

Maximum Peak Conducted Output Power

UL Japan, Inc.
YAMAKITA No.4 Shielded Room

COMPANY : Sony Corporation	REPORT NO : 28BE0135-YK-01-A
EQUIPMENT : Wireless Audio Receiver	REGULATION : Fcc Part15SubpartC 247(b)(1)
MODEL NUMBER : DRC-BT15	DATE : 2007.10.23
SERIAL NUMBER : 108	TEMP./HUMI : 25deg.C/43%
FCC ID : AK8DRCBT15	
POWER : DC3.7V	
TEST MODE : Transmitting	ENGINEER : Makoto Hosaka

DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-4.63	0.60	-4.03	20.96	24.99
Mid	2441.00	-3.11	0.60	-2.51	20.96	23.47
High	2480.00	-2.87	0.60	-2.27	20.96	23.23
Inquiry	-	-8.61	0.60	-8.01	20.96	28.97

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:0.60dB

2DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-7.96	0.60	-7.36	20.96	28.32
Mid	2441.00	-7.16	0.60	-6.56	20.96	27.52
High	2480.00	-7.82	0.60	-7.22	20.96	28.18

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:0.60dB

3DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-7.98	0.60	-7.38	20.96	28.34
Mid	2441.00	-7.12	0.60	-6.52	20.96	27.48
High	2480.00	-7.66	0.60	-7.06	20.96	28.02

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:0.60dB

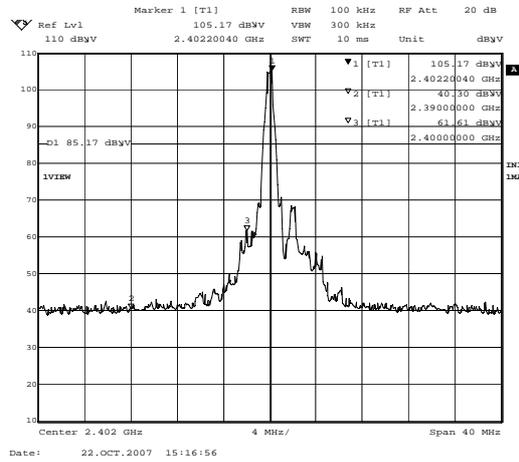
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

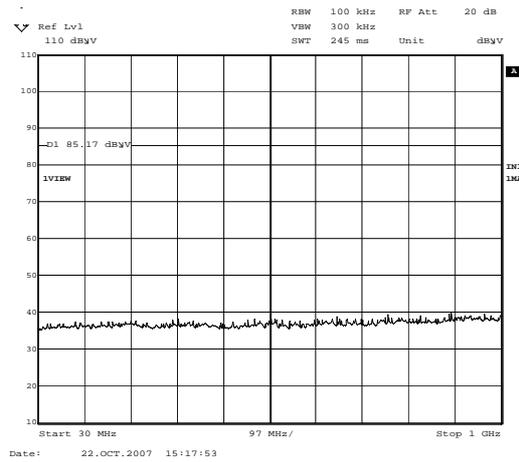
UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

[Transmitting DH5]
Ch:2402MHz

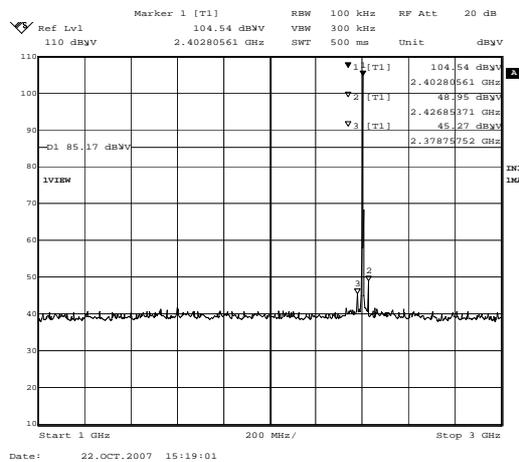
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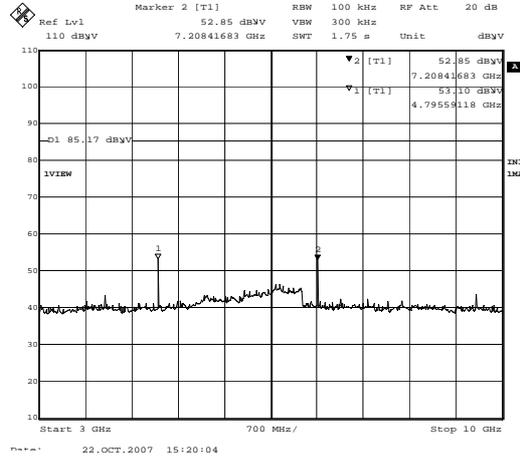
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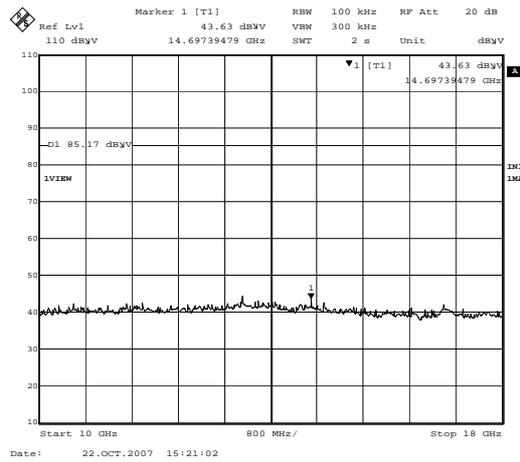
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ENGINEER : Makoto Hosaka

[Transmitting DH5]
Ch:2402MHz

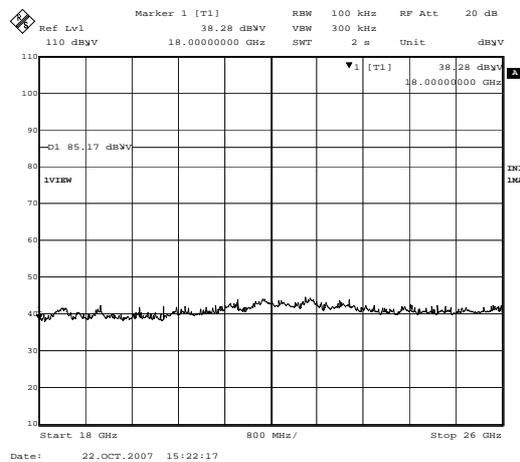
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

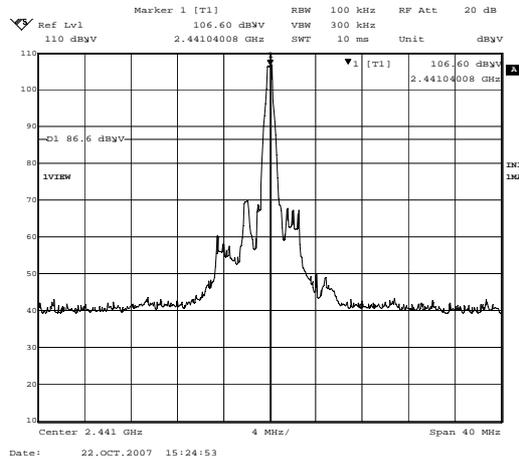
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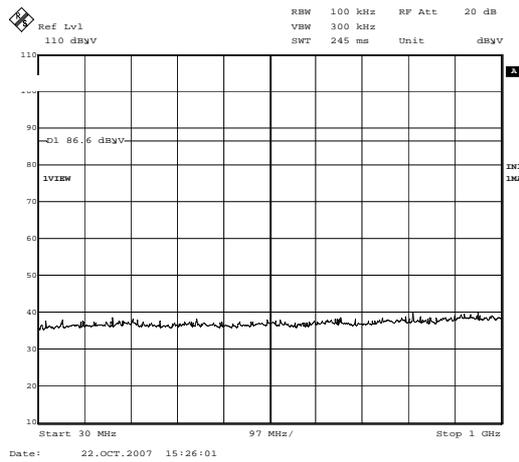
[Transmitting DH5]

Ch:2441MHz

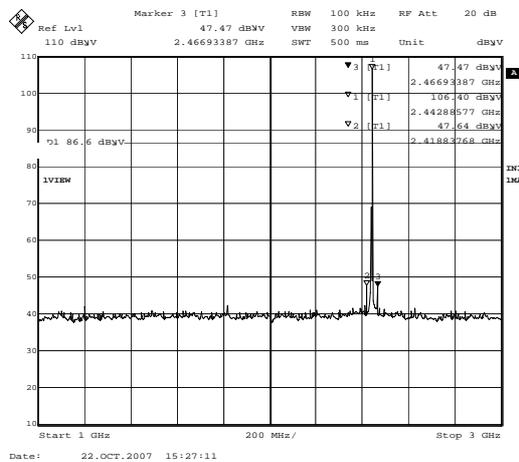
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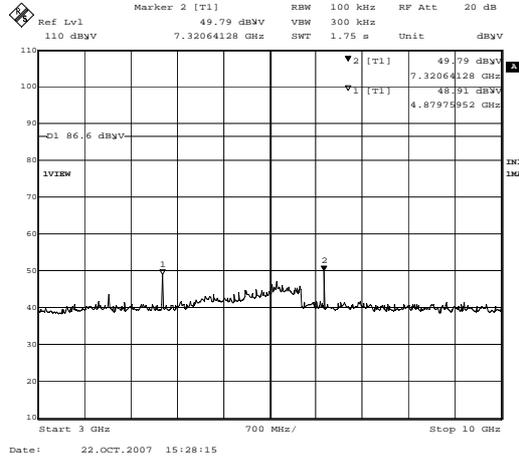
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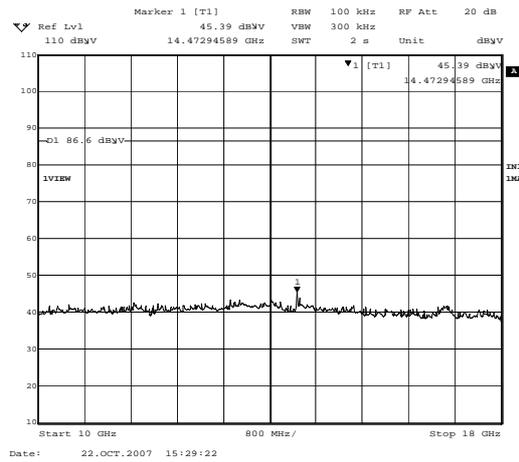
[Transmitting DHS]

Ch:2441MHz

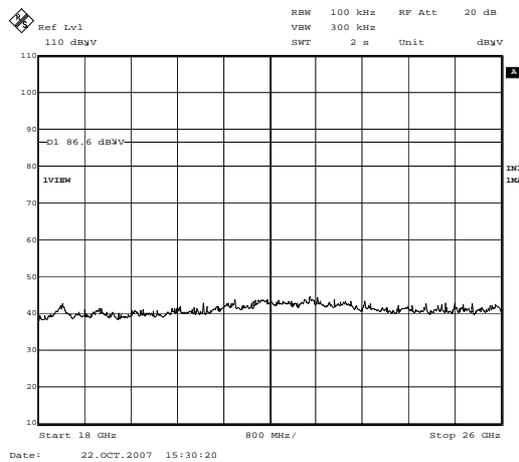
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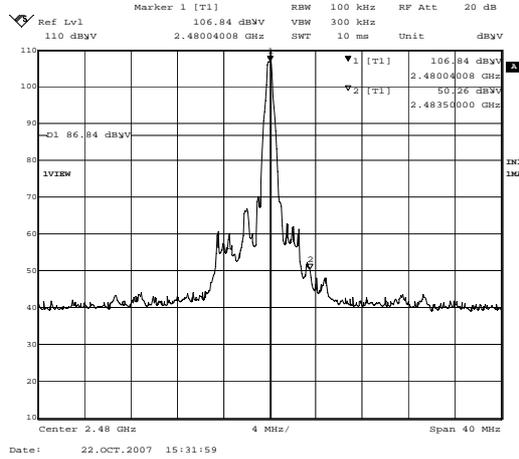
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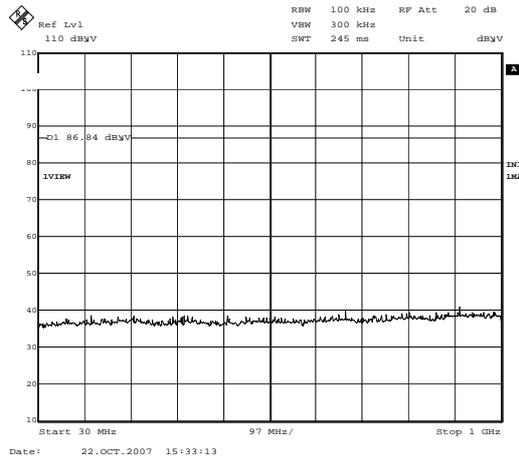
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[Transmitting DH5]
Ch:2480MHz

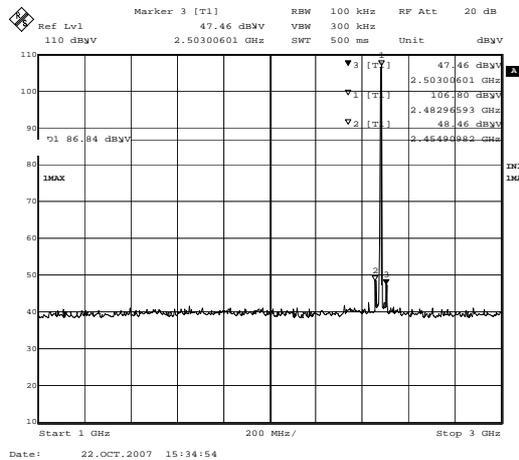
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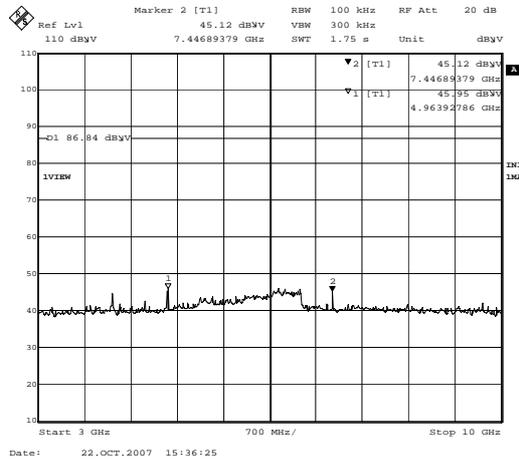
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POWER : DC3.7V

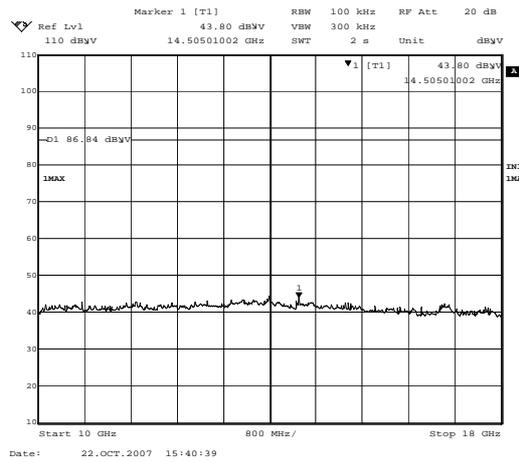
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ENGINEER : Makoto Hosaka

[Transmitting DH5]
Ch:2480MHz

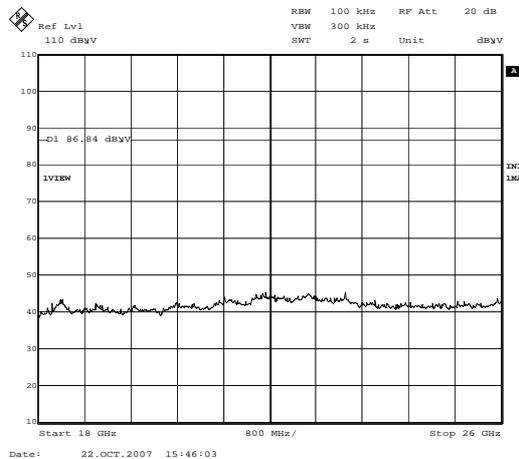
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

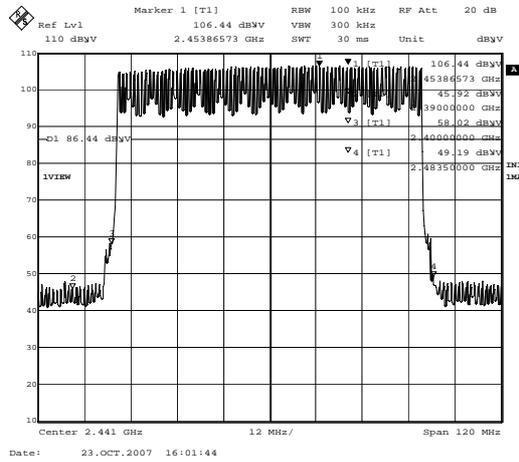
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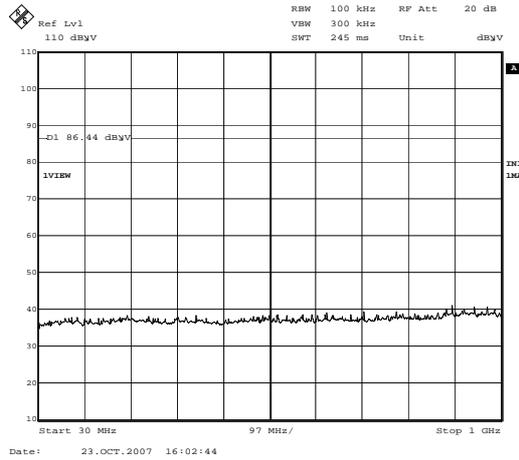
[Transmitting DH5]

Hopping

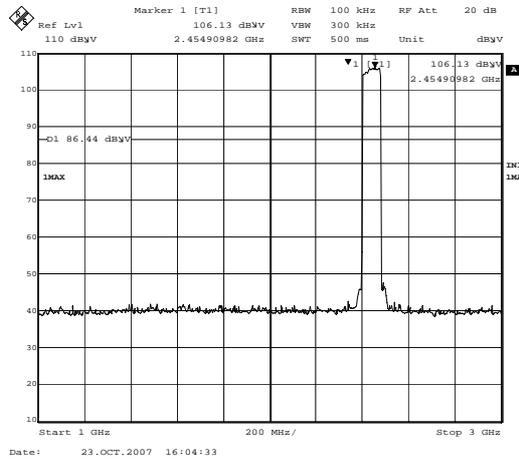
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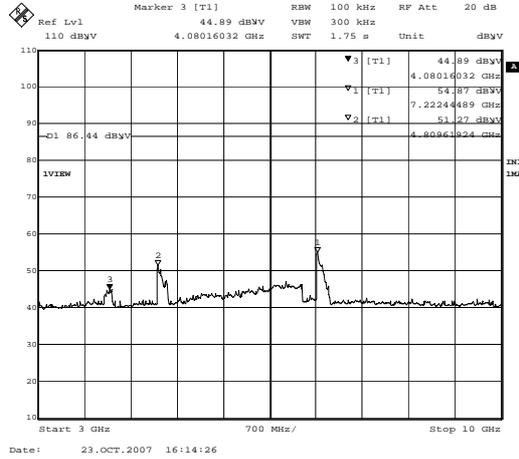
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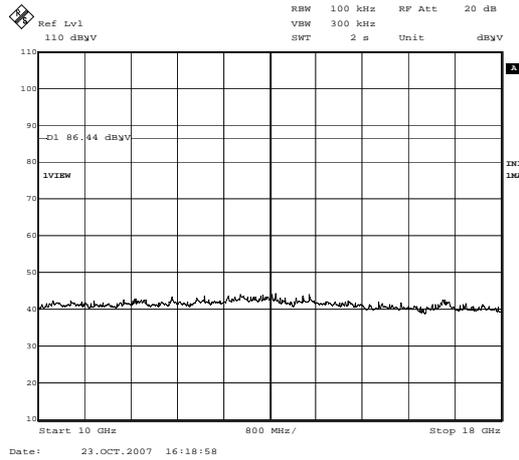
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Hopping

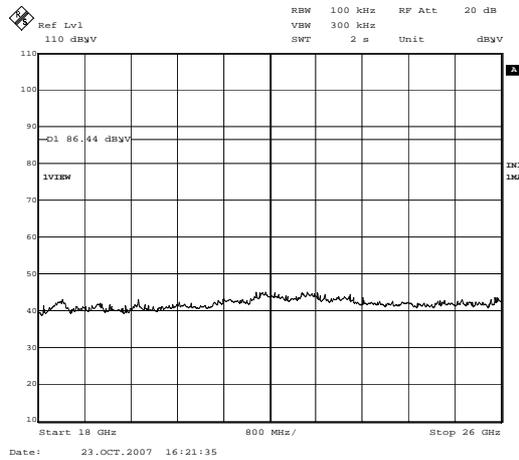
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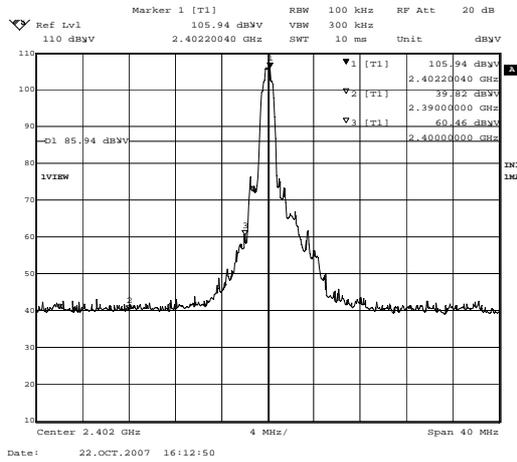
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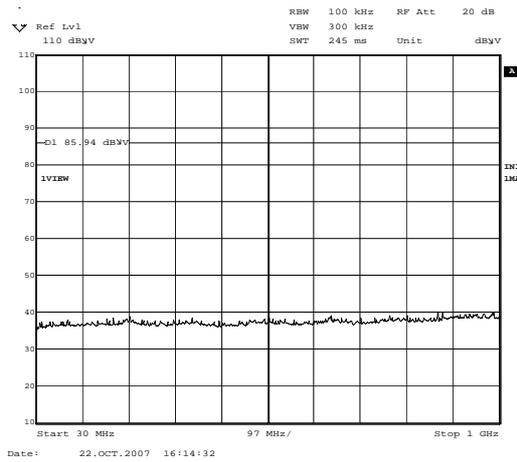
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[Transmitting 3DH5]
Ch:2402MHz

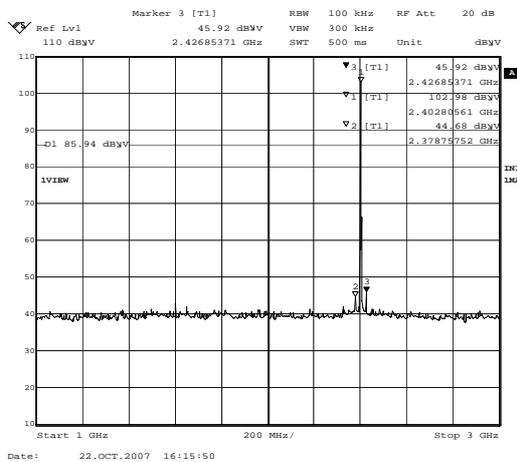
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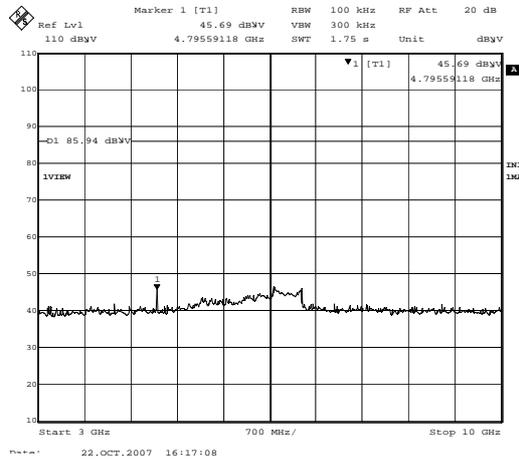
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

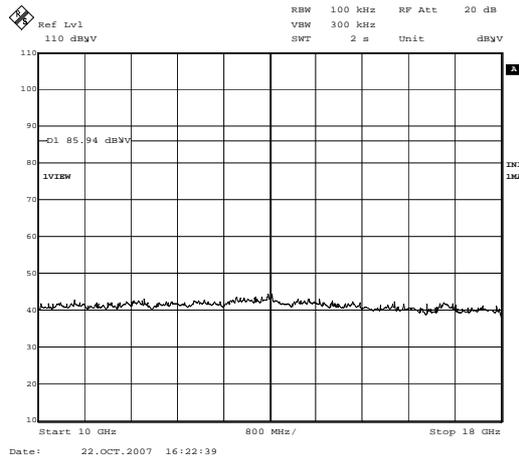
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TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

[Transmitting 3DH5]
Ch:2402MHz

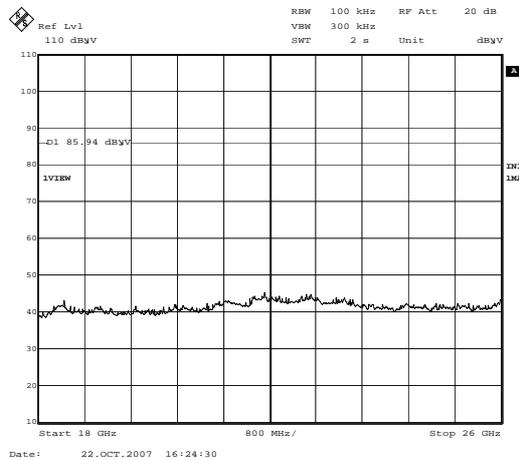
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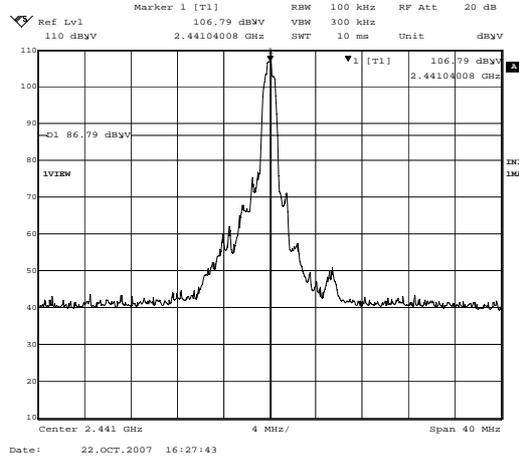
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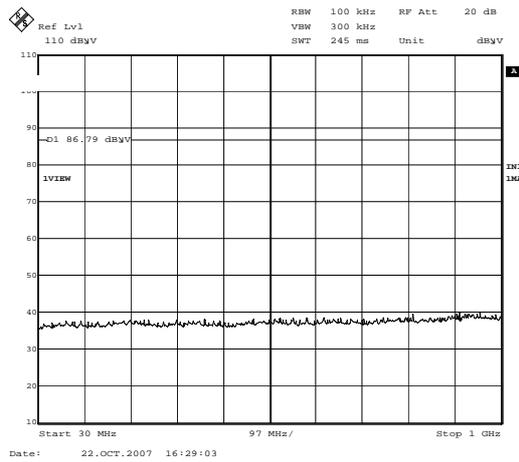
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TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

[Transmitting 3DH5]
Ch:2441MHz

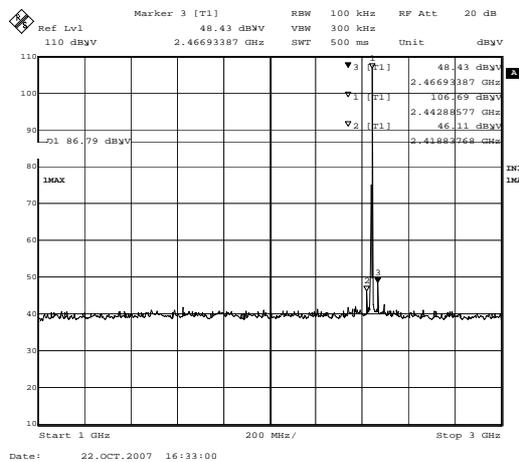
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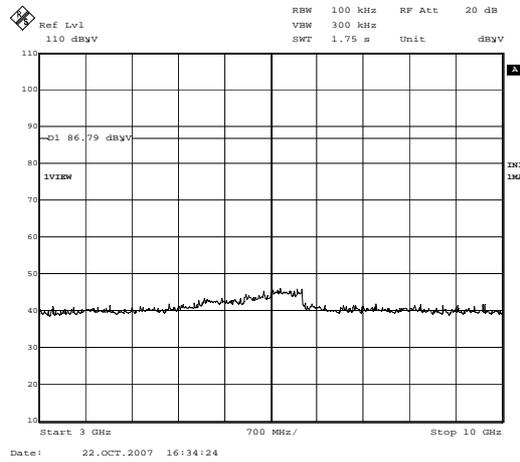
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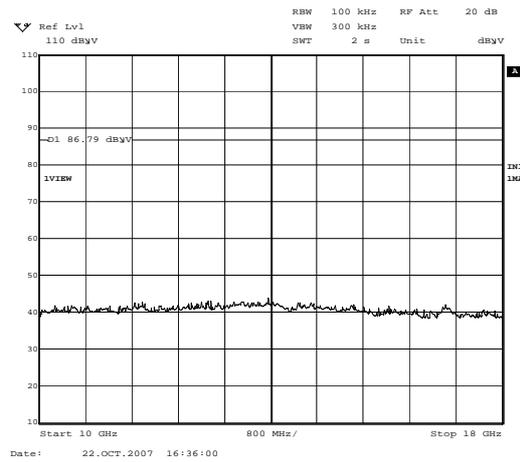
[Transmitting 3DH5]

Ch:2441MHz

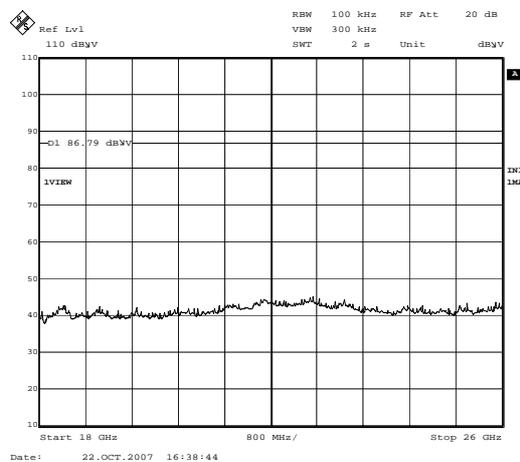
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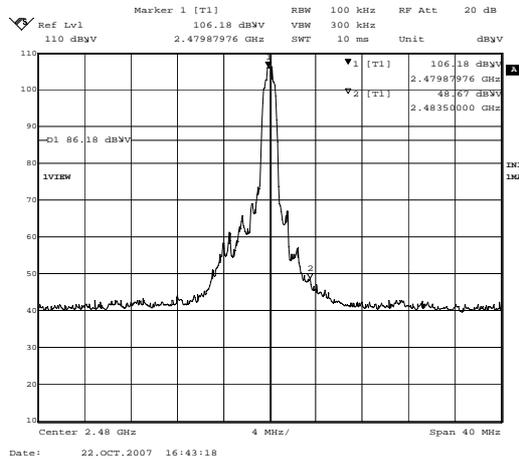
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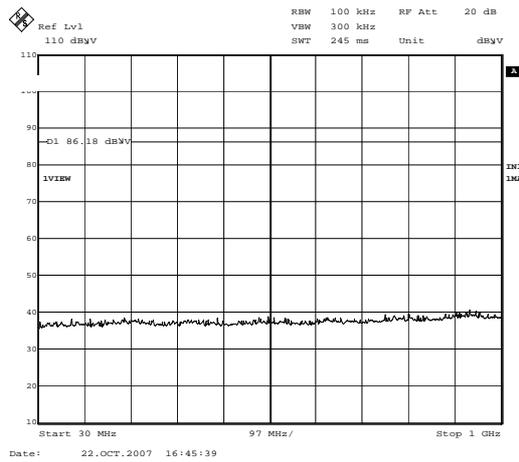
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TEMP./HUMI : 25deg.C./45%
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[Transmitting 3DH5]
Ch:2480MHz

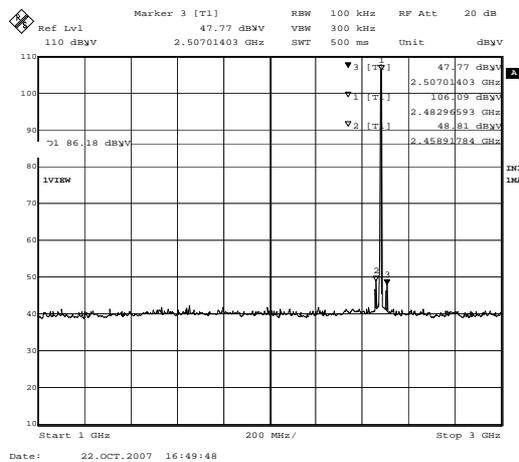
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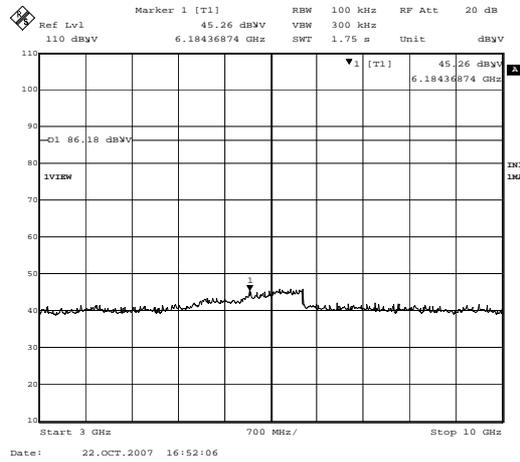
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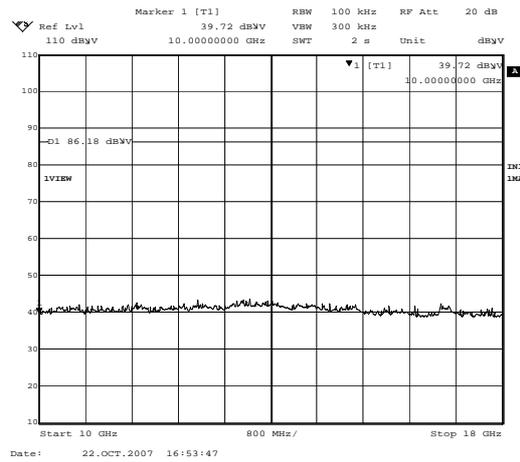
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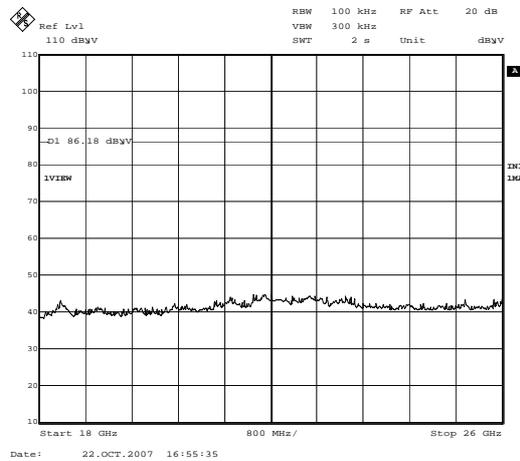
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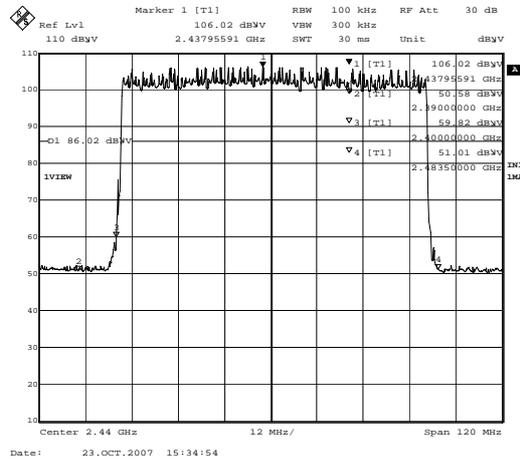
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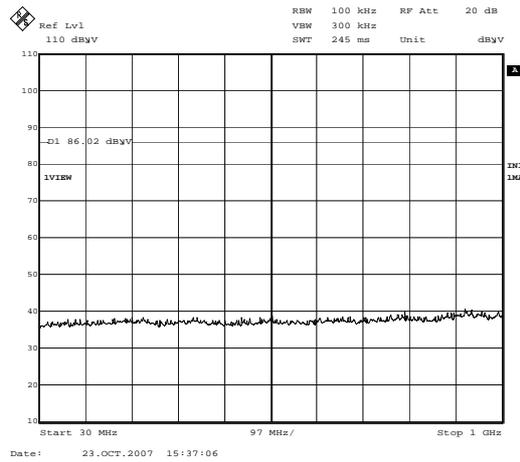
[Transmitting 3DH5]

Hopping

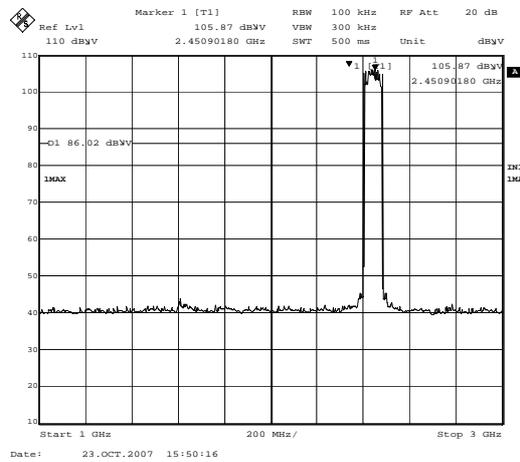
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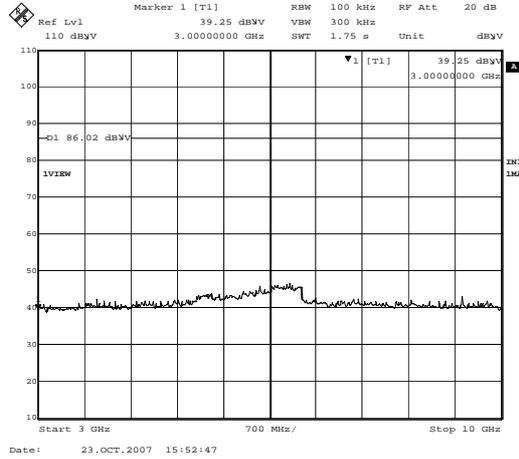
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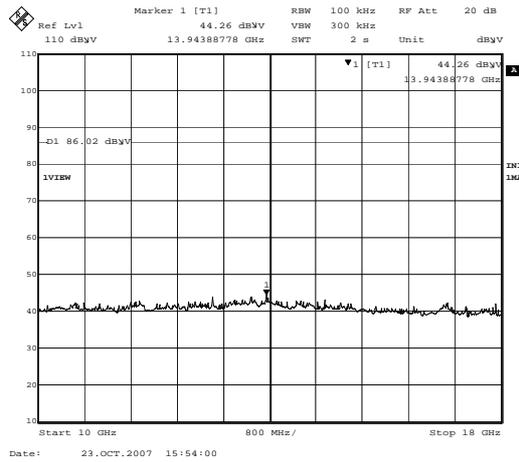
[Transmitting3 DH5]

Hopping

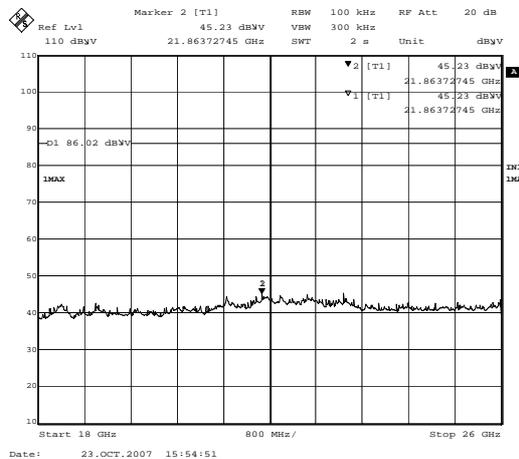
4.



5.



6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

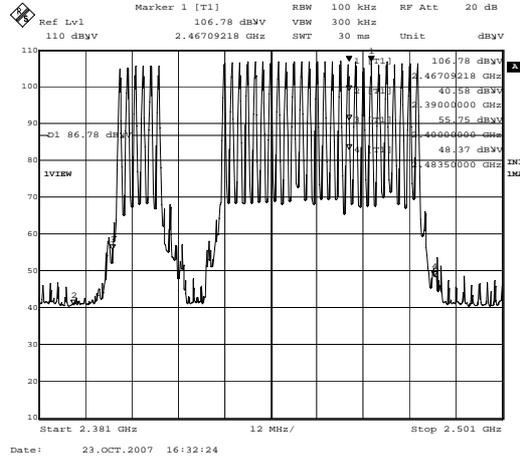
COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

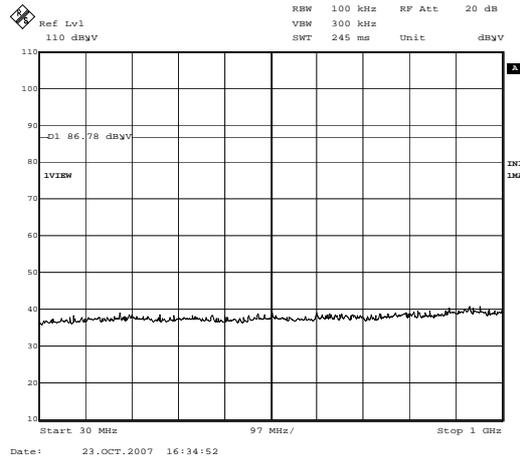
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Inquiry

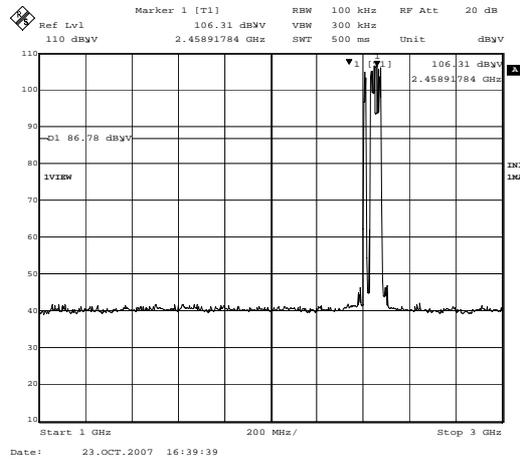
1.



2.



3.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

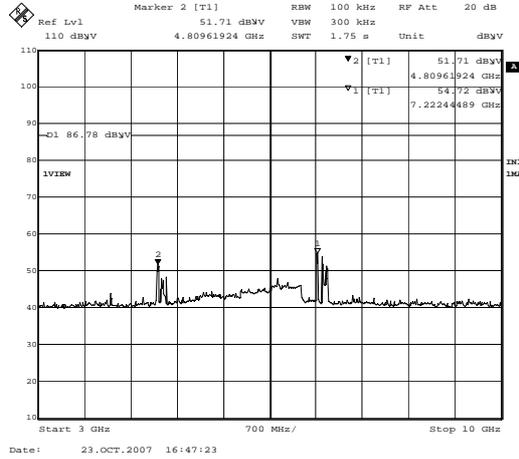
COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

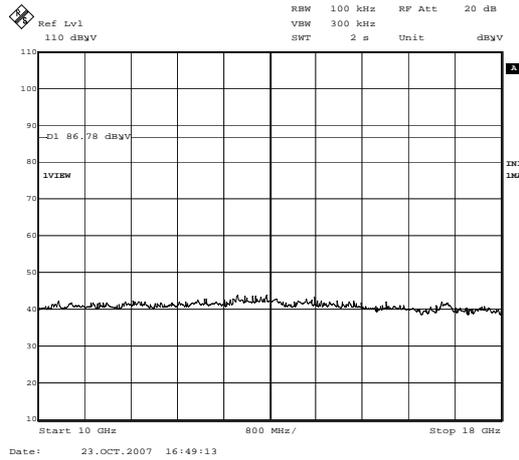
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Inquiry

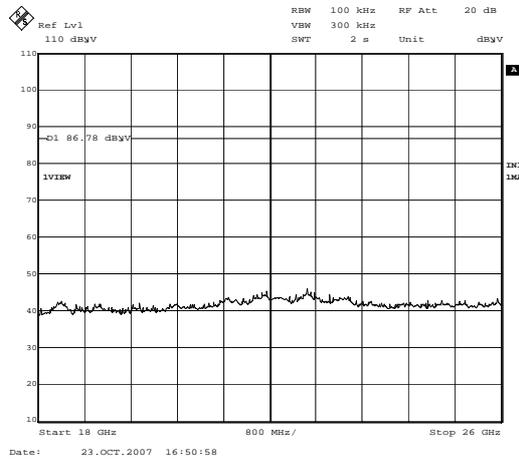
4.



5.



6.



DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
Kind of Equipment : Wireless Audio Receiver
Model No. : DRC-BT15
Serial No. : 24
Power : DC3.7V
Mode : Transmitting 2402MHz (DH5)
Remarks : -
Date : 10/16/2007
Test Distance : 3 m
Temperature : 22 °C
Humidity : 59 %
Regulation : FCC Part15C § 15.209

Engineer : Tatsuya Arai

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	120.00	BB	21.3	21.2	13.3	28.4	2.2	5.8	14.2	14.1	43.5	29.3	29.4
2.	240.00	BB	22.0	22.1	17.5	27.7	3.3	5.8	20.9	21.0	46.0	25.1	25.0
3.	480.00	BB	20.9	21.6	17.8	28.9	5.0	5.9	20.7	21.4	46.0	25.3	24.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz

■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-05 (ESCI)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
Kind of Equipment : Wireless Audio Receiver
Model No. : DRC-BT15
Serial No. : 24
Power : DC3.7V
Mode : Transmitting 2402MHz (DH5)
Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
Date : 10/15/2007
Test Distance : 3 m
Temperature : 20 °C Engineer : Toyokazu Imamura
Humidity : 56 %
Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1602.10	BB	41.0	47.0	26.0	37.4	4.9	0.0	34.5	40.5	74.0	39.5	33.5
2.	2390.00	BB	46.1	43.8	28.5	37.5	5.0	0.0	42.1	39.8	74.0	31.9	34.2
3.	4804.00	BB	57.6	57.8	32.9	37.8	5.7	0.0	58.4	58.6	74.0	15.6	15.4
4.	7206.00	BB	42.1	42.2	36.5	37.2	7.6	0.0	49.0	49.1	74.0	25.0	24.9
5.	9608.00	BB	46.2	47.8	37.7	37.4	7.7	0.0	54.2	55.8	74.0	19.8	18.2
6.	12010.00	BB	44.6	44.5	40.0	36.5	8.9	0.0	57.0	56.9	74.0	17.0	17.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2402MHz(DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1602.10	36.9	36.0	26.0	37.4	4.9	0.0	0.0	30.4	29.5	54.0	23.6	24.5	10
2	2390.00	46.1	43.8	28.5	37.5	5.0	0.0	-30.6	11.5	9.2	54.0	42.5	44.8	1M
3	4804.00	57.6	57.8	32.9	37.8	5.7	0.0	-30.6	27.8	28.0	54.0	26.2	26.0	1M
4	7206.00	42.1	42.2	36.5	37.2	7.6	0.0	-30.6	18.4	18.5	54.0	35.6	35.5	1M
5	9608.00	46.2	47.8	37.7	37.4	7.7	0.0	-30.6	23.6	25.2	54.0	30.4	28.8	1M
6	12010.00	44.6	44.5	40.0	36.5	8.9	0.0	-30.6	26.4	26.3	54.0	27.6	27.7	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.92[\text{ms}]/100[\text{ms}]) = -30.69[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2441MHz (DH5)
 Remarks : -
 Date : 10/16/2007
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 59 %
 Regulation : FCC Part15C § 15.209

Engineer : Tatsuya Arai

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	120.00	BB	21.3	21.4	13.3	28.4	2.2	5.8	14.2	14.3	43.5	29.3	29.2
2.	240.00	BB	21.9	22.2	17.5	27.7	3.3	5.8	20.8	21.1	46.0	25.2	24.9
3.	480.00	BB	21.0	21.7	17.8	28.9	5.0	5.9	20.8	21.5	46.0	25.2	24.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz / KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-05 (ESC1)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2441MHz (DH5)
 Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
 Date : 10/15/2007
 Test Distance : 3 m
 Temperature : 20 °C Engineer : Toyokazu Imamura
 Humidity : 56 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1626.75	BB	47.0	47.1	26.2	37.4	4.9	0.0	40.7	40.8	74.0	33.3	33.2
2.	4882.00	BB	53.2	57.7	33.1	37.7	5.8	0.0	54.4	58.9	74.0	19.6	15.1
3.	7323.00	BB	43.7	43.2	36.7	37.6	7.7	0.0	50.5	50.0	74.0	23.5	24.0
4.	9764.00	BB	47.1	47.8	37.7	37.1	7.7	0.0	55.4	56.1	74.0	18.6	17.9
5.	12205.00	BB	46.2	46.1	40.2	36.4	9.0	0.0	59.0	58.9	74.0	15.0	15.1

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE:KCC-D3/D7 ■ PREAMP:KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2441MHz(DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1626.75	39.4	39.2	26.2	37.4	4.9	0.0	0.0	33.1	32.9	54.0	20.9	21.1	10
2	4882.00	53.2	57.7	33.1	37.7	5.8	0.0	-30.6	23.8	28.3	54.0	30.2	25.7	1M
3	7323.00	43.7	43.2	36.7	37.6	7.7	0.0	-30.6	19.9	19.4	54.0	34.1	34.6	1M
4	9764.00	47.1	47.8	37.7	37.1	7.7	0.0	-30.6	24.8	25.5	54.0	29.2	28.5	1M
5	12205.00	46.2	46.1	40.2	36.4	9.0	0.0	-30.6	28.4	28.3	54.0	25.6	25.7	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.92[\text{ms}]/100[\text{ms}]) = -30.69[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
Kind of Equipment : Wireless Audio Receiver
Model No. : DRC-BT15
Serial No. : 24
Power : DC3.7V
Mode : Transmitting 2480MHz (DH5)
Remarks : -
Date : 10/16/2007
Test Distance : 3 m
Temperature : 22 °C Engineer : Tatsuya Arai
Humidity : 59 %
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	120.00	BB	21.4	21.5	13.3	28.4	2.2	5.8	14.3	14.4	43.5	29.2	29.1
2.	240.00	BB	21.9	22.1	17.5	27.7	3.3	5.8	20.8	21.0	46.0	25.2	25.0
3.	480.00	BB	21.1	21.8	17.8	28.9	5.0	5.9	20.9	21.6	46.0	25.1	24.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz / KLA-03 (USLP9143) 300-1000MHz
■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-05 (ESCI)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2480MHz (DH5)
 Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
 Date : 10/15/2007
 Test Distance : 3 m
 Temperature : 20 °C Engineer : Toyokazu Imamura
 Humidity : 56 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1652.27	BB	47.1	46.1	26.4	37.4	4.9	0.0	41.0	40.0	74.0	33.0	34.0
2.	2483.50	BB	63.2	59.3	28.3	37.6	5.1	0.0	59.0	55.1	74.0	15.0	18.9
3.	4960.00	BB	54.1	55.0	33.4	37.6	5.8	0.0	55.7	56.6	74.0	18.3	17.4
4.	7440.00	BB	39.4	40.0	36.8	38.0	7.9	0.0	46.1	46.7	74.0	27.9	27.3
5.	9920.00	BB	46.2	46.1	37.7	36.7	7.7	0.0	54.9	54.8	74.0	19.1	19.2
6.	12400.00	BB	42.5	42.8	40.3	36.3	9.1	0.0	55.6	55.9	74.0	18.4	18.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2480MHz(DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1652.27	39.2	37.3	26.4	37.4	4.9	0.0	0.0	33.1	31.2	54.0	20.9	22.8	10
2	2483.50	63.2	59.3	28.3	37.6	5.1	0.0	-30.6	28.4	24.5	54.0	25.6	29.5	1M
3	4960.00	54.0	55.0	33.4	37.6	5.8	0.0	-30.6	25.0	26.0	54.0	29.0	28.0	1M
4	7440.00	39.4	40.0	36.8	38.0	7.9	0.0	-30.6	15.5	16.1	54.0	38.5	37.9	1M
5	9920.00	46.2	46.1	37.7	36.7	7.7	0.0	-30.6	24.3	24.2	54.0	29.7	29.8	1M
6	12400.00	42.5	42.8	40.3	36.3	9.1	0.0	-30.6	25.0	25.3	54.0	29.0	28.7	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.92[\text{ms}]/100[\text{ms}]) = -30.69[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2402MHz (3DH5)
 Remarks : -
 Date : 10/16/2007
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 59 %
 Regulation : FCC Part15C § 15.209

Engineer : Tatsuya Arai

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	120.00	BB	21.2	21.3	13.3	28.4	2.2	5.8	14.1	14.2	43.5	29.4	29.3
2.	240.00	BB	21.5	21.7	17.5	27.7	3.3	5.8	20.4	20.6	46.0	25.6	25.4
3.	480.00	BB	21.2	21.7	17.8	28.9	5.0	5.9	21.0	21.5	46.0	25.0	24.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz / KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-05 (ESC1)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2402MHz (3DH5)
 Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
 Date : 10/15/2007
 Test Distance : 3 m
 Temperature : 20 °C Engineer : Toyokazu Imamura
 Humidity : 56 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1602.10	BB	45.1	47.6	26.0	37.4	4.9	0.0	38.6	41.1	74.0	35.4	32.9
2.	2390.00	BB	43.4	41.9	28.5	37.5	5.0	0.0	39.4	37.9	74.0	34.6	36.1
3.	4804.00	BB	52.1	50.6	32.9	37.8	5.7	0.0	52.9	51.4	74.0	21.1	22.6
4.	7206.00	BB	42.9	40.2	36.5	37.2	7.6	0.0	49.8	47.1	74.0	24.2	26.9
5.	9608.00	BB	45.3	44.5	37.7	37.4	7.7	0.0	53.3	52.5	74.0	20.7	21.5
6.	12010.00	BB	45.0	42.4	40.0	36.5	8.9	0.0	57.4	54.8	74.0	16.6	19.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2402MHz(3DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1602.10	37.5	36.1	26.0	37.4	4.9	0.0	0.0	31.0	29.6	54.0	23.0	24.4	10
2	2390.00	43.4	41.9	28.5	37.5	5.0	0.0	-30.7	8.7	7.2	54.0	45.3	46.8	1M
3	4804.00	52.1	50.6	32.9	37.8	5.7	0.0	-30.7	22.2	20.7	54.0	31.8	33.3	1M
4	7206.00	42.9	40.2	36.5	37.2	7.6	0.0	-30.7	19.1	16.4	54.0	34.9	37.6	1M
5	9608.00	45.3	44.5	37.7	37.4	7.7	0.0	-30.7	22.6	21.8	54.0	31.4	32.2	1M
6	12010.00	45.0	42.4	40.0	36.5	8.9	0.0	-30.7	26.7	24.1	54.0	27.3	29.9	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.90[\text{ms}]/100[\text{ms}]) = -30.75[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
Kind of Equipment : Wireless Audio Receiver
Model No. : DRC-BT15
Serial No. : 24
Power : DC3.7V
Mode : Transmitting 2441MHz (3DH5)
Remarks : -
Date : 10/16/2007
Test Distance : 3 m
Temperature : 22 °C Engineer : Tatsuya Arai
Humidity : 59 %
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	120.00	BB	21.2	21.0	13.3	28.4	2.2	5.8	14.1	13.9	43.5	29.4	29.6
2.	240.00	BB	21.8	22.1	17.5	27.7	3.3	5.8	20.7	21.0	46.0	25.3	25.0
3.	480.00	BB	21.1	21.9	17.8	28.9	5.0	5.9	20.9	21.7	46.0	25.1	24.3

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz / KLA-03 (USLP9143) 300-1000MHz
■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-05 (ESC1)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2441MHz (3DH5)
 Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
 Date : 10/15/2007
 Test Distance : 3 m
 Temperature : 20 °C Engineer : Toyokazu Imamura
 Humidity : 56 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1626.69	BB	44.2	44.2	26.2	37.4	4.9	0.0	37.9	37.9	74.0	36.1	36.1
2.	4882.00	BB	46.1	48.9	33.1	37.7	5.8	0.0	47.3	50.1	74.0	26.7	23.9
3.	7323.00	BB	42.3	40.9	36.7	37.6	7.7	0.0	49.1	47.7	74.0	24.9	26.3
4.	9764.00	BB	46.2	45.4	37.7	37.1	7.7	0.0	54.5	53.7	74.0	19.5	20.3
5.	12205.00	BB	44.2	44.9	40.2	36.4	9.0	0.0	57.0	57.7	74.0	17.0	16.3

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE:KCC-D3/D7 ■ PREAMP:KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2441MHz(3DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1626.69	33.5	33.4	26.2	37.4	4.9	0.0	0.0	27.2	27.1	54.0	26.8	26.9	10
2	4882.00	46.1	48.9	33.1	37.7	5.8	0.0	-30.7	16.6	19.4	54.0	37.4	34.6	1M
3	7323.00	42.3	40.9	36.7	37.6	7.7	0.0	-30.7	18.4	17.0	54.0	35.6	37.0	1M
4	9764.00	46.2	45.4	37.7	37.1	7.7	0.0	-30.7	23.8	23.0	54.0	30.2	31.0	1M
5	12205.00	44.2	44.9	40.2	36.4	9.0	0.0	-30.7	26.3	27.0	54.0	27.7	27.0	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.90[\text{ms}]/100[\text{ms}]) = -30.75[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
Kind of Equipment : Wireless Audio Receiver
Model No. : DRC-BT15
Serial No. : 24
Power : DC3.7V
Mode : Transmitting 2480MHz (3DH5)
Remarks : -
Date : 10/16/2007
Test Distance : 3 m
Temperature : 22 °C Engineer : Tatsuya Arai
Humidity : 59 %
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	120.00	BB	21.1	21.3	13.3	28.4	2.2	5.8	14.0	14.2	43.5	29.5	29.3	
2.	240.00	BB	21.5	22.0	17.5	27.7	3.3	5.8	20.4	20.9	46.0	25.6	25.1	
3.	480.00	BB	21.2	22.0	17.8	28.9	5.0	5.9	21.0	21.8	46.0	25.0	24.2	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-05 (ESCI)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Applicant : Sony Corporation
 Kind of Equipment : Wireless Audio Receiver
 Model No. : DRC-BT15
 Serial No. : 24
 Power : DC3.7V
 Mode : Transmitting 2480MHz (3DH5)
 Remarks : PK Detector (RBW:1MHz/VBW:1MHz)
 Date : 10/15/2007
 Test Distance : 3 m
 Temperature : 20 °C Engineer : Toyokazu Imamura
 Humidity : 56 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	1652.50	BB	47.7	47.8	26.4	37.4	4.9	0.0	41.6	41.7	74.0	32.4	32.3
2.	2483.50	BB	60.2	59.9	28.3	37.6	5.1	0.0	56.0	55.7	74.0	18.0	18.3
3.	4960.00	BB	46.4	47.0	33.4	37.6	5.8	0.0	48.0	48.6	74.0	26.0	25.4
4.	7440.00	BB	41.0	40.7	36.8	38.0	7.9	0.0	47.7	47.4	74.0	26.3	26.6
5.	9920.00	BB	45.7	47.8	37.7	36.7	7.7	0.0	54.4	56.5	74.0	19.6	17.5
6.	12400.00	BB	43.0	44.8	40.3	36.3	9.1	0.0	56.1	57.9	74.0	17.9	16.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.
YAMAKITA NO.1 ANECHOIC CHAMBER
Report No. : 28BE0135-YK-01-A

Company : Sony Corporation
Equipment : Wireless Audio Receiver
Model : DRC-BT15
Sample No. : 24
Power : DC3.7V
Mode : Transmitting 2480MHz(3DH5)
FCC ID : AK8DRCBT15

Regulation : FCC Part15C Section 15.209
Test Distance : 3m
Date : 2007/10/15
Temperature : 20deg.C
Humidity : 56%

ENGINEER : Toyokazu Imamura

AV calculation value SPECTRUMANALYZER RBW:1MHz

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	Duty Factor	RESULT		LIMIT [dBuV/m]	MARGIN		VBW [Hz]
		HOR [dBuV]	VER						HOR [dBuV/m]	VER		HOR [dB]	VER	
1*	1652.50	38.7	37.6	26.4	37.4	4.9	0.0	0.0	32.6	31.5	54.0	21.4	22.5	10
2	2483.50	60.2	59.9	28.3	37.6	5.1	0.0	-30.7	25.3	25.0	54.0	28.7	29.0	1M
3	4960.00	46.4	47.0	33.4	37.6	5.8	0.0	-30.7	17.3	17.9	54.0	36.7	36.1	1M
4	7440.00	41.0	40.7	36.8	38.0	7.9	0.0	-30.7	17	16.7	54.0	37.0	37.3	1M
5	9920.00	45.7	47.8	37.7	36.7	7.7	0.0	-30.7	23.7	25.8	54.0	30.3	28.2	1M
6	12400.00	43.0	44.8	40.3	36.3	9.1	0.0	-30.7	25.4	27.2	54.0	28.6	26.8	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT + Duty Factor

Duty Factor calculation: $20 \cdot \log(2.90[\text{ms}]/100[\text{ms}]) = -30.75[\text{dB}]$ See Dwell Time data

* This noise is not plus emission

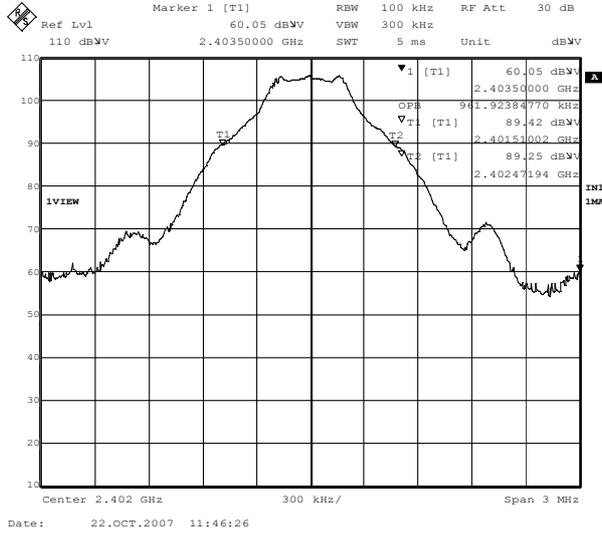
Occupied Bandwidth(99%)

COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

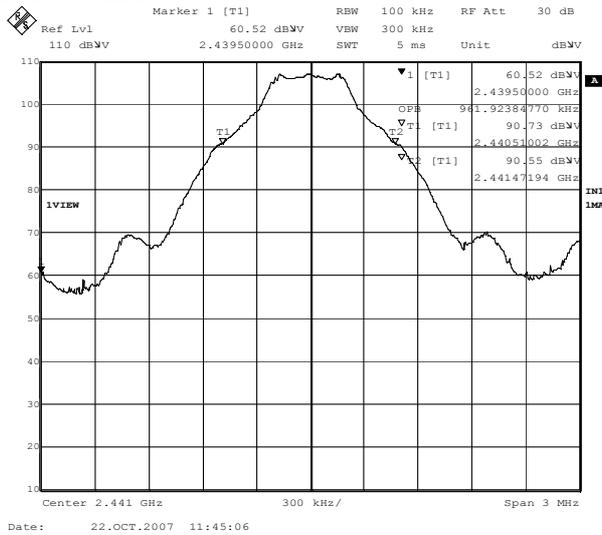
UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : RSS-210
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

[Hopping off, DH5]

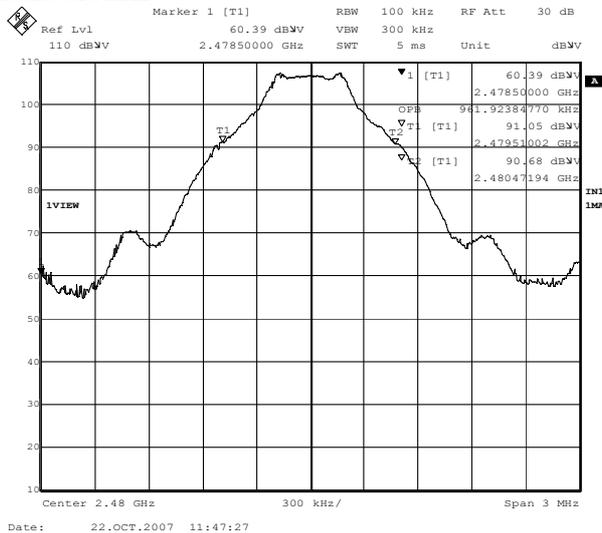
1. ch : 2402MHz/Occupied Bandwidth:961.9kHz



2. ch : 2441MHz/Occupied Bandwidth:961.9kHz



3. ch : 2480MHz/Occupied Bandwidth:961.9kHz



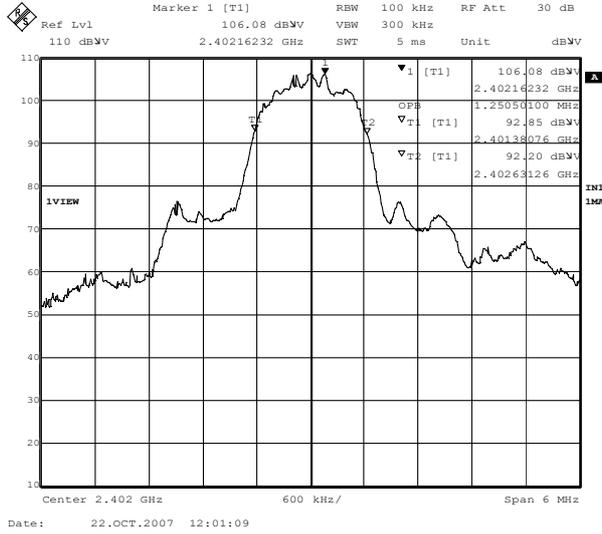
Occupied Bandwidth(99%)

COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

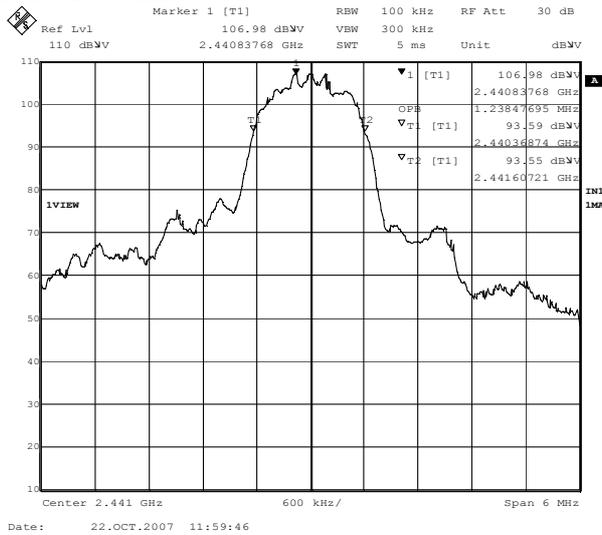
UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : RSS-210
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

[Hopping off, 3DH5]

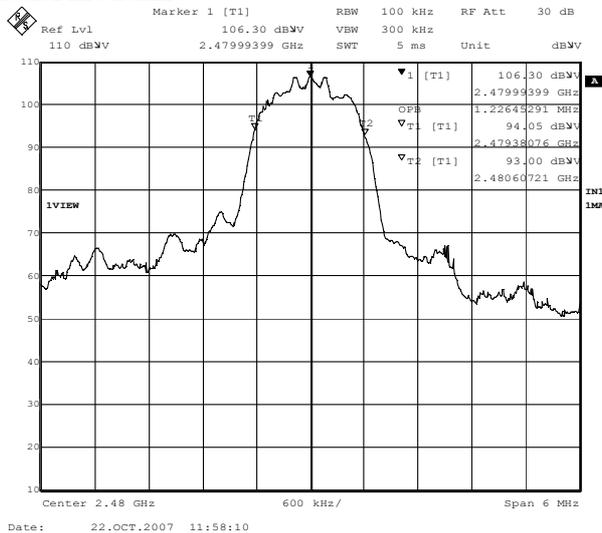
4. ch : 2402MHz/Occupied Bandwidth:1.2505MHz



5. ch : 2441MHz/Occupied Bandwidth:1.2385MHz



6. ch : 2480MHz/Occupied Bandwidth:1.2264MHz

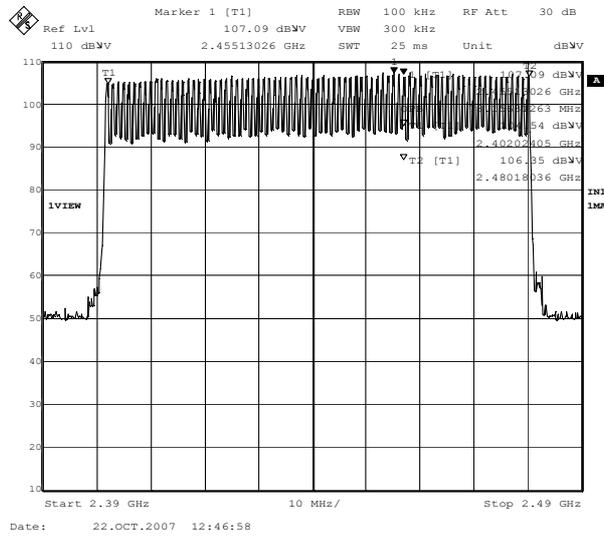


Occupied Bandwidth(99%)

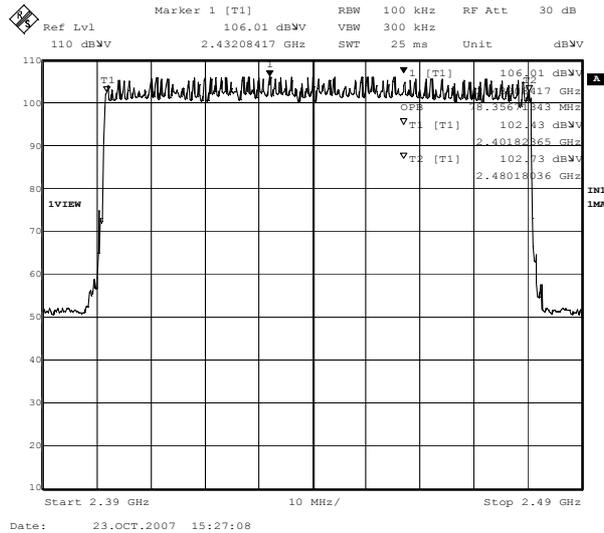
COMPANY : Sony Corporation
EQUIPMENT : Wireless Audio Receiver
MODEL NUMBER: DRC-BT15
SERIAL NUMBER: 108
FCC ID : AK8DRCBT15
POWER : DC3.7V

UL Japan, Inc. Yamakita No.4 Shielded Room
REPORT NO : 28BE0135-YK-01-A
REGULATION : RSS-210
DATE : 2007.10.22
TEMP./HUMI : 25deg.C./45%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

7. Hopping, DH5/Occupied Bandwidth:78.2MHz



8. Hopping, 3DH5/Occupied Bandwidth:78.4MHz



APPENDIX 3
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-RE	Radiated emission(software)	UL Japan	RE(Ver.1.5)	RE	-
KAEC-01	Anechoic Chamber	JSE	Semi 3m	RE	2007/08/26 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2007/04/13 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2007/03/28 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/06 * 12
KCC-30/31/32 /34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	RE	2006/11/27 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/06 * 12
KOS-02	Humidity Indicator	Custom	CTH-190	RE	2006/07/10 * 24
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE	2007/09/25 * 12
KTR-05	Test Receiver	Rohde & Schwarz	ESCI	RE	2007/06/26 * 12
KJM-01	Measure	TAJIMA	GL19-55	RE	-
KAF-02	Pre Amplifier	Hewlett Packard	8449B	RE	2007/04/24 * 12
KCC-D3/D7	Coaxial Cable	Rosenberger/Advantest	2201/JUN-08-01-061	RE	2007/04/11 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2007/08/14 * 12
KHA-03	Horn Antenna	EMCO	3160-09	RE	2007/04/14 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	AT(1,2,3,4,6)	2007/04/12 * 12
KCC-D7	Coaxial Cable	Advantest	A01002	AT(Full)	2007/04/11 * 12
KOSC-01	Oscilloscope	Tektronix	TDS-2022B	AT(4)	2007/05/15 * 12
KDT-01	Coaxial Crystal Detector	Agilent	8473C	AT(4)	Pre Check
KPM-05	Power meter	Agilent	E4417A	AT(5)	2007/04/03 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT(5)	2007/03/13 * 12
KOS-07	Humidity Indicator	Custom	CTH-190	AT(Full)	2006/10/06 * 24

The expiration date of the calibration is the end of the expired month .

All equipment is calibrated with traceable calibrations . Each calibration is traceable to the national or international standards .

Test Item :

- RE: Out of Band Emission (Radiated)
- AT: Antenna terminal conducted test
 - 1: Carrier Frequency Separation
 - 2: 20dB Bandwidth /OBW
 - 3: Number of Hopping Frequency
 - 4: Dwell time
 - 5: Maximum Peak Output Power
 - 6: Out of Band Emission (Conducted)