

RADIO TEST REPORT

(for 5 GHz WLAN)

Project No. : JB-Z0493-A
Client : Sony Corporation
Client's Address : 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
Product Name : Wireless Transceiver Module
Model No. : BNSY25
FCC ID : AK8BNSY25
Test Standard : 47 CFR Part 15 Subpart E
Sample Receipt Date : October 16, 2018
Test Date : January 15, 2019 to February 1, 2019
Report Date : February 5, 2019
Amend Report Date : February 15, 2019

Test Result : Complied

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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.

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Format No.: NV1-1-01 Version 5.0

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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-Z0493 (Original)	February 5, 2019	-	-
JB-Z0493-A	February 15, 2019	Change model name to module name.	P1,3

1. General Information

1.1. Description of Equipment Under Test (EUT)

General Specification

Test Sample Condition : ☐ Prototype ☒ Pre-production ☐ Mass-production
 Product Name : Wireless Transceiver Module
 Trade Name : SONY
 Model No. : BNSY25
 Serial No. : 0001048
 Power Rating of the EUT : DC 3.3 V, DC 2.8 V, DC 1.8 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

Operating Frequency :

IEEE Standard	Operating Frequency Band [MHz]			
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
802.11a	5180 to 5240	5260 to 5320	5500 to 5700	5745 to 5825
802.11n(HT20)				
802.11n(HT40)	5190 to 5230	5270 to 5310	5510 to 5670	5755 to 5795

Modulation Type : OFDM

Antenna Type : Pattern antenna

Antenna Connector Type : None

Antenna Gain : + 2.15 dBi

1.2. Summary of Test Result

Test Item	Worst Margin	Results	Note
AC Power-line Conducted Emissions	28.3 dB (AV) 0.563 MHz N	Complied	-
26dB Emission Bandwidth	-	N/A	*1
6dB Emission Bandwidth	-	N/A	*1
Maximum Conducted Output Power	-	N/A	*1
Maximum Power Spectral Density	-	N/A	*1
Unwanted Emissions	3.3 dB (AV) 5350.000 MHz Vertical	Complied	-
Dynamic Frequency Selection	-	-	*2

Note

*1: This item is referred to BNSY25 Radio Test Report (issued by UL Japan Inc.).

*2: For DFS test results, referred to JB-Z0494 issued by Sony Global Manufacturing & Operations Corporation.

Other requirements

Part 15.31(e) Supply voltage requirement

: Complied (The EUT is provided with stable DC Voltage from the host device)

Part 15.203 / 212 Antenna requirement

: Complied (Users cannot replace the external antenna, since it is mounted to the inside of the host device.)

1.3. Tested Methodology

Test Standard : 47 CFR Part15 Subpart E
 Test Method : ANSI C63.10 - 2013
 KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test Condition

AC Power-line Conducted Emissions

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

Unwanted Emissions

Test Distance : ☒ 3 m ☐ 10m (9 kHz to 30 MHz)
☒ 3 m ☐ 10m (30 MHz to 1000 MHz)
☒ 3 m (1 GHz to 40 GHz)

Dimensions of the EUT table : 0.8 m (below 1 GHz) or 1.5 m (above 1 GHz) height, 2 m width and 1 m depth.

1.4. Measurement Procedures

We performed the measurements in accordance with NV3-10, 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. (150 kHz to 30 MHz, 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)

Unwanted Emissions

- The non-conductive table (EUT table) made of (☐ FRP, ☒ Styrene Foam, ☐ other non-conductive material) was placed in the center of the turntable.
- The EUT was placed on the center of the tabletop.
- The test antenna was placed away from the EUT at test distance.
- The limits were compensated the distance factor with follows:
 $9\text{ kHz to }490\text{ kHz [Limit at 3 m]} = [\text{Limit at 300 m}] + 40\log(300[\text{m}] / 3[\text{m}])$
 $490\text{ kHz to }30\text{ MHz [Limit at 3 m]} = [\text{Limit at 30 m}] + 40\log(30[\text{m}] / 3[\text{m}])$
- 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 to 40 GHz, peak detector)
- 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 40 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

*: When the measurement frequencies above 1 GHz, 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 40 GHz
Detector	Peak / Average	Quasi-peak	Quasi-peak	Peak / Average
RBW	200 Hz (6 dB) or 9 kHz (6 dB) *1	200 Hz (6 dB) or 9 kHz (6 dB) *1	120 kHz (6 dB)	1 MHz (6 dB)
VBW	N/A	N/A	N/A	3 MHz (for peak) 10 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)

- 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 40 GHz
Detector	Peak	Peak	Peak
RBW	300 Hz (6 dB) *	10 kHz (6 dB) *	100 kHz (6 dB)
Instrument	Spectrum analyzer	Spectrum analyzer	Spectrum analyzer

*: Correction factor of RBW was compensated to a measurement result by the following formula.

$$\text{C.F. of RBW [dB]} = 10 \cdot \log(100\text{ kHz} / \text{used RBW})$$

8. If the final average measurement result exceeded the limit in the authorized band edge, the integration method is carried out with follows;

	Unwanted emissions within 2 MHz of the band edge
Detector	Peak
RBW	100 kHz (6 dB)
Instrument	Spectrum analyzer
Function	Channel Power (integration BW : 1 MHz)

9. 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 : 8-4 Shiomi Kisarazu-shi Chiba-ken, 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

Unwanted Emissions

Semi-Anechoic chamber

☒ 4th Site ☐ EMC Site

1.6. Uncertainty

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

Test Item	Frequency	Distance	4th Site	EMC Site
AC Power-line Conducted Emissions	150 kHz to 30 MHz	-	± 3.34 dB	± 3.35 dB
Radiated Emissions	9 kHz to 30 MHz	3m	± 2.60 dB	± 3.13 dB
	30 MHz to 1000 MHz	3m	± 4.96 dB	± 5.26 dB
	1 GHz to 18 GHz	3m	± 5.22 dB	± 5.50 dB
	18 GHz to 26.5 GHz	3m	± 5.36 dB	± 5.63 dB
	26.5 GHz to 40 GHz	3m	± 6.07 dB	± 6.31 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 [MHz]				Worst Data Rate
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
AC Power-line Conducted Emissions	5180	-	-	-	802.11a : 18 Mbps
Unwanted Emissions *1 (Below 1 GHz)	5180	-	-	-	802.11a : 18 Mbps
Unwanted Emissions (Above 1 GHz)	5180	5260 5320	5500 5600 5700	5745 5785 5825	802.11a : 18 Mbps 802.11n(HT20) : MCS2
	5190	5270 5310	5510 5590 5670	5755 5795	802.11n(HT40) : MCS2

Note

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

The Software for Operating Mode (Control Software of Personal Computer)

Software Name : MT6625 RF Test
Software Version : 0.5

2.3. Special Accessories

Special accessories needed for connecting the EUT to achieve compliance:

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

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

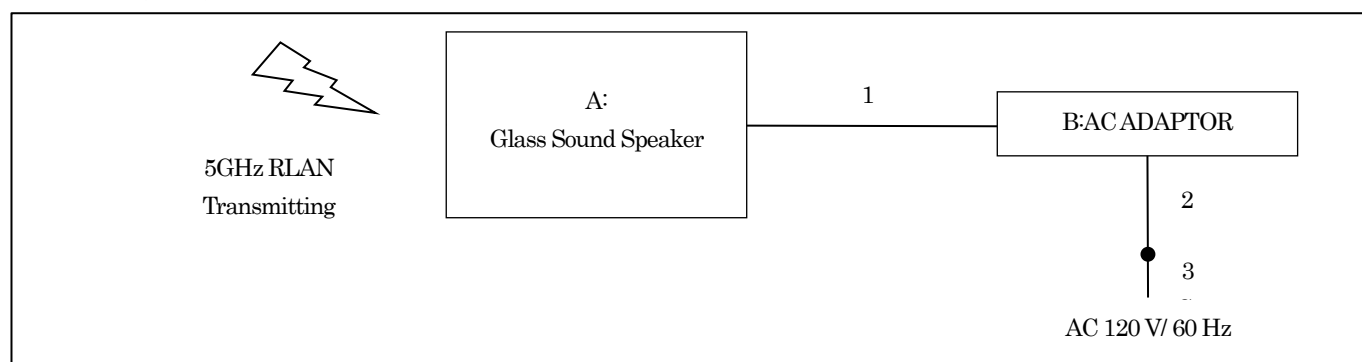
[EUT and Associated Equipment (AE)]

Symbol	EUT/ AE	Item	Manufacturer	Model No.	Serial No.
A	EUT	Glass Sound Speaker	SONY	LSPX-S2	0001048
B	AE	AC ADAPTOR	SONY	AC-UUE12	17115KD1004705

[Type of Cable]

Symbol	Description	Identification (Manufacturer etc.)	Shielded Yes / No	Ferrite Core	Length (m)	Bundled
1	USB Cable	iTak	Yes	No	1.0	-
2	AC Cable	I-Shen	No	No	0.5	-
3	Extension Cable	SANWA	No	No	0.3	-

[Connecting Diagram]



Unwanted Emissions

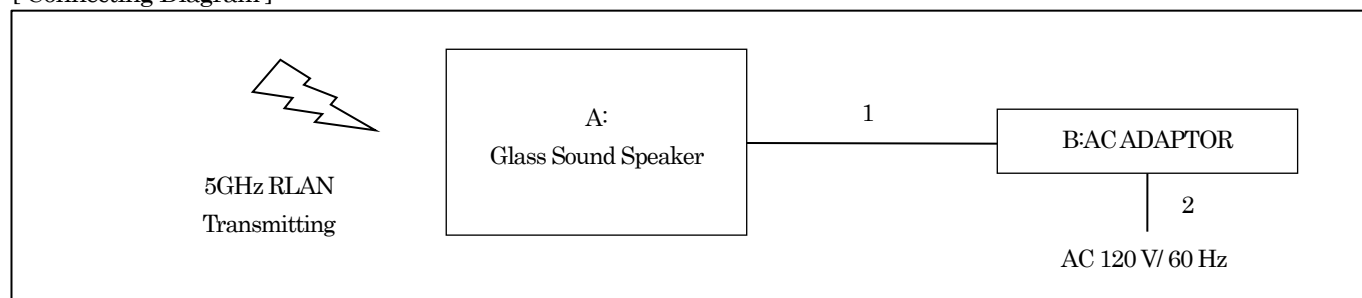
[EUT and Associated Equipment (AE)]

Symbol	EUT/ AE	Item	Manufacturer	Model No.	Serial No.
A	EUT	Glass Sound Speaker	SONY	LSPX-S2	0001048
B	AE	AC ADAPTOR	SONY	AC-UUE12	17115KD1004705

[Type of Cable]

Symbol	Description	Identification (Manufacturer etc.)	Shielded Yes / No	Ferrite Core	Length (m)	Bundled
1	USB Cable	ELECOM	Yes	No	2.0	-
2	AC Cable	-	No	No	0.5	-

[Connecting Diagram]



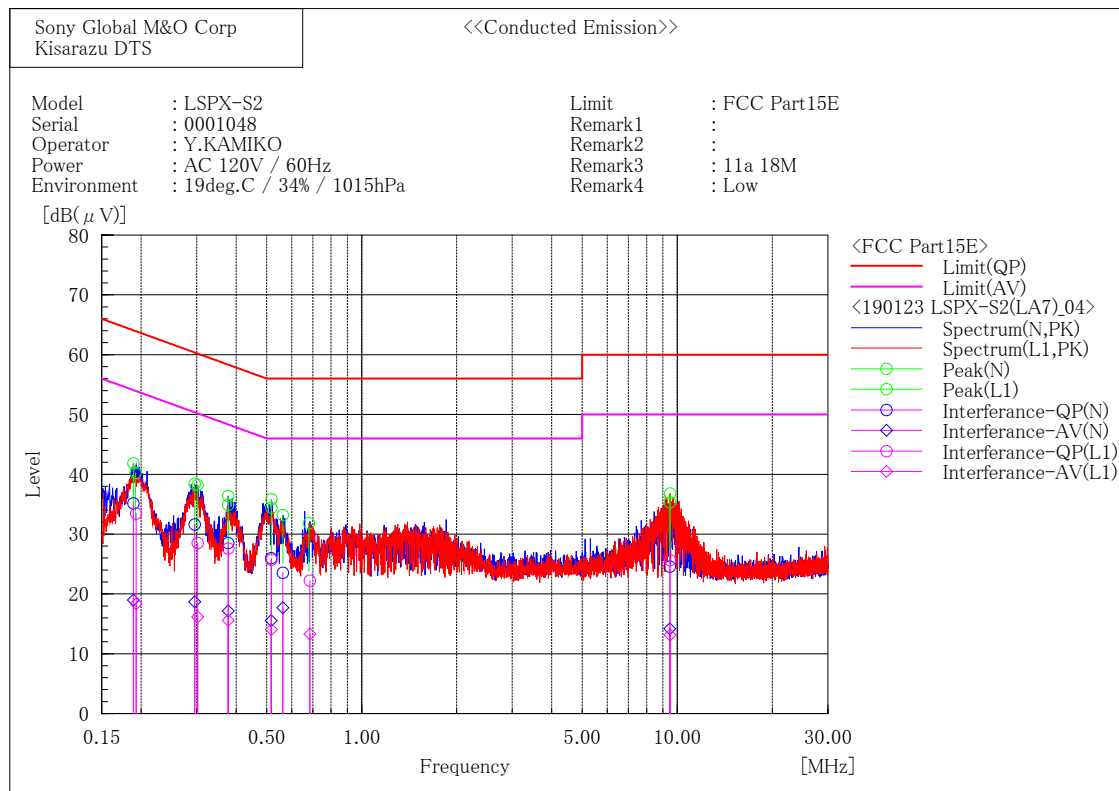
3. Test Data

3.1. AC Power-line Conducted Emissions

1) Date of measurement : January 23, 2019

The test data is mentioned as follows.

[802.11a/ 5180 MHz]



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	0.189	18.7	2.6	16.4	35.1	19.0	64.1	54.1	29.0	35.1
2	0.296	15.5	2.6	16.1	31.6	18.7	60.4	50.4	28.8	31.7
3	0.378	12.2	0.9	16.3	28.5	17.2	58.3	48.3	29.8	31.1
4	0.517	9.7	-0.8	16.3	26.0	15.5	56.0	46.0	30.0	30.5
5	0.563	7.2	1.4	16.3	23.5	17.7	56.0	46.0	32.5	28.3
6	9.471	8.3	-2.1	16.3	24.6	14.2	60.0	50.0	35.4	35.8

--- 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	0.193	17.1	2.0	16.3	33.4	18.3	63.9	53.9	30.5	35.6
2	0.303	12.4	0.1	16.1	28.5	16.2	60.2	50.2	31.7	34.0
3	0.378	11.3	-0.7	16.3	27.6	15.6	58.3	48.3	30.7	32.7
4	0.518	9.4	-2.3	16.3	25.7	14.0	56.0	46.0	30.3	32.0
5	0.685	5.9	-3.0	16.3	22.2	13.3	56.0	46.0	33.8	32.7
6	9.489	9.3	-3.2	16.3	25.6	13.1	60.0	50.0	34.4	36.9

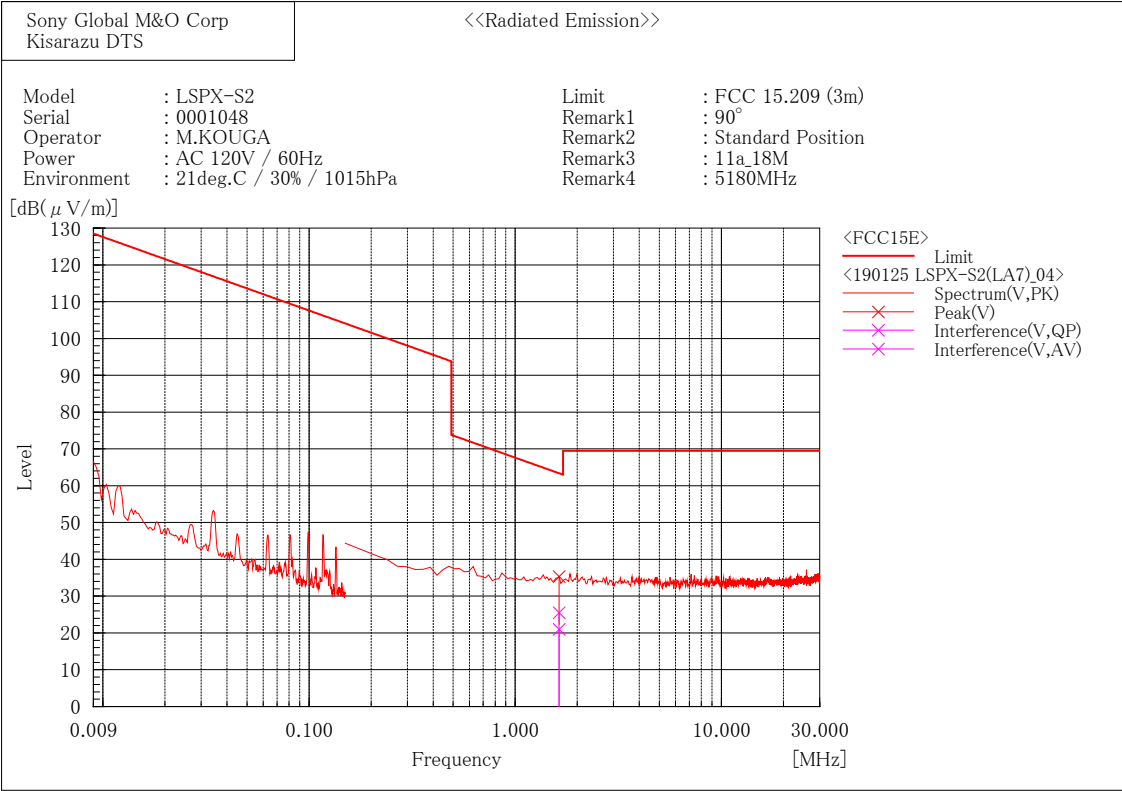
3.2. Unwanted Emissions

1) Date of measurement

9 kHz to 30 MHz	: January 25, 2019
30 MHz to 1000 MHz	: January 25, 2019
1 GHz to 7 GHz	: January 15, 2019 to January 16, 2019
7 GHz to 18 GHz	: January 19, 2019 to January 21, 2019
18 GHz to 26.5 GHz	: January 22, 2019 to February 1, 2019
26.5 GHz to 40 GHz	: January 25, 2019 to January 28, 2019

The test data is mentioned as follows.

9 kHz to 30 MHz
[802.11a/ 5180 MHz]



Final Result

--- Vertical Polarization (QP)---

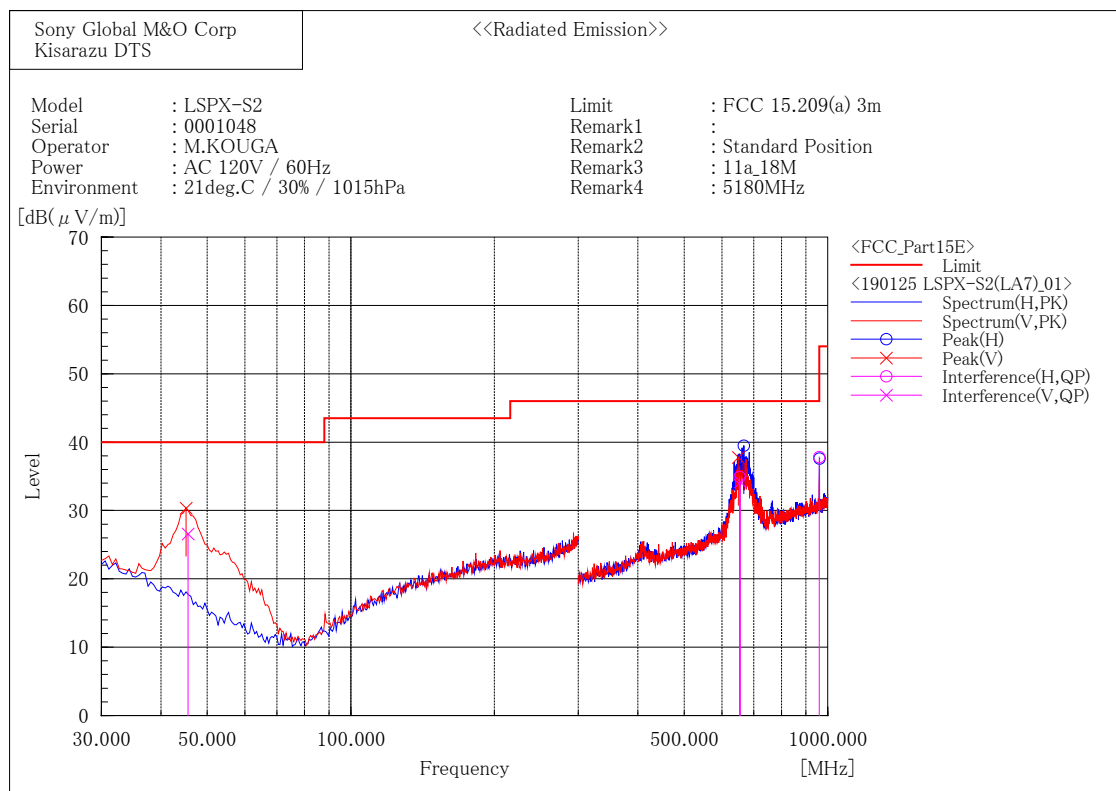
No.	Frequency [MHz]	Reading [dB(μV)]	c. f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	1.632	5.6	19.9	25.5	63.4	37.9	100.0	171.8

--- 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	1.632	1.1	19.9	21.0	63.4	42.4	100.0	171.8

30 MHz to 1000 MHz

[802.11a/ 5180 MHz]



Final Result

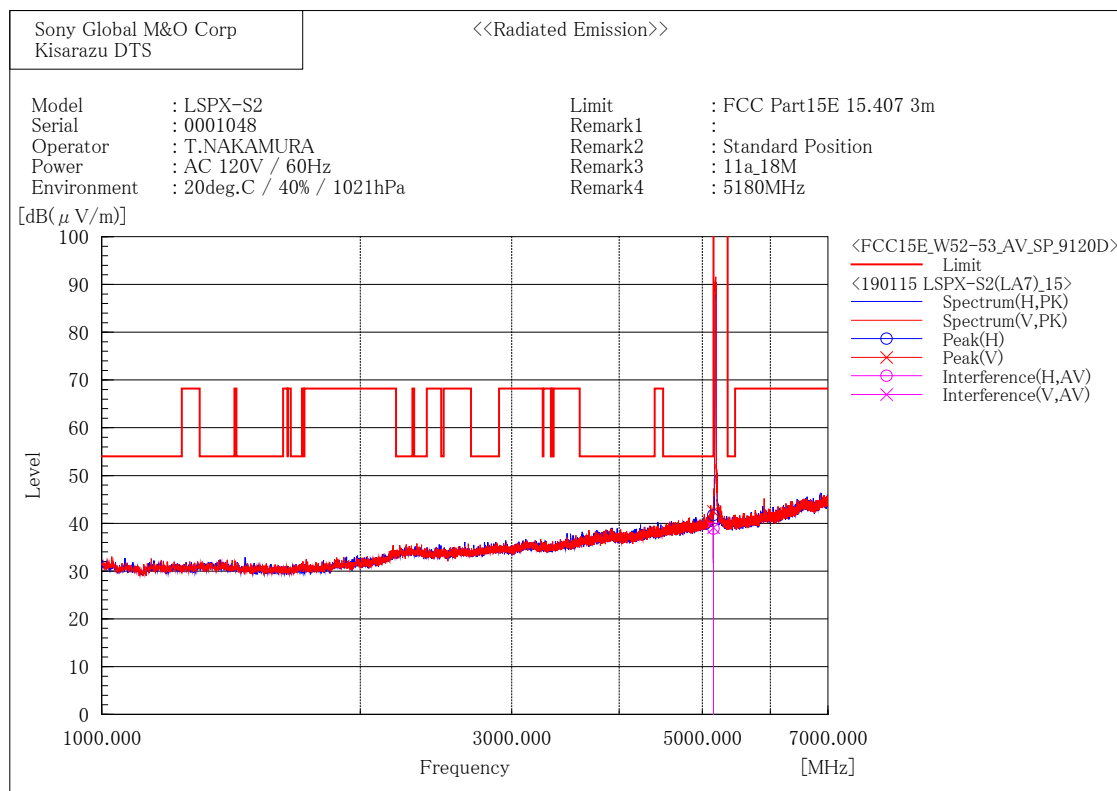
--- Horizontal Polarization (QP)---

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	653.832	40.5	-5.6	34.9	46.0	11.1	132.0	237.8
2	960.000	38.7	-0.9	37.8	46.0	8.2	153.0	117.8

--- 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	45.560	42.2	-15.6	26.6	40.0	13.4	100.0	172.8
2	656.100	39.7	-5.5	34.2	46.0	11.8	100.0	78.8

1 GHz to 7 GHz
[802.11a/ 5180 MHz]



Final Result

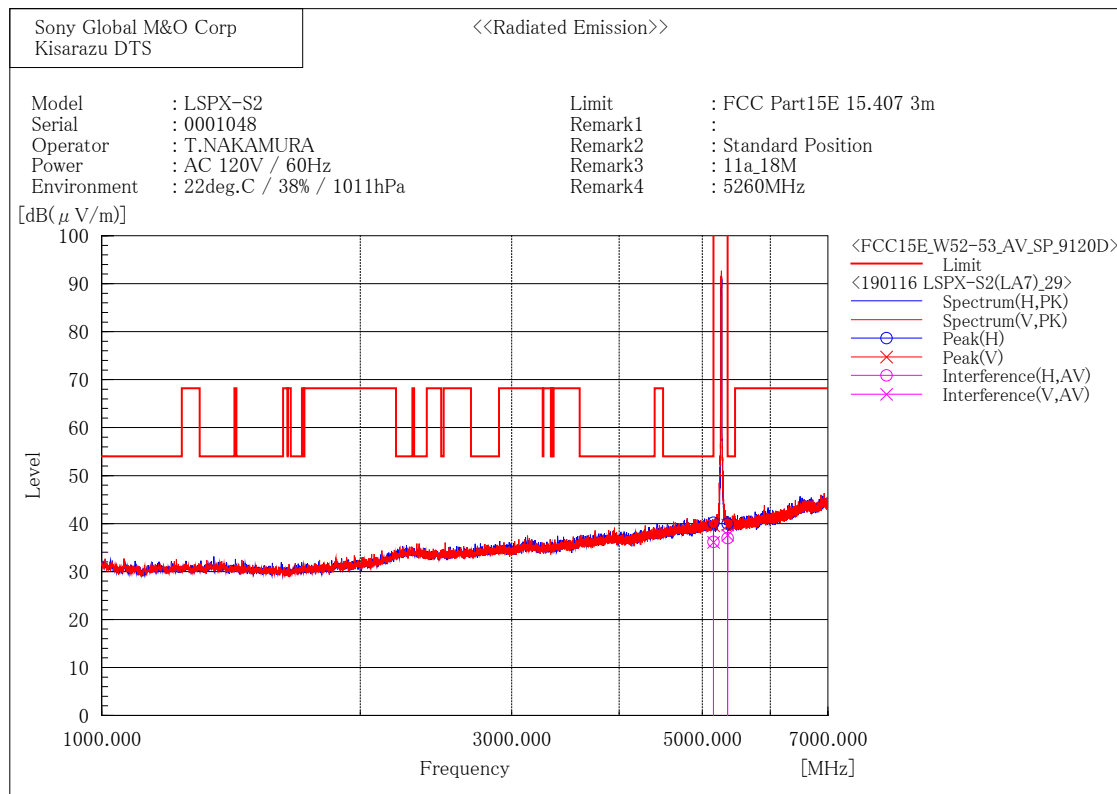
--- Horizontal Polarization (AV)---

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	5150.000	38.7	0.2	38.9	54.0	15.1	293.2	1.2

--- 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	5150.000	38.9	0.2	39.1	54.0	14.9	407.0	264.9

[802.11a/ 5260 MHz]



Final Result

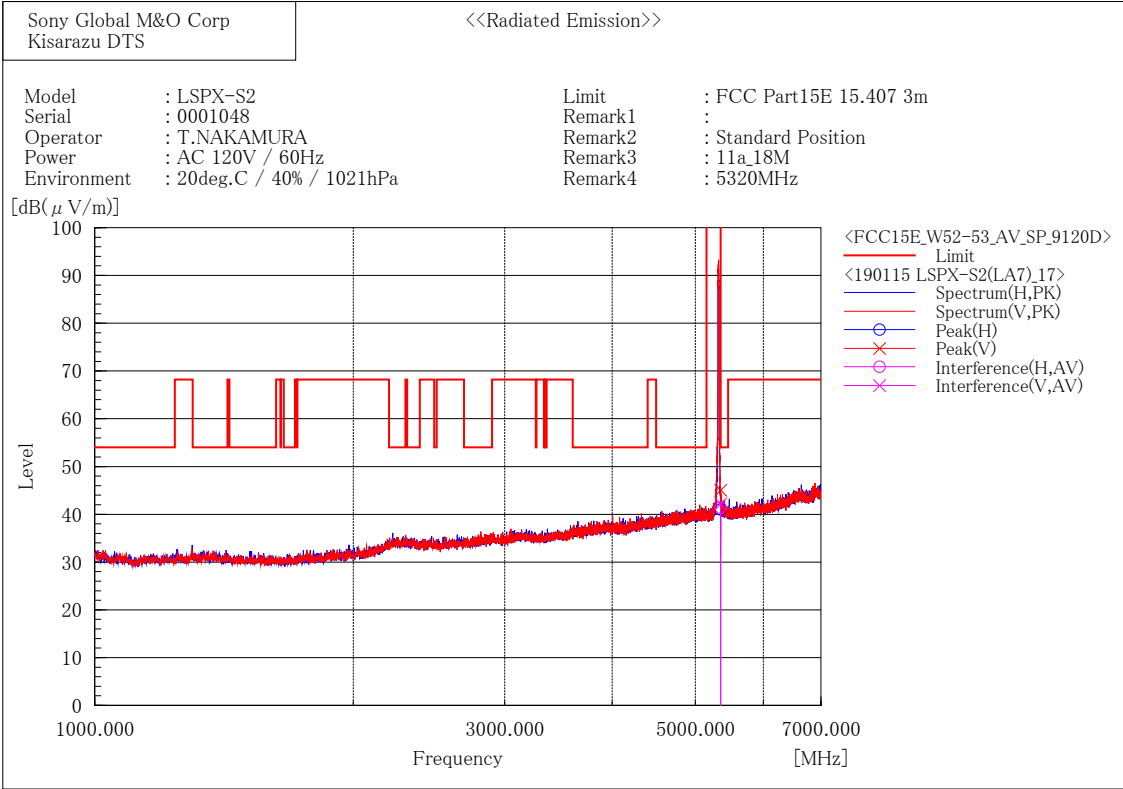
--- Horizontal Polarization (AV) ---

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	5150.000	36.0	0.2	36.2	54.0	17.8	304.5	13.6
2	5350.000	37.1	-0.1	37.0	54.0	17.0	264.6	305.8

--- 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	5150.000	35.9	0.2	36.1	54.0	17.9	405.8	258.0
2	5350.000	37.7	-0.1	37.6	54.0	16.4	329.2	276.0

[802.11a/ 5320 MHz]



Final Result

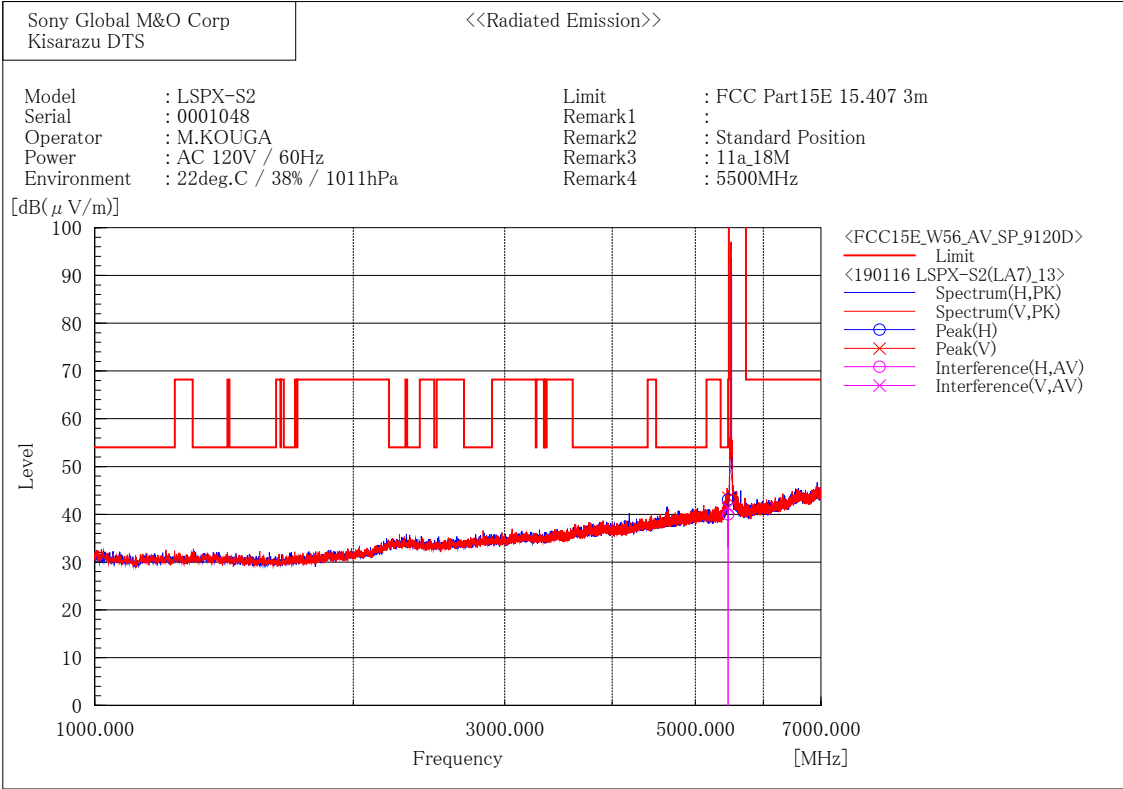
--- Horizontal Polarization (AV)---

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	5350.000	41.5	-0.1	41.4	54.0	12.6	275.4	315.8

--- 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	5350.000	42.3	-0.1	42.2	54.0	11.8	324.4	284.1

[802.11a/ 5500 MHz]



Final Result

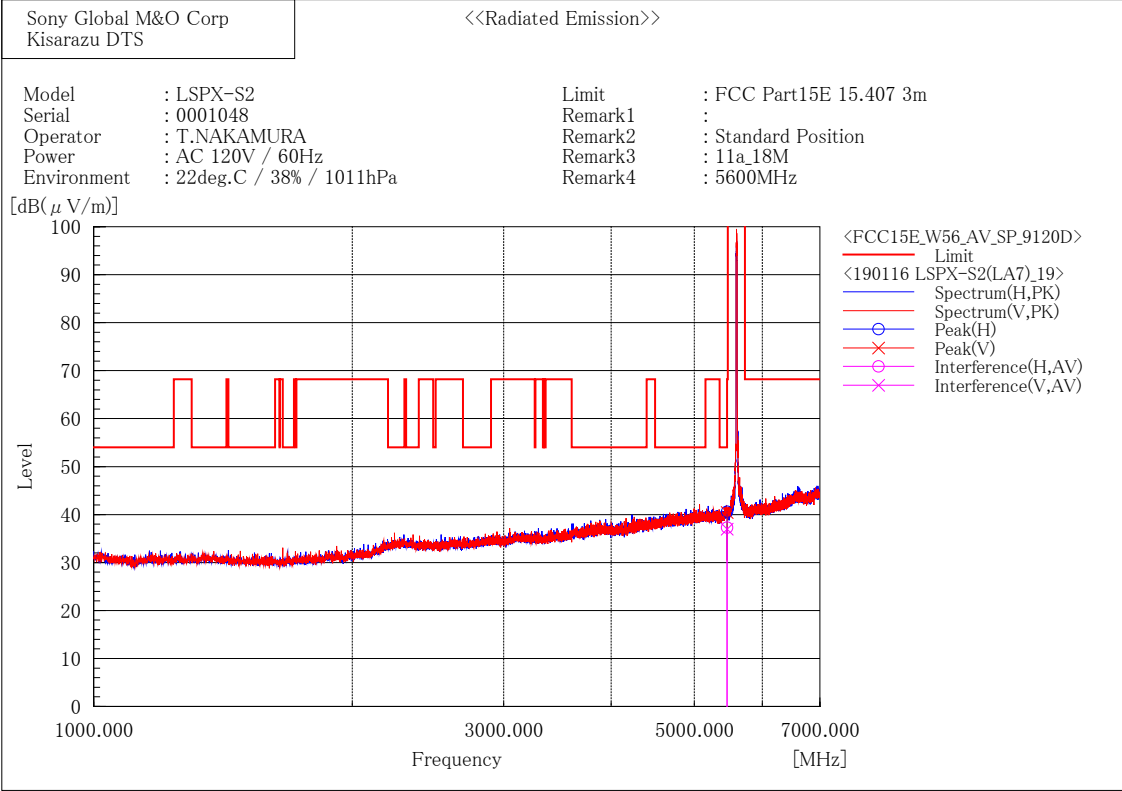
--- Horizontal Polarization (AV)---

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	5460.000	39.8	0.2	40.0	54.0	14.0	278.0	306.0

--- 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	5460.000	41.1	0.2	41.3	54.0	12.7	378.7	277.0

[802.11a/ 5600 MHz]



Final Result

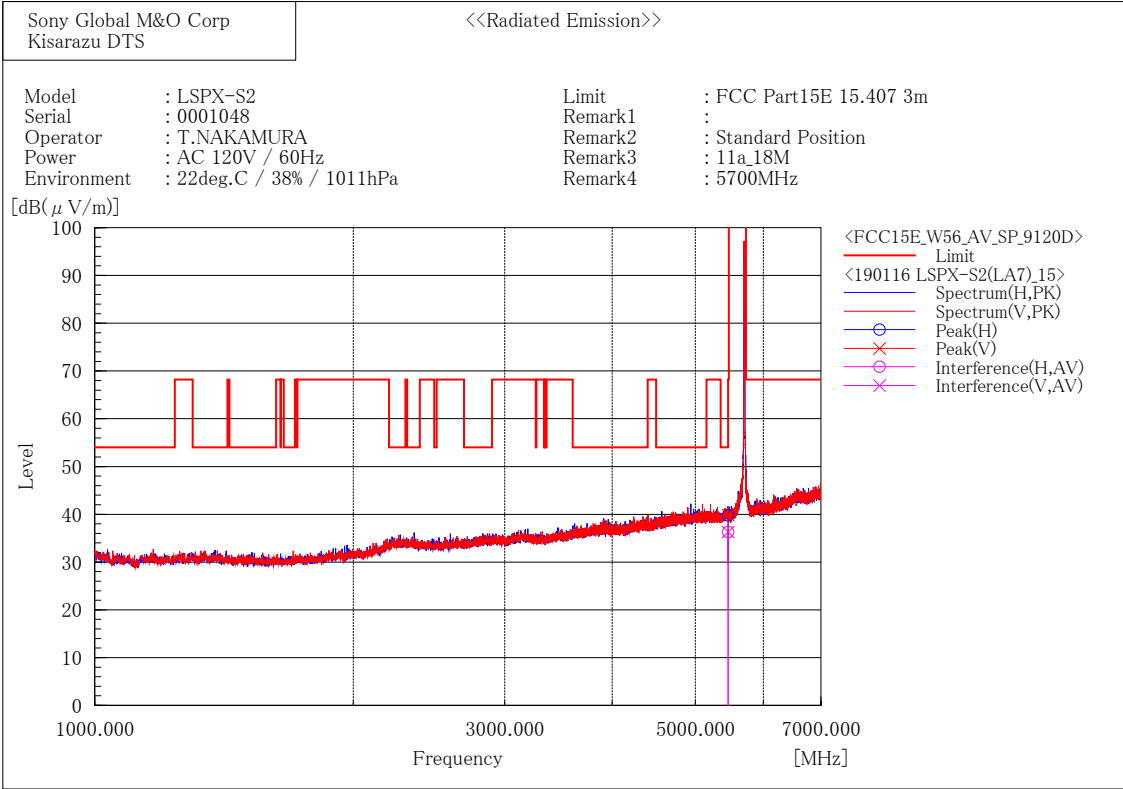
--- Horizontal Polarization (AV) ---

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	5460.000	37.1	0.2	37.3	54.0	16.7	269.5	309.2

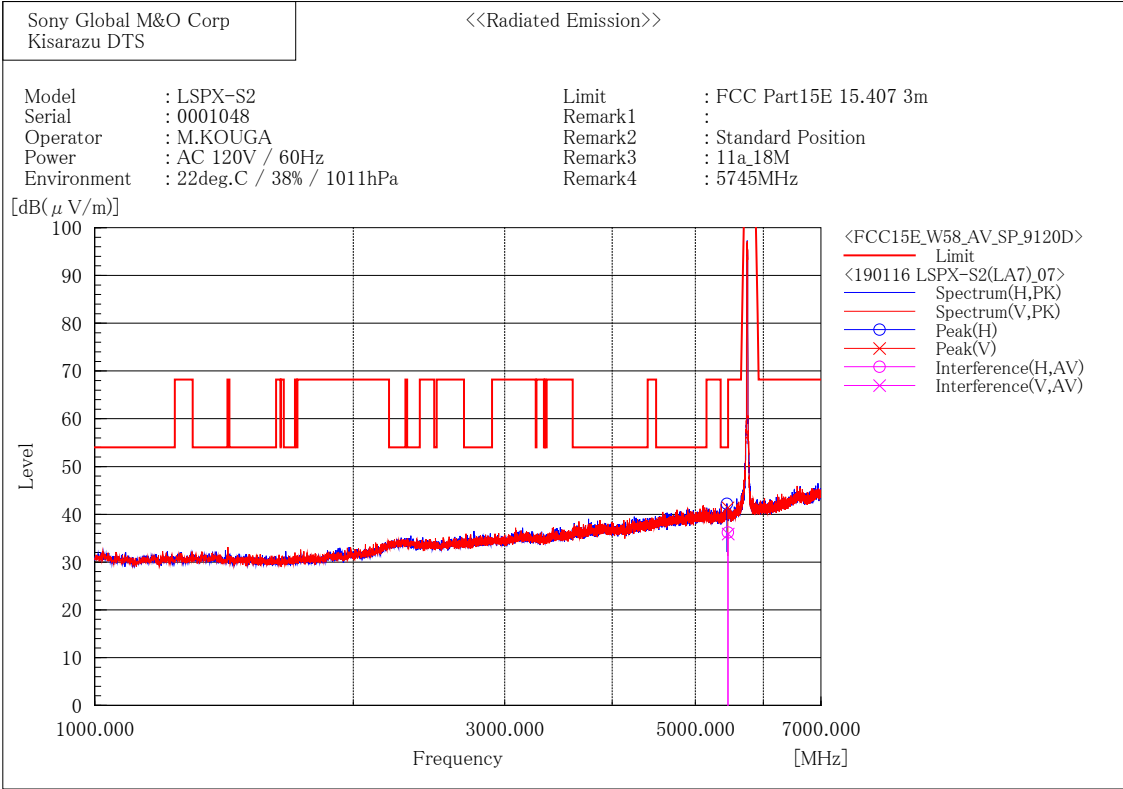
--- Vertical Polarization (AV) ---

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	5460.000	36.8	0.2	37.0	54.0	17.0	372.4	264.4

[802.11a/ 5700 MHz]



[802.11a/ 5745 MHz]



Final Result

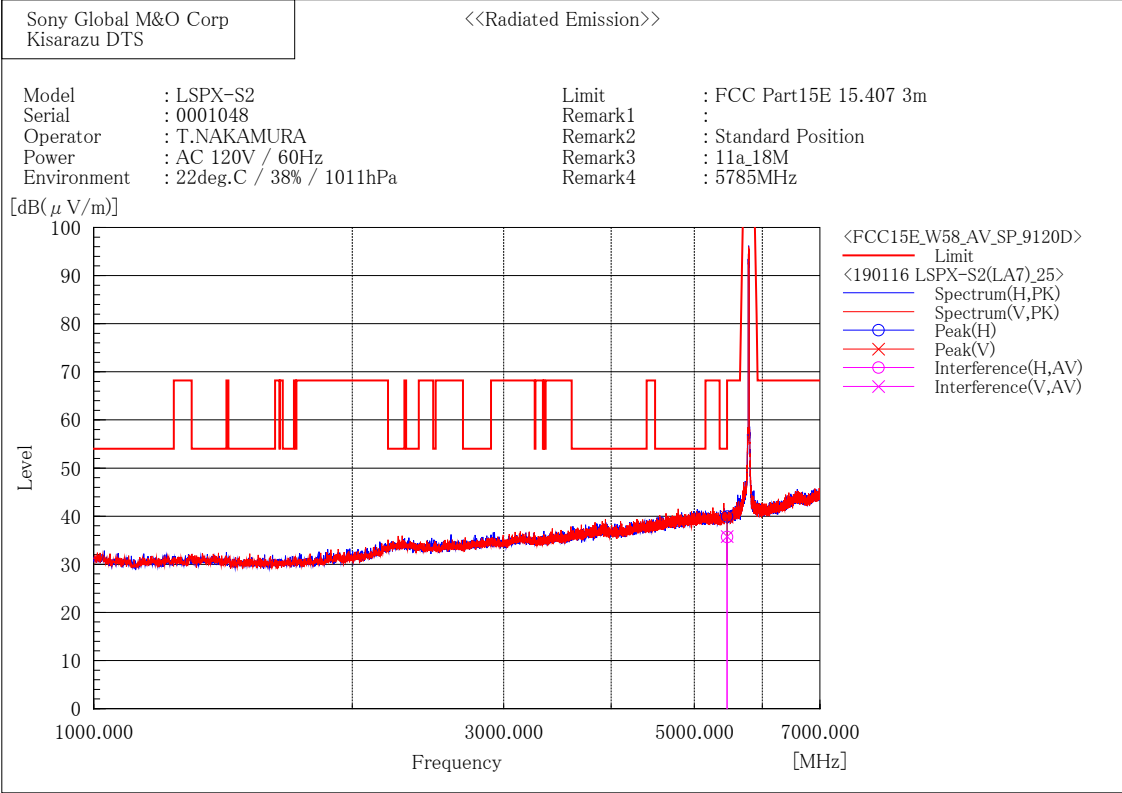
--- Horizontal Polarization (AV) ---

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	5454.865	36.0	0.2	36.2	54.0	17.8	140.0	222.9

--- 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	5458.837	35.7	0.2	35.9	54.0	18.1	384.0	205.0

[802.11a/ 5785 MHz]



Final Result

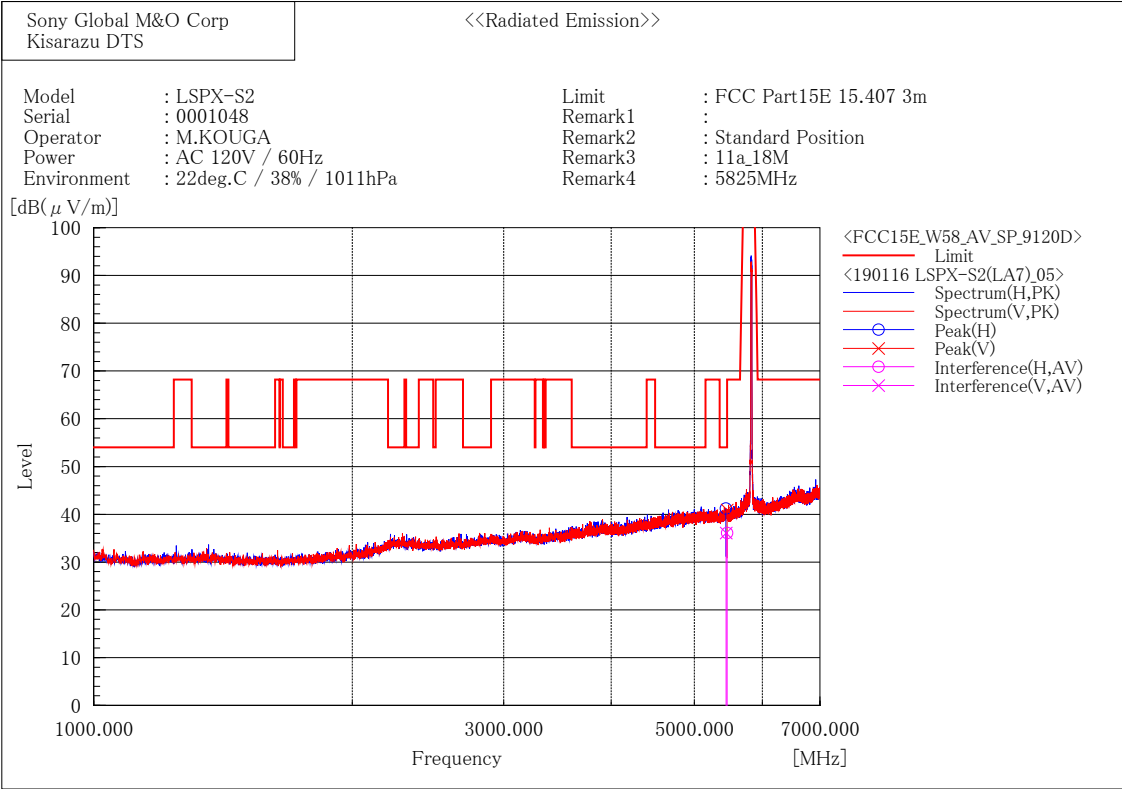
--- Horizontal Polarization (AV) ---

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	5460.000	35.5	0.2	35.7	54.0	18.3	251.1	33.2

--- 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	5460.000	35.6	0.2	35.8	54.0	18.2	210.9	207.6

[802.11a/ 5825 MHz]



Final Result

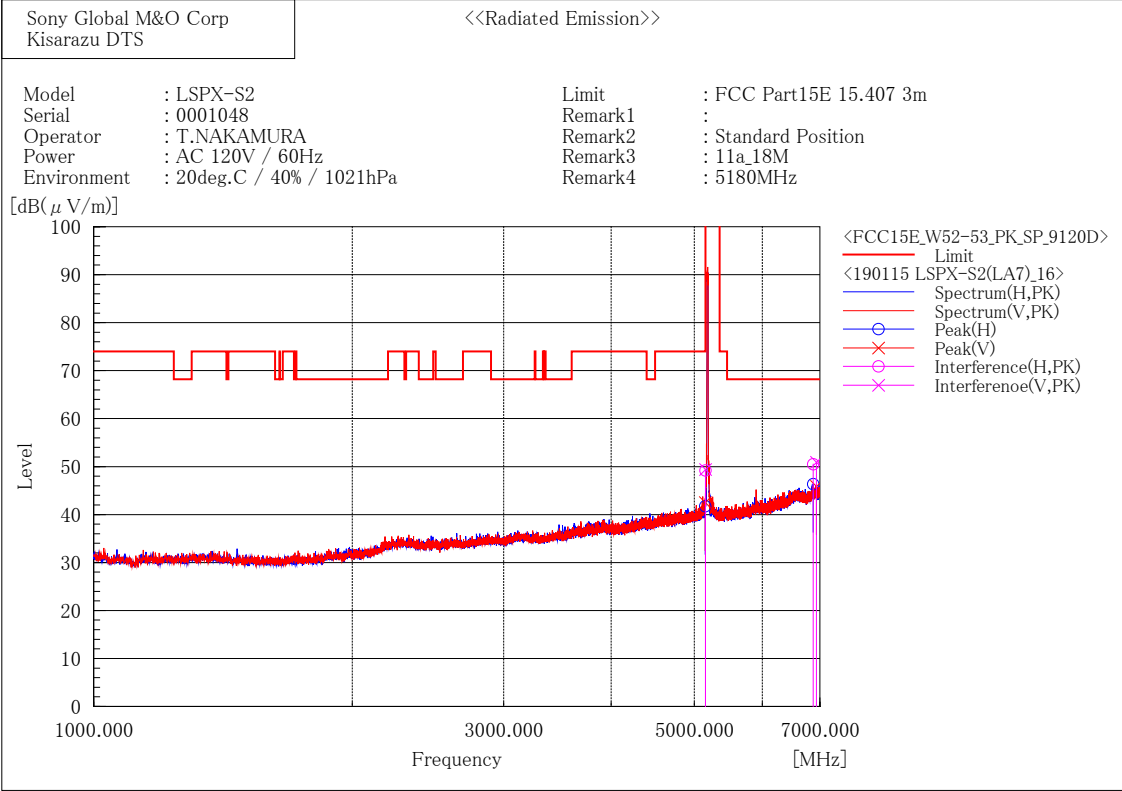
--- Horizontal Polarization (AV)---

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	5459.119	35.9	0.2	36.1	54.0	17.9	216.0	224.0

--- 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	5445.269	36.0	0.1	36.1	54.0	17.9	223.0	208.0

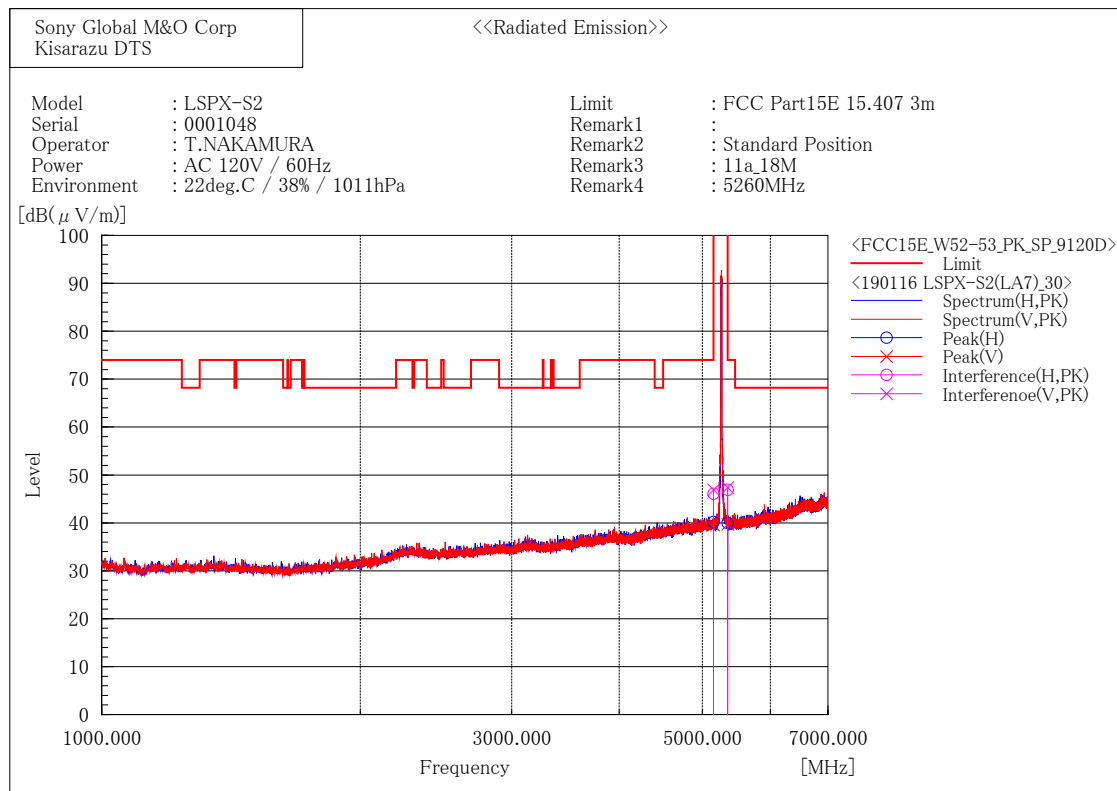
[802.11a/ 5180 MHz]



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	5150.000	49.0	0.2	49.2	74.0	24.8	292.0	2.2
2	6873.602	45.0	5.5	50.5	68.2	17.7	169.0	312.5
--- 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	5150.000	49.2	0.2	49.4	74.0	24.6	405.0	264.9
2	6934.661	45.2	5.7	50.9	68.2	17.3	410.9	301.0

[802.11a/ 5260 MHz]



Final Result

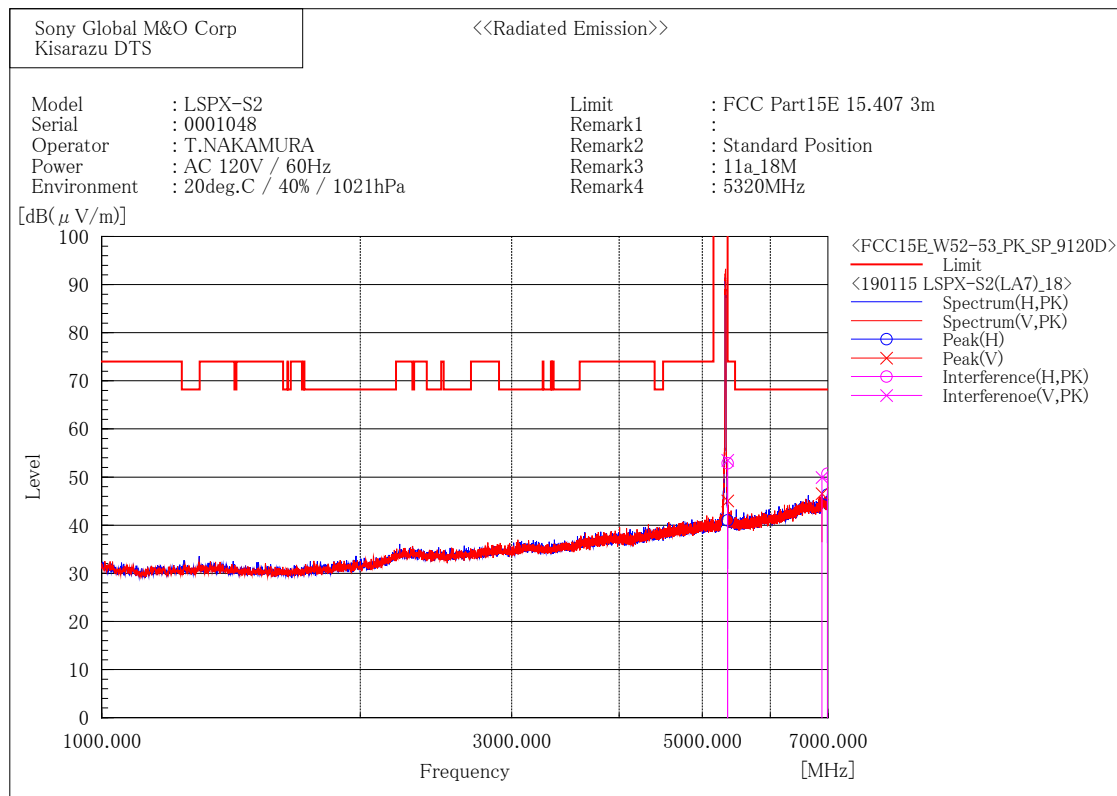
--- Horizontal Polarization (PK) ---

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	5150.000	45.9	0.2	46.1	74.0	27.9	303.0	14.0
2	5350.000	47.0	-0.1	46.9	74.0	27.1	263.0	306.0

--- 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	5150.000	46.7	0.2	46.9	74.0	27.1	404.0	259.0
2	5350.000	47.5	-0.1	47.4	74.0	26.6	328.0	276.0

[802.11a/ 5320 MHz]



Final Result

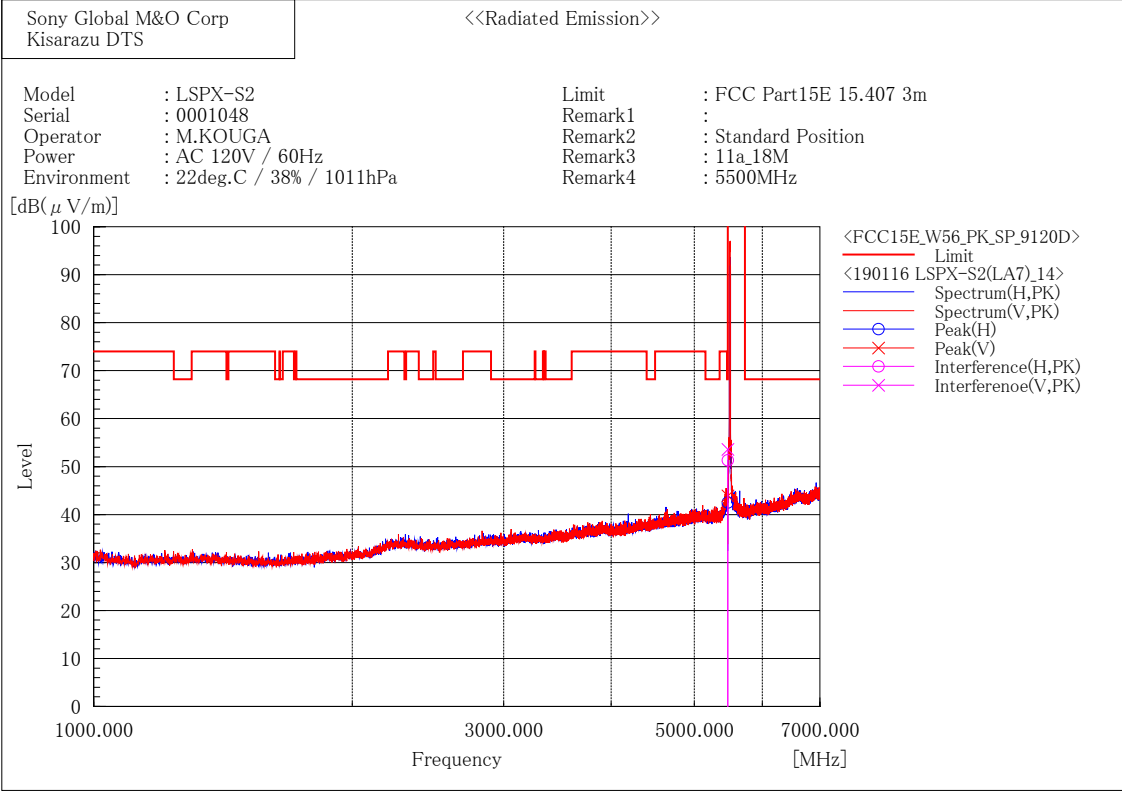
--- Horizontal Polarization (PK)---

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	5350.000	53.0	-0.1	52.9	74.0	21.1	274.0	316.0
2	6988.391	45.1	5.6	50.7	68.2	17.5	229.1	320.8

--- 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	5350.000	53.6	-0.1	53.5	74.0	20.5	323.0	285.0
2	6890.898	44.3	5.6	49.9	68.2	18.3	212.3	117.7

[802.11a/ 5500 MHz]



Final Result

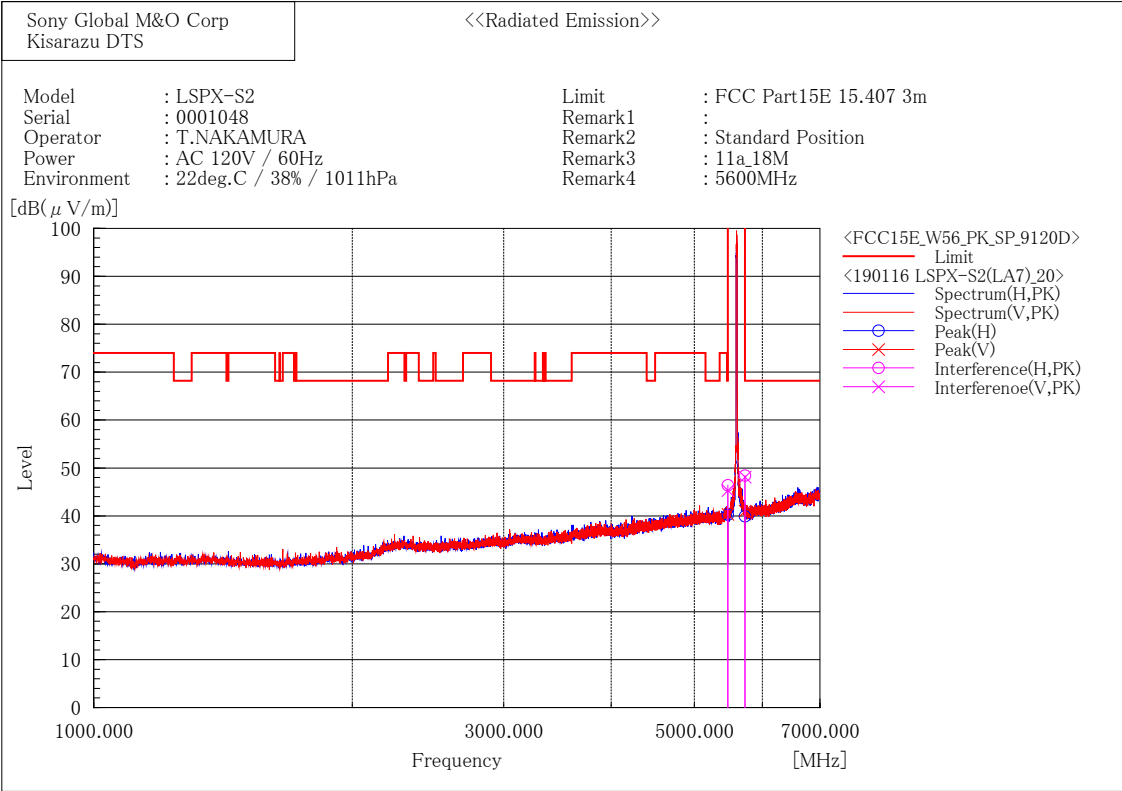
--- Horizontal Polarization (PK) ---

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	5470.000	51.1	0.2	51.3	68.2	16.9	285.0	337.3

--- 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	5470.000	53.4	0.2	53.6	68.2	14.6	392.0	278.0

[802.11a/ 5600 MHz]



Final Result

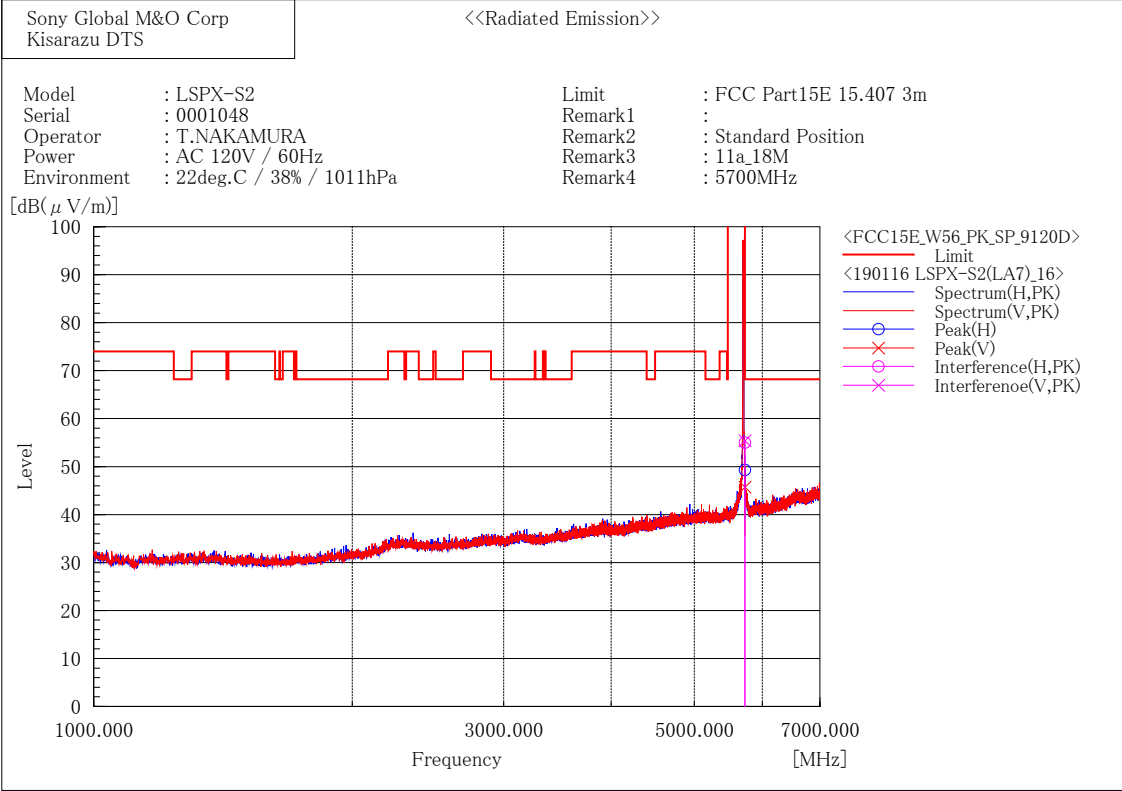
--- Horizontal Polarization (PK) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5470.000	46.2	0.2	46.4	68.2	21.8	415.8	197.7
2	5725.000	47.3	1.1	48.4	68.2	19.8	339.4	17.6

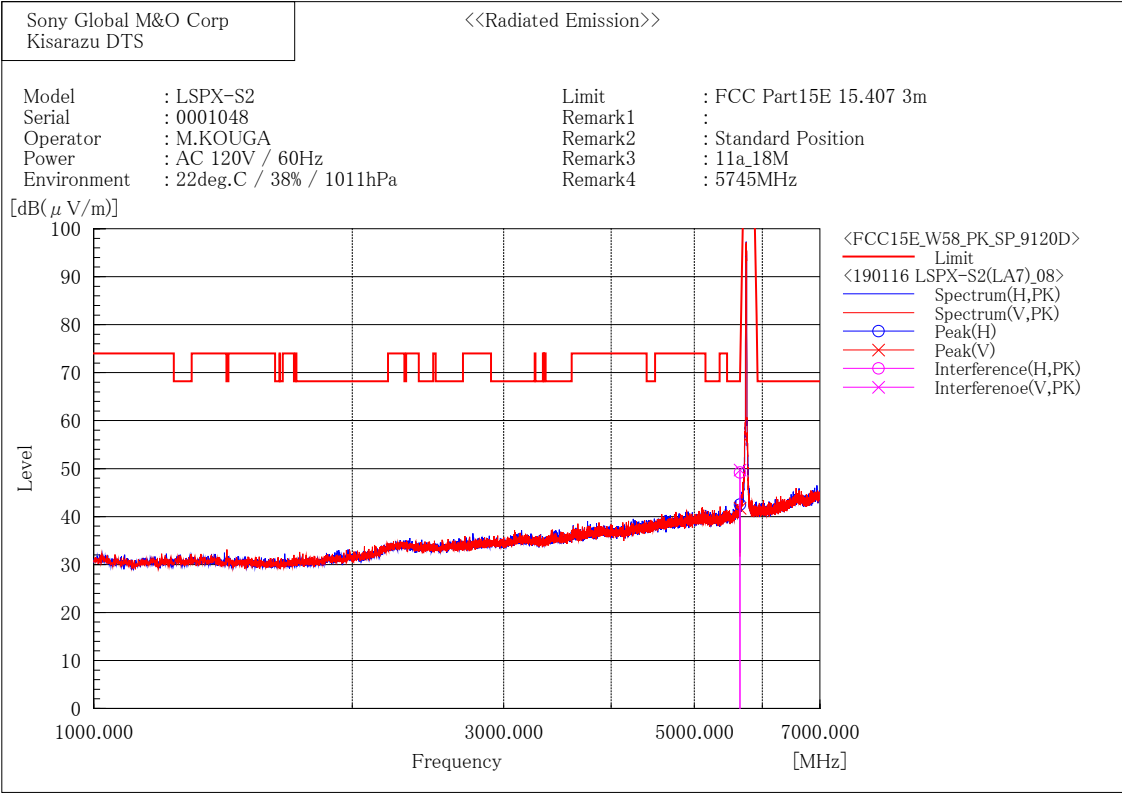
--- Vertical Polarization (PK) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5470.000	45.1	0.2	45.3	68.2	22.9	335.9	17.0
2	5725.000	47.0	1.1	48.1	68.2	20.1	334.0	305.0

[802.11a/ 5700 MHz]



[802.11a/ 5745 MHz]



Final Result

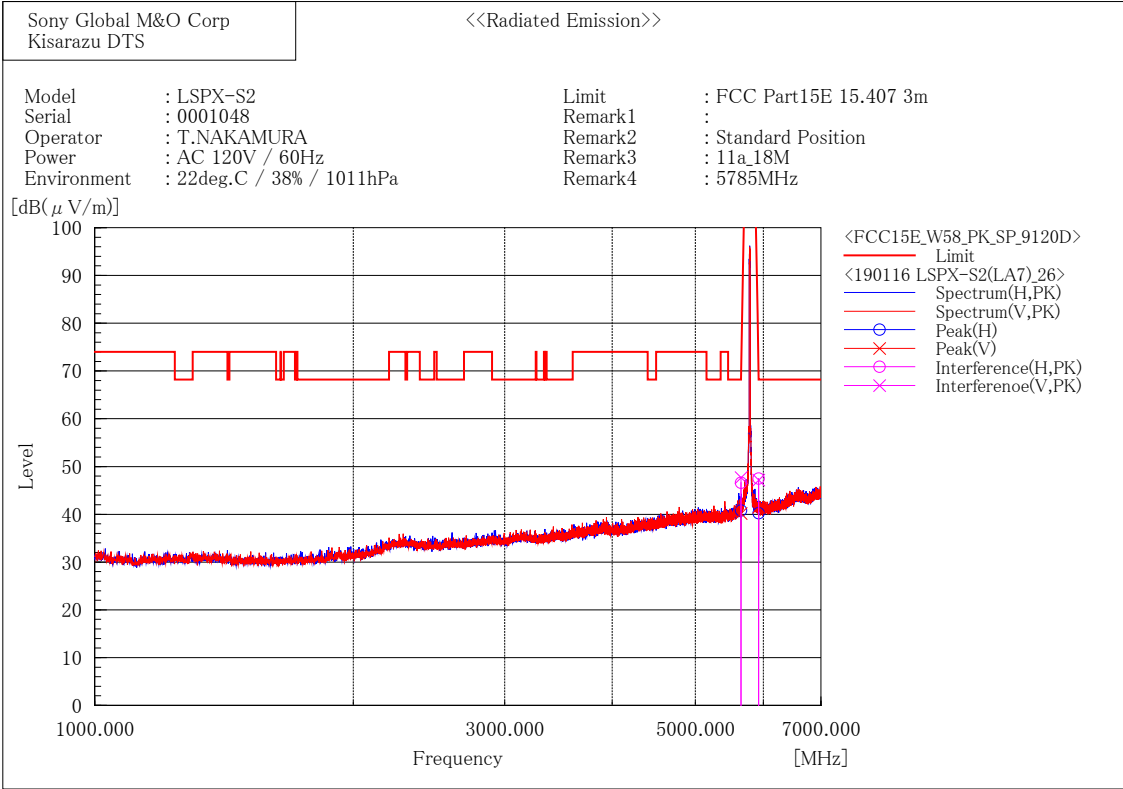
--- Horizontal Polarization (PK) ---

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	5650.000	48.5	0.7	49.2	68.2	19.0	255.0	225.1

--- 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	5650.000	49.0	0.7	49.7	68.2	18.5	306.1	281.0

[802.11a/ 5785 MHz]



Final Result

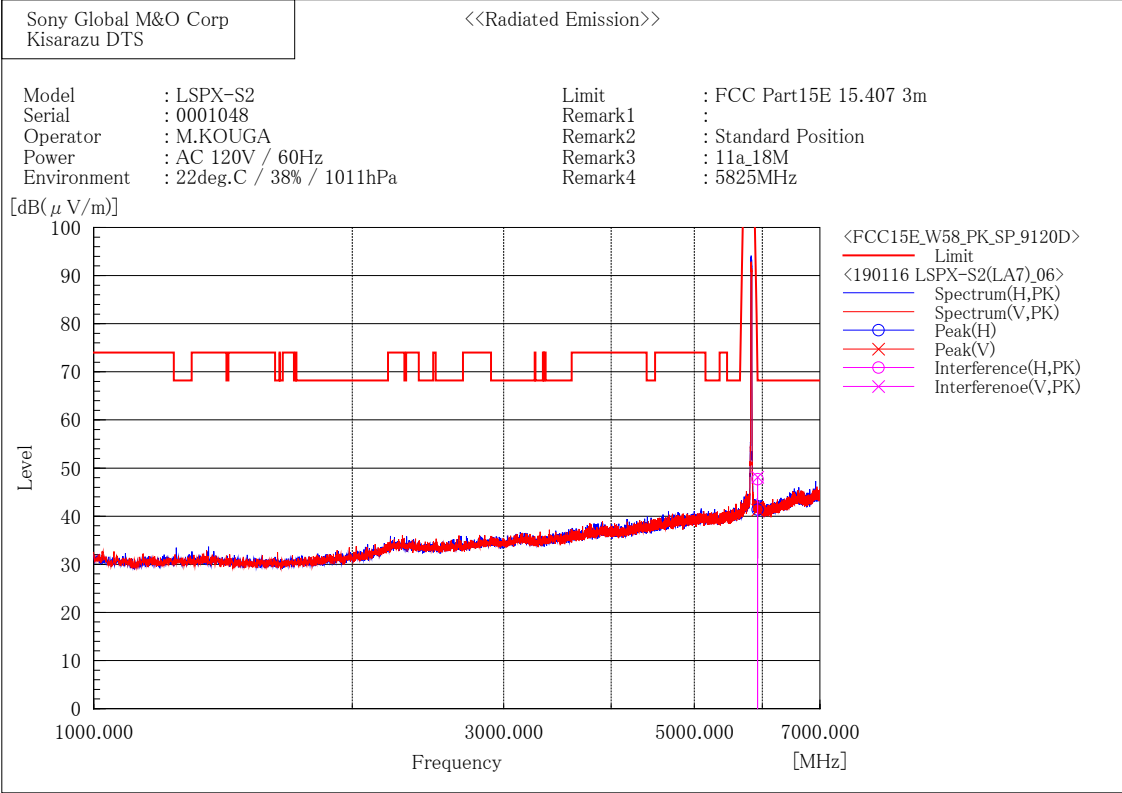
--- Horizontal Polarization (PK) ---

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	5650.000	45.9	0.7	46.6	68.2	21.6	243.3	241.8
2	5925.000	45.4	2.1	47.5	68.2	20.7	276.2	352.9

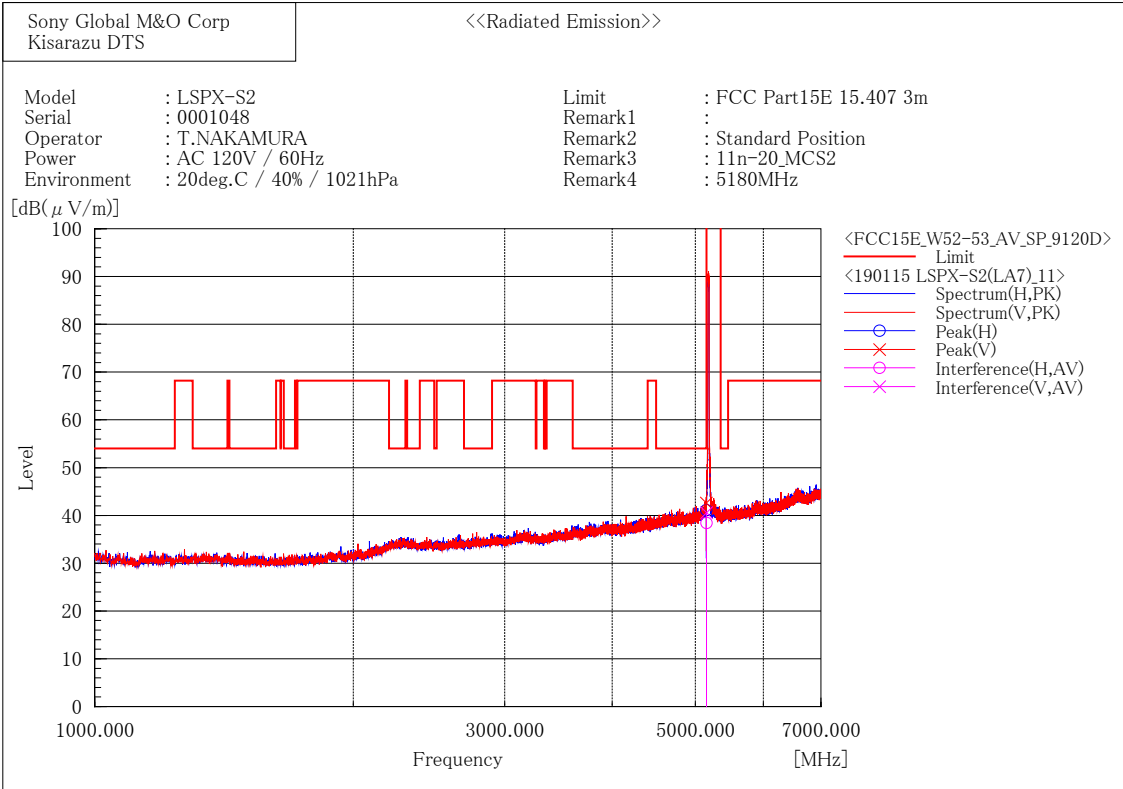
--- Vertical Polarization (PK) ---

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	5650.000	47.0	0.7	47.7	68.2	20.5	302.3	302.7
2	5925.000	45.1	2.1	47.2	68.2	21.0	238.4	50.8

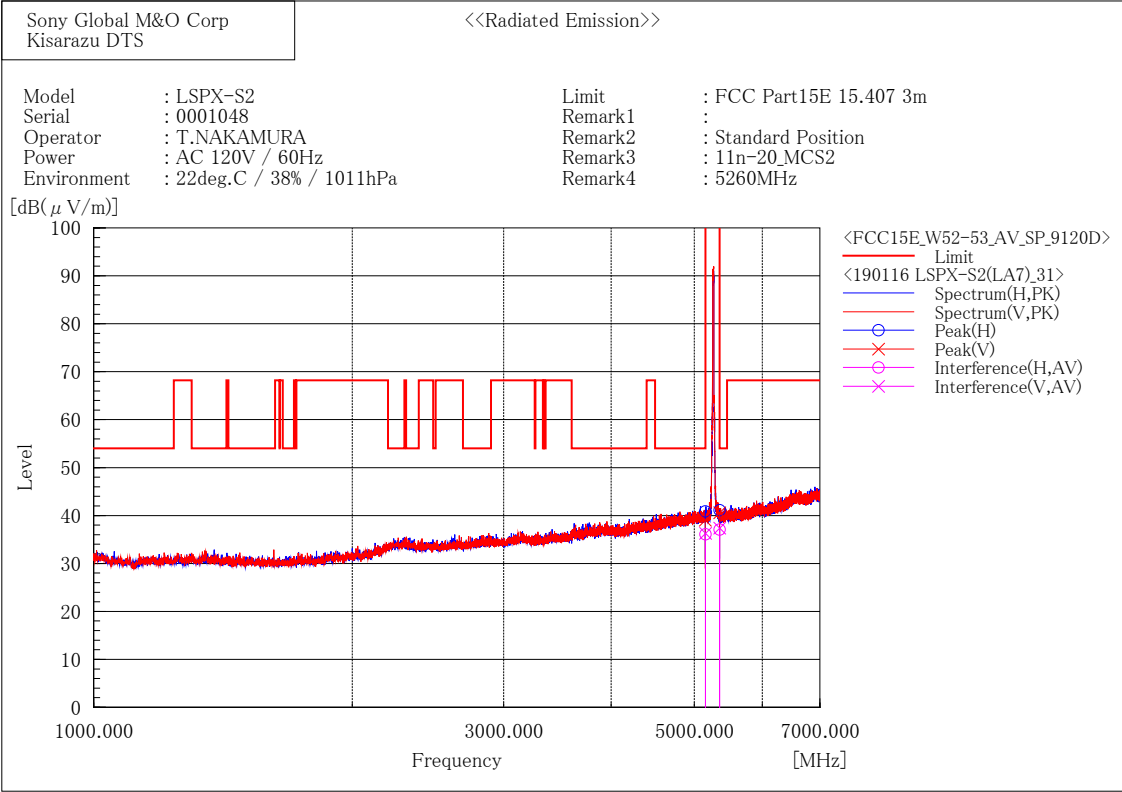
[802.11a/ 5825 MHz]



[802.11n (HT20)/ 5180 MHz]



[802.11n (HT20)/ 5260 MHz]



Final Result

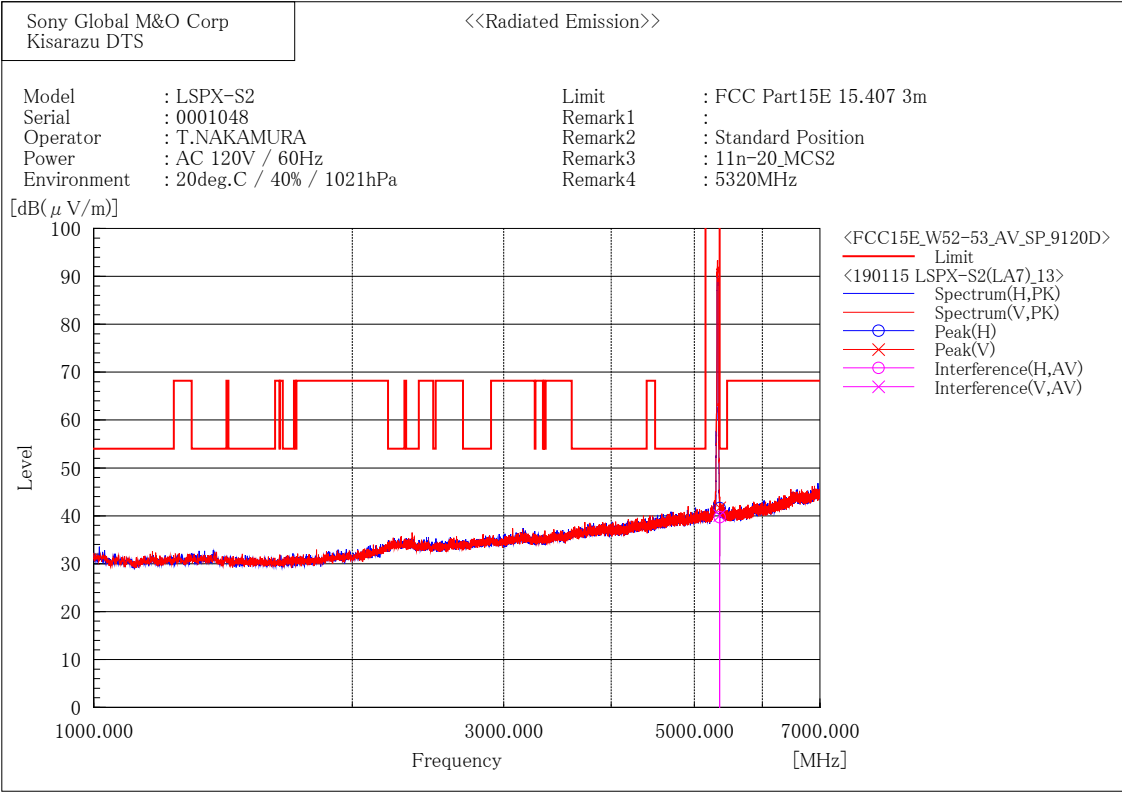
--- Horizontal Polarization (AV)---

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	5150.000	35.9	0.2	36.1	54.0	17.9	321.8	37.8
2	5350.000	37.2	-0.1	37.1	54.0	16.9	276.3	320.6

--- 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	5150.000	36.1	0.2	36.3	54.0	17.7	409.1	246.6
2	5350.000	37.5	-0.1	37.4	54.0	16.6	343.1	274.4

[802.11n (HT20)/ 5320 MHz]



Final Result

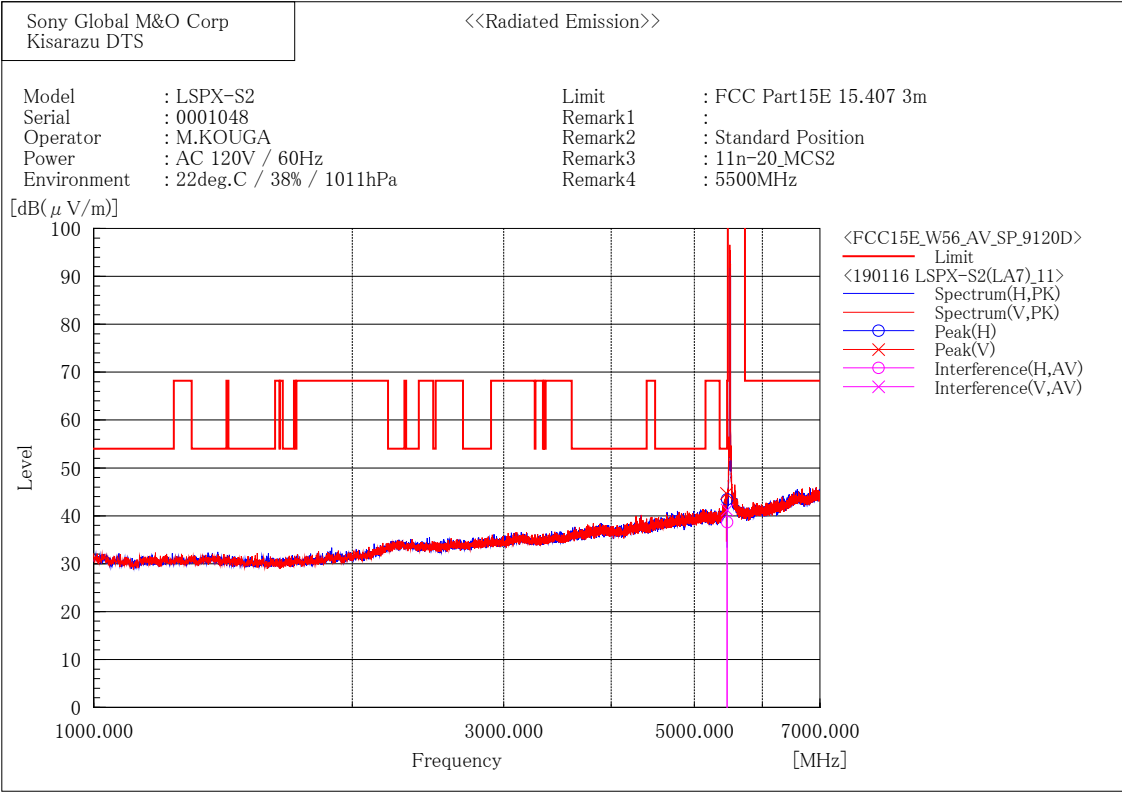
--- Horizontal Polarization (AV)---

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	5350.000	39.8	-0.1	39.7	54.0	14.3	272.0	330.0

--- 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	5350.000	40.2	-0.1	40.1	54.0	13.9	383.5	271.5

[802.11n (HT20)/ 5500 MHz]



Final Result

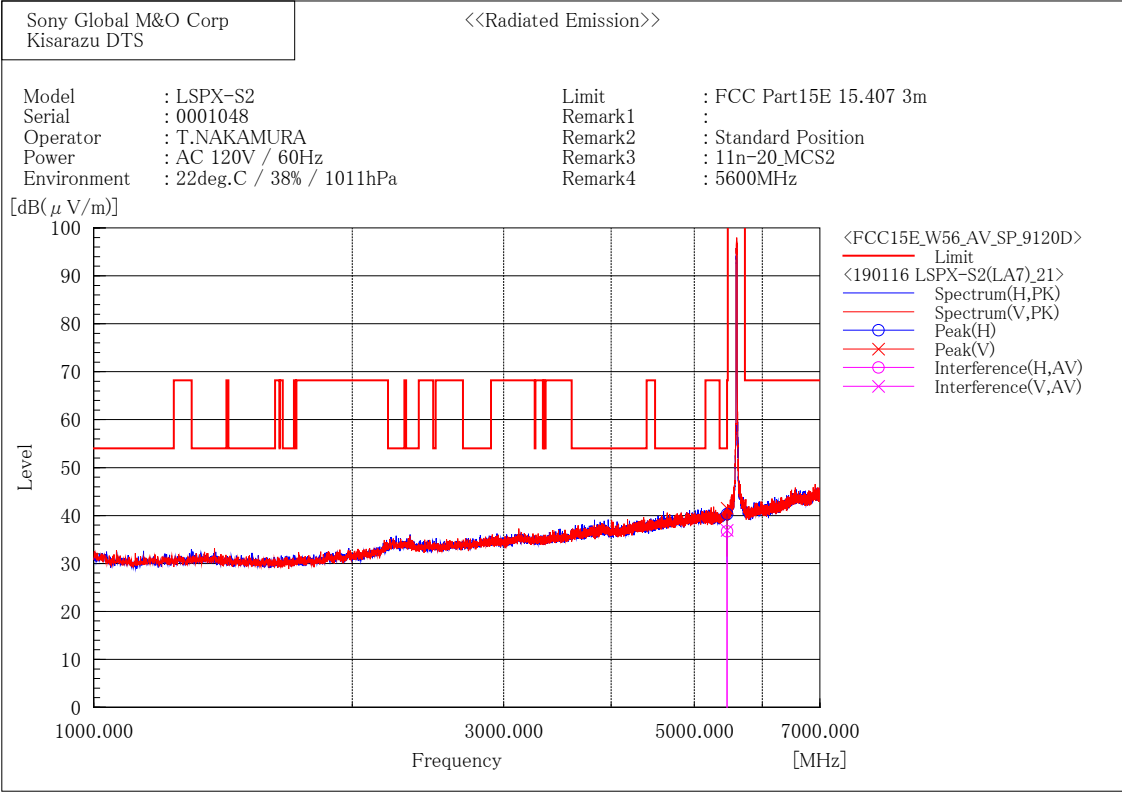
--- Horizontal Polarization (AV)---

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	5460.000	38.5	0.2	38.7	54.0	15.3	225.0	310.0

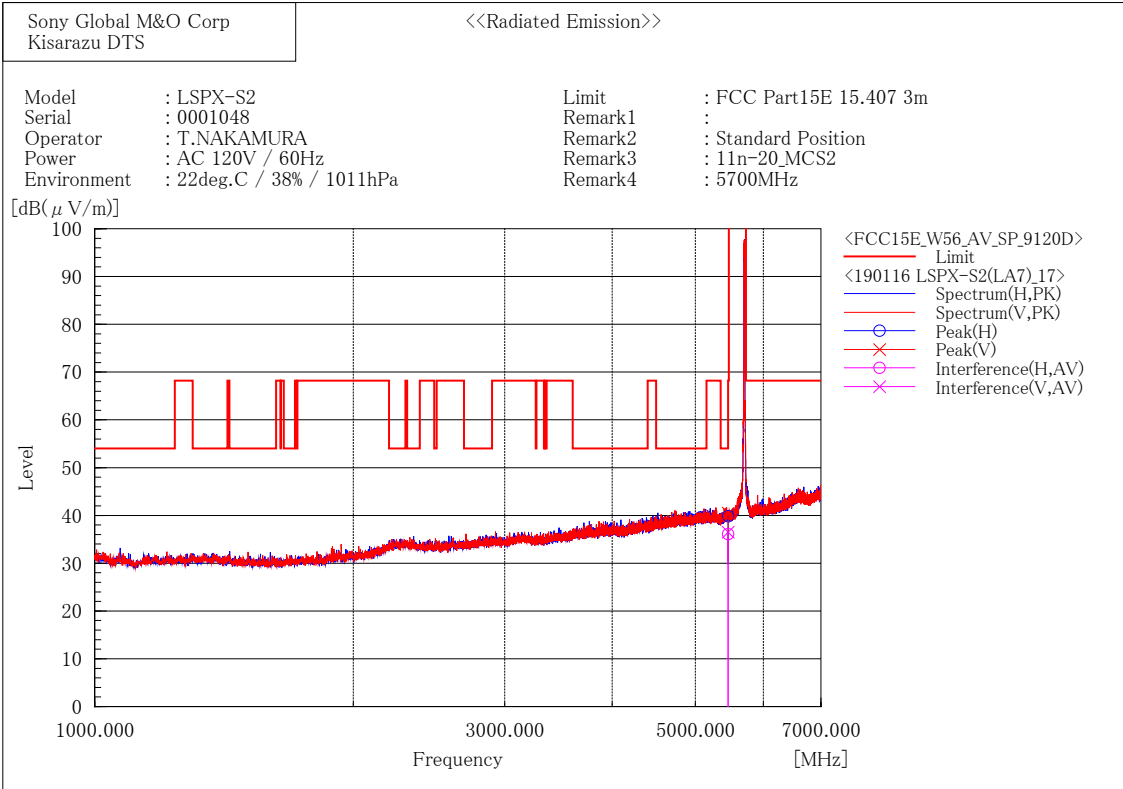
--- Vertical Polarization (AV)---

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	5460.000	41.0	0.2	41.2	54.0	12.8	289.0	276.0

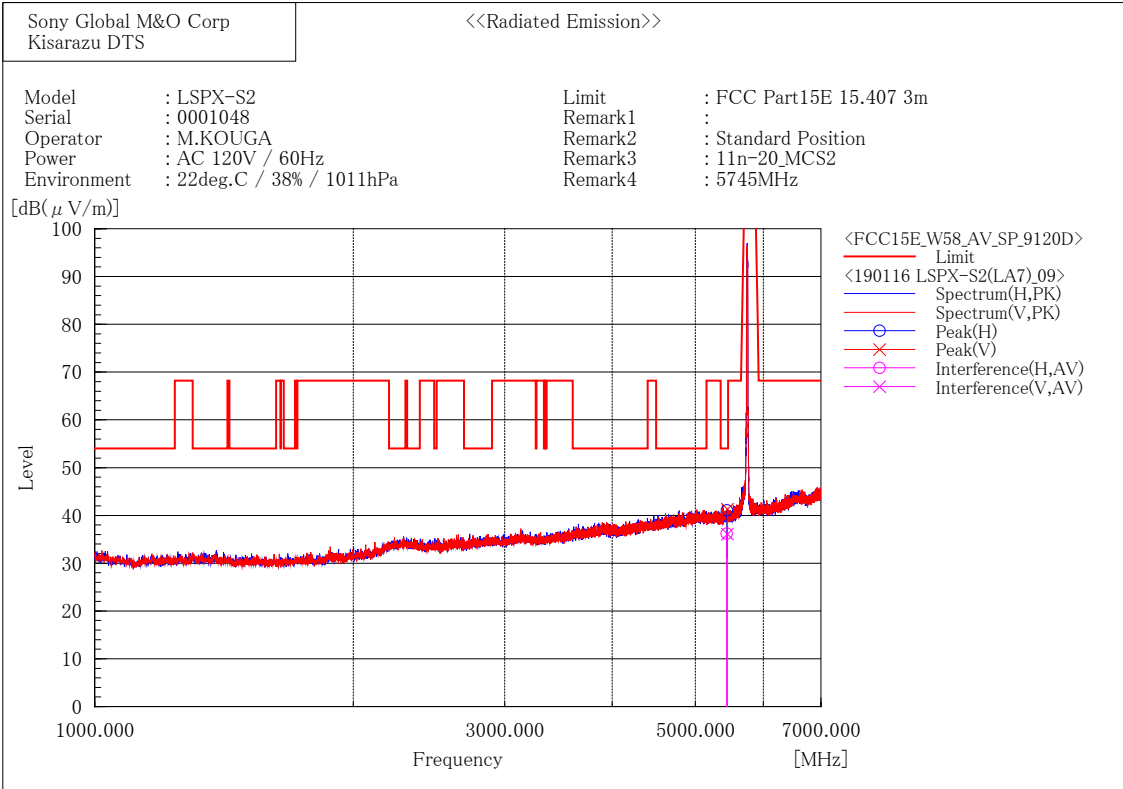
[802.11n (HT20)/ 5600 MHz]



[802.11n (HT20)/ 5700 MHz]



[802.11n (HT20)/ 5745 MHz]



Final Result

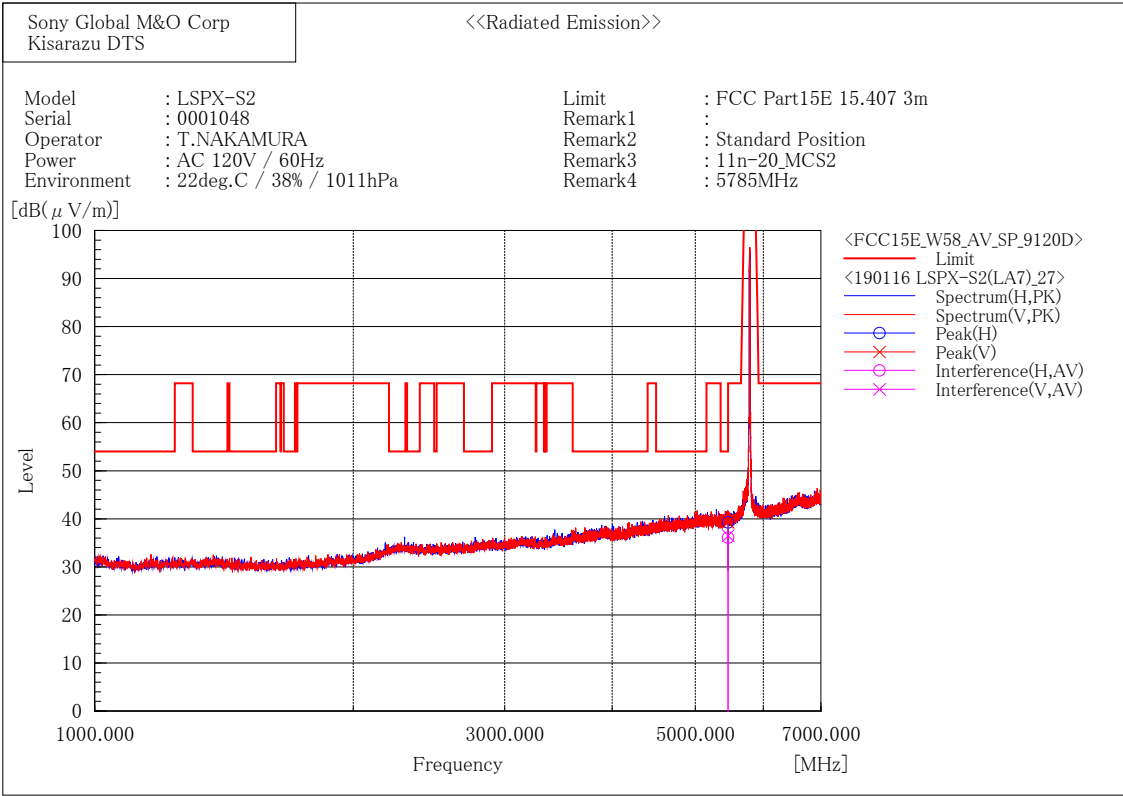
--- Horizontal Polarization (AV) ---

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	5435.218	36.1	0.1	36.2	54.0	17.8	169.0	132.0

--- 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	5448.556	35.9	0.2	36.1	54.0	17.9	198.0	345.1

[802.11n (HT20)/ 5785 MHz]



Final Result

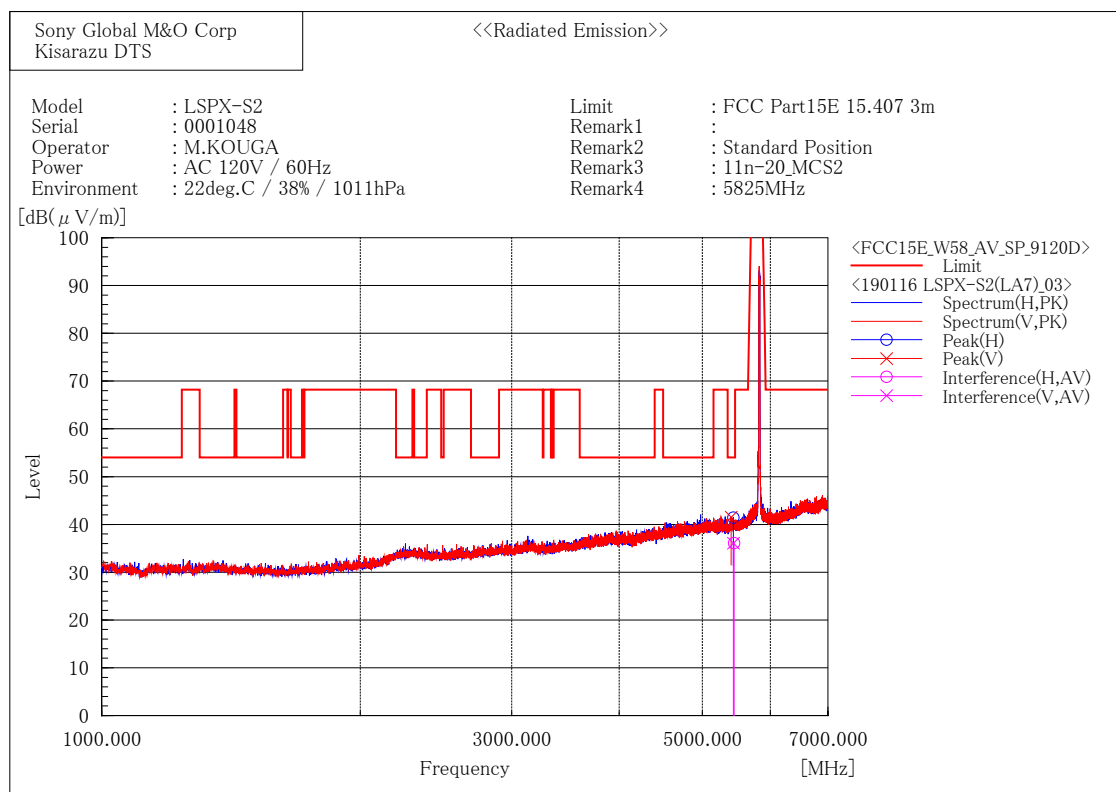
--- Horizontal Polarization (AV)---

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	5460.000	35.9	0.2	36.1	54.0	17.9	281.7	52.0

--- 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	5460.000	36.3	0.2	36.5	54.0	17.5	203.1	203.4

[802.11n (HT20)/ 5825 MHz]



Final Result

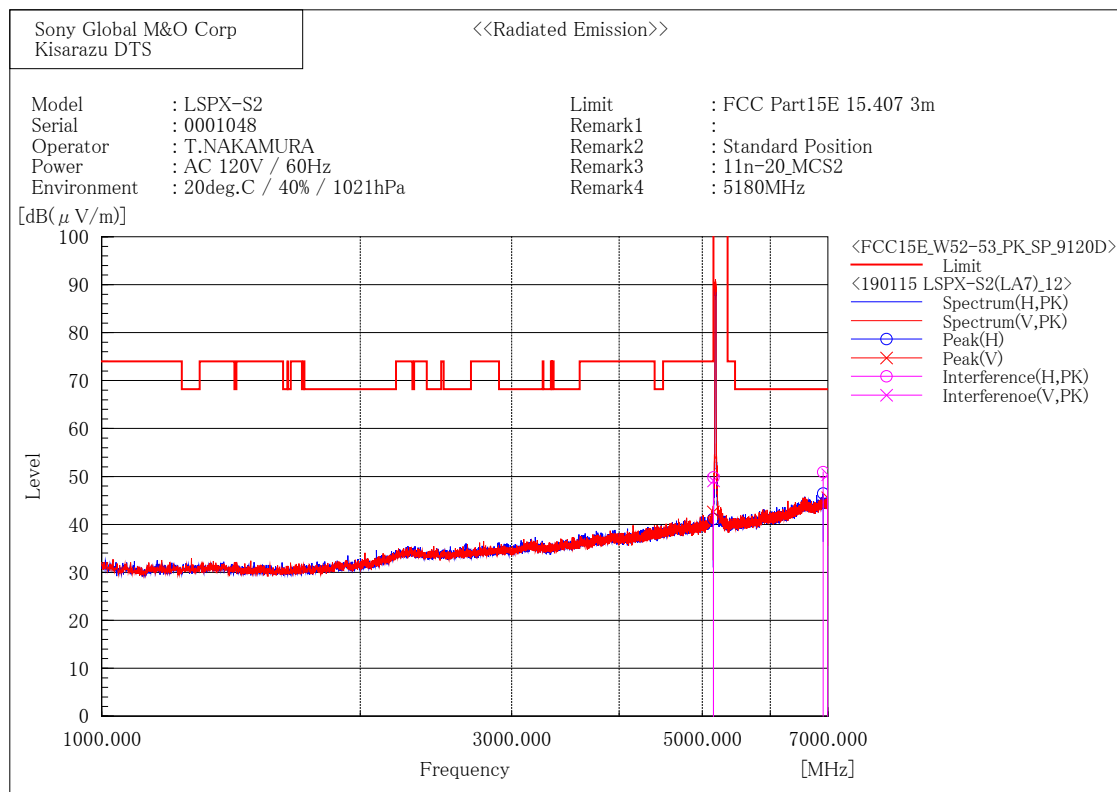
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5444.754	36.0	0.1	36.1	54.0	17.9	157.0	257.0

--- Vertical Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5433.515	36.0	0.1	36.1	54.0	17.9	195.0	264.0

802.11n (HT20)/ 5180 MHz]



Final Result

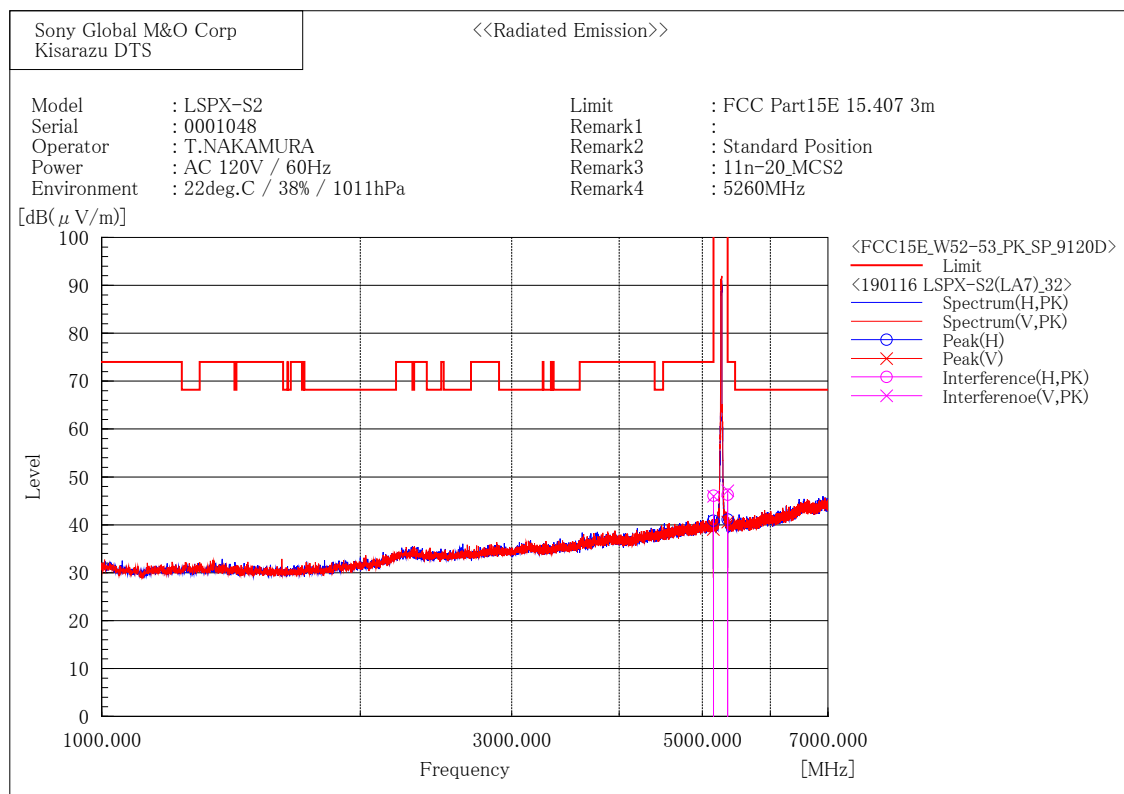
--- Horizontal Polarization (PK) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5150.000	49.6	0.2	49.8	74.0	24.2	272.8	23.0
2	6913.782	45.1	5.8	50.9	68.2	17.3	127.9	213.1

--- Vertical Polarization (PK) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5150.000	48.9	0.2	49.1	74.0	24.9	411.4	282.0
2	6996.841	44.8	5.6	50.4	68.2	17.8	371.8	255.9

[802.11n (HT20)/ 5260 MHz]



Final Result

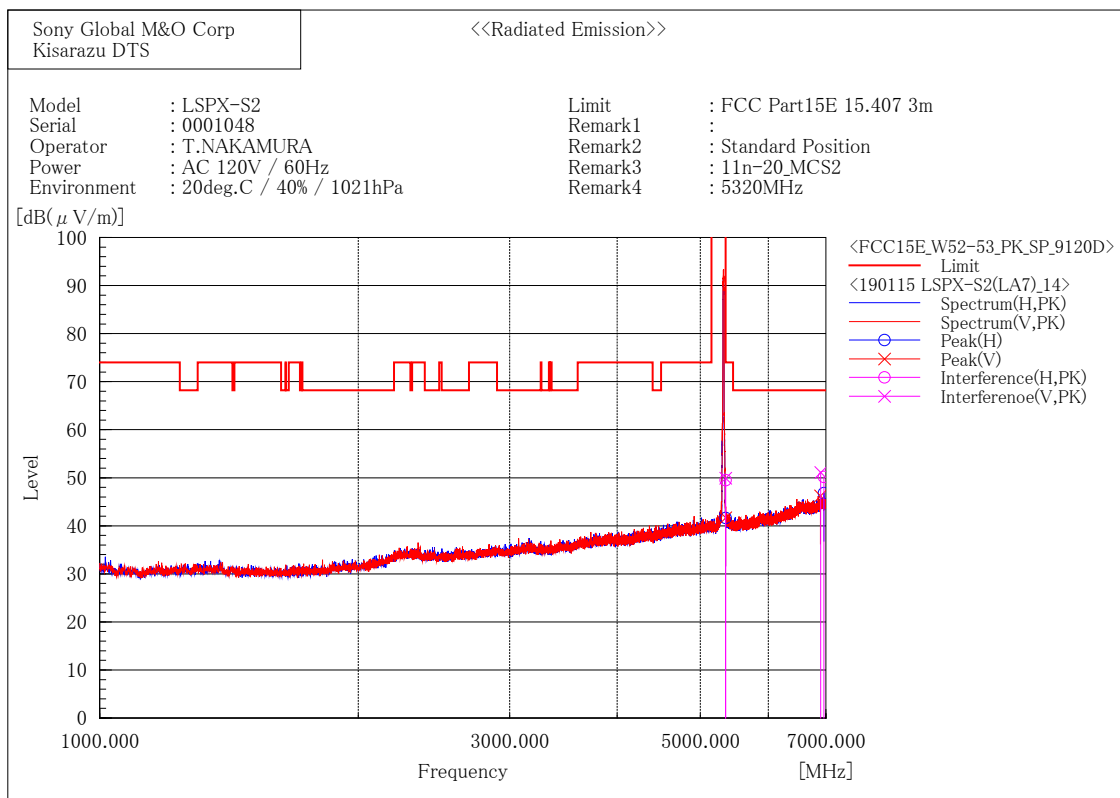
--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5150.000	45.9	0.2	46.1	74.0	27.9	320.0	38.0
2	5350.000	46.4	-0.1	46.3	74.0	27.7	276.3	322.2

--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5150.000	45.8	0.2	46.0	74.0	28.0	408.0	247.0
2	5350.000	47.2	-0.1	47.1	74.0	26.9	342.8	275.0

[802.11n (HT20)/ 5320 MHz]



Final Result

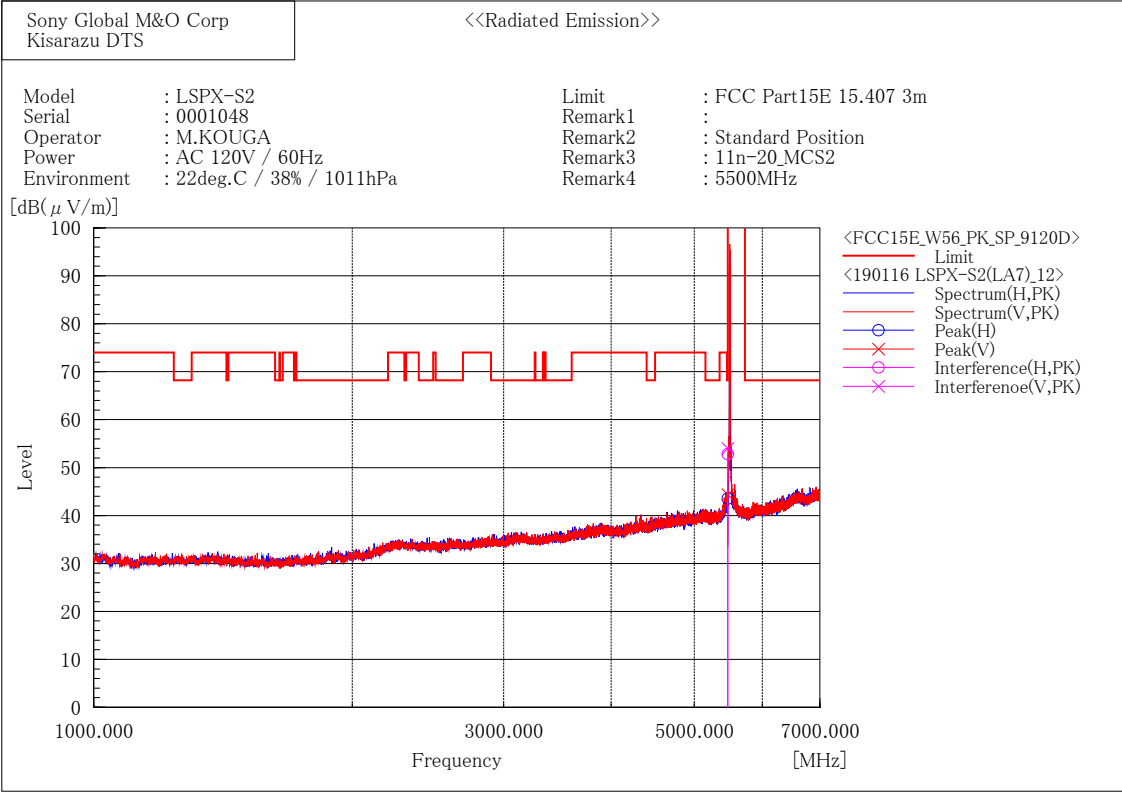
--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5350.000	49.6	-0.1	49.5	74.0	24.5	269.8	331.0
2	6963.447	44.6	5.6	50.2	68.2	18.0	100.0	238.7

--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5350.000	50.0	-0.1	49.9	74.0	24.1	383.2	272.0
2	6900.678	45.4	5.7	51.1	68.2	17.1	380.8	327.9

[802.11n (HT20)/ 5500 MHz]



Final Result

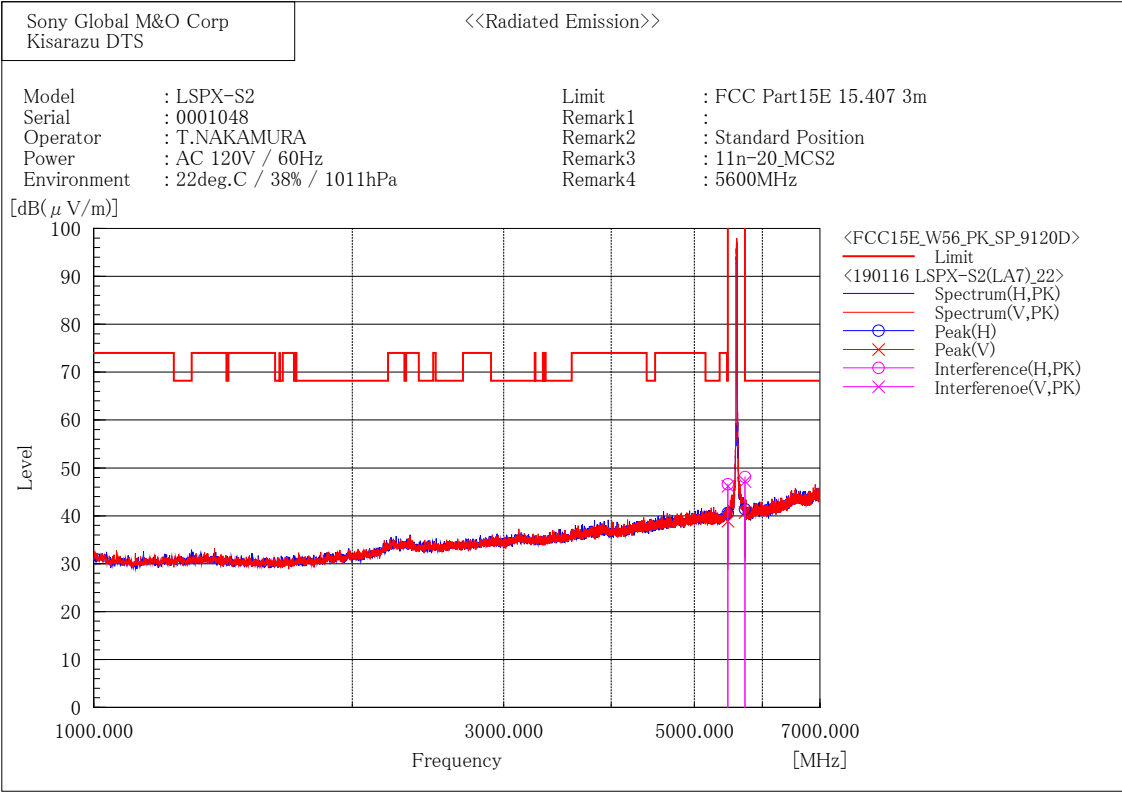
--- Horizontal Polarization (PK)---

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	5470.000	52.6	0.2	52.8	68.2	15.4	283.0	326.0

--- 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	5470.000	53.8	0.2	54.0	68.2	14.2	252.0	272.0

[802.11n (HT20)/ 5600 MHz]



Final Result

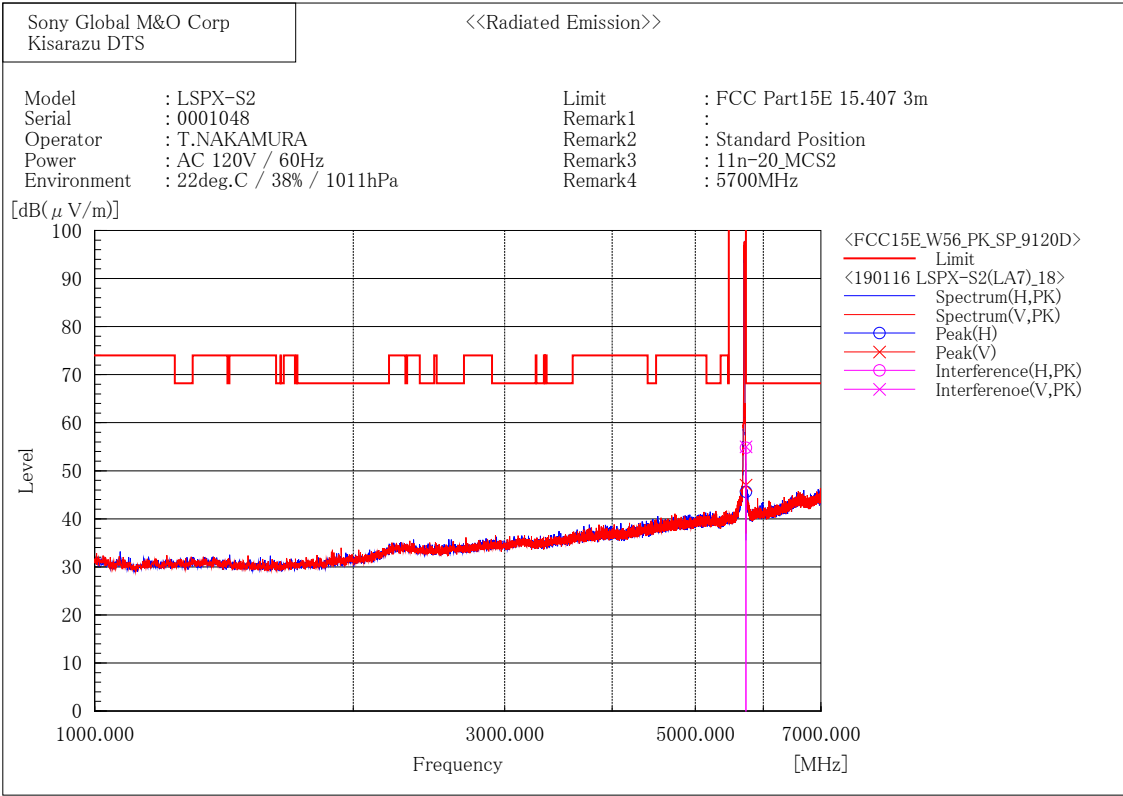
--- Horizontal Polarization (PK)---

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	5470.000	46.4	0.2	46.6	68.2	21.6	373.2	205.2
2	5725.000	47.0	1.1	48.1	68.2	20.1	329.3	19.4

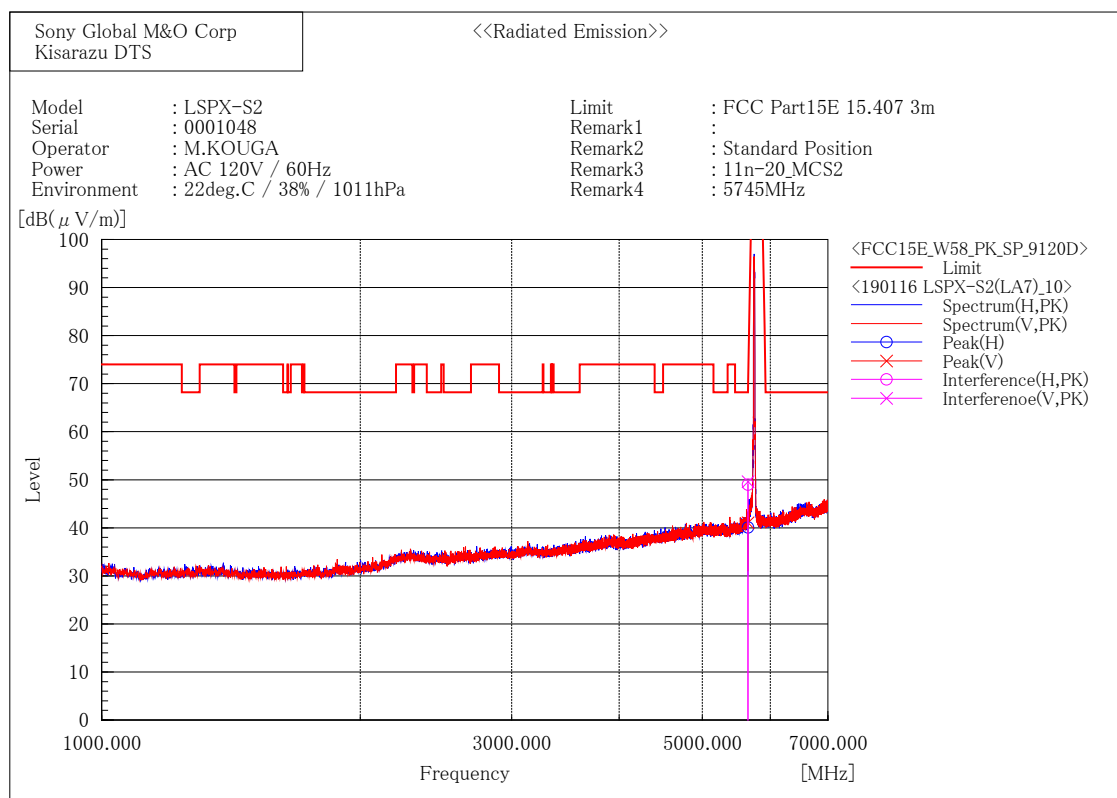
--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5470.000	46.0	0.2	46.2	68.2	22.0	392.5	17.6
2	5725.000	46.1	1.1	47.2	68.2	20.9	346.0	302.0

[802.11n (HT20)/ 5700 MHz]



[802.11n (HT20)/ 5745 MHz]



Final Result

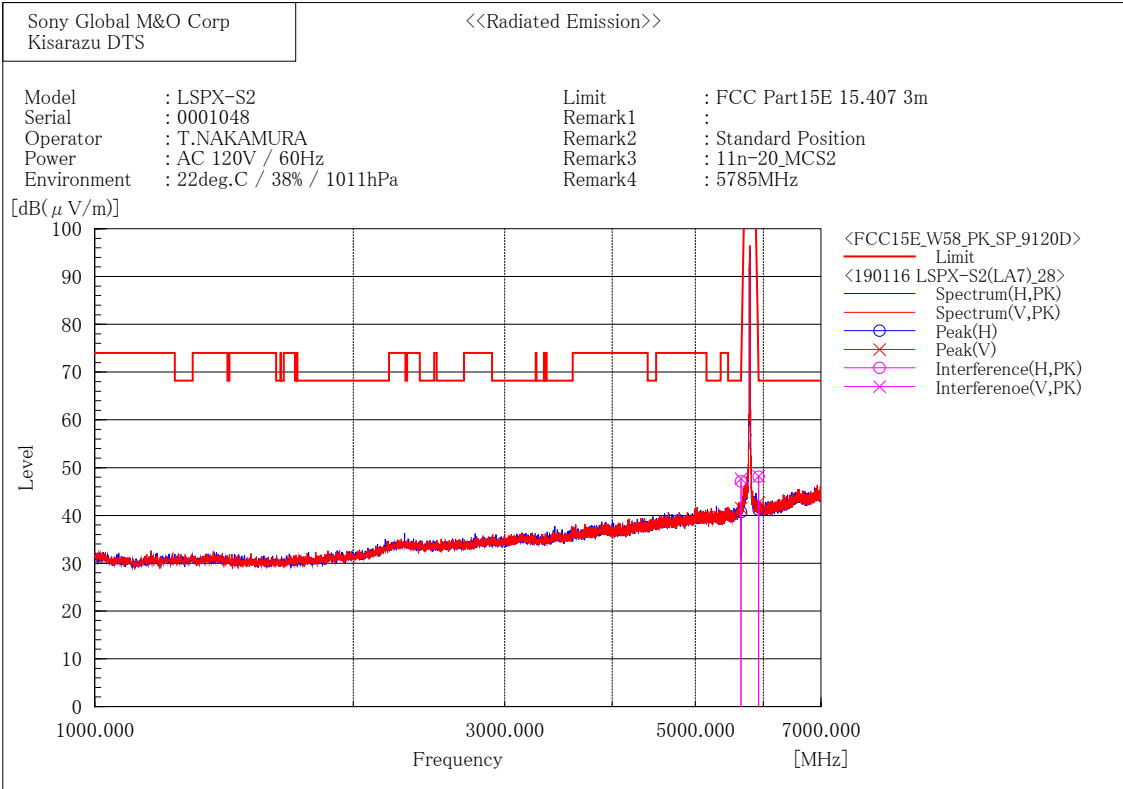
--- Horizontal Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5650.000	48.3	0.7	49.0	68.2	19.2	285.7	35.0

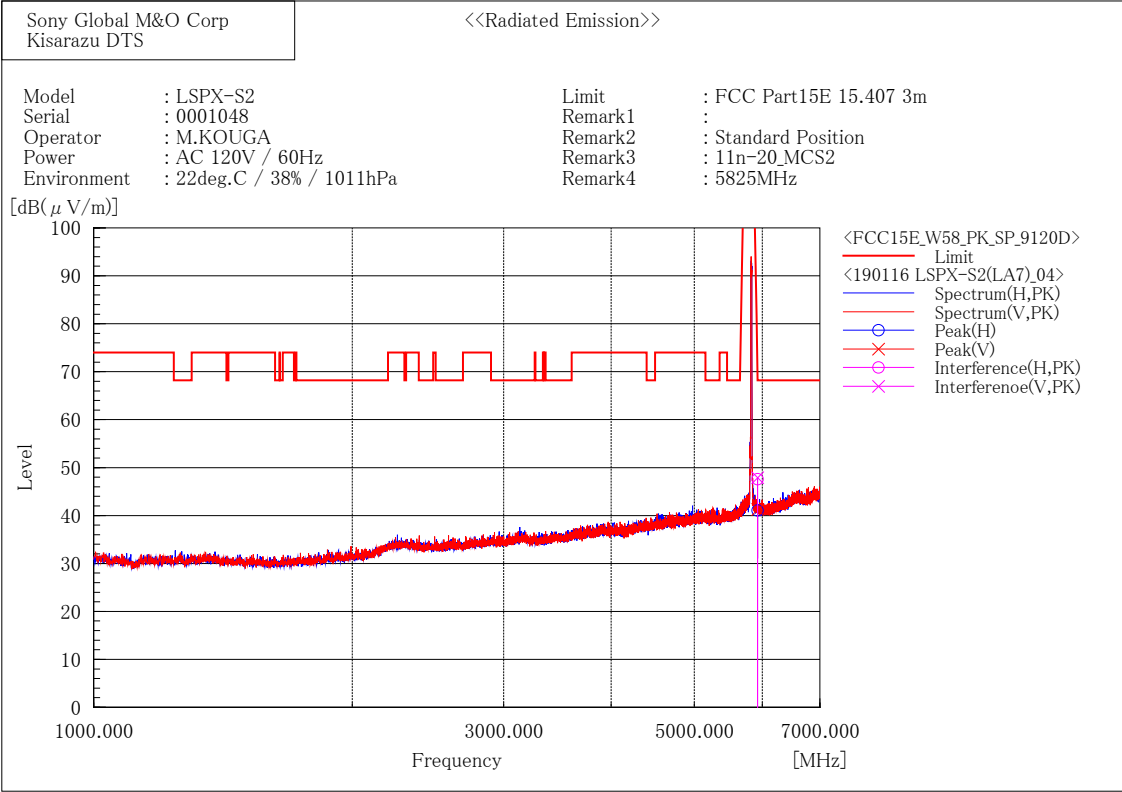
--- Vertical Polarization (PK)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5650.000	48.9	0.7	49.6	68.2	18.6	242.0	263.8

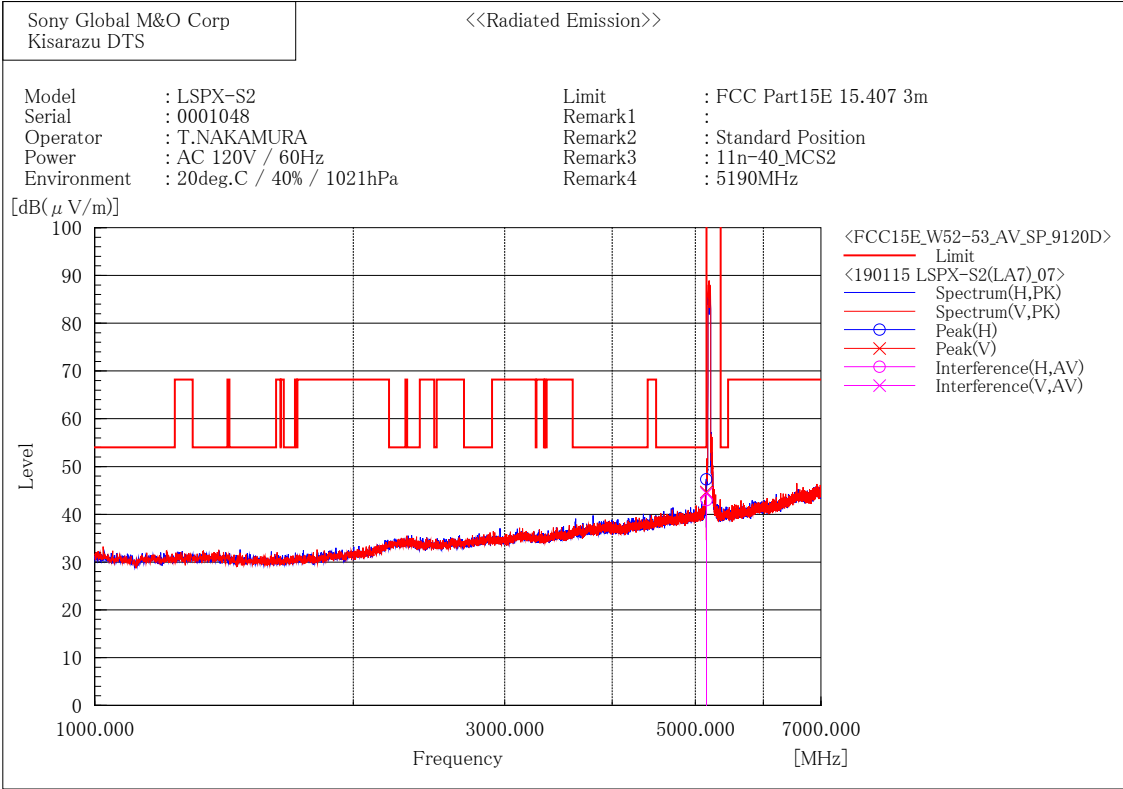
[802.11n (HT20)/ 5785 MHz]



[802.11n (HT20)/ 5825 MHz]



[802.11n (HT40)/ 5190 MHz]



Final Result

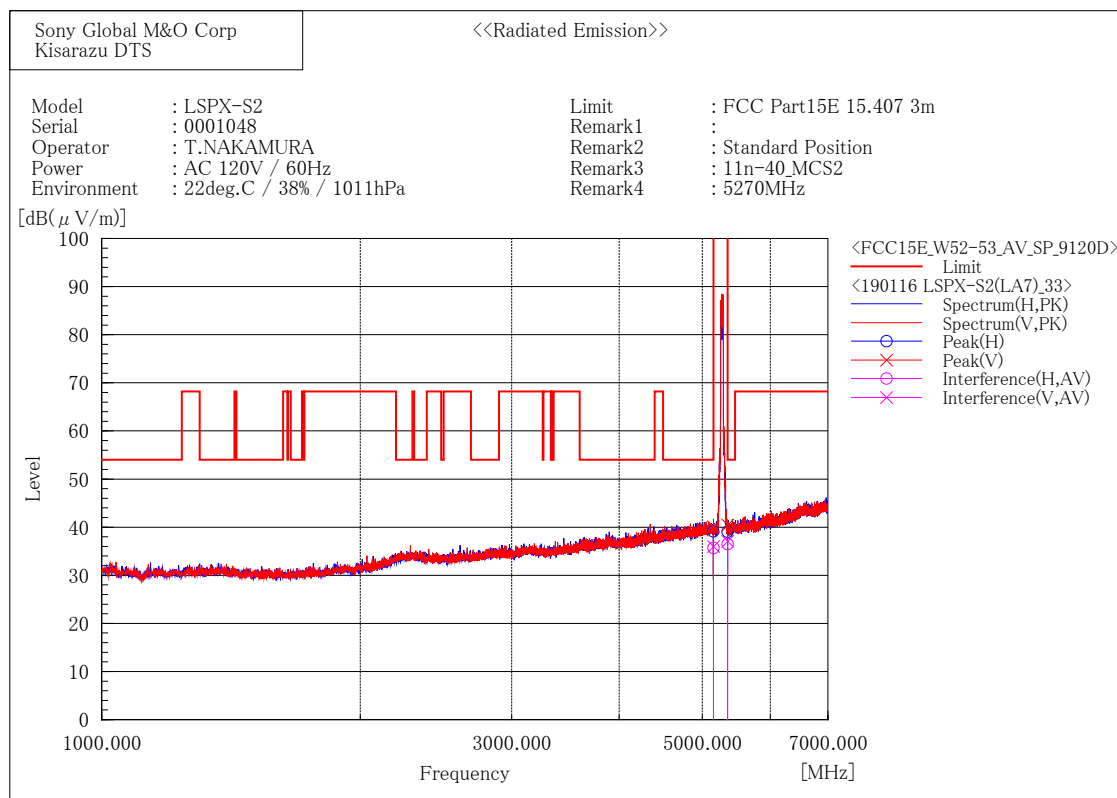
--- Horizontal Polarization (AV)---

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	5150.000	42.8	0.2	43.0	54.0	11.0	297.2	1.0

--- 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	5150.000	44.2	0.2	44.4	54.0	9.6	431.0	302.5

[802.11n (HT40)/ 5270 MHz]



Final Result

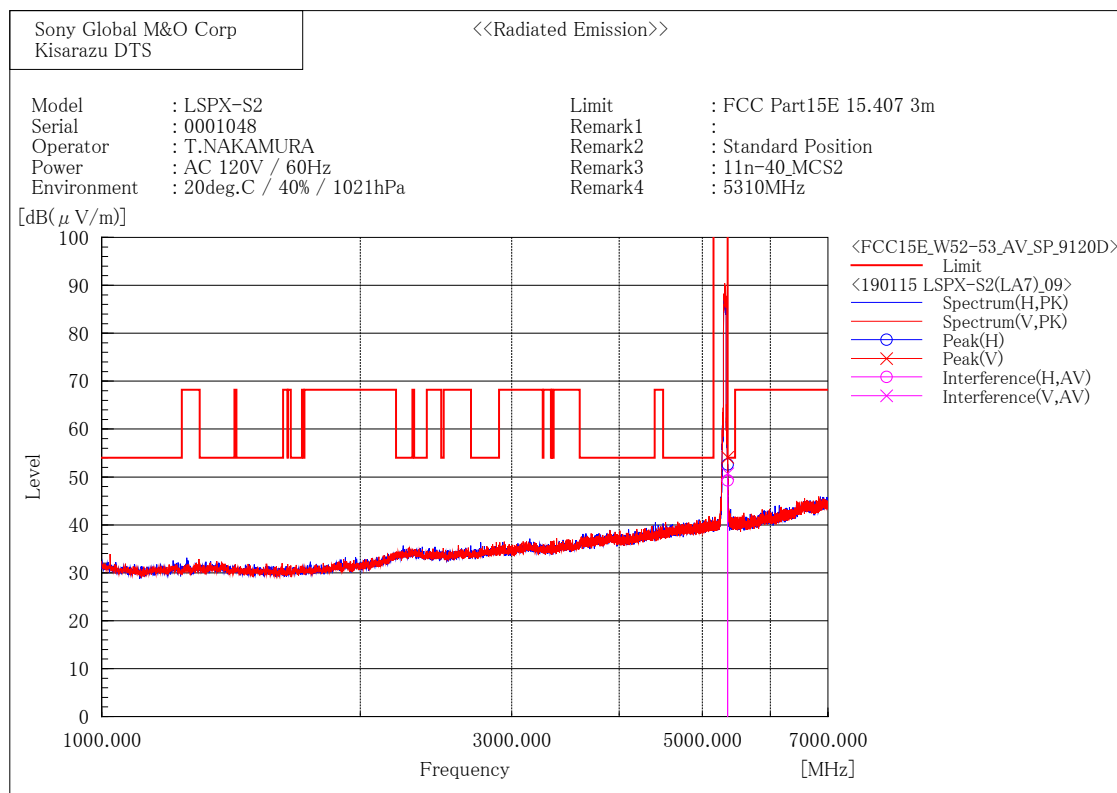
--- Horizontal Polarization (AV)---

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	5150.000	35.5	0.2	35.7	54.0	18.3	338.3	38.6
2	5350.000	36.6	-0.1	36.5	54.0	17.5	279.0	323.4

--- 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	5150.000	35.8	0.2	36.0	54.0	18.0	405.1	243.2
2	5350.000	37.2	-0.1	37.1	54.0	16.9	315.1	280.0

[802.11n (HT40)/ 5310 MHz]



Final Result

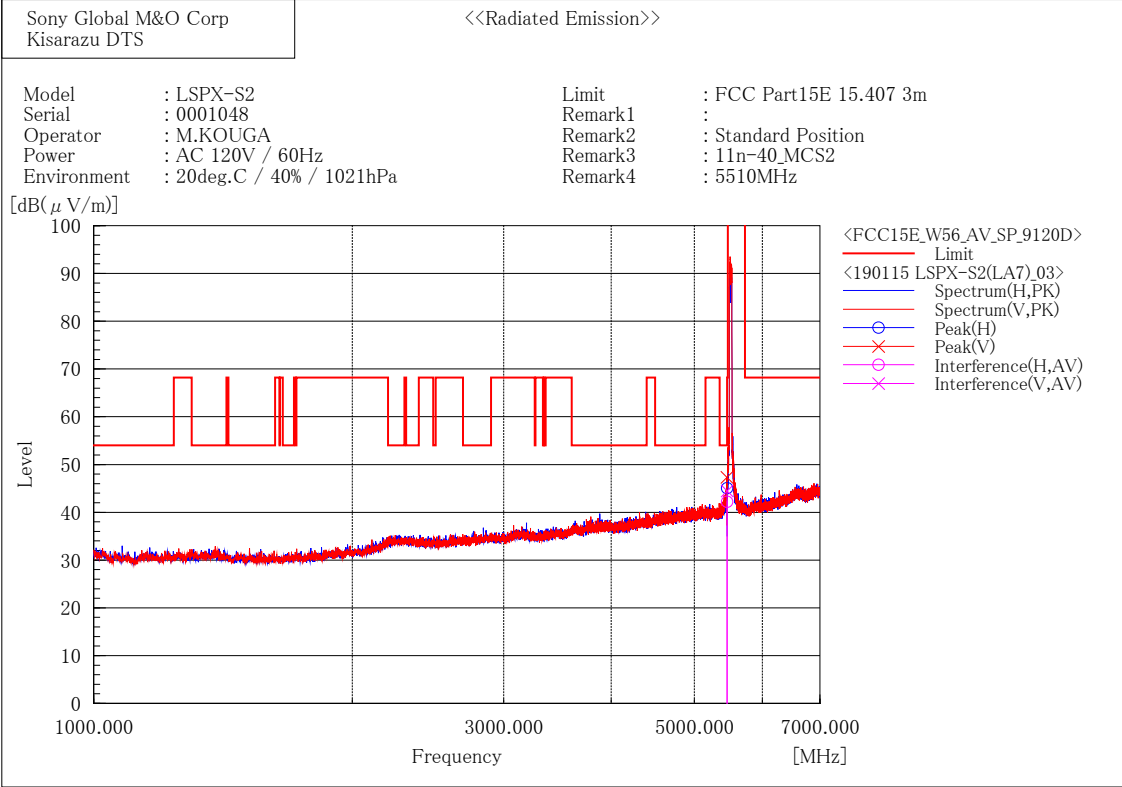
--- Horizontal Polarization (AV) ---

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	5350.000	49.4	-0.1	49.3	54.0	4.7	261.2	324.7

--- 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	5350.000	50.8	-0.1	50.7	54.0	3.3	414.9	276.5

[802.11n (HT40)/ 5510 MHz]



Final Result

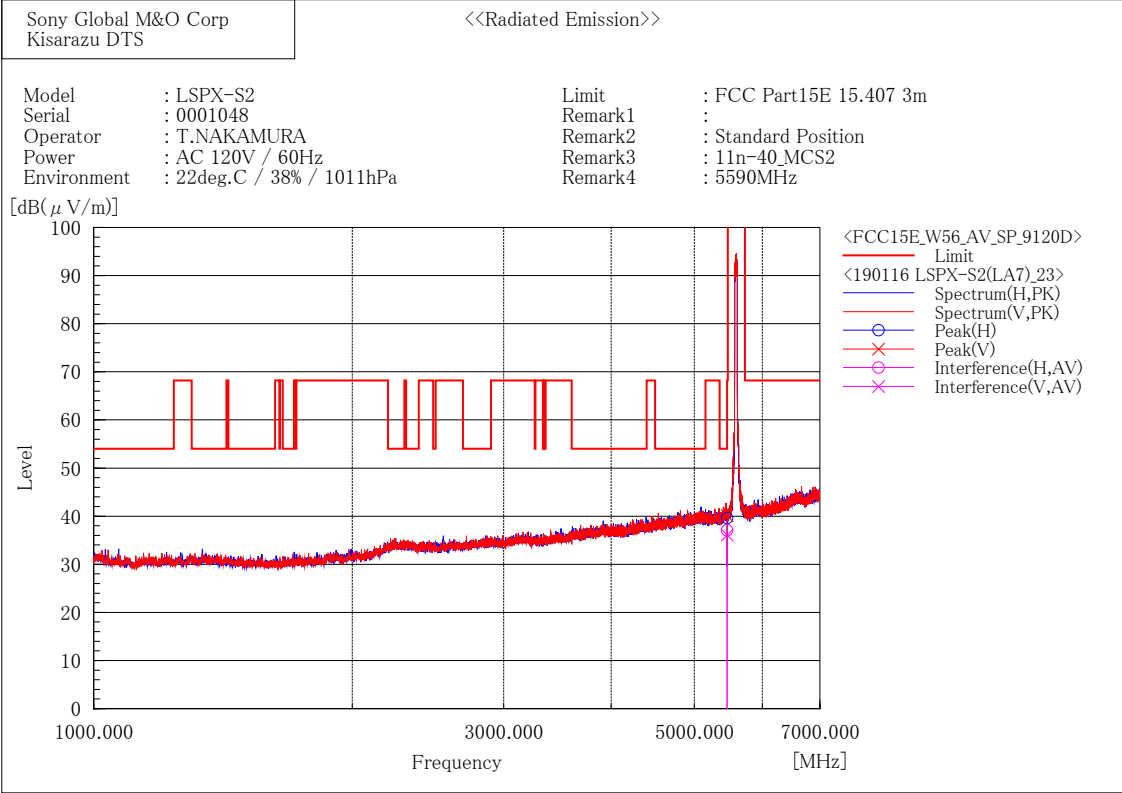
--- Horizontal Polarization (AV)---

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	5460.000	42.0	0.2	42.2	54.0	11.8	311.4	29.0

--- 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	5460.000	44.3	0.2	44.5	54.0	9.5	362.0	270.0

[802.11n (HT40)/ 5590 MHz]



Final Result

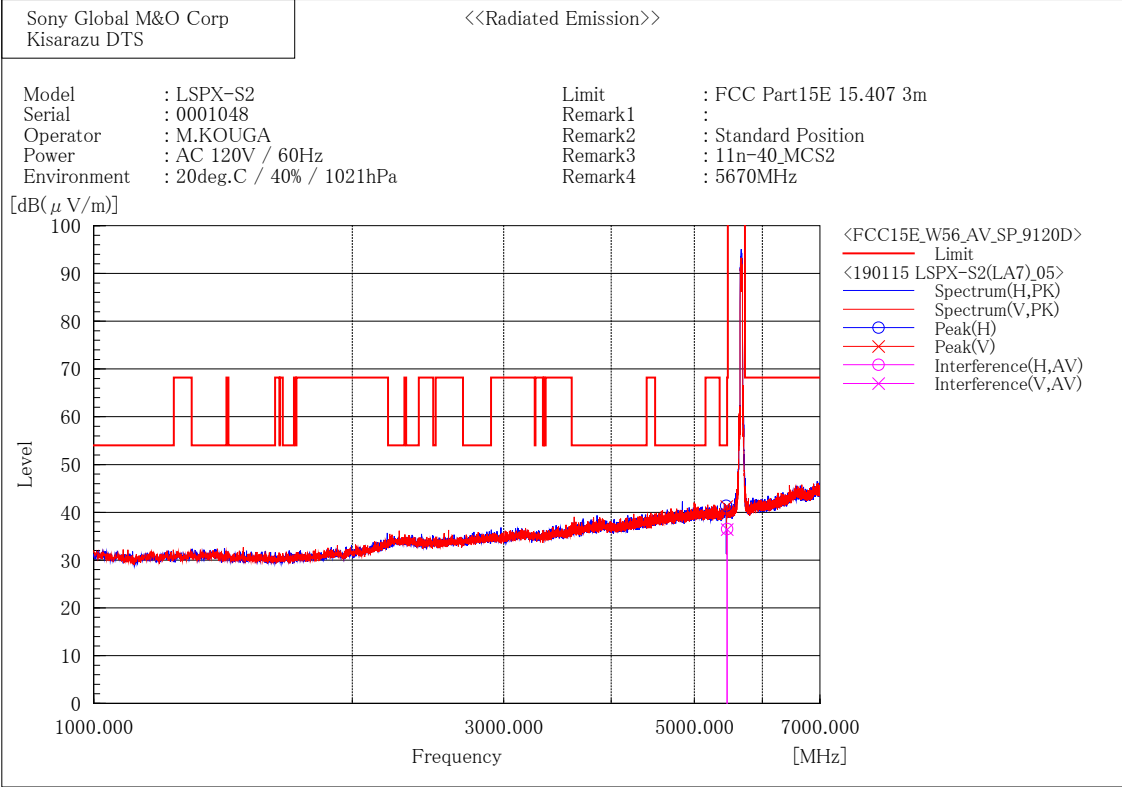
--- Horizontal Polarization (AV) ---

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	5460.000	36.9	0.2	37.1	54.0	16.9	282.0	306.0

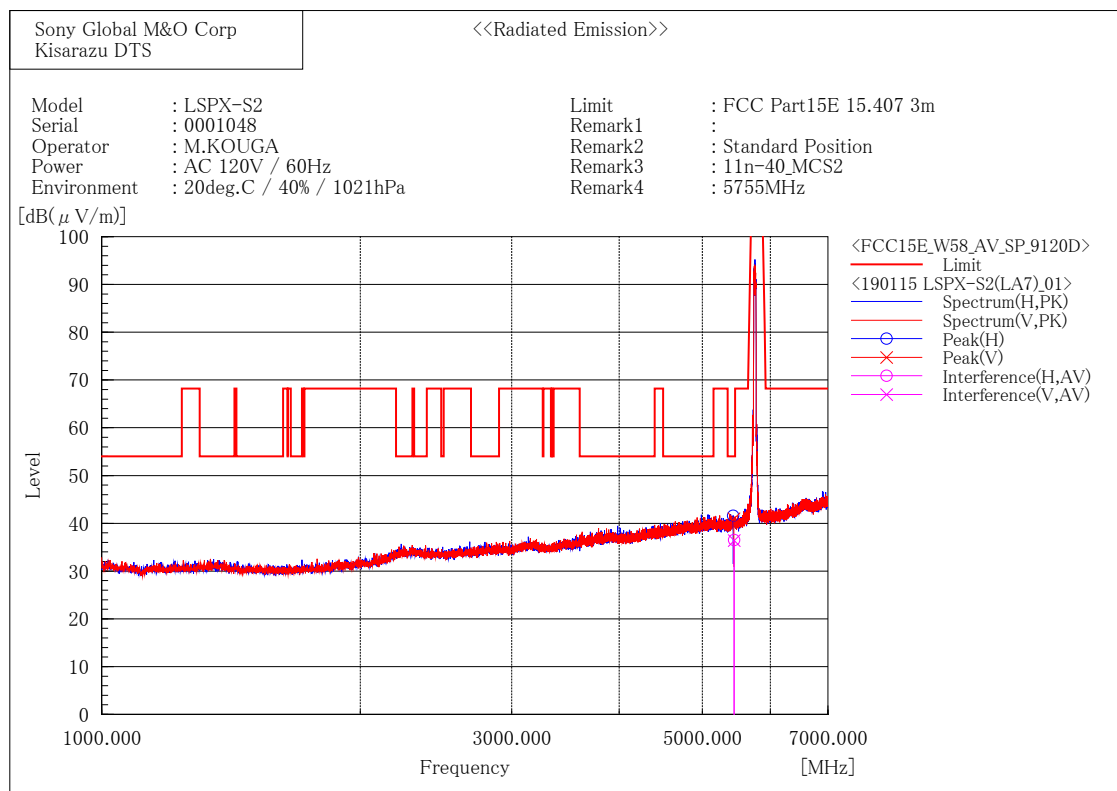
--- Vertical Polarization (AV) ---

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	5460.000	35.9	0.2	36.1	54.0	18.0	332.5	291.2

[802.11n (HT40)/ 5670 MHz]



[802.11n (HT40)/ 5755 MHz]



Final Result

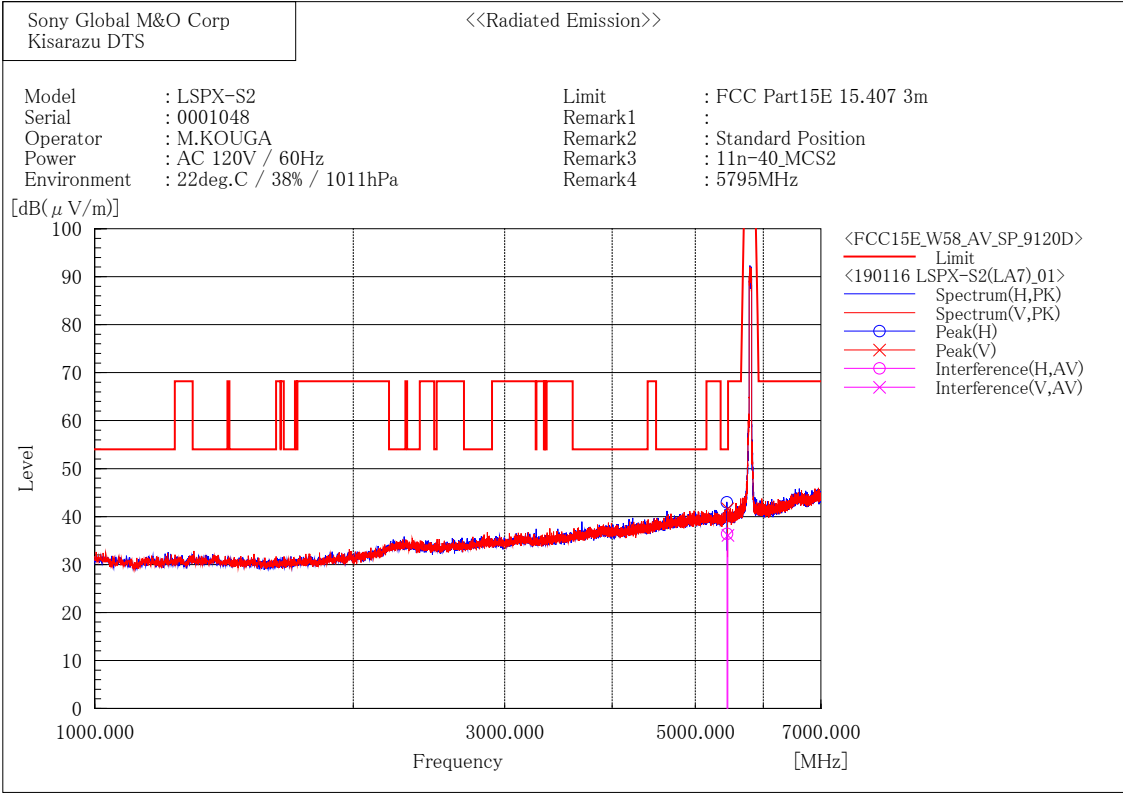
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5443.397	36.4	0.1	36.5	54.0	17.5	330.0	169.0

--- Vertical Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	5445.053	36.3	0.1	36.4	54.0	17.6	190.0	84.0

[802.11n (HT40)/ 5795 MHz]



Final Result

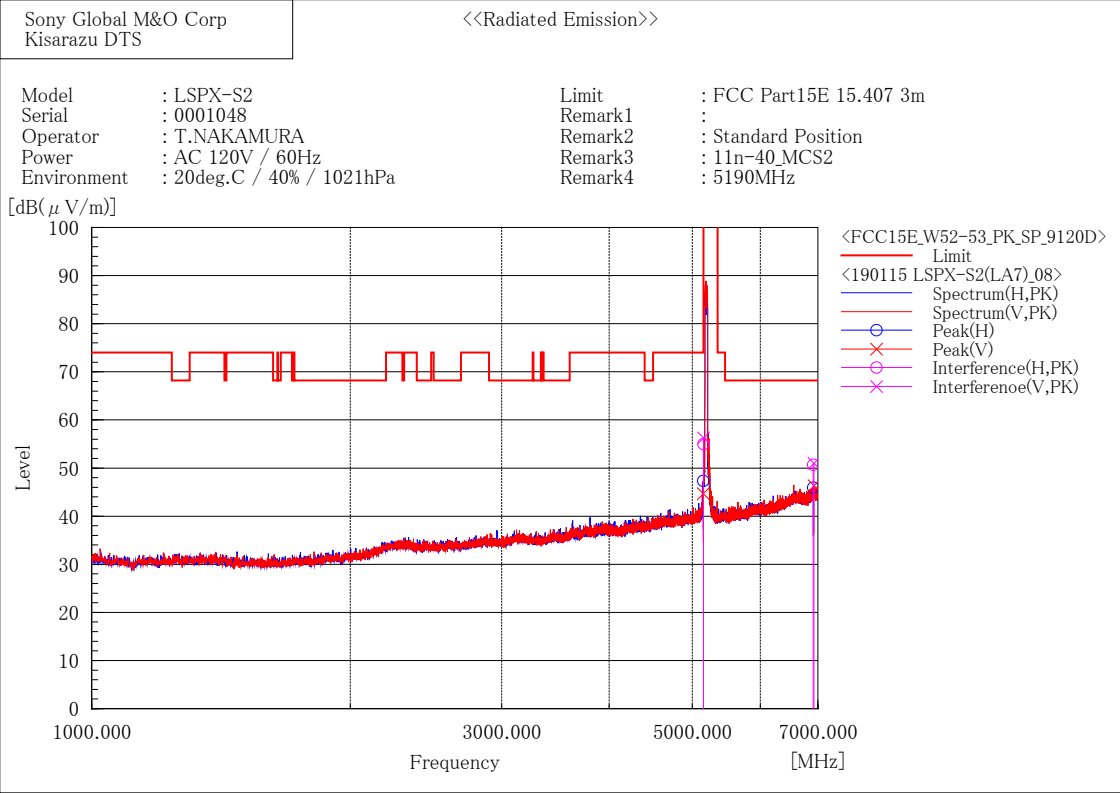
--- Horizontal Polarization (AV)---

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	5445.253	36.3	0.1	36.4	54.0	17.6	244.2	263.0

--- 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	5455.802	35.9	0.2	36.1	54.0	17.9	160.0	30.0

[802.11n (HT40)/ 5190 MHz]



Final Result

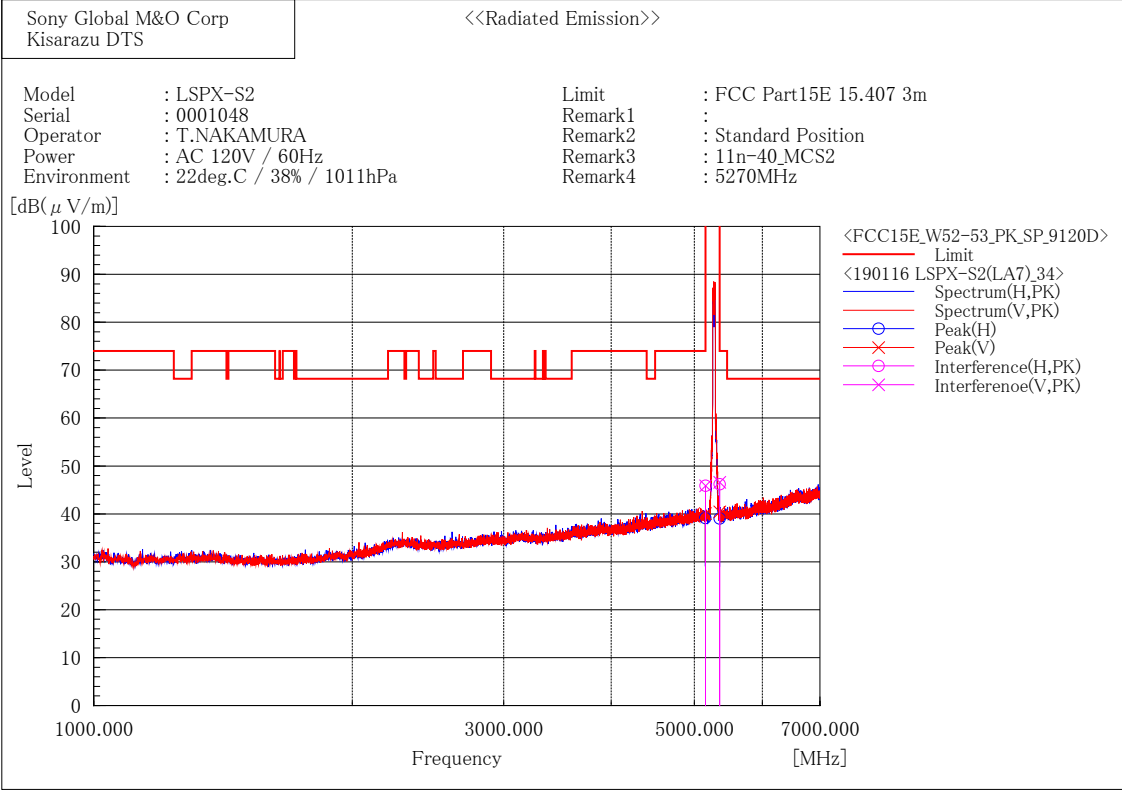
--- Horizontal Polarization (PK)---

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	5150.000	54.8	0.2	55.0	74.0	19.0	299.7	356.3
2	6912.758	45.0	5.7	50.7	68.2	17.5	256.5	126.8

--- 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	5150.000	56.1	0.2	56.3	74.0	17.7	431.0	300.0
2	6925.244	45.3	5.7	51.0	68.2	17.2	108.5	202.0

[802.11n (HT40)/ 5270 MHz]



Final Result

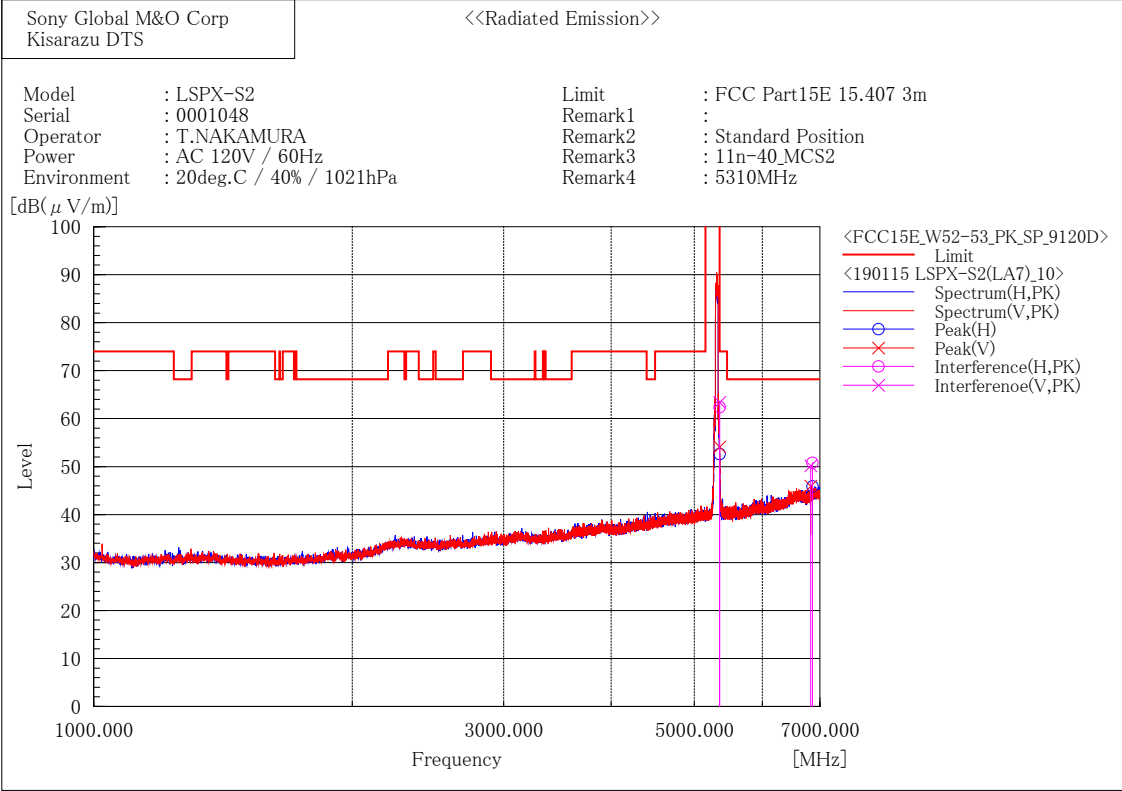
--- Horizontal Polarization (PK) ---

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	5150.000	45.7	0.2	45.9	74.0	28.1	338.2	39.0
2	5350.000	46.3	-0.1	46.2	74.0	27.8	278.0	324.0

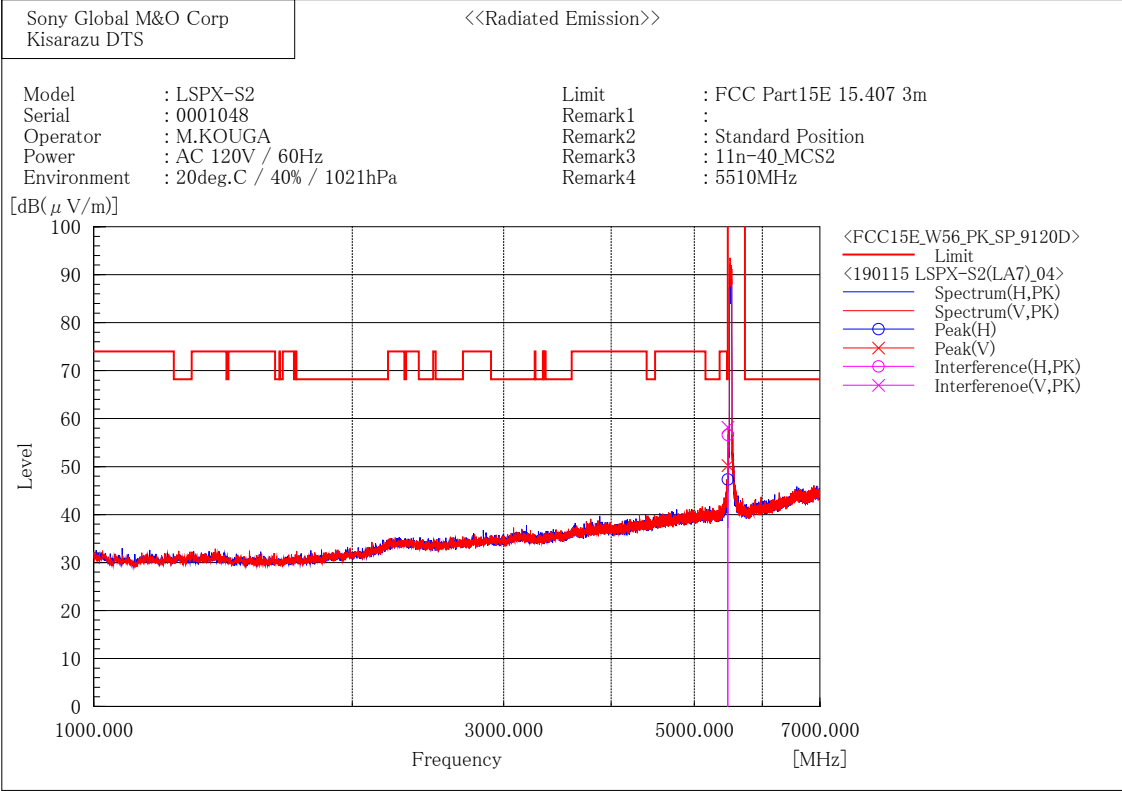
--- Vertical Polarization (PK) ---

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	5150.000	45.7	0.2	45.9	74.0	28.1	404.0	244.1
2	5350.000	46.7	-0.1	46.6	74.0	27.4	314.0	281.0

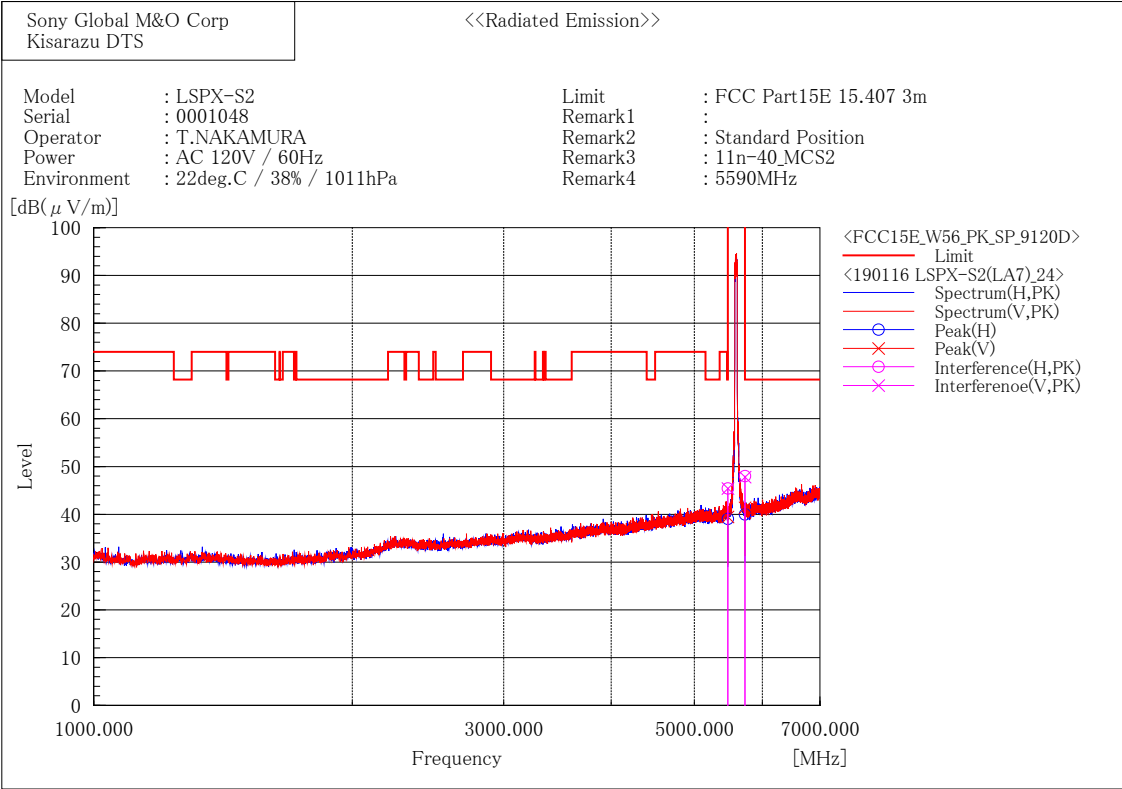
[802.11n (HT40)/ 5310 MHz]



[802.11n (HT40)/ 5510 MHz]



[802.11n (HT40)/ 5590 MHz]



Final Result

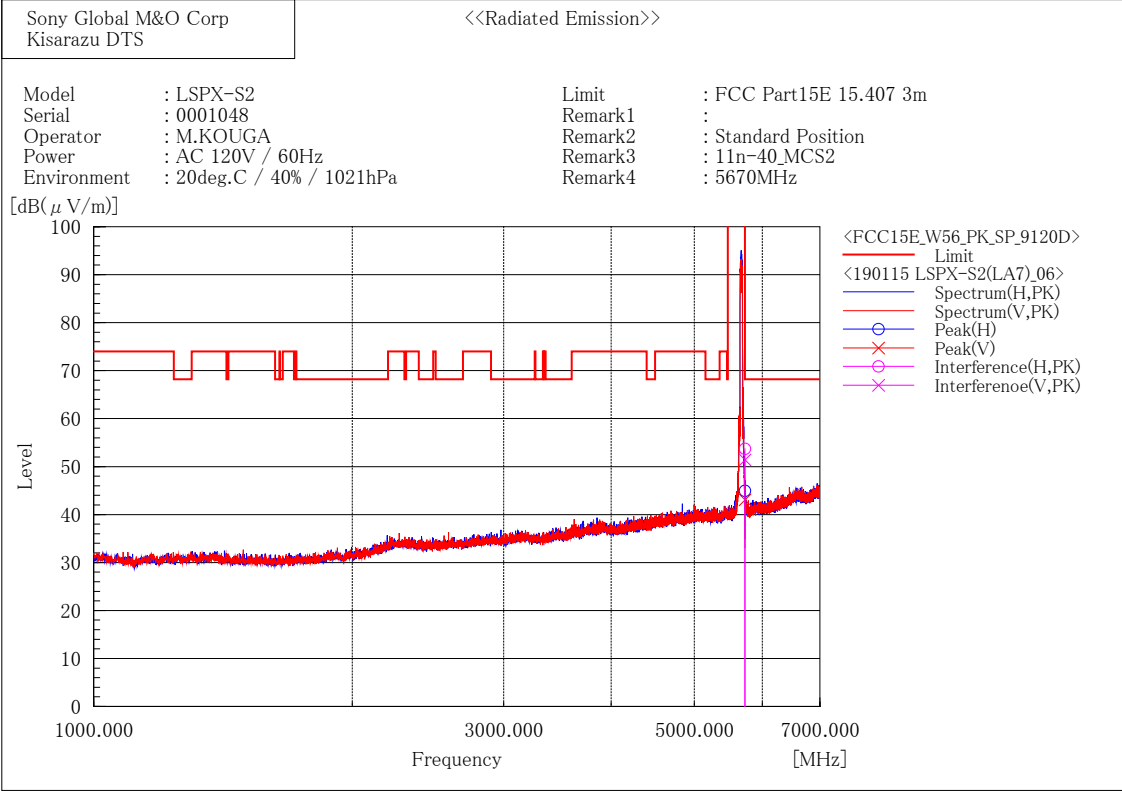
--- Horizontal Polarization (PK)---

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	5470.000	45.2	0.2	45.4	68.2	22.8	301.8	199.8
2	5725.000	46.9	1.1	48.0	68.2	20.2	327.7	19.6

--- 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	5470.000	45.2	0.2	45.4	68.2	22.8	389.5	13.0
2	5725.000	46.7	1.1	47.8	68.2	20.4	344.4	300.3

[802.11n (HT40)/ 5670 MHz]



Final Result

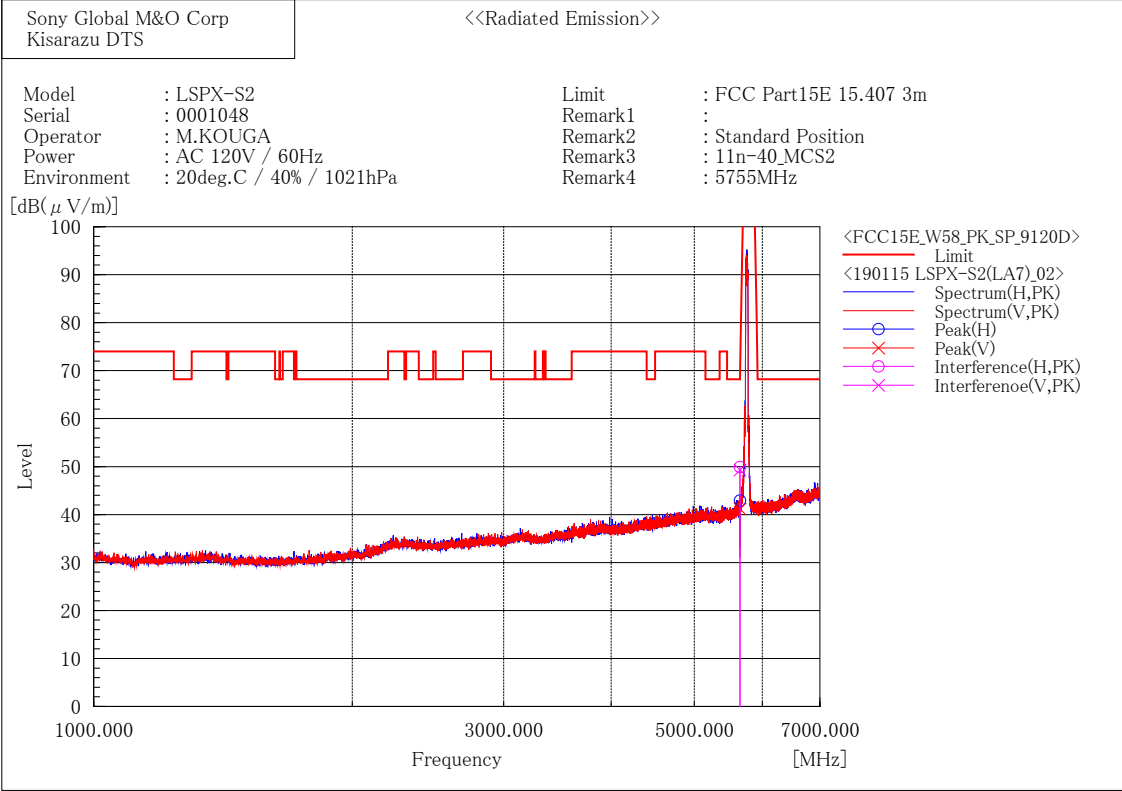
--- Horizontal Polarization (PK) ---

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	5725.000	52.6	1.1	53.7	68.2	14.5	331.0	35.0

--- 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	5727.500	50.3	1.1	51.4	68.2	16.8	328.0	305.0

[802.11n (HT40)/ 5755 MHz]



Final Result

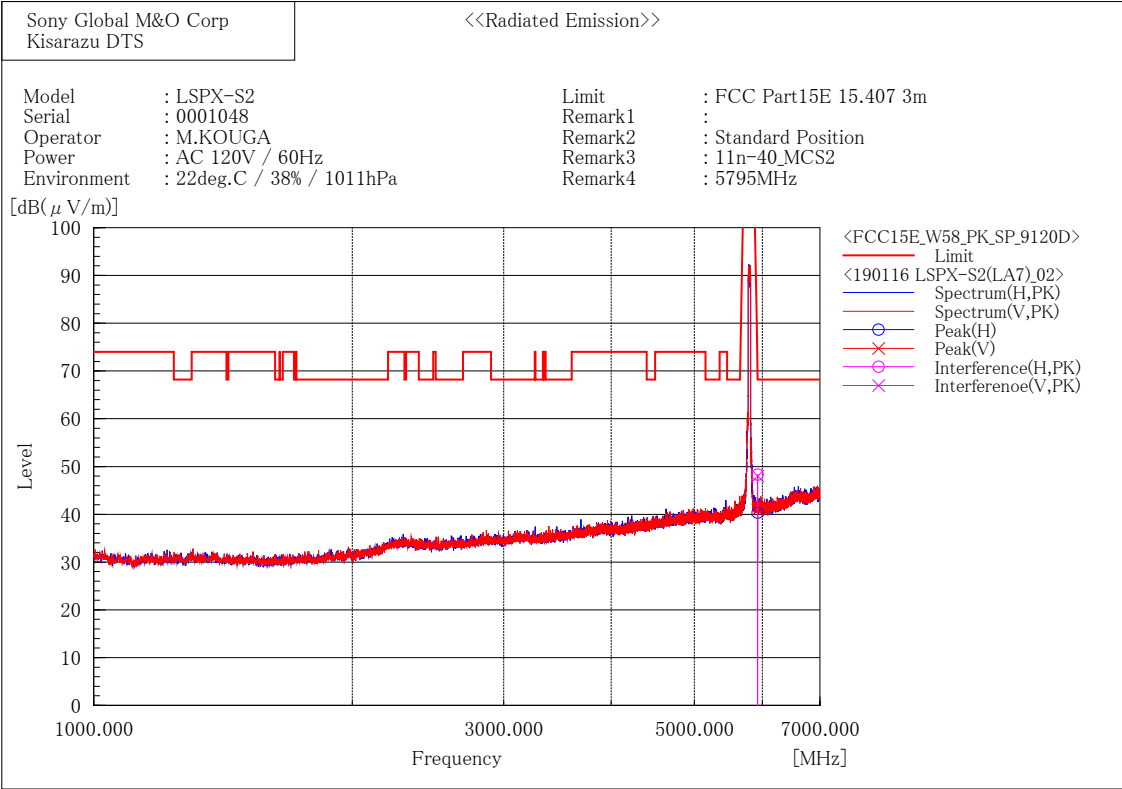
--- Horizontal Polarization (PK) ---

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	5650.000	49.2	0.7	49.9	68.2	18.3	312.0	14.0

--- 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	5650.000	48.6	0.7	49.3	68.2	18.9	266.0	273.0

[802.11n (HT40)/ 5795 MHz]



Final Result

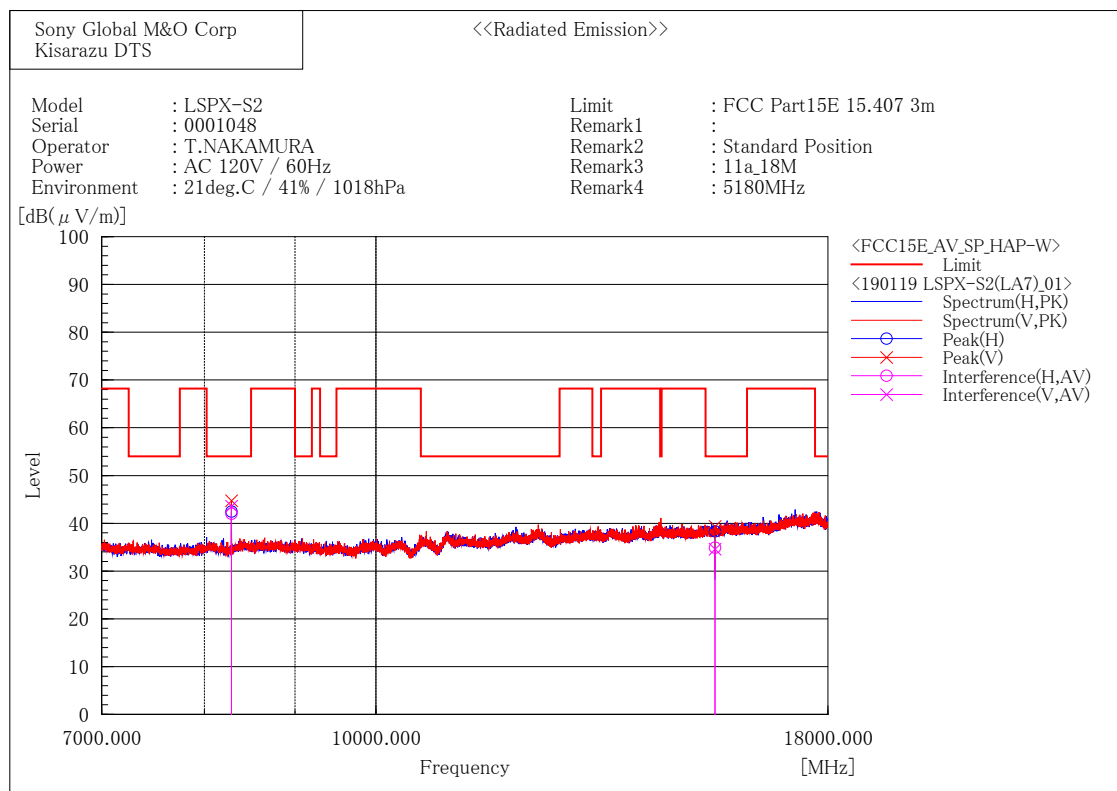
--- Horizontal Polarization (PK) ---

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	5925.000	46.2	2.1	48.3	68.2	19.9	374.0	328.0

--- 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	5925.000	45.9	2.1	48.0	68.2	20.2	194.0	255.0

7 GHz to 18 GHz
[802.11a/ 5180 MHz]



Final Result

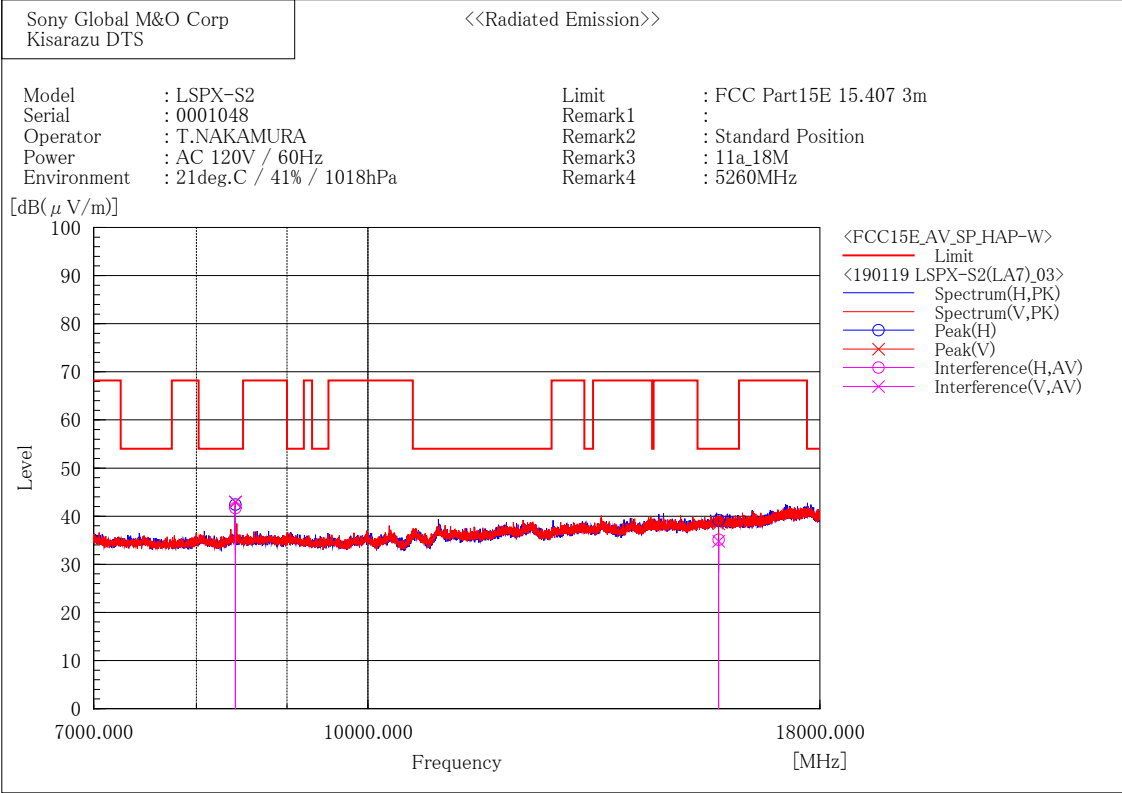
--- Horizontal Polarization (AV) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	8288.028	49.2	-7.2	42.0	54.0	12.0	286.3	333.7
2	15540.000	38.1	-3.2	34.9	54.0	19.1	263.0	268.9

--- Vertical Polarization (AV) ---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	8288.014	50.8	-7.2	43.6	54.0	10.4	333.2	300.1
2	15540.000	37.8	-3.2	34.6	54.0	19.4	100.0	52.8

[802.11a/ 5260 MHz]



Final Result

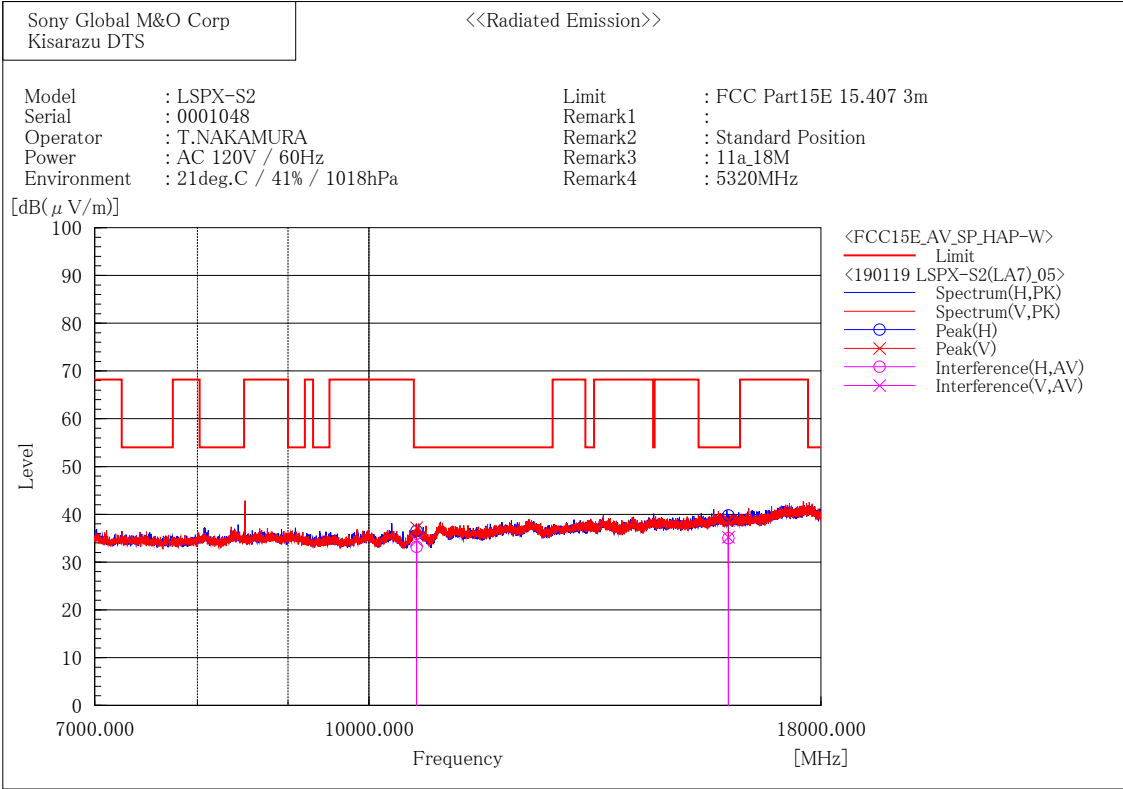
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	8415.865	48.5	-6.8	41.7	54.0	12.3	431.0	235.0
2	15780.000	37.4	-2.3	35.1	54.0	18.9	421.5	41.6

--- Vertical Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c.f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	8415.951	49.8	-6.8	43.0	54.0	11.0	336.4	295.6
2	15780.000	37.1	-2.3	34.8	54.0	19.2	336.0	296.1

[802.11a/ 5320 MHz]



Final Result

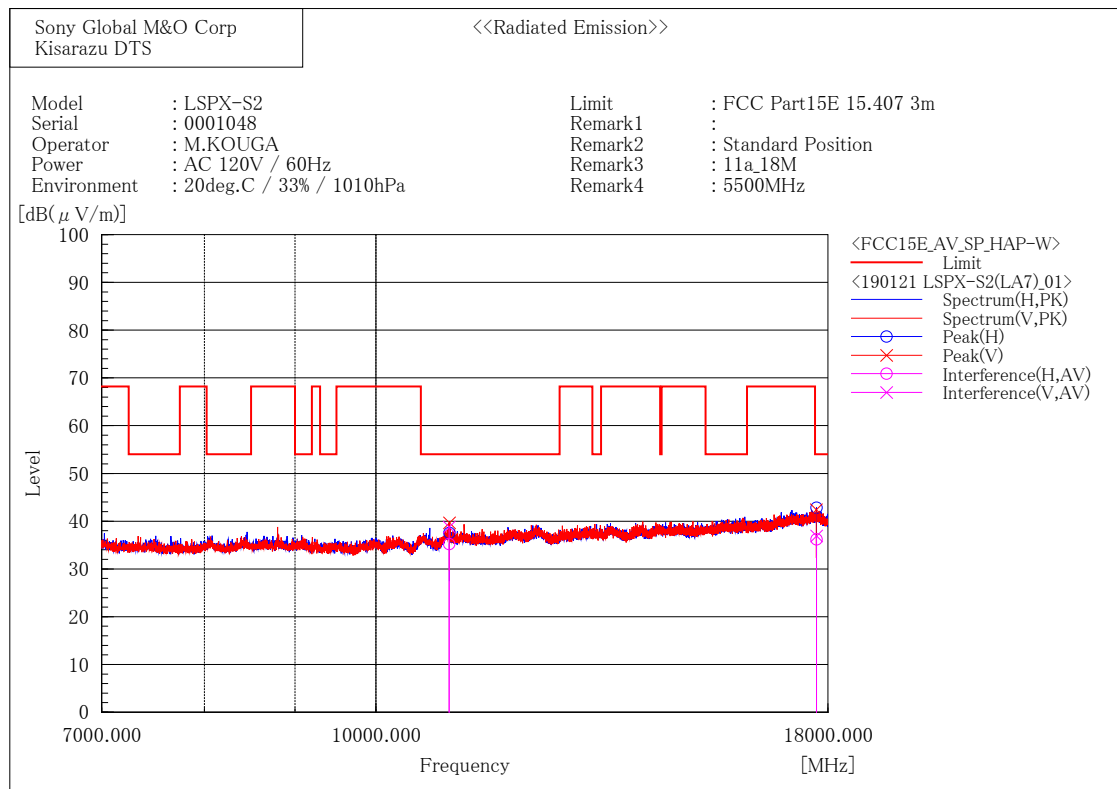
--- Horizontal Polarization (AV) ---

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	10640.000	37.9	-4.7	33.2	54.0	20.8	304.0	149.2
2	15960.000	37.5	-2.5	35.0	54.0	19.0	375.6	30.0

--- 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	10640.000	39.2	-4.7	34.5	54.0	19.5	100.0	20.2
2	15960.000	37.7	-2.5	35.2	54.0	18.8	124.9	241.0

[802.11a/ 5500 MHz]



Final Result

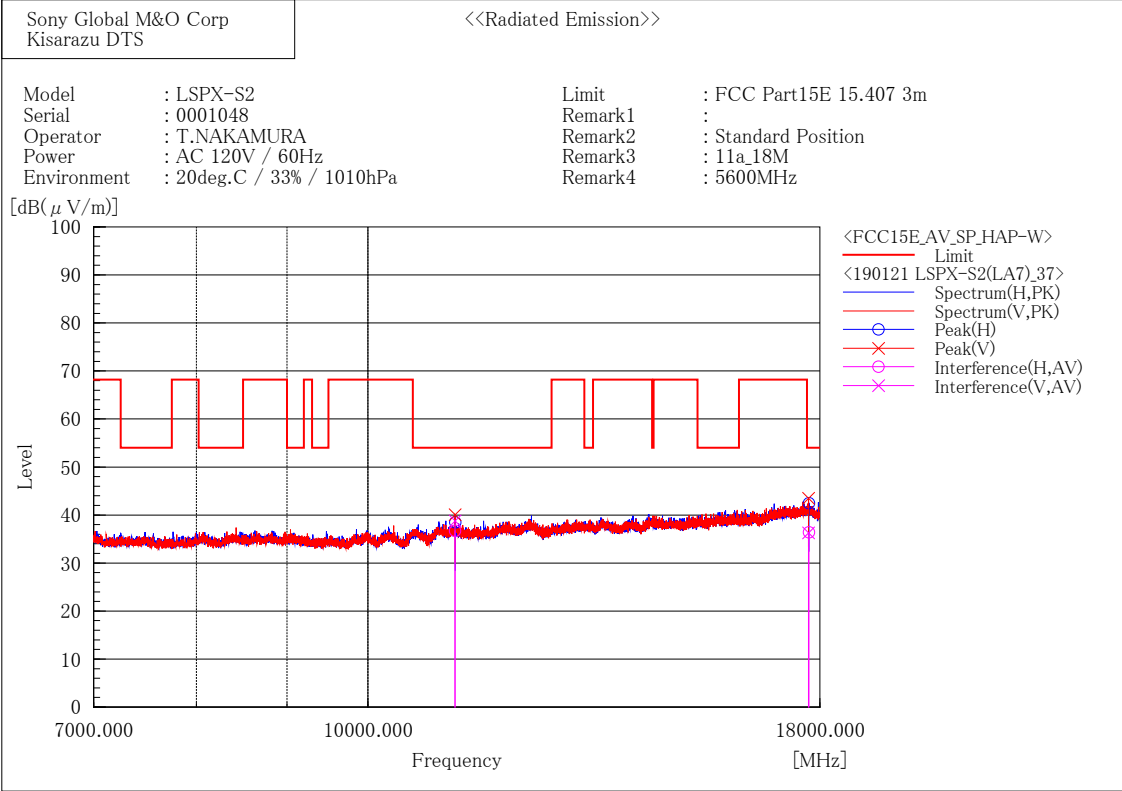
--- Horizontal Polarization (AV)---

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	11000.156	39.3	-4.1	35.2	54.0	18.8	100.0	189.3
2	17736.684	36.1	0.1	36.2	54.0	17.8	254.0	140.0

--- 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	11000.140	42.9	-4.1	38.8	54.0	15.2	100.0	48.0
2	17731.954	36.7	0.2	36.9	54.0	17.1	290.0	58.0

[802.11a/ 5600 MHz]



Final Result

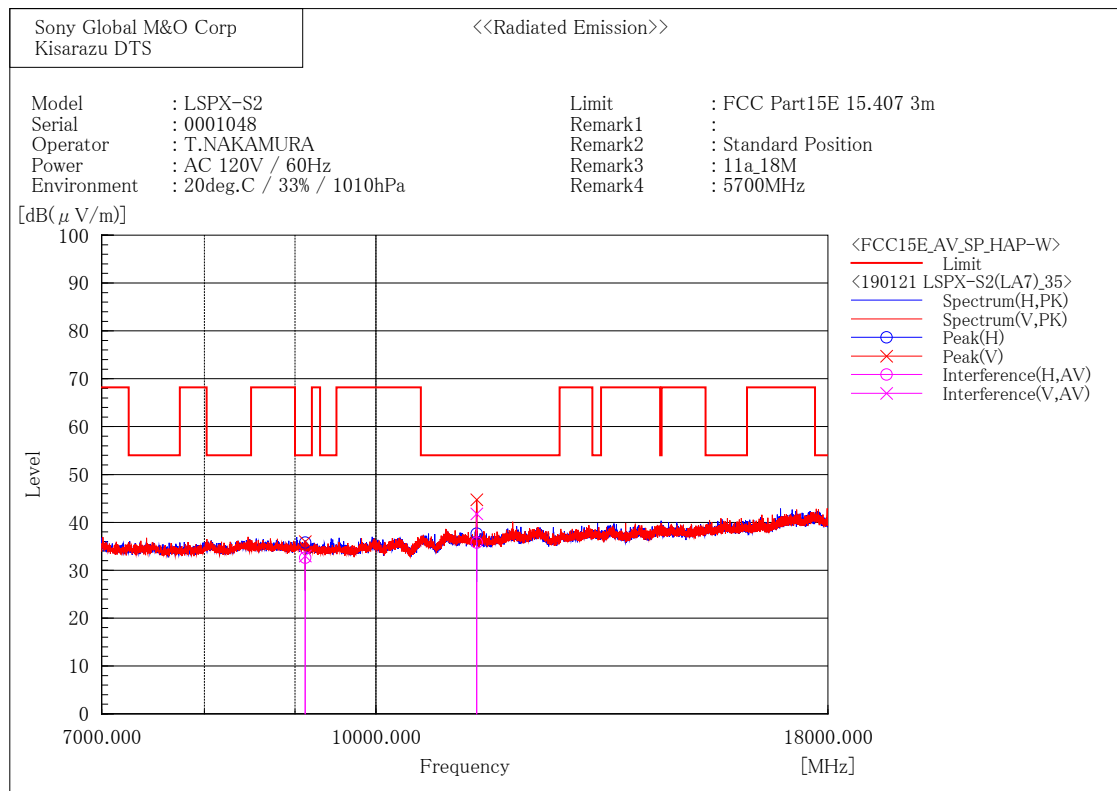
--- Horizontal Polarization (AV) ---

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	11200.030	40.3	-3.6	36.7	54.0	17.3	100.0	287.7
2	17745.430	36.3	0.1	36.4	54.0	17.6	342.5	293.8

--- 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	11200.010	42.4	-3.6	38.8	54.0	15.2	100.0	276.9
2	17737.570	36.2	0.1	36.3	54.0	17.7	397.7	21.2

[802.11a/ 5700 MHz]



Final Result

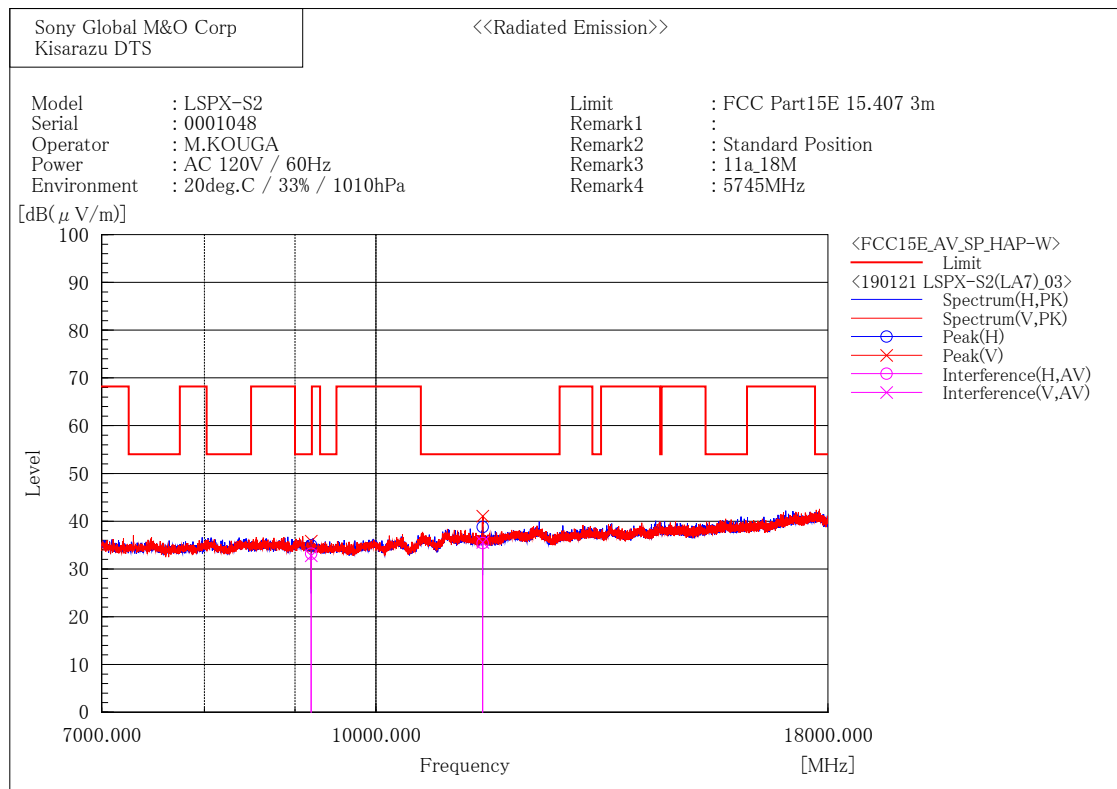
--- Horizontal Polarization (AV) ---

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	9120.029	38.7	-6.1	32.6	54.0	21.4	330.7	62.0
2	11400.007	40.3	-4.5	35.8	54.0	18.2	100.0	4.2

--- 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	9120.034	39.1	-6.1	33.0	54.0	21.0	410.2	313.5
2	11400.120	46.3	-4.5	41.8	54.0	12.2	100.0	71.7

[802.11a/ 5745 MHz]



Final Result

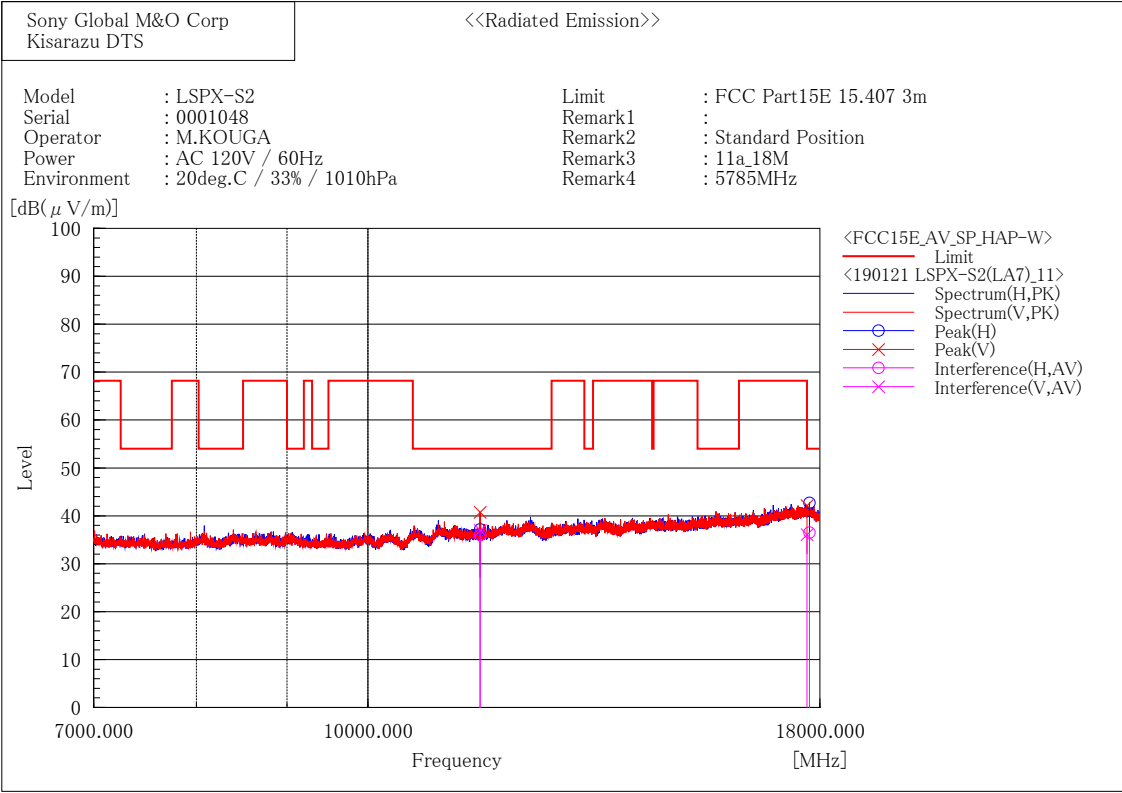
--- Horizontal Polarization (AV)---

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	9192.083	39.4	-6.2	33.2	54.0	20.8	331.0	55.0
2	11489.930	40.3	-4.9	35.4	54.0	18.6	100.0	336.0

--- 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	9192.088	39.0	-6.2	32.8	54.0	21.2	100.0	25.0
2	11490.124	40.5	-4.9	35.6	54.0	18.4	105.0	24.0

[802.11a/ 5785 MHz]



Final Result

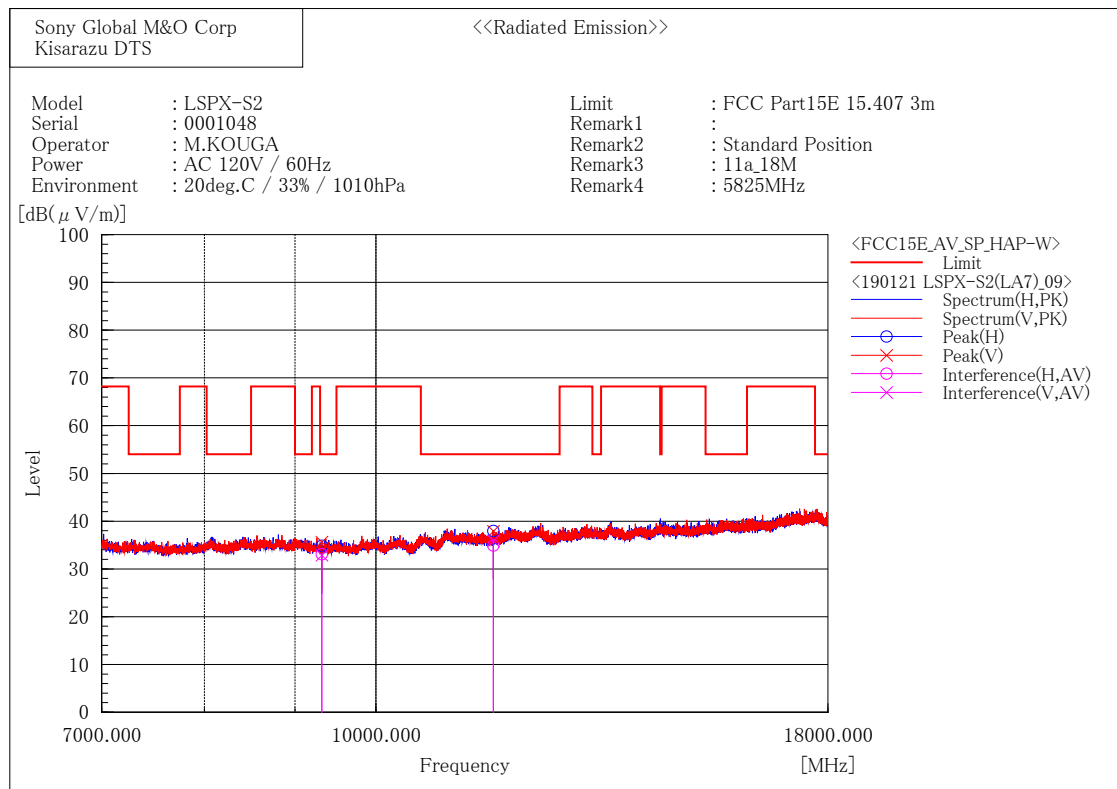
--- Horizontal Polarization (AV) ---

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	11570.047	41.0	-5.0	36.0	54.0	18.0	100.0	359.0
2	17756.812	36.4	0.1	36.5	54.0	17.5	378.0	323.0

--- 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	11570.111	42.0	-5.0	37.0	54.0	17.0	100.0	35.0
2	17702.224	35.8	0.3	36.1	54.0	17.9	100.0	18.0

[802.11a/ 5825 MHz]



Final Result

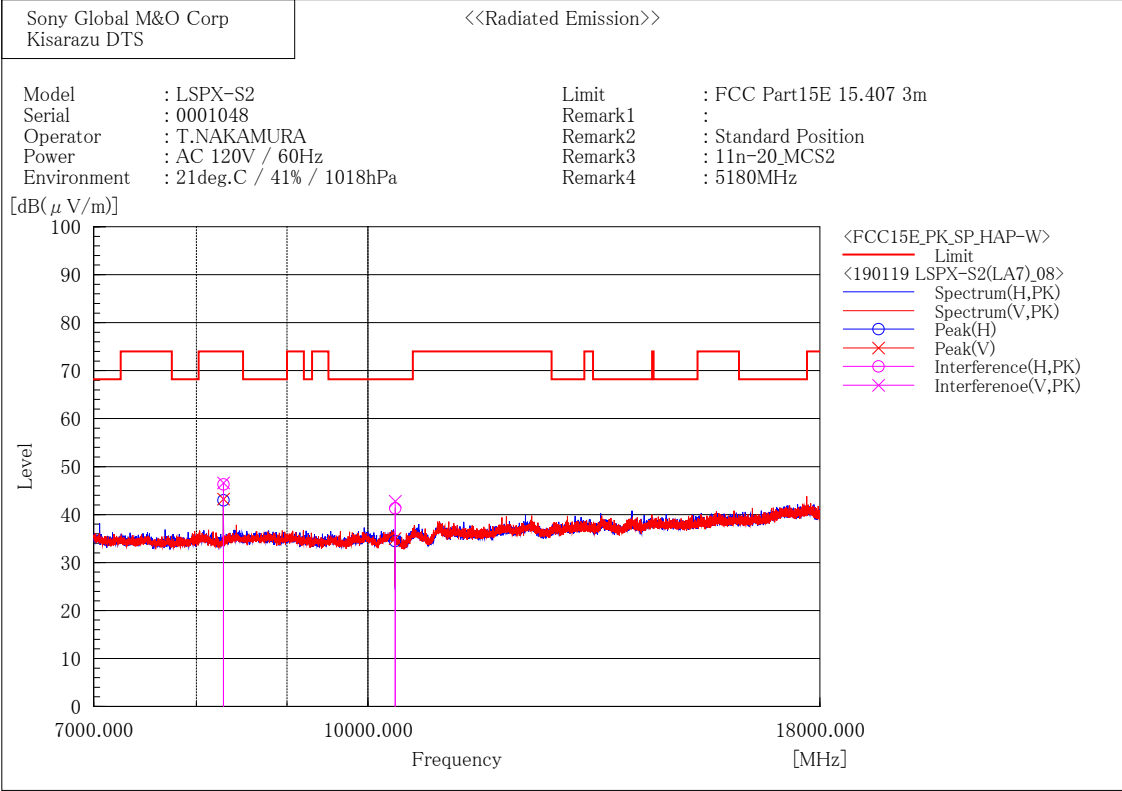
--- Horizontal Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	9320.067	39.3	-6.2	33.1	54.0	20.9	364.5	59.0
2	11649.822	39.9	-5.0	34.9	54.0	19.1	100.0	0.0

--- Vertical Polarization (AV)---

No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	9320.100	39.1	-6.2	32.9	54.0	21.1	101.0	28.0
2	11650.080	40.9	-5.0	35.9	54.0	18.1	100.0	6.0

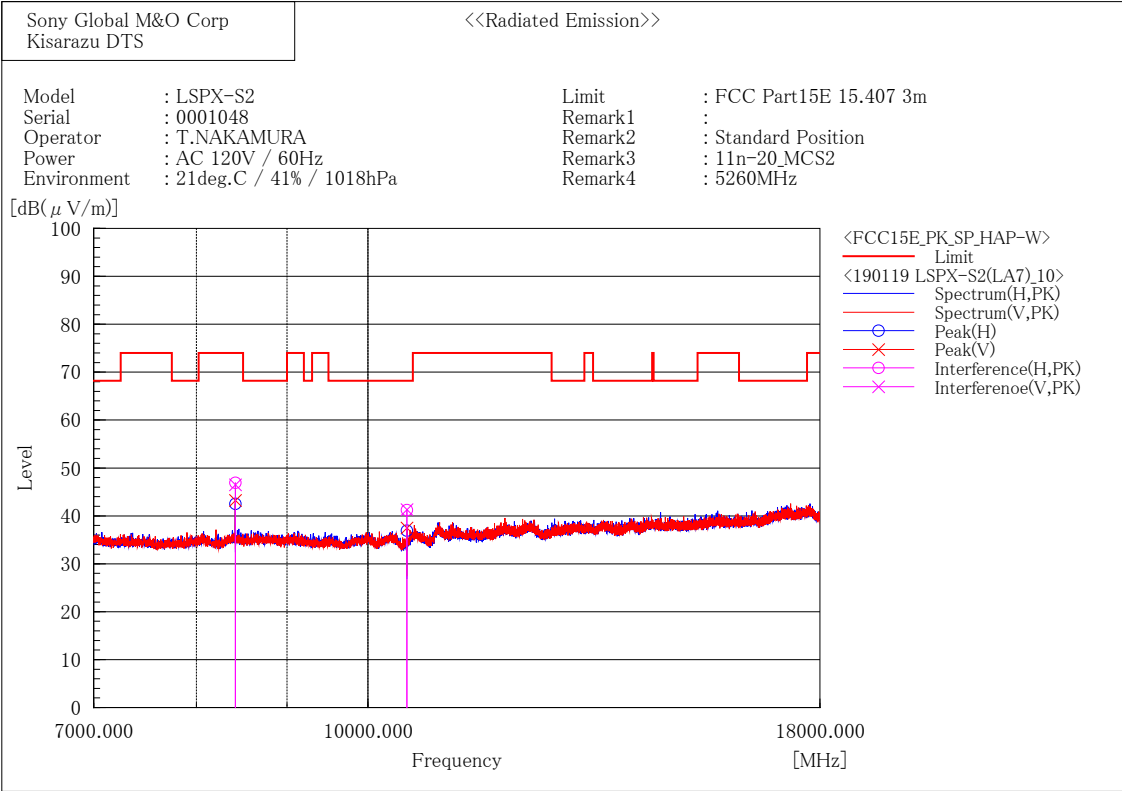
[802.11a/ 5180 MHz]



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	8288.199	53.5	-7.2	46.3	74.0	27.7	431.0	262.1
2	10360.000	46.2	-4.9	41.3	68.2	26.9	100.0	355.5
--- 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	8288.007	53.8	-7.2	46.6	74.0	27.4	337.2	302.7
2	10360.000	47.7	-4.9	42.8	68.2	25.4	100.0	27.3

[802.11a/ 5260 MHz]



Final Result

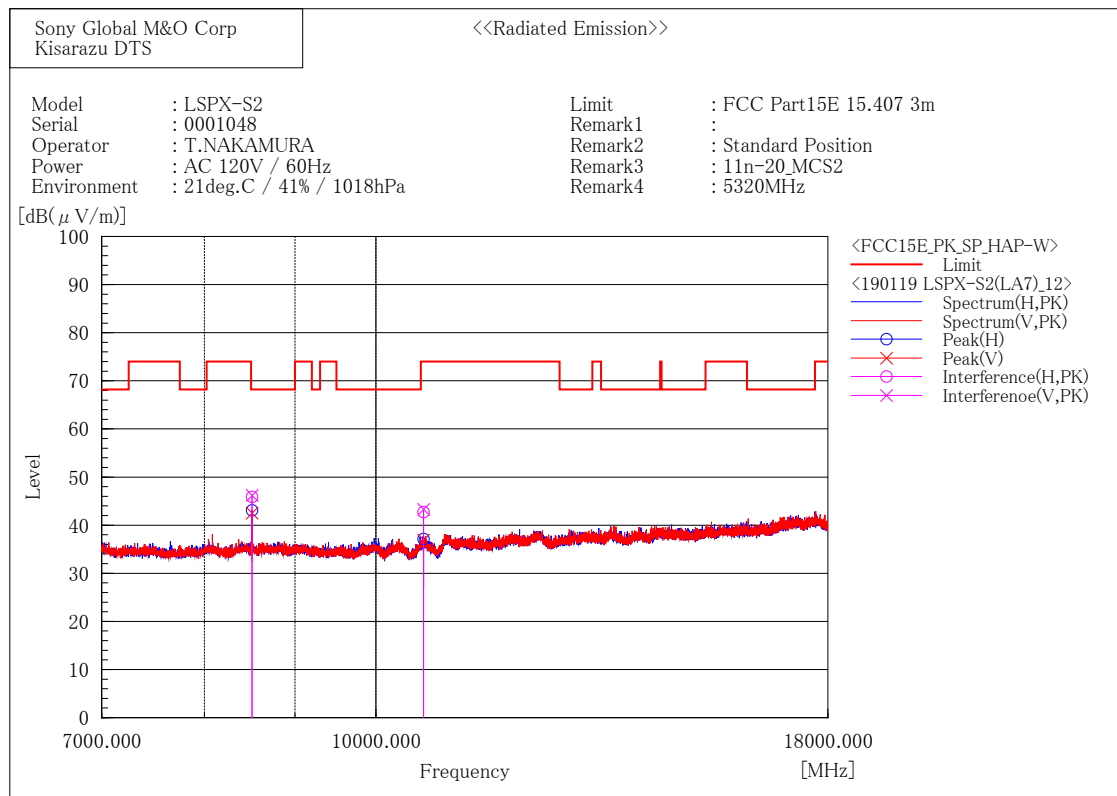
--- Horizontal Polarization (PK) ---

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	8416.015	53.7	-6.8	46.9	74.0	27.1	430.8	234.1
2	10520.000	46.0	-4.8	41.2	68.2	27.0	100.0	342.9

--- 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	8415.999	53.3	-6.8	46.5	74.0	27.5	345.0	291.1
2	10520.000	46.1	-4.8	41.3	68.2	26.9	100.0	66.1

[802.11a/ 5320 MHz]



Final Result

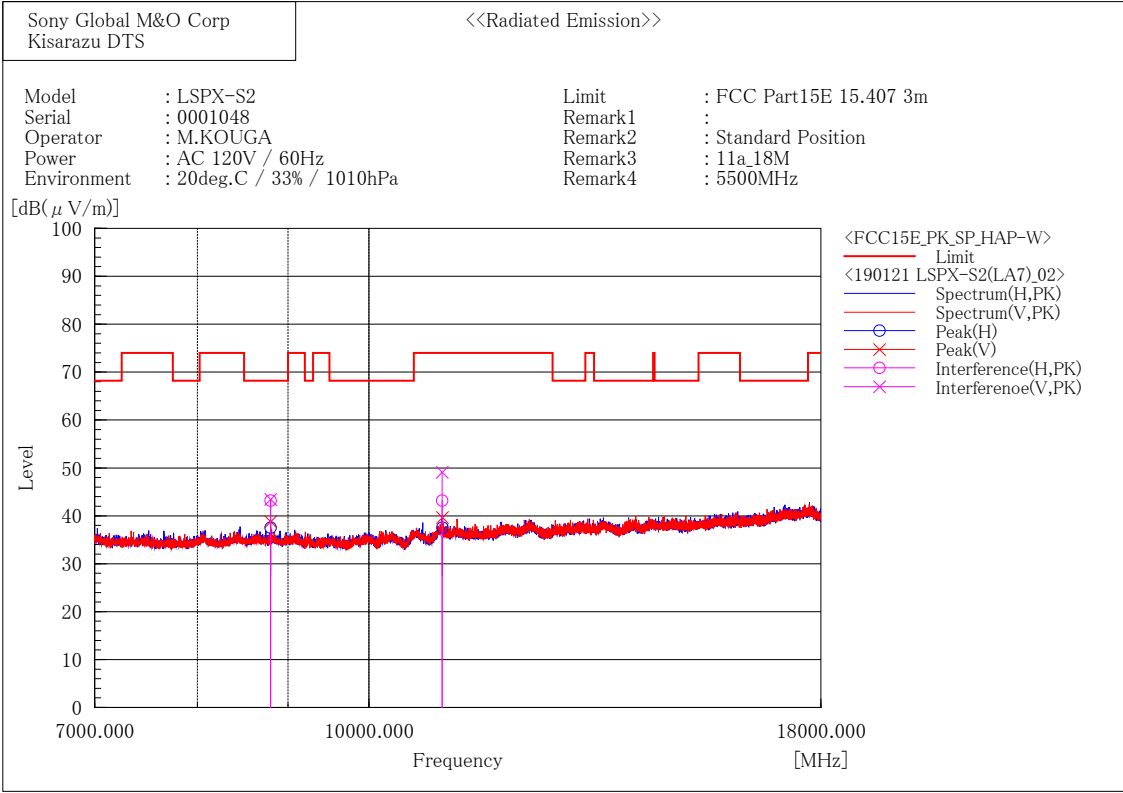
--- Horizontal Polarization (PK) ---

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	8512.027	52.4	-6.5	45.9	68.2	22.3	417.0	237.7
2	10640.000	47.4	-4.7	42.7	74.0	31.3	314.0	151.1

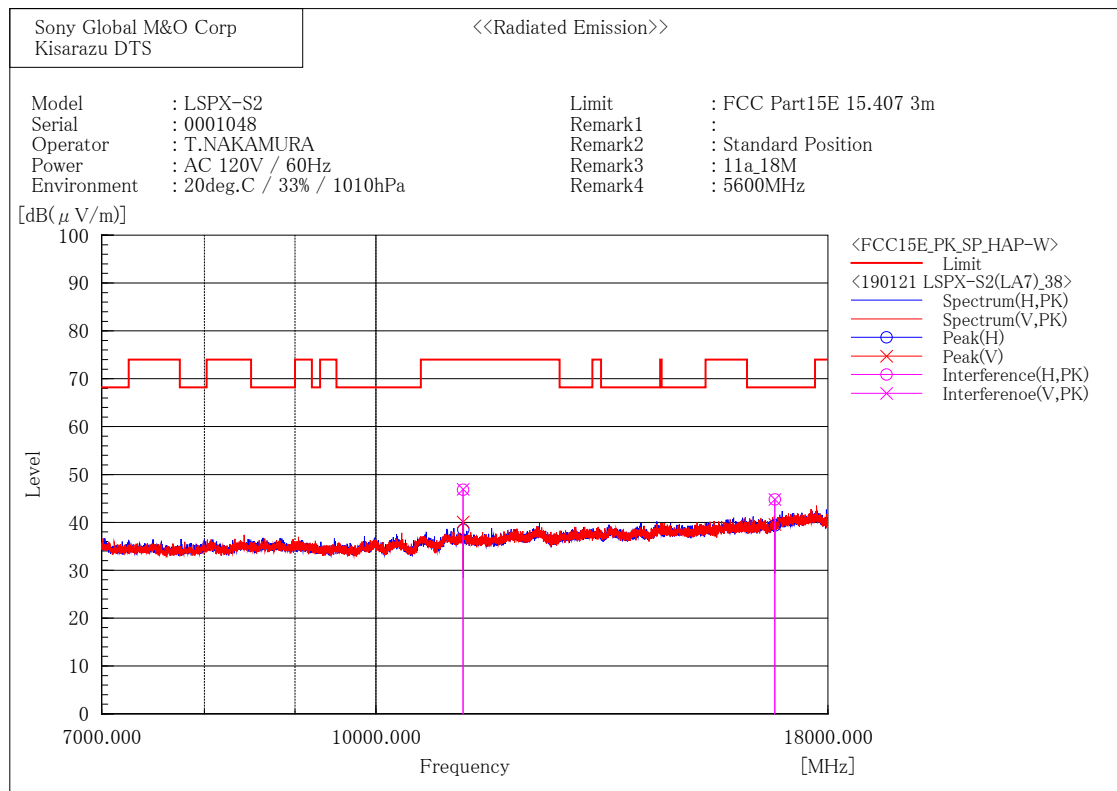
--- Vertical Polarization (PK) ---

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	8512.023	52.7	-6.5	46.2	68.2	22.0	328.1	287.1
2	10640.000	48.0	-4.7	43.3	74.0	30.7	100.0	66.1

[802.11a/ 5500 MHz]



[802.11a/ 5600 MHz]



Final Result

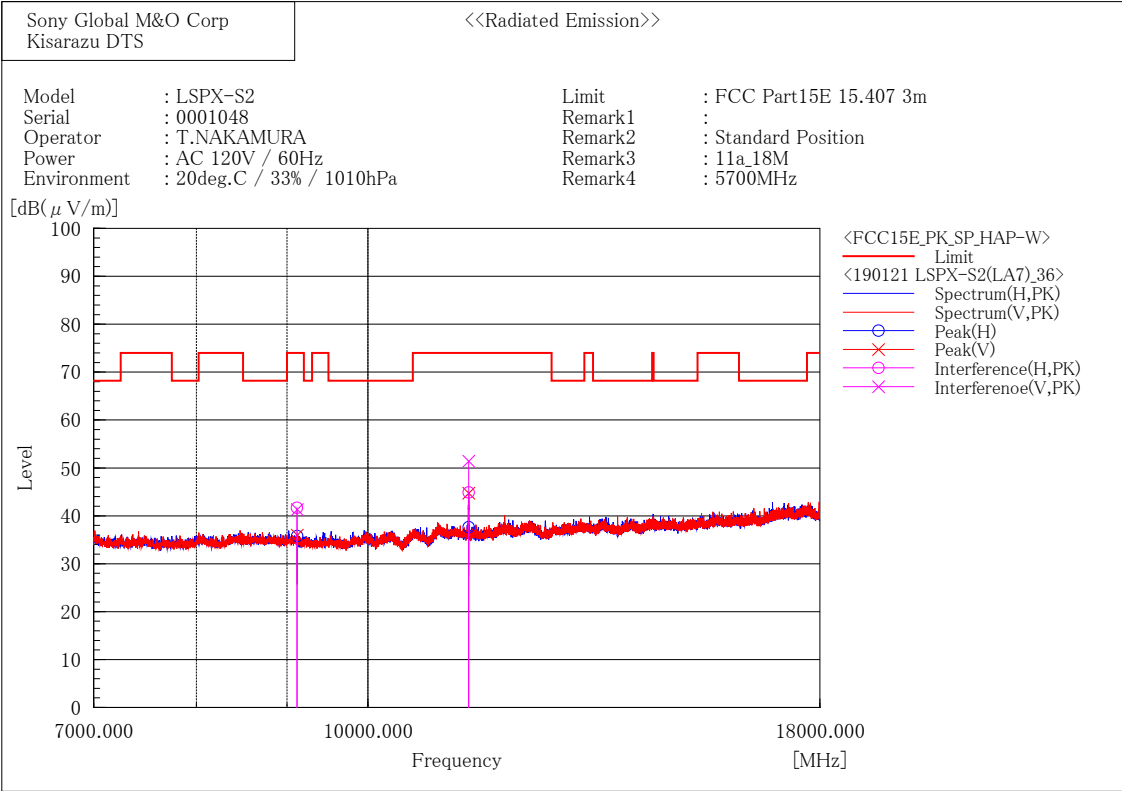
--- Horizontal Polarization (PK)---

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	11200.050	50.4	-3.6	46.8	74.0	27.2	100.0	288.0
2	16800.000	46.3	-1.5	44.8	68.2	23.4	308.5	14.5

--- 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	11200.001	50.5	-3.6	46.9	74.0	27.1	100.0	277.0
2	16800.000	46.3	-1.5	44.8	68.2	23.4	353.0	276.5

[802.11a/ 5700 MHz]

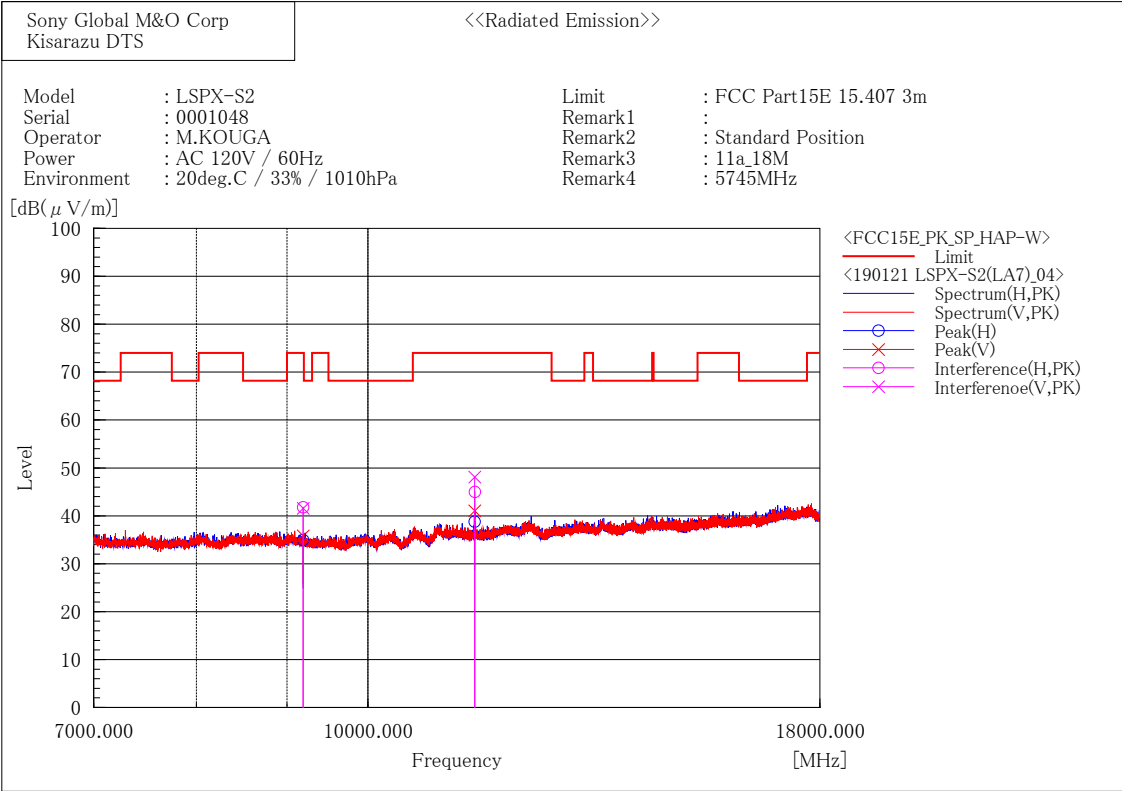


Final Result

--- Horizontal Polarization (PK)---								
No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	9119.020	47.8	-6.1	41.7	74.0	32.3	329.0	63.0
2	11400.010	49.4	-4.5	44.9	74.0	29.1	100.0	5.0

--- Vertical Polarization (PK)---								
No.	Frequency [MHz]	Reading [dB(μ V)]	c. f [dB(1/m)]	Result [dB(μ V/m)]	Limit [dB(μ V/m)]	Margin [dB]	Height [cm]	Angle [°]
1	9120.334	47.4	-6.1	41.3	74.0	32.7	409.0	314.0
2	11400.126	55.9	-4.5	51.4	74.0	22.6	100.0	70.0

[802.11a/ 5745 MHz]



Final Result

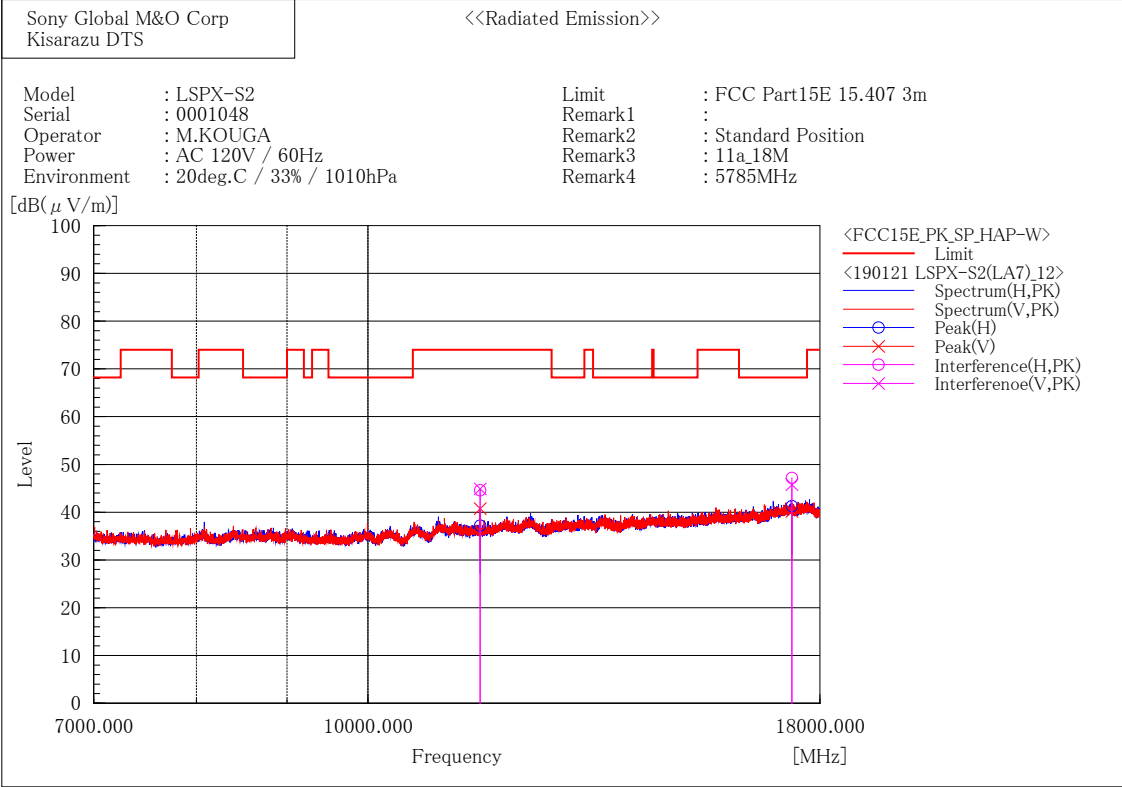
--- Horizontal Polarization (PK) ---

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	9192.008	48.0	-6.2	41.8	74.0	32.2	331.0	61.9
2	11490.890	49.9	-4.9	45.0	74.0	29.0	105.0	332.7

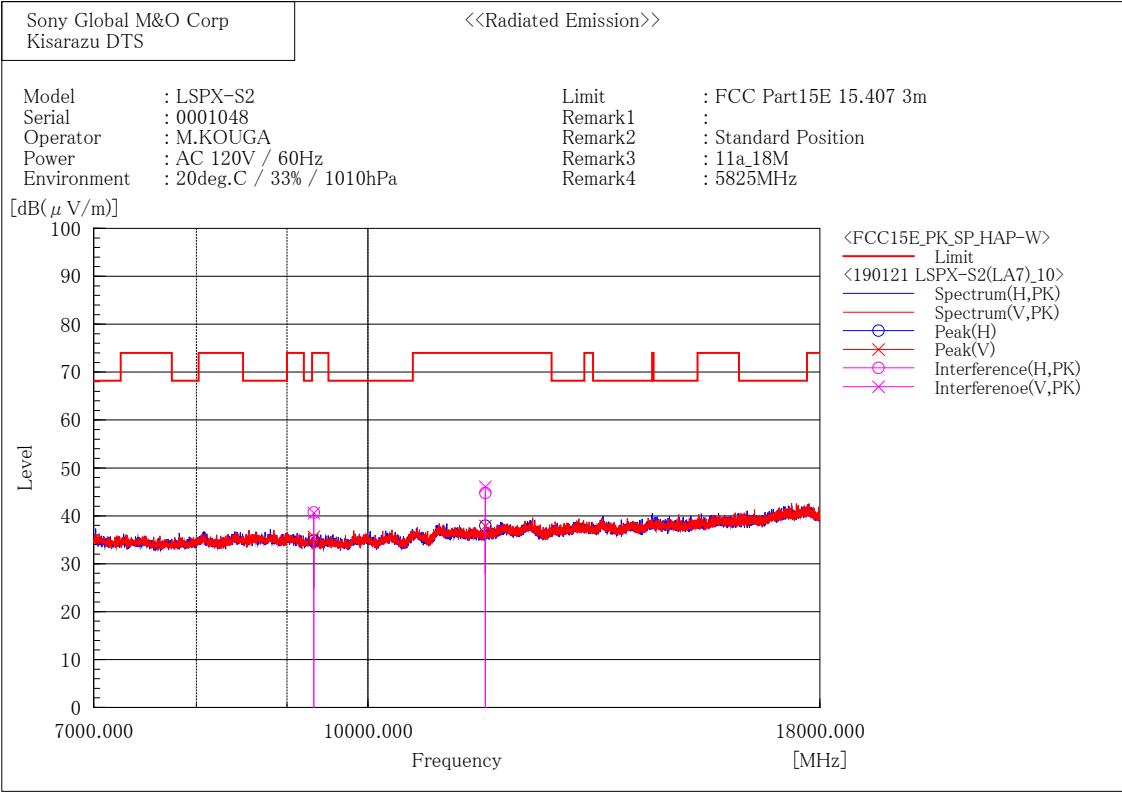
--- Vertical Polarization (PK) ---

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	9192.013	47.8	-6.2	41.6	74.0	32.4	100.0	14.0
2	11490.394	53.0	-4.9	48.1	74.0	25.9	100.0	35.0

[802.11a/ 5785 MHz]



[802.11a/ 5825 MHz]



Final Result

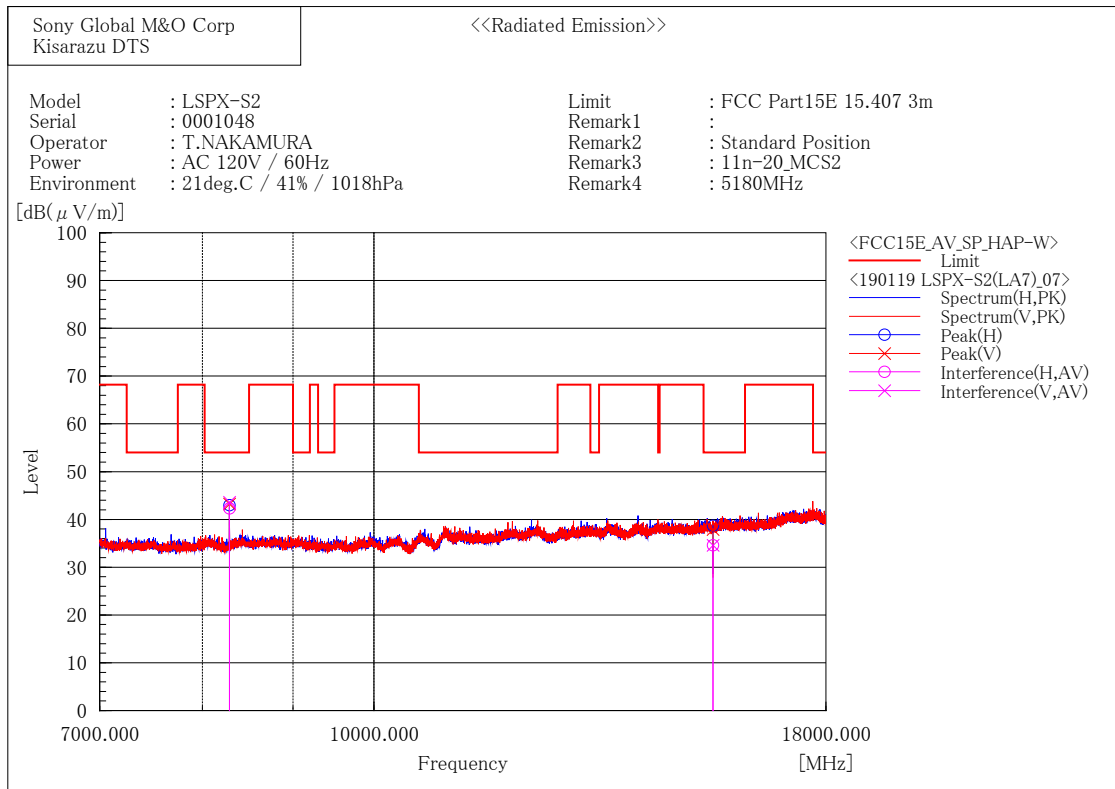
--- Horizontal Polarization (PK) ---

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	9320.368	46.9	-6.2	40.7	74.0	33.3	365.0	71.5
2	11650.415	49.8	-5.0	44.8	74.0	29.2	100.0	0.0

--- 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	9320.109	46.8	-6.2	40.6	74.0	33.4	102.0	28.0
2	11650.382	51.1	-5.0	46.1	74.0	27.9	146.0	5.0

[802.11n (HT20)/ 5180 MHz]



Final Result

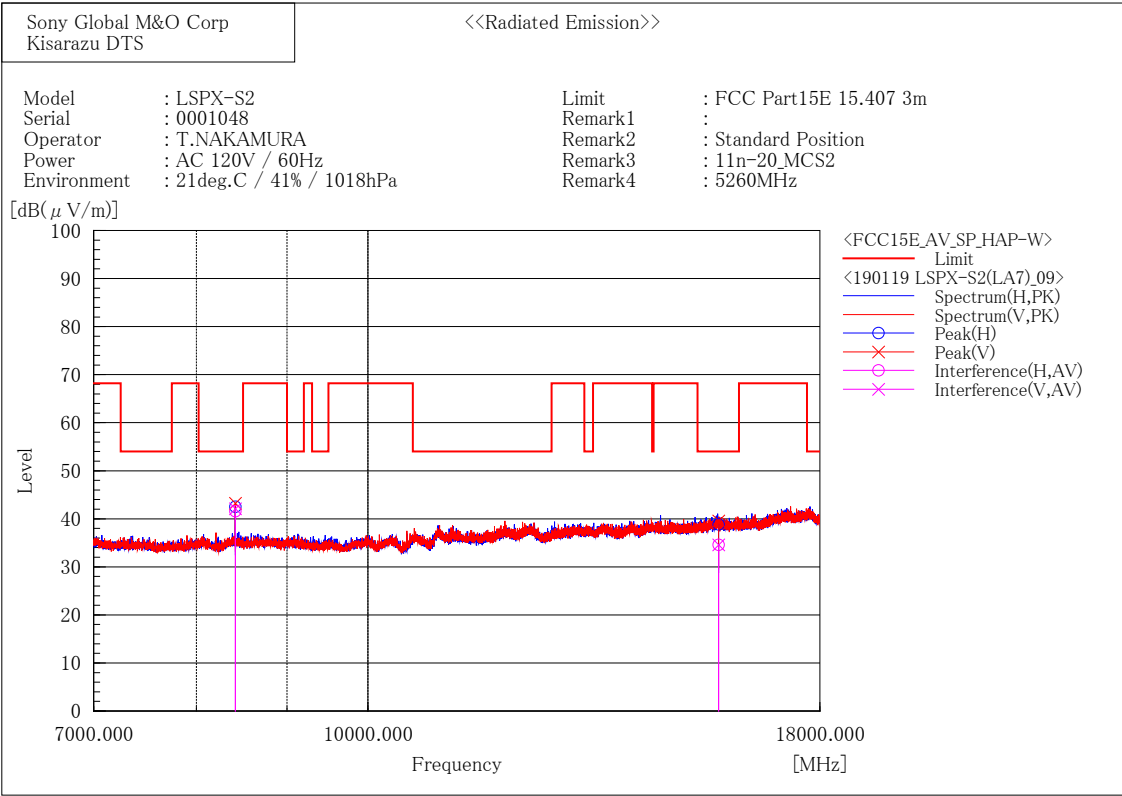
--- Horizontal Polarization (AV)---

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	8288.026	49.5	-7.2	42.3	54.0	11.7	431.0	261.9
2	15540.000	37.8	-3.2	34.6	54.0	19.4	384.5	48.2

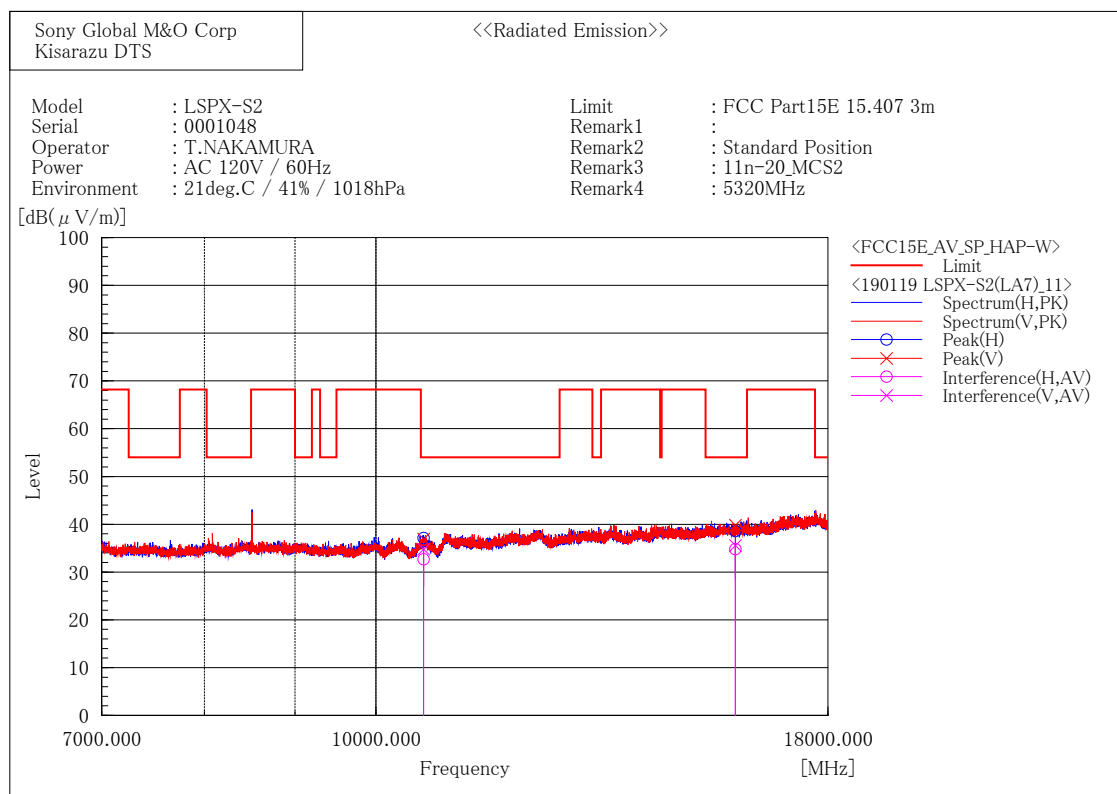
--- Vertical Polarization (AV)---

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	8288.007	50.8	-7.2	43.6	54.0	10.4	337.2	302.6
2	15540.000	37.8	-3.2	34.6	54.0	19.4	254.6	174.2

[802.11n (HT20)/ 5260 MHz]



[802.11n (HT20)/ 5320 MHz]



Final Result

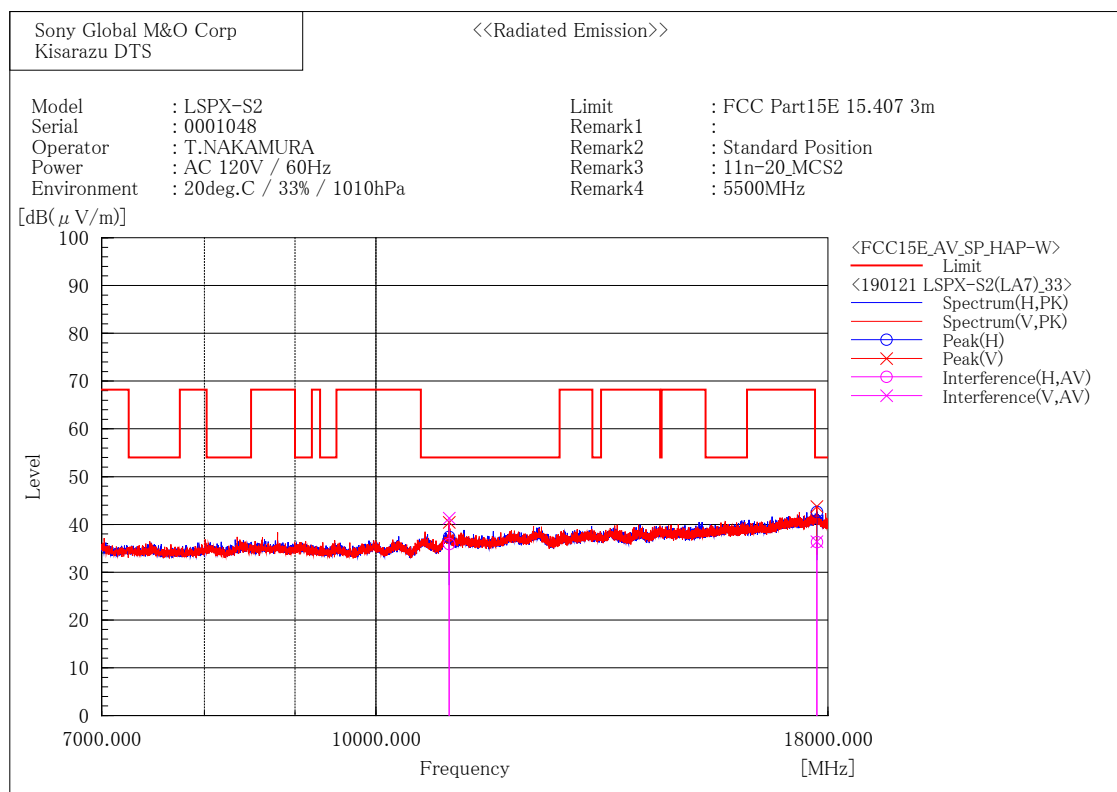
--- Horizontal Polarization (AV)---

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	10640.000	37.4	-4.7	32.7	54.0	21.3	315.6	152.8
2	15960.000	37.3	-2.5	34.8	54.0	19.2	426.0	343.8

--- 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	10640.000	39.5	-4.7	34.8	54.0	19.2	100.0	65.3
2	15960.000	38.1	-2.5	35.6	54.0	18.4	264.0	253.1

[802.11n (HT20)/ 5500 MHz]



Final Result

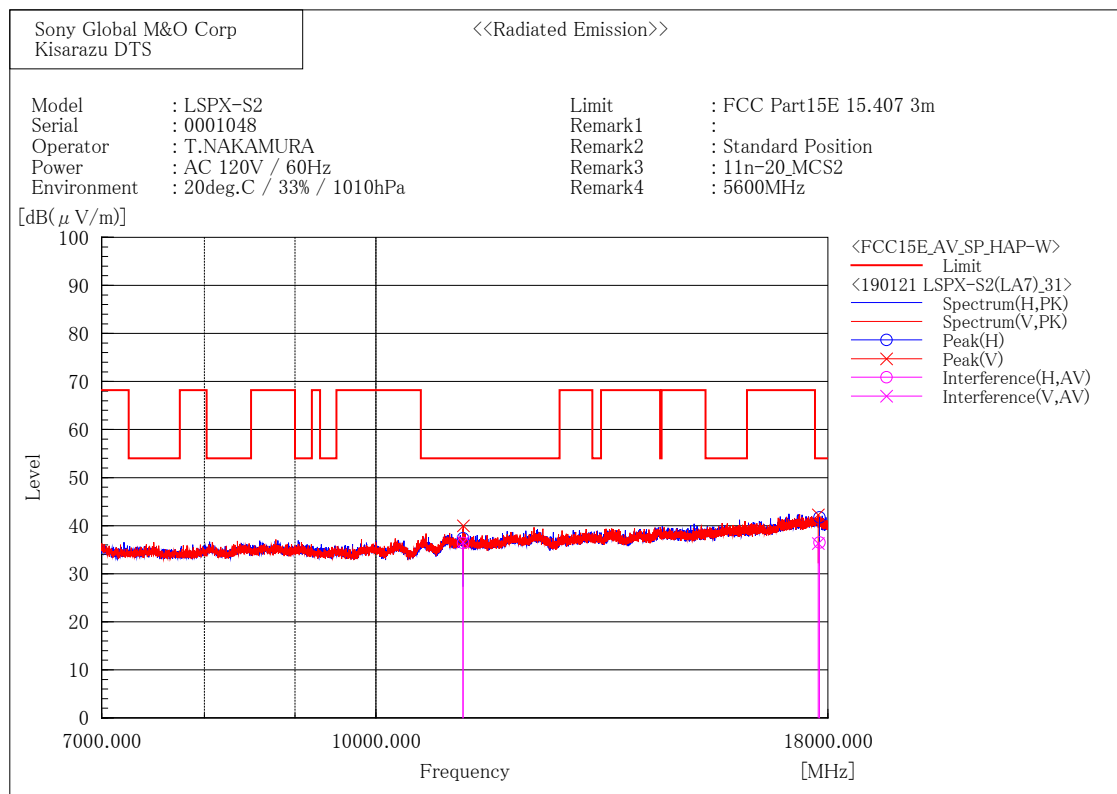
--- Horizontal Polarization (AV)---

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	11000.038	40.0	-4.1	35.9	54.0	18.1	100.0	288.3
2	17747.000	36.2	0.1	36.3	54.0	17.7	231.0	256.9

--- 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	11000.030	45.4	-4.1	41.3	54.0	12.7	100.0	58.8
2	17742.290	36.3	0.1	36.4	54.0	17.6	144.1	184.2

[802.11n (HT20)/ 5600 MHz]



Final Result

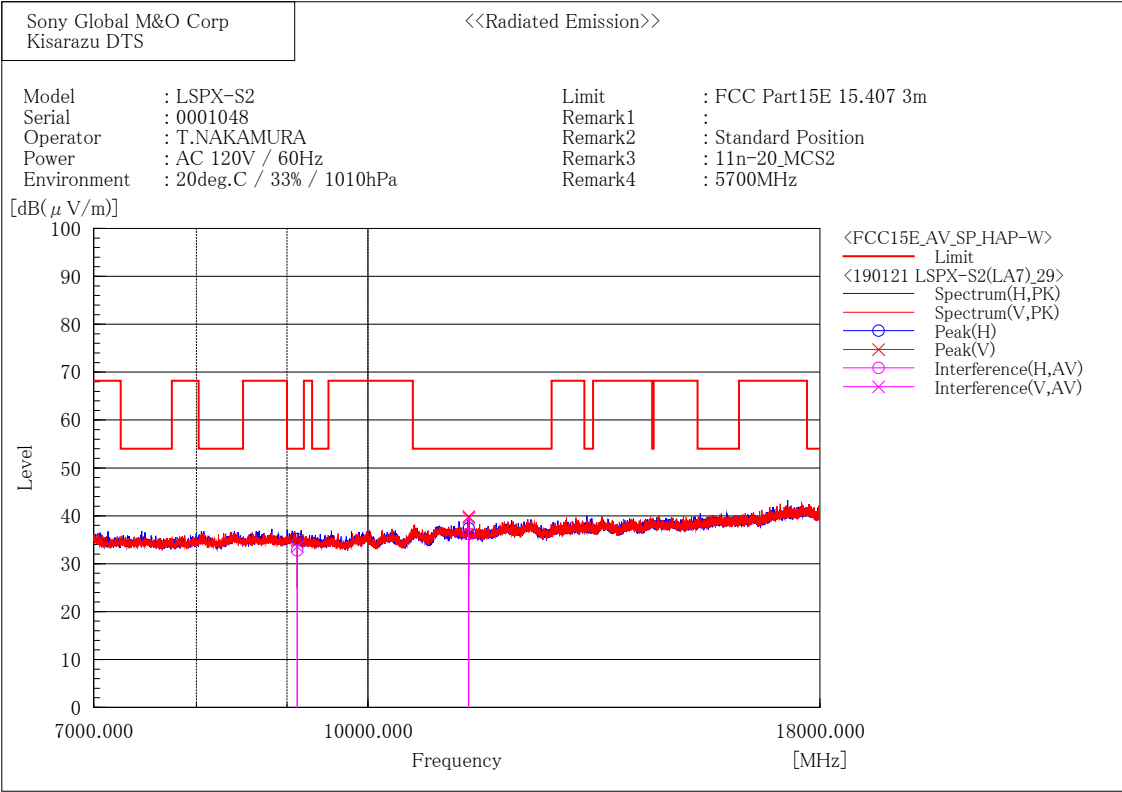
--- Horizontal Polarization (AV) ---

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	11200.030	40.0	-3.6	36.4	54.0	17.6	100.0	290.0
2	17805.146	36.5	0.0	36.5	54.0	17.5	271.0	187.0

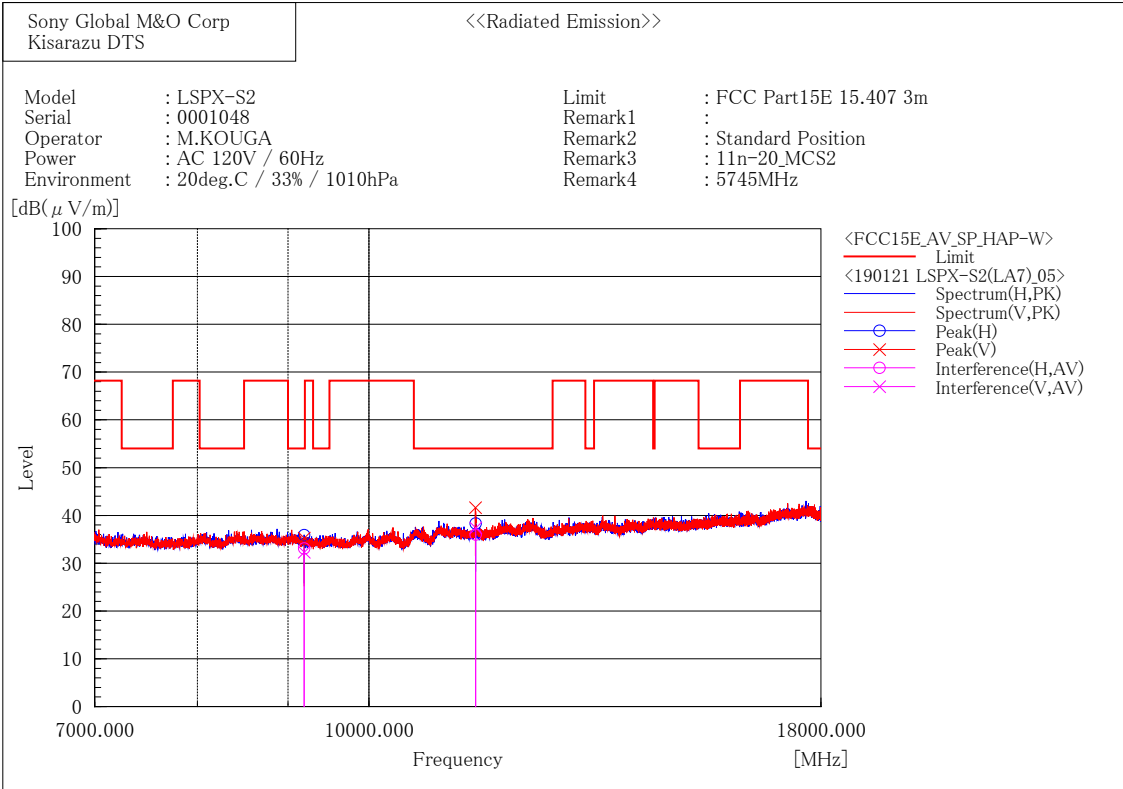
--- Vertical Polarization (AV) ---

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	11200.020	40.2	-3.6	36.6	54.0	17.4	100.0	32.3
2	17772.140	36.3	0.0	36.3	54.0	17.7	100.0	13.8

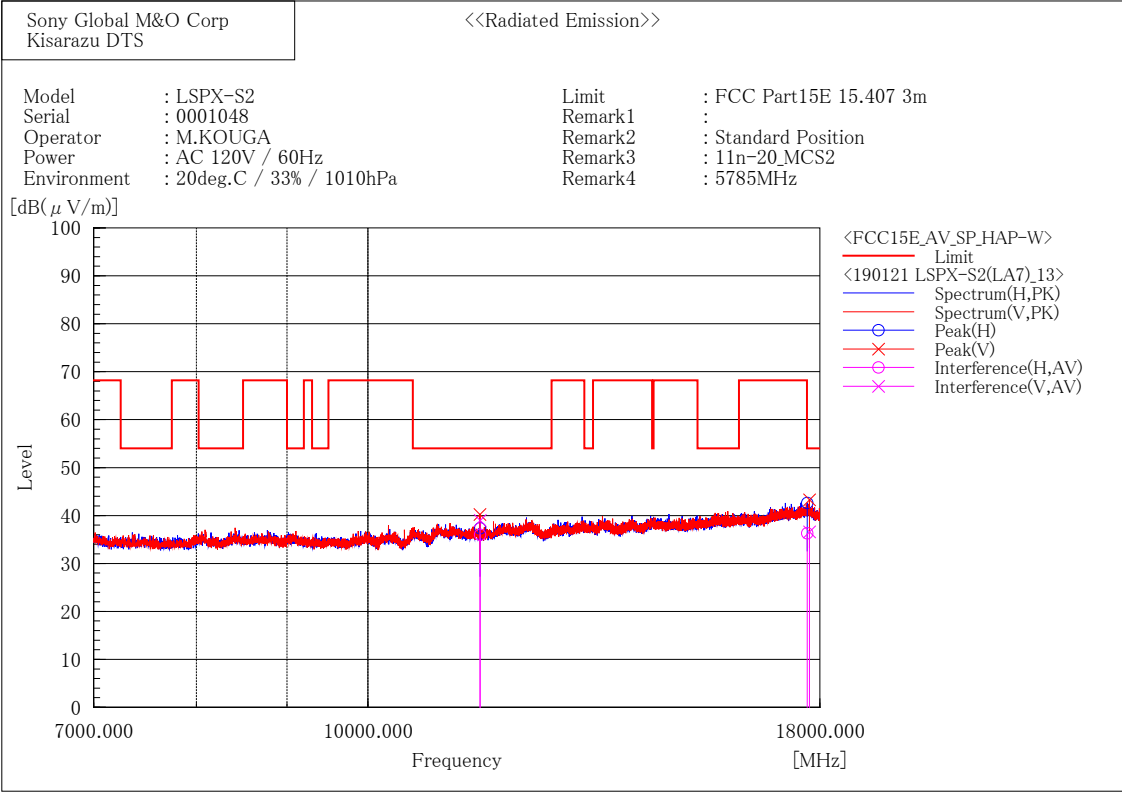
[802.11n (HT20)/ 5700 MHz]



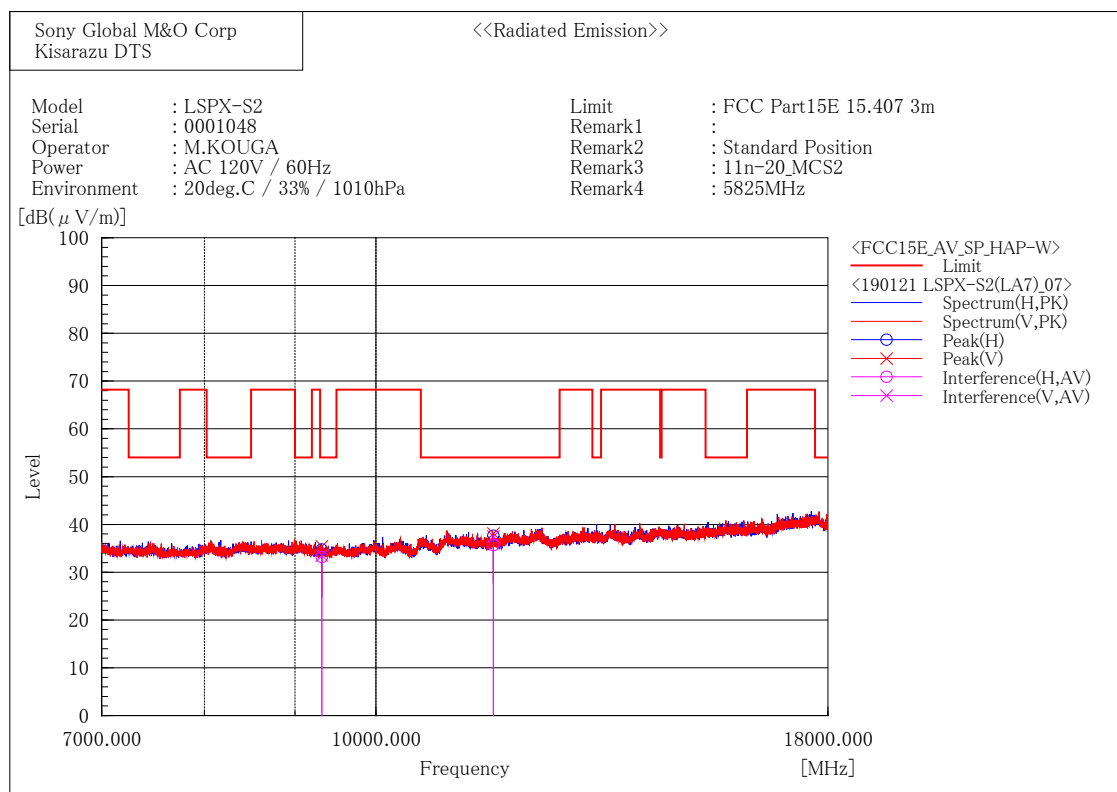
[802.11n (HT20)/ 5745 MHz]



[802.11n (HT20)/ 5785 MHz]



[802.11n (HT20)/ 5825 MHz]



Final Result

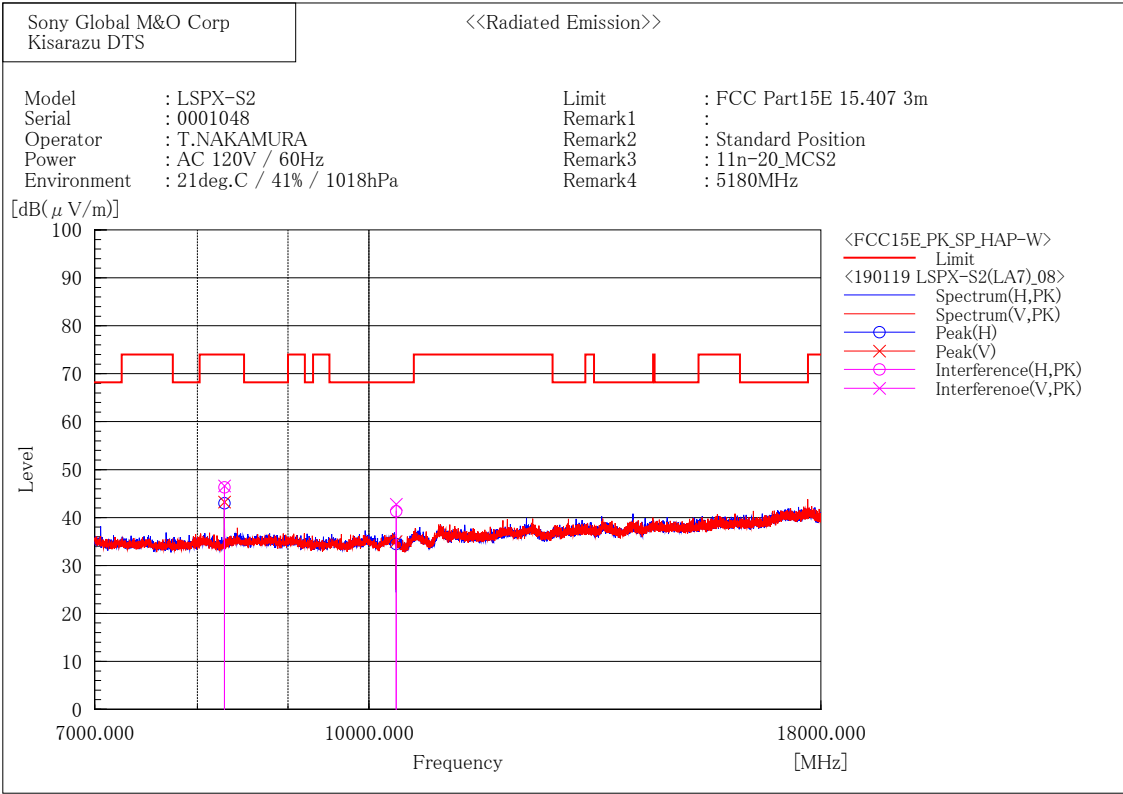
--- Horizontal Polarization (AV)---

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	9319.975	39.4	-6.2	33.2	54.0	20.8	324.8	63.0
2	11650.017	40.7	-5.0	35.7	54.0	18.3	100.0	2.0

--- 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	9320.068	39.7	-6.2	33.5	54.0	20.5	100.0	19.0
2	11650.062	42.5	-5.0	37.5	54.0	16.5	136.0	3.0

[802.11n (HT20)/ 5180 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	8288.199	53.5	-7.2	46.3	74.0	27.7	431.0	262.1
2	10360.000	46.2	-4.9	41.3	68.2	26.9	100.0	355.5

--- 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	8288.007	53.8	-7.2	46.6	74.0	27.4	337.2	302.7
2	10360.000	47.7	-4.9	42.8	68.2	25.4	100.0	27.3