

**Dwell Time: FCC 15.247(a)(1)(iii)**

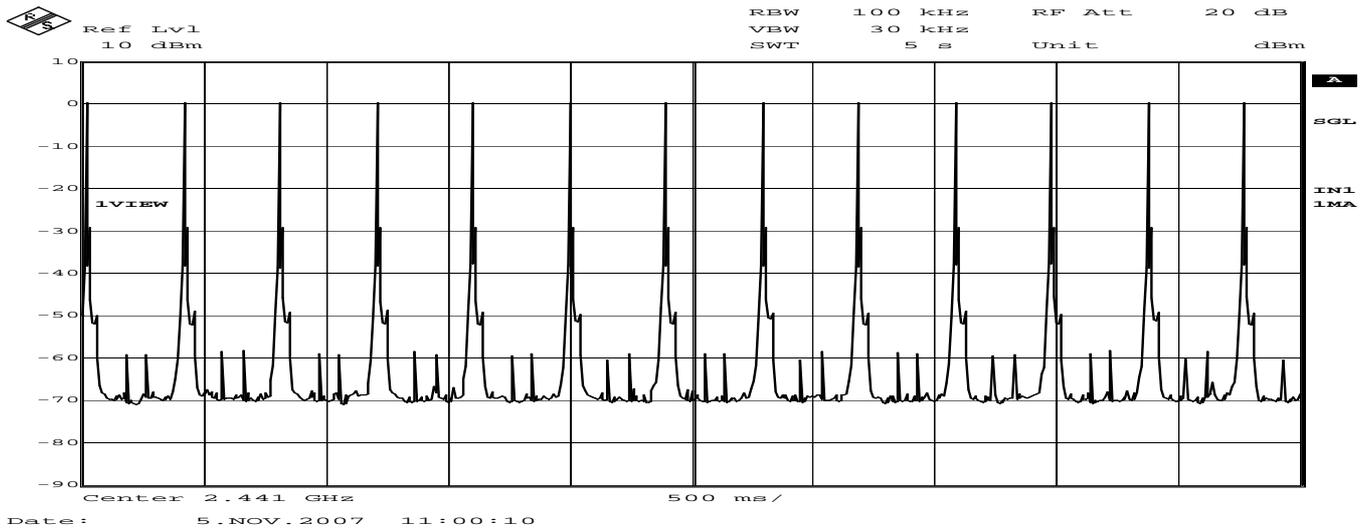
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(a)(1)(iii)  
**DATE** : 2007.11.5  
**TEMP/HUMI** : 24deg.C./46%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

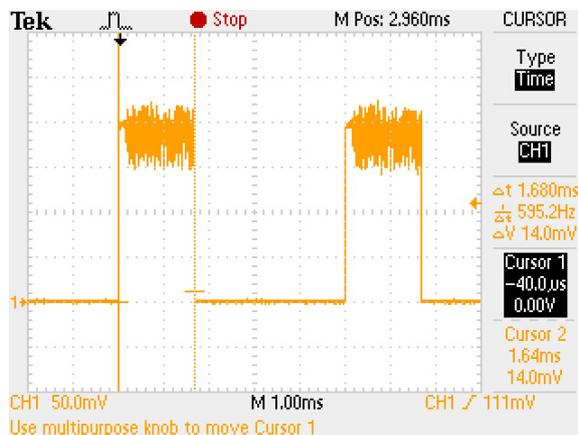
**Count 4**



**Count 5**



**Duty cycle(Hopping 3DH3)**



Average times of rising in 30 sec. of sweep =  $(13 + 13 + 13 + 13 + 13) / 5 = 13$   
 Average times of rising in 1 sec. =  $13 / 5s = 2.6$   
 Average times of rising in 0.4x =  $0.4 * 79ch * 2.6 = 82.16$   
 Dwell time =  $82.16 * 1.68 = 138.03$  [ms]  
 Limit : Dwell Time < 0.4[s]

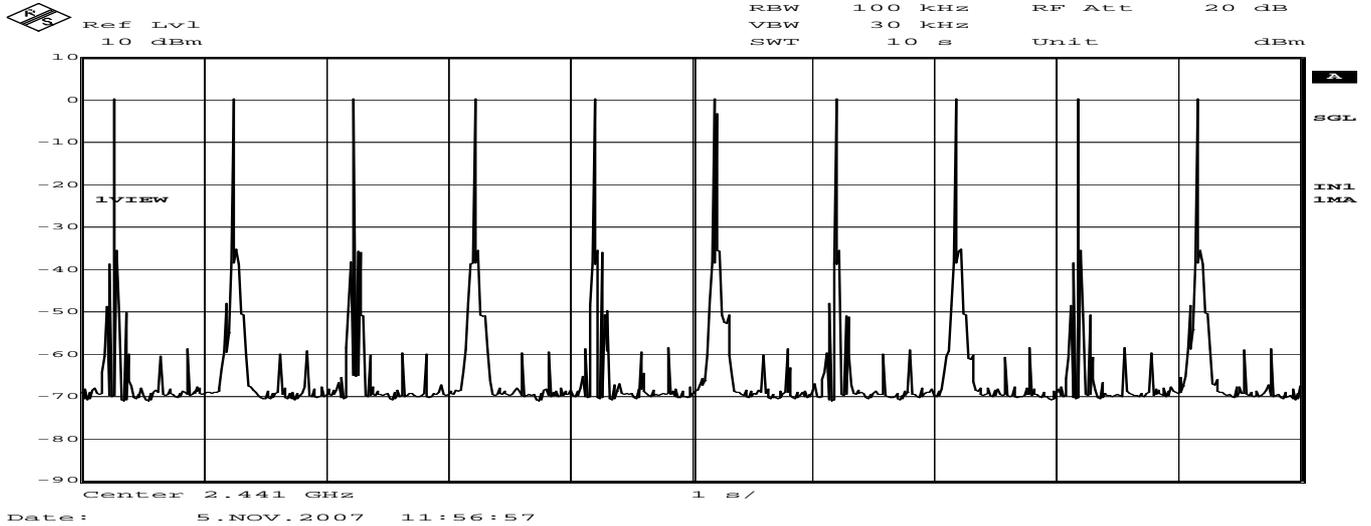
Dwell Time: FCC 15.247(a)(1)(iii)

COMPANY : Sony Corporation  
EQUIPMENT : Wireless Speaker System  
MODEL NUMBER: SRS-BT100  
SERIAL NUMBER: K002  
FCC ID : AK8SRSBT100  
POWER : AC120V/60Hz

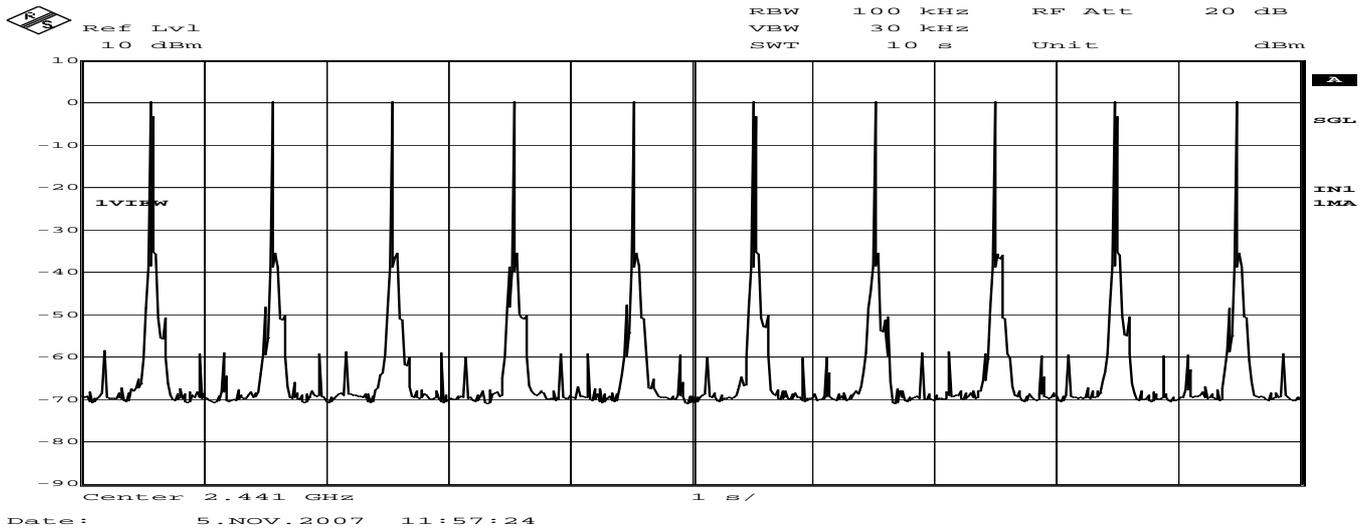
UL Japan, Inc. Yamakita No.4 Shielded Room  
REPORT NO : 28CE0165-YK-01-A  
REGULATION : Fcc Part15SubpartC 247(a)(1)(iii)  
DATE : 2007.11.5  
TEMP./HUMI : 24deg.C./46%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

Hopping (3DH5):

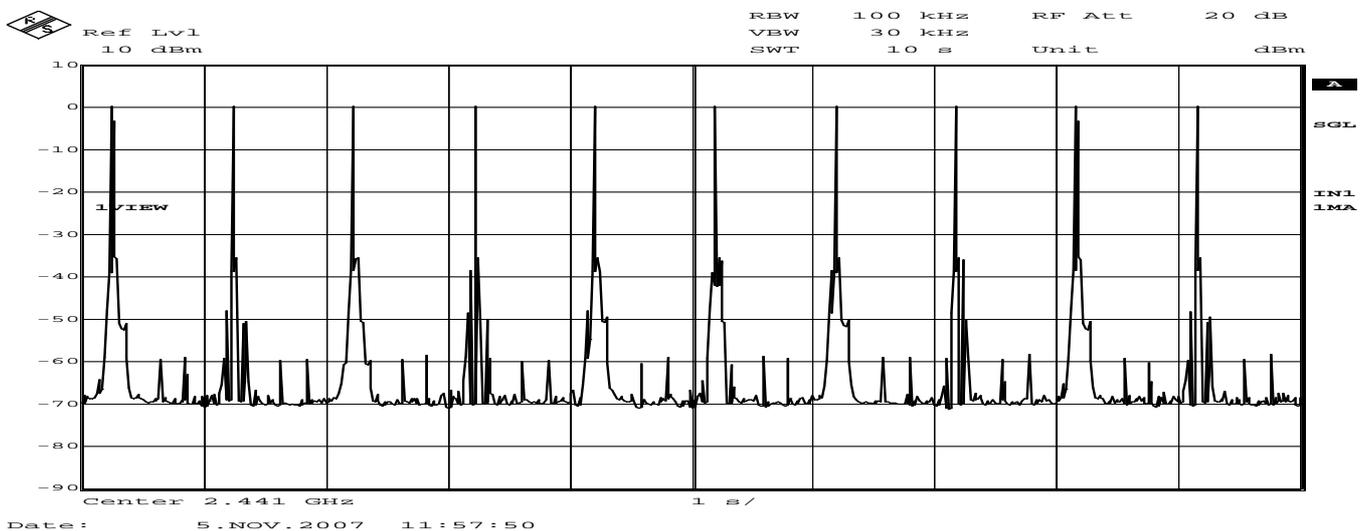
Count 1



Count 2



Count 3

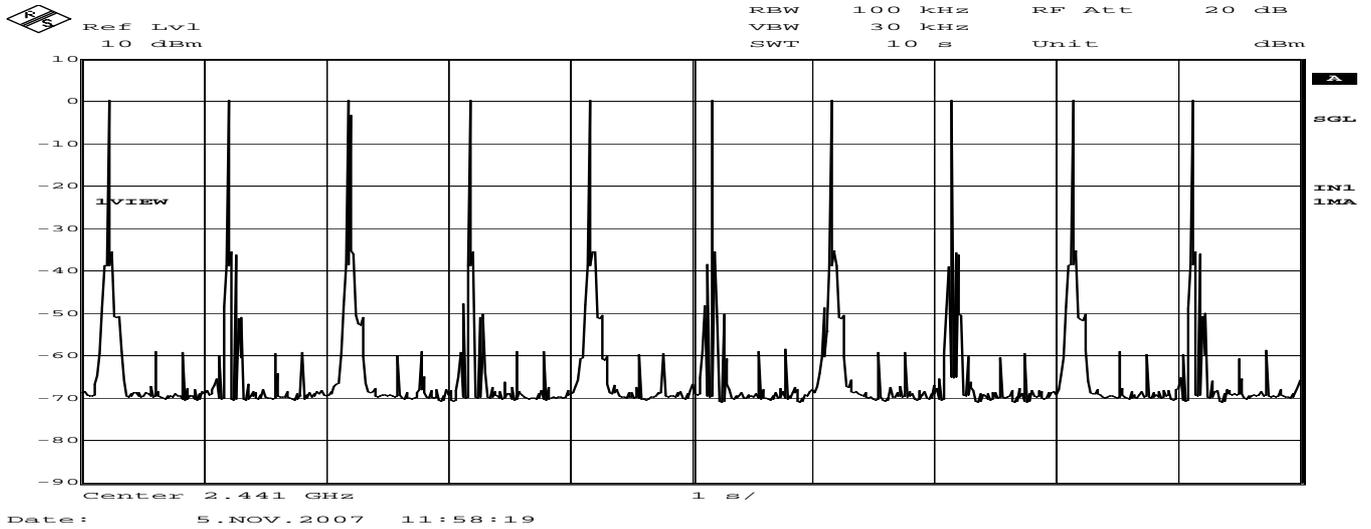


## Dwell Time: FCC 15.247(a)(1)(iii)

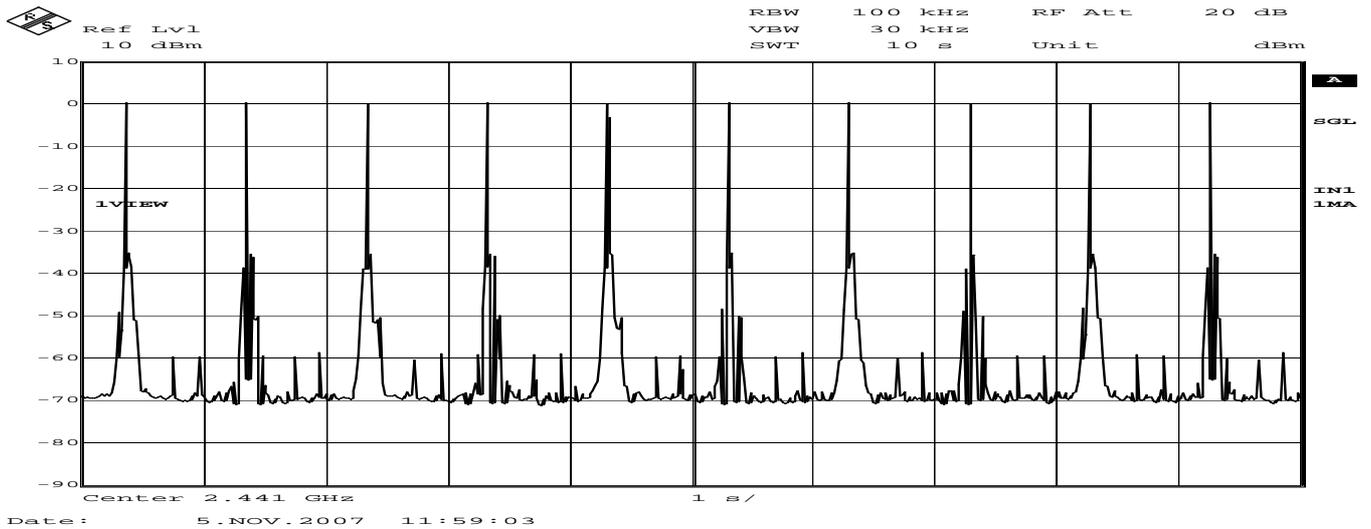
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(a)(1)(iii)  
**DATE** : 2007.11.5  
**TEMP./HUMI** : 24deg.C./46%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

### Count 4



### Count 5



### Duty cycle(Hopping 3DHS)



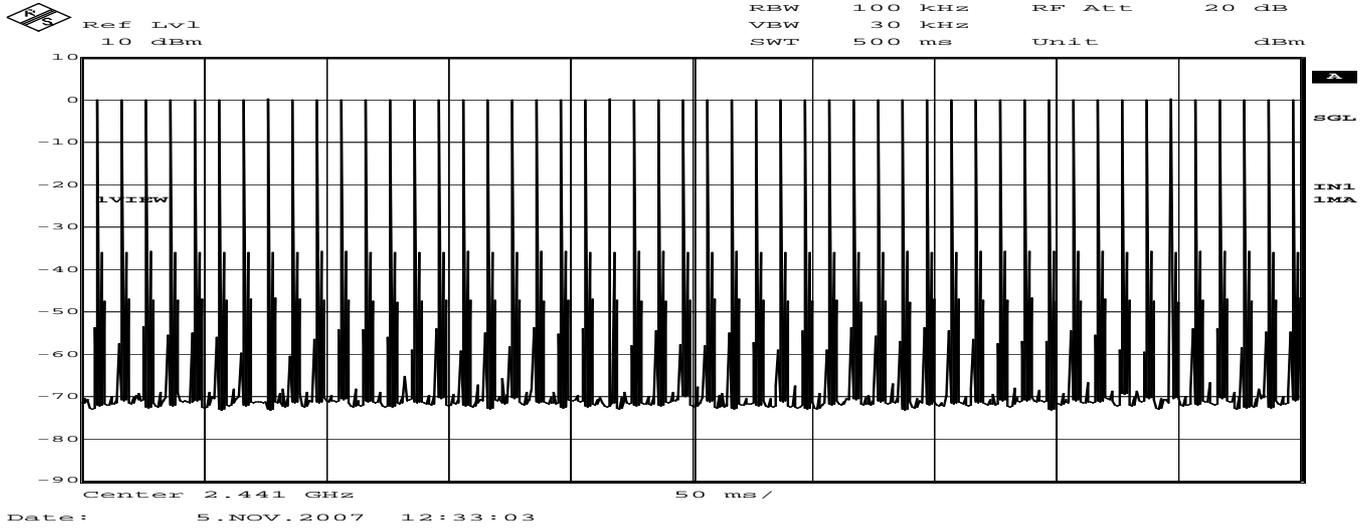
**Average times of rising in 30 sec. of sweep** =  $(10 + 10 + 10 + 10 + 10) / 5 = 10.0$   
**Average times of rising in 1 sec.** =  $10.0 / 10s = 1.00$   
**Average times of rising in 0.4x** =  $0.4 * 79ch * 1.00 = 31.6$   
**Dwell time** =  $31.6 * 2.90 = 91.64$  [ms]  
**Limit : Dwell Time** < 0.4[s]

Dwell Time: FCC 15.247(a)(1)(iii)

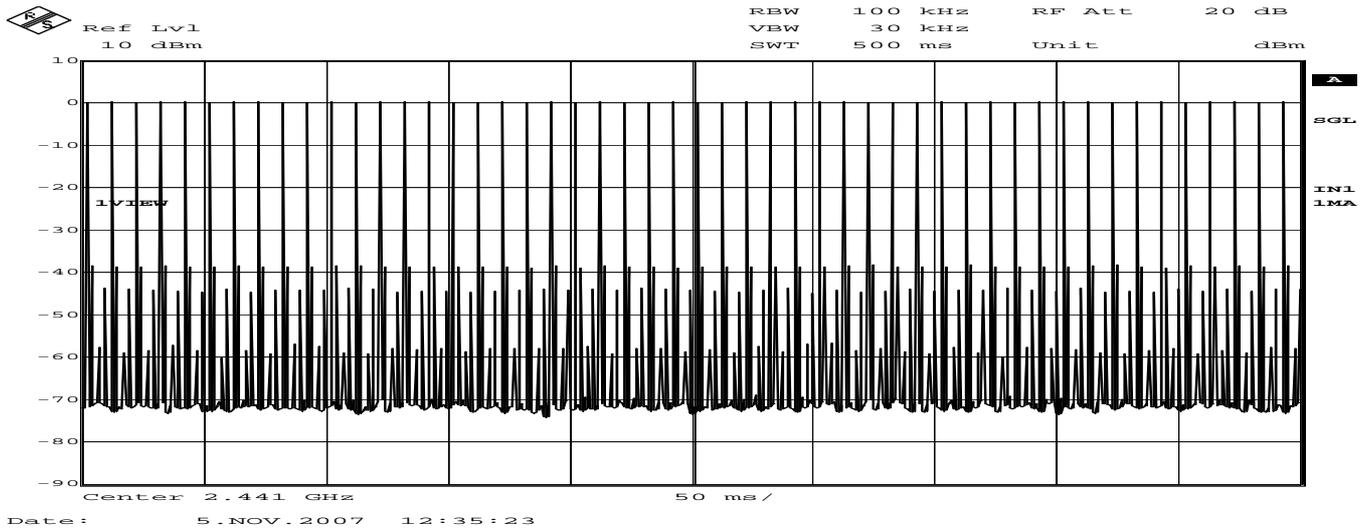
COMPANY : Sony Corporation  
EQUIPMENT : Wireless Speaker System  
MODEL NUMBER: SRS-BT100  
SERIAL NUMBER: K002  
FCC ID : AK8SRSBT100  
POWER : AC120V/60Hz

UL Japan, Inc. Yamakita No.4 Shielded Room  
REPORT NO : 28CE0165-YK-01-A  
REGULATION : Fcc Part15SubpartC 247(a)(1)(iii)  
DATE : 2007.11.5  
TEMP./HUMI : 24deg.C./46%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

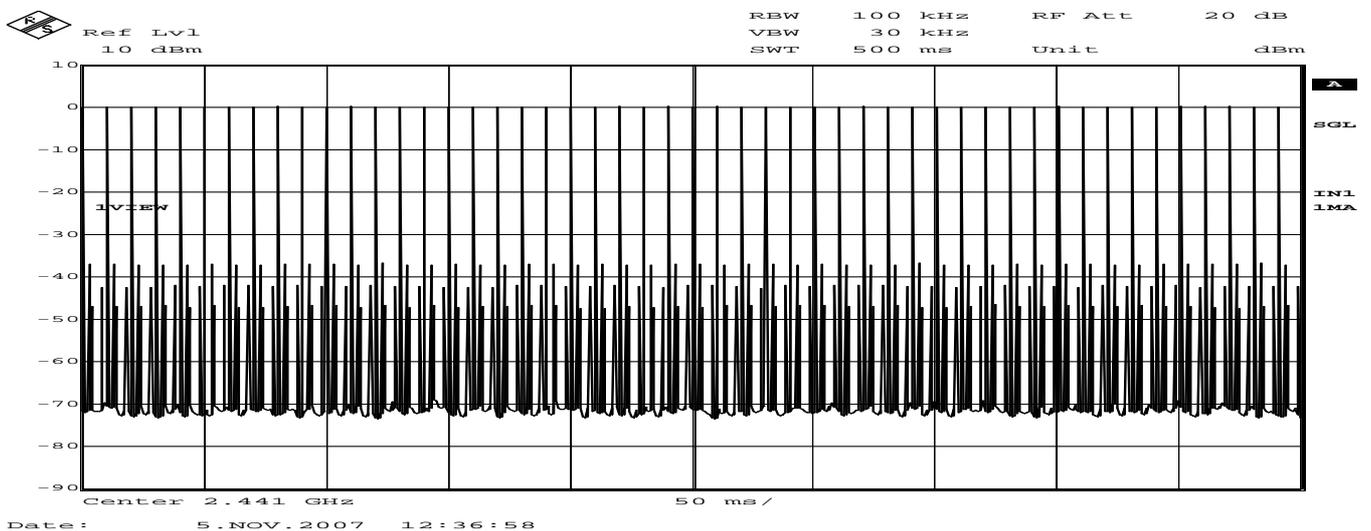
Inquiry:  
Count 1



Count 2



Count 3

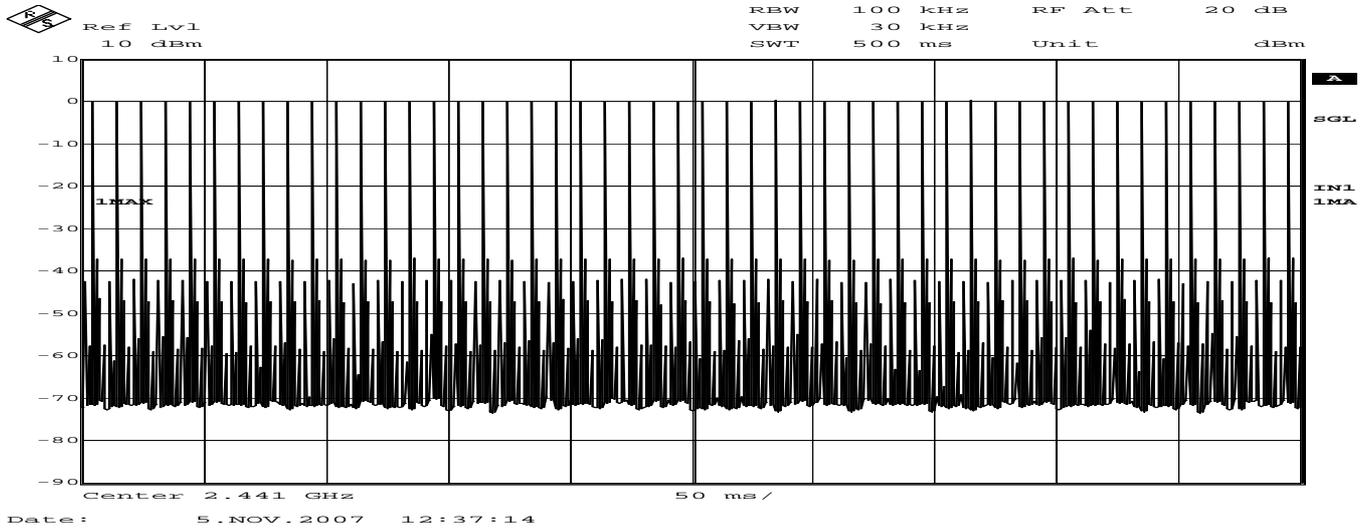


## Dwell Time: FCC 15.247(a)(1)(iii)

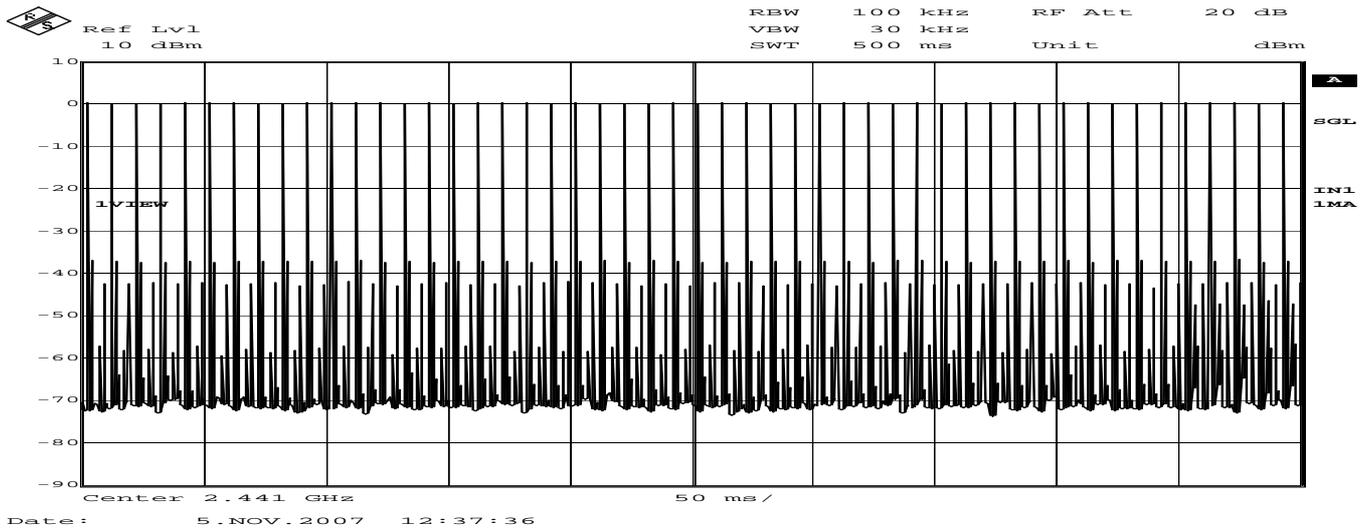
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(a)(1)(iii)  
**DATE** : 2007.11.5  
**TEMP./HUMI** : 24deg.C./46%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

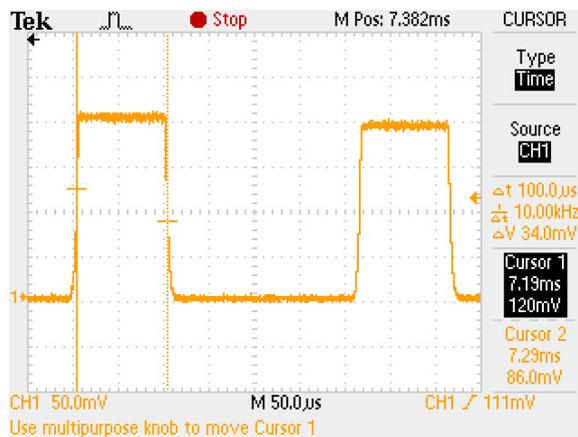
### Count 4



### Count 5



### Duty cycle(Inquiry)



Average times of rising in 30 sec. of sweep =  $(50 + 50 + 50 + 50 + 50) / 5 = 50.0$   
 Average times of rising in 1 sec. =  $50.0 / 0.5s = 100.0$   
 Average times of rising in 0.4x =  $0.4 * 32ch * 100.0 = 1280.0$   
 Dwell time =  $1280.0 * 0.100 = 128.0$  [ms]  
 Limit : Dwell Time < 0.4[s]

# Maximum Peak Conducted Output Power

UL Japan, Inc.  
YAMAKITA No.4 Shielded Room

COMPANY : Sony Corporation	REPORT NO : 28CE0165-YK-01-A
EQUIPMENT : Wireless Speaker System	REGULATION : Fcc Part15SubpartC 247(b)(1)
MODEL NUMBER : SRS-BT100	DATE : 2007.11.5
SERIAL NUMBER : K002	TEMP./HUMI : 24deg.C/46%
FCC ID : AK8SRSBT100	
POWER : AC120V/60Hz	
TEST MODE : Transmitting	ENGINEER : Tatsuya Arai

## DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-0.74	0.70	-0.04	20.96	21.00
Mid	2441.00	-0.12	0.70	0.58	20.96	20.38
High	2480.00	-0.17	0.70	0.53	20.96	20.43
Inquiry	-	-0.04	0.70	0.66	20.96	20.30

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	-0.08	0.70	0.62	20.96	20.34
Mid	2441.00	0.28	0.70	0.98	20.96	19.98
High	2480.00	-0.07	0.70	0.63	20.96	20.33

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	0.11	0.70	0.81	20.96	20.15
Mid	2441.00	0.56	0.70	1.26	20.96	19.70
High	2480.00	0.45	0.70	1.15	20.96	19.81

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:0.60dB

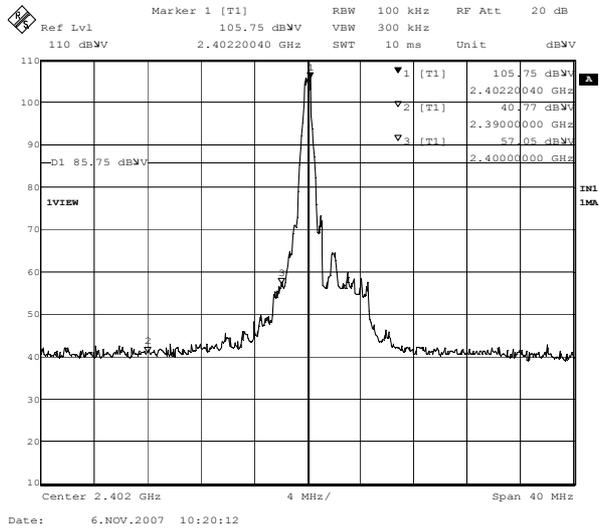
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

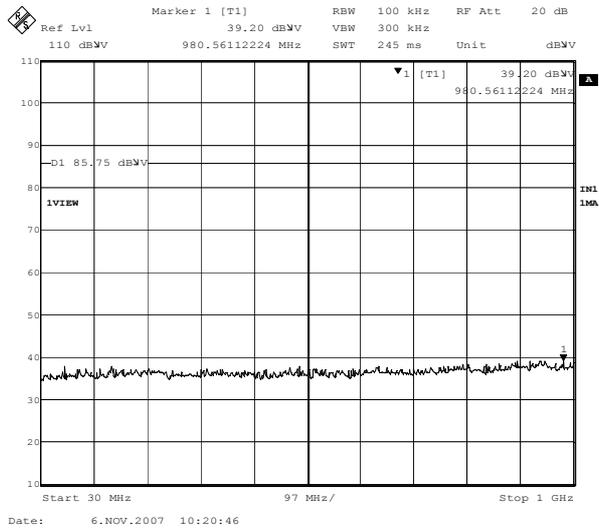
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting DH5]**  
**Ch:2402MHz**

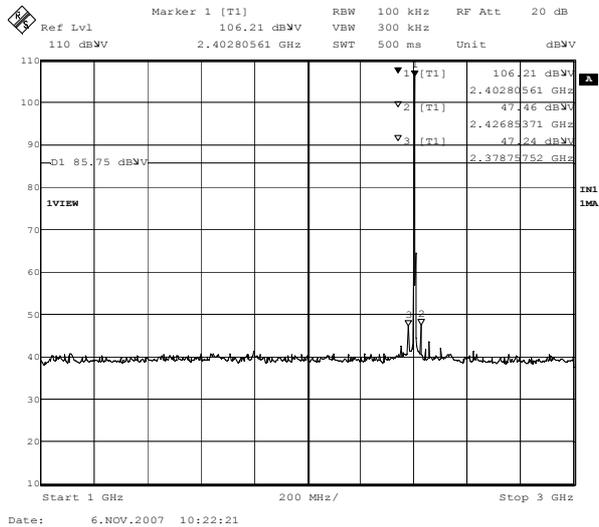
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# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

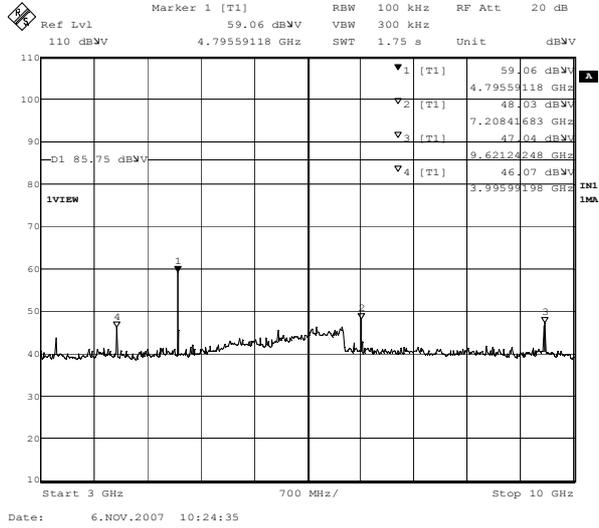
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8RSRBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

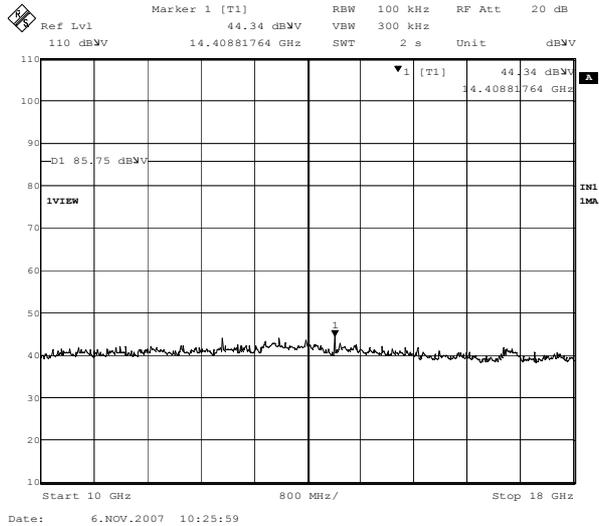
[Transmitting DH5]

Ch:2402MHz

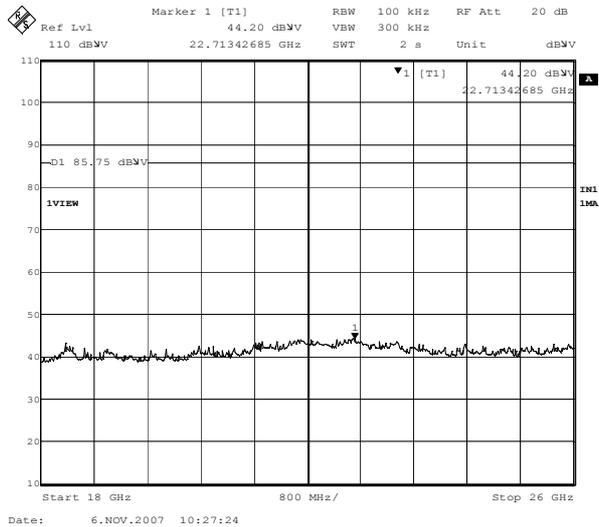
4.



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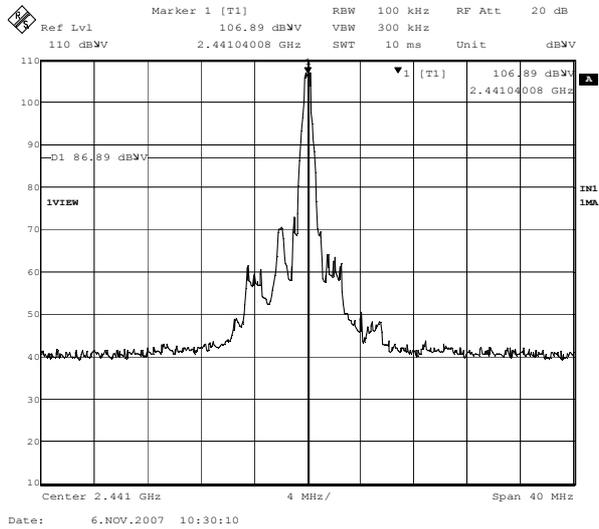
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

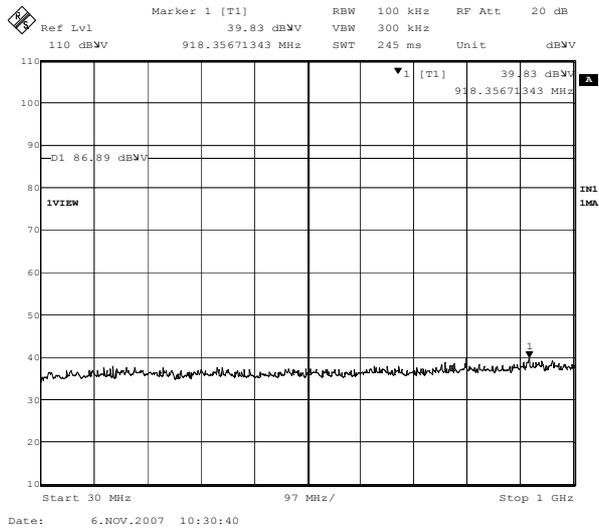
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting DH5]**  
**Ch:2441MHz**

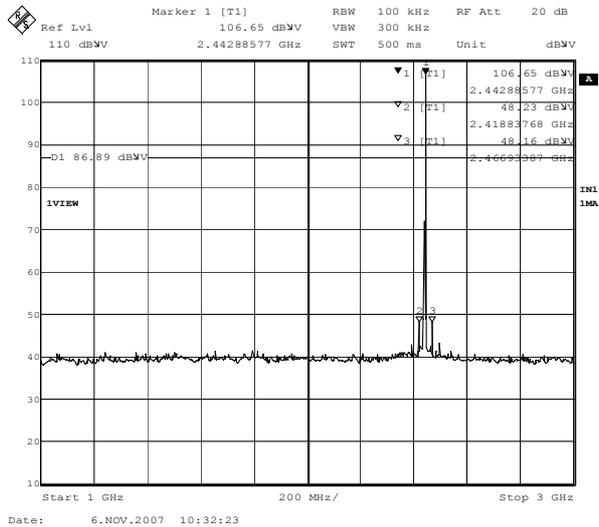
1.



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

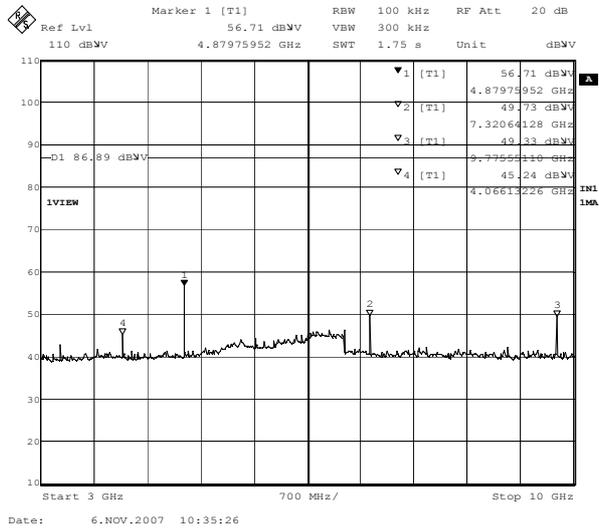
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

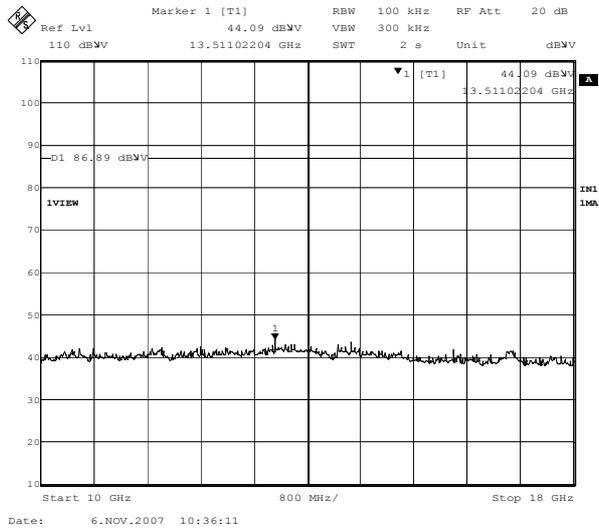
[Transmitting DH5]

Ch:2441MHz

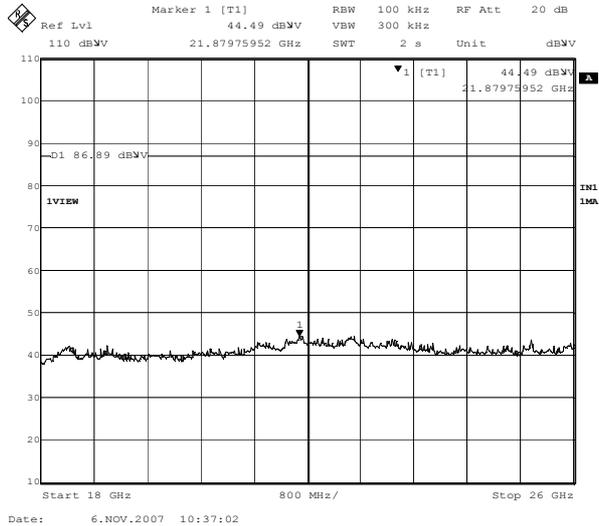
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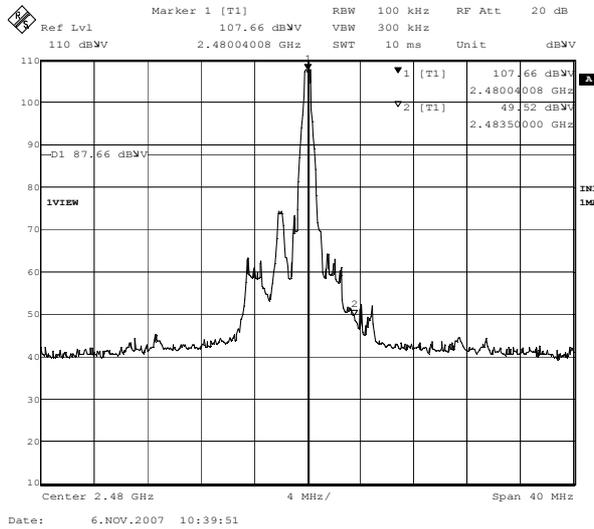
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

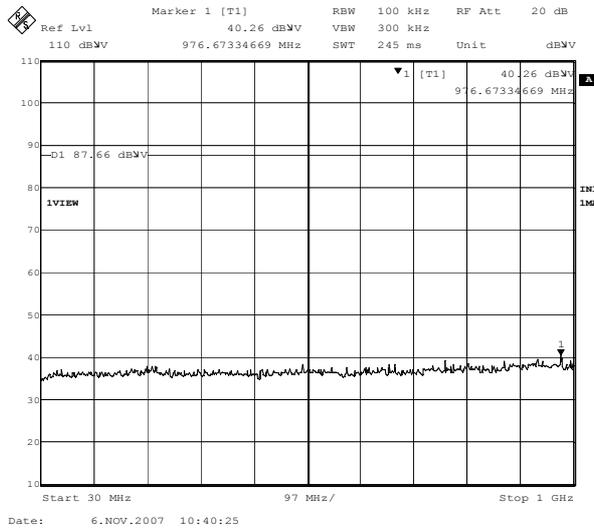
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting DH5]**  
**Ch:2480MHz**

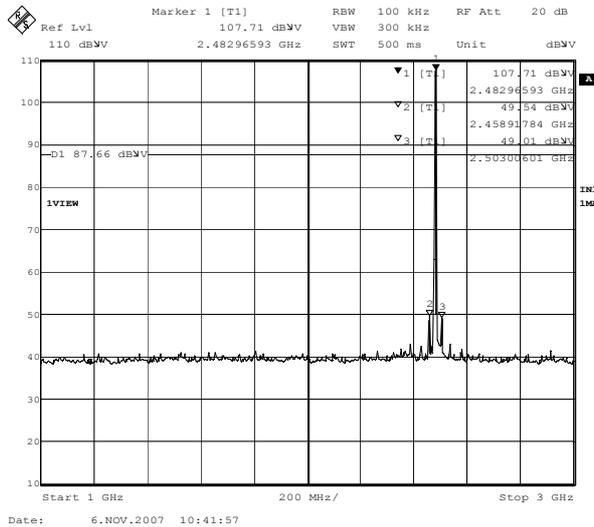
1.



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

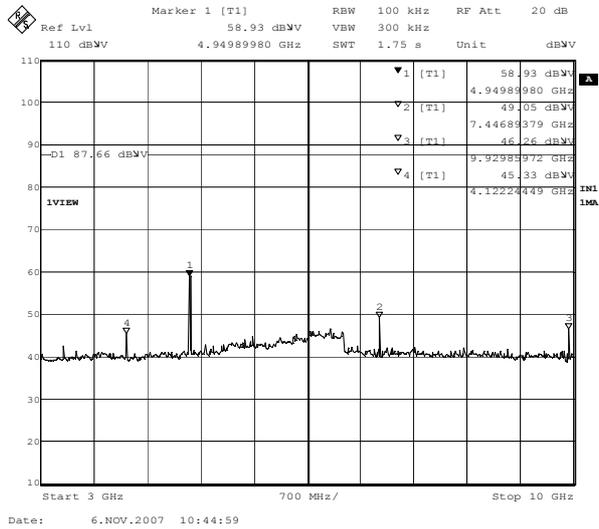
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

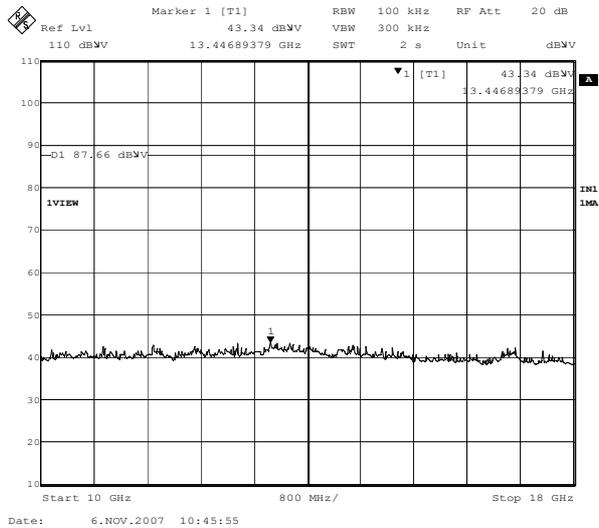
[Transmitting DH5]

Ch:2480MHz

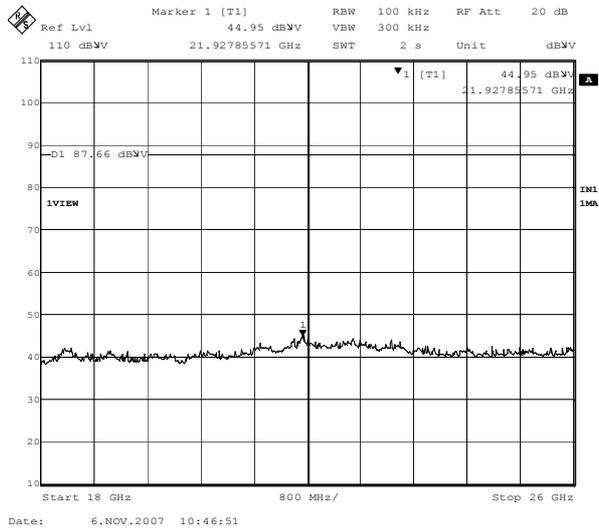
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5.



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

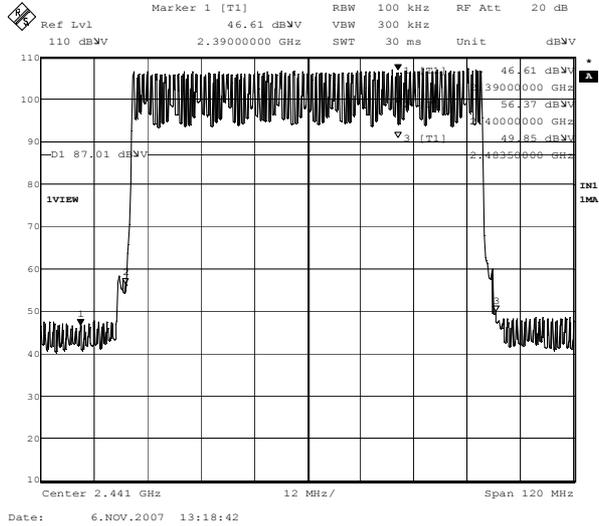
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

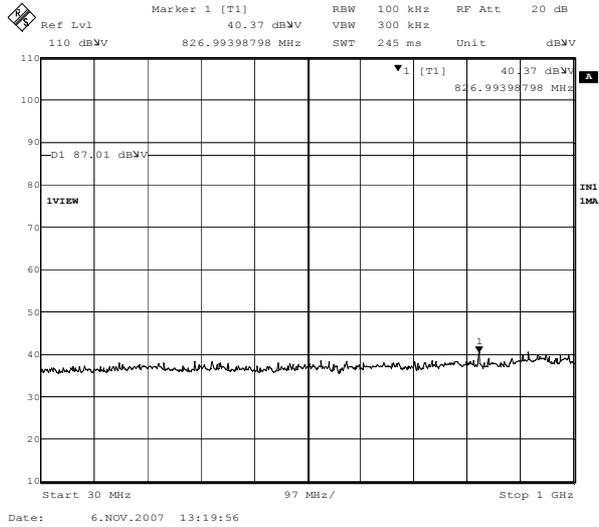
[Transmitting DH5]

Hopping

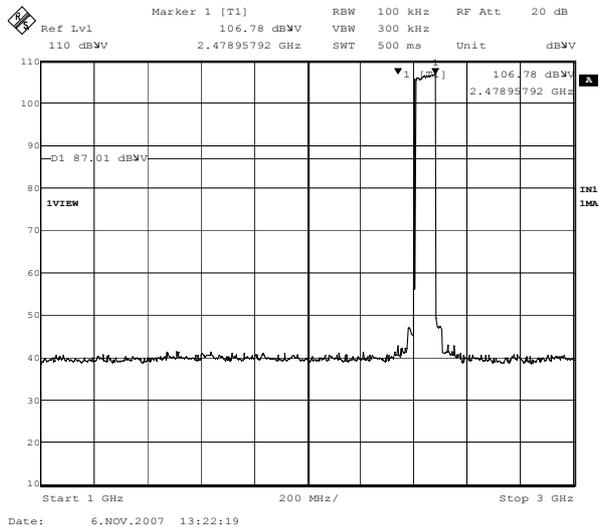
1.



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3.



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

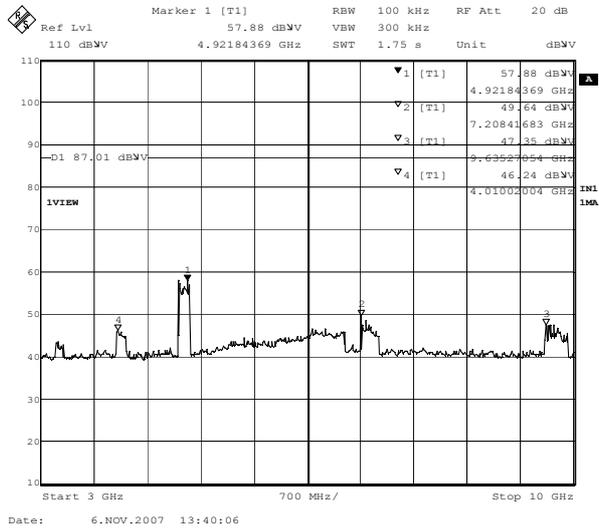
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

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**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

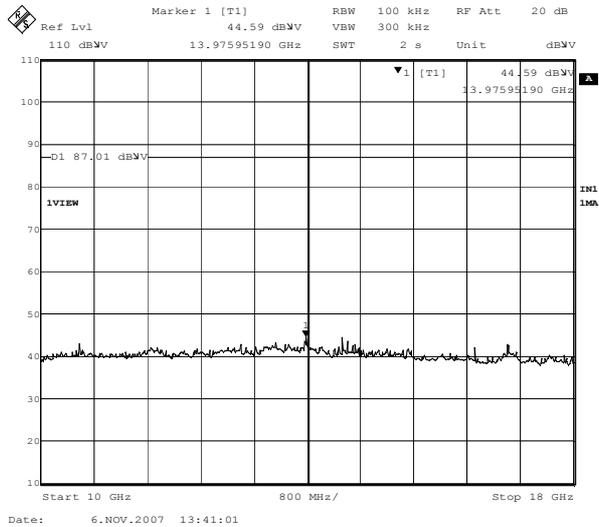
[Transmitting DH5]

Hopping

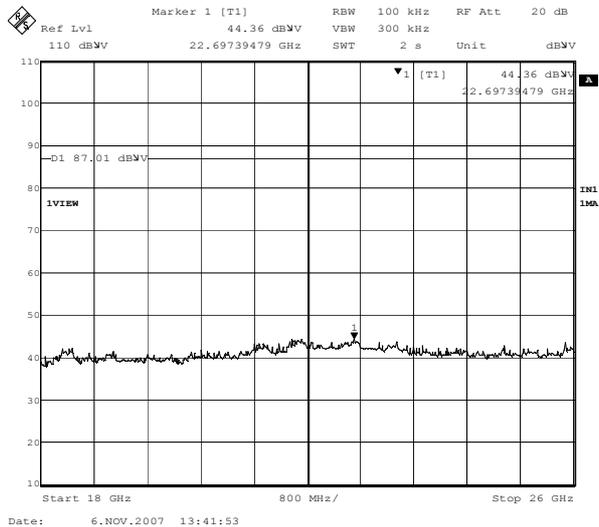
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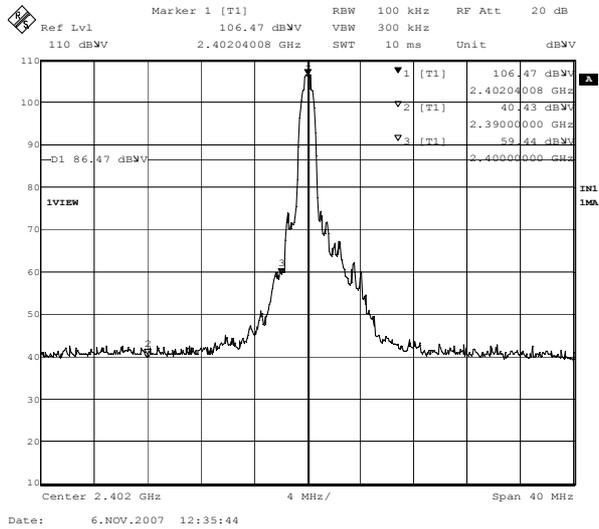
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

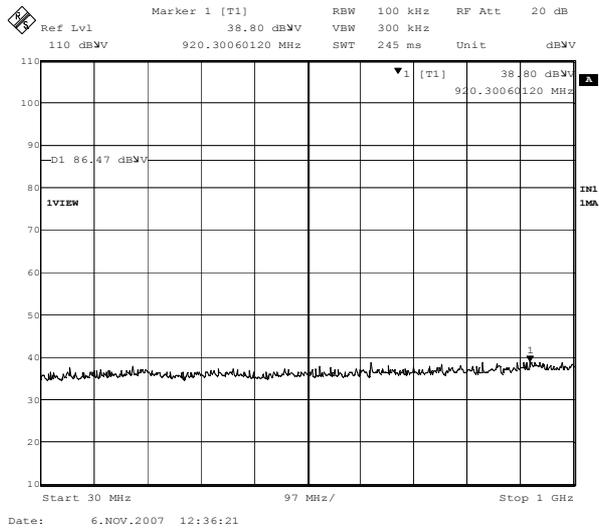
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting 3DH5]**  
**Ch:2402MHz**

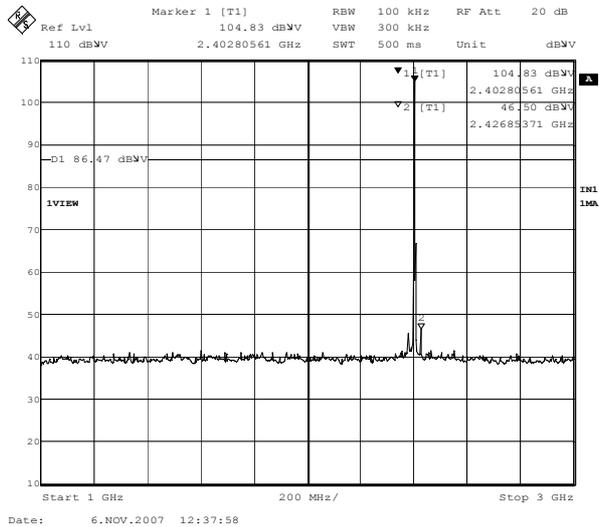
1.



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3.



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

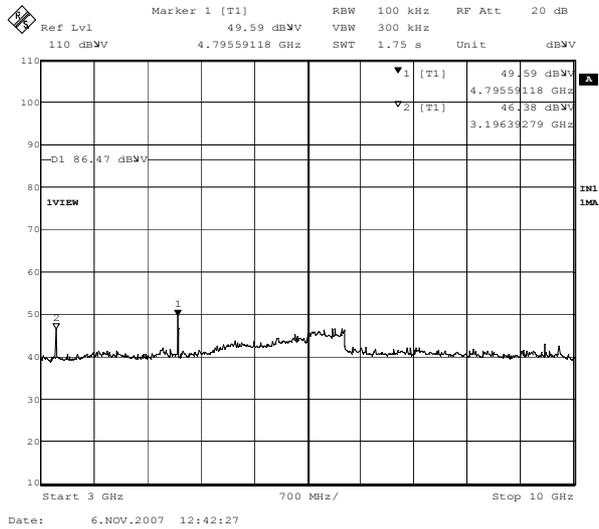
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8RSRBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

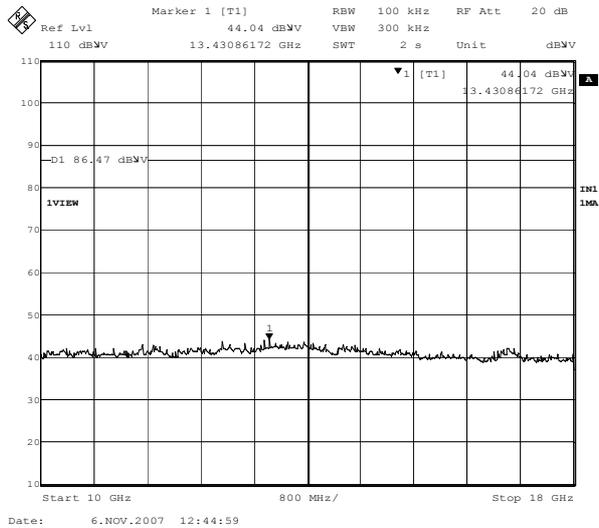
[Transmitting 3DH5]

Ch:2402MHz

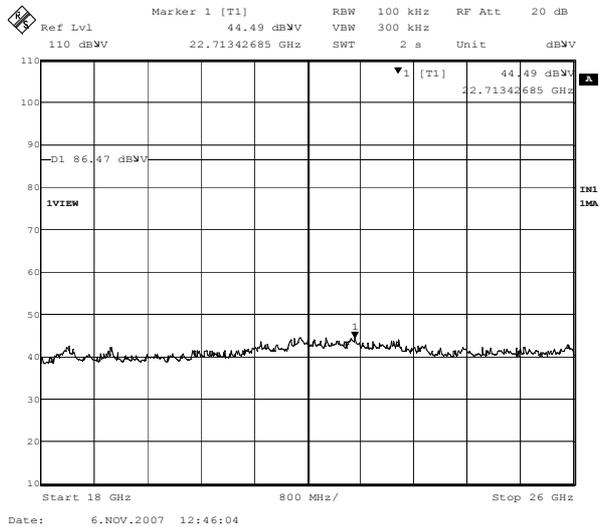
4.



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6.



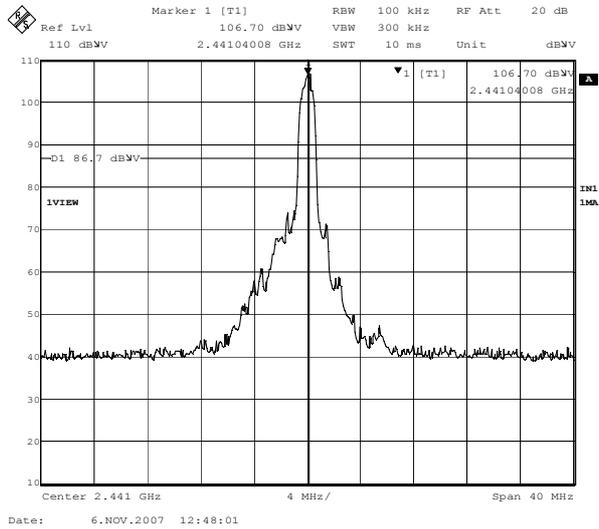
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

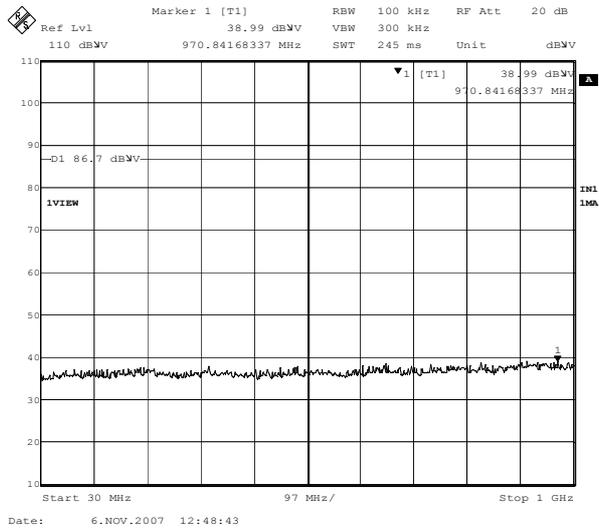
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting 3DH5]**  
**Ch:2441MHz**

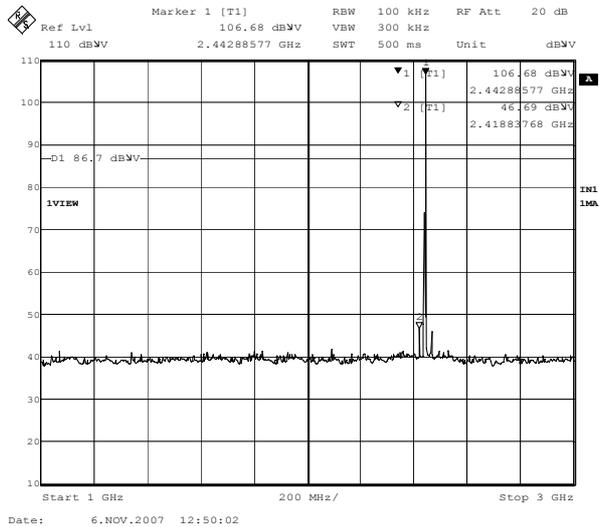
1.



2.



3.



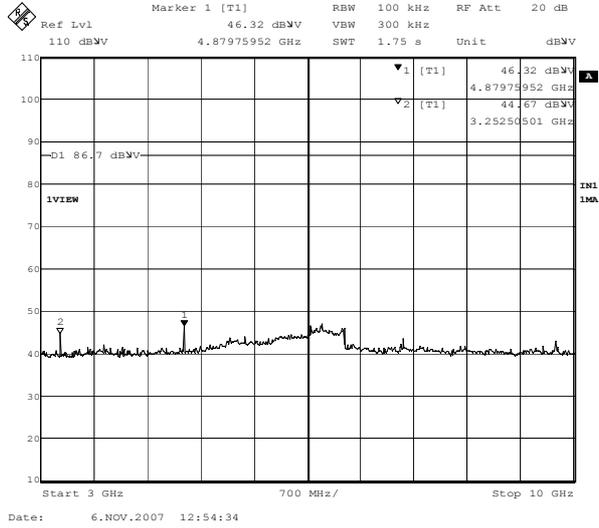
## Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

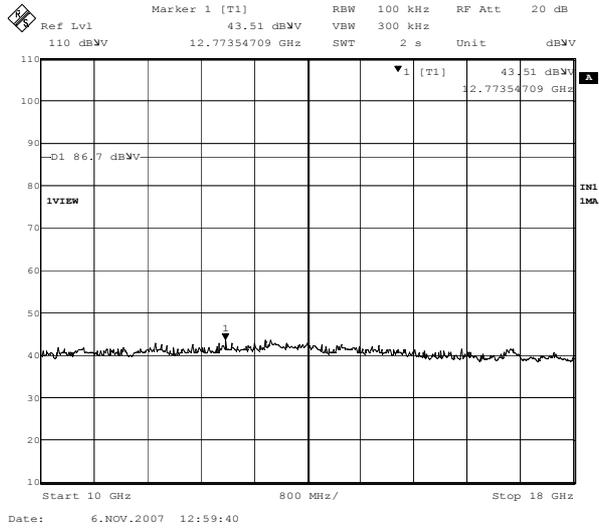
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting 3DH5]**  
**Ch:2441MHz**

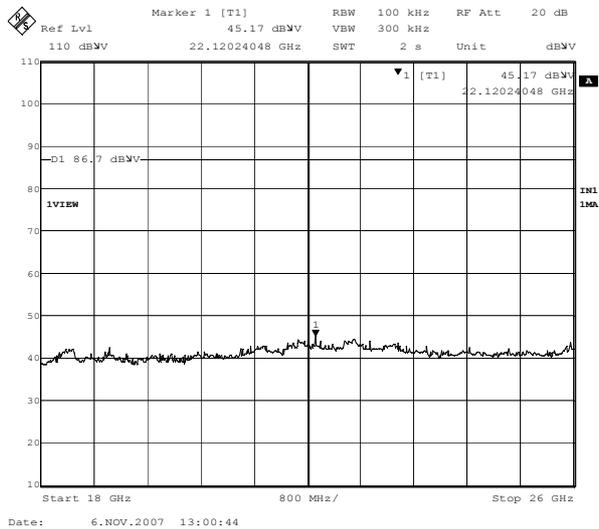
4.



5.



6.



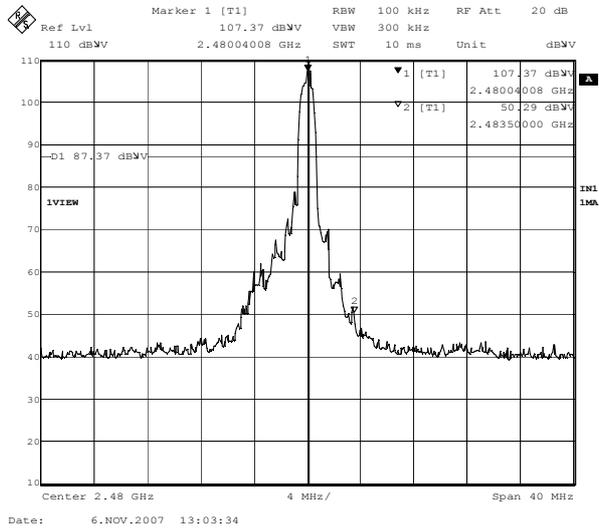
# Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

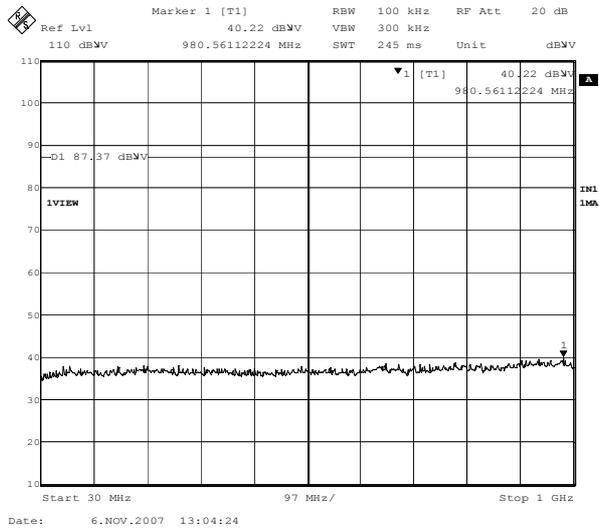
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting 3DH5]**  
**Ch:2480MHz**

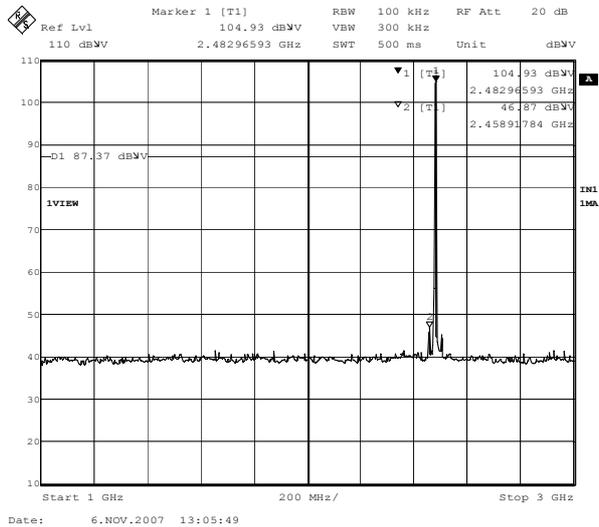
1.



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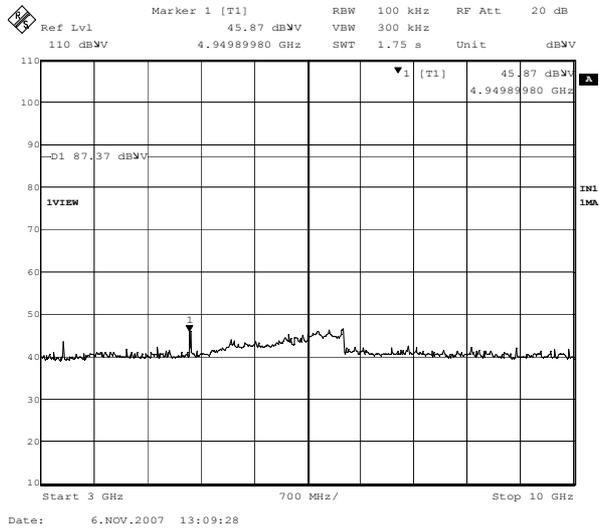
## Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8RSRBT100  
**POWER** : AC120V/60Hz

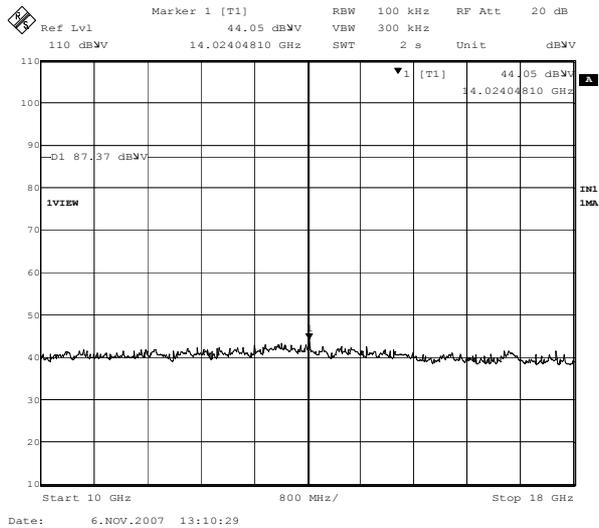
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

**[Transmitting 3DH5]**  
**Ch:2480MHz**

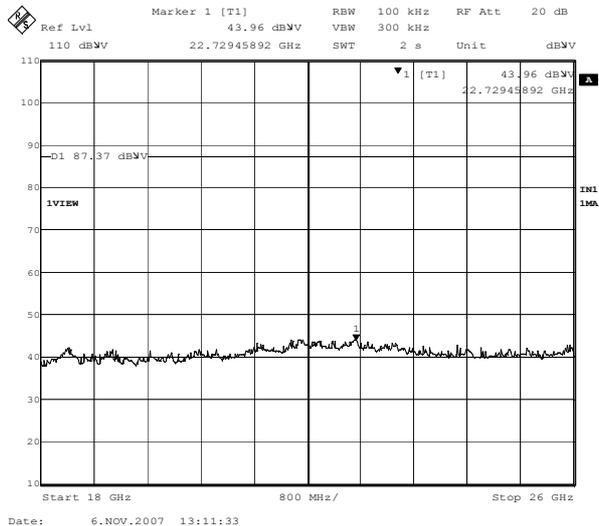
4.



5.



6.



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

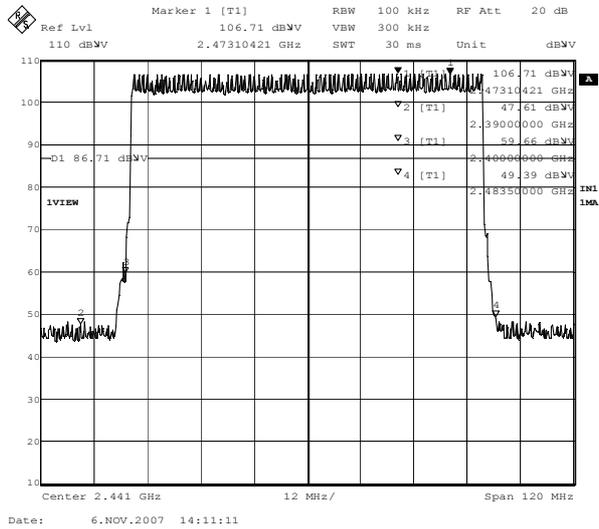
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

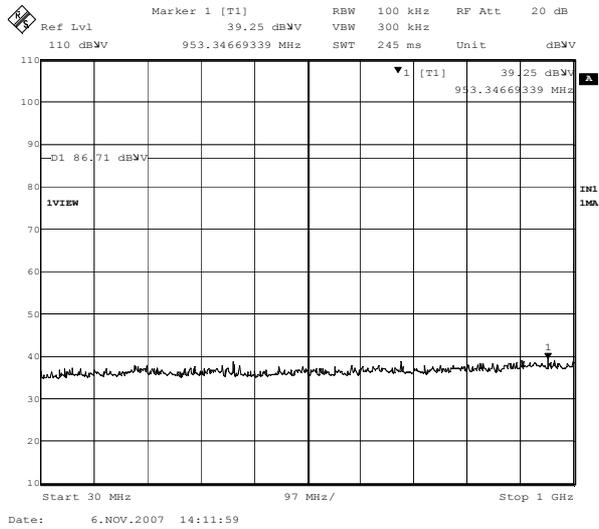
[Transmitting 3DH5]

Hopping

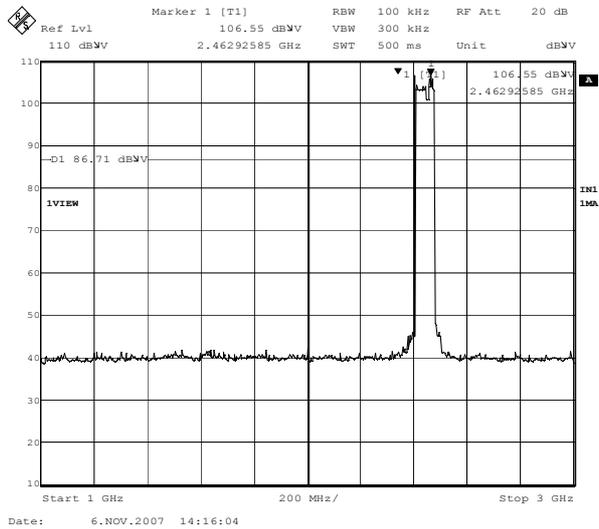
1.



2.



3.



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

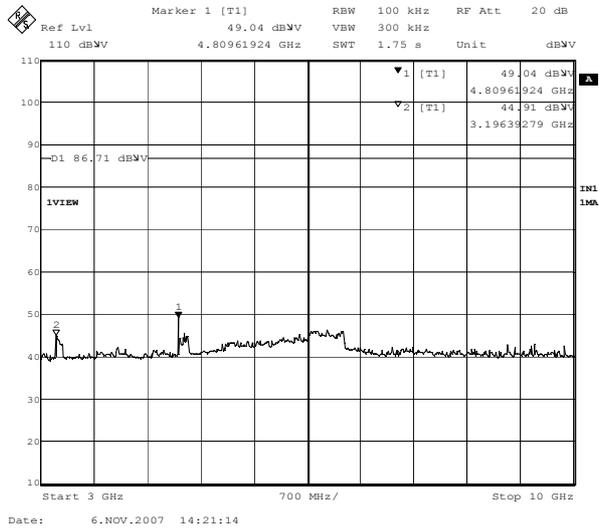
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

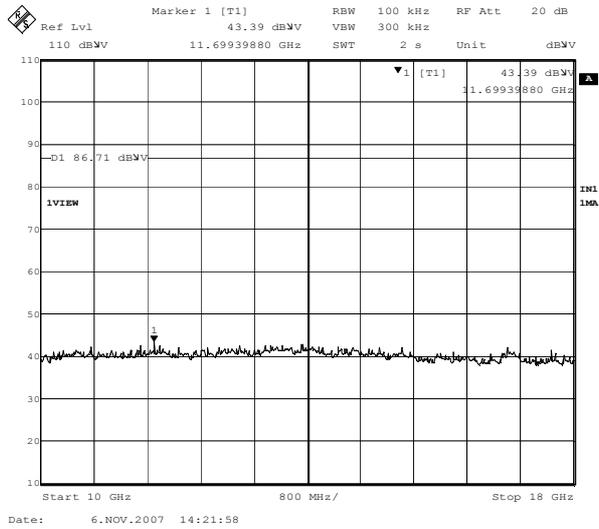
[Transmitting3 DH5]

Hopping

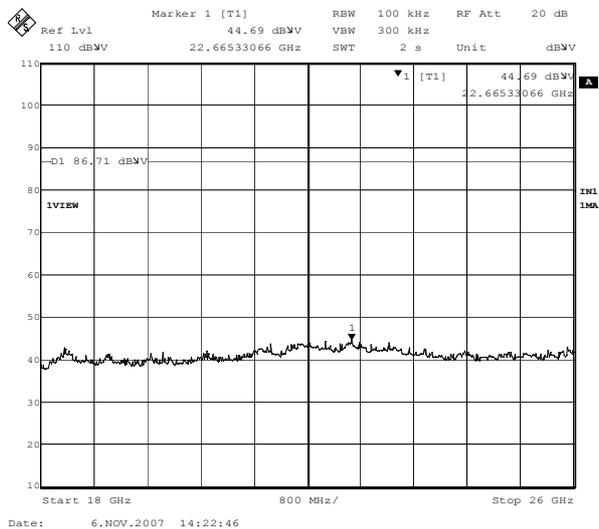
4.



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

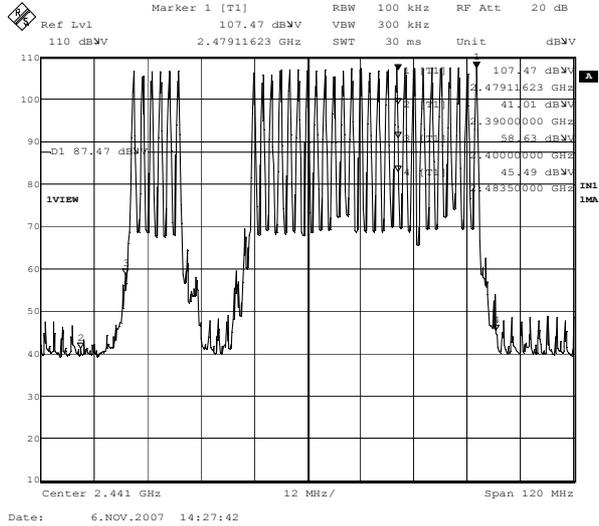
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

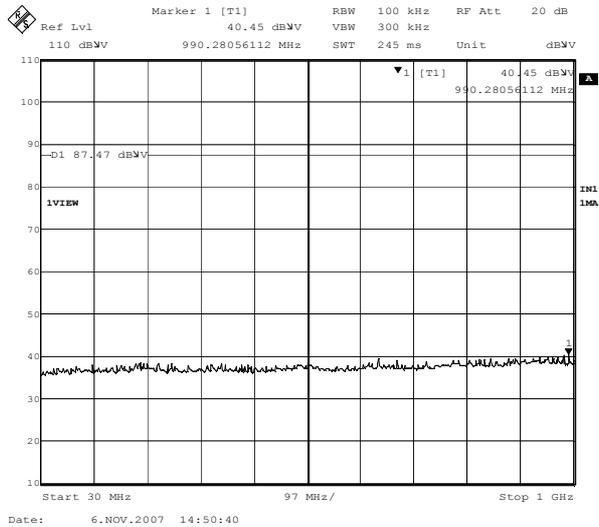
[Transmitting]

## Inquiry

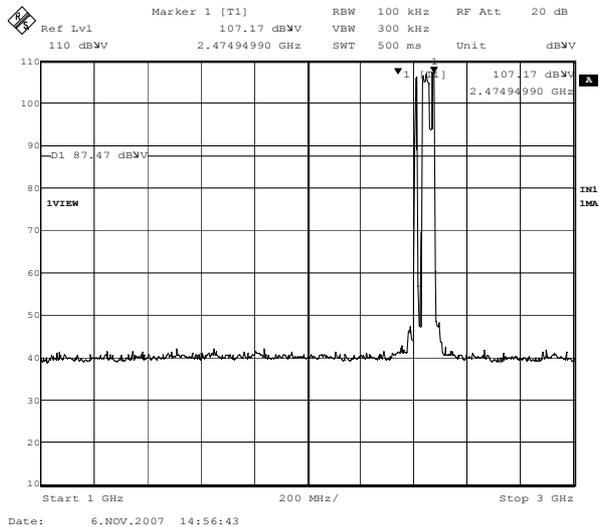
1.



2.



3.



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

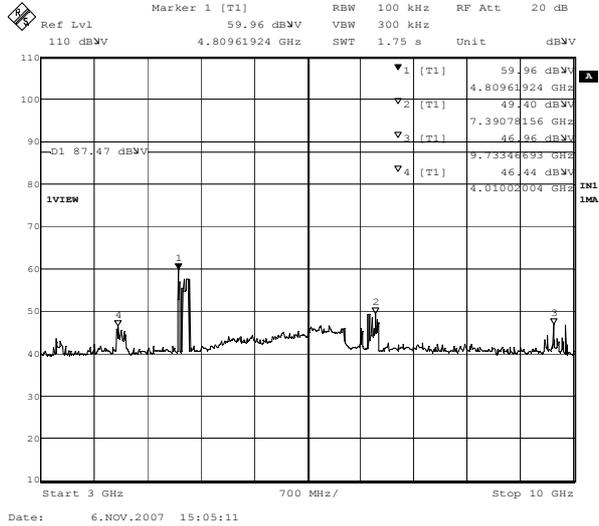
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8RSRBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : Fcc Part15SubpartC 247(d)  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

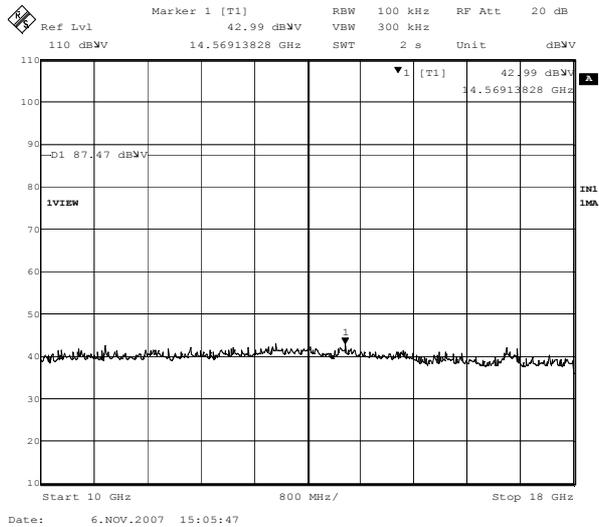
[Transmitting]

Inquiry

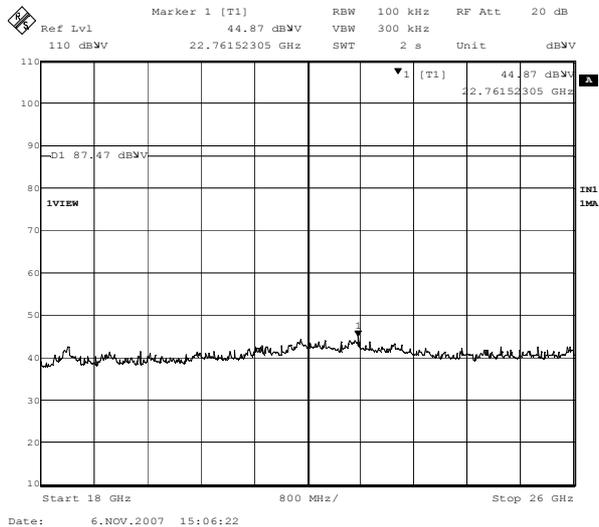
4.



5.



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# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2402MHz (DH5)  
 Remarks : -  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 43 %  
 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.	160.00	BB	26.4	25.1	15.3	28.2	2.6	5.8	21.9	20.6	43.5	21.6	22.9
2.	168.00	BB	23.3	22.6	15.7	28.2	2.7	5.8	19.3	18.6	43.5	24.2	24.9
3.	175.99	BB	25.5	23.5	16.2	28.1	2.7	5.8	22.1	20.1	43.5	21.4	23.4

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2402MHz (DH5)  
 Remarks : PK RBW:1MHz, VBW:1MHz  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C Engineer : Makoto Hosaka  
 Humidity : 43 %  
 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.	1602.03	BB	50.9	54.0	26.5	35.8	4.9	0.0	46.5	49.6	74.0	27.5	24.4
2.	2390.00	BB	43.8	44.2	29.8	35.5	5.0	0.0	43.1	43.5	74.0	30.9	30.5
3.	4804.00	BB	52.1	57.6	33.8	34.6	5.7	0.0	57.0	62.5	74.0	17.0	11.5
4.	7206.00	BB	43.0	45.0	37.5	35.3	7.6	0.0	52.8	54.8	74.0	21.2	19.2
5.	9608.00	BB	45.0	44.4	38.9	35.9	7.7	0.0	55.7	55.1	74.0	18.3	18.9
6.	12010.00	BB	42.9	43.9	40.7	35.5	8.9	0.0	57.0	58.0	74.0	17.0	16.0

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: APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

# DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2402MHz(DH5)  
FCC ID : AK8SRSBT100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

## 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*	1602.03	42.2	49.2	26.5	35.8	4.9	0.0	0.0	37.76	44.8	54.0	16.2	9.2	10
2	2390.00	43.8	44.2	29.8	35.5	5.0	0.0	-30.6	12.49	12.9	54.0	41.5	41.1	1M
3	4804.00	52.1	57.6	33.8	34.6	5.7	0.0	-30.6	26.41	31.9	54.0	27.6	22.1	1M
4	7206.00	43.0	45.0	37.5	35.3	7.6	0.0	-30.6	22.24	24.2	54.0	31.8	29.8	1M
5	9608.00	45.0	44.4	38.9	35.9	7.7	0.0	-30.6	25.07	24.5	54.0	28.9	29.5	1M
6	12010.00	42.9	43.9	40.7	35.5	8.9	0.0	-30.6	26.35	27.4	54.0	27.7	26.6	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cabel 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. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2441MHz (DH5)  
 Remarks : -  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 43 %  
 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.	160.01	BB	25.5	25.0	15.3	28.2	2.6	5.8	21.0	20.5	43.5	22.5	23.0
2.	168.00	BB	23.3	22.7	15.7	28.2	2.7	5.8	19.3	18.7	43.5	24.2	24.8
3.	176.00	BB	25.0	23.4	16.2	28.1	2.7	5.8	21.6	20.0	43.5	21.9	23.5

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2441MHz (DH5)  
Remarks : PK RBW:1MHz, VBW:1MHz  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Makoto Hosaka  
Humidity : 43 %  
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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1626.69	BB	48.4	53.8	26.7	35.8	4.9	0.0	44.2	49.6	74.0	29.8	24.4
2.	4882.00	BB	51.8	56.9	34.0	34.6	5.8	0.0	57.0	62.1	74.0	17.0	11.9
3.	7323.00	BB	43.2	43.3	37.6	35.3	7.7	0.0	53.2	53.3	74.0	20.8	20.7
4.	9764.00	BB	44.8	44.8	38.8	35.9	7.7	0.0	55.4	55.4	74.0	18.6	18.6
5.	12205.00	BB	42.9	44.6	40.5	35.4	9.0	0.0	57.0	58.7	74.0	17.0	15.3

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:APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

## DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2441MHz(DH5)  
FCC ID : AK8SRSBT100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

### 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	37.8	45.3	26.7	35.8	4.9	0.0	0.0	33.6	41.1	54.0	20.4	12.9	10
2	4882.00	51.8	56.9	34.0	34.6	5.8	0.0	-30.6	26.37	31.5	54.0	27.6	22.5	1M
3	7323.00	43.2	43.3	37.6	35.3	7.7	0.0	-30.6	22.55	22.7	54.0	31.5	31.4	1M
4	9764.00	44.8	44.8	38.8	35.9	7.7	0.0	-30.6	24.78	24.8	54.0	29.2	29.2	1M
5	12205.00	42.9	44.6	40.5	35.4	9.0	0.0	-30.6	26.36	28.1	54.0	27.6	25.9	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cabel 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. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2480MHz (DH5)  
Remarks : -  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Tatsuya Arai  
Humidity : 43 %  
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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	160.00	BB	25.6	25.3	15.3	28.2	2.6	5.8	21.1	20.8	43.5	22.4	22.7
2.	168.01	BB	23.6	22.6	15.7	28.2	2.7	5.8	19.6	18.6	43.5	23.9	24.9
3.	175.99	BB	24.8	23.0	16.2	28.1	2.7	5.8	21.4	19.6	43.5	22.1	23.9

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2480MHz (DH5)  
Remarks : PK RBW:1MHz, VBW:1MHz  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Makoto Hosaka  
Humidity : 43 %  
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.	1652.69	BB	45.6	50.7	27.0	35.8	4.9	0.0	41.7	46.8	74.0	32.3	27.2
2.	2483.50	BB	44.1	47.4	29.7	35.5	5.1	0.0	43.4	46.7	74.0	30.6	27.3
3.	4960.00	BB	52.6	53.4	34.2	34.6	5.8	0.0	58.0	58.8	74.0	16.0	15.2
4.	7440.00	BB	41.3	42.0	37.8	35.4	7.9	0.0	51.6	52.3	74.0	22.4	21.7
5.	9920.00	BB	41.8	43.8	38.7	35.9	7.7	0.0	52.3	54.3	74.0	21.7	19.7
6.	12400.00	BB	42.1	42.7	40.4	35.2	9.1	0.0	56.4	57.0	74.0	17.6	17.0

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: APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

# DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2480MHz(DH5)  
FCC ID : AK8SRSBT100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

## 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	36.1	45.0	27.0	35.8	4.9	0.0	0.0	32.18	41.1	54.0	21.8	12.9	10
2	2483.50	44.1	47.4	29.7	35.5	5.1	0.0	-30.6	12.83	16.1	54.0	41.2	37.9	1M
3	4960.00	52.6	53.4	34.2	34.6	5.8	0.0	-30.6	27.4	28.2	54.0	26.6	25.8	1M
4	7440.00	41.3	42.0	37.8	35.4	7.9	0.0	-30.6	20.95	21.7	54.0	33.1	32.3	1M
5	9920.00	41.8	43.8	38.7	35.9	7.7	0.0	-30.6	21.71	23.7	54.0	32.3	30.3	1M
6	12400.00	42.1	42.7	40.4	35.2	9.1	0.0	-30.6	25.8	26.4	54.0	28.2	27.6	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. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2402MHz (3DH5)  
 Remarks : -  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 43 %  
 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.	160.02	BB	25.4	24.9	15.3	28.2	2.6	5.8	20.9	20.4	43.5	22.6	23.1
2.	168.00	BB	23.2	22.5	15.7	28.2	2.7	5.8	19.2	18.5	43.5	24.3	25.0
3.	176.00	BB	24.4	23.0	16.2	28.1	2.7	5.8	21.0	19.6	43.5	22.5	23.9

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2402MHz (3DH5)  
 Remarks : PK RBW:1MHz, VBW:1MHz  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C Engineer : Makoto Hosaka  
 Humidity : 43 %  
 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.	1602.01	BB	47.6	53.3	26.5	35.8	4.9	0.0	43.2	48.9	74.0	30.8	25.1
2.	2390.00	BB	43.0	43.0	29.8	35.5	5.0	0.0	42.3	42.3	74.0	31.7	31.7
3.	4804.00	BB	45.7	51.9	33.8	34.6	5.7	0.0	50.6	56.8	74.0	23.4	17.2
4.	7206.00	BB	40.6	40.5	37.5	35.3	7.6	0.0	50.4	50.3	74.0	23.6	23.7
5.	9608.00	BB	41.8	42.3	38.9	35.9	7.7	0.0	52.5	53.0	74.0	21.5	21.0
6.	12010.00	BB	41.8	41.5	40.7	35.5	8.9	0.0	55.9	55.6	74.0	18.1	18.4

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: APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

# DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2402MHz(3DH5)  
FCC ID : AK8SRSBT100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

## 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	42.3	49.5	26.5	35.8	4.9	0.0	0.0	37.9	45.1	54.0	16.2	8.9	10
2	2390.00	43.0	43.0	29.8	35.5	5.0	0.0	-30.7	11.55	11.6	54.0	42.5	42.4	1M
3	4804.00	45.7	51.9	33.8	34.6	5.7	0.0	-30.7	19.85	26.1	54.0	34.2	27.9	1M
4	7206.00	40.6	40.5	37.5	35.3	7.6	0.0	-30.7	19.67	19.6	54.0	34.3	34.4	1M
5	9608.00	41.8	42.3	38.9	35.9	7.7	0.0	-30.7	21.76	22.3	54.0	32.2	31.7	1M
6	12010.00	41.8	41.5	40.7	35.5	8.9	0.0	-30.7	25.24	24.9	54.0	28.8	29.1	1M

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cabel 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. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2441MHz (3DH5)  
Remarks : -  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Tatsuya Arai  
Humidity : 43 %  
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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	160.01	BB	25.2	25.0	15.3	28.2	2.6	5.8	20.7	20.5	43.5	22.8	23.0
2.	168.01	BB	23.4	22.6	15.7	28.2	2.7	5.8	19.4	18.6	43.5	24.1	24.9
3.	176.00	BB	24.2	23.1	16.2	28.1	2.7	5.8	20.8	19.7	43.5	22.7	23.8

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2441MHz (3DH5)  
Remarks : PK RBW:1MHz, VBW:1MHz  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Makoto Hosaka  
Humidity : 43 %  
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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1626.70	BB	46.3	51.5	26.7	35.8	4.9	0.0	42.1	47.3	74.0	31.9	26.7
2.	4882.00	BB	53.9	57.0	34.0	34.6	5.8	0.0	59.1	62.2	74.0	14.9	11.8
3.	7323.00	BB	43.1	43.5	37.6	35.3	7.7	0.0	53.1	53.5	74.0	20.9	20.5
4.	9764.00	BB	44.7	44.7	38.8	35.9	7.7	0.0	55.3	55.3	74.0	18.7	18.7
5.	12205.00	BB	43.0	44.6	40.5	35.4	9.0	0.0	57.1	58.7	74.0	16.9	15.3

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: APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

## DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2441MHz(3DH5)  
FCC ID : AK8SRSBT100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

### 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	39.5	45.6	26.7	35.8	4.9	0.0	0.0	35.31	41.4	54.0	18.7	12.6	10
2	4882.00	53.9	57.0	34.0	34.6	5.8	0.0	-30.7	28.38	31.5	54.0	25.6	22.5	1M
3	7323.00	43.1	43.5	37.6	35.3	7.7	0.0	-30.7	22.42	22.8	54.0	31.6	31.2	1M
4	9764.00	44.7	44.7	38.8	35.9	7.7	0.0	-30.7	24.55	24.6	54.0	29.5	29.5	1M
5	12205.00	43.0	44.6	40.5	35.4	9.0	0.0	-30.7	26.36	28.0	54.0	27.6	26.0	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. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
Kind of Equipment : Wireless Speaker System  
Model No. : SRS-BT100  
Serial No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2480MHz (3DH5)  
Remarks : -  
Date : 10/31/2007  
Test Distance : 3 m  
Temperature : 25 °C Engineer : Tatsuya Arai  
Humidity : 43 %  
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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	160.00	BB	25.2	25.5	15.3	28.2	2.6	5.8	20.7	21.0	43.5	22.8	22.5
2.	168.01	BB	23.1	22.5	15.7	28.2	2.7	5.8	19.1	18.5	43.5	24.4	25.0
3.	176.00	BB	24.1	23.0	16.2	28.1	2.7	5.8	20.7	19.6	43.5	22.8	23.9

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-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Applicant : Sony Corporation  
 Kind of Equipment : Wireless Speaker System  
 Model No. : SRS-BT100  
 Serial No. : K001  
 Power : AC120V/60Hz  
 Mode : Transmitting 2480MHz (3DH5)  
 Remarks : PK RBW:1MHz, VBW:1MHz  
 Date : 10/31/2007  
 Test Distance : 3 m  
 Temperature : 25 °C Engineer : Makoto Hosaka  
 Humidity : 43 %  
 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.	1652.66	BB	45.5	50.6	27.0	35.8	4.9	0.0	41.6	46.7	74.0	32.4	27.3
2.	2483.50	BB	46.6	51.5	29.7	35.5	5.1	0.0	45.9	50.8	74.0	28.1	23.2
3.	4960.00	BB	51.5	53.5	34.2	34.6	5.8	0.0	56.9	58.9	74.0	17.1	15.1
4.	7440.00	BB	41.4	41.9	37.8	35.4	7.9	0.0	51.7	52.2	74.0	22.3	21.8
5.	9920.00	BB	41.7	44.0	38.7	35.9	7.7	0.0	52.2	54.5	74.0	21.8	19.5
6.	12400.00	BB	42.2	42.5	40.4	35.2	9.1	0.0	56.5	56.8	74.0	17.5	17.2

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: APPRA05 (8449B) ■ SPECTRUM ANALYZER: ESI40 (KTR-01)

# DATA OF RADIATION TEST (Above 1GHz)

UL Japan, Inc.  
YAMAKITA NO.1 ANECHOIC CHAMBER  
Report No. : 28CE0165-YK-01-A

Company : Sony Corporation  
Equipment : Wireless Speaker System  
Model : SRS-BT100  
Sample No. : K001  
Power : AC120V/60Hz  
Mode : Transmitting 2480MHz(3DH5)  
FCC ID : AK8SRST100

Regulation : FCC Part15C Section 15.209  
Test Distance : 3m  
Date : 2007/10/31  
Temperature : 25deg.C  
Humidity : 43%

ENGINEER : Makoto Hosaka

## 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	36.8	47.5	27.0	35.8	4.9	0.0	0.0	32.89	43.6	54.0	21.1	10.5	10
2	2483.50	46.6	51.5	29.7	35.5	5.1	0.0	-30.7	15.21	20.1	54.0	38.8	33.9	1M
3	4960.00	51.5	53.6	34.2	34.6	5.8	0.0	-30.7	26.2	28.3	54.0	27.8	25.7	1M
4	7440.00	41.4	41.9	37.8	35.4	7.9	0.0	-30.7	20.96	21.5	54.0	33.0	32.5	1M
5	9920.00	41.7	44.0	38.7	35.9	7.7	0.0	-30.7	21.48	23.8	54.0	32.5	30.2	1M
6	12400.00	42.2	42.5	40.4	35.2	9.1	0.0	-30.7	25.8	26.1	54.0	28.2	27.9	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

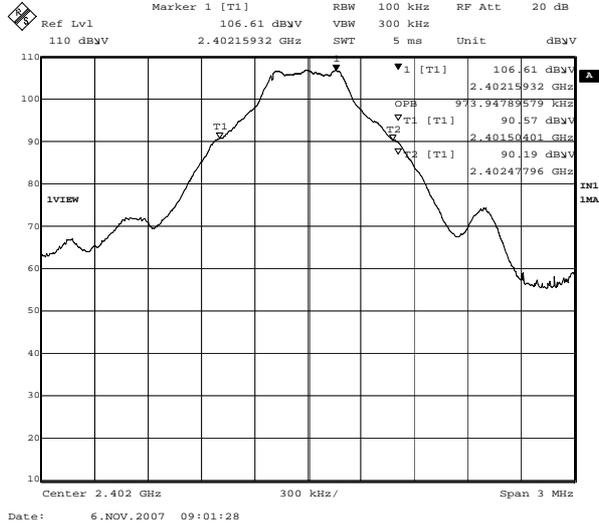
## Occupied Bandwidth(99%)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

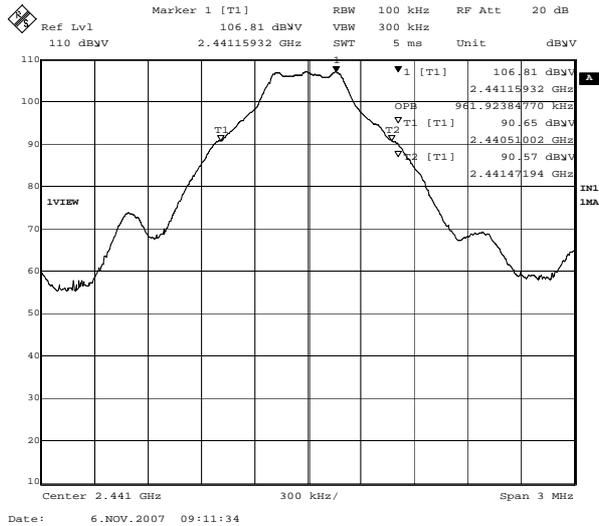
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : RSS-210  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

[Hopping off, DH5]

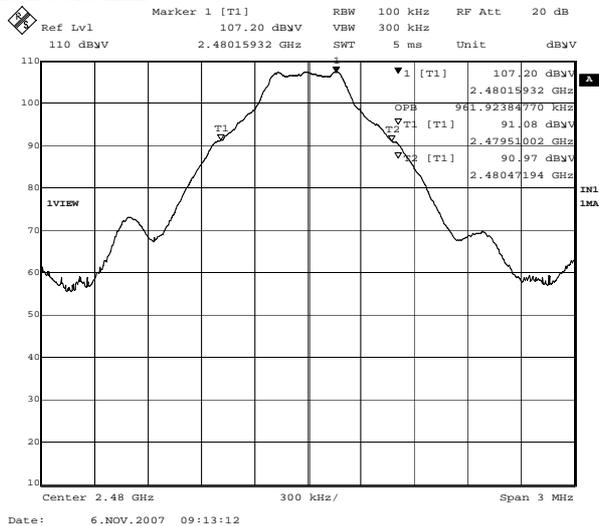
**1. ch : 2402MHz/Occupied Bandwidth:973.9kHz**



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



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



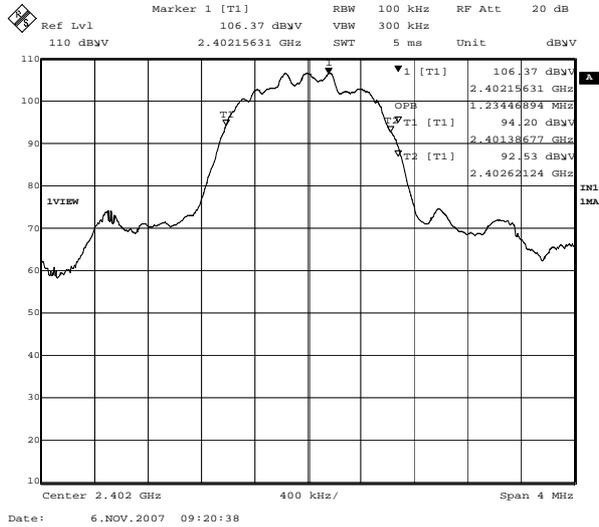
## Occupied Bandwidth(99%)

**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

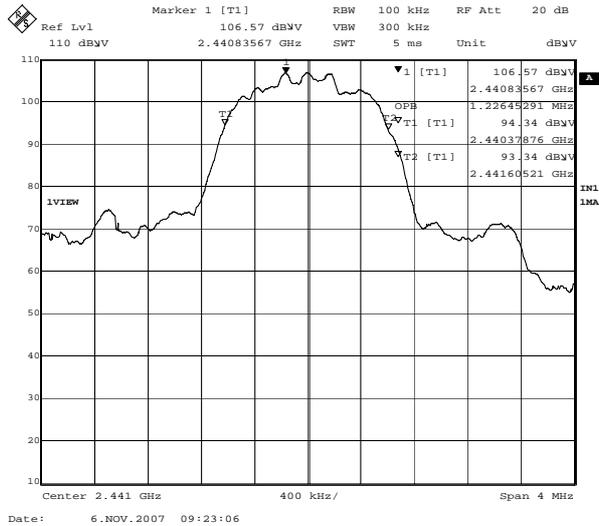
**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : RSS-210  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

[Hopping off, 3DH5]

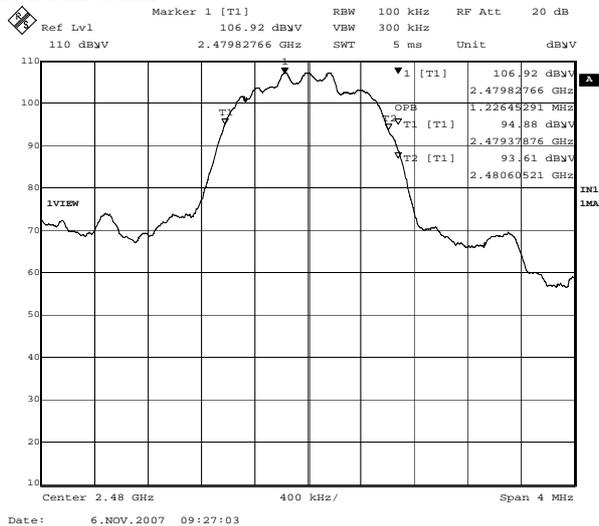
**4. ch : 2402MHz/Occupied Bandwidth:1.234MHz**



**5. ch : 2441MHz/Occupied Bandwidth:1.226MHz**



**6. ch : 2480MHz/Occupied Bandwidth:1.226MHz**

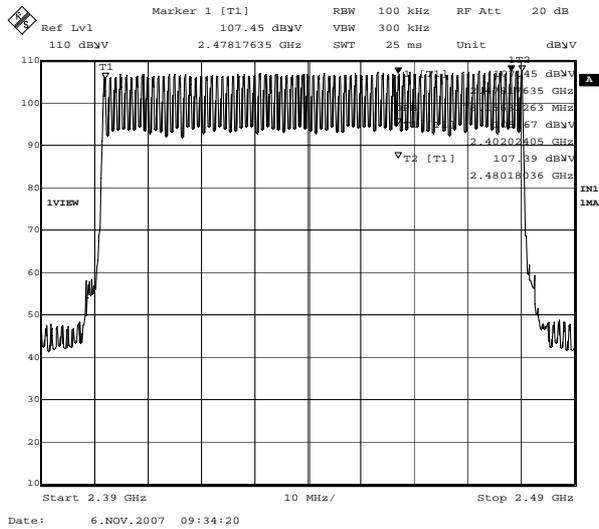


## Occupied Bandwidth(99%)

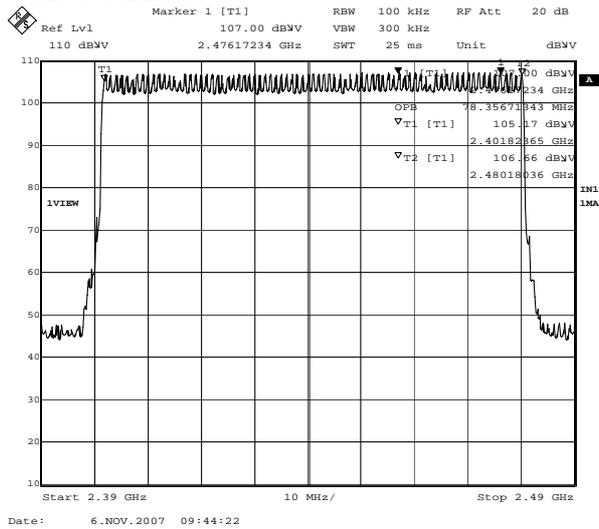
**COMPANY** : Sony Corporation  
**EQUIPMENT** : Wireless Speaker System  
**MODEL NUMBER**: SRS-BT100  
**SERIAL NUMBER**: K002  
**FCC ID** : AK8SRSBT100  
**POWER** : AC120V/60Hz

**UL Japan, Inc. Yamakita No.4 Shielded Room**  
**REPORT NO** : 28CE0165-YK-01-A  
**REGULATION** : RSS-210  
**DATE** : 2007.11.6  
**TEMP./HUMI** : 24deg.C./55%  
**TEST MODE** : Transmitting  
**ENGINEER** : Tatsuya Arai

### 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	2007/11/01 * 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-02	Spectrum Analyzer	Advantest	R3265A	RE	2006/12/02 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ES140	RE/AT1,2,3,4,6	2007/04/12 * 12
KJM-01	Measure	TAJIMA	GL19-55	RE	-
APPRA05	Pre Amplifier	Hewlett Packard	8449B	RE	2006/12/21 * 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
YA-CE	Conducted emission(software)	UL Japan	CE(Ver.1.6)	CE	-
KCC-14/15/16 /18/KPL-01/KRM-01	Coaxial Cable/Pulse Limiter/RF Relay Matrix	Fujikura/Suhner/PMM/TSJ	5D-2W/8D-2W/S04272B/S04272B/PL01/-	CE	2007/05/15 * 12
KLS-01	LISN(AMN)	Schwarzbeck	NSLK8126	CE (EUT)	2007/04/05 * 12
KOS-04	Humidity Indicator	SATO	PC-5000TRH	CE	2006/07/14 * 24
KSA-05	Spectrum Analyzer	Advantest	R3365	CE	2007/06/23 * 12
KTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2007/09/05 * 12
KJM-03	Measure	TAJIMA	GL19-55	CE	-
KCC-D16	Coaxial Cable	INSULATED WIRE INC	KPS-1501-200-KPS	AT all	2007/02/05 * 12
KPM-05	Power meter	Agilent	E4417A	AT5	2007/04/03 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT5	2007/03/13 * 12
KDT-01	Coaxial Crystal Detector	Agilent	8473C	AT4	Pre Check
KOSC-01	Oscilloscope	Tektronix	TDS-2022B	AT4	2007/05/15 * 12

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 :

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