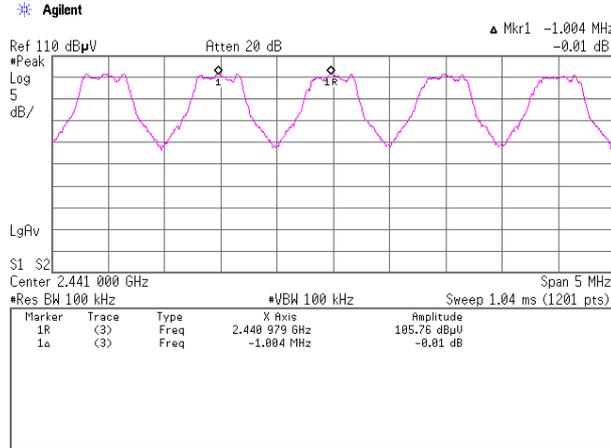


Channel Separation (Regulation: FCC 15.247(a)(1))

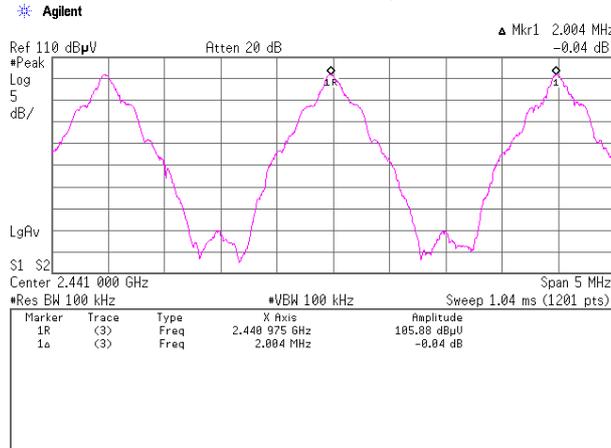
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/08/05
 Temp: 24 deg. C.
 Humid: 53 %
 Engineer: Akira Sato
 Test mode: Transmitting

Limit: $\geq 25\text{kHz}$ or $2/3 * 20\text{dB Bandwidth}$ (Power: No greater than 125mW)

1. Hopping, DH5: 1.004MHz ($2/3 * 20\text{dB Bandwidth}$: $2/3 * 942.5\text{kHz} = 628.3\text{kHz}$)



2. Inquiry: 2.004MHz ($2/3 * 20\text{dB Bandwidth}$: $2/3 * 820.0\text{kHz} = 546.7\text{kHz}$)



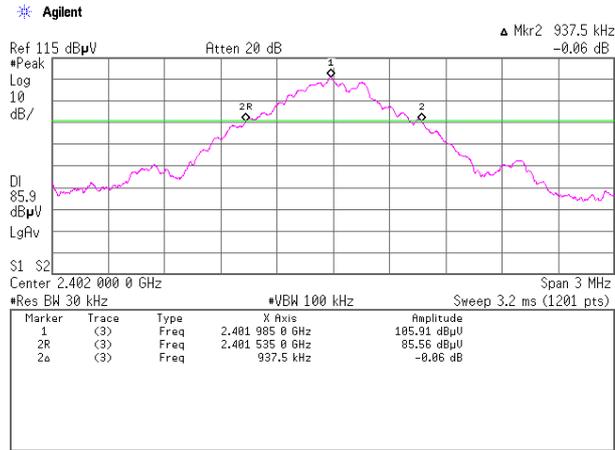
20dB Bandwidth (Regulation: FCC 15.247(a)(1))

UL Japan, Inc. Yamakita EMC lab.
 Date:
 Temp./Humid.:
 Engineer:
 Test mode:

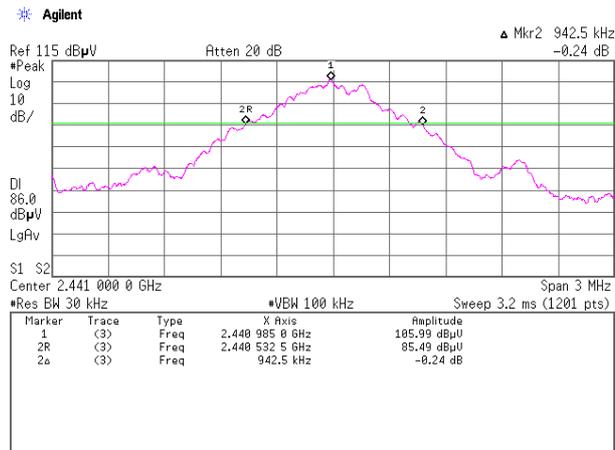
No.4 shielded room
 2009/08/05
 24 deg. C. / 53 %
 Akira Sato
 Transmitting

[Hopping off, DHS]

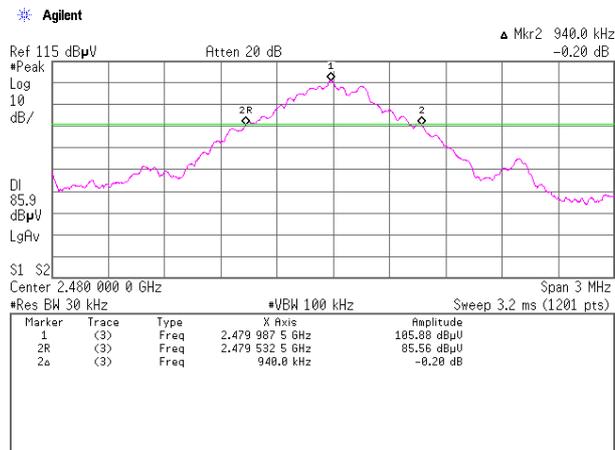
1. ch : 2402MHz/20dB Bandwidth: 937.5kHz



2. ch : 2441MHz/20dB Bandwidth: 942.5kHz

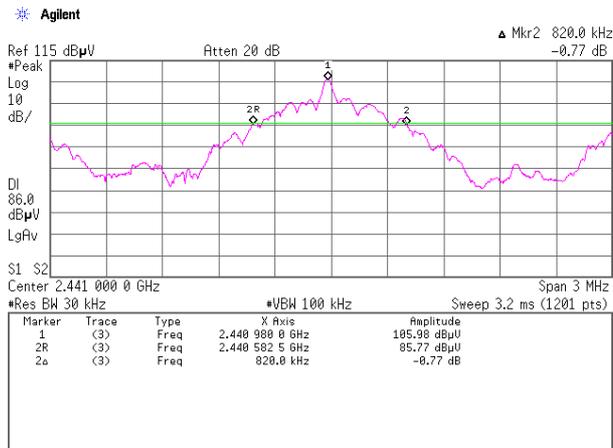


3. ch : 2480MHz/20dB Bandwidth: 940.0kHz



[Inquiry]

7. Inquiry/20dB Bandwidth: 820.0kHz

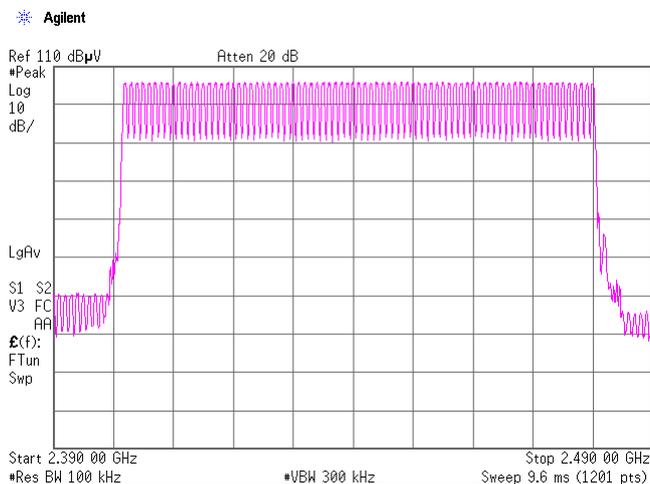


Channel Utilization (Regulation: FCC 15.247(a)(1)(iii))

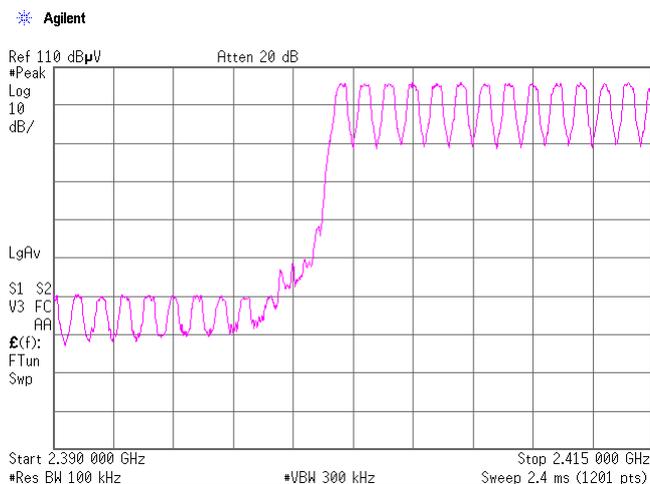
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/08/05
 Temp./Humid.: 24 deg. C. / 53 %
 Engineer: Akira Sato
 Test mode: Transmitting

Hopping, DH5: 79ch

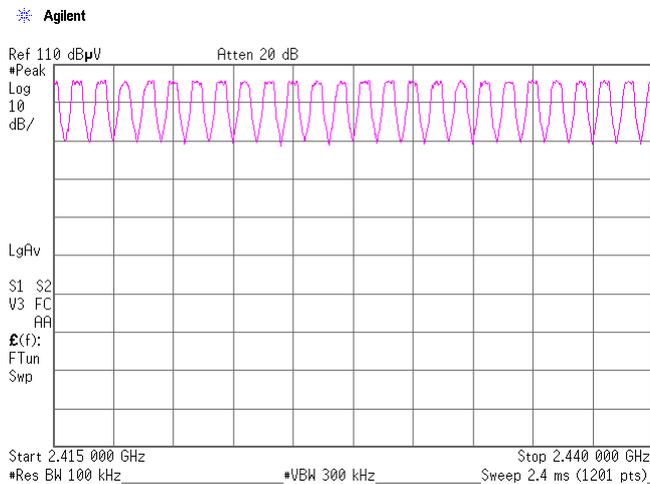
1.



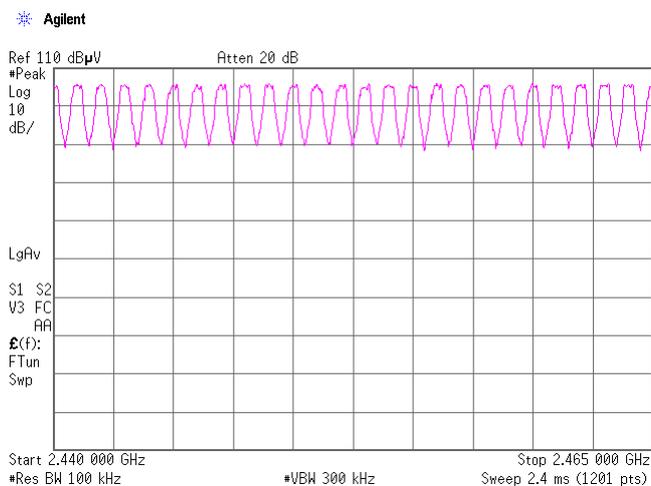
2.



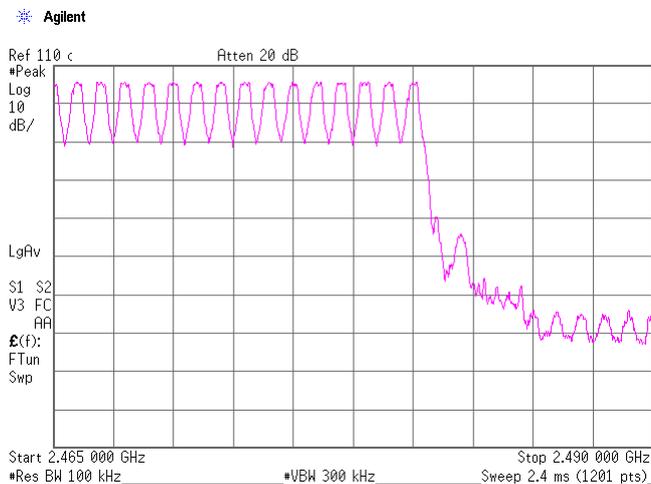
3.



4.

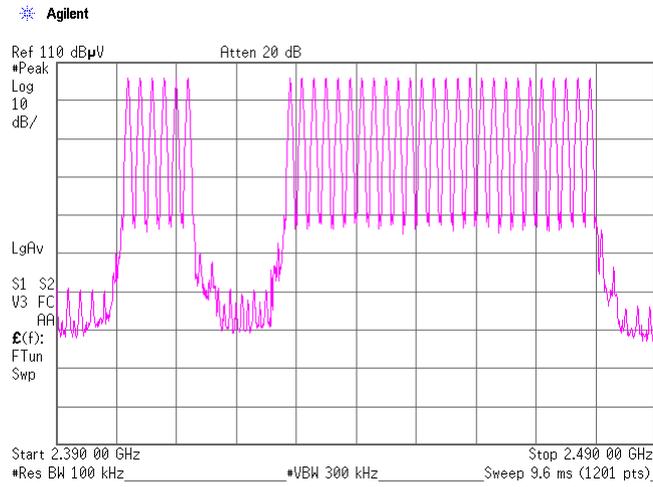


5.



UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/08/05
Temp./Humid.: 24 deg. C. / 53 %
Engineer: Akira Sato
Test mode: Transmitting (Inquiry)

1. Inquiry: 32ch



Company: Sony EMCS Corporation
Kind of Equipment: Bluetooth Audio System
Serial No.: EV09074

Report No.:
Model No.:
Power:

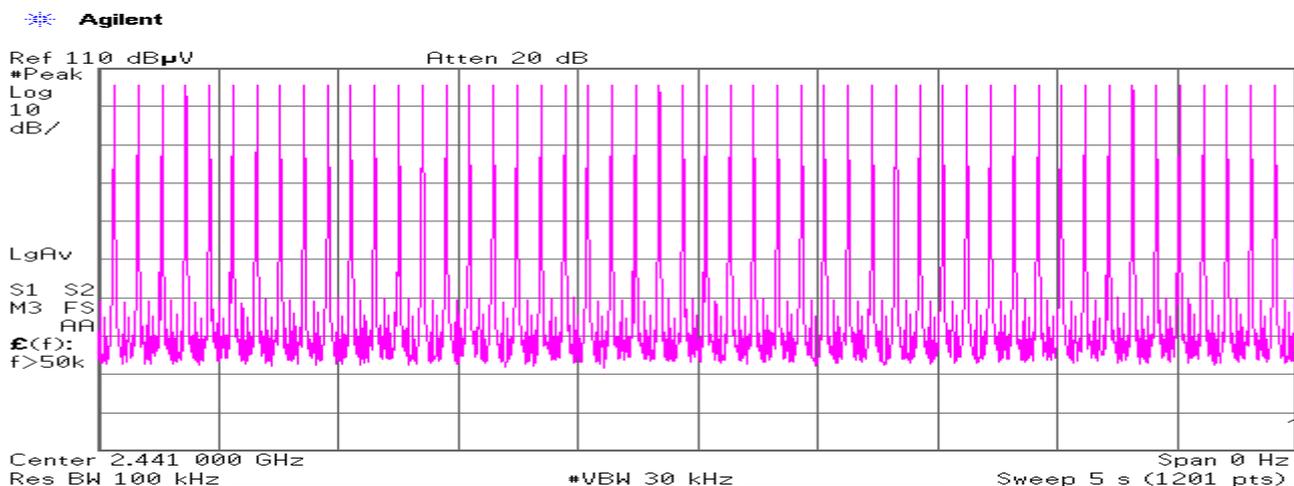
29KE0231-YK-01-A
MEX-BT3800U
DC 12.0V

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

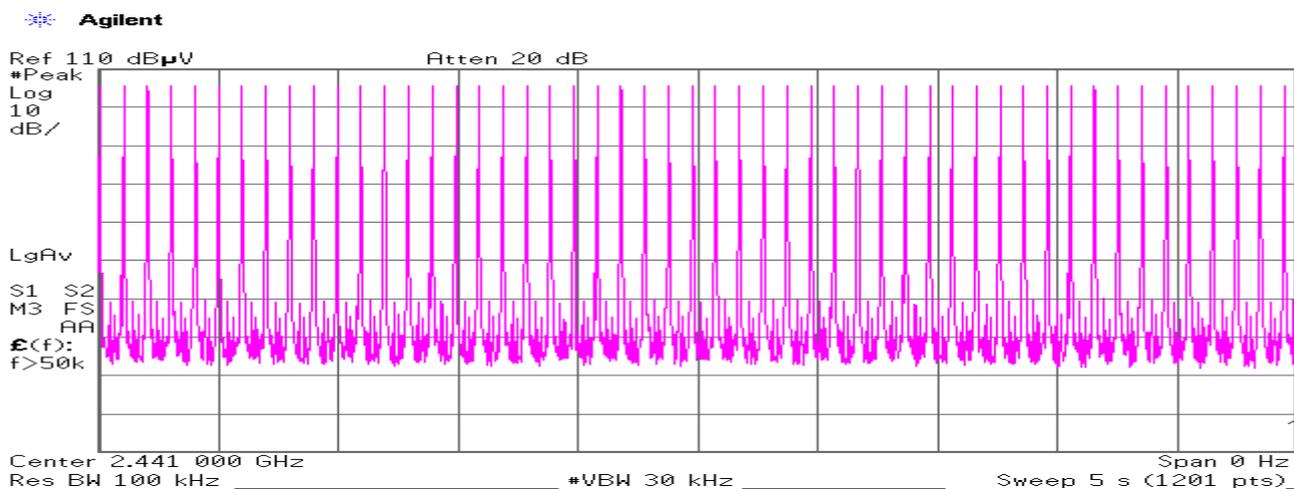
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/08/05
Temp/Humid.: 24 deg. C./ 53 %
Engineer: Akira Sato
Test mode: Transmitting

Hopping (DH1):

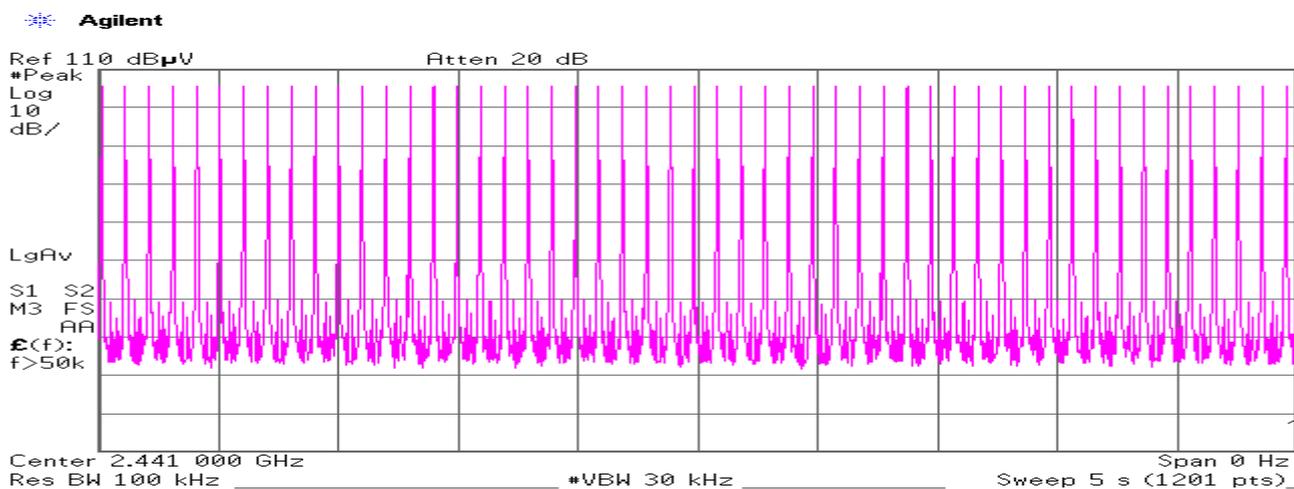
Count 1



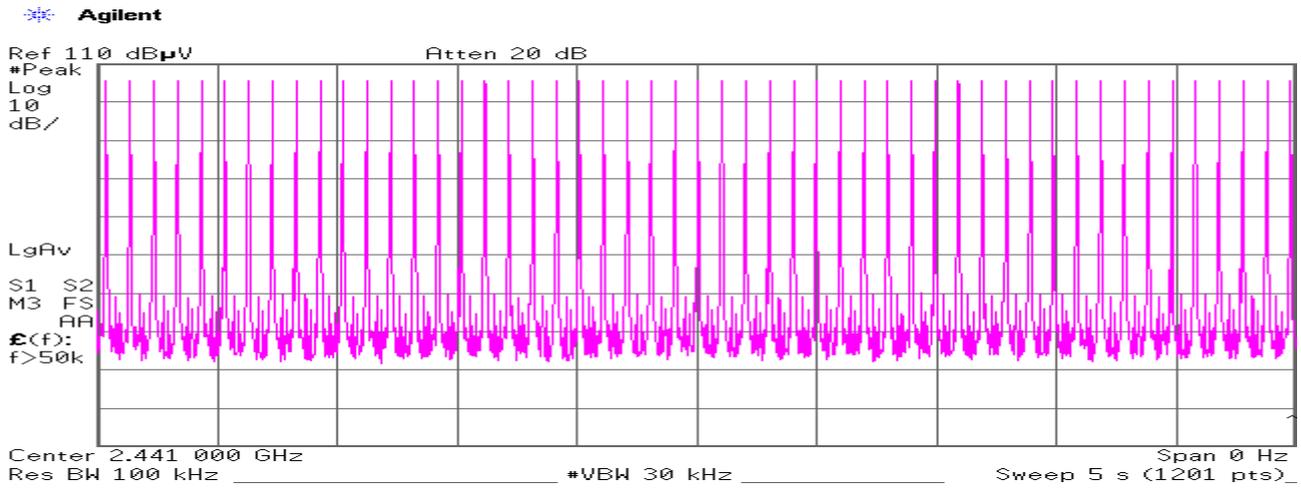
Count 2



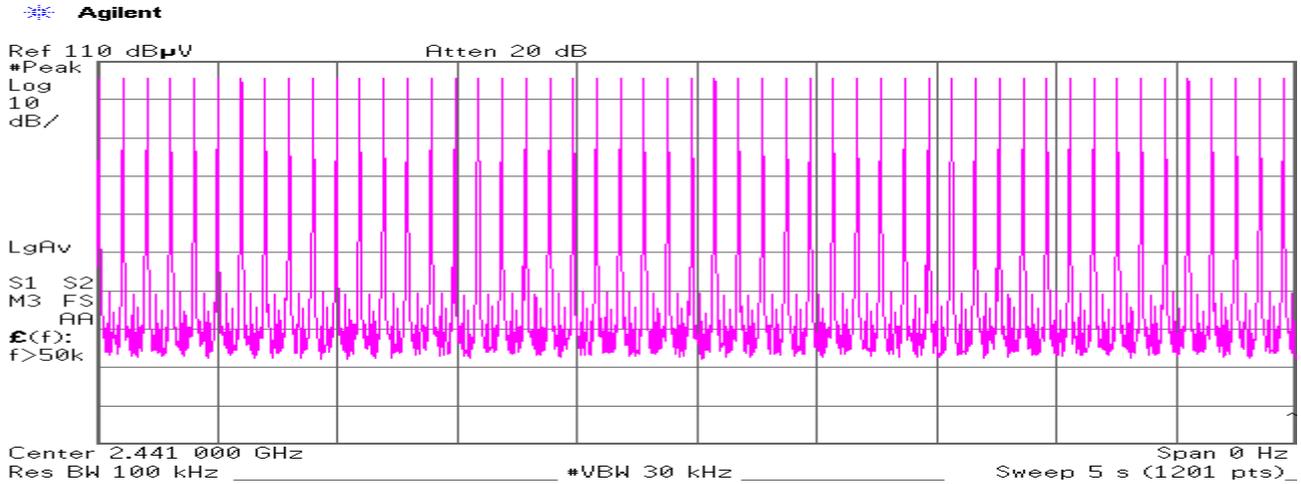
Count 3



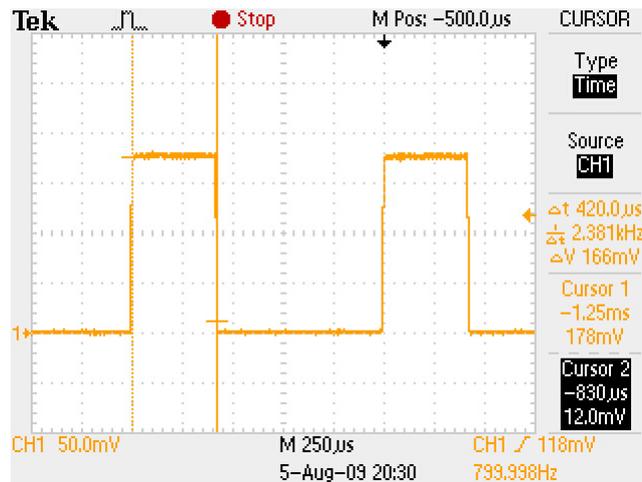
Count 4



Count 5



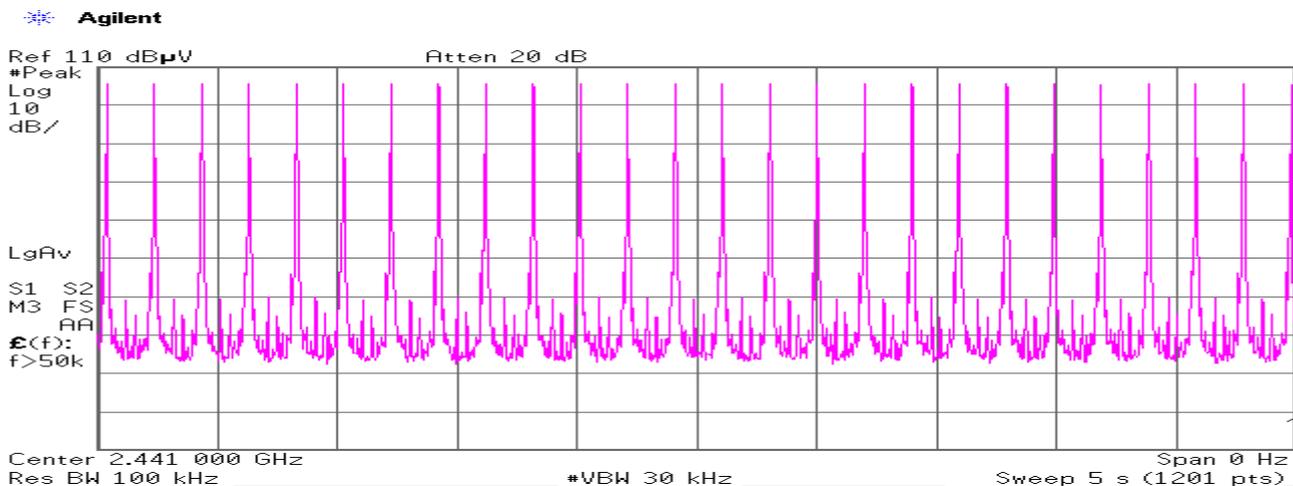
Duty cycle(Hopping DH1)



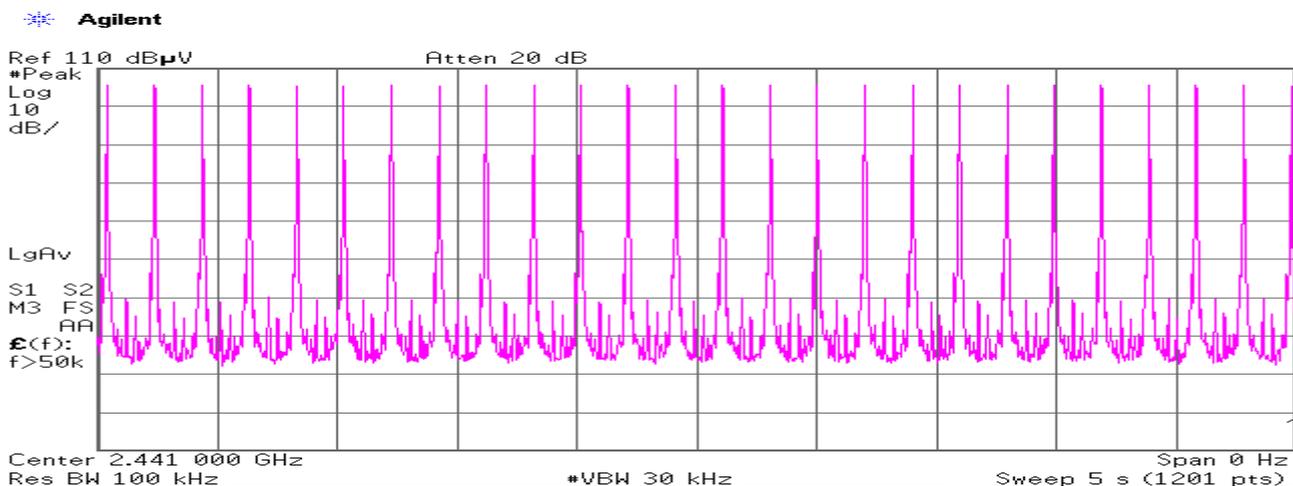
Average times of rising in 5 sec. of sweep = (50+ 51 + 51 + 51 + 51) / 5 = 50.8
 Average times of rising in 1 sec. = 50.8 / 5s = 10.16
 Average times of rising in 0.4x = 0.4 * 79ch * 10.16 = 321.06
 Dwell time = 321.06* 0.42 = 134.85 [ms]
 Limit : Dwell Time < 0.4[s]

Hopping (DH3):

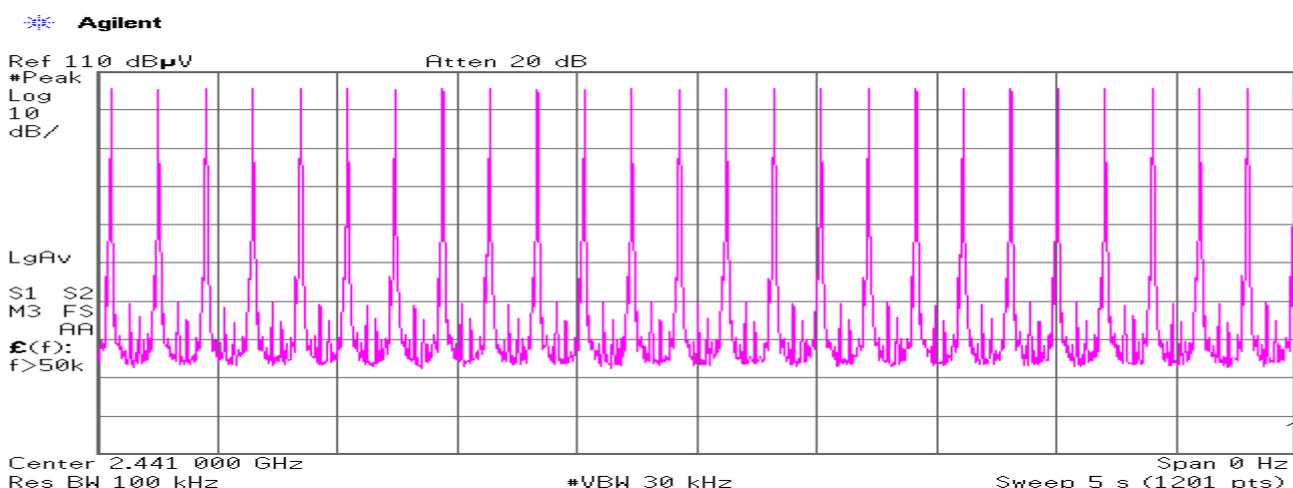
Count 1



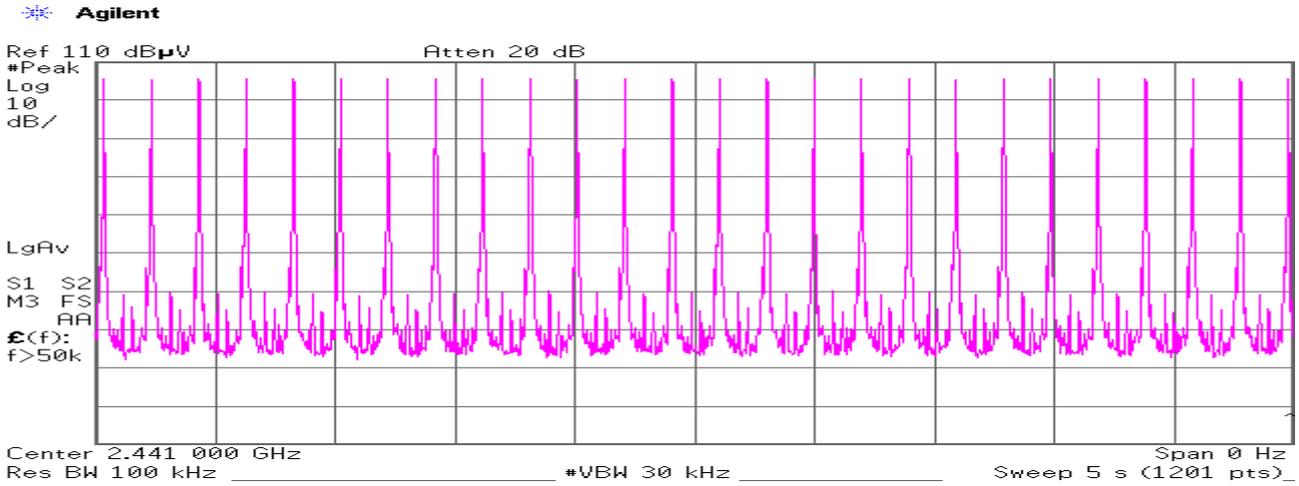
Count 2



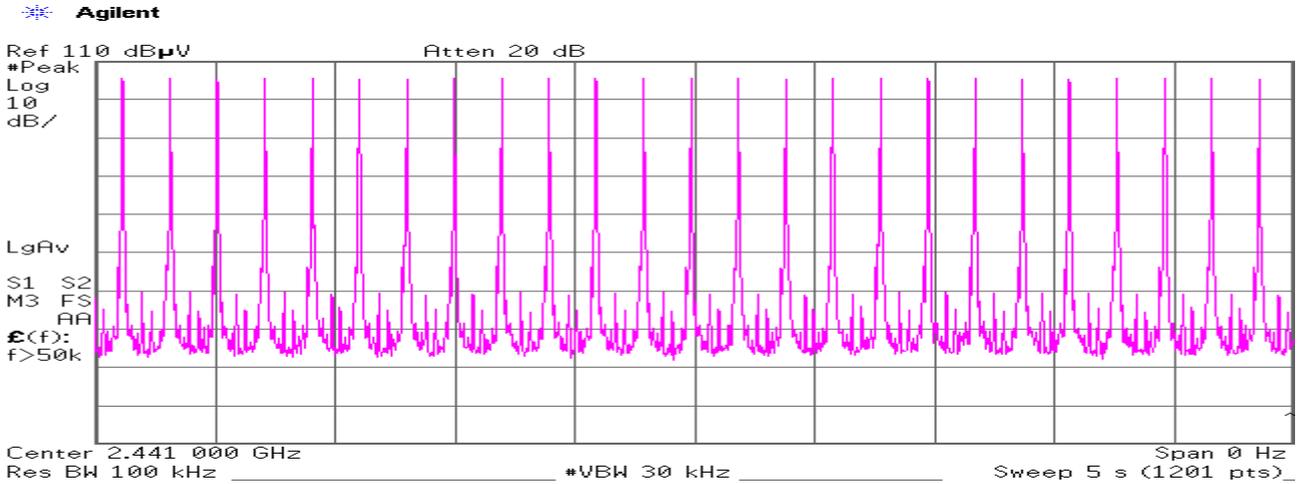
Count 3



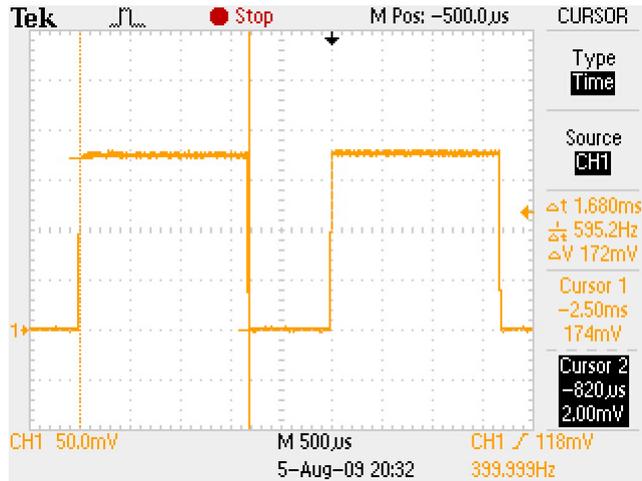
Count 4



Count 5



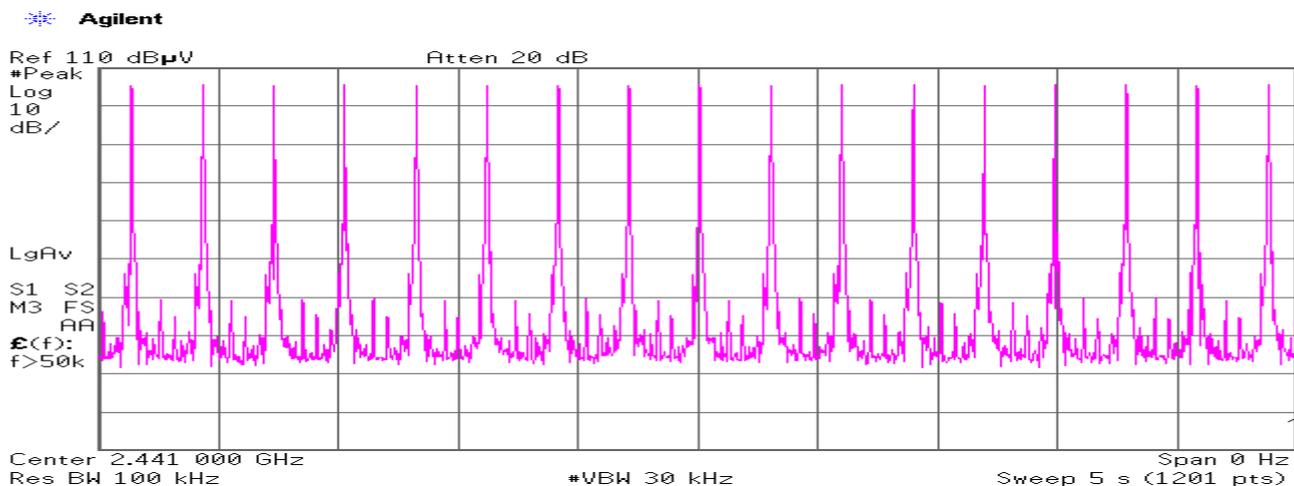
Duty cycle(Hopping DH3)



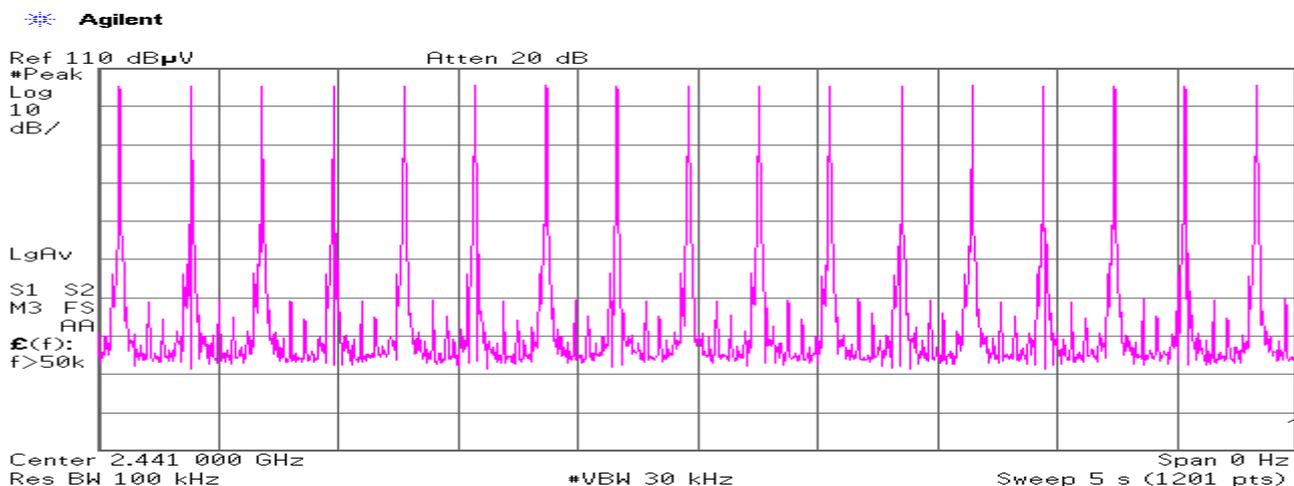
Average times of rising in 5 sec. of sweep = (26 + 26 + 26+ 26 + 25) / 5 = 25.8
 Average times of rising in 1 sec. = 25.8 / 5s = 5.16
 Average times of rising in 0.4x = 0.4 * 79ch * 5.16 = 163.06
 Dwell time = 163.06 * 1.68 = 273.94 [ms]
 Limit : Dwell Time < 0.4[s]

Hopping (DHS):

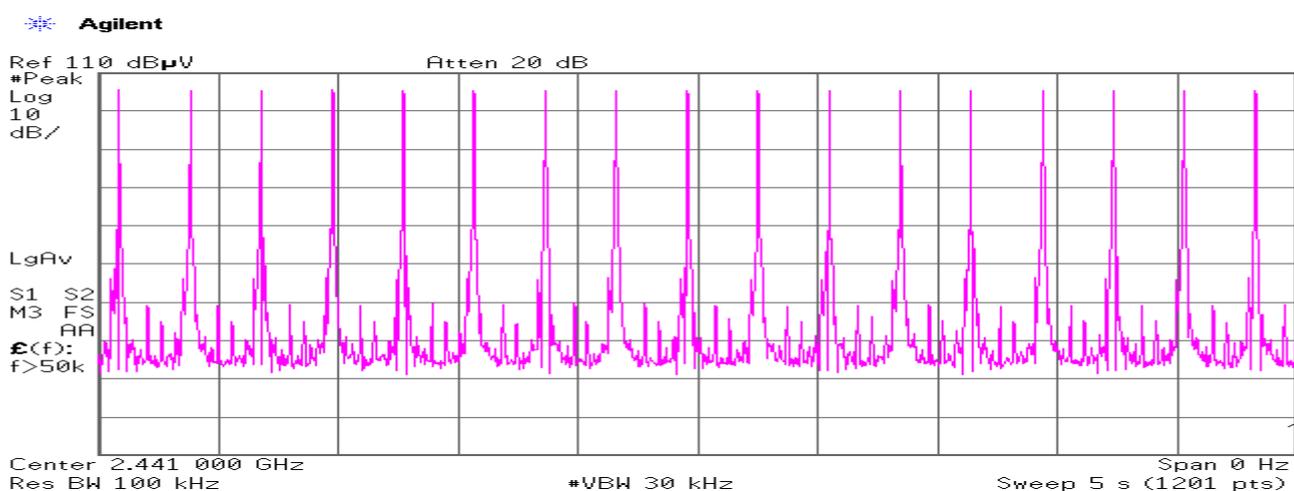
Count 1



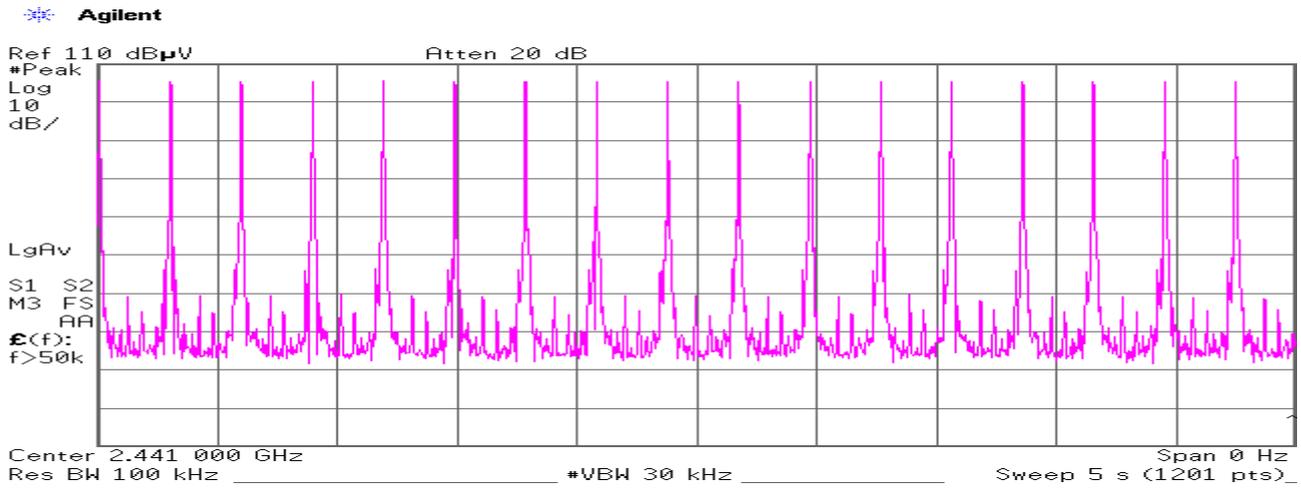
Count 2



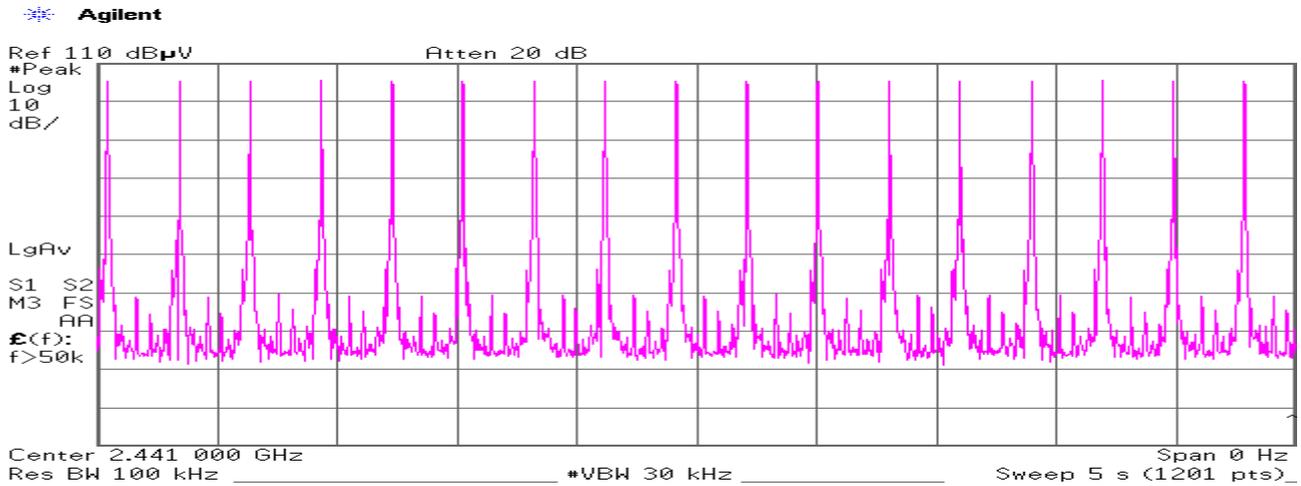
Count 3



Count 4



Count 5



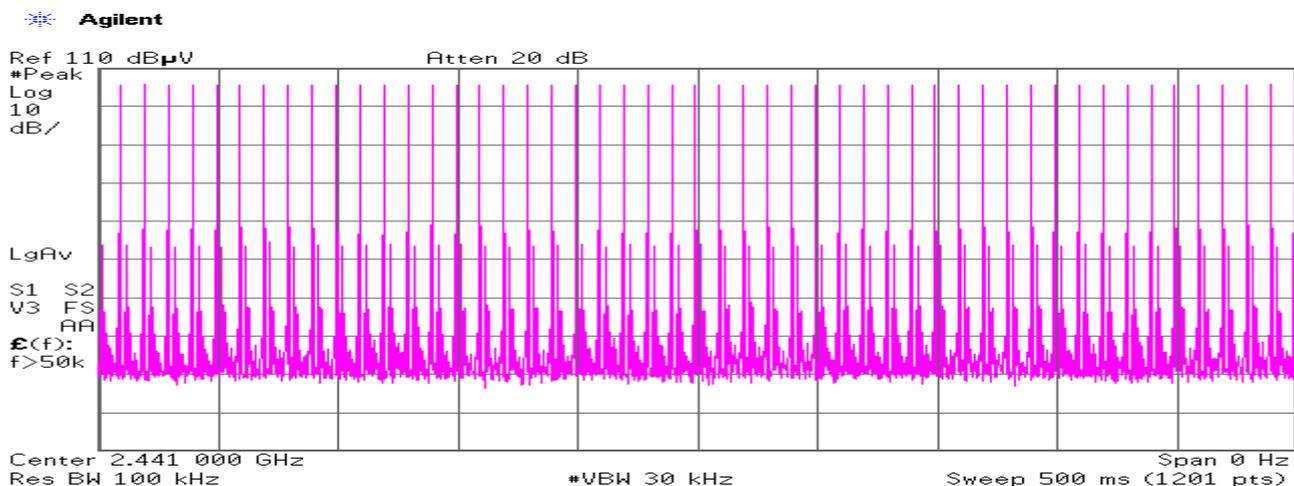
Duty cycle(Hopping DH5)



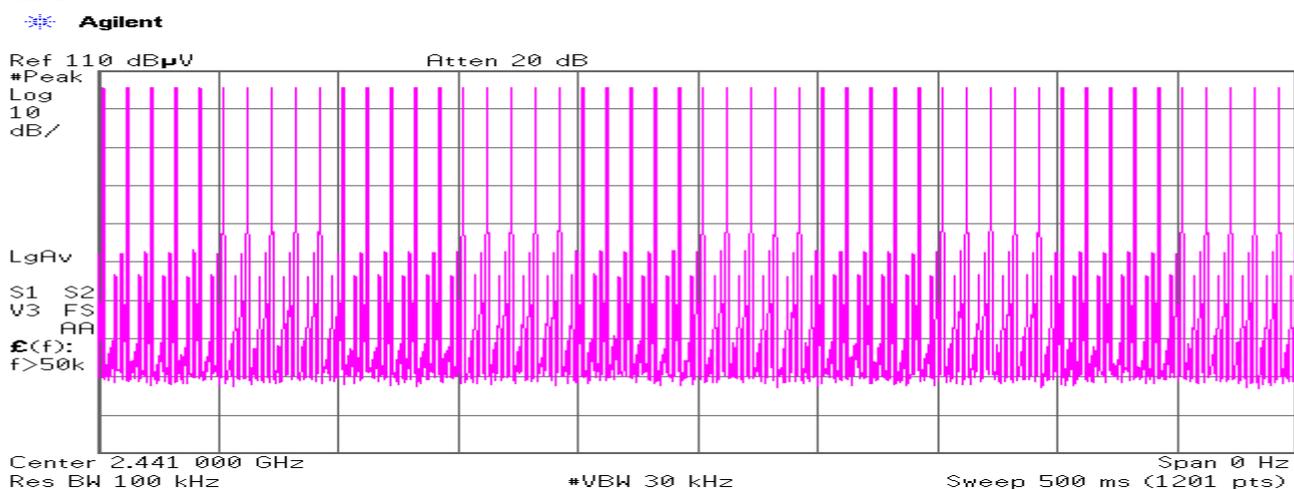
Average times of rising in 5 sec. of sweep = (17 + 17 + 17 + 17 + 17) / 5 = 17.0
 Average times of rising in 1 sec. = 17.0 / 5s = 3.40
 Average times of rising in 0.4x = 0.4 * 79ch * 3.40 = 107.44
 Dwell time = 107.44 * 2.92 = 313.72 [ms]
 Limit : Dwell Time < 0.4[s]

UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/08/05
Temp./Humid.: 24 deg. C. / 53 %
Engineer: Akira Sato
Test mode: Transmitting (Inquiry)

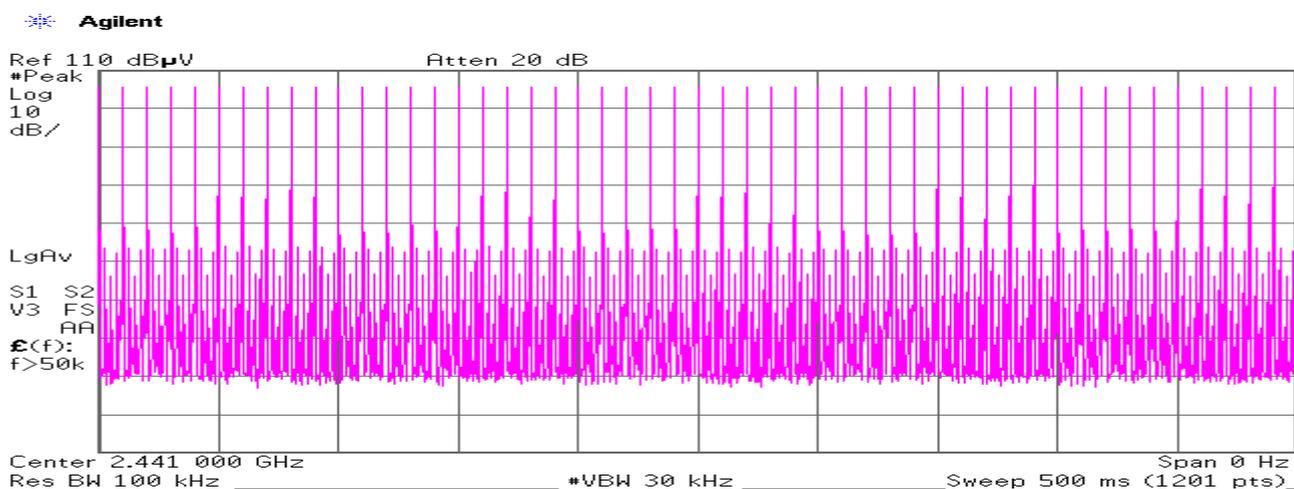
Inquiry:
Count 1



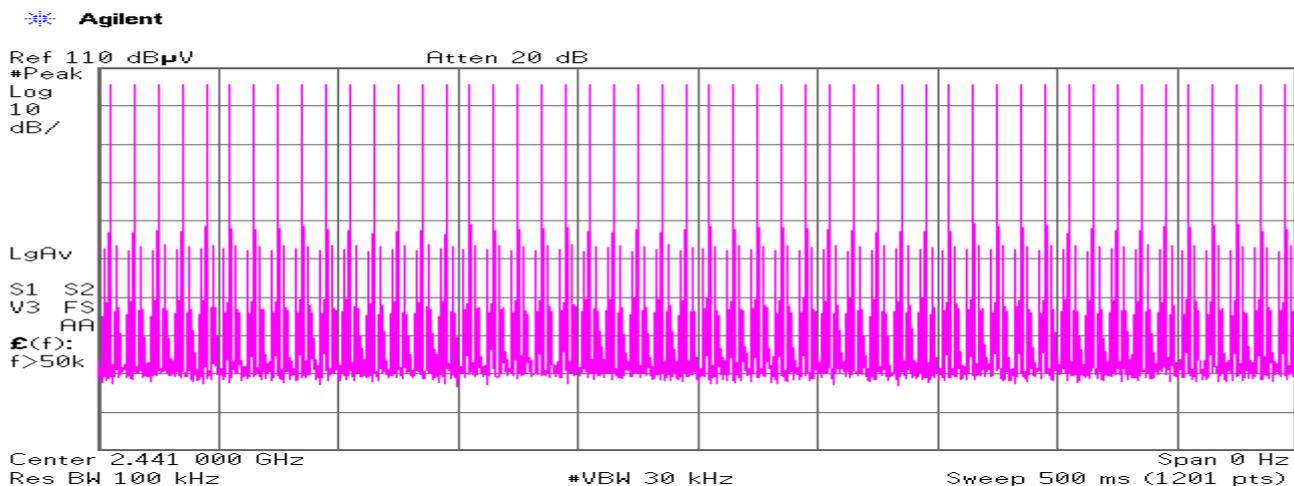
Count 2



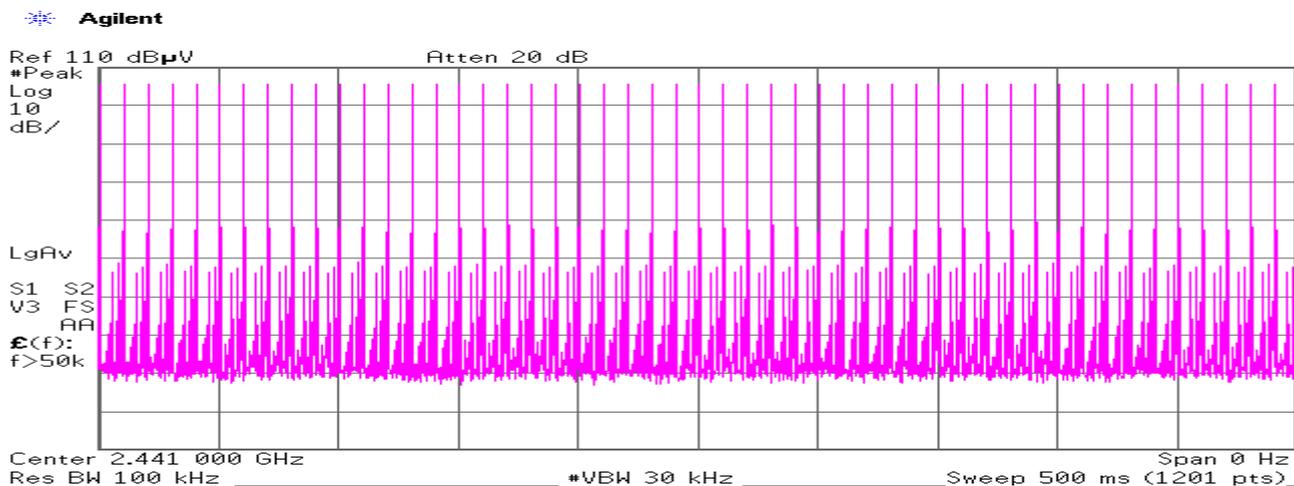
Count 3



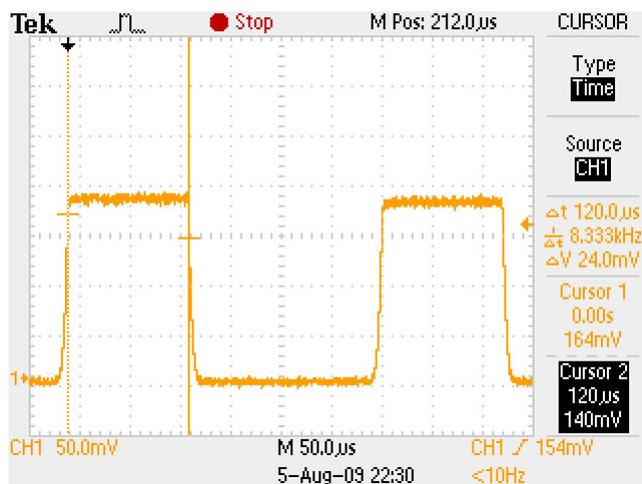
Count 4



Count 5



Duty cycle(Inquiry)



Average times of rising in 0.5 sec. of sweep = $(50 + 50 + 50 + 50 + 50) / 5 = 50.0$
 Average times of rising in 1 sec. = $50.0 / 0.5 = 100.0$
 Average times of rising in 0.4x = $0.4 * 32ch * 100.0 = 1280.0$
 Dwell time = $1280.0 * 0.12 = 153.60 [ms]$
 Limit : Dwell Time < 0.4[s]

Company: Sony EMCS Corporation
Kind of Equipment: Bluetooth Audio System
Serial No.: EV09074

Report No.: 29KE0231-YK-01-A
Model No.: MEX-BT3800U
Power: DC 12.0V

Maximum Peak Conducted Output Power (Regulation: FCC 15.247(b)(1))

UL Japan, Inc Yamakita EMC lab.
No.4 Shielded Room

DATE: 2009/8/5

TEMP./HUMID.: 24deg.C/53%

TEST MODE: Transmitting

ENGINEER: Akira Sato

DH5

| CH | FREQ [GHz] | P/M Reading [dBm] | Cable Loss [dB] | Results [dBm] | Limit (125mW) [dBm] | MARGIN [dB] |
|---------|---------------|-------------------------|--------------------|------------------|---------------------------|----------------|
| Low | 2402.00 | -0.68 | 0.84 | 0.16 | 20.96 | 20.80 |
| Mid | 2441.00 | -0.67 | 0.84 | 0.17 | 20.96 | 20.79 |
| High | 2480.00 | -0.61 | 0.84 | 0.23 | 20.96 | 20.73 |
| Inquiry | - | -0.65 | 0.84 | 0.19 | 20.96 | 20.77 |

Limit: 125mW=20.96dBm

P/M: Power Meter

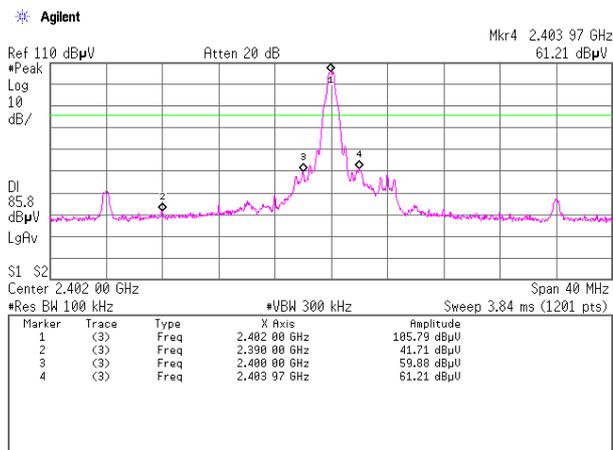
CABLE LOSS:KCC-D22

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

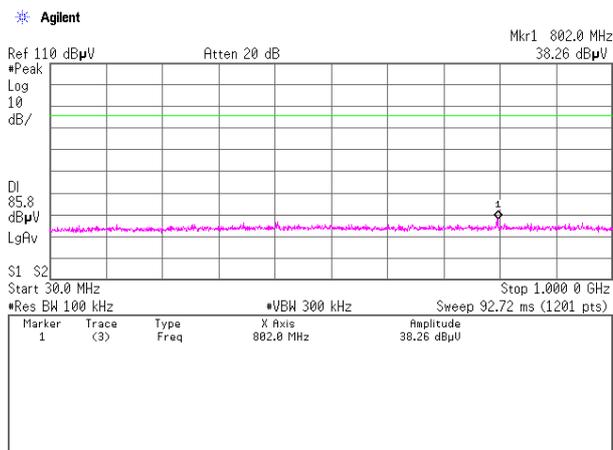
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/08/05
 Temp: 24 deg. C.
 Humid: 53 %
 Engineer: Akira Sato
 Test mode: Transmitting

[Transmitting DHS]
Ch:2402MHz

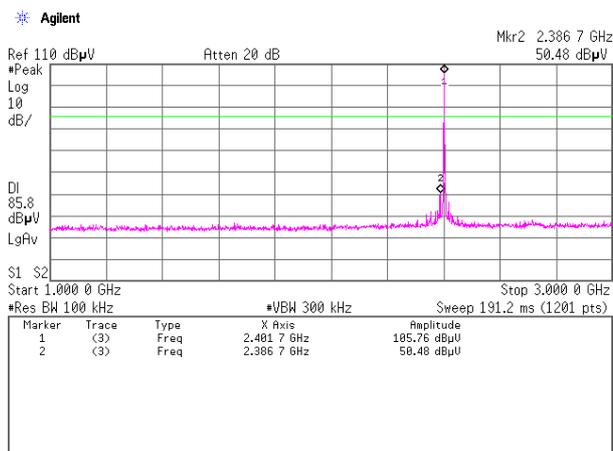
1.



2.

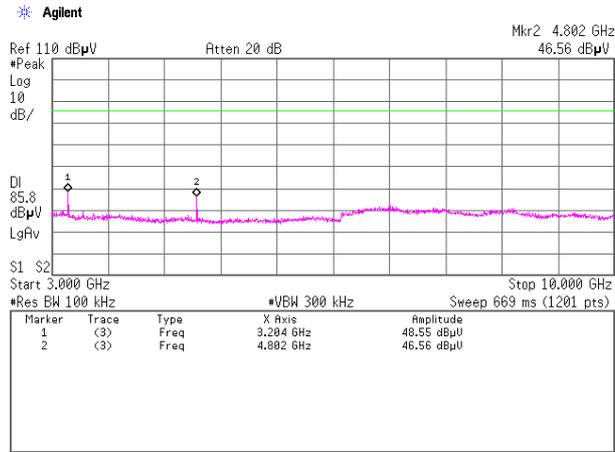


3.

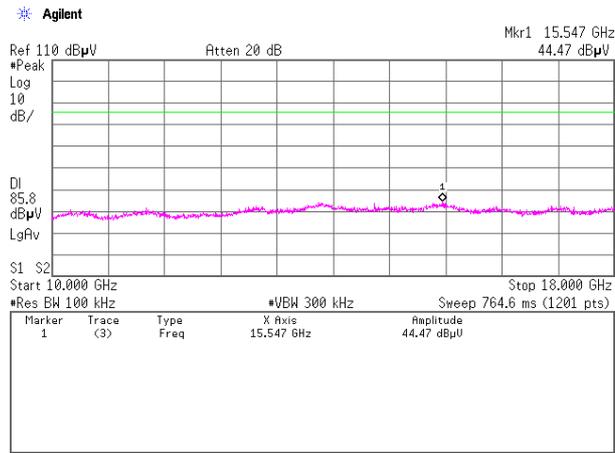


[Transmitting DH5]
Ch:2402MHz

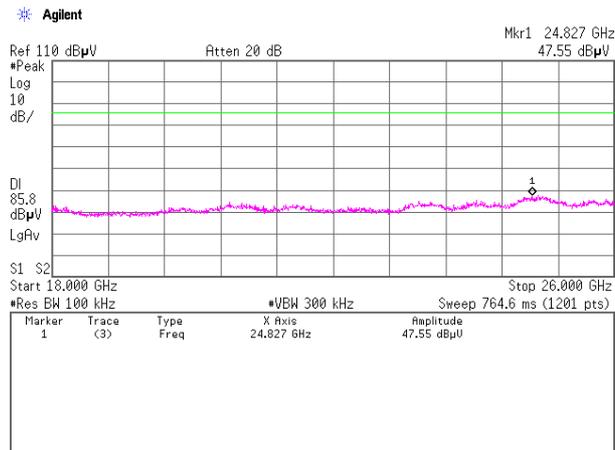
4.



5.

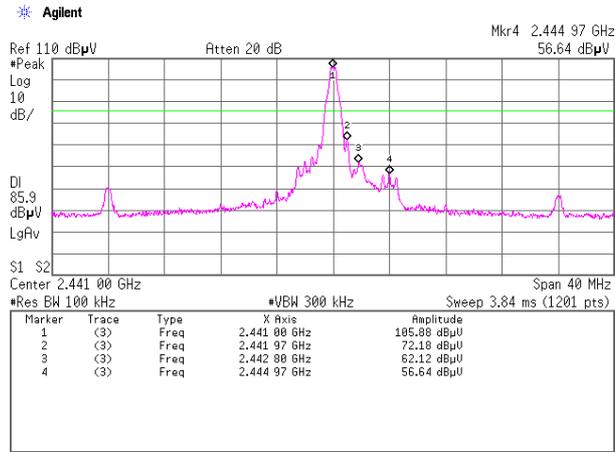


6.

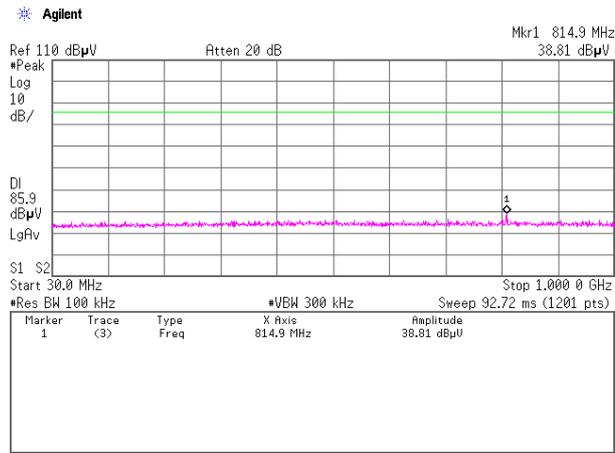


[Transmitting DH5]
Ch:2441MHz

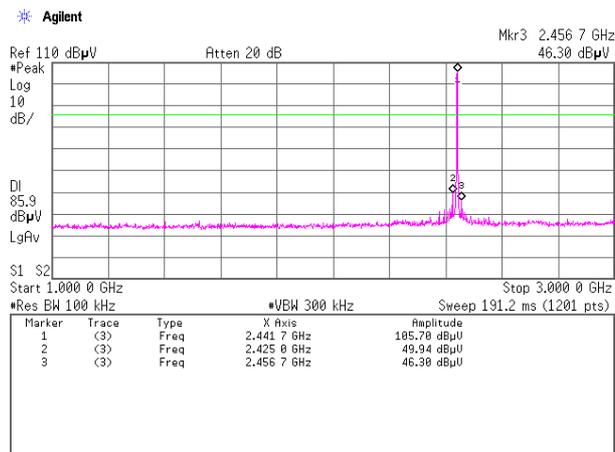
1.



2.

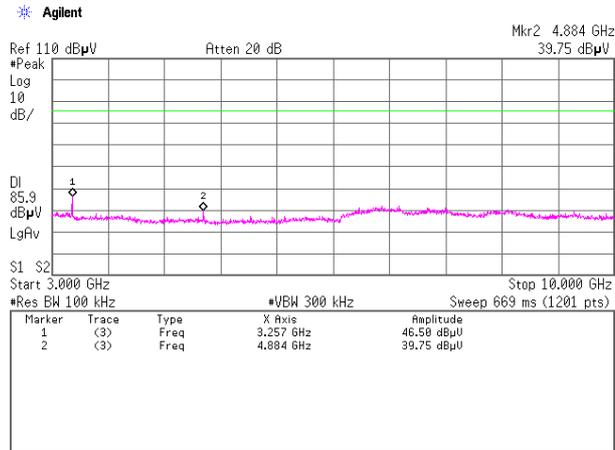


3.

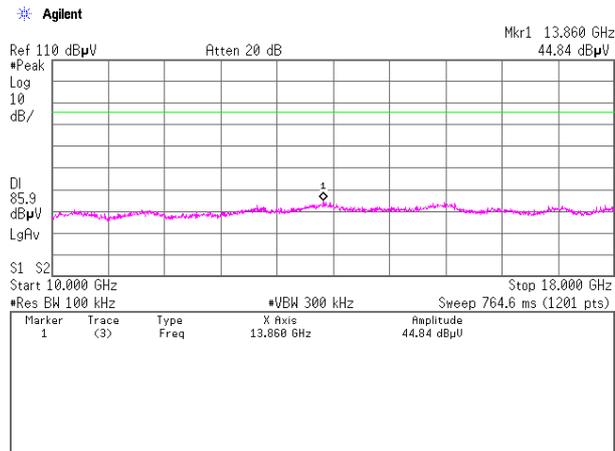


[Transmitting DH5]
Ch:2441MHz

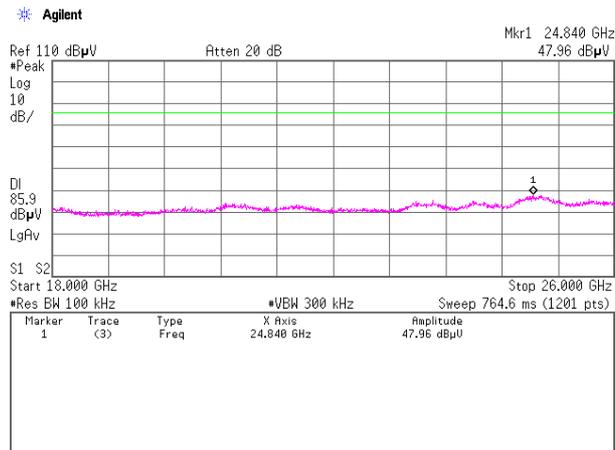
4.



5.

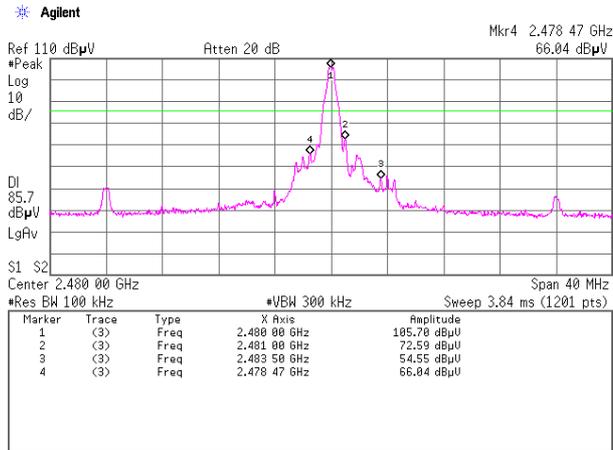


6.

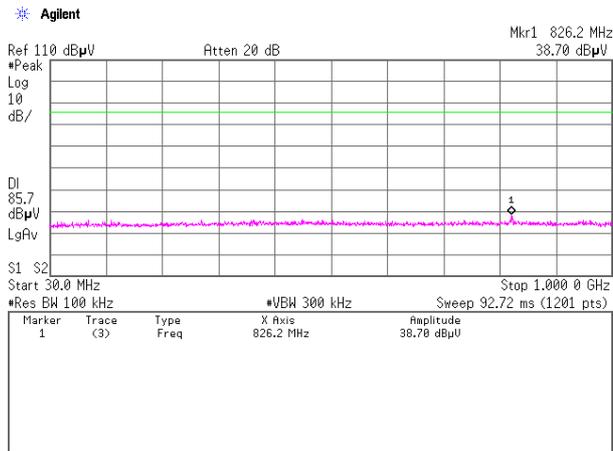


[Transmitting DH5]
Ch:2480MHz

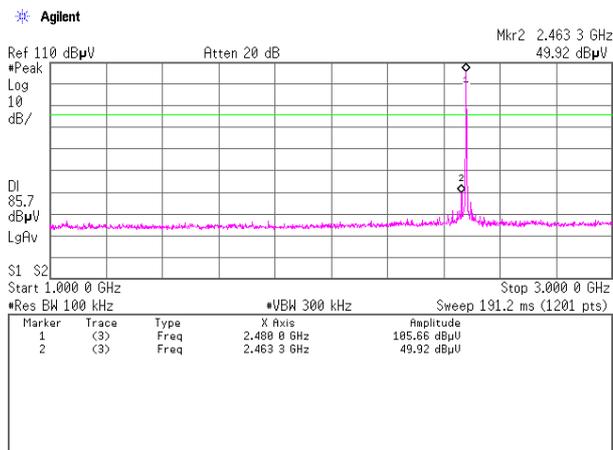
1.



2.

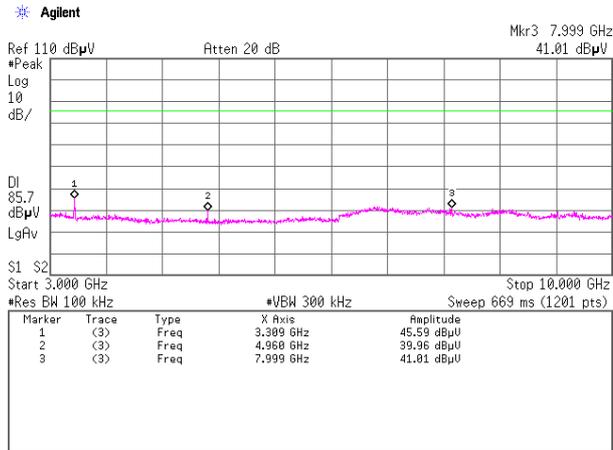


3.

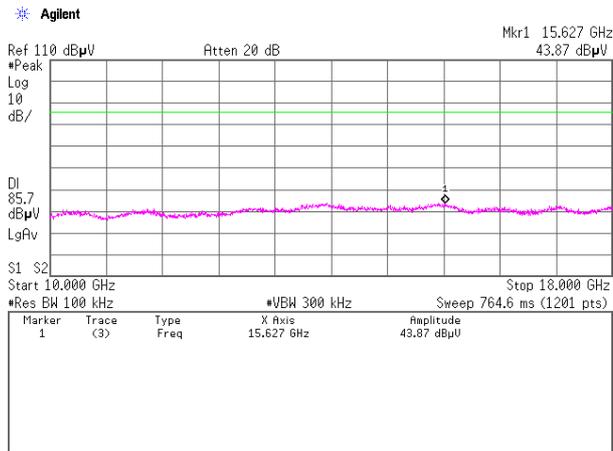


[Transmitting DH5]
Ch:2480MHz

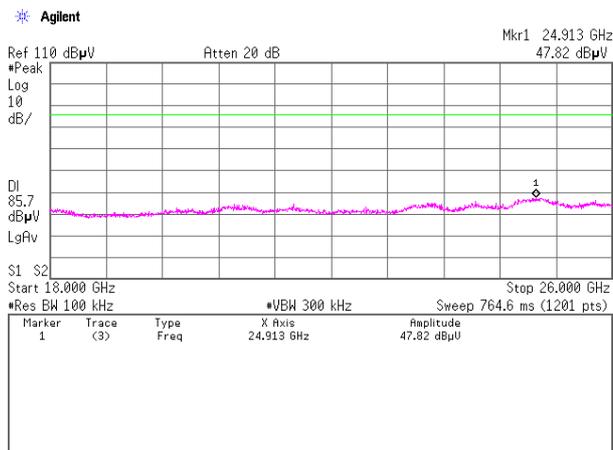
4.



5.

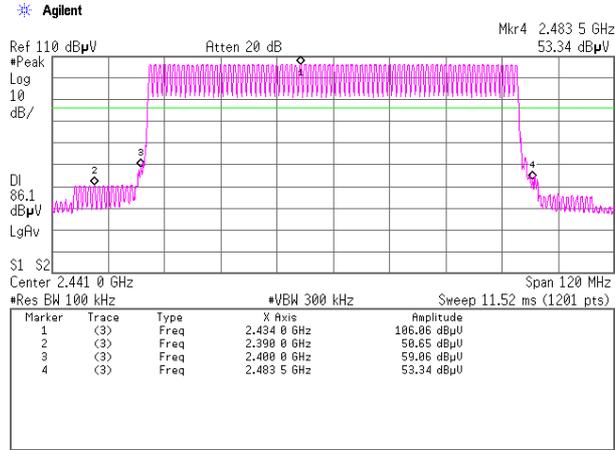


6.

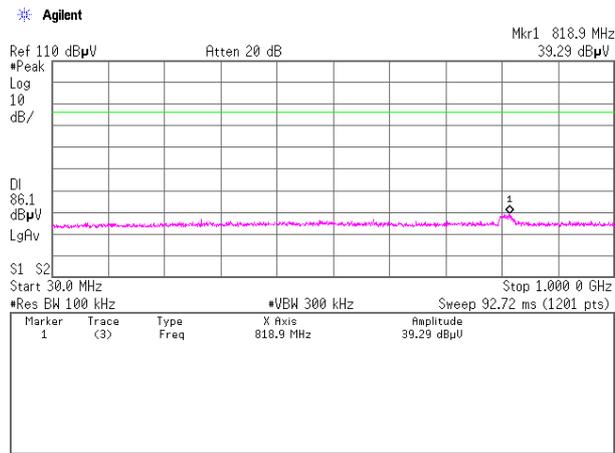


[Transmitting DH5]
Hopping

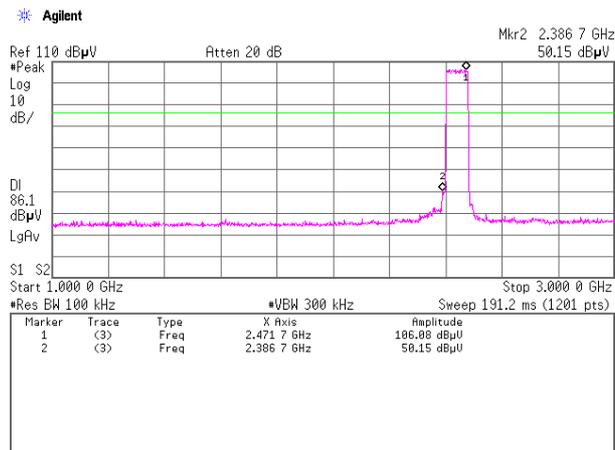
1.



2.

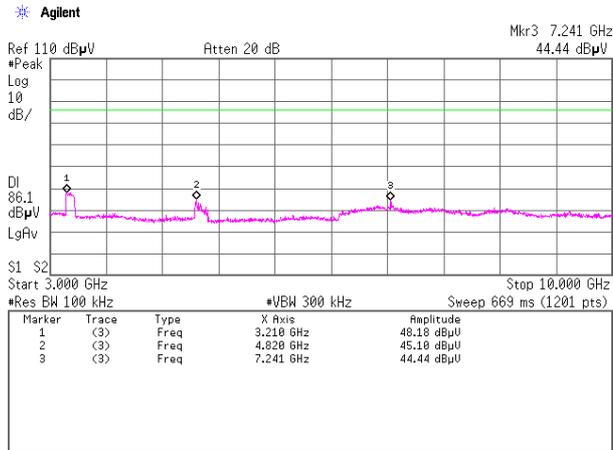


3.

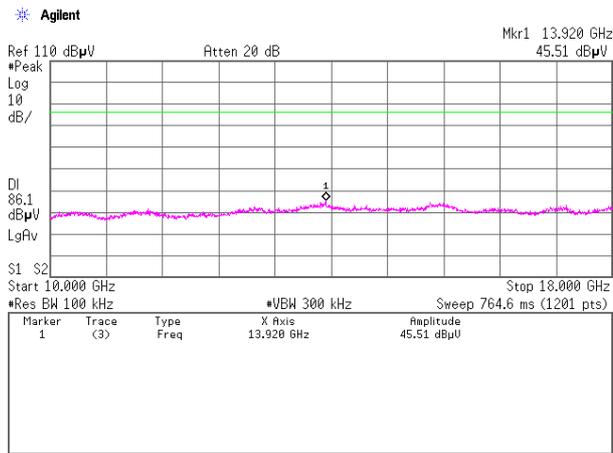


[Transmitting DH5]
Hopping

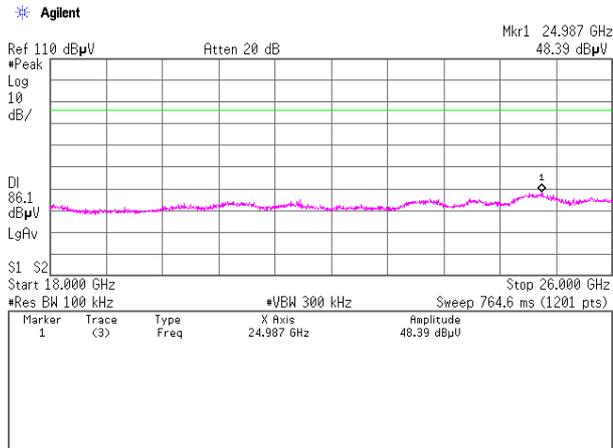
4.



5.



6.

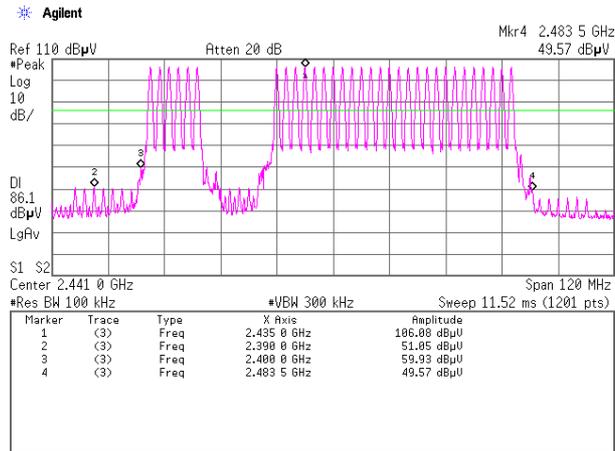


UL Japan, Inc. Yamakita EMC lab.
 Date:
 Temp./Humid.:
 Engineer:
 Test mode:

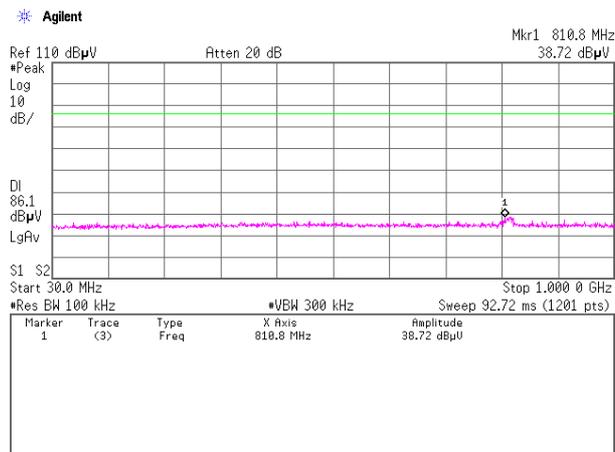
No.4 shielded room
 2009/08/05
 24 deg. C. / 53 %
 Akira Sato
 Transmitting (Inquiry)

[Transmitting]
 Inquiry

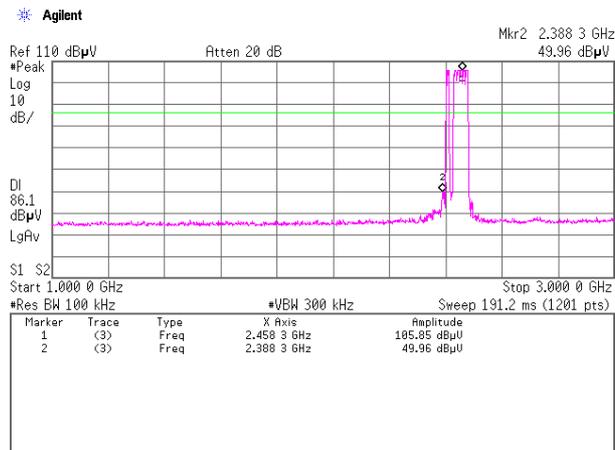
1.



2.

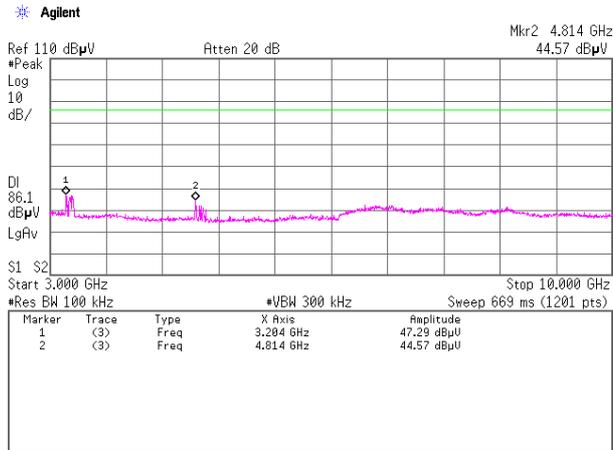


3.

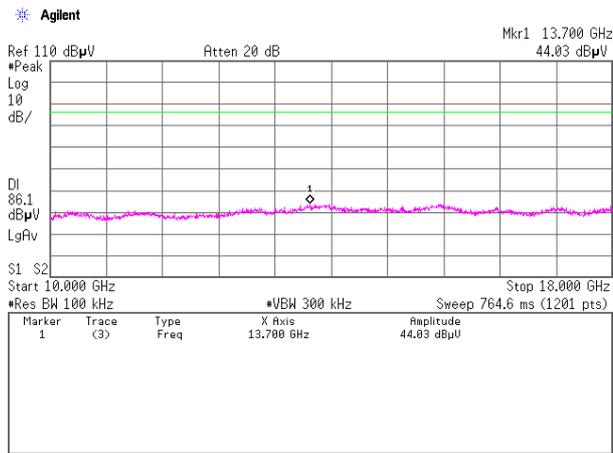


[Transmitting]
Inquiry

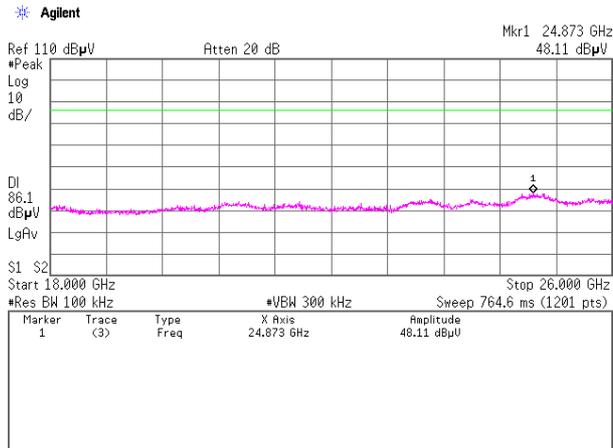
4.



5.



6.



Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2402MHz DH5)
 Remarks : -
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209

Engineer : Minoru Nakatake

| 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 | | | | | HOR [dB μ V/m] | VER | HOR [dB] | VER | | |
| 1. | 30.64 | BB | 21.9 | 33.0 | 17.6 | 28.3 | 1.2 | 6.0 | 18.4 | 29.5 | 40.0 | 21.6 | 10.5 | |
| 2. | 48.30 | BB | 36.3 | 37.1 | 11.5 | 28.5 | 1.5 | 6.0 | 26.8 | 27.6 | 40.0 | 13.2 | 12.4 | |
| 3. | 49.49 | BB | 32.8 | 36.0 | 11.1 | 28.5 | 1.5 | 6.0 | 22.9 | 26.1 | 40.0 | 17.1 | 13.9 | |
| 4. | 50.67 | BB | 31.1 | 36.8 | 10.7 | 28.5 | 1.5 | 6.0 | 20.8 | 26.5 | 40.0 | 19.2 | 13.5 | |
| 5. | 288.00 | BB | 36.9 | 36.5 | 19.3 | 27.6 | 4.0 | 6.0 | 38.6 | 38.2 | 46.0 | 7.4 | 7.8 | |
| 6. | 314.57 | BB | 32.9 | 23.7 | 14.8 | 27.7 | 4.2 | 6.1 | 30.3 | 21.1 | 46.0 | 15.7 | 24.9 | |
| 7. | 316.93 | BB | 33.0 | 23.8 | 14.9 | 27.7 | 4.2 | 6.1 | 30.5 | 21.3 | 46.0 | 15.5 | 24.7 | |

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

■ ANTENNA : KBA-05 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-02 (ESCS30)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2441MHz DH5)
 Remarks : -
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209

Engineer : Minoru Nakatake

| 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 | | | | | HOR [dB μ V/m] | VER | HOR [dB] | VER | | |
| 1. | 30.64 | BB | 21.7 | 33.1 | 17.6 | 28.3 | 1.2 | 6.0 | 18.2 | 29.6 | 40.0 | 21.8 | 10.4 | |
| 2. | 48.31 | BB | 36.6 | 38.3 | 11.5 | 28.5 | 1.5 | 6.0 | 27.1 | 28.8 | 40.0 | 12.9 | 11.2 | |
| 3. | 49.49 | BB | 31.8 | 35.0 | 11.1 | 28.5 | 1.5 | 6.0 | 21.9 | 25.1 | 40.0 | 18.1 | 14.9 | |
| 4. | 50.67 | BB | 31.5 | 36.3 | 10.7 | 28.5 | 1.5 | 6.0 | 21.2 | 26.0 | 40.0 | 18.8 | 14.0 | |
| 5. | 288.00 | BB | 36.4 | 36.5 | 19.3 | 27.6 | 4.0 | 6.0 | 38.1 | 38.2 | 46.0 | 7.9 | 7.8 | |
| 6. | 314.57 | BB | 32.8 | 23.6 | 14.8 | 27.7 | 4.2 | 6.1 | 30.2 | 21.0 | 46.0 | 15.8 | 25.0 | |
| 7. | 316.93 | BB | 32.6 | 24.1 | 14.9 | 27.7 | 4.2 | 6.1 | 30.1 | 21.6 | 46.0 | 15.9 | 24.4 | |

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

■ ANTENNA : KBA-05 (BBA9106) 30-299.99MHz / KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-02 (ESCS30)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2480MHz DH5)
 Remarks : -
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209

Engineer : Minoru Nakatake

| 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 | | | | | HOR [dB μ V/m] | VER | HOR [dB] | VER | | |
| 1. | 30.64 | BB | 21.7 | 30.9 | 17.6 | 28.3 | 1.2 | 6.0 | 18.2 | 27.4 | 40.0 | 21.8 | 12.6 | |
| 2. | 48.31 | BB | 35.4 | 37.5 | 11.5 | 28.5 | 1.5 | 6.0 | 25.9 | 28.0 | 40.0 | 14.1 | 12.0 | |
| 3. | 49.49 | BB | 30.7 | 34.2 | 11.1 | 28.5 | 1.5 | 6.0 | 20.8 | 24.3 | 40.0 | 19.2 | 15.7 | |
| 4. | 50.67 | BB | 30.5 | 35.9 | 10.7 | 28.5 | 1.5 | 6.0 | 20.2 | 25.6 | 40.0 | 19.8 | 14.4 | |
| 5. | 288.00 | BB | 34.5 | 36.5 | 19.3 | 27.6 | 4.0 | 6.0 | 36.2 | 38.2 | 46.0 | 9.8 | 7.8 | |
| 6. | 314.58 | BB | 33.1 | 23.8 | 14.8 | 27.7 | 4.2 | 6.1 | 30.5 | 21.2 | 46.0 | 15.5 | 24.8 | |
| 7. | 316.94 | BB | 31.6 | 23.7 | 14.9 | 27.7 | 4.2 | 6.1 | 29.1 | 21.2 | 46.0 | 16.9 | 24.8 | |

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

■ ANTENNA : KBA-05 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 (8447D) ■ EMI RECEIVER : KTR-02 (ESCS30)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2402MHz DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15. 209(PK Detection)

Engineer : Minoru Nakatake

| 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 | | | | | HOR [dB μ V/m] | VER | HOR [dB] | VER | | |
| 1. | 1602.01 | BB | 51.2 | 52.2 | 26.5 | 36.8 | 3.4 | 0.0 | 44.3 | 45.3 | 74.0 | 29.7 | 28.7 | |
| 2. | 2390.00 | BB | 45.1 | 46.1 | 28.0 | 36.5 | 4.2 | 0.0 | 40.8 | 41.8 | 74.0 | 33.2 | 32.2 | |
| 3. | 2400.00 | BB | 57.7 | 58.5 | 28.0 | 36.5 | 4.2 | 0.0 | 53.4 | 54.2 | 74.0 | 20.6 | 19.8 | |
| 4. | 4804.00 | BB | 44.1 | 44.7 | 32.2 | 36.2 | 5.9 | 0.0 | 46.0 | 46.6 | 74.0 | 28.0 | 27.4 | |
| 5. | 7206.00 | BB | 45.2 | 44.0 | 36.6 | 36.2 | 7.3 | 0.0 | 52.9 | 51.7 | 74.0 | 21.1 | 22.3 | |
| 6. | 9608.00 | BB | 44.4 | 45.5 | 38.8 | 36.3 | 8.6 | 0.0 | 55.5 | 56.6 | 74.0 | 18.5 | 17.4 | |
| 7. | 12010.00 | BB | 44.7 | 43.7 | 38.7 | 35.6 | 9.6 | 0.0 | 57.4 | 56.4 | 74.0 | 16.6 | 17.6 | |

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

■ ANTENNA : KHA-02 ■ CABLE : KCC-D24/D25
 ■ AMP : KAF-02 (8449B) ■ SPECTRUM ANALYZER : KSA-08 (E4446A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2402MHz DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15. 209(AV Detection)

Engineer : Minoru Nakatake

| 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 | 47.3 | 48.6 | 26.5 | 36.8 | 3.4 | 0.0 | 40.4 | 41.7 | 54.0 | 13.6 | 12.3 |
| 2. | 2390.00 | BB | 33.3 | 33.8 | 28.0 | 36.5 | 4.2 | 0.0 | 29.0 | 29.5 | 54.0 | 25.0 | 24.5 |
| 3. | 2400.00 | BB | 49.7 | 50.4 | 28.0 | 36.5 | 4.2 | 0.0 | 45.4 | 46.1 | 54.0 | 8.6 | 7.9 |
| 4. | 4804.00 | BB | 33.5 | 35.0 | 32.2 | 36.2 | 5.9 | 0.0 | 35.4 | 36.9 | 54.0 | 18.6 | 17.1 |
| 5. | 7206.00 | BB | 31.9 | 32.0 | 36.6 | 36.2 | 7.3 | 0.0 | 39.6 | 39.7 | 54.0 | 14.4 | 14.3 |
| 6. | 9608.00 | BB | 31.6 | 31.4 | 38.8 | 36.3 | 8.6 | 0.0 | 42.7 | 42.5 | 54.0 | 11.3 | 11.5 |
| 7. | 12010.00 | BB | 32.0 | 31.4 | 38.7 | 35.6 | 9.6 | 0.0 | 44.7 | 44.1 | 54.0 | 9.3 | 9.9 |

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

■ ANTENNA : KHA-02 ■ CABLE : KCC-D24/D25
 ■ AMP : KAF-02 (8449B) ■ SPECTRUM ANALYZER : KSA-08 (E4446A)

Data of Radiated Disturbance Test

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2441MHz DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209(PK Detection)

Engineer : Minoru Nakatake

| 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. | 1627.99 | BB | 51.5 | 48.7 | 26.5 | 36.8 | 3.4 | 0.0 | 44.6 | 41.8 | 74.0 | 29.4 | 32.2 |
| 2. | 4882.00 | BB | 43.5 | 43.0 | 32.2 | 36.1 | 6.0 | 0.0 | 45.6 | 45.1 | 74.0 | 28.4 | 28.9 |
| 3. | 7323.00 | BB | 44.7 | 43.6 | 36.9 | 36.3 | 7.4 | 0.0 | 52.7 | 51.6 | 74.0 | 21.3 | 22.4 |
| 4. | 9764.00 | BB | 44.4 | 44.3 | 38.9 | 36.2 | 8.6 | 0.0 | 55.7 | 55.6 | 74.0 | 18.3 | 18.4 |
| 5. | 12205.00 | BB | 44.9 | 44.4 | 39.0 | 35.2 | 9.7 | 0.0 | 58.4 | 57.9 | 74.0 | 15.6 | 16.1 |

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

■ ANTENNA : KHA-02 ■ CABLE : KCC-D24/D25
 ■ AMP : KAF-02 (8449B) ■ SPECTRUM ANALYZER : KSA-08 (E4446A)

Data of Radiated Disturbance Test

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2441MHz DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209(AV Detection)

Engineer : Minoru Nakatake

| 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. | 1627.99 | BB | 47.4 | 43.7 | 26.5 | 36.8 | 3.4 | 0.0 | 40.5 | 36.8 | 54.0 | 13.5 | 17.2 |
| 2. | 4882.00 | BB | 31.4 | 31.7 | 32.2 | 36.1 | 6.0 | 0.0 | 33.5 | 33.8 | 54.0 | 20.5 | 20.2 |
| 3. | 7323.00 | BB | 32.1 | 32.1 | 36.9 | 36.3 | 7.4 | 0.0 | 40.1 | 40.1 | 54.0 | 13.9 | 13.9 |
| 4. | 9764.00 | BB | 31.6 | 31.9 | 38.9 | 36.2 | 8.6 | 0.0 | 42.9 | 43.2 | 54.0 | 11.1 | 10.8 |
| 5. | 12205.00 | BB | 31.7 | 32.1 | 39.0 | 35.2 | 9.7 | 0.0 | 45.2 | 45.6 | 54.0 | 8.8 | 8.4 |

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

■ ANTENNA : KHA-02 ■ CABLE : KCC-D24/D25
 ■ AMP : KAF-02 (8449B) ■ SPECTRUM ANALYZER : KSA-08 (E4446A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2480MHz DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15.209(PK Detection)

Engineer : Minoru Nakatake

| 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. | 1654.03 | BB | 50.9 | 50.3 | 26.6 | 36.8 | 3.4 | 0.0 | 44.1 | 43.5 | 74.0 | 29.9 | 30.5 |
| 2. | 2483.50 | BB | 52.1 | 51.1 | 28.0 | 36.5 | 4.2 | 0.0 | 47.8 | 46.8 | 74.0 | 26.2 | 27.2 |
| 3. | 4960.00 | BB | 44.2 | 44.2 | 32.3 | 36.1 | 6.0 | 0.0 | 46.4 | 46.4 | 74.0 | 27.6 | 27.6 |
| 4. | 7440.00 | BB | 44.0 | 44.0 | 37.2 | 36.3 | 7.4 | 0.0 | 52.3 | 52.3 | 74.0 | 21.7 | 21.7 |
| 5. | 9920.00 | BB | 44.5 | 44.0 | 39.1 | 36.2 | 8.6 | 0.0 | 56.0 | 55.5 | 74.0 | 18.0 | 18.5 |
| 6. | 12400.00 | BB | 44.3 | 44.2 | 39.3 | 34.9 | 9.7 | 0.0 | 58.4 | 58.3 | 74.0 | 15.6 | 15.7 |

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

■ ANTENNA: KHA-02 ■ CABLE: KCC-D24/D25
 ■ AMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-08 (E4446A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29KE0231-YK-01-A

Applicant : Sony EMCS Corporation
 Kind of Equipment : Bluetooth Audio System
 Model No. : MEX-BT3800U
 Serial No. : EVO9074
 Power : DC12V
 Mode : Transmitting (2480MHz DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 7/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 65 %
 Limit : FCC Part15C § 15. 209 (AV Detection)

Engineer : Minoru Nakatake

| 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. | 1654.03 | BB | 46.7 | 44.3 | 26.6 | 36.8 | 3.4 | 0.0 | 39.9 | 37.5 | 54.0 | 14.1 | 16.5 |
| 2. | 2483.50 | BB | 41.7 | 40.9 | 28.0 | 36.5 | 4.2 | 0.0 | 37.4 | 36.6 | 54.0 | 16.6 | 17.4 |
| 3. | 4960.00 | BB | 33.1 | 32.2 | 32.3 | 36.1 | 6.0 | 0.0 | 35.3 | 34.4 | 54.0 | 18.7 | 19.6 |
| 4. | 7440.00 | BB | 31.9 | 31.4 | 37.2 | 36.3 | 7.4 | 0.0 | 40.2 | 39.7 | 54.0 | 13.8 | 14.3 |
| 5. | 9920.00 | BB | 31.8 | 31.3 | 39.1 | 36.2 | 8.6 | 0.0 | 43.3 | 42.8 | 54.0 | 10.7 | 11.2 |
| 6. | 12400.00 | BB | 31.4 | 31.2 | 39.3 | 34.9 | 9.7 | 0.0 | 45.5 | 45.3 | 54.0 | 8.5 | 8.7 |

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

■ ANTENNA: KHA-02 ■ CABLE: KCC-D24/D25
 ■ AMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-08 (E4446A)

Duty Cycle

UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/08/05
Temp./Humid.: 24 deg. C. / 53 %
Engineer: Akira Sato
Test mode: Transmitting

[DH5]



Duty Cycle: 3.76ms

AV Detector VBW: $1000 / 3.76\text{ms} = 266.0\text{Hz} \rightarrow 300\text{Hz}$

- * All the measured noise was pulse emission.
- * Duty cycle was within 100msec.

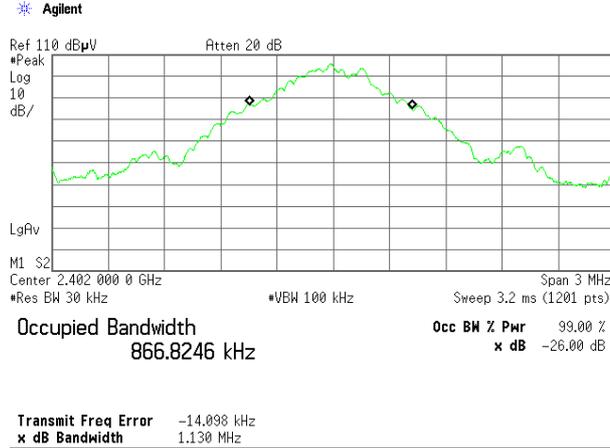
This purpose of the Duty Cycle calculation measures the pulse timing that we ensure Spectrum Analyzer can detect the pulse emission correctly. Therefore, if the pulse train can happen by 50msec(20Hz) or less, the average value measurement by setting the repetition frequency is done more correctly than VBW=10Hz that DA 00-705 accepts for AV detect. For instance, if pulse cycle is every 10msec, we set VBW = 100Hz(=1000/10) in order not to overlook a pulse unexpectedly.

Occupied Bandwidth (99%) (Regulation: RSS-Gen 4.6.1)

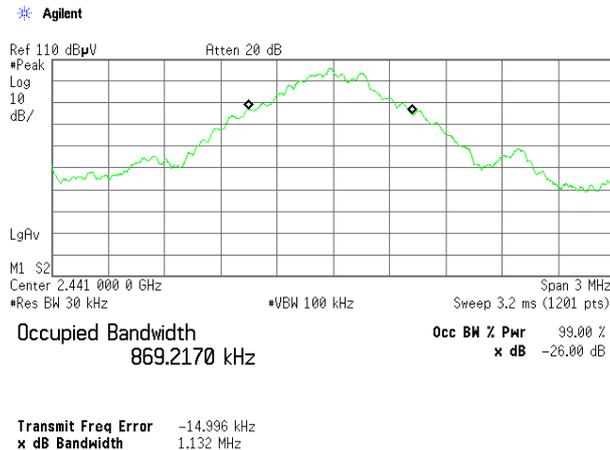
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/08/05
 Temp: 24 deg. C.
 Humid: 53 %
 Engineer: Akira Sato
 Test mode: Transmitting

[Hopping off, DHS]

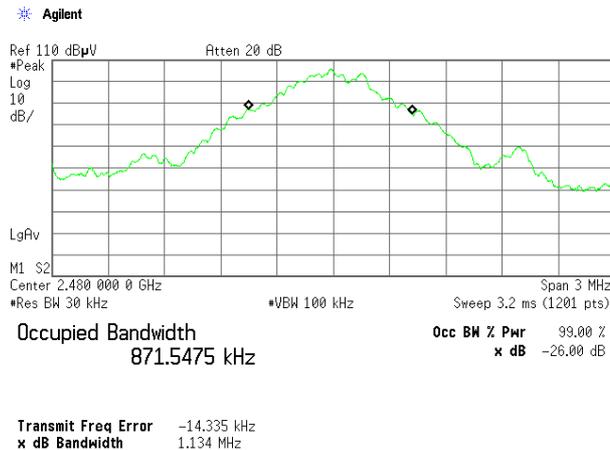
1. ch : 2402MHz/Occupied Bandwidth: 866.8246kHz



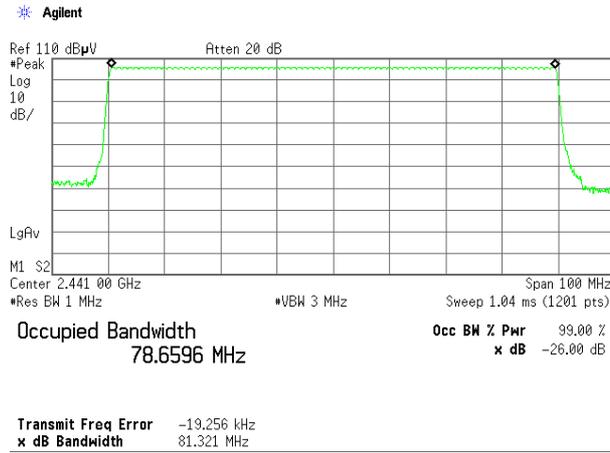
2. ch : 2441MHz/Occupied Bandwidth: 869.2170kHz



3. ch : 2480MHz/Occupied Bandwidth: 871.5475kHz



7. Hopping, DH5/Occupied Bandwidth: 78.6596MHz



APPENDIX 3 Test Instruments

EMI test equipment

| Control No. | Instrument | Manufacturer | Model No | Serial No | Test Item | Calibration Date * Interval(month) |
|----------------------------|-------------------------------|------------------------------|----------------------------------|-----------------------|----------------|---------------------------------------|
| CUST-YA-RE | Radiated emission(software) | UL Japan | RE(Ver.1.9) | - | RE | - |
| KAEC-01(NSA) | Anechoic Chamber | JSE | Semi 3m | 1 | RE | 2009/08/20 * 12 |
| KAF-05 | Pre Amplifier | Agilent | 8447D | 2944A10150 | RE | 2009/03/27 * 12 |
| KAT6-01 | Attenuator | INMET | 18N-6dB | - | RE | 2009/03/10 * 12 |
| KBA-05 | Biconical Antenna | Schwarzbeck | BBA9106 | 2513 | RE | 2009/07/12 * 12 |
| KLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | 170 | RE | 2008/12/28 * 12 |
| KCC-30/31/32 /34/KRM-03 | Coaxial Cable/RF Relay Matrix | Fujikura/Suhner/TSJ | 5D-2W/S04272B/ RFM-E421 | -/01055 | RE | 2008/10/22 * 12 |
| KSA-04 | Spectrum Analyzer | Advantest | R3271A | 95060087 | RE | 2008/09/29 * 12 |
| KTR-02 | Test Receiver | Rohde & Schwarz | ESCS30 | 830986/017 | RE | 2008/09/12 * 12 |
| KTR-04 | Test Receiver | Rohde & Schwarz | ESVS10 | 825475/006 | RE | 2009/03/03 * 12 |
| KAF-02 | Pre Amplifier | Hewlett Packard | 8449B | 3008A01268 | RE | 2009/04/24 * 12 |
| KCC-D13/D16 | Coaxial cable | Suhner/INSULATED WIRE INC | SUCOFLEX104/KP S-1501-200-KPS | 200723/4 /04202005 | RE | 2009/04/27 * 12 |
| KCC-D24/D25 | Coaxial Cable | Suhner | SUCOFLEX 102 | 32718/2 / 32709/2 | RE | 2009/04/23 * 12 |
| KHA-02 | Horn Antenna | Schwarzbeck | BBHA9120D | 230 | RE | 2009/04/24 * 12 |
| KHA-04 | Horn Antenna | EMCO | 3160-09 | 1278 | RE | 2009/04/24 * 12 |
| KPM-08 | Power meter | Anritsu | ML2495A | 6K00003356 | AT 5 | 2008/10/02 * 12 |
| KPSS-04 | Power sensor | Anritsu | MA2411B | 012088 | AT 5 | 2008/10/02 * 12 |
| KSA-08 | Spectrum Analyzer | Agilent | E4446A | MY46180525 | AT 1,2,3,4,6 | 2009/01/22 * 12 |
| KCC-D20 | Coaxial Cable | SUHNER | SUCOFLEX102 | 31110/2 | AT 1,2,3,4,6,7 | 2009/07/30 * 12 |
| KCC-D22 | Microwave Cable | Hirose Electric | U.FL-2LP-066J1- A-(200) | - | AT | Pre Check |
| KOSC-01 | Oscilloscope | Tektronix | TDS-2022B | C050588 | AT 7 | 2009/05/20 * 12 |
| KOS-01 | Humidity Indicator | Custom | CTH-190 | K-01 | AT | 2009/07/29 * 12 |
| KOS-07 | Humidity Indicator | Custom | CTH-190 | K-07 | RE | 2009/07/29 * 12 |
| KJM-07 | Measure | KOMELON | KMC-36 | - | RE | - |
| KDT-01 | Coaxial Crystal Detector | Agilent | 8473C | 1822A05320 | AT 7 | Pre Check |
| | | | | | | |

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

As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .

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

3: Number of Hopping Frequency

4: Dwell time

5: Maximum Peak Output Power

6: Out of Band Emission (Conducted)

7: Duty cycle