RADIO TEST REPORT

(for 2.4 GHz WLAN)

Project No.	:	JB-Z0419
Client	:	Sony Corporation
Client's Address	:	1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Product Name	:	Communication Module
Model No.	:	FLE01WBM
FCC ID	:	AK8FLE01WBM
Test Standard	:	47 CFR Part 15 Subpart C
Sample Receipt Date	:	May 14, 2018
Test Date	:	May 14, 2018 to July 13, 2018
Report Date	:	July 24, 2018
Test Result	:	Complied

Notice :

** These test results relate only to the items (combination equipment, test configuration, operation condition etc.) tested.*
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** 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.*

Reported by:

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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.

Revision History

Revision	Date	Overview	Page
JB-Z0419 (Original)	July 24, 2018	-	-

1. General Information

1.1. Description of Equipment Under Test (EUT)

General Specification

Test Sample Condition : ☐ Prototype ☒ Pre-production ☐ Mass-production
Product Name : Communication Module
Trade Name : SONY
Model No. : FLE01WBM
Serial No. : 1
Power Rating of the EUT : DC 3.3 V (The EUT was supplied with the power from the host device)

Similar model(s) to be covered by this report
Model No. : None

Radio Specification

Function of the Equipment : Transceiver
Adaptive Mode : CSMA/CA (LBT based mechanism)
Operating Frequency :

IEEE Standard	Operating Frequency Band	Channel Spacing	Bandwidth	Number of Channel
802.11b	2412 MHz to 2462 MHz	5 MHz	20 MHz	11
802.11g	2412 MHz to 2462 MHz	5 MHz	20 MHz	11
802.11n-HT20	2412 MHz to 2462 MHz	5 MHz	20 MHz	11
802.11n-HT40	2422 MHz to 2452 MHz	5 MHz	40 MHz	7

Modulation Type :

IEEE Standard	Type of modulation	
802.11b	DSSS	(DBPSK, DQPSK, CCK)
802.11g	OFDM	(BPSK, QPSK, 16QAM, 64QAM)
802.11n	OFDM	(BPSK, QPSK, 16QAM, 64QAM)

Antenna Type : Inverted-F Antenna
Antenna Connector Type : None
Antenna Gain : 1.1 dBi
Operating Temperature : -30 to +85 deg.C

1.2. Summary of Test Result

Test Item	Worst Margin	Results	Note
AC Power-line Conducted Emissions	22.7 dB (AV) 9.408 MHz N	Complied	-
6dB Bandwidth	Refer to the test data	Complied	-
Maximum Conducted Output Power	6.43 dB	Complied	-
Power Spectral Density	19.26 dB	Complied	-
Radiated Spurious Emissions	4.1 dB (AV) 2483.500 MHz Horizontal	Complied	-
Conducted Spurious Emissions for Band Edge	8.07 dB 2399.98 MHz	Complied	*1

Note

*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 is provided with stable DC 3.3V from the host device)
Part 15.203 / 212 Antenna requirement : Complied
(Users cannot replace the external antenna, since it is mounted to the EUT inside)

1.3. Tested Methodology

Test Standard : 47 CFR Part15 Subpart C
Test Method : ANSI C63.10 - 2013
KDB 558074 D01 DTS Meas. Guidance v04

Test Condition

AC Power-line Conducted Emissions
Dimensions of the EUT table : 0.8m height, 2m width and 1m depth.

Radiated Spurious Emissions
Test Distance : ☒ 3 m ☐ 10m (9 kHz to 30 MHz)
☒ 3 m ☐ 10m (30 MHz to 1000 MHz)
☒ 3 m (1 GHz to 25 GHz)
Dimensions of the EUT table
Below 1GHz : 0.8 m height, 0.5 m width and 1 m depth.
Above 1GHz : 1.5 m height, 2 m width and 1 m depth.

1.4. Measurement Procedures

We performed the measurements in accordance with NV3-06, available upon the request.
☒ No deviation
☐ Deviation from the above procedure

The summary of the above procedure is mentioned below

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 six 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)

Antenna-port Conducted Measurements

1. Antenna-port of the EUT was connected to the power sensor (Maximum 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
	802.11b/g/n-HT20	802.11n-HT40	
6dB Bandwidth	Peak	Peak	100 kHz
99% Occupied Bandwidth	-	Peak	1 MHz
Maximum Conducted Output Power	Peak	Average	-
Power Spectral Density	Peak	RMS	3 kHz
Conducted Spurious Emissions for Band Edge	Peak	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 – 24.835 GHz, peak detector)
6. On the worst arrangement of the EUT found in above, choose the six 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 to 30 MHz	30 MHz to 1000 MHz	1 GHz to 24.835 GHz
Antenna	Loop Antenna	Bi-conical Antenna, Log-periodic Antenna	Horn Antenna
Antenna scanning range	1 m, Vertical, 360 degrees	1 m to 4 m, Horizontal and Vertical	1 m to 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 to 90 kHz 110 kHz to 490 kHz	90 kHz to 110 kHz 490 kHz to 30 MHz	30 MHz to 1000 MHz	1 GHz to 24.835 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 (3 dB)
VBW	N/A	N/A	N/A	3 MHz (for peak) 10 kHz (for average) *2
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.
   *2: VBW setting (for average) was higher than 1/T. (T is the minimum transmission duration)

7. If the final measurement result exceeded the limit in non-restricted band(excluding carrier band edges), the measurement is carried out additionally with follows;

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

	9 kHz to 150 kHz	150 kHz to 30 MHz	30 MHz to 24.835 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 (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 Location

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

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

AC Power-line Conducted Emissions
Shielded Room
☒ 4th Site ☐ EMC Site

Antenna-port Conducted Measurements
Shielded Room
☒ 4th Site SR1

Radiated Spurious Emission
Semi-Anechoic chamber
☐ 4th Site ☒ EMC Site

1.6. Uncertainty

Test Item	Frequency	4th Site SR1
Conducted Output Power	1 GHz to 6 GHz	± 0.84 dB
Power Spectral Density Conducted Spurious Emissions	below 6 GHz	± 1.25 dB

Test Item	Frequency	Distance	4th Site
AC Power-line Conducted Emissions	150kHz - 30MHz	-	± 3.34 dB
Radiated Emissions	9kHz - 30 MHz	3m	± 2.60 dB
	30 - 300 MHz	3m	± 2.61 dB
	300 - 1000 MHz	3m	± 2.59 dB
	1 - 7 GHz	3m	± 2.84 dB
	7 - 18 GHz	3m	± 2.84 dB
	18 - 26.5 GHz	3m	± 2.84 dB

Test Item	Frequency	Distance	EMC Site
AC Power-line Conducted Emissions	150kHz - 30MHz	-	± 3.34 dB
Radiated Emissions	9kHz - 30 MHz	3m	± 3.13 dB
	30 - 300 MHz	3m	± 3.14 dB
	300 - 1000 MHz	3m	± 3.12 dB
	1 - 6 GHz	3m	± 3.33 dB
	6 - 18 GHz	3m	± 3.33 dB
	18 - 26.5 GHz	3m	± 3.33 dB

2. Test Specification

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. Operating Condition

The tests have been carried out the following conditions.
[Transmitting mode]

Test Items	Test Channels	Worst Data Rate *1
AC Power-line Conducted Emissions *2	2412MHz	802.11b : 1 Mbps
Radiated Spurious Emissions (below 1GHz) *2	2412MHz	802.11n(HT20) : MCS1
	2437 MHz	802.11n(HT40) : MCS0
6dB Bandwidth, Maximum Conducted Output Power, Power Spectral Density, Radiated Spurious Emissions (above 1GHz)	2412 MHz 2437 MHz 2462 MHz	802.11b : 1 Mbps 802.11g : 6 Mbps 802.11n(HT20) : MCS1
	2422 MHz 2437 MHz 2452 MHz	802.11n(HT40) : MCS0
Conducted Spurious Emissions for Band Edge	2412 MHz	802.11b : 1 Mbps 802.11g : 6 Mbps 802.11n(HT20) : MCS1
	2422 MHz	802.11n(HT40) : MCS0

Note
*1: The worst data rate has been decided based on the result of Maximum Conducted Output Power.
*2: The test was performed with the representative mode that had been found as the worst emissions while exploratory testing.

The Software for Operating Mode

Software Name : Labtool
Software Version : 2.0.0.59

2.3. Special Accessories

Special accessories needed for connecting the EUT to achieve compliance:

Item	Manufacturer	Model No.	Serial No.	Remark
Personal Computer	lenovo	X230	38-35674	*3
AC Adaptor	lenovo	42T4418	Z1ZGWG08PAWL	*3
Personal Computer	DELL	E5530	35-38090	*4
AC Adaptor	DELL	LA65NS-01	2CH-6C50	*4

Note
*3: Used in AC Power-line Conducted Emissions and Radiated Spurious Emissions.
*4: Used in Antenna-port Conducted Measurements.

2.4. 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	:

2.5. Configuration of EUT System

AC Power-line Conducted Emissions

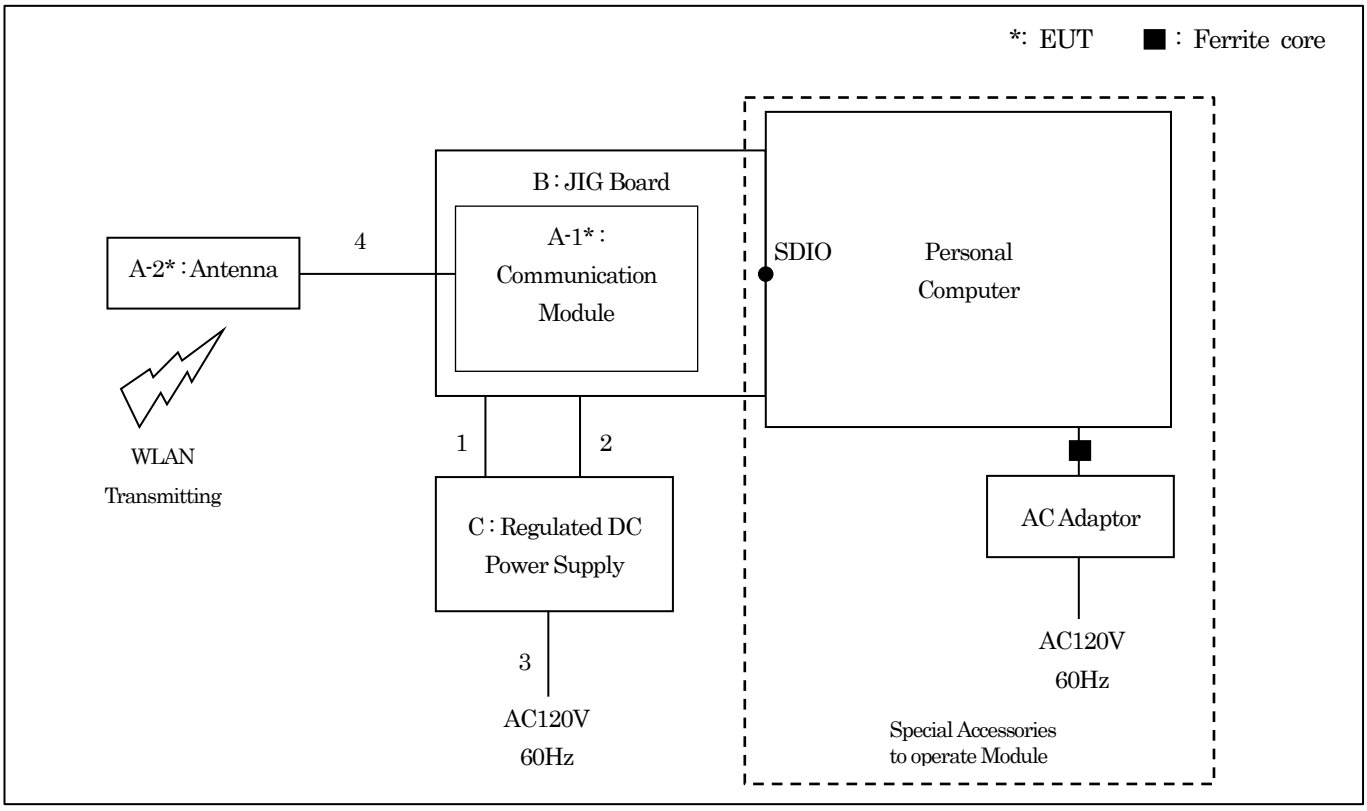
[EUT and Associated Equipment (AE)]

Symbol	EUT/ AE	Item	Manufacturer	Model No.	Serial No.
A-1	EUT	Communication Module	SONY	FLE01WBM	1
A-2	EUT	Antenna	SONY	-	-
B	AE	JIG Board	-	-	-
C	AE	Regulated DC Power Supply	KENWOOD	PW18-1.3AT	7030091

[Type of Cable]

Symbol	Description	Identification (Manufacturer etc.)	Shielded Yes / No	Ferrite Core	Length (m)	Bundled
1	DC Cable	-	No	No	1.8	-
2	DC Cable	-	No	No	2.0	-
3	AC Cable	-	No	No	2.0	Bundled
4	Antenna Cable	-	No	No	0.5	-

[Connecting Diagram]



Antenna-port Conducted Measurements

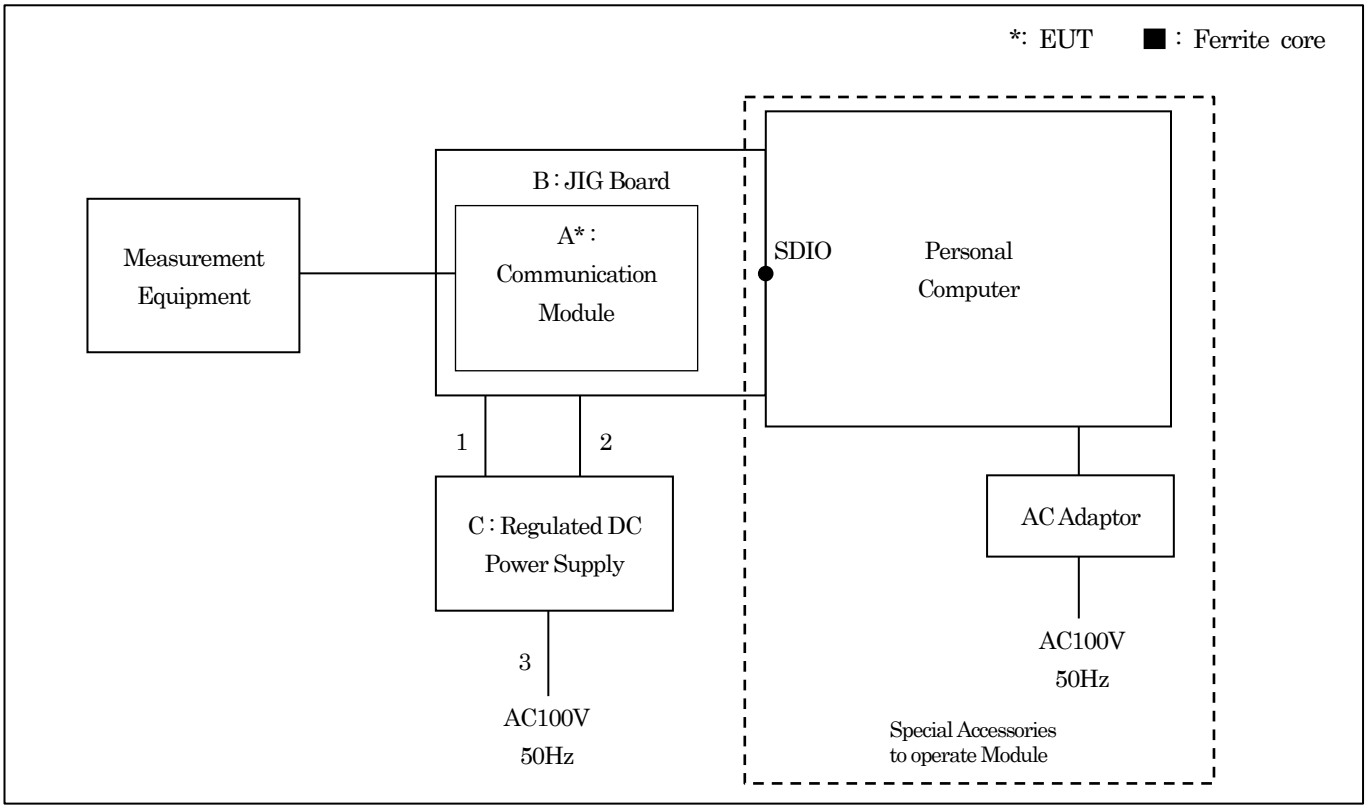
[EUT and Associated Equipment (AE)]

Symbol	EUT/ AE	Item	Manufacturer	Model No.	Serial No.
A	EUT	Communication Module	SONY	FLE01WBM	1
B	AE	JIG Board	-	-	-
C	AE	Regulated DC Power Supply	KENWOOD	PW18-1.3AT	7030091

[Type of Cable]

Symbol	Description	Identification (Manufacturer etc.)	Shielded Yes / No	Ferrite Core	Length (m)	Bundled
1	DC Cable	-	No	No	1.0	-
2	DC Cable	-	No	No	1.0	-
3	AC Cable	-	No	No	2.0	-

[Connecting Diagram]



Radiated Spurious Emissions

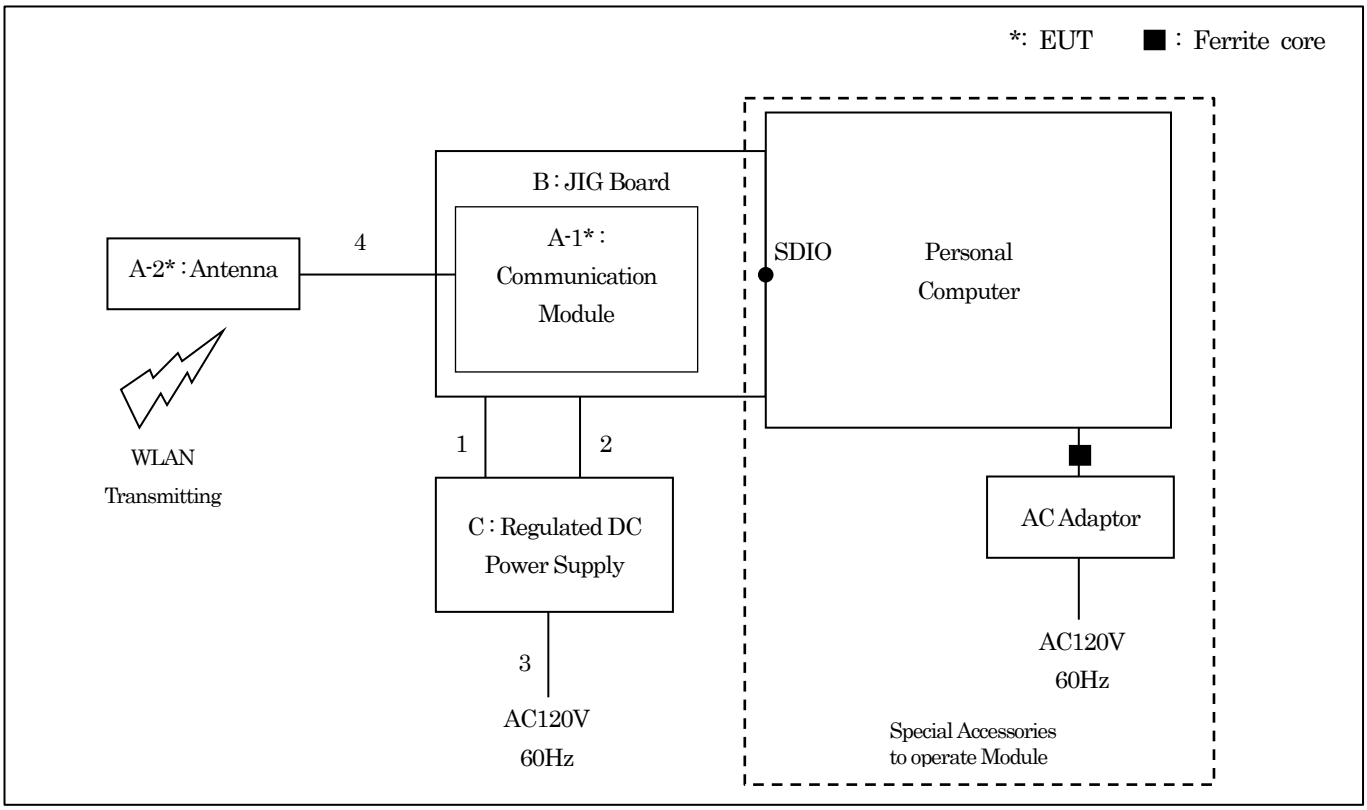
[The EUT and Associated Equipment (AE)]

Symbol	EUT/ AE	Item	Manufacturer	Model No.	Serial No.
A-1	EUT	Communication Module	SONY	FLE01WBM	1
A-2	EUT	Antenna	SONY	-	-
B	AE	JIG Board	-	-	-
C	AE	Regulated DC Power Supply	KENWOOD	PWR18-2P	6120013

[Type of Cable]

Symbol	Description	Identification (Manufacturer etc.)	Shielded Yes / No	Ferrite Core	Length (m)	Bundled
1	DC Cable	-	No	No	1.8	-
2	DC Cable	-	No	No	2.0	-
3	AC Cable	-	No	No	2.0	-
4	Antenna Cable	-	No	No	0.5	-

[Connecting Diagram]



3. Test Data

3.1. AC Power-line Conducted Emissions

1) Date of measurement : July 13, 2018

The test data is mentioned as follows.

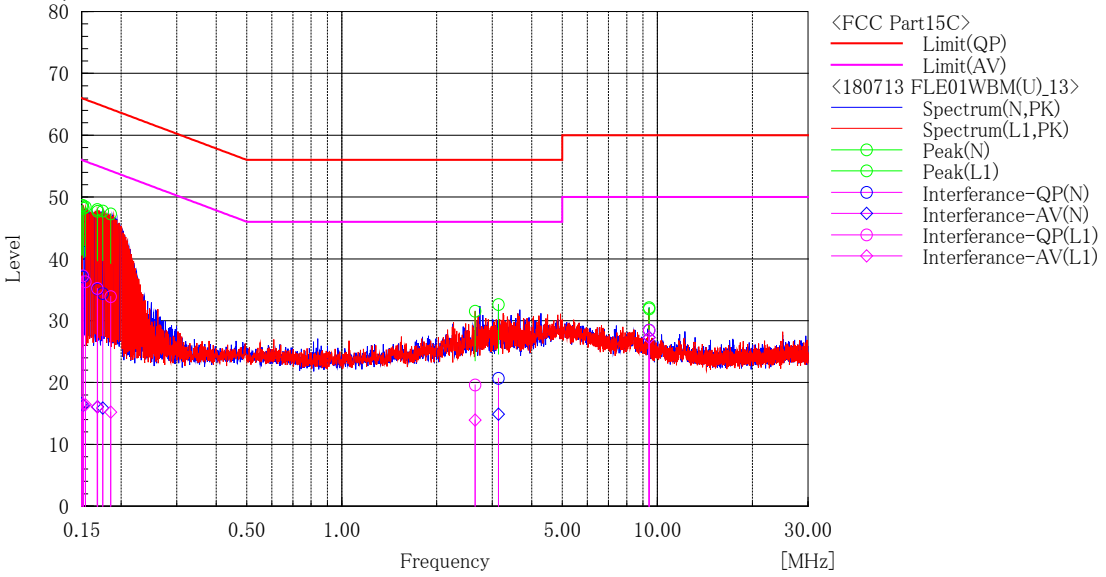
[802.11b/ 2412 MHz]

Sony Global M&O Corp
Kisarazu DTS

<<Conducted Emission>>

Model : FLE01WBM
Serial : 1
Operator : Y.MORIMOTO
Power : AC120V / 60Hz
Temp./Hum. : 24deg. / 59%

Limit : FCC Part15C
Remark1 :
Remark2 :
Remark3 : 11b 1M
Remark4 : Low



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	0.150	21.0	0.4	16.2	37.2	16.6	66.0	56.0	28.8	39.4
2	0.152	20.9	0.1	16.2	37.1	16.3	65.9	55.9	28.8	39.6
3	0.169	18.5	-0.5	16.6	35.1	16.1	65.0	55.0	29.9	38.9
4	0.175	17.8	-0.7	16.6	34.4	15.9	64.7	54.7	30.3	38.8
5	3.136	4.6	-1.2	16.1	20.7	14.9	56.0	46.0	35.3	31.1
6	9.408	12.2	11.0	16.3	28.5	27.3	60.0	50.0	31.5	22.7

--- L1 Phase ---

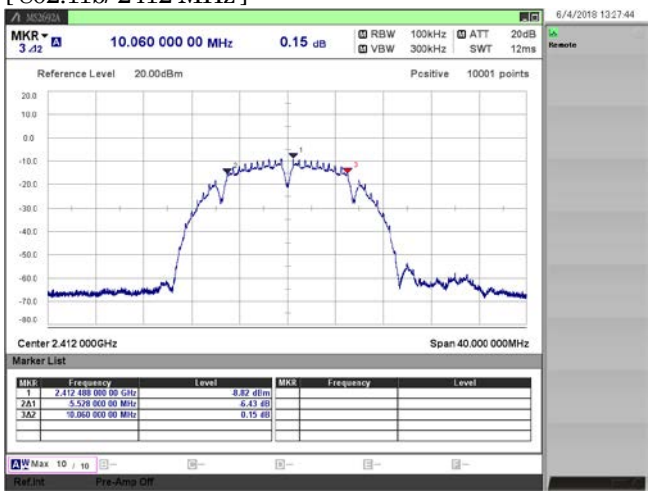
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	0.152	21.0	0.3	16.2	37.2	16.5	65.9	55.9	28.7	39.4
2	0.154	20.0	0.1	16.3	36.3	16.4	65.8	55.8	29.5	39.4
3	0.168	18.6	-0.6	16.6	35.2	16.0	65.1	55.1	29.9	39.1
4	0.186	17.4	-1.3	16.5	33.9	15.2	64.2	54.2	30.3	39.0
5	2.648	3.5	-2.2	16.1	19.6	13.9	56.0	46.0	36.4	32.1
6	9.408	12.1	10.9	16.3	28.4	27.2	60.0	50.0	31.6	22.8

3.2. 6dB Bandwidth

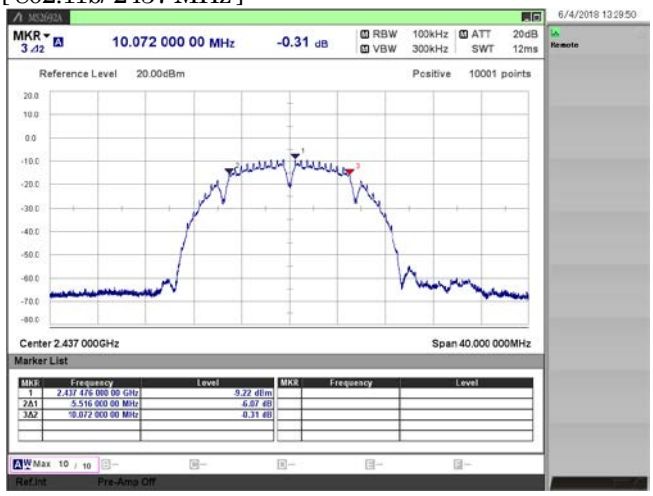
1) Ambient temperature : 23.5deg.C
2) Relative humidity : 49.0 %
3) Date of measurement : June 04, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode	Rate [Mbps]	Channel [MHz]	6dB Bandwidth Result [MHz]	6dB Bandwidth Limit [MHz]	99% OBW Result [MHz]
11b	1	2412	10.060	0.5	-
		2437	10.072	0.5	-
		2462	10.072	0.5	-
11g	6	2412	16.352	0.5	-
		2437	16.340	0.5	-
		2462	16.360	0.5	-
11n (HT20)	MCS1	2422	17.556	0.5	-
		2437	17.564	0.5	-
		2452	17.548	0.5	-
11n (HT40)	MCS0	2422	35.800	0.5	36.384
		2437	35.784	0.5	36.392
		2452	35.800	0.5	36.376

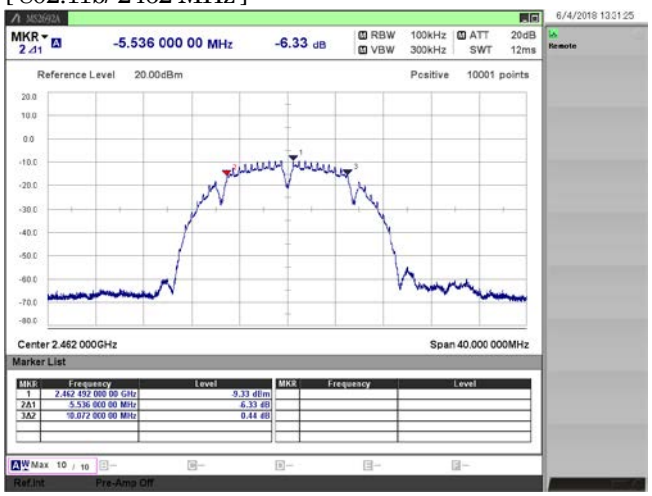
[802.11b/ 2412 MHz]



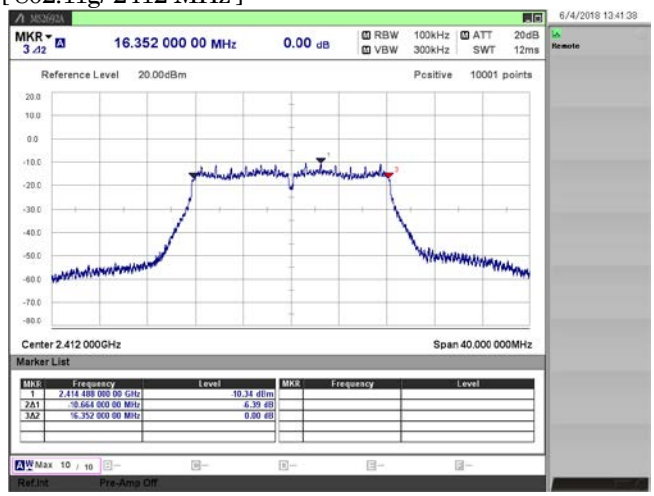
[802.11b/ 2437 MHz]



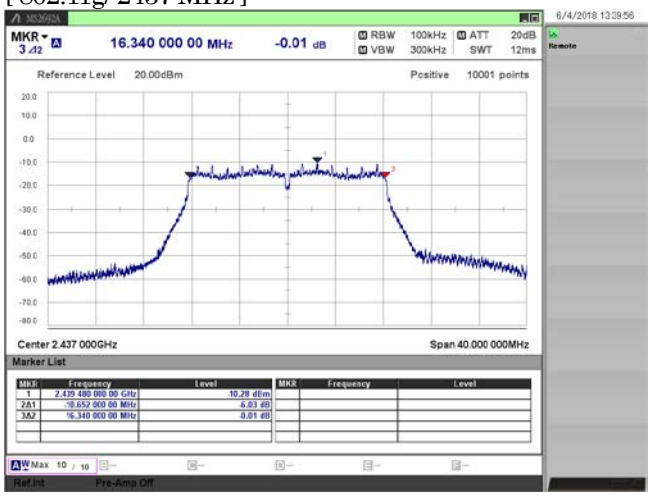
[802.11b/ 2462 MHz]



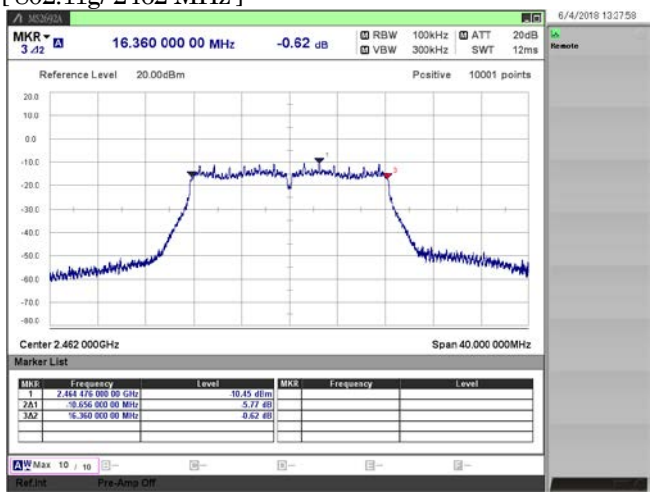
[802.11g/ 2412 MHz]



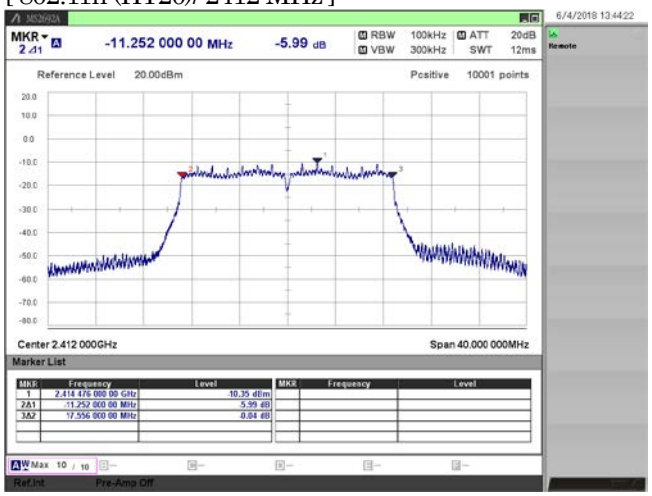
[802.11g/ 2437 MHz]



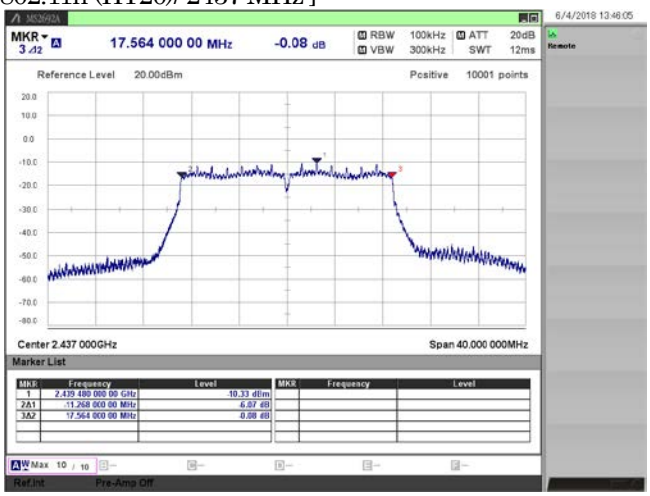
[802.11g/ 2462 MHz]



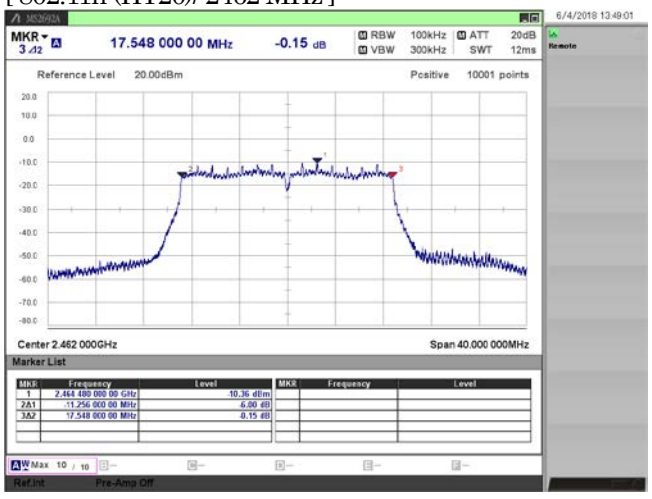
[802.11n (HT20)/ 2412 MHz]



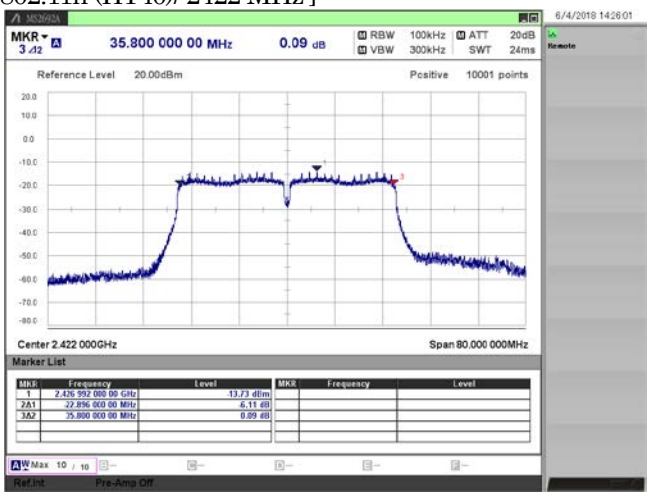
[802.11n (HT20)/ 2437 MHz]



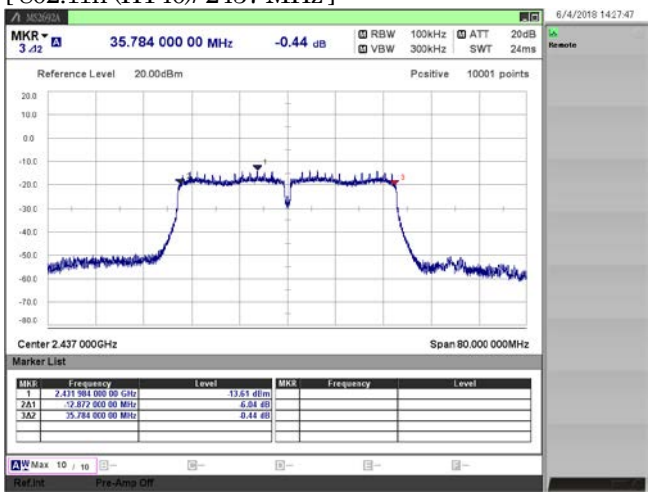
[802.11n (HT20)/ 2462 MHz]



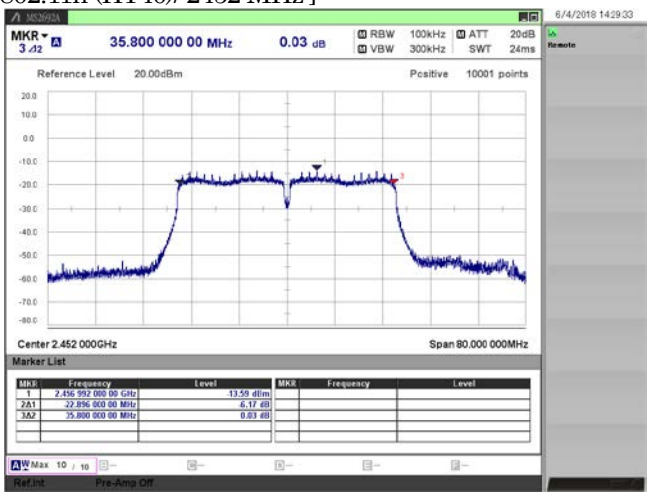
[802.11n (HT40)/ 2422 MHz]



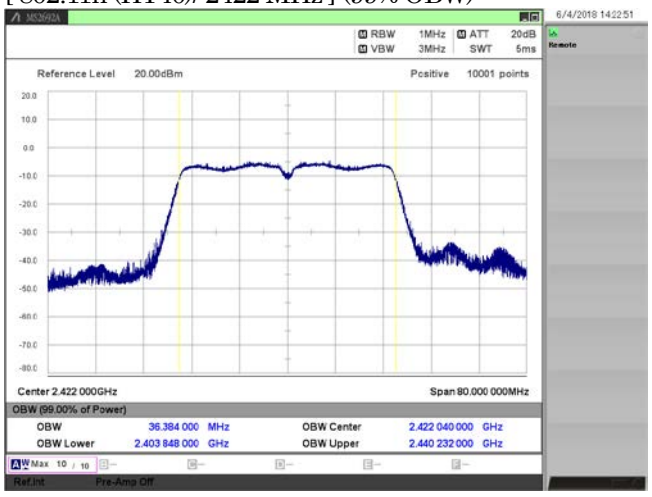
[802.11n (HT40)/ 2437 MHz]



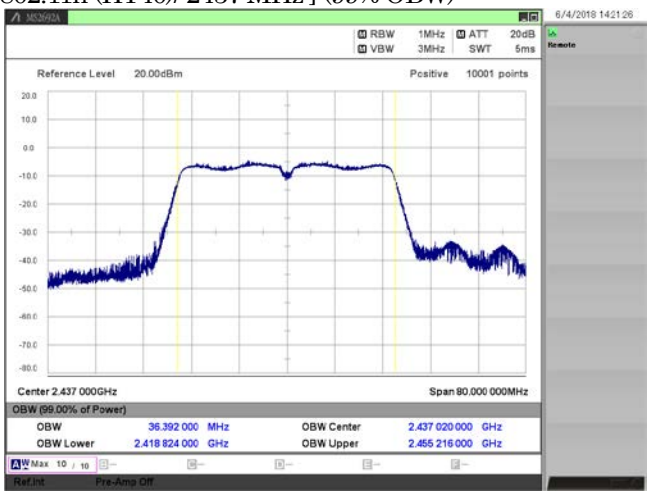
[802.11n (HT40)/ 2452 MHz]



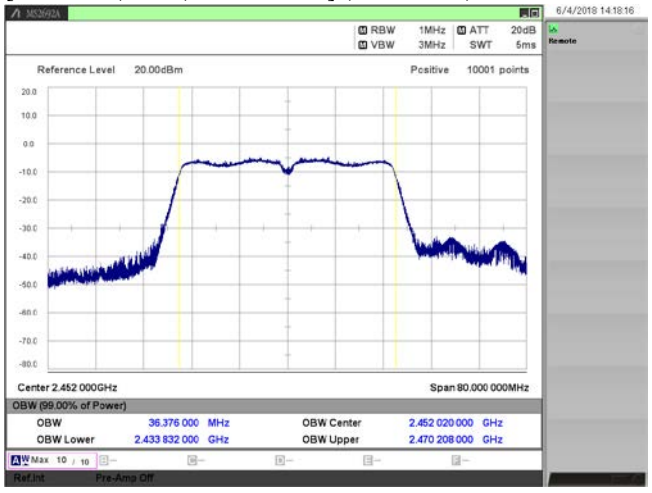
[802.11n (HT40)/ 2422 MHz] (99% OBW)



[802.11n (HT40)/ 2437 MHz] (99% OBW)



[802.11n (HT40)/ 2452 MHz] (99% OBW)



3.3. Maximum Conducted Output Power

1) Ambient temperature : 21.0deg.C
2) Relative humidity : 45.0 %
3) Date of measurement : May 14, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Maximum Peak Conducted Output Power

Mode	Rate [Mbps]	Channel [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result(PK) [dBm]	Result(PK) [W]	Limit [dBm]	Margin [dB]
11b	1	2412	5.63	10.92	16.55	0.04519	30.0	13.45
		2437	5.44	10.92	16.36	0.04325	30.0	13.64
		2462	5.47	10.92	16.39	0.04355	30.0	13.61
11g	6	2412	12.36	10.92	23.28	0.21281	30.0	6.72
		2437	12.22	10.92	23.14	0.20606	30.0	6.86
		2462	11.61	10.92	22.53	0.17906	30.0	7.47
11n (HT20)	MCS1	2412	12.65	10.92	23.57	0.22751	30.0	6.43
		2437	12.43	10.92	23.35	0.21627	30.0	6.65
		2462	11.74	10.92	22.66	0.18450	30.0	7.34

Maximum Average Conducted Output Power

Mode	Rate [Mbps]	Channel [MHz]	Reading(AV) [dBm]	C.F. [dB]	Duty Factor [dB]	Result(AV) [dBm]	Result(AV) [W]	Limit [dBm]	Margin [dB]
11n (HT40)	MCS0	2422	1.56	10.92	0.08	12.56	0.01803	30.0	17.44
		2437	1.57	10.92	0.08	12.57	0.01807	30.0	17.43
		2452	1.29	10.92	0.08	12.29	0.01694	30.0	17.71

Maximum Average Conducted Output Power (for SAR measurement)

Mode	Rate [Mbps]	Channel [MHz]	Reading(AV) [dBm]	C.F. [dB]	Duty Factor [dB]	Result(AV) [dBm]	Result(AV) [W]
11b	1	2412	2.45	10.92	0.01	13.38	0.02178
		2437	2.25	10.92	0.01	13.18	0.02080
		2462	2.26	10.92	0.01	13.19	0.02084
11g	6	2412	1.76	10.92	0.07	12.75	0.01884
		2437	1.87	10.92	0.07	12.86	0.01932
		2462	1.55	10.92	0.07	12.54	0.01795
11n (HT20)	MCS1	2412	1.60	10.92	0.07	12.59	0.01816
		2437	1.74	10.92	0.07	12.73	0.01875
		2462	1.58	10.92	0.07	12.57	0.01807

Worst Data Rate check

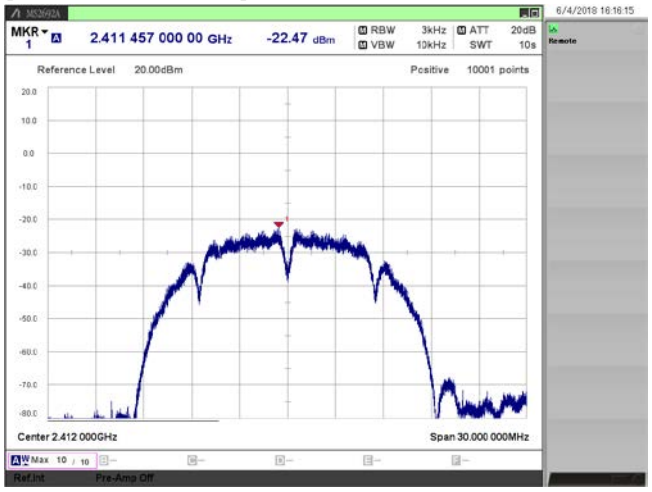
Mode	Rate [Mbps]	Channel [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result(PK) [dBm]	Reading(AV) [dBm]	Duty Factor [dB]	Result(AV) [dBm]
11b	1	2437	5.44	10.92	16.36	2.25	0.01	13.18
	2	2437	5.34	10.92	16.26	1.85	0.02	12.79
	5.5	2437	4.42	10.92	15.34	1.35	0.06	12.33
	11	2437	4.87	10.92	15.79	1.31	0.11	12.34
11g	6	2437	12.22	10.92	23.14	1.87	0.07	12.86
	9	2437	11.29	10.92	22.21	1.73	0.10	12.75
	12	2437	11.57	10.92	22.49	1.35	0.13	12.40
	18	2437	11.18	10.92	22.10	1.24	0.19	12.35
	24	2437	11.68	10.92	22.60	1.67	0.25	12.84
	36	2437	10.90	10.92	21.82	1.06	0.36	12.34
	48	2437	11.25	10.92	22.17	1.00	0.45	12.37
	54	2437	11.05	10.92	21.97	1.01	0.50	12.43
11n (HT20)	MCS0	2437	11.63	10.92	22.55	1.74	0.07	12.73
	MCS1	2437	12.43	10.92	23.35	1.33	0.14	12.39
	MCS2	2437	11.38	10.92	22.30	1.17	0.20	12.29
	MCS3	2437	11.37	10.92	22.29	1.21	0.26	12.39
	MCS4	2437	11.70	10.92	22.62	1.17	0.36	12.45
	MCS5	2437	12.27	10.92	23.19	1.11	0.46	12.49
	MCS6	2437	11.54	10.92	22.46	1.18	0.49	12.59
	MCS7	2437	10.97	10.92	21.89	1.04	0.54	12.50
11n (HT40)	MCS0	2437	-	10.92	-	1.57	0.08	12.57
	MCS1	2437	-	10.92	-	1.24	0.14	12.30
	MCS2	2437	-	10.92	-	1.27	0.21	12.40
	MCS3	2437	-	10.92	-	1.13	0.27	12.32
	MCS4	2437	-	10.92	-	1.03	0.38	12.33
	MCS5	2437	-	10.92	-	1.16	0.48	12.56
	MCS6	2437	-	10.92	-	0.90	0.52	12.34
	MCS7	2437	-	10.92	-	0.92	0.57	12.41

3.4. Power Spectral Density

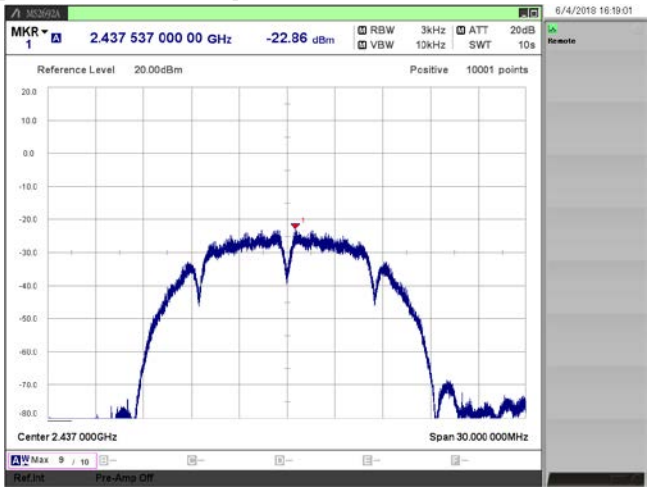
1) Ambient temperature : 23.5deg.C
2) Relative humidity : 49.0 %
3) Date of measurement : June 04, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode	Rate [Mbps]	Channel [MHz]	Reading [dBm]	C.F. [dB]	Result [dBm/ 3kHz]	Limit [dBm/ 3kHz]	Margin [dB]
11b	1	2412	-22.47	11.21	-11.26	8.0	19.26
		2437	-22.86	11.22	-11.64	8.0	19.64
		2462	-22.73	11.22	-11.51	8.0	19.51
11g	6	2412	-25.23	11.21	-14.02	8.0	22.02
		2437	-25.81	11.22	-14.59	8.0	22.59
		2462	-25.61	11.22	-14.39	8.0	22.39
11n (HT20)	MCS1	2412	-24.59	11.21	-13.38	8.0	21.38
		2437	-24.59	11.22	-13.37	8.0	21.37
		2462	-24.40	11.22	-13.18	8.0	21.18
11n (HT40)	MCS0	2422	-28.08	11.21	-16.87	8.0	24.87
		2437	-28.90	11.22	-17.68	8.0	25.68
		2452	-28.74	11.22	-17.52	8.0	25.52

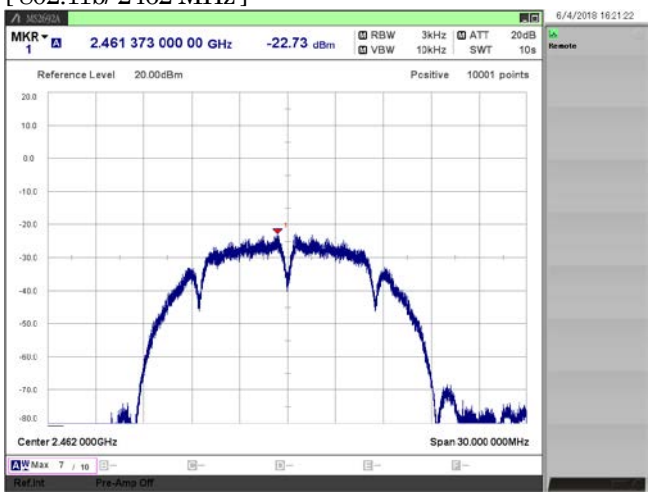
[802.11b/ 2412 MHz]



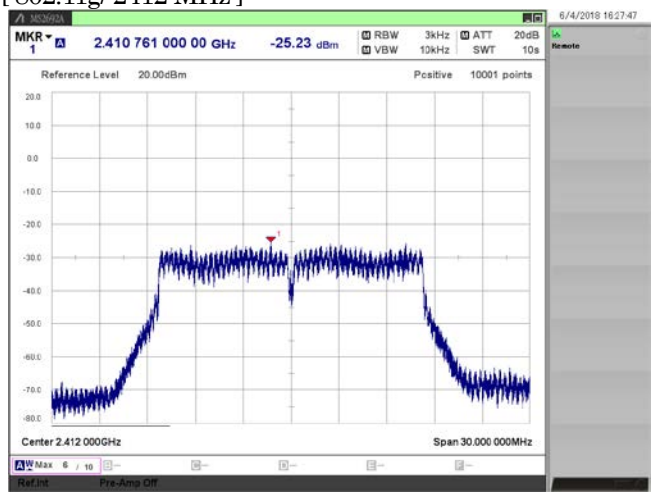
[802.11b/ 2437 MHz]



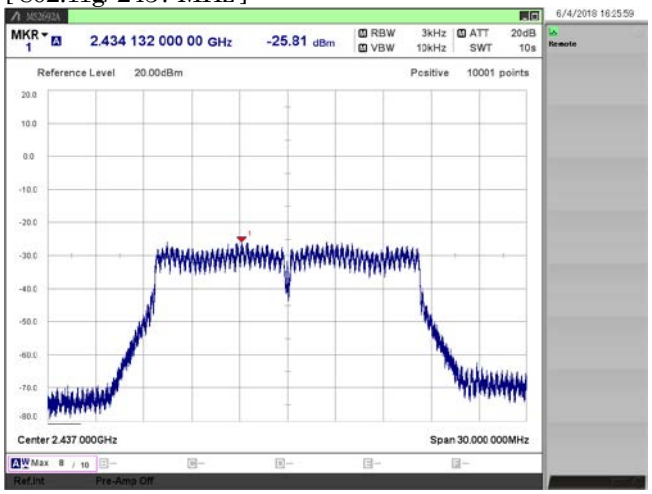
[802.11b/ 2462 MHz]



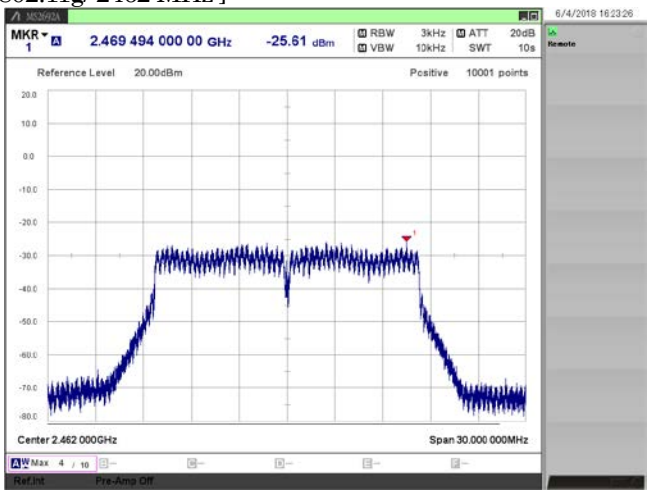
[802.11g/ 2412 MHz]



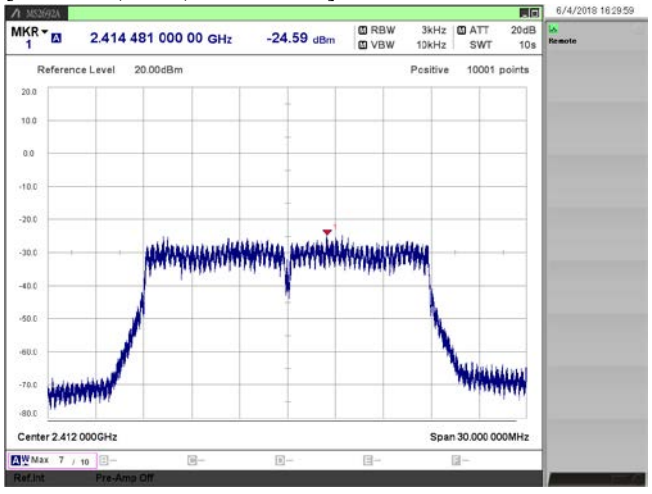
[802.11g/ 2437 MHz]



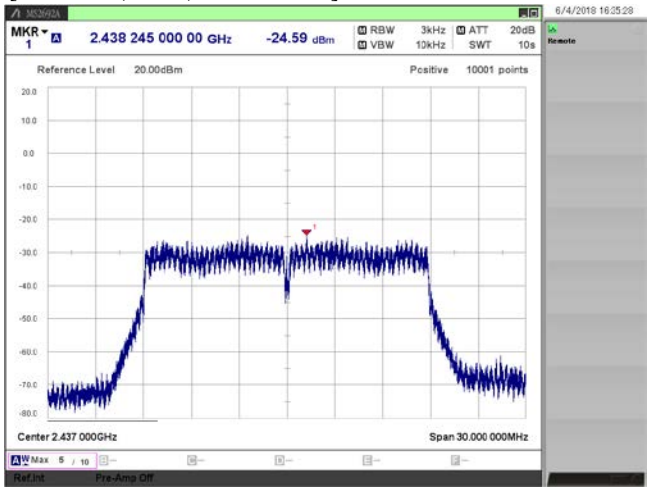
[802.11g/ 2462 MHz]



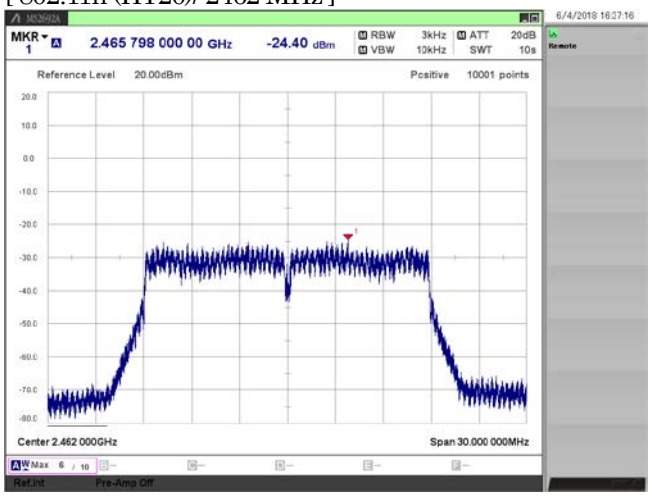
[802.11n (HT20)/ 2412 MHz]



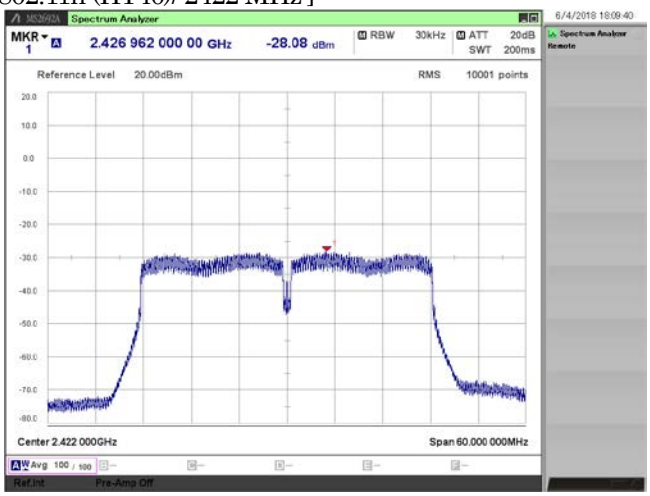
[802.11n (HT20)/ 2437 MHz]



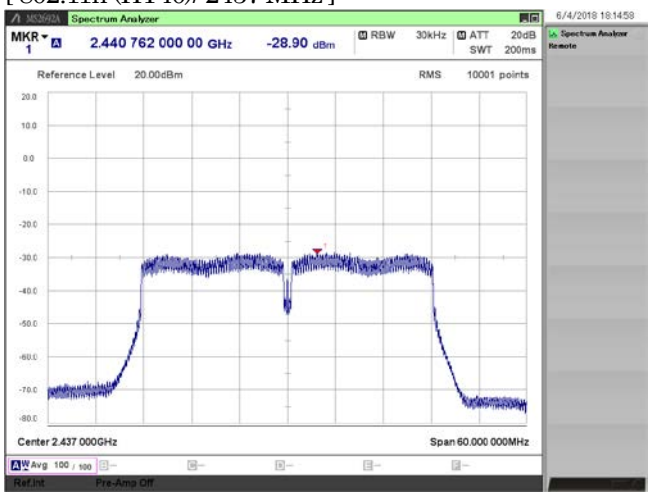
[802.11n (HT20)/ 2462 MHz]



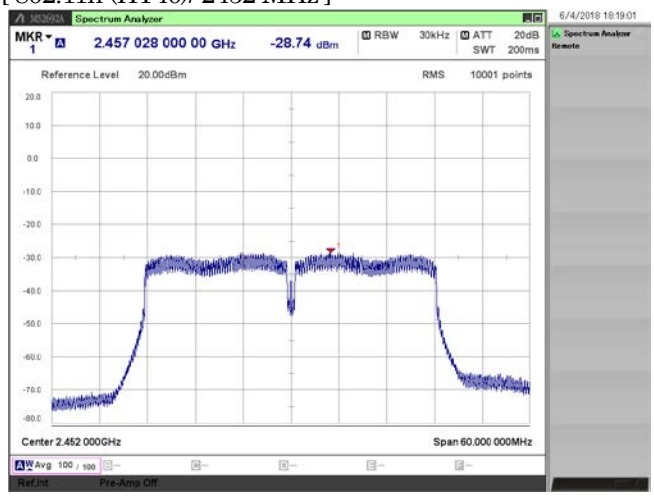
[802.11n (HT40)/ 2422 MHz]



[802.11n (HT40)/ 2437 MHz]



[802.11n (HT40)/ 2452 MHz]



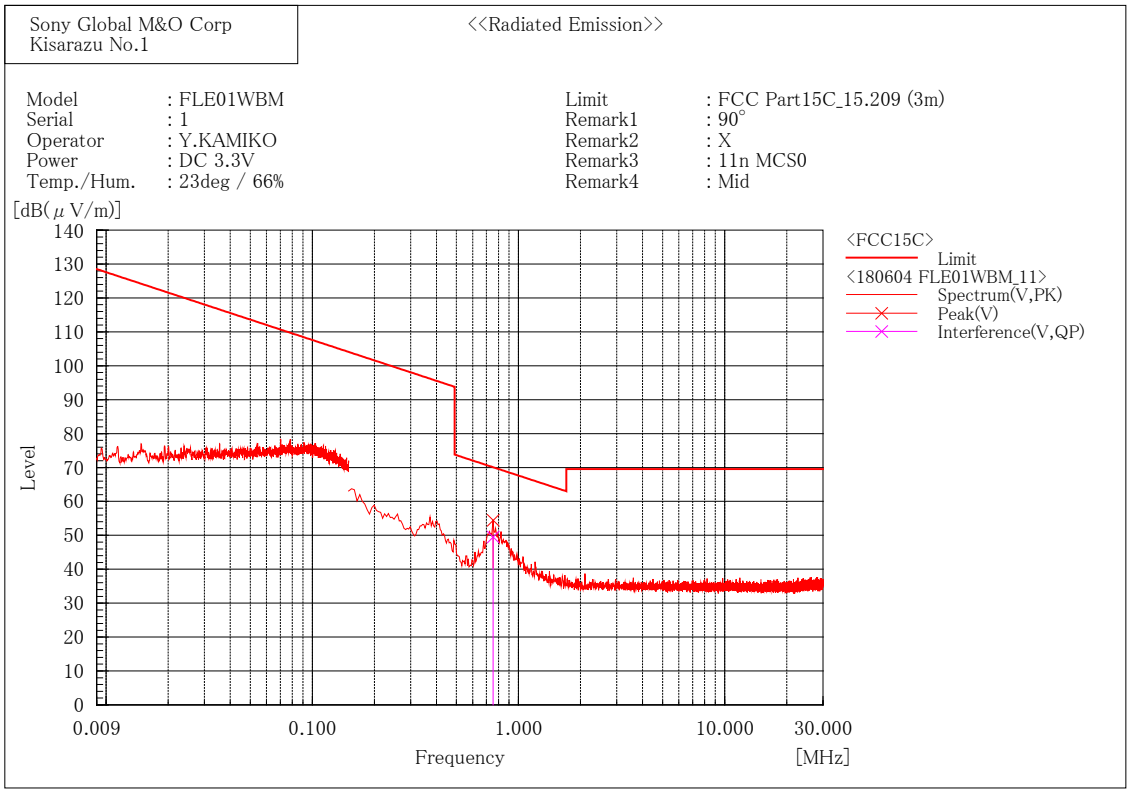
3.5. Radiated Spurious Emissions

1) Date of measurement

9 kHz to 30 MHz	: June 04, 2018	(all mode)
30 MHz to 1000 MHz	: July 08, 2018	(all mode)
1 GHz to 6 GHz	: July 17, 2018	(802.11n (HT40)) July 10, 2018(other mode)
6 GHz to 18 GHz	: May 30, 2018	(all mode)
18 GHz to 24.835 GHz	: May 30, 2018	(all mode)

The test data is mentioned as follows.

9 kHz to 30 MHz
[802.11n_HT40/ 2437 MHz]



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	0.754	30.0	19.5	49.5	70.1	20.6	100.0	13.3

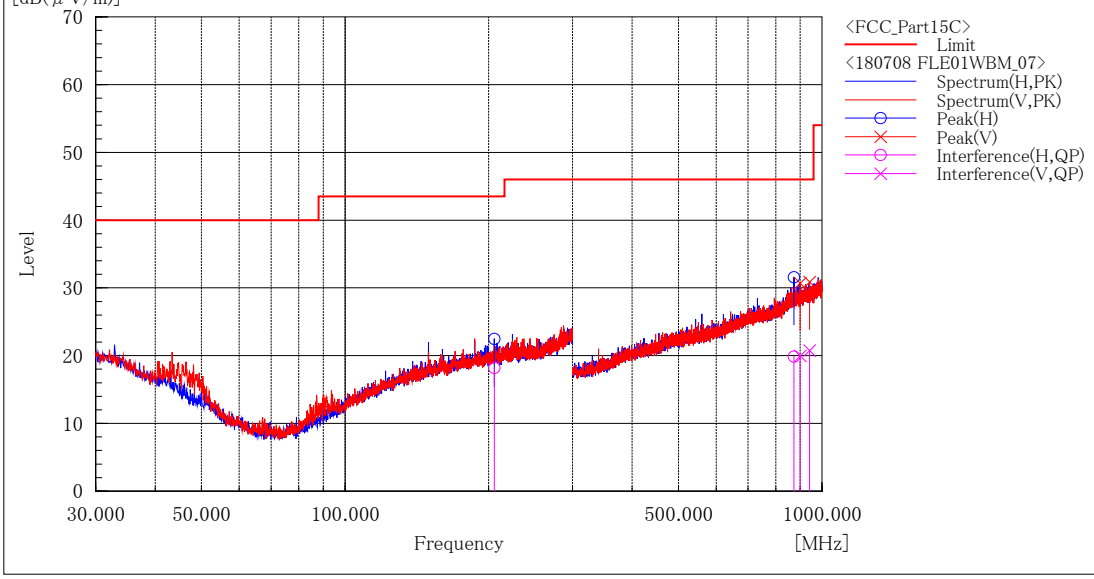
30 MHz to 1000 MHz
[802.11n_HT20/ 2412 MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model : FLE01WBM
Serial : 1
Operator : Y.KAMIKO
Power : DC 3.3V
Temp./Hum. : 23deg / 70%

Limit : FCC Part15C 15.209(a) 3m
Remark1 :
Remark2 : X
Remark3 : 11n_MCS1
Remark4 : Low



Final Result

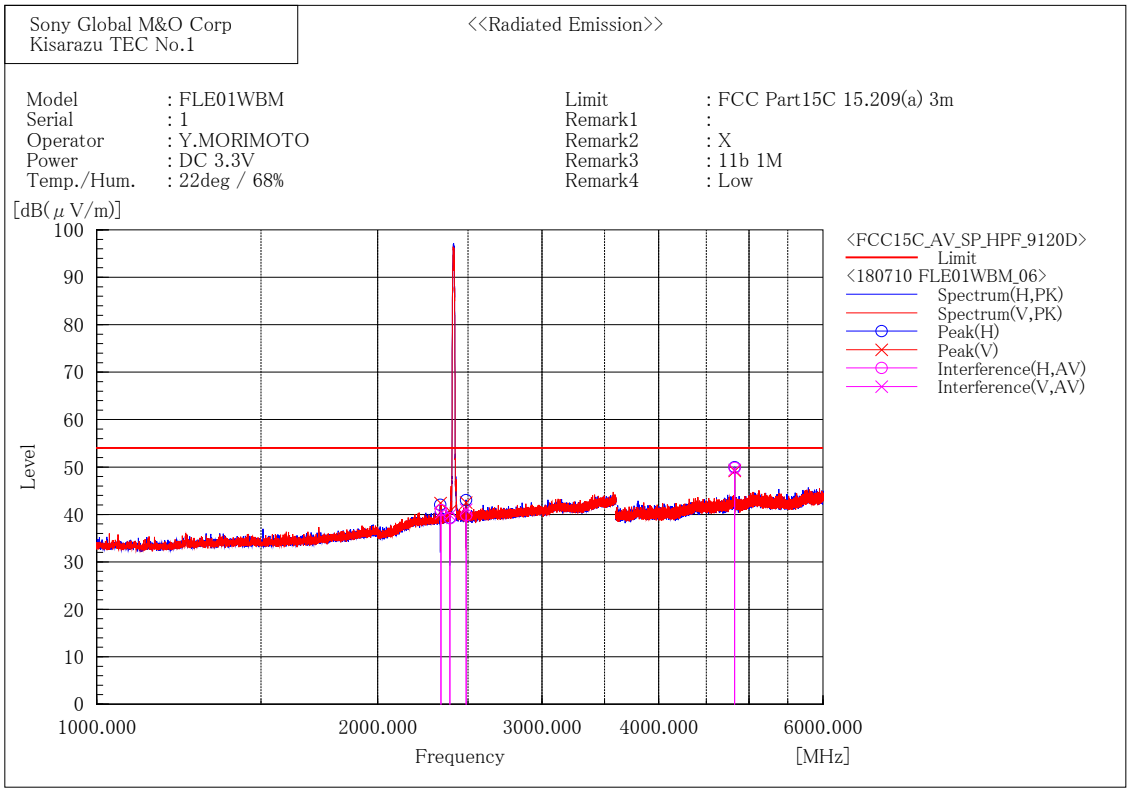
--- Horizontal Polarization (QP)---

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	205.500	25.8	-7.6	18.2	43.5	25.3	212.0	254.3
2	873.767	19.8	0.1	19.9	46.0	26.1	189.0	244.9

--- 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	900.367	19.5	0.5	20.0	46.0	26.0	237.6	223.4
2	942.367	19.7	1.1	20.8	46.0	25.2	202.0	7.5

1 GHz to 6 GHz
[802.11b/ 2412 MHz]



Final Result

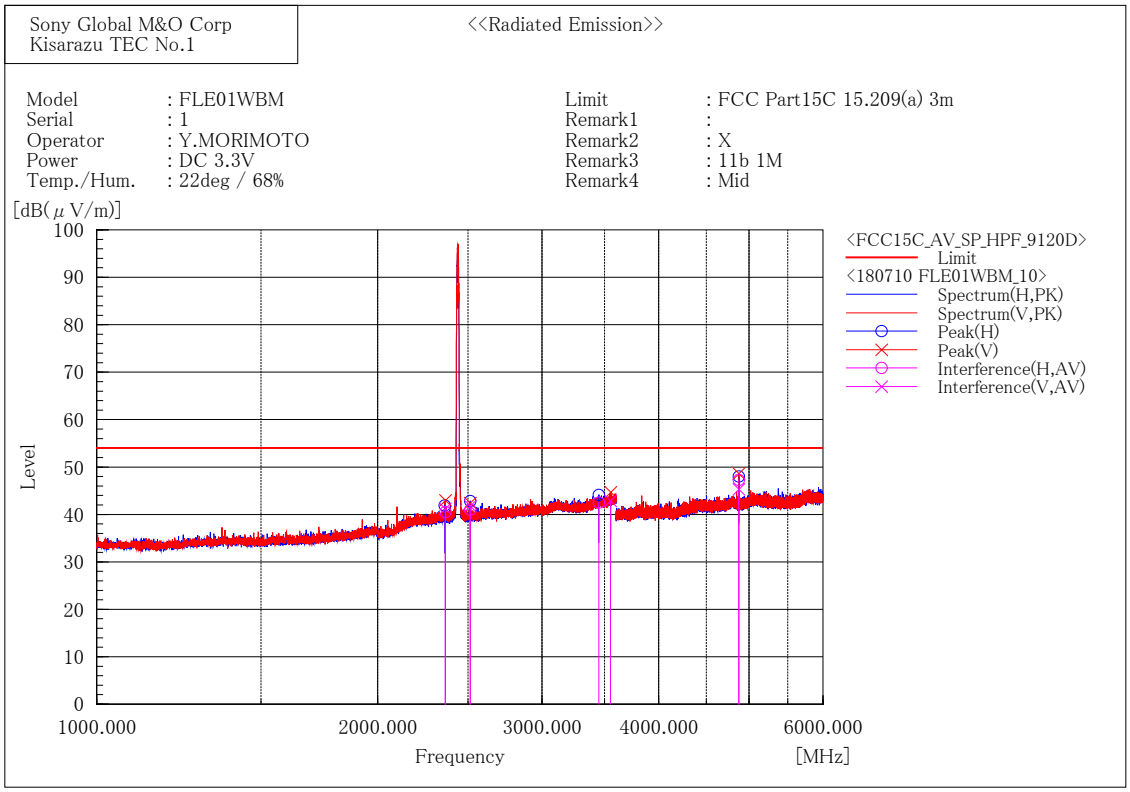
--- Horizontal Polarization (AV)---

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	2338.554	39.3	1.6	40.9	54.0	13.1	129.0	112.5
2	2390.000	37.7	1.5	39.2	54.0	14.8	234.8	273.7
3	2488.340	38.0	1.9	39.9	54.0	14.1	123.6	133.7
4	4824.005	38.8	11.0	49.8	54.0	4.2	100.0	169.7

--- 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	2338.594	38.7	1.6	40.3	54.0	13.7	142.9	238.7
2	2390.000	38.4	1.5	39.9	54.0	14.1	278.2	64.5
3	2487.811	39.1	1.9	41.0	54.0	13.0	299.5	39.4
4	4823.948	38.4	11.0	49.4	54.0	4.6	248.0	45.1

[802.11b/ 2437 MHz]



Final Result

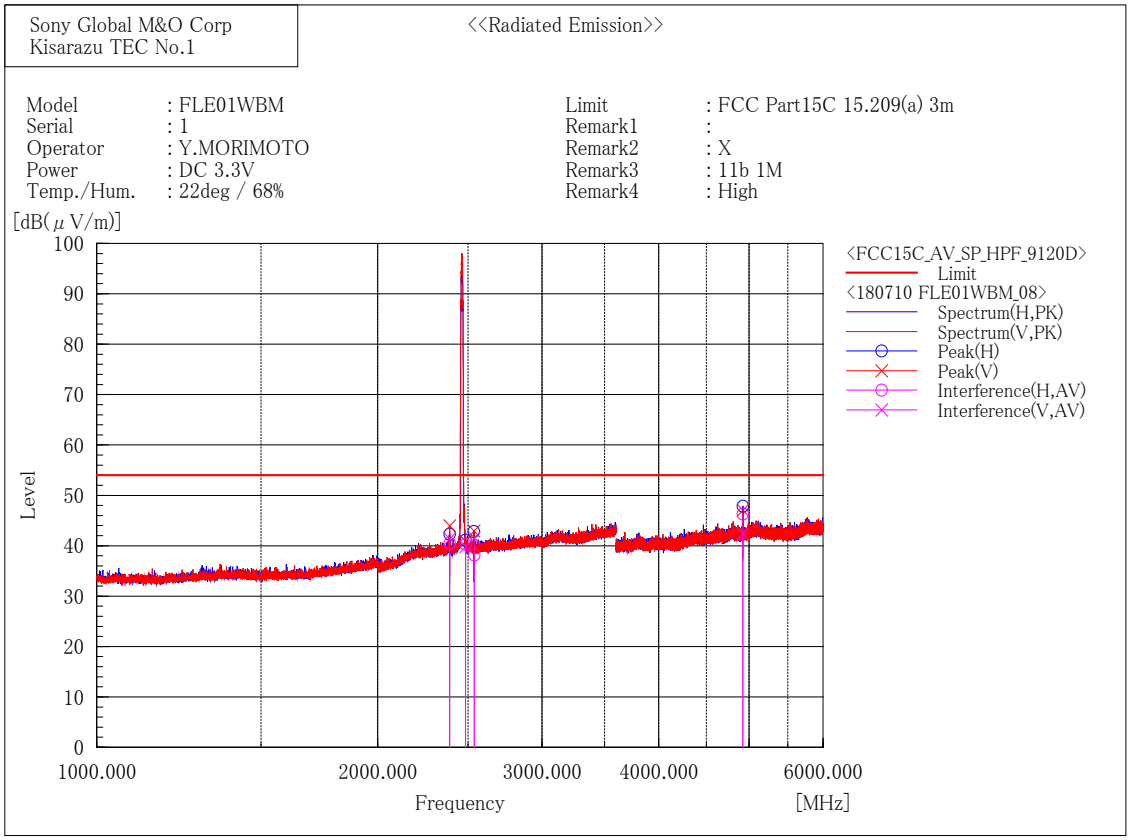
--- Horizontal Polarization (AV)---

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	2363.748	39.0	1.5	40.5	54.0	13.5	124.2	100.4
2	2513.032	39.1	1.9	41.0	54.0	13.0	170.4	133.2
3	3451.690	37.7	4.8	42.5	54.0	11.5	267.9	256.8
4	4874.060	36.5	10.8	47.3	54.0	6.7	103.5	175.4

--- 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	2363.260	39.7	1.5	41.2	54.0	12.8	100.0	261.4
2	2512.944	39.9	1.9	41.8	54.0	12.2	317.1	349.6
3	3553.197	37.4	5.5	42.9	54.0	11.1	190.7	0.2
4	4873.898	34.5	10.8	45.3	54.0	8.7	278.1	9.3

[802.11b/ 2462 MHz]



Final Result

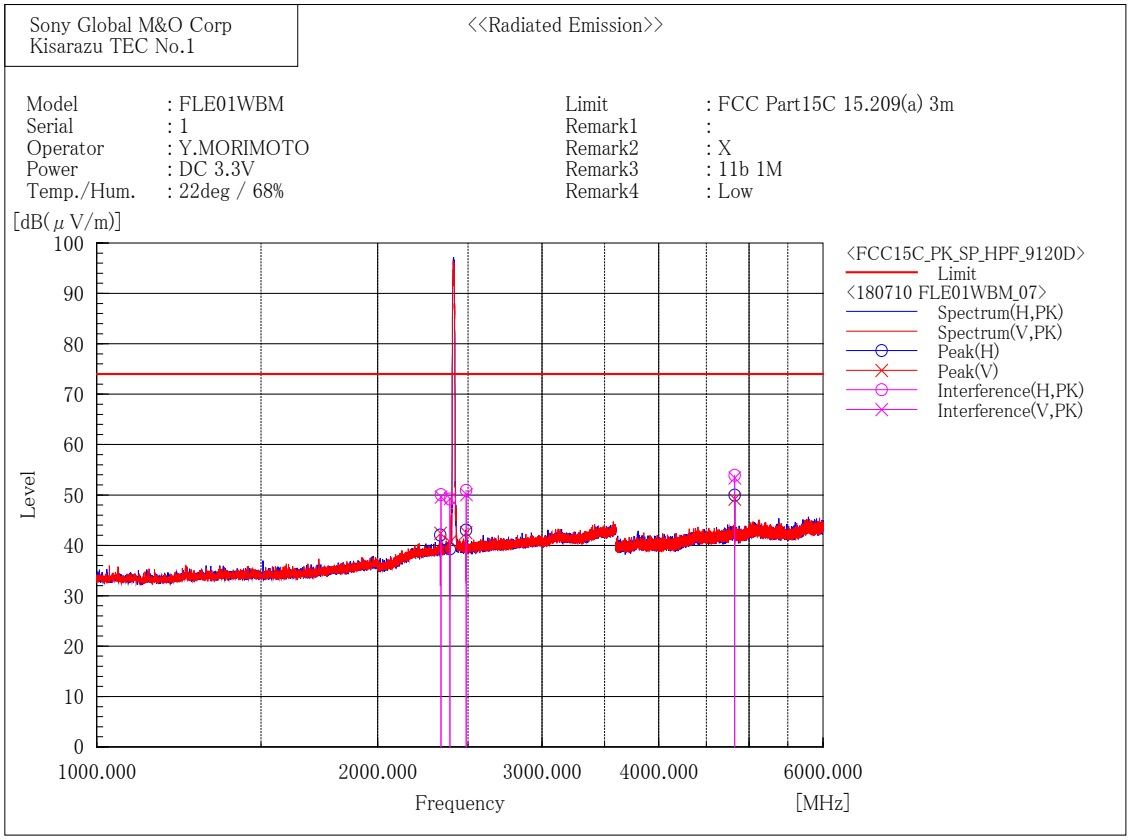
--- Horizontal Polarization (AV)---

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	2388.208	39.0	1.5	40.5	54.0	13.5	100.0	95.0
2	2483.500	38.4	1.9	40.3	54.0	13.7	153.0	147.7
3	2538.352	36.2	2.0	38.2	54.0	15.8	151.9	78.5
4	4924.047	35.5	10.8	46.3	54.0	7.7	129.8	78.5

--- 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	2388.535	39.9	1.5	41.4	54.0	12.6	365.9	0.1
2	2483.500	38.0	1.9	39.9	54.0	14.1	139.0	310.7
3	2537.725	39.6	2.0	41.6	54.0	12.4	228.7	15.8
4	4924.004	31.6	10.8	42.4	54.0	11.6	347.2	340.8

[802.11b/ 2412 MHz]



Final Result

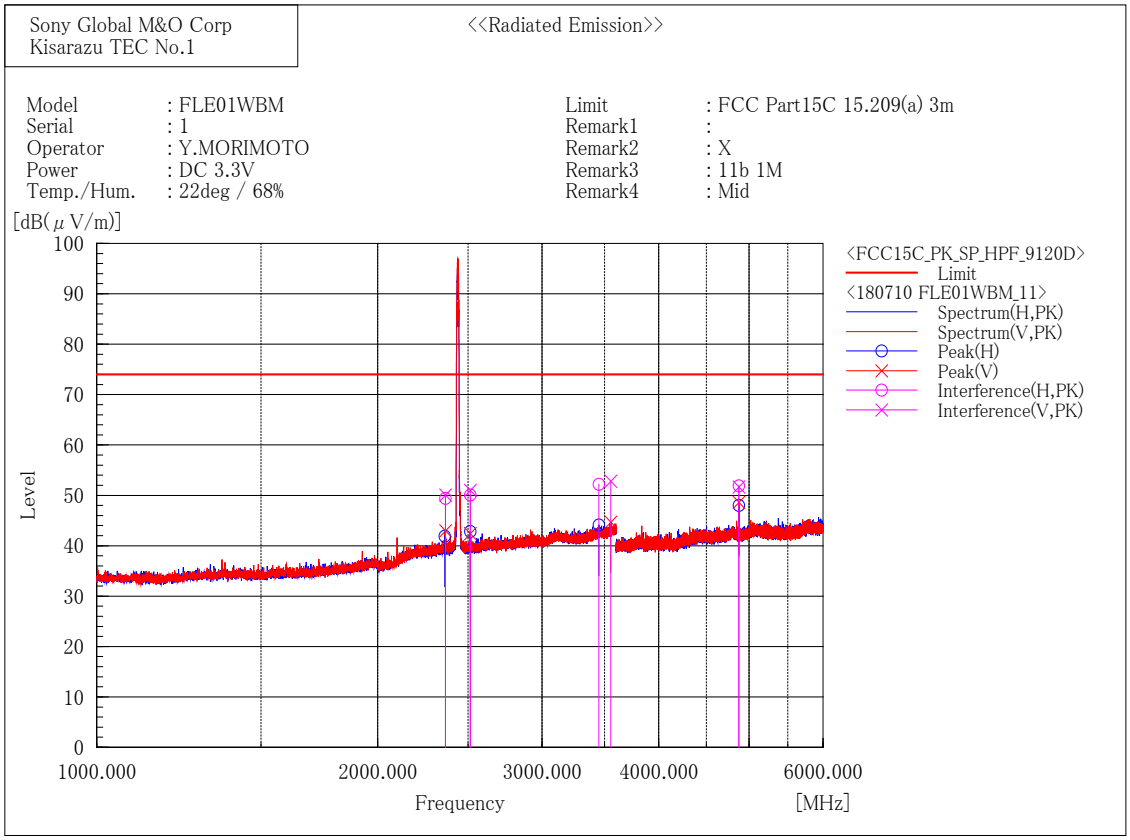
--- Horizontal Polarization (PK)---

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	2338.310	48.5	1.6	50.1	74.0	23.9	129.0	114.4
2	2390.000	47.7	1.5	49.2	74.0	24.8	234.8	273.7
3	2487.877	49.0	1.9	50.9	74.0	23.1	123.6	131.8
4	4824.132	42.9	11.0	53.9	74.0	20.1	100.0	167.7

--- 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	2338.736	48.0	1.6	49.6	74.0	24.4	142.9	236.7
2	2390.000	47.8	1.5	49.3	74.0	24.7	278.2	62.6
3	2488.391	48.2	1.9	50.1	74.0	23.9	299.5	40.8
4	4824.078	42.4	11.0	53.4	74.0	20.6	248.0	47.2

[802.11b/ 2437 MHz]



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	2363.545	47.9	1.5	49.4	74.0	24.6	124.2	100.4
2	2513.878	48.2	1.9	50.1	74.0	23.9	170.4	131.2
3	3452.444	47.4	4.8	52.2	74.0	21.8	267.9	254.9
4	4874.167	41.2	10.7	51.9	74.0	22.1	103.5	177.3

--- Vertical Polarization (PK)---

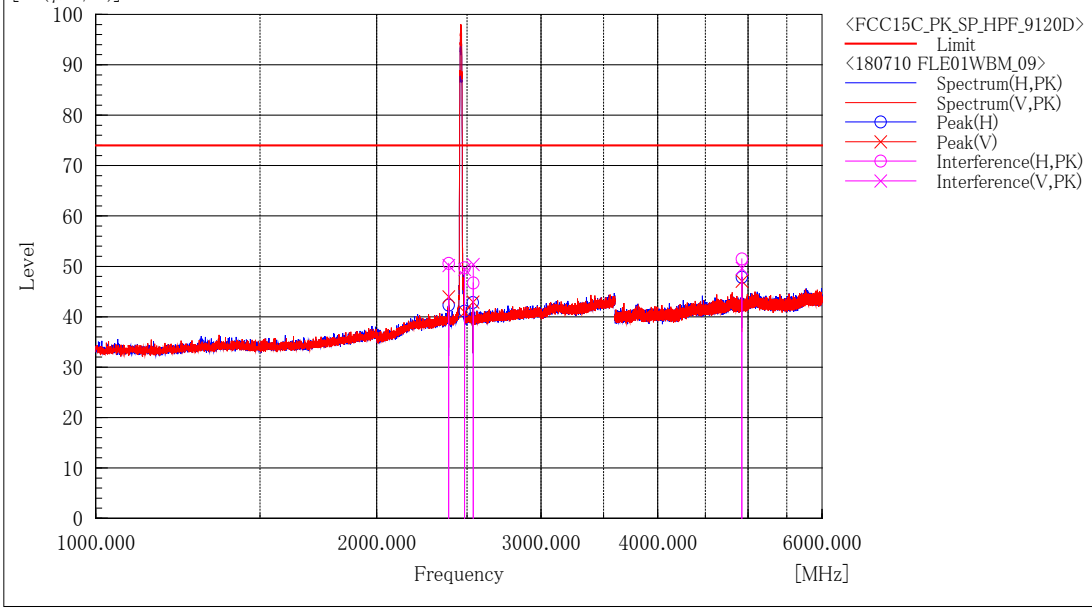
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2363.672	48.6	1.5	50.1	74.0	23.9	100.0	259.3
2	2513.234	49.1	1.9	51.0	74.0	23.0	317.1	347.6
3	3553.407	47.3	5.5	52.8	74.0	21.2	190.7	358.5
4	4873.998	40.9	10.8	51.7	74.0	22.3	278.1	7.7

[802.11b/ 2462 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11b 1M
Temp./Hum.	: 22deg / 68%	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	2388.378	49.1	1.5	50.6	74.0	23.4	100.0	97.1
2	2483.500	47.8	1.9	49.7	74.0	24.3	153.0	145.6
3	2538.301	44.7	2.0	46.7	74.0	27.3	151.9	76.5
4	4924.428	40.7	10.8	51.5	74.0	22.5	129.8	76.5

--- Vertical Polarization (PK)---

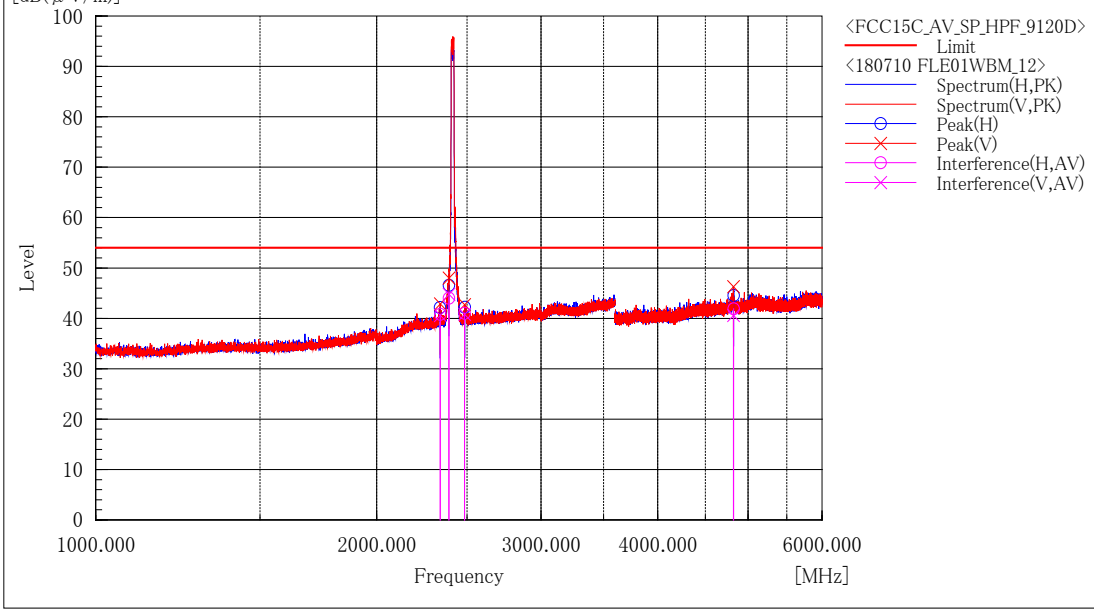
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2388.593	48.7	1.5	50.2	74.0	23.8	365.9	358.1
2	2483.500	47.5	1.9	49.4	74.0	24.6	139.0	312.7
3	2537.731	48.4	2.0	50.4	74.0	23.6	228.7	13.8
4	4924.089	38.8	10.8	49.6	74.0	24.4	347.2	340.8

[802.11g/ 2412 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11g 6M
Temp./Hum.	: 22deg / 68%	Remark4	: Low



Final Result

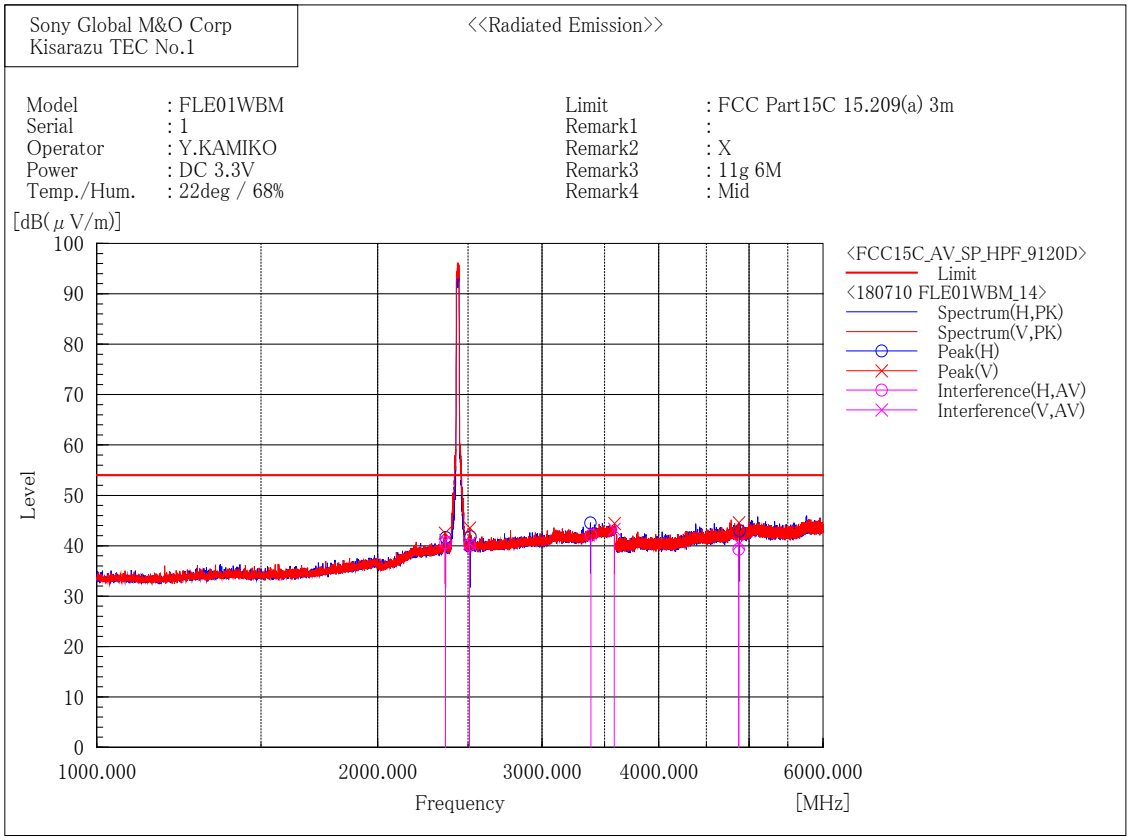
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2340.078	39.2	1.6	40.8	54.0	13.2	146.0	114.4
2	2390.000	42.5	1.5	44.0	54.0	10.0	131.0	114.3
3	2484.507	39.1	1.9	41.0	54.0	13.0	381.6	237.5
4	4824.327	30.9	11.0	41.9	54.0	12.1	140.0	171.8

--- 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	2339.415	39.0	1.6	40.6	54.0	13.4	345.8	354.3
2	2390.000	43.3	1.5	44.8	54.0	9.2	273.6	358.3
3	2484.766	38.9	1.9	40.8	54.0	13.2	218.8	178.0
4	4823.146	29.6	11.0	40.6	54.0	13.4	176.0	21.3

[802.11g/ 2437 MHz]



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	2364.651	39.1	1.5	40.6	54.0	13.4	272.4	105.3
2	2509.368	38.3	1.9	40.2	54.0	13.8	148.0	151.1
3	3383.496	37.5	4.6	42.1	54.0	11.9	144.4	354.2
4	4873.656	28.5	10.8	39.3	54.0	14.7	241.9	237.2

--- Vertical Polarization (AV)---

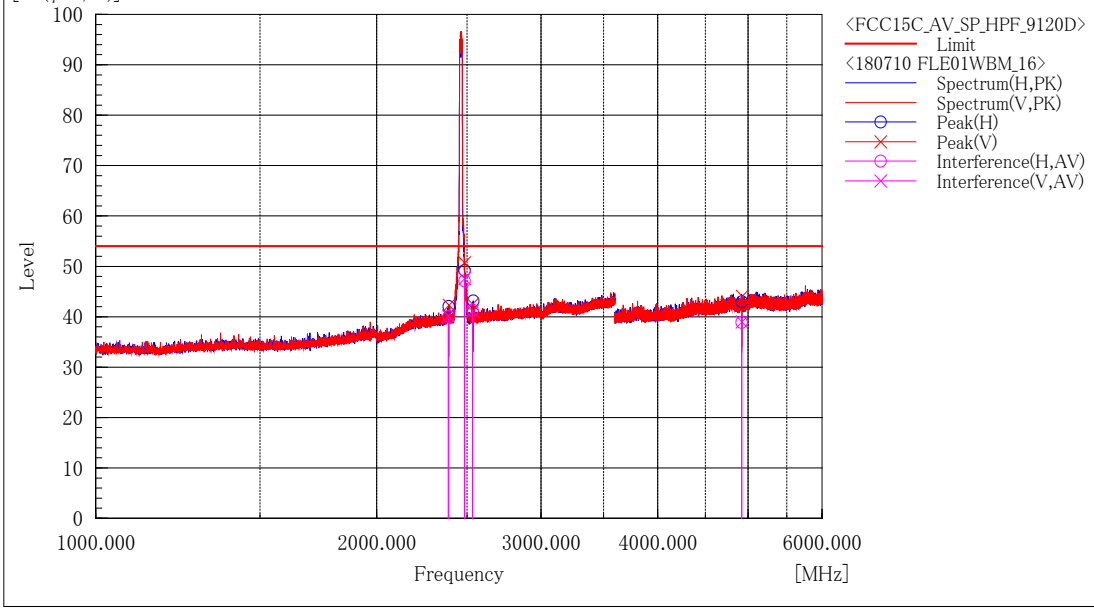
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2364.593	39.5	1.5	41.0	54.0	13.0	147.4	157.2
2	2509.418	38.6	1.9	40.5	54.0	13.5	142.0	111.3
3	3584.843	37.6	5.7	43.3	54.0	10.7	245.0	59.2
4	4874.820	29.7	10.7	40.4	54.0	13.6	304.9	21.8

[802.11g/ 2462 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11g 6M
Temp./Hum.	: 22deg / 68%	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	2389.425	38.6	1.5	40.1	54.0	13.9	183.0	115.4
2	2483.500	45.2	1.9	47.1	54.0	6.9	113.0	95.2
3	2534.119	39.3	2.0	41.3	54.0	12.7	131.8	100.5
4	4920.194	28.2	10.7	38.9	54.0	15.1	343.0	216.8

--- Vertical Polarization (AV)---

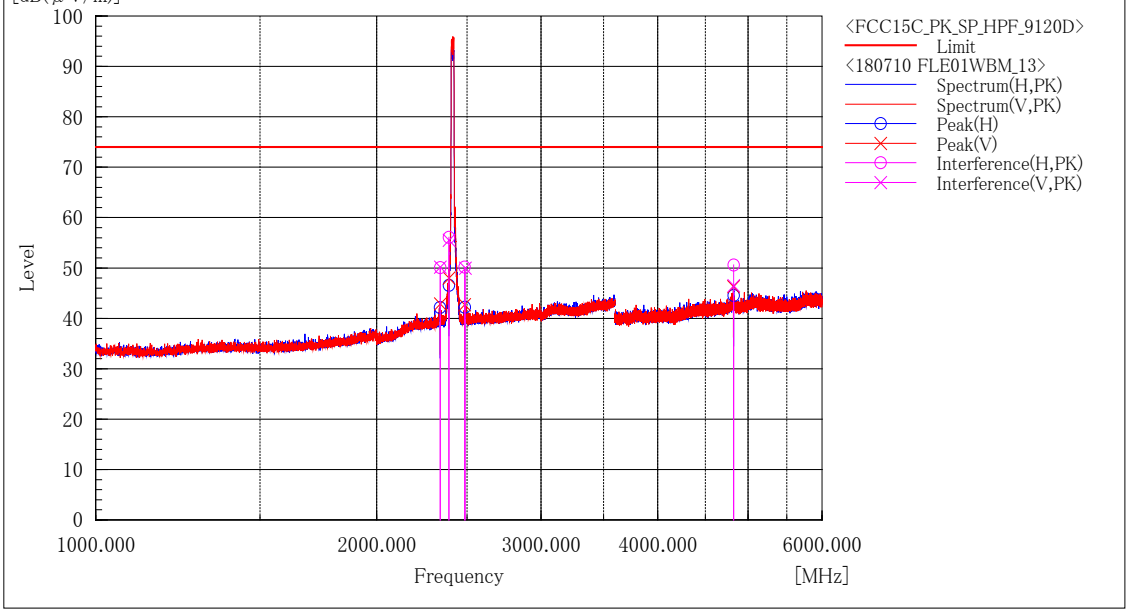
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2385.965	38.7	1.5	40.2	54.0	13.8	126.3	176.3
2	2483.500	45.7	1.9	47.6	54.0	6.5	239.0	24.3
3	2534.109	39.1	2.0	41.1	54.0	12.9	187.4	197.0
4	4924.298	28.2	10.8	39.0	54.0	15.0	118.2	66.4

[802.11g/ 2412 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11g 6M
Temp./Hum.	: 22deg / 68%	Remark4	: Low



Final Result

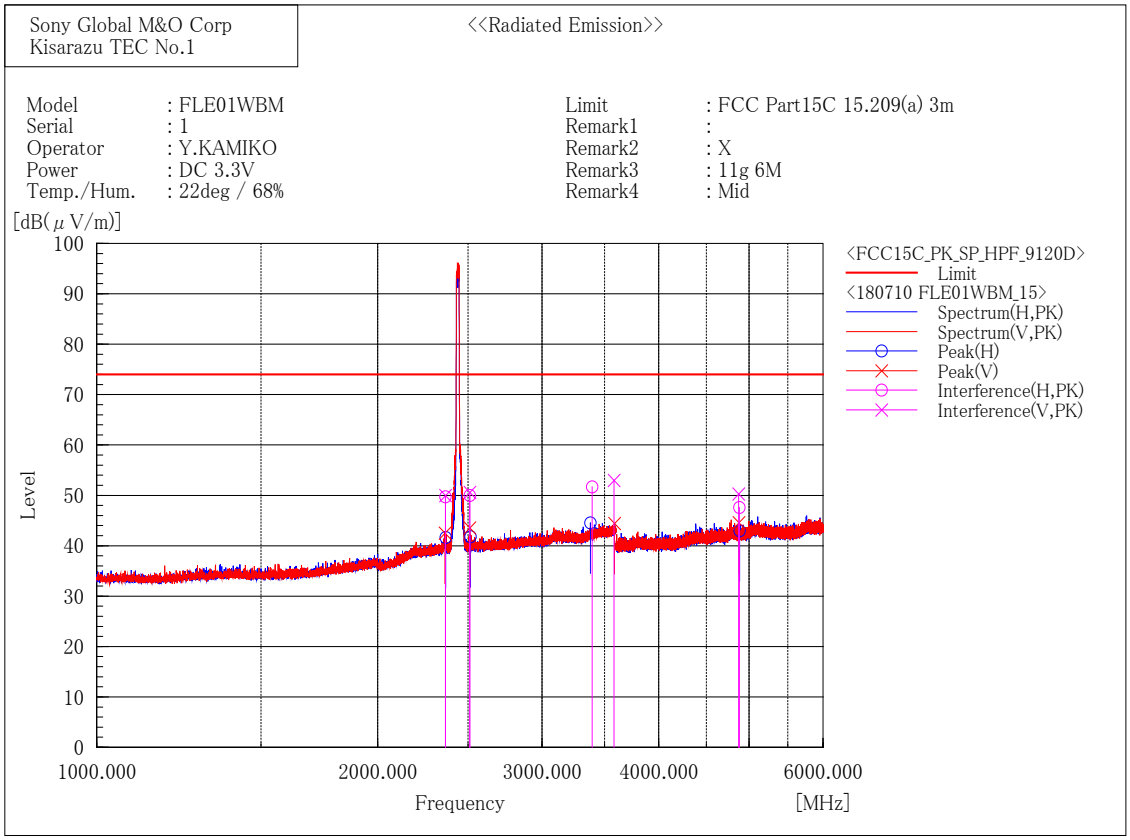
--- Horizontal Polarization (PK)---

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	2339.675	48.5	1.6	50.1	74.0	23.9	146.6	117.3
2	2390.000	54.6	1.5	56.1	74.0	17.9	132.0	116.9
3	2484.967	48.3	1.9	50.2	74.0	23.8	378.3	242.2
4	4823.524	39.6	11.0	50.6	74.0	23.4	117.0	167.1

--- 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	2339.727	48.6	1.6	50.2	74.0	23.8	347.0	357.6
2	2390.000	54.0	1.5	55.5	74.0	18.5	274.5	5.1
3	2488.956	48.1	1.9	50.0	74.0	24.0	214.7	182.3
4	4823.471	35.5	11.0	46.5	74.0	27.5	176.0	21.3

[802.11g/ 2437 MHz]



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	2364.326	48.2	1.5	49.7	74.0	24.3	274.6	107.0
2	2509.506	48.1	1.9	50.0	74.0	24.0	152.0	151.9
3	3395.344	47.1	4.6	51.7	74.0	22.3	156.9	355.8
4	4879.751	36.9	10.7	47.6	74.0	26.4	243.5	239.6

--- Vertical Polarization (PK)---

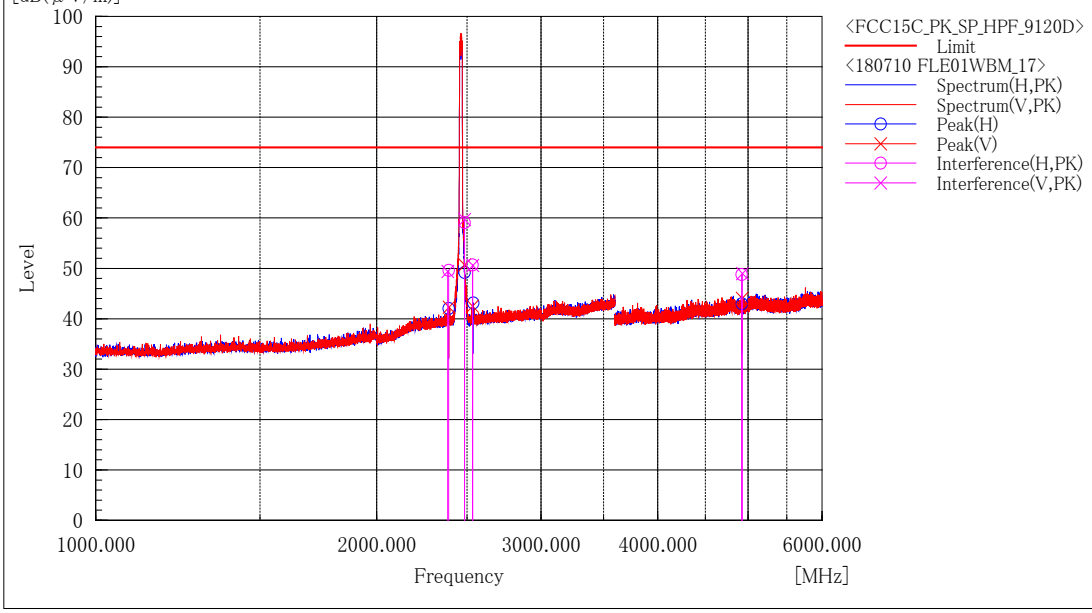
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2364.276	48.5	1.5	50.0	74.0	24.0	145.7	157.9
2	2509.902	48.7	1.9	50.6	74.0	23.4	145.0	118.7
3	3583.898	47.4	5.6	53.0	74.0	21.0	248.4	54.9
4	4873.659	39.5	10.8	50.3	74.0	23.7	304.9	21.8

[802.11g/ 2462 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11g 6M
Temp./Hum.	: 22deg / 68%	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	2388.275	48.1	1.5	49.6	74.0	24.4	184.5	120.9
2	2483.500	57.2	1.9	59.1	74.0	14.9	116.0	93.3
3	2533.760	48.7	2.0	50.7	74.0	23.3	132.9	104.9
4	4921.314	38.1	10.7	48.8	74.0	25.2	343.0	216.8

--- Vertical Polarization (PK)---

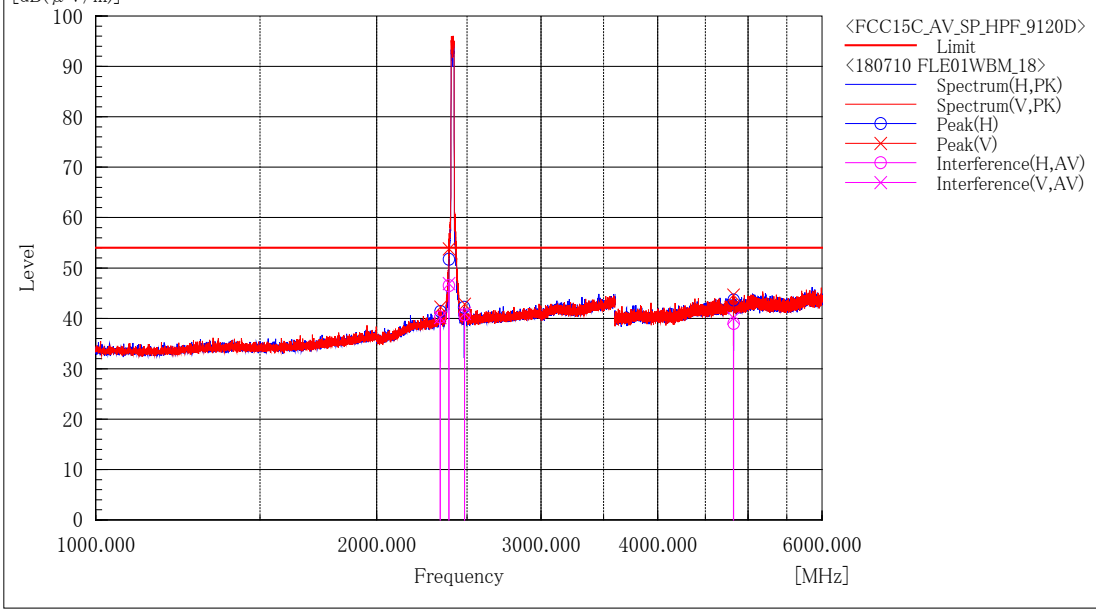
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2383.233	47.9	1.5	49.4	74.0	24.6	124.0	173.8
2	2483.500	57.8	1.9	59.7	74.0	14.3	245.0	25.0
3	2535.326	48.6	2.0	50.6	74.0	23.4	190.0	202.8
4	4928.745	38.2	10.8	49.0	74.0	25.0	122.0	74.1

[802.11n (HT20)/ 2412 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS1
Temp./Hum.	: 22deg / 68%	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	2339.414	38.7	1.6	40.3	54.0	13.7	132.0	119.7
2	2390.000	45.0	1.5	46.5	54.0	7.5	221.0	119.9
3	2483.691	38.8	1.9	40.7	54.0	13.3	193.4	120.1
4	4824.123	28.0	11.0	39.0	54.0	15.0	125.4	259.6

--- Vertical Polarization (AV)---

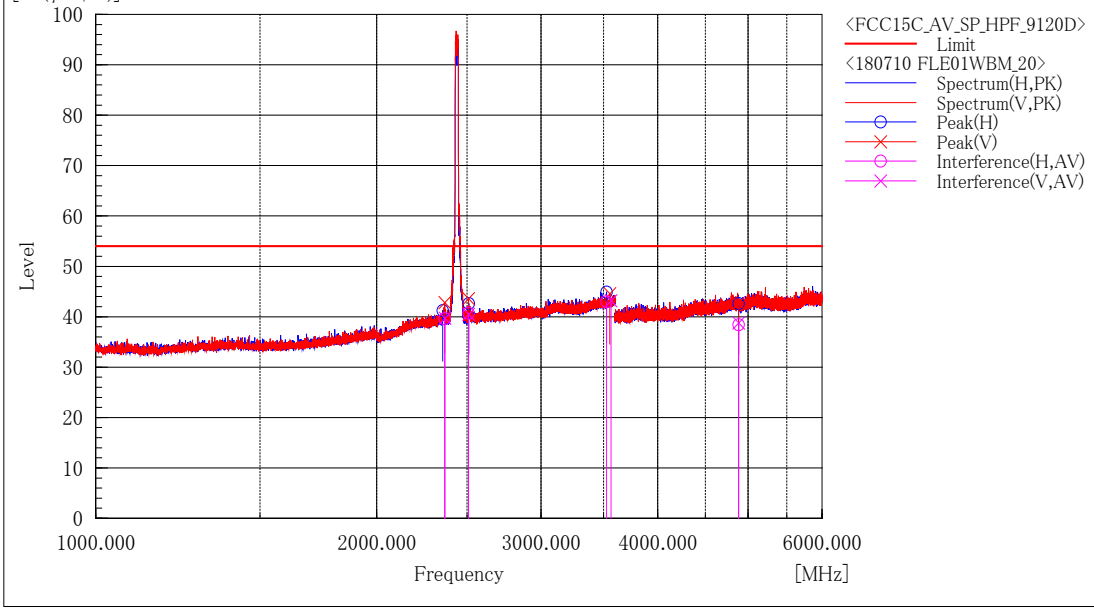
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2339.929	38.6	1.6	40.2	54.0	13.8	166.7	256.4
2	2390.000	45.4	1.5	46.9	54.0	7.1	249.9	330.1
3	2484.822	39.1	1.9	41.0	54.0	13.0	319.4	348.0
4	4822.562	29.1	11.0	40.1	54.0	13.9	164.0	24.6

[802.11n (HT20)/ 2437 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS1
Temp./Hum.	: 22deg / 68%	Remark4	: Mid



Final Result

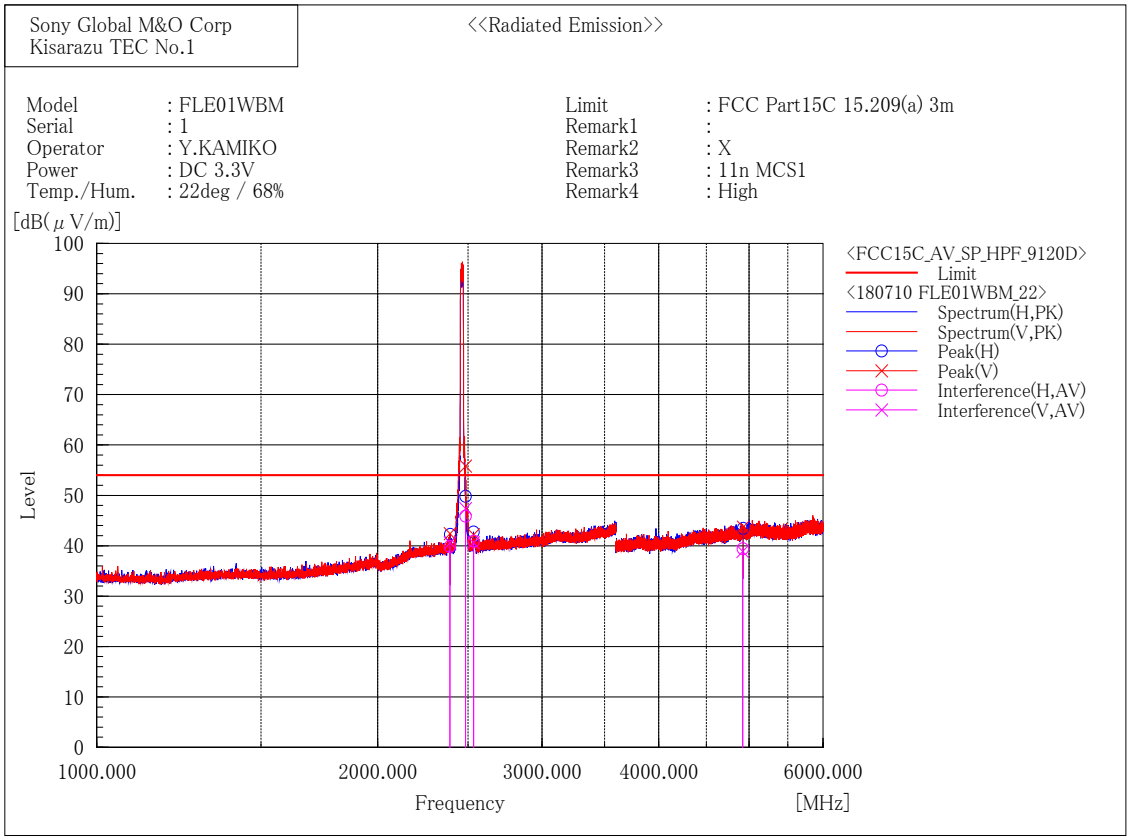
--- Horizontal Polarization (AV)---

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	2365.497	38.1	1.5	39.6	54.0	14.4	431.0	323.2
2	2509.354	38.8	1.9	40.7	54.0	13.3	201.0	121.1
3	3526.151	37.6	5.4	43.0	54.0	11.0	147.4	303.7
4	4884.964	27.7	10.7	38.4	54.0	15.6	431.0	186.6

--- 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	2367.590	38.2	1.5	39.7	54.0	14.3	165.0	236.3
2	2509.424	38.6	1.9	40.5	54.0	13.5	109.5	156.5
3	3564.578	37.6	5.6	43.2	54.0	10.8	256.5	301.2
4	4882.937	28.1	10.7	38.8	54.0	15.2	113.2	25.4

[802.11n (HT20)/ 2462 MHz]



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	2389.646	38.4	1.5	39.9	54.0	14.1	240.0	108.8
2	2483.500	44.0	1.9	45.9	54.0	8.1	143.9	83.5
3	2534.262	38.9	2.0	40.9	54.0	13.1	135.0	129.2
4	4923.892	28.6	10.8	39.4	54.0	14.6	178.3	90.9

--- Vertical Polarization (AV)---

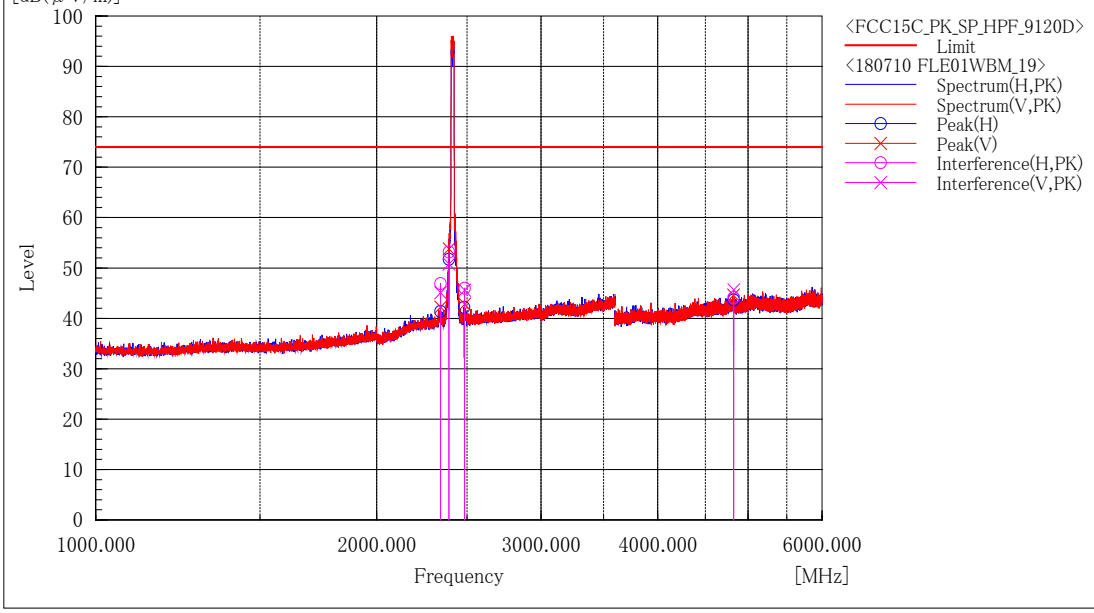
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2390.111	39.1	1.5	40.6	54.0	13.4	360.1	359.8
2	2483.500	45.5	1.9	47.4	54.0	6.6	140.0	126.8
3	2533.982	38.6	2.0	40.6	54.0	13.4	165.4	267.7
4	4919.904	28.2	10.7	38.9	54.0	15.1	236.0	7.7

[802.11n (HT20)/ 2412 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS1
Temp./Hum.	: 22deg / 68%	Remark4	: Low



Final Result

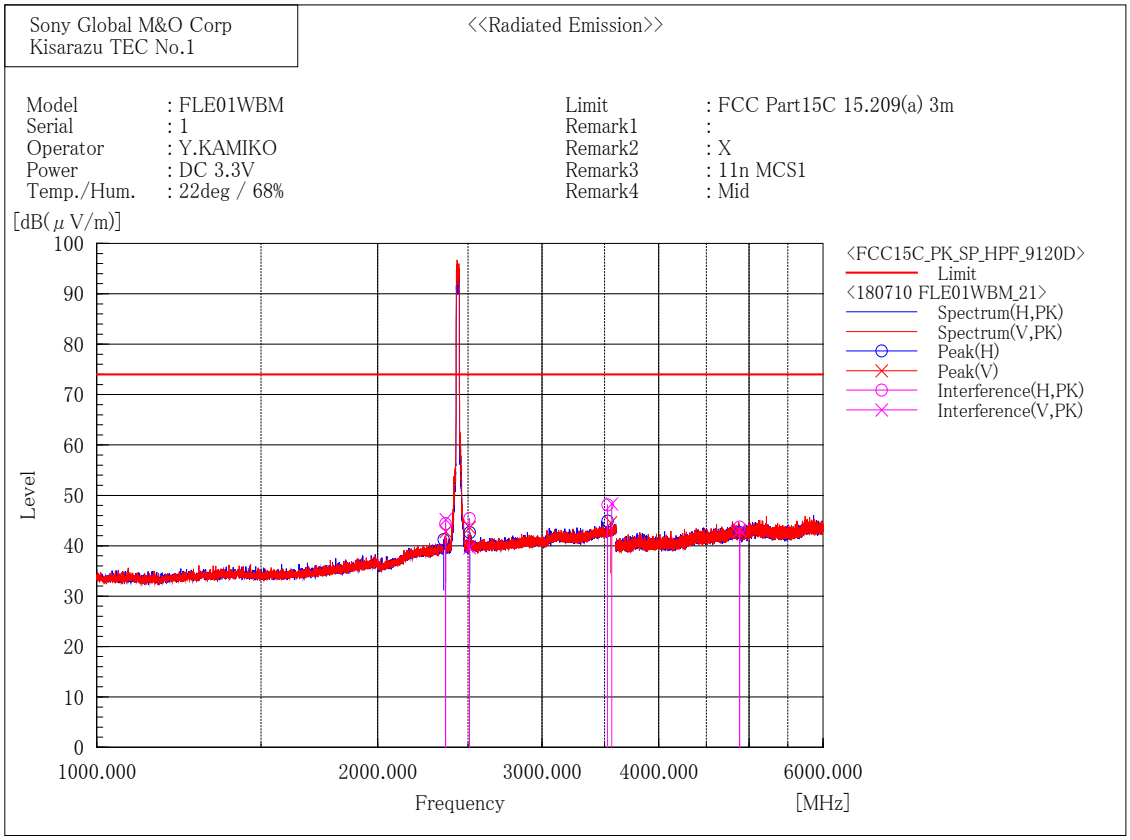
--- Horizontal Polarization (PK)---

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	2340.322	45.3	1.6	46.9	74.0	27.1	132.7	121.7
2	2390.000	51.7	1.5	53.2	74.0	20.8	194.0	123.0
3	2483.500	44.1	1.9	46.0	74.0	28.0	193.4	120.6
4	4823.611	33.1	11.0	44.1	74.0	29.9	125.4	259.6

--- 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	2340.423	43.5	1.6	45.1	74.0	28.9	167.0	255.6
2	2390.000	49.3	1.5	50.8	74.0	23.2	251.0	327.6
3	2483.896	43.7	1.9	45.6	74.0	28.4	165.0	28.1
4	4823.500	34.7	11.0	45.7	74.0	28.3	165.3	24.4

[802.11n (HT20)/ 2437 MHz]



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	2364.533	42.9	1.5	44.4	74.0	29.6	431.0	325.1
2	2509.133	43.5	1.9	45.4	74.0	28.6	201.0	119.2
3	3526.141	42.7	5.4	48.1	74.0	25.9	148.0	307.0
4	4884.587	33.0	10.7	43.7	74.0	30.3	431.0	188.6

--- Vertical Polarization (PK)---

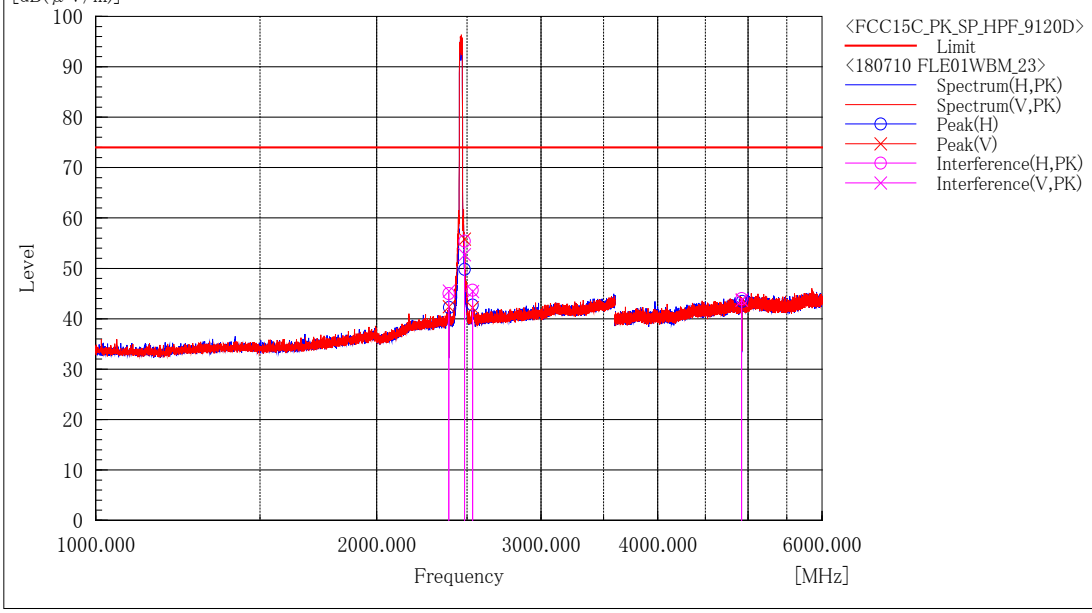
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2365.227	43.7	1.5	45.2	74.0	28.8	159.0	242.7
2	2509.302	37.7	1.9	39.6	74.0	34.4	115.0	159.1
3	3564.166	42.7	5.6	48.3	74.0	25.7	259.3	302.1
4	4882.861	32.4	10.7	43.1	74.0	30.9	113.2	25.4

[802.11n (HT20)/ 2462 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.KAMIKO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS1
Temp./Hum.	: 22deg / 68%	Remark4	: High



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	2388.900	43.5	1.5	45.0	74.0	29.0	242.0	115.9
2	2483.500	53.5	1.9	55.4	74.0	18.6	142.8	100.8
3	2534.026	43.7	2.0	45.7	74.0	28.3	135.0	122.1
4	4920.734	33.3	10.7	44.0	74.0	30.0	178.3	88.8

--- Vertical Polarization (PK)---

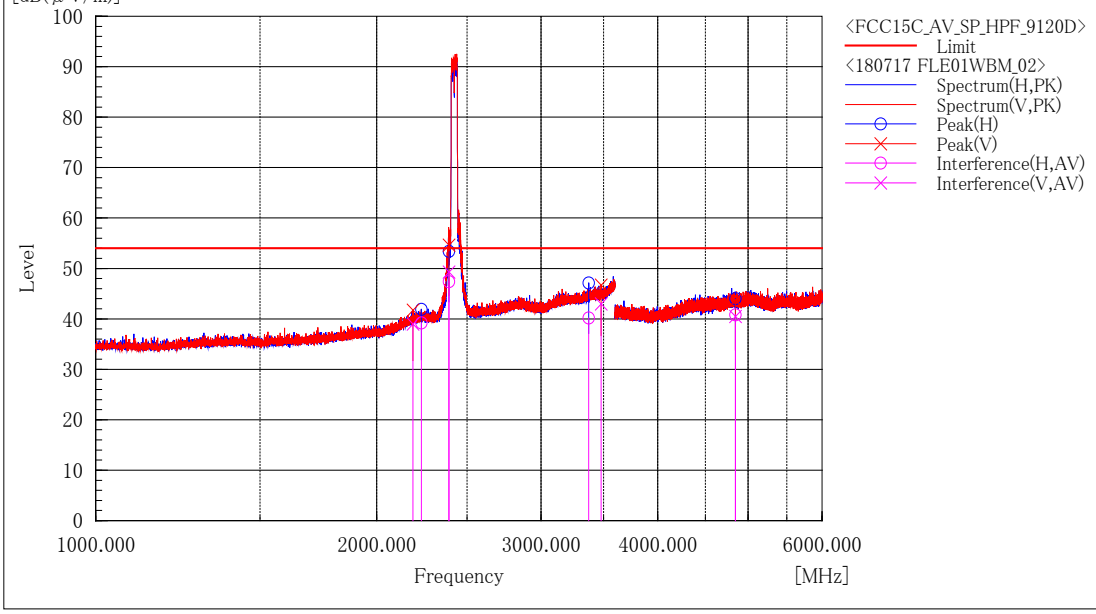
No.	Frequency [MHz]	Reading [dBμV)]	c.f [dB(1/m)]	Result [dBμV/m)]	Limit [dBμV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2389.490	44.0	1.5	45.5	74.0	28.5	363.0	5.7
2	2483.500	50.8	1.9	52.7	74.0	21.3	140.0	126.4
3	2534.895	43.4	2.0	45.4	74.0	28.6	165.4	271.9
4	4919.704	33.0	10.7	43.7	74.0	30.3	236.0	7.7

[802.11n (HT40)/ 2422 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS0
Temp./Hum.	: 25deg / 65%	Remark4	: Low



Final Result

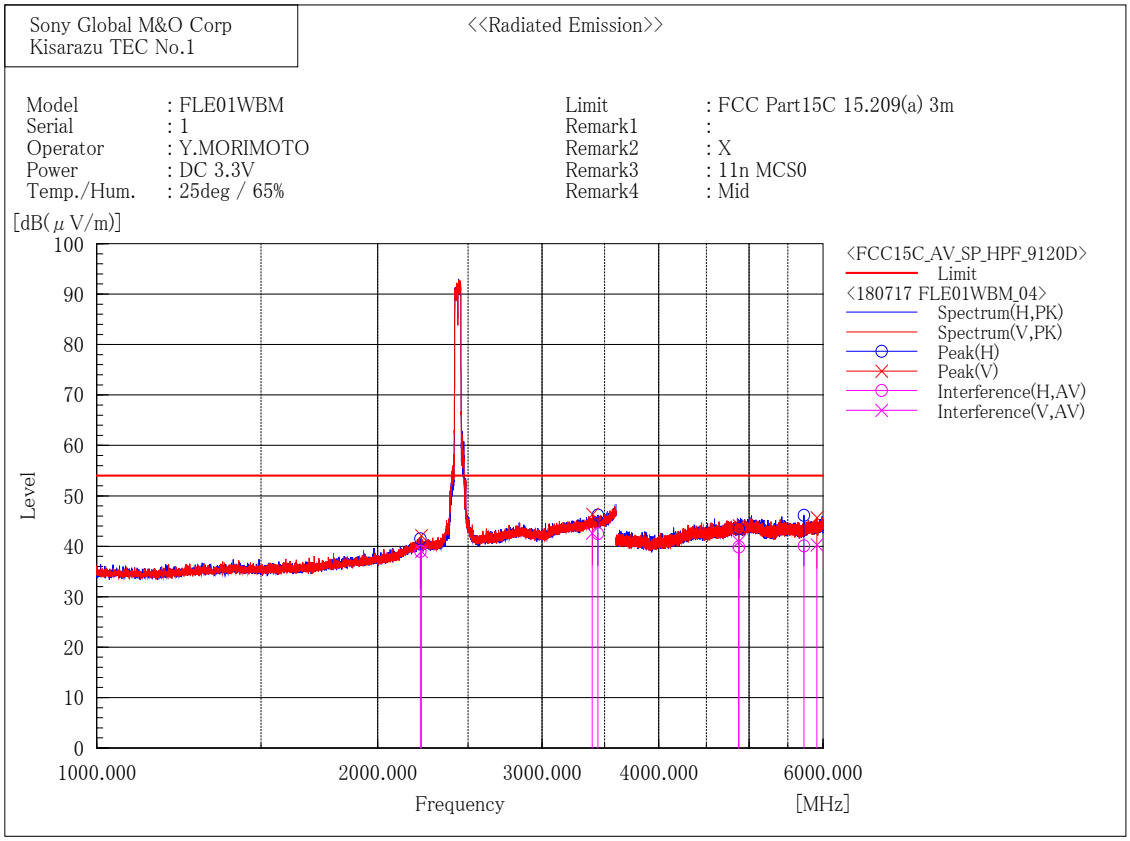
--- Horizontal Polarization (AV)---

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	2233.348	37.6	1.6	39.2	54.0	14.8	190.0	315.9
2	2390.000	45.9	1.5	47.4	54.0	6.6	157.0	45.5
3	3375.108	35.6	4.6	40.2	54.0	13.8	265.3	252.1
4	4846.140	29.9	10.9	40.8	54.0	13.2	158.3	67.2

--- 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	2187.294	37.5	1.5	39.0	54.0	15.0	431.7	143.1
2	2390.000	47.8	1.5	49.3	54.0	4.7	191.5	21.7
3	3478.009	38.0	5.0	43.0	54.0	11.0	239.3	359.1
4	4843.998	29.6	10.9	40.5	54.0	13.5	431.0	243.8

[802.11n (HT40)/ 2437 MHz]



Final Result

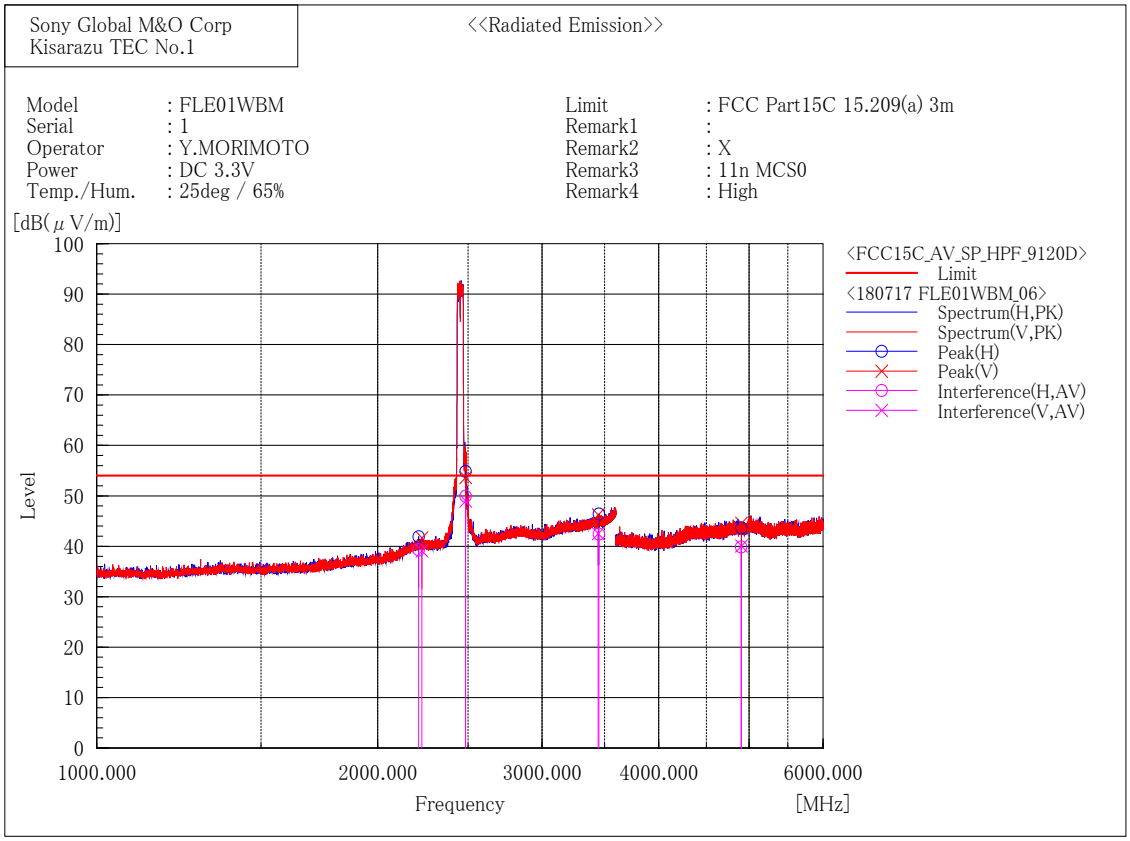
--- Horizontal Polarization (AV)---

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	2222.531	37.4	1.6	39.0	54.0	15.0	131.2	75.3
2	3442.569	37.7	4.8	42.5	54.0	11.5	100.0	232.4
3	4874.874	29.2	10.7	39.9	54.0	14.1	159.3	135.5
4	5725.298	28.5	11.6	40.1	54.0	13.9	432.0	6.2

--- 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	2227.145	37.4	1.6	39.0	54.0	15.0	100.0	76.9
2	3395.735	38.0	4.6	42.6	54.0	11.4	131.8	68.7
3	4873.425	30.1	10.8	40.9	54.0	13.1	192.9	47.3
4	5910.318	28.6	11.7	40.3	54.0	13.7	113.1	60.2

[802.11n (HT40)/ 2452 MHz]



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	2212.498	37.7	1.6	39.3	54.0	14.7	177.0	259.0
2	2483.500	48.0	1.9	49.9	54.0	4.1	105.9	100.3
3	3451.243	37.6	4.8	42.4	54.0	11.6	342.9	75.1
4	4903.325	29.2	10.7	39.9	54.0	14.1	155.6	291.7

--- Vertical Polarization (AV)---

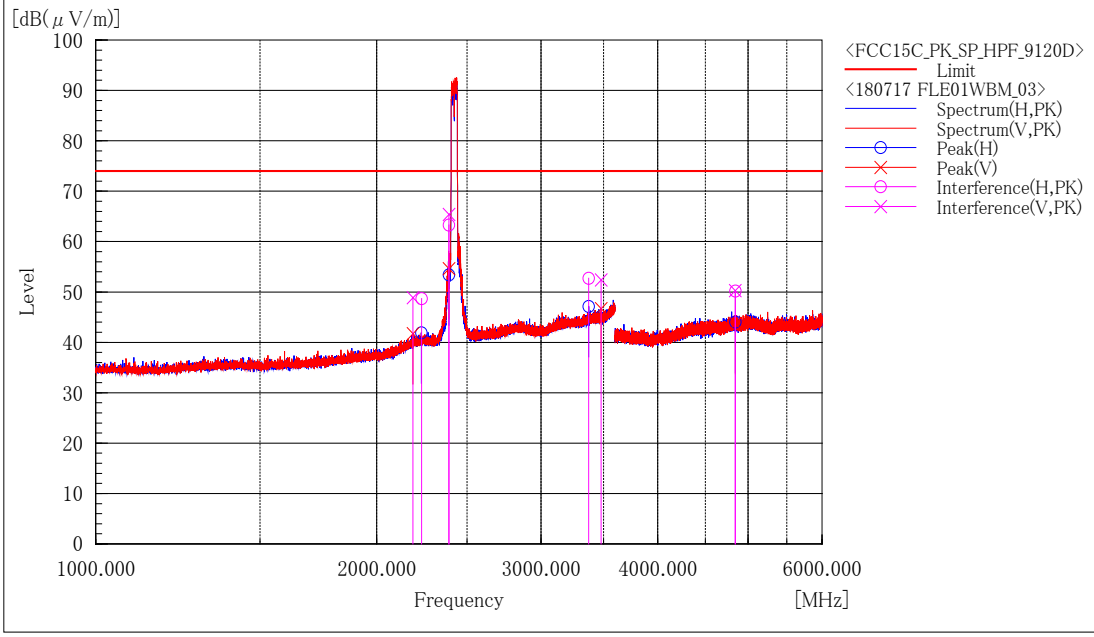
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2230.008	37.5	1.6	39.1	54.0	14.9	188.7	312.9
2	2483.500	47.1	1.9	49.0	54.0	5.0	218.5	21.9
3	3445.116	37.7	4.8	42.5	54.0	11.5	150.1	41.2
4	4904.484	29.4	10.7	40.1	54.0	13.9	101.5	155.3

[802.11n (HT40)/ 2422 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS0
Temp./Hum.	: 25deg / 65%	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	2234.178	47.1	1.6	48.7	74.0	25.3	190.0	318.0
2	2390.000	61.8	1.5	63.3	74.0	10.7	157.0	45.5
3	3374.854	48.1	4.6	52.7	74.0	21.3	265.3	254.1
4	4845.154	39.3	10.9	50.2	74.0	23.8	158.3	65.3

--- Vertical Polarization (PK)---

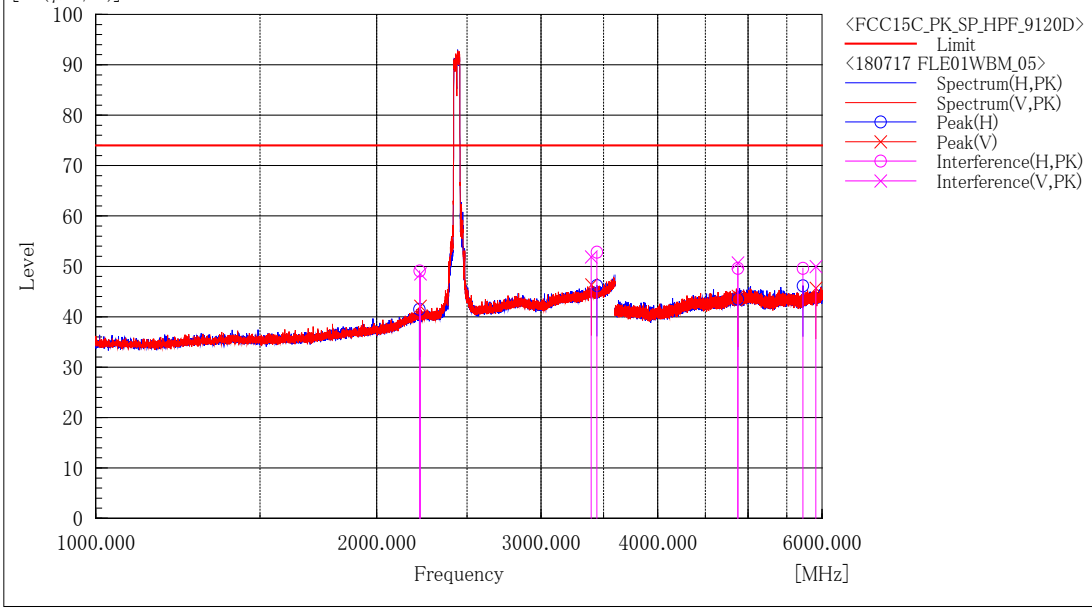
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2186.915	47.4	1.5	48.9	74.0	25.1	431.7	141.1
2	2390.000	63.9	1.5	65.4	74.0	8.6	191.5	19.7
3	3478.061	47.4	5.0	52.4	74.0	21.6	239.3	357.1
4	4843.074	39.4	10.9	50.3	74.0	23.7	431.0	241.9

[802.11n (HT40)/ 2437 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS0
Temp./Hum.	: 25deg / 65%	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	2223.474	47.5	1.6	49.1	74.0	24.9	131.2	77.1
2	3442.998	48.0	4.8	52.8	74.0	21.2	100.0	230.3
3	4875.266	38.9	10.7	49.6	74.0	24.4	159.3	133.6
4	5724.447	38.1	11.5	49.6	74.0	24.4	432.0	8.2

--- Vertical Polarization (PK)---

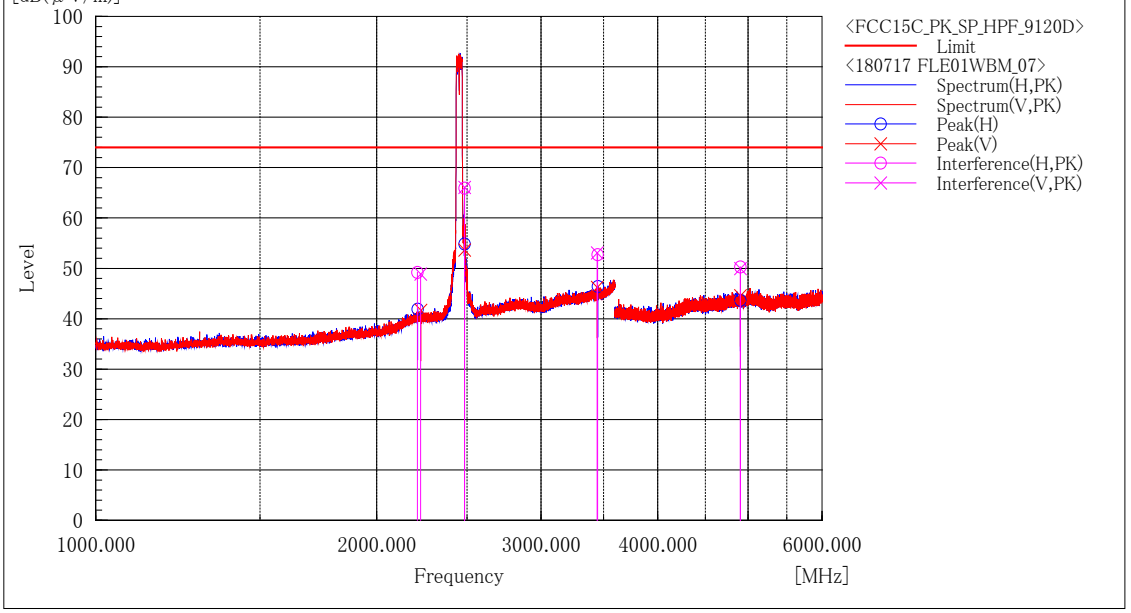
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	2227.044	46.9	1.6	48.5	74.0	25.5	100.0	75.3
2	3395.162	47.3	4.6	51.9	74.0	22.1	131.8	66.7
3	4874.054	39.9	10.8	50.7	74.0	23.3	192.9	49.2
4	5909.351	38.3	11.7	50.0	74.0	24.0	113.1	60.2

[802.11n (HT40)/ 2452 MHz]

Sony Global M&O Corp
Kisarazu TEC No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC 3.3V	Remark3	: 11n MCS0
Temp./Hum.	: 25deg / 65%	Remark4	: High



Final Result

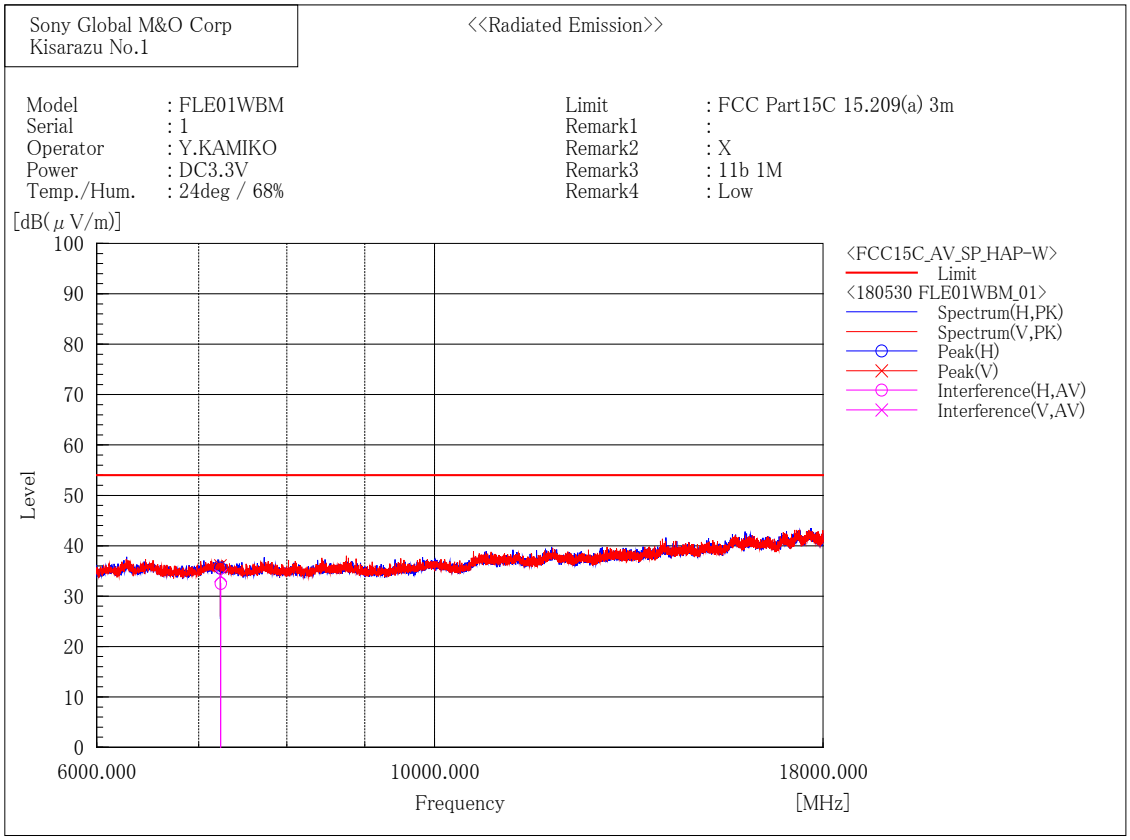
--- Horizontal Polarization (PK)---

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	2211.463	47.6	1.6	49.2	74.0	24.8	177.0	259.0
2	2483.500	64.0	1.9	65.9	74.0	8.1	105.9	102.2
3	3450.386	47.9	4.8	52.7	74.0	21.3	342.9	77.1
4	4904.205	39.6	10.7	50.3	74.0	23.7	155.6	293.6

--- 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	2229.066	47.3	1.6	48.9	74.0	25.1	188.7	311.0
2	2483.500	64.2	1.9	66.1	74.0	7.9	218.5	19.9
3	3444.720	48.3	4.8	53.1	74.0	20.9	150.1	39.4
4	4905.041	39.3	10.7	50.0	74.0	24.0	101.5	153.2

6 GHz to 18 GHz
[802.11b/ 2412 MHz]



Final Result

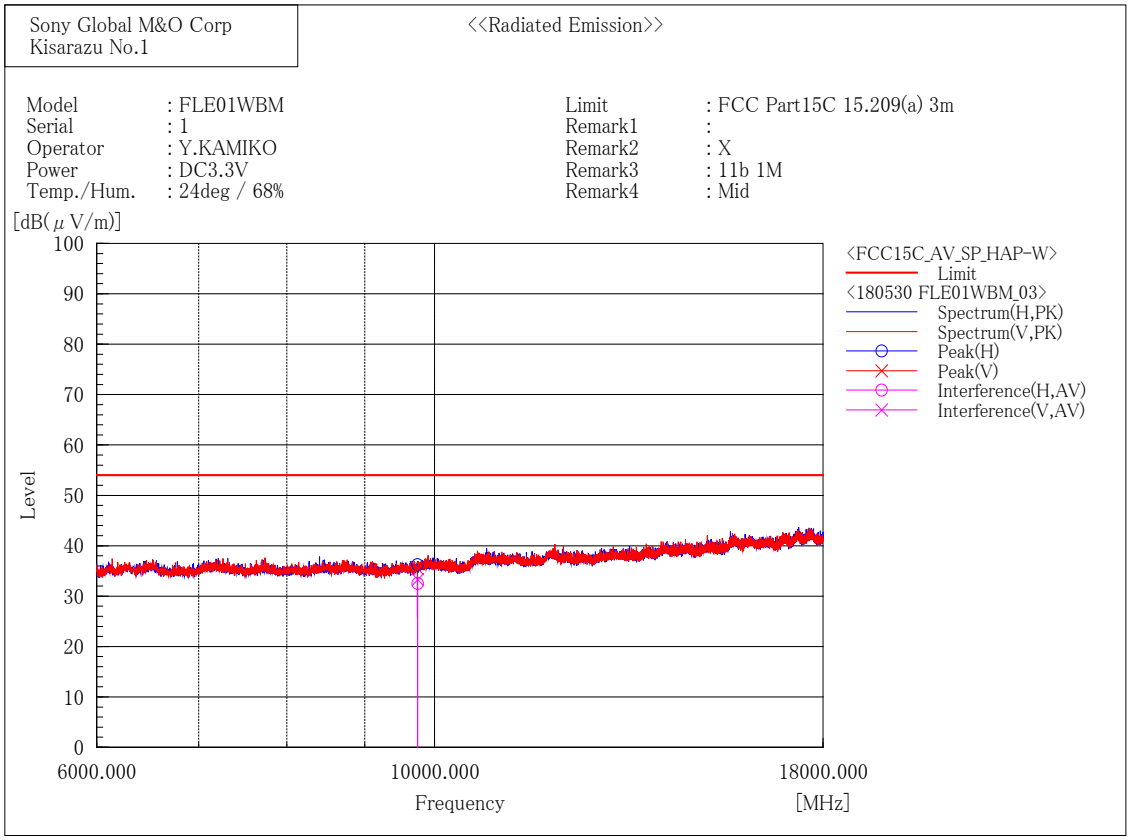
--- Horizontal Polarization (AV)---

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	7238.248	41.7	-9.2	32.5	54.0	21.5	292.0	159.7

--- 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	7236.909	43.3	-9.2	34.1	54.0	19.9	331.7	330.7

[802.11b/ 2437 MHz]



Final Result

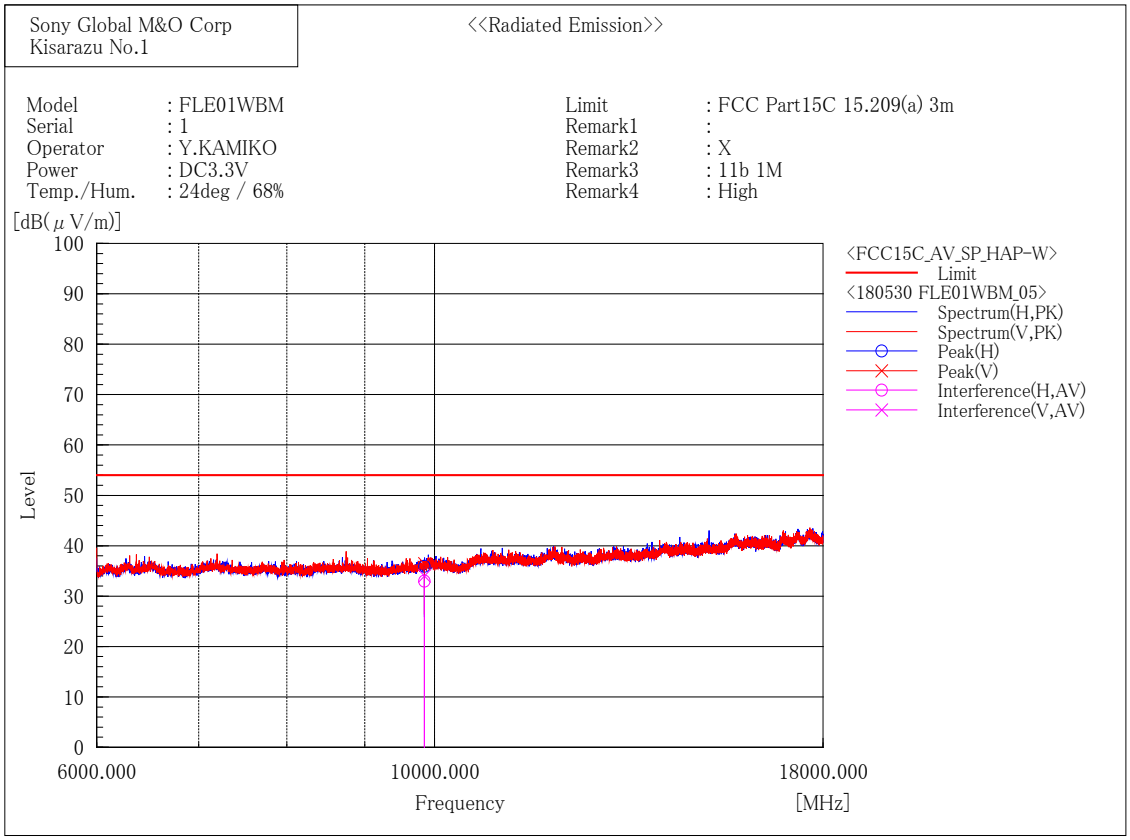
--- Horizontal Polarization (AV)---

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	9747.998	38.7	-6.2	32.5	54.0	21.5	358.6	90.2

--- 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	9748.210	39.5	-6.2	33.3	54.0	20.7	338.1	129.9

[802.11b/ 2462 MHz]



Final Result

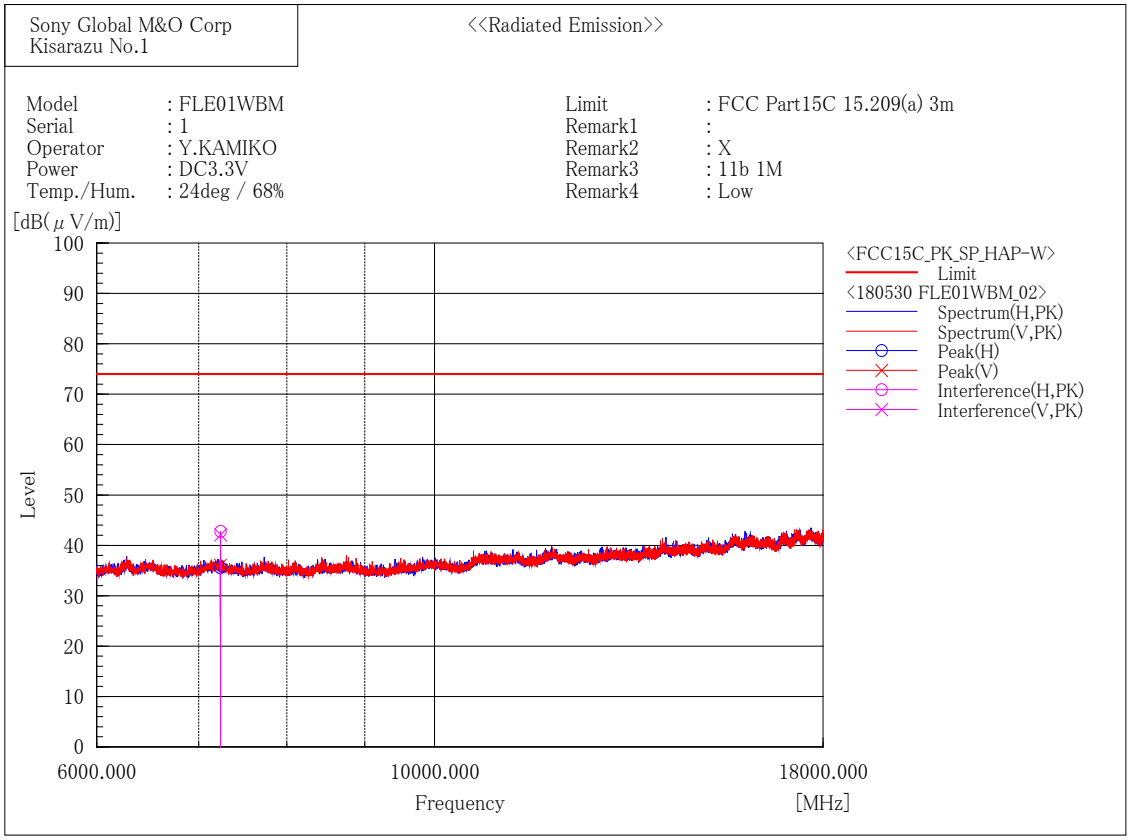
--- Horizontal Polarization (AV)---

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	9847.618	38.6	-5.6	33.0	54.0	21.0	296.0	95.8

--- 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	9847.882	39.6	-5.6	34.0	54.0	20.0	274.0	120.0

[802.11b/ 2412 MHz]



Final Result

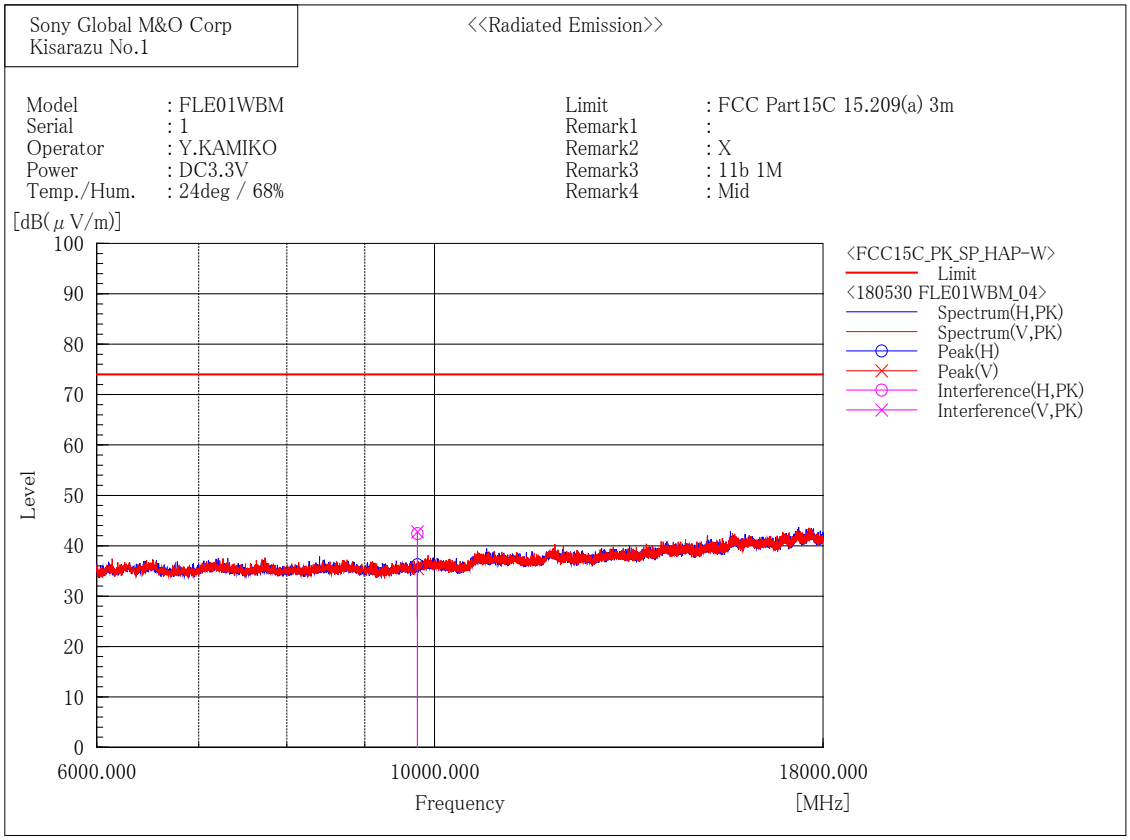
--- Horizontal Polarization (PK)---

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	7236.000	52.0	-9.2	42.8	74.0	31.4	292.0	159.7

--- 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	7236.000	51.3	-9.2	42.1	74.0	31.8	331.7	328.6

[802.11b/ 2437 MHz]



Final Result

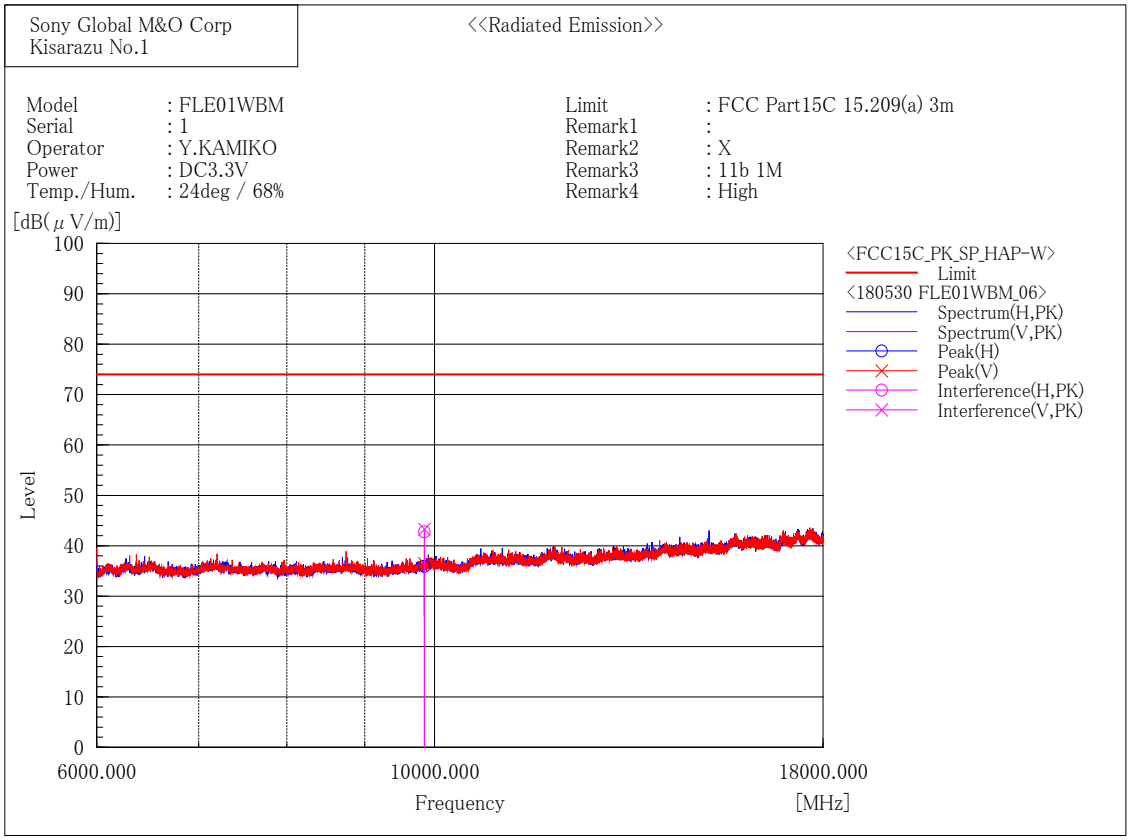
--- Horizontal Polarization (PK)---

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	9747.773	48.6	-6.2	42.4	74.0	31.6	360.0	89.9

--- 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	9747.754	49.0	-6.2	42.8	74.0	31.2	341.0	126.3

[802.11b/ 2462 MHz]



Final Result

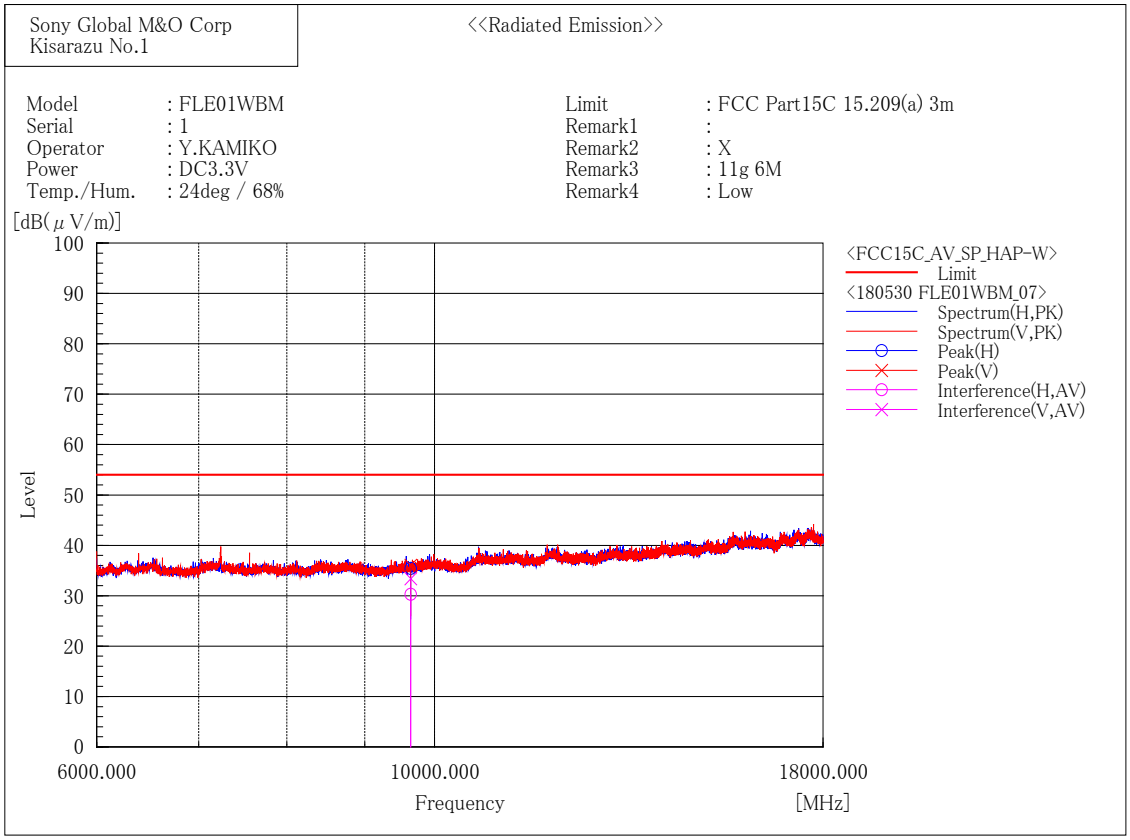
--- Horizontal Polarization (PK)---

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	9848.973	48.4	-5.6	42.8	74.0	31.2	295.6	97.2

--- 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	9848.535	48.9	-5.6	43.3	74.0	30.7	274.0	120.6

[802.11g/ 2412 MHz]



Final Result

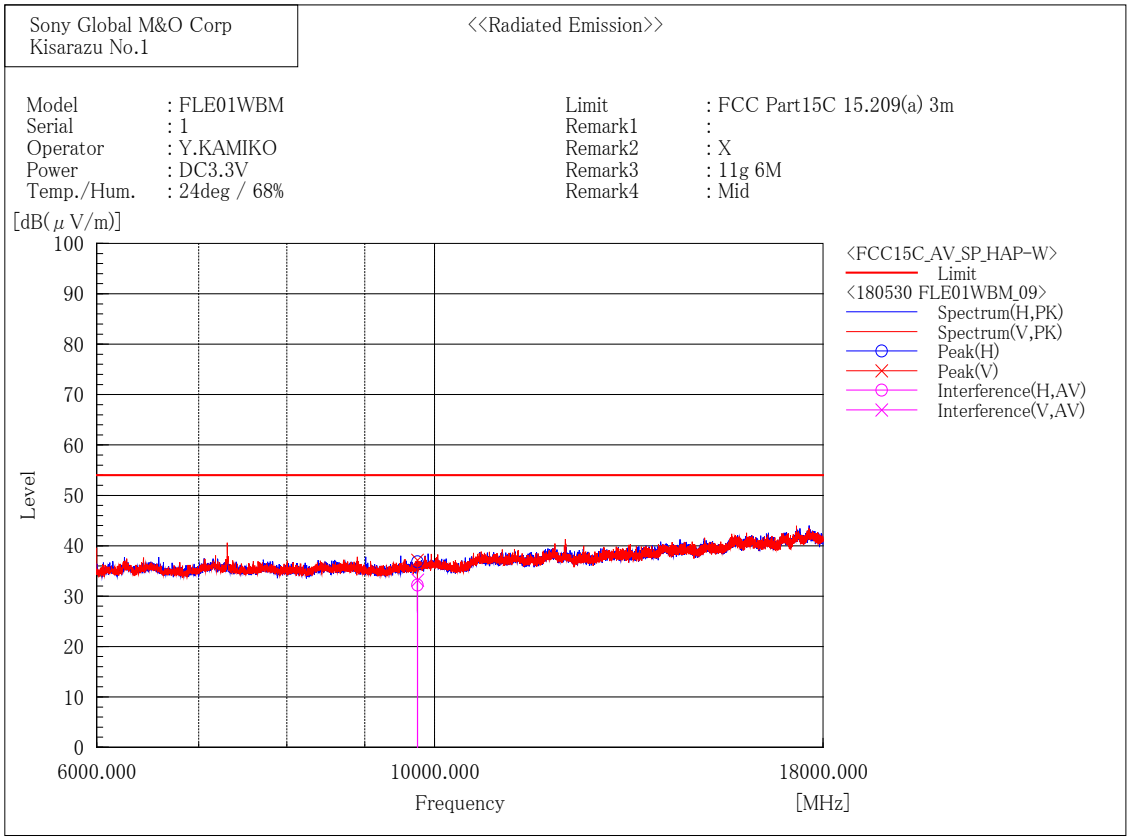
--- Horizontal Polarization (AV)---

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	9647.954	36.9	-6.6	30.3	54.0	23.7	390.0	263.7

--- 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	9648.092	40.0	-6.6	33.4	54.0	20.6	350.0	102.6

[802.11g/ 2437 MHz]



Final Result

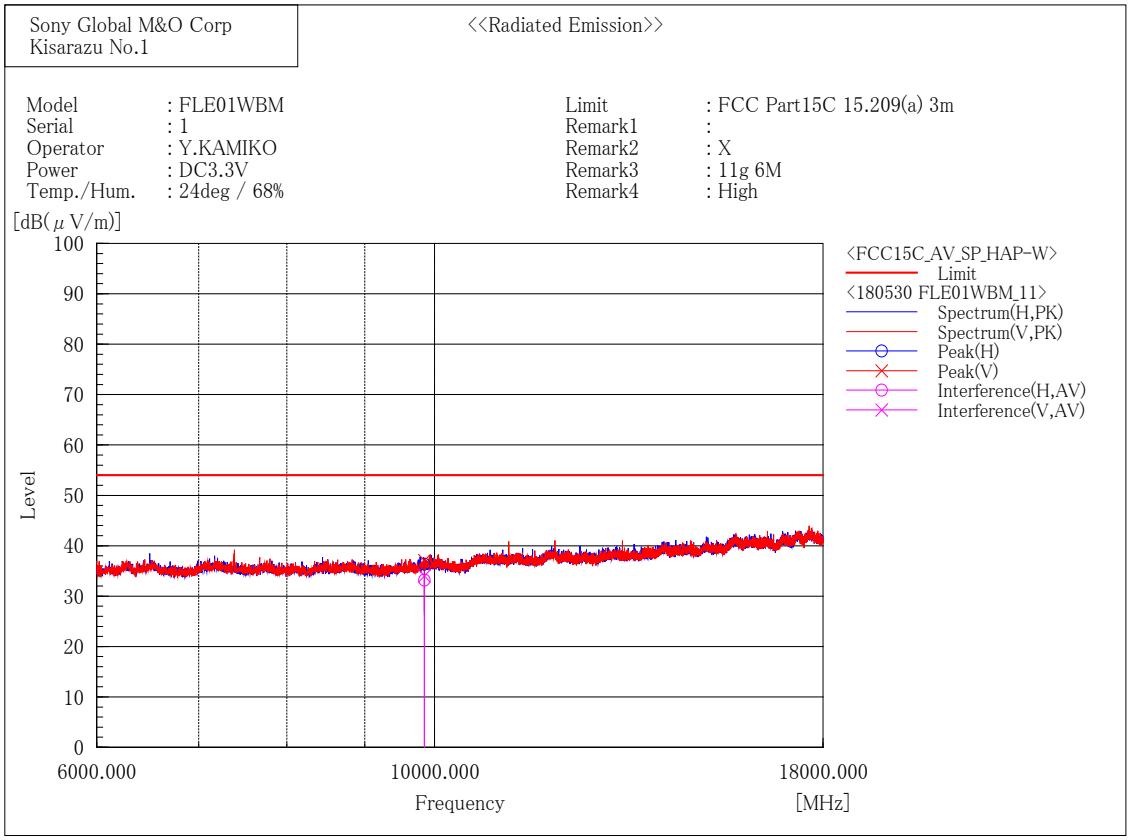
--- Horizontal Polarization (AV)---

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	9747.576	38.4	-6.2	32.2	54.0	21.8	344.5	135.6

--- 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	9748.002	39.4	-6.2	33.2	54.0	20.8	422.0	121.8

[802.11g/ 2462 MHz]



Final Result

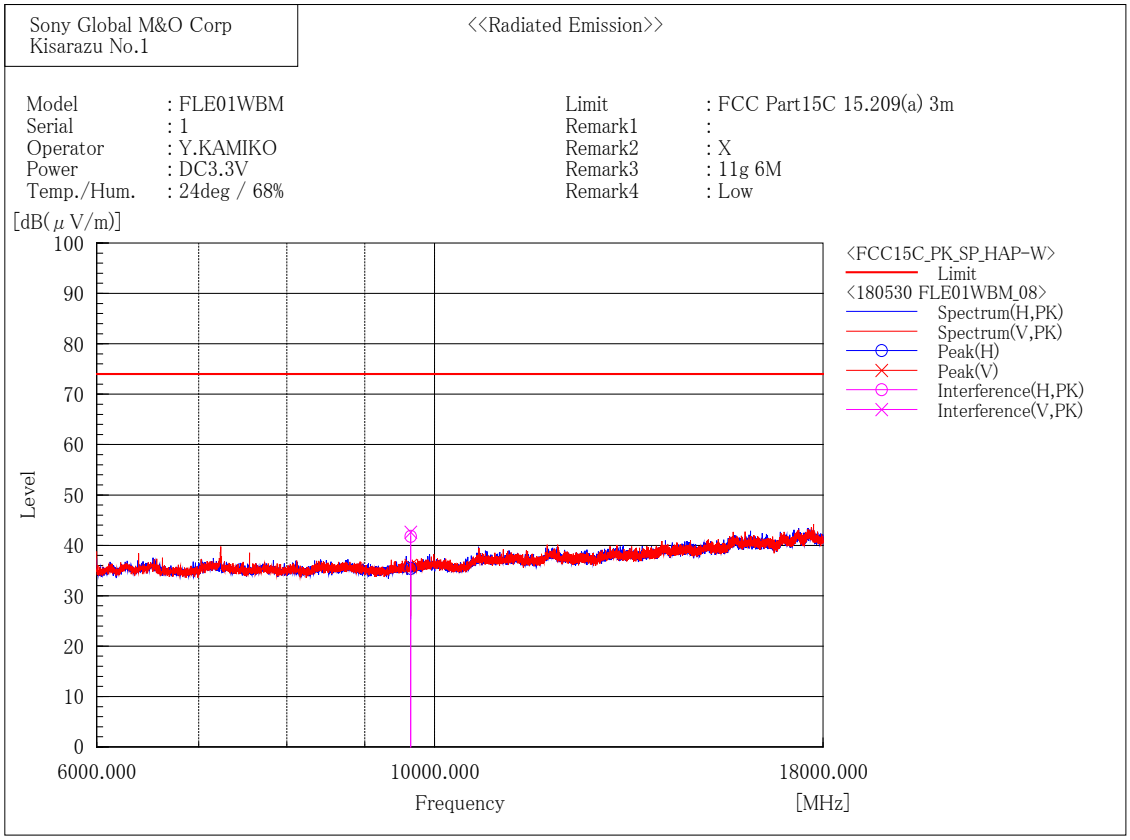
--- Horizontal Polarization (AV)---

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	9848.705	38.8	-5.6	33.2	54.0	20.8	383.0	259.0

--- 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	9847.895	39.6	-5.6	34.0	54.0	20.0	340.0	116.6

[802.11g/ 2412 MHz]



Final Result

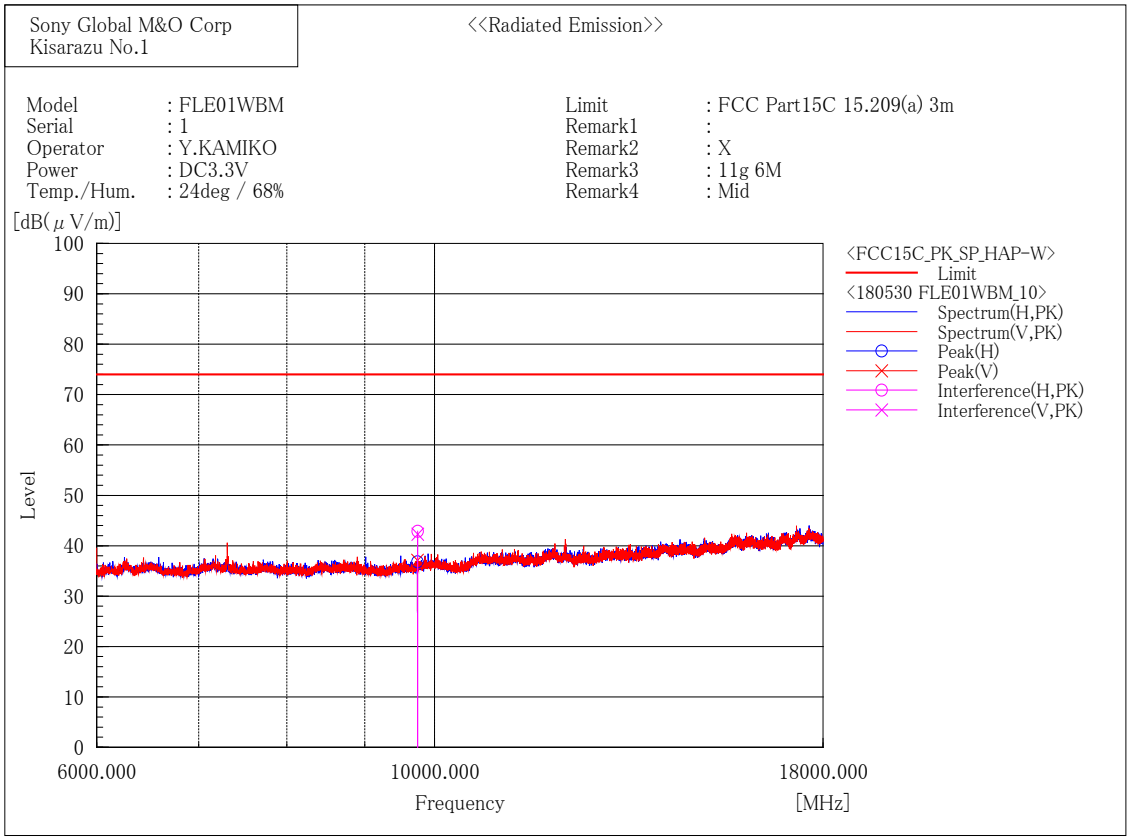
--- Horizontal Polarization (PK)---

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	9647.999	48.4	-6.6	41.8	74.0	32.2	390.0	263.7

--- 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	9647.594	49.2	-6.6	42.6	74.0	31.4	350.0	104.5

[802.11g/ 2437 MHz]



Final Result

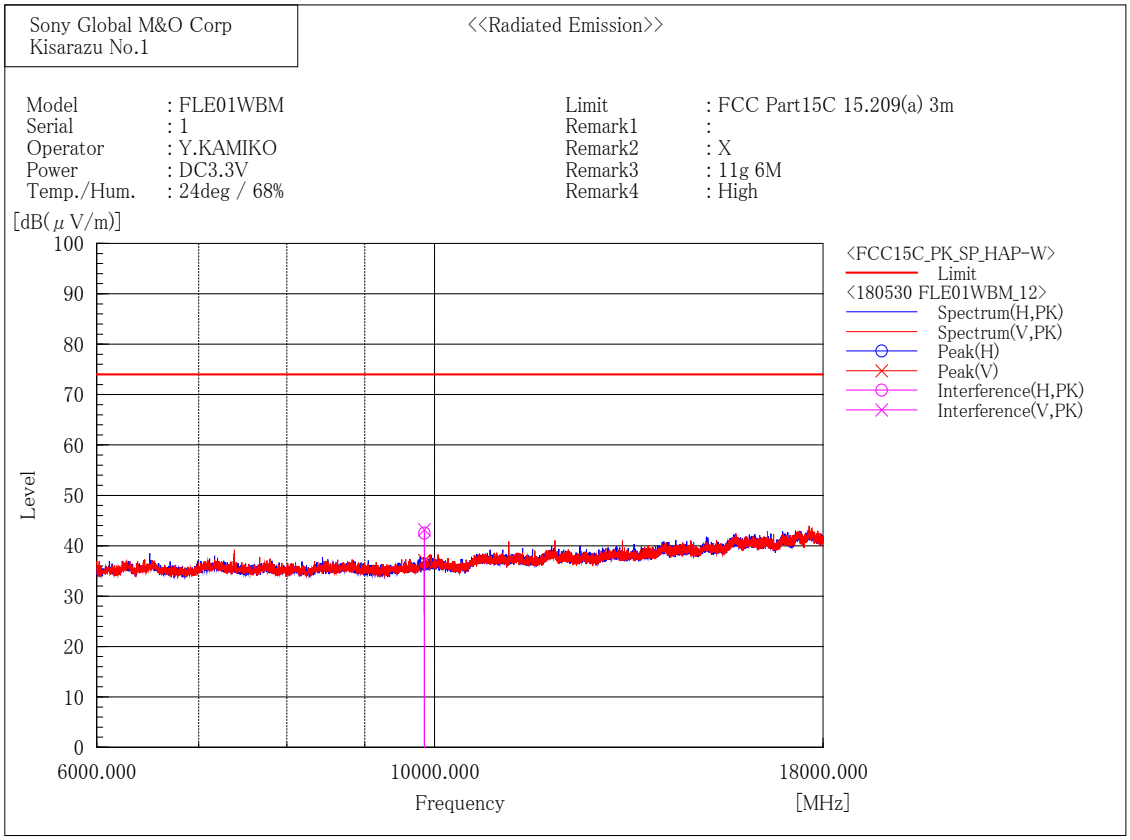
--- Horizontal Polarization (PK)---

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	9748.159	49.1	-6.2	42.9	74.0	31.1	349.1	136.9

--- 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	9748.102	48.5	-6.2	42.3	74.0	31.7	422.0	121.8

[802.11g/ 2462 MHz]



Final Result

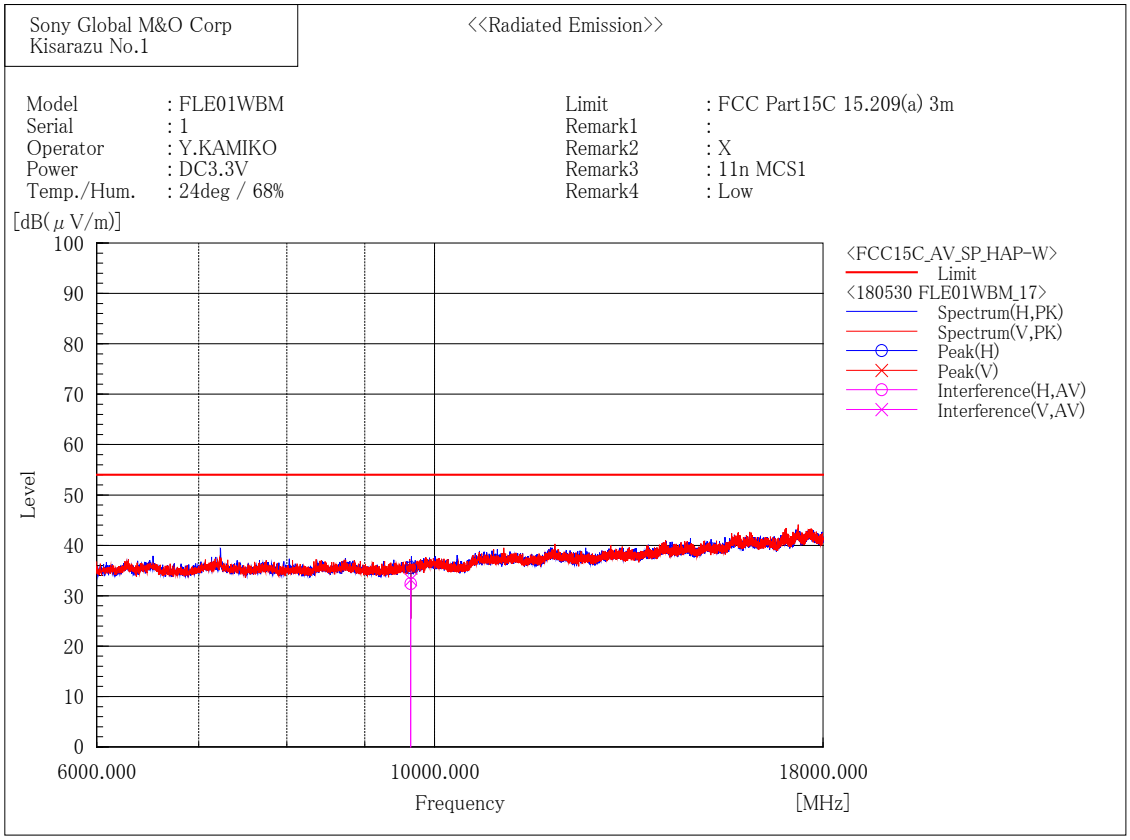
--- Horizontal Polarization (PK)---

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	9847.376	48.1	-5.6	42.5	74.0	31.5	383.0	259.0

--- 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	9847.972	48.8	-5.6	43.2	74.0	30.8	340.0	115.8

[802.11n (HT20)/ 2412 MHz]



Final Result

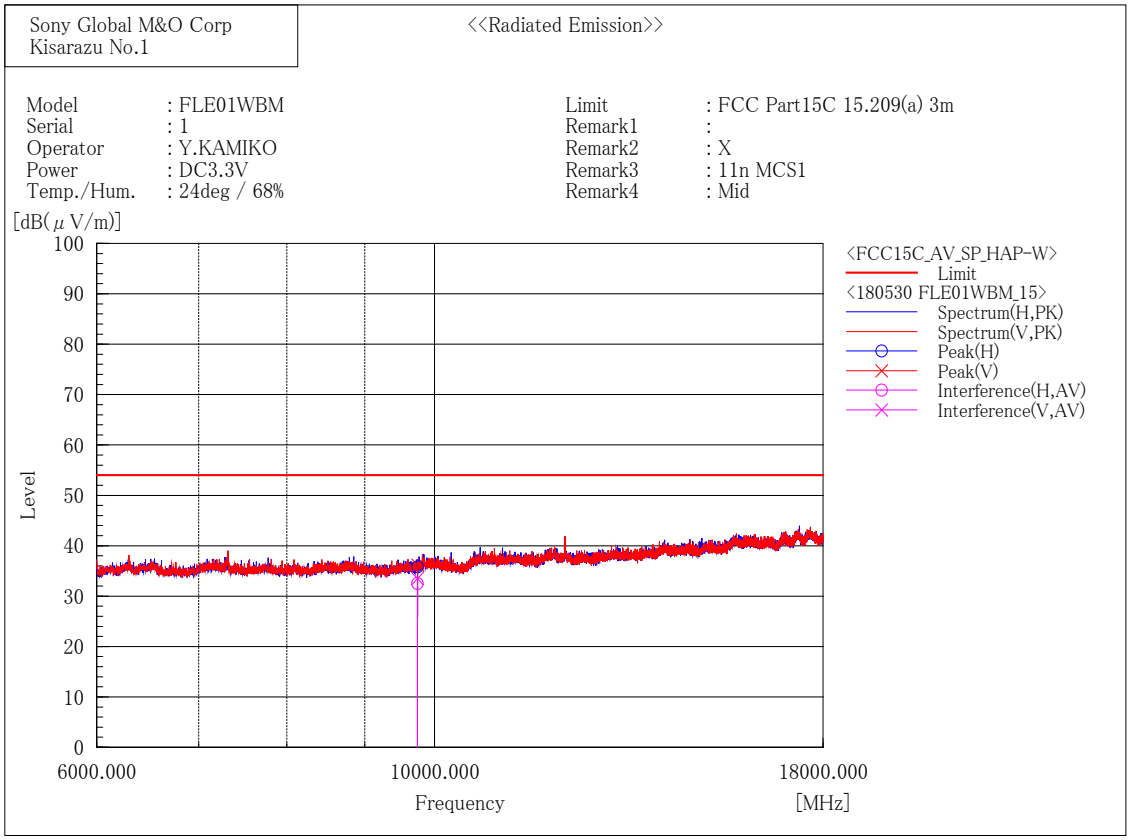
--- Horizontal Polarization (AV)---

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	9648.124	39.0	-6.6	32.4	54.0	21.6	431.0	90.7

--- 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	9647.812	39.8	-6.6	33.2	54.0	20.8	399.9	97.8

[802.11n (HT20)/ 2437 MHz]



Final Result

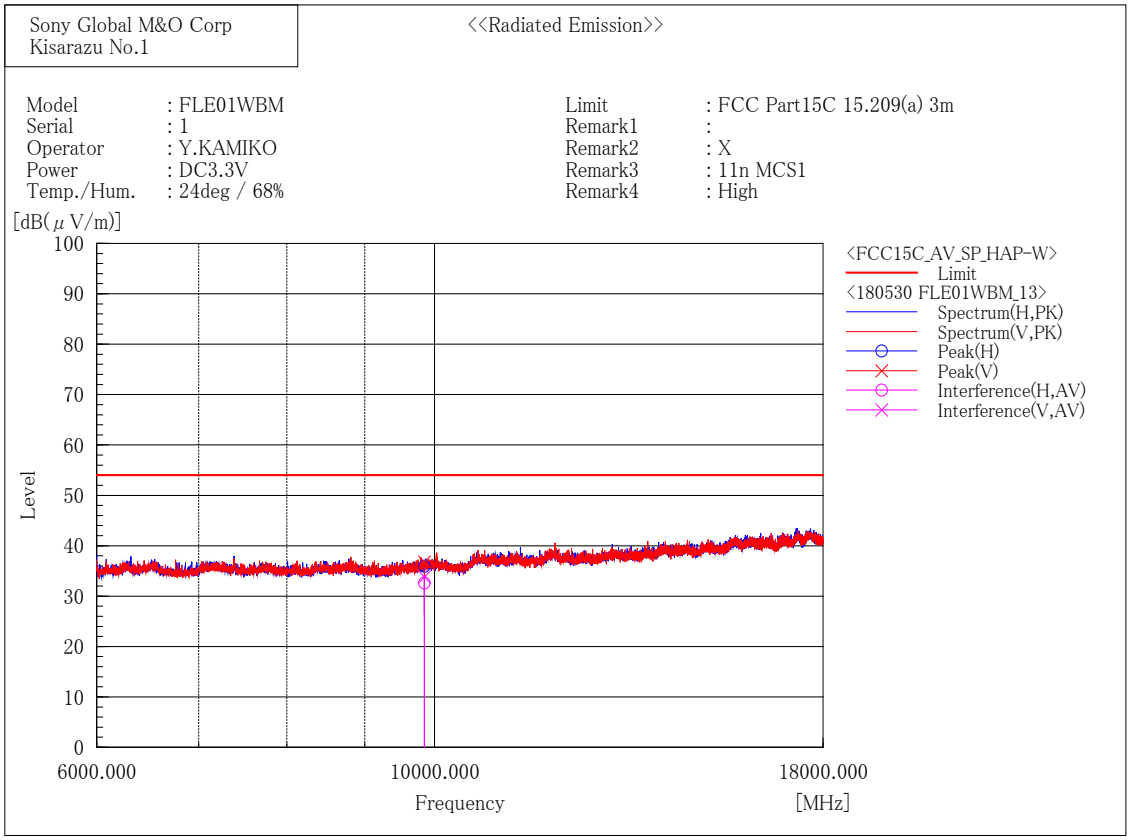
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dBμV]	c.f [dB(1/m)]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]
1	9747.667	38.7	-6.2	32.5	54.0	21.5	431.0	92.5

--- 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	9747.827	39.7	-6.2	33.5	54.0	20.5	272.0	108.1

[802.11n (HT20)/ 2462 MHz]



Final Result

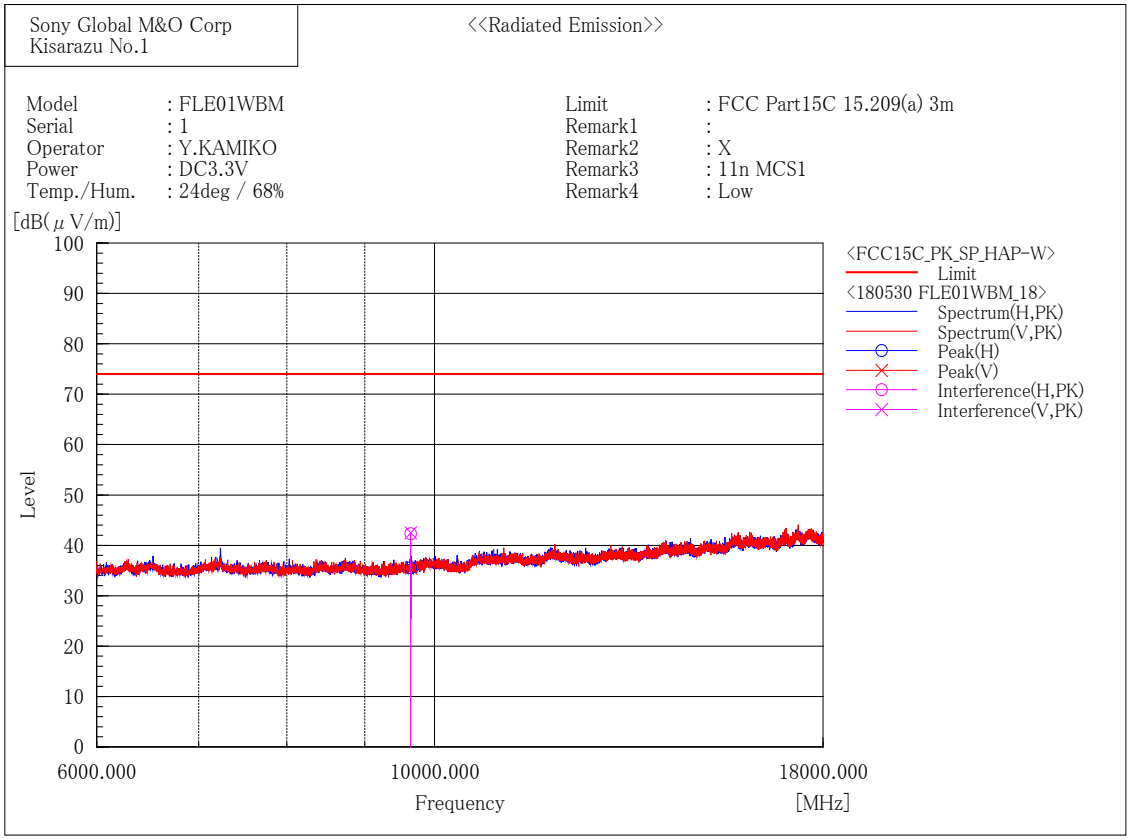
--- Horizontal Polarization (AV)---

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	9848.152	38.2	-5.6	32.6	54.0	21.4	393.9	105.3

--- 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	9848.086	39.4	-5.6	33.8	54.0	20.2	310.0	100.1

[802.11n (HT20)/ 2412 MHz]



Final Result

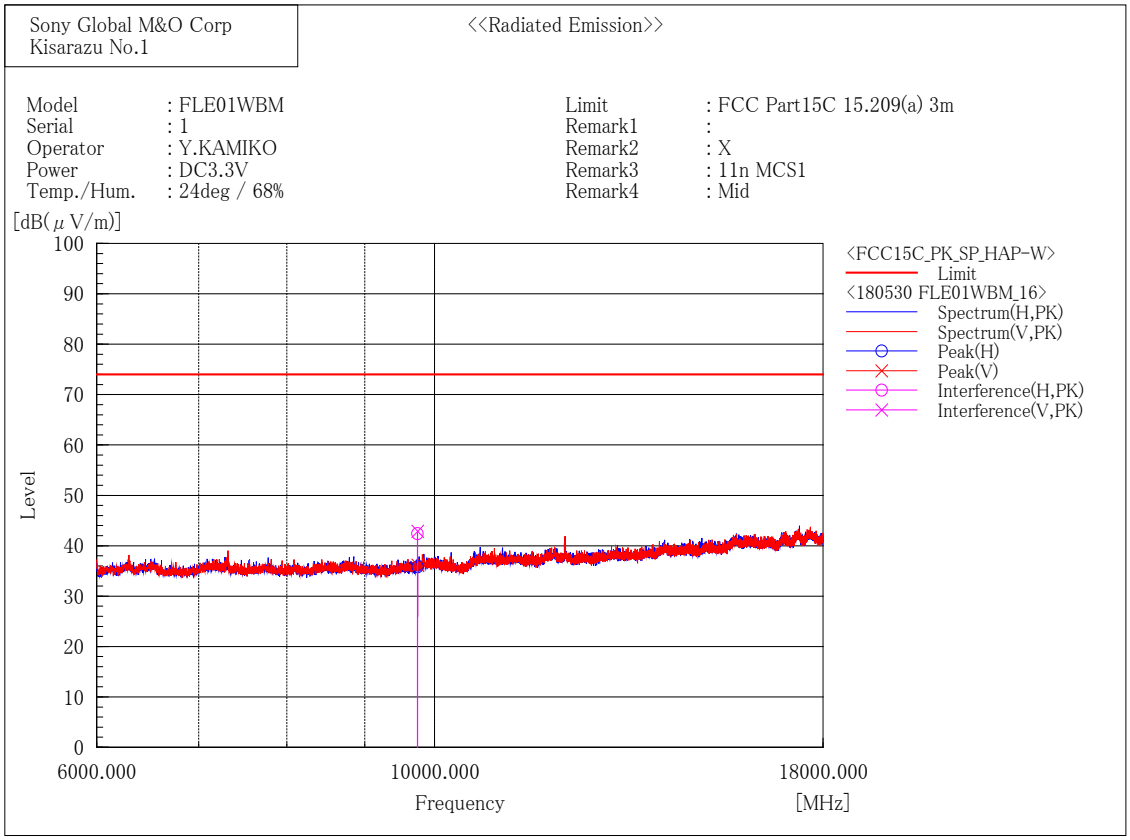
--- Horizontal Polarization (PK)---

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	9648.794	48.9	-6.6	42.3	74.0	31.7	431.0	90.7

--- 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	9647.156	49.1	-6.6	42.5	74.0	31.5	399.0	95.4

[802.11n (HT20)/ 2437 MHz]



Final Result

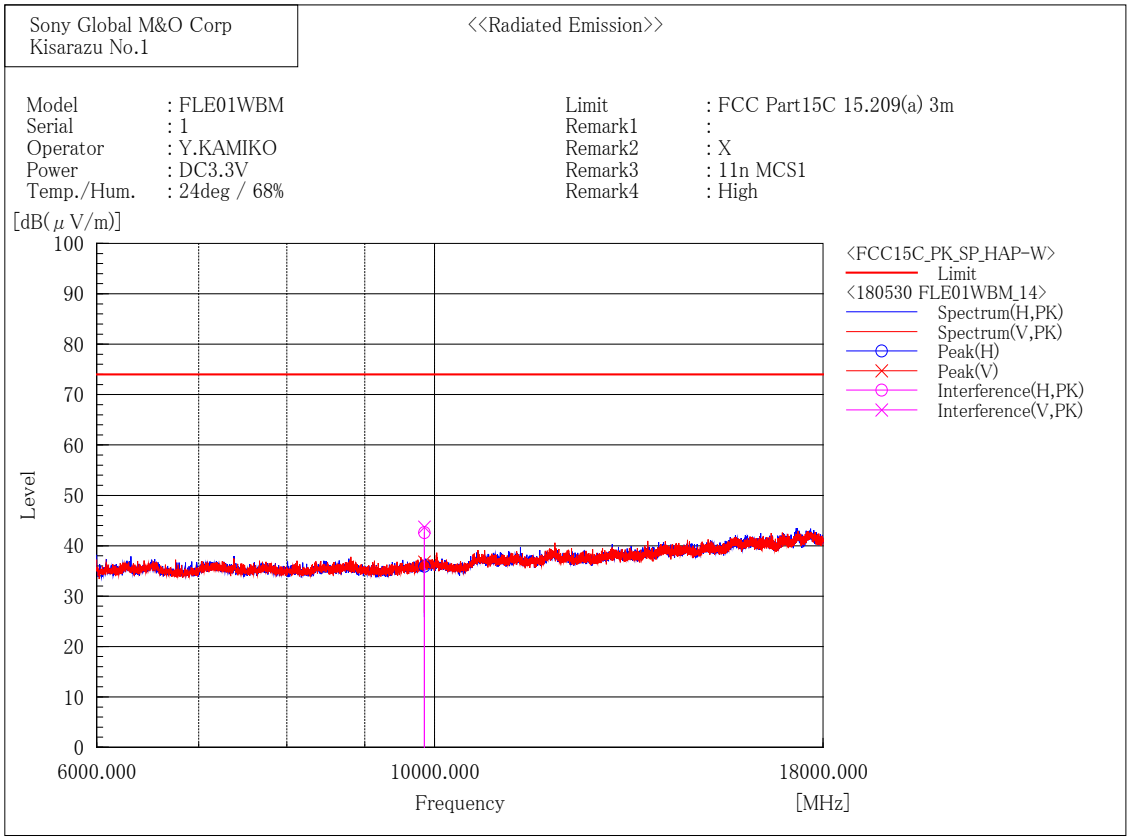
--- Horizontal Polarization (PK)---

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	9747.852	48.6	-6.2	42.4	74.0	31.6	428.0	97.8

--- 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	9748.339	49.1	-6.2	42.9	74.0	31.1	272.0	108.1

[802.11n (HT20)/ 2462 MHz]



Final Result

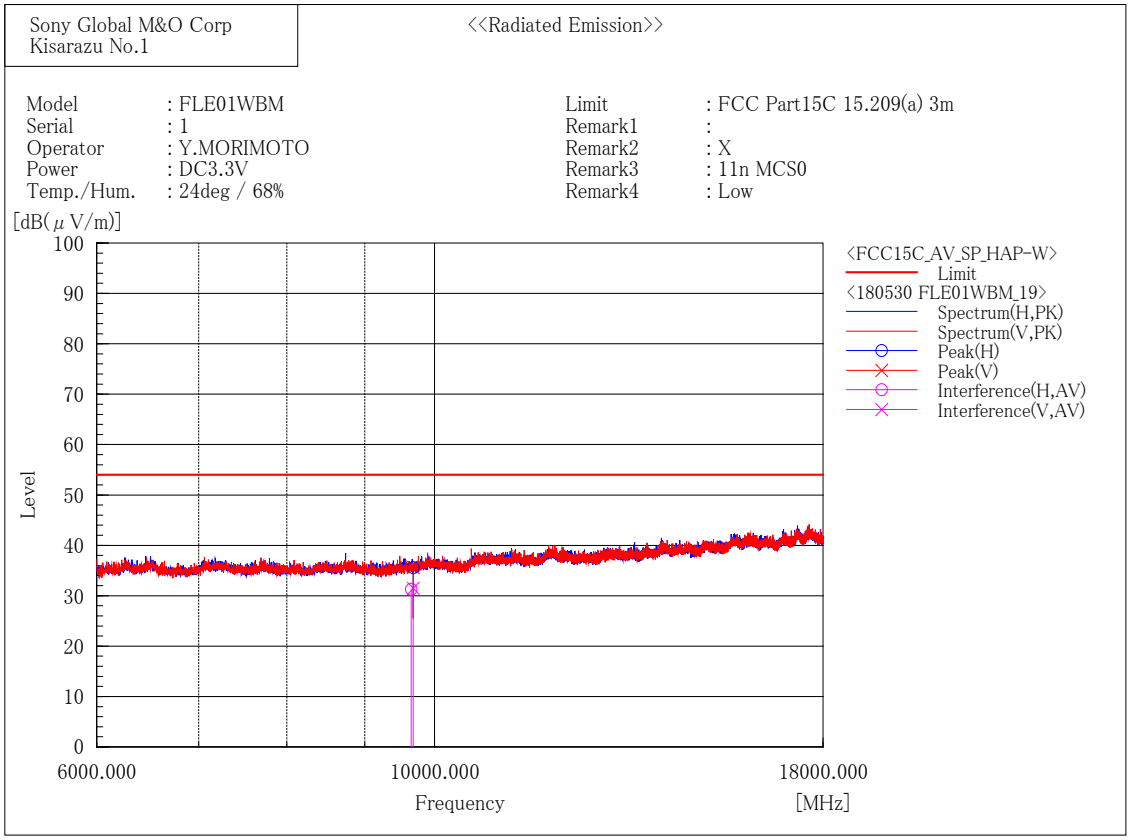
--- Horizontal Polarization (PK)---

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	9848.636	48.2	-5.6	42.6	74.0	31.4	391.3	105.6

--- 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	9847.843	49.3	-5.6	43.7	74.0	30.3	310.0	100.1

[802.11n (HT40)/ 2422 MHz]



Final Result

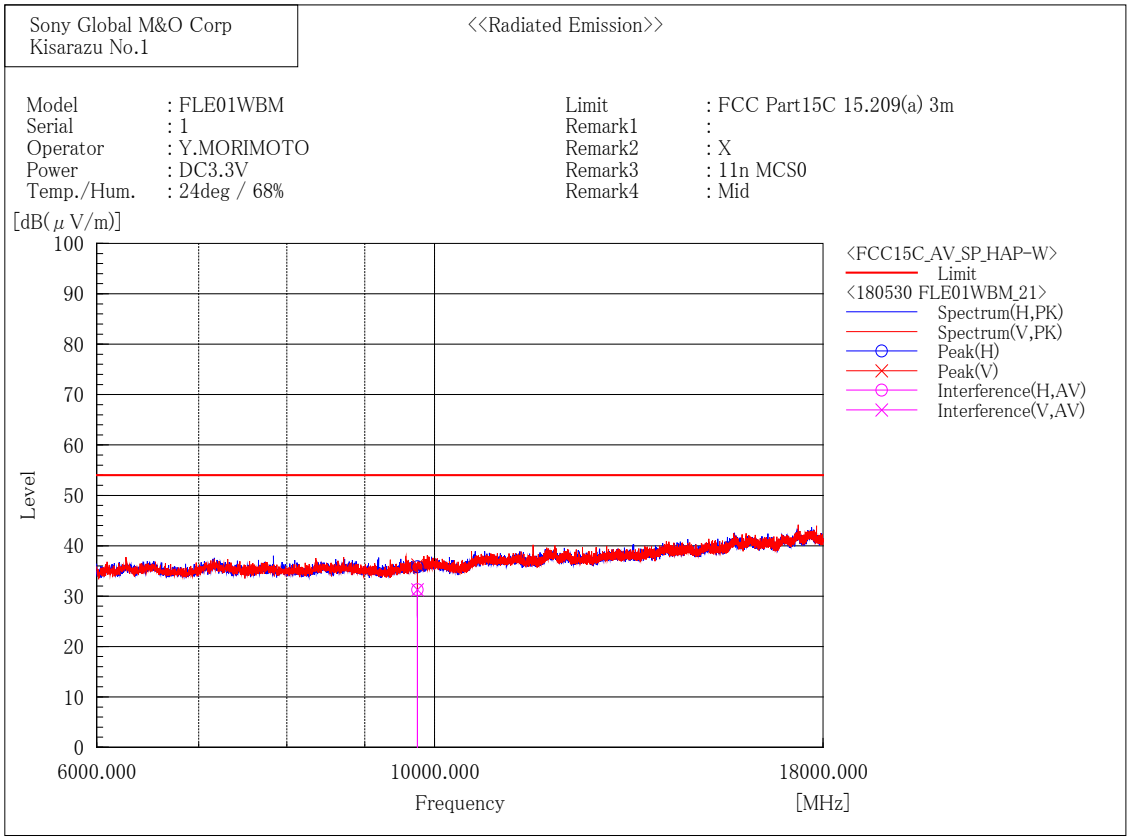
--- Horizontal Polarization (AV)---

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	9653.198	37.9	-6.6	31.3	54.0	22.7	100.0	170.9

--- 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	9685.123	37.9	-6.4	31.5	54.0	22.5	421.8	133.2

[802.11n (HT40)/ 2437 MHz]



Final Result

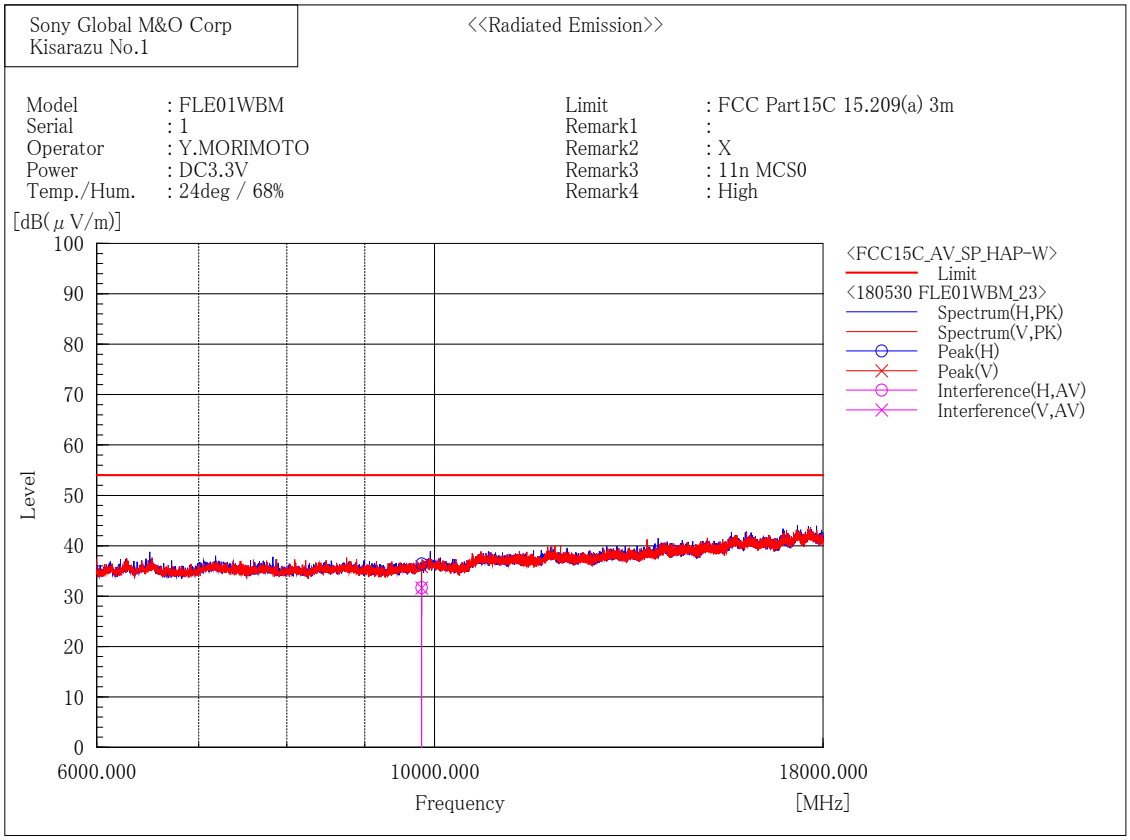
--- Horizontal Polarization (AV)---

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	9744.955	37.5	-6.2	31.3	54.0	22.7	432.0	253.9

--- 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	9745.214	37.5	-6.2	31.3	54.0	22.7	225.7	271.3

[802.11n (HT40)/ 2452 MHz]



Final Result

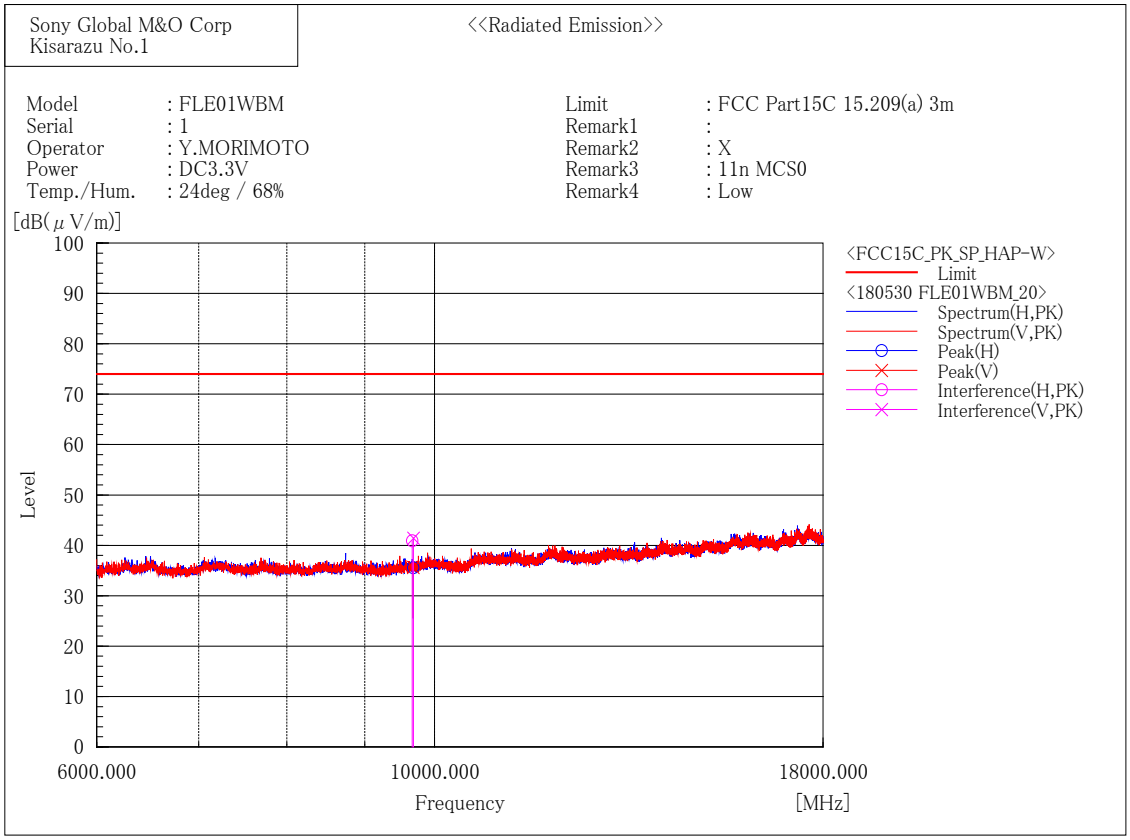
--- Horizontal Polarization (AV)---

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	9808.142	37.6	-5.9	31.7	54.0	22.3	371.5	151.8

--- 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	9806.718	37.5	-5.9	31.6	54.0	22.4	280.1	239.8

[802.11n (HT40)/ 2422 MHz]



Final Result

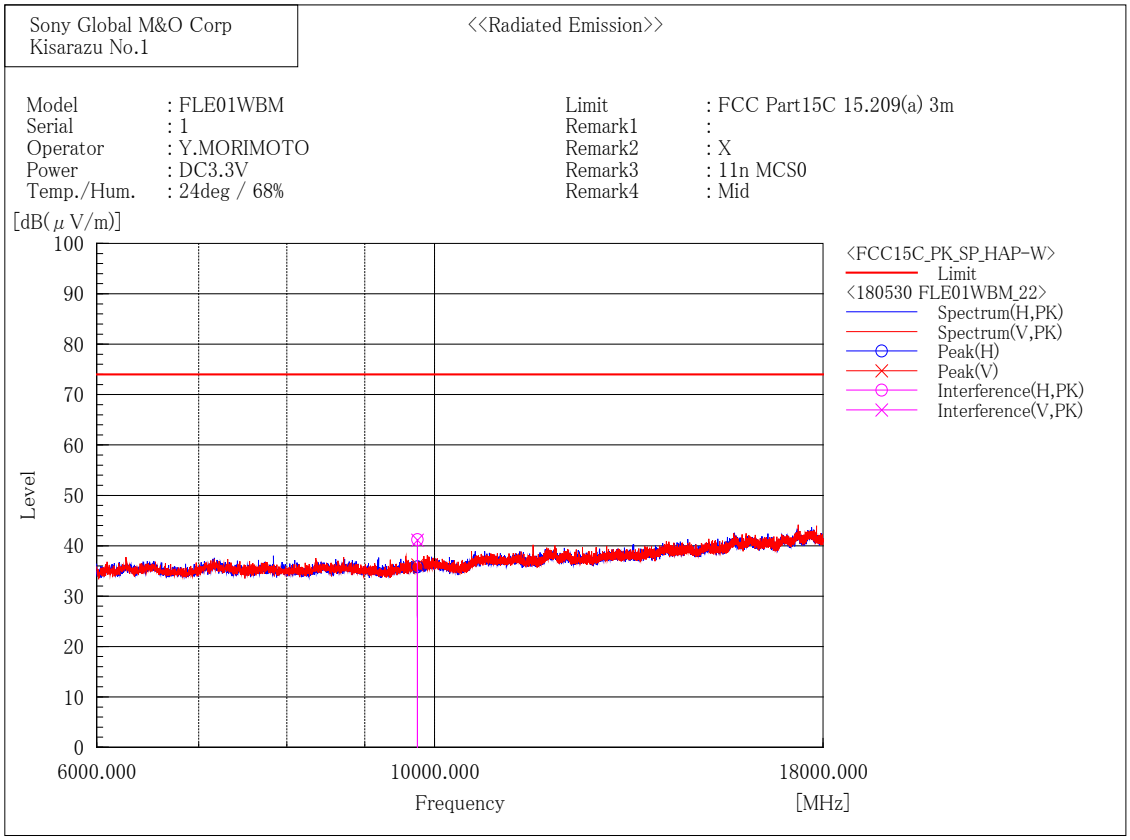
--- Horizontal Polarization (PK)---

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	9669.958	47.4	-6.5	40.9	74.0	33.1	100.0	168.9

--- 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	9686.966	47.9	-6.4	41.5	74.0	32.5	421.8	133.2

[802.11n (HT40)/ 2437 MHz]



Final Result

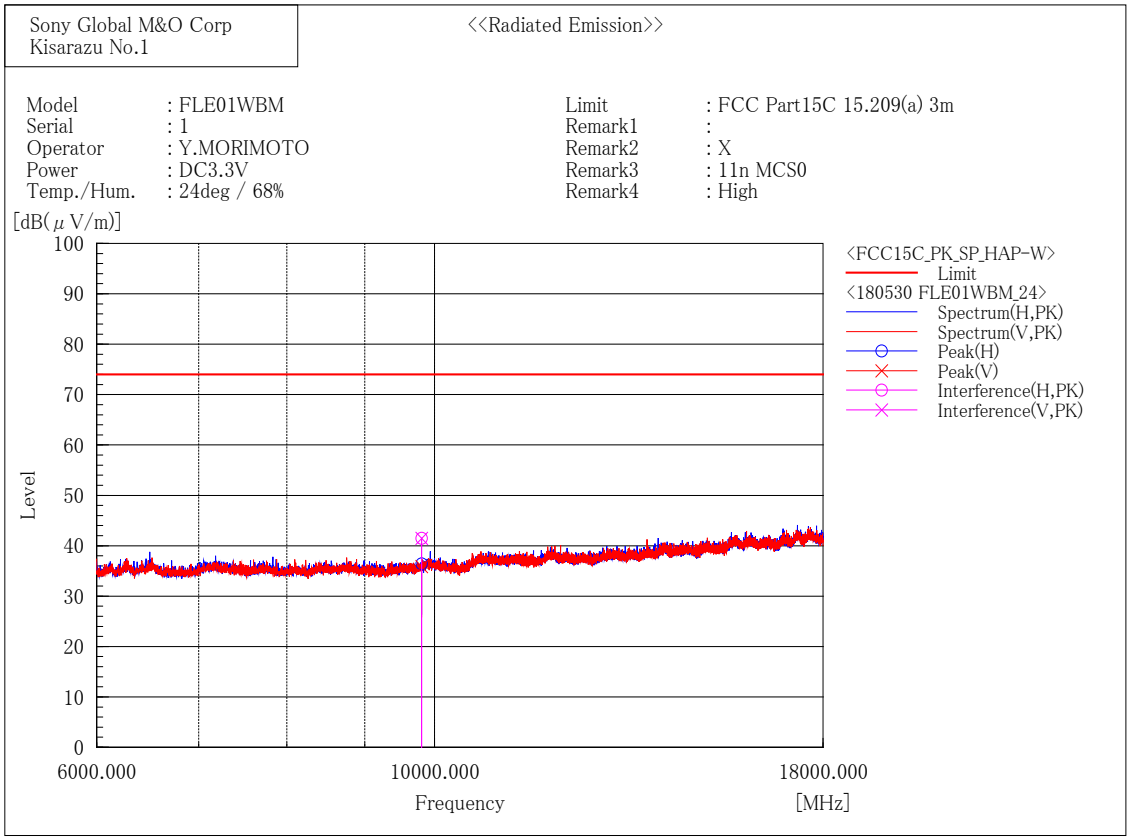
--- Horizontal Polarization (PK)---

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	9746.933	47.4	-6.2	41.2	74.0	32.8	432.0	253.9

--- 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	9745.714	47.3	-6.2	41.1	74.0	32.6	225.7	269.3

[802.11n (HT40)/ 2452 MHz]



Final Result

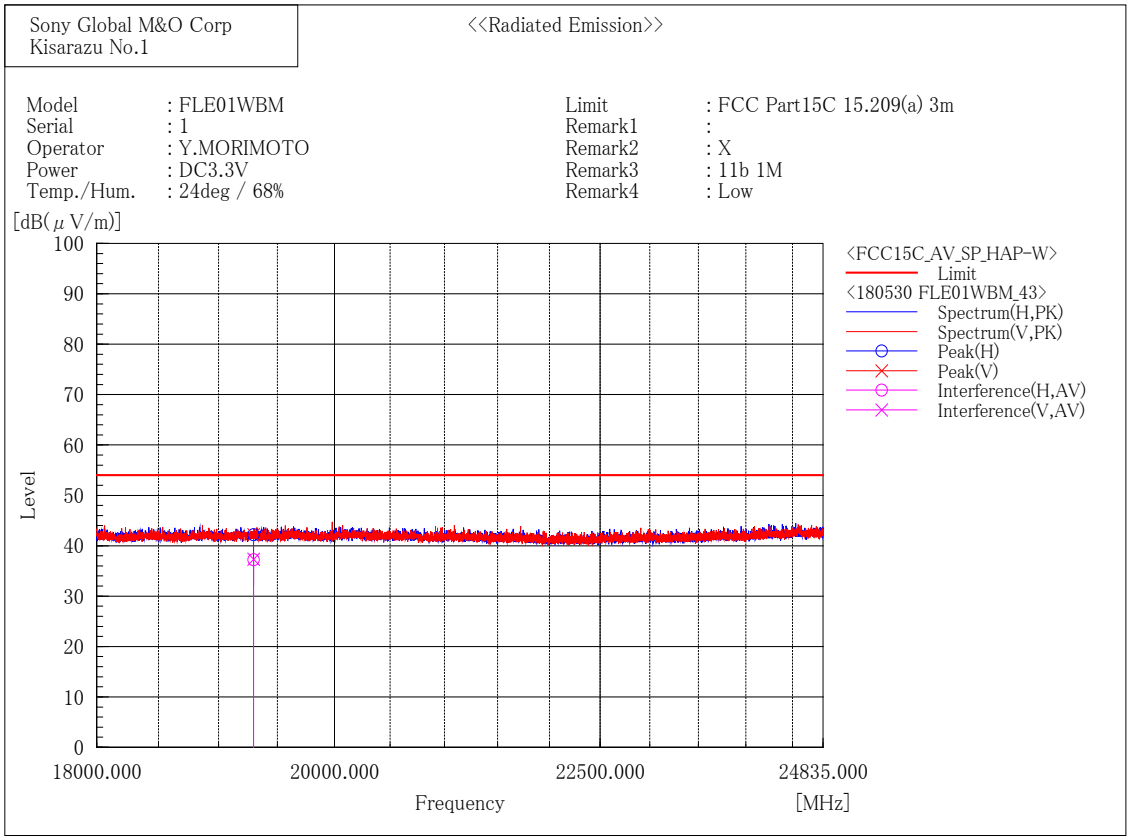
--- Horizontal Polarization (PK)---

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	9807.184	47.4	-5.9	41.5	74.0	32.5	371.5	153.9

--- 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	9807.826	47.4	-5.9	41.5	74.0	32.5	280.1	239.8

18 GHz to 26.5 GHz
[802.11b/ 2412 MHz]



Final Result

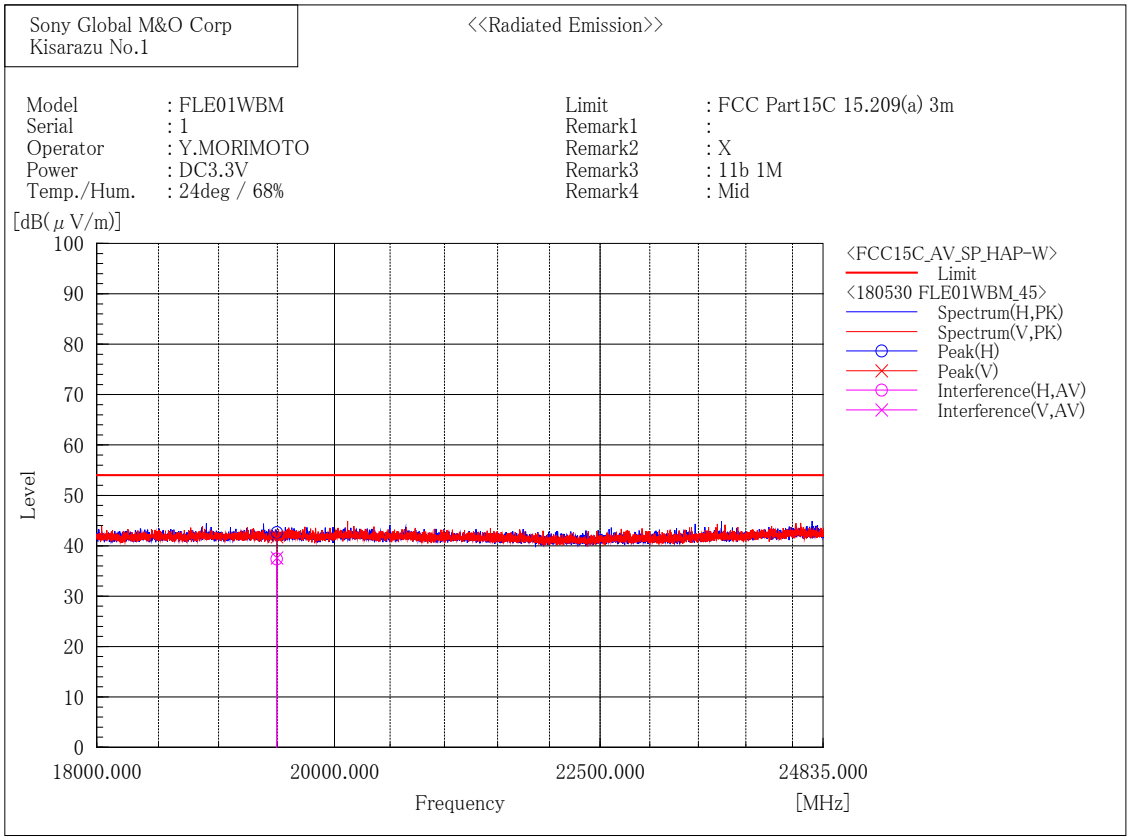
--- Horizontal Polarization (AV)---

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	19295.142	31.8	5.4	37.2	54.0	16.8	200.8	203.5

--- 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	19295.276	31.9	5.4	37.3	54.0	16.7	235.9	175.3

[802.11b/ 2437 MHz]



Final Result

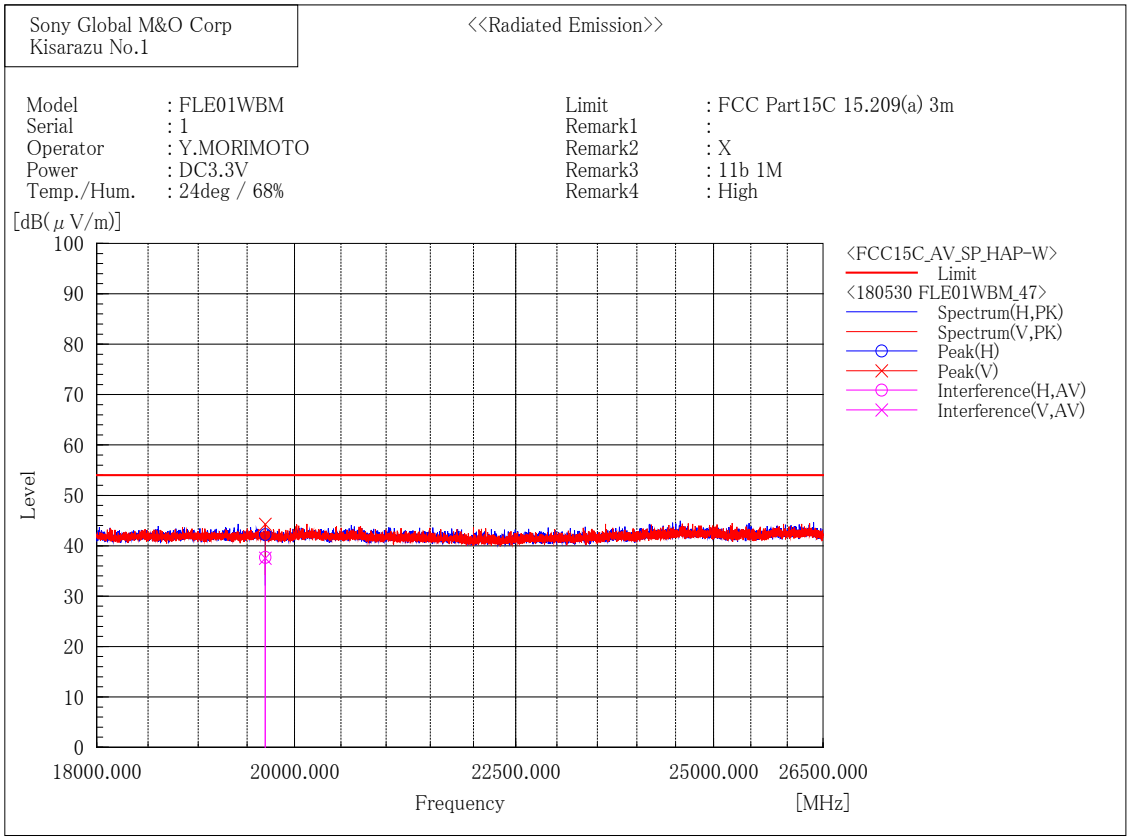
--- Horizontal Polarization (AV)---

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	19495.358	31.9	5.5	37.4	54.0	16.6	100.0	246.9

--- 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	19496.782	32.1	5.5	37.6	54.0	16.4	432.0	168.9

[802.11b/ 2462 MHz]



Final Result

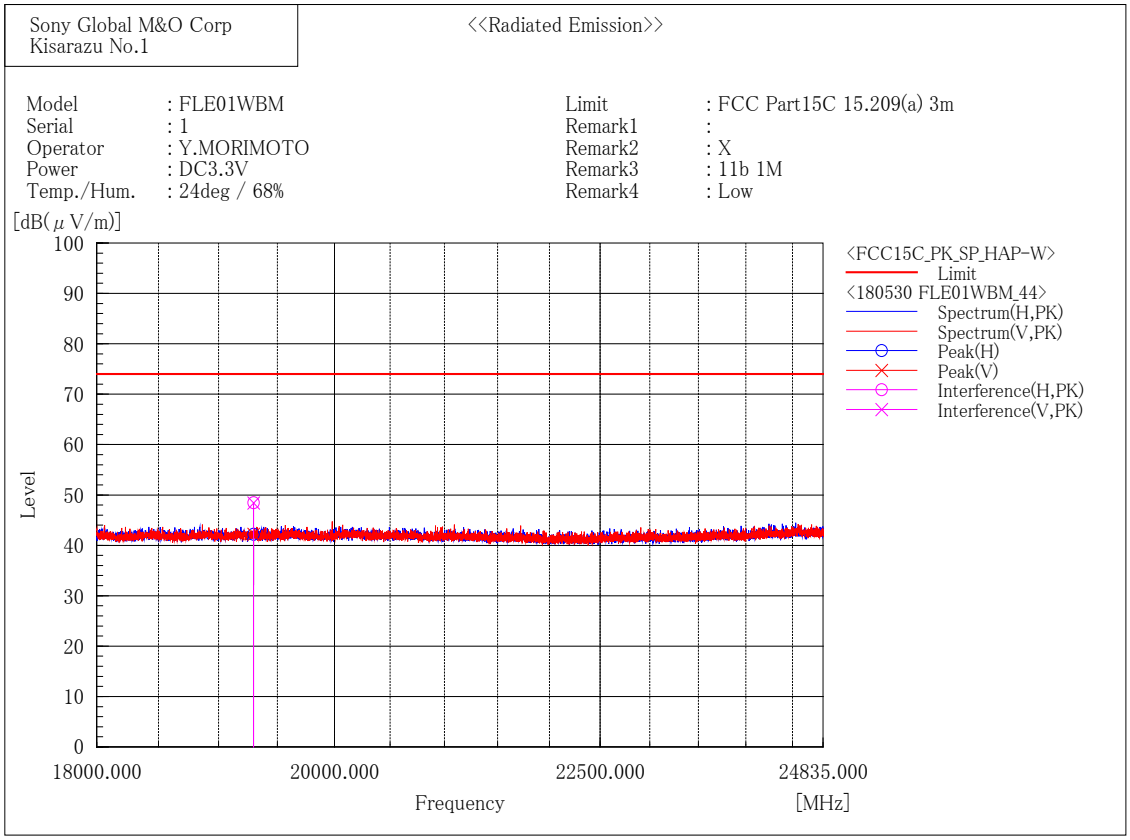
--- Horizontal Polarization (AV)---

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	19689.704	32.2	5.5	37.7	54.0	16.3	105.9	275.7

--- 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	19690.234	32.1	5.5	37.6	54.0	16.4	235.6	289.2

[802.11b/ 2412 MHz]



Final Result

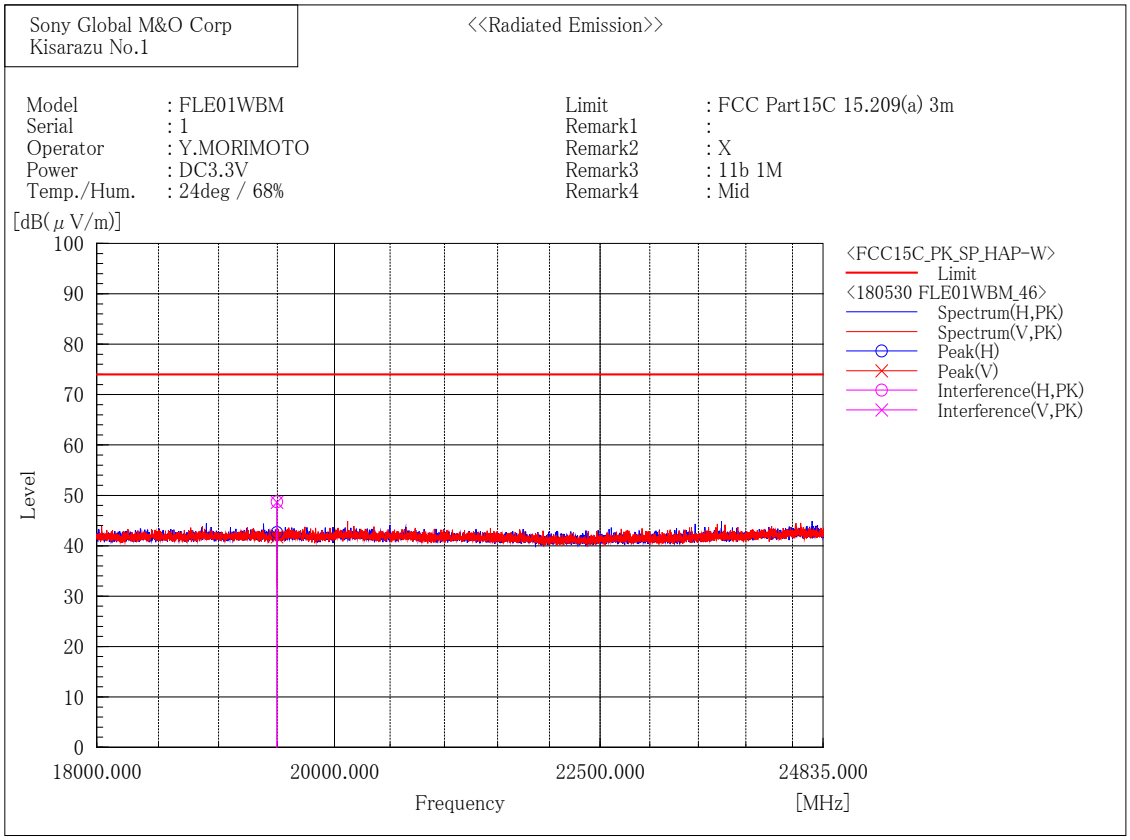
--- Horizontal Polarization (PK)---

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	19295.316	43.1	5.4	48.5	74.0	25.5	200.8	203.5

--- 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	19295.342	43.0	5.4	48.4	74.0	25.6	235.9	177.3

[802.11b/ 2437 MHz]



Final Result

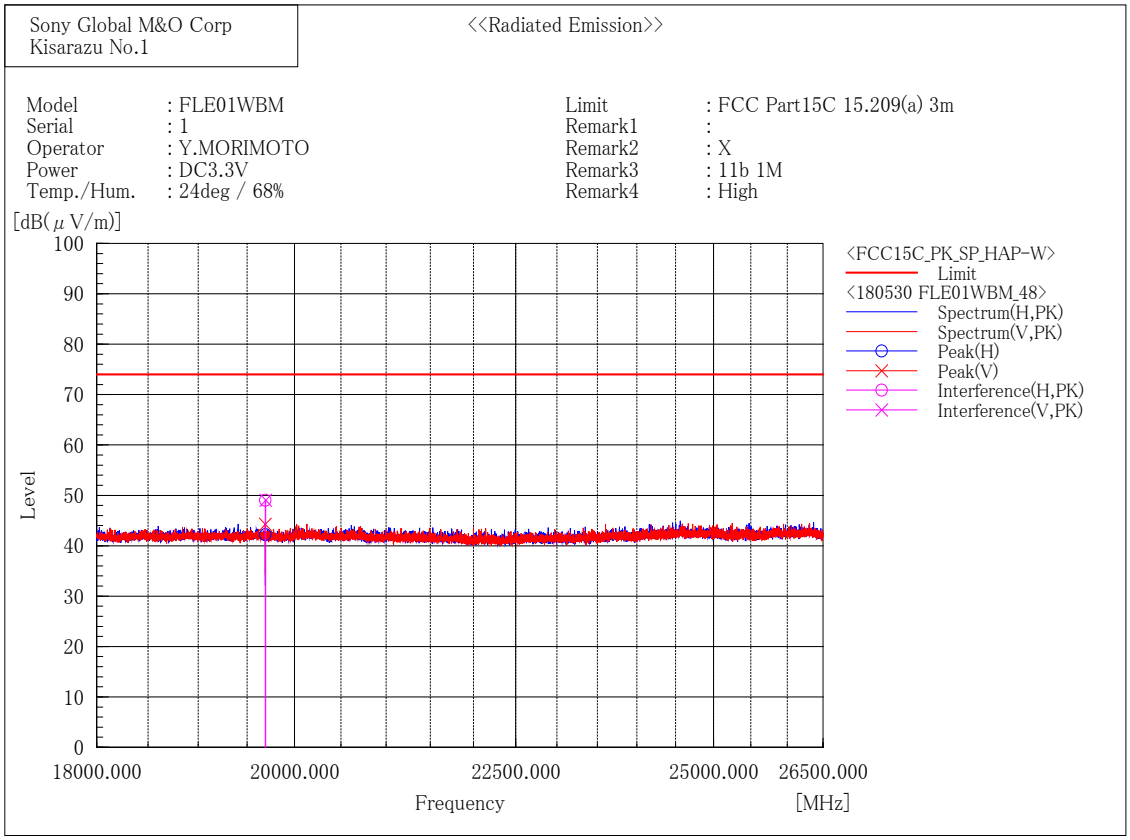
--- Horizontal Polarization (PK)---

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	19496.198	43.2	5.5	48.7	74.0	25.3	100.0	244.9

--- 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	19497.340	43.1	5.5	48.6	74.0	25.4	432.0	168.9

[802.11b/ 2462 MHz]



Final Result

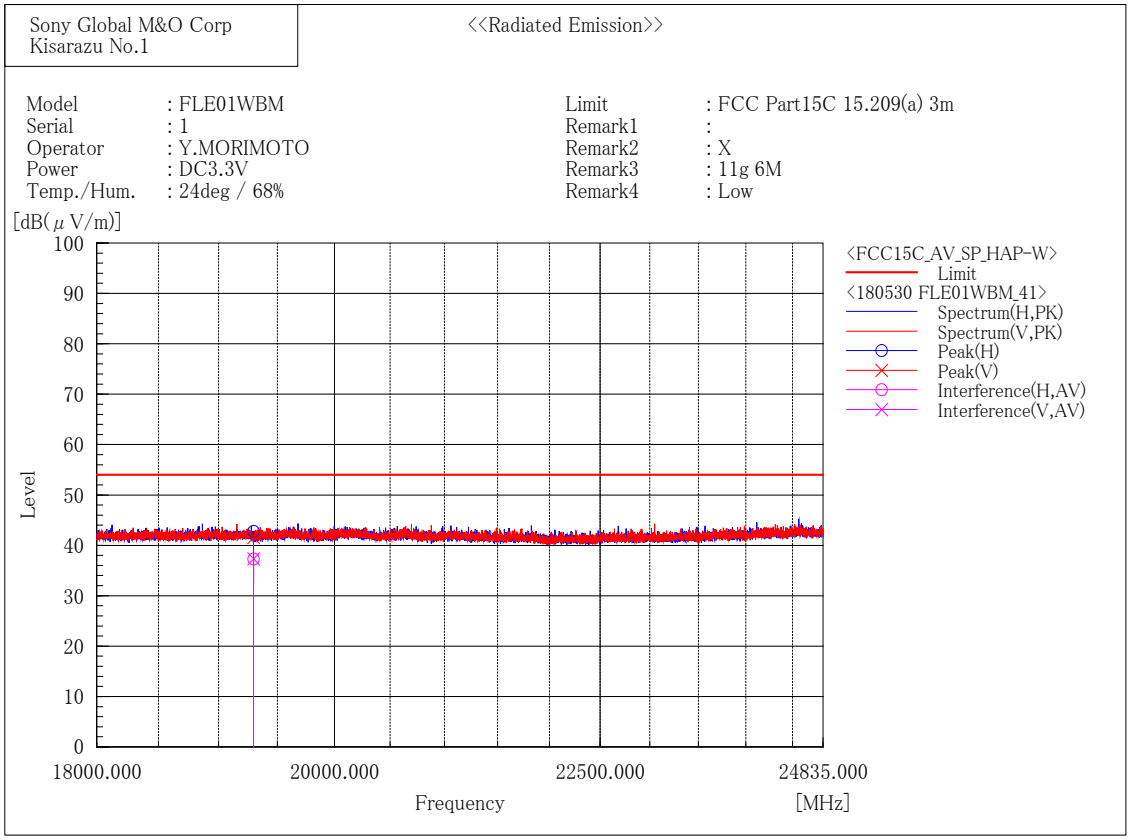
--- Horizontal Polarization (PK)---

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	19690.378	43.5	5.5	49.0	74.0	25.0	105.9	275.7

--- 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	19696.520	43.5	5.5	49.0	74.0	25.0	235.6	287.4

[802.11g/ 2412 MHz]



Final Result

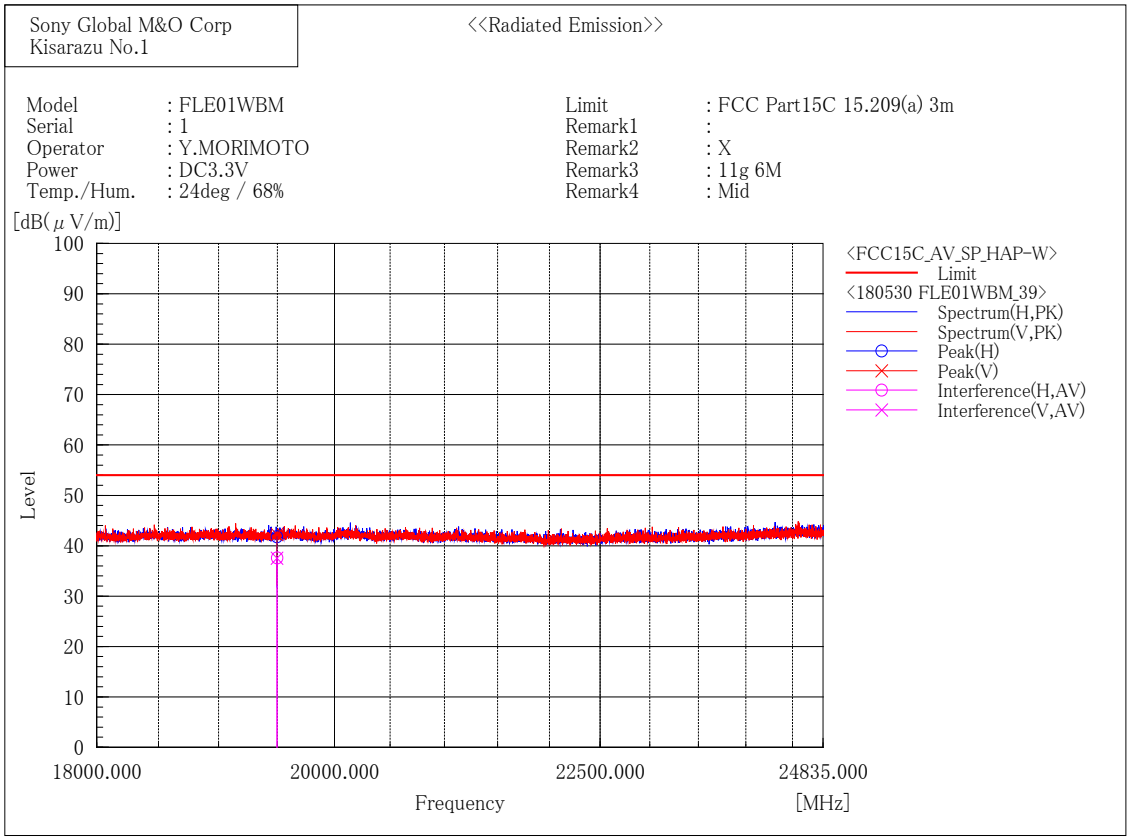
--- Horizontal Polarization (AV)---

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	19296.990	31.9	5.4	37.3	54.0	16.7	225.0	106.1

--- 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	19296.590	32.0	5.4	37.4	54.0	16.6	162.5	351.4

[802.11g/ 2437 MHz]



Final Result

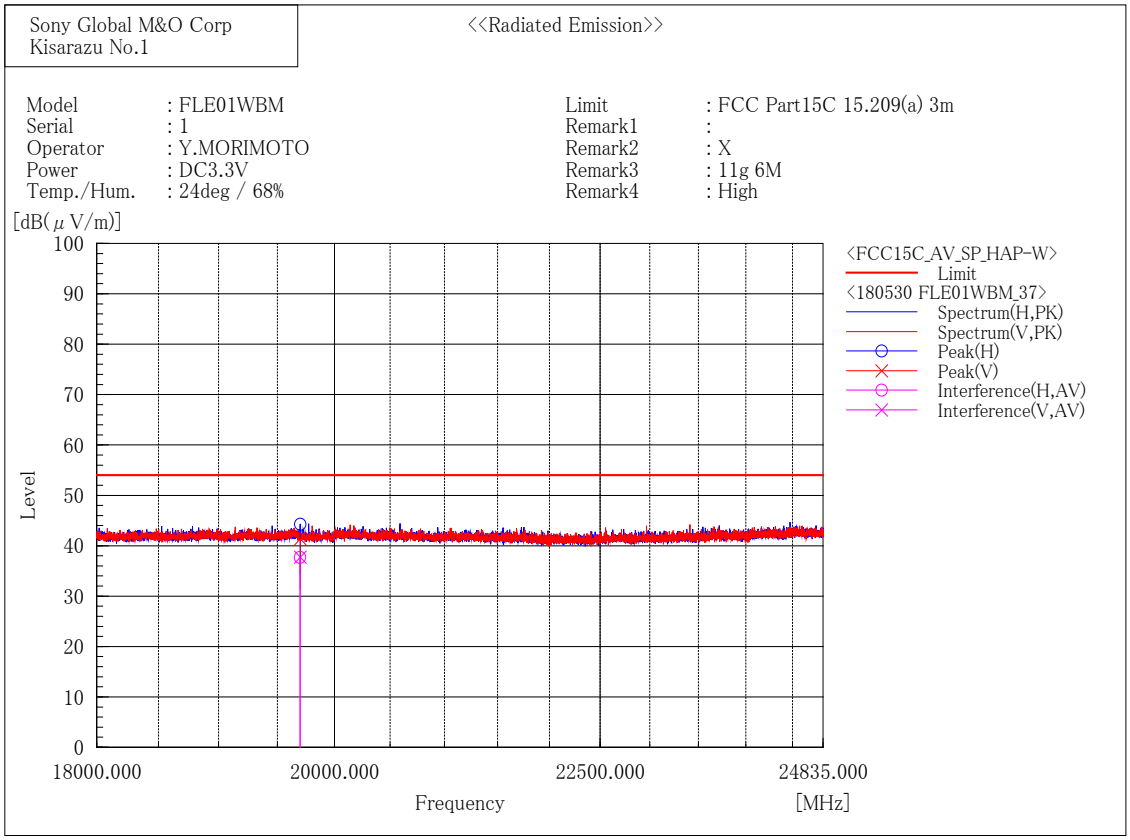
--- Horizontal Polarization (AV)---

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	19497.708	32.1	5.5	37.6	54.0	16.4	408.7	22.1

--- 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	19497.124	32.0	5.5	37.5	54.0	16.5	140.8	22.1

[802.11g/ 2462 MHz]



Final Result

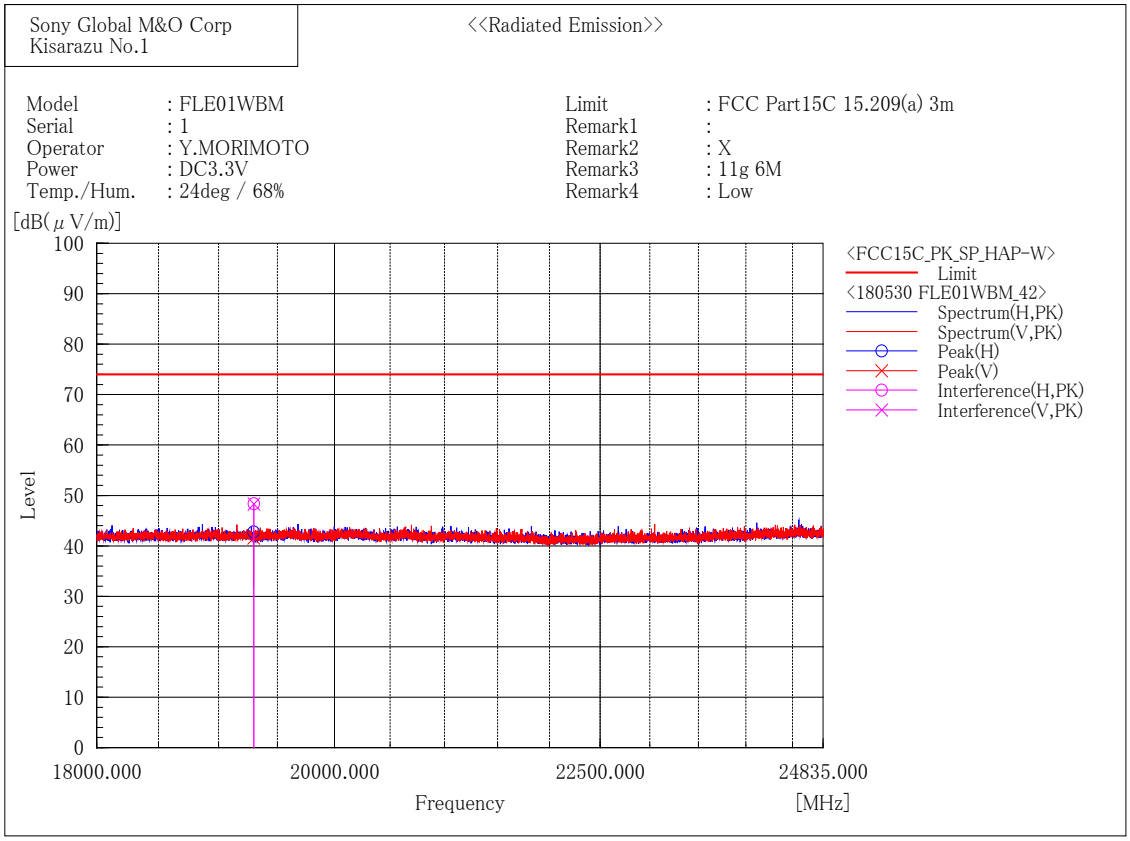
--- Horizontal Polarization (AV)---

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	19698.064	32.2	5.5	37.7	54.0	16.3	331.8	32.5

--- 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	19699.390	32.3	5.5	37.8	54.0	16.2	405.4	342.4

[802.11g/ 2412 MHz]



Final Result

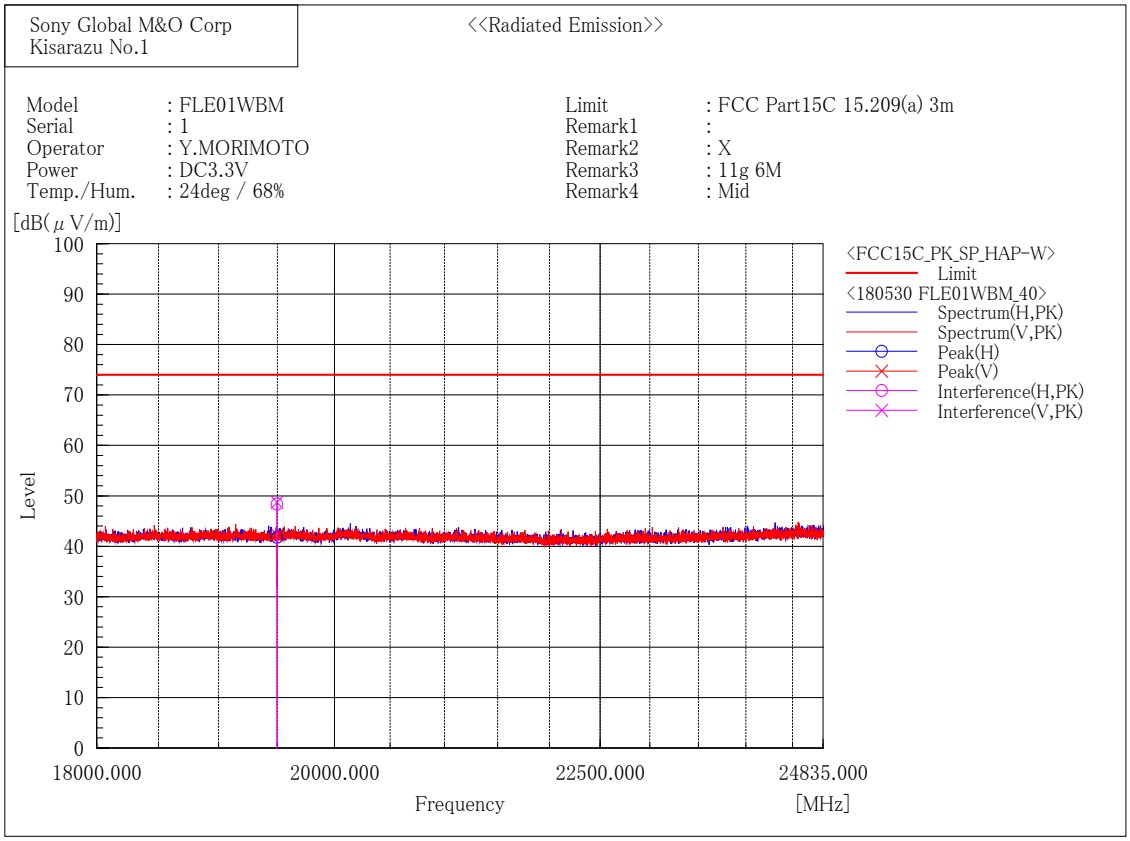
--- Horizontal Polarization (PK)---

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	19297.260	43.0	5.4	48.4	74.0	25.6	225.0	104.0

--- 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	19298.454	42.9	5.4	48.3	74.0	25.7	162.5	351.4

[802.11g/ 2437 MHz]



Final Result

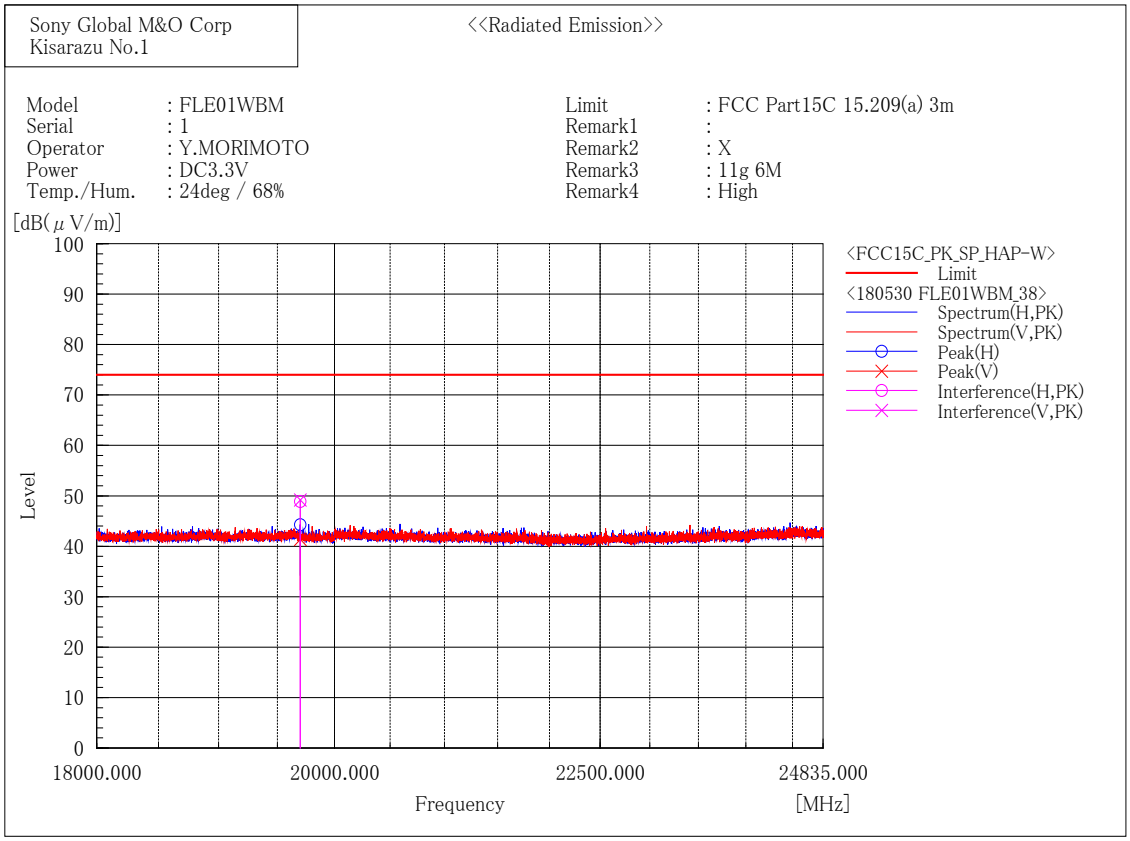
--- Horizontal Polarization (PK)---

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	19496.586	42.9	5.5	48.4	74.0	25.6	408.7	22.1

--- 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	19497.558	43.2	5.5	48.7	74.0	25.3	140.8	22.1

[802.11g/ 2462 MHz]



Final Result

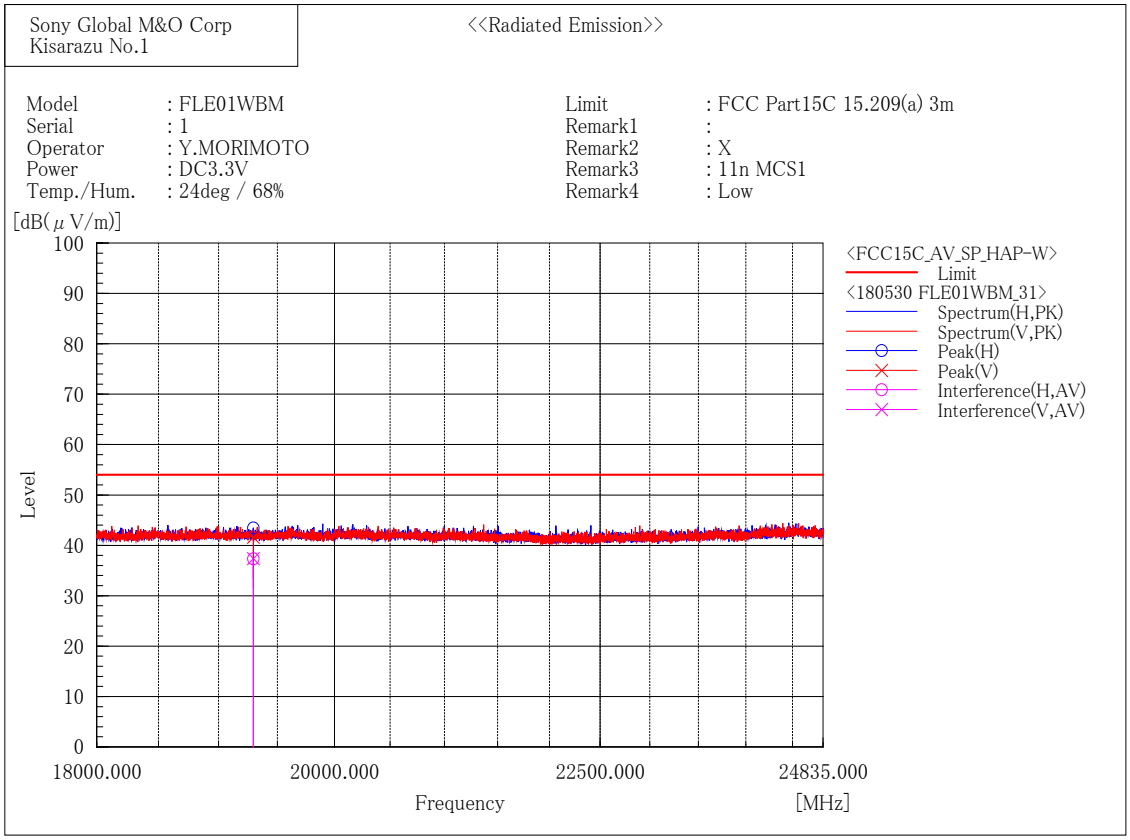
--- Horizontal Polarization (PK)---

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	19698.920	43.4	5.5	48.9	74.0	25.1	331.8	30.5

--- 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	19698.722	43.7	5.5	49.2	74.0	24.8	405.4	342.4

[802.11n (HT20)/ 2412 MHz]



Final Result

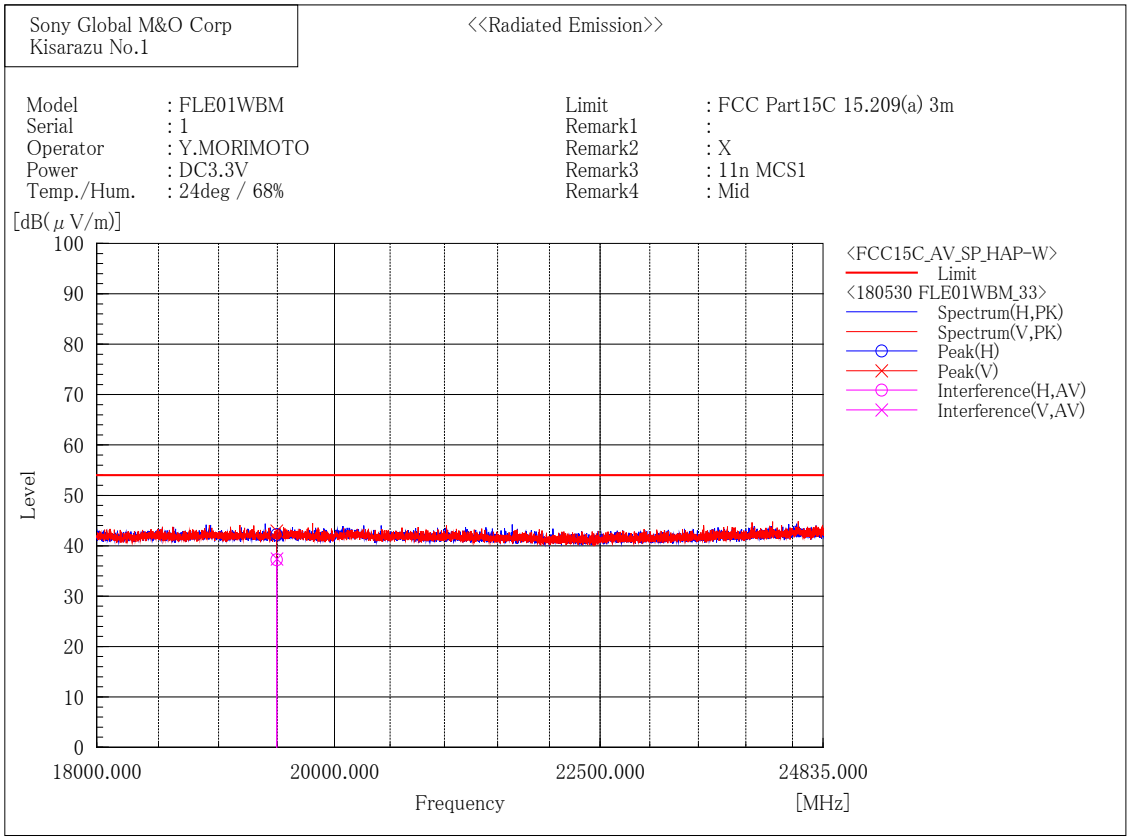
--- Horizontal Polarization (AV)---

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	19294.252	31.9	5.4	37.3	54.0	16.7	131.4	93.0

--- 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	19294.858	32.0	5.4	37.4	54.0	16.6	295.4	15.3

[802.11n (HT20)/ 2437 MHz]



Final Result

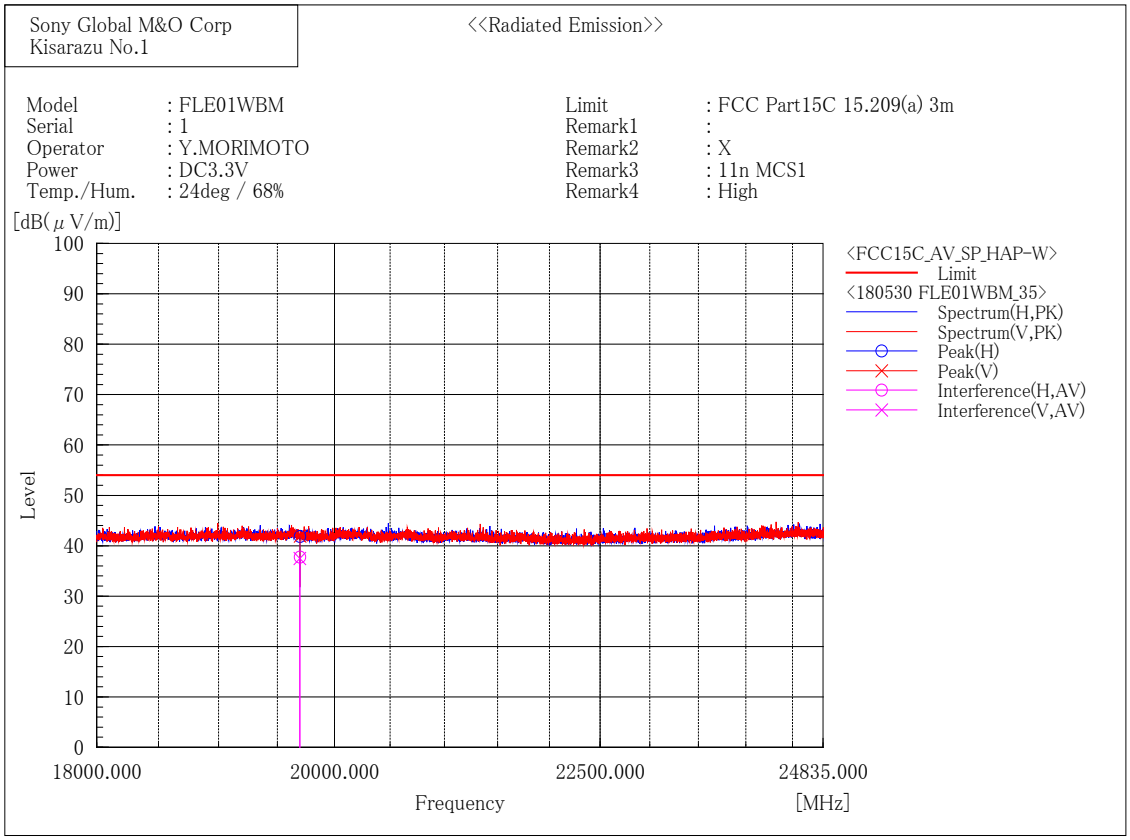
--- Horizontal Polarization (AV)---

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	19493.800	31.7	5.5	37.2	54.0	16.8	118.5	59.7

--- 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	19495.654	31.9	5.5	37.4	54.0	16.6	182.4	64.2

[802.11n (HT20)/ 2462 MHz]



Final Result

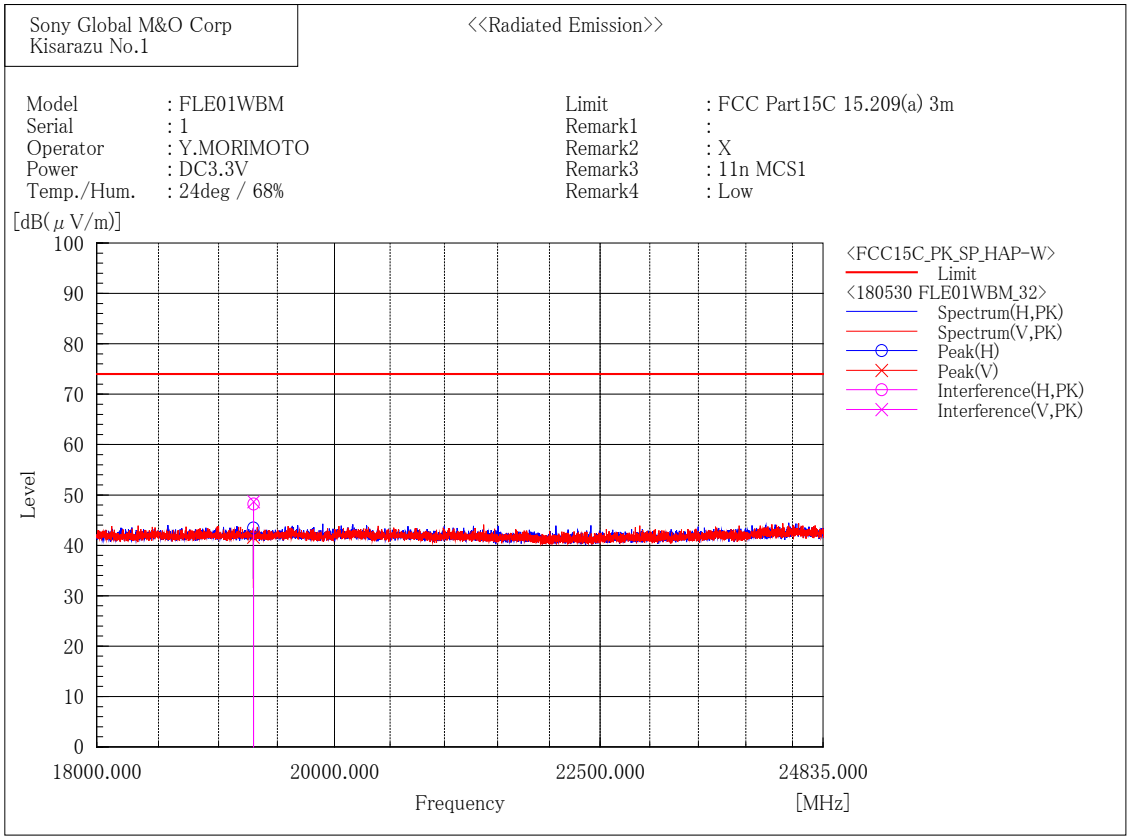
--- Horizontal Polarization (AV)---

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	19696.096	32.3	5.5	37.8	54.0	16.2	331.9	127.3

--- 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	19695.892	32.0	5.5	37.5	54.0	16.5	431.0	51.1

[802.11n (HT20)/ 2412 MHz]



Final Result

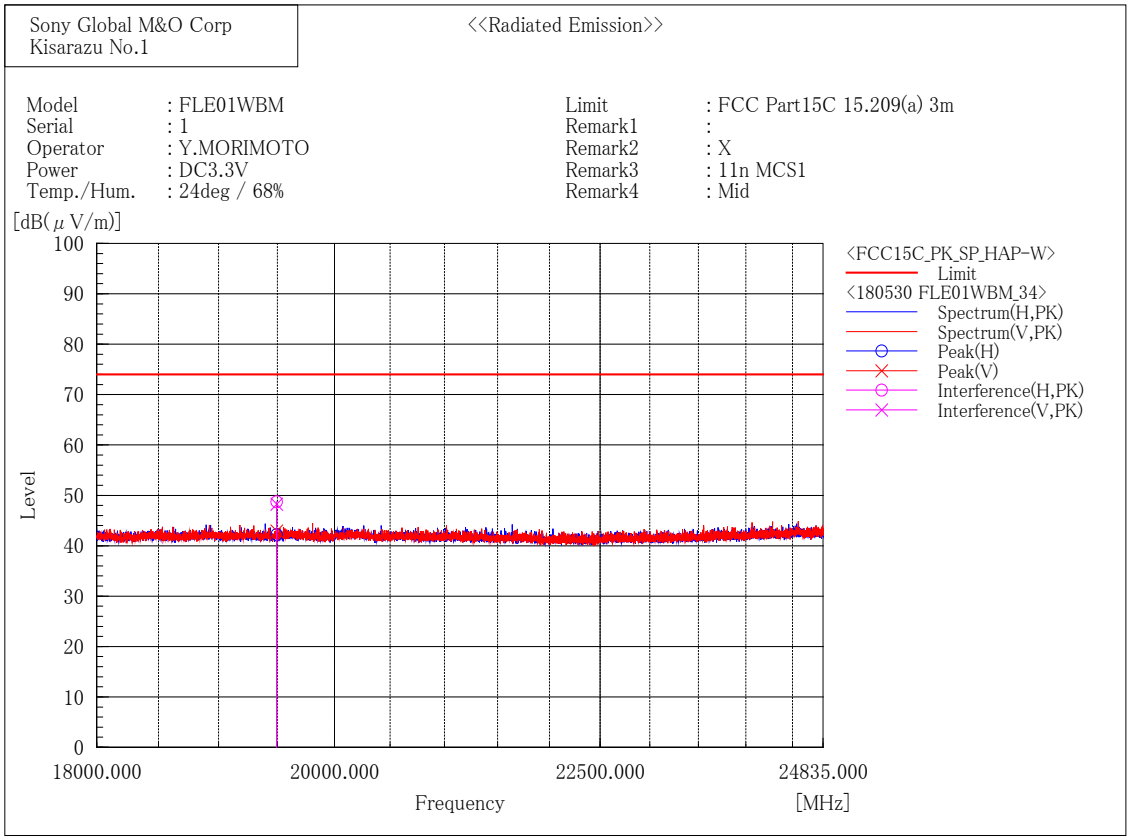
--- Horizontal Polarization (PK)---

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	19295.826	42.8	5.4	48.2	74.0	25.8	131.4	93.0

--- 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	19295.654	43.3	5.4	48.7	74.0	25.3	295.4	17.3

[802.11n (HT20)/ 2437 MHz]



Final Result

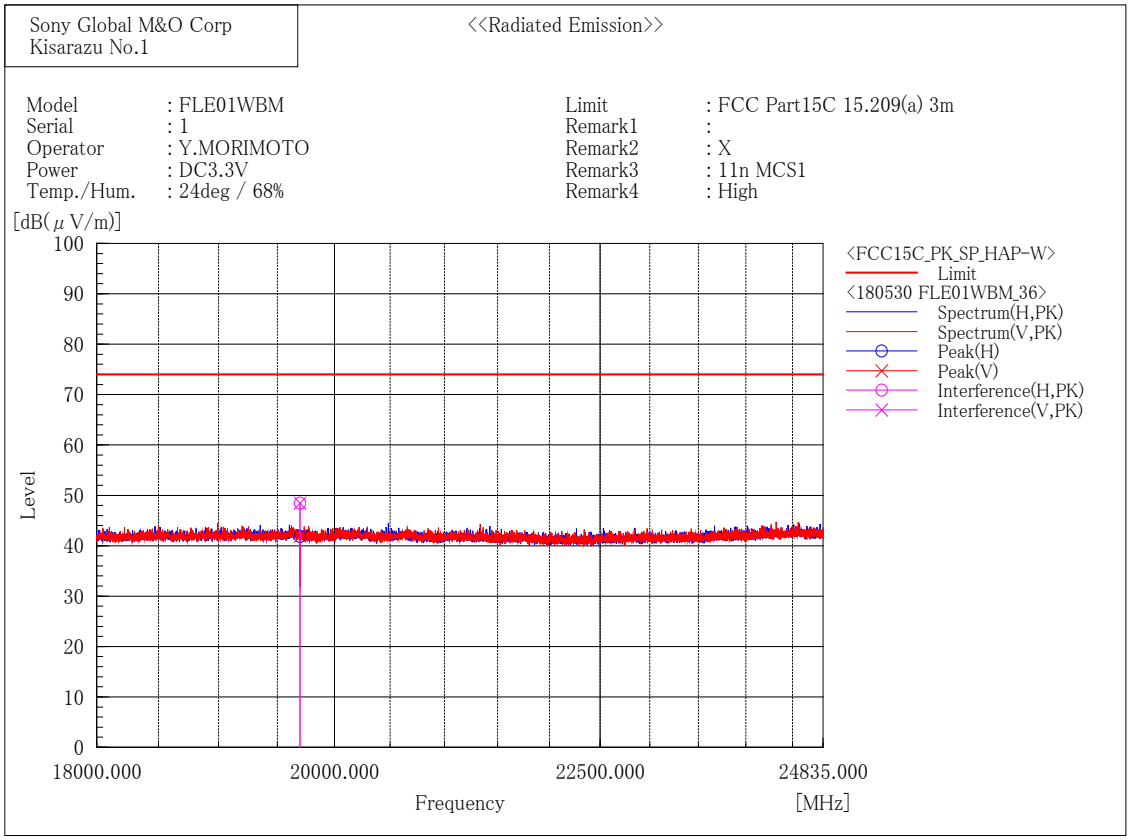
--- Horizontal Polarization (PK)---

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	19493.626	43.2	5.5	48.7	74.0	25.3	118.5	61.2

--- 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	19495.308	42.7	5.5	48.2	74.0	25.8	182.4	64.2

[802.11n (HT20)/ 2462 MHz]



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	19696.786	43.0	5.5	48.5	74.0	25.5	331.9	127.3

--- Vertical Polarization (PK)---

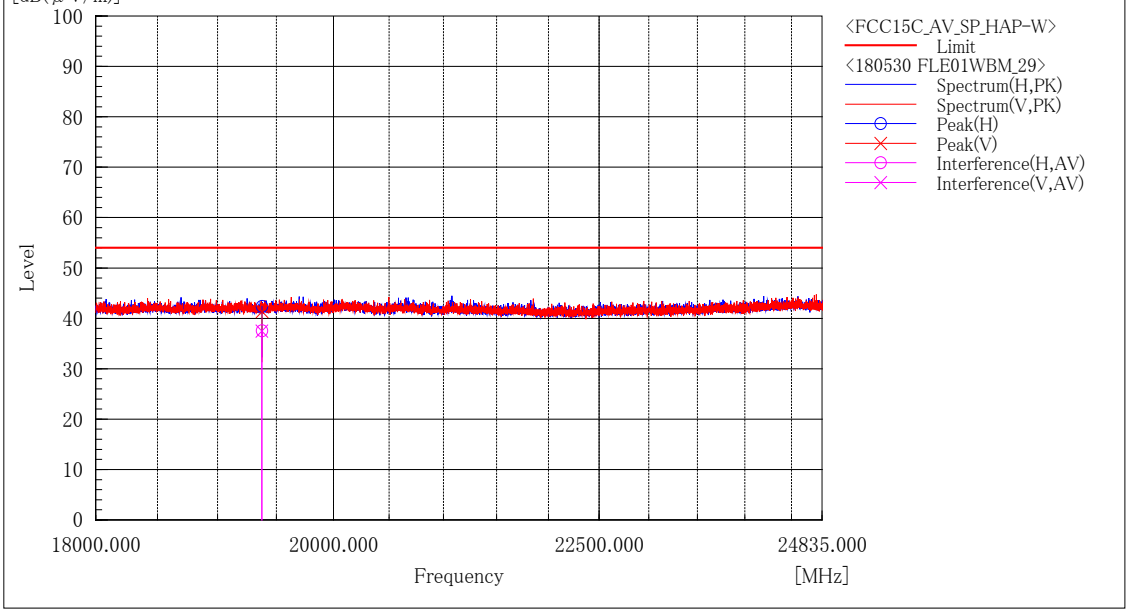
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19696.616	43.0	5.5	48.5	74.0	25.5	431.0	53.1

[802.11n (HT40)/ 2422 MHz]

Sony Global M&O Corp
Kisarazu No.1

<<Radiated Emission>>

Model	: FLE01WBM	Limit	: FCC Part15C 15.209(a) 3m
Serial	: 1	Remark1	:
Operator	: Y.MORIMOTO	Remark2	: X
Power	: DC3.3V	Remark3	: 11n MCS0
Temp./Hum.	: 24deg / 68%	Remark4	: Low



Final Result

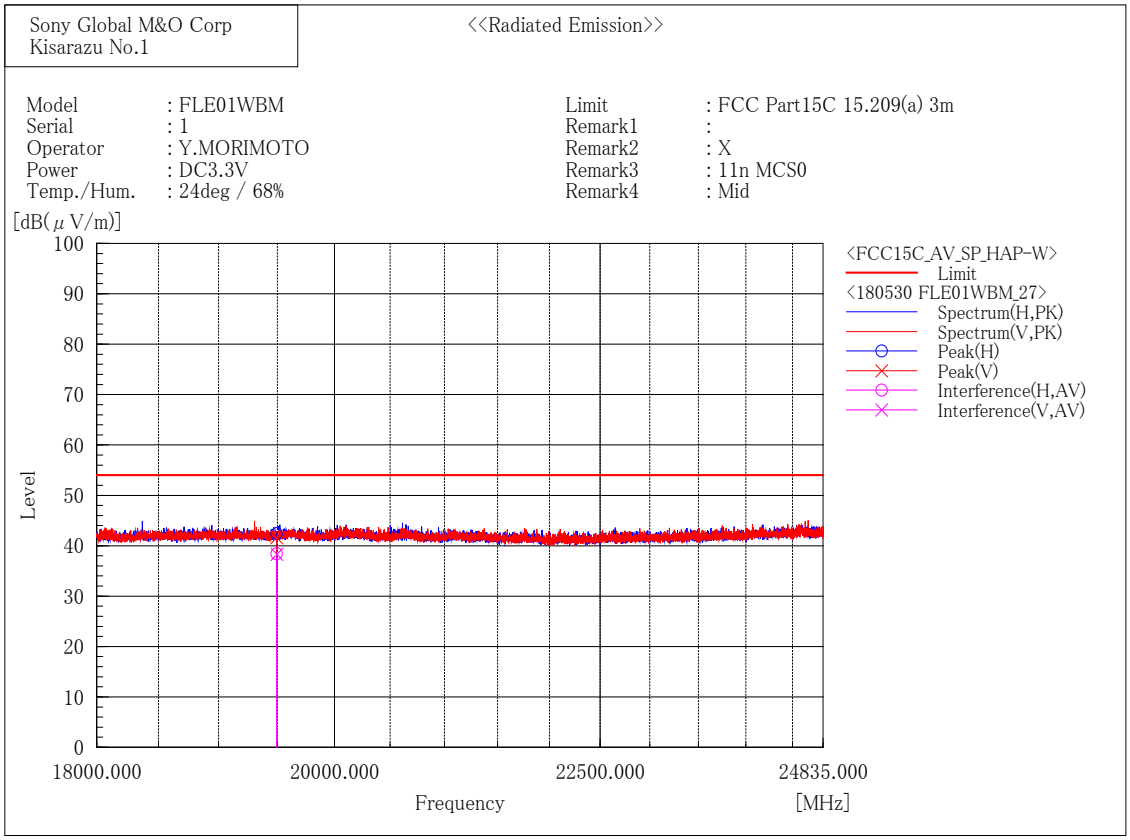
--- Horizontal Polarization (AV)---

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	19375.974	32.1	5.4	37.5	54.0	16.5	110.9	259.0

--- 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	19375.116	32.1	5.4	37.5	54.0	16.5	130.7	118.0

[802.11n (HT40)/ 2437 MHz]



Final Result

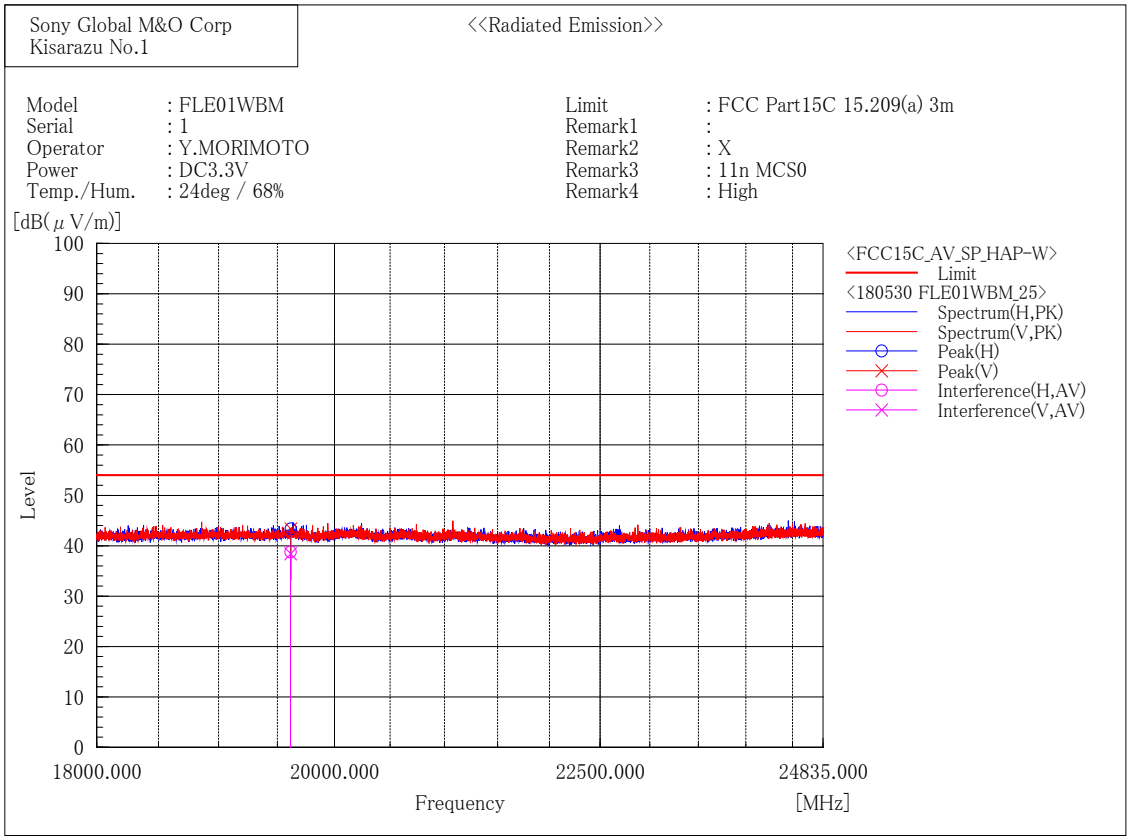
--- Horizontal Polarization (AV)---

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	19495.016	32.9	5.5	38.4	54.0	15.6	213.5	28.6

--- 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	19495.536	32.8	5.5	38.3	54.0	15.7	150.9	321.3

[802.11n (HT40)/ 2452 MHz]



Final Result

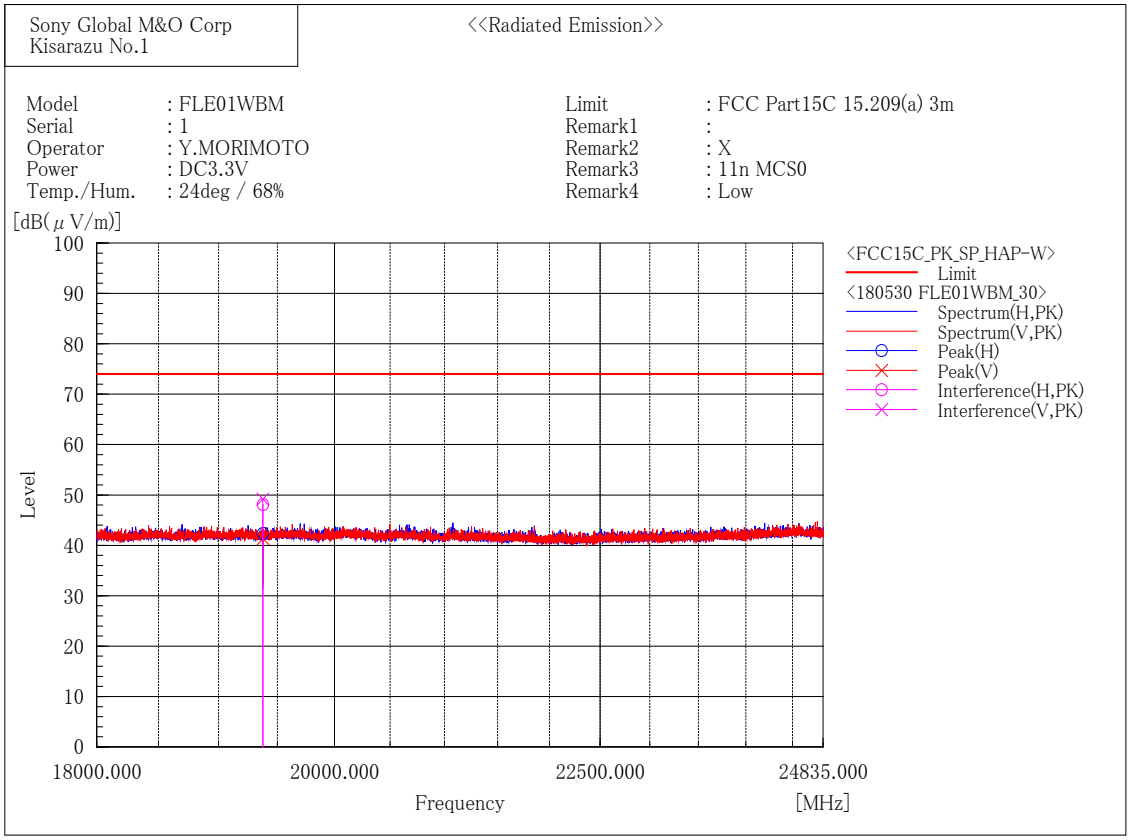
--- Horizontal Polarization (AV)---

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	19615.654	33.3	5.5	38.8	54.0	15.2	407.0	77.2

--- 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	19615.242	32.9	5.5	38.4	54.0	15.6	106.0	49.2

[802.11n (HT40)/ 2422 MHz]



Final Result

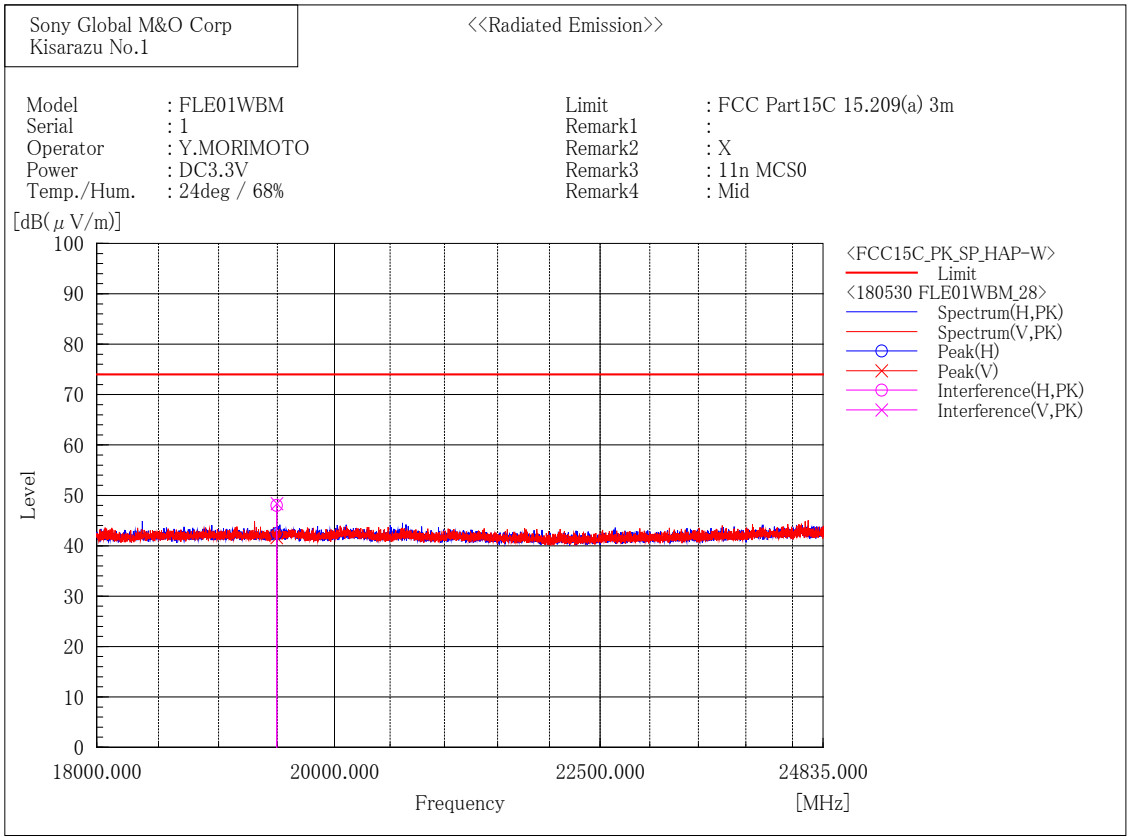
--- Horizontal Polarization (PK)---

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	19376.400	42.7	5.4	48.1	74.0	25.9	110.9	257.0

--- 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	19374.926	43.8	5.4	49.2	74.0	24.8	130.7	118.0

[802.11n (HT40)/ 2437 MHz]



Final Result

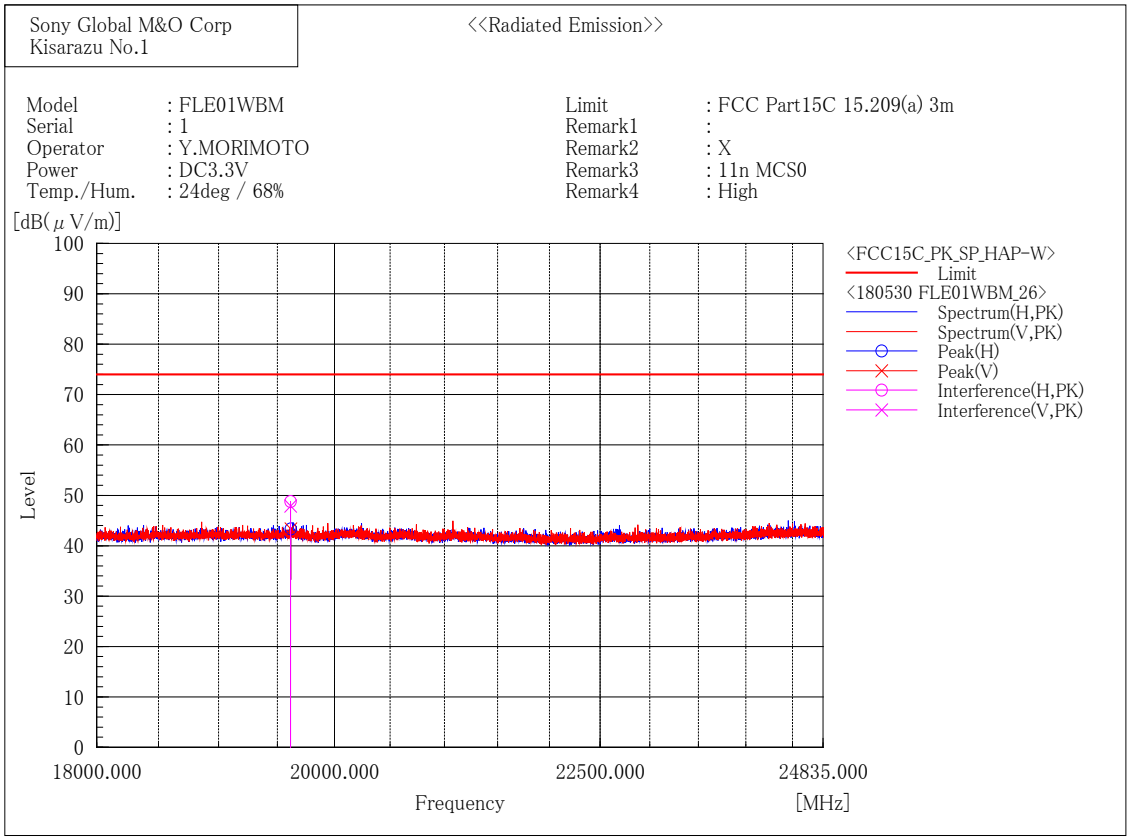
--- Horizontal Polarization (PK)---

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	19494.582	42.5	5.5	48.0	74.0	26.0	213.5	28.6

--- 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	19496.002	42.9	5.5	48.4	74.0	25.6	150.9	323.4

[802.11n (HT40)/ 2452 MHz]



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	19615.184	43.3	5.5	48.8	74.0	25.2	407.0	75.2

--- Vertical Polarization (PK)---

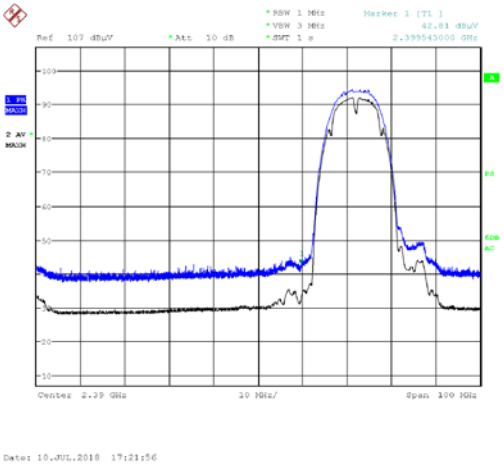
No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	19615.340	42.4	5.5	47.9	74.0	26.1	106.0	49.2

2.4 GHz Restricted-Band Edge (Plot data)

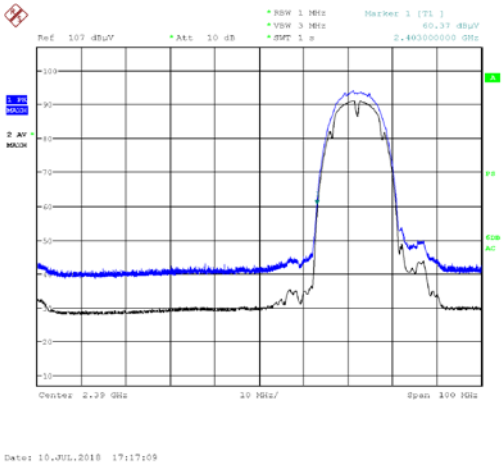
These plot data show peak (trace blue) and average (trace black) spectrum for worst case emissions in the restricted-band edges. (Restricted band edges: below 2390 MHz and above 2483.5 MHz)
The result of the final radiated emissions measurement refers in previous pages.

[802.11b/ 2412 MHz]

Horizontal

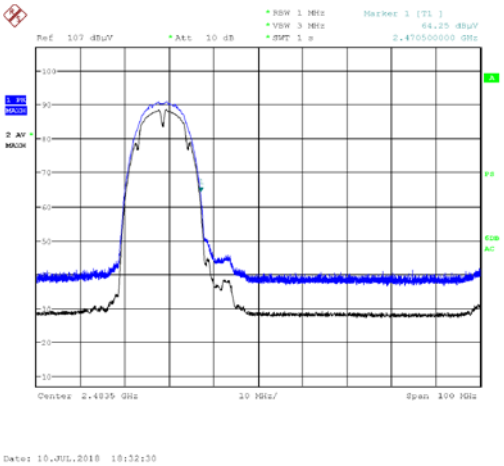


Vertical

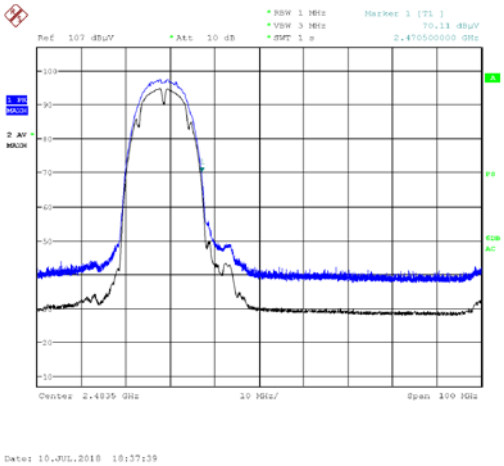


[802.11b/ 2462 MHz]

Horizontal

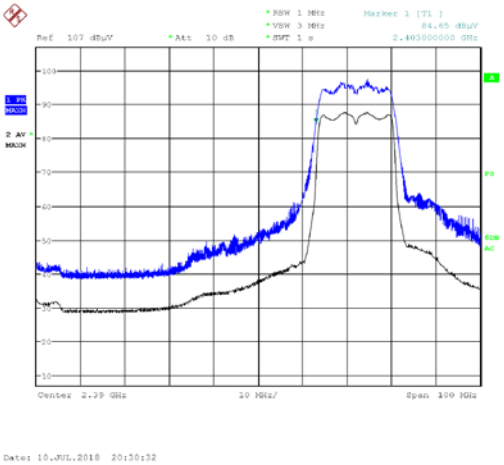


Vertical

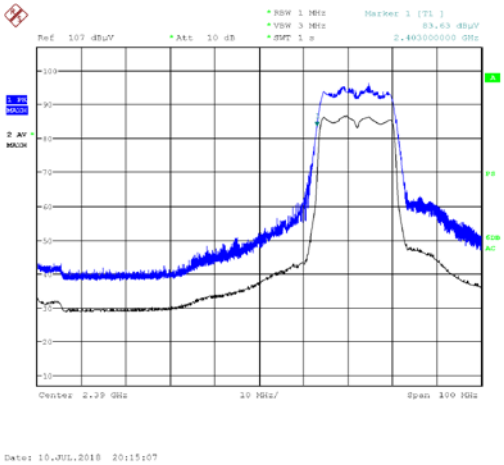


[802.11g/ 2412 MHz]

Horizontal

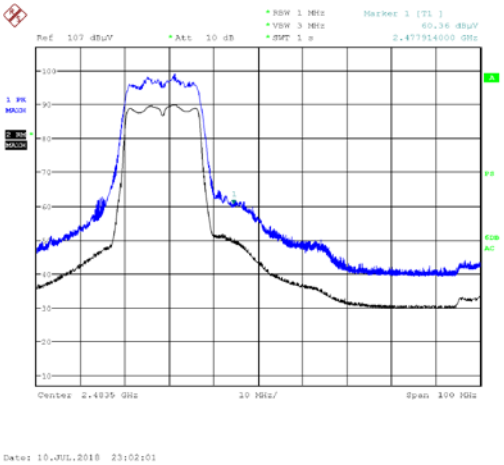


Vertical

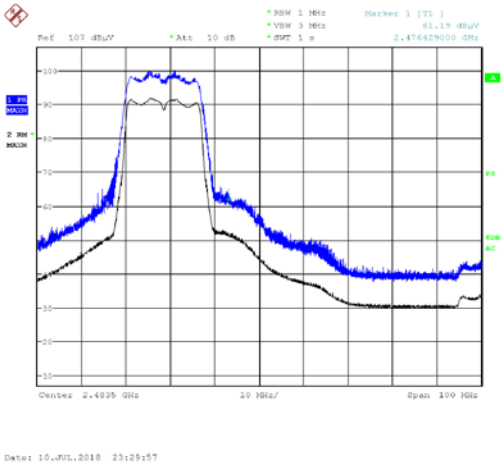


[802.11g/ 2462 MHz]

Horizontal

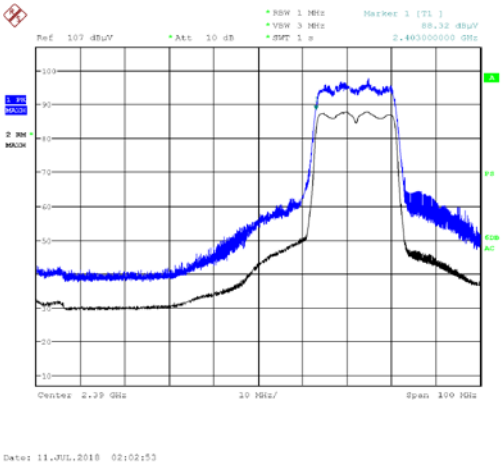


Vertical

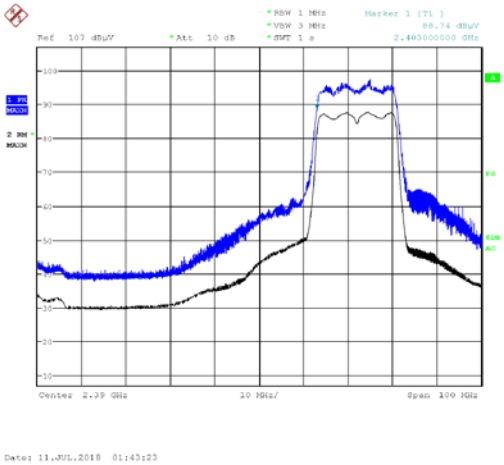


[802.11n (HT20)/ 2412 MHz]

Horizontal

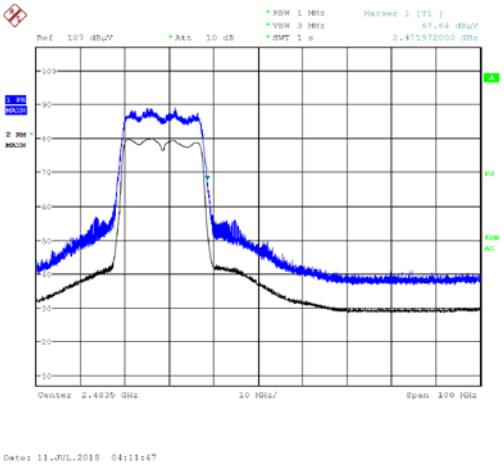


Vertical

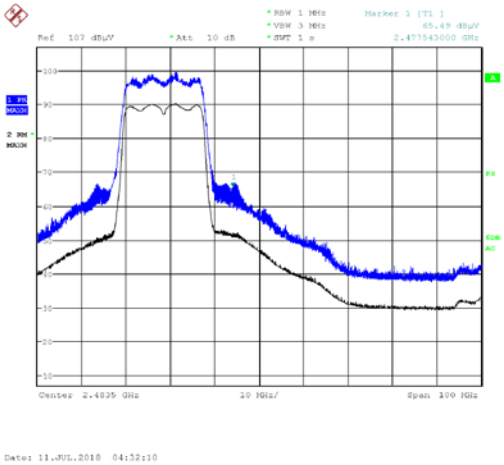


[802.11n (HT40)/ 2462 MHz]

Horizontal

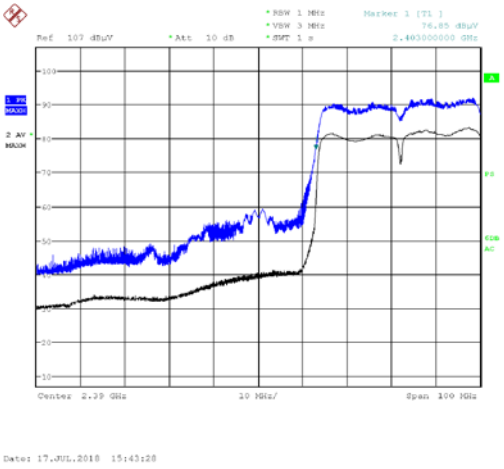


Vertical

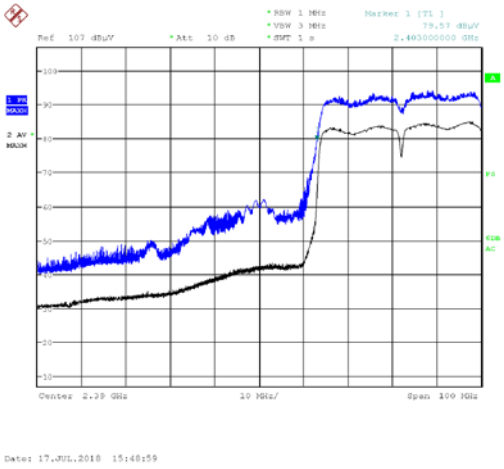


[802.11n (HT40)/ 2422 MHz]

Horizontal

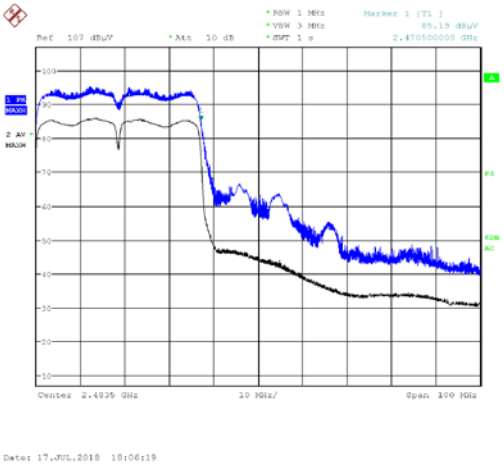


Vertical

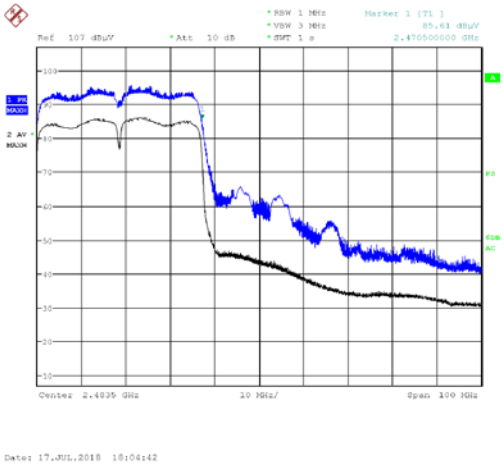


[802.11n (HT20)/ 2452 MHz]

Horizontal



Vertical

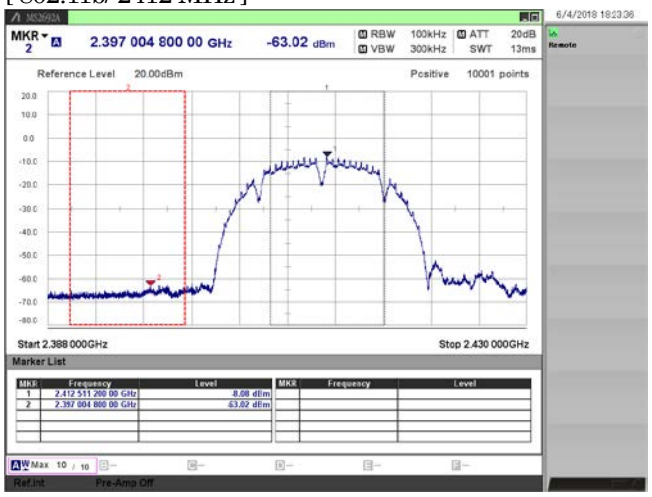


3.6. Conducted Spurious Emissions for Band Edge

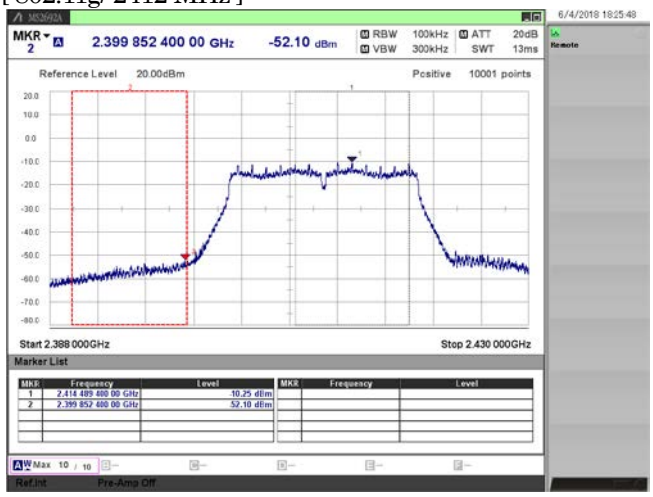
1) Ambient temperature : 23.5deg.C
2) Relative humidity : 49.0 %
3) Date of measurement : June 04, 2018
4) Measured by : M.KOUGA
5) Operating mode : Transmitting mode

Mode	Rate [Mbps]	Channel [MHz]	Frequency [MHz]	Reading(PK) [dBm]	C.F. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
11b	1	2412	2412.51	-8.08	11.21	3.13	-	-
			2397.00	-63.02	11.21	-51.81	-16.87	34.94
11g	6	2412	2414.49	-10.25	11.21	0.96	-	-
			2399.85	-52.10	11.21	-40.89	-19.04	21.85
11n (HT20)	MCS1	2412	2414.49	-10.39	11.21	0.82	-	-
			2397.63	-50.55	11.21	-39.34	-19.18	20.16
11n (HT40)	MCS0	2422	2427.00	-13.73	11.22	-2.51	-	-
			2399.98	-51.79	11.21	-40.58	-32.51	8.07

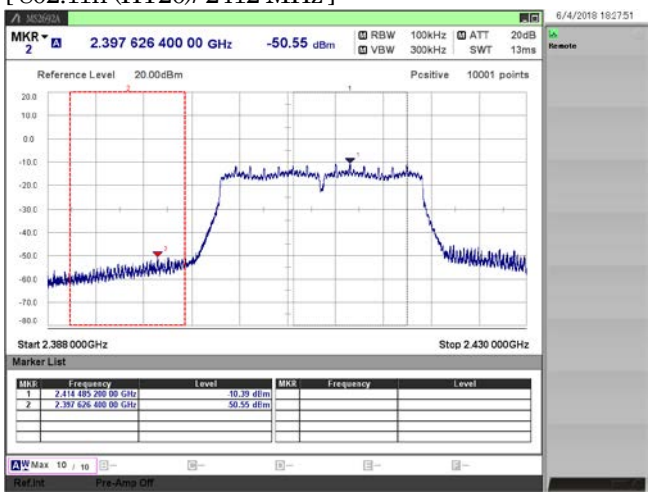
[802.11b/ 2412 MHz]



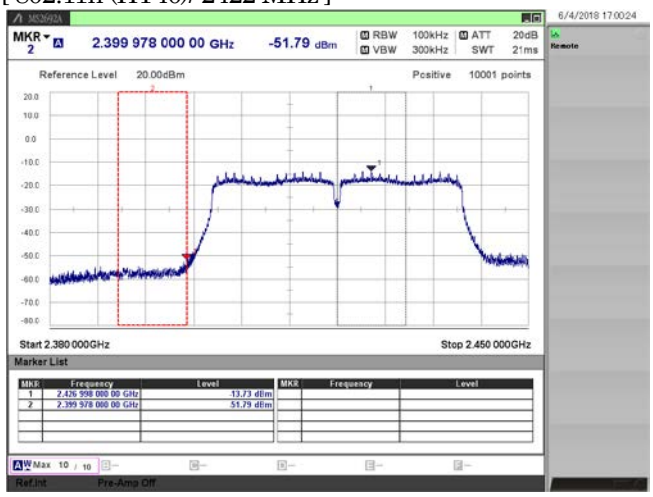
[802.11g/ 2412 MHz]



[802.11n (HT20)/ 2412 MHz]



[802.11n (HT40)/ 2422 MHz]



4. Method of Calculation

4.1. AC Power-line Conducted Emissions

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

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

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

4.2. Maximum Conducted Output Power

Method of calculation : Software
Software Name : SW-302
Software Version : Ver.3.0

Test Result (PK) [dBm] = Meter Reading [dBm] + C.F. [dB]
Test Result (AV) [dBm] = Meter Reading [dBm] + C.F. [dB] + Duty Factor [dB]

Note (a) Meter Reading : Reading of the power meter
(b) C.F. : System Cable Loss + EUT Cable Loss
(c) Duty Factor : 10log {(Tx ON Time + Tx OFF Time) / (Tx ON Time)}

4.3. Power Density

Method of calculation : Software
Software Name : SW-302
Software Version : Ver.3.0

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

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

4.4. Radiated Spurious Emission

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

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

Note (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

Method of calculation : Software
Software Name : SW-302
Software Version : Ver.3.0

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

Note (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

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Interval	Last Cal.
x	-	Shield Room	-	-	TDK	-	-
x	M0575	EMI Receiver	ESCI	100161	Rohde & Schwarz	12 months	18.04.18
x	CS0043	4th Site CE Cable SYSTEM	-	-	EMC/RF Test Lab.	12 months	18.06.01
x	M0664	6dB Attenuator	6806.01A	N/A	HUBER+SUHNER AG	12 months	18.06.01
x	M0619	HIGH FREQUENCY FUSE	MP612A	N/A	Anritsu	12 months	18.06.01
x	M0514	LISN	ENV216	100424	Rohde & Schwarz	12 months	18.04.17
x	M0505	LISN	ENV216	100425	Rohde & Schwarz	12 months	18.04.17
-	M2289	LISN	KNW-407	8-1182-12	Kyoritsu	12 months	18.04.23
-	M2290	LISN	KNW-242C	8-1183-1	Kyoritsu	12 months	18.04.23
x	M0153	50 ohm Terminator	CT-01	N/A	TME	12 months	17.12.04
-	M0597	50 ohm Terminator	CT-01	N/A	TME	12 months	17.12.04
-	M2292	50 ohm Terminator	T1302	N/A	Stack	12 months	18.04.23
-	M2293	50 ohm Terminator	T1302	N/A	Stack	12 months	18.04.23
x	M0690	Thermometer	AD-5640A	201304	AND	12 months	17.11.14

5.2. Antenna-port Conducted Measurements

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Interval	Last Cal.
x	-	Shield Room	B83117-B2432-T161	P26428	Albatross Project	-	-
x	W0100	Spectrum Analyzer	MS2692A	6201338954	Anritsu	12 months	18.04.24
x	W0006	Power Meter	N1911A	MY50000295	Keysight Technologies	12 months	17.10.10
x	W0007	Power Sensor	N1922A	MY50180022	Keysight Technologies	12 months	17.10.10
x	W0029	10dB Attenuator	8493C	76549	Keysight Technologies	12 months	17.08.01
x	WC0003	RF Cable	SUCOFLEX 102	34127/2	HUBER + SUHNER	12 months	17.08.03
x	WC0005	RF Cable	SUCOFLEX 102	34287	HUBER + SUHNER	12 months	17.08.03
x	M0720	Thermometer	TH-321	140036	AS ONE	12 months	17.06.09

5.3. Radiated Spurious Emissions

	Ctrl.#	Equipment	Model No.	Serial No.	Manufacturer	Cal.Int.	Last Cal.
x	M0115	Semi-Anechoic Chamber	-	7D1-8A11	Otsuka Science	12	18.06.02
x	M0686	EMI Receiver	N9038A	MY52260113	Keysight Technologies	12	17.11.20
x	M0959	EMI Receiver	ESU40	100041	Rohde & Schwarz	12	18.01.30
x	A0073	Loop Antenna	HFH2-Z2	100171	Rohde & Schwarz	12	17.11.01
x	A0089	Biconical Antenna	BBA9106	VHA91032835	Schwarzbeck	12	17.12.15
x	A0088	Log periodic Antenna	UHALP9108A1	0649	Schwarzbeck	12	17.12.15
x	A0064	Horn Antenna	BBHA9120D	746	Schwarzbeck	12	17.11.18
x	A0078	Horn Antenna	HAP06-18W	00000070	TOYO Corporation	12	17.11.18
x	A0058	Horn Antenna	HAP18-26W	00000016	TOYO Corporation	12	17.12.01
x	CS0017	N-RE Cable SYSTEM 1	-	-	EMC/RF Test Lab.	12	17.11.17
x	CS0018	N-RE Cable SYSTEM 2	-	-	EMC/RF Test Lab.	12	17.11.17
x	CS0045	N-3m EMF Cable SYSTEM	-	-	EMC/RF Test Lab.	12	17.11.17
x	CS0074/0075	N-RE Cable SYSTEM 4	-	-	EMC/RF Test Lab.	12	17.11.17
x	M0126	Step Attenuator	8494H	3837M01144	Keysight Technologies	12	18.06.02
x	M0752	Pre Amplifier	310N	320621	SONOMA INSTRUMENT	12	17.11.17
x	M0128	3dB Attenuator	8491A	53541	Keysight Technologies	12	17.11.17
x	M0609	3dB Attenuator	8491B	MY39265960	Keysight Technologies	12	17.11.17
x	M0737	GHz Filter Box	FB-G1	001	Sony Global M&O	12	17.11.17
x	M0687	Thermo Meter	AD-5640A	201301	A&D	12	17.10.06
x	RM5001	EMI Receiver	ESU26	100354	Rohde & Schwarz	12	18.01.30

About calibration interval

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