EMISSION TEST REPORT

Test Report No. : **22DE0076-YW-2**

Applicant: **Sony Corporation**

Type of Equipment: **UHF Synthesized Transmitter**

Model No.: **WRT-8B**

FCC ID: **AK8WRT8B**

Test standard: **CFR 47 FCC Part74**

Test Result: **Complied**

The results in this report apply only to the sample tested.

Date of test: December 13 -23 2001 **Issued date:** January 11, 2002

Tested by: _____ **Approved by:** _____

Naoki Sakamoto

Kazutoyo Nakanishi

Site Operation Manager of EMC section

Testing Laboratory

A-pex International Co., Ltd.

108 Yokowa-cho, Ise-shi Mie-ken 516-1106 JAPAN

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Testing Laboratory
A-pex International Co., Ltd. Telephone: +81 596 39 1485
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1 GENERAL INFORMATION

APPLICANT	: Sony Corporation
ADDRESS	: 4-14-1, Asahi-cho, Atsugi-shi, Kanagawa-ken, 243-0014, Japan Tel: +81-46-230-5602 Fax: +81-46-230-6354
REGULATION(S)	: FCC Part15 Subpart C, Section 15.247
MODEL NUMBER	: WRT-8B
SERIAL NUMBER	: 001 and 002
KIND OF EQUIPMENT	: UHF Synthesized Transmittter
TESTED DATE	: December 13-23
RECEIPT DATE OF SAMPLE	: December 10, 2001
REPORT FILE NUMBER	: 22DE0076-YW-1
TEST SITE	: A-PEX Yokowa No.3 Open Test Sites

1.1 Tested Methodology

The measurement was performed according to the procedures in FCC Part2 and Part74.

1.2 Test Facility

The open area site measurement facilities used to collect the radiated data are located at 108, Yokowa-cho, Ise-shi, Mie-ken, 516-1106 Japan.
These sites have been fully described in reports submitted to the FCC office.
No.3 test site has filed to the FCC on September 12, 2000 as number: 90412 and is accepted by Industry Canada on February 19, 1998 as number IC2973-3.

2 PRODUCT DESCRIPTION

Sony Corporation Model WRT-8B (referred to as the EUT in this report) is a UHF Synthesized Transmitter. The specification is as following :

Frequency Characteristics	: 758.125MHz to 805.875MHz
Channnel Characteristics	: 376channels selectable by 125kHz spacing.
RF Power output	: 50mW / 10mW
Maximum Deviation	: ±40kHz
Frequency response	: 40Hz to 20000Hz
Antenna type	: 1/4-wavelength wire(Antenna Gain 0dBi)
Power Supply	: 3.0V DC(two LR6/size AA alkaline batteries)
ITU Code	: 110KF3E

2.1 Test System Details

Model	FCC ID	Description
(1)Sony Corporation M/N: WRT-8B S/N: 001(CH62-01) S/N:002(CH66-01 and CH69-47)	AK8WRT8B	UHF Synthesised Transmitter
(2) Sony Corporation M/N: ECM-77BC S/N: -	N/A	Microphone

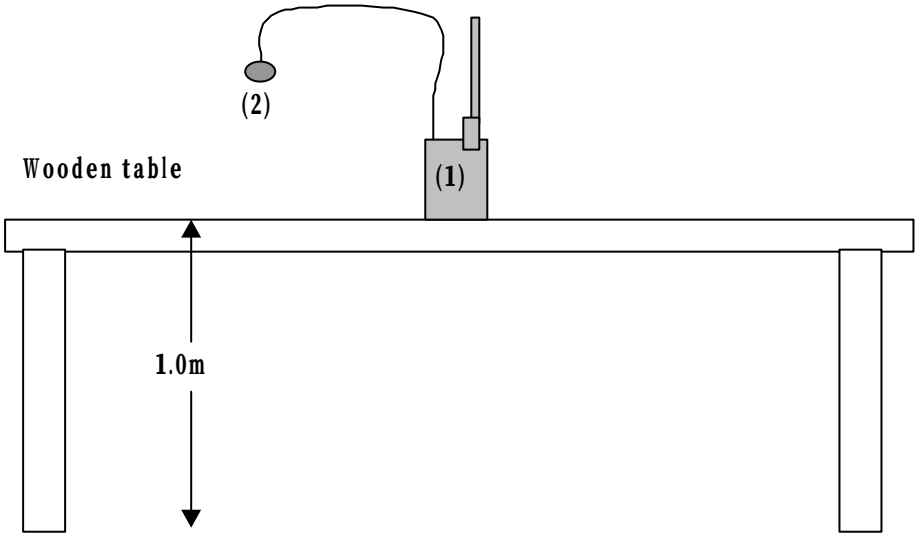
3 SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured in typical fashion (as a customer would normally use it) for testing.

Test mode : Out Put Power : High mode (50mW) and Low mode (10mW)
Performed the test about channels
Low(CH62-01) : 758.125MHz
Mid (CH66-01): 782.125MHz
High(CH69-47) : 805.875MHz

3.2 Configuration of Tested System



* Cabling was taken into consideration and test data was taken under worst case conditions.

List of cables used

No.	Name	Length (m	Shield	Backshell Material	Remark
①	Microphone Cable	1.2	Y	Polyvinyl chloride	-

4 Measurement Uncertainty

Radiated Emission Test

■ Measurement distance of 3m:

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is ±4.4dB.
The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is ±4.8dB.
The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is ±5.8dB.

■The data listed in this test report has enough margin, more than site margin.

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5 TEST EQUIPMENT USED

Name	Manufacturer	Model	Control No.	Calibrated Until
Pre Amplifier	Hewlett Packard	8447D	AF-01	March 30, 2002
Pre Amplifier	Hewlett Packard	8449B	AF-04	November 2, 2002
Biconical Antenna	Schwarzbeck	BBA9106	BA-03	April 30, 2002
Logperiodic Antenna	Schwarzbeck	UHALP9108-A	LA-06	April 30, 2002
Horn Antenna	AH System, Inc	SAS-200/571	HA-01	May 19 , 2002
Horn Antenna	AH System, Inc	SAS-200/571	HA-02	May 19 , 2002
Dipole Antenna	Schwarzbeck	VHAP	EST-01	September17, 2003
Dipole Antenna	Schwarzbeck	UHAP	EST-02	September17, 2003
Signal Generator	Rohde & Schwarz	SMY01	EST-06	July 25, 2002
Signal Generator	Rohde & Schwarz	SMR27	EST-07	February 27, 2002
Spectrum Analyzer	Hewlett packard	8567A	SA-04	March 30, 2002
Spectrum Analyzer	Advantest	R3271	SA-05	January 31, 2002
Test Receiver	Rohde & Schwarz	ESVS-10	TR-06	August 23, 2002
Power Sensor	Agilent	E9300A	PS-03	September 1, 2002
Power Metor	Agilent	E4418B	PM-03	September 1, 2002
FM Linear Detector	Anritsu	MS61A	FD-01	May 1, 2002
Audio Analyzer	Rohde & Schwarz	UPA	AV01-03	November 25, 2002
Universal Counter	Agilent	53131A	EST-09	October 9, 2002
Temp. & Humid. Chamber	TABAI ESPEC	PL-4KP	CH-01	November 28, 2002

All measurement equipment is traceable to national standards.

6 SUMMARY OF TESTS

6.1 §74.861.(e)(1)(ii) RF Power Output

Test Procedure

The RF Power Output was measured with a Power Meter connected to the antenna port.

50mW mode

Frequency	Output Power(ERP)
CH62-01 : 758.125MHz	56.2mW
CH66-01 : 782.125MHz	53.7mW
CH69-47 : 805.875MHz	47.9mW

10mW mode

Frequency	Output Power(ERP)
CH62-01 : 758.125MHz	15.1mW
CH66-01 : 782.125MHz	4.4mW
CH69-47 : 805.875MHz	13.8mW

Specified limit : **250mW**
Test result : **Pass**
Test instruments : **PM-03, PS-03, SA-05**

6.2 §74.861.(e)(3) Modulation Characteristics

Test Procedure

The Audio Analyzer was connected to audio input port of EUT. The audio signal input was adjusted to obtain 50% Modulation at the maximum audio frequency response of the transmitter, and this point was taken as 0 dB reference level. The frequency of the input signal was changed from 40Hz to 20kHz and the input level to obtain 50% modulation was plotted. The modulation response was measured up to maximum modulation for each of three tones, 40Hz, 2.5kHz and 20kHz. The audio input level was changed from 10% modulation up to maximum rated modulation.

Test data : **APPENDIX A1 to A12**
Test result : **Pass**
Test instruments : **SA-05, FD-01, AV01-03**

6.3 §74.861.(e)(4) Frequency Tolerance

Test Procedure

EUT was placed in the Temp. & Humid. Chamber and was kept at a temperature of -30°C for approximately one hour. The rated test voltage was applied to EUT turned on for ten minutes. The transmit frequency was measured during This period and recorded. A similar measurement was performed with the temperatures changed from -30°C to 50°C at Interval of 10°C. In the latter case, EUT was kept for approximately one hour at the prescribed temperature after Completion of the test preceding with it. The frequency tolerance tests were performed at the normal supply voltage and if Required, with variation of primary supply voltage.

Test data : **APPENDIX A13**
Test result : **Pass**
Test instruments : **EST-09, CH-01**

6.4 §74.861.(e)(6)Occupied Bandwidth

Test Procedure

The RF Power Output was measured with a spectrum analyzer connected to the antenna port.
When modulated by a 2500Hz tone at an input level 16dB greater than necessary to produce 50 percent Modulated.

Test data	**: APPENDIX A14 to A25**
Test result	**: Pass**
Test instruments	**: SA-05, AV01-03**

6.5 §74.861.(e)(6)Spurious Radiation

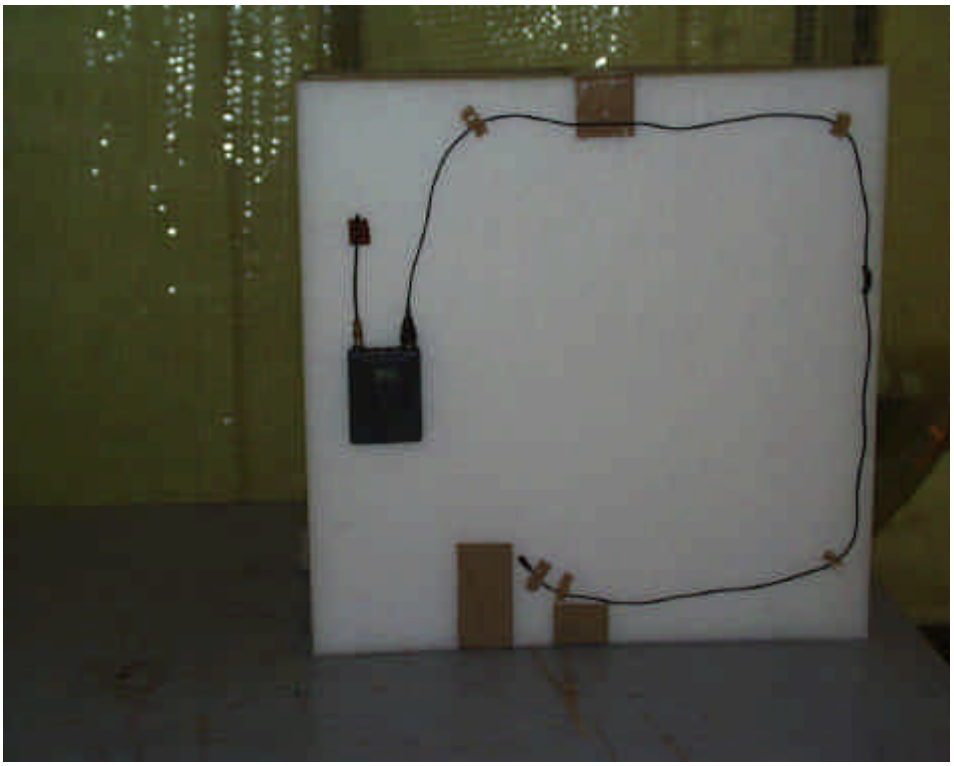
Test Procedure

EUT was placed on a platform of nominal size, 1m by 1m, raised 1m above the conducting ground plane.
plane. Test was made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength.
The Radiated Electric Field Strength intensity has been measured on an open test site with a ground plane and at a distance of 3m.
The measuring antenna height was varied between 1 to 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.
The measurements were performed for both vertical and horizontal antenna polarization.
For EUT antenna position was vertical polarization, EUT emission level became higher when the measurement antenna was vertical polarization.
Then for EUT antenna position was horizontal polarization, the emission level became higher when measurement antenna was horizontal polarization.
Therefore measurement was performed with following conditions:
EUT antenna position was vertical polarization: measurement antenna was vertical polarization(Page14)
EUT antenna position was horizontal polarization: measurement antenna was horizontal polarization(Page15)
The EUT was replaced by the substitution antenna(2/λ dipole antenna) was adjusted in level until an
Equal or known related level to that detected from the transmitter was obtained in the measuring receiver.

Frequency Range : 30MHz to 9GHz
IF Bandwidth : 120kHz(30MHz to 1GHz) and 1MHz(1GHz to 9GHz)

Test data : **APPENDIX A26 to A31**
Test result : **Pass**
Test instruments : **AF-01, AF-04, BA-03, LA-06, HA-01, HA-02, EST-01, EST-02 EST-06, EST-07, SA-04, SA-05, TR-06, PS-03, PM-03**

Photographs of test setup(EUT antenna position was vertical polarization)



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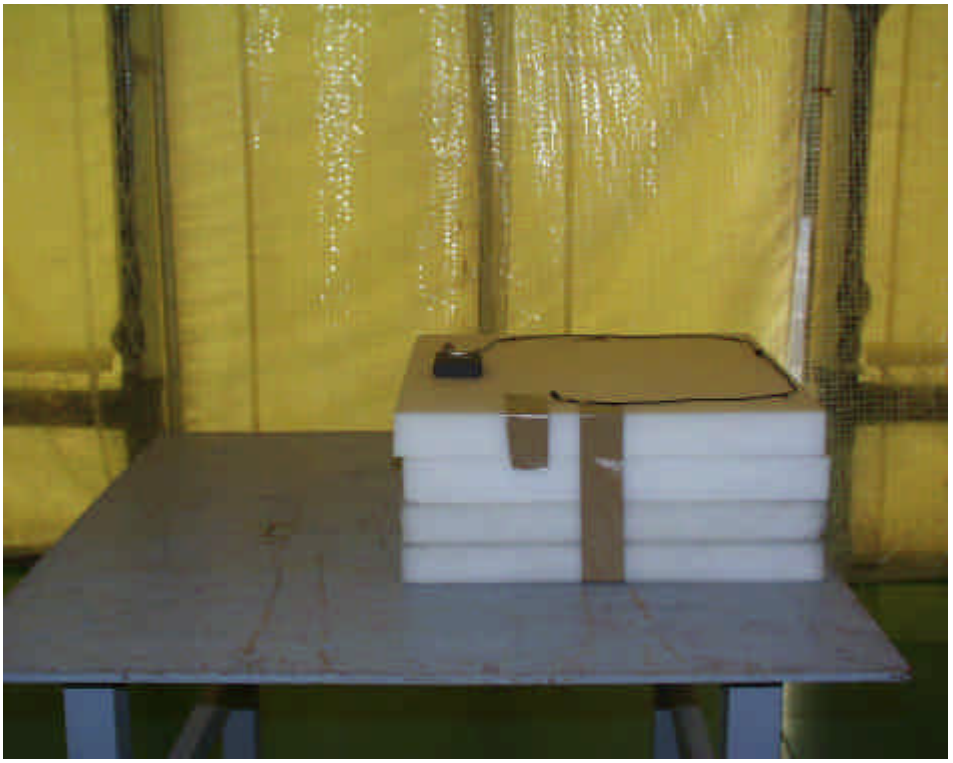
Photographs of test setup(EUT antenna position was Horizontal polarization)



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APPENDIX

Test Data

Testing Laboratory
A-pex International Co., Ltd. Telephone: +81 596 39 1485
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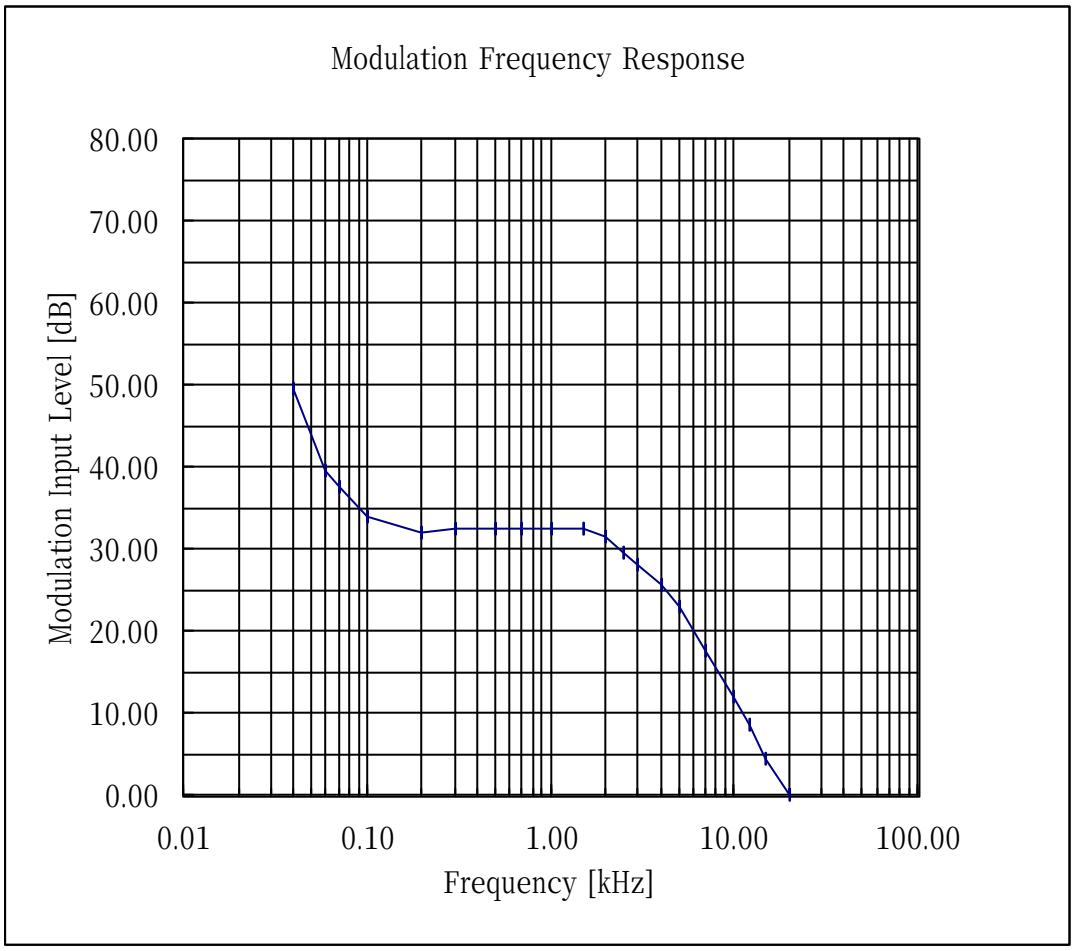
Data Of Modulation Frequency Response

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

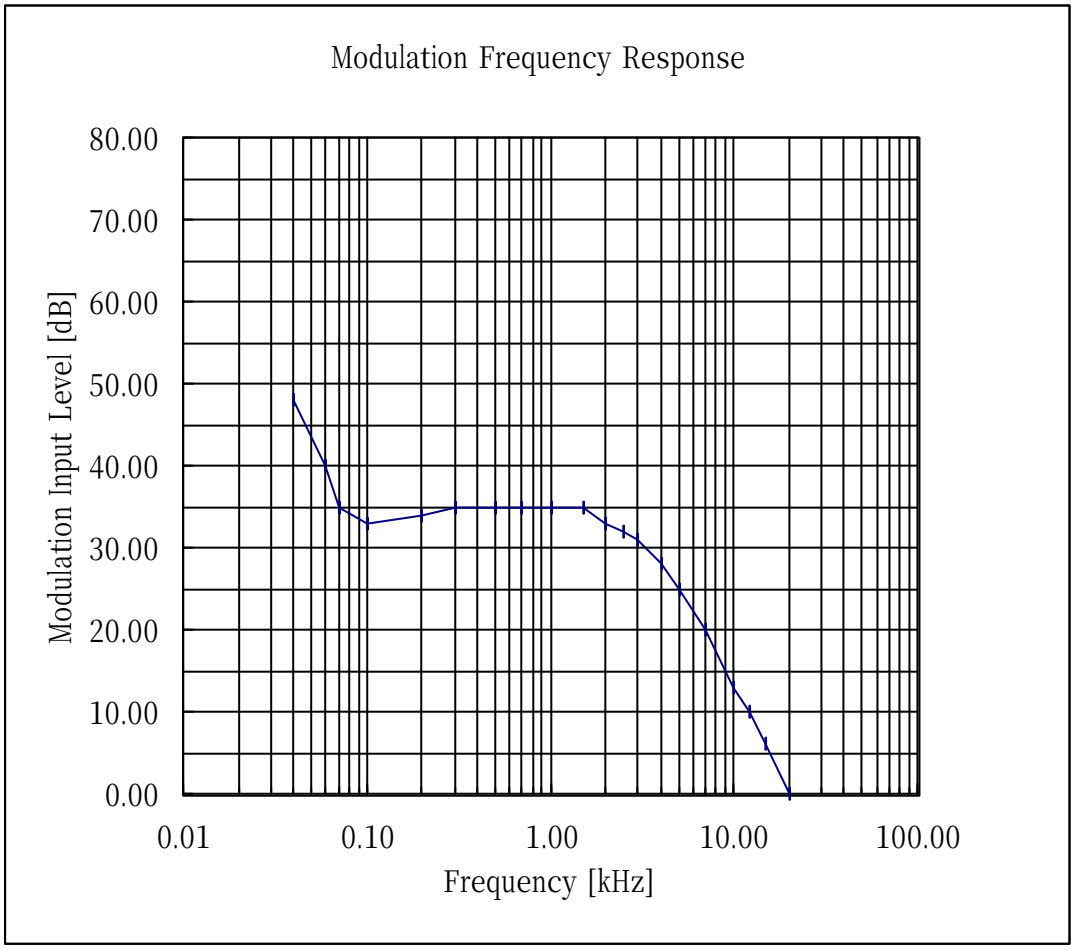
0dB = -70.5dBV



Data Of Modulation Frequency Response

Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

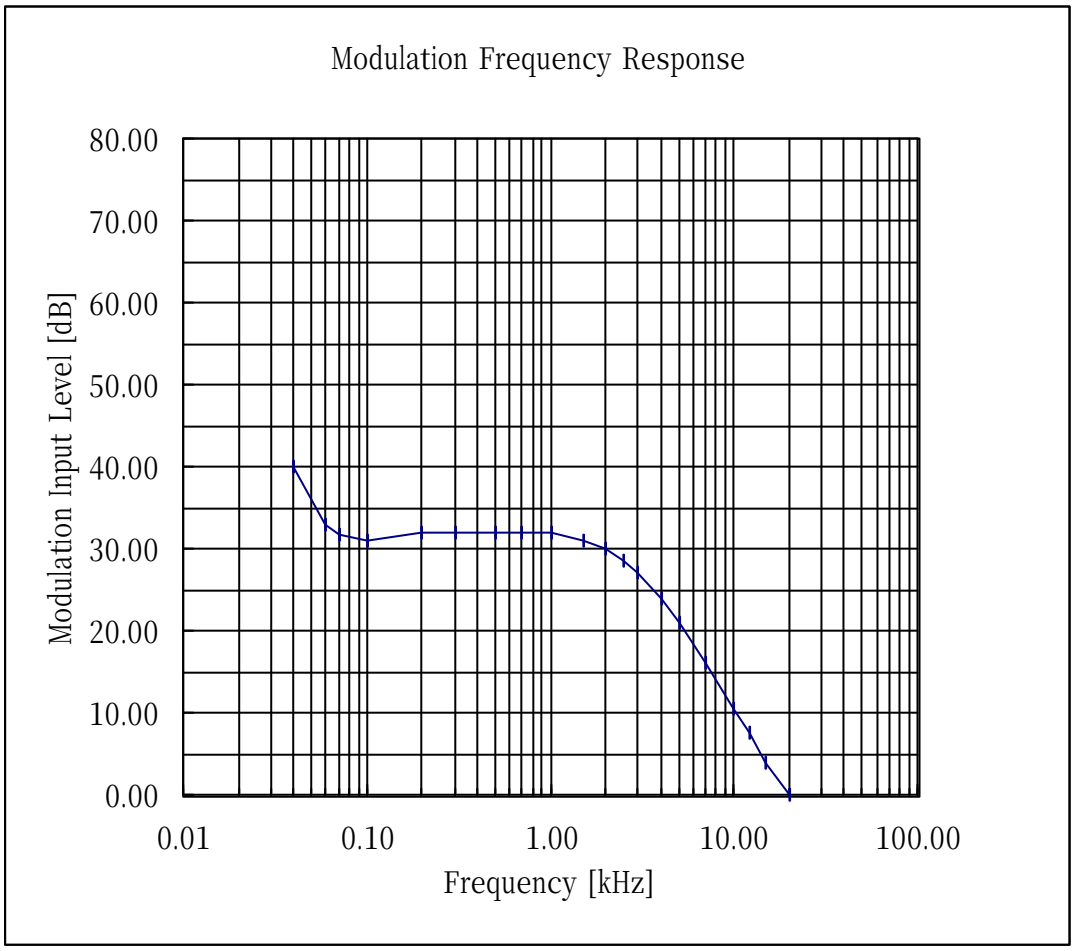
0dB = -76.0dBV



Data Of Modulation Frequency Response

Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

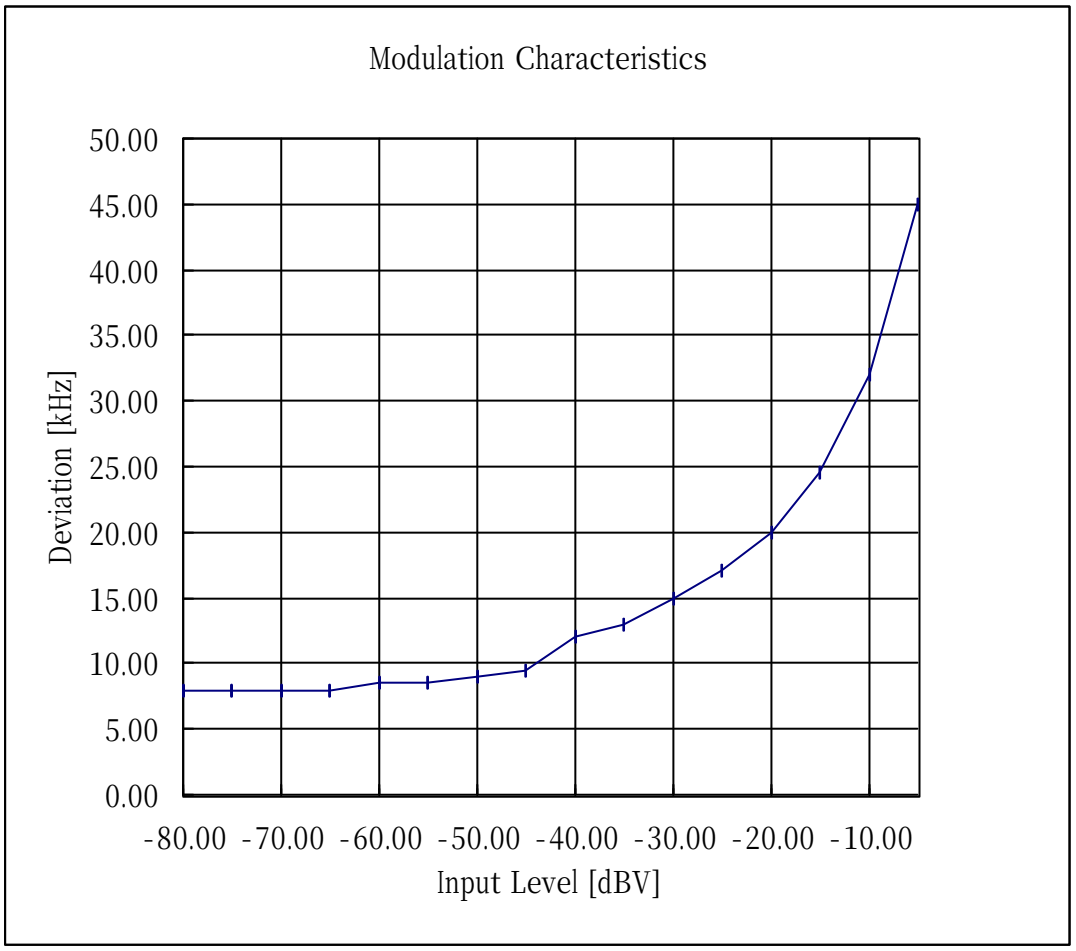
0dB = -69.0dBV



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-1

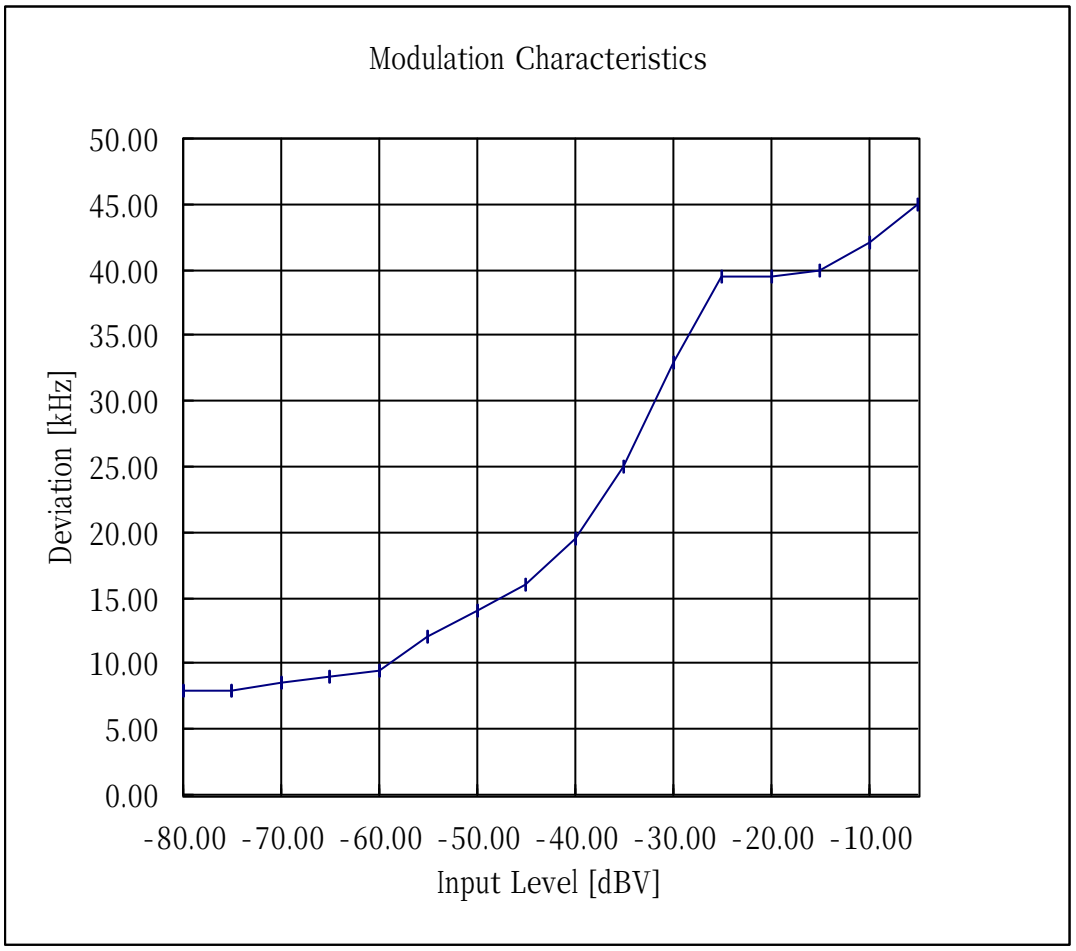
Input : 40Hz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

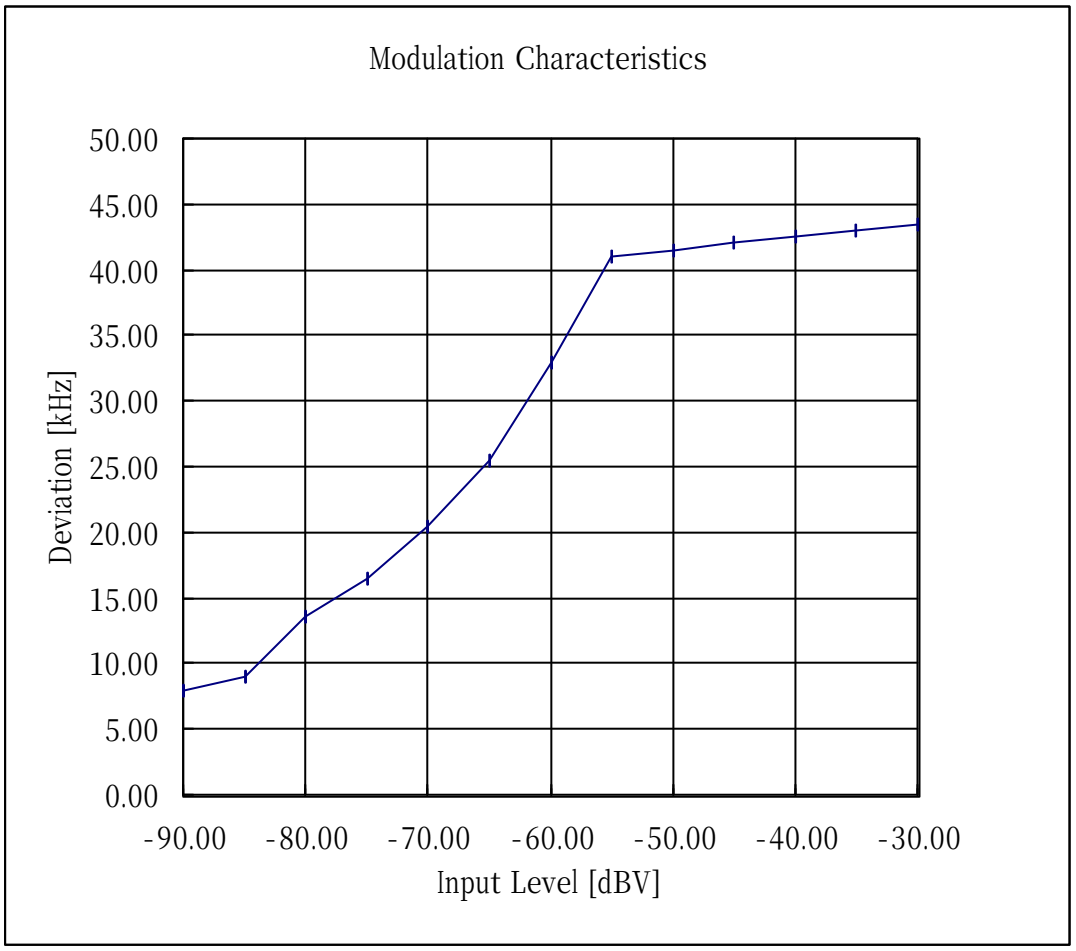
Input : 2.5kHz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

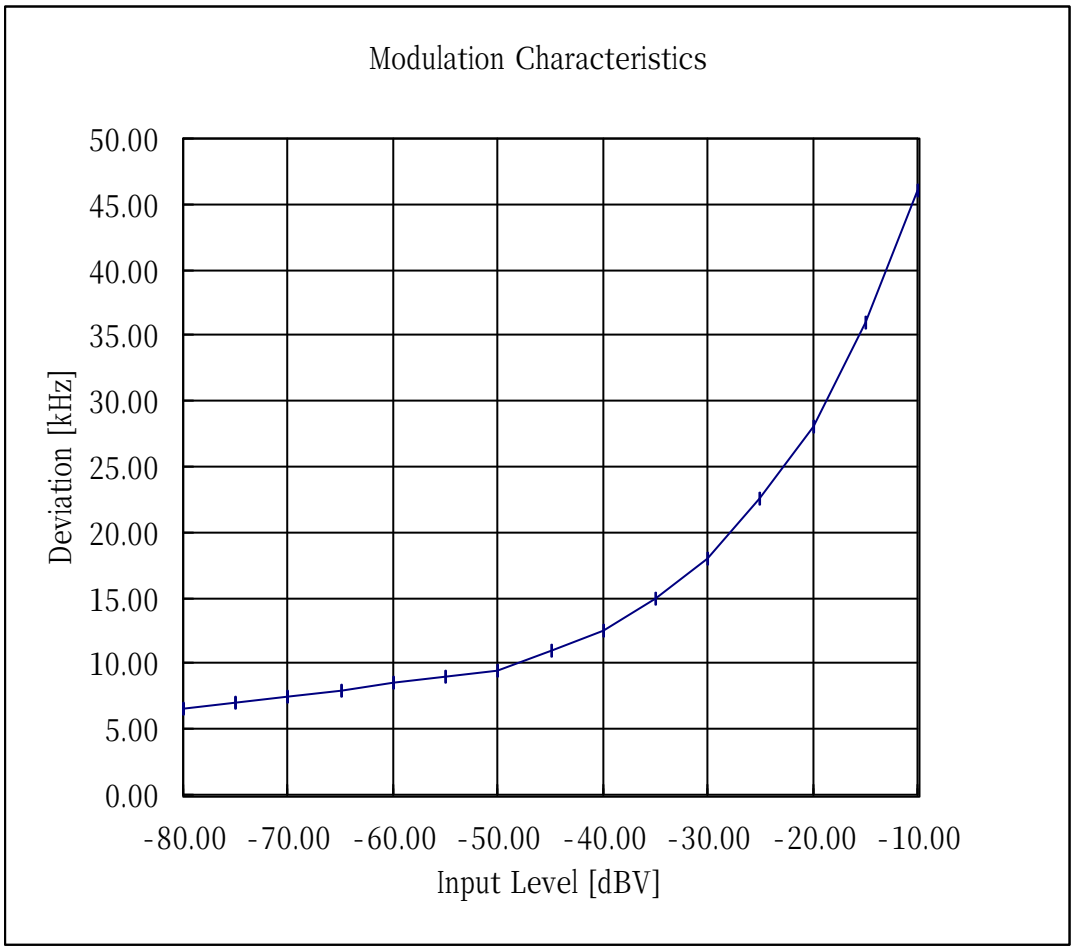
Input : 20kHz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

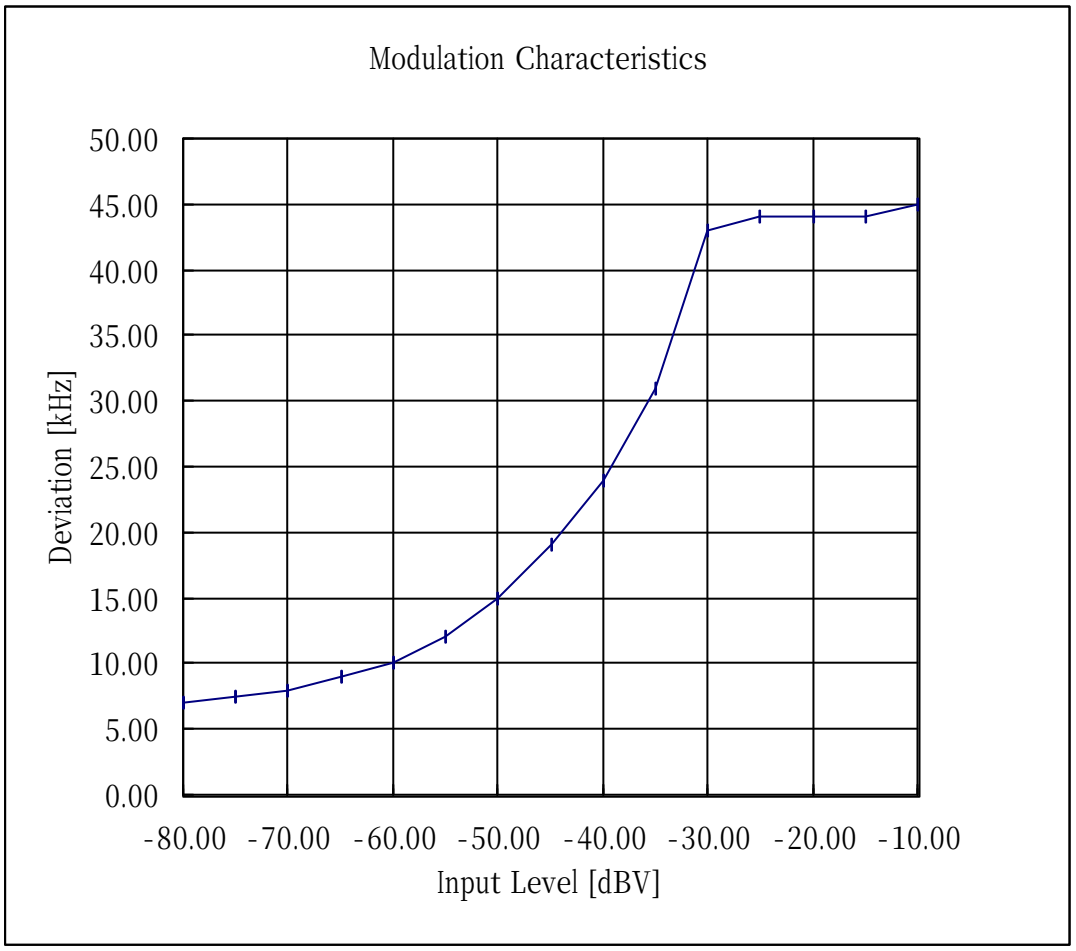
Input : 40Hz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

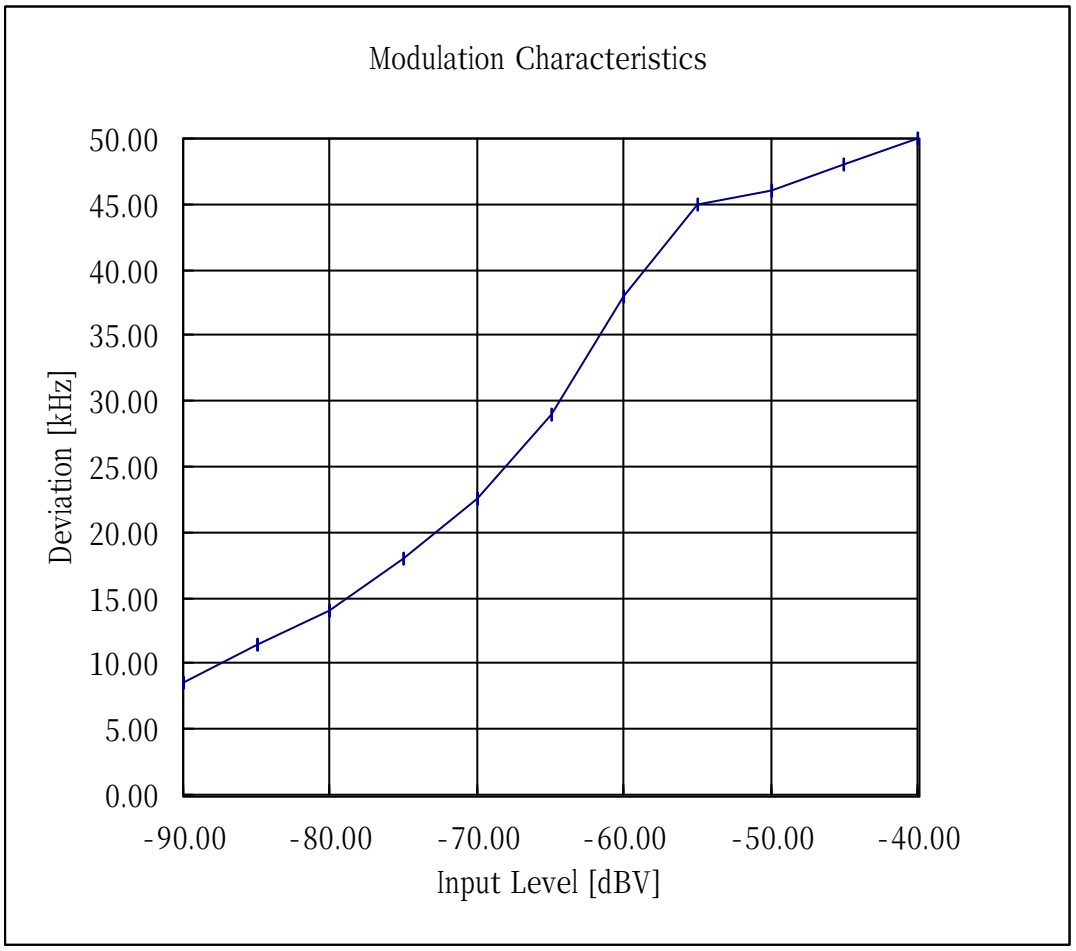
Input : 2.5kHz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

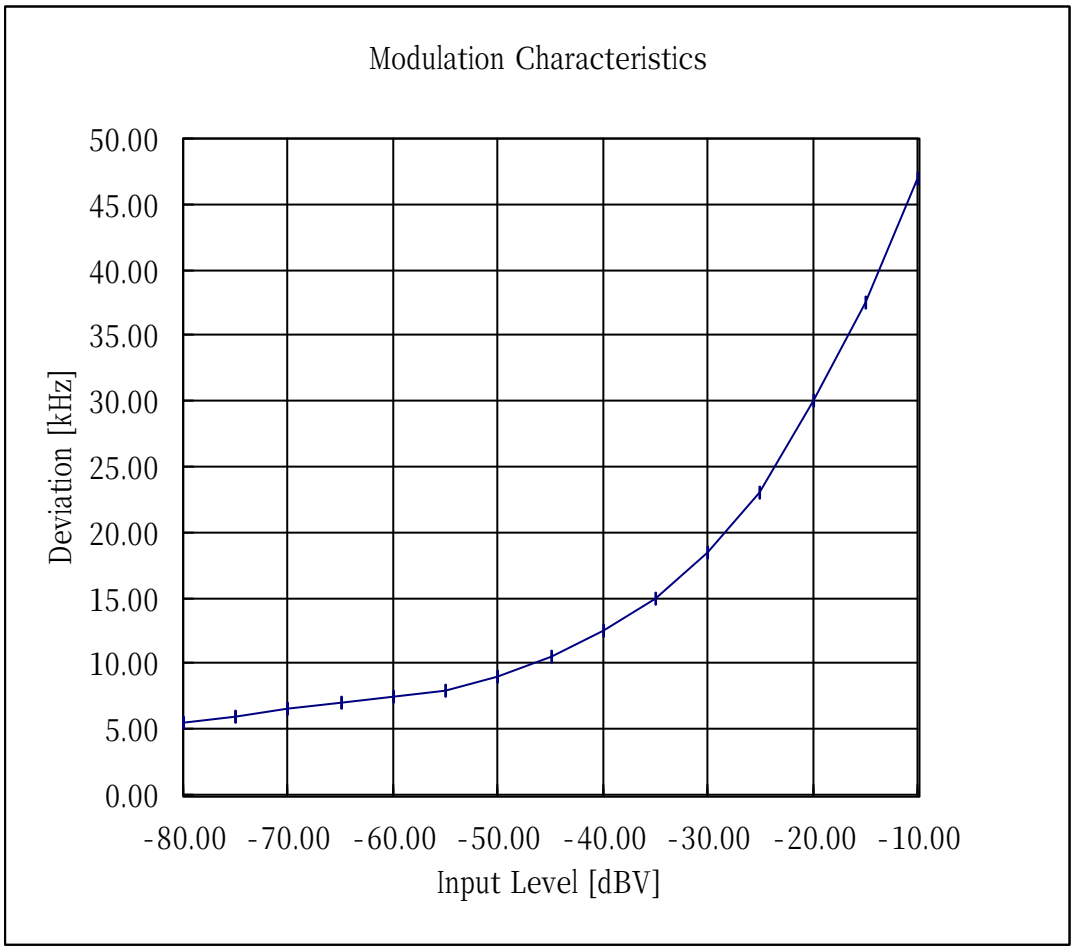
Input : 20kHz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

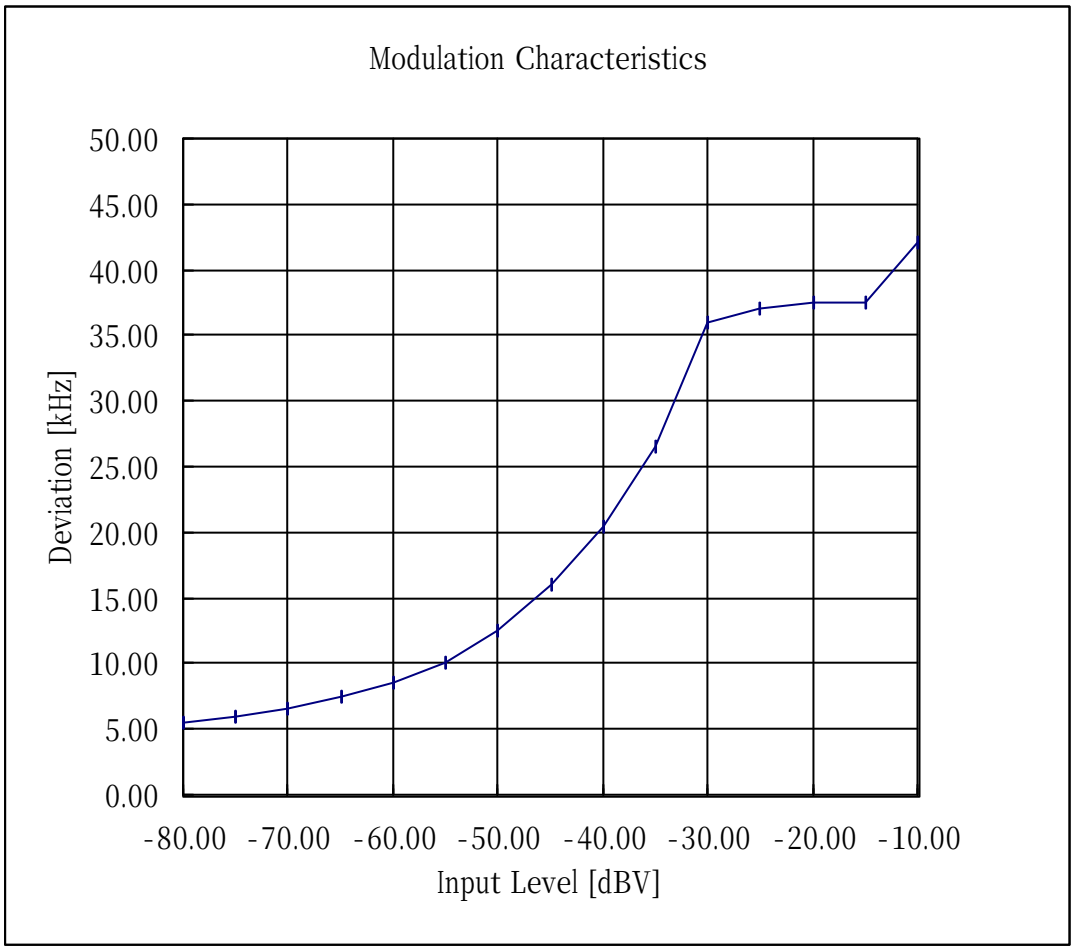
Input : 40Hz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

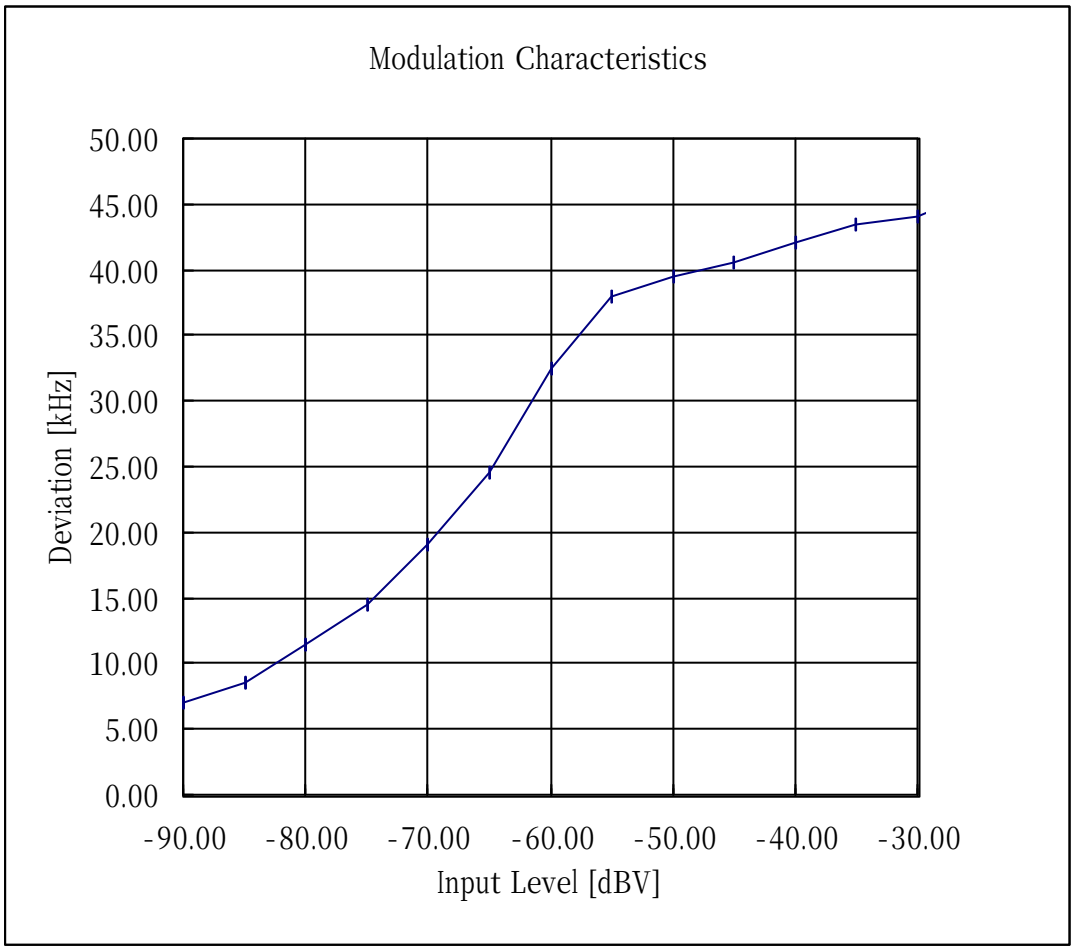
Input : 2.5kHz(Microphone)



Modulation Characteristics

Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

Input : 20kHHz(Microphone)



Frequency Stability Measurement

Sony corporation
UHF Synthesized Transmitter Unit
Model : WRT-8B

Date : 2001/12/14(Ch:62-01)
Date : 2001/12/17(Ch:66-01/69-47)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

Tested by :
Naoki Sakamoto

CH:62-01(758.125MHz)

	DC3.0V			DC1.9V		
℃	Measure (MHz)	Error (MHz)	Error (%)	Measure (MHz)	Error (MHz)	Error (%)
-30	758.1271618	-0.0021618	-0.0002852	758.1272624	-0.0022624	-0.0002984
-20	758.1271962	-0.0021962	-0.0002897	758.1272431	-0.0022431	-0.0002959
-10	758.1278223	-0.0028223	-0.0003723	758.1278323	-0.0028323	-0.0003736
0	758.1277086	-0.0027086	-0.0003573	758.1127714	0.0122286	0.0016130
10	758.1266701	-0.0016701	-0.0002203	758.1266353	-0.0016353	-0.0002157
20	758.1263173	-0.0013173	-0.0001738	758.1262489	-0.0012489	-0.0001647
30	758.1254895	-0.0004895	-0.0000646	758.1254999	-0.0004999	-0.0000659
40	758.1243045	0.0006955	0.0000917	758.1243608	0.0006392	0.0000843
50	758.1241388	0.0008612	0.0001136	758.1242034	0.0007966	0.0001051

CH:66-01(782.125MHz)

	DC3.0V			DC1.9V		
℃	Measure (MHz)	Error (MHz)	Error (%)	Measure (MHz)	Error (MHz)	Error (%)
-30	782.1237782	0.0012218	0.0001612	782.1240708	0.0009292	0.0001226
-20	782.1222391	0.0027609	0.0003642	782.1225643	0.0024357	0.0003213
-10	782.1240482	0.0009518	0.0001255	782.1241755	0.0008245	0.0001088
0	782.1266321	-0.0016321	-0.0002153	782.1267543	-0.0017543	-0.0002314
10	782.1263909	-0.0013909	-0.0001835	782.1263404	-0.0013404	-0.0001768
20	782.1261046	-0.0011046	-0.0001457	782.1260980	-0.0010980	-0.0001448
30	782.1253798	-0.0003798	-0.0000501	782.1253809	-0.0003809	-0.0000502
40	782.1246450	0.0003550	0.0000468	782.1246561	0.0003439	0.0000454
50	782.1244716	0.0005284	0.0000697	782.1244729	0.0005271	0.0000695

CH:69-47(805.875MHz)

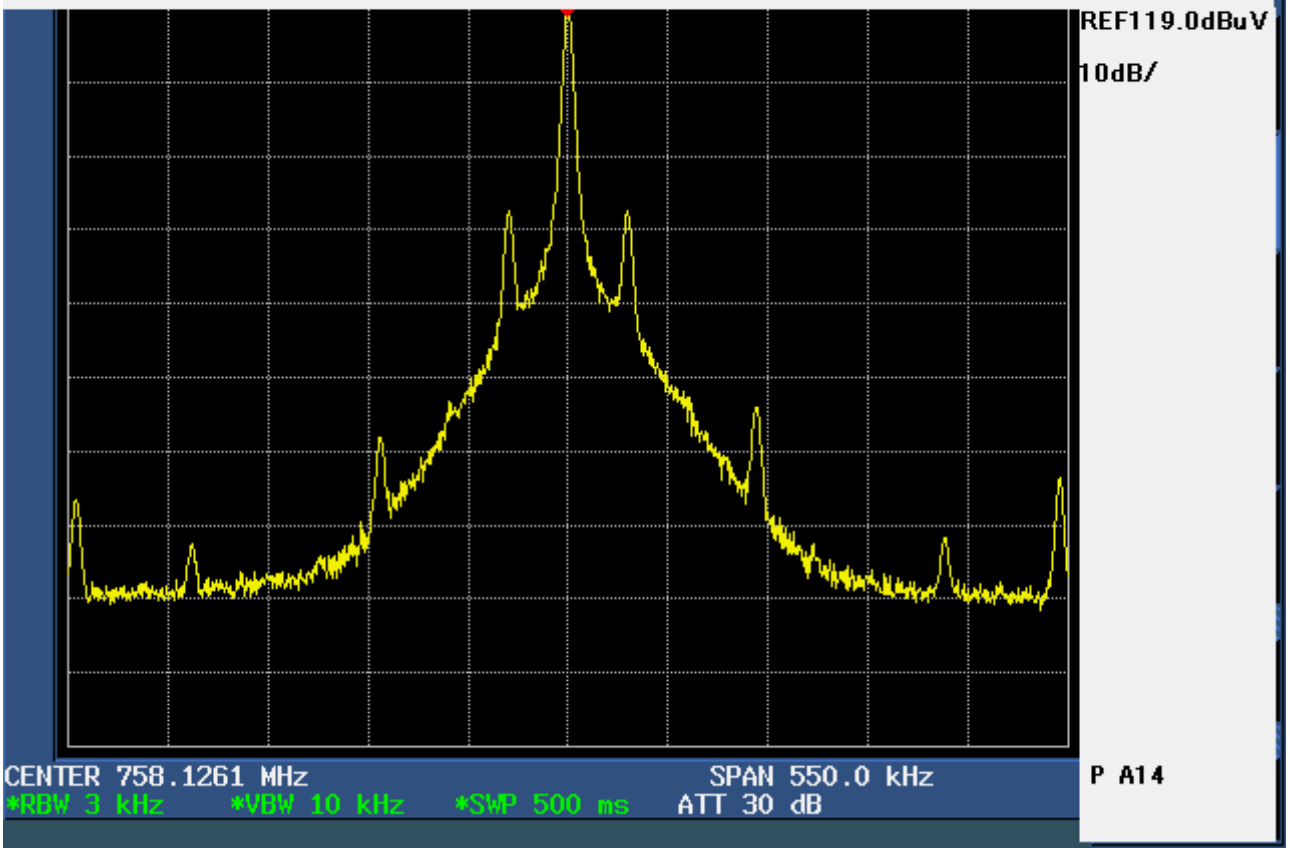
	DC3.0V			DC1.9V		
℃	Measure (MHz)	Error (MHz)	Error (%)	Measure (MHz)	Error (MHz)	Error (%)
-30	805.8708442	0.0041558	0.0005482	805.8717796	0.0032204	0.0004248
-20	805.8738823	0.0011177	0.0001474	805.8741992	0.0008008	0.0001056
-10	805.8744932	0.0005068	0.0000668	805.8748199	0.0001801	0.0000238
0	805.8768133	-0.0018133	-0.0002392	805.8766633	-0.0016633	-0.0002194
10	805.8764092	-0.0014092	-0.0001859	805.8763664	-0.0013664	-0.0001802
20	805.8754931	-0.0004931	-0.0000650	805.8754844	-0.0004844	-0.0000639
30	805.8751523	-0.0001523	-0.0000201	805.8751544	-0.0001544	-0.0000204
40	805.8744374	0.0005626	0.0000742	805.8744412	0.0005588	0.0000737
50	805.8741441	0.0008559	0.0001129	805.8741582	0.0008418	0.0001110

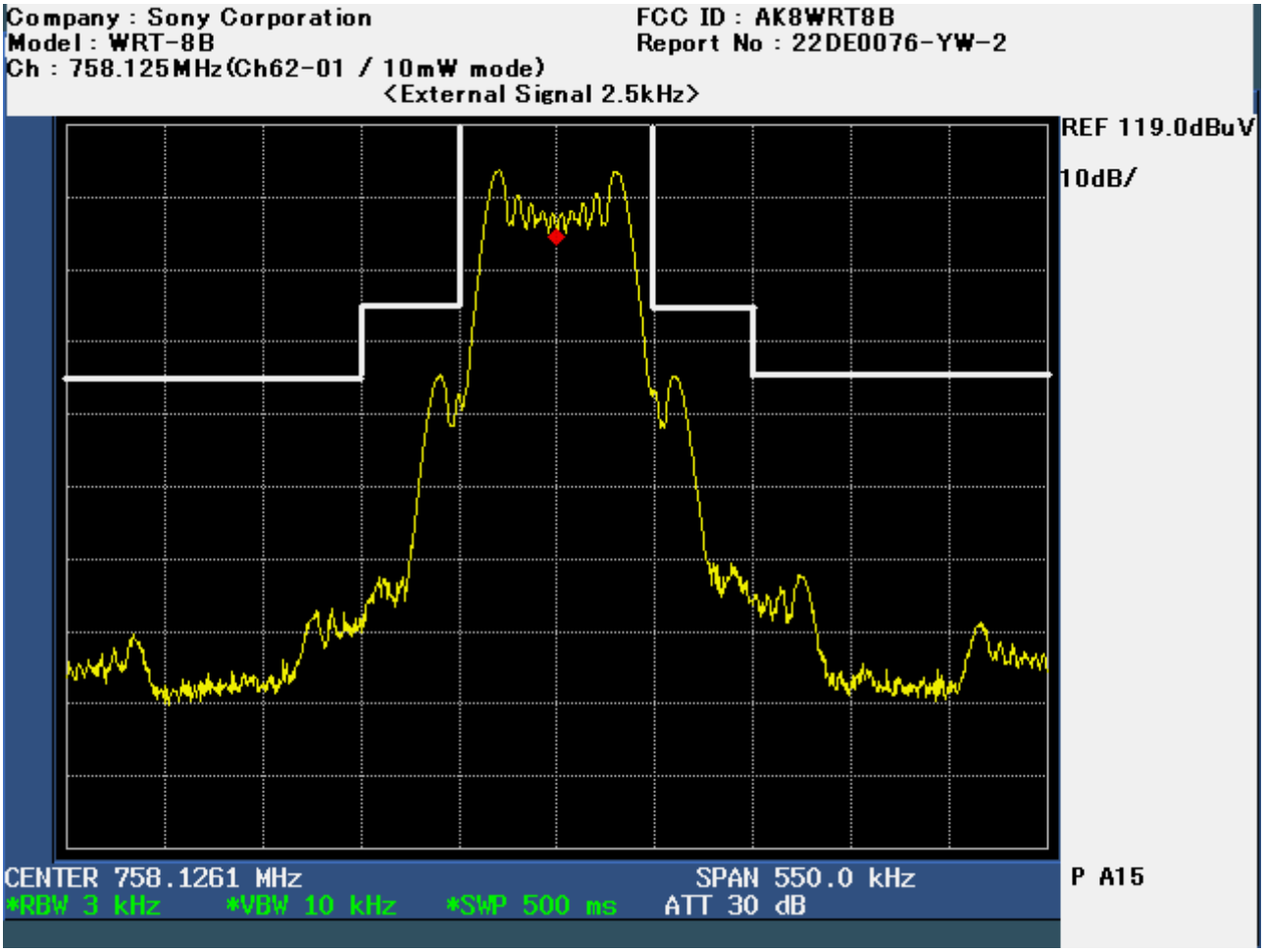
Limit :±0.005%

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01 / 10mW mode)

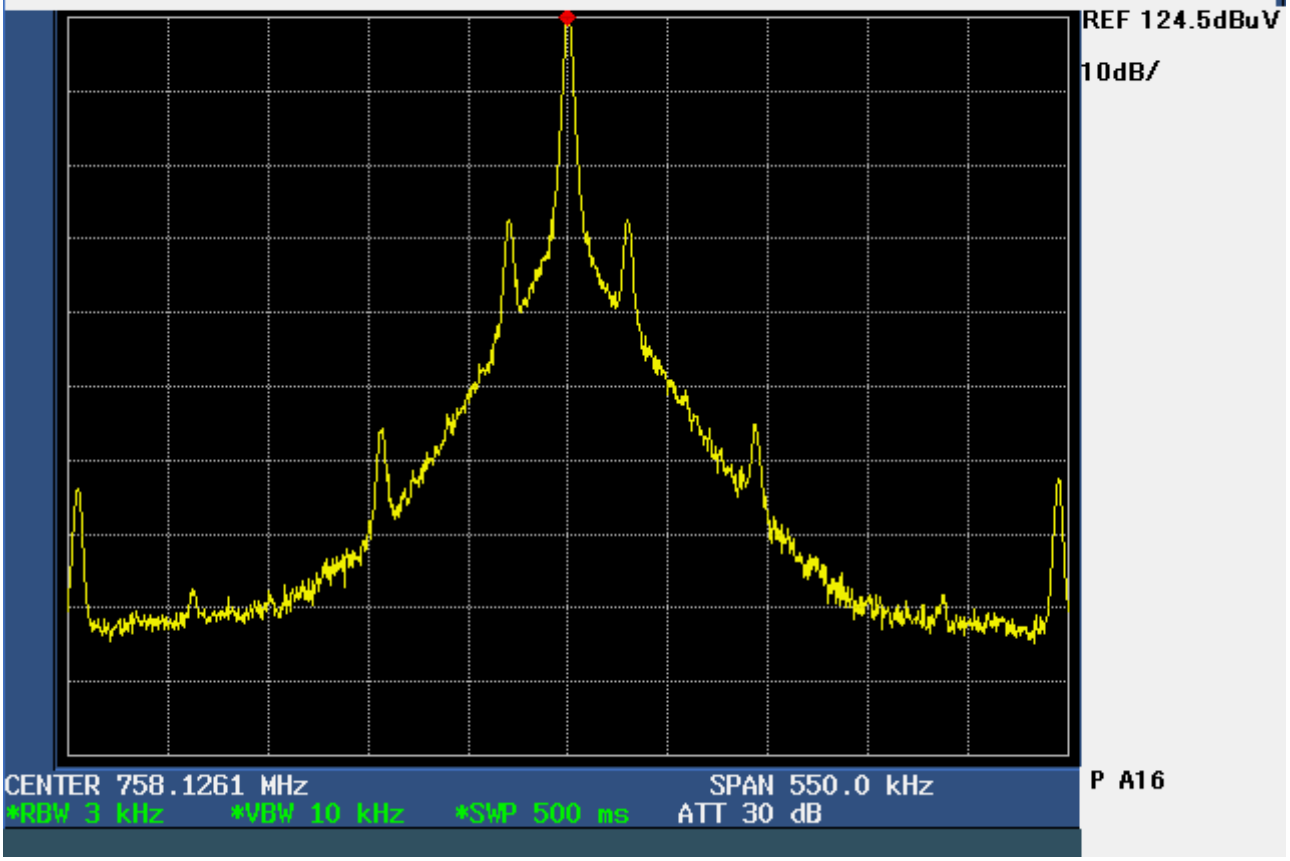
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

<Reference Carrier Level>

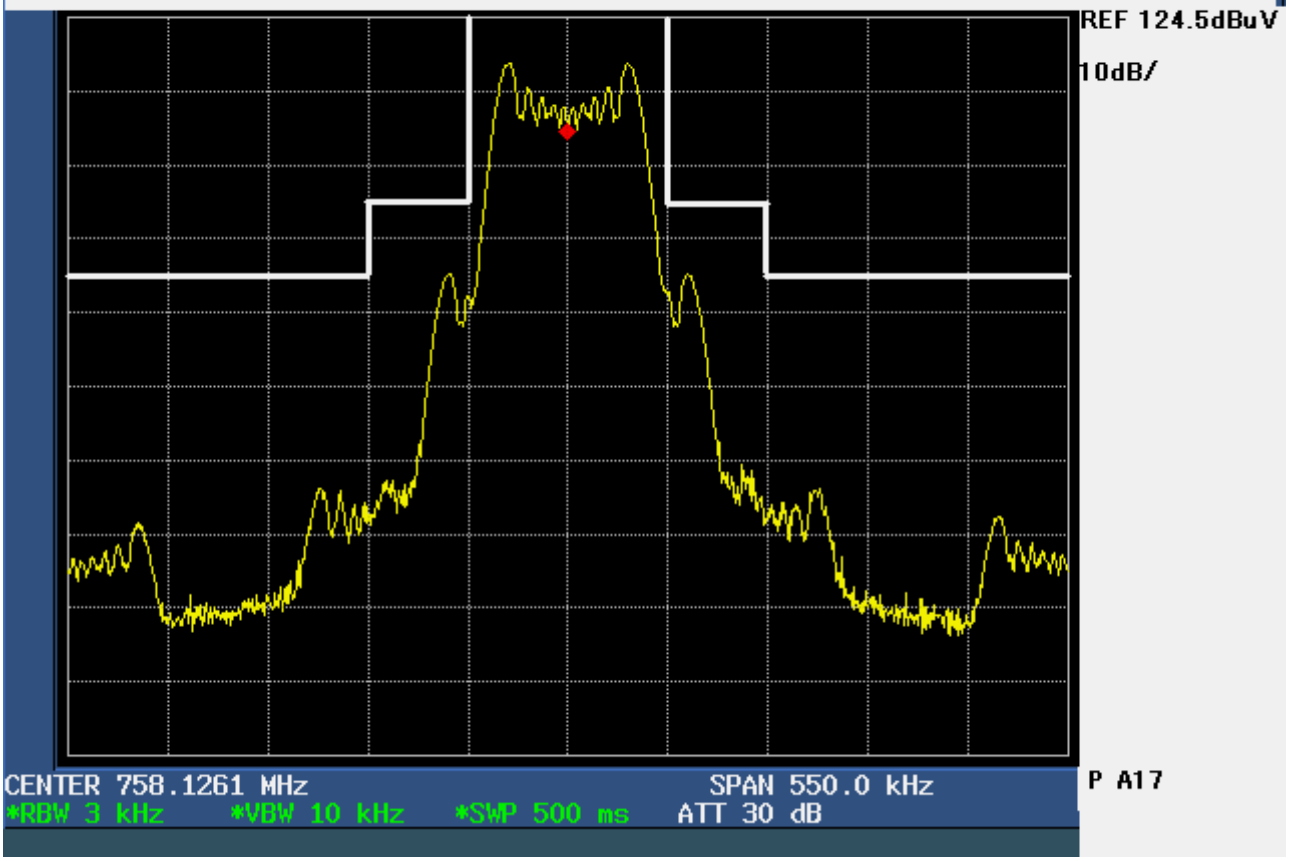


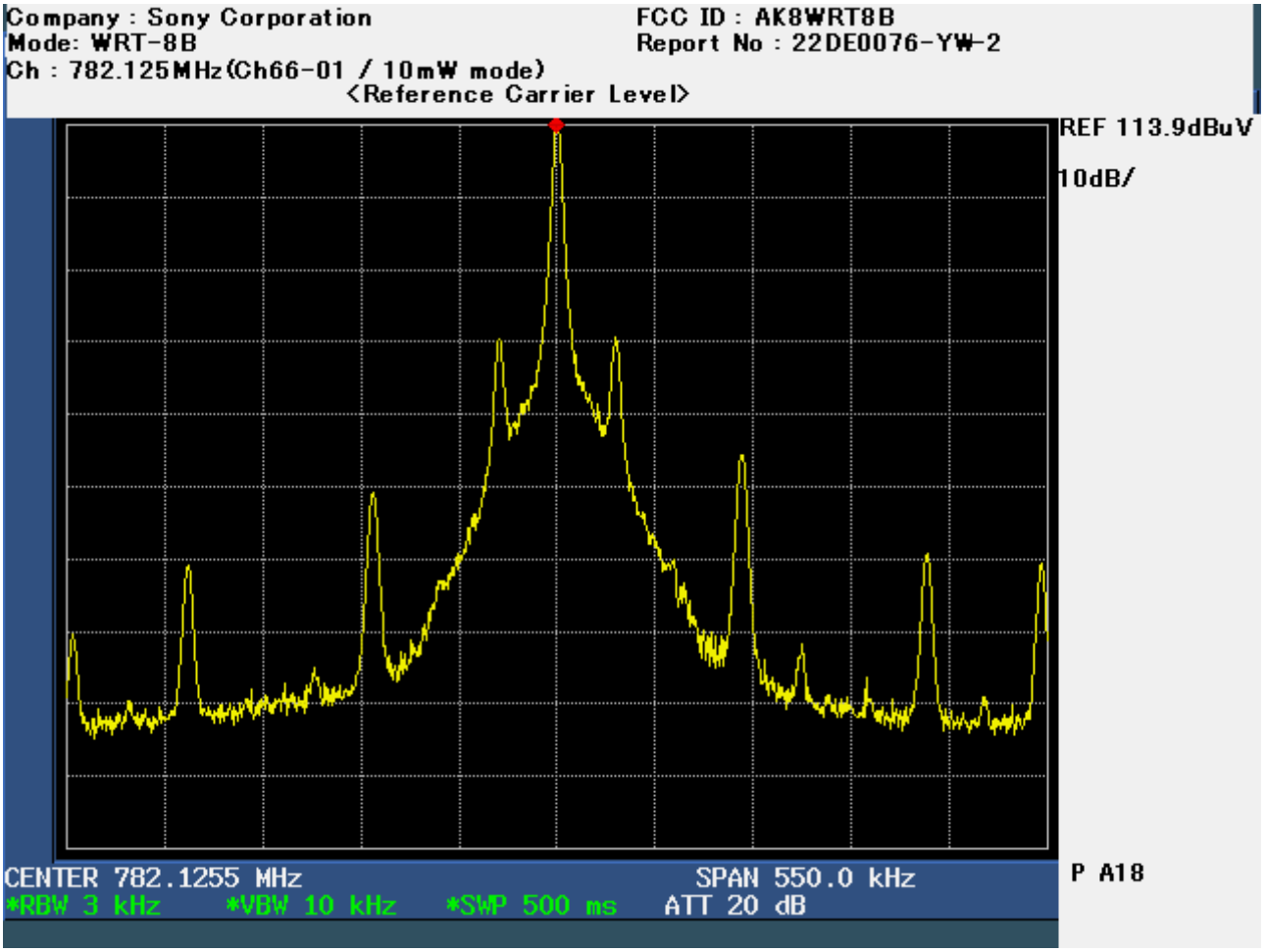

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01 / 10mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<External Signal 2.5kHz>
REF 119.0dBuV
10dB/
CENTER 758.1261 MHz
SPAN 550.0 kHz
*RBW 3 kHz
*VBW 10 kHz
*SWP 500 ms
ATT 30 dB
P A15

Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01 / 50mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<Reference Carrier Level>

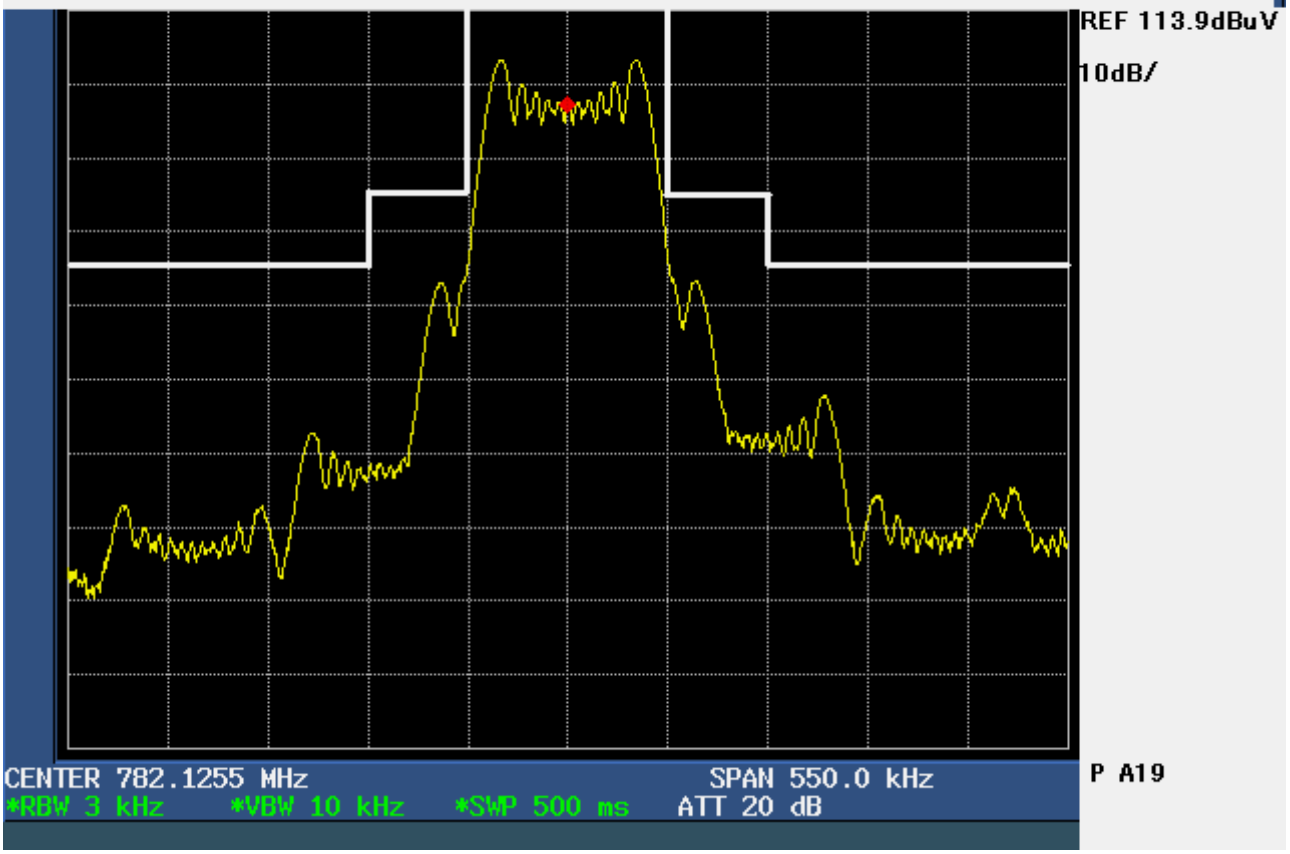


Company : Sony Corporation
Model : WRT-8B
Ch : 758.125MHz(Ch62-01 / 50mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<External Signal 2.5kHz>

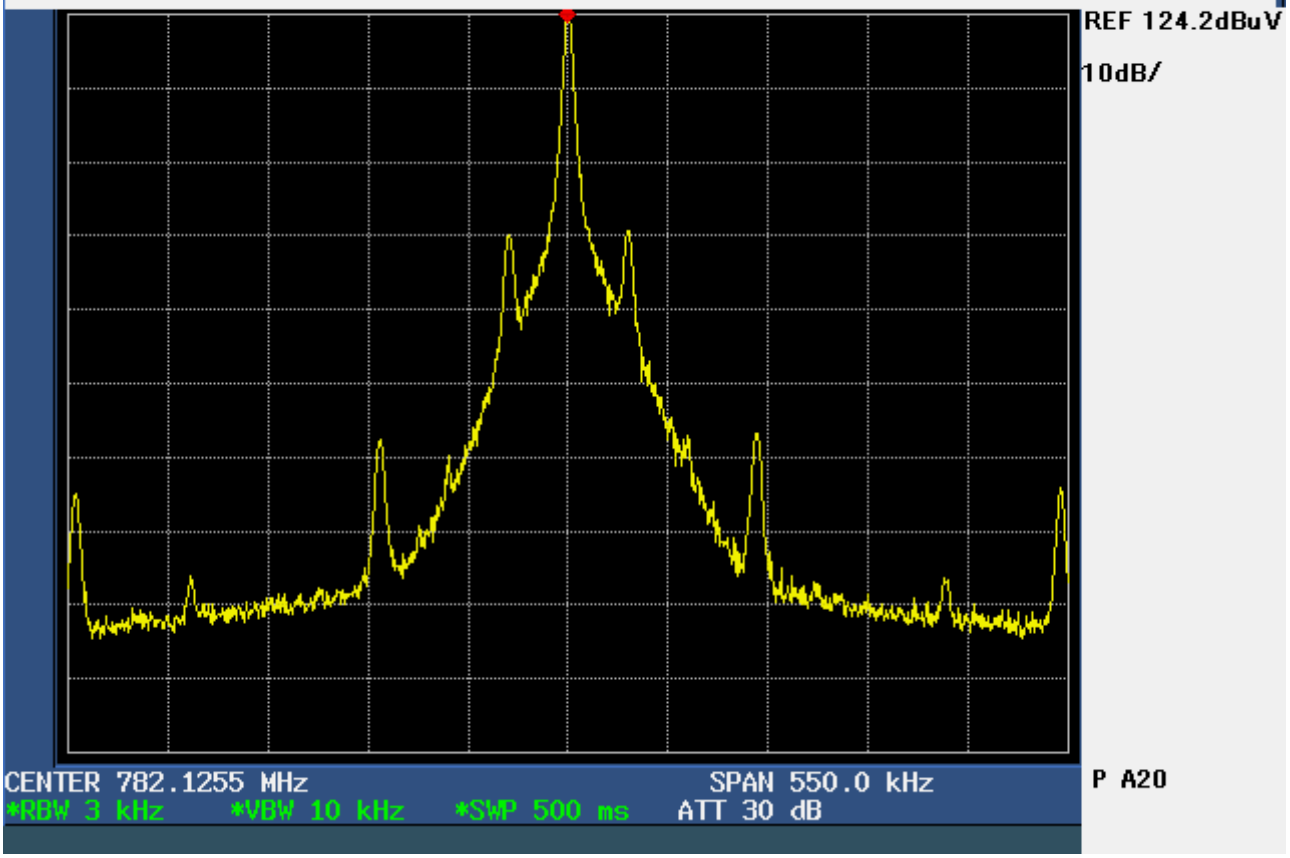


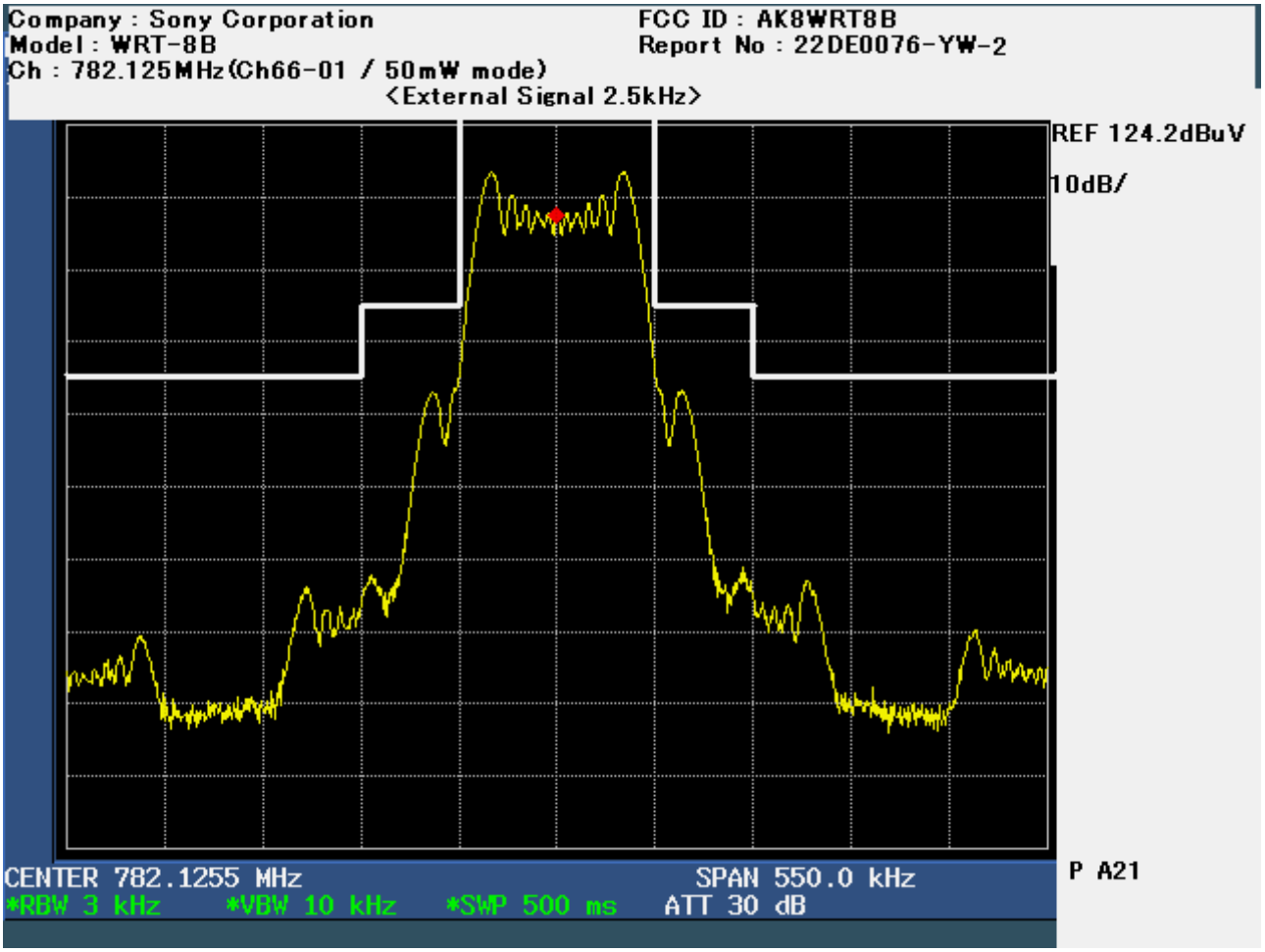

Company : Sony Corporation
FCC ID : AK8WRT8B
Mode: WRT-8B
Report No : 22DE0076-YW-2
Ch : 782.125MHz(Ch66-01 / 10mW mode)
<Reference Carrier Level>
REF 113.9dBuV
10dB/
CENTER 782.1255 MHz
SPAN 550.0 kHz
*RBW 3 kHz
*VBW 10 kHz
*SWP 500 ms
ATT 20 dB
P A18

Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01 / 10mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<External Signal 2.5kHz>

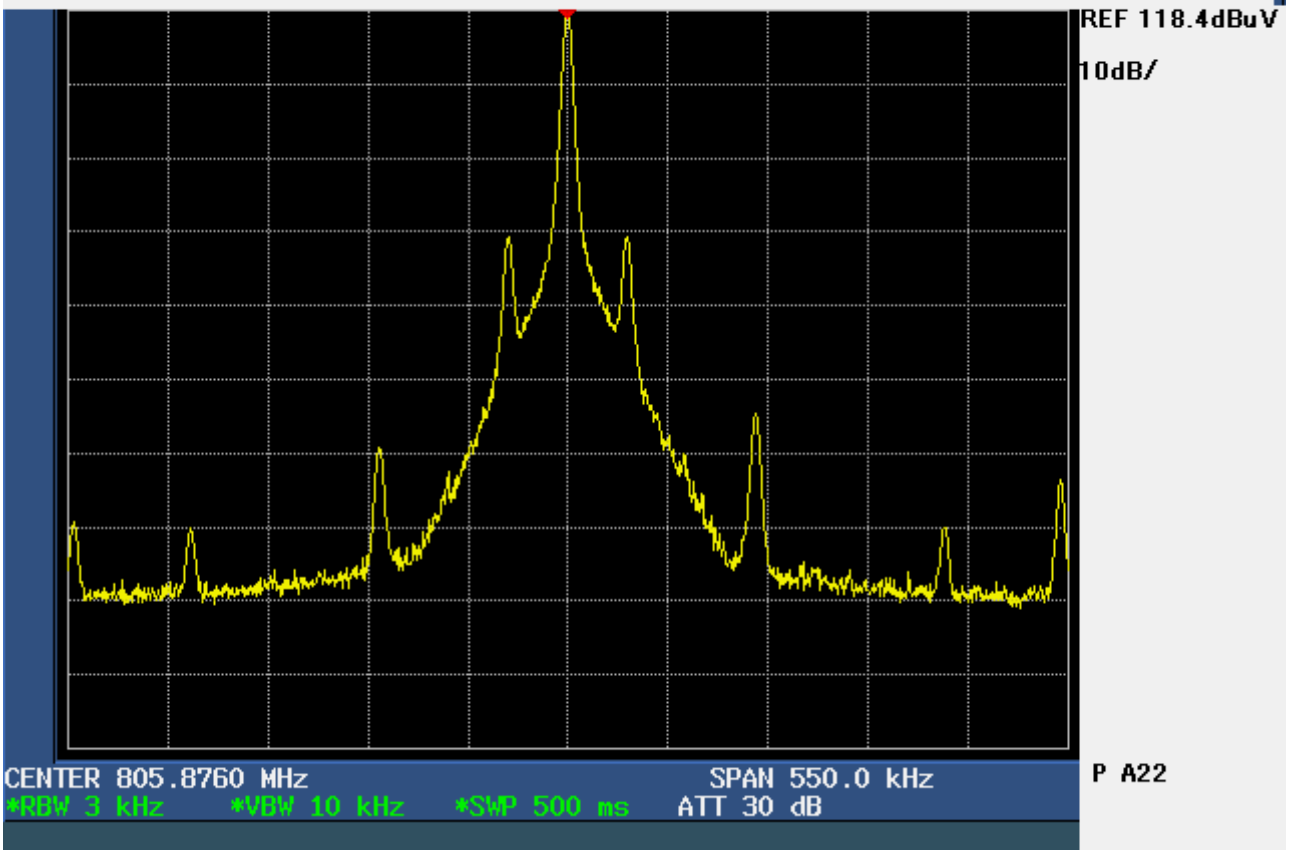


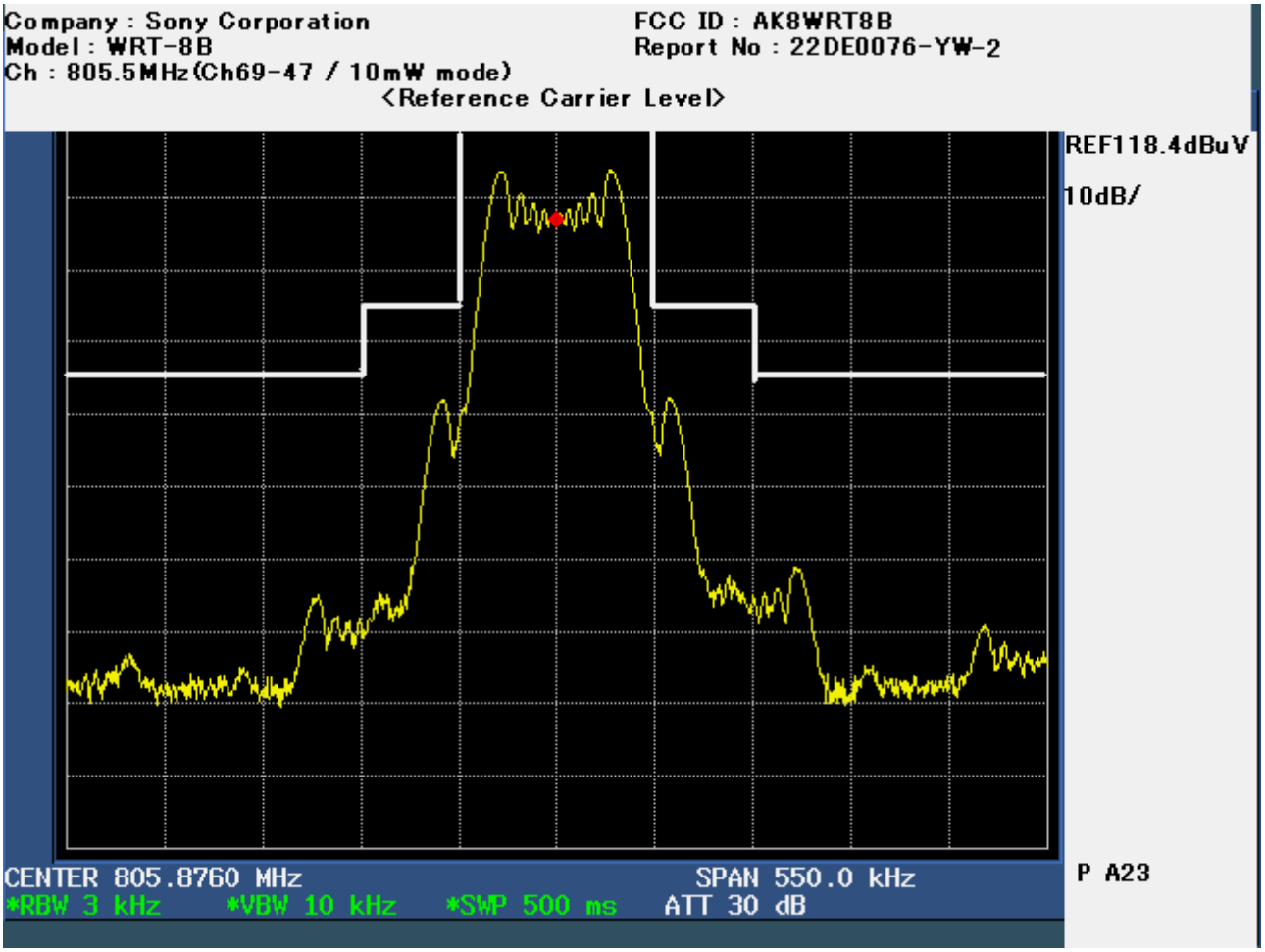
Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01 / 50mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<Reference Carrier Level>




Company : Sony Corporation
Model : WRT-8B
Ch : 782.125MHz(Ch66-01 / 50mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<External Signal 2.5kHz>
REF 124.2dBuV
10dB/
CENTER 782.1255 MHz
SPAN 550.0 kHz
*RBW 3 kHz
*VBW 10 kHz
*SWP 500 ms
ATT 30 dB
P A21

Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47 / 10mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<Reference Carrier Level>

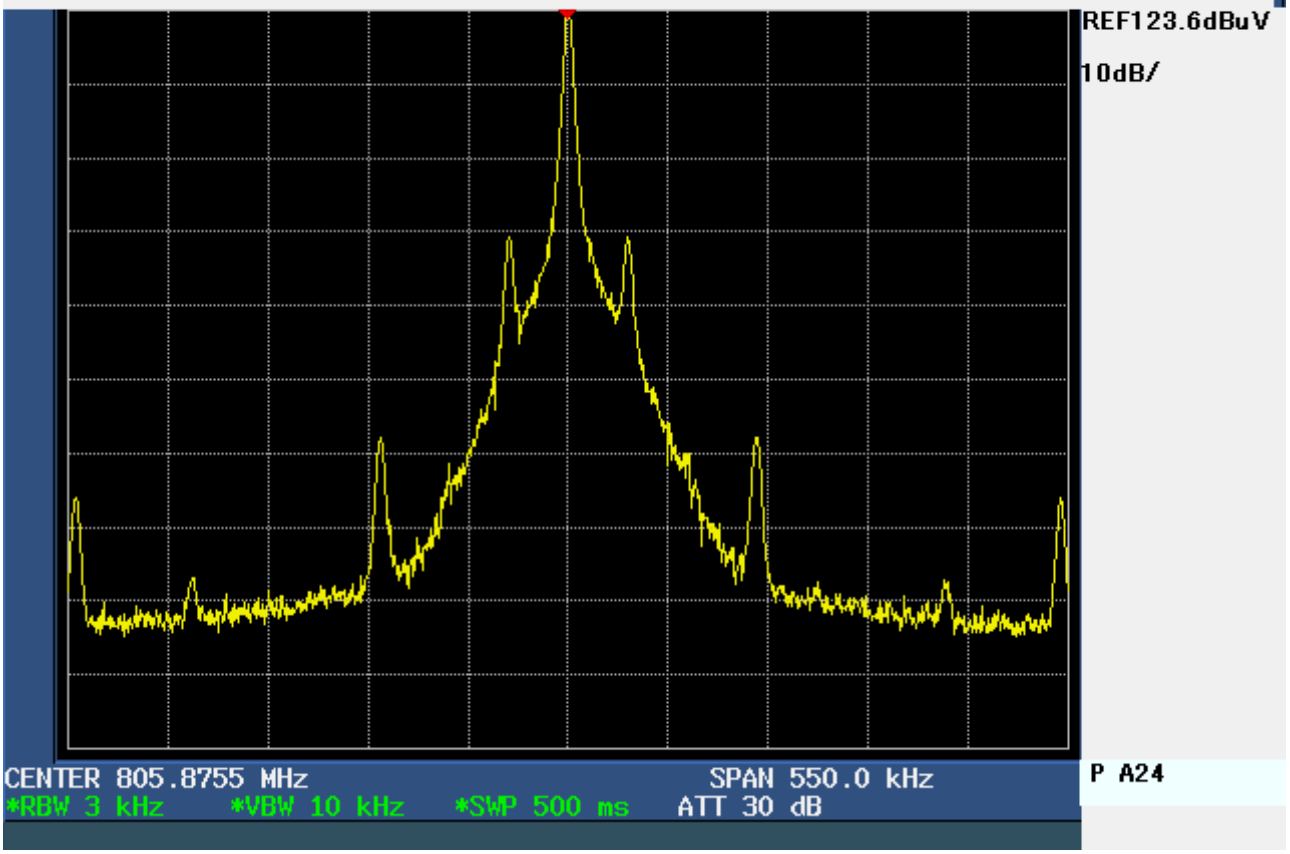



Company : Sony Corporation
Model : WRT-8B
Ch : 805.5MHz(Ch69-47 / 10mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<Reference Carrier Level>
REF118.4dBuV
10dB/
CENTER 805.8760 MHz
SPAN 550.0 kHz
*RBW 3 kHz
*VBW 10 kHz
*SWP 500 ms
ATT 30 dB
P A23

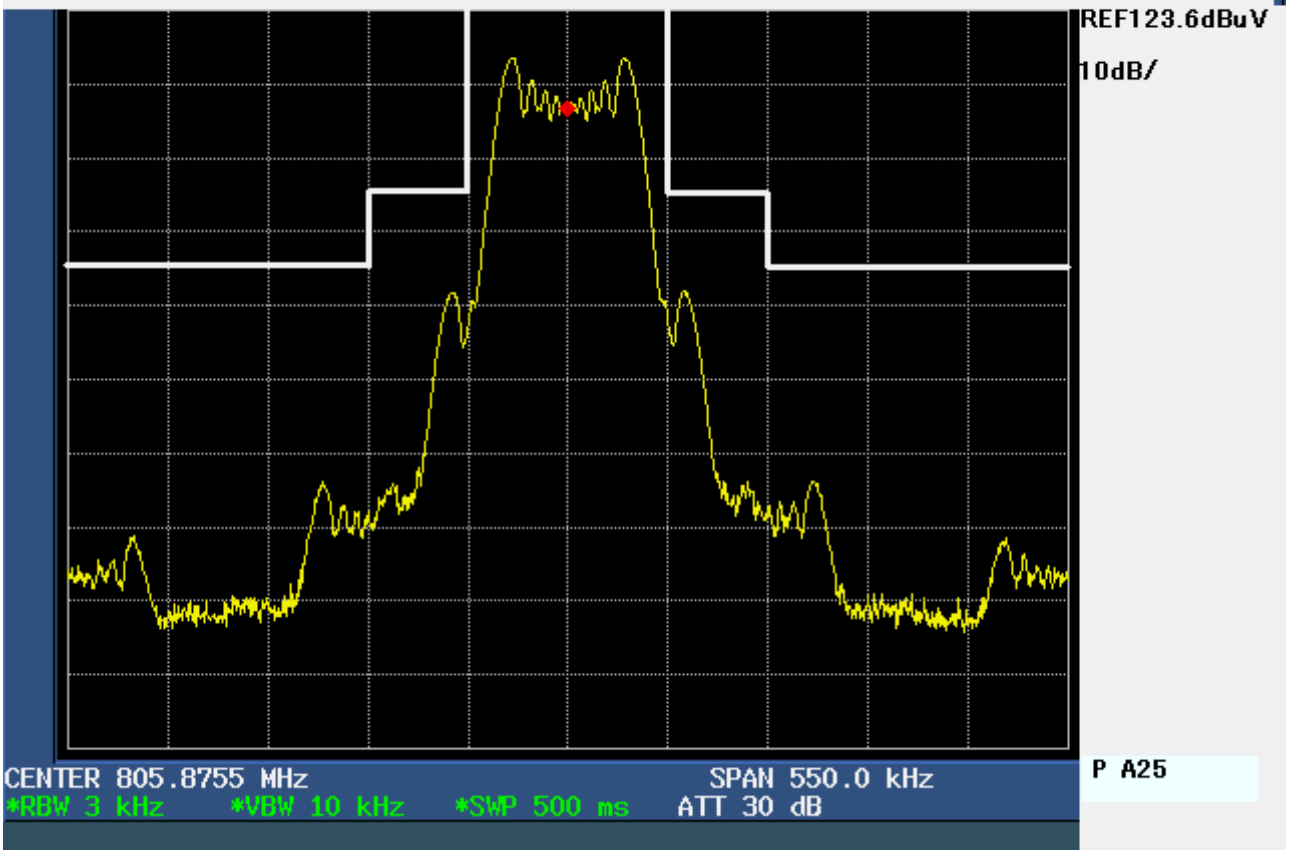
Company : Sony Corporation
Model : WRT-8B
Ch : 805.875MHz(Ch69-47 / 50mW mode)

FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2

<Reference Carrier Level>



Company : Sony Corporation
Model : WRT-8B
Ch : 805.5MHz(Ch69-47 / 50mW mode)
FCC ID : AK8WRT8B
Report No : 22DE0076-YW-2
<External Signal 2.5kHz>



Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:62-01)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 56.2mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:62-01(758.125MHz) 50mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1516.25	-42.2	-34.4	20.5	59.7	51.9
2	2274.38	-47.2	-46.5	20.5	64.7	64.0
3	3032.50	-40.4	-38.6	20.5	57.9	56.1
4	3790.63	-46.6	-45.7	20.5	64.1	63.2
5	4548.72	-40.9	-32.0	20.5	58.4	49.5
6	5306.87	-42.9	-43.3	20.5	60.4	60.8
7	6064.95	-53.4	-52.0	20.5	70.9	69.5
8	6823.13	-49.7	-50.9	20.5	67.2	68.4
9	7581.34	-51.9	-51.6	20.5	69.4	69.1

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:66-01)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 53.7mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:66-01(782.125MHz) 50mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1564.25	-42.4	-37.8	30.3	59.7	55.1
2	2346.38	-49.1	-48.9	30.3	66.4	66.2
3	3128.50	-45.9	-41.8	30.3	63.2	59.1
4	3910.63	-49.4	-49.0	30.3	66.7	66.3
5	4692.75	-49.8	-49.7	30.3	67.1	67.0
6	5474.88	-47.7	-48.6	30.3	65.0	65.9
7	6257.00	-53.5	-51.8	30.3	70.8	69.1
8	7039.13	-50.5	-50.8	30.3	67.8	68.1
9	7821.25	-51.7	-51.6	30.3	69.0	68.9

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

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Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:69-47)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 47.9mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:69-47(805.875MHz) 50mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1611.75	-42.1	-35.2	29.8	58.9	52.0
2	2417.63	-48.1	-47.1	29.8	64.9	63.9
3	3223.50	-42.9	-40.8	29.8	59.7	57.6
4	4029.38	-46.3	-46.1	29.8	63.1	62.9
5	4835.25	-43.8	-38.9	29.8	60.6	55.7
6	5641.13	-45.2	-46.1	29.8	62.0	62.9
7	6447.00	-53.3	-51.8	29.8	70.1	68.6
8	7252.88	-49.7	-50.8	29.8	66.5	67.6
9	8058.75	-51.8	-51.8	29.8	68.6	68.6

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

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Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:62-01)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 15.1mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:62-01(758.125MHz) 10mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1516.25	-48.7	-44.3	24.8	60.5	56.1
2	2274.38	-50.1	-55.0	24.8	61.9	66.8
3	3032.50	-50.3	-52.8	24.8	62.1	64.6
4	3790.63	-47.9	-47.7	24.8	59.7	59.5
5	4548.72	-42.4	-38.9	24.8	54.2	50.7
6	5306.87	-52.3	-47.7	24.8	64.1	59.5
7	6064.95	-54.2	-53.3	24.8	66.0	65.1
8	6823.13	-51.8	-52.3	24.8	63.6	64.1
9	7581.34	-52.4	-52.1	24.8	64.2	63.9

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

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Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:66-01)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 4.4mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:66-01(782.125MHz) 10mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1564.25	-55.0	-51.7	19.4	61.4	58.1
2	2346.38	-51.9	-56.3	19.4	58.3	62.7
3	3128.50	-53.6	-49.4	19.4	60.0	55.8
4	3910.63	-48.1	-45.7	19.4	54.5	52.1
5	4692.75	-47.8	-49.2	19.4	54.2	55.6
6	5474.88	-52.0	-51.3	19.4	58.4	57.7
7	6257.00	-54.3	-53.6	19.4	60.7	60.0
8	7039.13	-52.0	-52.1	19.4	58.4	58.5
9	7821.25	-52.7	-52.4	19.4	59.1	58.8

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

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Data of Spurious Radiated Emission Test

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation
EQUIPMENT : Synthesized Transmitter Unit
MODEL : WRT-8B(Ch:69-47)
Supply Voltage : DC3.0V

REPORT NO : 22DE0076-YW-2
REGULATION : FCC74.861(e)(6)(iii)
TEST DISTANCE : 3m

Reference Carrier Power 13.8mW(e.r.p)

ENGINEER : Naoki Sakamoto

Ch:69-47(805.875MHz) 10mW mode

No.	FREQ [MHz]	Substituted Power HOR [dBm]	Substituted Power VER [dBm]	Limits [dB]	Attenuation Ratio HOR [dB]	Attenuation Ratio VER [dB]
1	1611.75	-49.5	-43.1	24.4	60.9	54.5
2	2417.63	-50.9	-56.5	24.4	62.3	67.9
3	3223.50	-49.5	-53.2	24.4	60.9	64.6
4	4029.38	-49.1	-48.8	24.4	60.5	60.2
5	4835.25	-43.8	-40.4	24.4	55.2	51.8
6	5641.13	-52.5	-48.5	24.4	63.9	59.9
7	6447.00	-54.0	-53.2	24.4	65.4	64.6
8	7252.88	-51.9	-52.3	24.4	63.3	63.7
9	8058.75	-52.9	-52.4	24.4	64.3	63.8

All other emissions are more than 20dB below the limits.

Attenuation = 10logTransmitter Power(e.r.p) / Spurious Power

Specified Limits:
Attenuation Ratio = 43 + 10log(mean output power in watt)

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