Channel Separation: FCC 15.247(a)(1)

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(a)(1)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.22
SERIAL NUMBER	: 108	TEMP./HUMI	: 25deg.C./45%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka

Limit: ≥25kHz or 2/3 * 20dB Bandwidth (Power : No greater than 125mW)

1. Hopping, DH5: 1.012MHz (2/3*20dB Bandwidth:2/3*1.136MHz = 757.3kHz)

Date: 22.OCT.2007 14:24:49
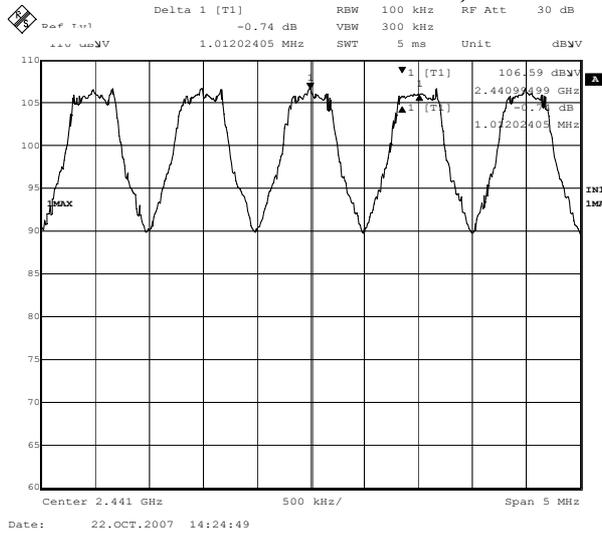
2. Hopping, 3DH5: 1.002MHz (2/3*20dB Bandwidth:2/3*1.411MHz = 940.7kHz)

Date: 22.OCT.2007 14:12:30
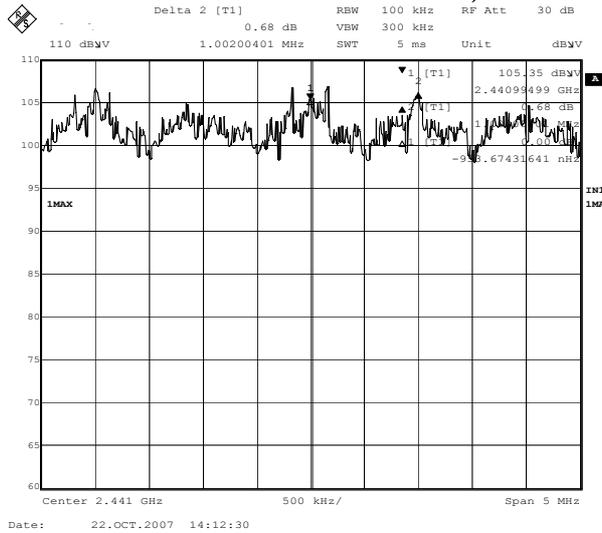
3. Inquiry: 1.994MHz (2/3*20dB Bandwidth:2/3*1.094MHz = 729.3kHz)
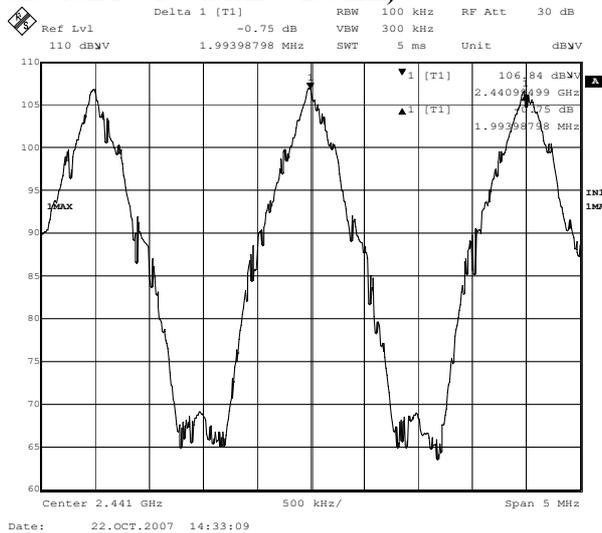
Date: 22.OCT.2007 14:33:09

12

20dB Bandwidth: FCC 15.247(a)(1)

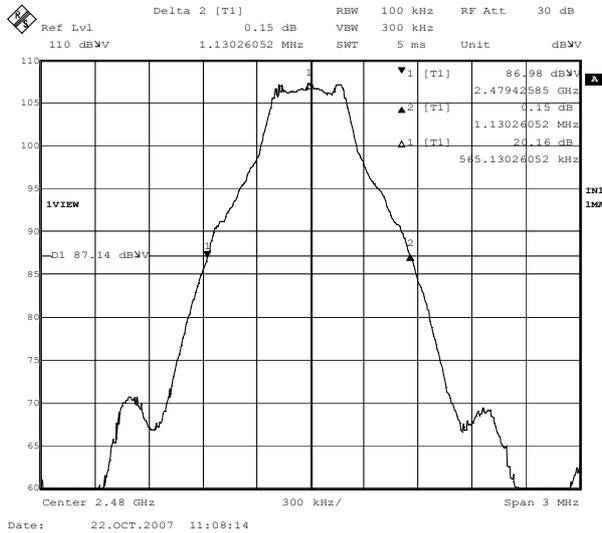|			
COMPANY	: Sony Corporation	**REPORT NO**	: 28BE0135-YK-01-A
EQUIPMENT	: Wireless Audio Receiver	**REGULATION**	: Fcc Part15SubpartC 247(a)(1)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

[Hopping off, DH5]

1. ch : 2402MHz/20dB Bandwidth:1.130MHz
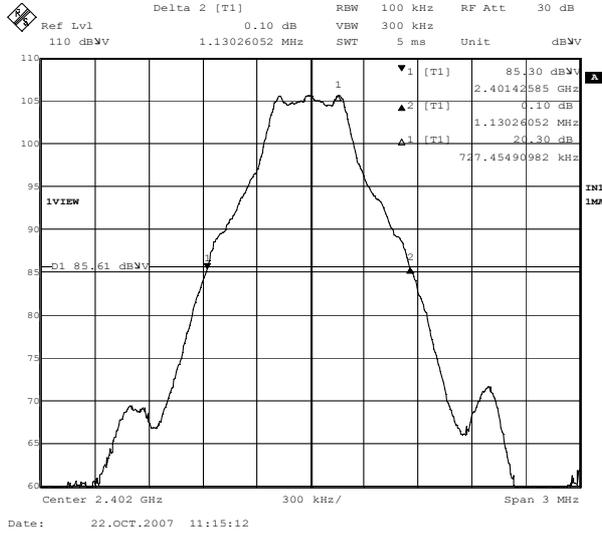
2. ch : 2441MHz/20dB Bandwidth:1.136MHz
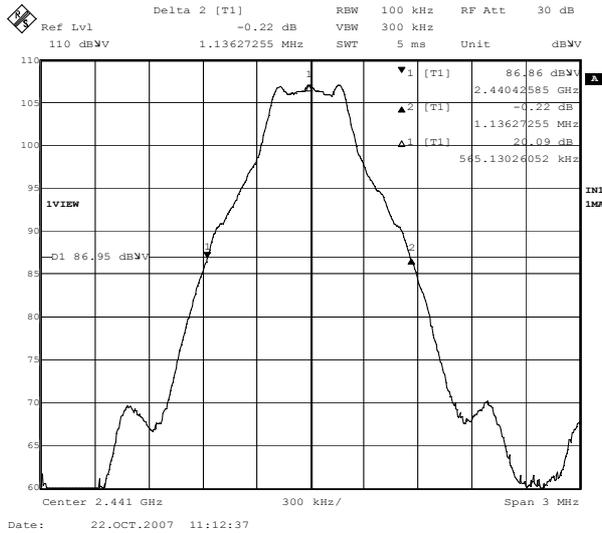
3. ch : 2480MHz/20dB Bandwidth:1.130MHz

13

20dB Bandwidth: FCC 15.247(a)(1)

COMPANY	: Sony Corporation	**REPORT NO**	: 28BE0135-YK-01-A
EQUIPMENT	: Wireless Audio Receiver	**REGULATION**	: Fcc Part15SubpartC 247(a)(1)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

[Hopping off, 3DH5]

4.   ch : 2402MHz/20dB Bandwidth:1.411MHz

5.   ch : 2441MHz/20dB Bandwidth:1.403MHz
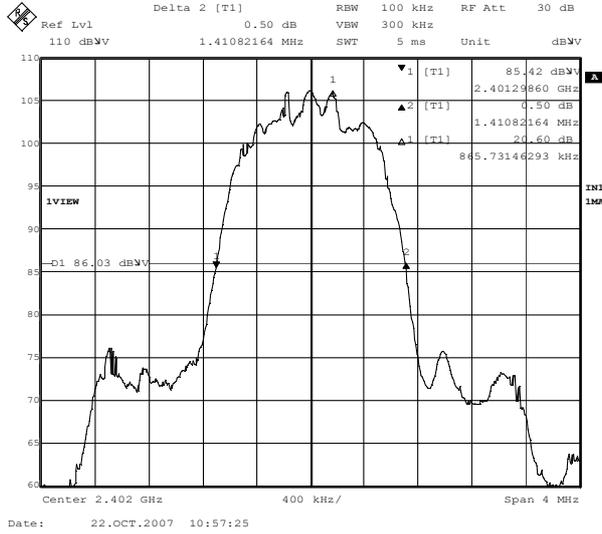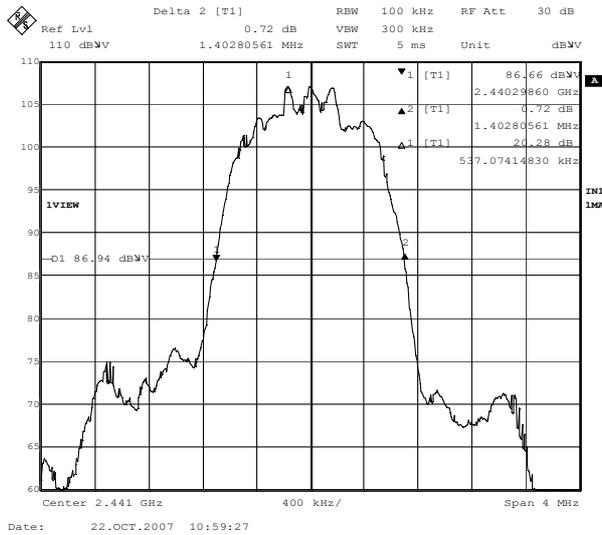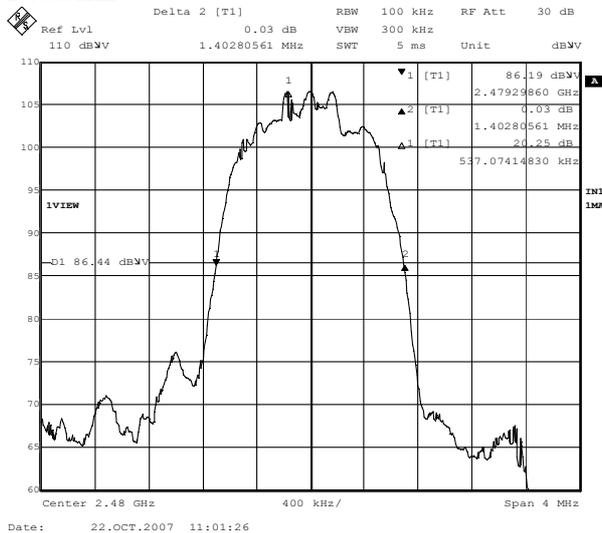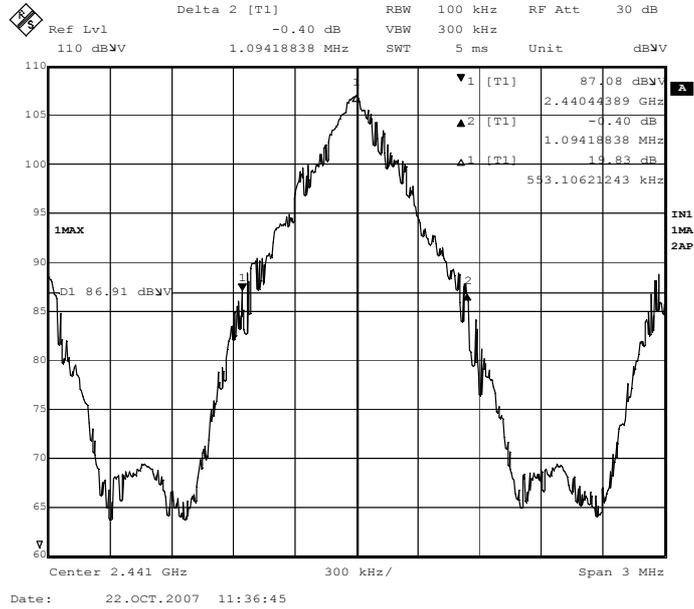

6.   ch : 2480MHz/20dB Bandwidth:1.403MHz

14

20dB Bandwidth: FCC 15.247(a)(1)

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(a)(1)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

[Inquiry]

7. Inauiry/20dB Bandwidth:1.094MHz

Delta 2 [T1]		RBW	100 kHz	RF Att	30 dB
Ref Lvl	-0.40 dB	VBW	300 kHz		
110 dBμV	1.09418838 MHz	SWT	5 ms	Unit	dBμV

```
▼1 [T1]        87.08 dBμV
              2.44044389 GHz
▲2 [T1]           -0.40 dB
              1.09418838 MHz
△1 [T1]           19.83 dB
              553.10621243 kHz
                              IN1
                              1MA
                              2AP
1MAX
D1 86.91 dBμV
```

Center 2.441 GHz   300 kHz/   Span 3 MHz

Date: 22.OCT.2007 11:36:45

15

Channel Utilization: FCC 15.247(a)(1)(iii)

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

<u>Hopping, DH5: 79ch</u>

1.

2.

3.

16

Channel Utilization: FCC 15.247(a)(1)(iii)

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

4.

5.
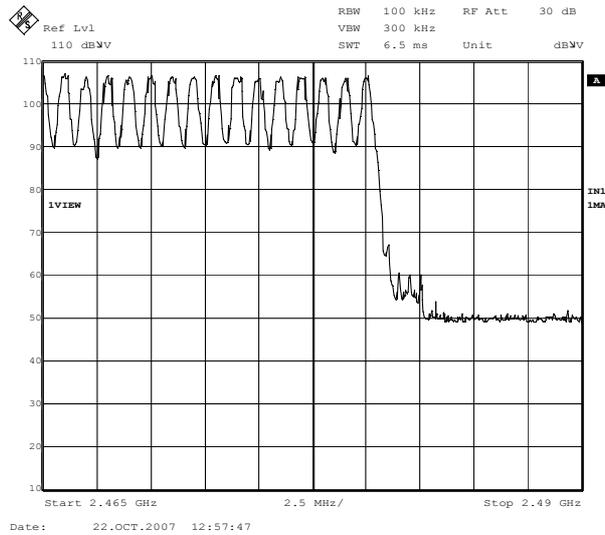
17

Channel Utilization: FCC 15.247(a)(1)(iii)

COMPANY	: Sony Corporation	REPORT NO	: 28BE0135-YK-01-A
EQUIPMENT	: Wireless Audio Receiver	REGULATION	: Fcc Part15SubpartC 247(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.22
SERIAL NUMBER	: 108	TEMP./HUMI	: 25deg.C./45%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka

Hopping, 3DH5: 79ch

1.

2.

3.

18

Channel Utilization: FCC 15.247(a)(1)(iii)

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

4.


```
          RBW   100 kHz    RF Att    30 dB
Ref Lvl   VBW   300 kHz
110 dBμV  SWT   6.5 ms     Unit      dBμV
```

Start 2.44 GHz   2.5 MHz/   Stop 2.465 GHz

Date: 22.OCT.2007 13:52:46

5.


```
          RBW   100 kHz    RF Att    30 dB
Ref Lvl   VBW   300 kHz
110 dBμV  SWT   6.5 ms     Unit      dBμV
```

Start 2.465 GHz   2.5 MHz/   Stop 2.49 GHz

Date: 22.OCT.2007 14:03:26
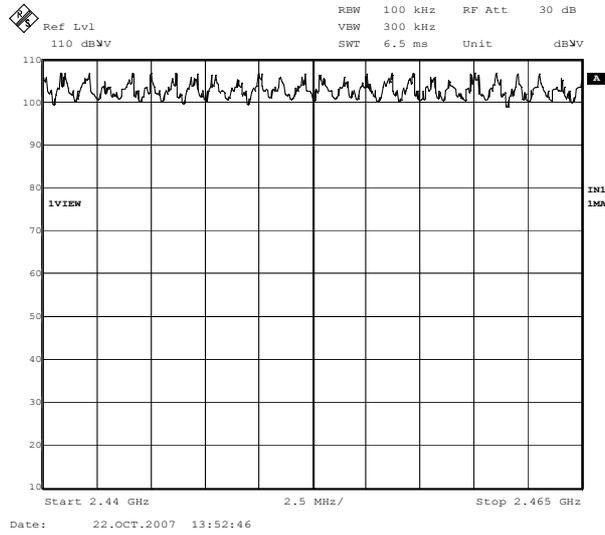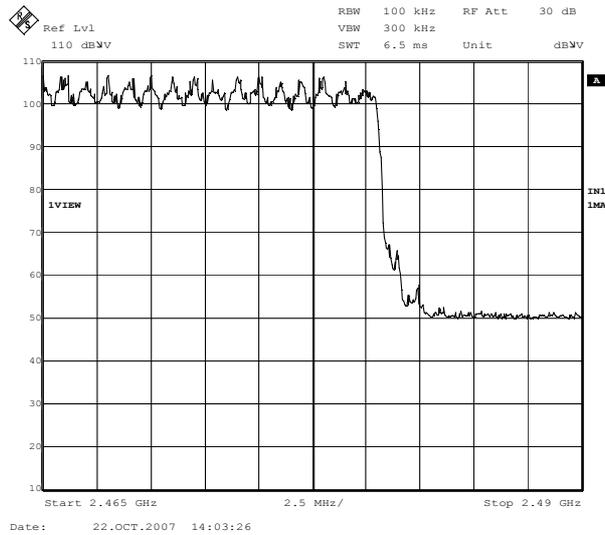
Channel Utilization: FCC 15.247(a)(1)(iii)

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.22
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 25deg.C./45%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

1. Inquiry: 32ch
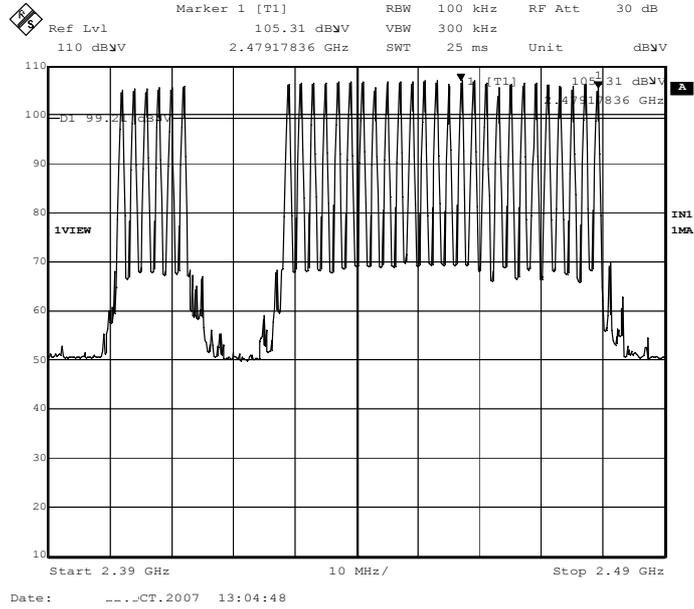
20

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (DH1):

Count 1
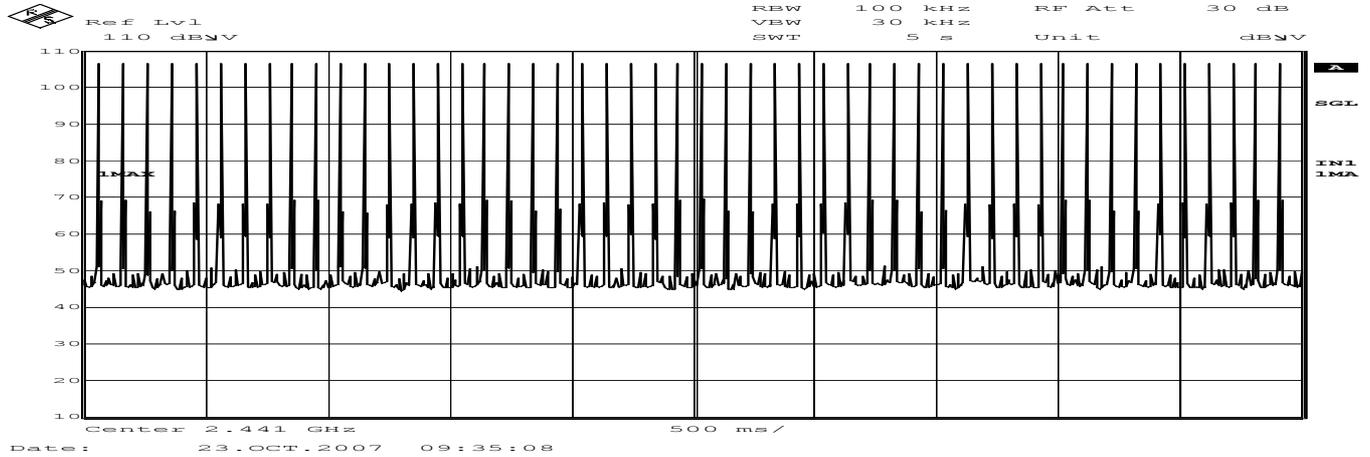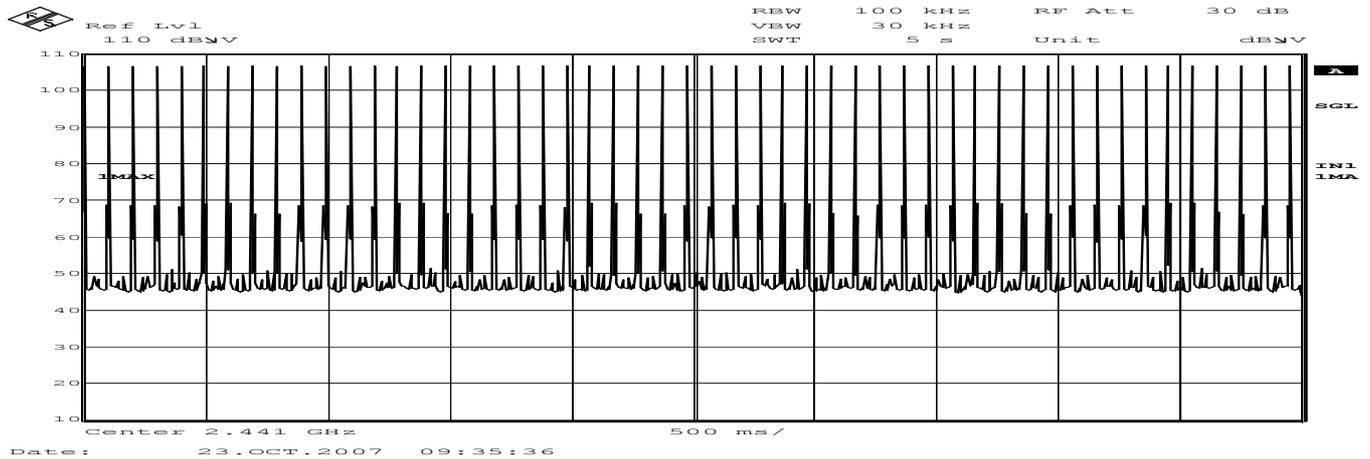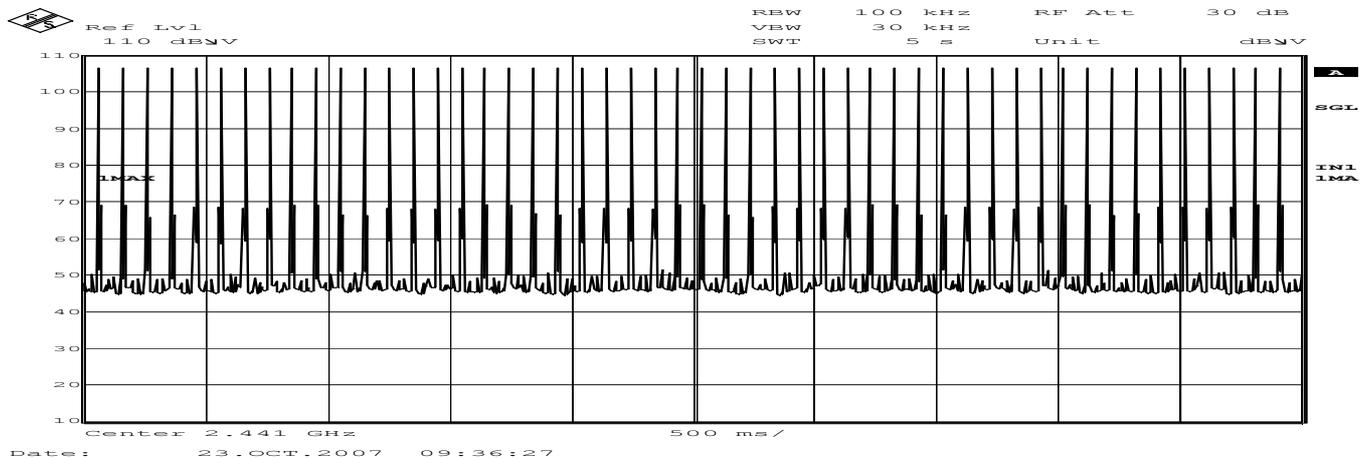
Date: 23.OCT.2007 09:35:08

Count 2

Date: 23.OCT.2007 09:35:36

Count 3

Date: 23.OCT.2007 09:36:27

21

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

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka

Count 4

RBW 100 kHz RF Att 30 dB
VBW 30 kHz
SWT 5 s Unit dBµV
Ref Lvl 110 dBµV

Center 2.441 GHz   500 ms/
Date: 23.OCT.2007   09:36:50

Count 5

RBW 100 kHz RF Att 30 dB
VBW 30 kHz
SWT 5 s Unit dBµV
Ref Lvl 110 dBµV

Center 2.441 GHz   500 ms/
Date: 23.OCT.2007   09:37:39
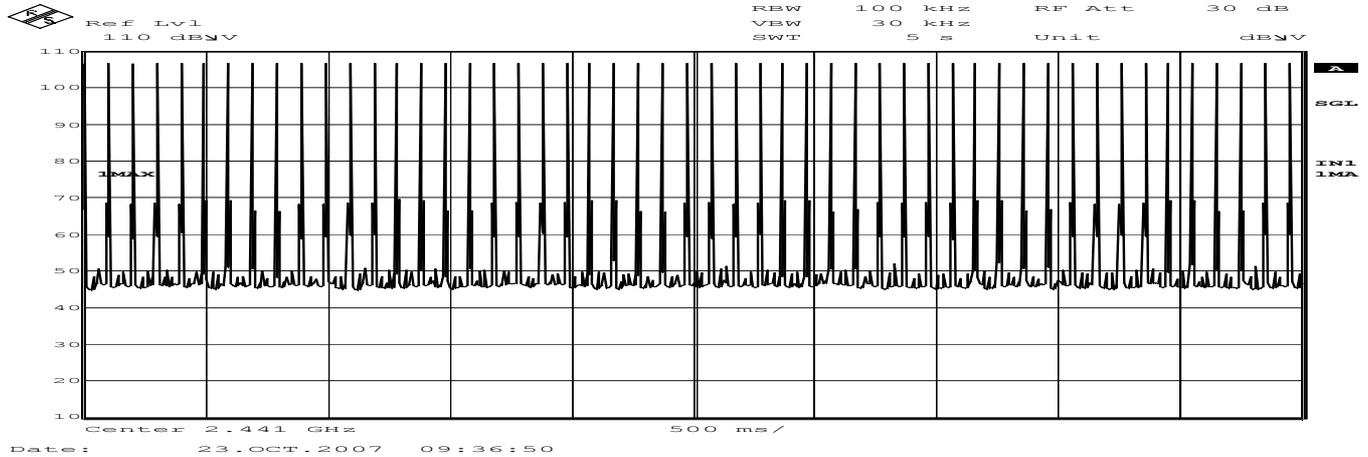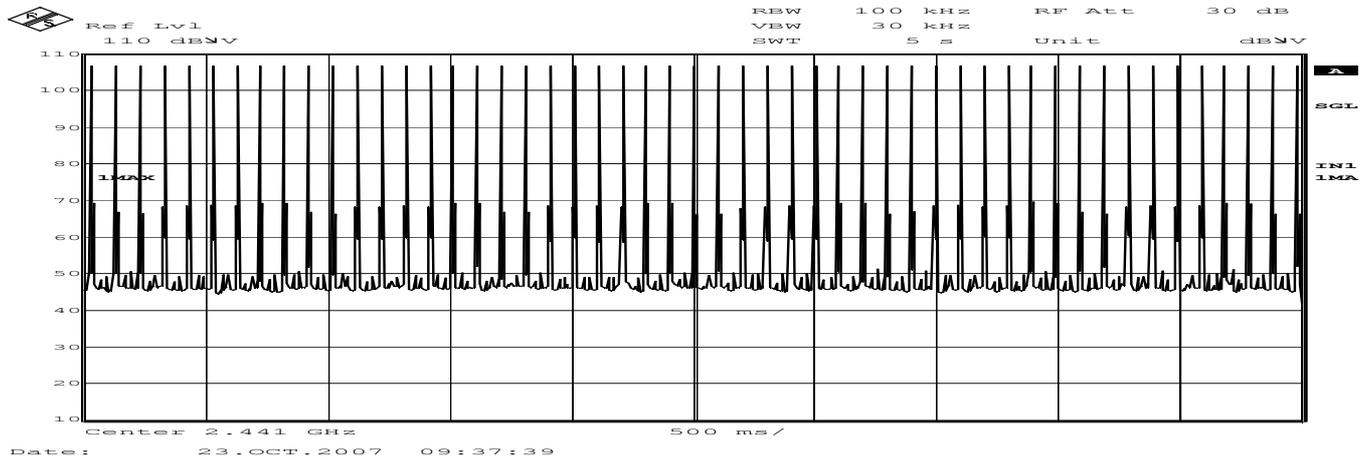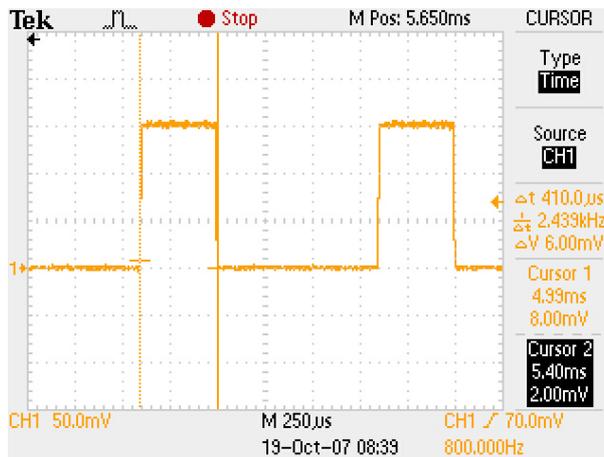
Duty cycle(Hopping DH1)

Average times of rising in 30 sec. of sweep = (50 + 50 + 50 + 51 + 51) / 5 = 50.4
Average times of rising in 1 sec. = 50.4 / 5s = 10.08
Average times of rising in 0.4x = 0.4 * 79ch * 10.08 = 318.53
Dwell time = 318.53 * 0.410 = 130.6 [ms]
Limit : Dwell Time < 0.4[s]

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

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (DH3):

Count 1
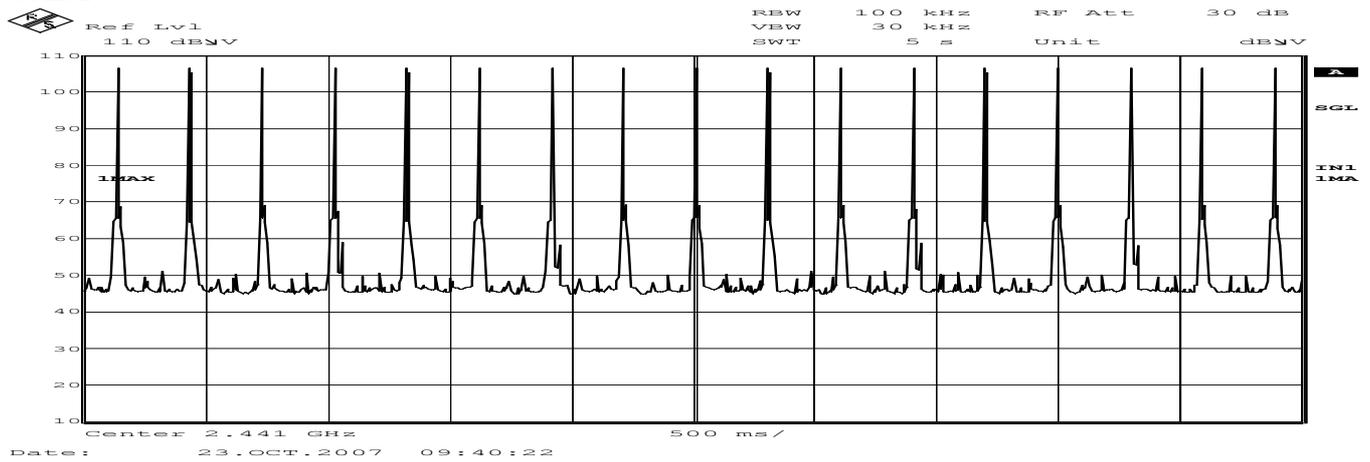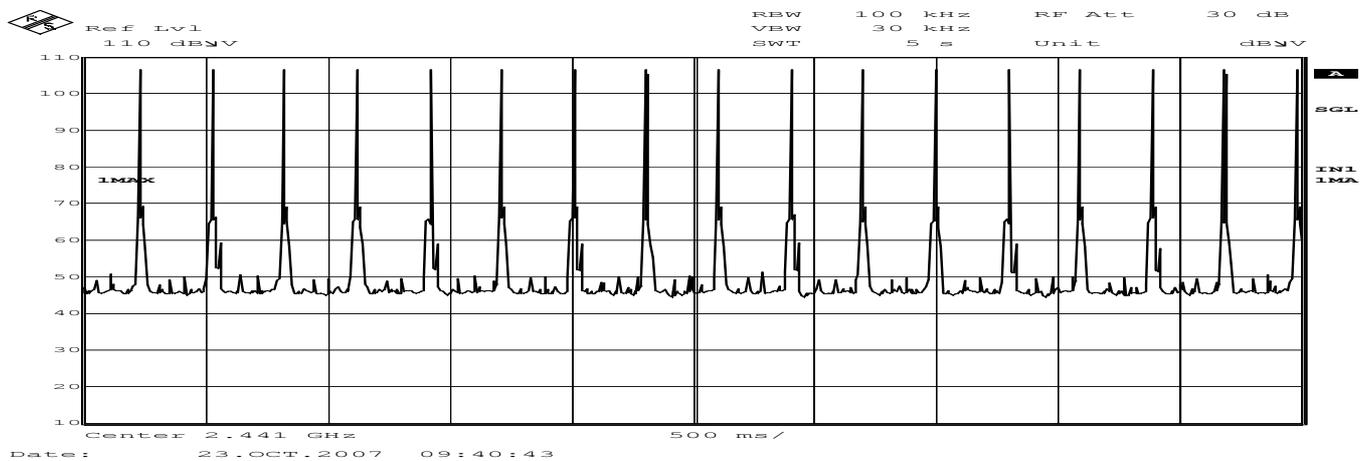
Date: 23.OCT.2007 09:39:22

Count 2

Date: 23.OCT.2007 09:40:22

Count 3

Date: 23.OCT.2007 09:40:43

23

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

COMPANY	: Sony Corporation	REPORT NO	: 28BE0135-YK-01-A
EQUIPMENT	: Wireless Audio Receiver	REGULATION	: Fcc Part15SubpartC 247(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka
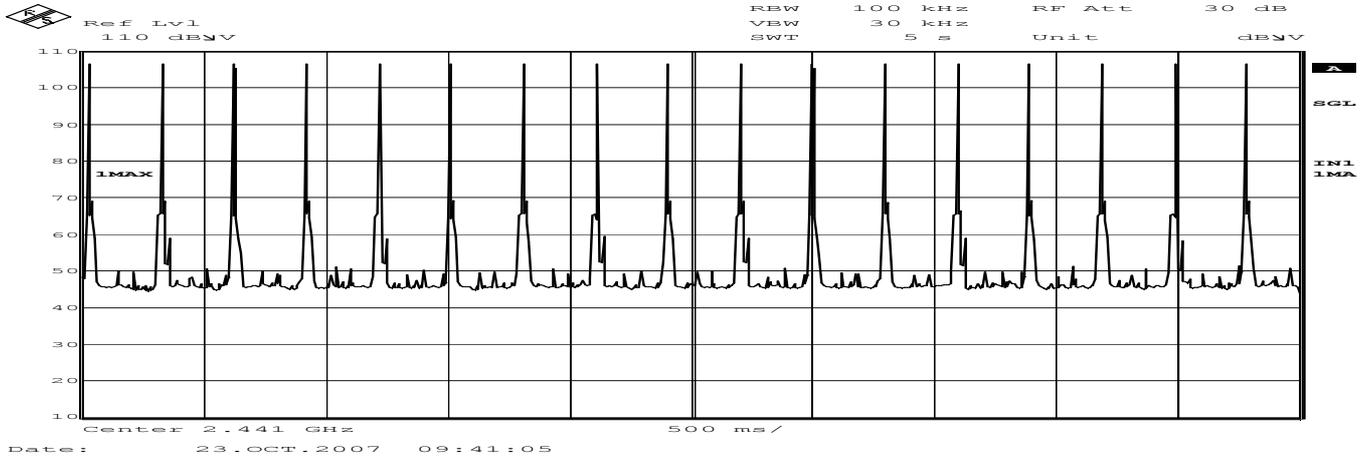
Count 4

Count 5
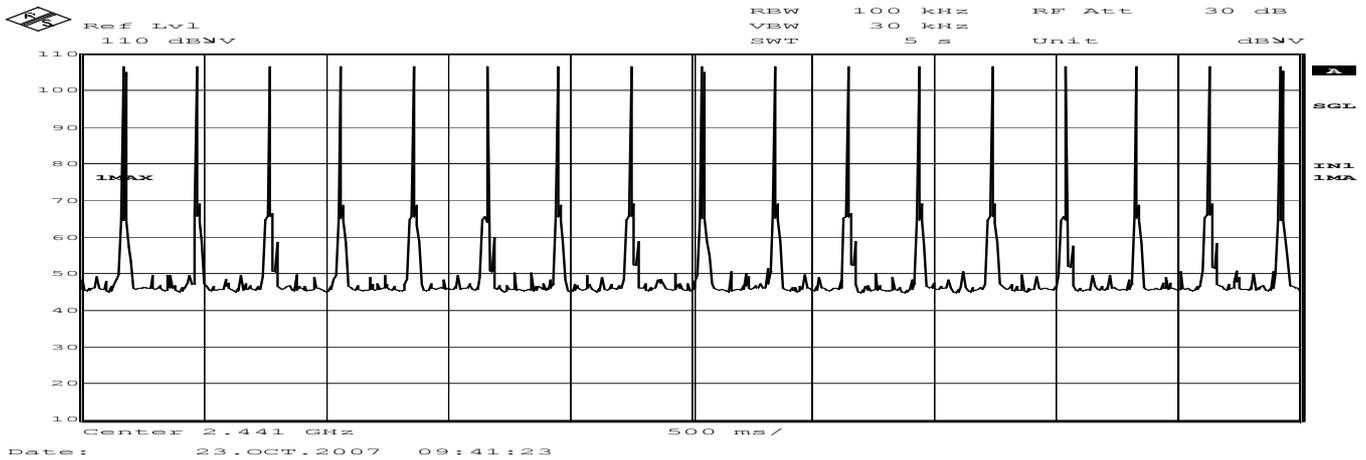
Duty cycle(Hopping DH3)
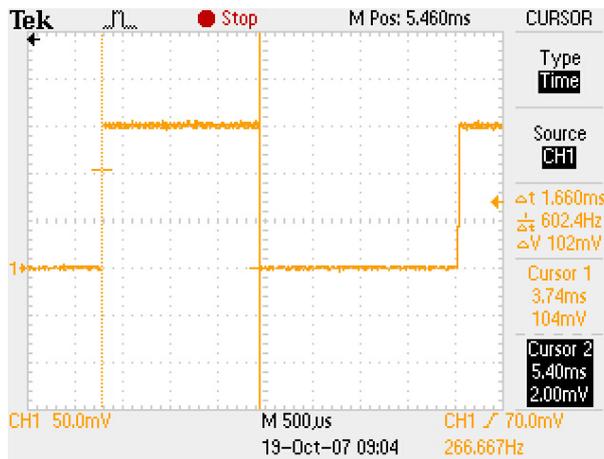
Average times of rising in 30 sec. of sweep = (17 + 17 + 17 + 17 + 171) / 5 = 17
Average times of rising in 1 sec. = 17 / 5s = 3.4
Average times of rising in 0.4x = 0.4 * 79ch * 3.4 = 107.44
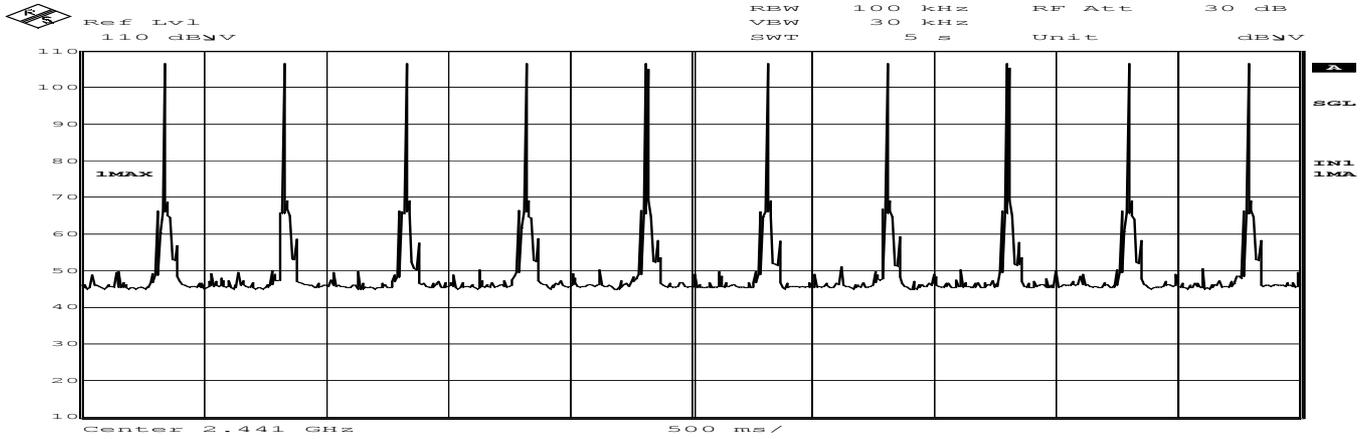Dwell time = 107.44 * 1.66 = 178.35 [ms]
Limit : Dwell Time < 0.4[s]

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (DH5):

Count 1
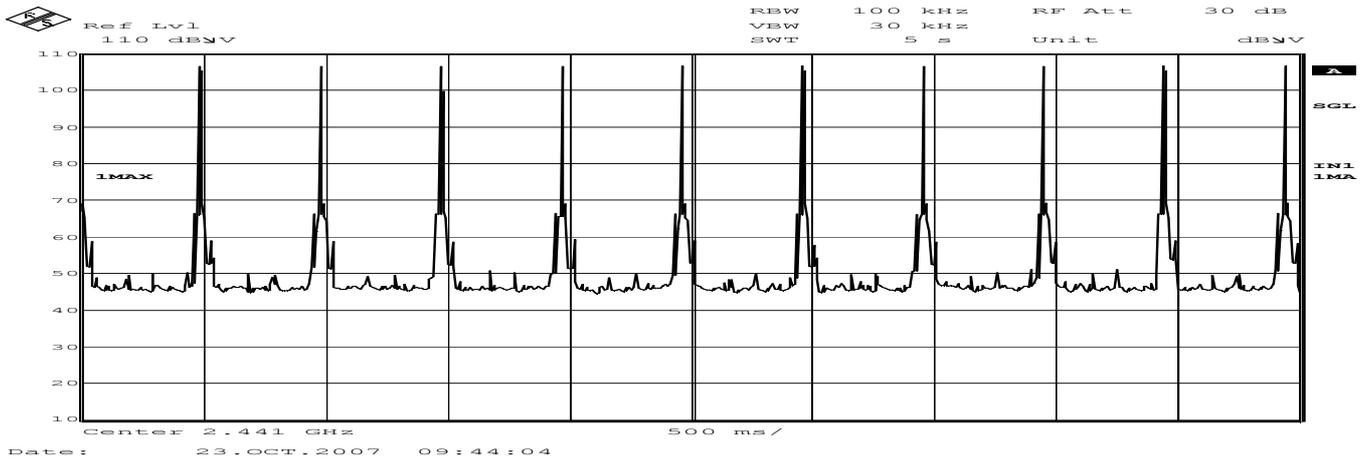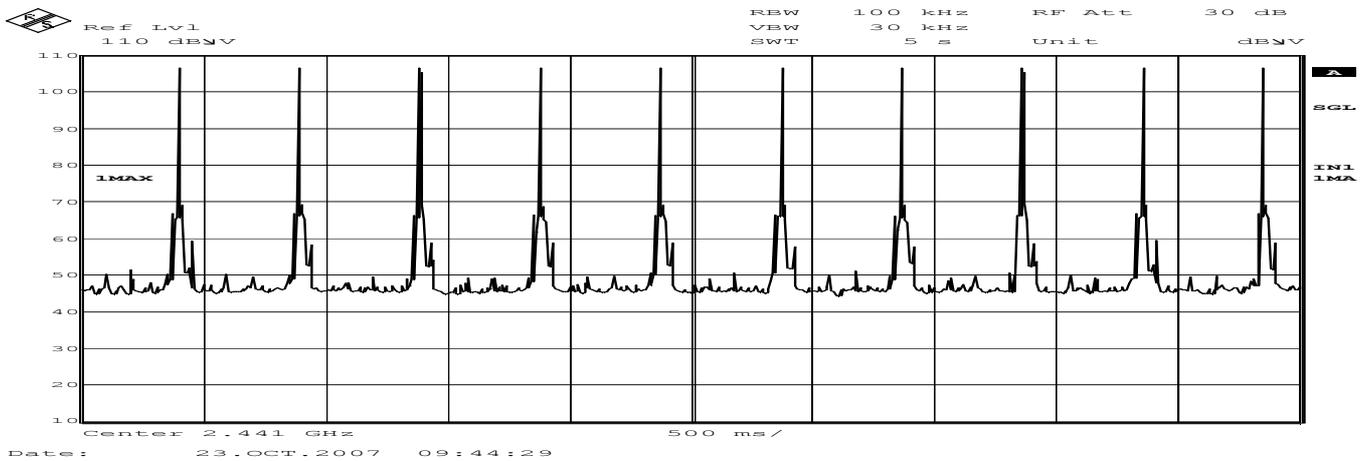
Date: 23.OCT.2007 09:43:38

Count 2

Date: 23.OCT.2007 09:44:04

Count 3

Date: 23.OCT.2007 09:44:29

25

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

UL Japan, Inc. Yamakita No.4 Shielded Room

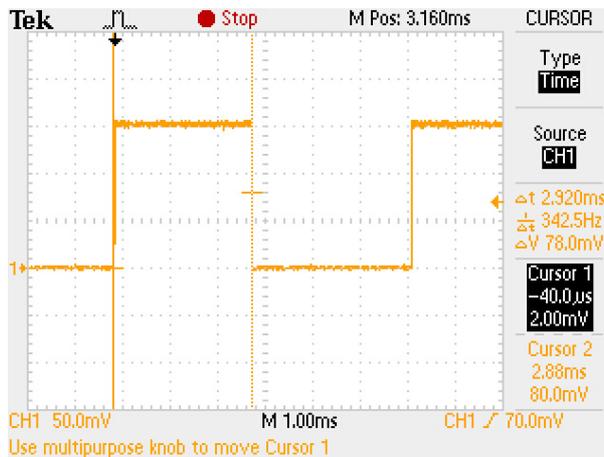|			
COMPANY	: Sony Corporation	REPORT NO	: 28BE0135-YK-01-A
EQUIPMENT	: Wireless Audio Receiver	REGULATION	: Fcc Part15SubpartC 247(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka
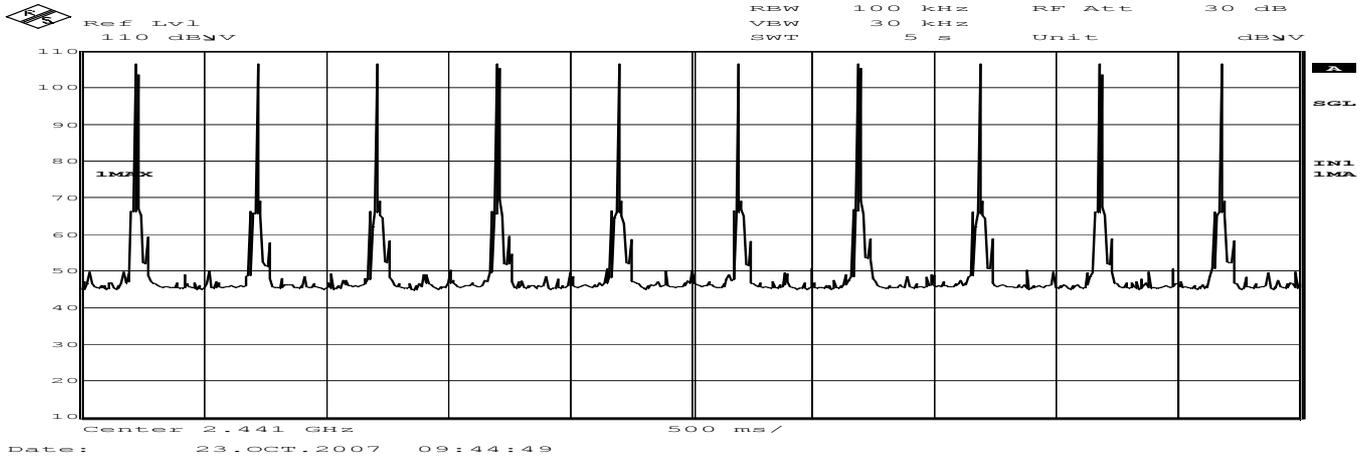
Count 4

Count 5
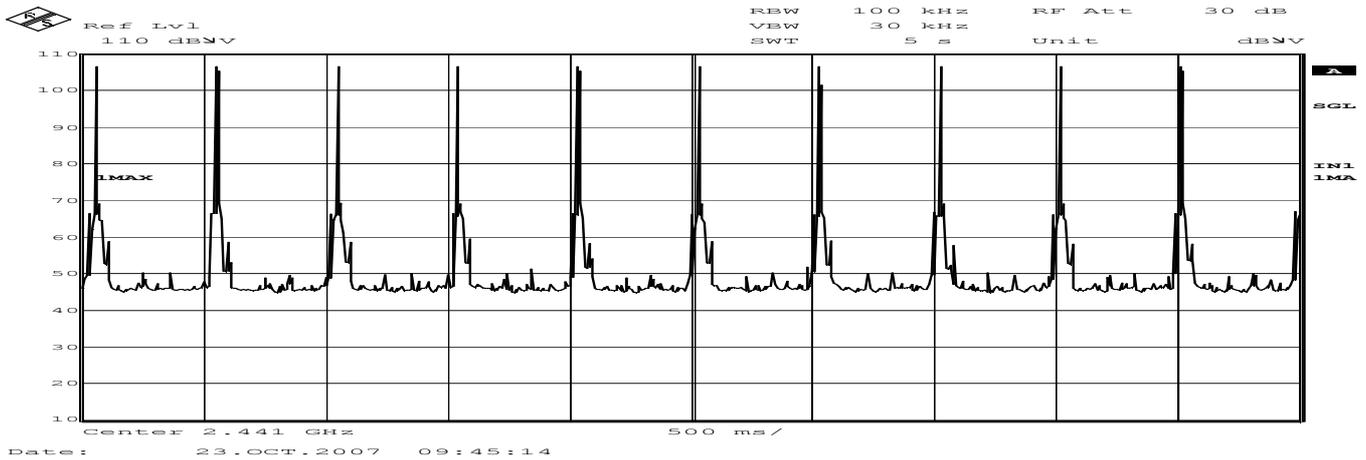
Duty cycle(Hopping DH5)

Average times of rising in 30 sec. of sweep = (10 + 10 + 10 + 10 + 10) / 5 = 10

Average times of rising in 1 sec. = 10 / 5s = 2.00

Average times of rising in 0.4x = 0.4 * 79ch * 2.00 = 63.2

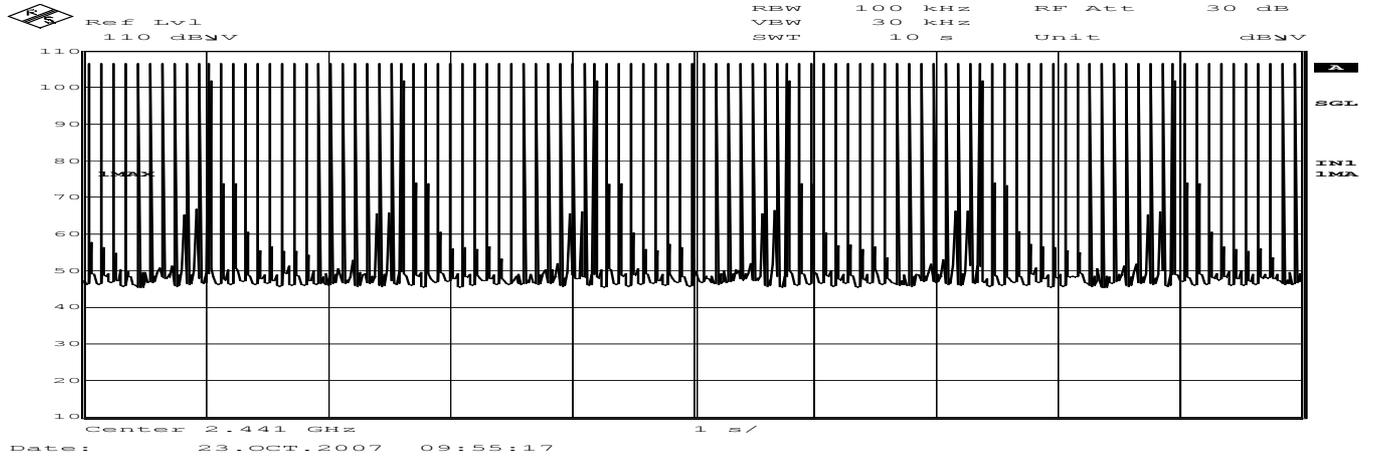Dwell time = 63.2 * 2.92 = 184.54 [ms]

Limit : Dwell Time < 0.4[s]

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (3DH1):

Count 1
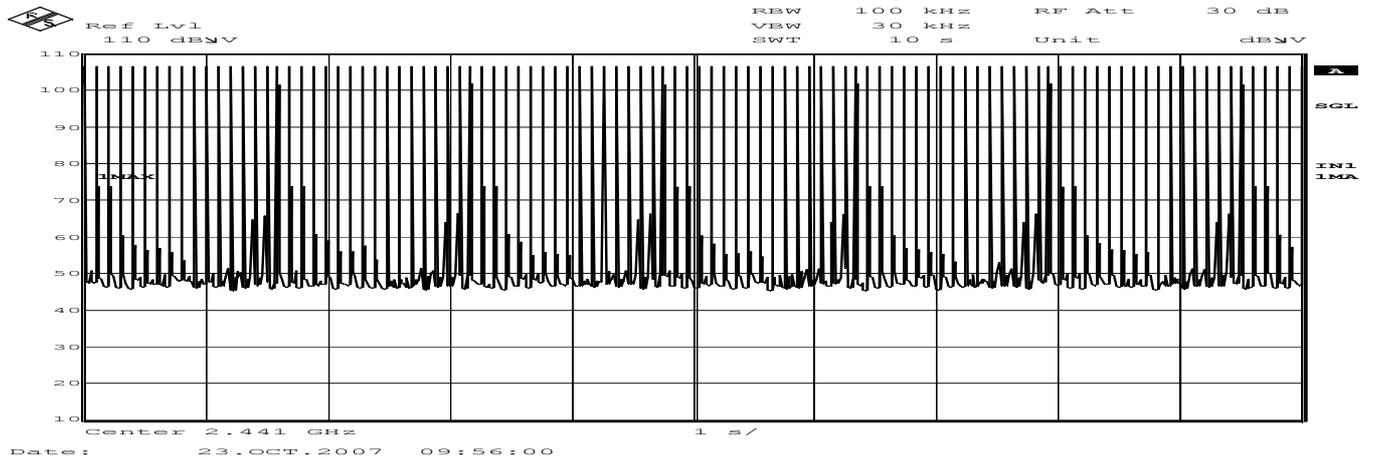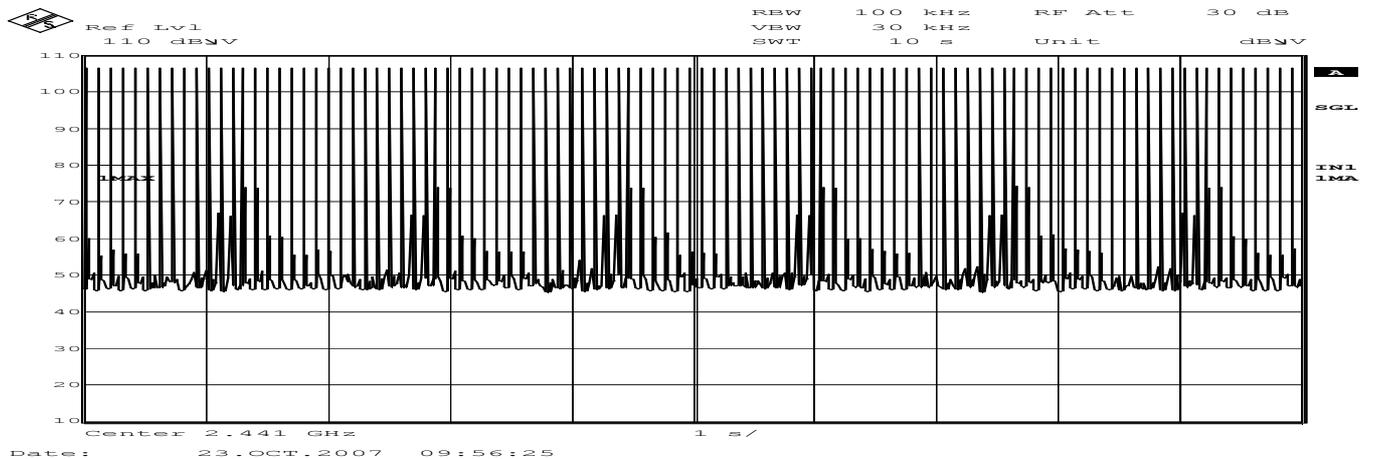
Date: 23.OCT.2007   09:55:17

Count 2

Date: 23.OCT.2007   09:56:00

Count 3

Date: 23.OCT.2007   09:56:25

27

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(a)(1)(ⅲ)
MODEL NUMBER:	DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka

Count 4

Center 2.441 GHz   1 s/

Date: 23.OCT.2007   09:56:51

Count 5
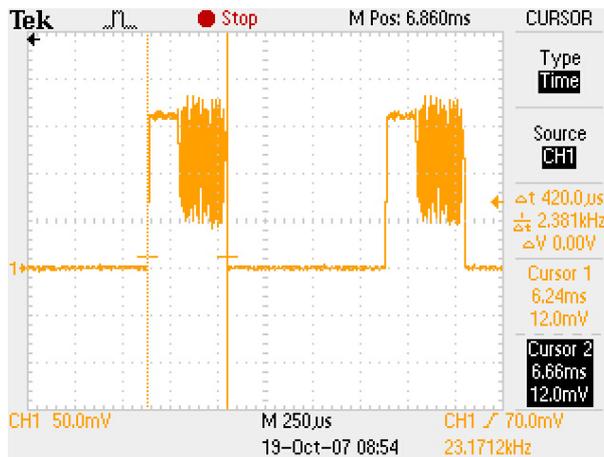

Center 2.441 GHz   1 s/

Date: 23.OCT.2007   09:57:15
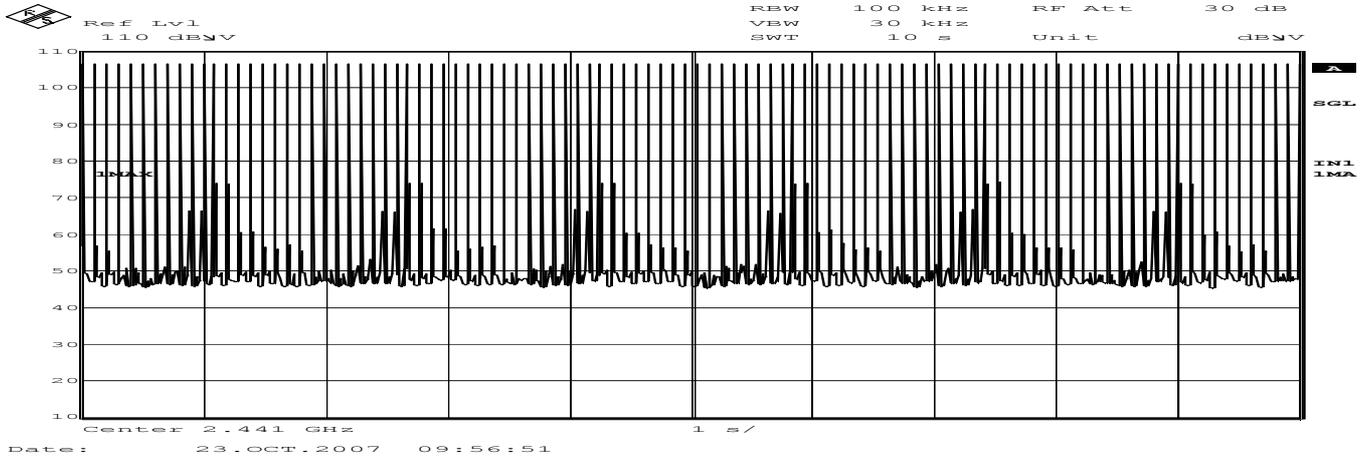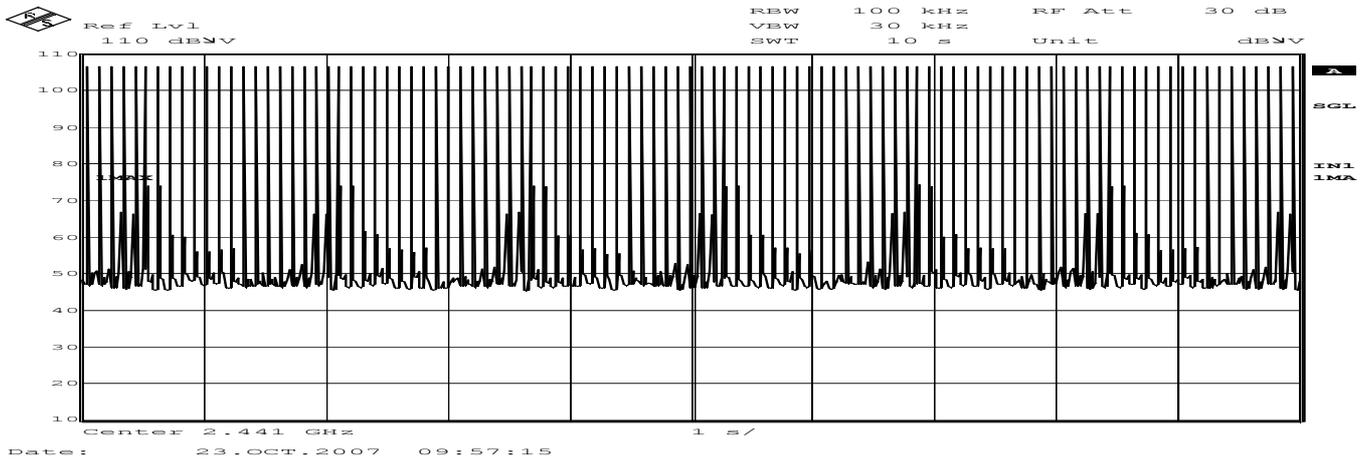
Duty cycle(Hopping 3DH1)

Average times of rising in 30 sec. of sweep = (101 + 101 + 101 + 101 + 101) / 5 = 101.0

Average times of rising in 1 sec. = 101.0 / 10s = 10.1

Average times of rising in 0.4x = 0.4 * 79ch * 10.1 = 319.16

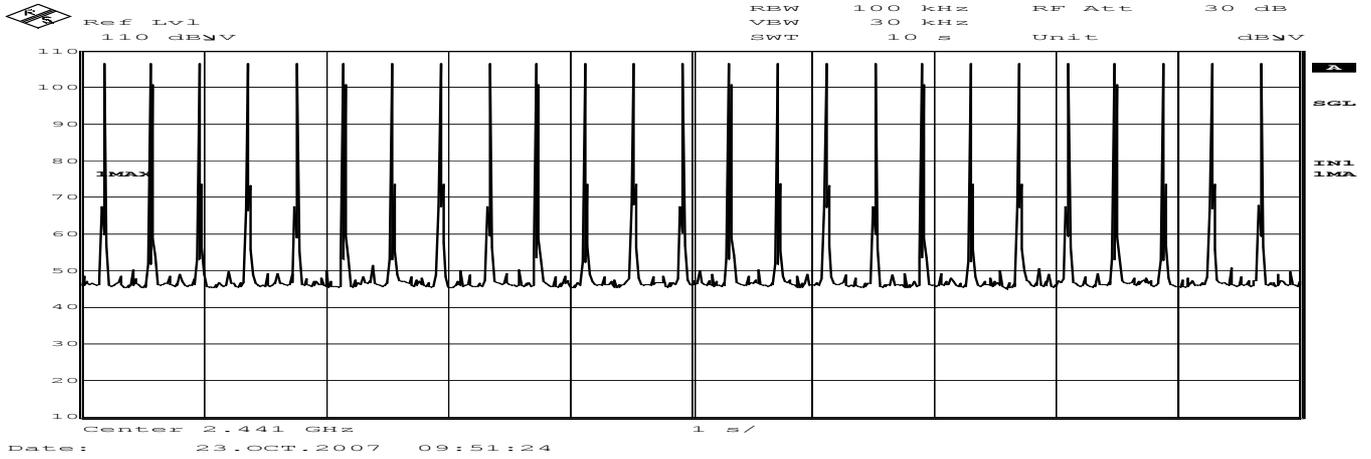Dwell time = 319.16 * 0.420 = 134.05 [ms]

Limit : Dwell Time < 0.4[s]

28

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

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (3DH3):

Count 1
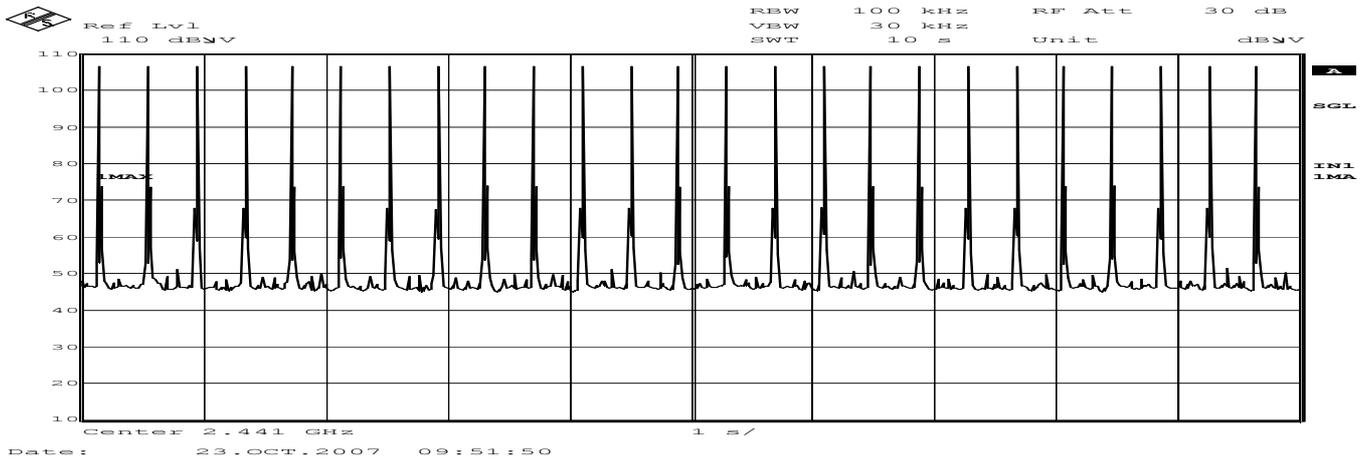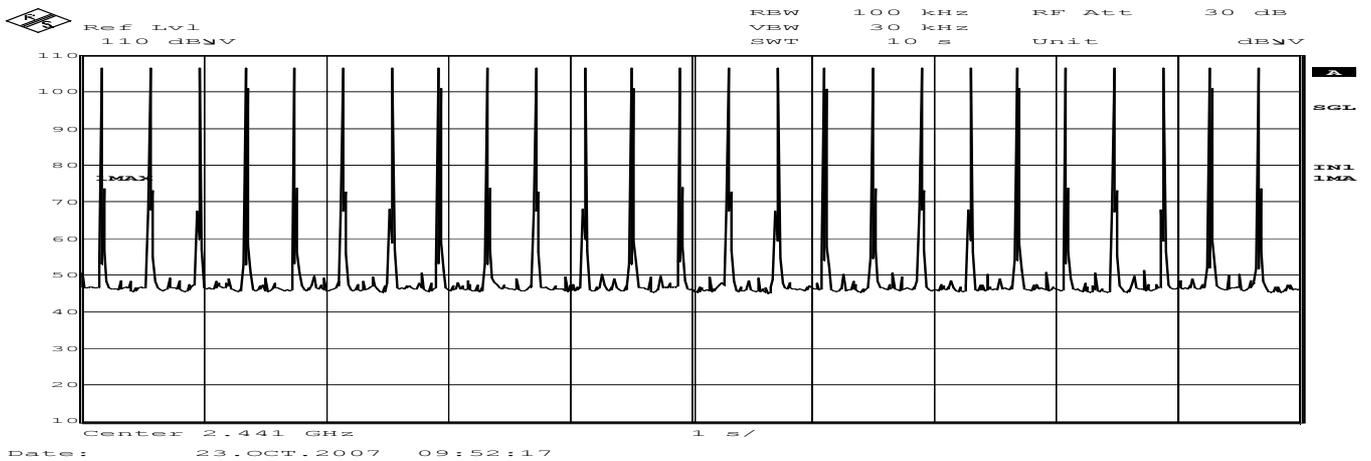
Date: 23.OCT.2007   09:51:24

Count 2

Date: 23.OCT.2007   09:51:50

Count 3

Date: 23.OCT.2007   09:52:17

29

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka
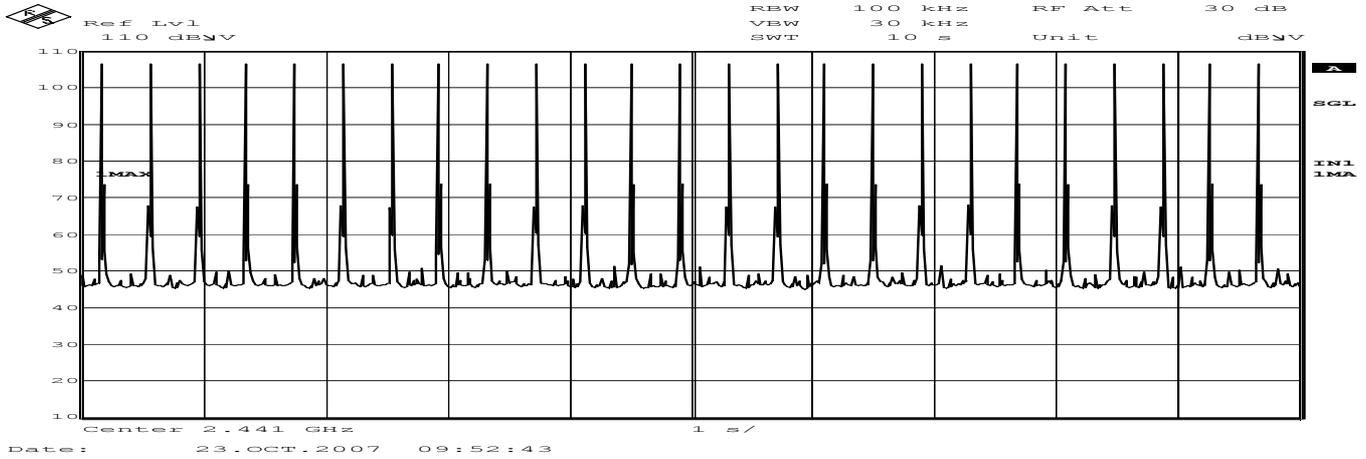
Count 4

Count 5
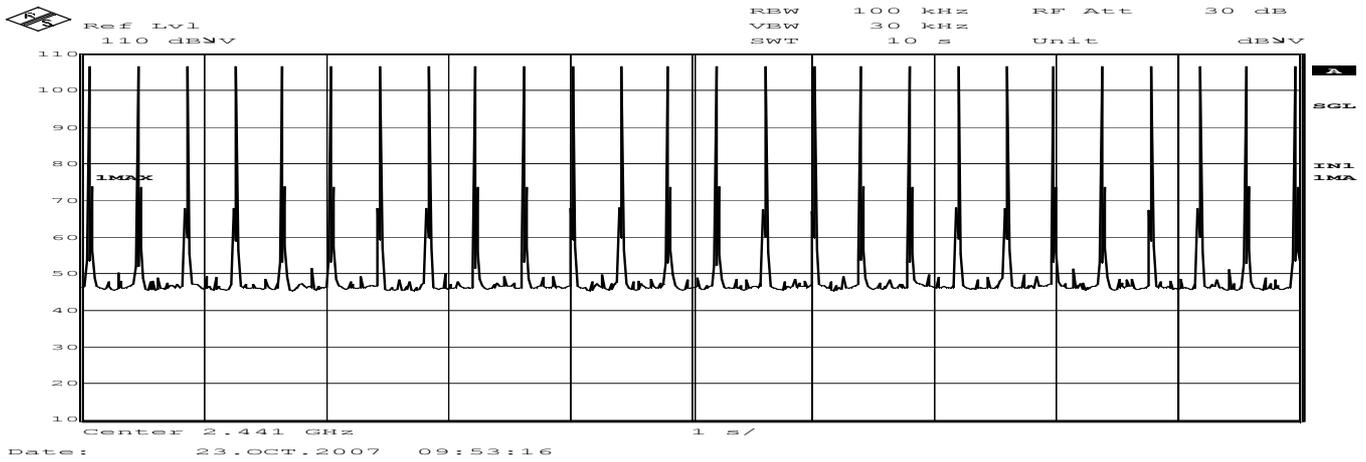
Duty cycle(Hopping 3DH3)

Average times of rising in 30 sec. of sweep = (25 + 25 + 25 + 25 + 26) / 5 = 25.2

Average times of rising in 1 sec. = 25.2 / 10s = 2.52

Average times of rising in 0.4x = 0.4 * 79ch * 2.52 = 79.63

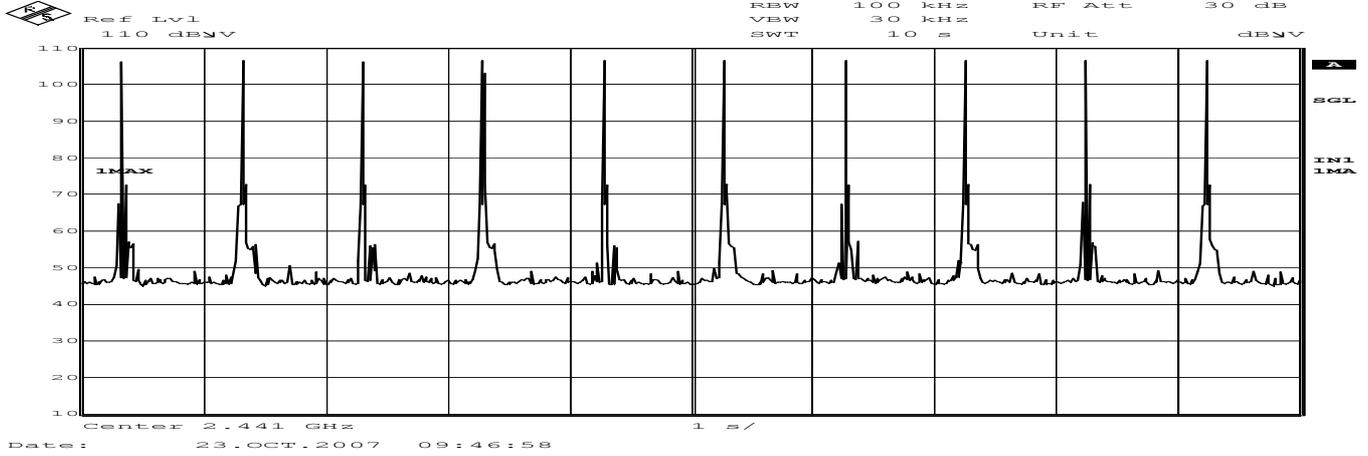Dwell time = 79.63 * 1.68 = 133.78 [ms]

Limit : Dwell Time < 0.4[s]

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

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Hopping (3DH5):

Count 1

Count 2
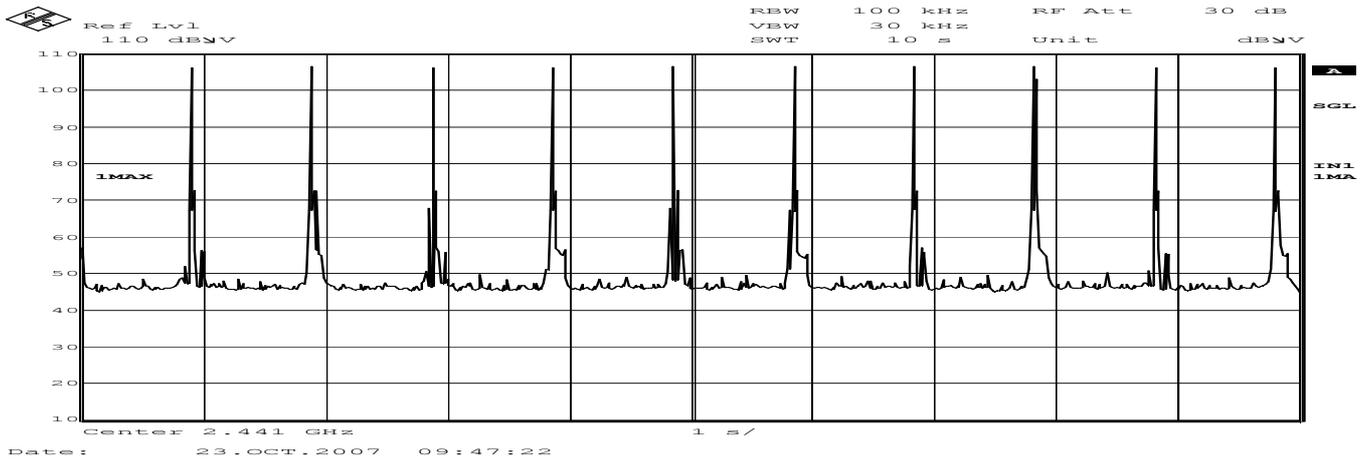
Count 3
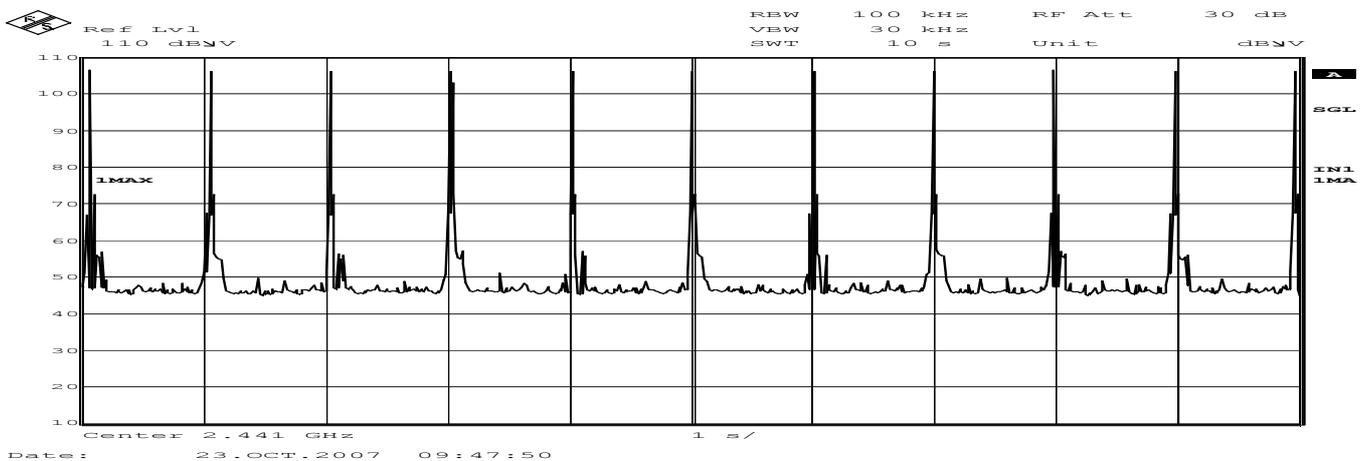
31

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	DATE	: 2007.10.23
SERIAL NUMBER	: 108	TEMP./HUMI	: 24deg.C./43%
FCC ID	: AK8DRCBT15	TEST MODE	: Transmitting
POWER	: DC3.7V	ENGINEER	: Makoto Hosaka

Count 4

Center 2.441 GHz   1 s/
Date: 23.OCT.2007   09:48:16

Count 5

Center 2.441 GHz   1 s/
Date: 23.OCT.2007   09:48:42
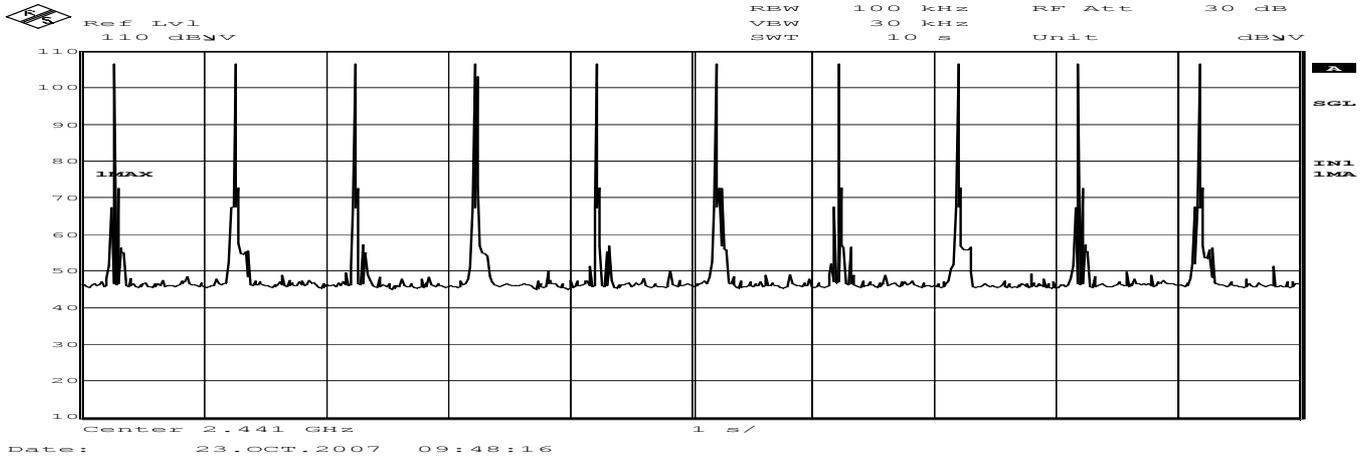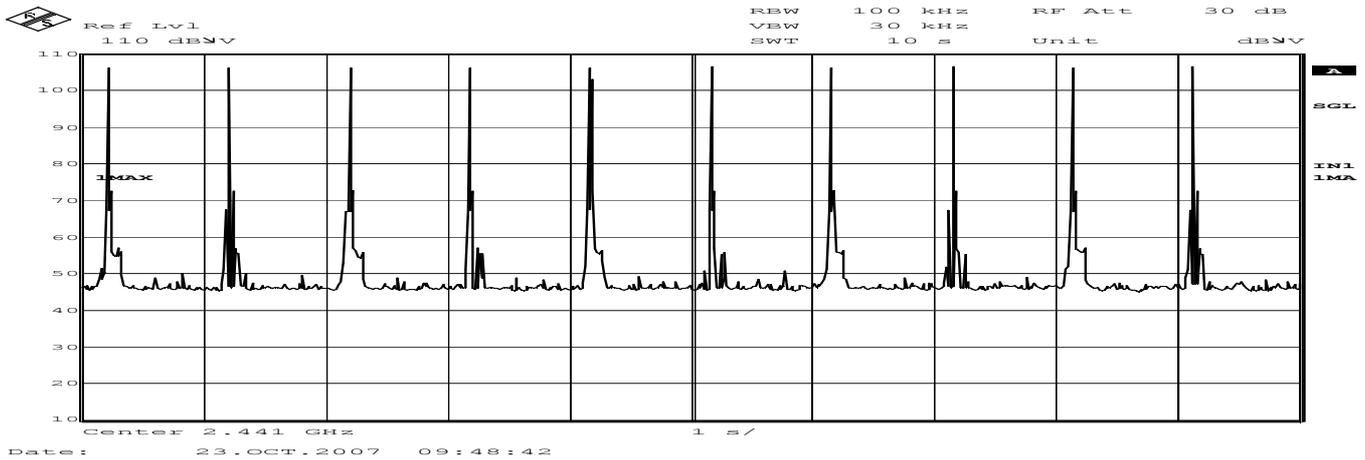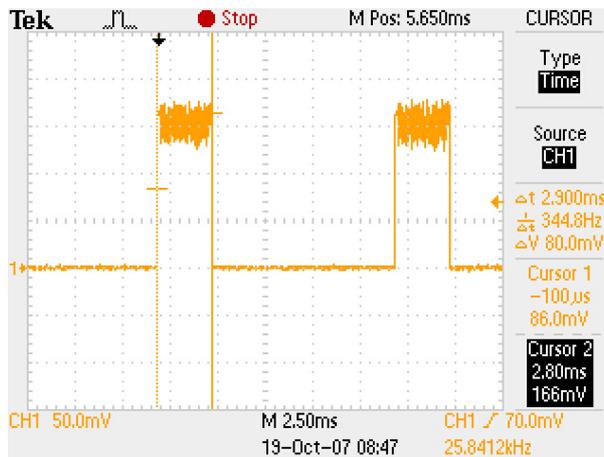
Duty cycle(Hopping 3DH5)

Average times of rising in 30 sec. of sweep = (10 + 10 + 11 + 10 + 10) / 5 = 10.2
Average times of rising in 1 sec. = 10.2 / 10s = 1.02
Average times of rising in 0.4x = 0.4 * 79ch * 1.02 = 32.23
Dwell time = 32.23 * 2.90 = 93.47 [ms]
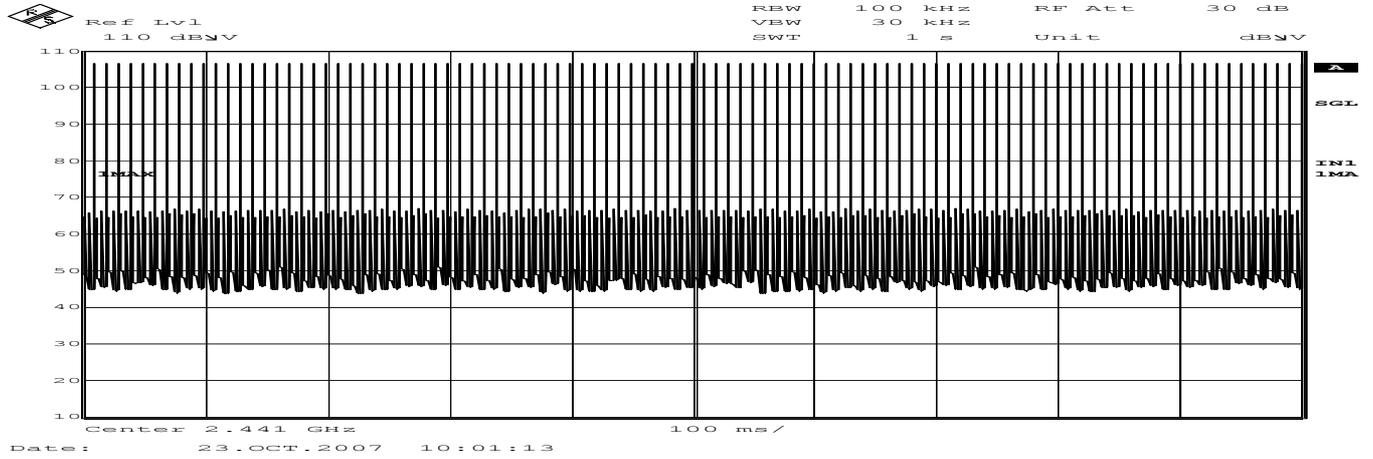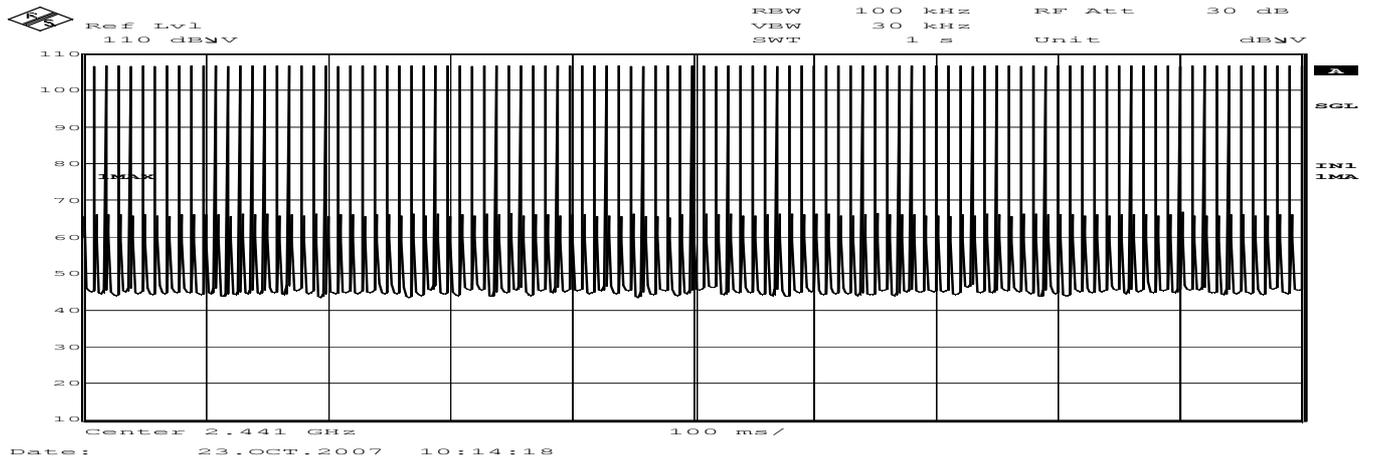Limit : Dwell Time < 0.4[s]

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

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(a)(1)(ⅲ)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka

Inquiry:

Count 1

Count 2

Count 3
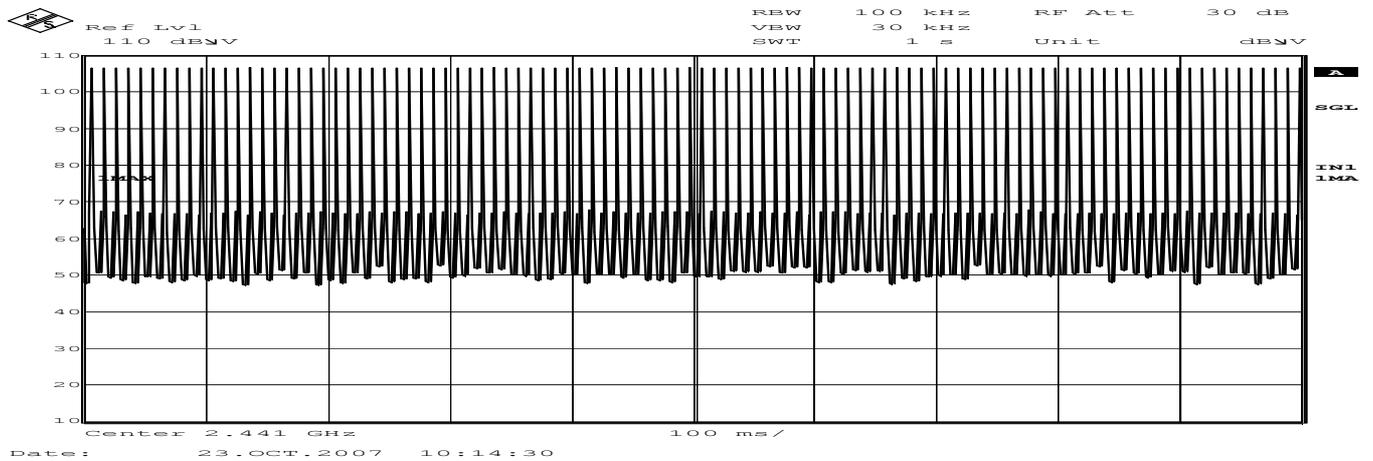
33

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

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(a)(1)(iii)
MODEL NUMBER	: DRC-BT15	**DATE**	: 2007.10.23
SERIAL NUMBER	: 108	**TEMP./HUMI**	: 24deg.C./43%
FCC ID	: AK8DRCBT15	**TEST MODE**	: Transmitting
POWER	: DC3.7V	**ENGINEER**	: Makoto Hosaka
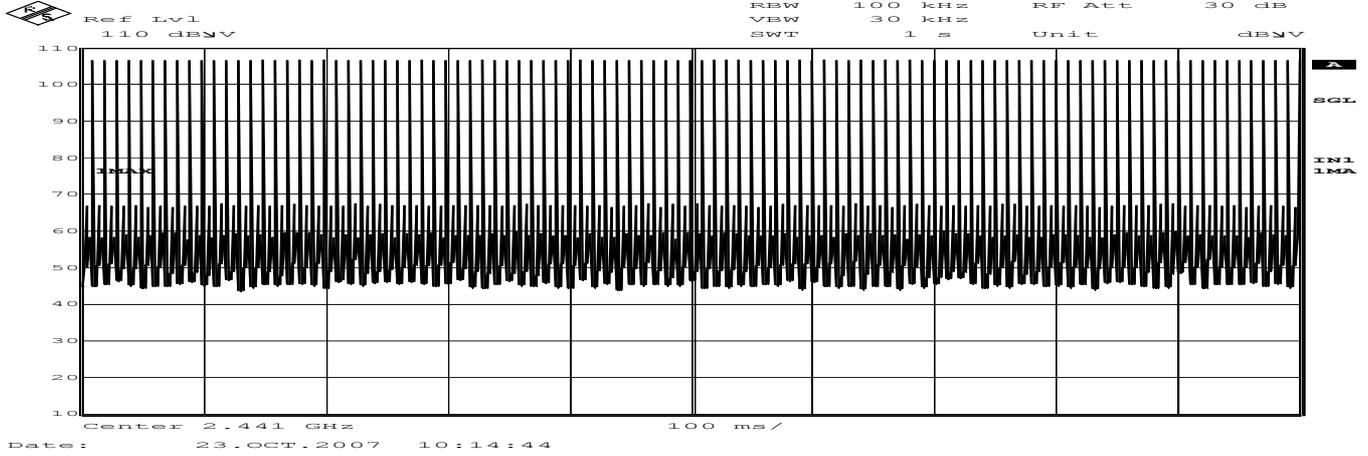
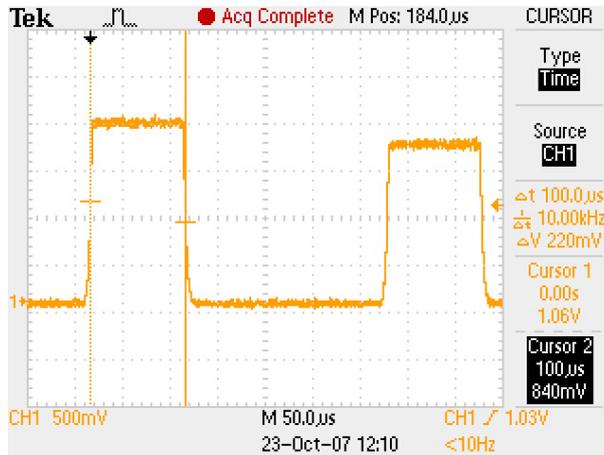**Count 4**

Count 5
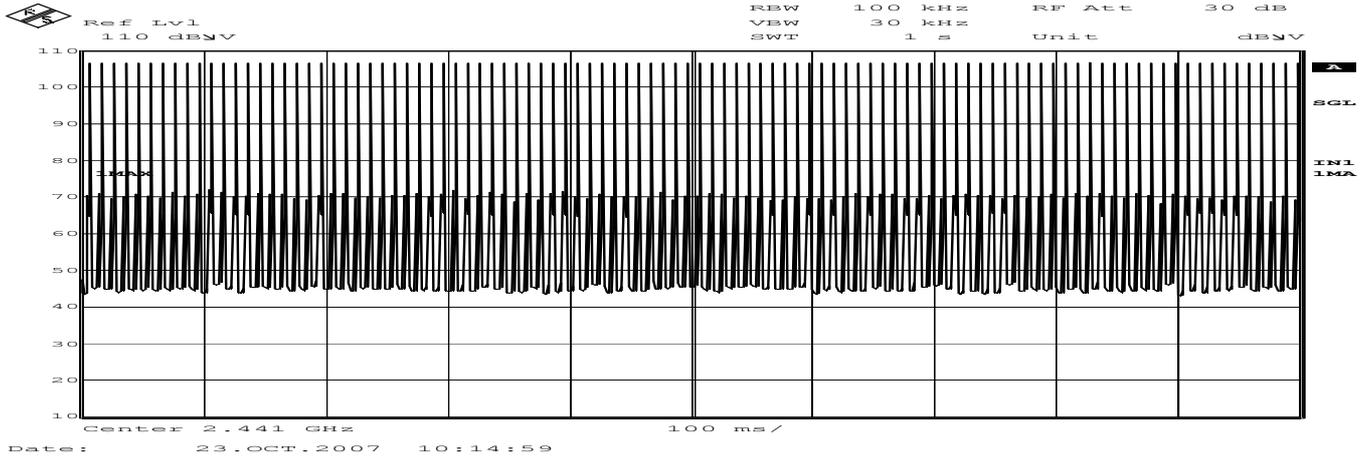
Duty cycle(Inquiry)

Average times of rising in 30 sec. of sweep = (100 + 100 + 100 + 100 + 100) / 5 = 100.0

Average times of rising in 1 sec. = 100.0 / 1s = 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]