RADIO TEST REPORT

(for Bluetooth classic)

Project No.	:	JB-Z0327
Client	:	Sony Corporation
Address	:	1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Type of Equipment	:	Digital Music Player
Model No.	:	NW-ZX300
FCC ID	:	AK8NWZX300
Regulation Applied	:	47 CFR Part 15 Subpart C
Final Judgment	:	**Passed**
Sample Receipt	:	May 25, 2017
Testing	:	May 30, 2017 - June 26, 2017
Reported	:	July 03, 2017

Reported by :

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Sony Global Manufacturing & Operations Corporation

Approved Signatory :

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EMC/RF Test Laboratory, Main Lab.
Design Technology Division
Sony Global Manufacturing & Operations Corporation

Notice

* *These test results relate only to the items (combination equipment, test configuration, operation condition etc.) tested.*
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* *This report must not be used by the client to claim product endorsement by A2LA or any agency of the U.S. Government.*
* *All test results are traceable to the national and / or international standards.*

The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in Sony Global Manufacturing & Operations Corporation EMC/RF Test Laboratory.

A2LA ACCREDITED
TESTING CERT #3203.01

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Note

☒-indicates that the listed condition, standard or equipment is applicable for this report.

☐-indicates that the listed condition, standard or equipment is not applicable for this report.

1. General Information

1.1. Description of Equipment Under Test (EUT)

General specification

Test Sample Condition	: ☐ Prototype ☒ Pre-production ☐ Mass-production
Type of Equipment	: Digital Music Player
Trade Name	: SONY
Model No.	: NW- ZX300
Serial No.	: 03, 05
Power Rating	: DC 3.7 V (The EUT was supplied with the power from built-in battery)

Similar model (to be covered by this Report)

Model No.	: None

Radio specification

Function of the Equipment	: Transceiver
Operating Frequency	: 2402 - 2480 MHz
Modulation Type	: FHSS (GFSK, π/4DQPSK, 8DPSK)
Channel Spacing	: 1 MHz
Channel Bandwidth	: 1 MHz
Number of channels	: 79
Antenna Type	: Reverse F antenna
Antenna connector Type	: None
Antenna Gain	: -1.9 dBi
Operating Temperature	: +5 to +35 deg.C

1.2. Summary of Test Result

Test Item	Worst Margin	Test Frequency band	Results
AC Power-line Conducted Emissions	11.9 dB (QP) 0.153 MHz L1	150 kHz - 30 MHz	Complied
20dB Bandwidth	Refer to the test data	Carrier	Complied
Carrier Frequency Separation	Refer to the test data	Carrier	Complied
Number of Hopping Frequencies	Refer to the test data	Carrier	Complied
Time of Occupancy (Dwell Time)	Refer to the test data	Carrier	Complied
Maximum Peak Conducted Output Power	22.52 dB	Carrier	Complied
Radiated Spurious Emissions	13.9 dB (AV) 4960.489 MHz Vertical	9 kHz - 25 GHz (excluding carrier and band edge)	Complied
Conducted Spurious Emissions for Band Edge *1	33.31 dB 2399.83 MHz	Carrier band edge	Complied

*1: Conducted Spurious Emission was tested for the only frequencies in the non-restricted carrier band edges, since the spurious emissions in other non-restricted band were complied with Radiated Spurious Emission measurement.

Other requirements

Part 15.31(e) Supply voltage requirement
: Complied (The EUT was tested with a new battery)

Part 15.203 / 212 Antenna requirement
: Complied (The EUT has an internal antenna which cannot be replaced by users)

1.3. Tested Methodology

Test Standard : 47 CFR Part15 Subpart C Section 15.207 / 15.247
Test Method : ANSI C63.10 - 2013
DA 00-705 (March 30, 2000)

Test Condition

AC Power-line Conducted Emissions

Dimensions of the EUT table : 0.8 m height, 2 m width and 1m depth.

Radiated Spurious Emissions

Test Distance : ☒ 3 m ☐ 10m (9 kHz - 30 MHz)
☒ 3 m ☐ 10m (30 - 1000 MHz)
☒ 3 m (1 - 25 GHz)

Dimensions of the EUT table : 0.8 m (below 1GHz) or 1.5 m (above 1GHz) height, 1.5 m width and 1m depth.

1.4. Measurement Procedures

We performed the measurements in accordance with NV3-12, available upon the request.

☒ No deviation
☐ Deviation from the above procedure

The summary of the above procedure is mentioned below

Antenna-port Conducted Measurements

1. Antenna-port of the EUT was connected to the power sensor (Maximum peak conducted output power) or spectrum analyzer. (other test items).

2. For each EUT operation mode, the Antenna-port Conducted Measurements were measured with spectrum analyzer.

Test Item * Antenna-port Conducted Measurements	Detector	RBW
20dB Bandwidth	Peak	30 kHz
Carrier Frequency Separation	Peak	100 kHz
Number of Hopping Frequencies	Peak	100 kHz
Time of Occupancy (Dwell Time)	Peak	1 MHz
Maximum Peak Conducted Output Power	Peak	N/A
Conducted Spurious Emissions for Band Edge	Peak	100 kHz

AC Power-line Conducted Emissions

1. The non-conductive table (EUT table) made of (☒ FRP, ☐ wood, ☐ other non-conductive material) was placed 0.4 m from its rear to the vertical reference ground plane.

2. The EUT was placed on the center of tabletop and its rear was flush with the rear of the table, connected through a LISN to the input power mains.

3. The LISN was placed in 80 cm from the nearest part of the EUT chassis.

4. The excess length of the AC cable between the EUT and the LISN receptacle, or an adaptor or extension cable connected to and measured with LISN, was folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

5. The connection of the all other equipment to the second LISN was performed. The second LISN was terminated with a 50-ohm terminator.

6. Interconnecting cables that hang closer than 40 cm to the horizontal reference ground plane was folded back and forth forming a bundle 30 to 40 cm long, hanging approximately in the middle between the horizontal reference ground plane and the tabletop.

7. Find the worst mode and arrangement of the EUT according to the follows;
   - Connecting all peripherals and change the position of peripherals and cables.
   - Changing the all test operation modes of the EUT.
   - On every condition, exploring the highest emissions with the spectrum analyzer.
     (150kHz - 30MHz, peak detector, RBW: 10 kHz)

8. On the worst condition of the EUT found in above, choose the 6 highest emissions on the spectrum data.
   The final measurements carried out on these emissions with EMI test receiver.
   (quasi-peak and average detector, RBW: 9 kHz)

Radiated Spurious Emissions

1. The non-conductive table (EUT table) made of (☐ FRP, ☒ Styrene Foam, ☐ other non-conductive material) was placed in the center of the turntable.
2. The EUT was placed on the center of the tabletop.
3. The test antenna was placed away from the EUT at test distance.
4. The limits were compensated the distance factor with follows;
   9 kHz - 490 kHz [Limit at 3m] = [Limit at 300m] + 40log (300[m] / 3[m])
   490 kHz - 30 MHz [Limit at 3m] = [Limit at 30m] + 40log (30[m] / 3[m])
5. Find the worst arrangement of the EUT according to follows;
   - Rotating the turntable and/or scanning the antenna.
   - On every condition, exploring the highest emissions with the spectrum analyzer.
     (9 kHz - 25 GHz, peak detector)
6. On the worst arrangement of the EUT found in above, choose the three highest harmonics or spurious emissions on the spectrum data.(*excluding carrier band edges)
   The final measurements of all test operating modes carried out on these emissions as follows;

   The test antenna and the turntable were performed with follows;

	9 kHz - 30 MHz	30 MHz - 1000 MHz	above 1 GHz
Antenna	Loop Antenna	Bi-conical Antenna, Log-periodic Antenna	Horn Antenna
Antenna scanning range	1 m, Vertical, 360 degrees	1 - 4 m, Horizontal and Vertical	1 - 4 m *, Horizontal and Vertical
Turntable rotating range	360 degrees	360 degrees	360 degrees

   *: Final measurements are performed keeping the antenna in the "cone of radiation" from EUT area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.

   Instruments settings were carried out with follows;

	9 kHz - 90 kHz 110 kHz - 490 kHz	90 kHz- 110 kHz 490 kHz - 30 MHz	30 MHz - 1000 MHz	above 1 GHz
Detector	Peak / Average	Quasi-peak	Quasi-peak	Peak / Average
RBW	9 kHz (6 dB) *1	9 kHz (6 dB) *1	120 kHz (6 dB)	1 MHz (6 dB)
VBW	N/A	N/A	N/A	3 MHz (for peak) 10 Hz (for average)
Instrument	EMI test receiver	EMI test receiver	EMI test receiver	Spectrum analyzer

   *1: When the measurement frequencies below 150 kHz, RBW: 200 Hz was used.

7. If the final measurement result exceeded the limit(FCC 15.209(a)) in non-restricted band(excluding carrier band edges), the measurement is carried out additionally and compared with the limit (-20 dBc) with follows;

   Measurement points
   - Fundamental Frequency
   - Frequency that exceeded the limit in non-restricted band (excluding carrier band edges)

	9 kHz - 150 kHz	150 kHz – 30 MHz	above 30 MHz
Detector	Peak	Peak	Peak
RBW	3 dB RBW: 300 Hz *	3 dB RBW: 10 kHz *	3 dB RBW: 100 kHz
Instrument	Spectrum analyzer	Spectrum analyzer	Spectrum analyzer

   *: Correction factor of RBW was compensated to a measurement result by the following formula.
   C.F. of RBW [dB] = 10*log (100 kHz / used RBW)

8. Although these tests were performed other than open field area test site, adequate comparison measurements were confirmed against 30 m open field area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788 D01.

1.5. Test Facility

Address of Test Facility

Test Facility Name : Sony Global Manufacturing & Operations Corporation
EMC/RF Test Laboratory, Main Lab.

Address : Kisarazu Site 8-4 Shiomi Kisarazu-shi, Chiba, 292-0834 Japan

Phone : +81 438 37 2750

AC Power-line Conducted Emissions

Shielded Room

☒ 4th Site ☐ EMC Site

Radiated Spurious Emission

Semi-Anechoic chamber

☐ 4th Site ☒ EMC Site

Antenna-port Conducted Measurements *

Shielded Room

☒ 4th Site SR1

*Note: This item contains the following

-20dB Bandwidth
-Carrier Frequency Separation
-Number of Hopping Frequencies
-Time of Occupancy (Dwell Time)
-Maximum Peak Conducted Output Power
-Conducted Spurious Emissions for Band Edge

A2LA Accreditation for Test Facility

The above test facility has been fully reported to A2LA and accepted as follows:

Effective dates: 2015-09-15 through 2017-10-31

1.6. Uncertainty

Test Item	Frequency	4th Site SR1
Conducted Output Power	1 - 6 GHz	± 0.84 dB
Conducted Spurious Emissions	below 6 GHz	± 0.89 dB

Test Item	Frequency	Distance	4th Site	EMC Site
AC Power-line Conducted Emissions	150 kHz - 30 MHz	-	± 3.34 dB	± 3.34 dB
Radiated Emissions	below 30 MHz	3m	± 2.59 dB	± 2.59 dB
	30 - 300 MHz	3m	± 4.18 dB	± 4.18 dB
	300 - 1000 MHz	3m	± 4.04 dB	± 4.04 dB
	1 - 6 GHz	3m	± 4.63 dB	± 4.63 dB
	6 - 18 GHz	3m	± 5.31 dB	± 5.31 dB
	18 - 26.5 GHz	3m	± 5.78 dB	± 5.78 dB

2. System Test Configuration

2.1. Validation

The system was configured for testing in a typical (as a customer would normally use it).
The tests were conducted with the worst case modes as follows.

2.2. Test Operating Conditions

The tests have been carried out the following conditions.

Test Items	Operating Mode *1	Packet type *2,3	Test Channels
AC Power-line Conducted Emissions *4	BDR	DH5	2480 MHz
Carrier Frequency Separation, Number of Hopping Frequencies, Time of Occupancy (Dwell Time)	BDR	DH5	Hopping ON
	EDR	3DH5	
20dB Bandwidth, Maximum Peak Conducted Output Power, Radiated Spurious Emissions	BDR	DH5	2402 MHz, 2441 MHz, 2480 MHz
	EDR	3DH5	
Conducted Spurious Emissions for Band Edge	BDR	DH5	2402 MHz
	EDR	3DH5	

Note:

*1: Inquiry mode was not performed based on the result of pre-compliance testing.

*2: The worst packet type has been decided based on the result of maximum duty cycle and pre-compliance testing in the actual product specification.

*3: Packet type for EDR has been decided based on the result of Maximum Peak Conducted Output Power.

*4: The final test was performed with the representative mode that had been found as the worst emission mode while exploratory testing.

The Software for Operating Mode Name : Diagnosis
Version : 1.02.10

Special accessories needed for connecting the EUT to achieve compliance:

Item	Manufacturer	Model No.	Serial No.	Remark
-	-	-	-	-

2.3. EUT Modifications

☒ No equipment modification to achieve compliance to the standard levels was done during the tests.
☐ Equipment was modified to achieve compliance to the standard level as below.

Responsible Party Signature

Typed/ Print Name :
Responsible Party :
Position :
Date :

2.4. Configuration of Tested System

Antenna-port Conducted Measurements

The equipment under test (EUT)

Symbol	Item	Manufacturer	Model No.	Serial No.
A-1	Digital Music Player	SONY	NW-ZX300	03

Support equipment for operation

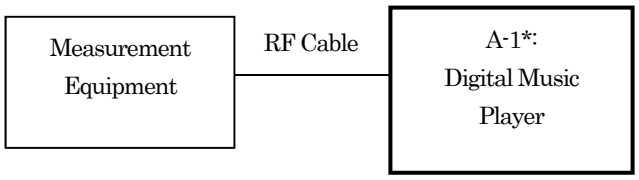
Symbol	Item	Manufacturer	Model No.	Serial No.
-	-	-	-	-

Type of cable

Symbol	Description	Identification (Manufacturer etc.)	Shielded YES / NO	Ferrite Core	Length (m)	Bundled
-	-	-	-	-	-	-

System configuration

*: EUT



Radiated Spurious Emissions Measurement

The equipment under test (EUT)

Symbol	Item	Manufacturer	Model No.	Serial No.
A-2	Digital Music Player	SONY	NW-ZX300	05

Support equipment for operation

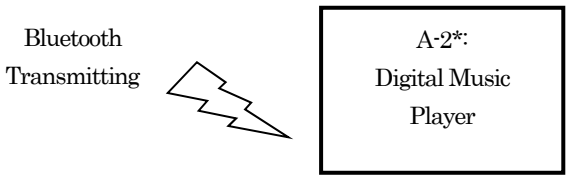
Symbol	Item	Manufacturer	Model No.	Serial No.
-	-	-	-	-

Type of cable

Symbol	Description	Identification (Manufacturer etc.)	Shielded YES / NO	Ferrite Core	Length (m)	Bundled
-	-	-	-	-	-	-

System configuration

*: EUT



AC Power-line Conducted Emissions Measurement

The equipment under test (EUT)

Symbol	Item	Manufacturer	Model No.	Serial No.
A-2	Digital Music Player	SONY	NW-ZX300	05

Support equipment for operation

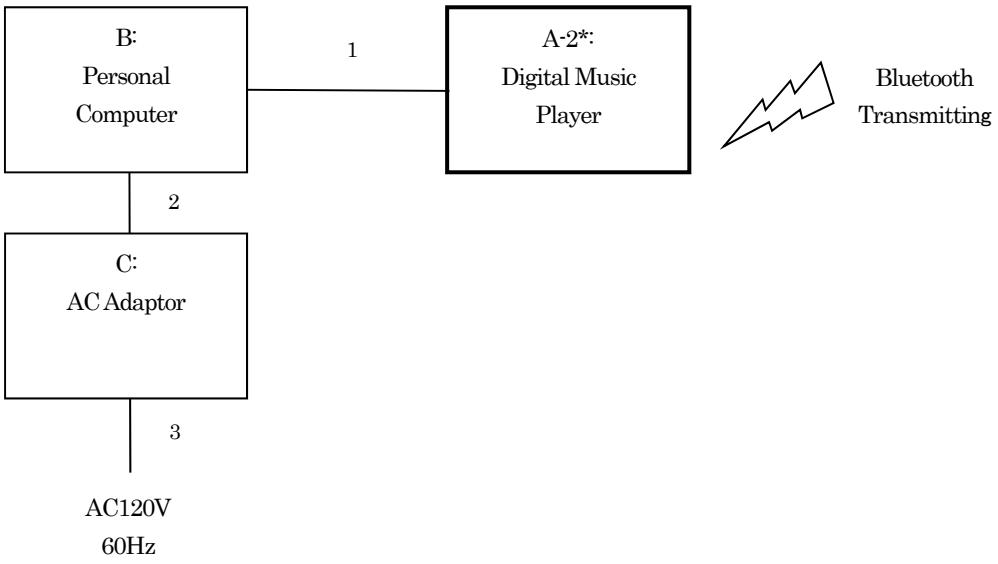
Symbol	Item	Manufacturer	Model No.	Serial No.
B	Personal Computer	HP	HSTNN-I42C	JPH6308MMN
C	AC Adaptor	HP	HSTNN-CA41	WDVTN0CGC9X3WG 0C

Type of cable

Symbol	Description	Identification (Manufacturer etc.)	Shielded YES / NO	Ferrite Core	Length (m)	Bundled
1	USB cable	SONY	YES	NO	1.0	-
2	DC cable	-	NO	NO	1.8	-
3	AC cable	-	NO	NO	0.9	-

System configuration

*: EUT



3. Test Data

3.1. AC Power-line Conducted Emissions

1) Date of measurement : June 08, 2017

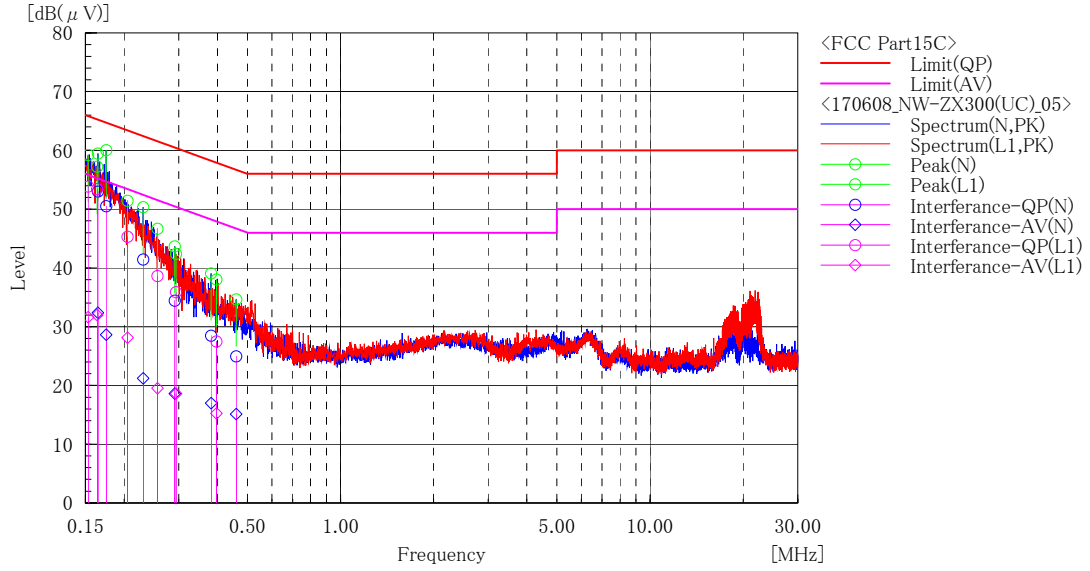
[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Conducted Emission>>

Model : NW-ZX300
Serial : 05
Operator : Y.KAMIKO
Power : AC 120V / 60Hz
Temp./Hum. : 24deg./ 61%

Limit : FCC Part15C
Remark1 :
Remark2 :
Remark3 : High
Remark4 : DH5



Final Result

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.165	36.7	16.1	16.3	53.0	32.4	65.2	55.2	12.2	22.8
2	0.175	34.1	12.2	16.4	50.5	28.6	64.7	54.7	14.2	26.1
3	0.231	25.6	5.4	15.8	41.4	21.2	62.4	52.4	21.0	31.2
4	0.292	18.5	2.7	15.9	34.4	18.6	60.5	50.5	26.1	31.9
5	0.382	12.3	0.9	16.1	28.4	17.0	58.2	48.2	29.8	31.2
6	0.460	8.8	-1.0	16.1	24.9	15.1	56.7	46.7	31.8	31.6

--- L1 Phase ---

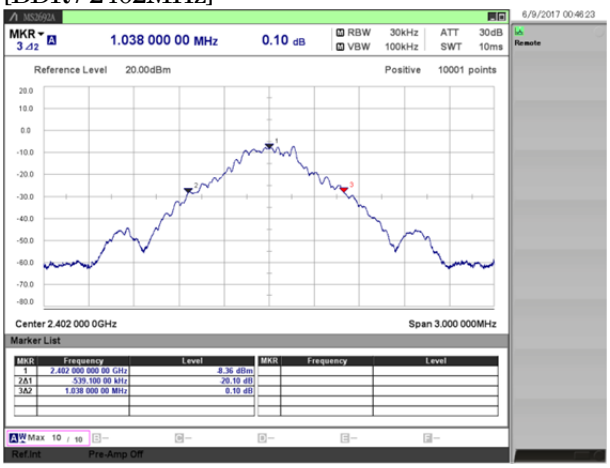
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.153	37.8	15.5	16.1	53.9	31.6	65.8	55.8	11.9	24.2
2	0.164	37.1	15.7	16.3	53.4	32.0	65.3	55.3	11.9	23.3
3	0.205	29.3	12.1	16.0	45.3	28.1	63.4	53.4	18.1	25.3
4	0.257	22.9	3.8	15.7	38.6	19.5	61.5	51.5	22.9	32.0
5	0.294	20.0	2.7	15.9	35.9	18.6	60.4	50.4	24.5	31.8
6	0.397	11.4	-0.8	16.1	27.5	15.3	57.9	47.9	30.4	32.6

3.2. 20dB Bandwidth

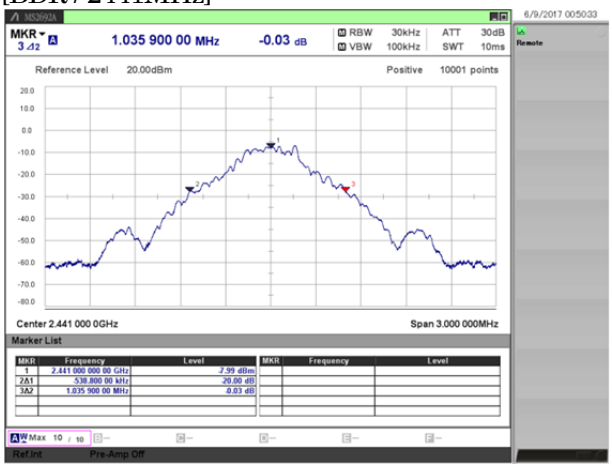
1) Ambient temperature : 24.3 deg.C
2) Relative humidity : 66.6 %
3) Date of measurement : June 08, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

Mode		Channel [MHz]	Result [MHz]	Limit [MHz]
BDR	DH5	2402	1.038	-
		2441	1.036	-
		2480	1.040	-
EDR	3DH5	2402	1.280	-
		2441	1.284	-
		2480	1.285	-

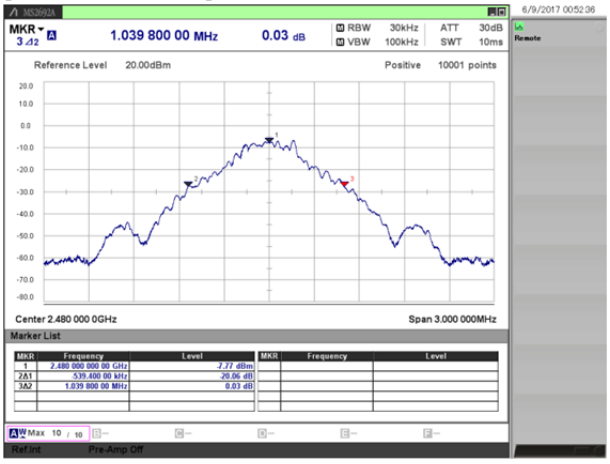
[BDR / 2402MHz]



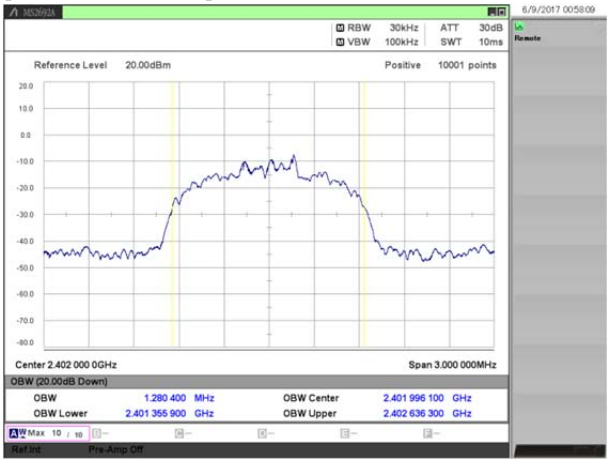
[BDR / 2441MHz]



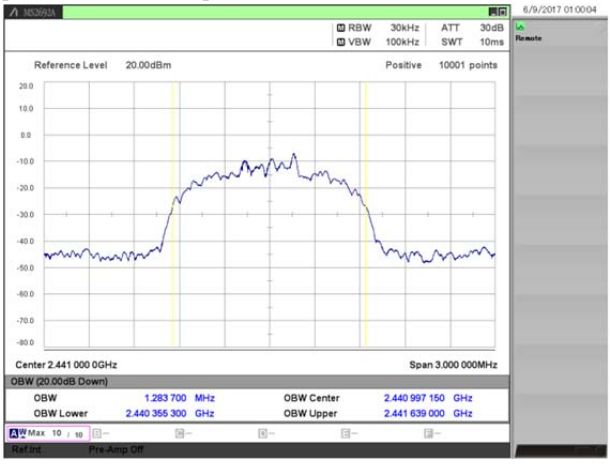
[BDR / 2480MHz]



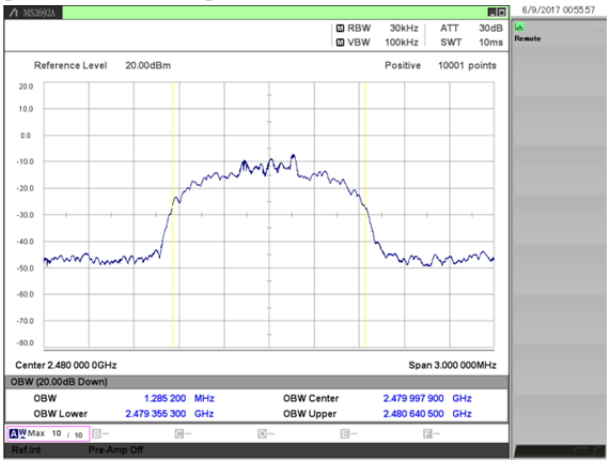
[EDR / 2402MHz]



[EDR / 2441MHz]



[EDR / 2480MHz]



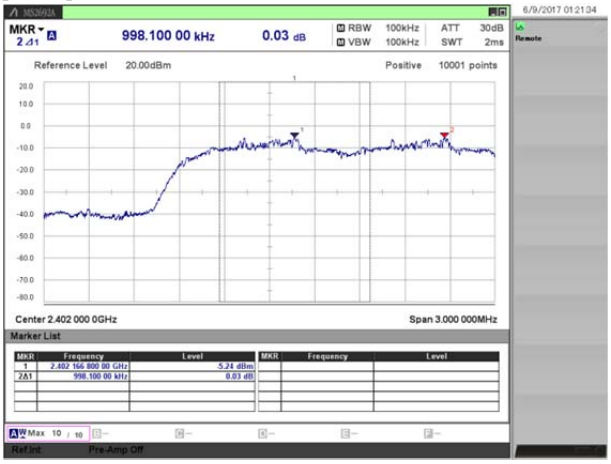
3.3. Carrier Frequency Separation

1) Ambient temperature : 24.3 deg.C
2) Relative humidity : 66.6 %
3) Date of measurement : June 08, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

Mode		Reading [kHz]	Limit [kHz]
BDR	DH5	930.0	≧ 693.2
EDR	3DH5	998.1	≧ 856.8

[BDR]

[EDR]

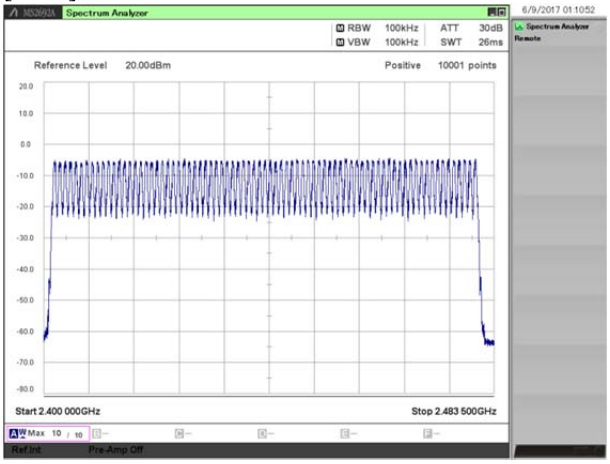


3.4. Number of Hopping Frequencies

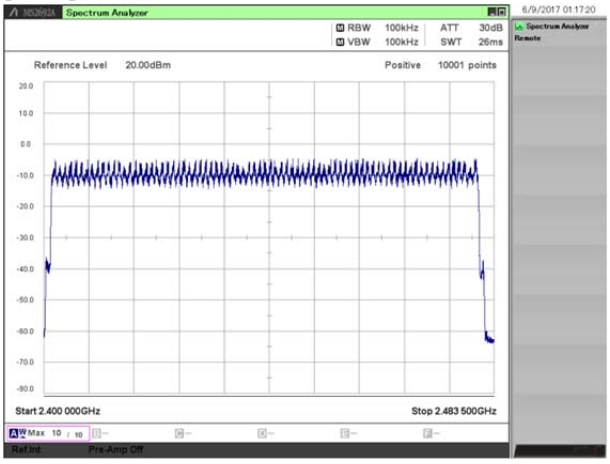
1) Ambient temperature : 24.3 deg.C
2) Relative humidity : 66.6 %
3) Date of measurement : June 08, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

Mode		Number [channel]	Limit [channel]
BDR	DH5	79	≧ 15
EDR	3DH5	79	≧ 15

[BDR]



[EDR]

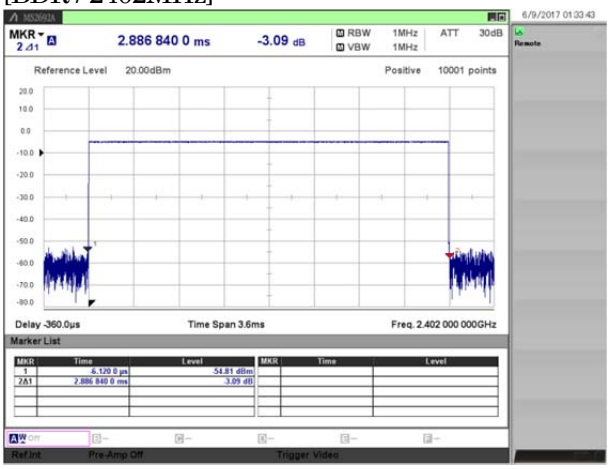


3.5. Time of Occupancy (Dwell Time)

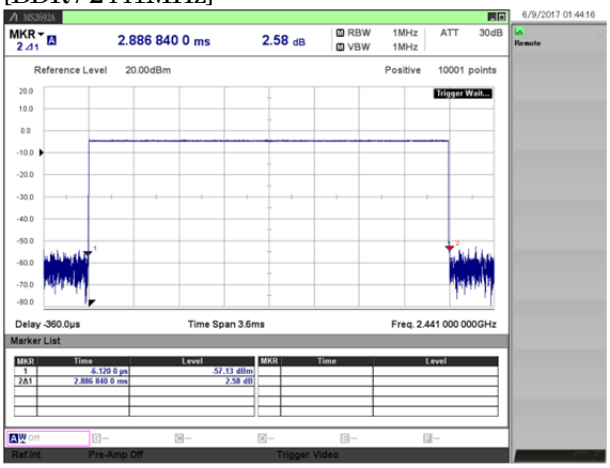
1) Ambient temperature : 24.3 deg.C
2) Relative humidity : 66.6 %
3) Date of measurement : June 08, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

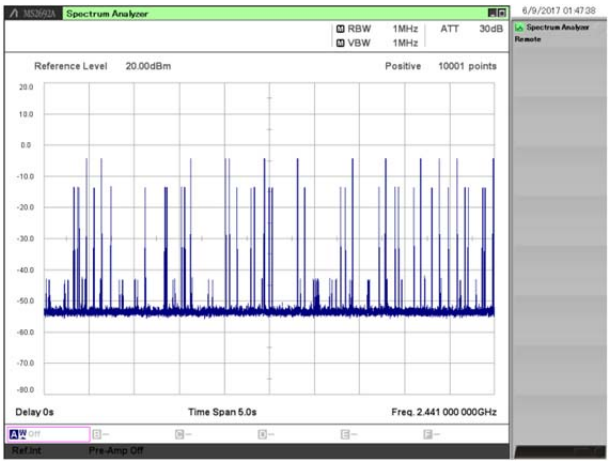
Mode		Channel [MHz]	Dwell Time [msec]	Cycle [time]	Result [msec]	Limit [msec]
BDR	DH5	2402	2.89	17.2	313.2	≦ 400.0
		2441	2.89	16.7	304.1	≦ 400.0
		2480	2.89	18.3	334.6	≦ 400.0
EDR	3DH5	2402	2.89	16.0	292.3	≦ 400.0
		2441	2.89	20.0	365.4	≦ 400.0
		2480	2.89	16.2	295.4	≦ 400.0

[BDR / 2402MHz]

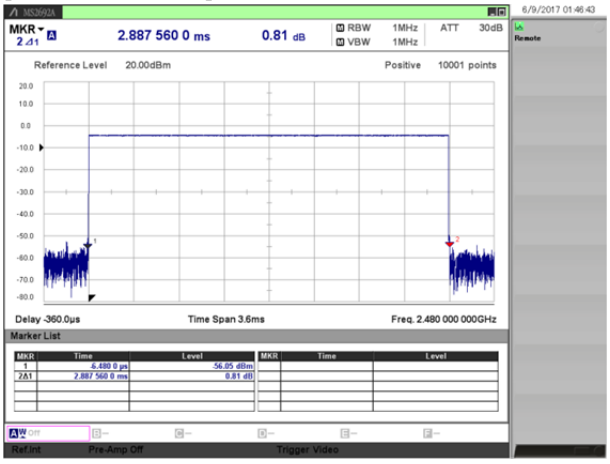


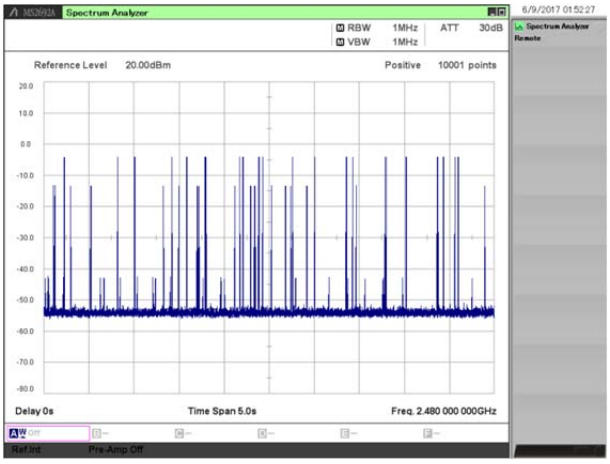
[BDR / 2441MHz]



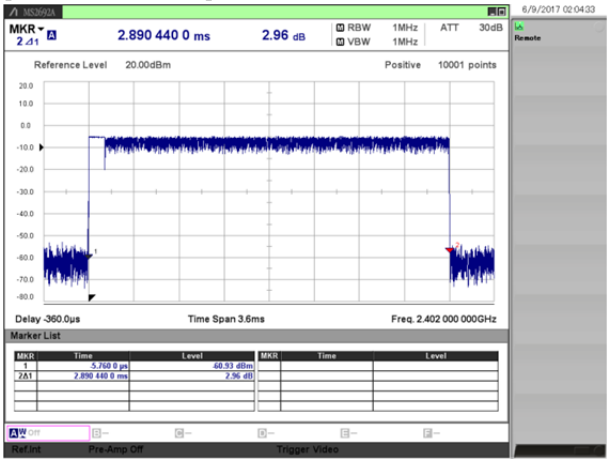


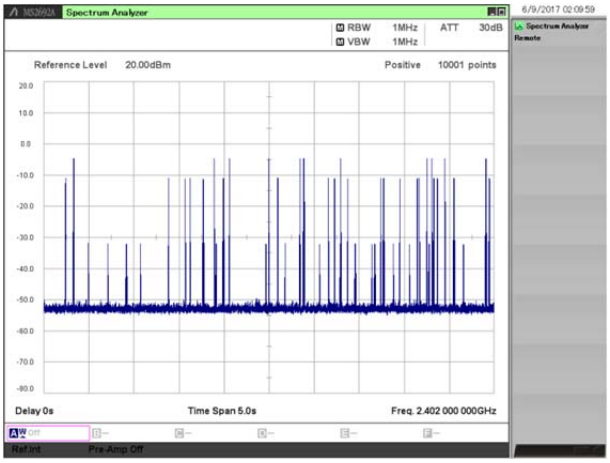
[BDR / 2480MHz]



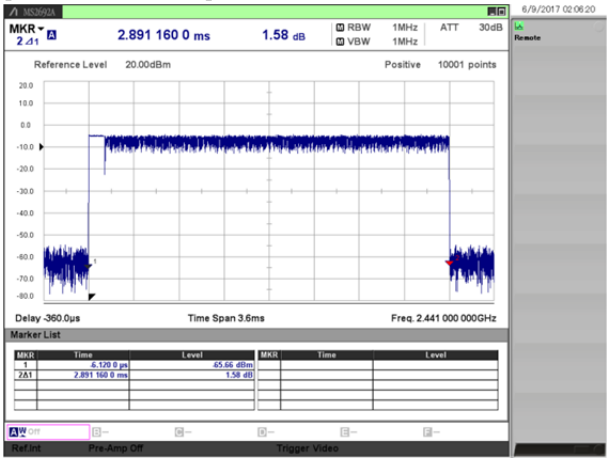


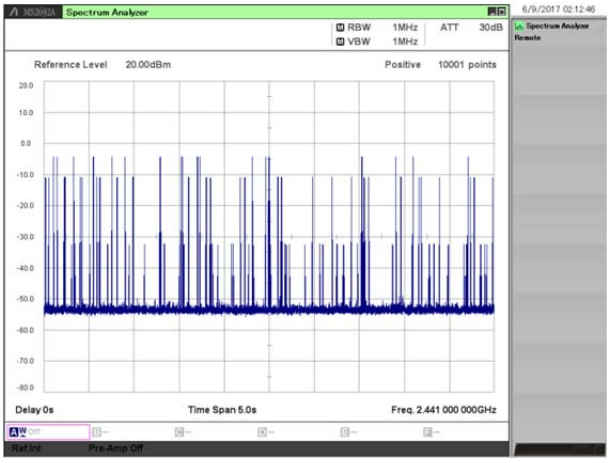
[EDR / 2402MHz]



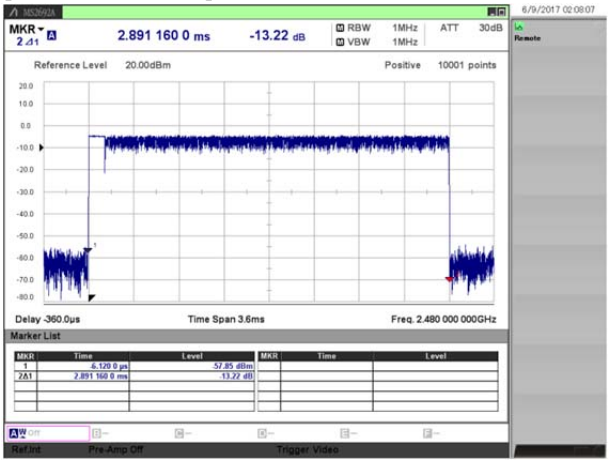


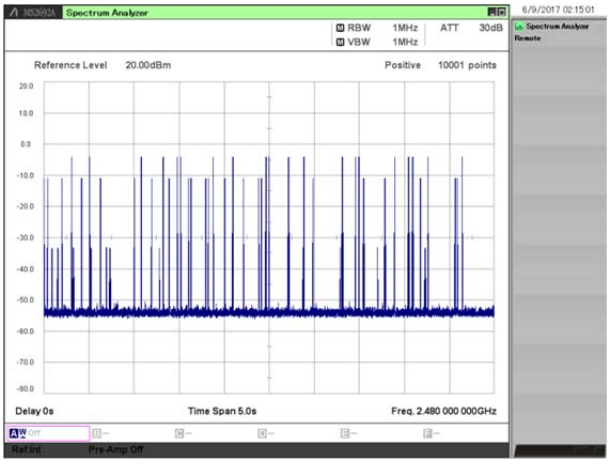
[EDR / 2441MHz]





[EDR / 2480MHz]


6/9/2017 02:08:07
MKR 2.891 160 0 ms -13.22 dB
RBW 1MHz
VBW 1MHz
ATT 30dB
Reference Level 20.00dBm
Positive 10001 points
Delay -360.0µs
Time Span 3.6ms
Freq. 2.480 000 000GHz
Marker List
1 6.120 0 µs 57.85 dBm
2Δ1 2.891 160 0 ms 13.22 dB
Ref Int
Pre-Amp Off
Trigger Video


Spectrum Analyzer
6/9/2017 02:15:01
RBW 1MHz
VBW 1MHz
ATT 30dB
Reference Level 20.00dBm
Positive 10001 points
Delay 0s
Time Span 5.0s
Freq. 2.480 000 000GHz
Ref Int
Pre-Amp Off

3.6. Maximum Peak Conducted Output Power

1) Ambient temperature : 22.5 deg.C
2) Relative humidity : 52.6 %
3) Date of measurement : May 30, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

Peak Conducted Output Power

Mode		Channel [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result(PK) [dBm]	Result(PK) [W]	Limit [dBm]	Limit [W]	Margin [dB]
BDR	DH5	2402	-4.01	10.53	6.52	0.00449	30.0	1.0	23.48
		2441	-3.66	10.53	6.87	0.00486	30.0	1.0	23.13
		2480	-3.49	10.53	7.04	0.00506	30.0	1.0	22.96
EDR	2DH5	2402	-3.76	10.53	6.77	0.00475	30.0	1.0	23.23
		2441	-3.41	10.53	7.12	0.00515	30.0	1.0	22.88
		2480	-3.21	10.53	7.32	0.00540	30.0	1.0	22.68
	3DH5	2402	-3.61	10.53	6.92	0.00492	30.0	1.0	23.08
		2441	-3.24	10.53	7.29	0.00536	30.0	1.0	22.71
		2480	-3.05	10.53	7.48	0.00560	30.0	1.0	22.52

Average Conducted Output Power (for SAR measurement)

Mode		Channel [MHz]	Reading(AV) [dBm]	C.F. [dB]	Duty Factor [dB]	Result(AV) [dBm]	Result(AV) [W]
BDR	DH5	2402	-5.41	10.53	1.10	6.22	0.00419
		2441	-5.04	10.53	1.10	6.59	0.00456
		2480	-4.88	10.53	1.10	6.75	0.00473
EDR	2DH5	2402	-7.02	10.53	1.10	4.61	0.00289
		2441	-6.63	10.53	1.10	5.00	0.00316
		2480	-6.52	10.53	1.10	5.11	0.00324
	3DH5	2402	-7.01	10.53	1.10	4.62	0.00290
		2441	-6.63	10.53	1.10	5.00	0.00316
		2480	-6.52	10.53	1.10	5.11	0.00324

Duty Cycle check

Mode		Channel [MHz]	T(on+off) [msec]	T(on) [msec]	Duty Cycle [%]
BDR	DH1	2441	1.250	0.377	30.16
	DH3	2441	2.500	1.650	66.00
	DH5	2441	3.740	2.900	77.54
EDR	2DH1	2441	1.250	0.388	31.04
	2DH3	2441	2.500	1.650	66.00
	2DH5	2441	3.740	2.900	77.54
	3DH1	2441	1.250	0.388	31.04
	3DH3	2441	2.500	1.650	66.00
	3DH5	2441	3.740	2.900	77.54

3.7. Radiated Spurious Emissions

1) Date of measurement

9 kHz - 30 MHz	:	June 26, 2017	(all mode)
30 MHz - 1000 MHz	:	May 30, 2017	(all mode)
1 GHz - 6 GHz	:	June 01, 2017	(all mode)
6 GHz - 18 GHz	:	June 07, 2017	(all mode)
18 GHz - 24.835 GHz	:	June 08, 2017	(all mode)

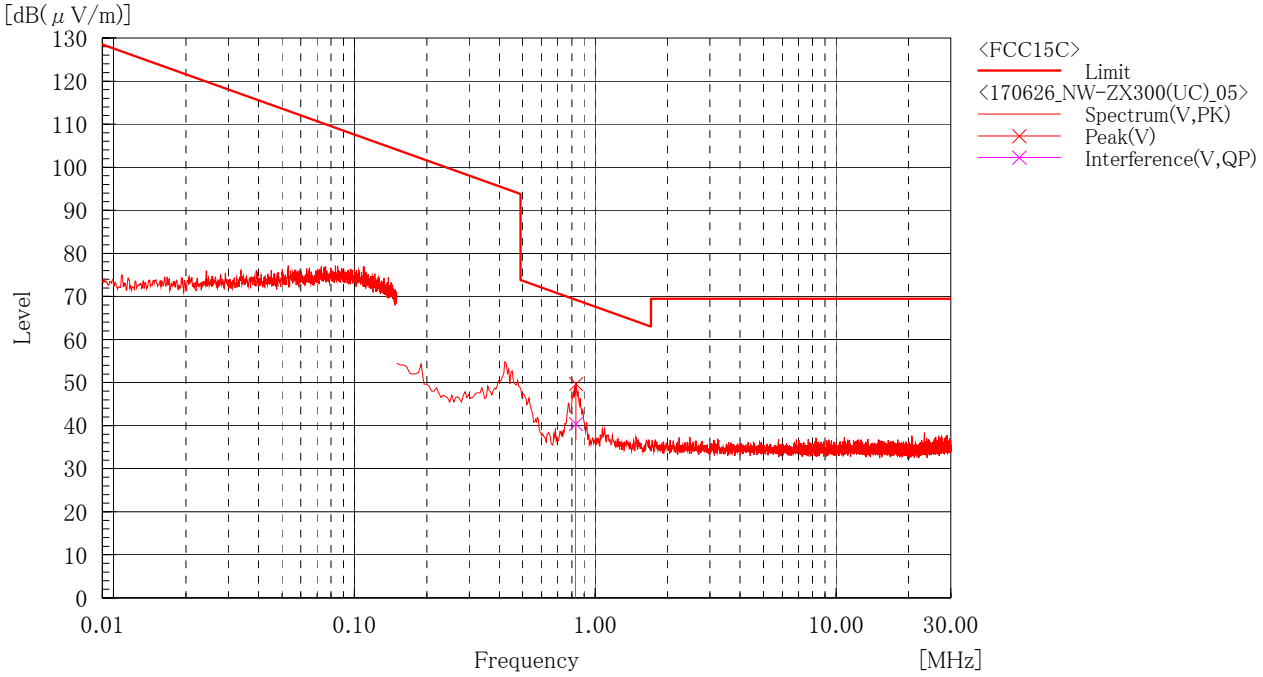
9 kHz - 30 MHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Low



Final Result

--- Vertical Polarization (QP)---

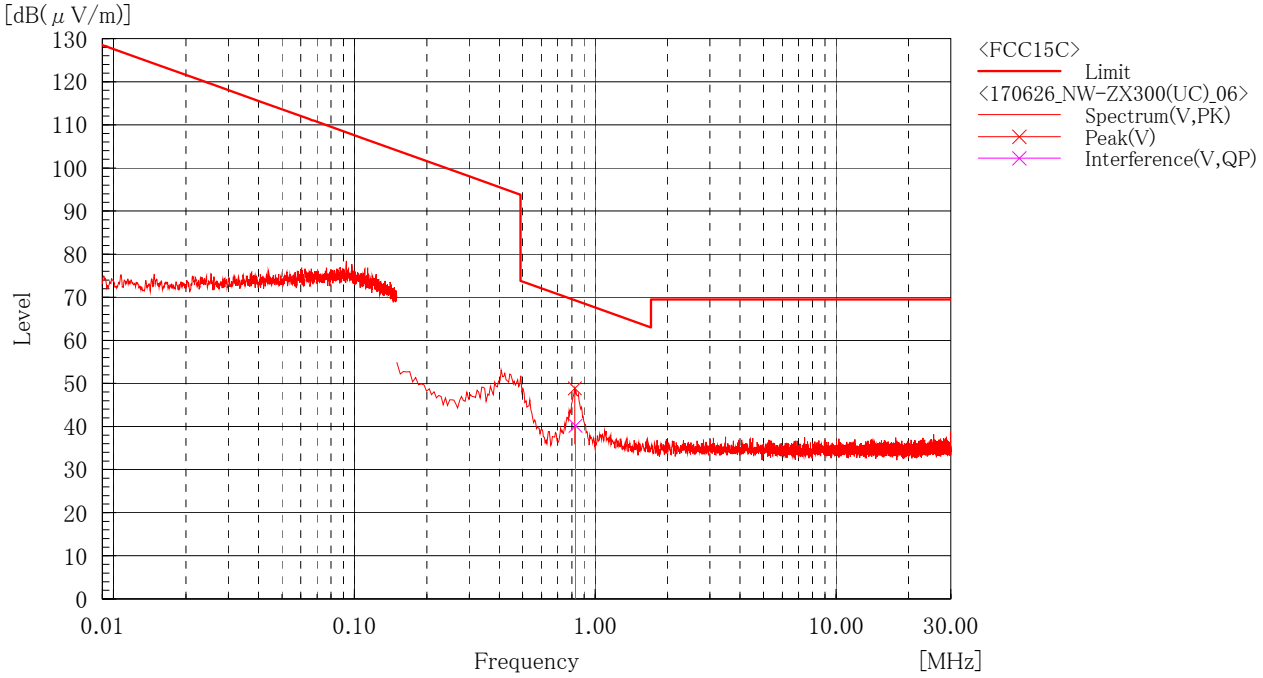
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.830	21.0	19.4	40.4	69.2	28.8	100.0	136.3

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Mid



Final Result

--- Vertical Polarization (QP)---

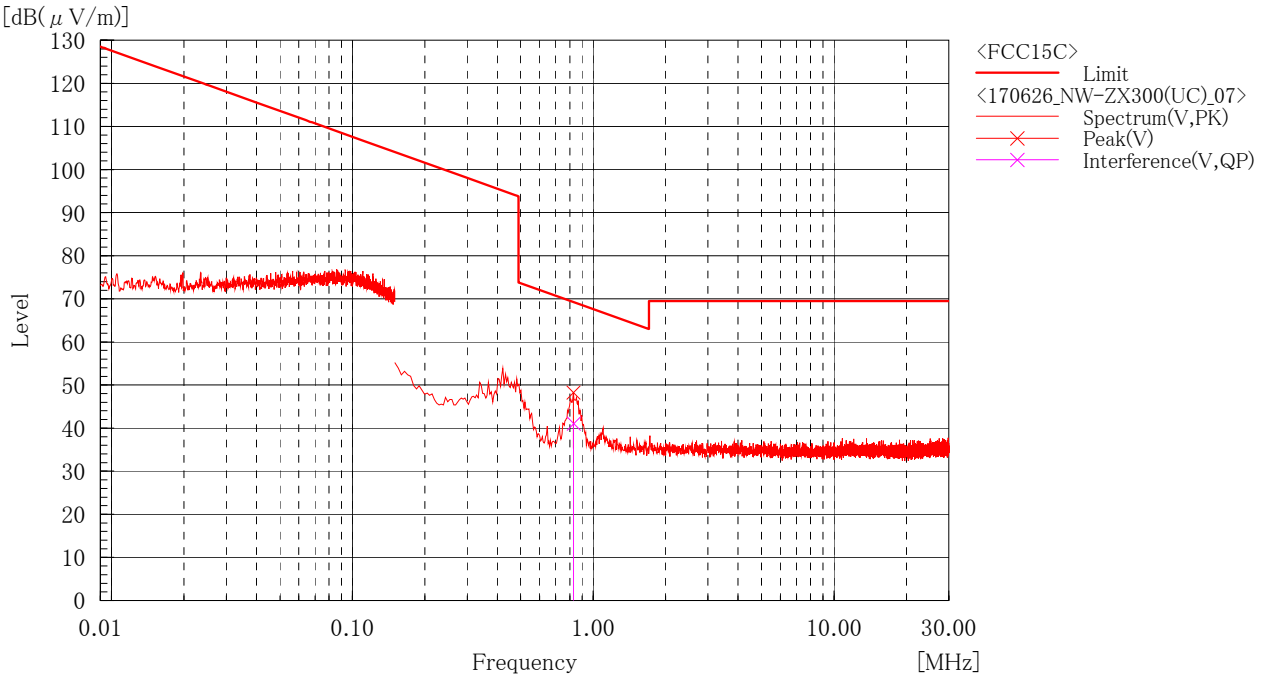
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.827	20.8	19.4	40.2	69.3	29.1	100.0	195.0

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Hi



Final Result

--- Vertical Polarization (QP)---

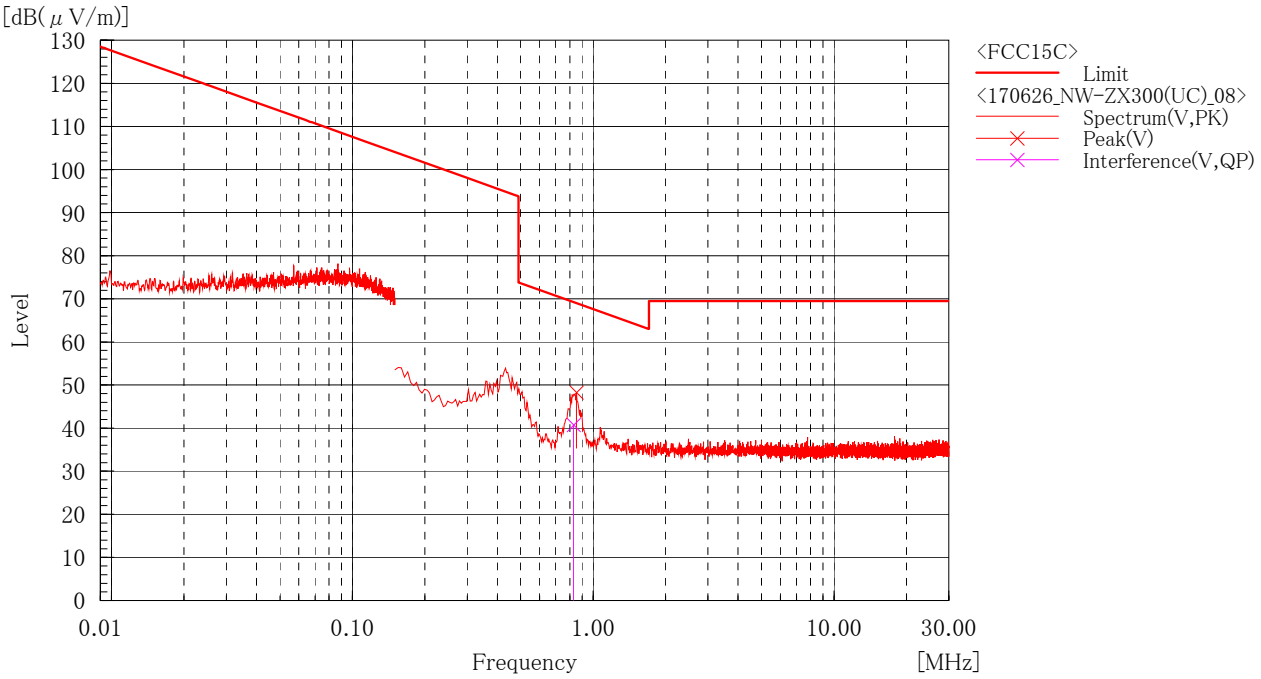
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.829	21.7	19.4	41.1	69.2	28.1	100.0	186.8

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Low



Final Result

--- Vertical Polarization (QP)---

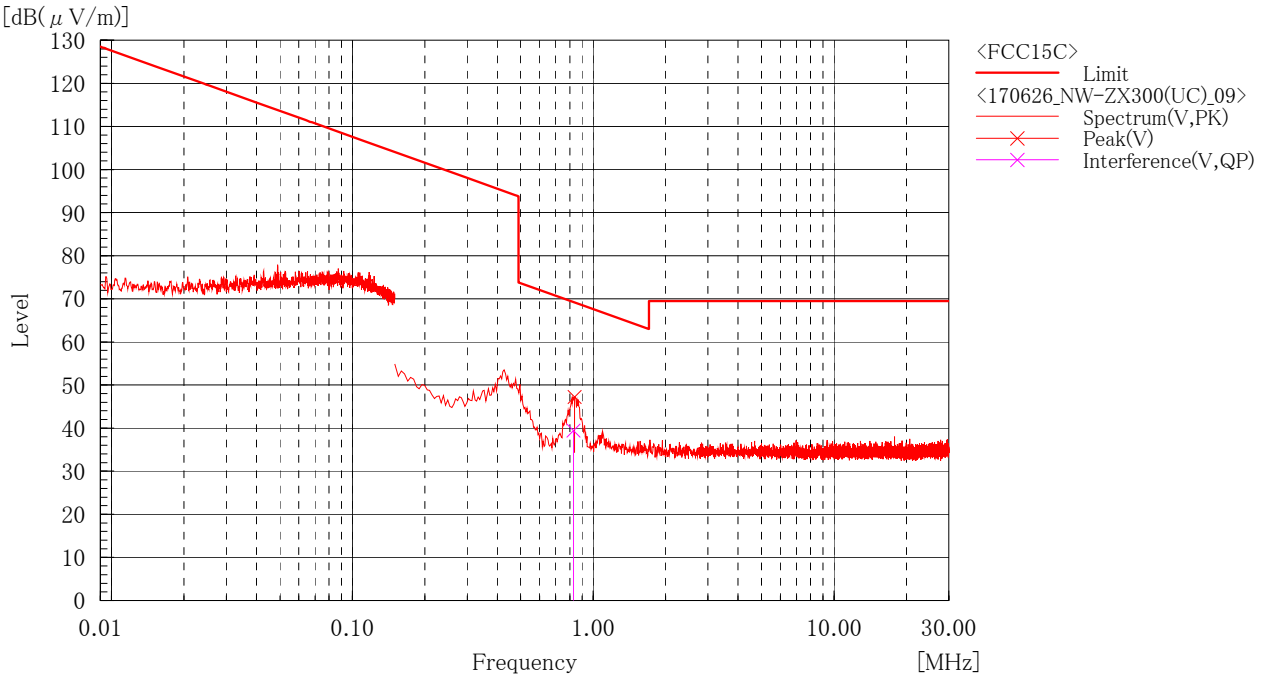
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.830	21.3	19.4	40.7	69.2	28.5	100.0	183.6

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Mid



Final Result

--- Vertical Polarization (QP)---

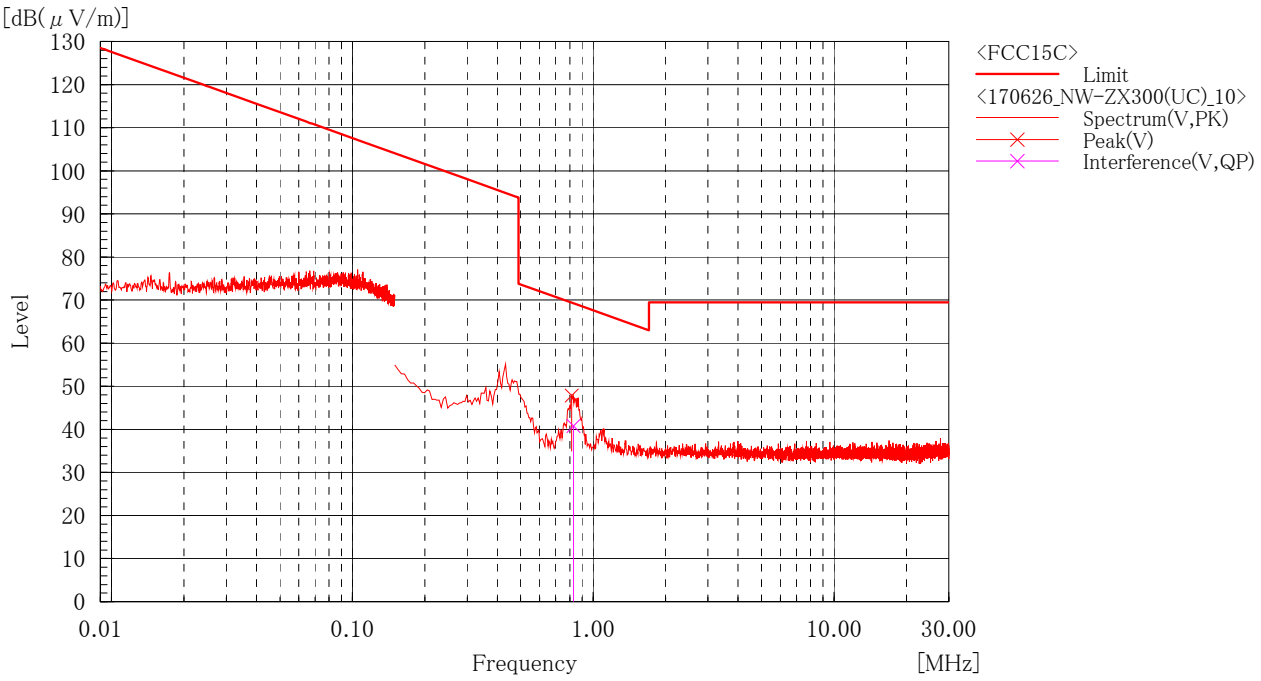
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.827	20.0	19.4	39.4	69.3	29.9	100.0	197.9

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C_15.209 (3m)
Serial	: 05	Remark1	: 90°
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 67%	Remark4	: Hi



Final Result

--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	0.828	21.4	19.4	40.8	69.3	28.5	100.0	354.1

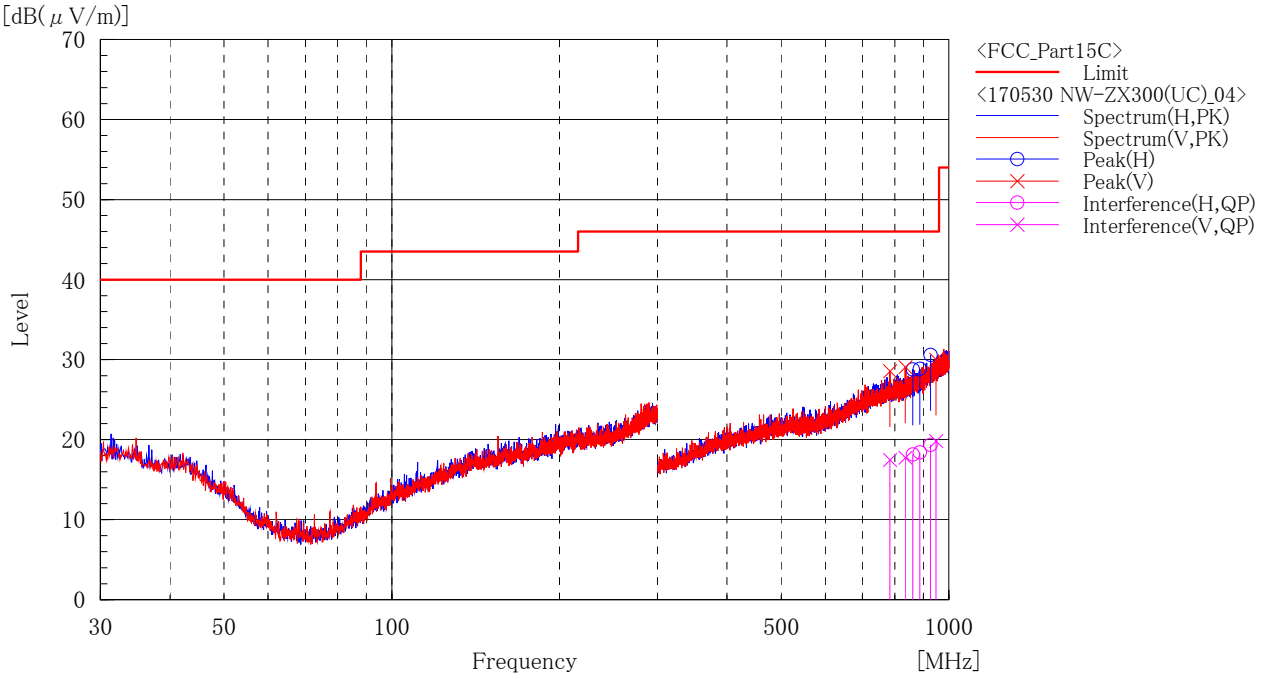
30 MHz - 1000 MHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Low



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	861.867	19.3	-1.1	18.2	46.0	27.8	201.0	66.6
2	887.533	19.0	-0.6	18.4	46.0	27.6	400.0	149.8
3	926.967	18.9	0.5	19.4	46.0	26.6	187.8	15.2

--- Vertical Polarization (QP)---

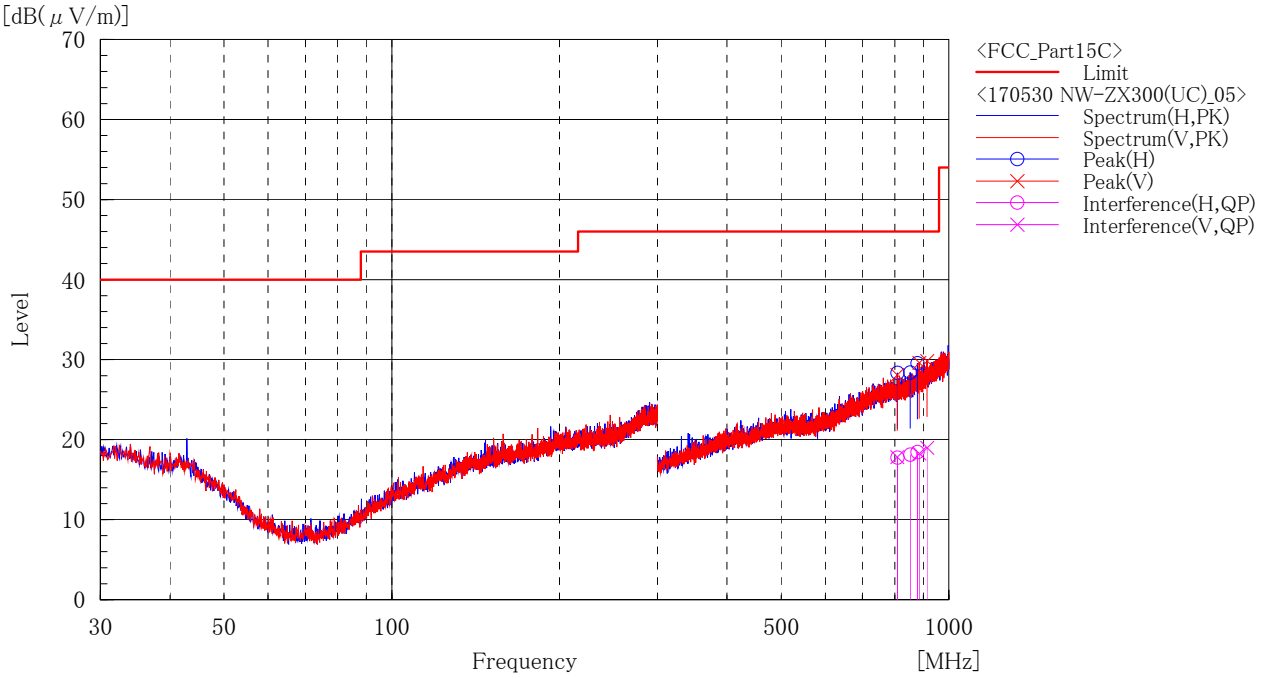
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	783.933	19.4	-1.9	17.5	46.0	28.5	196.9	326.7
2	835.033	19.3	-1.5	17.8	46.0	28.2	348.3	139.6
3	948.433	18.6	1.2	19.8	46.0	26.2	209.9	16.6

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Mid



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	808.667	19.5	-1.7	17.8	46.0	28.2	362.2	334.9
2	852.533	19.3	-1.2	18.1	46.0	27.9	367.1	49.7
3	878.667	19.3	-0.8	18.5	46.0	27.5	100.0	27.9

--- Vertical Polarization (QP)---

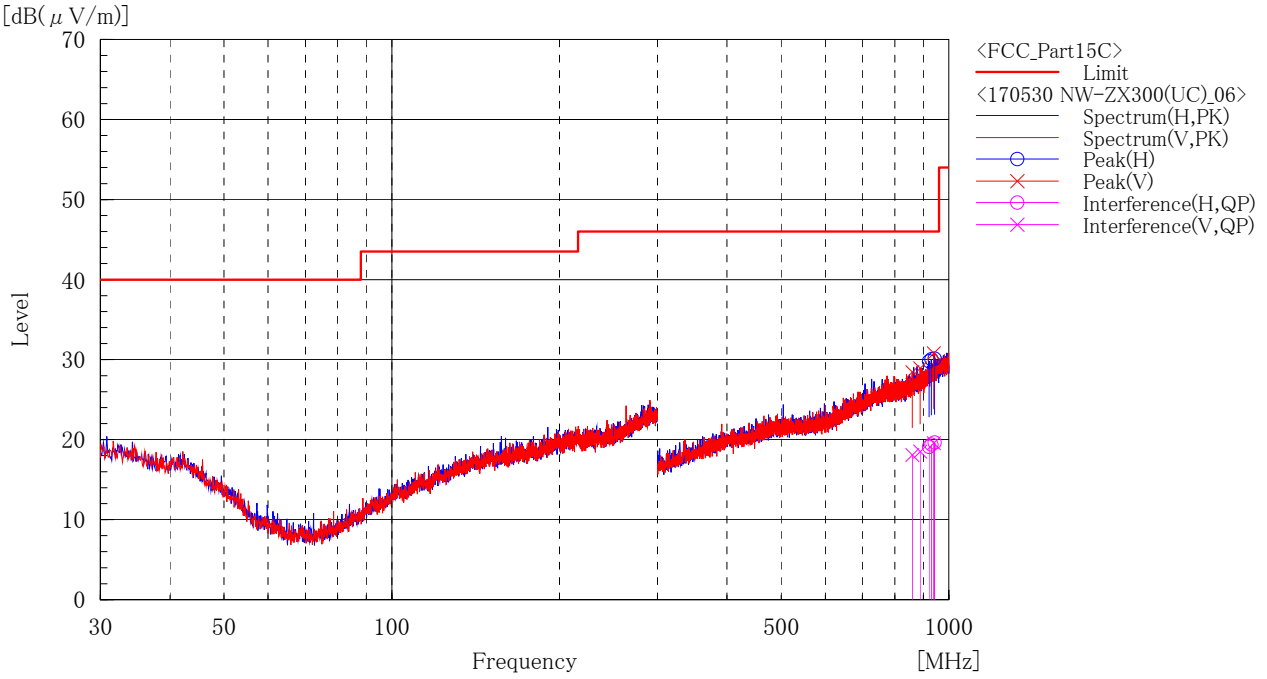
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	807.733	19.5	-1.7	17.8	46.0	28.2	205.1	119.8
2	884.967	19.0	-0.7	18.3	46.0	27.7	161.3	174.1
3	913.900	18.9	0.1	19.0	46.0	27.0	205.1	120.0

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Hi



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	921.600	18.8	0.3	19.1	46.0	26.9	126.3	118.2
2	930.700	18.8	0.6	19.4	46.0	26.6	113.9	92.3
3	943.533	18.7	1.0	19.7	46.0	26.3	101.2	50.9

--- Vertical Polarization (QP)---

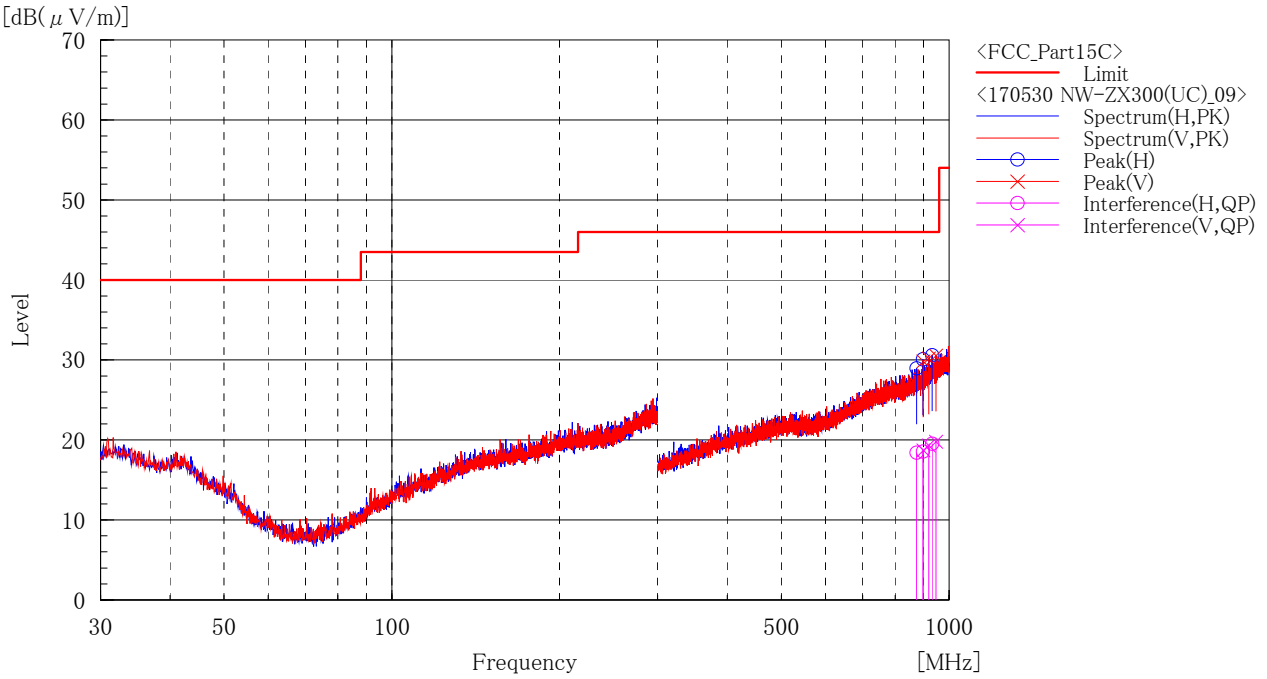
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	859.767	19.2	-1.1	18.1	46.0	27.9	220.5	237.0
2	888.467	19.1	-0.6	18.5	46.0	27.5	187.2	268.7
3	939.333	18.7	0.9	19.6	46.0	26.4	167.9	18.4

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Low



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	874.000	19.3	-0.9	18.4	46.0	27.6	368.2	67.6
2	897.800	18.9	-0.4	18.5	46.0	27.5	262.6	91.6
3	933.033	18.9	0.7	19.6	46.0	26.4	163.9	221.6

--- Vertical Polarization (QP)---

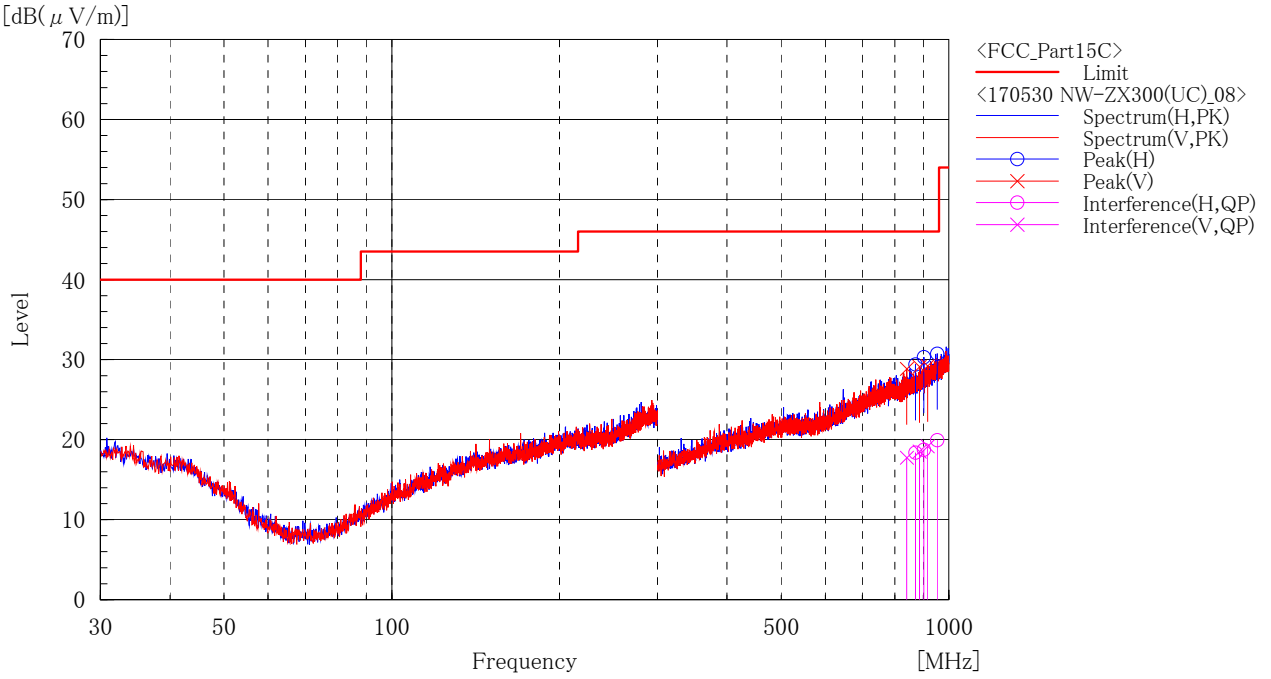
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	898.967	19.0	-0.3	18.7	46.0	27.3	178.6	353.9
2	919.967	19.0	0.3	19.3	46.0	26.7	166.4	326.7
3	947.500	18.6	1.2	19.8	46.0	26.2	141.8	274.4

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Mid



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	870.967	19.3	-0.9	18.4	46.0	27.6	147.0	54.7
2	902.000	18.9	-0.2	18.7	46.0	27.3	360.9	314.3
3	953.333	18.6	1.3	19.9	46.0	26.1	148.0	81.9

--- Vertical Polarization (QP)---

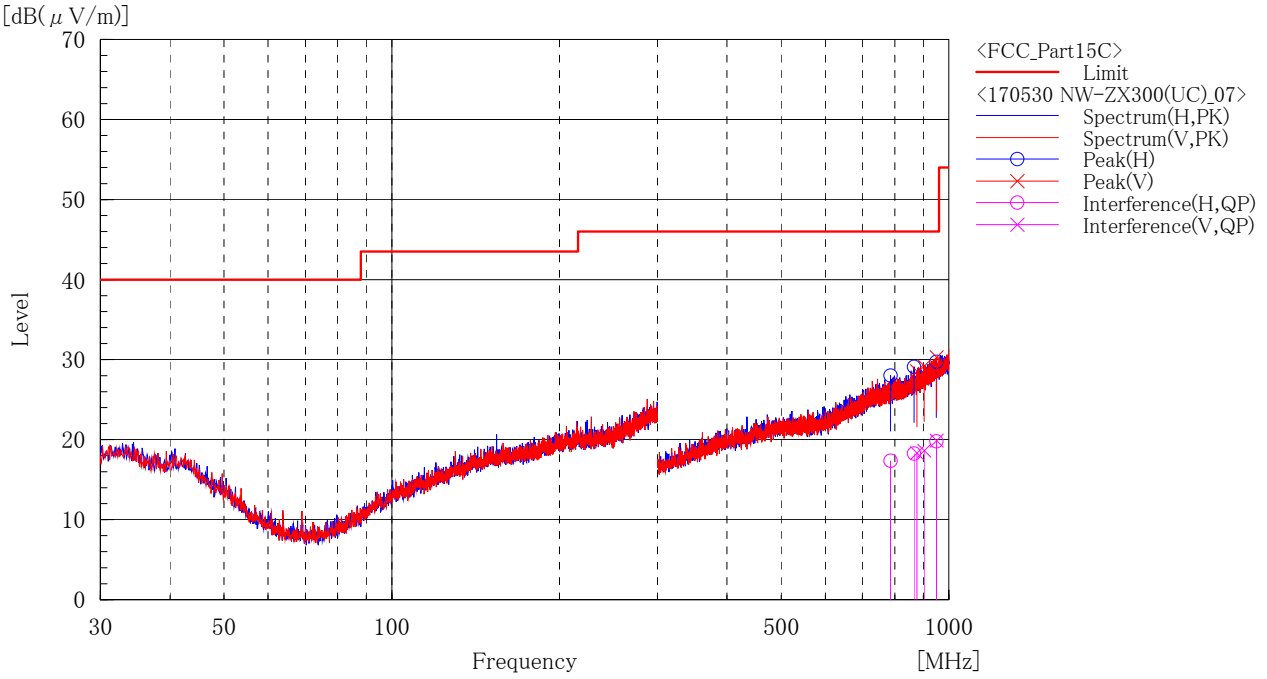
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	840.400	19.2	-1.4	17.8	46.0	28.2	117.9	251.3
2	886.367	19.1	-0.6	18.5	46.0	27.5	169.1	67.9
3	916.700	19.0	0.2	19.2	46.0	26.8	162.9	228.7

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 23deg / 65%	Remark4	: Hi



Final Result

--- Horizontal Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	786.033	19.3	-1.9	17.4	46.0	28.6	156.3	344.2
2	865.833	19.3	-1.0	18.3	46.0	27.7	100.0	358.2
3	949.833	18.6	1.2	19.8	46.0	26.2	309.3	123.6

--- Vertical Polarization (QP)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	876.100	19.2	-0.9	18.3	46.0	27.7	196.6	204.8
2	902.700	18.8	-0.2	18.6	46.0	27.4	100.0	278.4
3	951.233	18.6	1.3	19.9	46.0	26.1	320.4	304.5

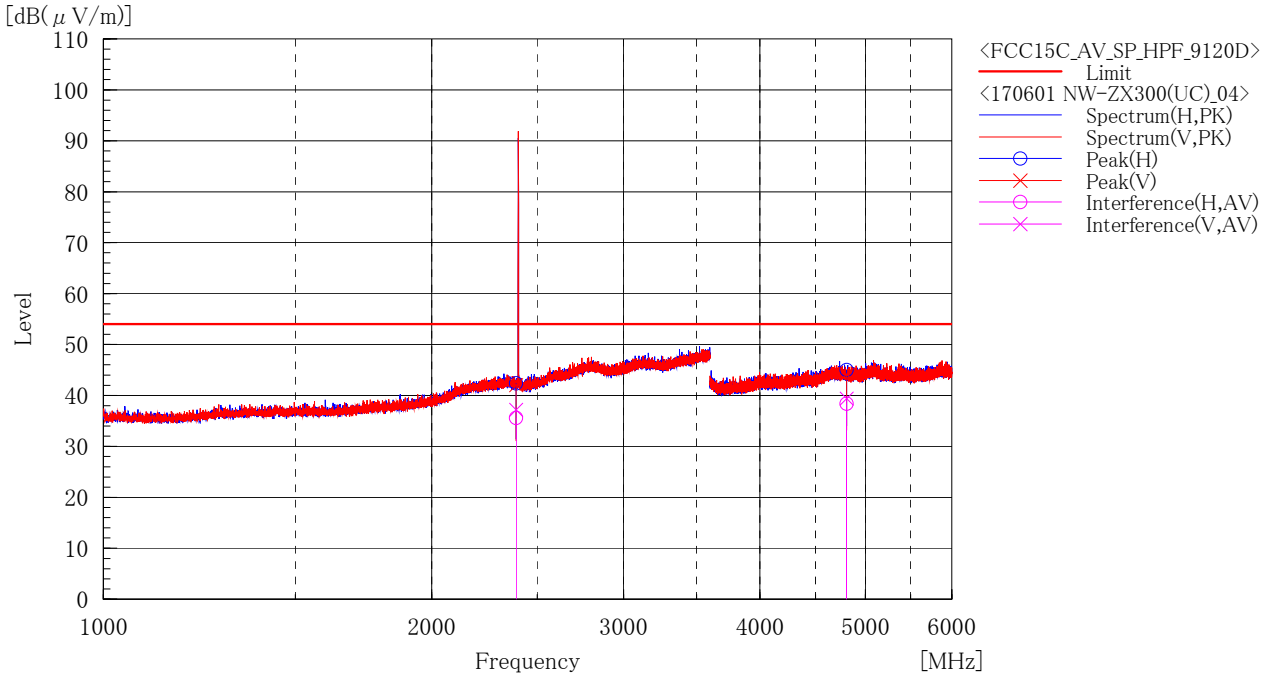
1GHz - 6 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	34.3	1.3	35.6	54.0	18.4	241.6	125.9
2	4804.732	29.1	9.3	38.4	54.0	15.6	171.4	201.7

--- Vertical Polarization (AV)---

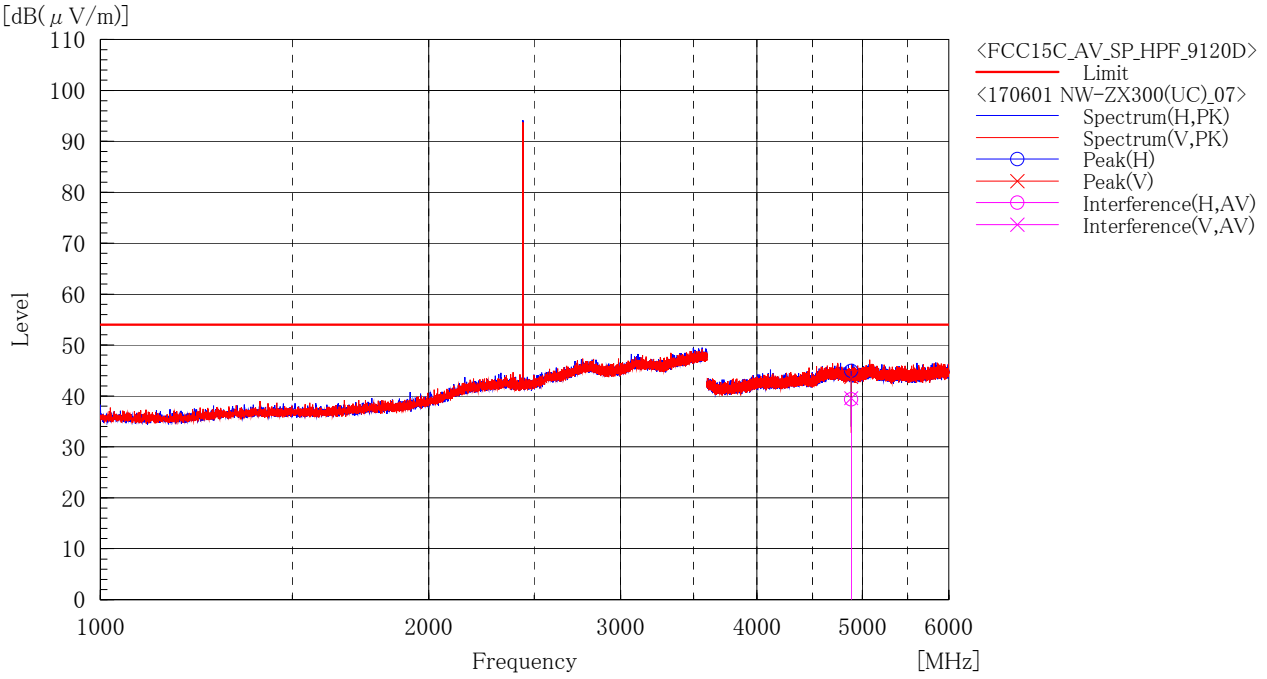
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	35.9	1.3	37.2	54.0	16.8	133.6	337.8
2	4804.970	30.1	9.3	39.4	54.0	14.6	431.0	261.0

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4880.922	30.0	9.4	39.4	54.0	14.6	396.1	36.3

--- Vertical Polarization (AV)---

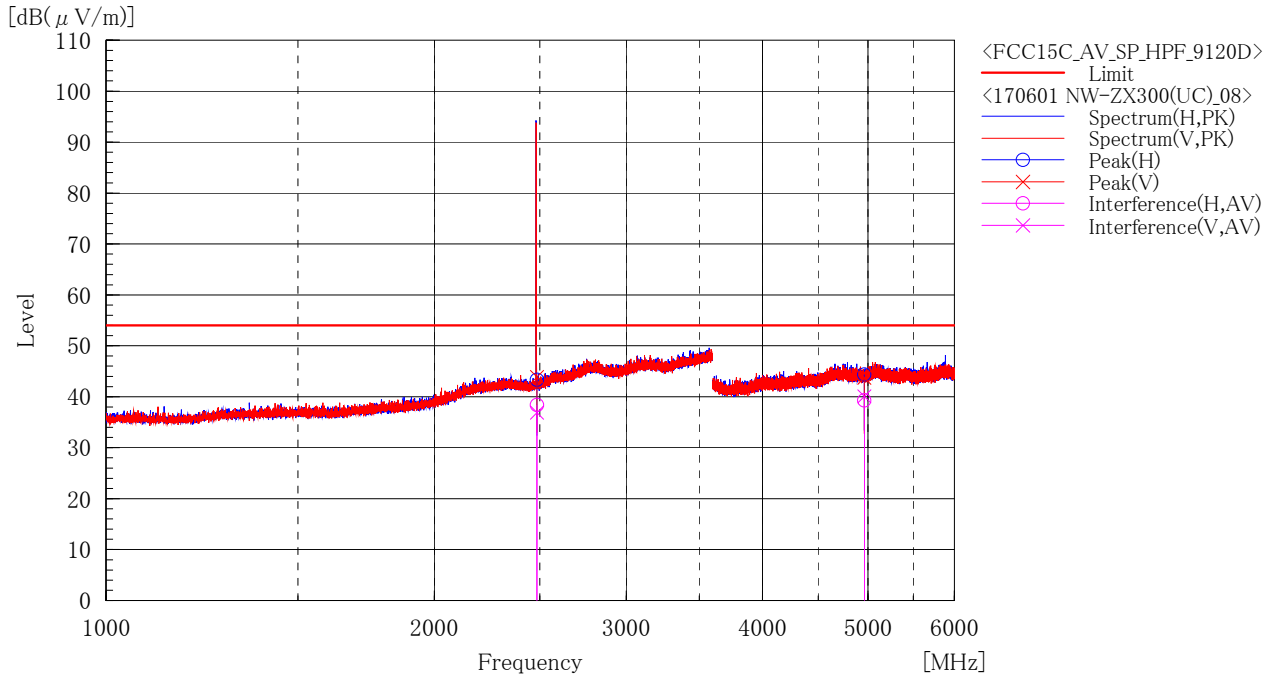
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4882.658	30.2	9.4	39.6	54.0	14.4	244.0	118.9

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	36.8	1.6	38.4	54.0	15.6	314.0	301.9
2	4960.089	29.8	9.5	39.3	54.0	14.7	153.6	129.7

--- Vertical Polarization (AV)---

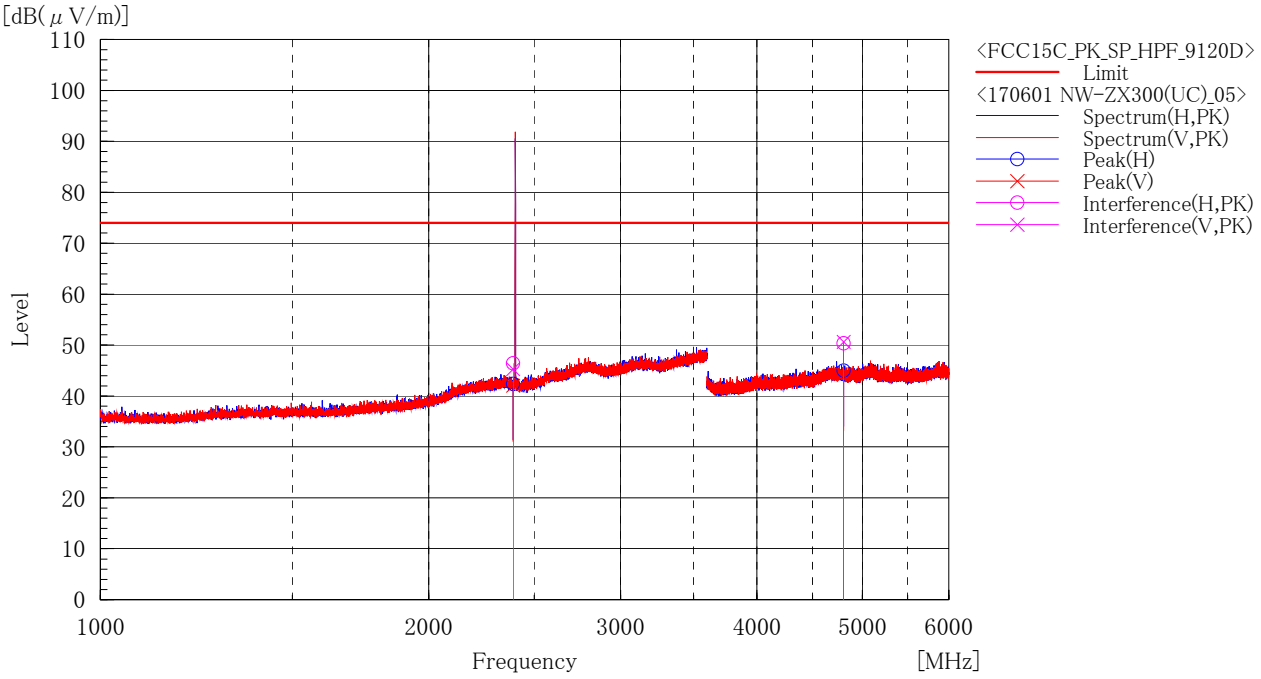
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	35.3	1.6	36.9	54.0	17.1	164.6	126.0
2	4960.489	30.6	9.5	40.1	54.0	13.9	149.1	163.9

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	45.1	1.3	46.4	74.0	27.6	241.6	128.0
2	4804.459	41.1	9.3	50.4	74.0	23.6	171.4	201.7

--- Vertical Polarization (PK)---

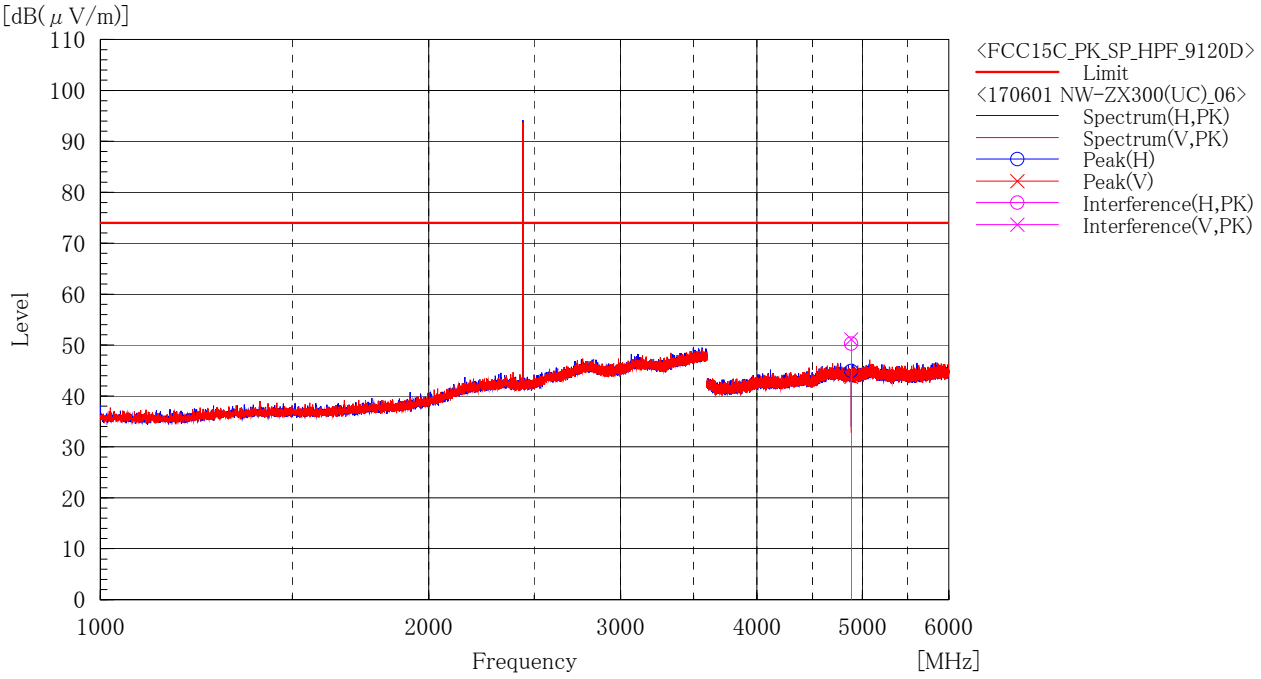
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	44.0	1.3	45.3	74.0	28.7	133.6	339.8
2	4804.295	41.3	9.3	50.6	74.0	23.4	431.0	259.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4881.545	40.9	9.4	50.3	74.0	23.7	396.1	36.3

--- Vertical Polarization (PK)---

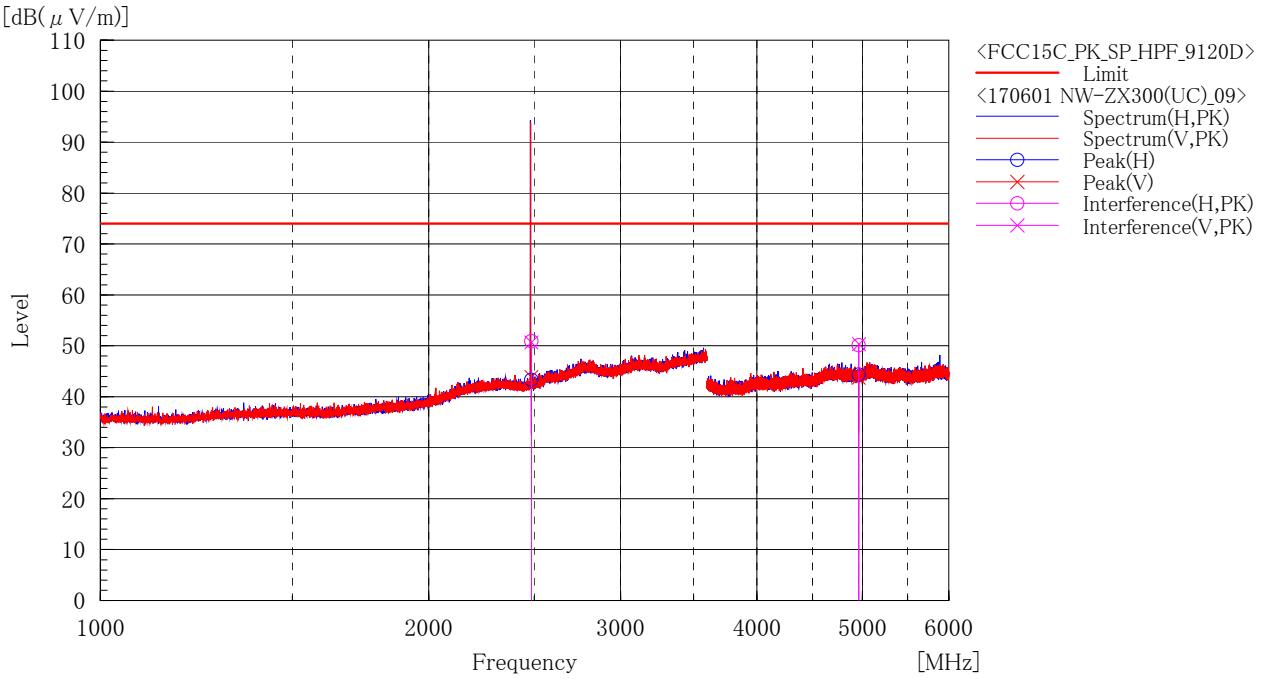
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4881.968	41.8	9.4	51.2	74.0	22.8	244.0	120.9

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	49.3	1.6	50.9	74.0	23.1	314.0	299.8
2	4959.708	40.6	9.5	50.1	74.0	23.9	153.6	131.6

--- Vertical Polarization (PK)---

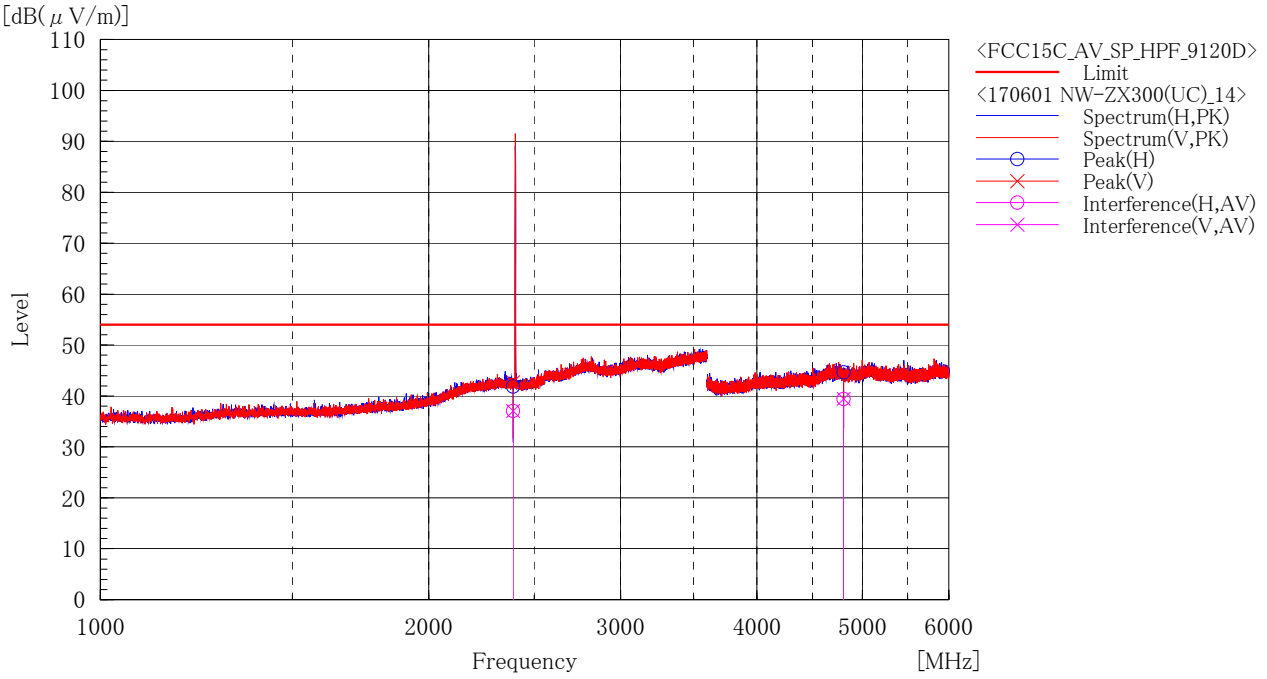
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	49.1	1.6	50.7	74.0	23.3	164.6	128.0
2	4961.867	40.9	9.5	50.4	74.0	23.6	149.1	163.9

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	35.8	1.3	37.1	54.0	16.9	189.4	247.3
2	4803.491	30.1	9.3	39.4	54.0	14.6	156.9	296.2

--- Vertical Polarization (AV)---

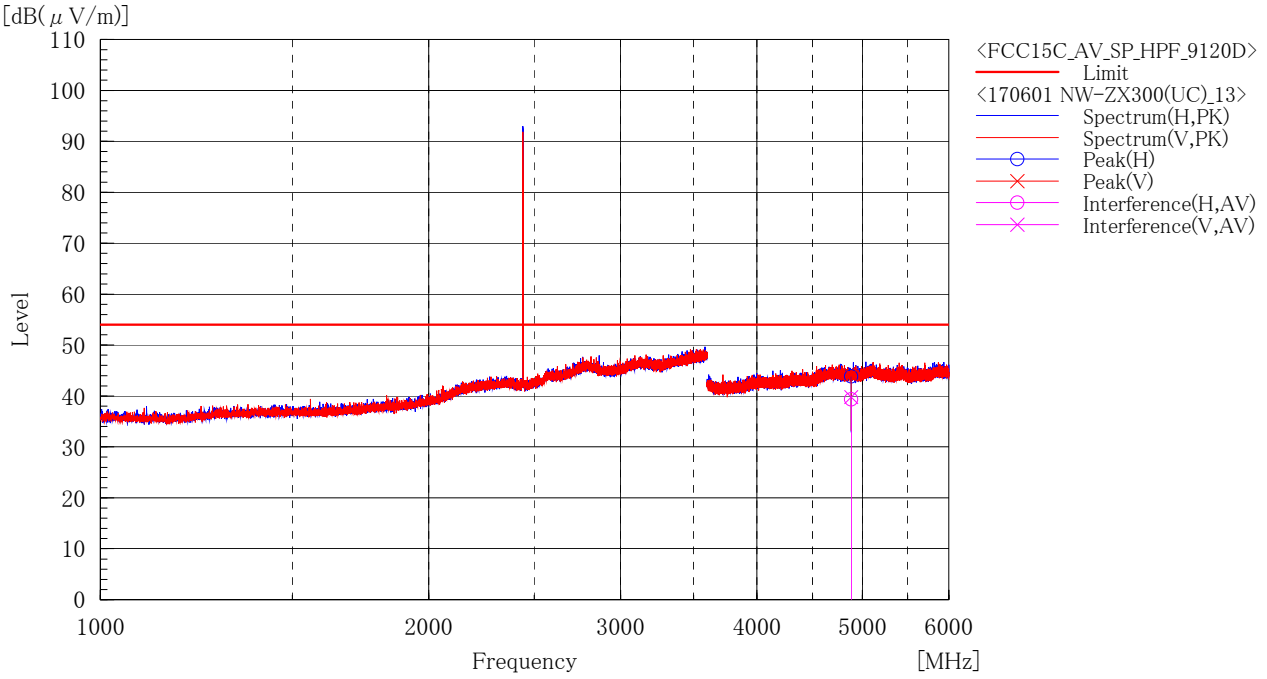
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	35.8	1.3	37.1	54.0	16.9	196.4	6.8
2	4803.126	30.2	9.3	39.5	54.0	14.5	211.0	165.8

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4882.196	30.0	9.4	39.4	54.0	14.6	398.2	125.1

--- Vertical Polarization (AV)---

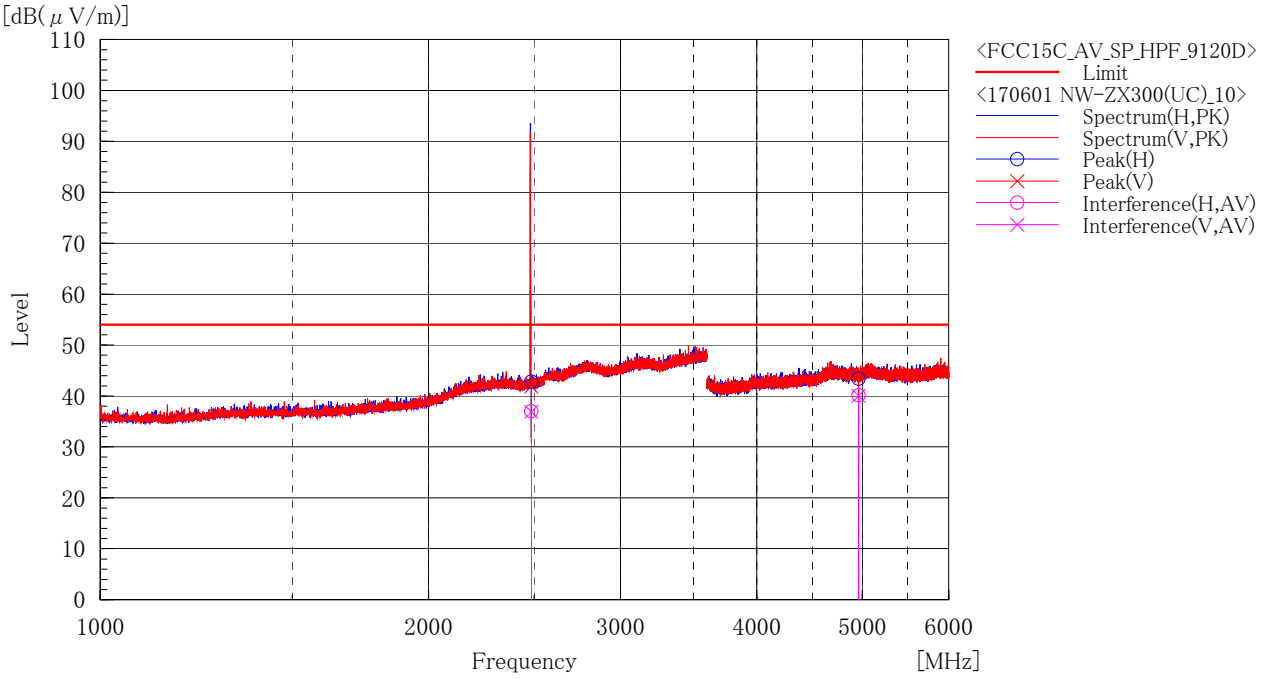
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4882.366	30.4	9.4	39.8	54.0	14.2	165.4	128.7

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	35.4	1.6	37.0	54.0	17.0	191.9	43.3
2	4960.929	30.6	9.5	40.1	54.0	13.9	196.0	267.2

--- Vertical Polarization (AV)---

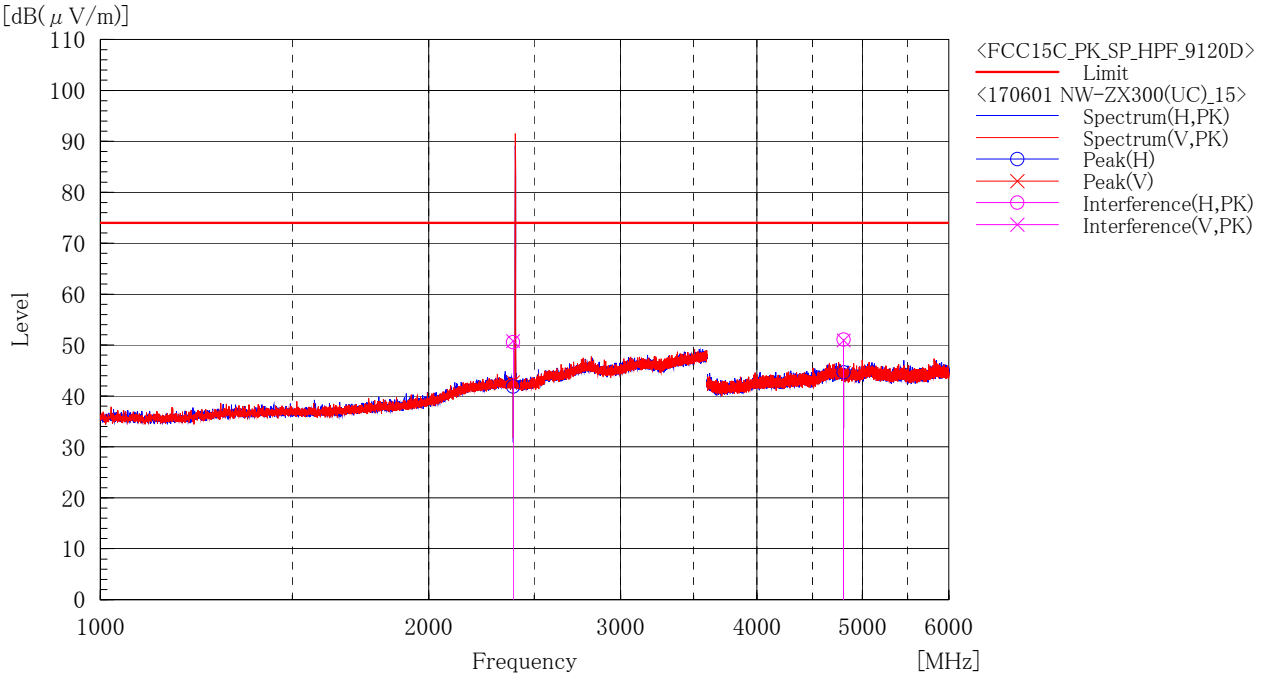
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	35.3	1.6	36.9	54.0	17.1	143.9	317.4
2	4959.458	30.6	9.5	40.1	54.0	13.9	139.0	319.6

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	49.3	1.3	50.6	74.0	23.4	189.4	249.3
2	4804.518	41.8	9.3	51.1	74.0	22.9	156.9	296.2

--- Vertical Polarization (PK)---

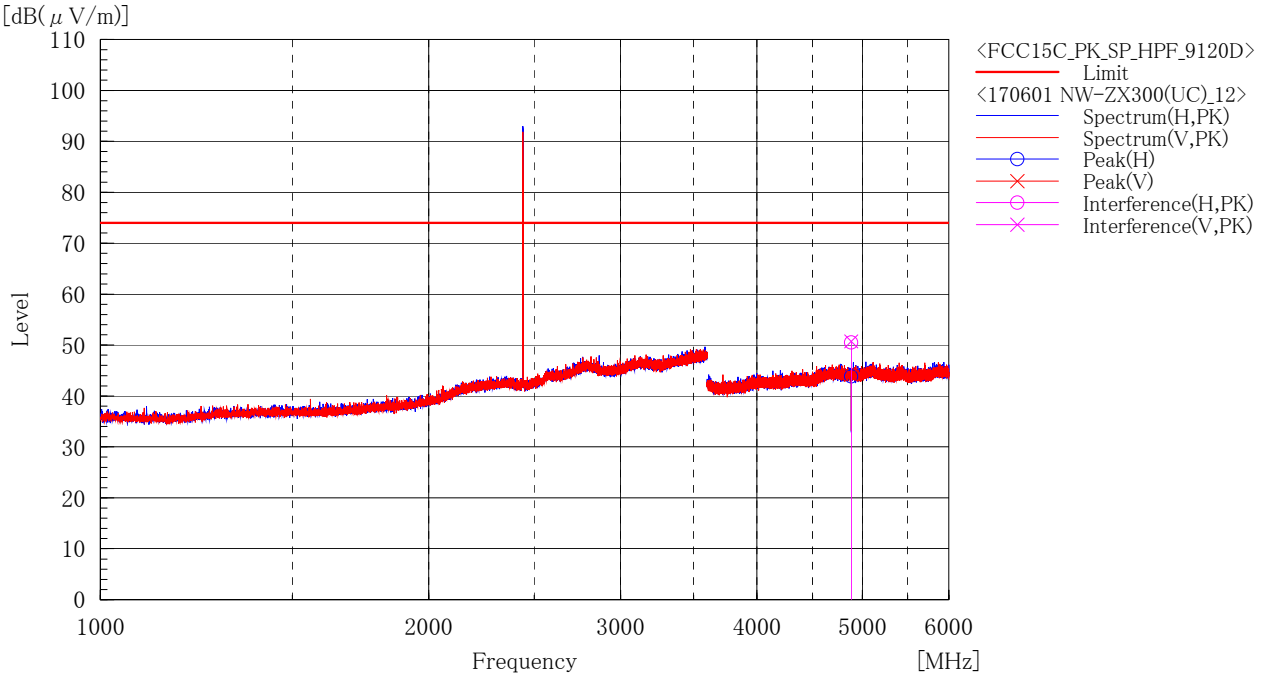
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	49.5	1.3	50.8	74.0	23.2	196.4	4.9
2	4803.132	41.6	9.3	50.9	74.0	23.1	211.0	163.8

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4881.282	41.1	9.4	50.5	74.0	23.5	398.2	123.6

--- Vertical Polarization (PK)---

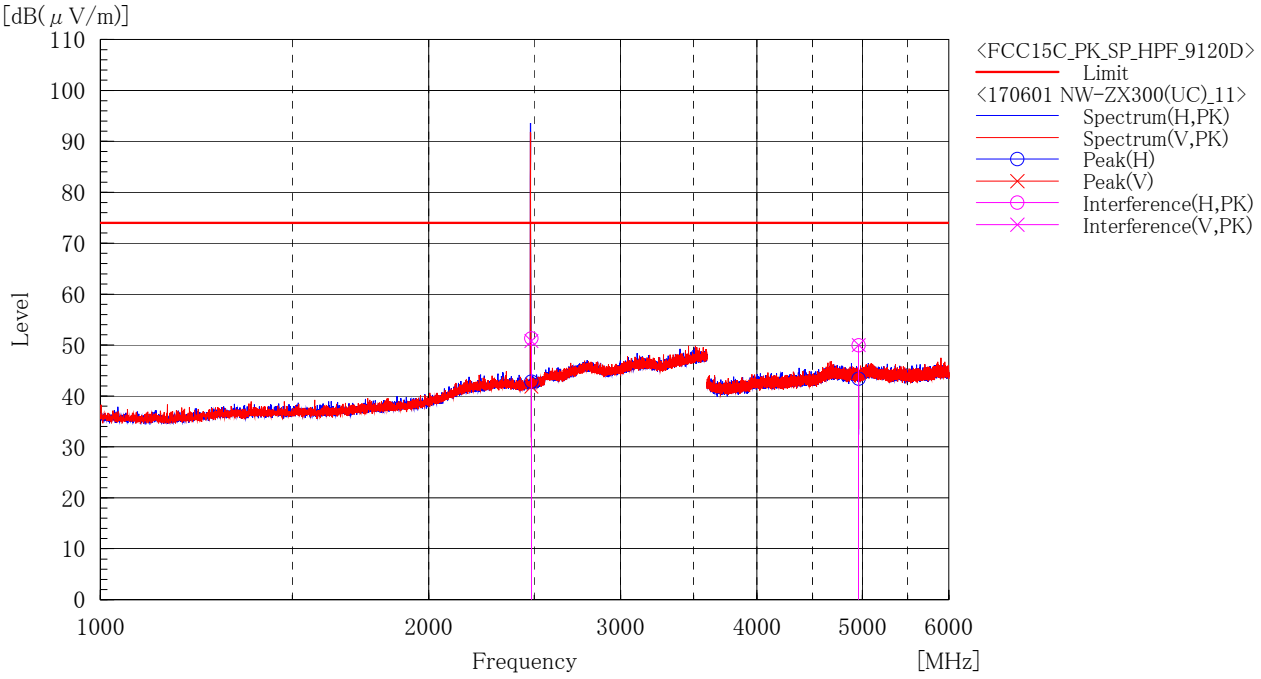
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	4882.572	41.3	9.4	50.7	74.0	23.3	165.4	128.7

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Y
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 24deg / 66%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	49.7	1.6	51.3	74.0	22.7	191.9	41.5
2	4961.038	40.5	9.5	50.0	74.0	24.0	196.0	267.2

--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	49.2	1.6	50.8	74.0	23.2	143.9	319.5
2	4960.448	40.5	9.5	50.0	74.0	24.0	139.0	319.5

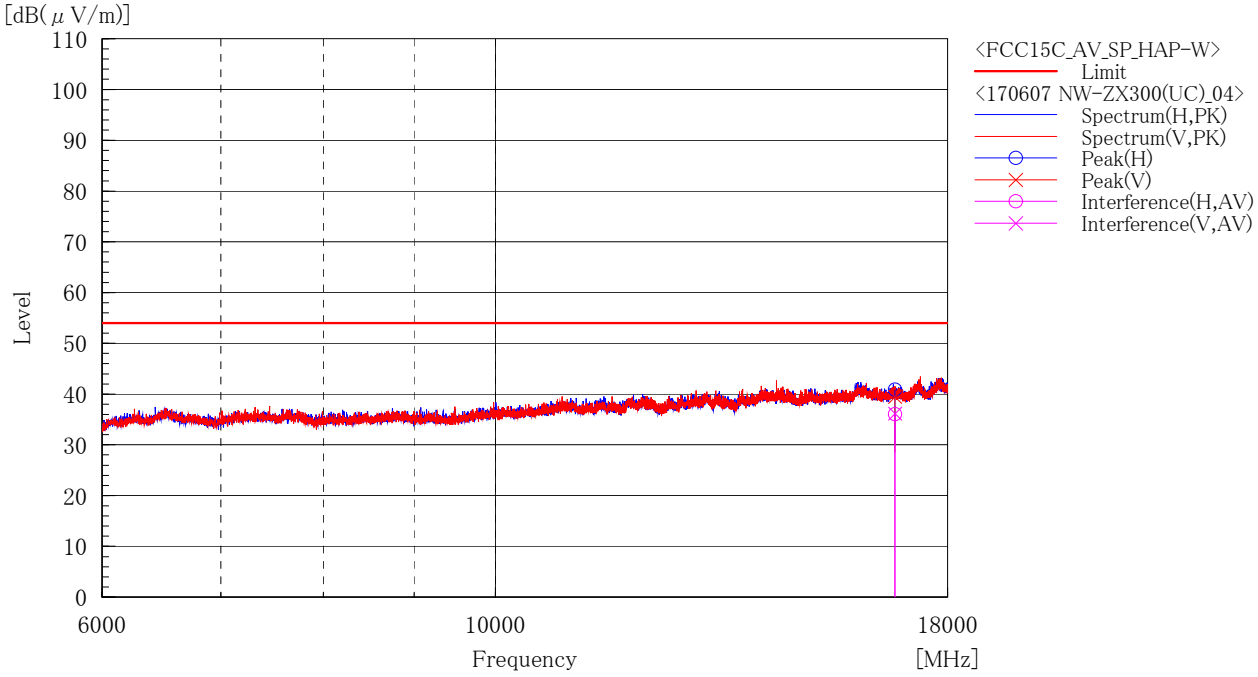
6 GHz - 18 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.370	36.5	-0.4	36.1	54.0	17.9	220.8	11.2

--- Vertical Polarization (AV)---

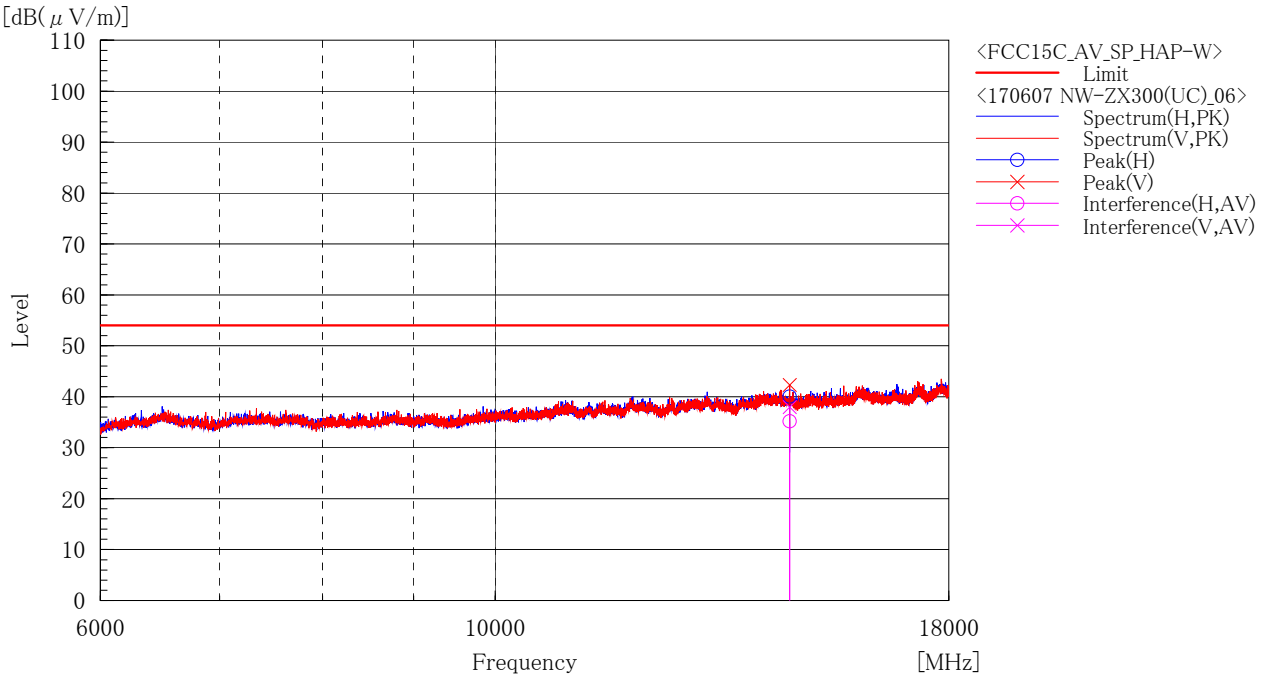
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.570	36.6	-0.4	36.2	54.0	17.8	100.0	30.8

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14645.773	37.7	-2.5	35.2	54.0	18.8	411.5	152.9

--- Vertical Polarization (AV)---

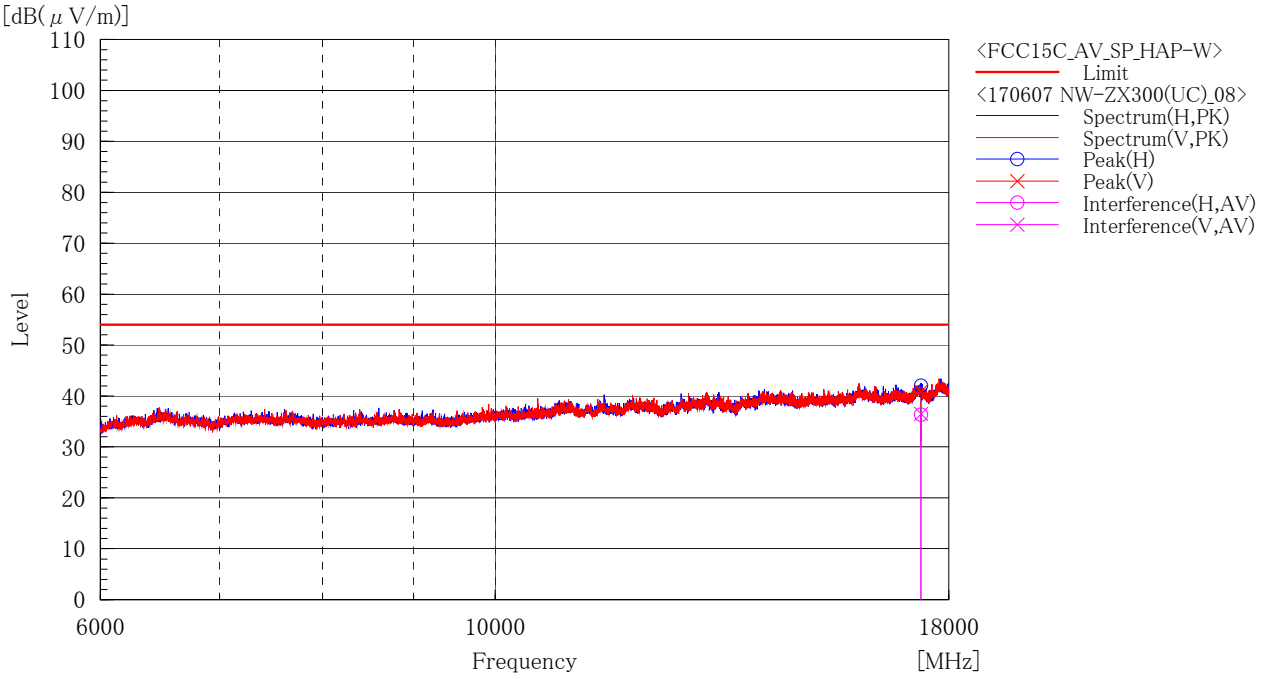
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14645.142	40.5	-2.5	38.0	54.0	16.0	246.3	100.7

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17363.236	36.1	0.2	36.3	54.0	17.7	163.0	354.4

--- Vertical Polarization (AV)---

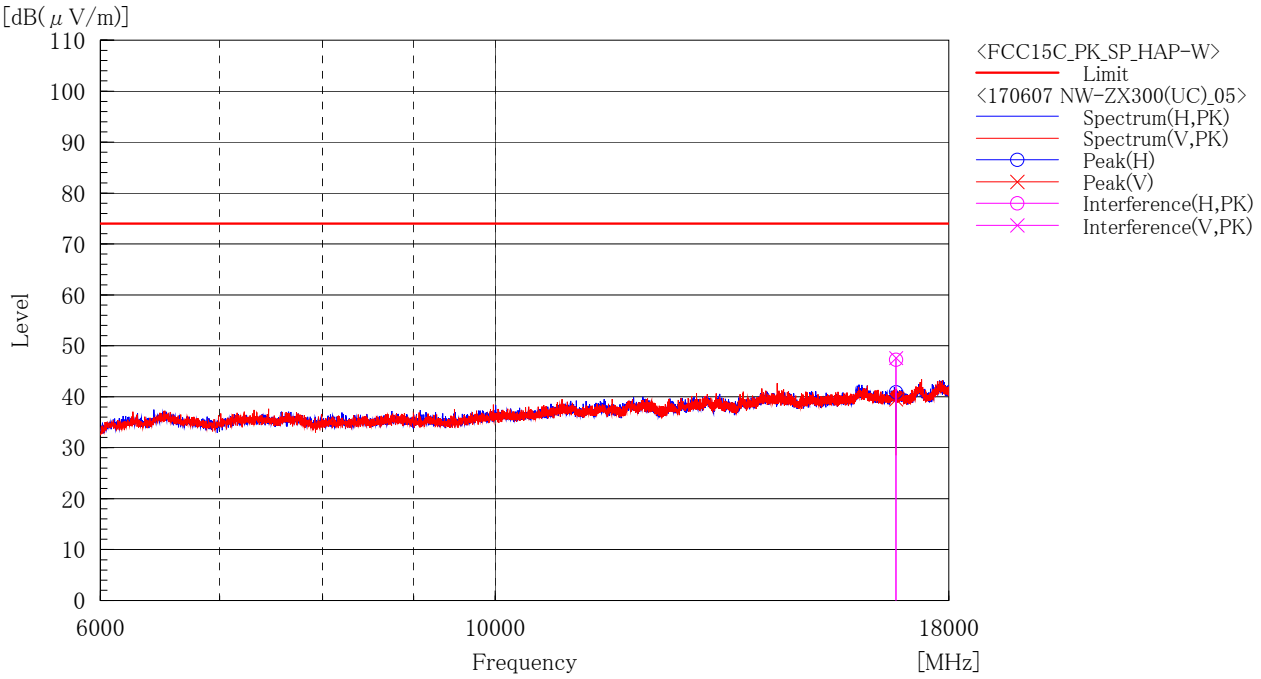
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17360.924	36.3	0.2	36.5	54.0	17.5	290.1	59.0

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.890	47.7	-0.4	47.3	74.0	26.7	220.8	11.2

--- Vertical Polarization (PK)---

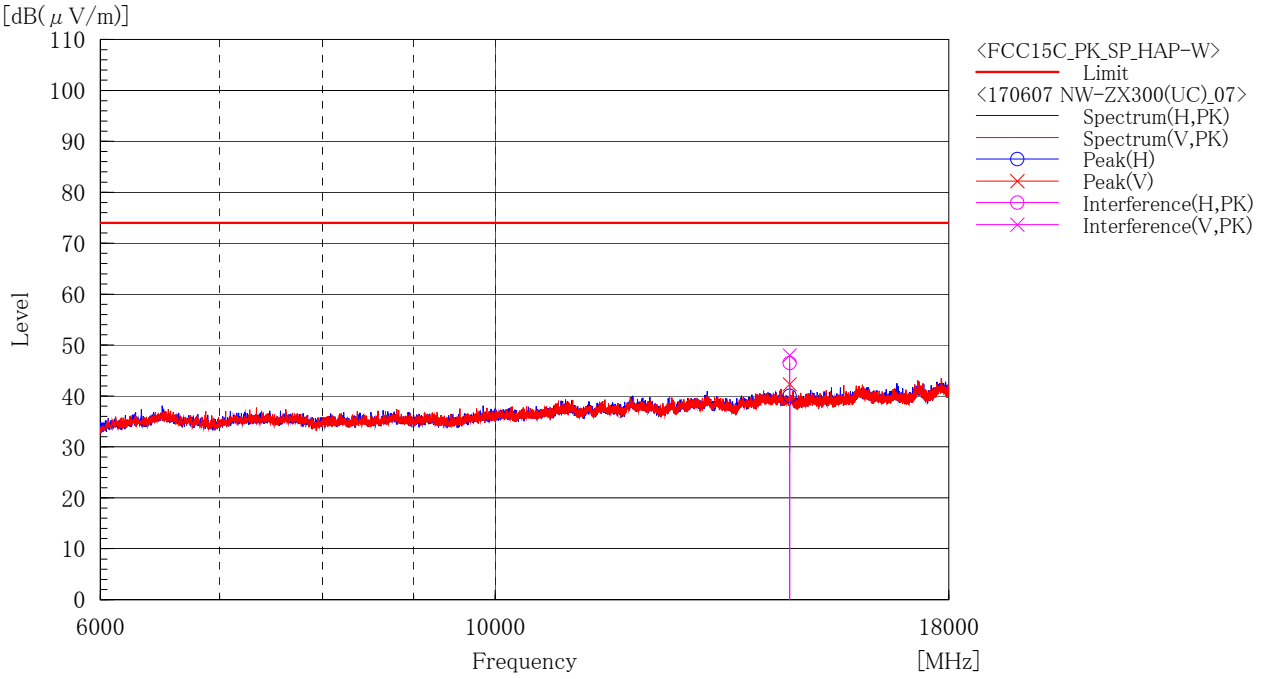
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16813.346	48.0	-0.4	47.6	74.0	26.4	100.0	28.9

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14646.580	49.0	-2.5	46.5	74.0	27.5	411.5	150.9

--- Vertical Polarization (PK)---

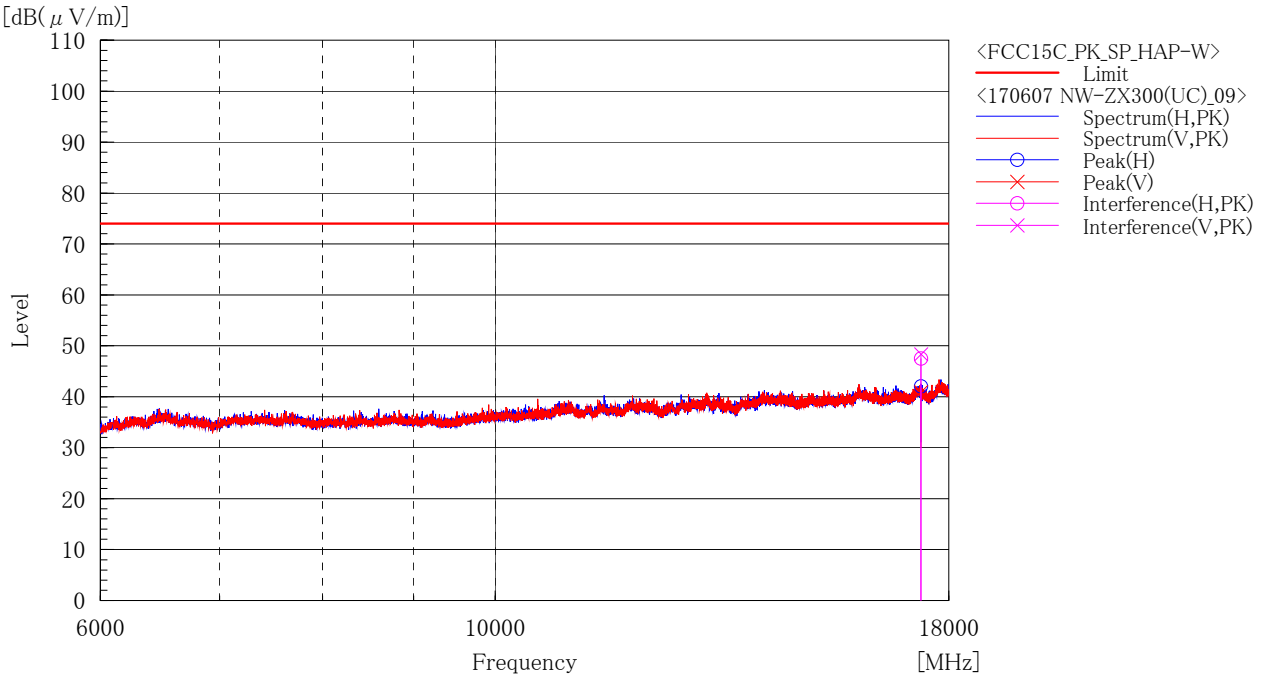
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14645.343	50.5	-2.5	48.0	74.0	26.0	246.3	100.7

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17362.826	47.3	0.2	47.5	74.0	26.5	163.0	354.4

--- Vertical Polarization (PK)---

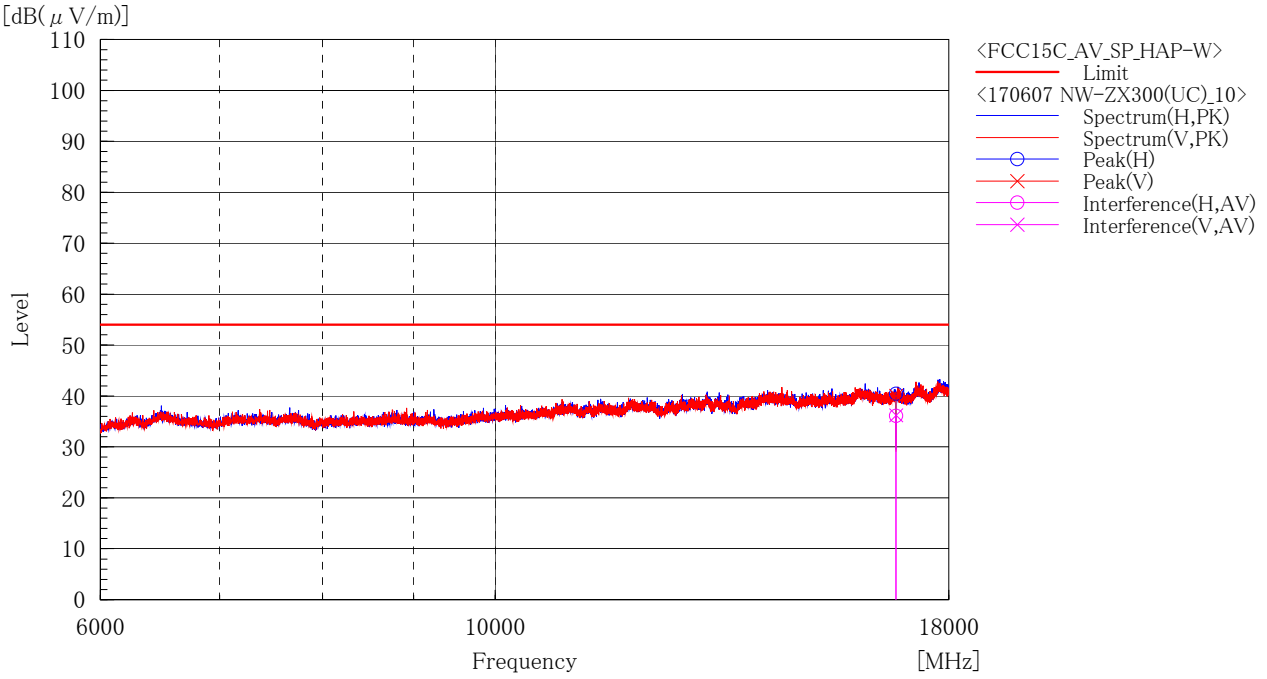
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17361.138	48.2	0.2	48.4	74.0	25.6	290.1	57.0

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.872	36.5	-0.4	36.1	54.0	17.9	429.6	72.8

--- Vertical Polarization (AV)---

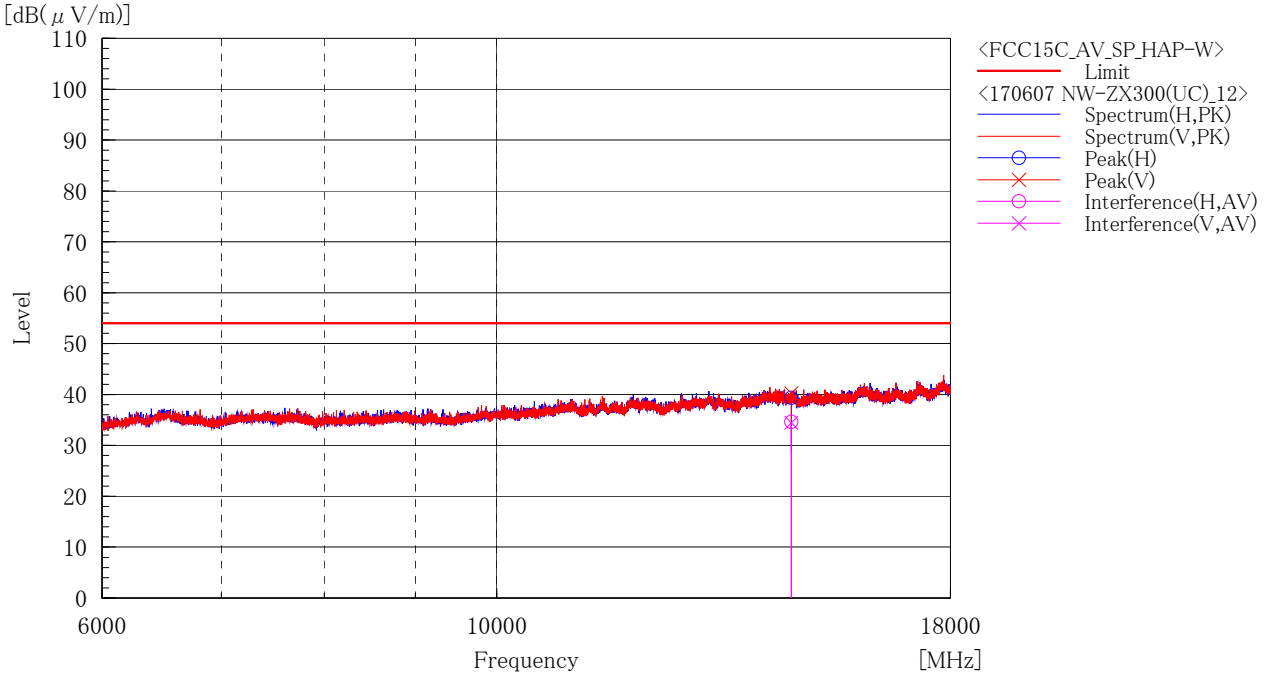
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.180	36.6	-0.4	36.2	54.0	17.8	432.0	359.7

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14645.326	37.2	-2.5	34.7	54.0	19.3	238.7	207.3

--- Vertical Polarization (AV)---

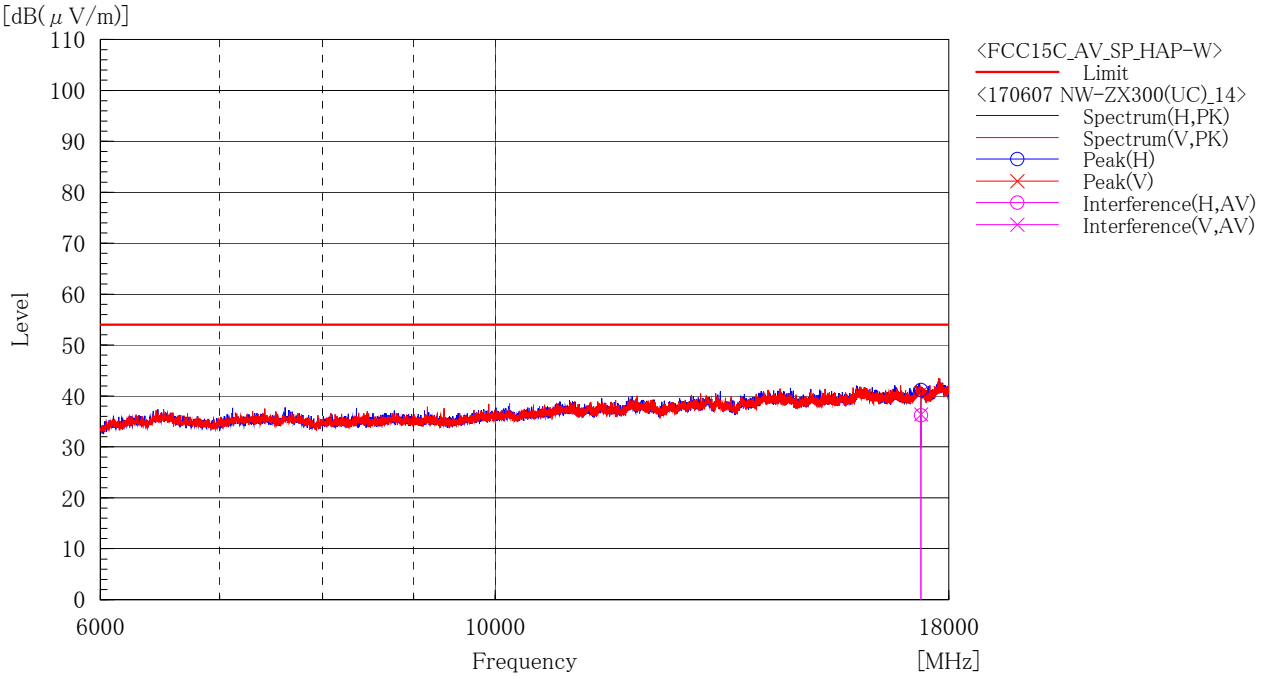
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14644.838	37.0	-2.5	34.5	54.0	19.5	254.4	195.2

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	17360.656	36.1	0.2	36.3	54.0	17.7	231.2	263.2

--- Vertical Polarization (AV)---

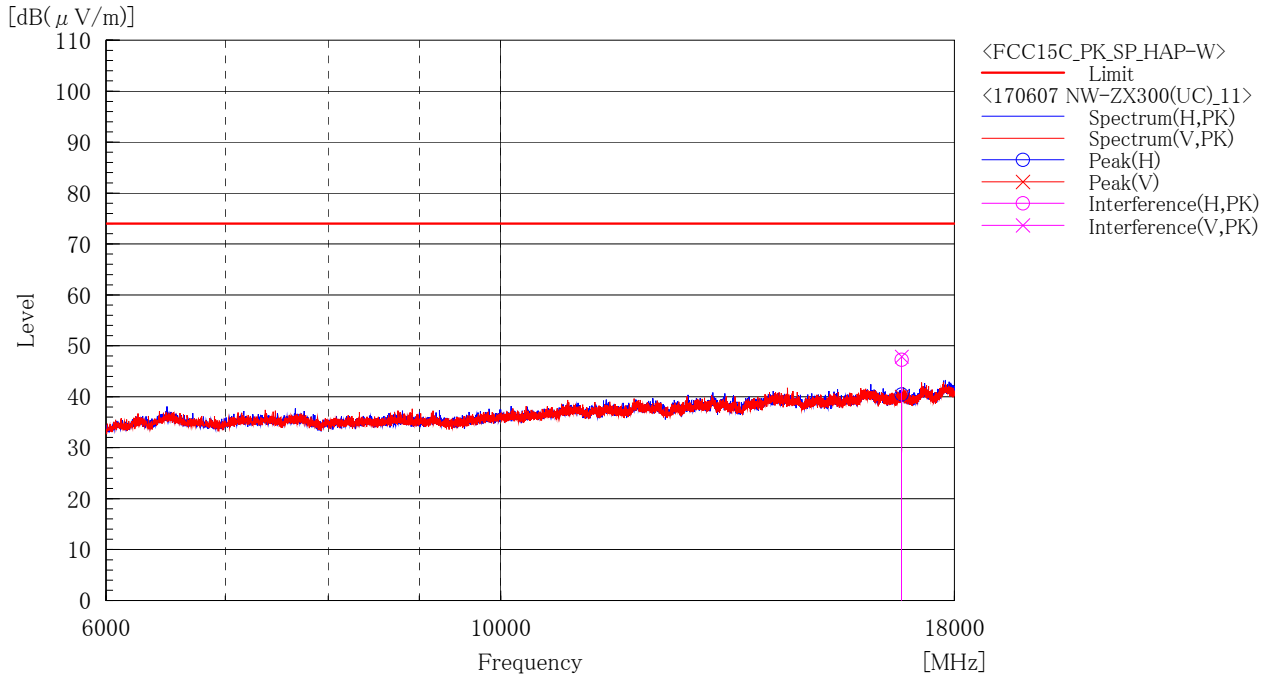
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	17361.434	36.2	0.2	36.4	54.0	17.6	138.9	303.5

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16812.698	47.7	-0.4	47.3	74.0	26.7	429.6	70.8

--- Vertical Polarization (PK)---

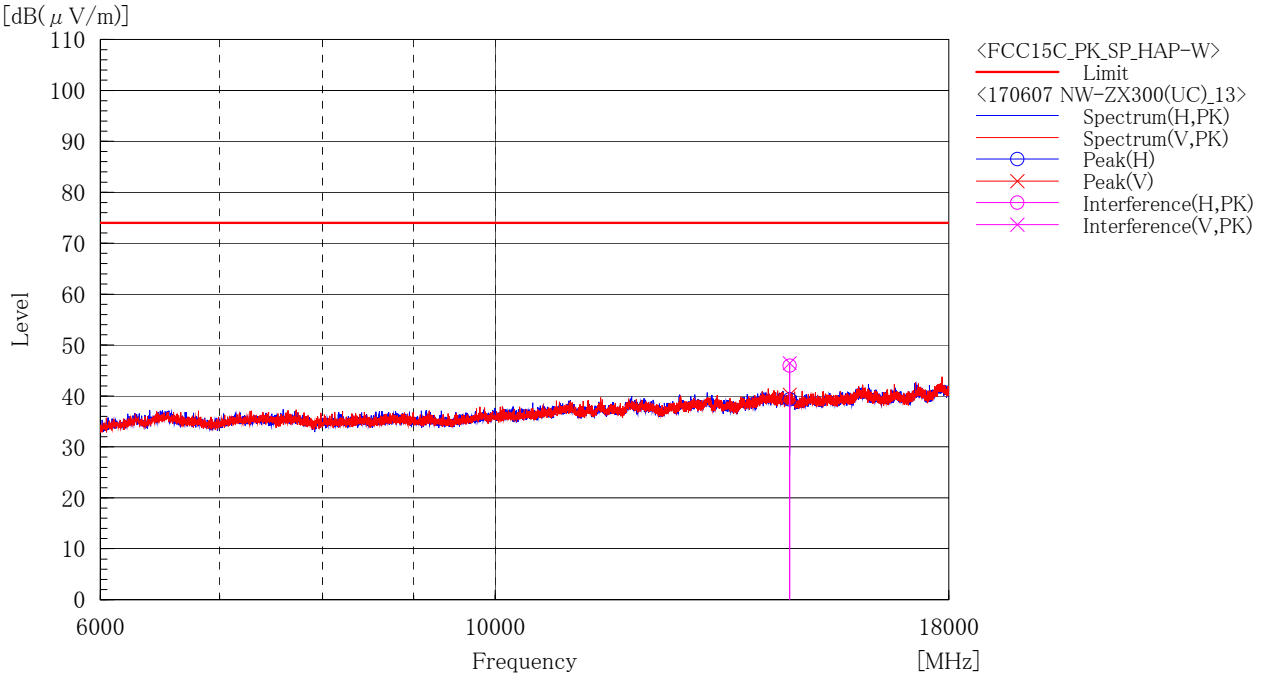
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16813.140	48.3	-0.4	47.9	74.0	26.1	432.0	359.7

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14644.955	48.5	-2.5	46.0	74.0	28.0	238.7	207.3

--- Vertical Polarization (PK)---

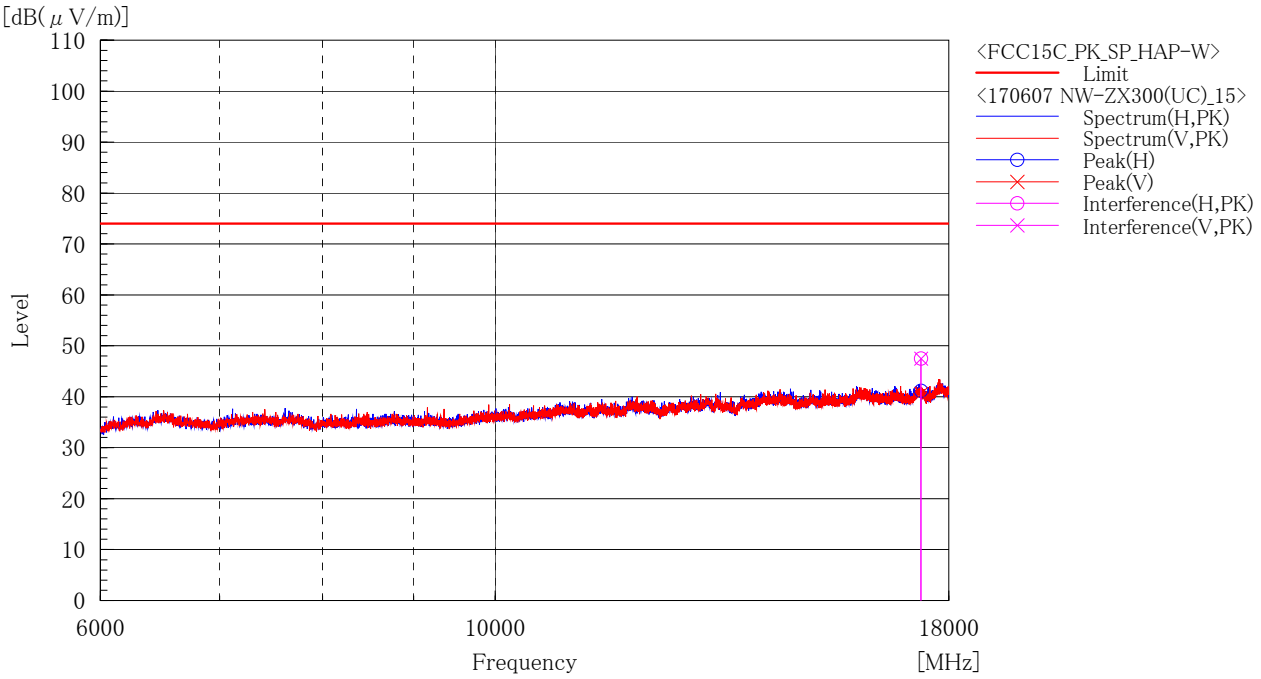
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14644.754	49.0	-2.5	46.5	74.0	27.5	254.4	197.0

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: Z
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17361.534	47.3	0.2	47.5	74.0	26.5	231.2	265.1

--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17360.572	47.3	0.2	47.5	74.0	26.5	138.9	303.5

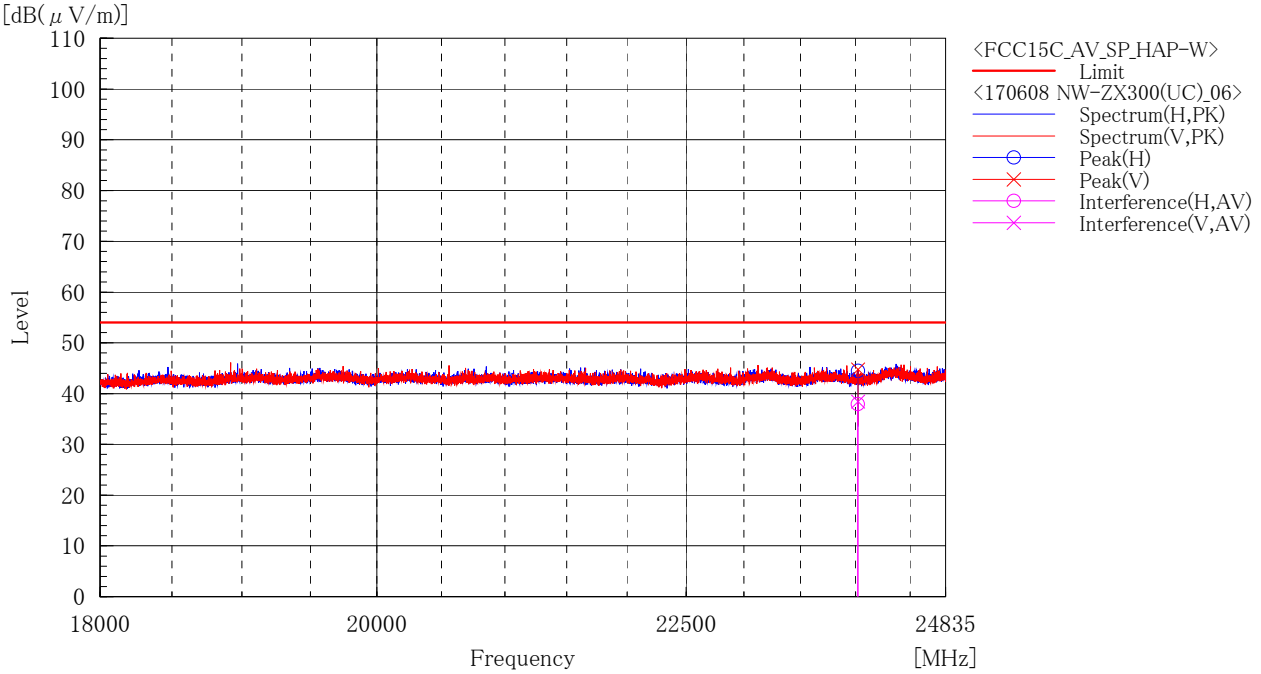
18 GHz – 24.835 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24019.494	35.6	2.3	37.9	54.0	16.1	109.2	322.8

--- Vertical Polarization (AV)---

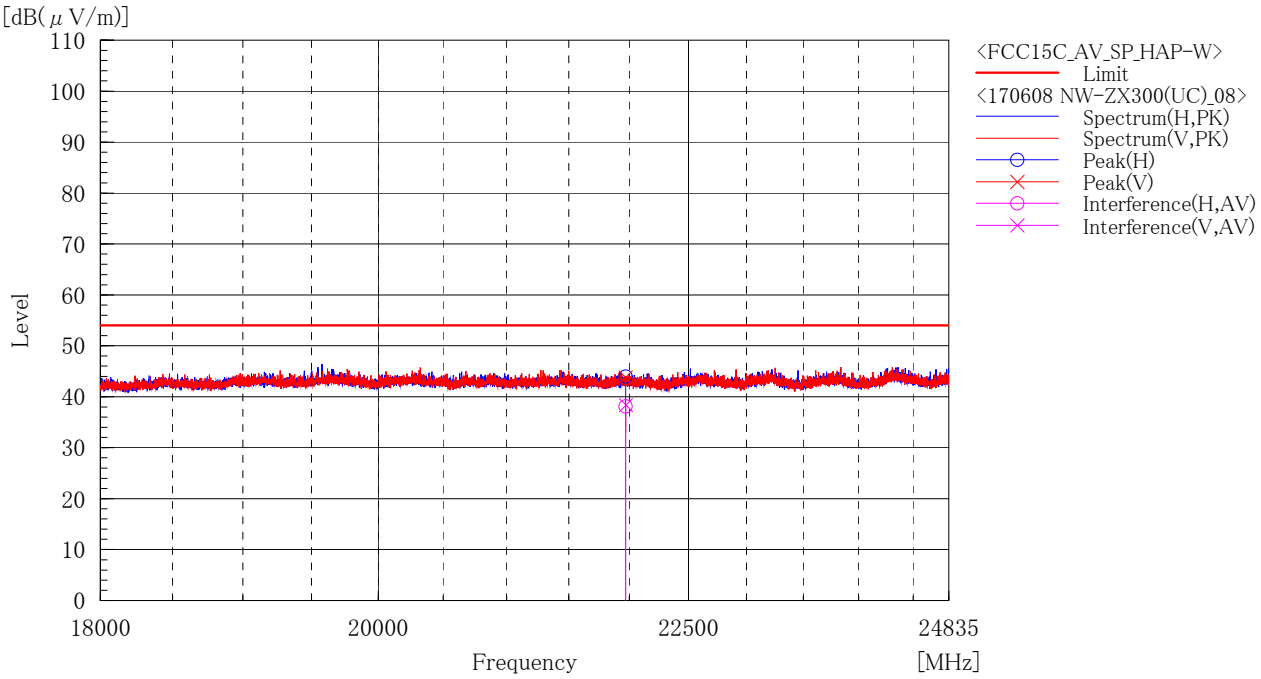
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24021.948	36.2	2.3	38.5	54.0	15.5	407.1	76.0

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	21969.102	35.2	2.9	38.1	54.0	15.9	365.6	171.6

--- Vertical Polarization (AV)---

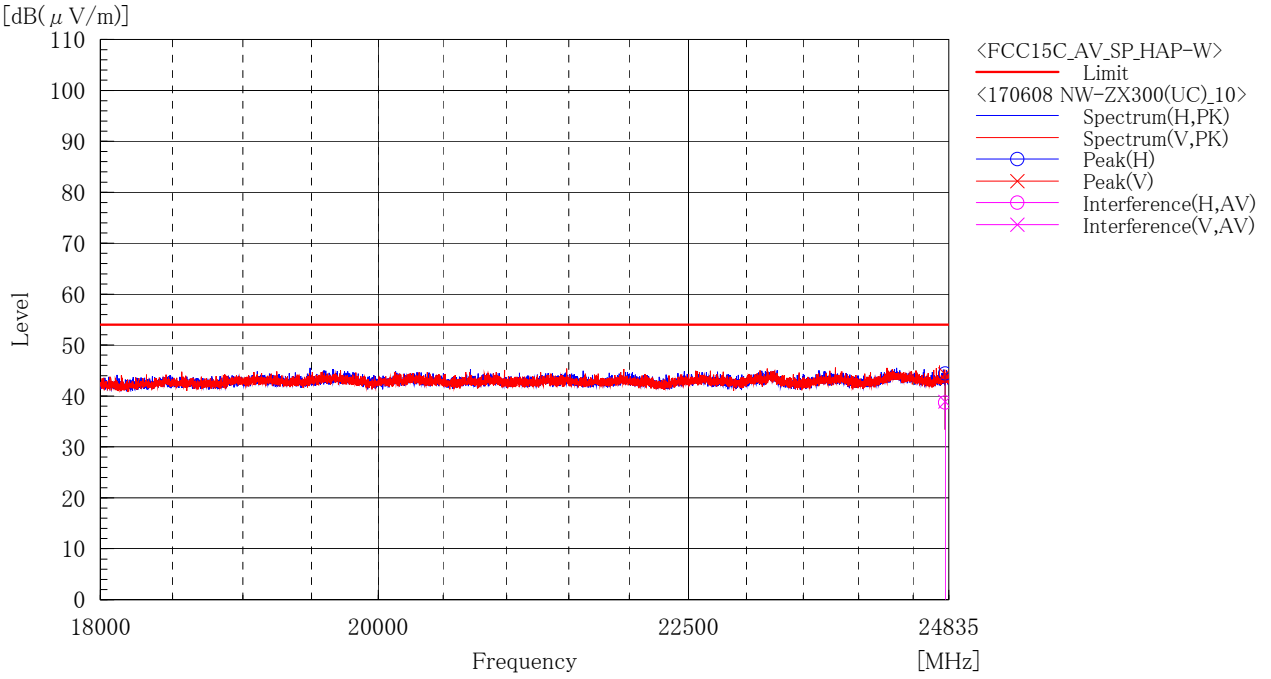
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	21969.662	35.5	2.9	38.4	54.0	15.6	365.6	181.9

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	24799.700	36.5	2.2	38.7	54.0	15.3	136.0	206.5

--- Vertical Polarization (AV)---

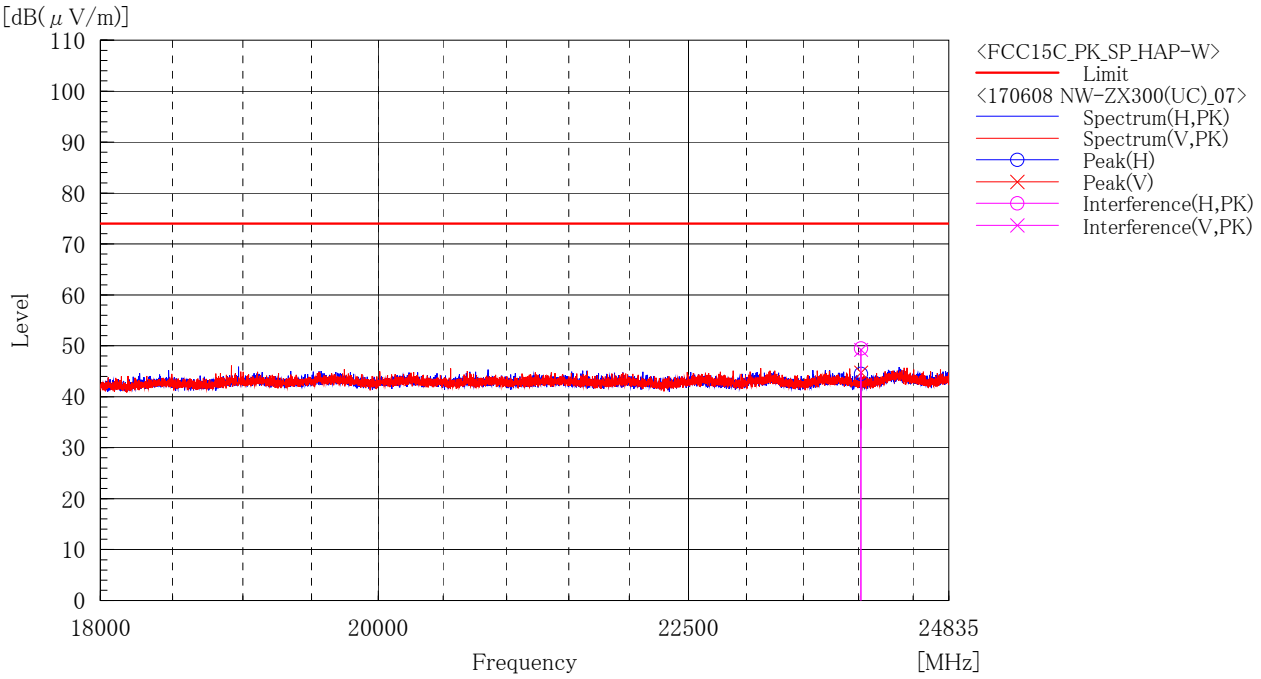
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	24800.098	36.7	2.2	38.9	54.0	15.1	201.4	349.2

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24019.644	47.2	2.3	49.5	74.0	24.5	109.2	322.8

--- Vertical Polarization (PK)---

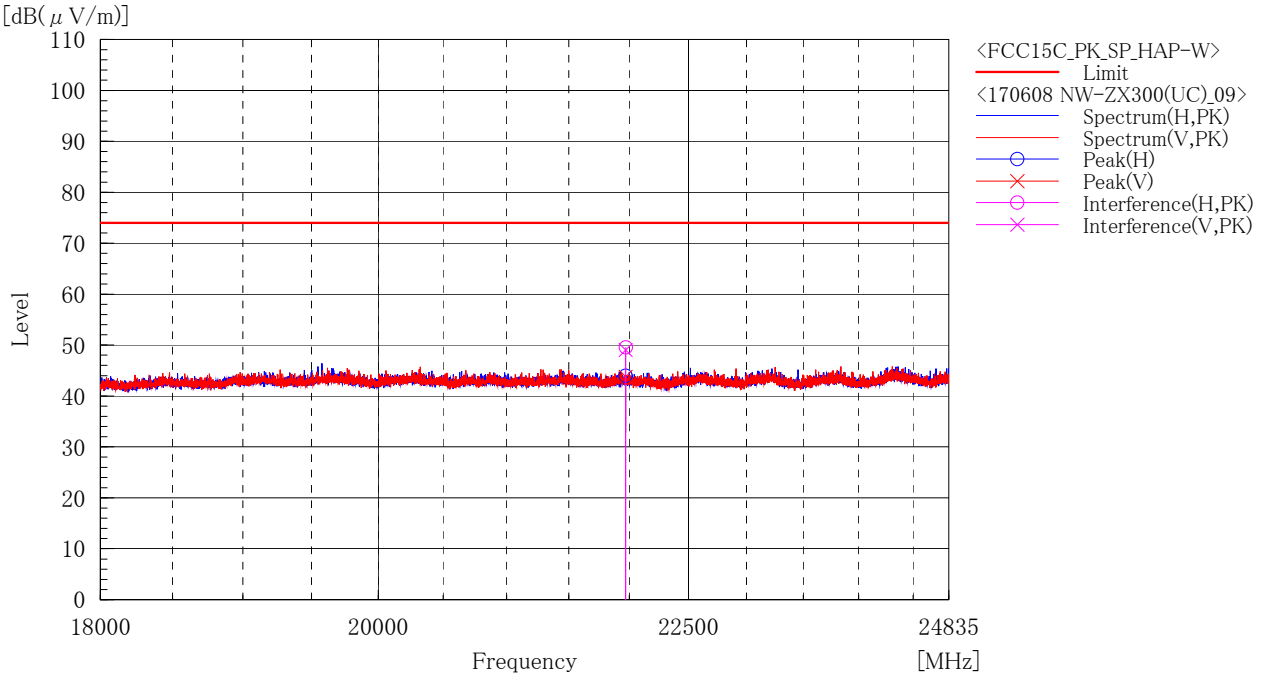
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24021.882	46.9	2.3	49.2	74.0	24.8	407.1	76.6

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	21969.464	46.6	2.9	49.5	74.0	24.5	365.6	173.4

--- Vertical Polarization (PK)---

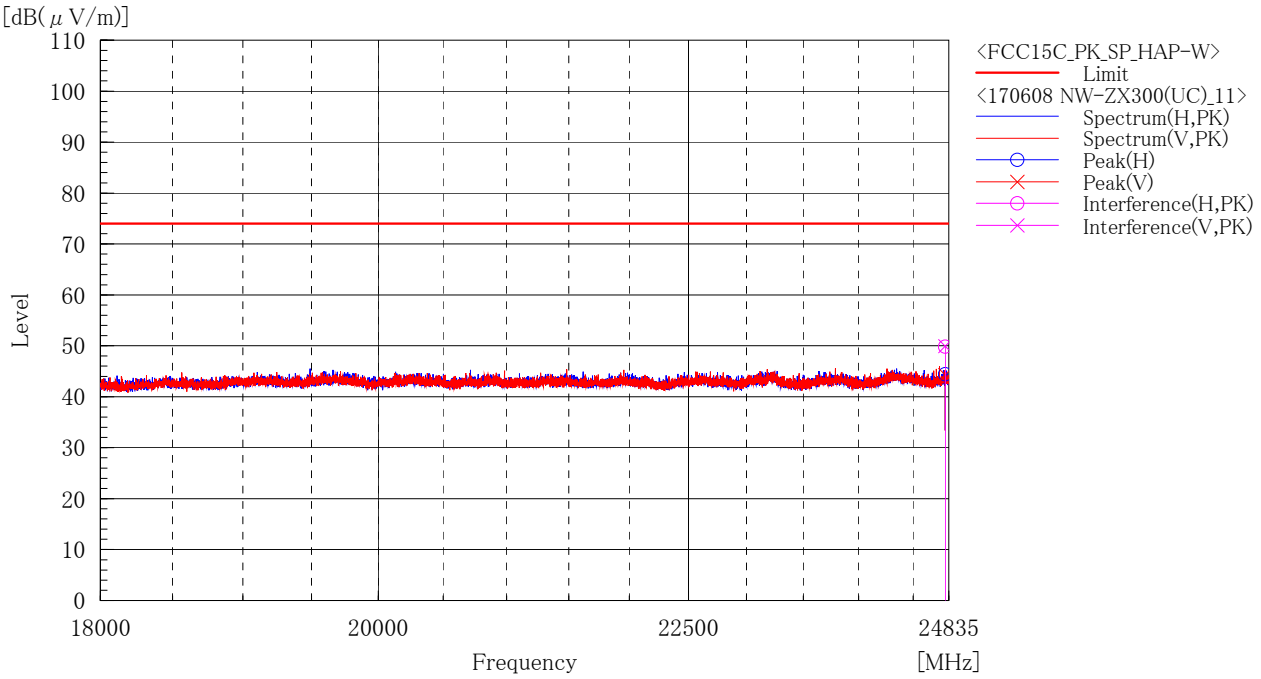
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	21968.932	46.1	2.9	49.0	74.0	25.0	365.6	185.3

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24800.636	47.6	2.2	49.8	74.0	24.2	136.0	206.2

--- Vertical Polarization (PK)---

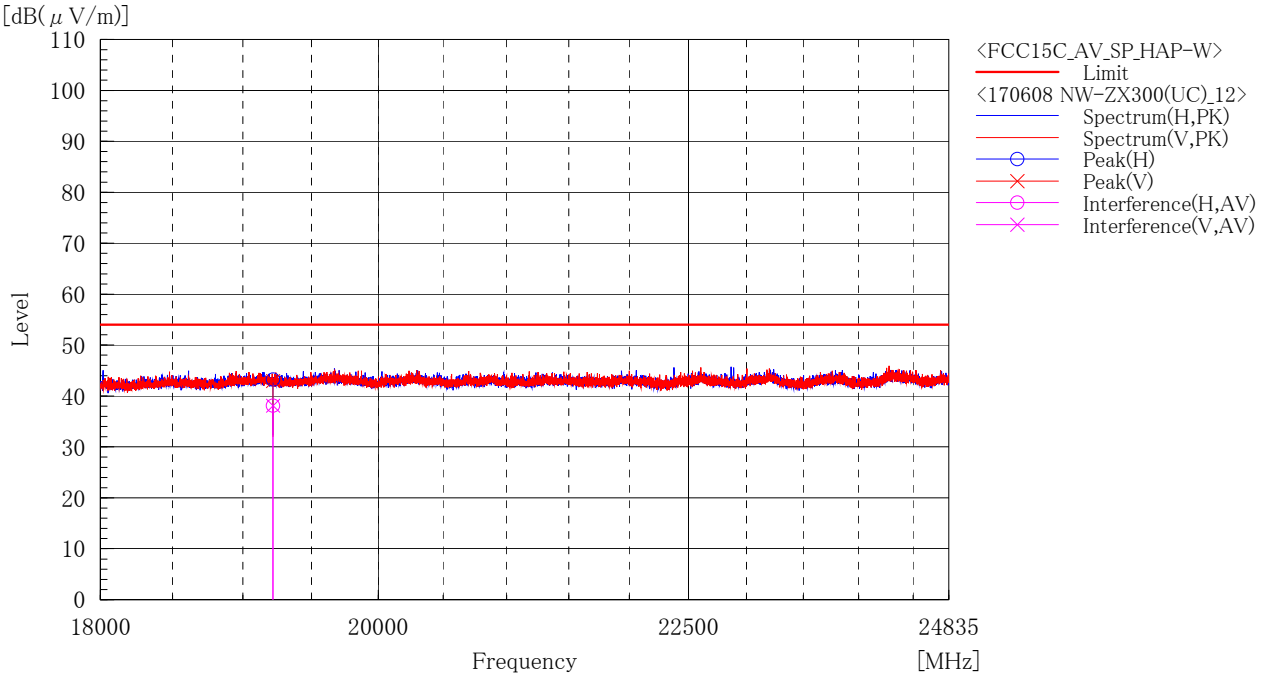
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24799.304	47.8	2.2	50.0	74.0	24.0	201.4	347.3

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19217.026	34.6	3.5	38.1	54.0	15.9	179.8	233.3

--- Vertical Polarization (AV)---

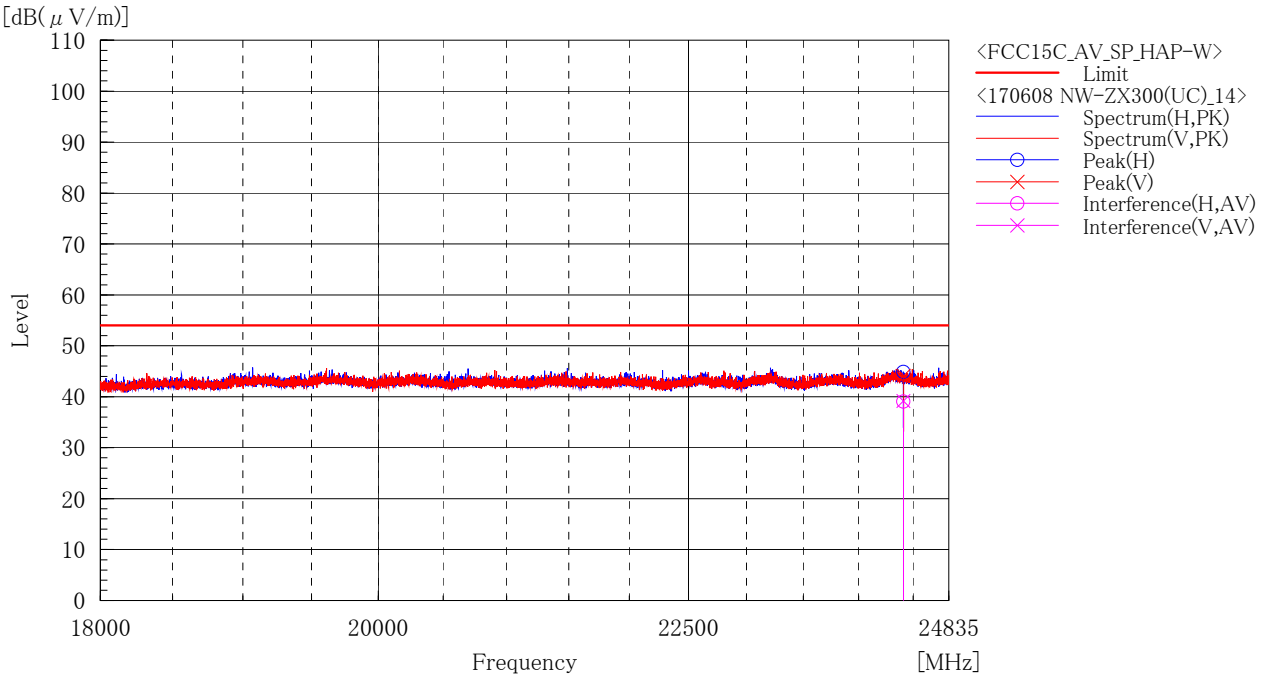
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19217.404	34.6	3.5	38.1	54.0	15.9	172.0	207.4

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.380	36.9	2.2	39.1	54.0	14.9	117.7	210.4

--- Vertical Polarization (AV)---

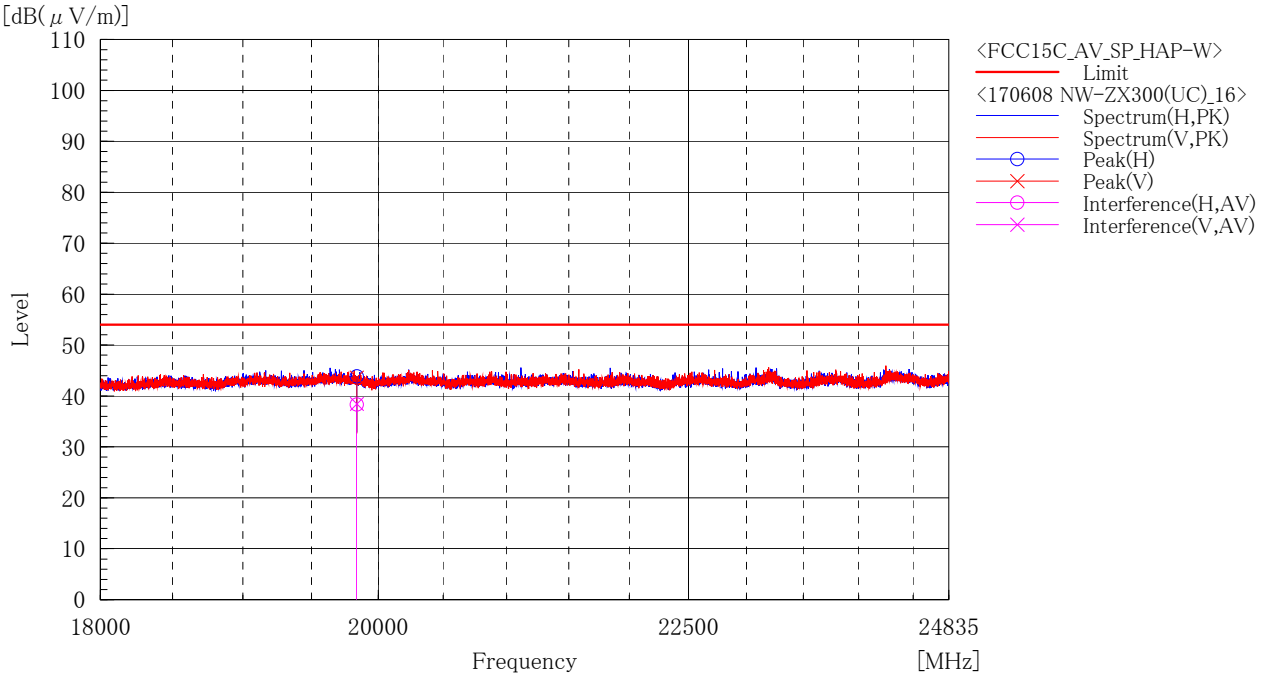
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.954	37.0	2.2	39.2	54.0	14.8	416.1	236.5

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19838.918	34.7	3.6	38.3	54.0	15.7	100.0	122.2

--- Vertical Polarization (AV)---

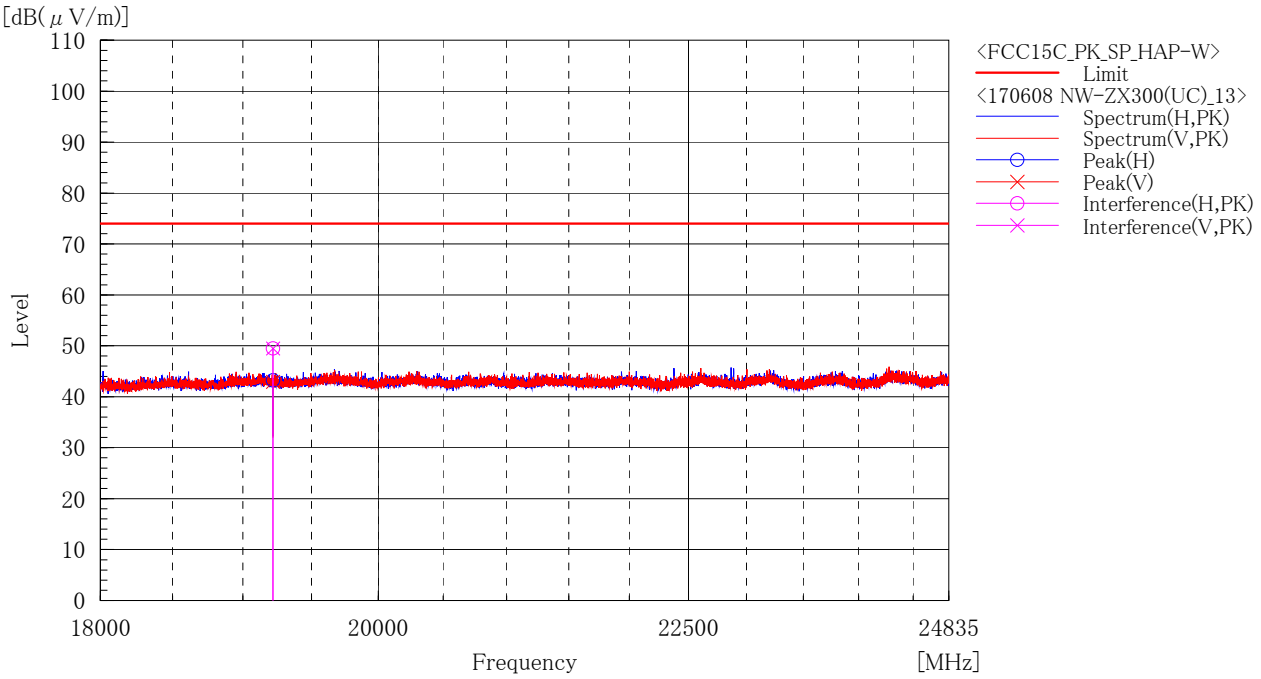
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19838.322	34.8	3.6	38.4	54.0	15.6	379.2	2.9

[EDR(3DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Low



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19217.564	46.0	3.5	49.5	74.0	24.5	179.8	232.2

--- Vertical Polarization (PK)---

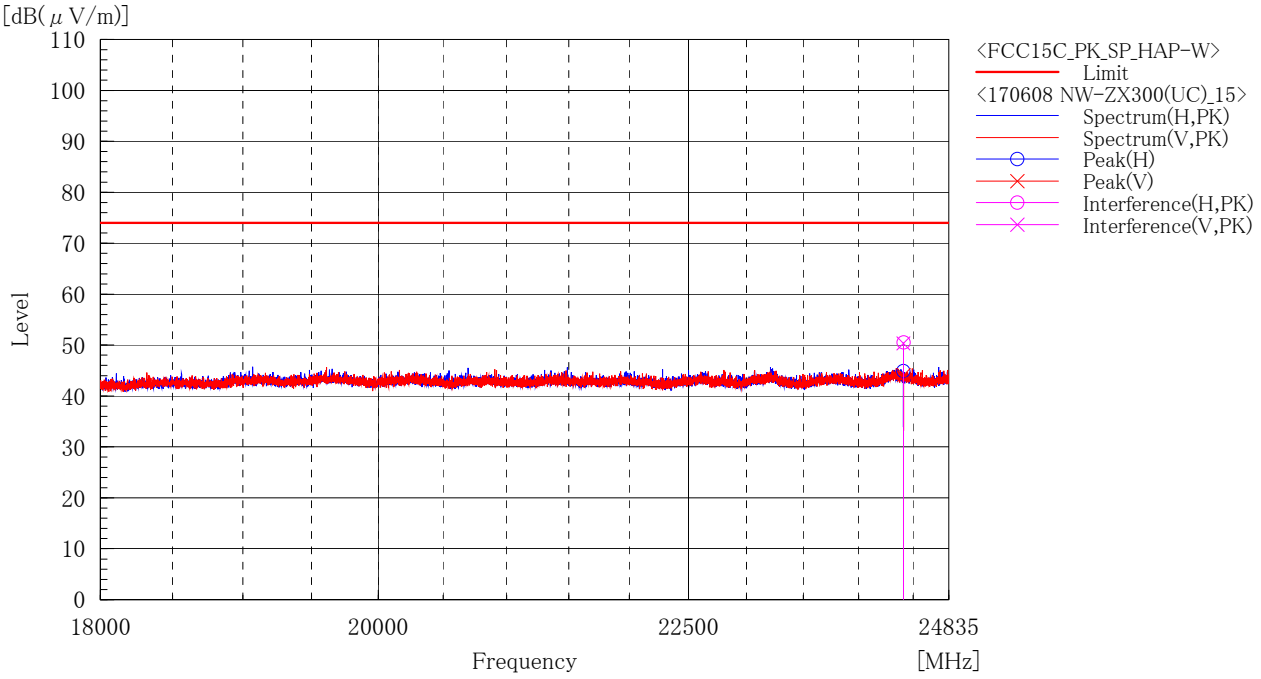
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19217.268	46.0	3.5	49.5	74.0	24.5	172.0	206.1

[EDR(3DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Mid



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	24411.166	48.3	2.2	50.5	74.0	23.5	117.7	210.4

--- Vertical Polarization (PK)---

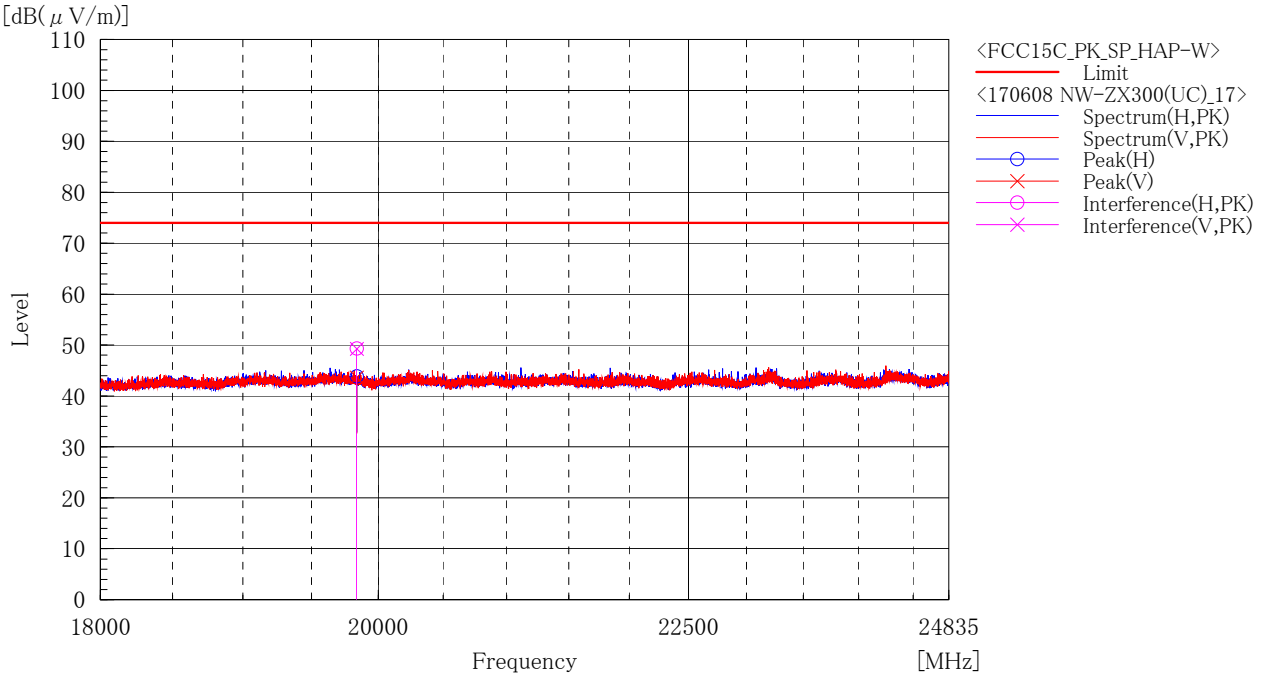
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	24410.698	48.2	2.2	50.4	74.0	23.6	416.1	236.5

[EDR(3DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: NW-ZX300	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 05	Remark1	:
Operator	: N.TAKANO	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH5
Temp./Hum.	: 25deg / 56%	Remark4	: Hi



Final Result

--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19838.832	45.7	3.6	49.3	74.0	24.7	100.0	122.2

--- Vertical Polarization (PK)---

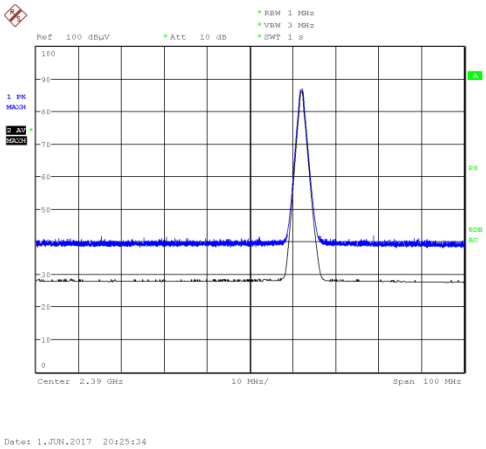
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	19838.226	45.7	3.6	49.3	74.0	24.7	379.2	4.9

2.4GHz Restricted-Band Edge (Plot data)

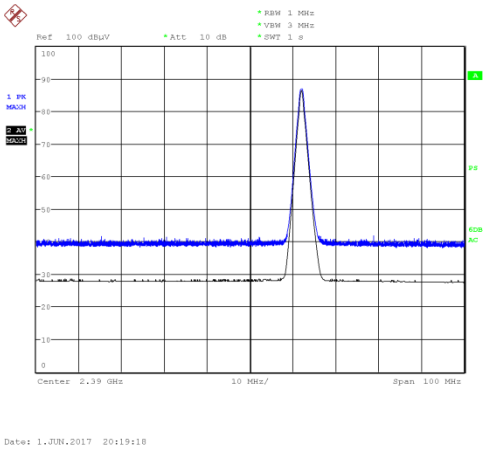
These plot data show peak (trace blue) and average (trace black) spectrum for worst case emissions in the restricted-band edges. (Restricted band edges: below 2390MHz and above 2483.5MHz)
The result of the final radiated emissions measurement refers in previous pages.

[BDR / 2402MHz]

Horizontal

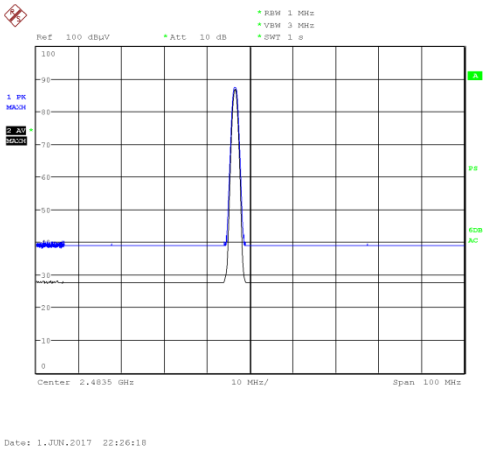


Vertical

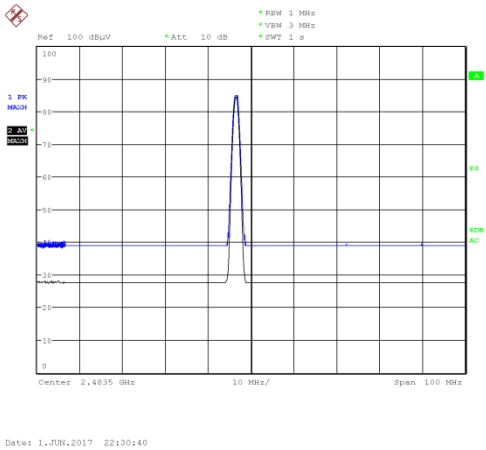


[BDR / 2480MHz]

Horizontal

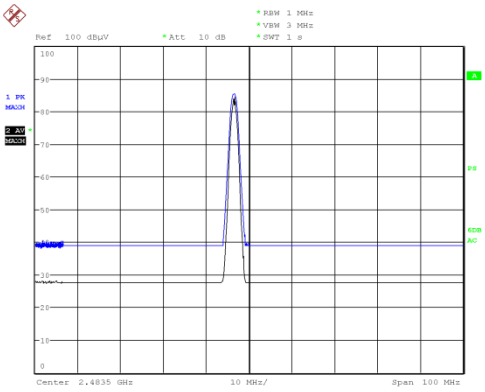


Vertical

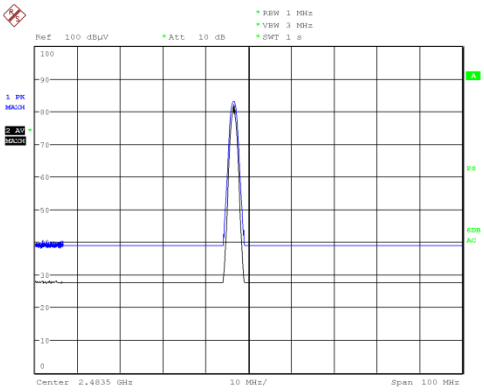


[EDR / 2402MHz]

Horizontal

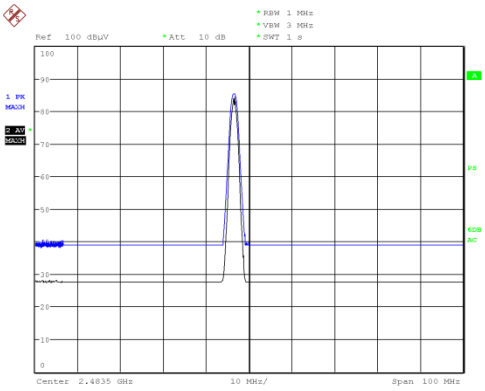


Vertical

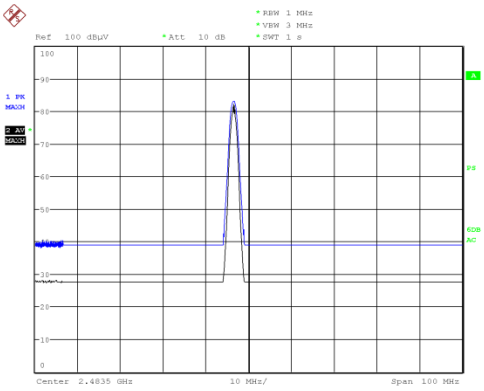


[EDR / 2480MHz]

Horizontal



Vertical

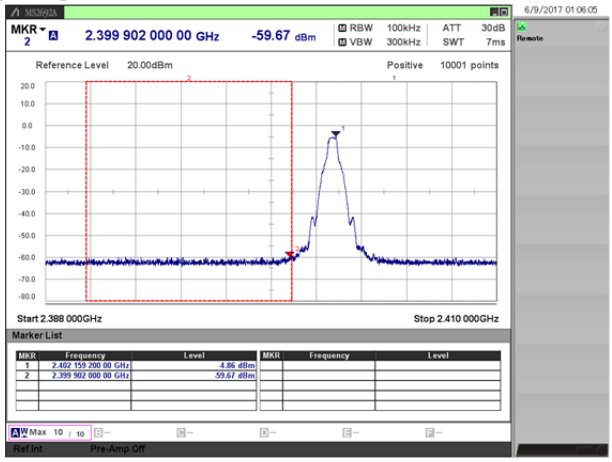


3.8. Conducted Spurious Emissions for Band Edge

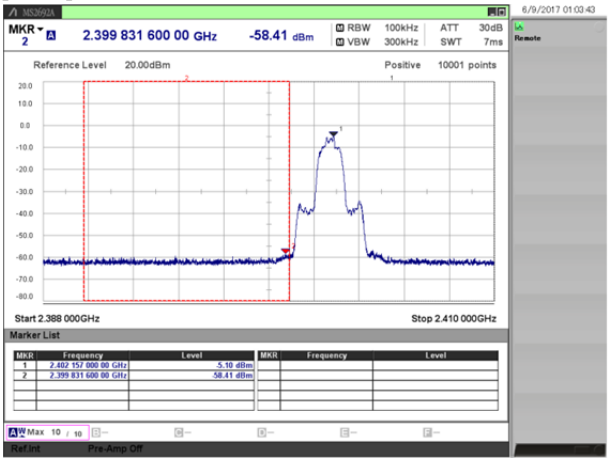
1) Ambient temperature : 24.3 deg.C
2) Relative humidity : 66.6 %
3) Date of measurement : June 08, 2017
4) Measured by : M. KOUGA
5) Operating mode : Transmitting mode

Mode		Channel [MHz]	Frequency [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result(PK) [dBm]	Limit [dBm]	Margin [dB]
BDR	DH5	2402	2399.90	-59.67	10.91	-48.76	-14.0	34.81
			2402.16	-4.86	10.91	6.05	-	-
EDR	3DH5	2402	2399.83	-58.41	10.91	-47.50	-14.2	33.31
			2402.16	-5.10	10.91	5.81	-	-

[BDR]



[EDR]



4. Method of Calculation

4.1. AC Power-line Conducted Emissions Measurement

Method of calculation		: Software
The Software for Calculation	Name	: EP5/ CE
	Version	: Ver5.0.0

Test Result [dBuV] = Meter Reading [dBuV] + C.F. [dB]

Notes :

(a) Meter Reading : Reading of the EMI test receiver.
(b) C.F. : System Loss + Correction Factor of LISN

4.2. Time of Occupancy (Dwell Time) Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.1

Test Result [msec] = Dwell Time [msec] * Cycle [time] * 31.6 [sec] / Sweep Time [sec]

Notes :

(a) Dwell Time : Transmission duration of 1 hopping.
(b) Cycle : Number of hopping appearances on the spectrum analyzer.
(The average of 5 measurements if it is random hopping equipment)
(c) 31.6 : 0.4 [sec] * Number of Hopping Frequencies(79)
(d) Sweep Time : Sweep time settings on the spectrum analyzer.

4.3. Maximum Peak Conducted Output Power Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.1

Test Result [dBm] = Meter Reading [dBm] + C.F. [dB]
Duty Cycle [%] = Tx ON Time / (Tx ON Time + Tx OFF Time) * 100

Notes :

(a) Meter Reading : Reading of the spectrum analyzer.
(b) C.F. : System Cable Loss + EUT Cable Loss

4.4. Radiated Spurious Emission Measurement

Method of calculation		: Software
The Software for Calculation	Name	: V-Scan
	Version	: Ver.4.0.30

Test Result [dBuV/m] = Meter Reading [dBuV] + C.F. [dB/m]

Notes :

(a) Meter Reading : Reading of the EMI test receiver or spectrum analyzer.

(b) C.F. : ☒ Antenna Factor (including Balun Loss) + System GainLoss

: ☐ Antenna Factor (including Balun Loss) + System GainLoss + 20 log (3 m/ 10 m)

4.5. Conducted Spurious Emission for Band Edge Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.1

Test Result [dBm] = Meter Reading [dBm] + C.F. [dB]

Notes :

(a) Meter Reading : Reading of the spectrum analyzer.

(b) C.F. : System Cable Loss + EUT Cable Loss

5. List of Test Equipment

All test results are traceable to the national and/or international standards.

5.1. AC Power-line Conducted Emissions

4th Site Shielded Room

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	-	Shield Room	-	-	TDK	-	-
x	M515	EMI Receiver	ESCI	100606	Rohde & Schwarz	12	16.08.04
x	CS043	4th Site CE Cable SYSTEM	-	-	EMC/RF Test Lab.	12	17.01.16
x	M664	6dB Attenuator	6806.01A	N/A	HUBER+SUHNER AG	12	17.01.16
x	M619	HIGH FREQUENCY FUSE	MP612A	N/A	Anritsu	12	17.01.16
x	M514	LISN (for EUT)	ENV216	100424	Rohde & Schwarz	12	17.05.09
x	M690	Thermometer	AD-5640A	201304	AND	12	16.11.07

5.2. Antenna-port Conducted Measurements

4th Site Shielded Room

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	-	Shield Room	B83117-B2432-T161	P26428	Albatross Project	-	-
x	W100	Spectrum Analyzer	MS2692A	6201338954	Anritsu	12	17.04.14
x	W006	Power Meter	N1911A	MY50000295	Keysight Technologies	12	16.10.03
x	W007	Power Sensor	N1922A	MY50180022	Keysight Technologies	12	16.10.03
x	W029	10dB Attenuator	8493C	76549	Keysight Technologies	12	16.08.01
x	WC05	RF Cable	SUCOFLEX 102	34287	HUBER + SUHNER	12	16.11.04
x	M720	Thermometer	TH-321	140044	AS ONE	12	17.06.09

5.3. Radiated Spurious Emissions

EMC Site 3m Semi-Anechoic Chamber

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	M115	Semi-Anechoic Chamber	-	7D1-8A11	Otsuka Science	12	17.05.31
x	M686	EMI Receiver	N9038A	MY52260113	Keysight Technologies	12	16.12.08
x	M486	EMI Receiver	ESU40	100050	Rohde & Schwarz	12	17.05.30
x	A073	Loop Antenna	HFH2-Z2	100171	Rohde & Schwarz	12	16.10.04
x	A089	Biconical Antenna	BBA9106	VHA91032835	Schwarzbeck	12	17.01.15
x	A088	Log periodic Antenna	UHALP9108A1	0643	Schwarzbeck	12	17.01.15
x	A064	Horn Antenna	BBHA9120D	746	Schwarzbeck	12	17.01.14
x	A078	Horn Antenna	HAP06-18W	00000070	TOYO Corporation	12	17.02.20
x	A058	Horn Antenna	HAP18-26W	00000016	TOYO Corporation	12	17.02.13
x	CS017	N-RE Cable SYSTEM 1	-	-	EMC/RF Test Lab.	12	17.01.13
x	CS018	N-RE Cable SYSTEM 2	-	-	EMC/RF Test Lab.	12	17.01.13
x	CS045	N-3m EMF Cable SYSTEM	-	-	EMC/RF Test Lab.	12	17.01.13
x	CS074/075	N-RE Cable SYSTEM 4	-	-	EMC/RF Test Lab.	12	17.01.13
x	M126	Step Attenuator	8494H	3837M01144	Keysight Technologies	12	17.01.13
x	M752	Pre Amplifier	310N	320621	SONOMA INSTRUMENT	12	17.01.13
x	M128	Attenuator (3dB)	8491A	53541	Keysight Technologies	12	17.01.13
x	M609	Attenuator (3dB)	8491B	MY39265960	Keysight Technologies	12	17.01.13
x	M737	GHz Filter Box	FB-G1	001	Sony Global M&O	12	17.01.13
x	M687	Thermo Meter	AD-5640A	201301	A&D	12	16.10.06

About calibration interval

Valid until the end of the month listed in "Cal. Int." column.