	10.8
Above 2483.5 MHz	79ch	PK	63.15	-4.94	58.3	73.9	15.6
		AV	48.15	-4.94	43.3	53.9	10.6

3-DH5

Frequency	CH	Detector	Reading	c.f.	Result	Limit	Margin
			dB μ V	dB/m	dB μ V/m	dB μ V/m	dB
Below 2390 MHz	1ch	PK	66.66	-5.17	61.5	73.9	12.4
		AV	49.04	-5.17	43.9	53.9	10.0
Above 2483.5 MHz	79ch	PK	62.92	-4.94	58.0	73.9	15.9
		AV	50.94	-4.94	46.0	53.9	7.9

5.9.3 Measured Data (Continued)



Note: These are screen shots of peak waveform of worst data.

6. Photos

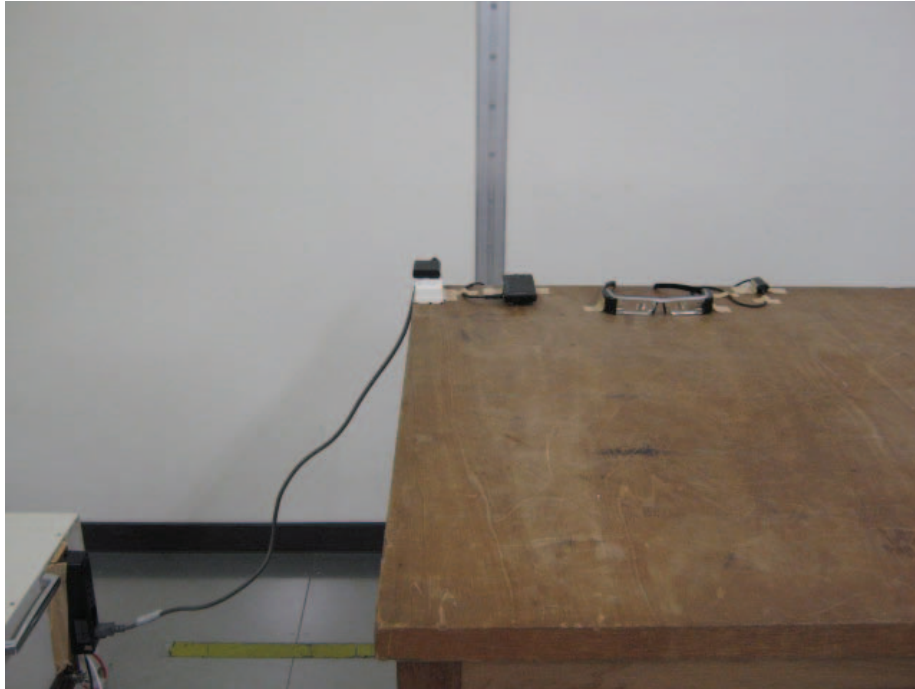
External Photo of Controller (EUT7)



Note: EUT1, EUT4 and EUT7 are the same appearance.

6. Photos (Continued)

AC Power Line Conducted Emission

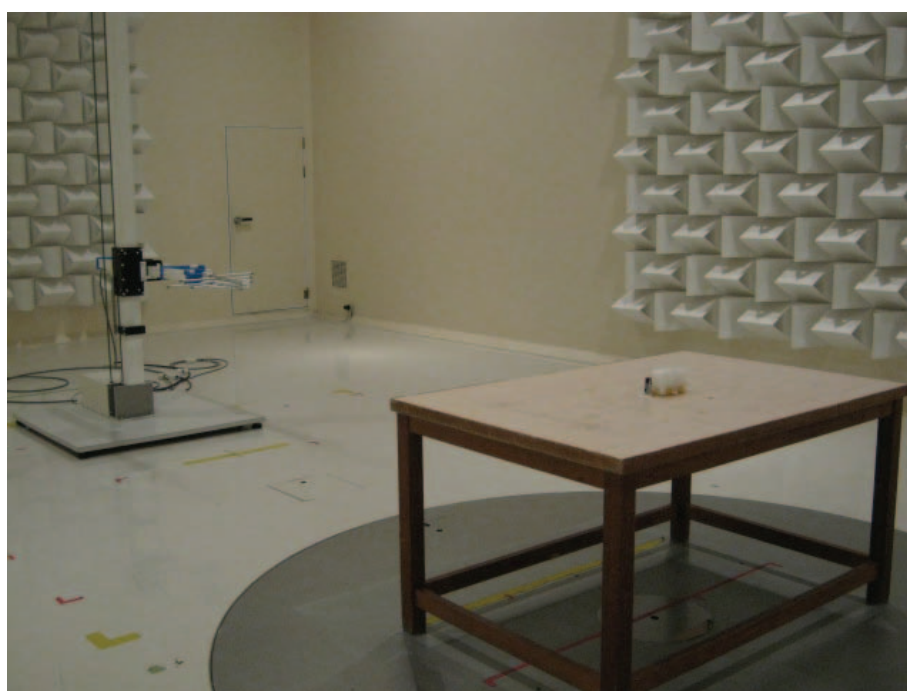


6. Photos (Continued)

Radiated Spurious Emission

Below 1 GHz

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5)

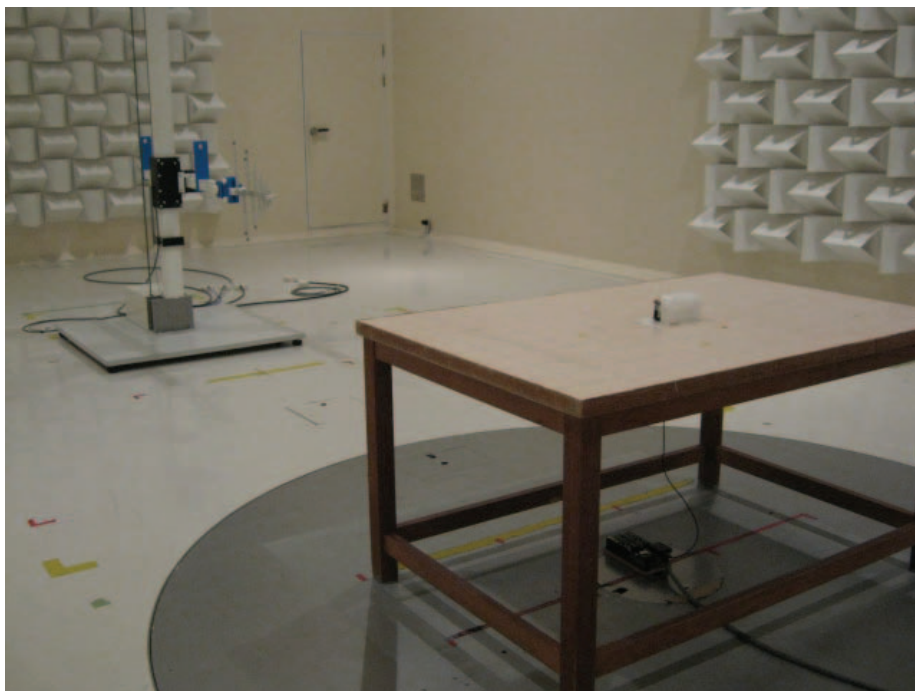
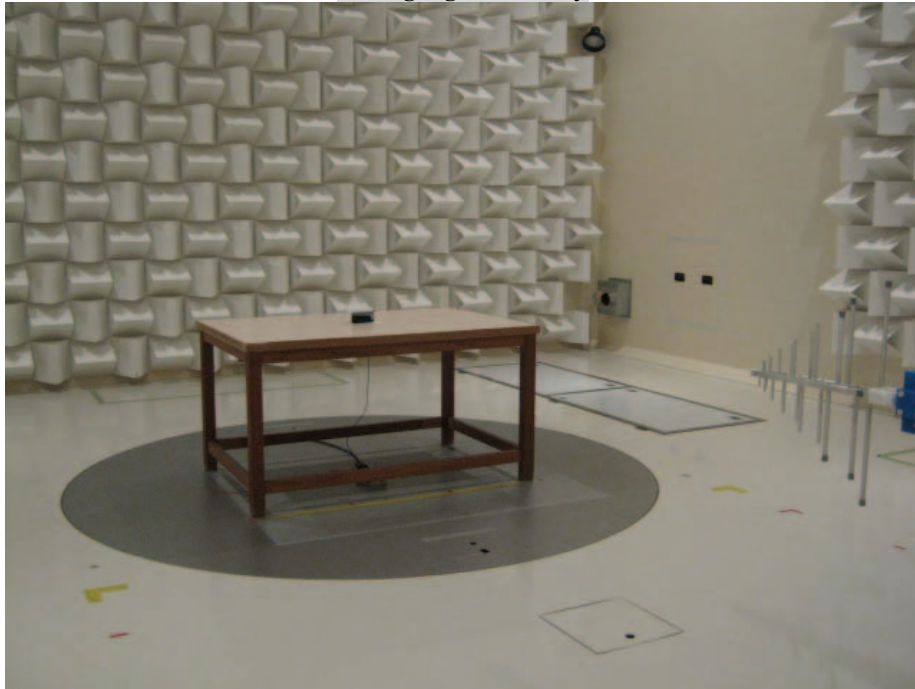


6. Photos (Continued)

Radiated Spurious Emission

Below 1 GHz

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5) including the Function of Charging a Battery



6. Photos (Continued)

Radiated Spurious Emission / Band Edge Measurement

Above 1 GHz

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5)

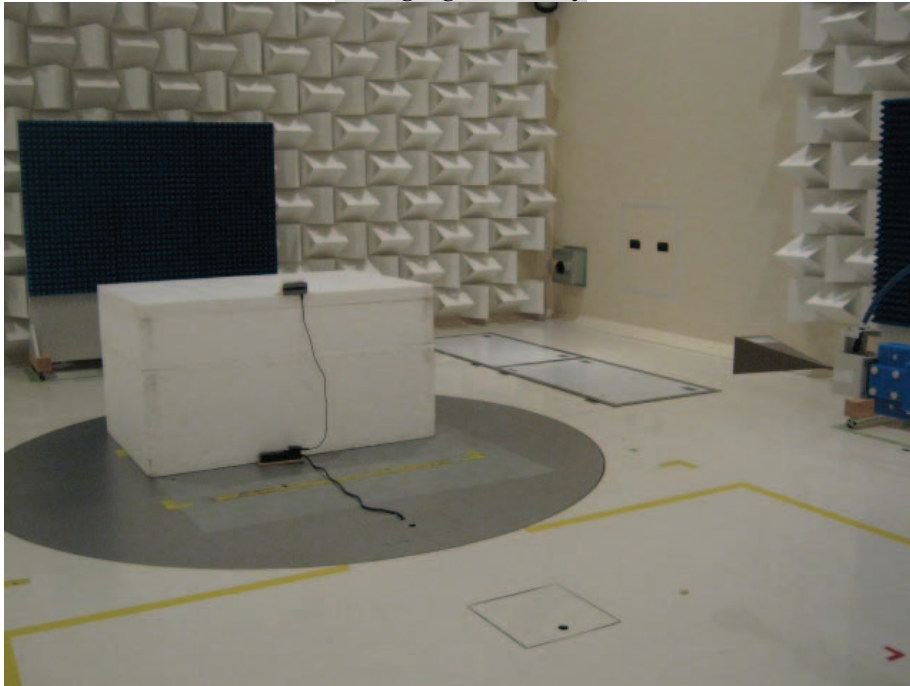


6. Photos (Continued)

Radiated Spurious Emission / Band Edge Measurement

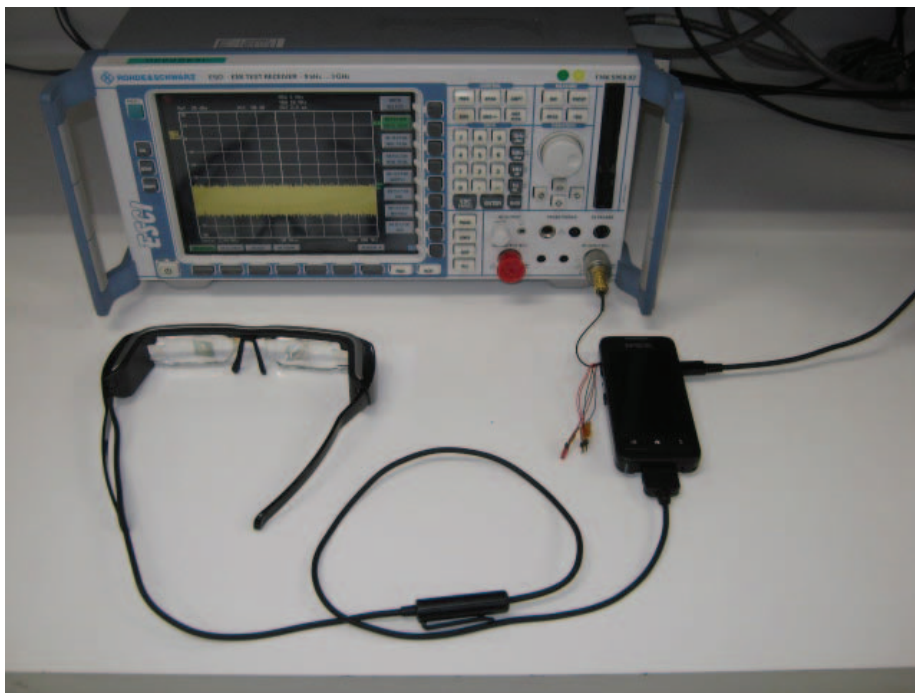
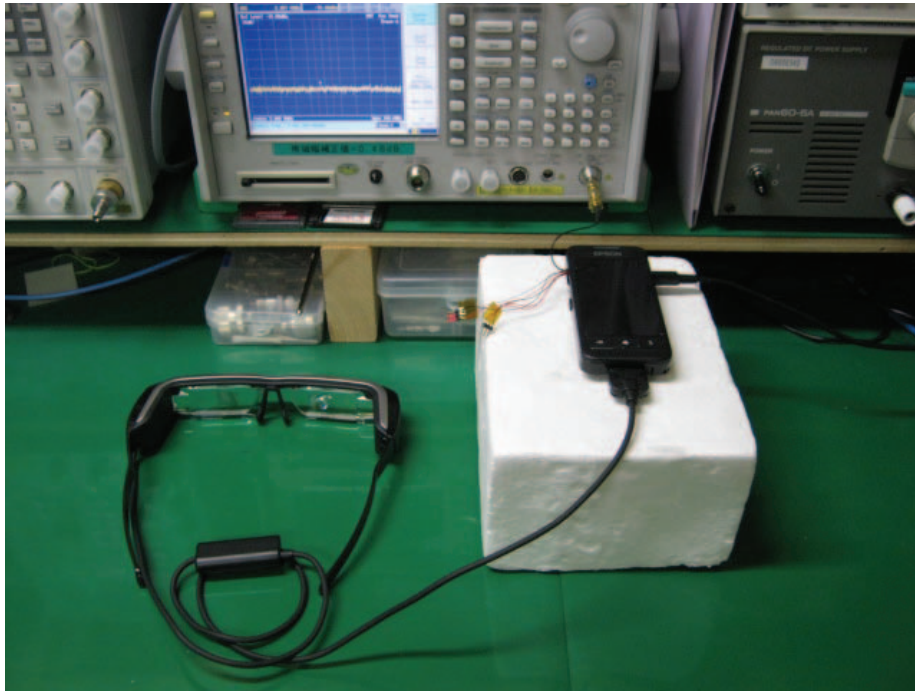
Above 1 GHz

Bluetooth Continuous Transmit mode (DH5 / 2-DH5 / 3-DH5) including the Function of
Charging a Battery



6. Photos (Continued)

20 dB Bandwidth / Maximum Peak Conducted Output Power / Carrier Frequency Separation /
Number of Channels / Time of Occupancy / Conducted Spurious Emission



7. List of Test Measurement Instruments

AC Power Line Conducted Emission

Instruments	Manufacturer	Model	Serial No.	Calibrated Date/Until
Spectrum Analyzer	ADVANTEST	R3132	160500169	2013/03/18 2014/03/17
EMI Test Receiver	ROHDE & SCHWARZ	ESCS30	100335	2012/11/10 2013/11/09
Artificial-Mains Network	Kyoritsu	KNW-341C (F)	8-1659-1	2013/01/18 2014/01/17
RF Cable	Fujikura	3D-2W	OC01	2012/07/18 2013/07/17
RF Cable	SUHNER	RG223/U	OC02 OC04	2012/07/18 2013/07/17
RF Selector	TSJ	RFM-E221	3148	2012/07/18 2013/07/17

7. List of Test Measurement Instruments (Continued)

Radiated Spurious Emission (30 MHz to 25 GHz)

Band Edge Measurement

Instruments	Manufacturer	Model	Serial No.	Calibrated Date/Until
EMI Test Receiver	ROHDE & SCHWARZ	ESIB40	100211	2013/03/30 2014/03/29
Pre-Amplifier (30 MHz to 1 GHz)	HEWLETT PACKARD	8447D OPT 010	2944A 07891	2013/04/15 2014/04/14
Pre-Amplifier (1 GHz to 18 GHz)	TSJ	MLA-0120AML -34	---	2012/10/16 2013/10/15
Pre-Amplifier (18 GHz to 26.5 GHz)	MITEQ	AMF-5F-180265 -25-10-1	850831	2013/02/08 2014/02/07
Biconical Antenna (30 MHz to 300 MHz)	SCHWARZBECK	VHBB9124	311	2012/11/24 2013/11/23
Log-Periodic Antenna (300 MHz to 1 GHz)	SCHWARZBECK	UHALP 9108 A	645	2012/11/24 2013/11/23
Horn Antenna (1 GHz to 18 GHz)	SCHWARZBECK	BBHA9120D	443	2013/01/12 2014/01/11
Horn Antenna (12.5 GHz to 18 GHz)	ETS LINDGREN	3160-08	00033778	2013/01/12 2014/01/11
Horn Antenna (18 GHz to 26.5 GHz)	MI TECHNOLOGIES	12A-18 115300	22858NL	2012/10/19 2013/10/18
RF Cable (30 MHz to 1 GHz)	SUHNER	RG223/U	OC11	2012/11/13 2013/11/12
RF Cable (30 MHz to 1 GHz)	Fujikura	8D-2W	OC14	2012/11/13 2013/11/12
RF Cable (30 MHz to 1 GHz)	SUHNER	RG214/U	OC15 OC16	2012/11/13 2013/11/12
RF Cable (30 MHz to 1 GHz)	SUHNER	RG400/U	OC17	2012/11/13 2013/11/12
RF Cable (1 GHz to 18 GHz)	STORM	TRUE BLUE 290	OC18 OC19 OC20	2012/11/15 2013/11/14
RF Cable (18 GHz to 26.5 GHz)	SUHNER	SUCOFLEX 104A	C24	2013/04/17 2014/04/16
RF Selector (Below 1 GHz)	TSJ	RFM-E121	03149	2012/11/13 2013/11/12
Notch Filter	MICRO -TRONICS	BRM50702	027	2013/02/25 2014/02/24

7. List of Test Measurement Instruments (Continued)

**20 dB Bandwidth / Maximum Peak Conducted Output Power / Carrier Frequency Separation
Number of Channels / Time of Occupancy / Conducted Spurious Emission**

Instruments	Manufacturer	Model	Serial No.	Calibrated Date/Until
Spectrum Analyzer	ANRITSU	MS2687B	---	2012/11/30 2013/11/30
Spectrum Analyzer	ANRITSU	MS8609A	6200140303	2012/04/20 2013/04/30
				2013/04/15 2014/04/30
EMI Test Receiver	ROHDE& SCHWARZ	ESCI	100413	2012/12/22 2013/12/21