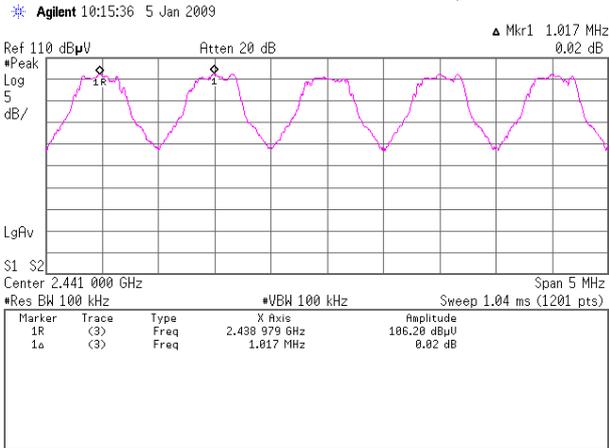


**Channel Separation (Regulation: FCC 15.247(a)(1))**

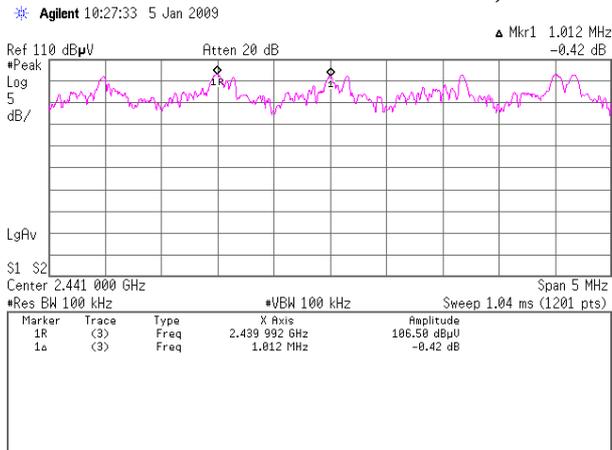
UL Japan, Inc. Yamakita EMC lab. No.5 shielded room  
 Date: 2009/1/5  
 3Temp./Humid.: 15 deg. C. / 47 %  
 Engineer: Tatsuya Arai  
 Test mode: Transmitting

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

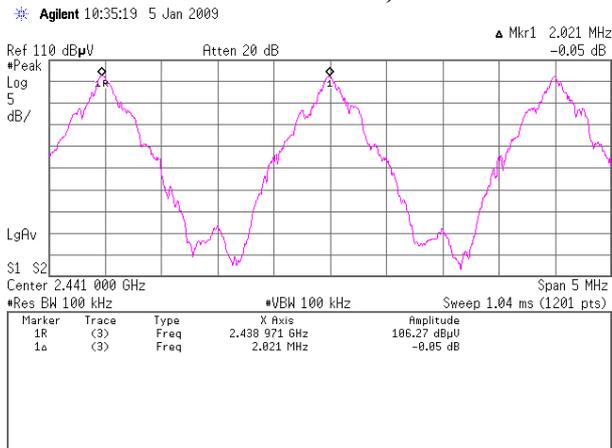
**1. Hopping, DH5: 1.017MHz ( $2/3 * 20\text{dB}$  Bandwidth:  $2/3 * 930.0\text{kHz} = 620.0\text{kHz}$ )**



**2. Hopping, 3DH5: 1.012MHz ( $2/3 * 20\text{dB}$  Bandwidth:  $2/3 * 1.2825\text{MHz} = 855.0\text{kHz}$ )**



**3. Inquiry: 2.021MHz ( $2/3 * 20\text{dB}$  Bandwidth:  $2/3 * 812.5\text{kHz} = 541.7\text{kHz}$ )**



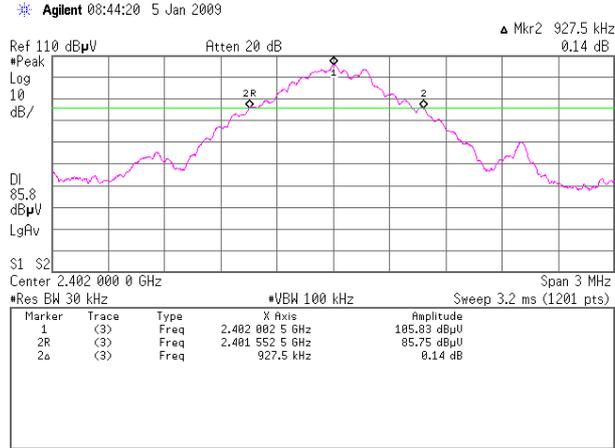
**20dB Bandwidth (Regulation: FCC 15.247(a)(1))**

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

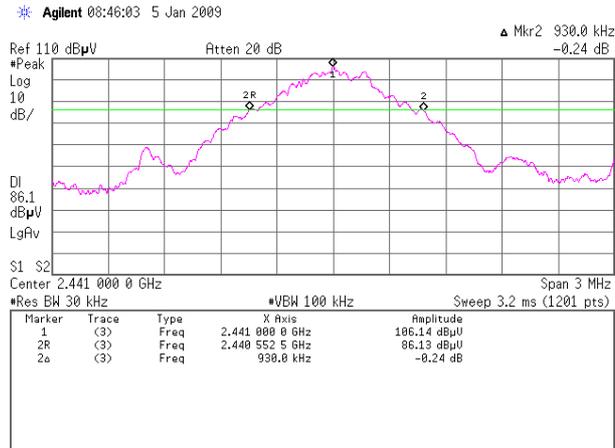
No.5 shielded room  
 2009/1/5  
 15 deg. C. / 47 %  
 Tatsuya Arai  
 Transmitting

[Hopping off, DHS]

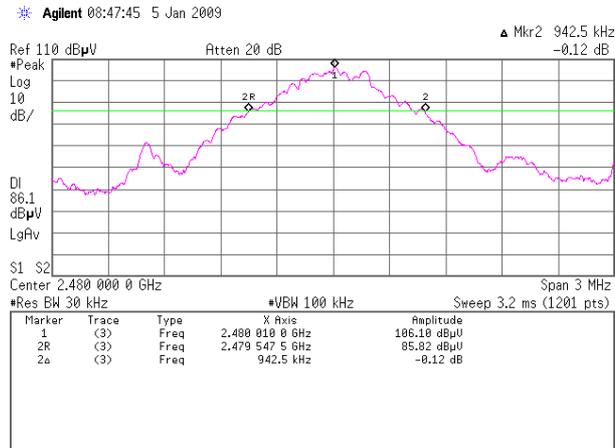
1. ch : 2402MHz/20dB Bandwidth: 927.5kHz



2. ch : 2441MHz/20dB Bandwidth: 930.0kHz

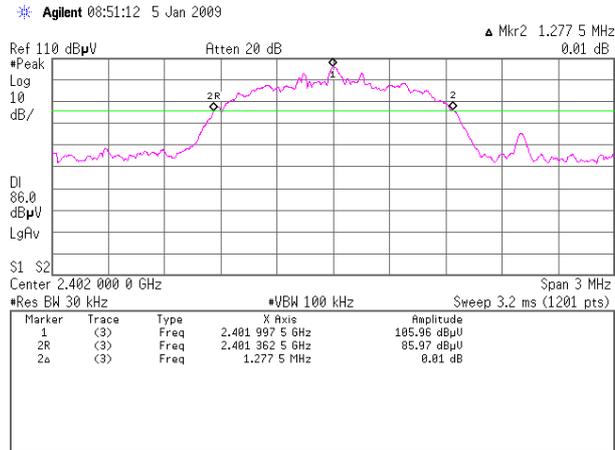


3. ch : 2480MHz/20dB Bandwidth: 942.5kHz

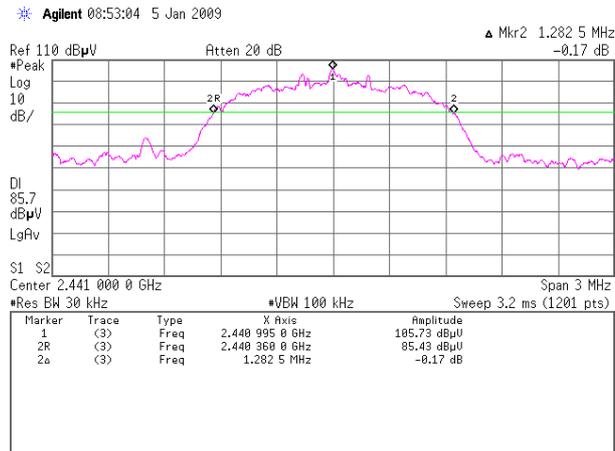


[Hopping off, 3DH5]

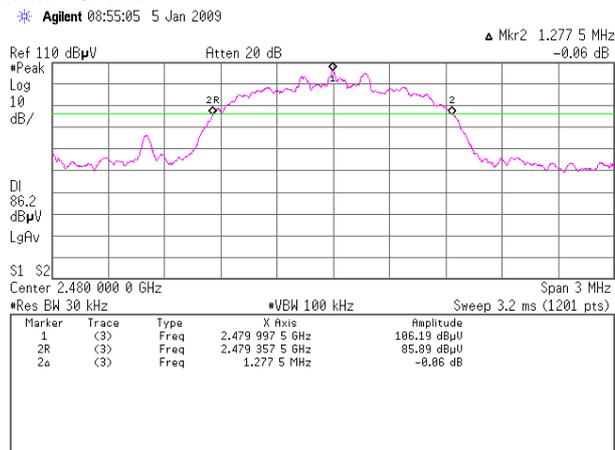
4. ch : 2402MHz/20dB Bandwidth: 1.2775MHz



5. ch : 2441MHz/20dB Bandwidth: 1.2825MHz

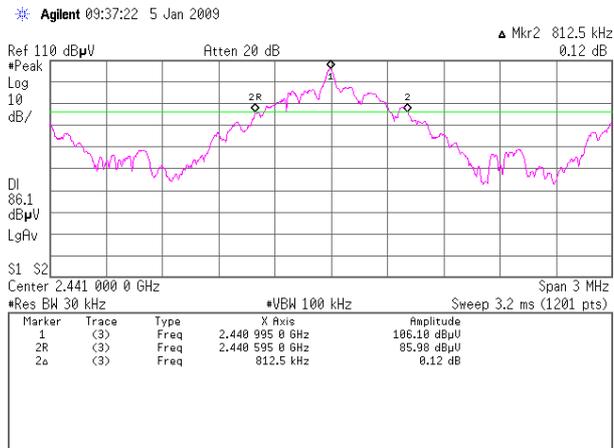


6. ch : 2480MHz/20dB Bandwidth: 1.2775MHz



[Inquiry]

7. Inaquiry/20dB Bandwidth: 812.5kHz



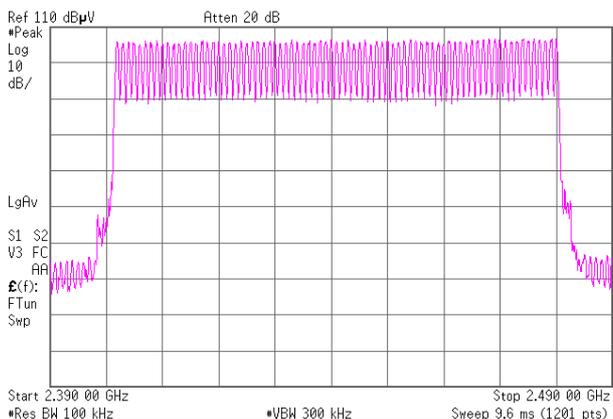
**Channel Utilization (Regulation: FCC 15.247(a)(1)(iii))**

UL Japan, Inc. Yamakita EMC lab. No.5 shielded room  
 Date: 2009/1/5  
 Temp./Humid.: 15 deg. C. / 47 %  
 Engineer: Tatsuya Arai  
 Test mode: Transmitting

**Hopping, DH5: 79ch**

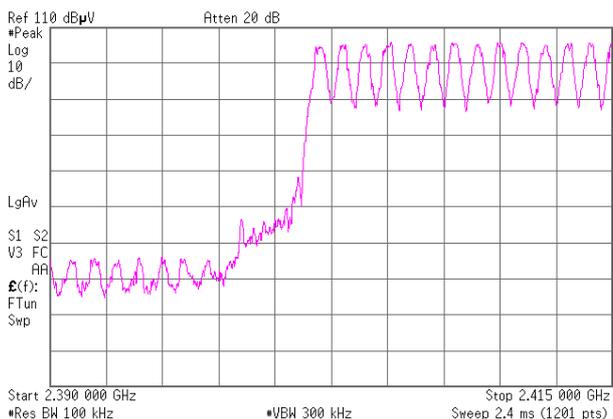
1.

\* Agilent 10:46:04 5 Jan 2009



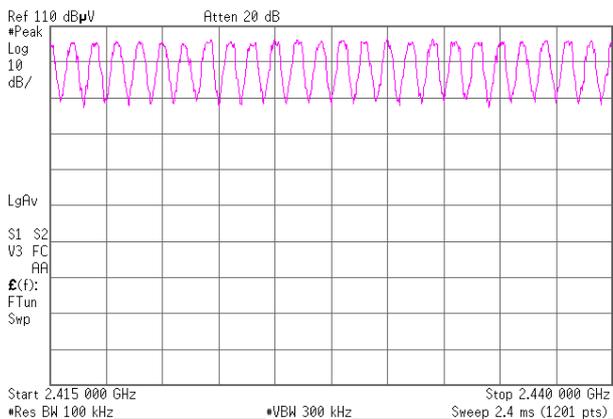
2.

\* Agilent 10:47:09 5 Jan 2009

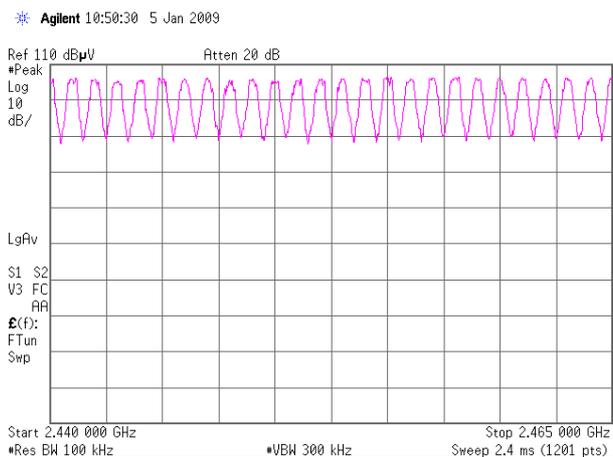


3.

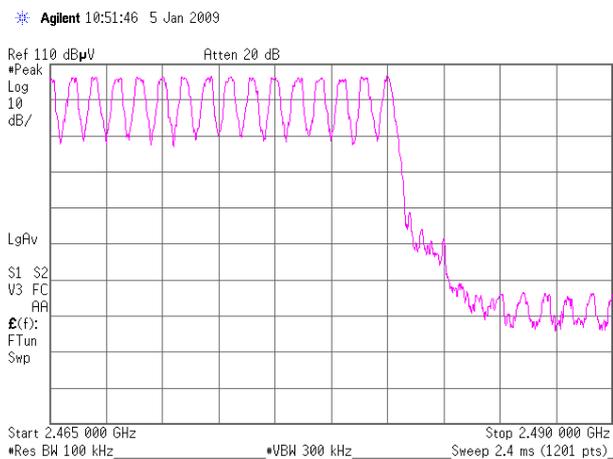
\* Agilent 10:48:43 5 Jan 2009



4.

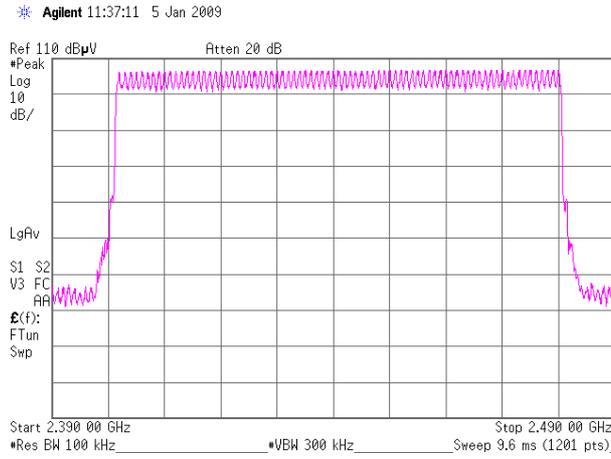


5.

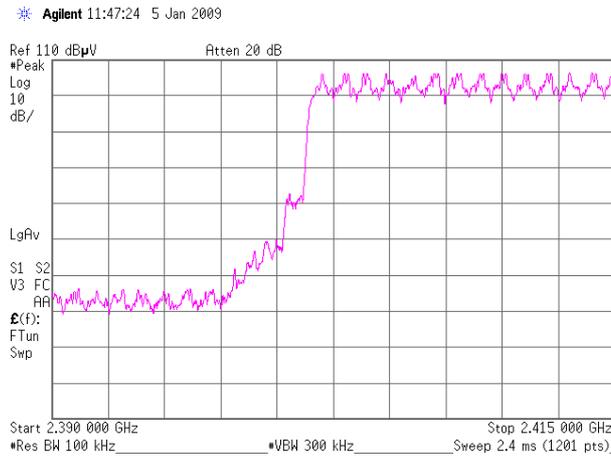


**Hopping, 3DHS: 79ch**

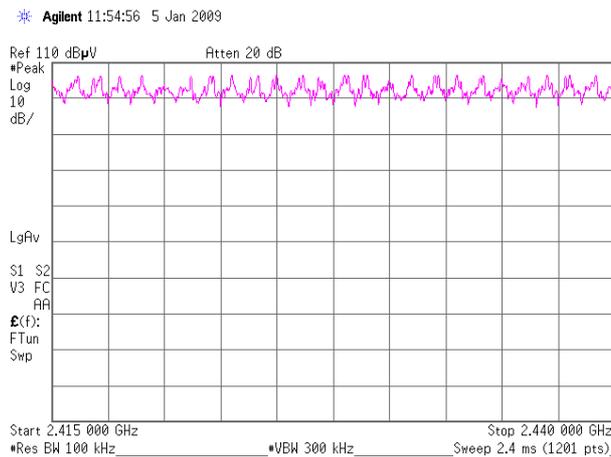
1.



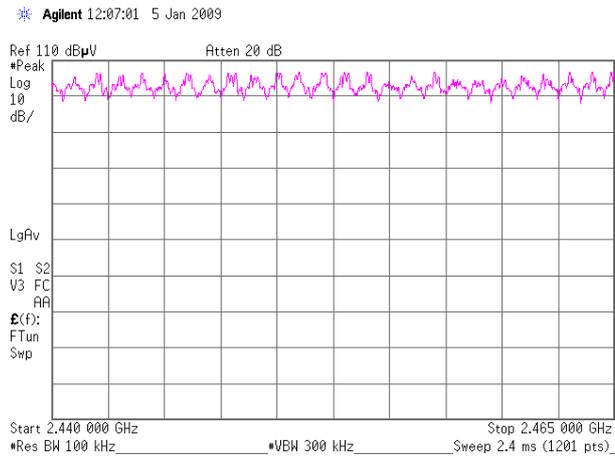
2.



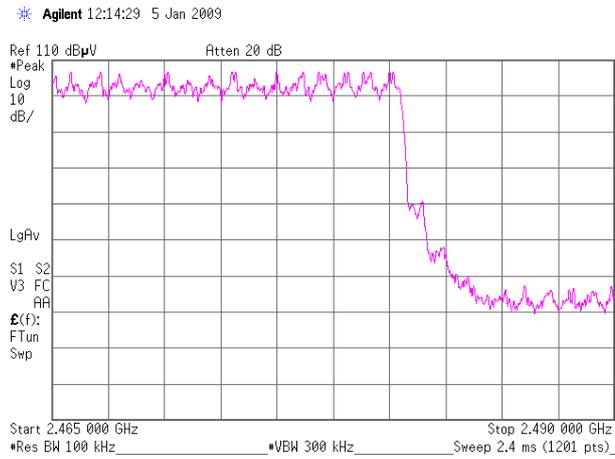
3.



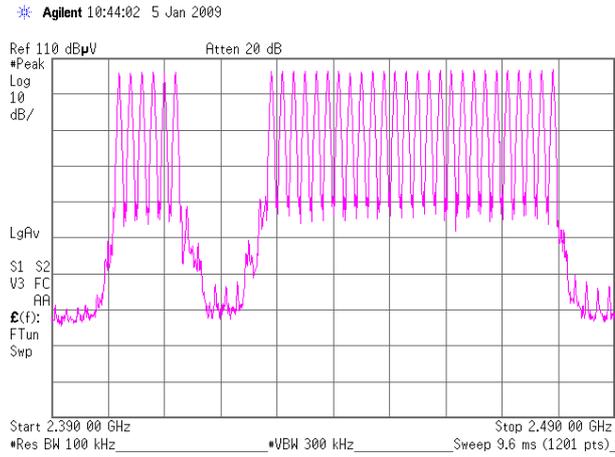
4.



5.



1. Inquiry: 32ch



Company: Sony Corporation  
Kind of Equipment: Bluetooth Audio System  
Serial No.: 16

Report No.:  
Model No.:  
Power:

29DE0186-YK-01-E  
MEX-BT5700U  
DC 12.0 V

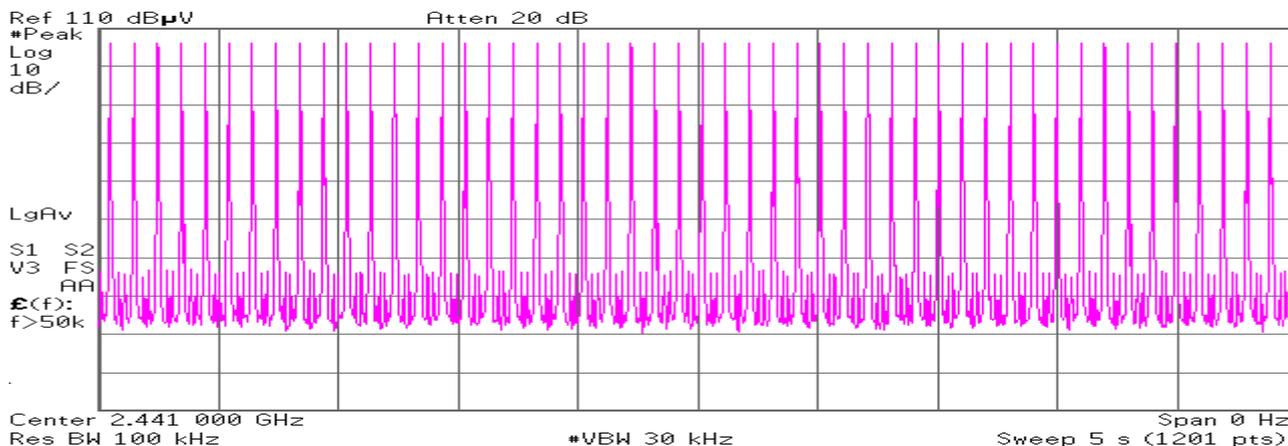
### Dwell Time (Regulation: FCC 15.247(a)(1)(iii))

UL Japan, Inc. Yamakita EMC lab. No.5 shielded room  
Date: 2009/1/5  
Temp/Humid.: 15 deg. C. / 47 %  
Engineer: Tatsuya Arai  
Test mode: Transmitting

#### Hopping (DH1):

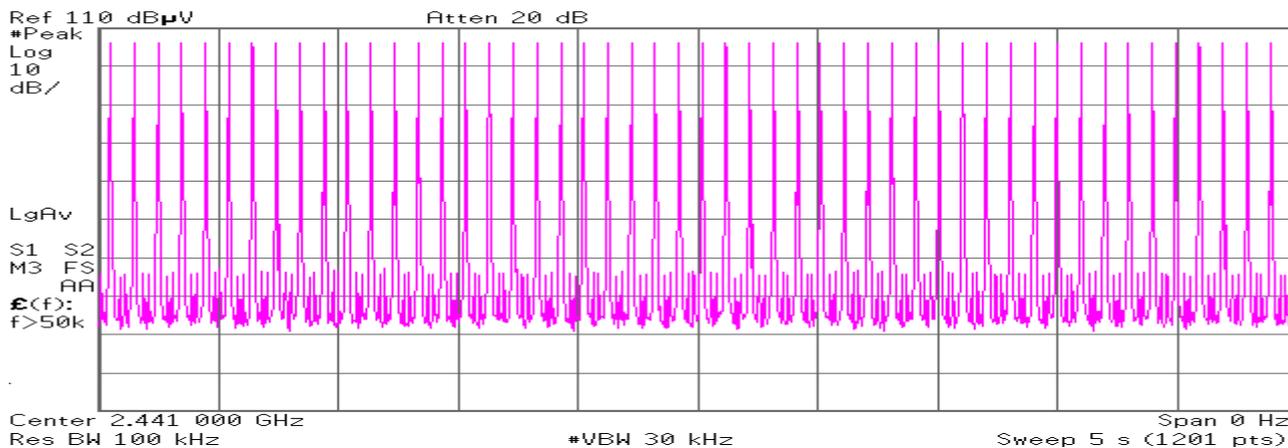
##### Count 1

Agilent 13:13:17 5 Jan 2009



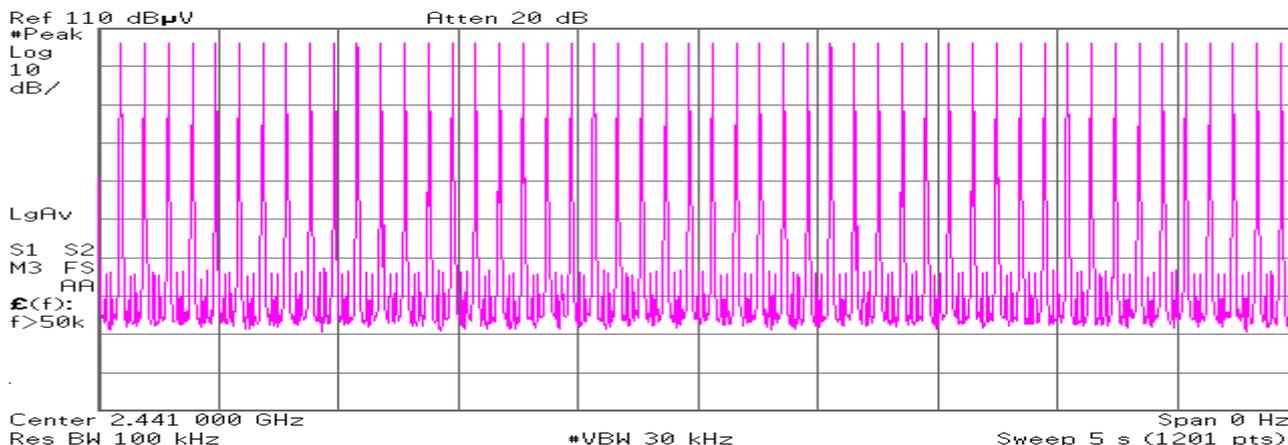
##### Count 2

Agilent 13:13:42 5 Jan 2009



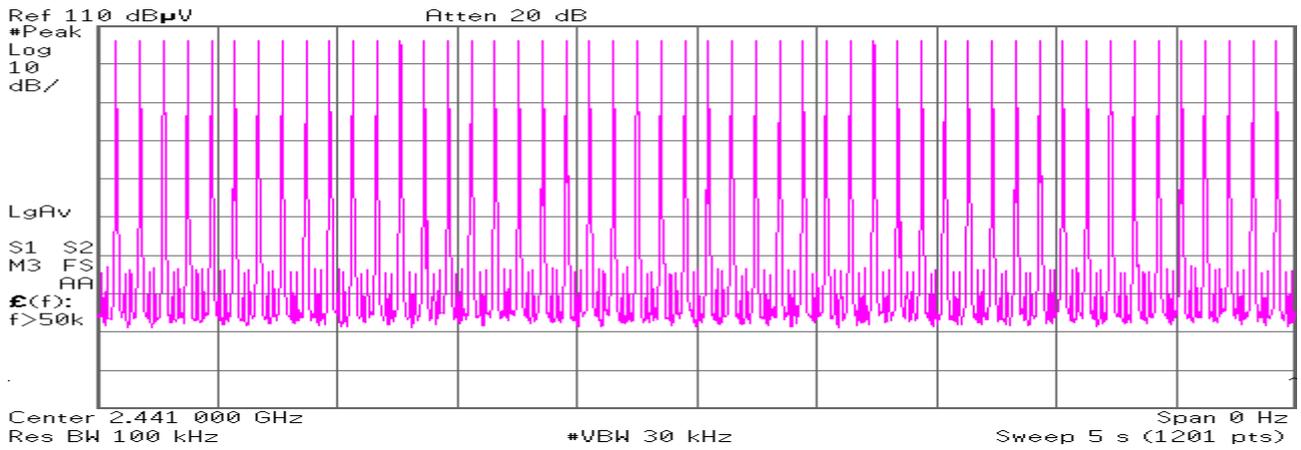
##### Count 3

Agilent 13:14:13 5 Jan 2009



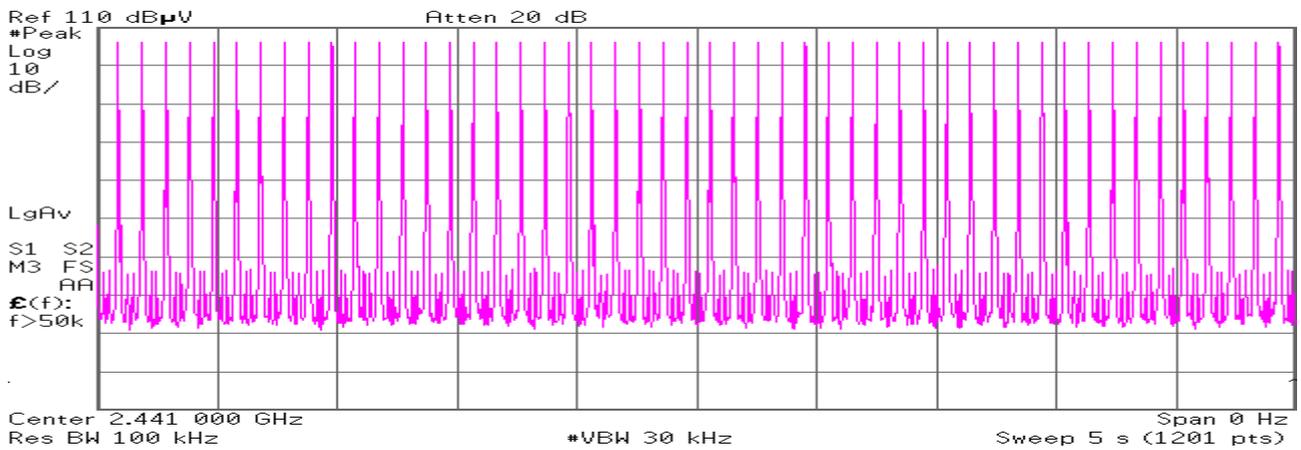
**Count 4**

Agilent 13:14:36 5 Jan 2009

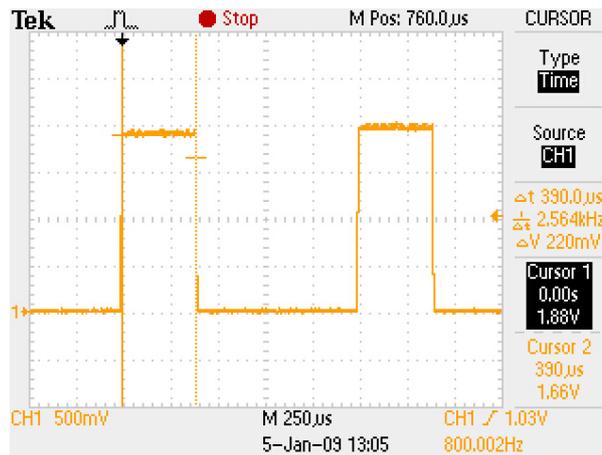


**Count 5**

Agilent 13:15:07 5 Jan 2009



**Duty cycle(Hopping DH1)**

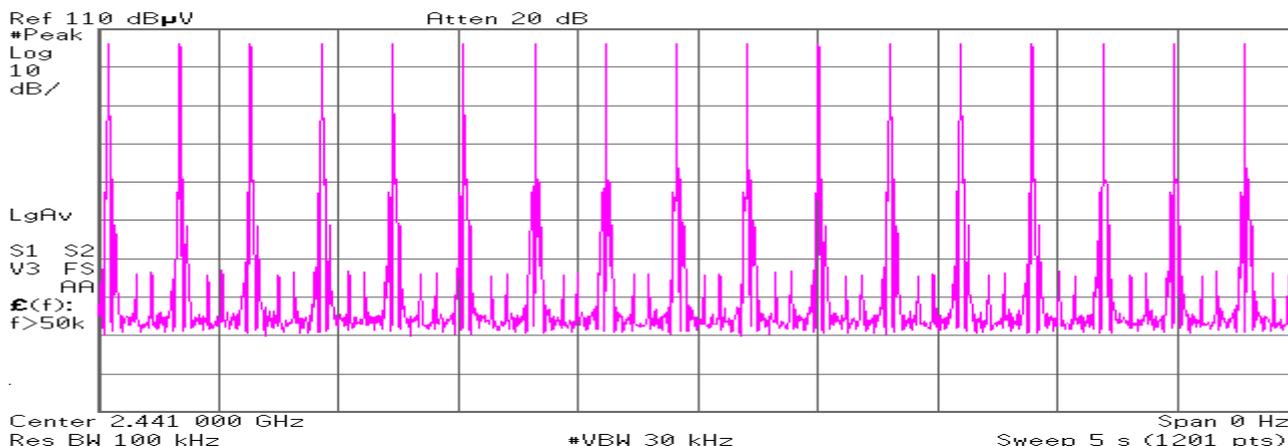


Average times of rising in 5 sec. of sweep = (51+ 51 + 50 + 50 + 50) / 5 = 50.4  
 Average times of rising in 1 sec. = 50.4 / 5s = 10.08  
 Average times of rising in 0.4x = 0.4 \* 79ch \* 10.08 = 318.528  
 Dwell time = 318.53\* 0.390 = 124.23 [ms]  
 Limit : Dwell Time < 0.4[s]

**Hopping (DH3):**

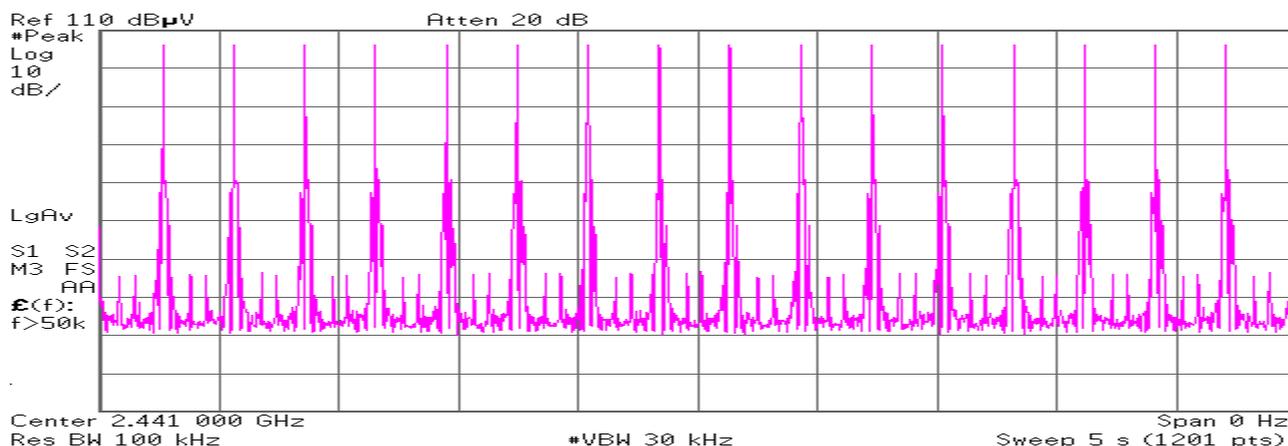
**Count 1**

Agilent 13:18:50 5 Jan 2009



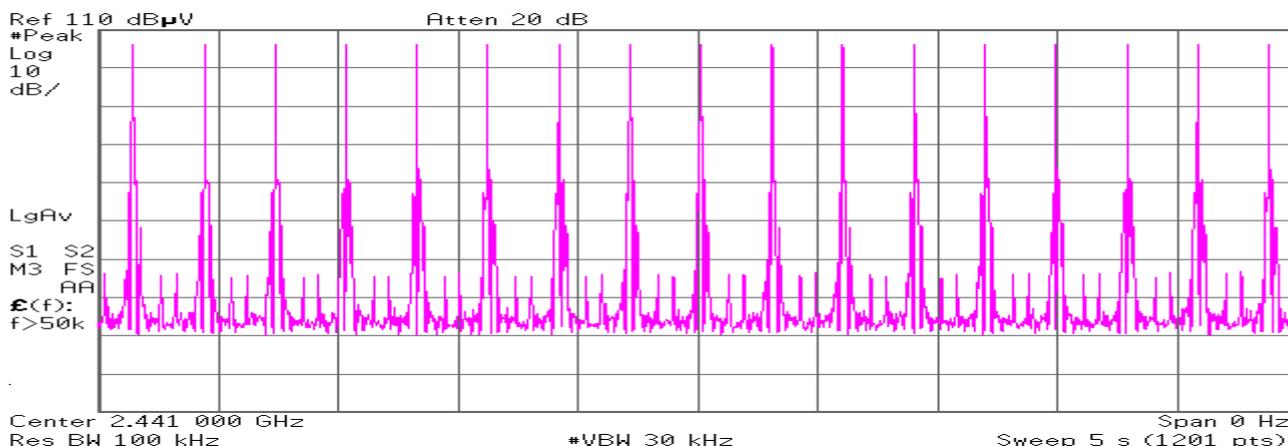
**Count 2**

Agilent 13:19:28 5 Jan 2009



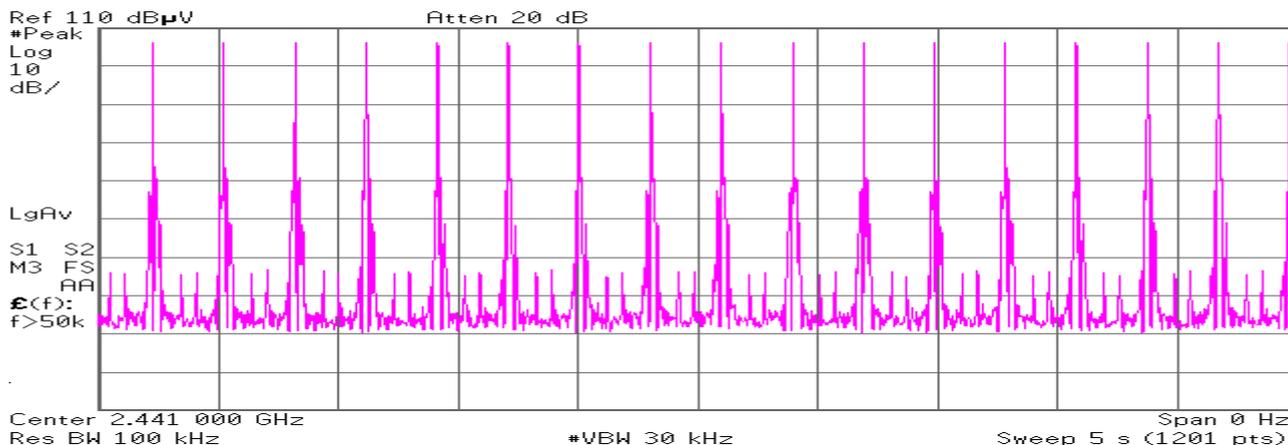
**Count 3**

Agilent 13:20:02 5 Jan 2009



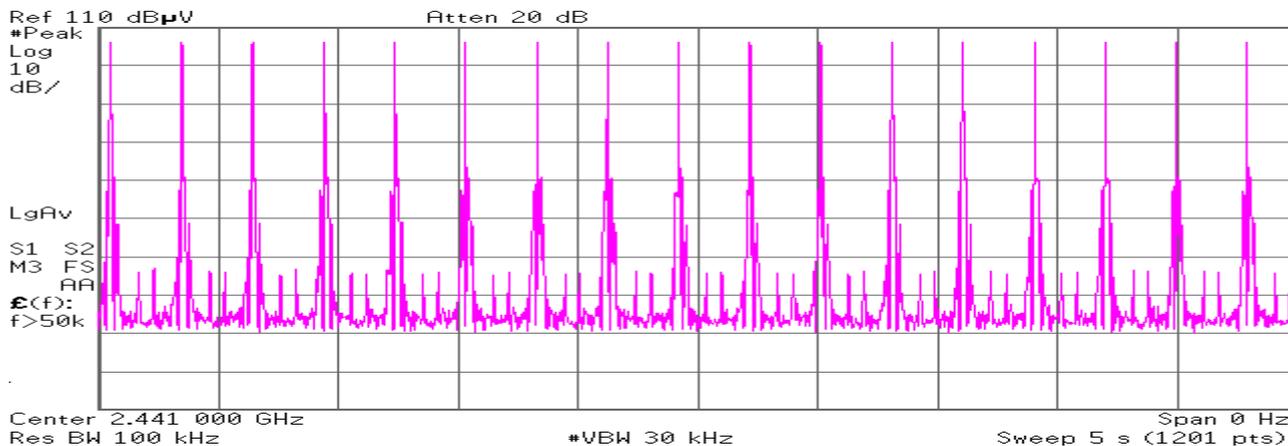
**Count 4**

Agilent 13:20:38 5 Jan 2009



**Count 5**

Agilent 13:21:44 5 Jan 2009



**Duty cycle(Hopping DH3)**

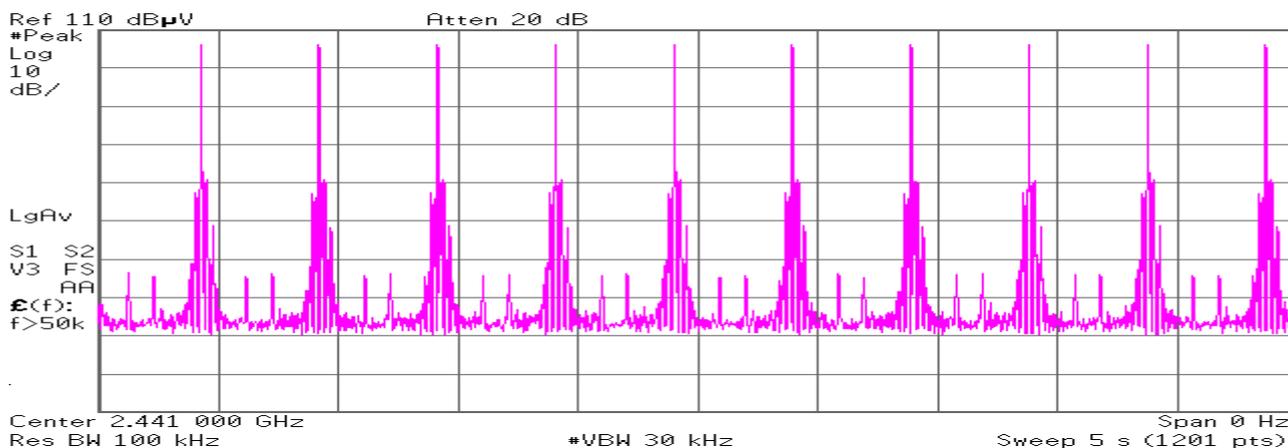


Average times of rising in 5 sec. of sweep = (17 + 16 + 17+ 17 + 17) / 5 = 16.8  
 Average times of rising in 1 sec. = 16.8 / 5s = 3.36  
 Average times of rising in 0.4x = 0.4 \* 79ch \* 3.36= 106.176  
 Dwell time = 106.18 \* 1.60 = 169.888 [ms]  
 Limit : Dwell Time < 0.4[s]

**Hopping (DHS):**

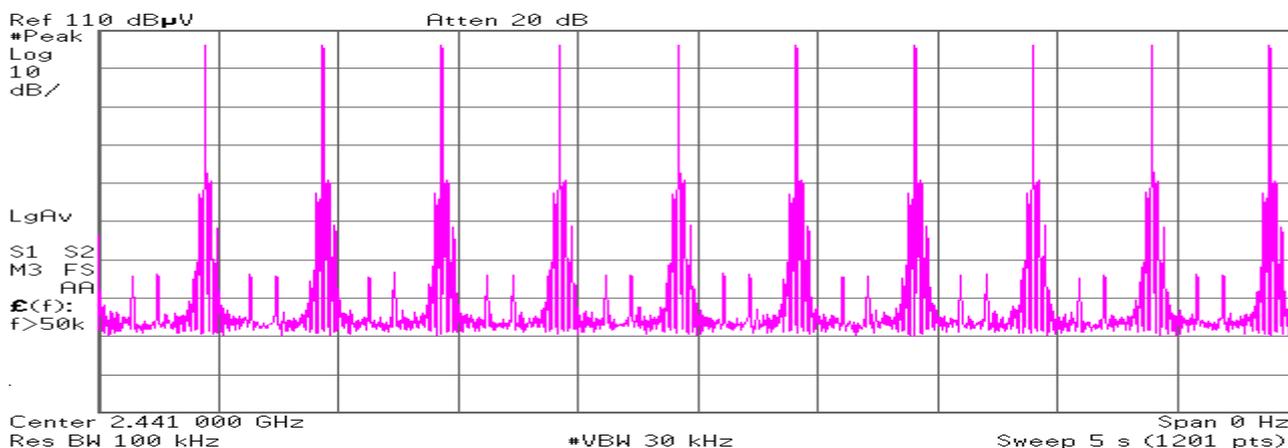
**Count 1**

Agilent 13:24:44 5 Jan 2009



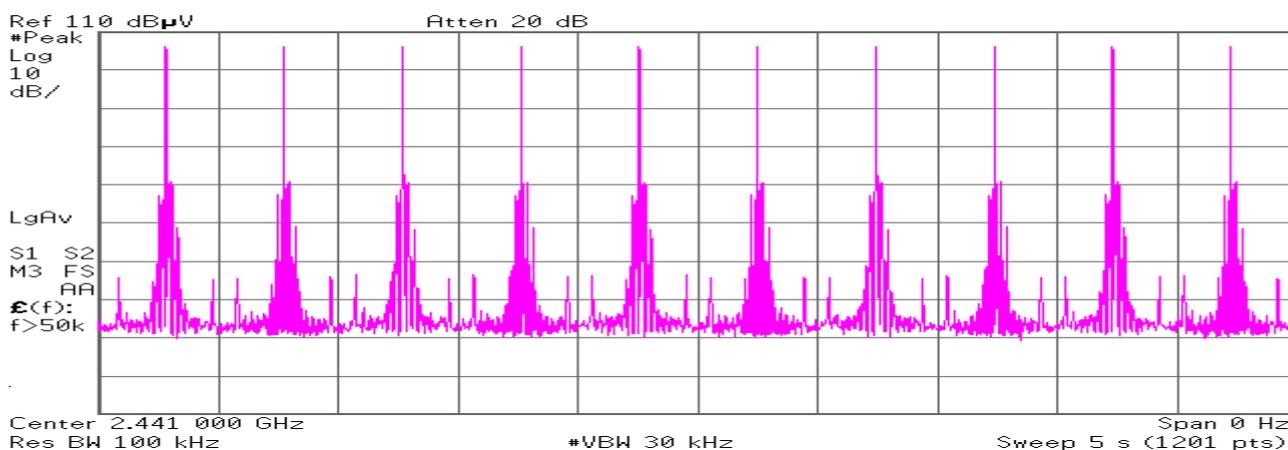
**Count 2**

Agilent 13:25:15 5 Jan 2009



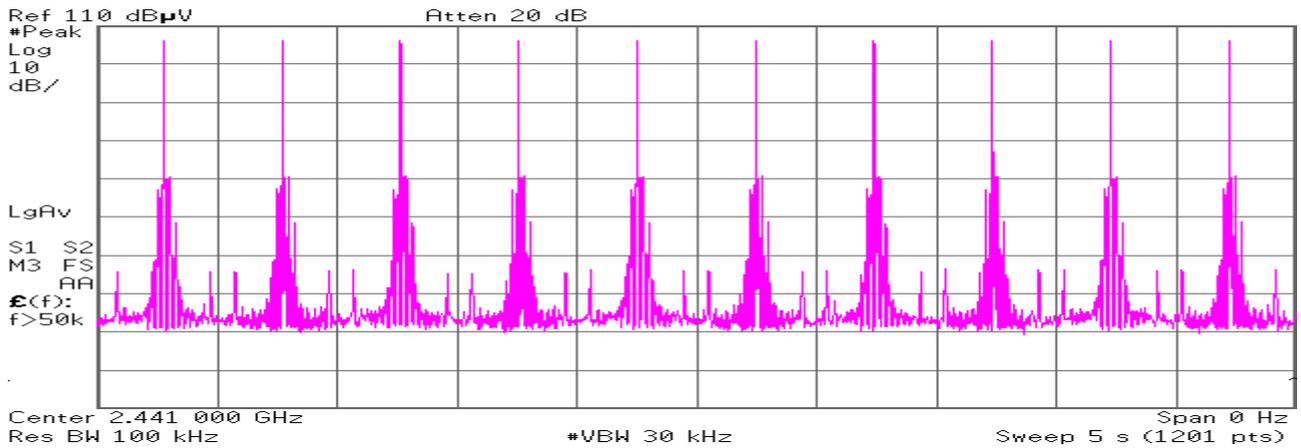
**Count 3**

Agilent 13:26:10 5 Jan 2009



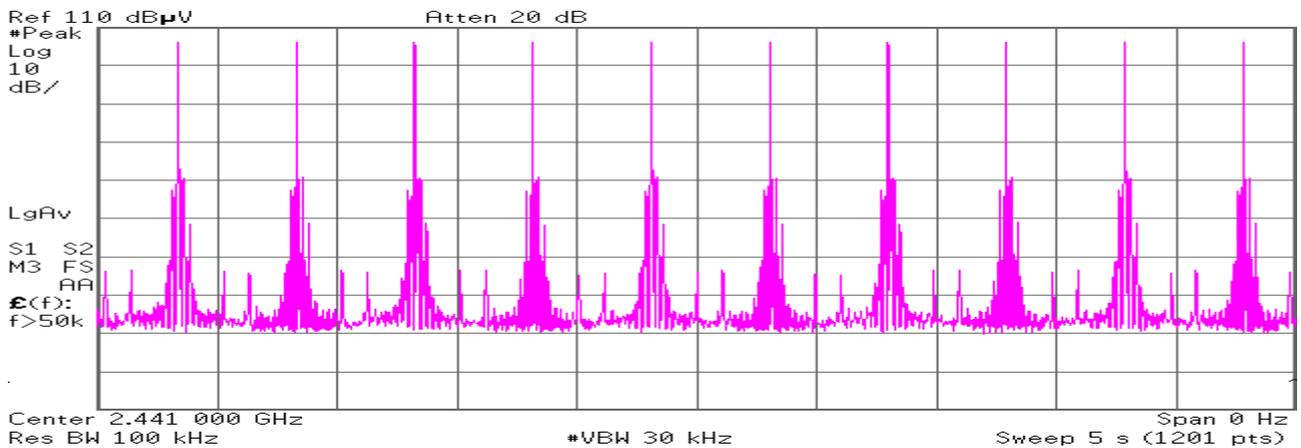
**Count 4**

Agilent 13:26:32 5 Jan 2009



**Count 5**

Agilent 13:27:13 5 Jan 2009



**Duty cycle(Hopping DH5)**

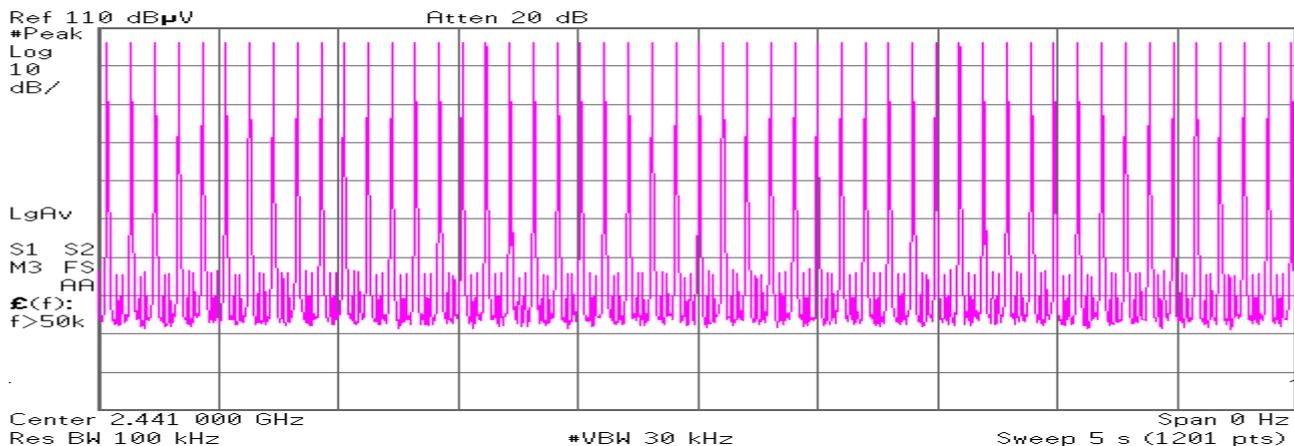


Average times of rising in 5 sec. of sweep =  $(10 + 10 + 10 + 10 + 10) / 5 = 10$   
 Average times of rising in 1 sec. =  $10 / 5s = 2$   
 Average times of rising in 0.4x =  $0.4 * 79ch * 2 = 63.2$   
 Dwell time =  $63.2 * 2.92 = 184.544 [ms]$   
 Limit : Dwell Time < 0.4[s]

**Hopping (3DH1):**

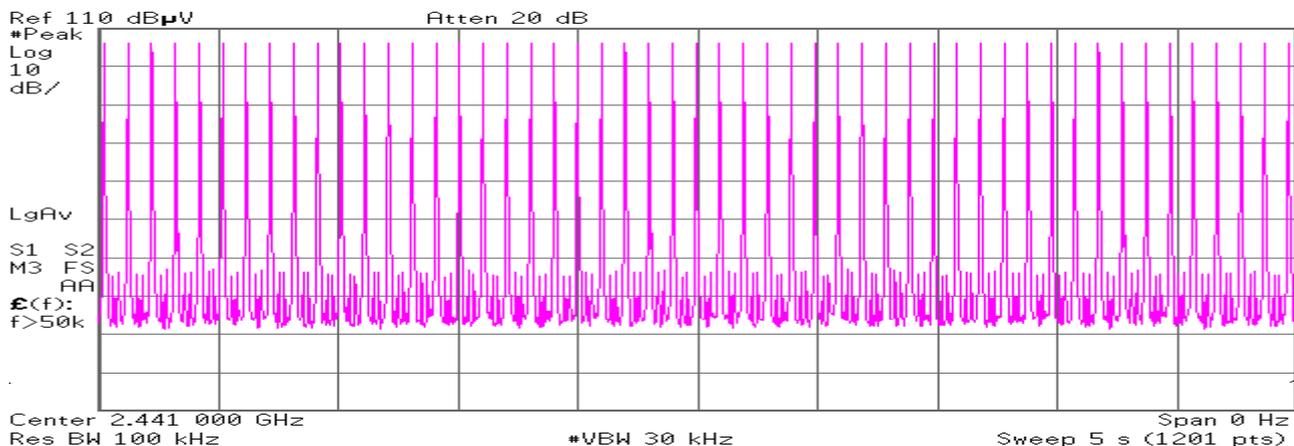
**Count 1**

Agilent 13:30:54 5 Jan 2009



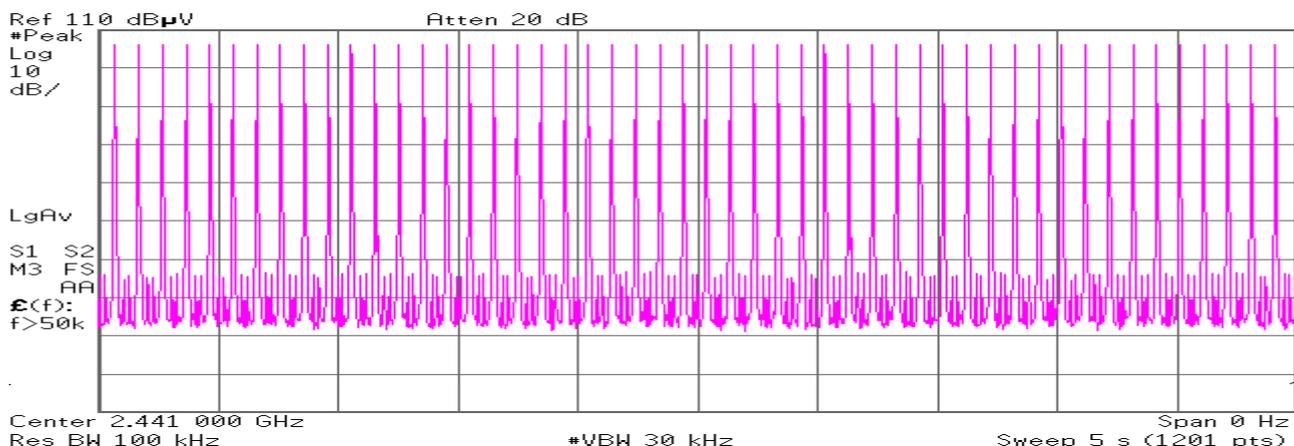
**Count 2**

Agilent 13:31:50 5 Jan 2009



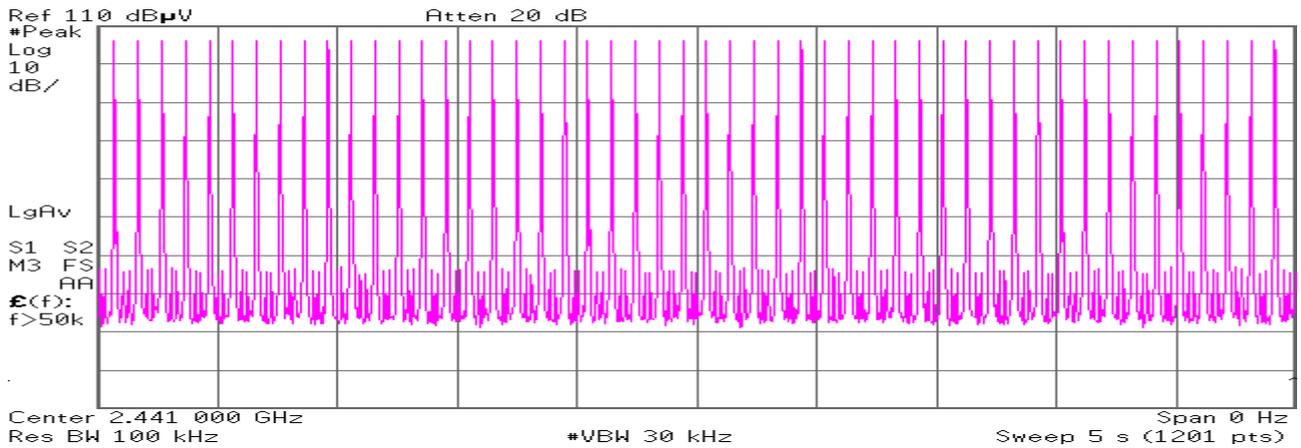
**Count 3**

Agilent 13:32:16 5 Jan 2009



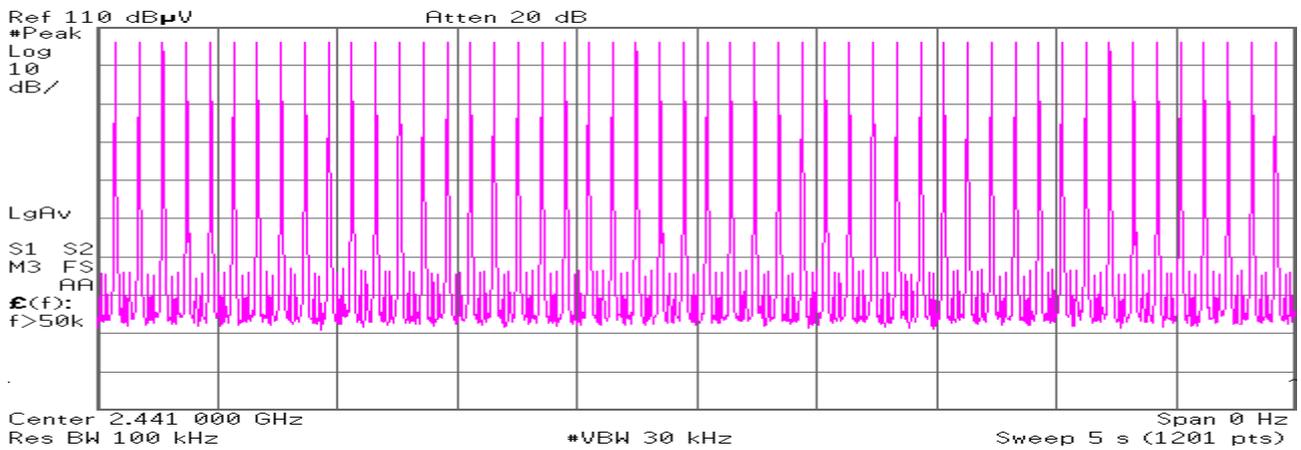
**Count 4**

Agilent 13:30:34 5 Jan 2009

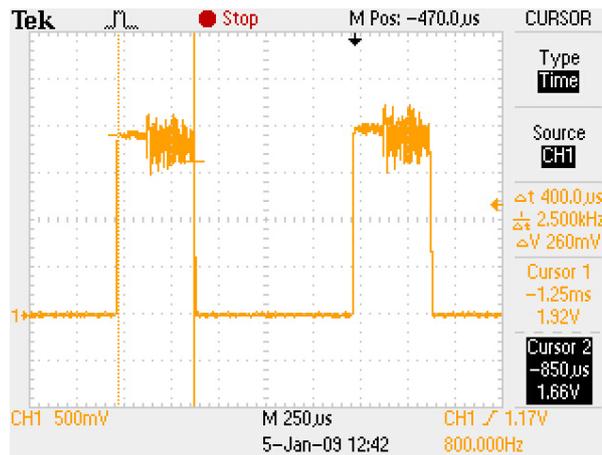


**Count 5**

Agilent 13:31:22 5 Jan 2009



**Duty cycle(Hopping 3DH1)**



Average times of rising in 5 sec. of sweep =  $(51 + 51 + 50 + 50 + 50) / 5 = 50.4$

Average times of rising in 1 sec. =  $50.4 / 5s = 10.08$

Average times of rising in 0.4x =  $0.4 * 79ch * 10.08 = 318.528$

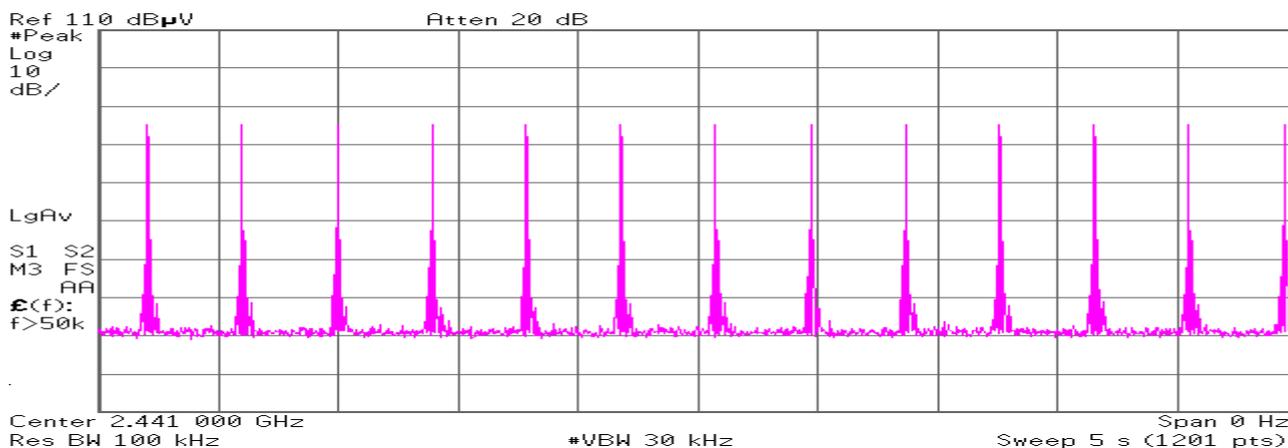
Dwell time =  $318.53 * 0.4 = 127.412 [ms]$

Limit : Dwell Time < 0.4[s]

**Hopping (3DH3):**

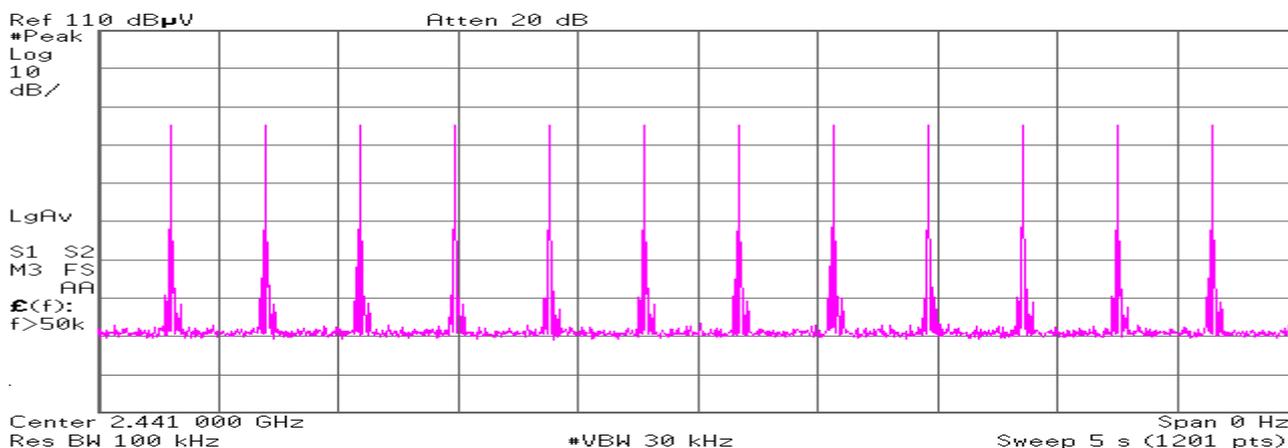
**Count 1**

Agilent 16:13:41 5 Jan 2009



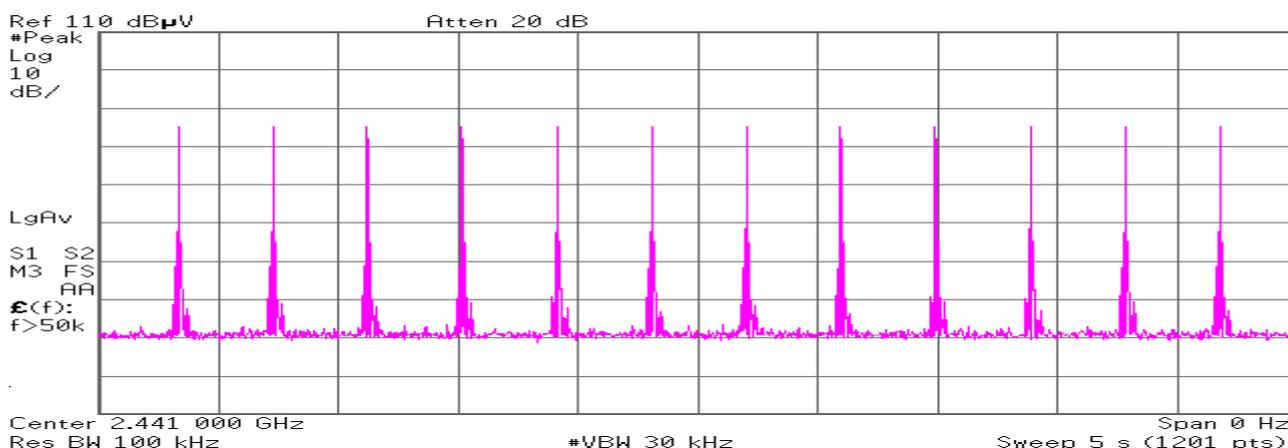
**Count 2**

Agilent 16:14:20 5 Jan 2009



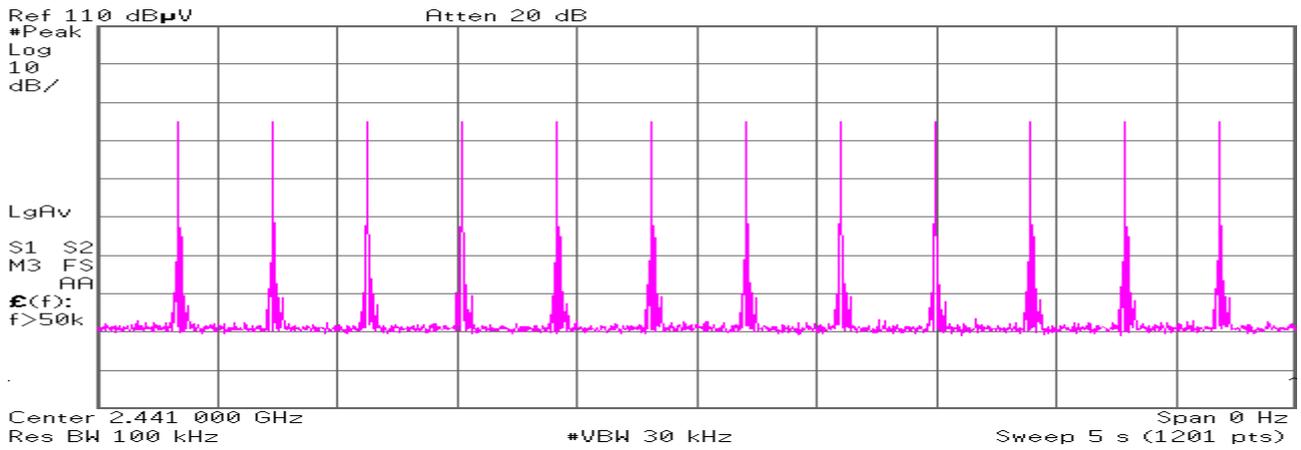
**Count 3**

Agilent 16:14:46 5 Jan 2009



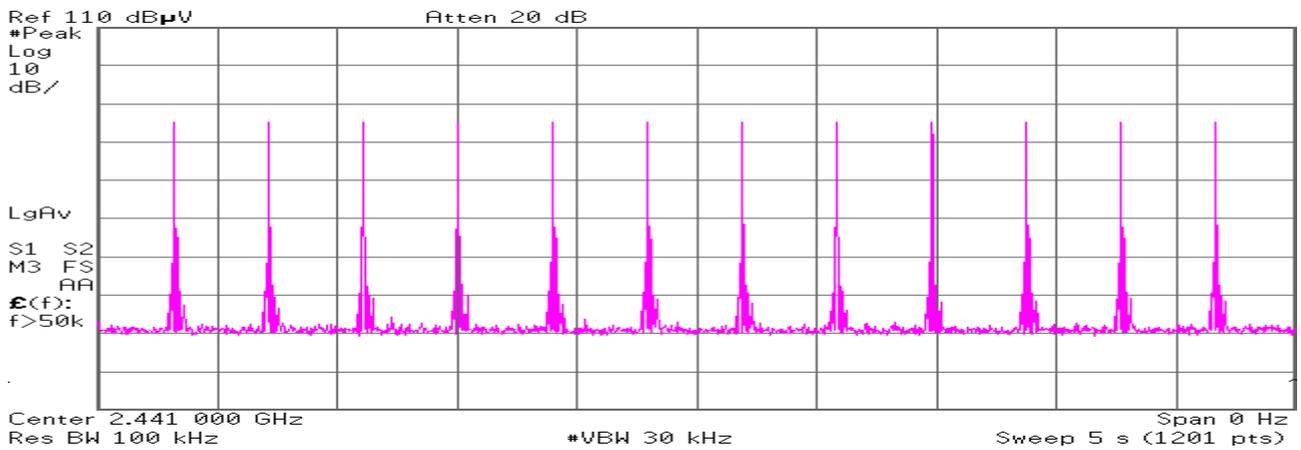
**Count 4**

Agilent 16:09:02 5 Jan 2009



**Count 5**

Agilent 16:10:17 5 Jan 2009



**Duty cycle(Hopping 3DH3)**

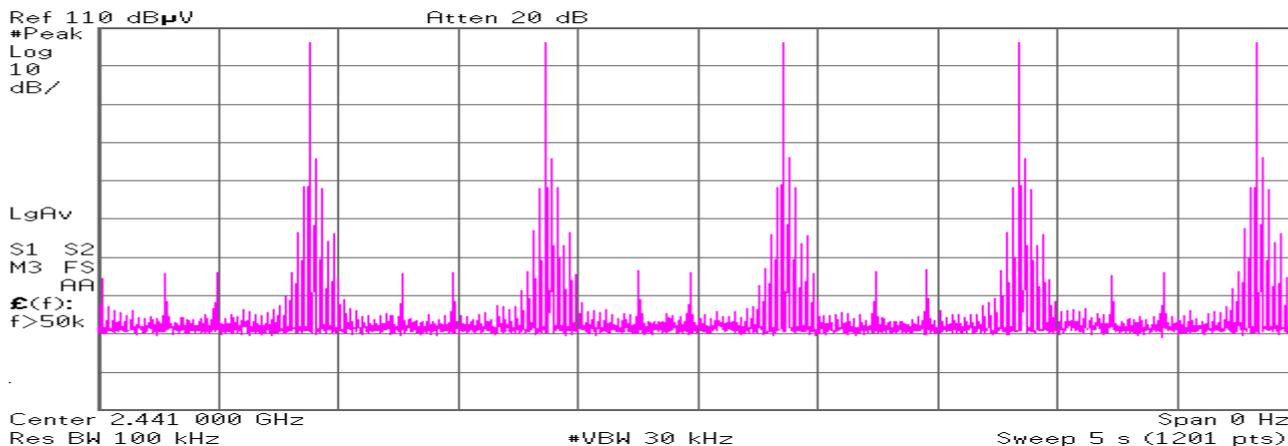


Average times of rising in 5 sec. of sweep =  $(13 + 12 + 12 + 12 + 12) / 5 = 12.2$   
 Average times of rising in 1 sec. =  $12.2 / 5s = 2.44$   
 Average times of rising in 0.4x =  $0.4 * 79ch * 2.44 = 77.104$   
 Dwell time =  $77.1 * 1.6 = 123.36 [ms]$   
 Limit : Dwell Time < 0.4[s]

**Hopping (3DH5):**

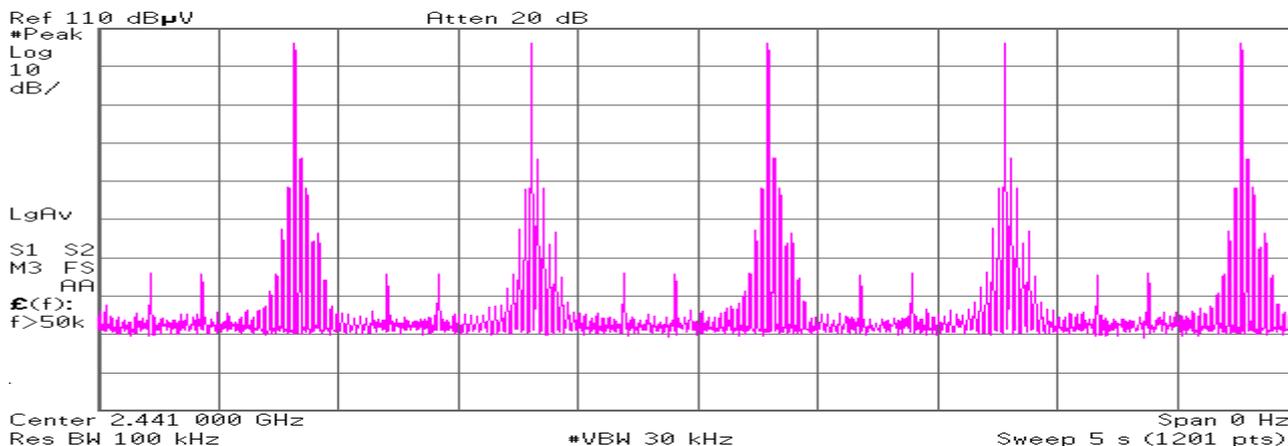
**Count 1**

Agilent 13:40:27 5 Jan 2009



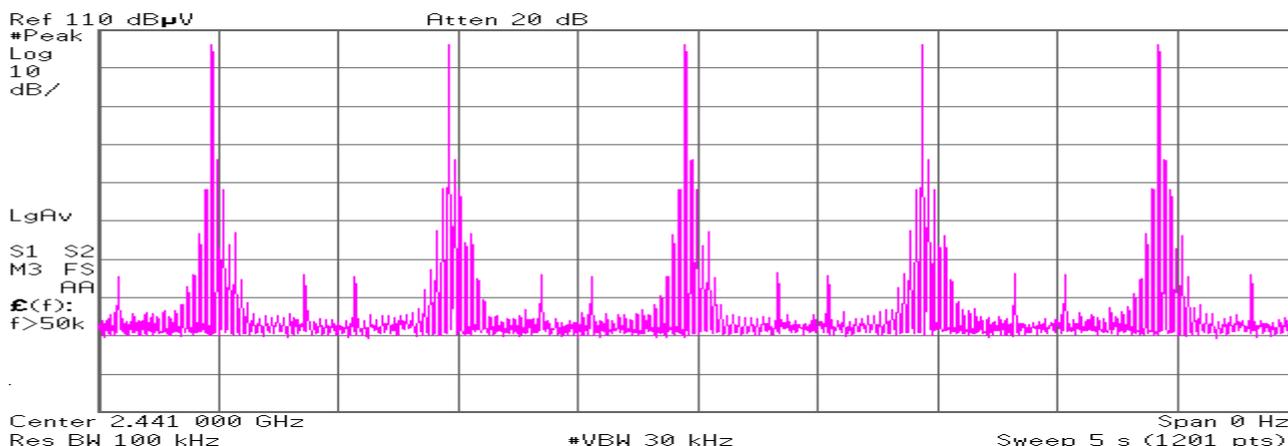
**Count 2**

Agilent 13:40:46 5 Jan 2009



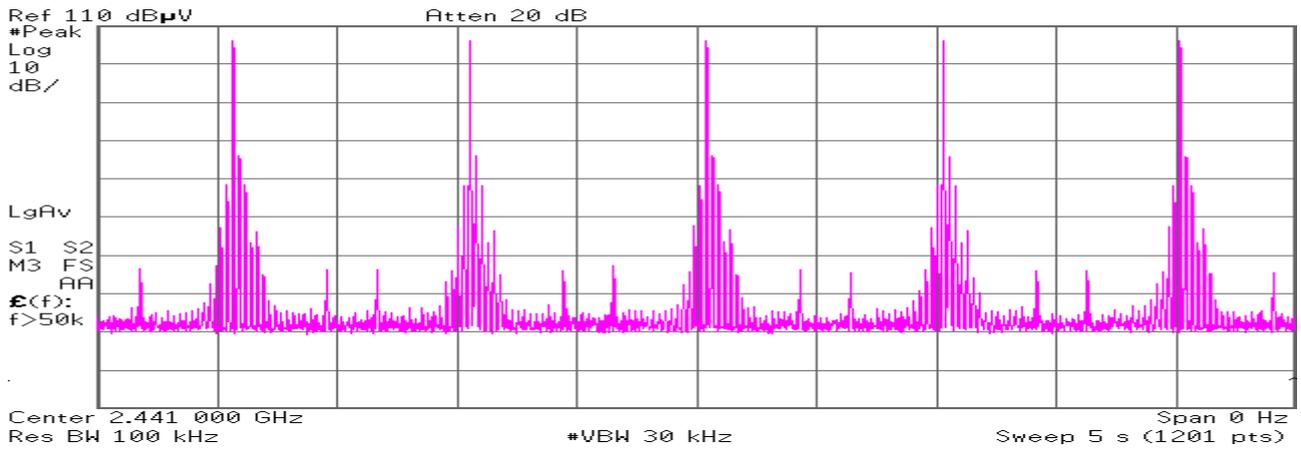
**Count 3**

Agilent 13:41:09 5 Jan 2009



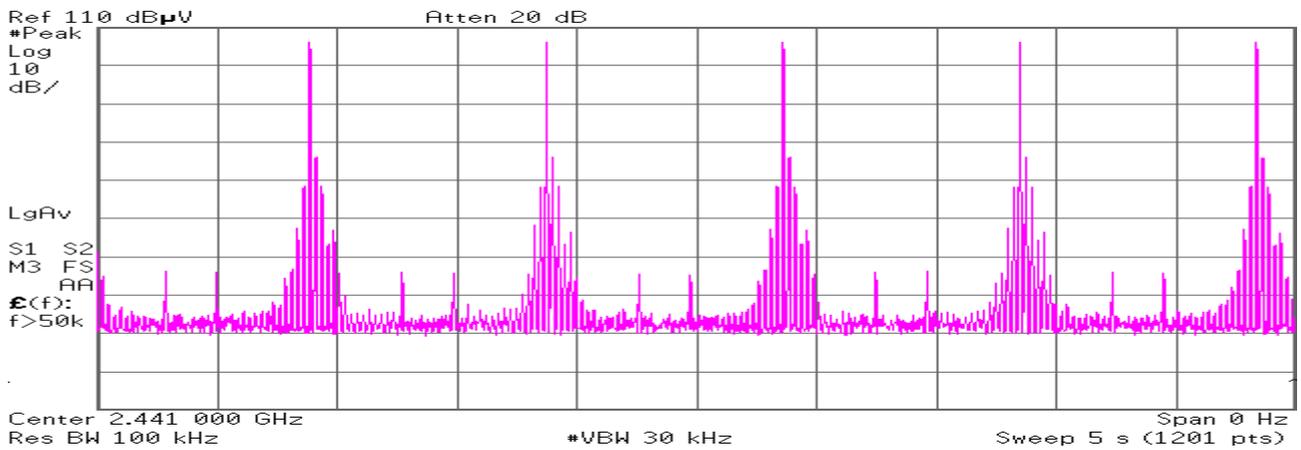
**Count 4**

Agilent 13:41:31 5 Jan 2009

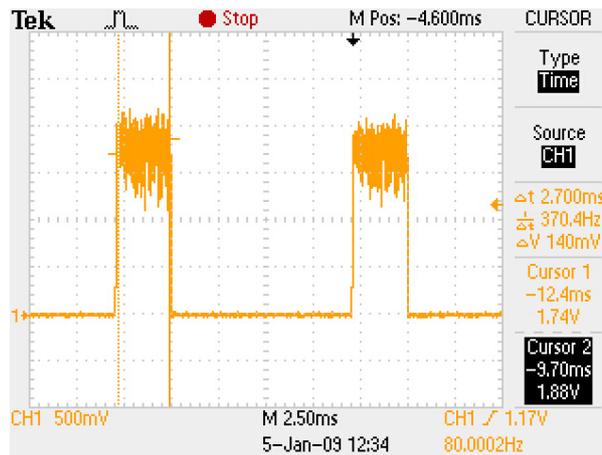


**Count 5**

Agilent 13:42:01 5 Jan 2009



**Duty cycle(Hopping 3DH5)**



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

Average times of rising in 1 sec. = 5 / 5s = 1.0

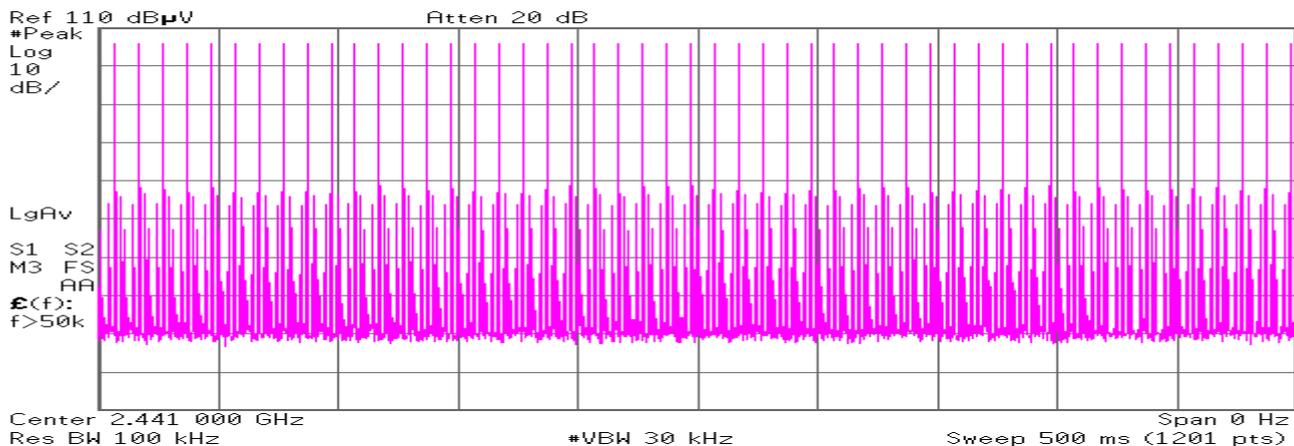
Average times of rising in 0.4x = 0.4 \* 79ch \* 1.0 = 31.6

Dwell time = 31.6 \* 2.7 = 85.32 [ms]

Limit : Dwell Time < 0.4[s]

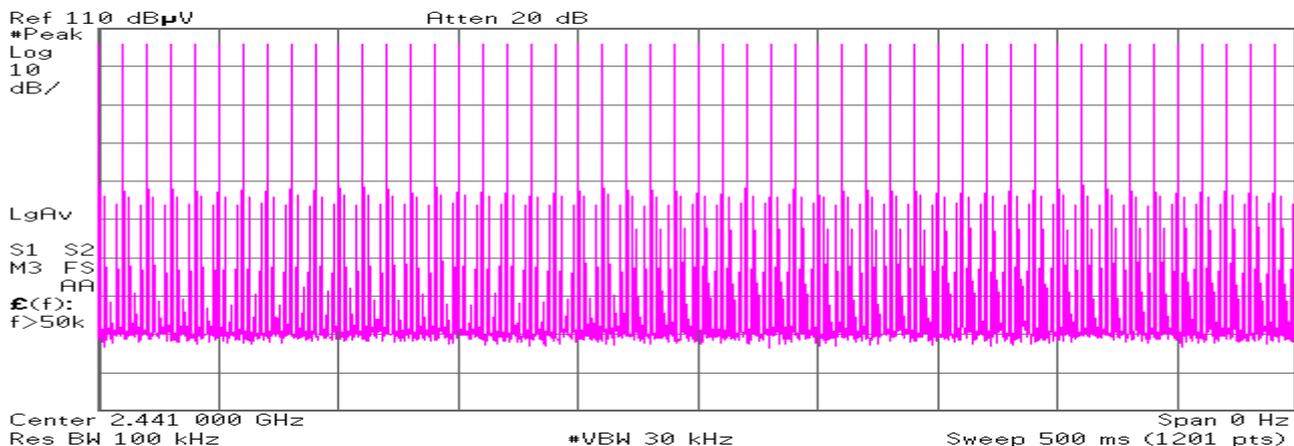
**Inquiry:**  
**Count 1**

Agilent 15:34:16 5 Jan 2009



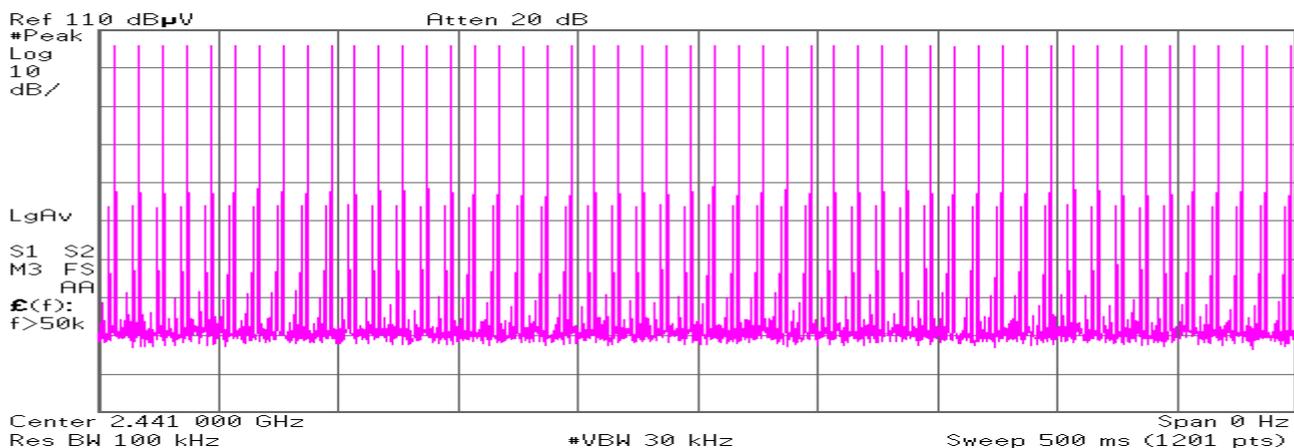
**Count 2**

Agilent 15:34:53 5 Jan 2009



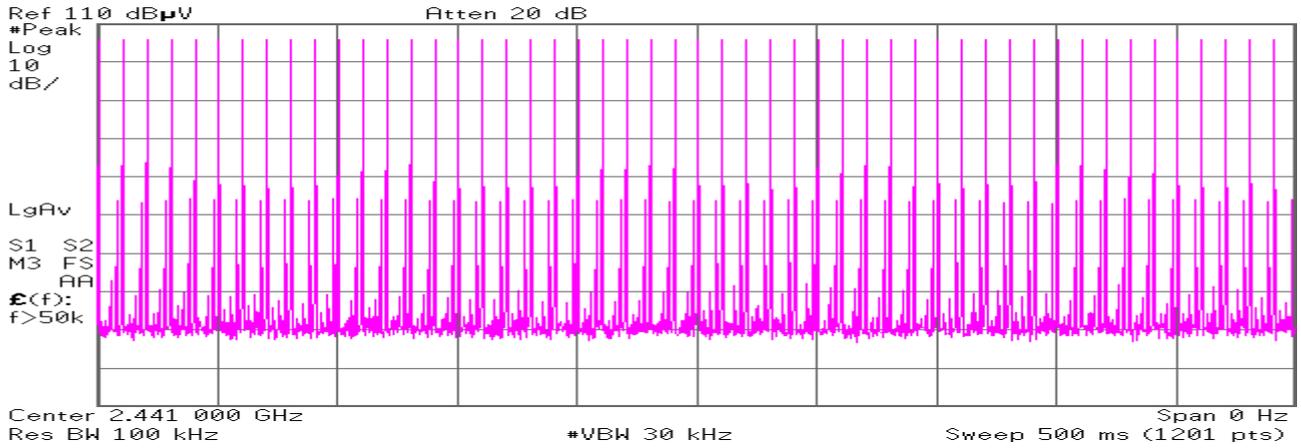
**Count 3**

Agilent 15:35:08 5 Jan 2009



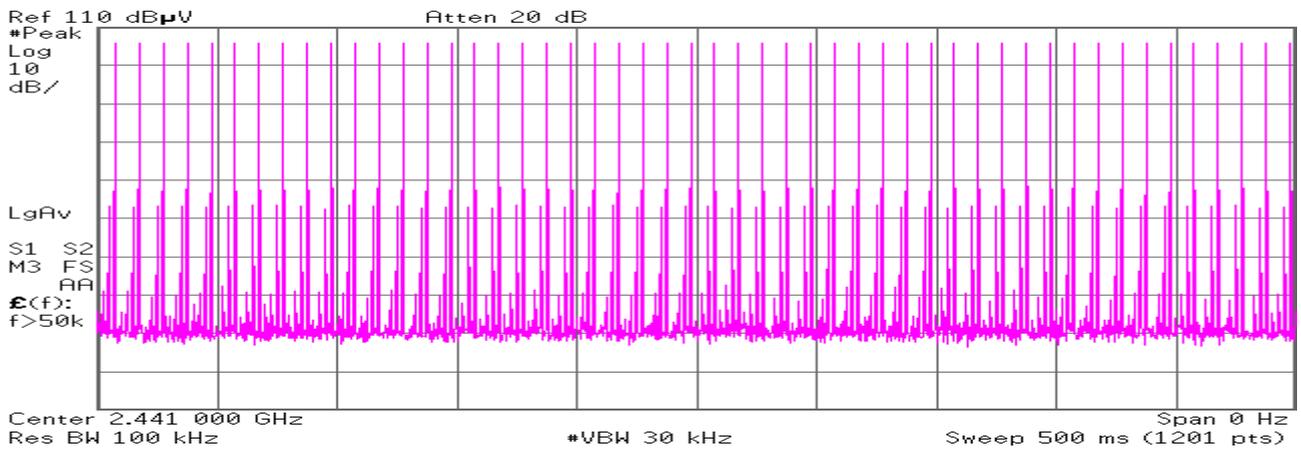
**Count 4**

Agilent 15:35:31 5 Jan 2009

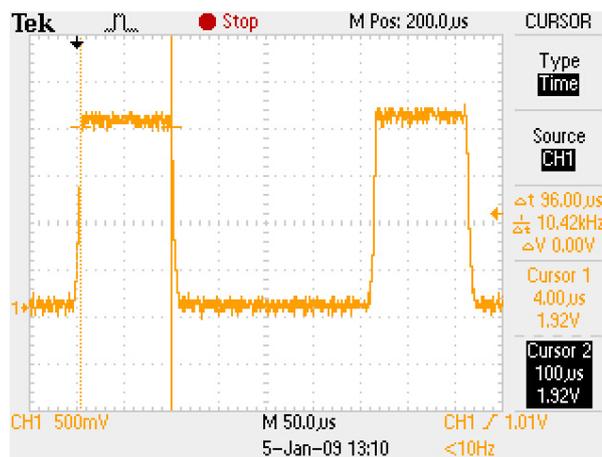


**Count 5**

Agilent 15:36:13 5 Jan 2009



**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. =  $50.0 / 0.5s = 100.0$   
 Average times of rising in 0.4x =  $0.4 * 32ch * 100.0 = 1280.0$   
 Dwell time =  $1280.0 * 0.096 = 122.88 [ms]$   
 Limit : Dwell Time < 0.4[s]

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

UL Japan, Inc Yamakita EMC lab.  
 No.5 Shielded Room

DATE: 2009/1/5  
 TEMP./HUMID.: 15deg.C/47%  
 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	-0.22	0.77	0.55	20.96	20.41
Mid	2441.00	0.25	0.77	1.02	20.96	19.94
High	2480.00	0.56	0.80	1.36	20.96	19.60
Inquiry	-	0.44	0.77	1.21	20.96	19.75

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:KCC-D21

2DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	0.45	0.77	1.22	20.96	19.74
Mid	2441.00	1.07	0.77	1.84	20.96	19.12
High	2480.00	1.06	0.80	1.86	20.96	19.10

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:KCC-D21

3DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	0.50	0.77	1.27	20.96	19.69
Mid	2441.00	1.00	0.77	1.77	20.96	19.19
High	2480.00	1.03	0.80	1.83	20.96	19.13

Limit: 125mW=20.96dBm

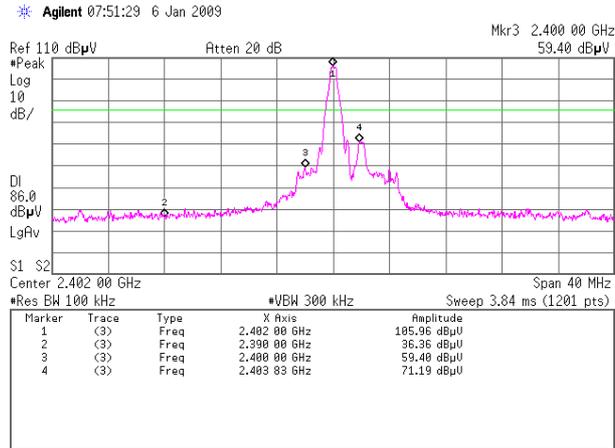
P/M: Power Meter

CABLE LOSS:KCC-D21

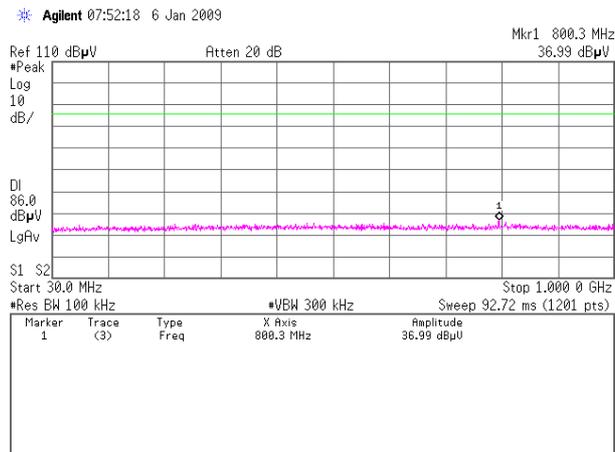
**Out of Band Emission (Antenna Terminal Conducted) (Regulation: FCC 15.247(d))**

UL Japan, Inc. Yamakita EMC lab. No.4 shielded room  
 Date: 2009/1/6  
 Temp/Humid: 18 deg. C. / 36 %  
 Engineer: Tatsuya Arai  
 Test mode: Transmitting

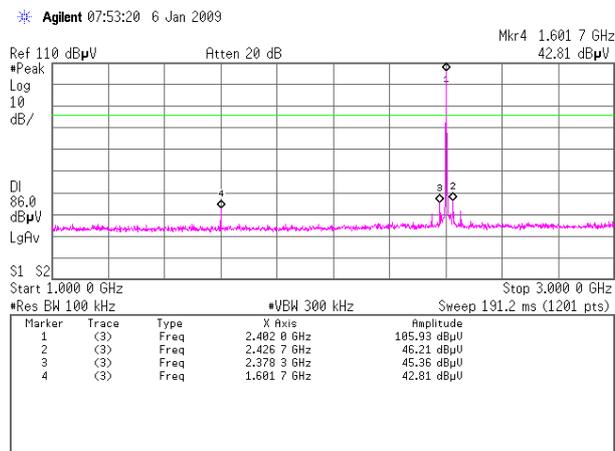
[Transmitting DH5]  
 Ch:2402MHz  
 1.



2.

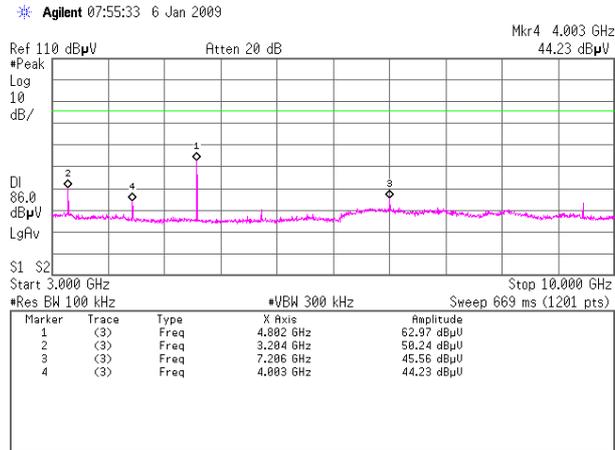


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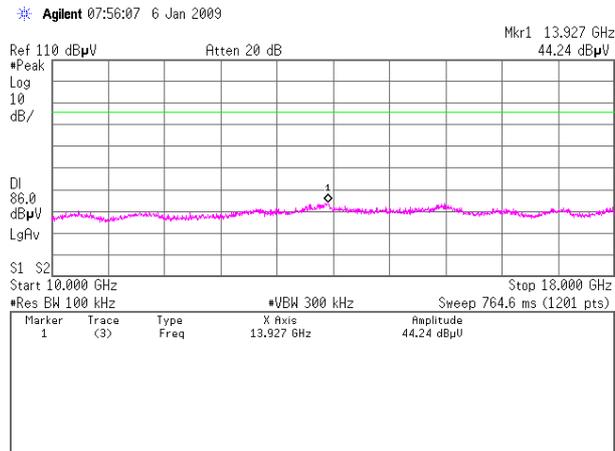


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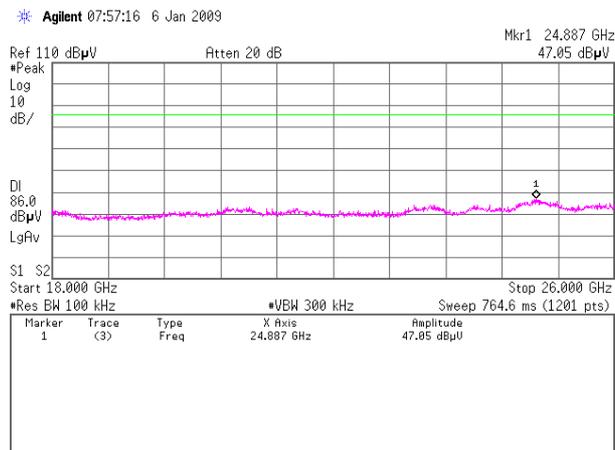
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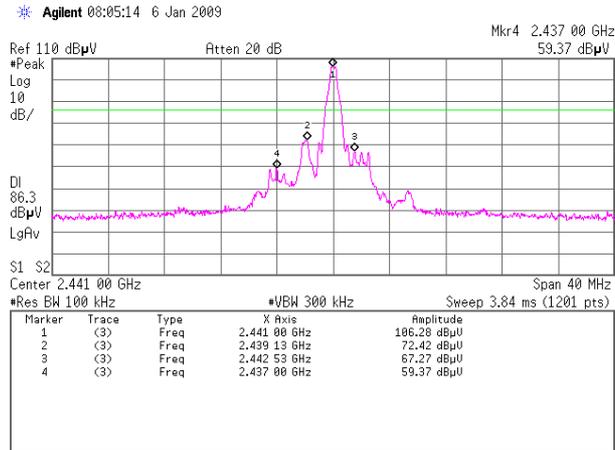


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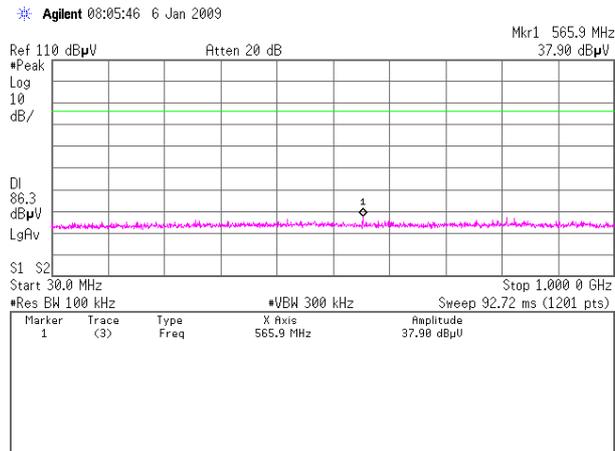


[Transmitting DH5]  
Ch:2441MHz

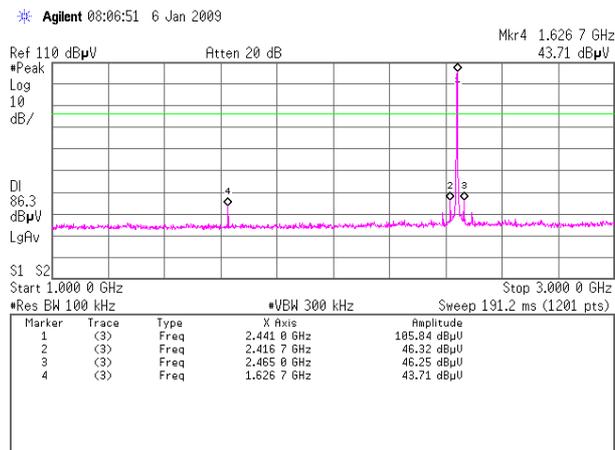
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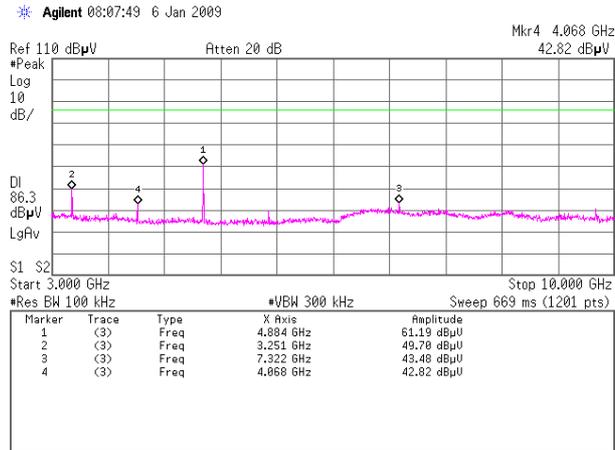


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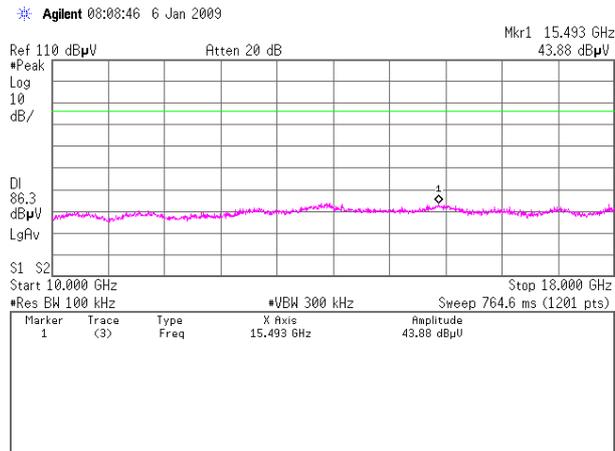


[Transmitting DH5]  
Ch:2441MHz

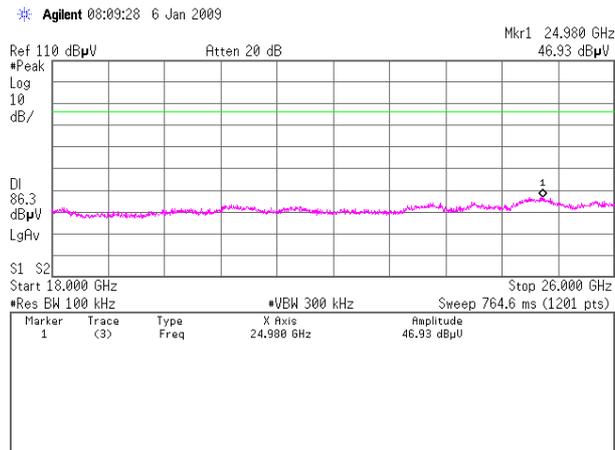
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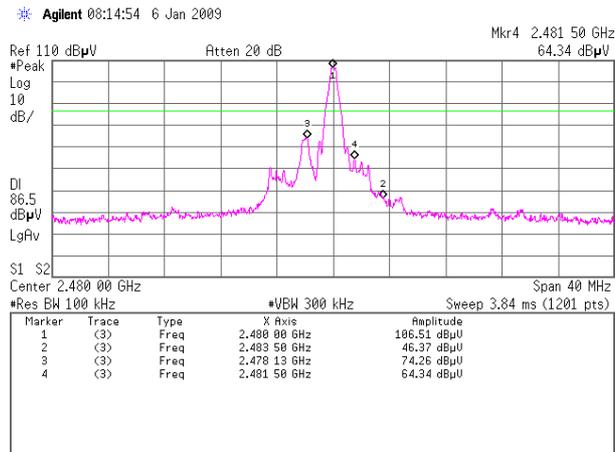


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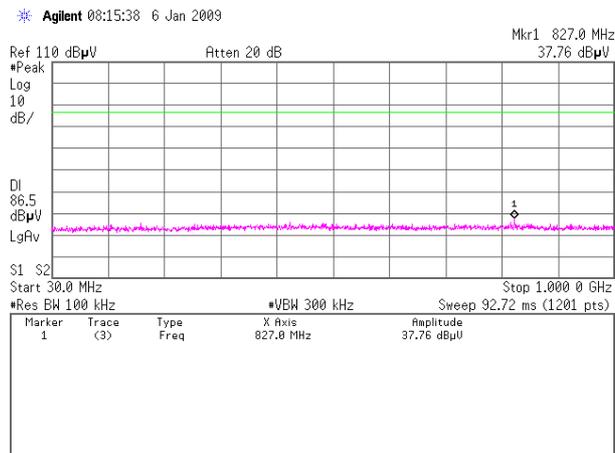


[Transmitting DH5]  
Ch:2480MHz

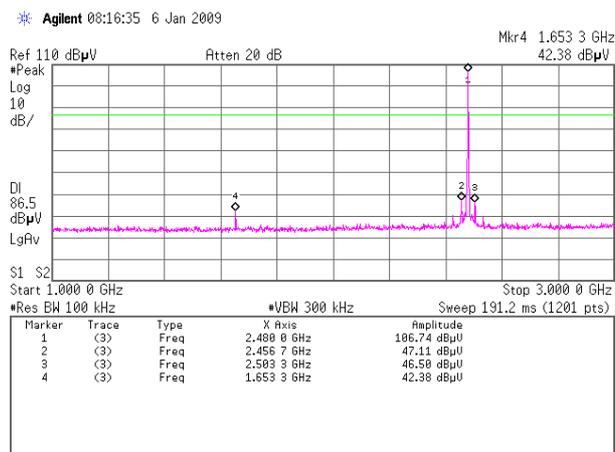
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2.

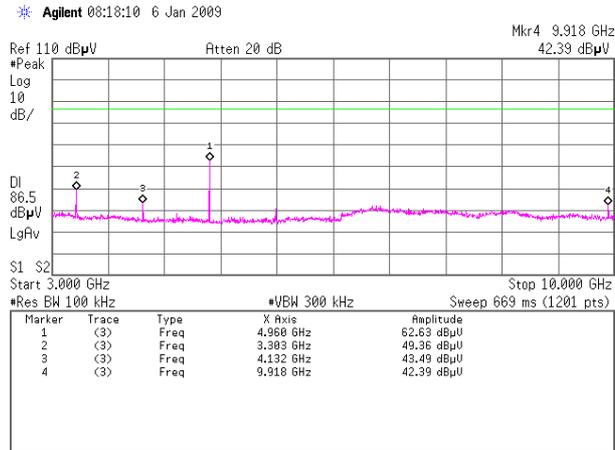


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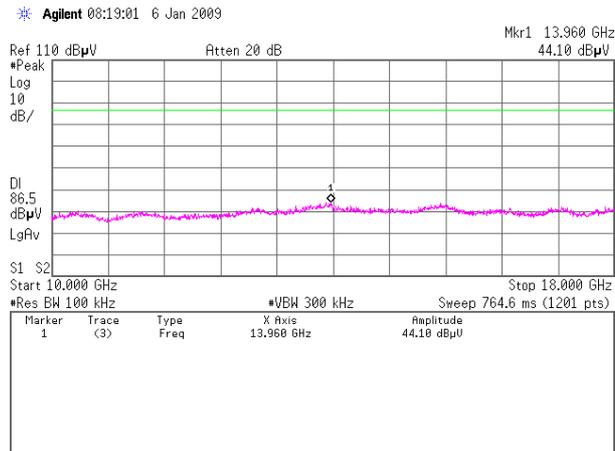


[Transmitting DH5]  
Ch:2480MHz

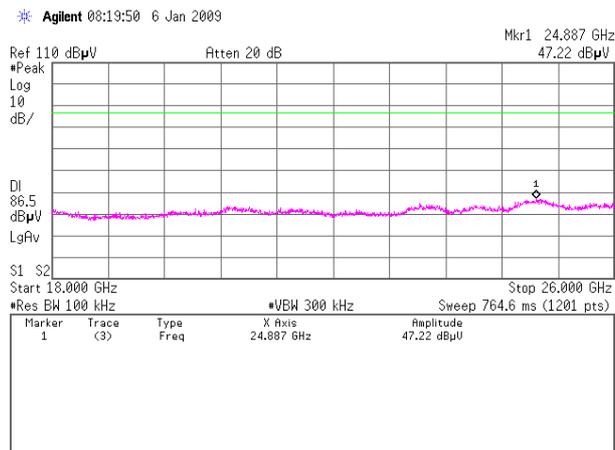
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5.

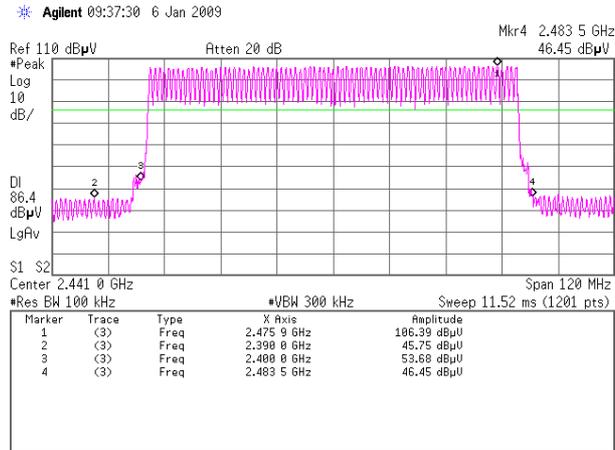


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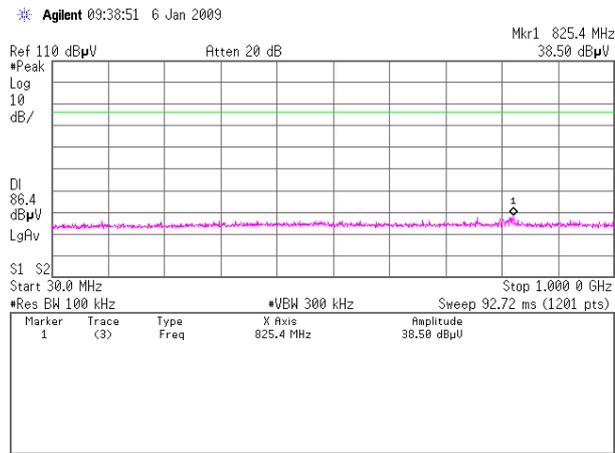


[Transmitting DH5]  
Hopping

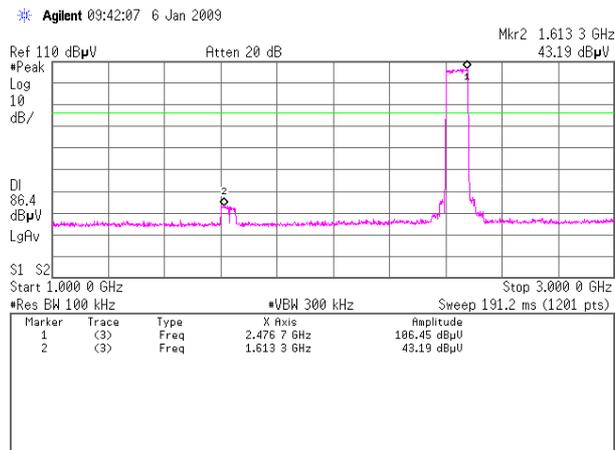
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2.

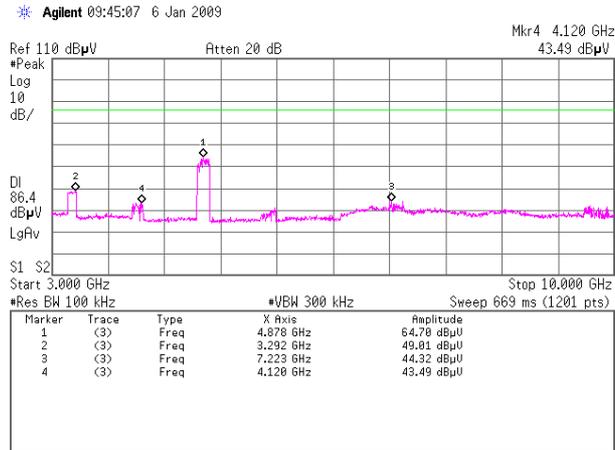


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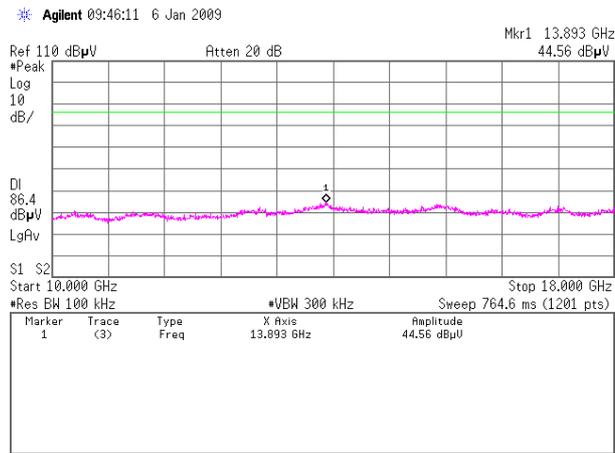


[Transmitting DH5]  
Hopping

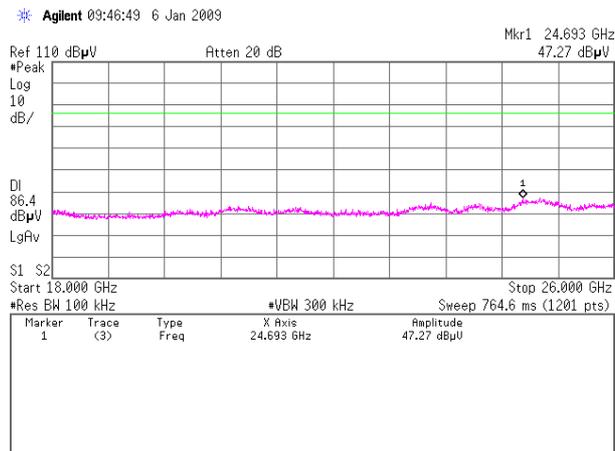
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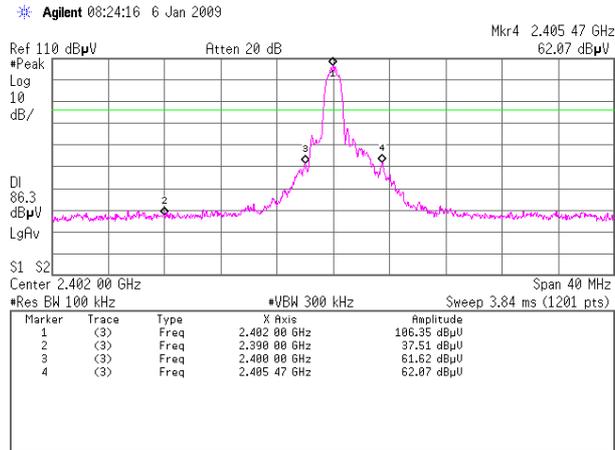


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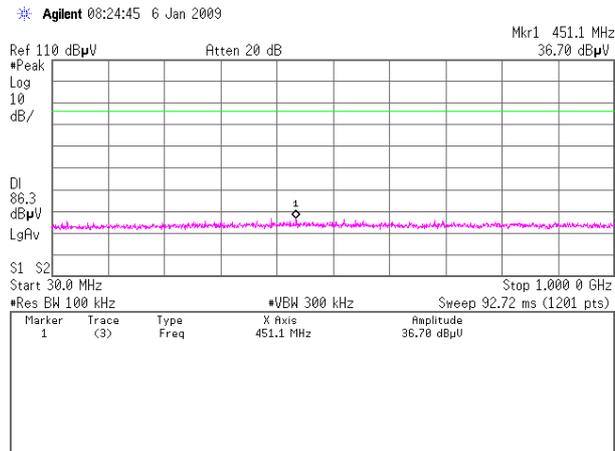


[Transmitting 3DH5]  
 Ch:2402MHz

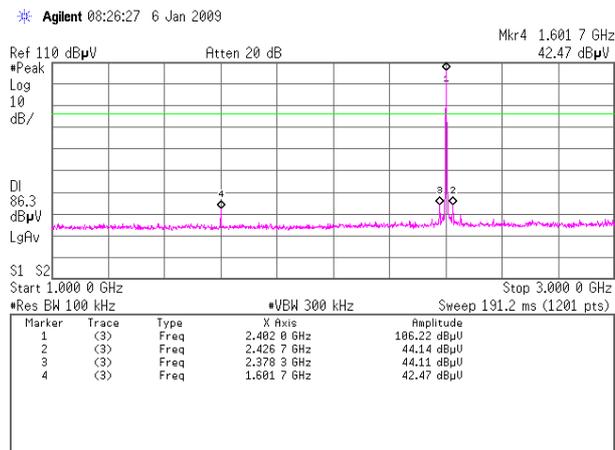
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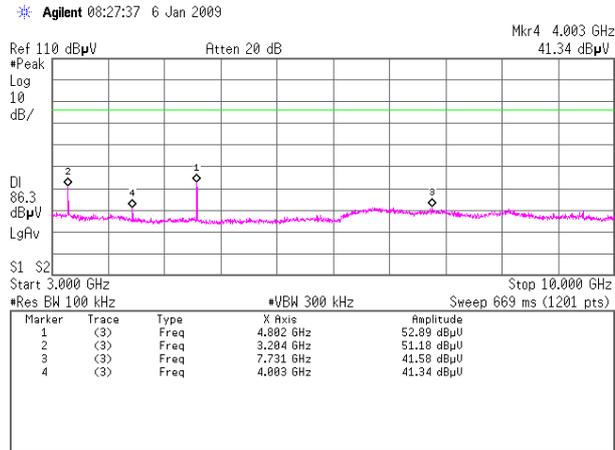


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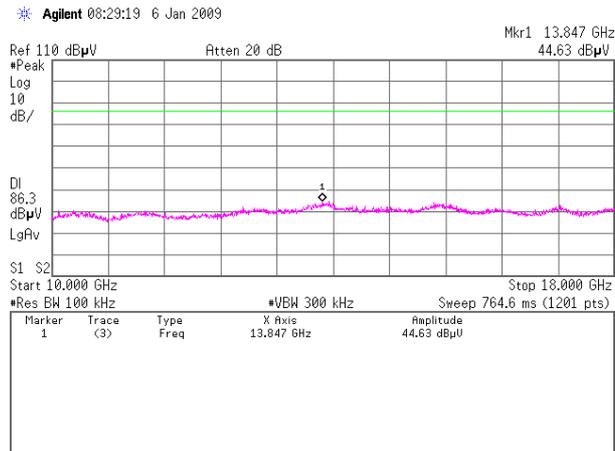


[Transmitting 3DH5]  
 Ch:2402MHz

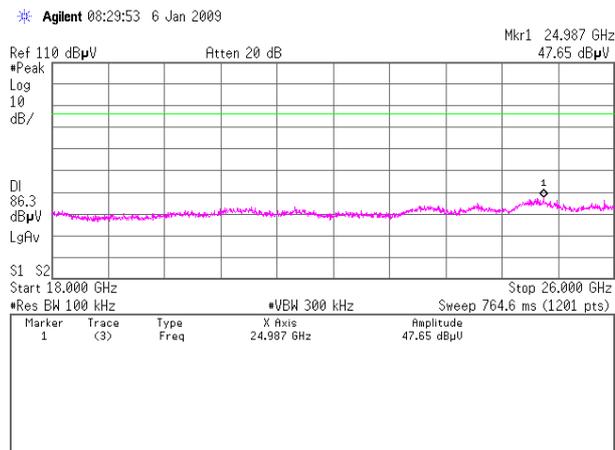
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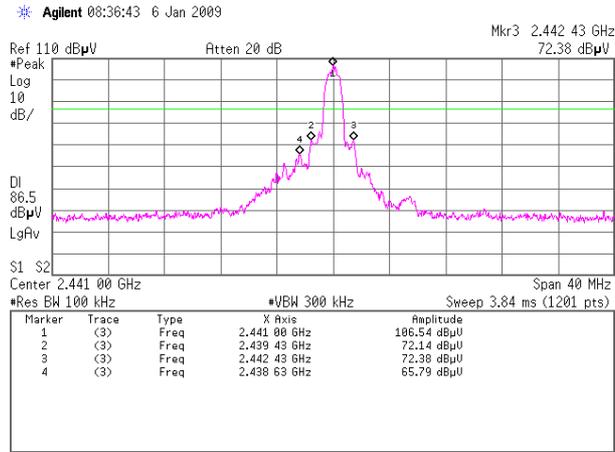


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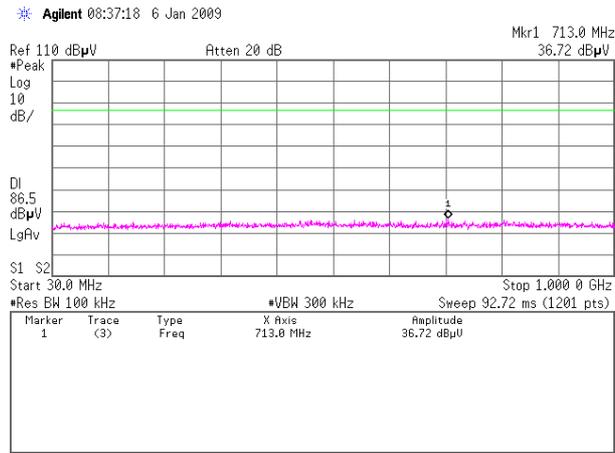


[Transmitting 3DH5]  
 Ch:2441MHz

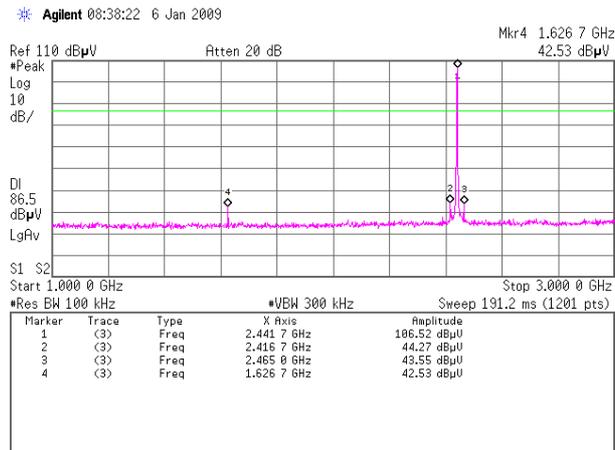
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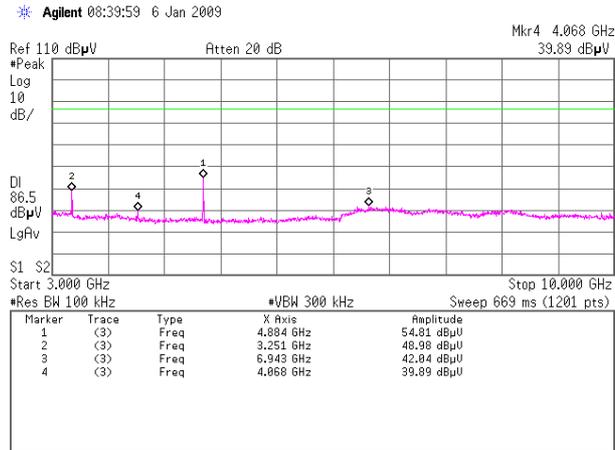


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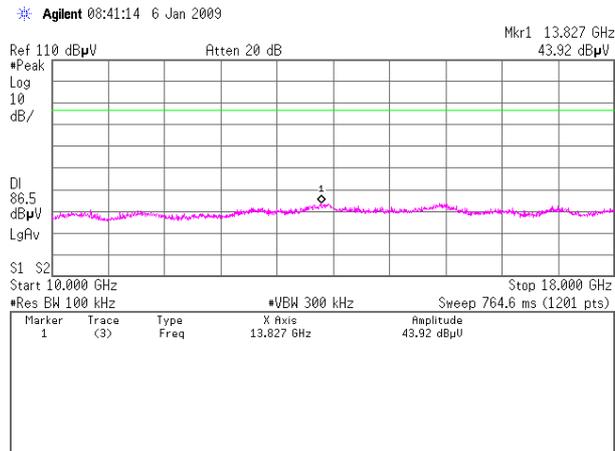


[Transmitting 3DH5]  
 Ch:2441MHz

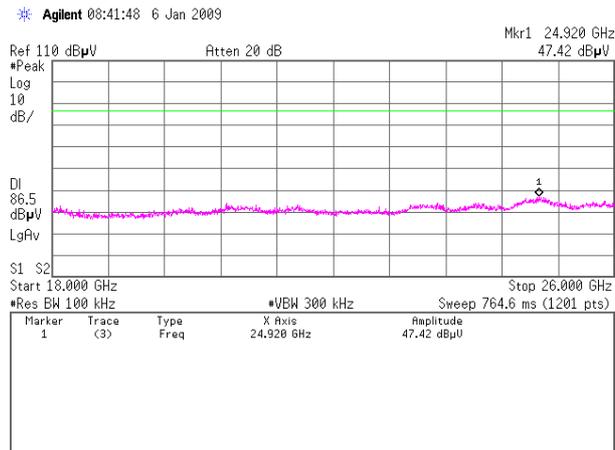
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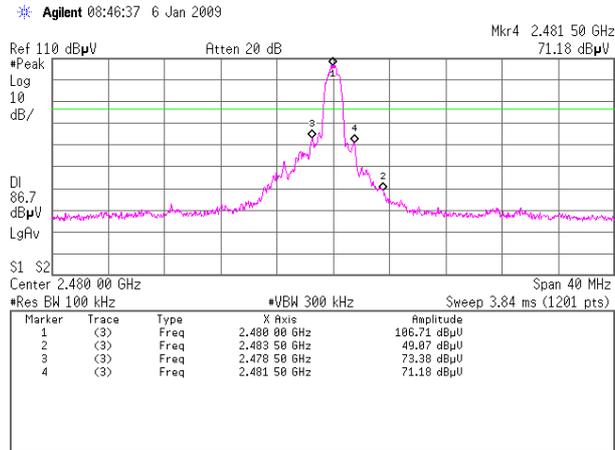


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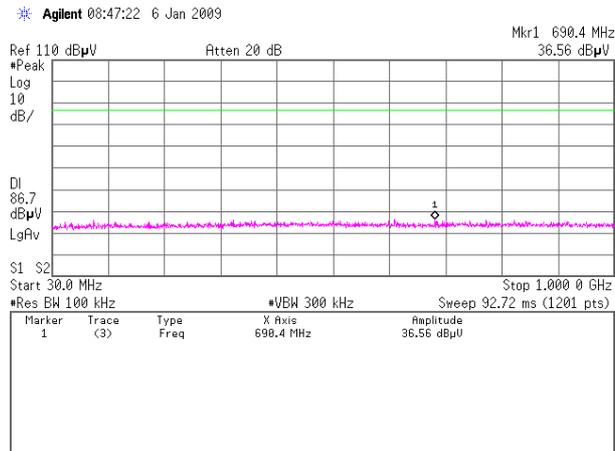


[Transmitting 3DH5]  
 Ch:2480MHz

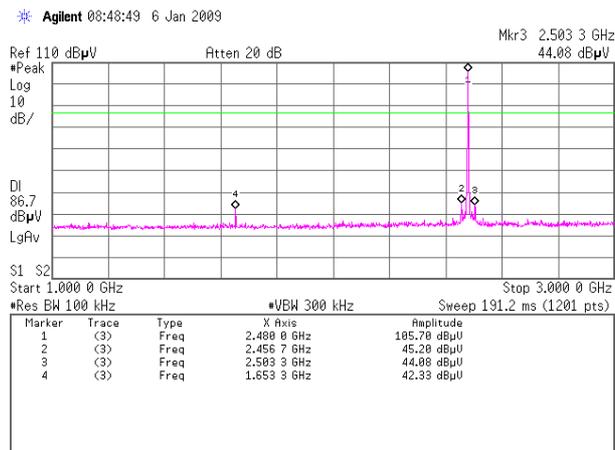
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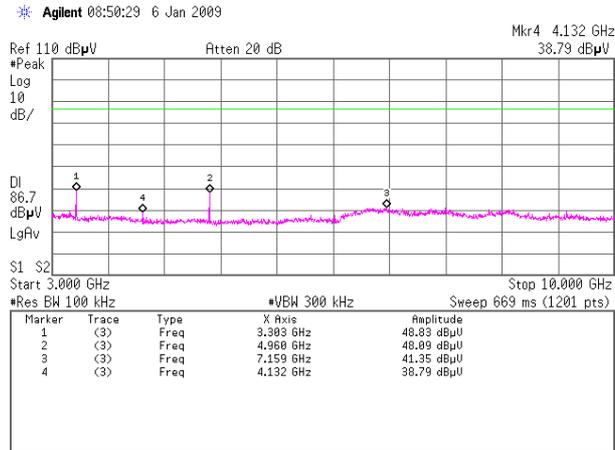


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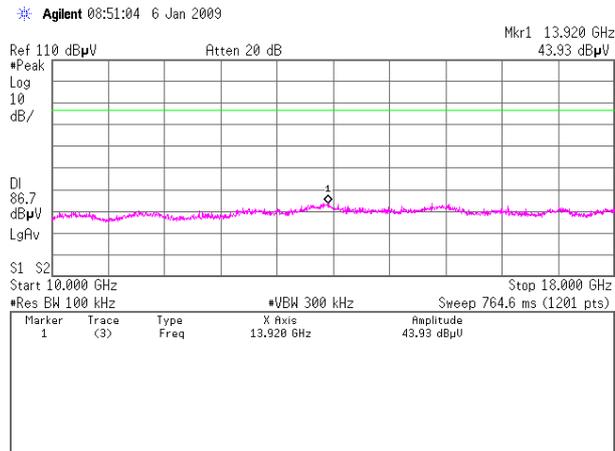


[Transmitting 3DH5]  
 Ch:2480MHz

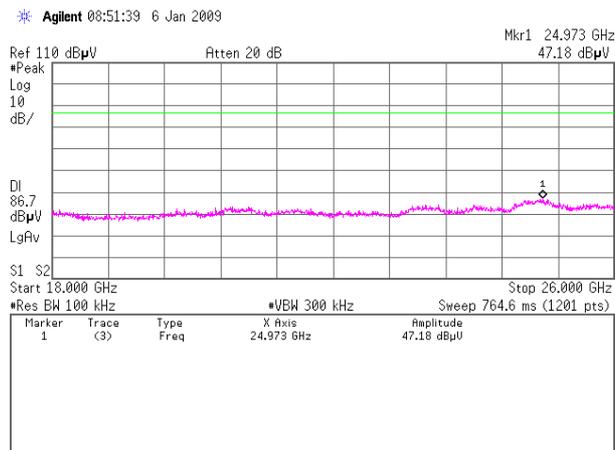
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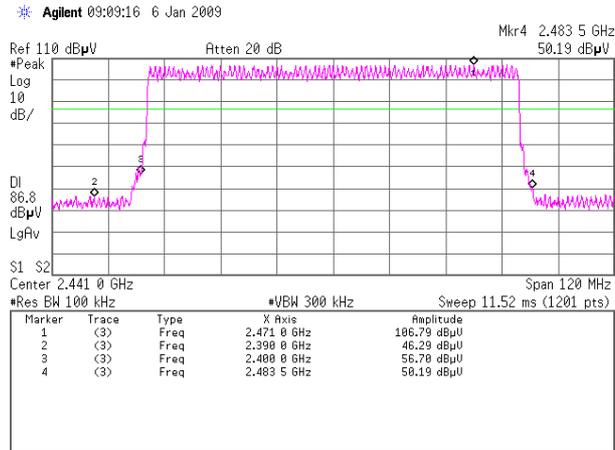


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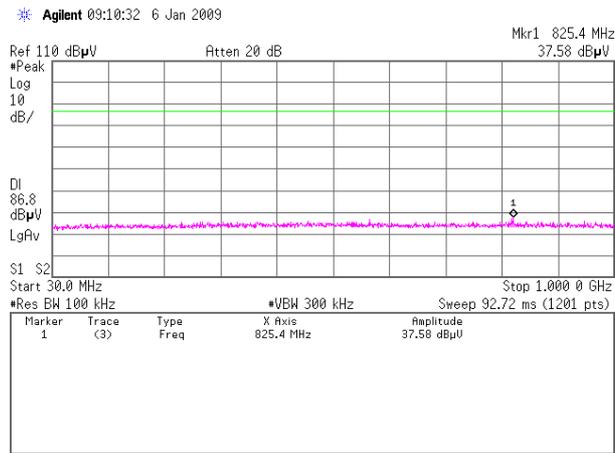


[Transmitting 3DH5]  
Hopping

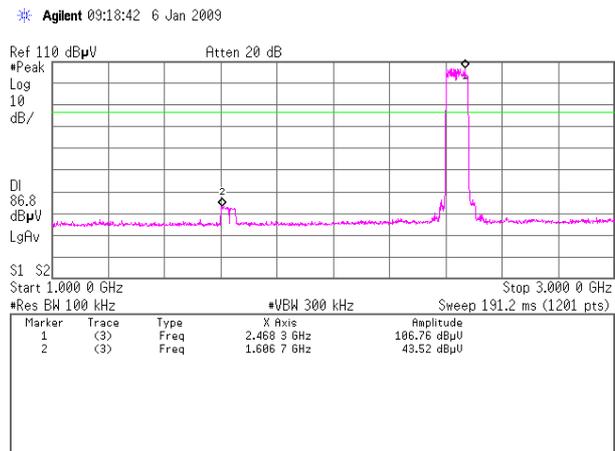
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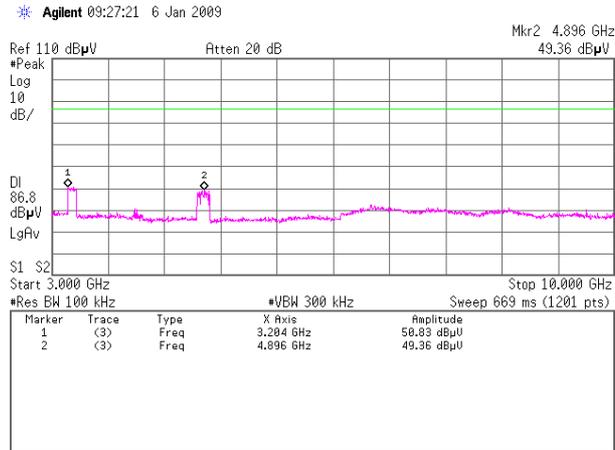


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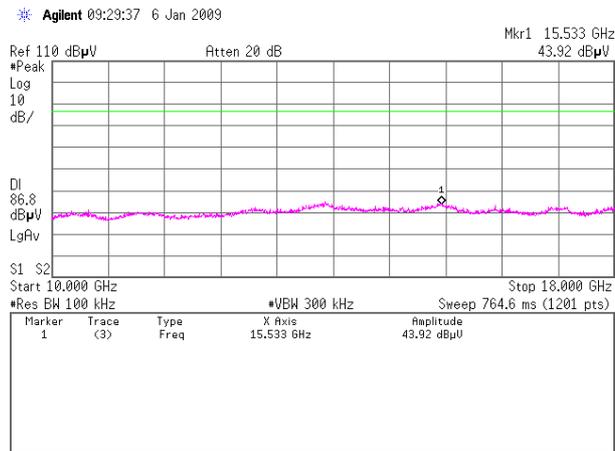


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Hopping

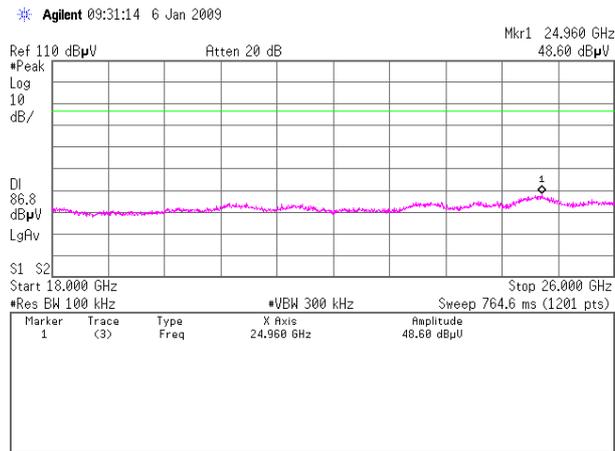
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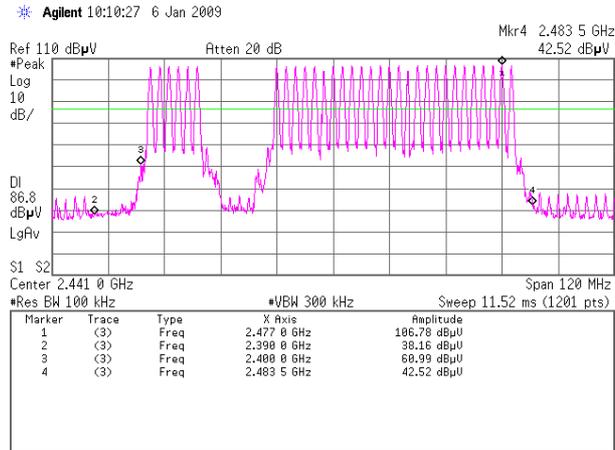


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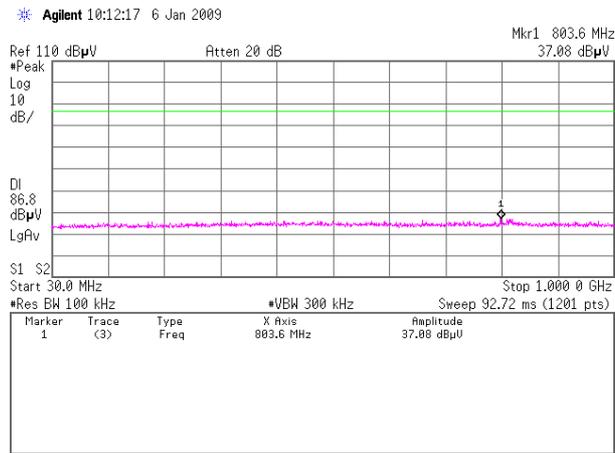


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Inquiry

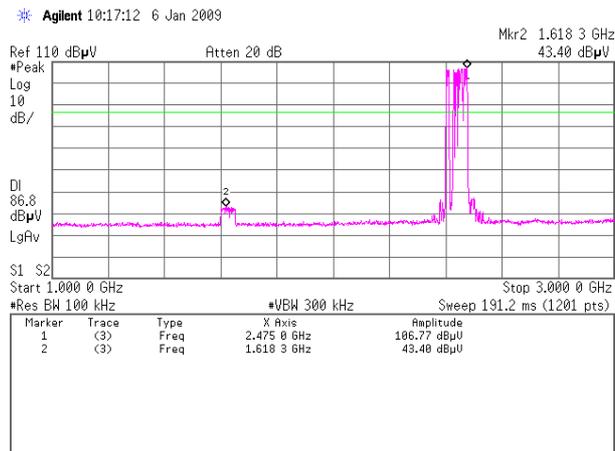
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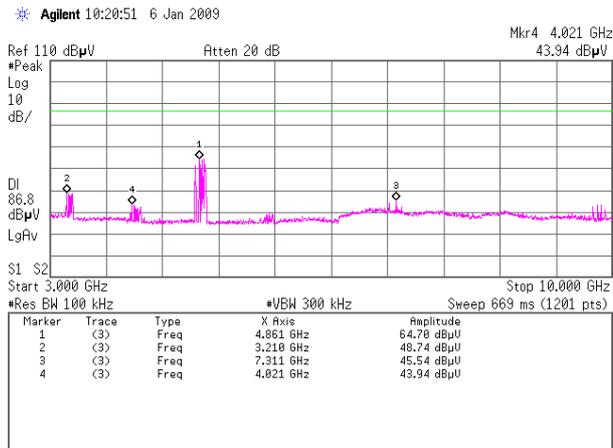


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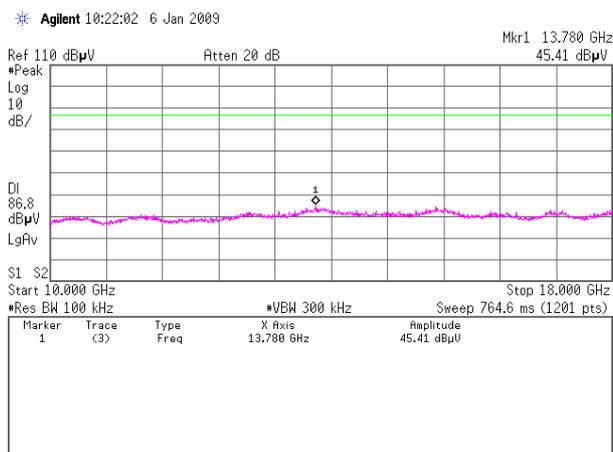


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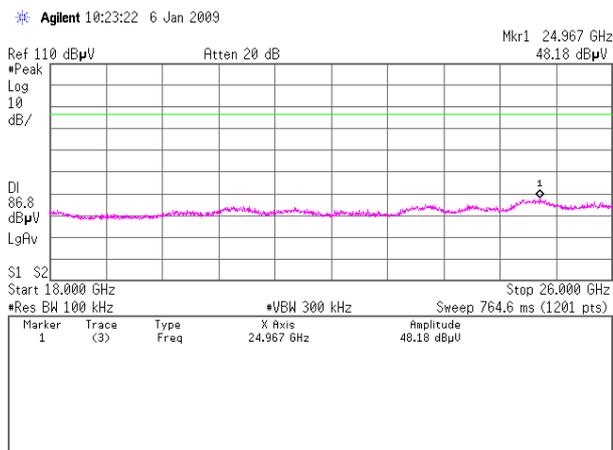
4.



5.



6.



# DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
Kind of Equipment : Bluetooth Audio System  
Model No. : MEX-BT5700U  
Serial No. : 16  
Power : DC12V  
Mode : Transmitting (2402MHz DH5)  
Remarks : -  
Date : 12/24/2008  
Test Distance : 3 m  
Temperature : 18 °C Engineer : Fumiaki Matsuo  
Humidity : 44 %  
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	54.24	BB	25.4	27.5	9.3	27.7	1.5	6.0	14.5	16.6	40.0	25.5	23.4
2.	62.59	BB	26.3	29.0	7.5	27.6	1.7	6.0	13.9	16.6	40.0	26.1	23.4
3.	66.73	BB	29.6	35.7	6.9	27.5	1.7	6.0	16.7	22.8	40.0	23.3	17.2
4.	83.44	BB	36.8	29.3	7.0	27.5	2.0	6.0	24.3	16.8	40.0	15.7	23.2
5.	288.03	BB	25.8	25.3	19.6	27.3	4.0	6.0	28.1	27.6	46.0	17.9	18.4
6.	317.00	BB	27.6	22.3	15.0	27.3	4.2	6.0	25.5	20.2	46.0	20.5	25.8

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-08 (MH648A) ■ EMI RECEIVER: KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz DH5)  
 Remarks : -  
 Date : 12/24/2008  
 Test Distance : 3 m  
 Temperature : 18 °C  
 Humidity : 44 %  
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

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.	54.24	BB	24.3	27.9	9.3	27.7	1.5	6.0	13.4	17.0	40.0	26.6	23.0
2.	62.57	BB	26.9	28.7	7.5	27.6	1.7	6.0	14.5	16.3	40.0	25.5	23.7
3.	66.74	BB	29.0	32.2	6.9	27.5	1.7	6.0	16.1	19.3	40.0	23.9	20.7
4.	84.70	BB	26.4	28.3	7.3	27.5	2.0	6.0	14.2	16.1	40.0	25.8	23.9
5.	288.02	BB	26.4	25.2	19.6	27.3	4.0	6.0	28.7	27.5	46.0	17.3	18.5
6.	317.02	BB	27.6	22.2	15.0	27.3	4.2	6.0	25.5	20.1	46.0	20.5	25.9

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-08 (MH648A) ■ EMI RECEIVER: KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2480MHz DH5)  
 Remarks : -  
 Date : 12/24/2008  
 Test Distance : 3 m  
 Temperature : 18 °C  
 Humidity : 44 %  
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

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.	54.25	BB	25.4	28.1	9.3	27.7	1.5	6.0	14.5	17.2	40.0	25.5	22.8	
2.	62.58	BB	25.9	26.9	7.5	27.6	1.7	6.0	13.5	14.5	40.0	26.5	25.5	
3.	66.76	BB	29.0	33.8	6.9	27.5	1.7	6.0	16.1	20.9	40.0	23.9	19.1	
4.	79.27	BB	34.7	26.9	6.4	27.5	1.9	6.0	21.5	13.7	40.0	18.5	26.3	
5.	83.42	BB	36.1	27.7	7.0	27.5	2.0	6.0	23.6	15.2	40.0	16.4	24.8	
6.	146.00	BB	27.1	25.7	14.5	27.4	2.7	6.0	22.9	21.5	43.5	20.6	22.0	
7.	154.34	BB	29.2	25.6	14.9	27.5	2.7	6.0	25.3	21.7	43.5	18.2	21.8	
8.	288.02	BB	25.6	24.3	19.6	27.3	4.0	6.0	27.9	26.6	46.0	18.1	19.4	
9.	317.02	BB	27.7	22.5	15.0	27.3	4.2	6.0	25.6	20.4	46.0	20.4	25.6	

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

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-08 (MH648A) ■ EMI RECEIVER: KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2402MHz DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(PK Detection)

Engineer : Wataru Kojima

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.	1601.39	BB	50.4	49.8	25.9	35.9	3.6	0.0	44.0	43.4	74.0	30.0	30.6
2.	2390.00	BB	48.1	48.2	28.8	35.4	4.4	0.0	45.9	46.0	74.0	28.1	28.0
3.	2400.00	BB	47.8	56.8	28.8	35.3	4.5	0.0	45.8	54.8	74.0	28.2	19.2
4.	4804.00	BB	48.6	51.4	33.6	34.1	5.9	0.0	54.0	56.8	74.0	20.0	17.2
5.	7206.00	BB	49.8	50.5	36.1	34.7	7.1	0.0	58.3	59.0	74.0	15.7	15.0
6.	9608.00	BB	49.8	50.5	37.6	35.3	8.2	0.0	60.3	61.0	74.0	13.7	13.0
7.	12010.00	BB	50.0	50.2	39.7	35.0	8.9	0.0	63.6	63.8	74.0	10.4	10.2

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2402MHz DH5)  
 Remarks : AV (RBW:1MHz/VBW:200Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(AV Detection)

Engineer : Wataru Kojima

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.	1601.39	BB	44.4	40.3	25.9	35.9	3.6	0.0	38.0	33.9	54.0	16.0	20.1
2.	2390.00	BB	34.6	34.8	28.8	35.4	4.4	0.0	32.4	32.6	54.0	21.6	21.4
3.	2400.00	BB	44.7	48.5	28.8	35.3	4.5	0.0	42.7	46.5	54.0	11.3	7.5
4.	4804.00	BB	37.8	44.0	33.6	34.1	5.9	0.0	43.2	49.4	54.0	10.8	4.6
5.	7206.00	BB	36.3	36.2	36.1	34.7	7.1	0.0	44.8	44.7	54.0	9.2	9.3
6.	9608.00	BB	36.3	36.2	37.6	35.3	8.2	0.0	46.8	46.7	54.0	7.2	7.3
7.	12010.00	BB	36.5	36.5	39.7	35.0	8.9	0.0	50.1	50.1	54.0	3.9	3.9

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(PK Detection)  
 Engineer : Wataru Kojima

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.	1626.60	BB	53.0	51.7	26.1	35.9	3.6	0.0	46.8	45.5	74.0	27.2	28.5	
2.	4882.00	BB	49.8	49.7	33.8	34.1	6.0	0.0	55.5	55.4	74.0	18.5	18.6	
3.	7323.00	BB	49.8	49.7	36.2	34.8	7.1	0.0	58.3	58.2	74.0	15.7	15.8	
4.	9764.00	BB	50.2	49.5	37.6	35.4	8.2	0.0	60.6	59.9	74.0	13.4	14.1	
5.	12205.00	BB	50.4	50.9	39.9	34.8	9.0	0.0	64.5	65.0	74.0	9.5	9.0	

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz DH5)  
 Remarks : AV (RBW:1MHz/VBW:200Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(AV Detection)

Engineer : Wataru Kojima

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.	1626.60	BB	46.9	43.4	26.1	35.9	3.6	0.0	40.7	37.2	54.0	13.3	16.8	
2.	4882.00	BB	40.0	40.4	33.8	34.1	6.0	0.0	45.7	46.1	54.0	8.3	7.9	
3.	7323.00	BB	36.2	36.2	36.2	34.8	7.1	0.0	44.7	44.7	54.0	9.3	9.3	
4.	9764.00	BB	36.1	36.1	37.6	35.4	8.2	0.0	46.5	46.5	54.0	7.5	7.5	
5.	12205.00	BB	36.8	36.8	39.9	34.8	9.0	0.0	50.9	50.9	54.0	3.1	3.1	

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2480MHz DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C Engineer : Wataru Kojima  
 Humidity : 50 %  
 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		MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER	HOR [dB]	VER		
1.	1652.63	BB	51.9	42.6	26.3	35.9	3.7	0.0	46.0	36.7	74.0	28.0	37.3	
2.	4960.00	BB	45.4	49.6	34.1	34.1	6.0	0.0	51.4	55.6	74.0	22.6	18.4	
3.	7440.00	BB	50.1	49.4	36.3	34.8	7.1	0.0	58.7	58.0	74.0	15.3	16.0	
4.	9920.00	BB	49.2	49.1	37.6	35.4	8.3	0.0	59.7	59.6	74.0	14.3	14.4	
5.	12400.00	BB	50.7	50.9	40.2	34.6	9.0	0.0	65.3	65.5	74.0	8.7	8.5	

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2480MHz DH5)  
 Remarks : AV (RBW:1MHz/VBW:200Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(AV Detection)

Engineer : Wataru Kojima

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.	1652.63	BB	47.6	40.4	26.3	35.9	3.7	0.0	41.7	34.5	54.0	12.3	19.5
2.	2483.50	BB	35.0	37.7	28.8	35.3	4.5	0.0	33.0	35.7	54.0	21.0	18.3
3.	4960.00	BB	37.0	39.7	34.1	34.1	6.0	0.0	43.0	45.7	54.0	11.0	8.3
4.	7440.00	BB	36.0	36.0	36.3	34.8	7.1	0.0	44.6	44.6	54.0	9.4	9.4
5.	9920.00	BB	35.8	35.9	37.6	35.4	8.3	0.0	46.3	46.4	54.0	7.7	7.6
6.	12400.00	BB	36.0	36.1	40.2	34.6	9.0	0.0	50.6	50.7	54.0	3.4	3.3

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
Kind of Equipment : Bluetooth Audio System  
Model No. : MEX-BT5700U  
Serial No. : 16  
Power : DC12V  
Mode : Transmitting (2402MHz 3DH5)  
Remarks : -  
Date : 12/24/2008  
Test Distance : 3 m  
Temperature : 18 °C Engineer : Fumiaki Matsuo  
Humidity : 44 %  
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	66.73	BB	34.8	32.1	6.9	27.5	1.7	6.0	21.9	19.2	40.0	18.1	20.8
2.	83.41	BB	37.8	29.7	7.0	27.5	2.0	6.0	25.3	17.2	40.0	14.7	22.8
3.	116.78	BB	26.5	29.9	12.4	27.5	2.4	6.0	19.8	23.2	43.5	23.7	20.3
4.	154.32	BB	27.0	25.9	14.9	27.5	2.7	6.0	23.1	22.0	43.5	20.4	21.5
5.	287.99	BB	27.6	26.5	19.6	27.3	4.0	6.0	29.9	28.8	46.0	16.1	17.2
6.	317.02	BB	27.5	23.8	15.0	27.3	4.2	6.0	25.4	21.7	46.0	20.6	24.3

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

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

■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-08 (MH648A) ■ EMI RECEIVER: KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz 3DH5)  
 Remarks : -  
 Date : 12/24/2008  
 Test Distance : 3 m  
 Temperature : 18 °C  
 Humidity : 44 %  
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

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.	54.21	BB	26.7	29.4	9.3	27.7	1.5	6.0	15.8	18.5	40.0	24.2	21.5	
2.	66.72	BB	35.7	30.6	6.9	27.5	1.7	6.0	22.8	17.7	40.0	17.2	22.3	
3.	83.41	BB	37.3	30.5	7.0	27.5	2.0	6.0	24.8	18.0	40.0	15.2	22.0	
4.	116.77	BB	25.9	29.8	12.4	27.5	2.4	6.0	19.2	23.1	43.5	24.3	20.4	
5.	154.31	BB	26.6	25.9	14.9	27.5	2.7	6.0	22.7	22.0	43.5	20.8	21.5	
6.	287.99	BB	28.9	26.2	19.6	27.3	4.0	6.0	31.2	28.5	46.0	14.8	17.5	
7.	317.00	BB	27.7	22.2	15.0	27.3	4.2	6.0	25.6	20.1	46.0	20.4	25.9	

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-08 (MH648A) ■ EMI RECEIVER : KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
Kind of Equipment : Bluetooth Audio System  
Model No. : MEX-BT5700U  
Serial No. : 16  
Power : DC12V  
Mode : Transmitting (2480MHz 3DH5)  
Remarks : -  
Date : 12/24/2008  
Test Distance : 3 m  
Temperature : 18 °C Engineer : Fumiaki Matsuo  
Humidity : 44 %  
Regulation : FCC Part15C § 15. 209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	54.20	BB	22.1	29.2	9.3	27.7	1.5	6.0	11.2	18.3	40.0	28.8	21.7
2.	66.72	BB	36.3	30.1	6.9	27.5	1.7	6.0	23.4	17.2	40.0	16.6	22.8
3.	83.41	BB	38.1	30.5	7.0	27.5	2.0	6.0	25.6	18.0	40.0	14.4	22.0
4.	116.78	BB	26.4	29.9	12.4	27.5	2.4	6.0	19.7	23.2	43.5	23.8	20.3
5.	154.33	BB	27.9	25.9	14.9	27.5	2.7	6.0	24.0	22.0	43.5	19.5	21.5
6.	317.00	BB	27.7	22.4	15.0	27.3	4.2	6.0	25.6	20.3	46.0	20.4	25.7

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-08 (MH648A) ■ EMI RECEIVER: KTR-04 (ESVS10)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2402MHz 3DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(PK Detection)

Engineer : Wataru Kojima

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.	1601.93	BB	53.2	50.6	25.9	35.9	3.6	0.0	46.8	44.2	74.0	27.2	29.8
2.	2390.00	BB	48.5	48.1	28.8	35.4	4.4	0.0	46.3	45.9	74.0	27.7	28.1
3.	2400.00	BB	60.0	60.8	28.8	35.3	4.5	0.0	58.0	58.8	74.0	16.0	15.2
4.	4804.00	BB	47.9	47.8	33.6	34.1	5.9	0.0	53.3	53.2	74.0	20.7	20.8
5.	7206.00	BB	50.7	49.6	36.1	34.7	7.1	0.0	59.2	58.1	74.0	14.8	15.9
6.	9608.00	BB	50.0	49.4	37.6	35.3	8.2	0.0	60.5	59.9	74.0	13.5	14.1
7.	12010.00	BB	50.6	49.8	39.7	35.0	8.9	0.0	64.2	63.4	74.0	9.8	10.6

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2402MHz 3DH5)  
 Remarks : AV (RBW:1MHz/VBW:100Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15. 209(AV Detection)

Engineer : Wataru Kojima

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.	1601.93	BB	47.8	46.8	25.9	35.9	3.6	0.0	41.4	40.4	54.0	12.6	13.6
2.	2390.00	BB	34.7	34.7	28.8	35.4	4.4	0.0	32.5	32.5	54.0	21.5	21.5
3.	2400.00	BB	49.6	48.9	28.8	35.3	4.5	0.0	47.6	46.9	54.0	6.4	7.1
4.	4804.00	BB	35.6	35.1	33.6	34.1	5.9	0.0	41.0	40.5	54.0	13.0	13.5
5.	7206.00	BB	36.3	36.3	36.1	34.7	7.1	0.0	44.8	44.8	54.0	9.2	9.2
6.	9608.00	BB	36.0	36.1	37.6	35.3	8.2	0.0	46.5	46.6	54.0	7.5	7.4
7.	12010.00	BB	36.3	36.3	39.7	35.0	8.9	0.0	49.9	49.9	54.0	4.1	4.1

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz 3DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(PK Detection)

Engineer : Wataru Kojima

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.	1626.71	BB	51.7	51.4	26.1	35.9	3.6	0.0	45.5	45.2	74.0	28.5	28.8	
2.	4882.00	BB	47.9	48.2	33.8	34.1	6.0	0.0	53.6	53.9	74.0	20.4	20.1	
3.	7323.00	BB	50.1	50.3	36.2	34.8	7.1	0.0	58.6	58.8	74.0	15.4	15.2	
4.	9764.00	BB	49.9	50.4	37.6	35.4	8.2	0.0	60.3	60.8	74.0	13.7	13.2	
5.	12205.00	BB	50.3	50.4	39.9	34.8	9.0	0.0	64.4	64.5	74.0	9.6	9.5	

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2441MHz 3DH5)  
 Remarks : AV (RBW:1MHz/VBW:100Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(AV Detection)  
 Engineer : Wataru Kojima

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.	1626.71	BB	46.2	46.6	26.1	35.9	3.6	0.0	40.0	40.4	54.0	14.0	13.6	
2.	4882.00	BB	34.2	34.6	33.8	34.1	6.0	0.0	39.9	40.3	54.0	14.1	13.7	
3.	7323.00	BB	36.0	36.0	36.2	34.8	7.1	0.0	44.5	44.5	54.0	9.5	9.5	
4.	9764.00	BB	36.0	36.0	37.6	35.4	8.2	0.0	46.4	46.4	54.0	7.6	7.6	
5.	12205.00	BB	36.7	36.6	39.9	34.8	9.0	0.0	50.8	50.7	54.0	3.2	3.3	

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2480MHz 3DH5)  
 Remarks : PK (RBW:1MHz/VBW:1MHz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(PK Detection)  
 Engineer : Wataru Kojima

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.	1652.68	BB	53.8	50.0	26.3	35.9	3.7	0.0	47.9	44.1	74.0	26.1	29.9
2.	2483.50	BB	48.4	50.5	28.8	35.3	4.5	0.0	46.4	48.5	74.0	27.6	25.5
3.	4960.00	BB	47.7	47.9	34.1	34.1	6.0	0.0	53.7	53.9	74.0	20.3	20.1
4.	7440.00	BB	49.0	50.0	36.3	34.8	7.1	0.0	57.6	58.6	74.0	16.4	15.4
5.	9920.00	BB	49.4	49.5	37.6	35.4	8.3	0.0	59.9	60.0	74.0	14.1	14.0
6.	12400.00	BB	50.4	51.1	40.2	34.6	9.0	0.0	65.0	65.7	74.0	9.0	8.3

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

■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

# DATA OF RADIATION TEST

UL Japan, Inc.  
YAMAKITA No.1 ANECHOIC CHAMBER  
Report No. : 29DE0186-YK-01-E

Applicant : Sony Corporation  
 Kind of Equipment : Bluetooth Audio System  
 Model No. : MEX-BT5700U  
 Serial No. : 16  
 Power : DC12V  
 Mode : Transmitting (2480MHz 3DH5)  
 Remarks : AV (RBW:1MHz/VBW:100Hz)  
 Date : 12/10/2008  
 Test Distance : 3 m  
 Temperature : 20 °C  
 Humidity : 50 %  
 Regulation : FCC Part15C § 15.209(AV Detection)  
 Engineer : Wataru Kojima

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.	1652.68	BB	48.8	45.0	26.3	35.9	3.7	0.0	42.9	39.1	54.0	11.1	14.9
2.	2483.50	BB	34.7	37.7	28.8	35.3	4.5	0.0	32.7	35.7	54.0	21.3	18.3
3.	4960.00	BB	34.1	34.0	34.1	34.1	6.0	0.0	40.1	40.0	54.0	13.9	14.0
4.	7440.00	BB	35.7	35.5	36.3	34.8	7.1	0.0	44.3	44.1	54.0	9.7	9.9
5.	9920.00	BB	35.5	36.0	37.6	35.4	8.3	0.0	46.0	46.5	54.0	8.0	7.5
6.	12400.00	BB	35.9	35.7	40.2	34.6	9.0	0.0	50.5	50.3	54.0	3.5	3.7

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

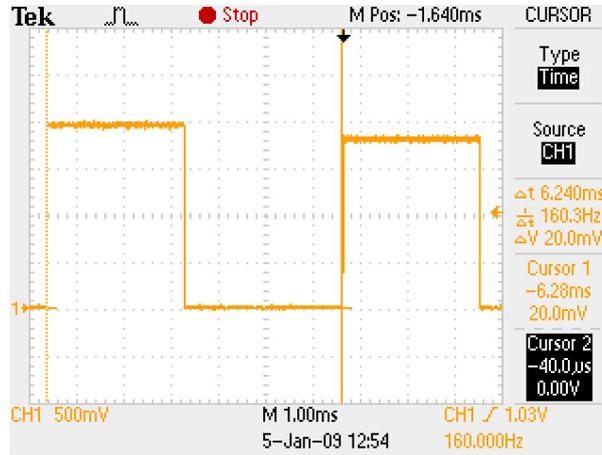
■ ANTENNA:KHA-01 (SAS-200 571) 1-18GHz  
 ■ CABLE:KCC-D16/D17 ■ PREAMP:KAF-07 (8449B) ■ EMI RECEIVER:KTR-01 (ES140)

**Duty Cycle**

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

No.5 shielded room  
 2009/1/5  
 15 deg. C. / 47 %  
 Tatsuya Arai  
 Transmitting

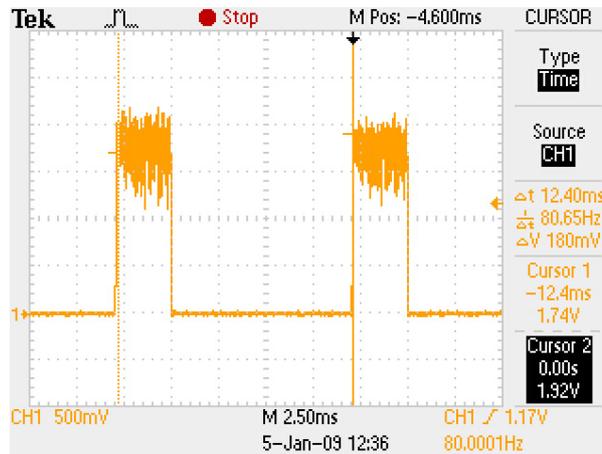
[DH5]



Duty Cycle: 6.24ms

AV Detector VBW:  $1000 / 6.24\text{ms} = 160.3\text{Hz} \rightarrow 200\text{Hz}$

[3DH5]



Duty Cycle: 12.40ms

AV Detector VBW:  $1000 / 12.40\text{ms} = 80.6\text{Hz} \rightarrow 100\text{Hz}$

- \* 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.

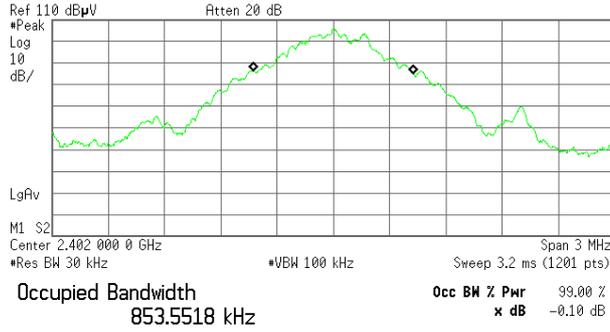
**Occupied Bandwidth (99%) (Regulation: RSS-Gen 4.6.1)**

UL Japan, Inc. Yamakita EMC lab. No.5 shielded room  
 Date: 2009/1/5  
 Temp./Humid.: 15 deg. C. / 47 %  
 Engineer: Tatsuya Arai  
 Test mode: Transmitting

[Hopping off, DHS]

1. ch : 2402MHz/Occupied Bandwidth: 853.5518kHz

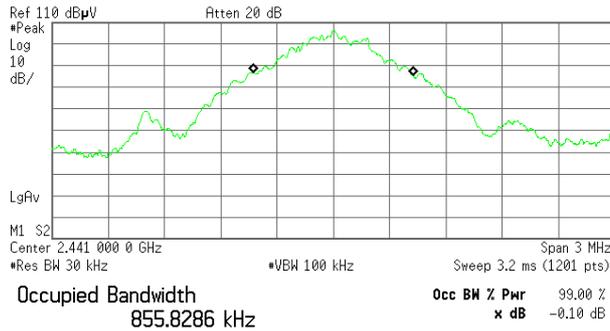
Agilent 09:45:21 5 Jan 2009



Transmit Freq Error 1.707 kHz  
 x dB Bandwidth 7.498 kHz

2. ch : 2441MHz/Occupied Bandwidth: 855.8286kHz

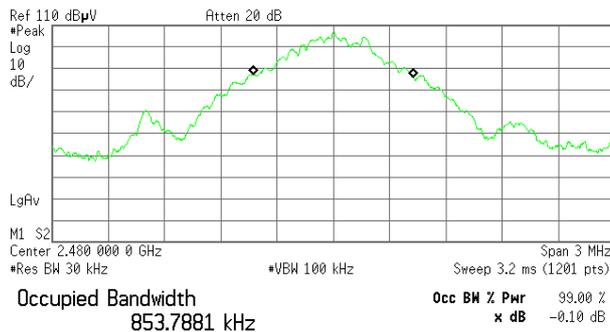
Agilent 09:46:15 5 Jan 2009



Transmit Freq Error -27.868 Hz  
 x dB Bandwidth 8.554 kHz

3. ch : 2480MHz/Occupied Bandwidth: 853.7881kHz

Agilent 09:46:58 5 Jan 2009

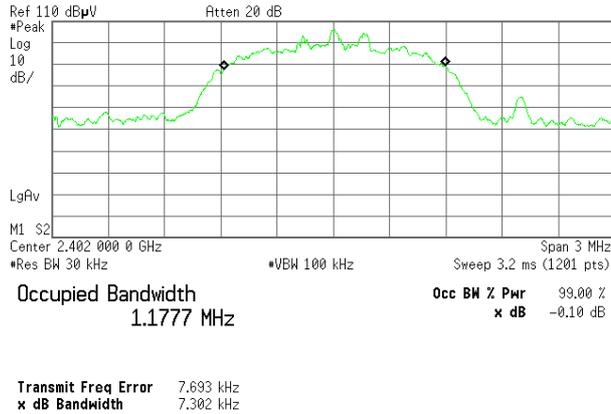


Transmit Freq Error 520.794 Hz  
 x dB Bandwidth 7.900 kHz

[Hopping off, 3DH5]

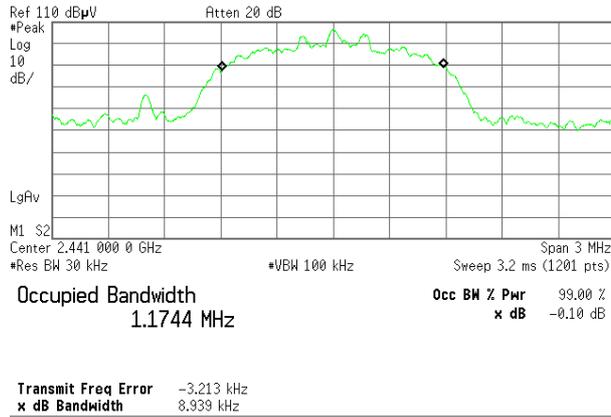
4. ch : 2402MHz/Occupied Bandwidth: 1.1777MHz

Agilent 09:48:35 5 Jan 2009



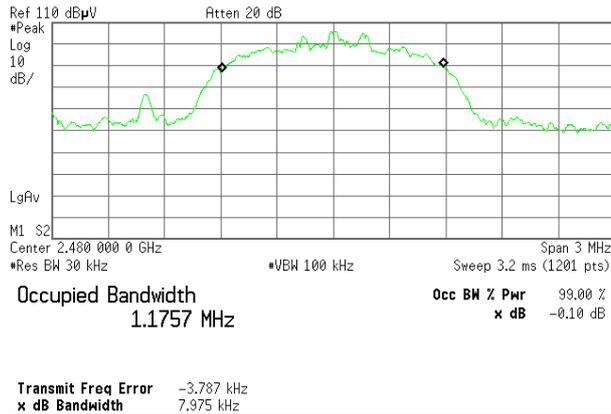
5. ch : 2441MHz/Occupied Bandwidth: 1.1744MHz

Agilent 09:49:55 5 Jan 2009



6. ch : 2480MHz/Occupied Bandwidth: 1.1757MHz

Agilent 09:51:25 5 Jan 2009





### APPENDIX 3 Test Instruments

#### EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
KSA-08	Spectrum Analyzer	Agilent	E4446A	MY46180525	AT 1,2,3,4,6	2008/01/11 * 12
KCC-D20	Coaxial Cable	SUHNER	SUCOFLEX102	31110/2	AT all	2008/07/09 * 12
KPM-05	Power meter	Agilent	E4417A	GB41290718	AT 5	2008/03/21 * 12
KPSS-01	Power sensor	Agilent	E9327A	US40440544	AT 5	2008/03/27 * 12
KDT-01	Coaxial Crystal Detector	Agilent	8473C	1822A05320	AT 4	Pre Check
KOSC-01	Oscilloscope	Tektronix	TDS-2022B	C050588	AT 4	2008/05/07 * 12
KOS-08	Humidity Indicator	Custom	CTH-190	K-08	AT all	2008/07/07 * 12
KCC-D21	Microwave Cable	Hirose Electric	U.FL-2LP-066J1-A-(200)	-	AT all	Pre Check
CUST-YA-RE	Radiated emission(software)	UL Japan	RE(Ver.1.5)	-	RE	-
KAEC-01	Anechoic Chamber	JSE	Semi 3m	1	RE	2008/08/06 * 12
KAF-08	Pre Amplifier	Anritsu	MH648A	M90147	RE	2008/06/03 * 12
KAT6-01	Attenuator	INMET	18N-6dB	-	RE	2008/03/17 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1926	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
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	170	RE	2008/12/28 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	100054/040	RE	2008/04/18 * 12
KTR-04	Test Receiver	Rohde & Schwarz	ESVS10	825475/006	RE	2008/10/20 * 12
MSA-02	Spectrum Analyzer	Advantest	R3265A	55060359	RE	Pre Check
KSA-04	Spectrum Analyzer	Advantest	R3271A	95060087	RE	2008/09/29 * 12
KOS-02	Humidity Indicator	Custom	CTH-190	K-02	RE	2008/07/07 * 12
KJM-07	Measure	KOMELON	KMC-36	-	RE	-
KAF-02	Pre Amplifier	Hewlett Packard	8449B	3008A01268	RE	2008/04/11 * 12
KCC-D18/D19	Coaxial cable	Suhner	SCOFLEX104	268148/4 / 268304/4	RE	2008/07/07 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	354	RE	2008/08/11 * 12
KHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	230	RE	2008/04/23 * 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 :

- 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)

\*Some calibrations were performed after the tested dates , however those test equipment have been controlled by means of an unbroken chains of calibrations .