RADIO TEST REPORT

(for Bluetooth classic)

Project No.	:	JB-Z0406
Client	:	Sony Corporation
Address	:	1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Type of Equipment	:	Wireless Noise Canceling Stereo Headset
Model No.	:	WH-1000XM3
FCC ID	:	AK8WH1000XM3
Regulation Applied	:	47 CFR Part 15 Subpart C
Final Judgment	:	**Passed**
Sample Receipt	:	April 10, 2018
Testing	:	April 26, 2018 - May 2, 2018
Reported	:	May 7, 2018

Reported by :

T. Oho

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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	: Wireless Noise Canceling Stereo Headset
Trade Name	: SONY
Model No.	: WH-1000XM3
Serial No.	: 310, 316
Power Rating	: DC 3.7V (The EUT was supplied with the power from built-in battery)

Similar model(s) to be covered by this report

Model No.	: None

Radio specification

Function of the Equipment	: Transceiver
Operating Frequency	: 2402 - 2480MHz
Modulation Type	: FHSS (GFSK, π/4DQPSK, 8DPSK)
Channel Spacing	: 1MHz
Channel Bandwidth	: 1MHz
Number of channels	: 79
Antenna Type	: Chip Antenna
Antenna connector Type	: None
Antenna Gain	: 1.6 dBi
Operating Temperature	: +0 to +40 deg.C

1.2. Summary of Test Result

Test Item	Worst Margin	Test Frequency band	Results
AC Power-line Conducted Emissions	-	150 kHz - 30 MHz	N/A *2
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	26.45 dB	Carrier	Complied
Radiated Spurious Emissions	13.2 dB (AV) 4804.027 MHz Vertical	9 kHz - 25 GHz (excluding carrier and band edge)	Complied
Conducted Spurious Emissions for Band Edge *1	15.97 dB 2400.00 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.

*2: This item was not applied to the EUT since its transmission is stopped when the battery is being charged by the AC Adaptor connected to AC Power-line.

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
Test Method : ANSI C63.10 - 2013
DA 00-705 (March 30, 2000)

Test Condition
Radiated Spurious Emissions
Test Distance : ☒ 3 m ☐ 10m (9kHz - 30 MHz)
☒ 3 m ☐ 10m (30 - 1000 MHz)
☒ 3 m (1 - 25 GHz)
Dimensions of the EUT table : 0.8m (below 1GHz) or 1.5m (above 1GHz) height, 2m 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

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;

	9kHz - 30MHz	30MHz - 1000MHz	1 GHz - 25 GHz
Antenna	Loop Antenna	Bi-conical Antenna, Log-periodic Antenna	Horn Antenna
Antenna scanning range	1m, Vertical, 360 degrees	1 - 4m, Horizontal and Vertical	1 - 4m *, 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	1 GHz - 25 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 (-20dBc) 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 - 30MHz	30 MHz - 25 GHz
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 (100kHz / 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

Radiated Spurious Emission

Semi-Anechoic chamber

☒ 4th 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:

A2LA Certificate No. : 3203.01
Cert. Validated Date : 31 Oct 2019

1.6. Uncertainty

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

Test Item	Frequency	Distance	4th Site
AC Power-line Conducted Emissions	150kHz - 30MHz	-	± 3.34 dB
Radiated Emissions	9 kHz - 30 MHz	3m	± 3.12 dB
	30 - 300 MHz	3m	± 5.26 dB
	300 - 1000 MHz	3m	± 4.37 dB
	1 - 7 GHz	3m	± 4.90 dB
	7 - 18 GHz	3m	± 5.50 dB
	18 - 25 GHz	3m	± 5.63 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
Carrier Frequency Separation, Number of Hopping Frequencies, Time of Occupancy (Dwell Time)	BDR	DH5	Hopping ON
	EDR	3DH3	
20dB Bandwidth, Maximum Peak Conducted Output Power, Radiated Spurious Emissions	BDR	DH5	2402MHz, 2441MHz, 2480MHz
	EDR	3DH3	
Conducted Spurious Emissions for Band Edge	BDR	DH5	2402MHz
	EDR	3DH3	

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.

The Software for Operating Mode Nam : BlueSuite
Version : 2.5.8

Special accessories needed for connecting the EUT to achieve compliance:

Item	Manufacturer	Model No.	Serial No.	Remark
Personal Computer	SONY	PCG-71611N	1006554	-
AC Adaptor	SONY	VGP-AC19V41	148753032 0255555	-

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	Wireless Noise Canceling Stereo Headset	SONY	WH-1000XM3	316

Support equipment for operation

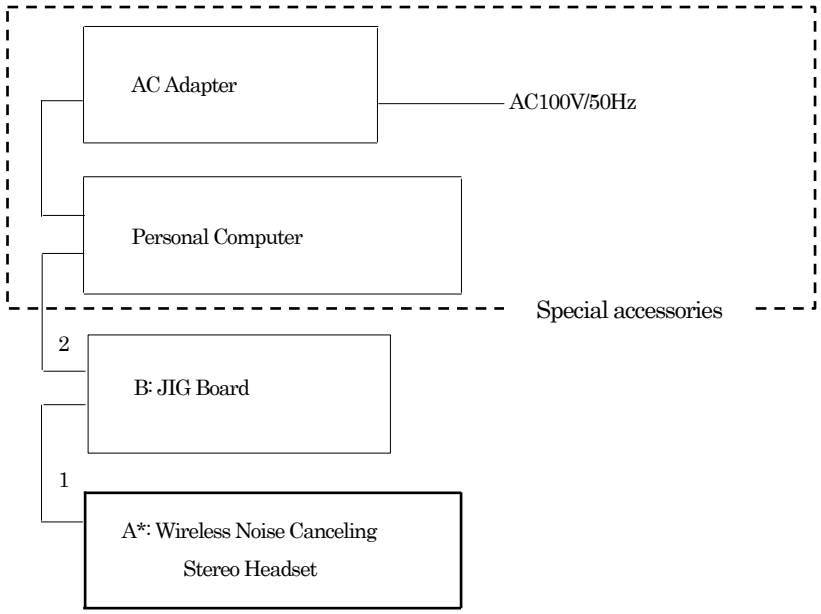
Symbol	Item	Manufacturer	Model No.	Serial No.
B	JIG Board	-	B to B jig	-

Type of cable

Symbol	Description	Identification (Manufacturer etc.)	Shielded YES / NO	Ferrite Core	Length (m)	Bundled
1	USB Cable	-	YES	NO	0.5	-
2	USB Cable	-	YES	NO	1.0	-

System configuration

*: EUT



Radiated Spurious Emissions Measurement

The equipment under test (EUT)

Symbol	Item	Manufacturer	Model No.	Serial No.
A	Wireless Noise Canceling Stereo Headset	SONY	WH-1000XM3	310

Support equipment for operation

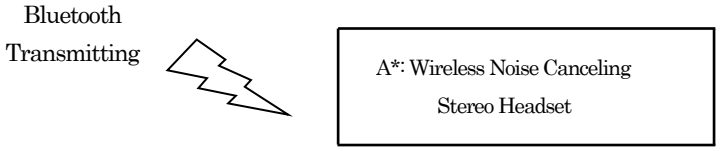
Symbol	Item	Manufacturer	Model No.	Serial No.
-	-	-	-	-

Type of cable

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

System configuration

*: EUT



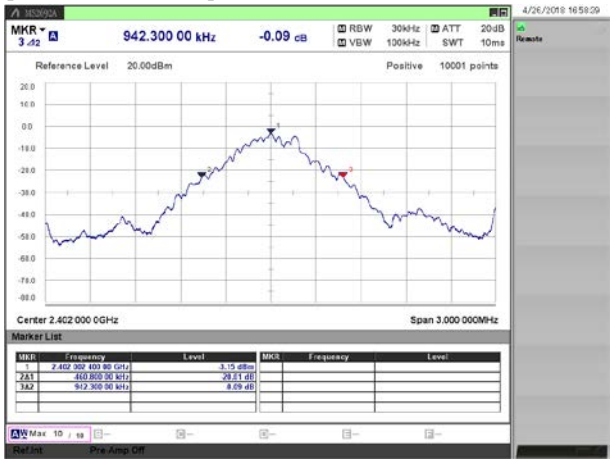
3. Test Data

3.1. 20dB Bandwidth

1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

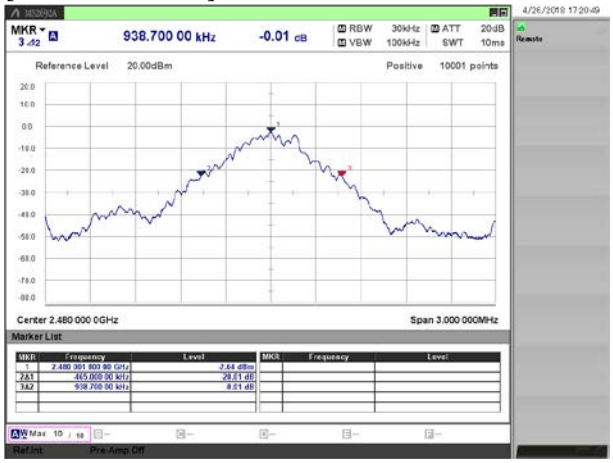
Mode		Channel [MHz]	Result [MHz]	Limit [MHz]
BDR	DH5	2402	0.942	-
		2441	0.937	-
		2480	0.939	-
EDR	3DH3	2402	1.250	-
		2441	1.248	-
		2480	1.250	-

[BDR / 2402MHz]

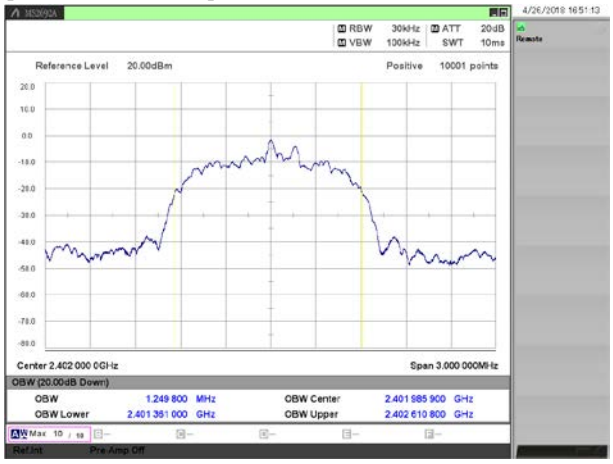


[BDR / 2441MHz]

[BDR / 2480MHz]

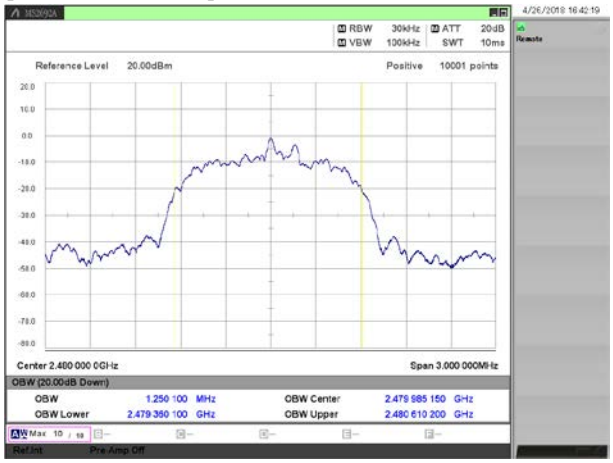


[EDR / 2402MHz]



[EDR / 2441MHz]

[EDR / 2480MHz]



3.2. Carrier Frequency Separation

1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode		Reading [kHz]	Limit [kHz]
BDR	DH5	1041.9	≧ 628.2
EDR	3DH3	991.5	≧ 833.4

[BDR]

[EDR]

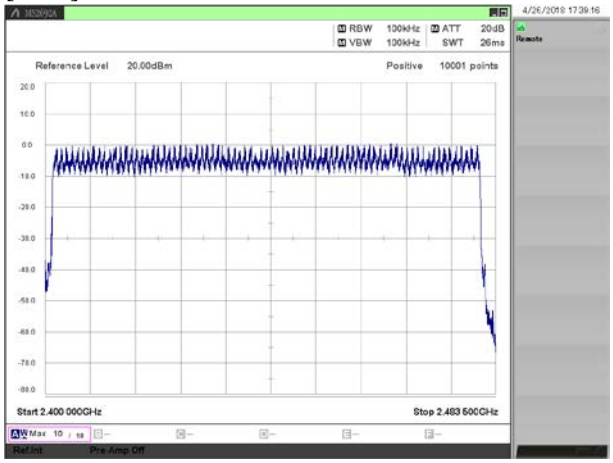
3.3. Number of Hopping Frequencies

1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode		Number [channel]	Limit [channel]
BDR	DH5	79	≧ 15
EDR	3DH3	79	≧ 15

[BDR]

[EDR]

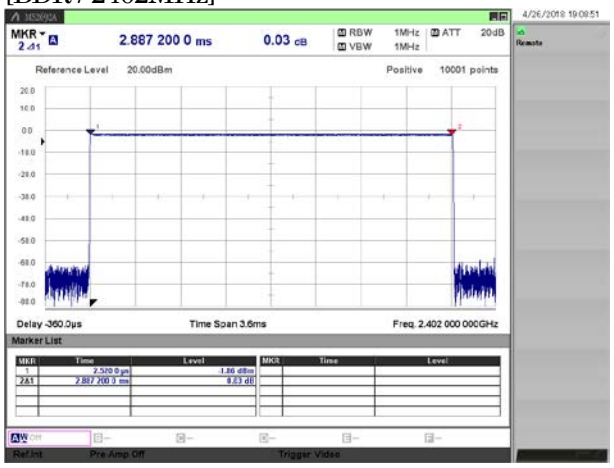


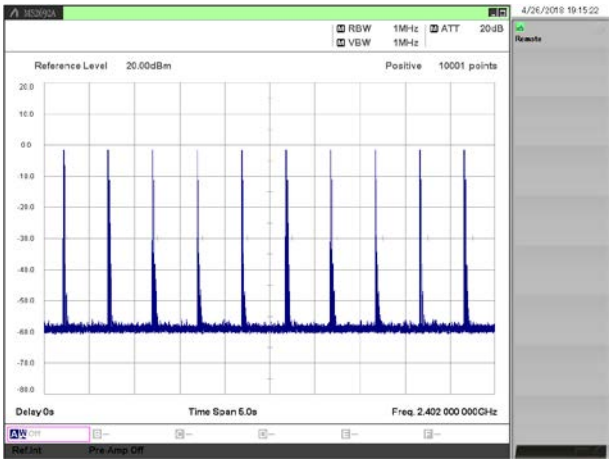
3.4. Time of Occupancy (Dwell Time)

1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

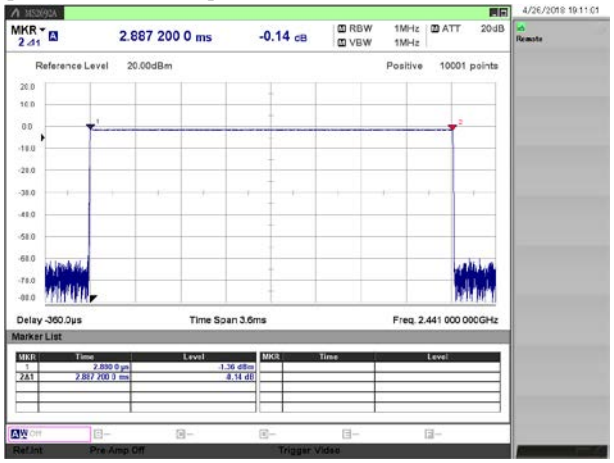
Mode		Channel [MHz]	Dwell Time [msec]	Cycle [time]	Result [msec]	Limit [msec]
BDR	DH5	2402	2.89	10.0	182.5	≦ 400.0
		2441	2.89	10.0	182.5	≦ 400.0
		2480	2.89	10.0	182.5	≦ 400.0
EDR	3DH3	2402	1.65	13.0	135.7	≦ 400.0
		2441	1.65	13.0	135.6	≦ 400.0
		2480	1.65	13.0	135.6	≦ 400.0

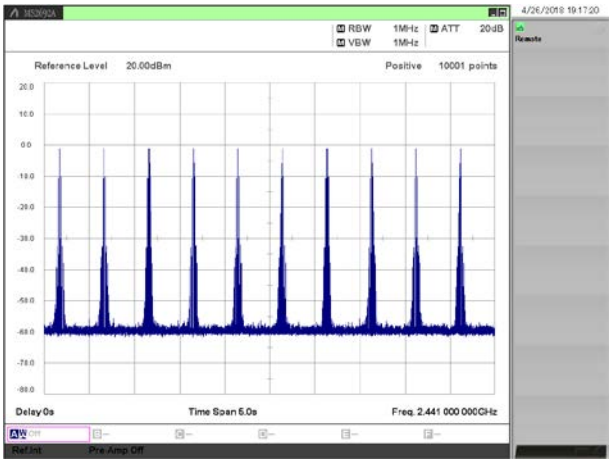
[BDR / 2402MHz]



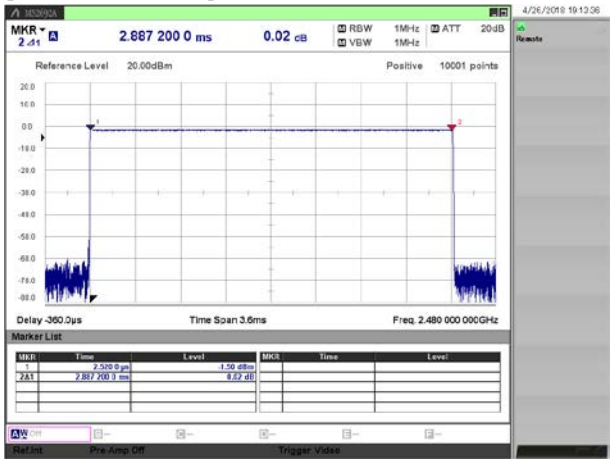


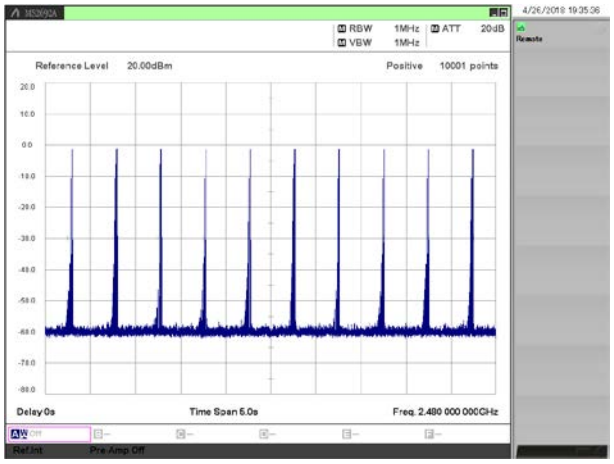
[BDR / 2441MHz]



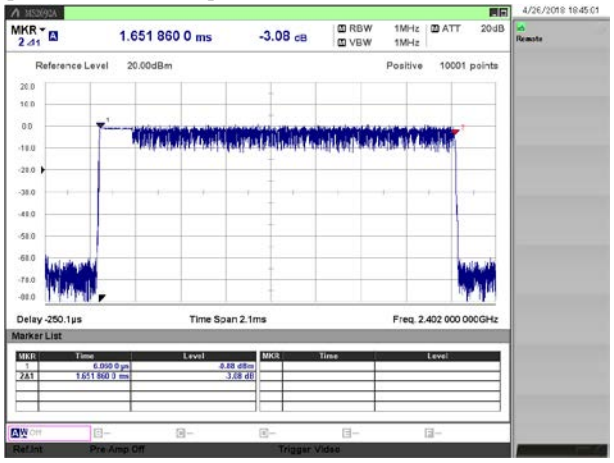


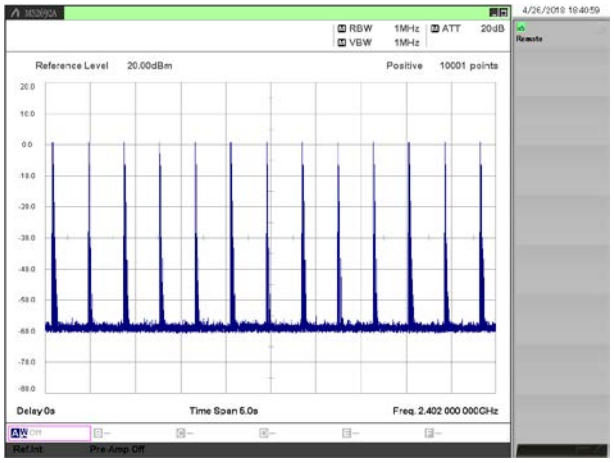
[BDR / 2480MHz]



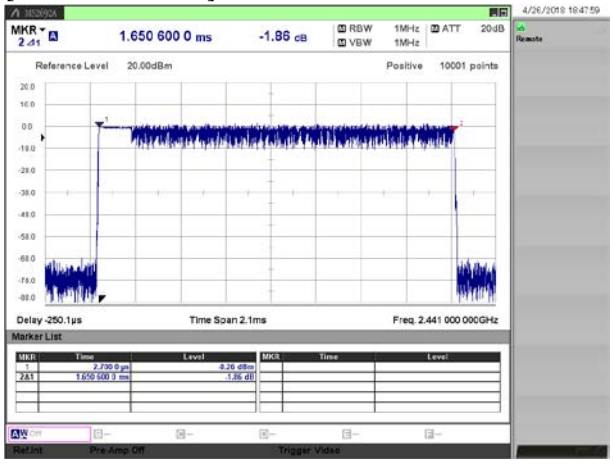


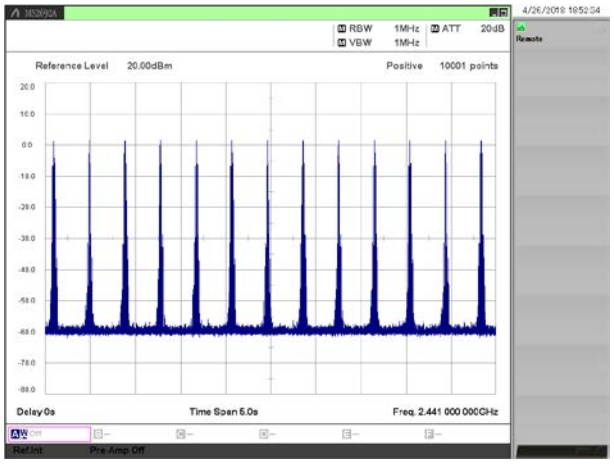
[EDR / 2402MHz]



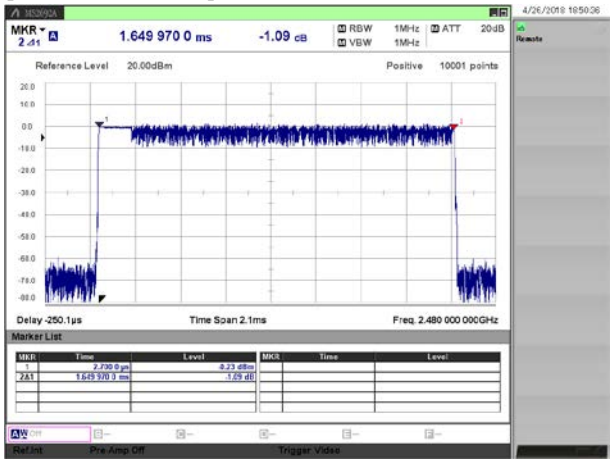


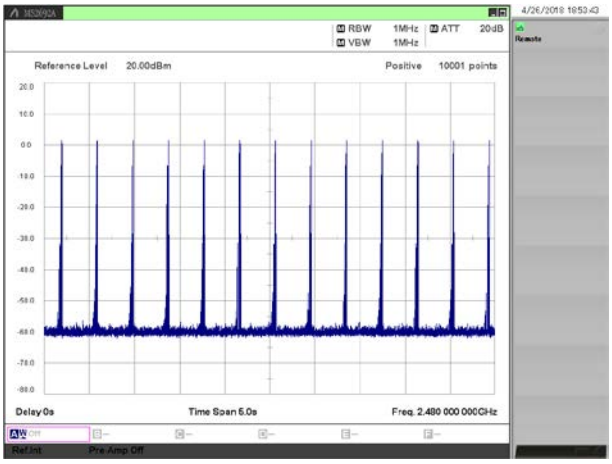
[EDR / 2441MHz]





[EDR / 2480MHz]


MKR
1.649 970 0 ms
-1.09 dB
RBW 1MHz
VBW 1MHz
ATT 20dB
Reference Level 20.00dBm
Positive 10001 points
Delay -250.1µs
Time Span 2.1ms
Freq. 2.480 000 000GHz
Marker List


RBW 1MHz
VBW 1MHz
ATT 20dB
Reference Level 20.00dBm
Positive 10001 points
Delay 0s
Time Span 5.0s
Freq. 2.480 000 000GHz

3.5. Maximum Peak Conducted Output Power

1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
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	-0.66	0.53	-0.13	0.00097	30.0	1.0	30.13
		2441	-0.38	0.53	0.15	0.00104	30.0	1.0	29.85
		2480	-0.24	0.53	0.29	0.00107	30.0	1.0	29.71
EDR	2DH3	2402	1.93	0.53	2.46	0.00176	30.0	1.0	27.54
		2441	2.39	0.53	2.92	0.00196	30.0	1.0	27.08
		2480	2.72	0.53	3.25	0.00211	30.0	1.0	26.75
	3DH3	2402	2.38	0.53	2.91	0.00195	30.0	1.0	27.09
		2441	2.83	0.53	3.36	0.00217	30.0	1.0	26.64
		2480	3.02	0.53	3.55	0.00226	30.0	1.0	26.45

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	-4.69	0.53	3.43	-0.73	0.00085
		2441	-4.33	0.53	3.43	-0.37	0.00092
		2480	-4.21	0.53	3.43	-0.25	0.00094
EDR	2DH3	2402	-6.17	0.53	4.83	-0.81	0.00083
		2441	-5.70	0.53	4.83	-0.34	0.00092
		2480	-5.40	0.53	4.83	-0.04	0.00099
	3DH3	2402	-6.17	0.53	4.83	-0.81	0.00083
		2441	-5.72	0.53	4.83	-0.36	0.00092
		2480	-5.40	0.53	4.83	-0.04	0.00099

Duty Cycle check

Mode		Channel [MHz]	T(on+off) [msec]	T(on) [msec]	Duty Cycle [%]
BDR	DH1	2441	1.250	0.381	30.48
	DH3	2441	3.750	1.630	43.47
	DH5	2441	6.250	2.840	45.44
EDR	2DH1	2441	1.250	0.400	32.00
	2DH3	2441	4.990	1.640	32.87
	2DH5	2441	12.500	2.870	22.96
	3DH1	2441	1.250	0.400	32.00
	3DH3	2441	4.990	1.640	32.87
	3DH5	2441	12.500	2.870	22.96

3.6. Radiated Spurious Emissions

1) Date of measurement

9kHz - 30MHz	: May 2, 2018	(all mode)	
30MHz - 1000MHz	: May 2, 2018	(all mode)	
1GHz - 7GHz	: May 1, 2018	(all mode)	May 1, 2018 (band edge plot data)
7GHz - 18GHz	: May 2, 2018	(all mode)	
18GHz - 25GHz	: May 2, 2018	(all mode)	

9 kHz - 30 MHz

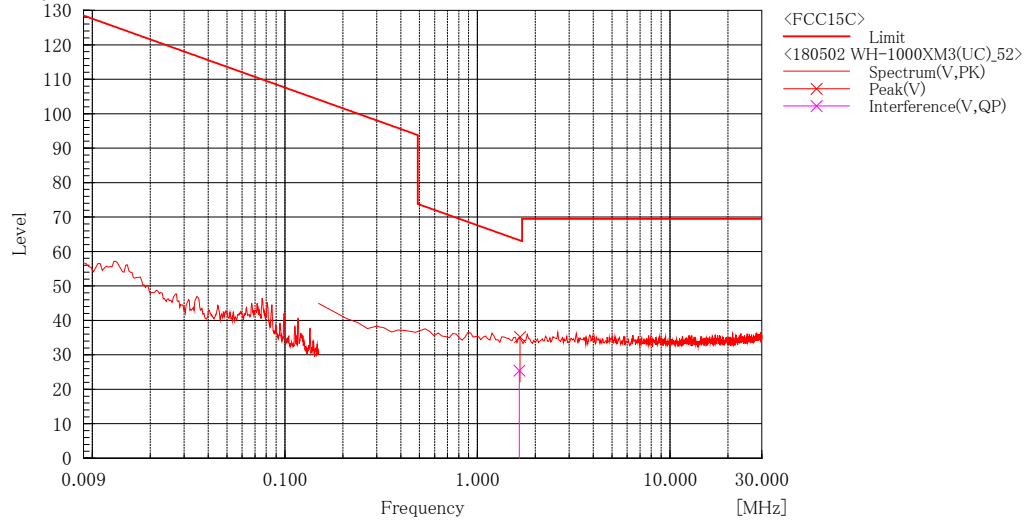
[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model : WH-1000XM3
Serial : 310
Operator : M.KOUGA
Power : DC 3.7V
Temp./Hum. : 24deg / 55%

Limit : FCC Part15C_15.209 (3m)
Remark1 : 0°
Remark2 : X
Remark3 : DH5
Remark4 : Low



Final Result

--- Vertical Polarization (QP)---

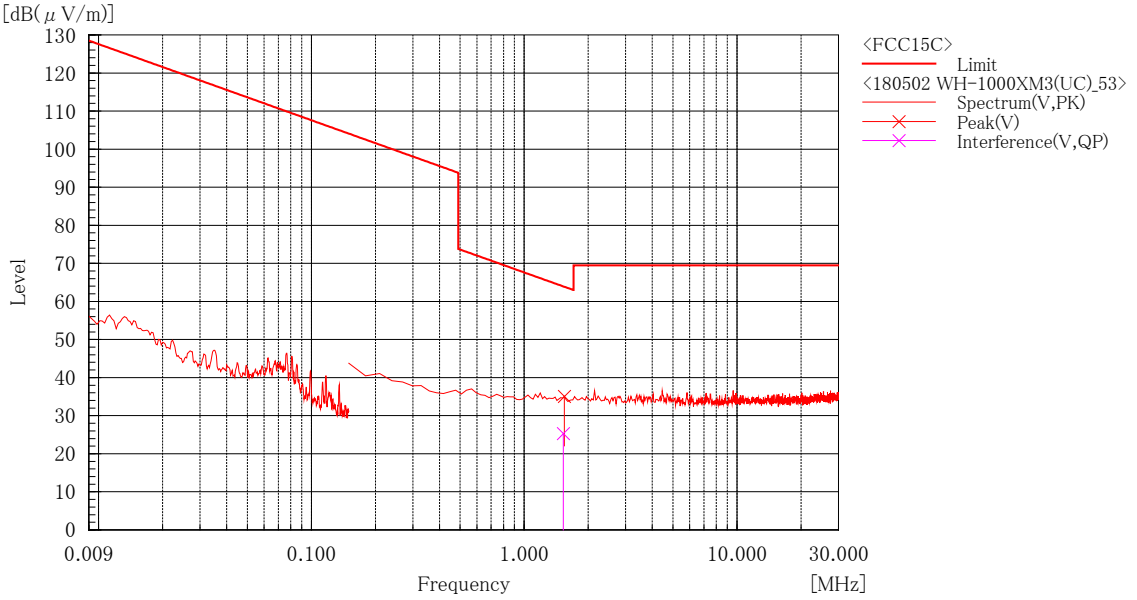
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.652	5.6	19.9	25.5	63.3	37.8	100.0	179.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C_15.209 (3m)
Serial	: 310	Remark1	: 0°
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: Mid



Final Result

--- Vertical Polarization (QP)---

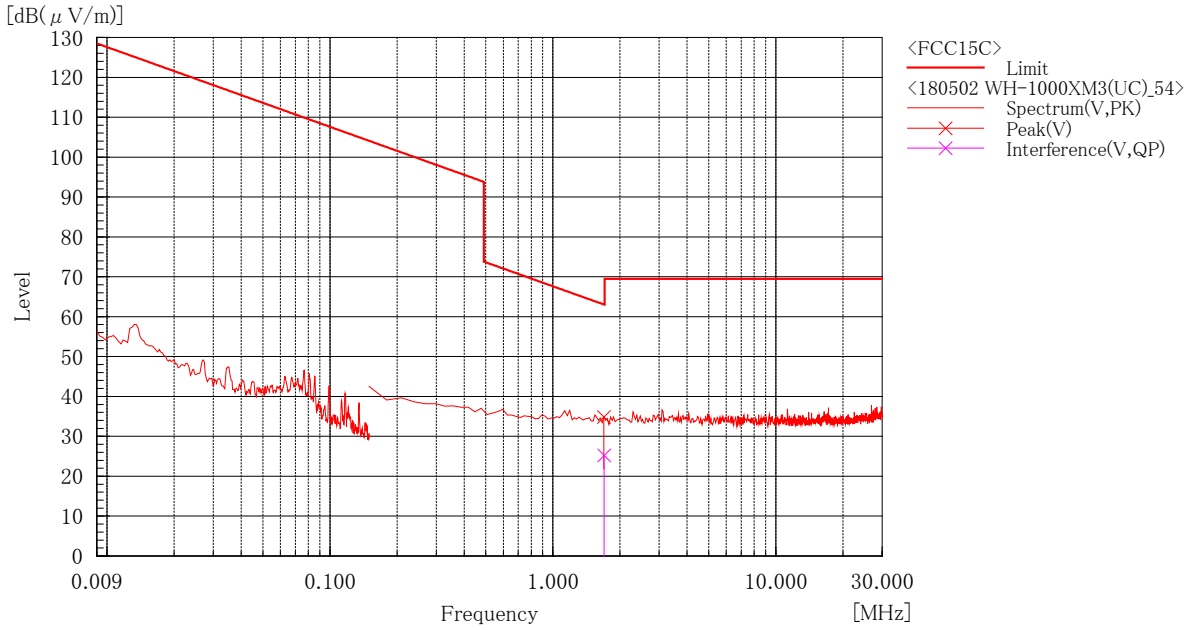
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.529	5.5	19.8	25.3	63.9	38.6	100.0	352.2

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C_15.209 (3m)
Serial	: 310	Remark1	: 0°
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



Final Result

--- Vertical Polarization (QP)---

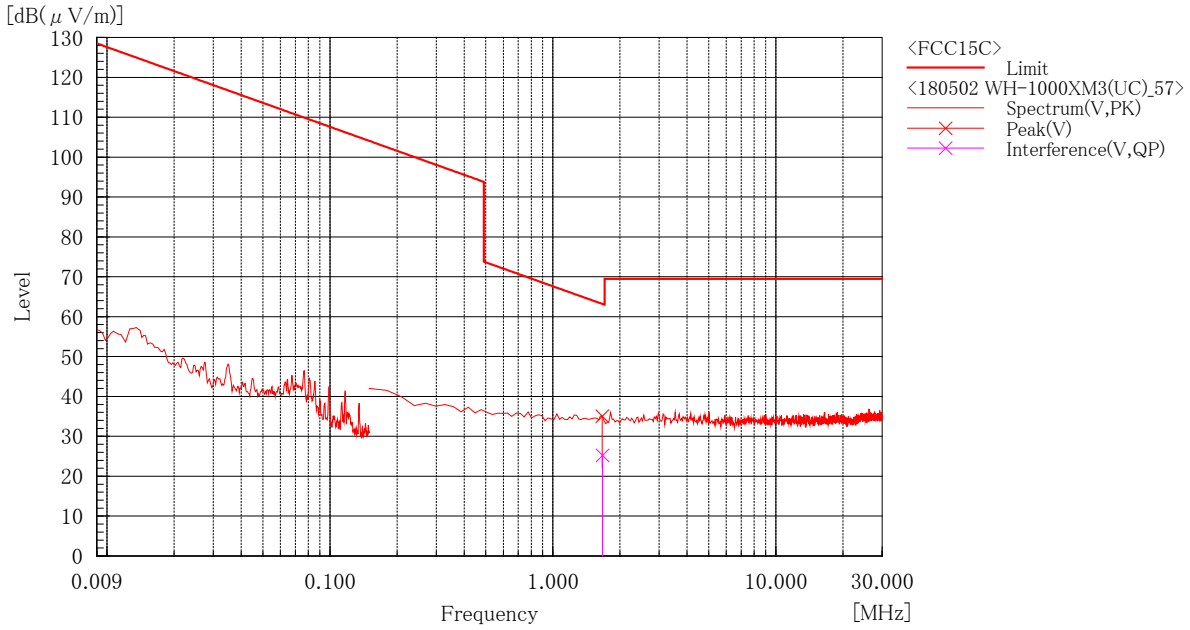
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.695	5.3	19.9	25.2	63.0	37.8	100.0	157.4

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C_15.209 (3m)
Serial	: 310	Remark1	: 0°
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: Low



Final Result

--- Vertical Polarization (QP)---

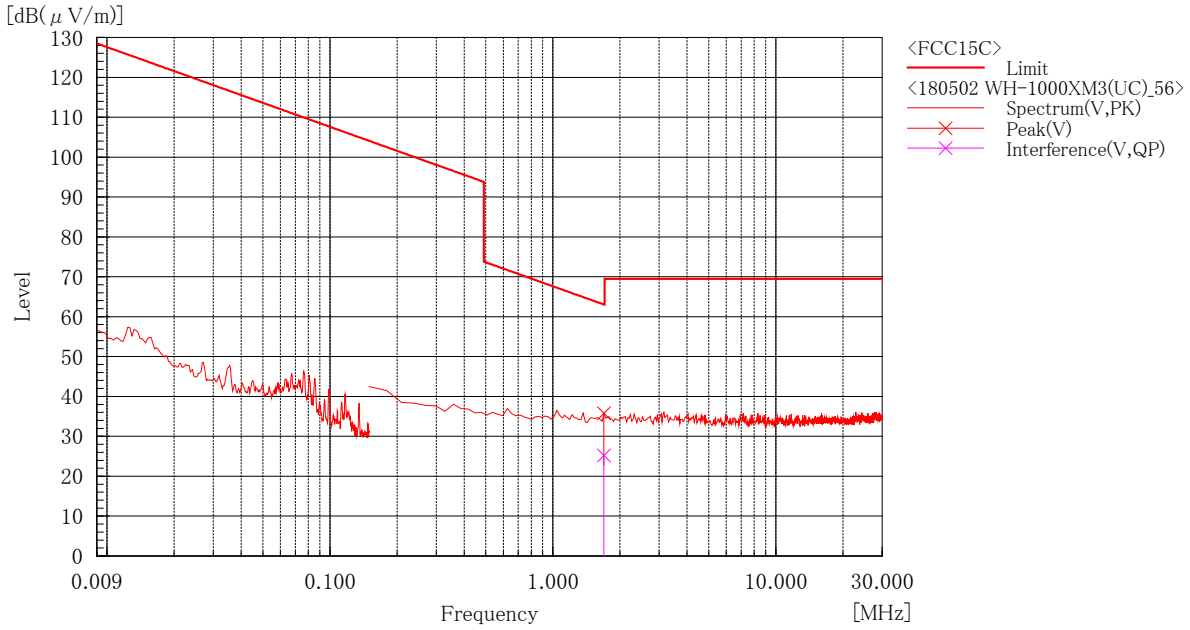
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.668	5.4	19.9	25.3	63.2	37.9	100.0	35.7

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C_15.209 (3m)
Serial	: 310	Remark1	: 0°
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: Mid



Final Result

--- Vertical Polarization (QP)---

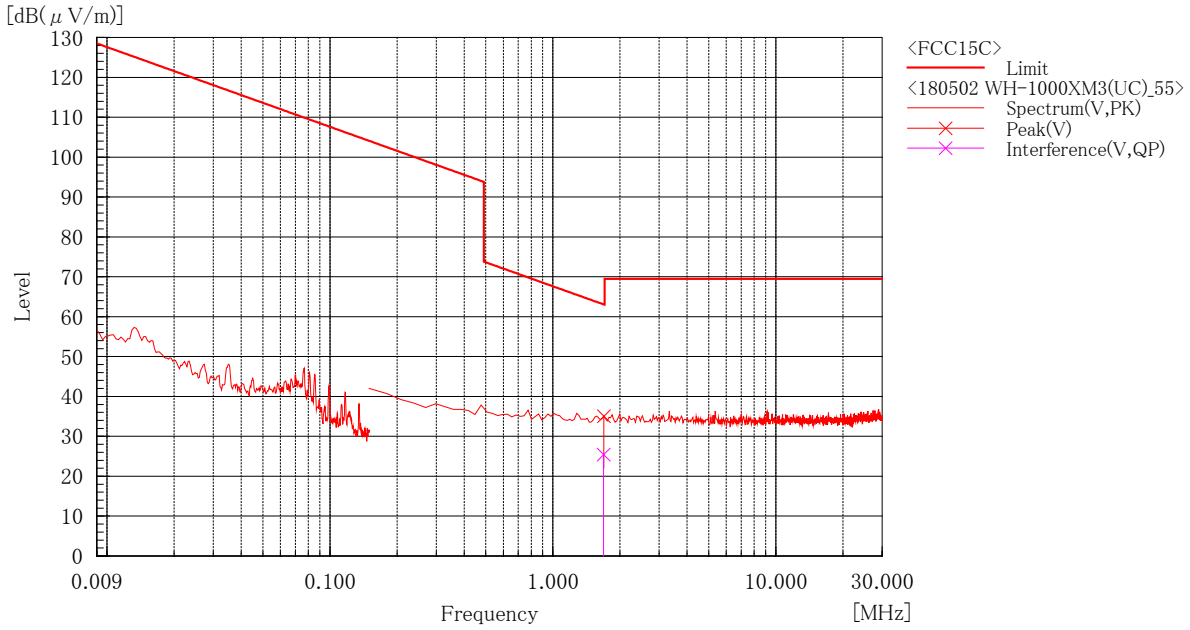
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.694	5.4	19.9	25.3	63.1	37.8	100.0	253.1

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C_15.209 (3m)
Serial	: 310	Remark1	: 0°
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	1.686	5.5	19.9	25.4	63.1	37.7	100.0	309.1

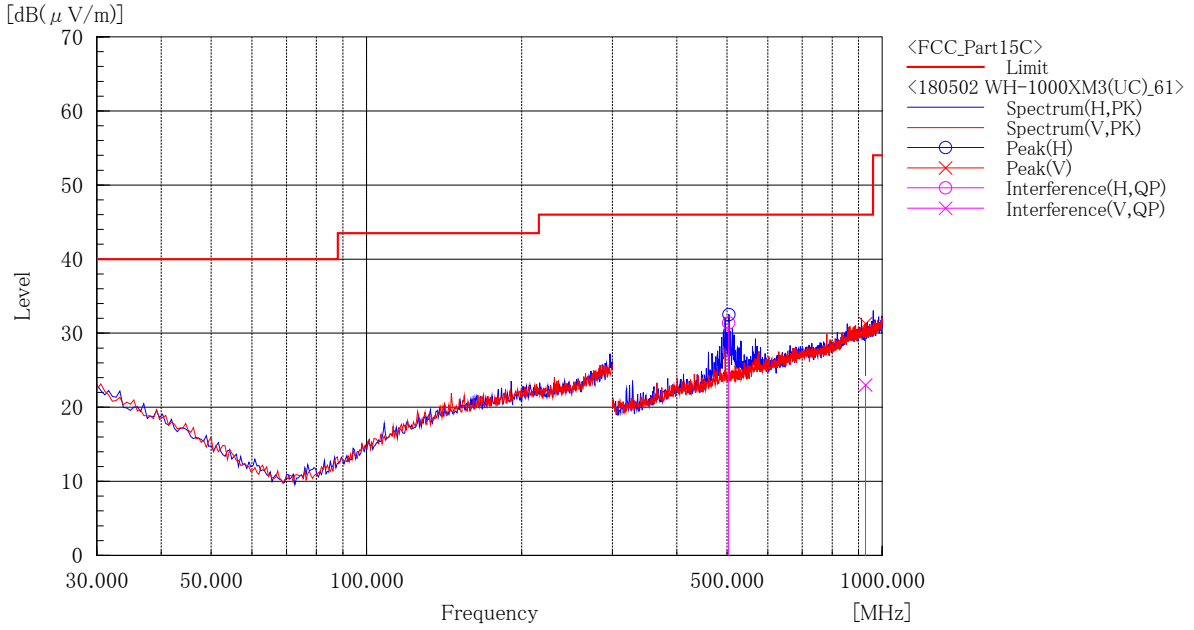
30 MHz - 1000 MHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	504.006	39.7	-8.3	31.4	46.0	14.6	177.2	320.1

--- Vertical Polarization (QP)---

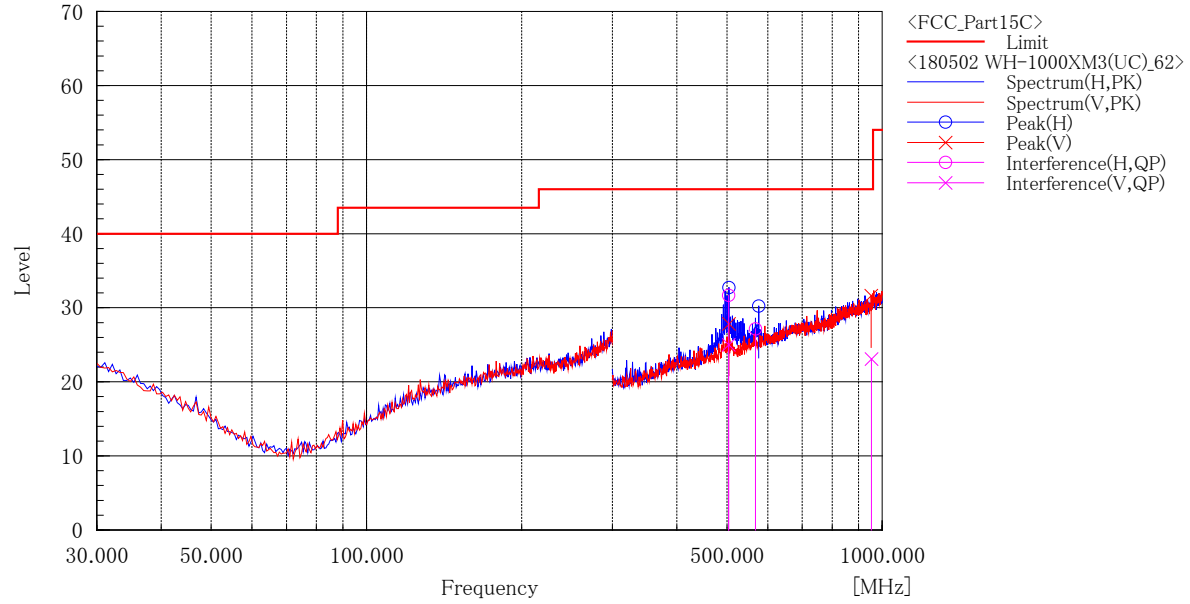
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	928.360	24.4	-1.4	23.0	46.0	23.0	188.2	136.9

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	504.004	40.0	-8.3	31.7	46.0	14.3	173.4	142.1
2	567.980	34.2	-7.0	27.2	46.0	18.8	150.9	149.6

--- Vertical Polarization (QP)---

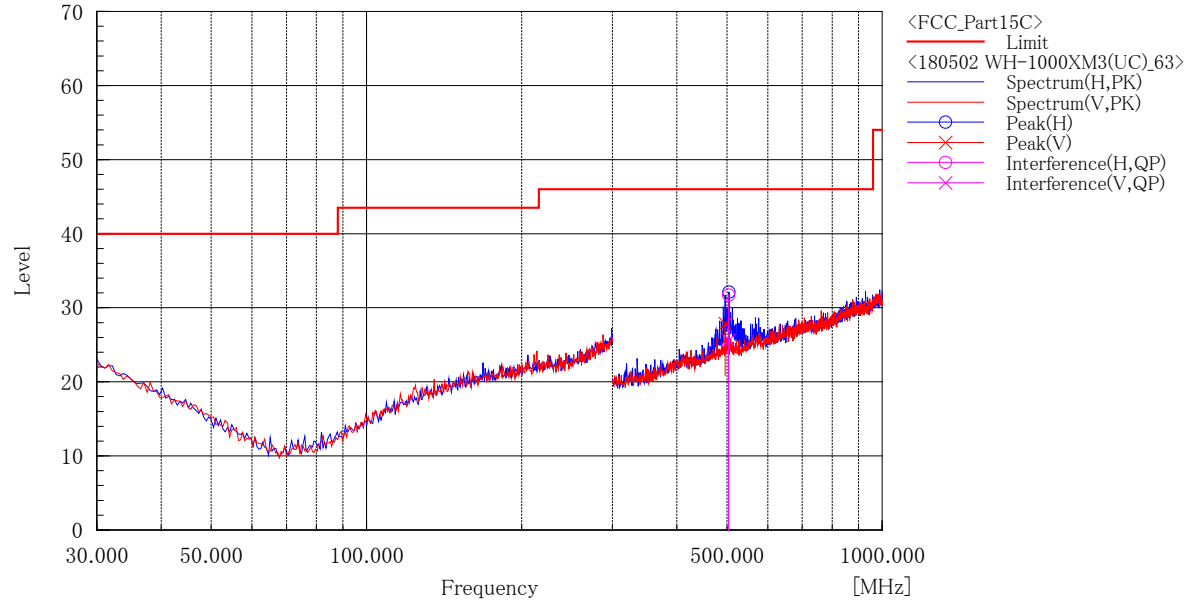
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	504.006	33.3	-8.3	25.0	46.0	21.0	126.4	182.1
2	952.880	24.2	-1.1	23.1	46.0	22.9	214.6	118.1

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	504.000	40.0	-8.3	31.7	46.0	14.3	180.0	136.1

--- Vertical Polarization (QP)---

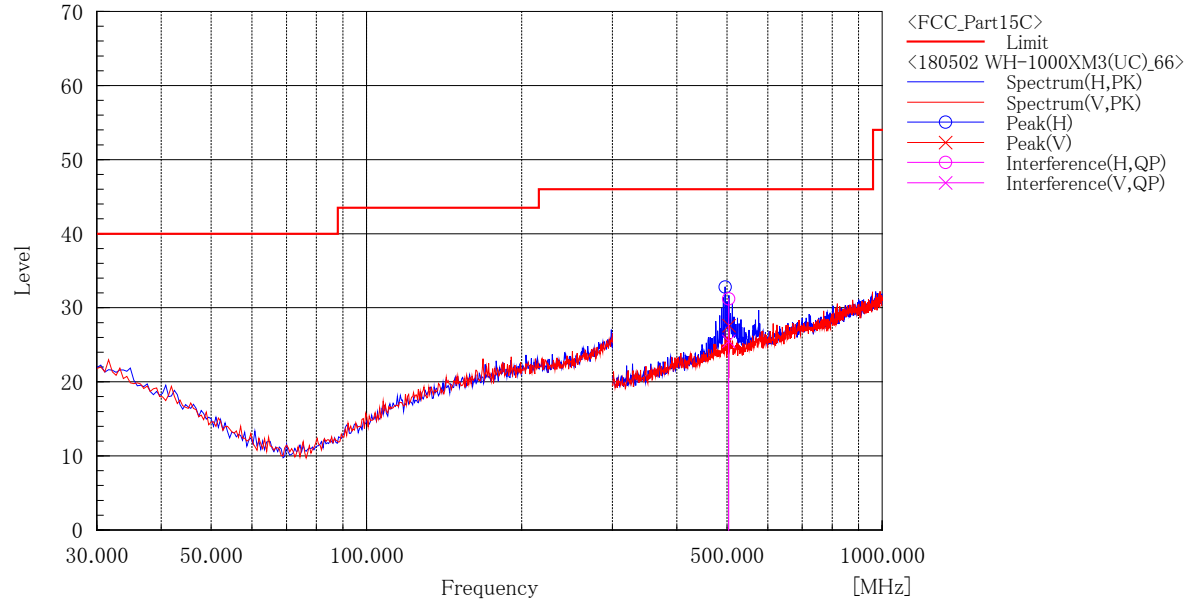
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	504.004	33.9	-8.3	25.6	46.0	20.4	159.0	215.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	504.002	39.5	-8.3	31.2	46.0	14.8	164.4	154.1

--- Vertical Polarization (QP)---

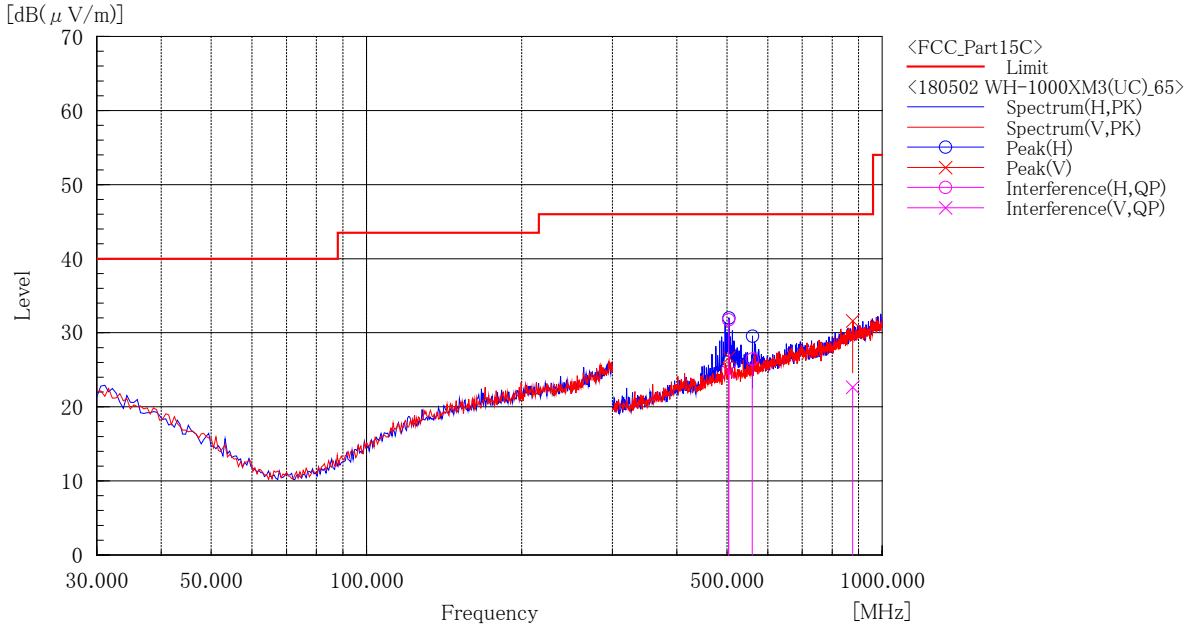
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	504.004	33.8	-8.3	25.5	46.0	20.5	142.6	199.2

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	504.002	40.0	-8.3	31.7	46.0	14.3	174.8	145.7
2	560.002	33.7	-7.2	26.5	46.0	19.5	169.6	308.1

--- Vertical Polarization (QP)---

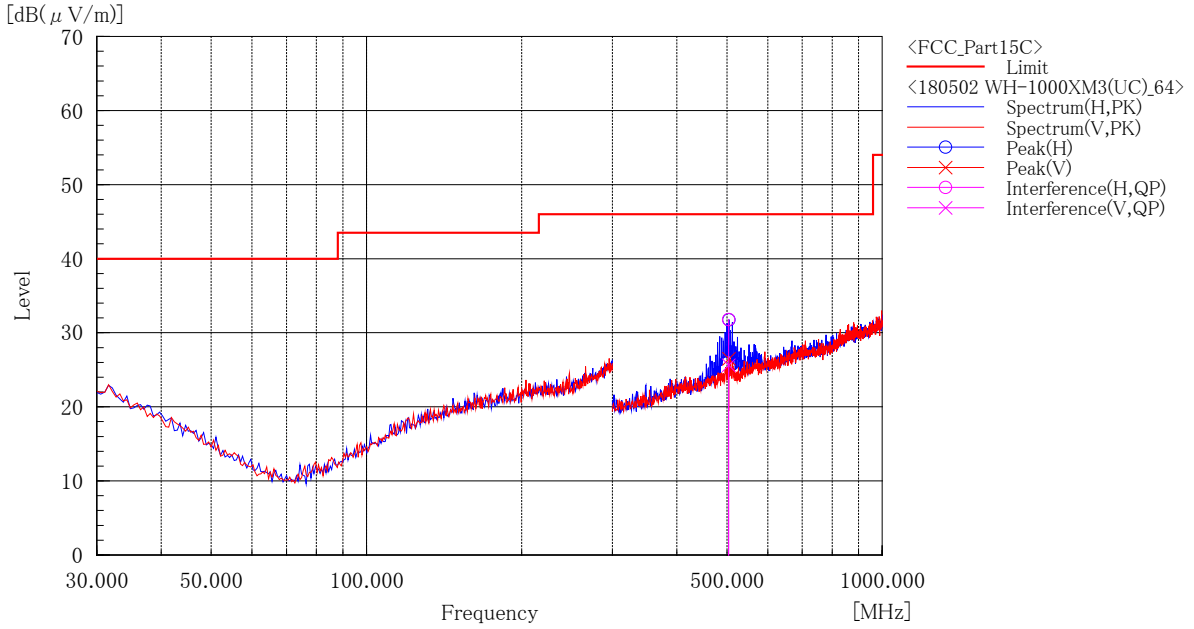
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	504.020	33.0	-8.3	24.7	46.0	21.3	125.7	175.2
2	876.520	24.7	-2.0	22.7	46.0	23.3	192.5	292.3

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	504.004	40.1	-8.3	31.8	46.0	14.2	180.6	148.2

--- 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	504.002	33.9	-8.3	25.6	46.0	20.4	162.0	207.1

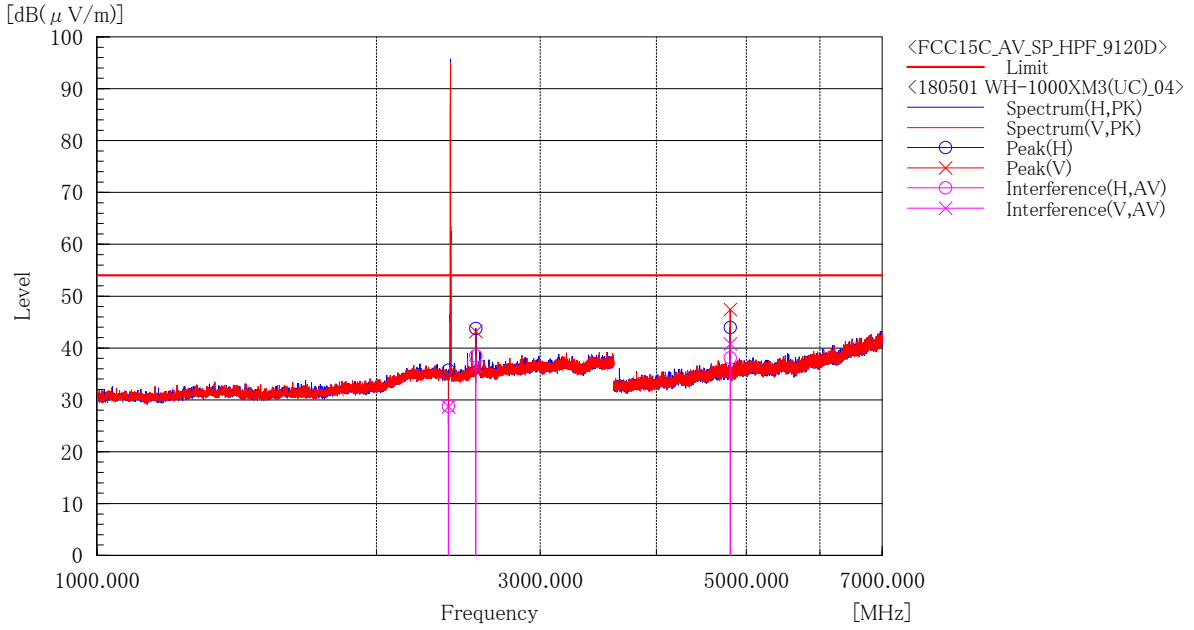
1GHz – 7 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	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	2390.000	36.4	-7.6	28.8	54.0	25.2	152.0	298.1
2	2557.981	45.1	-6.6	38.5	54.0	15.5	348.0	292.1
3	4803.981	41.9	-3.8	38.1	54.0	15.9	381.0	312.0

--- Vertical Polarization (AV)---

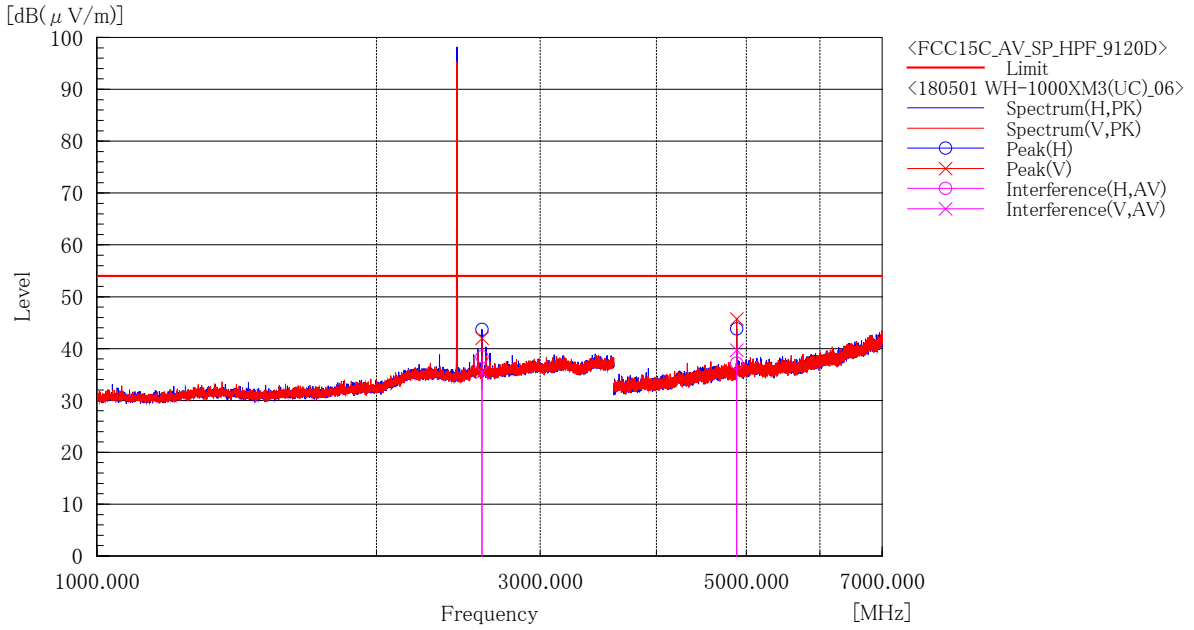
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	36.3	-7.6	28.7	54.0	25.3	125.0	261.3
2	2557.954	43.0	-6.6	36.4	54.0	17.6	214.0	180.1
3	4804.027	44.6	-3.8	40.8	54.0	13.2	160.0	274.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	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	2596.949	44.8	-6.4	38.4	54.0	15.6	248.1	289.1
2	4882.062	40.9	-3.7	37.2	54.0	16.8	348.9	311.1

--- Vertical Polarization (AV)---

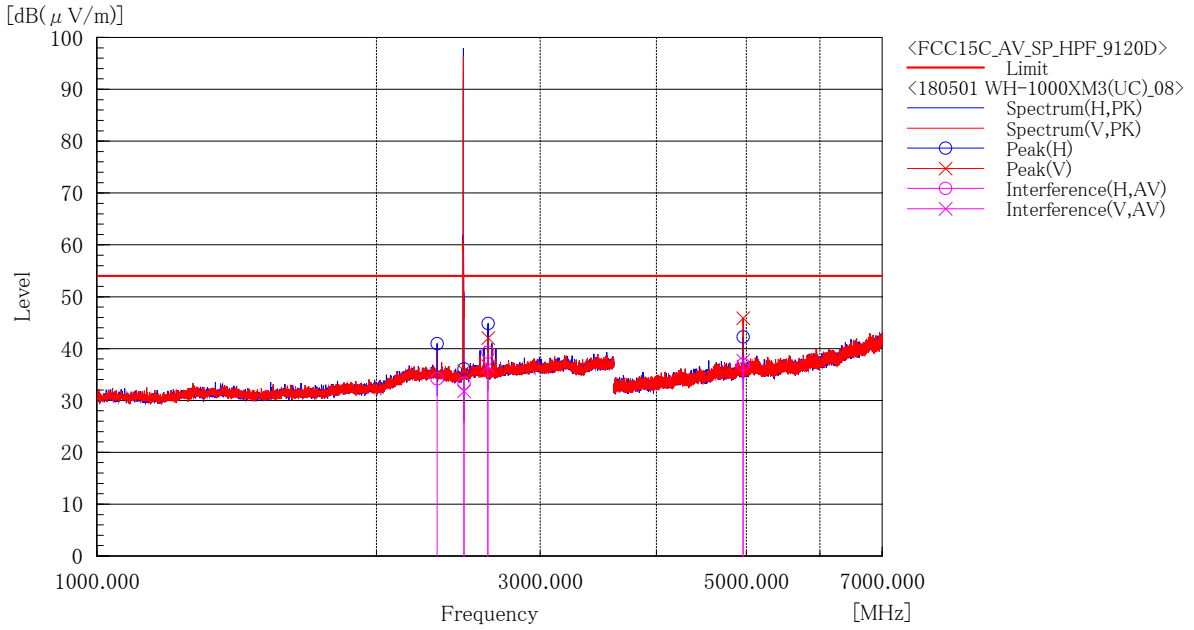
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2596.999	41.8	-6.4	35.4	54.0	18.6	229.0	180.3
2	4882.009	43.4	-3.7	39.7	54.0	14.3	383.1	267.1

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	Remark4	: High



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	2324.000	41.0	-6.8	34.2	54.0	19.8	213.2	294.2
2	2483.500	40.5	-7.2	33.3	54.0	20.7	302.3	300.1
3	2636.002	45.8	-6.5	39.3	54.0	14.7	270.1	293.1
4	4959.971	40.4	-3.4	37.0	54.0	17.0	304.0	319.1

--- Vertical Polarization (AV)---

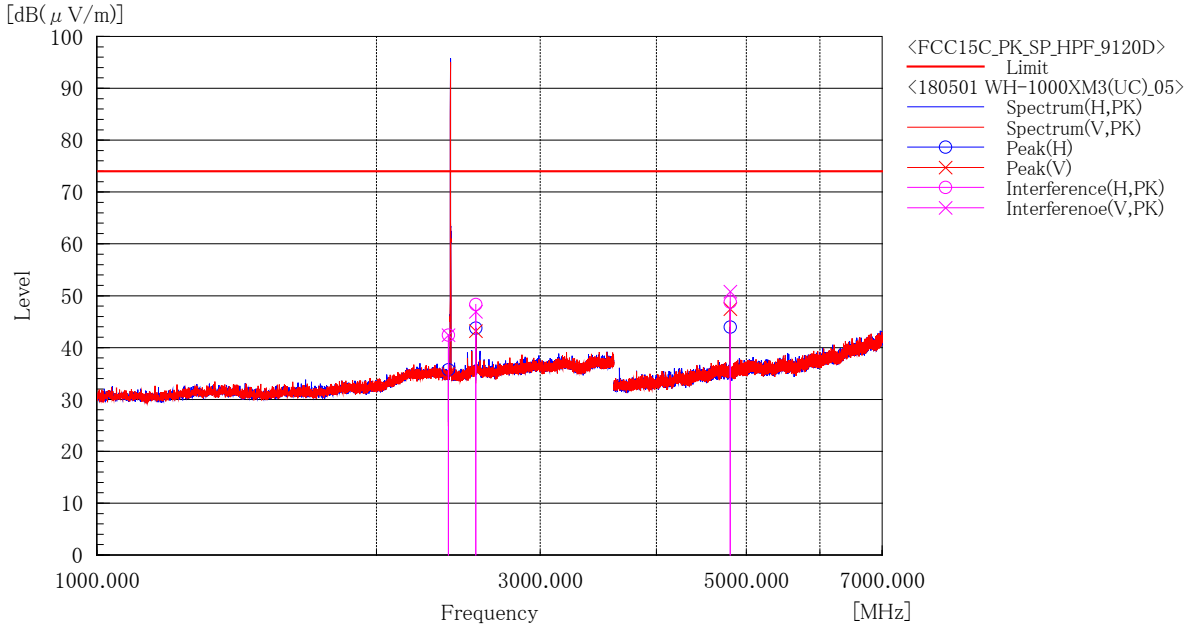
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	39.0	-7.2	31.8	54.0	22.2	185.0	173.6
2	2635.963	43.1	-6.5	36.6	54.0	17.4	358.0	14.1
3	4959.990	41.1	-3.4	37.7	54.0	16.3	325.4	267.5

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	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	50.0	-7.6	42.4	74.0	31.6	168.0	299.1
2	2558.079	54.9	-6.6	48.3	74.0	25.7	348.0	292.1
3	4804.480	52.6	-3.8	48.8	74.0	25.2	381.0	314.1

--- Vertical Polarization (PK)---

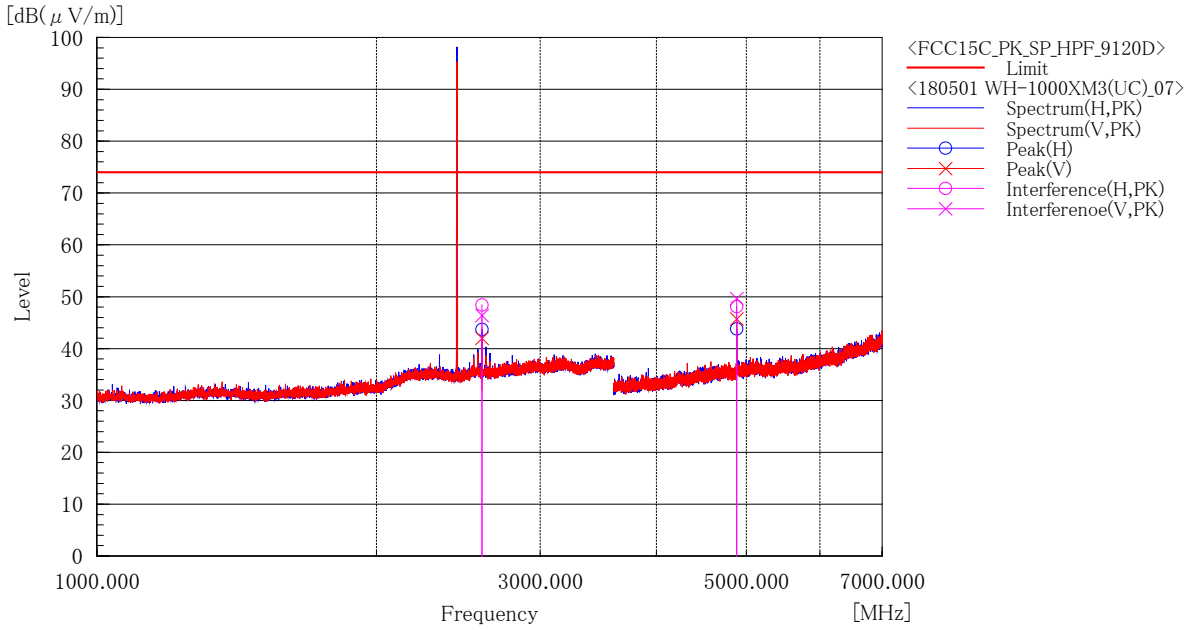
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	50.0	-7.6	42.4	74.0	31.6	125.0	262.1
2	2557.963	53.5	-6.6	46.9	74.0	27.1	214.0	180.1
3	4804.398	54.6	-3.8	50.8	74.0	23.2	160.0	274.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	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	2597.081	54.8	-6.4	48.4	74.0	25.6	247.0	288.1
2	4882.328	51.8	-3.7	48.1	74.0	25.9	348.0	312.1

--- Vertical Polarization (PK)---

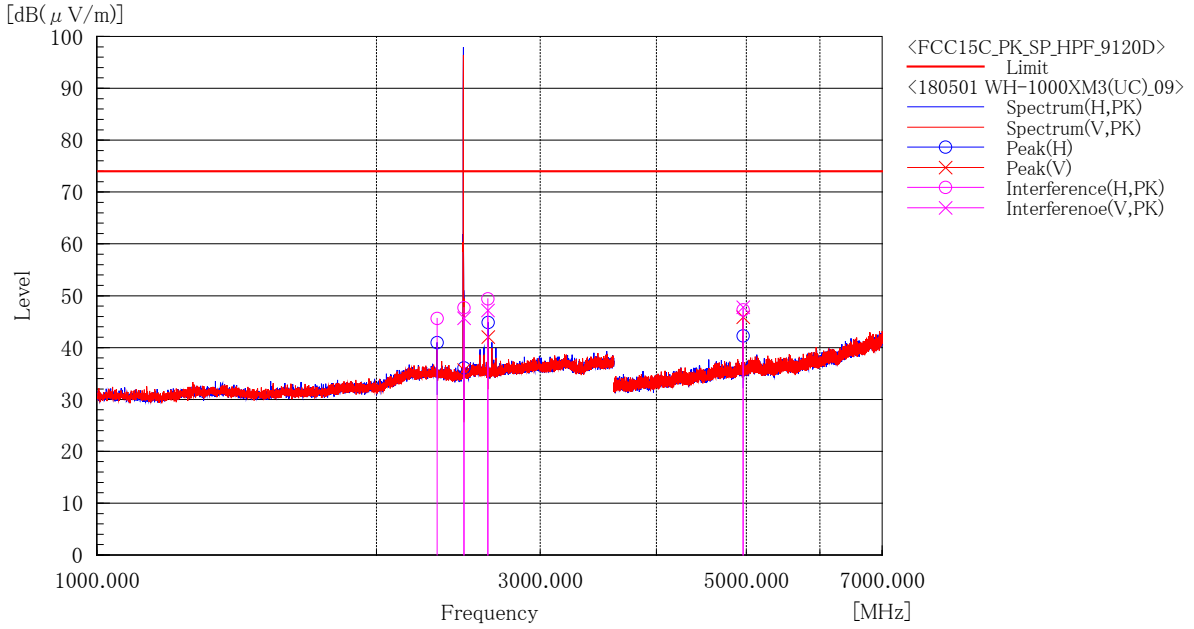
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2596.947	52.8	-6.4	46.4	74.0	27.6	228.0	180.1
2	4881.626	53.4	-3.7	49.7	74.0	24.3	383.1	267.1

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 57%	Remark4	: High



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	2324.138	52.5	-6.9	45.6	74.0	28.4	214.0	295.1
2	2483.500	54.9	-7.2	47.7	74.0	26.3	302.0	300.1
3	2636.017	55.9	-6.5	49.4	74.0	24.6	270.0	295.1
4	4959.704	50.7	-3.4	47.3	74.0	26.7	304.0	319.1

--- Vertical Polarization (PK)---

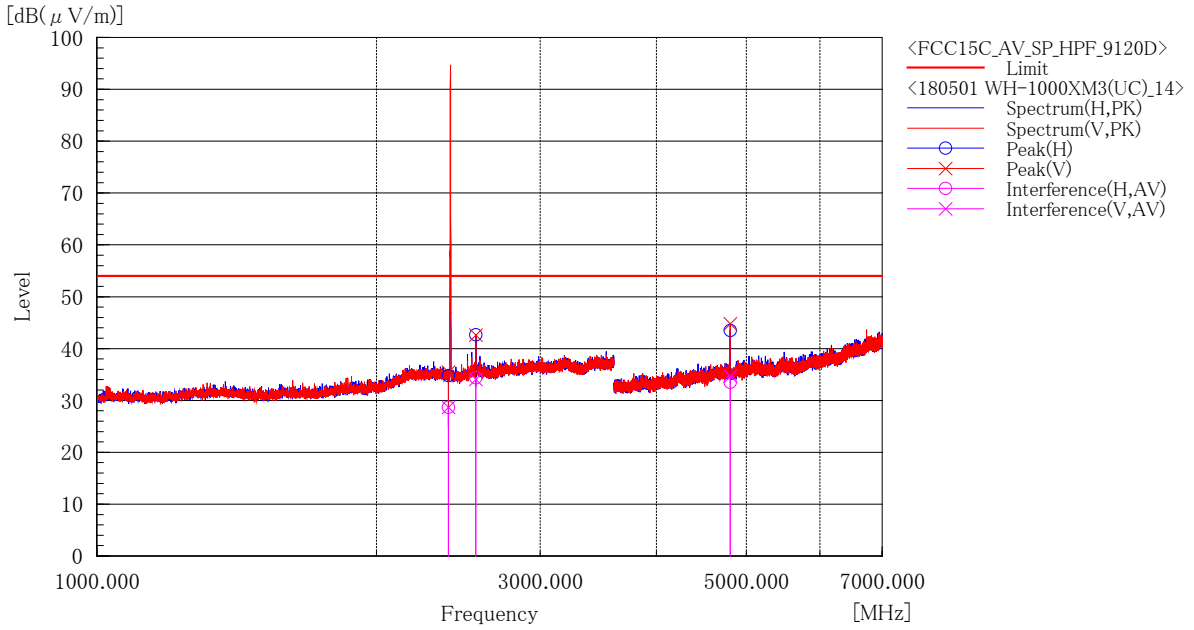
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	52.9	-7.2	45.7	74.0	28.3	185.0	173.1
2	2635.874	53.7	-6.5	47.2	74.0	26.8	358.0	14.1
3	4960.257	51.2	-3.4	47.8	74.0	26.2	325.0	267.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	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	2390.000	36.3	-7.6	28.7	54.0	25.3	175.1	273.8
2	2557.990	41.0	-6.6	34.4	54.0	19.6	348.7	312.8
3	4804.076	37.3	-3.8	33.5	54.0	20.5	284.3	315.0

--- Vertical Polarization (AV)---

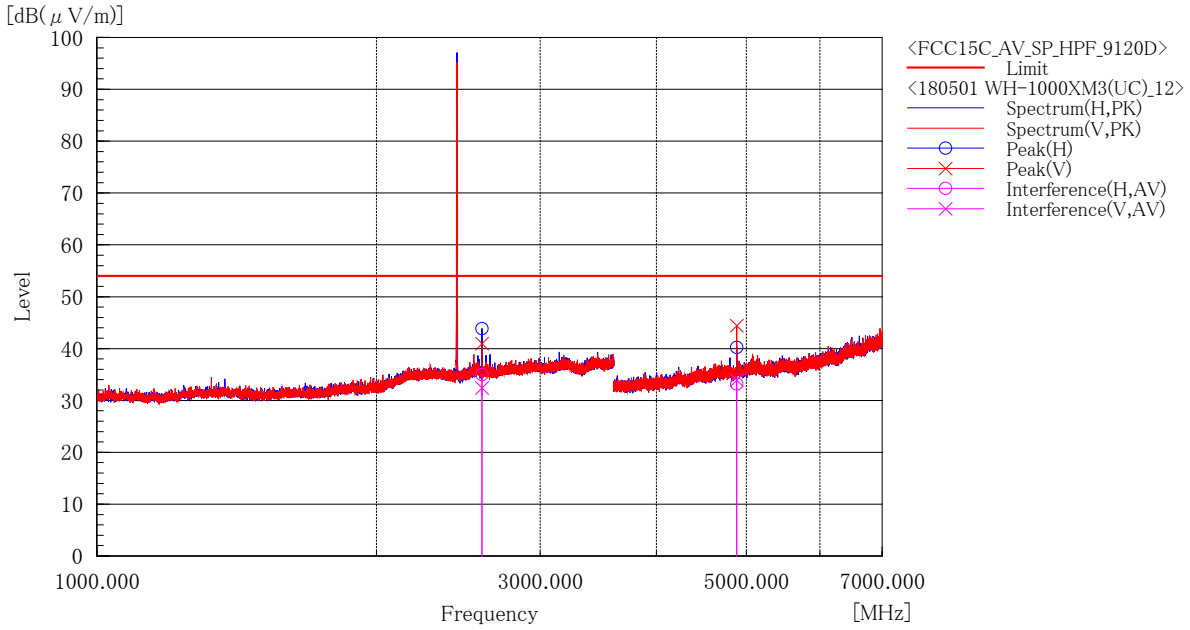
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	36.3	-7.6	28.7	54.0	25.3	269.0	156.1
2	2557.999	40.7	-6.6	34.1	54.0	19.9	296.0	62.8
3	4804.063	38.5	-3.8	34.7	54.0	19.3	334.6	276.9

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	Remark4	: Mid



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	2596.972	41.4	-6.4	35.0	54.0	19.0	341.0	294.1
2	4882.142	36.9	-3.7	33.2	54.0	20.8	281.9	316.1

--- Vertical Polarization (AV)---

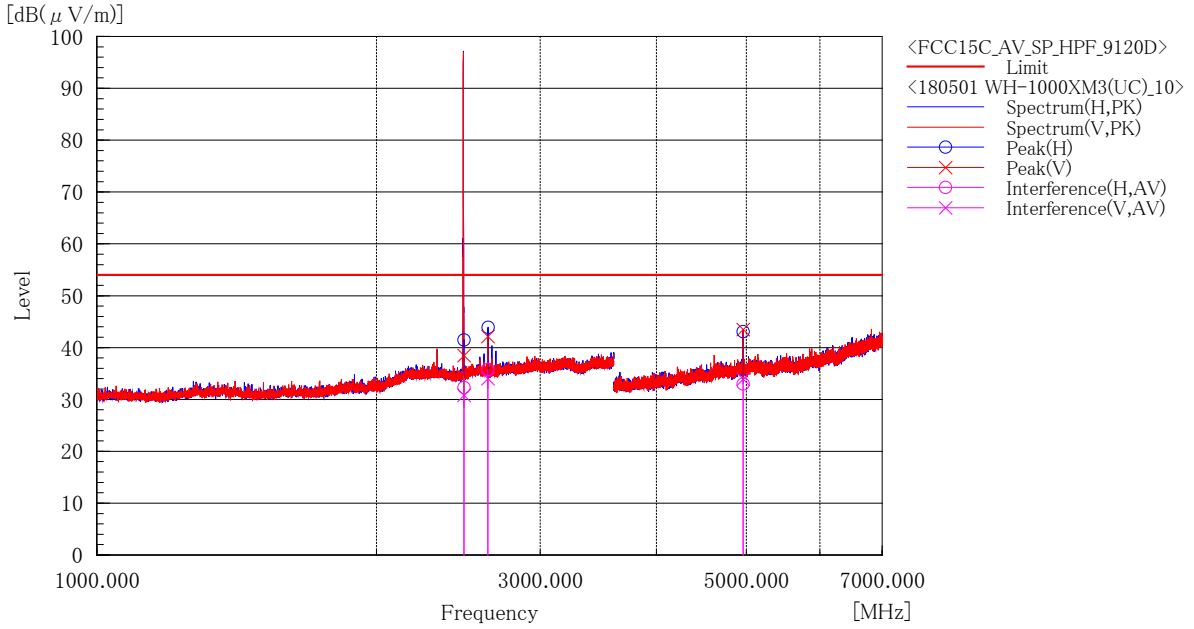
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	2597.006	38.8	-6.4	32.4	54.0	21.6	192.2	190.1
2	4882.094	37.6	-3.7	33.9	54.0	20.1	340.9	291.1

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	Remark4	: High



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	2483.500	39.5	-7.2	32.3	54.0	21.7	371.7	294.1
2	2636.011	42.3	-6.5	35.8	54.0	18.2	367.0	290.1
3	4959.959	36.4	-3.4	33.0	54.0	21.0	339.0	315.1

--- Vertical Polarization (AV)---

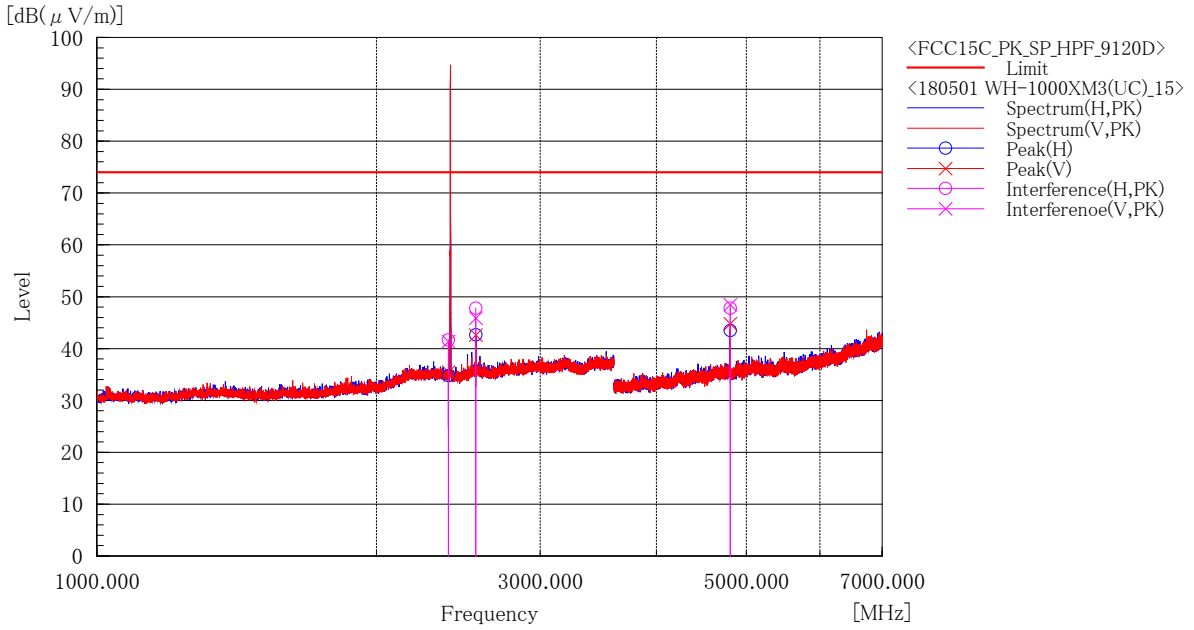
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	2483.500	38.0	-7.2	30.8	54.0	23.2	355.0	176.1
2	2636.053	40.5	-6.5	34.0	54.0	20.0	399.0	2.6
3	4959.973	37.3	-3.4	33.9	54.0	20.1	342.0	268.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	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	49.3	-7.6	41.7	74.0	32.3	175.1	275.1
2	2557.783	54.4	-6.6	47.8	74.0	26.2	348.0	313.1
3	4804.063	51.6	-3.8	47.8	74.0	26.2	285.0	315.1

--- Vertical Polarization (PK)---

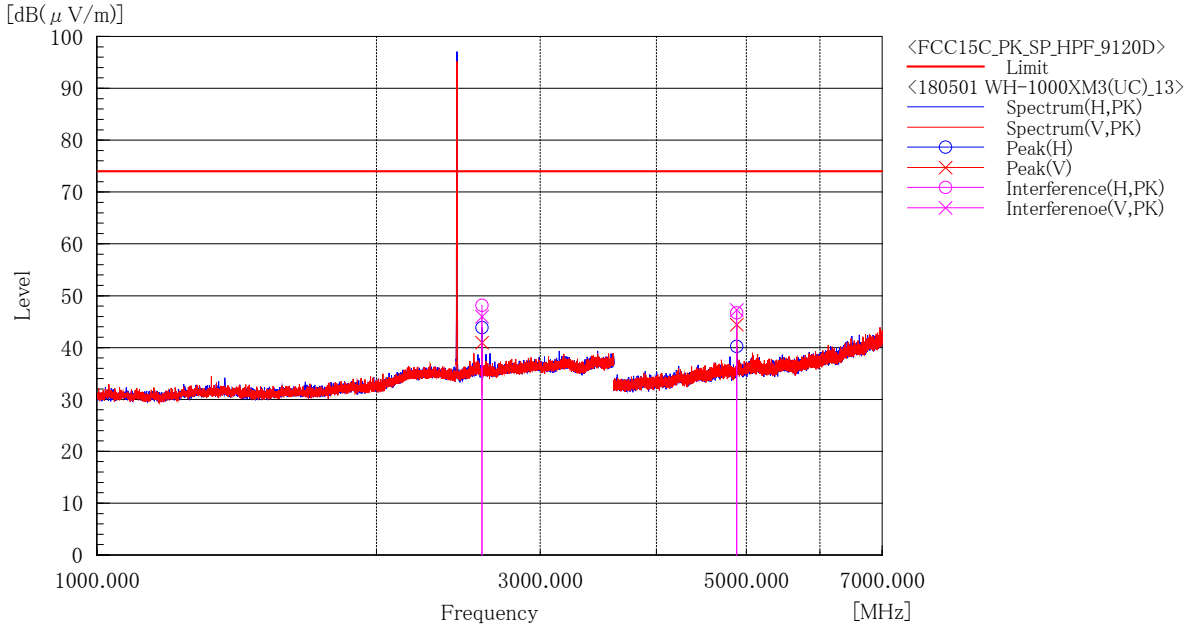
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.000	49.0	-7.6	41.4	74.0	32.6	268.0	156.1
2	2557.970	52.5	-6.6	45.9	74.0	28.1	296.0	63.1
3	4803.569	52.3	-3.8	48.5	74.0	25.5	334.6	276.9

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	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	2596.992	54.6	-6.4	48.2	74.0	25.8	340.0	294.1
2	4881.995	50.4	-3.7	46.7	74.0	27.3	281.9	316.1

--- Vertical Polarization (PK)---

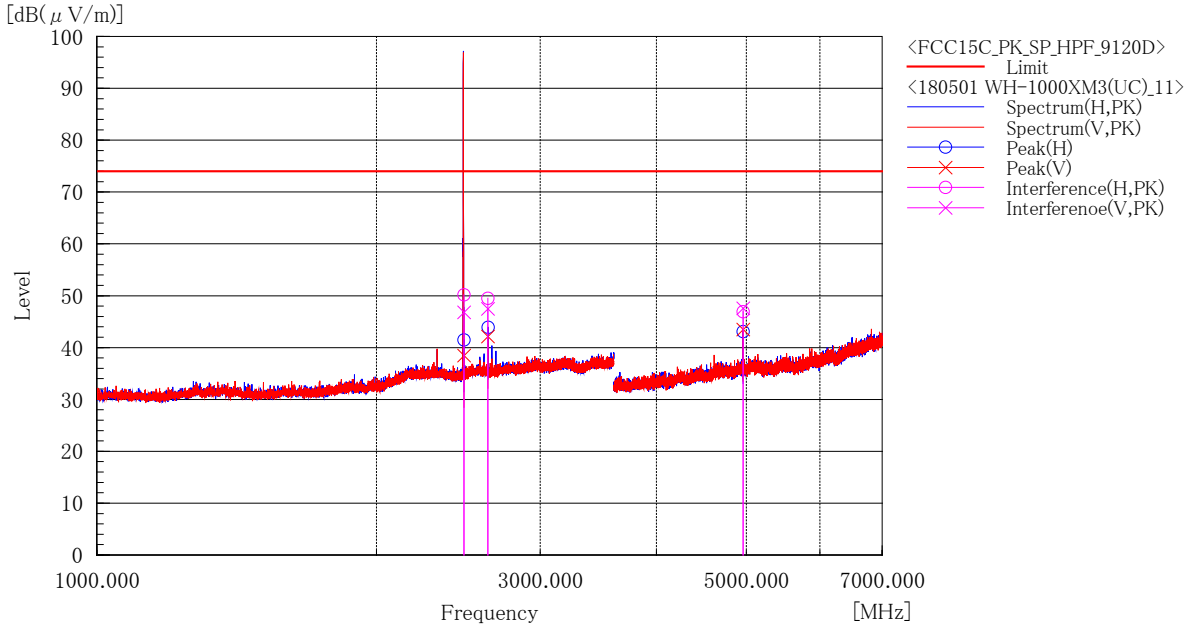
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2597.144	52.4	-6.4	46.0	74.0	28.0	193.0	190.1
2	4881.944	51.0	-3.7	47.3	74.0	26.7	338.0	292.1

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 57%	Remark4	: High



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	57.4	-7.2	50.2	74.0	23.8	371.0	293.1
2	2635.701	56.0	-6.5	49.5	74.0	24.5	367.0	291.1
3	4959.592	50.3	-3.4	46.9	74.0	27.1	339.0	315.1

--- 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	2483.500	54.0	-7.2	46.8	74.0	27.2	355.0	175.1
2	2635.904	54.0	-6.5	47.5	74.0	26.5	399.0	2.1
3	4960.158	51.0	-3.4	47.6	74.0	26.4	342.0	268.1

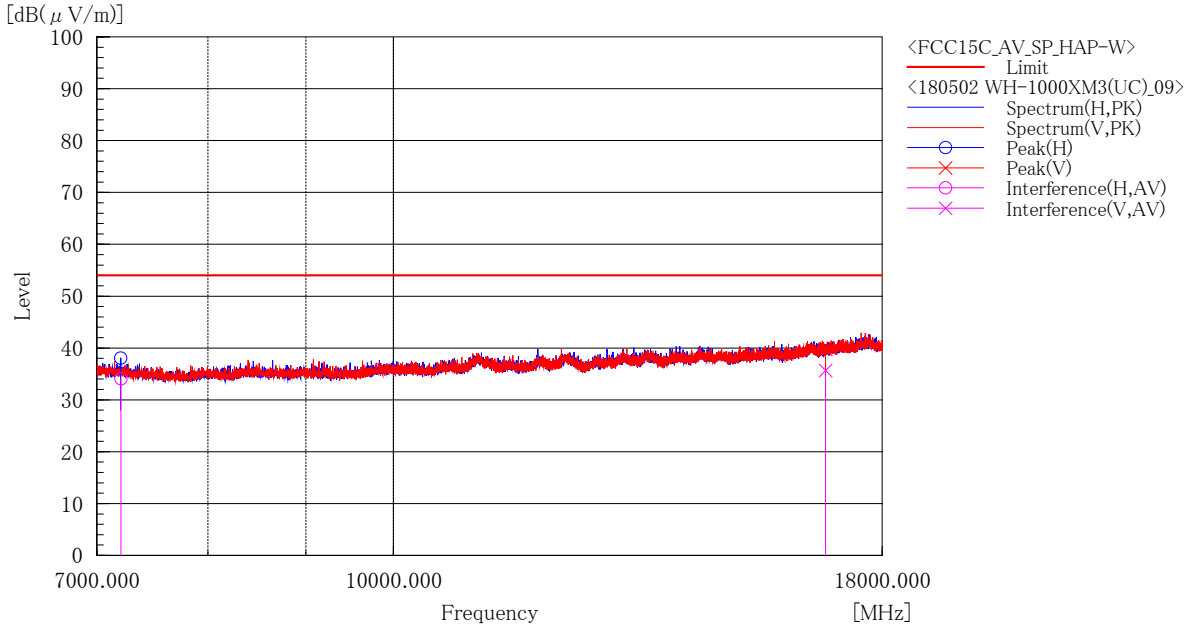
7 GHz - 18 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	7206.000	41.7	-7.6	34.1	54.0	19.9	290.0	240.7

--- Vertical Polarization (AV)---

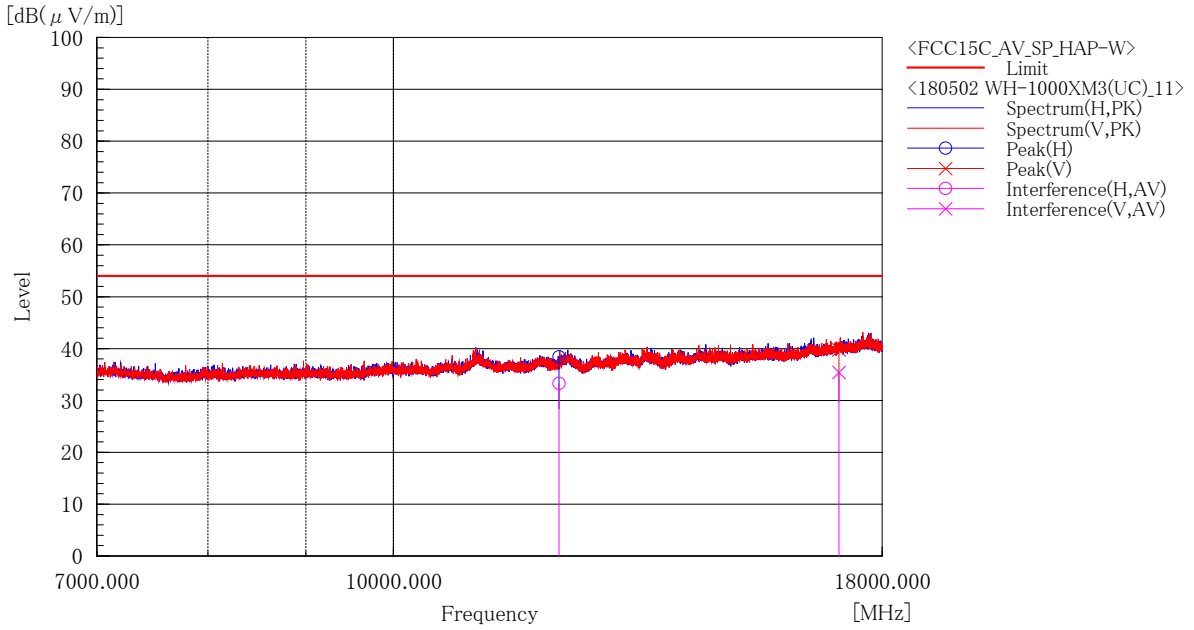
No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	16814.000	37.0	-1.3	35.7	54.0	18.3	360.0	289.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	12205.000	37.9	-4.6	33.3	54.0	20.7	292.0	156.9

--- Vertical Polarization (AV)---

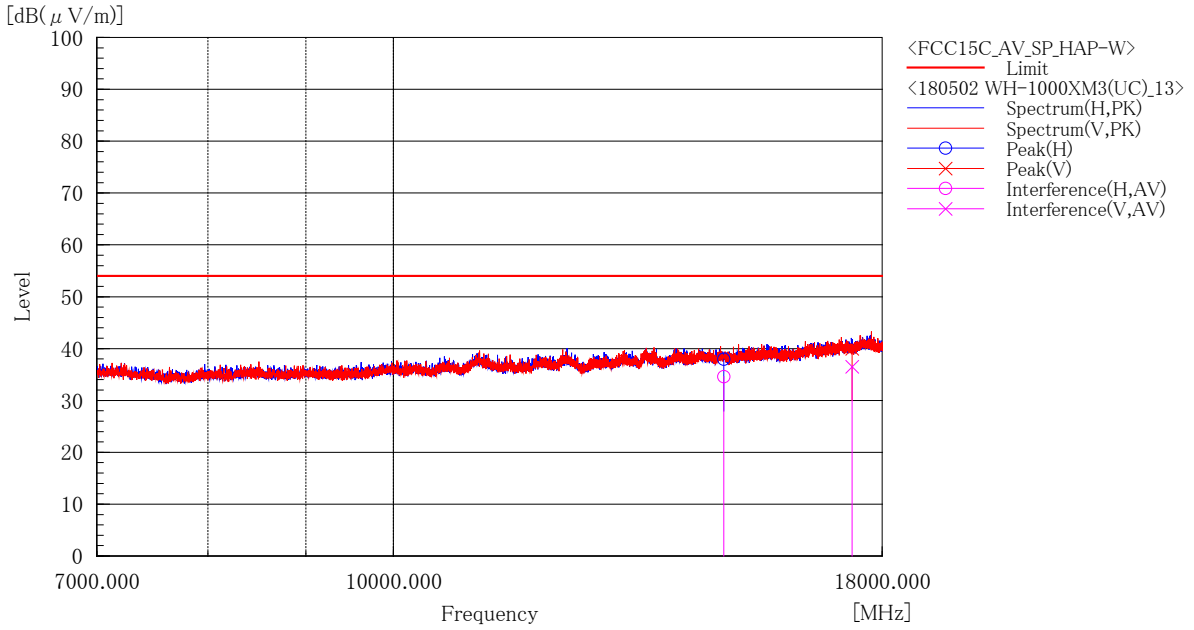
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17087.000	36.0	-0.6	35.4	54.0	18.6	120.0	272.1

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	14880.000	38.5	-3.9	34.6	54.0	19.4	303.2	257.5

--- Vertical Polarization (AV)---

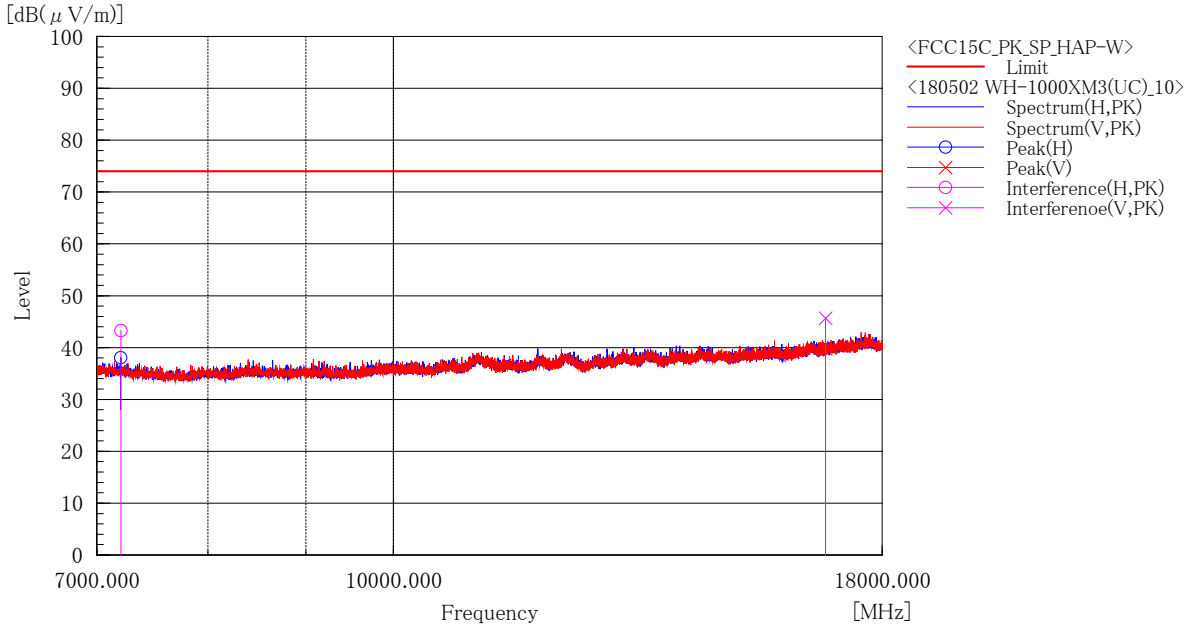
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17360.000	36.7	-0.2	36.5	54.0	17.5	274.7	316.8

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	7206.000	50.9	-7.6	43.3	74.0	30.7	280.5	229.1

--- Vertical Polarization (PK)---

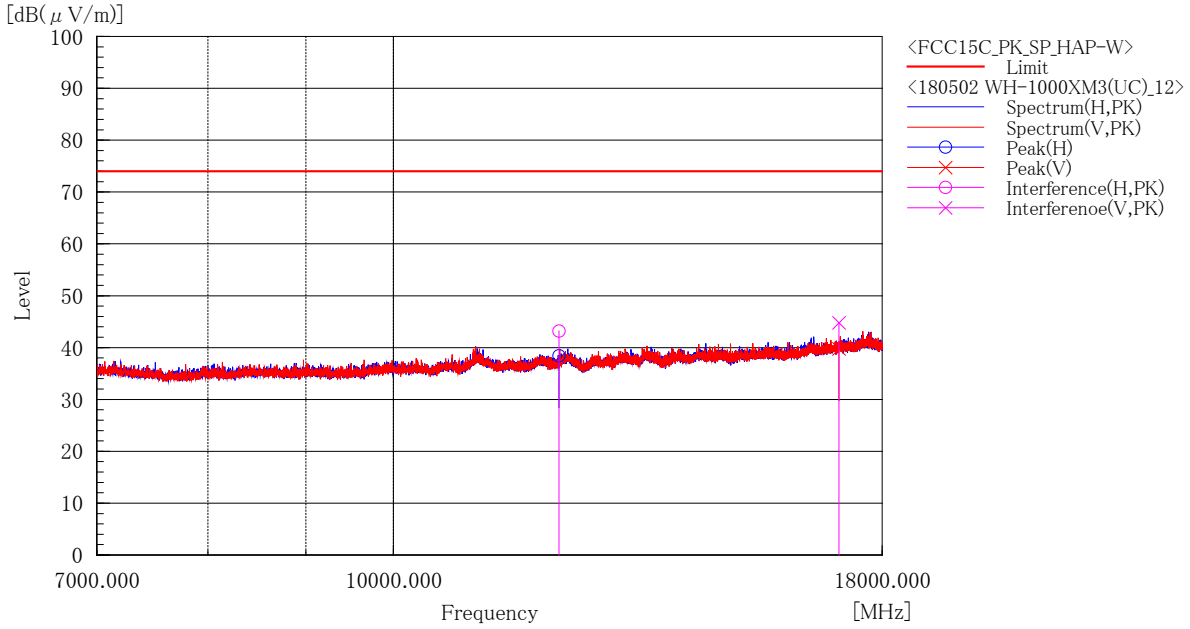
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	16814.000	47.0	-1.3	45.7	74.0	28.3	360.0	289.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	12205.000	47.8	-4.6	43.2	74.0	30.8	292.0	156.1

--- Vertical Polarization (PK)---

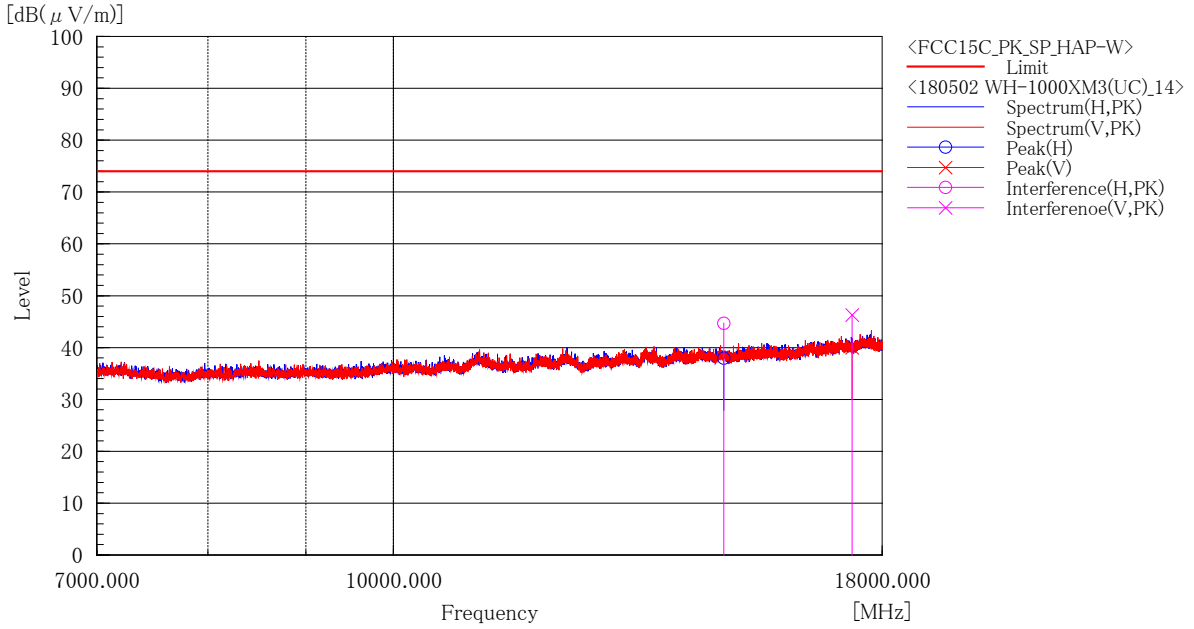
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17087.000	45.4	-0.6	44.8	74.0	29.2	120.0	273.1

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	14880.000	48.6	-3.9	44.7	74.0	29.3	303.2	256.1

--- Vertical Polarization (PK)---

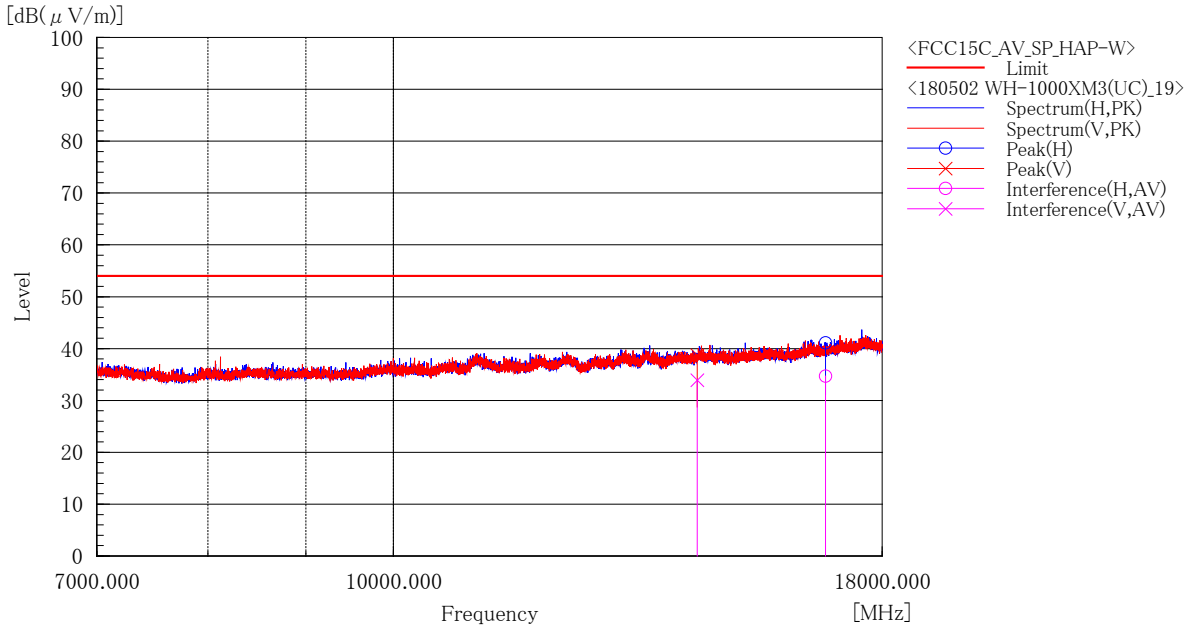
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17360.000	46.5	-0.2	46.3	74.0	27.7	265.0	316.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	16814.000	36.0	-1.3	34.7	54.0	19.3	292.3	99.5

--- Vertical Polarization (AV)---

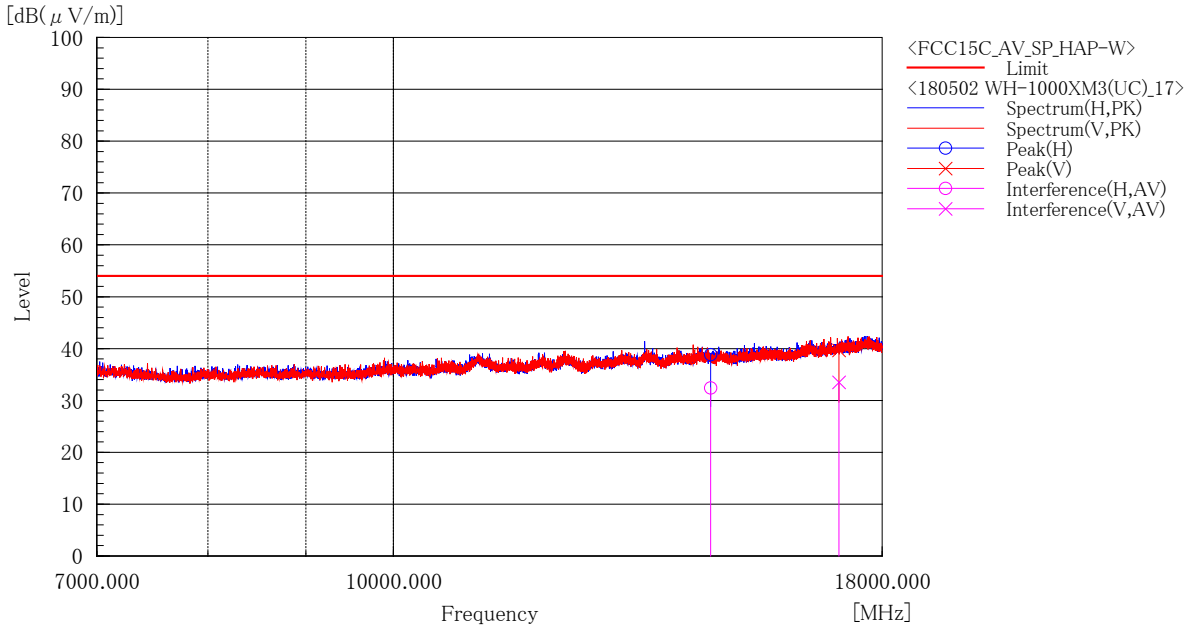
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14412.000	37.9	-4.0	33.9	54.0	20.1	316.5	256.1

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: Mid



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	14646.000	36.4	-4.0	32.4	54.0	21.6	266.4	60.8

--- Vertical Polarization (AV)---

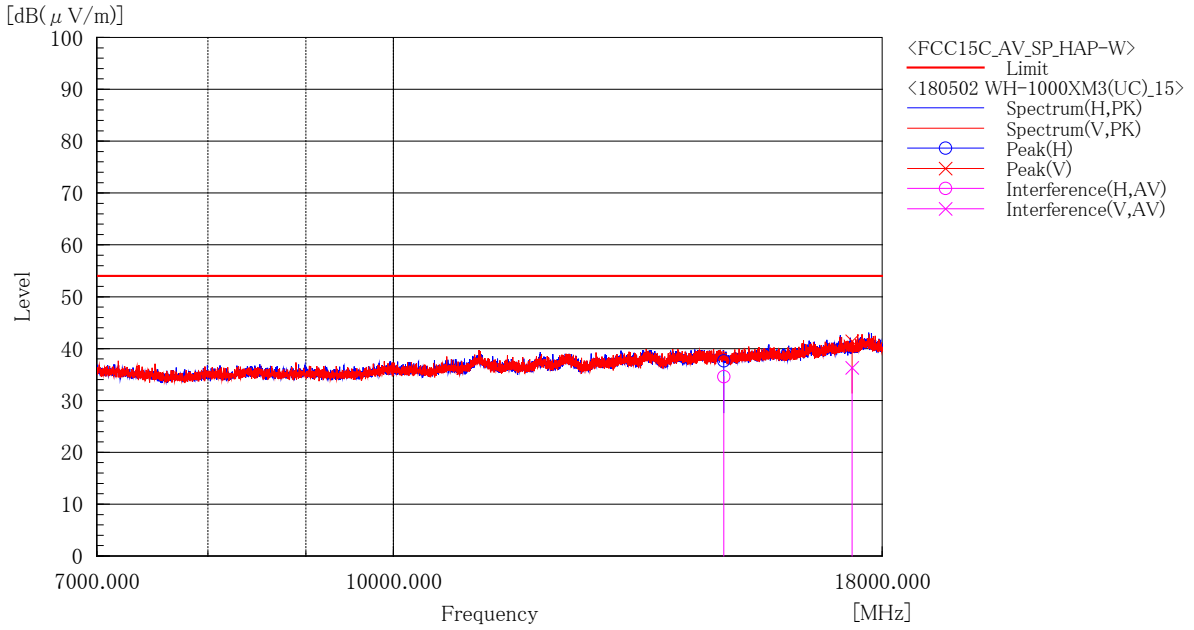
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17087.000	34.1	-0.6	33.5	54.0	20.5	278.0	244.2

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	14880.000	38.5	-3.9	34.6	54.0	19.4	252.0	202.8

--- Vertical Polarization (AV)---

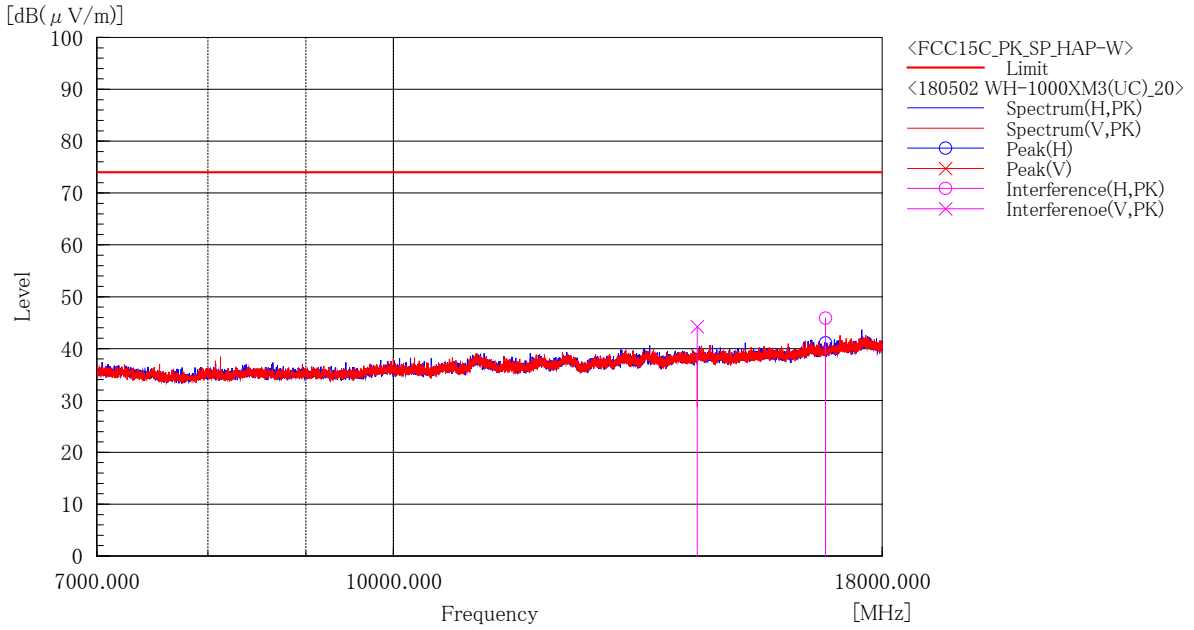
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17360.000	36.5	-0.2	36.3	54.0	17.7	260.0	196.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	16814.000	47.2	-1.3	45.9	74.0	28.1	293.0	100.1

--- Vertical Polarization (PK)---

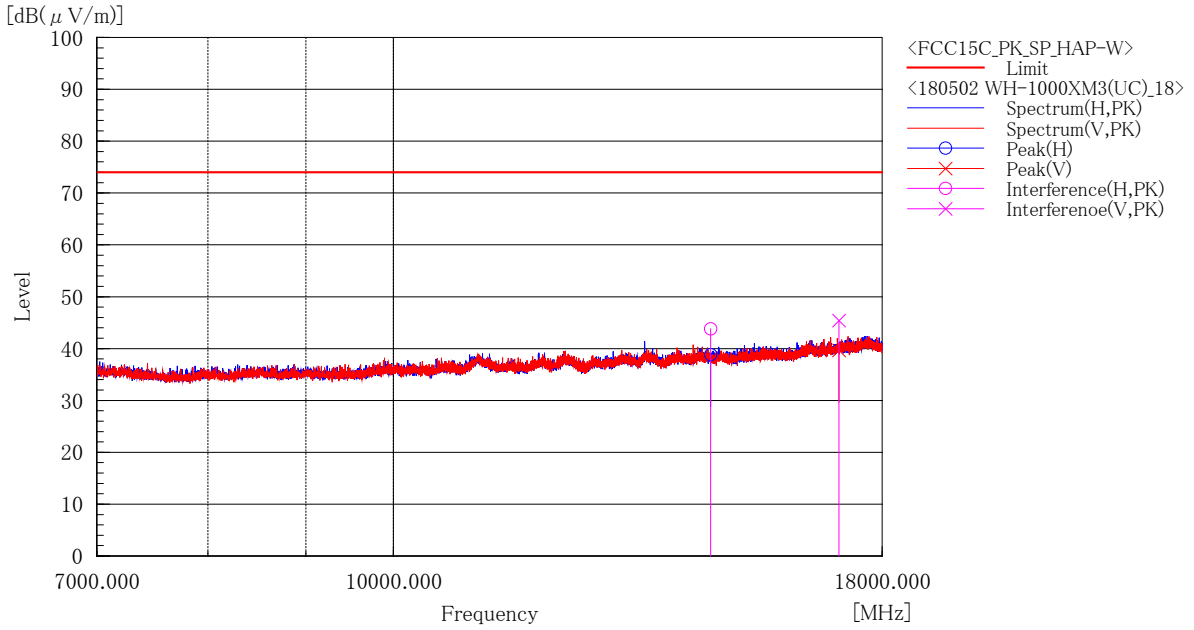
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	14412.000	48.2	-4.0	44.2	74.0	29.8	316.0	256.2

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	14646.000	47.8	-4.0	43.8	74.0	30.2	265.0	60.9

--- Vertical Polarization (PK)---

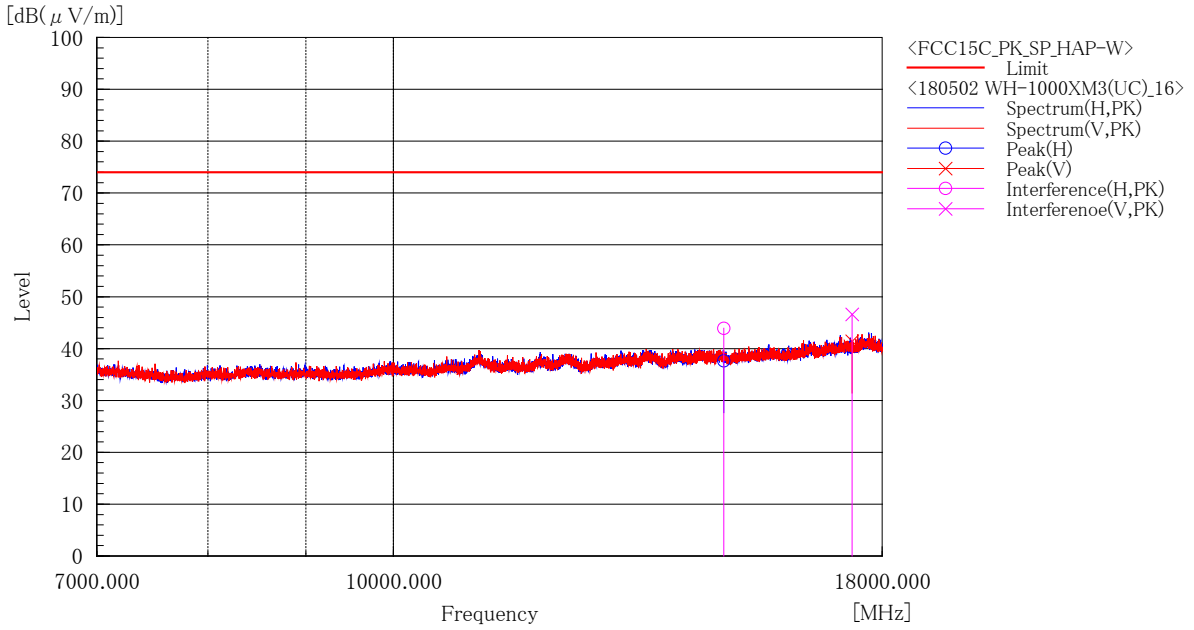
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	17087.000	46.0	-0.6	45.4	74.0	28.6	277.0	243.1

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	14880.000	47.8	-3.9	43.9	74.0	30.1	252.0	202.8

--- 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	17360.000	46.8	-0.2	46.6	74.0	27.4	260.0	196.1

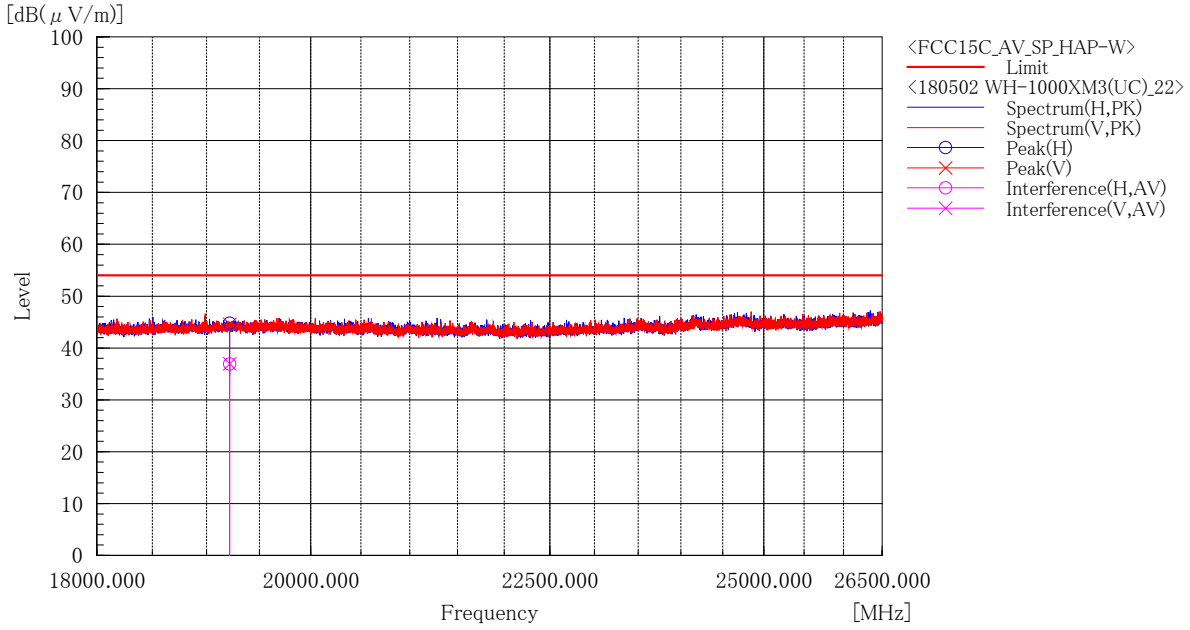
18 GHz – 25 GHz

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	19216.000	31.5	5.4	36.9	54.0	17.1	198.1	43.1

--- Vertical Polarization (AV)---

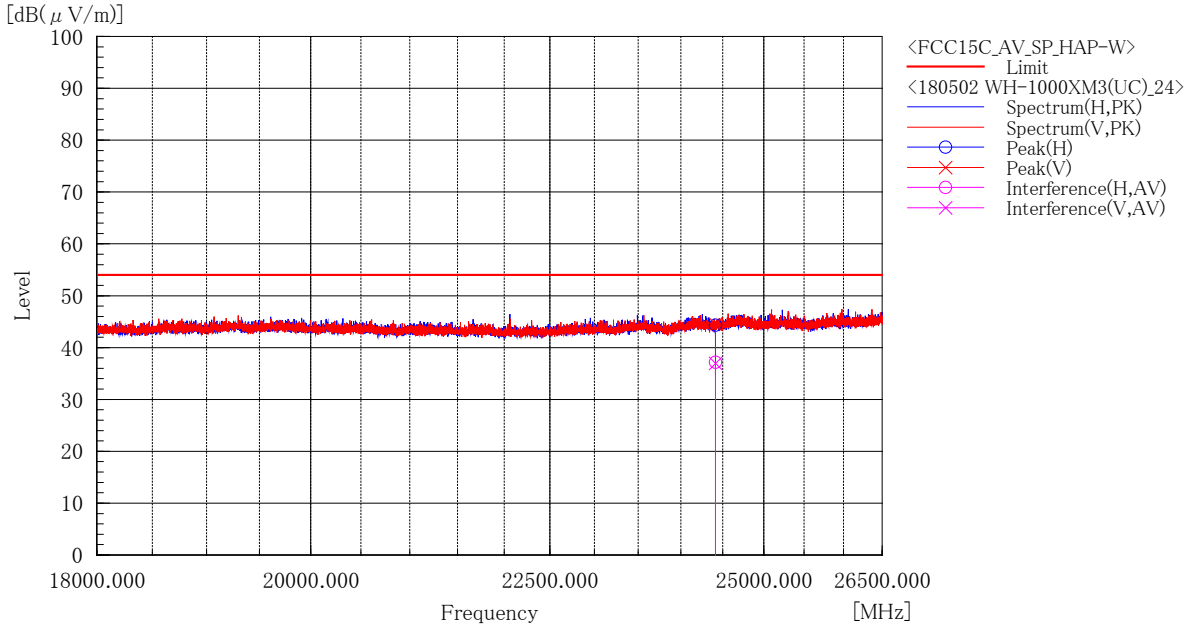
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19216.000	31.6	5.4	37.0	54.0	17.0	148.0	148.1

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	24410.000	32.7	4.5	37.2	54.0	16.8	283.0	53.6

--- Vertical Polarization (AV)---

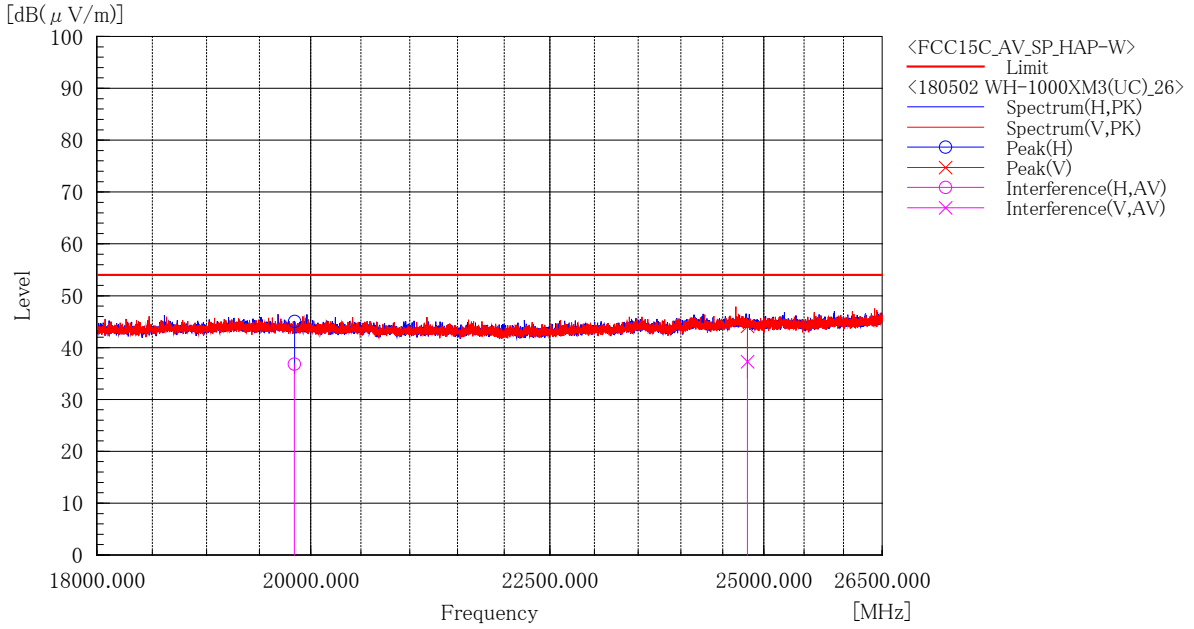
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.000	32.5	4.5	37.0	54.0	17.0	153.0	152.2

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	19840.000	31.3	5.5	36.8	54.0	17.2	274.0	240.1

--- Vertical Polarization (AV)---

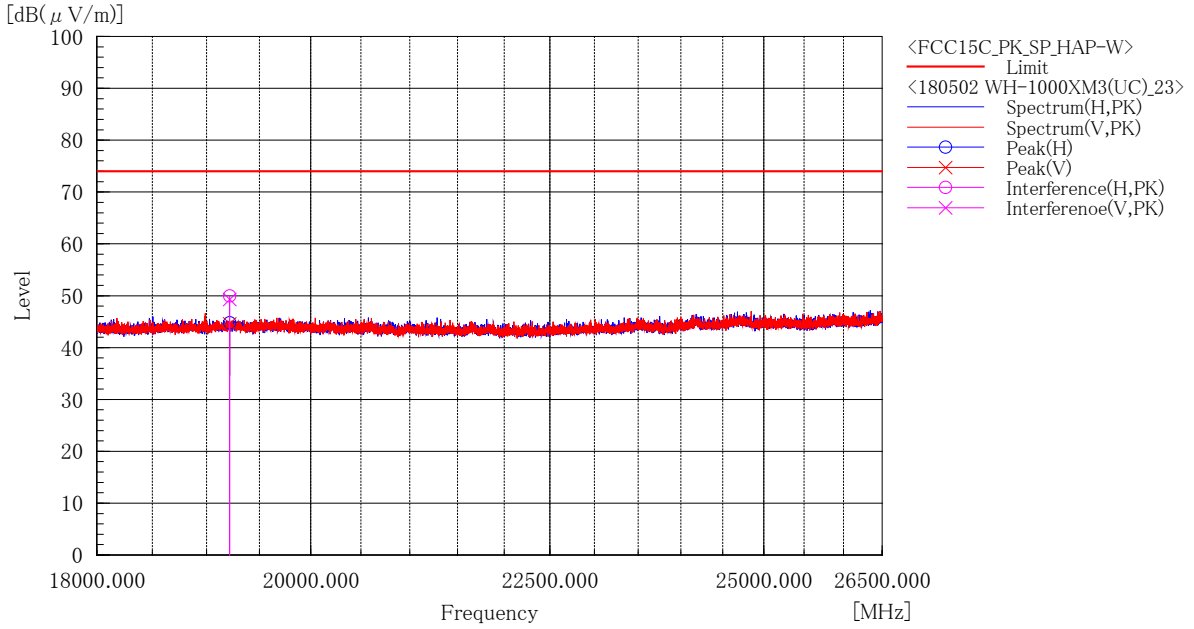
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24800.000	32.8	4.5	37.3	54.0	16.7	282.0	242.4

[BDR(DH5)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	19216.000	44.6	5.4	50.0	74.0	24.0	199.0	44.1

--- Vertical Polarization (PK)---

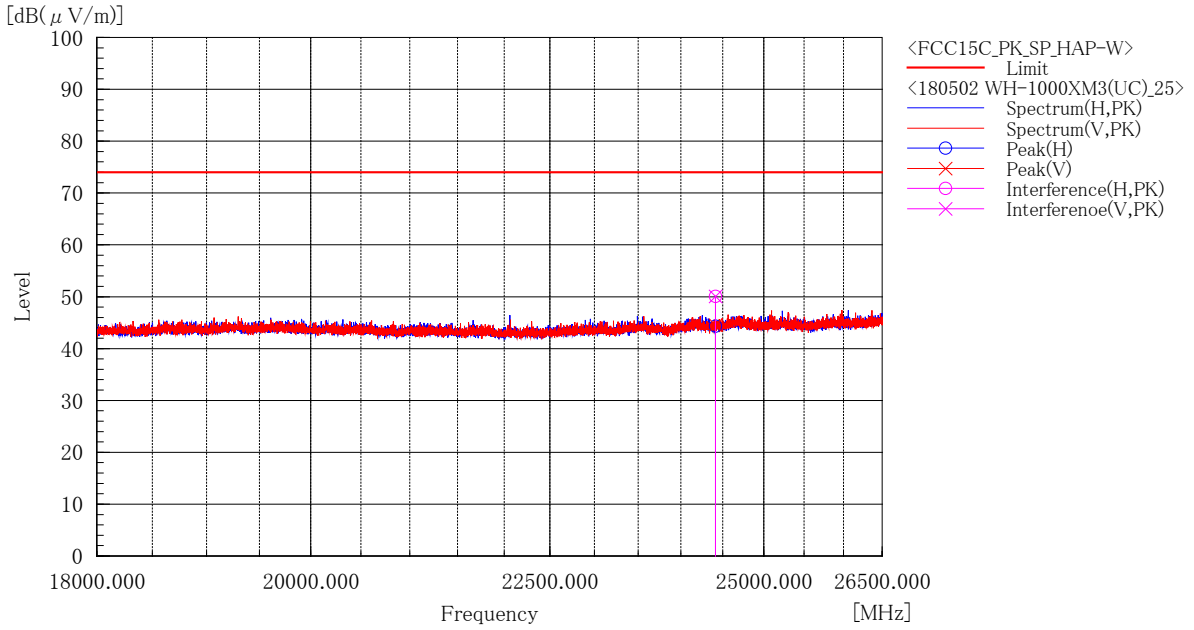
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19216.000	43.9	5.4	49.3	74.0	24.7	148.0	148.2

[BDR(DH5)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	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	24410.000	45.6	4.5	50.1	74.0	23.9	275.0	58.1

--- Vertical Polarization (PK)---

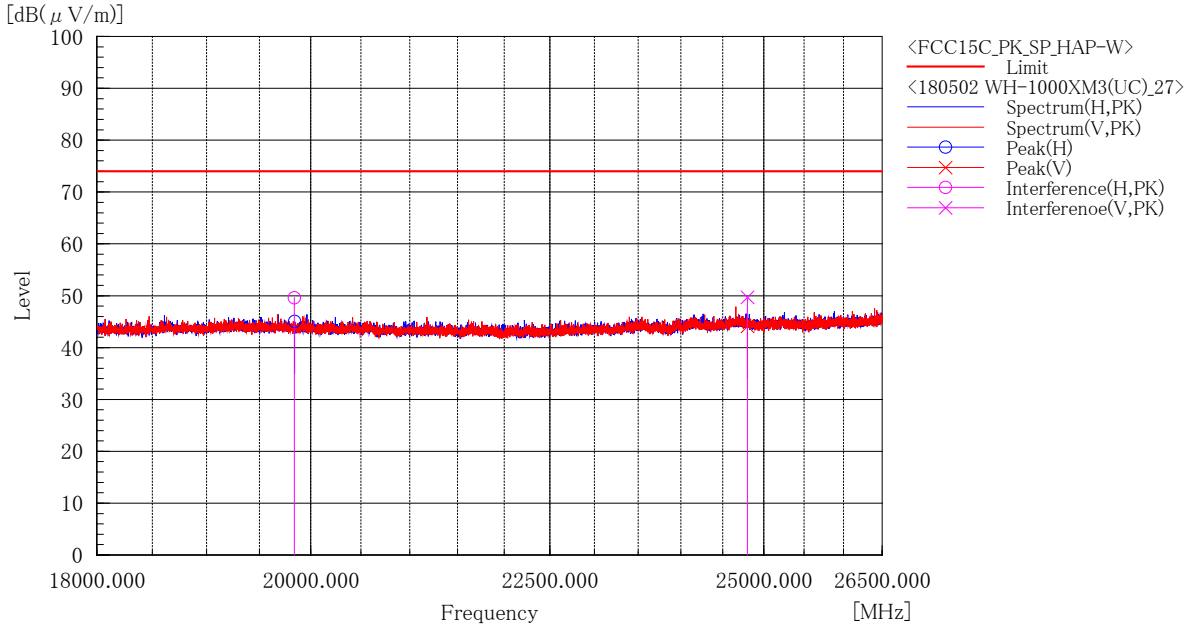
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.000	45.6	4.5	50.1	74.0	23.9	153.0	152.2

[BDR(DH5)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: DH5
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	19840.000	44.1	5.5	49.6	74.0	24.4	274.0	240.1

--- Vertical Polarization (PK)---

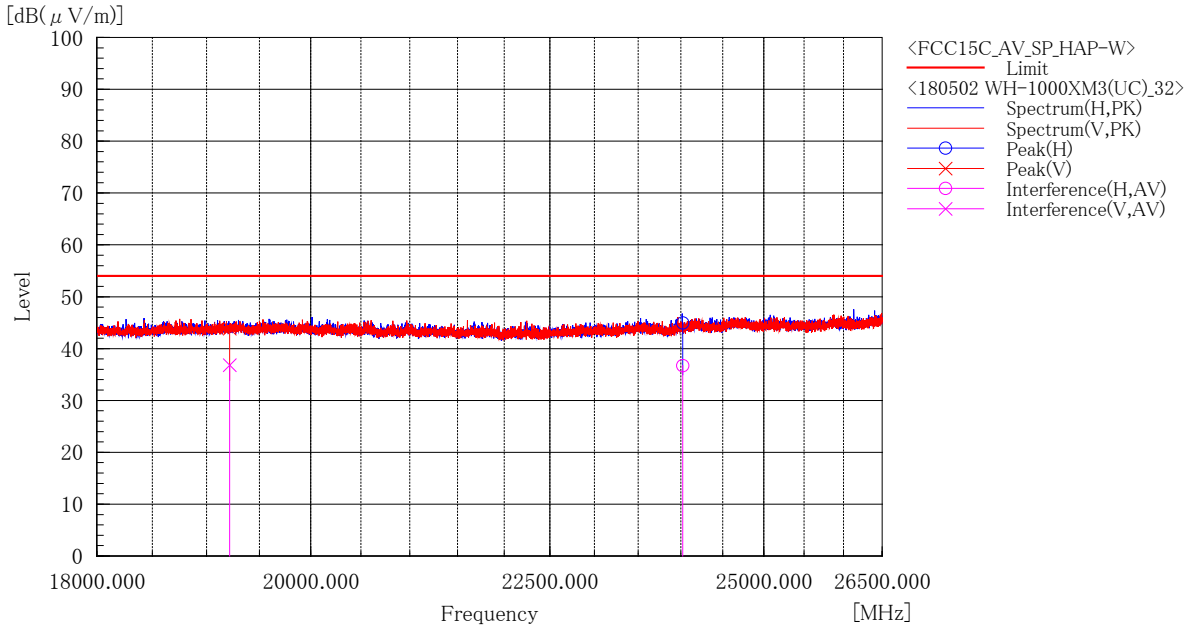
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24800.000	45.2	4.5	49.7	74.0	24.3	282.0	242.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	24020.000	32.3	4.4	36.7	54.0	17.3	314.0	178.9

--- Vertical Polarization (AV)---

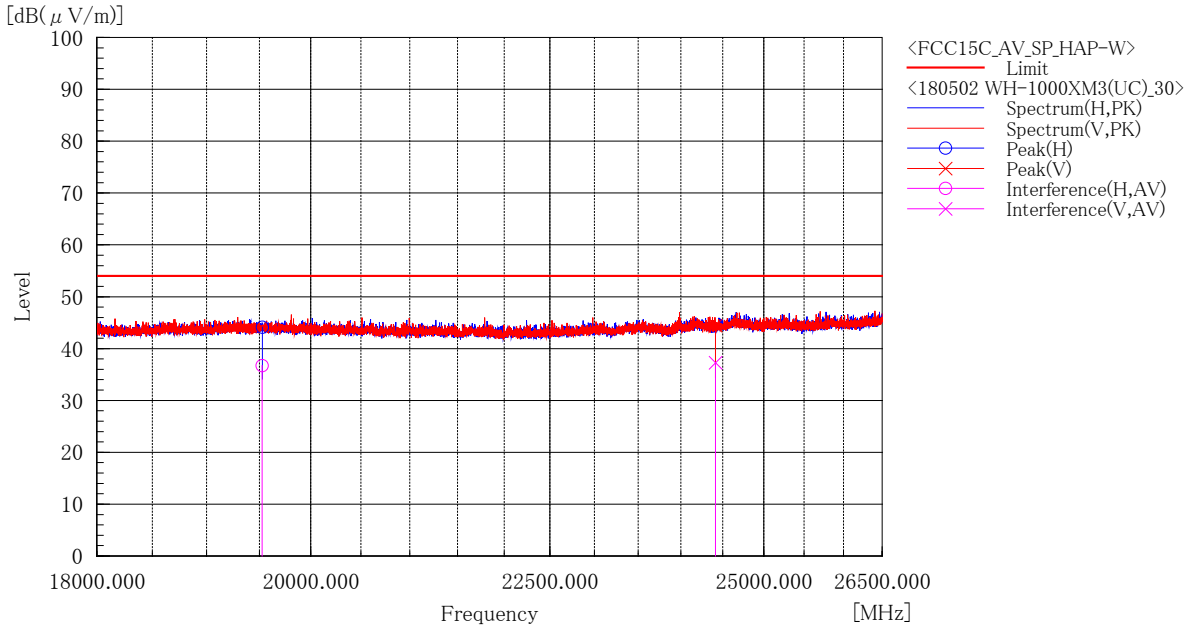
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19216.000	31.4	5.4	36.8	54.0	17.2	123.0	228.1

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	19528.000	31.2	5.5	36.7	54.0	17.3	390.0	300.1

--- Vertical Polarization (AV)---

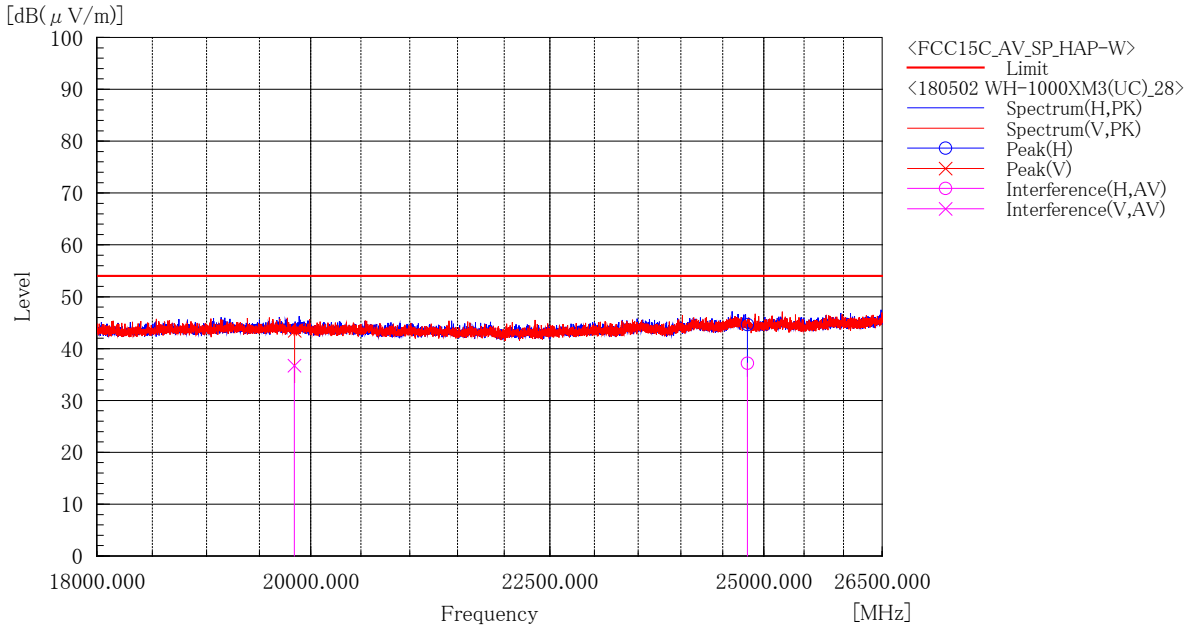
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.000	32.8	4.5	37.3	54.0	16.7	280.7	147.5

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	24800.000	32.7	4.5	37.2	54.0	16.8	285.2	190.8

--- Vertical Polarization (AV)---

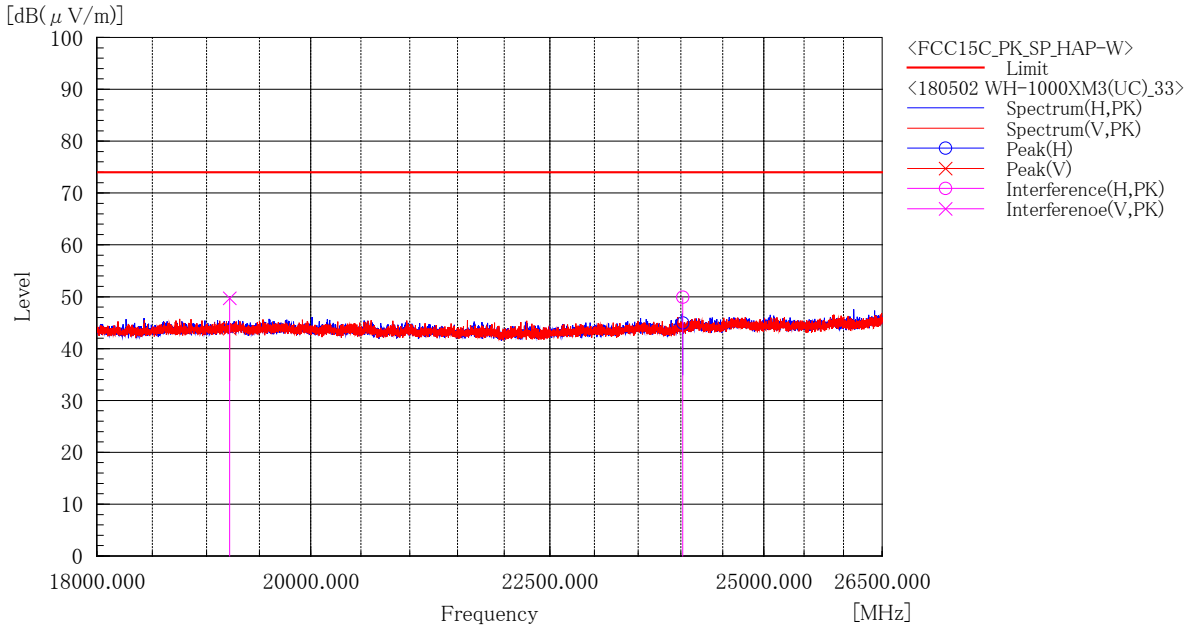
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19840.000	31.2	5.5	36.7	54.0	17.3	213.0	173.1

[EDR(3DH3)/2402MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	24020.000	45.5	4.4	49.9	74.0	24.1	312.0	180.1

--- Vertical Polarization (PK)---

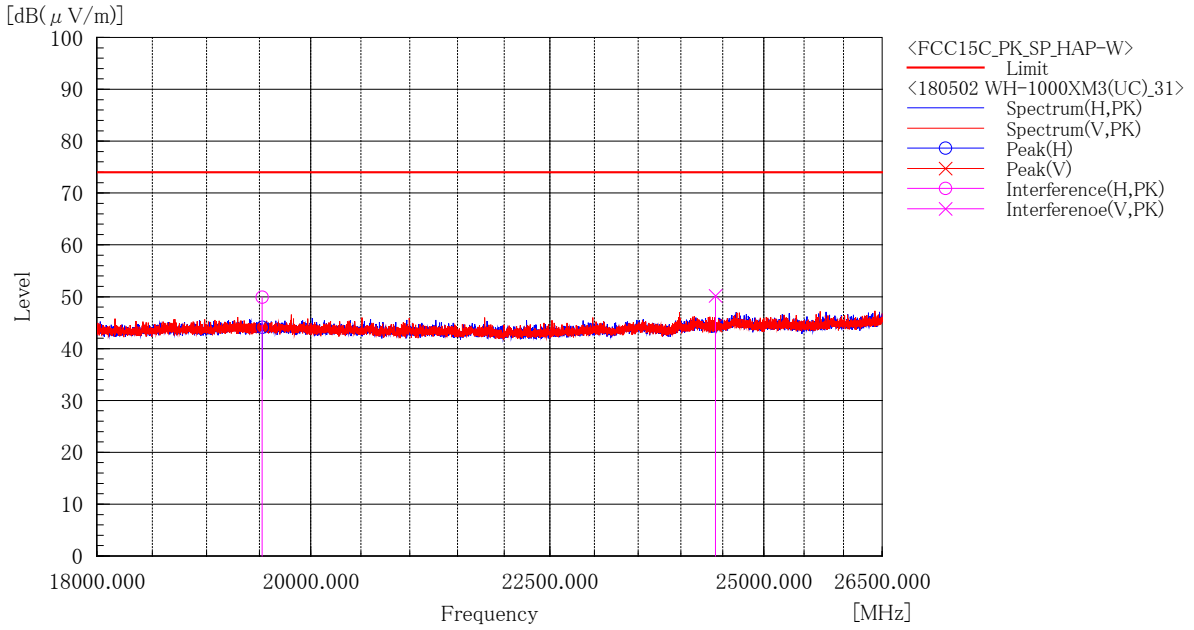
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19216.000	44.3	5.4	49.7	74.0	24.3	123.0	228.1

[EDR(3DH3)/2441MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	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	19528.000	44.4	5.5	49.9	74.0	24.1	390.0	300.1

--- Vertical Polarization (PK)---

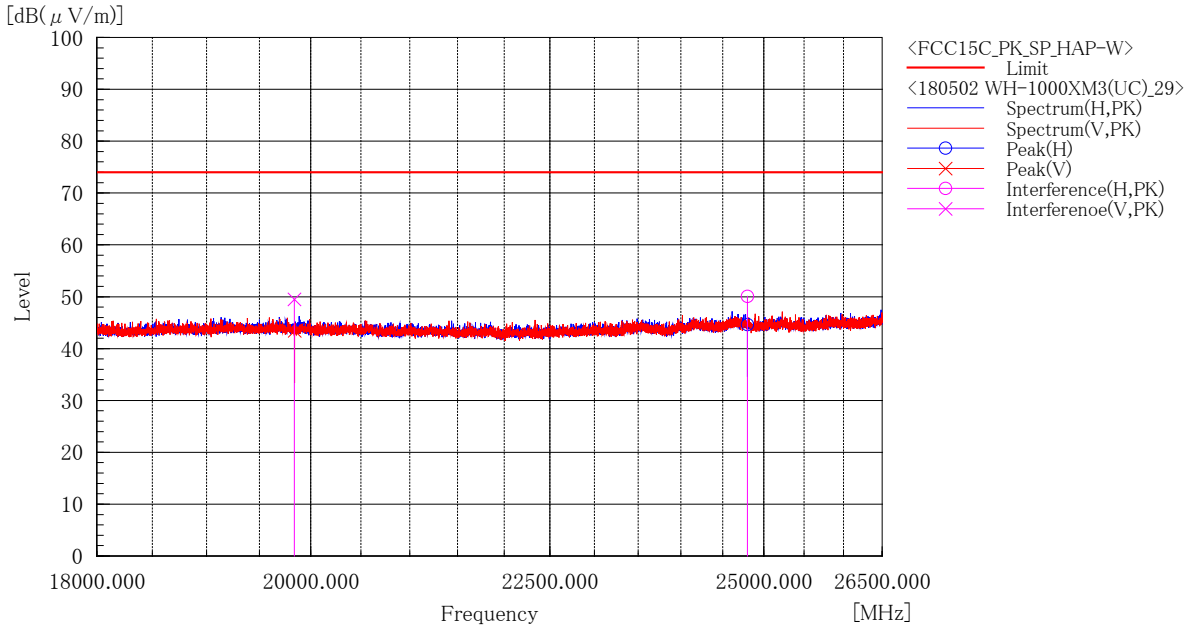
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	24410.000	45.7	4.5	50.2	74.0	23.8	280.0	146.1

[EDR(3DH3)/2480MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Radiated Emission>>

Model	: WH-1000XM3	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 310	Remark1	:
Operator	: M.KOUGA	Remark2	: X
Power	: DC 3.7V	Remark3	: 3DH3
Temp./Hum.	: 24deg / 55%	Remark4	: High



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	24800.000	45.6	4.5	50.1	74.0	23.9	289.0	189.1

--- Vertical Polarization (PK)---

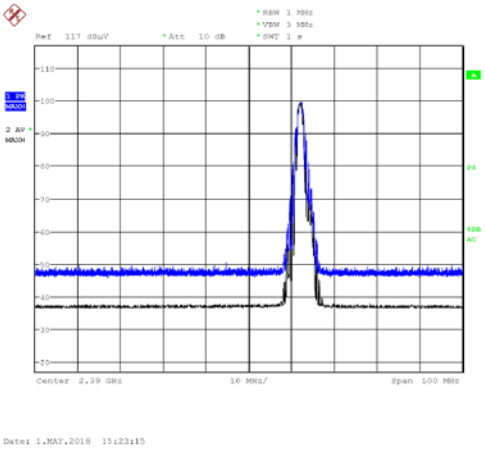
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19840.000	44.0	5.5	49.5	74.0	24.5	213.0	173.1

2.4GHz Restricted-Band Edge (Plot data)

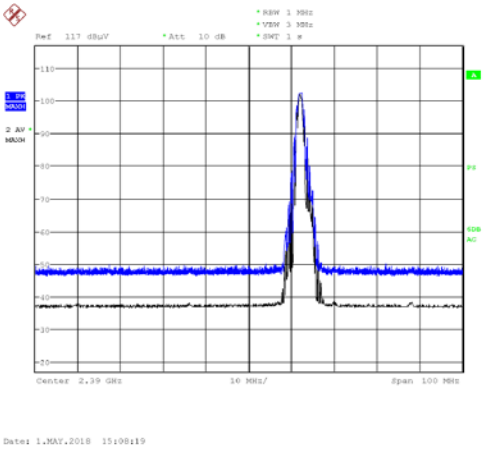
These plot data show peak (trace blue) and average (trace black) spectrum for worst case emissions in the restricted-band edges. (Restricted band edges: below 2390MHz and above 2483.5MHz)
The result of the final radiated emissions measurement refers in previous pages.

[BDR / 2402MHz]

Horizontal

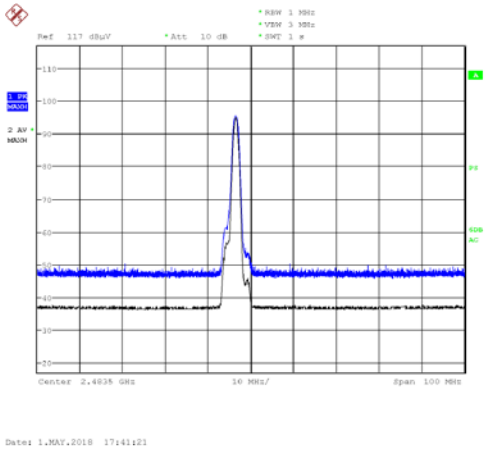


Vertical

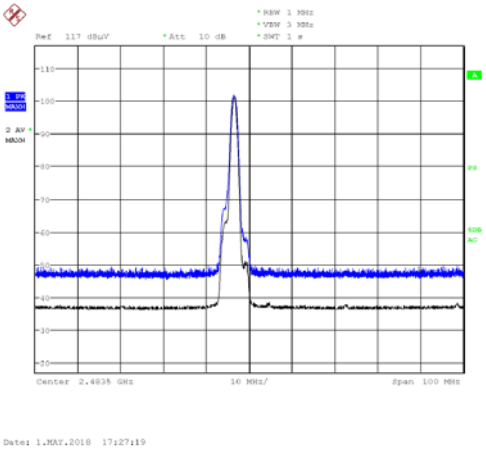


[BDR / 2480MHz]

Horizontal

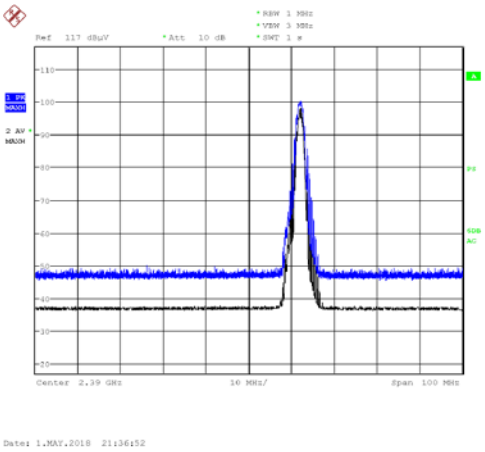


Vertical

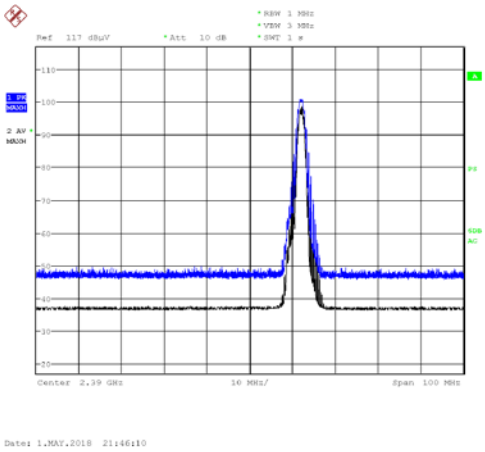


[EDR / 2402MHz]

Horizontal

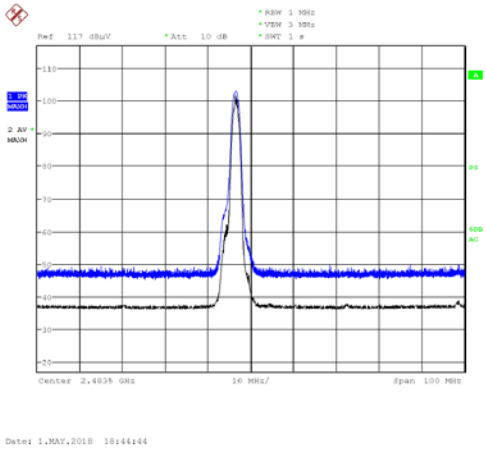


Vertical

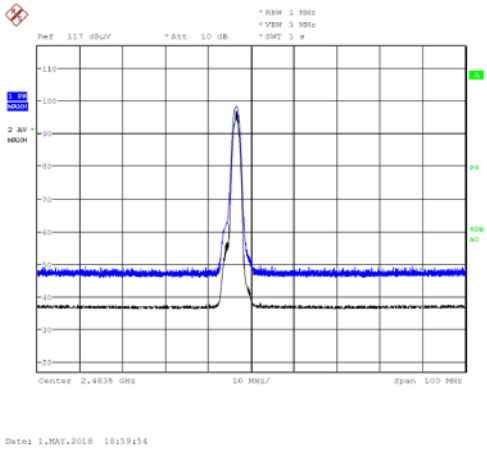


[EDR / 2480MHz]

Horizontal



Vertical

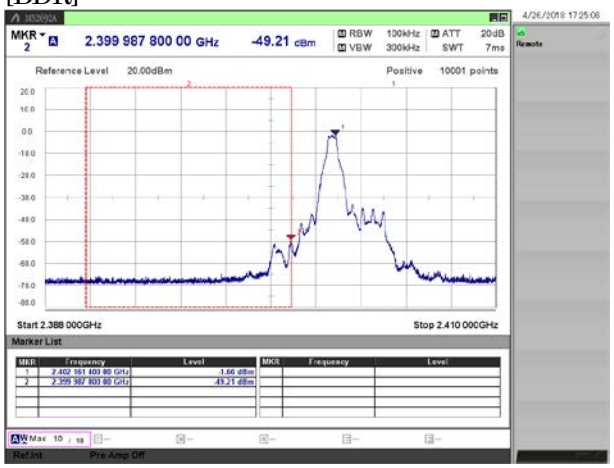


3.7. Conducted Spurious Emissions for Band Edge

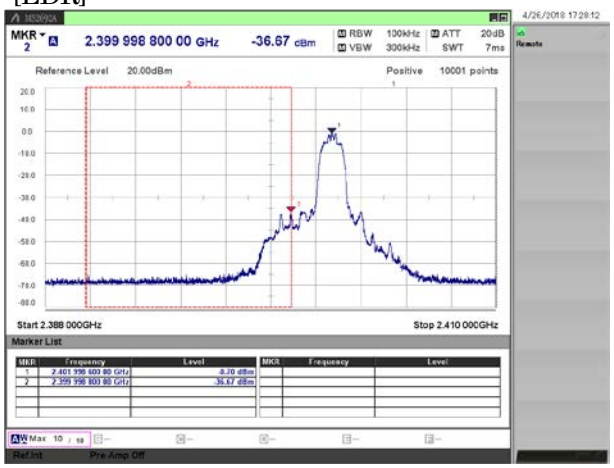
1) Ambient temperature : 21.9 deg.C
2) Relative humidity : 46.0 %
3) Date of measurement : April 26, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode		Channel [MHz]	Frequency [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result(PK) [dBm]	Limit [dBm]	Margin [dB]
BDR	DH5	2402	2402.16	-1.66	0.83	-0.83	-	-
			2399.99	-49.21	0.83	-48.38	-20.8	27.55
EDR	3DH3	2402	2402.00	-0.70	0.83	0.13	-	-
			2400.00	-36.67	0.83	-35.84	-19.9	15.97

[BDR]



[EDR]



4. Method of Calculation

4.1. Time of Occupancy (Dwell Time) Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.0

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.

4.2. Maximum Peak Conducted Output Power Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.0

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

4.3. 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)

4.4. Conducted Spurious Emission for Band Edge Measurement

Method of calculation		: Software
The Software for Calculation	Name	: SW-308
	Version	: Ver.3.0

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. Antenna-port Conducted Measurements

4th Site Shielded Room 1

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	-	Shield Room	B83117-B2432-T161	P26428	Albatross Project	-	-
x	W0101	Spectrum Analyzer	MS2692A	6201338955	Anritsu	12	18.04.03
x	W0006	Power Meter	N1911A	MY50000295	Keysight Technologies	12	17.10.03
x	W0007	Power Sensor	N1922A	MY50180022	Keysight Technologies	12	17.10.04
-	W0029	10dB Attenuator	8493C	76549	Keysight Technologies	12	17.08.03
x	WC0005	RF Cable	SUCOFLEX 102	34287	HUBER + SUHNER	12	17.08.03
x	M0720	Thermometer	TH-321	140044	AS ONE	12	17.06.09

5.2. Radiated Spurious Emissions

4th Site 10m Semi-Anechoic Chamber

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	M0506	EMC Chamber	None	-	TDK	12	17.07.10
x	M0515	EMI Receiver	ESCI	100606	Rohde & Schwarz	12	17.09.29
x	M0504	EMI Receiver	ESU40	100086	Rohde & Schwarz	12	17.11.02
x	A0073	Loop Antenna	HFH2-Z2	100171	Rohde & Schwarz	12	17.11.01
x	A0043	Biconical Antenna	BBA9106	VHA91032598 (V5)	Schwarzbeck	12	17.11.13
x	A0046	Log periodic Antenna	UHALP9108A1	0830	Schwarzbeck	12	17.11.13
x	A0056	Horn Antenna	BBHA9120D	670	Schwarzbeck	12	17.11.18
x	A0057	Horn Antenna-	HAP06-18W	00000037	TOYO Corporation	12	17.11.18
x	A0058	Horn Antenna	HAP18-26W	00000016	TOYO Corporation	12	17.12.01
-	CS0037	Fourth Site RE Cable SYS1	-	-	EMC/RF Test Lab.	12	17.11.19
x-	CS0039	Fourth Site RE Cable SYS3	-	-	EMC/RF Test Lab.	12	17.11.19
x	CS0054	Fourth Site EMF Cable SYS	-	-	EMC/RF Test Lab.	12	17.11.19
x	CS0064/0065	Fourth Site RE Cable SYS8	-	-	EMC/RF Test Lab.	12	17.11.19
x	M0510	RF Selector	NS4900	0802-226	TOYO Corporation	12	17.11.19
x	M0620	RF Pre-Amp	8447D	2944A10720	Keysight Technologies	12	17.11.19
x	M0706	3dB Attenuator	8491A	MY39267782	Keysight Technologies	12	17.11.19
x	M0831	GHz Filter Box	FB-G1	002	Sony GM&O	12	17.11.19
x	M0690	Thermometer	AD-5640A	201304	AND	12	17.11.14

About calibration interval

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