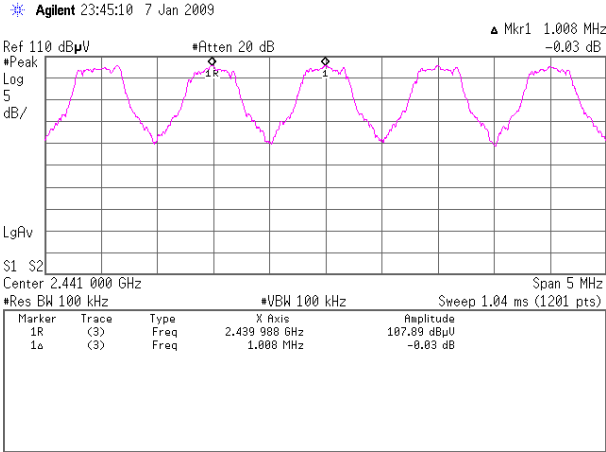


Channel Separation (Regulation: FCC 15.247(a)(1))

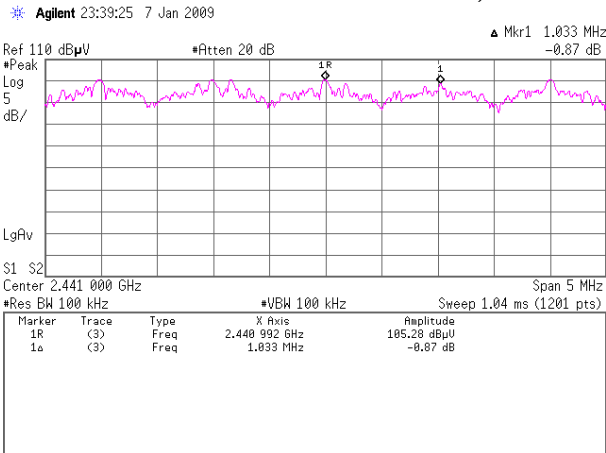
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/1/7
 Temp: 21 deg. C.
 Humid: 32 %
 Engineer: Akira Sato
 Test mode: Transmitting

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

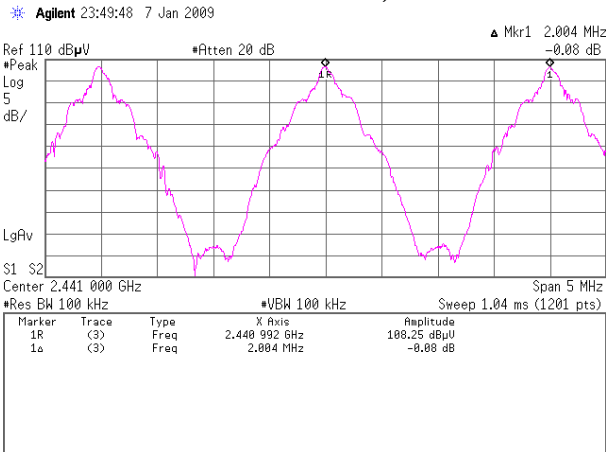
1. Hopping, DH5: 1.008MHz ($2/3 * 20\text{dB Bandwidth}: 2/3 * 975\text{kHz} = 650.0\text{kHz}$)



2. Hopping, 3DH5: 1.033MHz ($2/3 * 20\text{dB Bandwidth}: 2/3 * 1.325\text{MHz} = 883.3\text{kHz}$)



3. Inquiry: 2.004MHz ($2/3 * 20\text{dB Bandwidth}: 2/3 * 812.5\text{kHz} = 541.7\text{kHz}$)



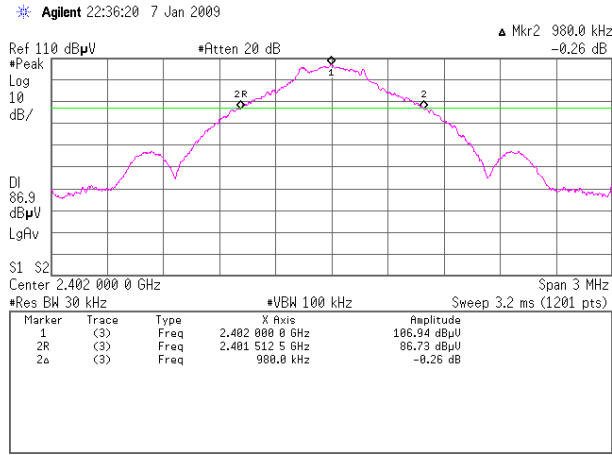
20dB Bandwidth (Regulation: FCC 15.247(a)(1))

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

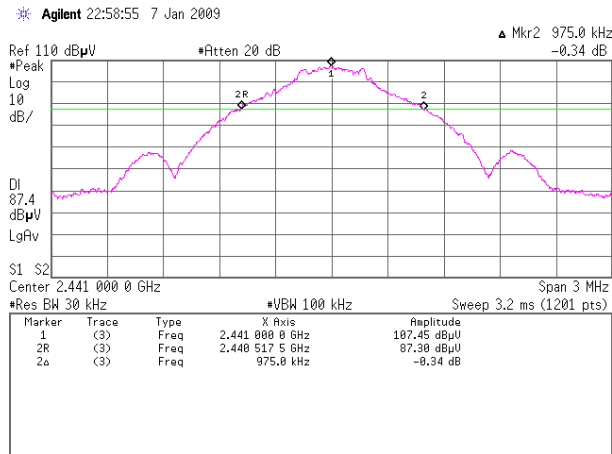
No.4 shielded room
 2009/1/7
 21 deg. C. / 32 %
 Akira Sato
 Transmitting

[Hopping off, DHS]

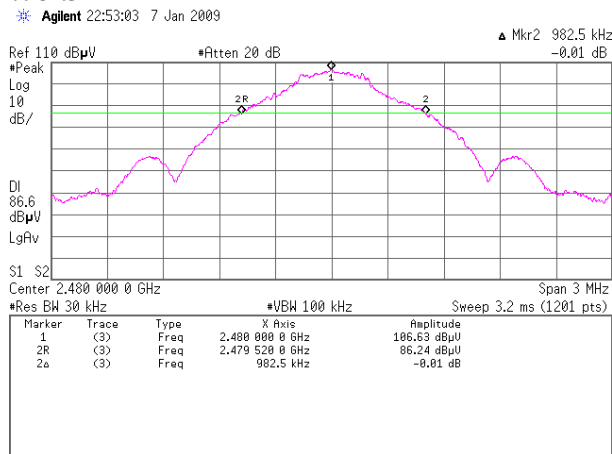
1. ch : 2402MHz/20dB Bandwidth: 980.0kHz



2. ch : 2441MHz/20dB Bandwidth: 975.0kHz

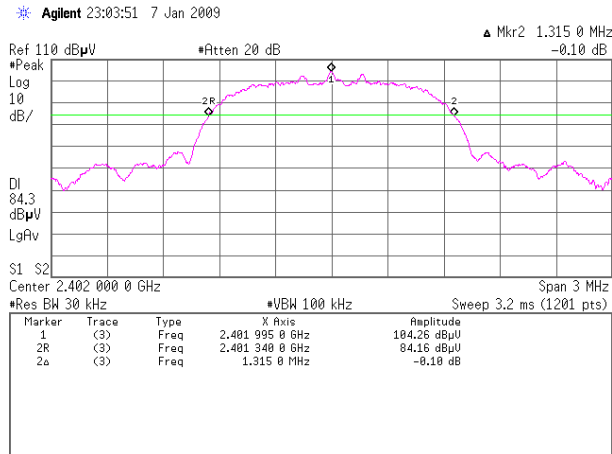


3. ch : 2480MHz/20dB Bandwidth: 982.5kHz

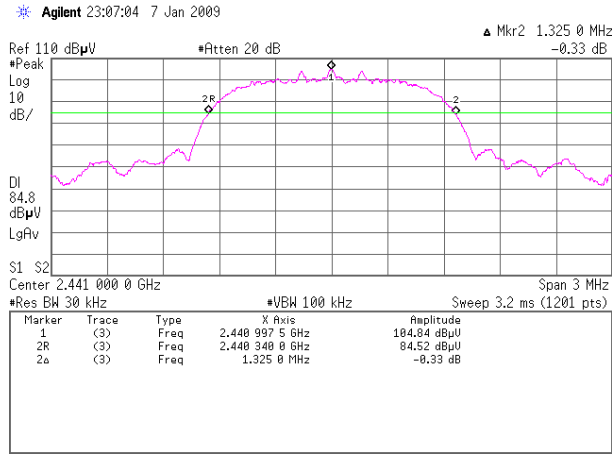


[Hopping off, 3DH5]

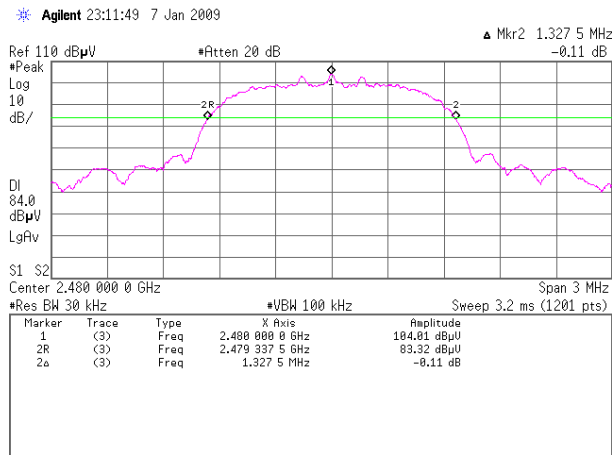
4. ch : 2402MHz/20dB Bandwidth: 1.3150MHz



5. ch : 2441MHz/20dB Bandwidth: 1.3250MHz

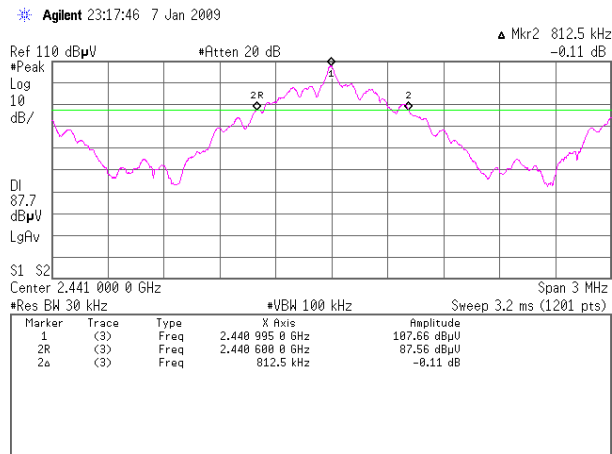


6. ch : 2480MHz/20dB Bandwidth: 1.3275MHz



[Inquiry]

7. Inquiry/20dB Bandwidth: 812.5kHz

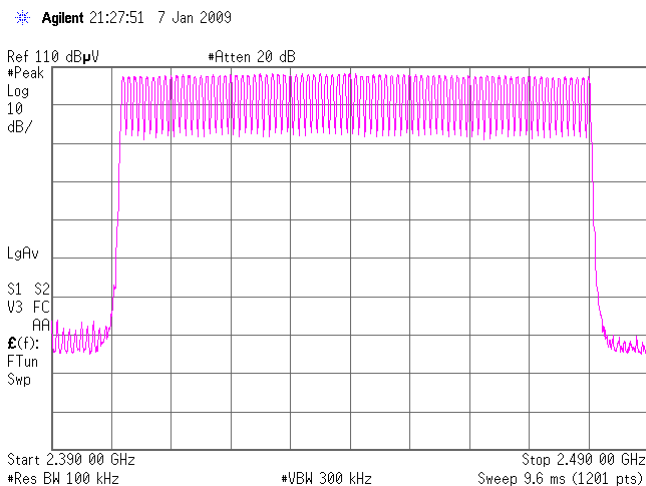


Channel Utilization (Regulation: FCC 15.247(a)(1)(iii))

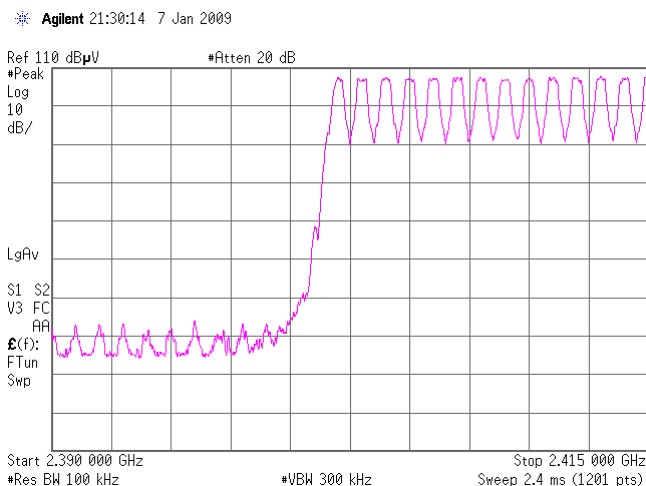
UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/1/7
Temp/Humid.: 21 deg. C. / 32 %
Engineer: Akira Sato
Test mode: Transmitting

Hopping, DH5: 79ch

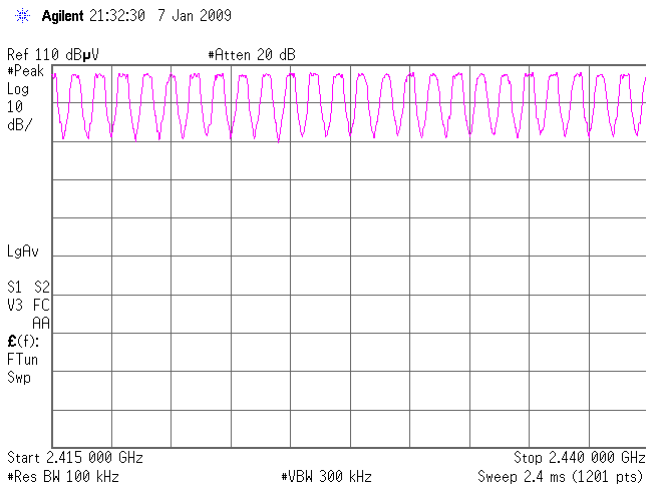
1.



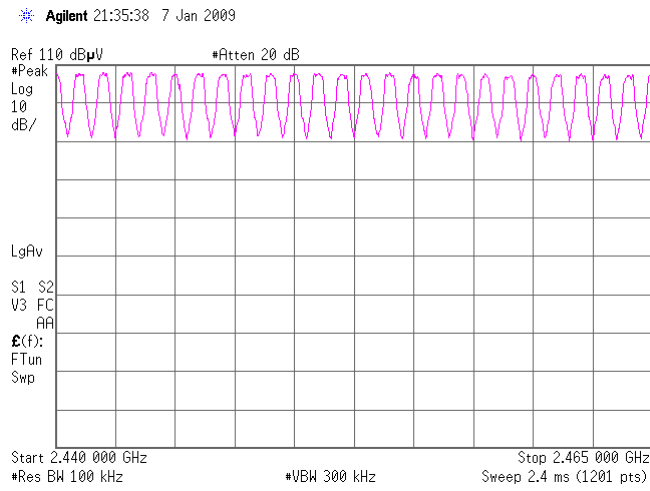
2.



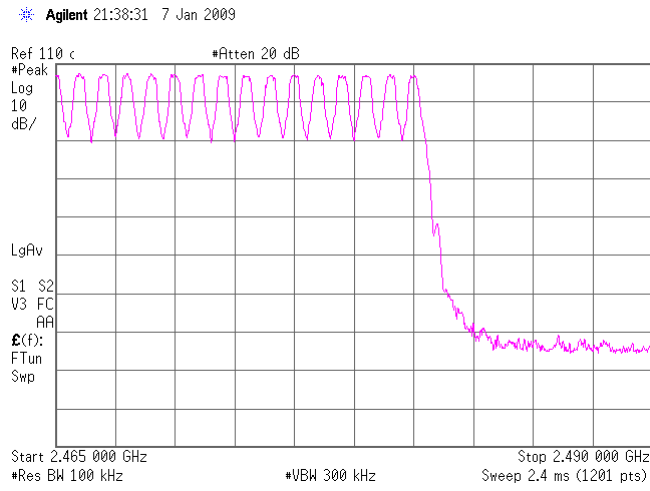
3.



4.

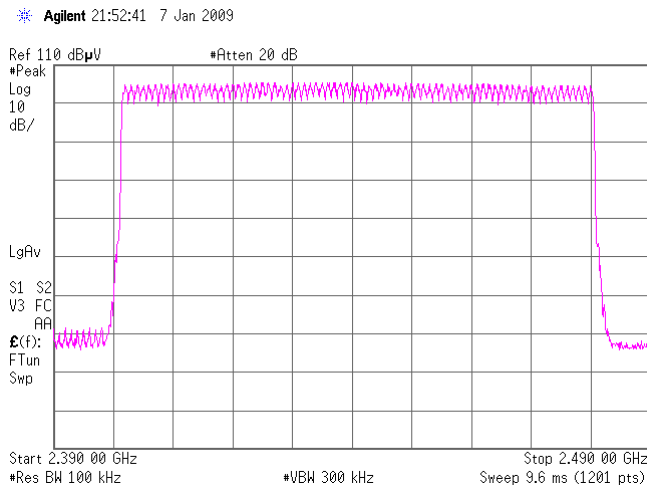


5.

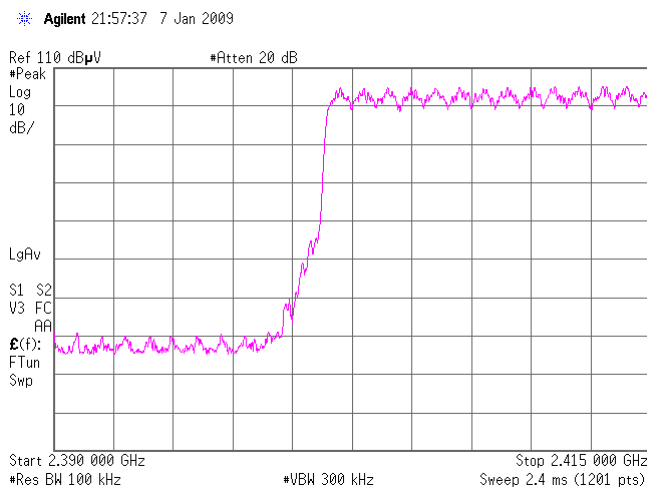


Hopping, 3DHS: 79ch

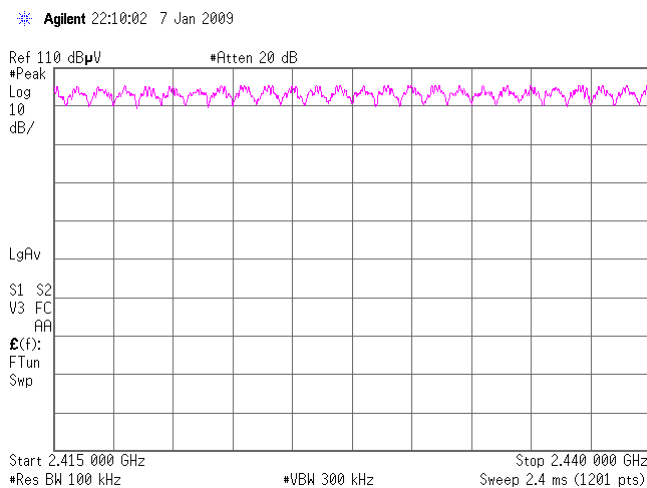
1.



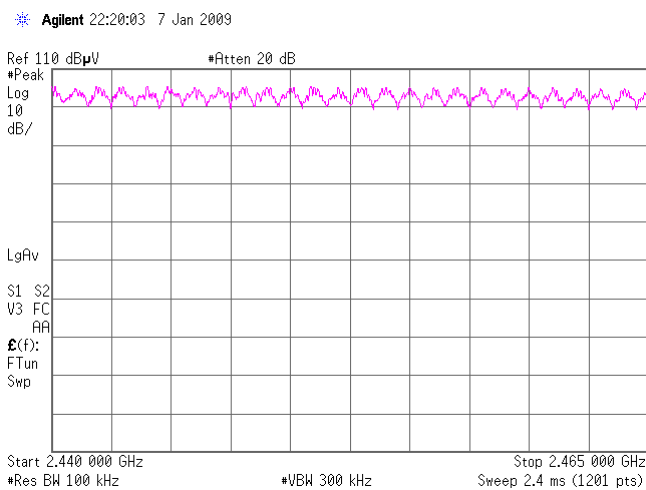
2.



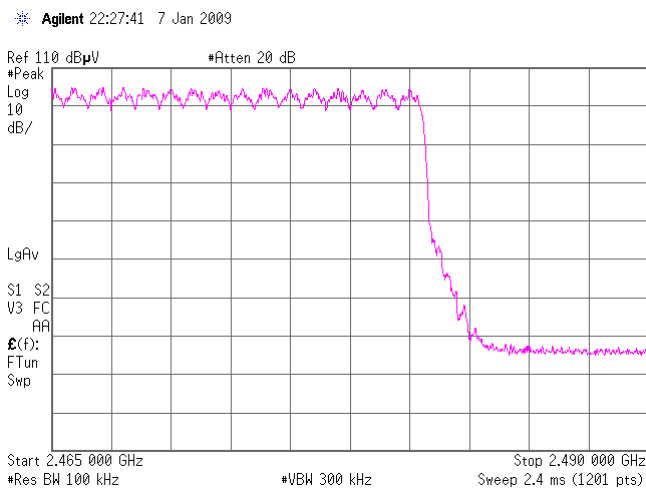
3.



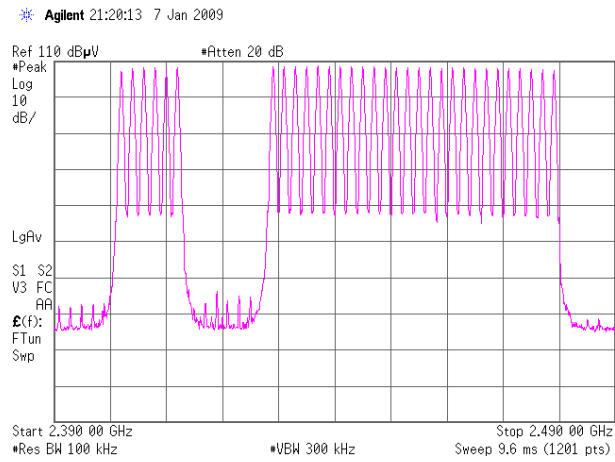
4.



5.



Inquiry: 32ch



Company: PIONEER CORPORATION
Kind of Equipment: CD Receiver
Serial No.: HKPG000003UC

Report No.:
Model No.:
Power:

29EE0080-YK-01-A
DEH-P610BT
DC 12.0V

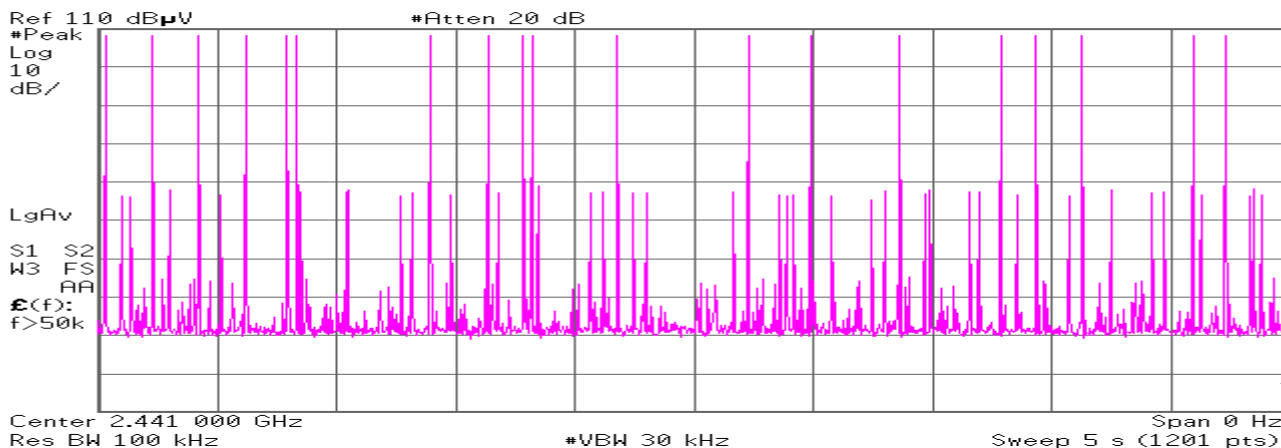
Dwell Time (Regulation: FCC 15.247(a)(1)(iii))

UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
Date: 2009/1/7
Temp/Humid.: 21 deg. C. / 32 %
Engineer: Akira Sato
Test mode: Transmitting

Hopping (DH1):

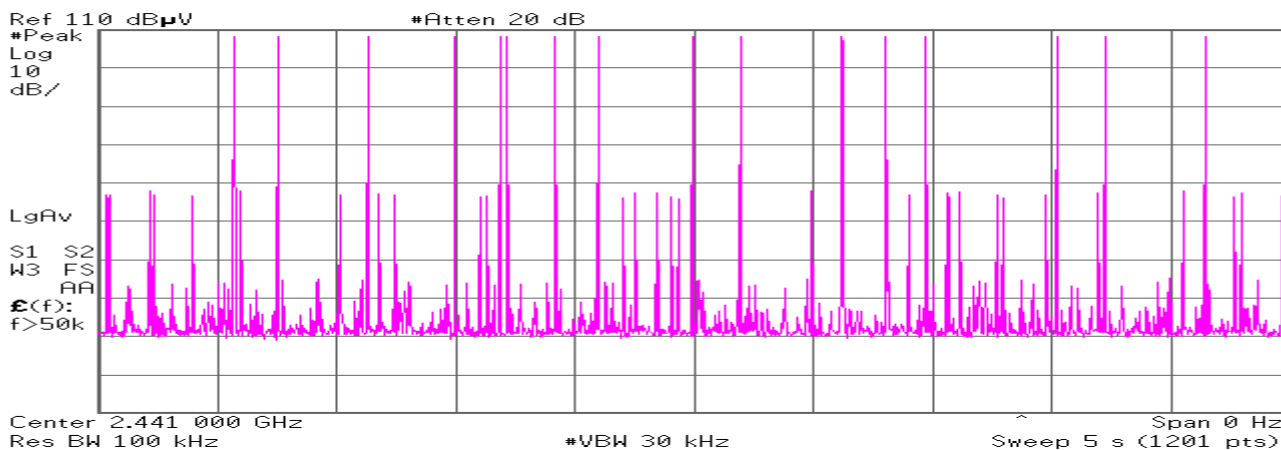
Count 1

Agilent 20:20:38 7 Jan 2009



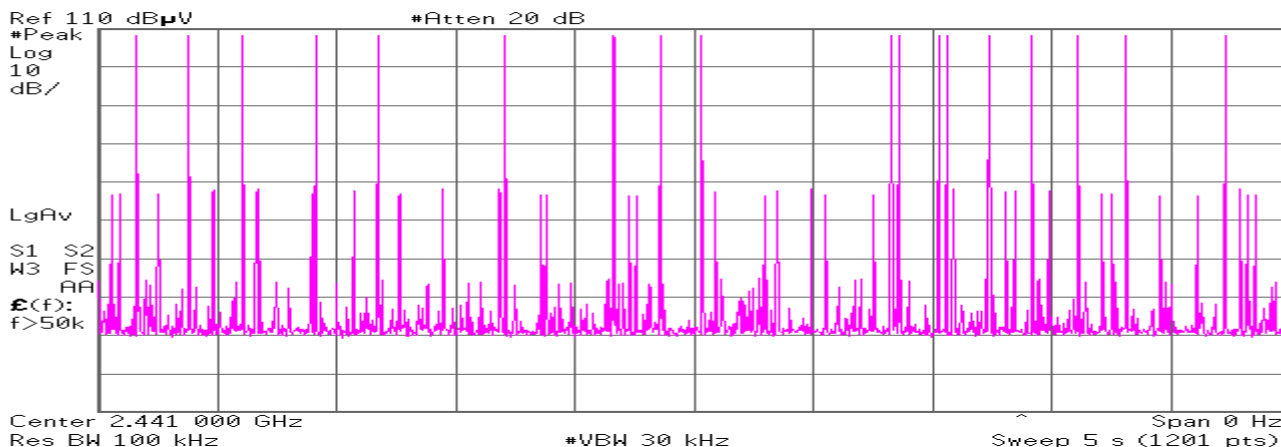
Count 2

Agilent 20:21:22 7 Jan 2009



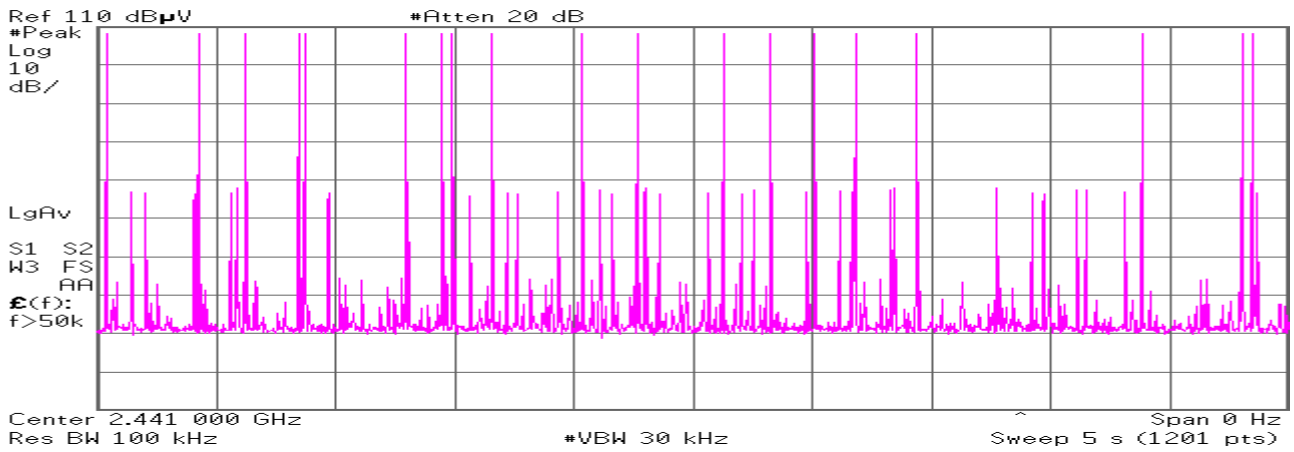
Count 3

Agilent 20:22:35 7 Jan 2009



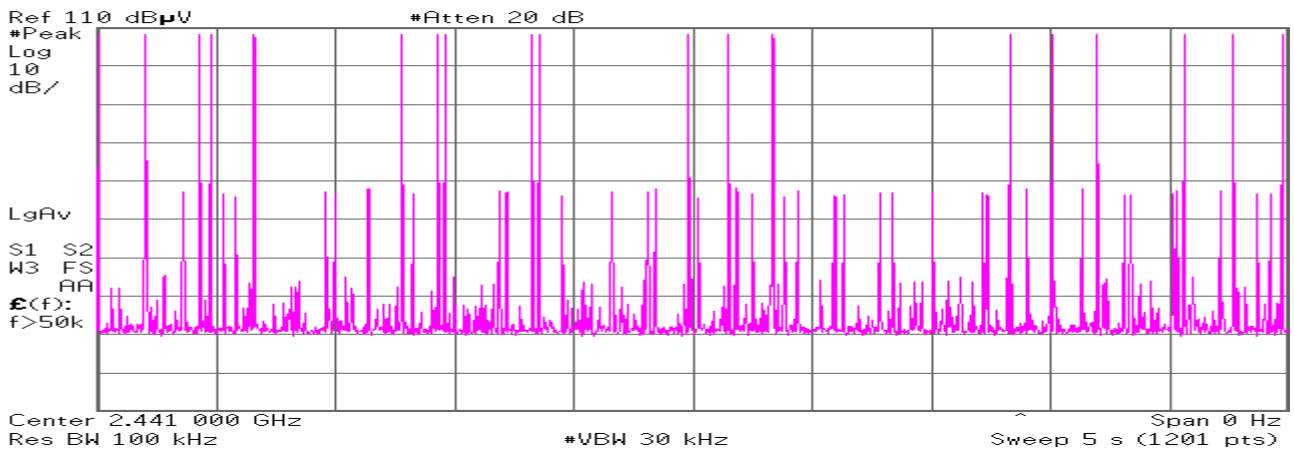
Count 4

Agilent 20:23:25 7 Jan 2009

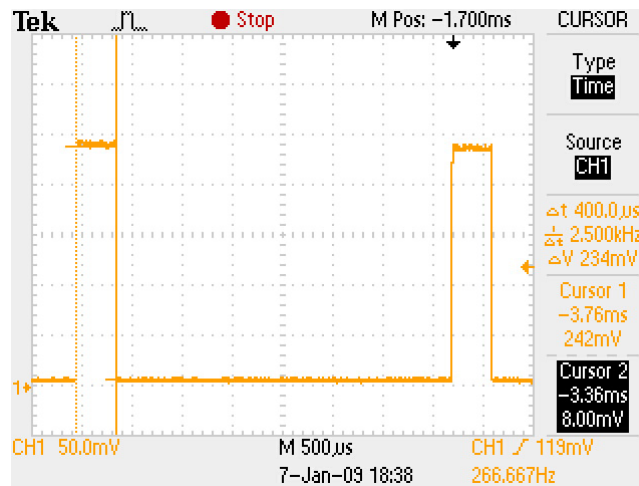


Count 5

Agilent 20:24:11 7 Jan 2009



Duty cycle(Hopping DH1)



Average times of rising in 5 sec. of sweep = (19+ 16 + 18 + 19 + 19) / 5 = 18.2

Average times of rising in 1 sec. = 18.2 / 5s = 3.64

Average times of rising in 0.4x = 0.4 * 79ch * 3.64 = 115.02

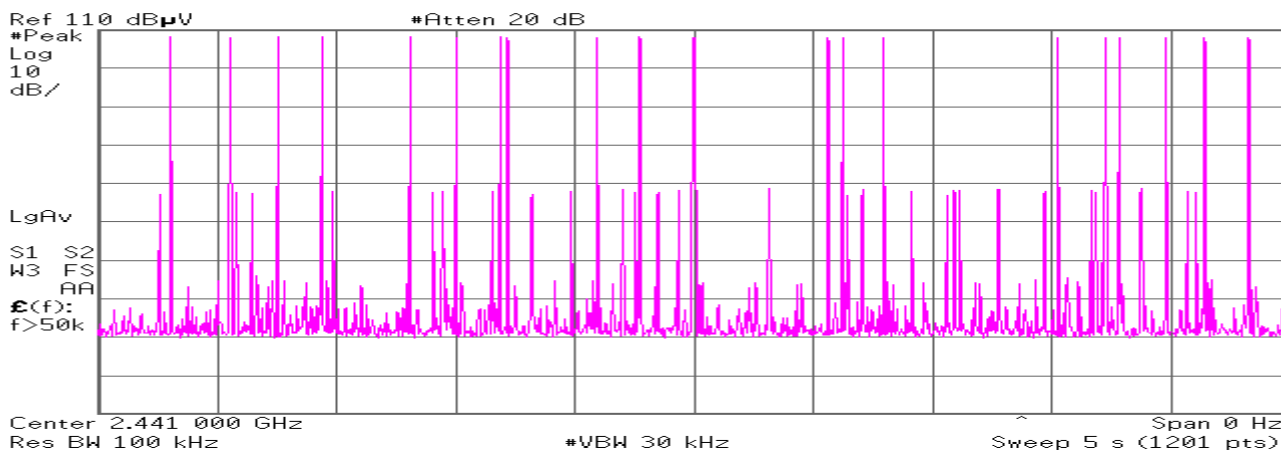
Dwell time = 115.02 * 0.400 = 46.01 [ms]

Limit : Dwell Time < 0.4[s]

Hopping (DH3):

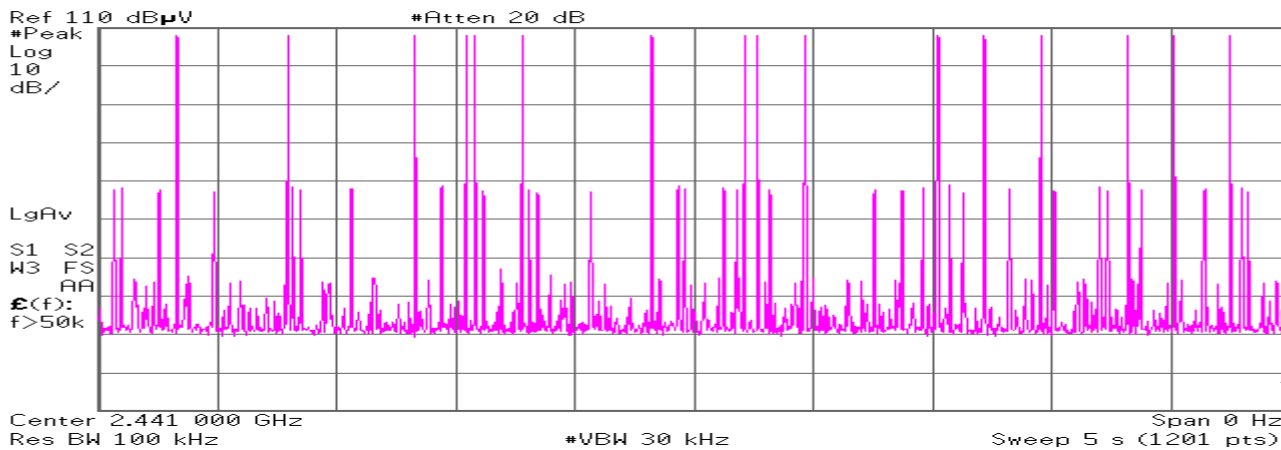
Count 1

Agilent 20:25:48 7 Jan 2009



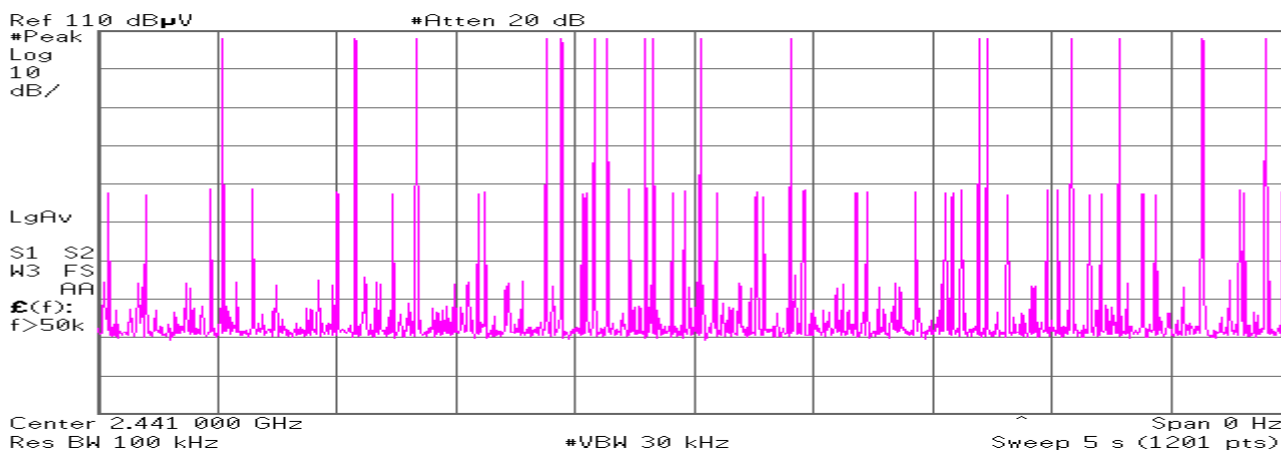
Count 2

Agilent 20:27:29 7 Jan 2009



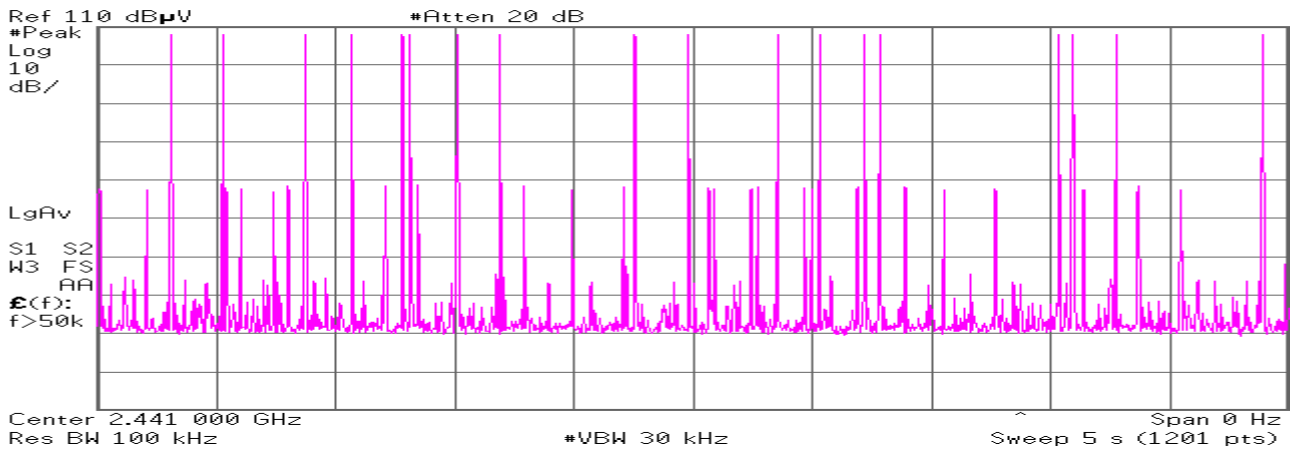
Count 3

Agilent 20:28:14 7 Jan 2009



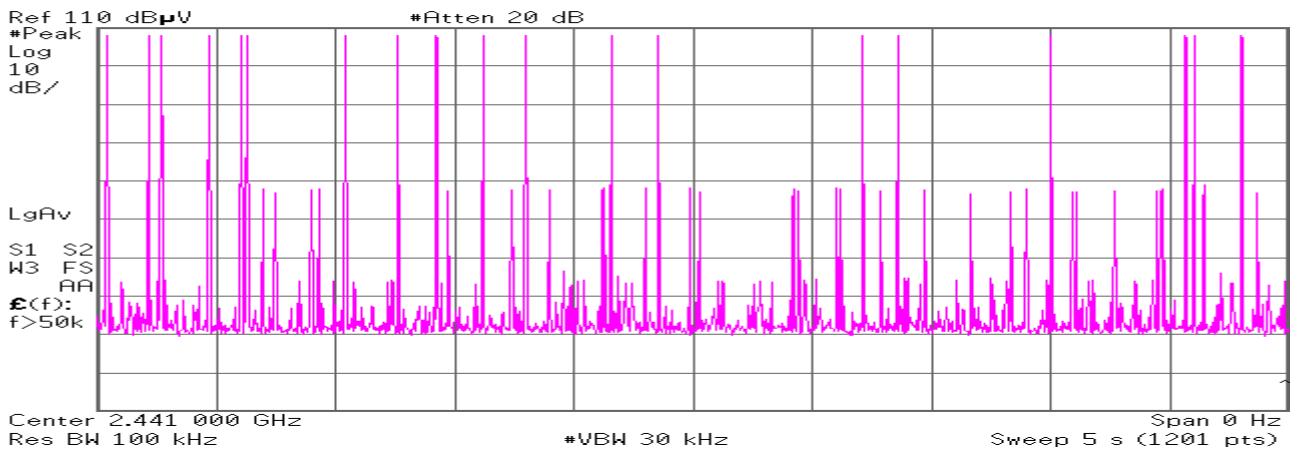
Count 4

Agilent 20:29:05 7 Jan 2009

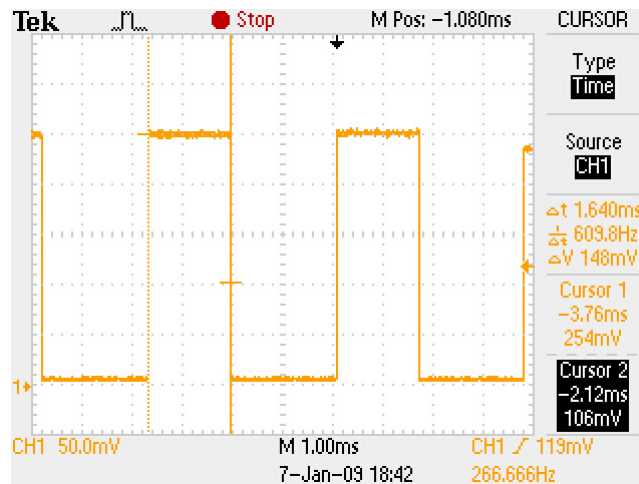


Count 5

Agilent 20:30:24 7 Jan 2009



Duty cycle(Hopping DH3)

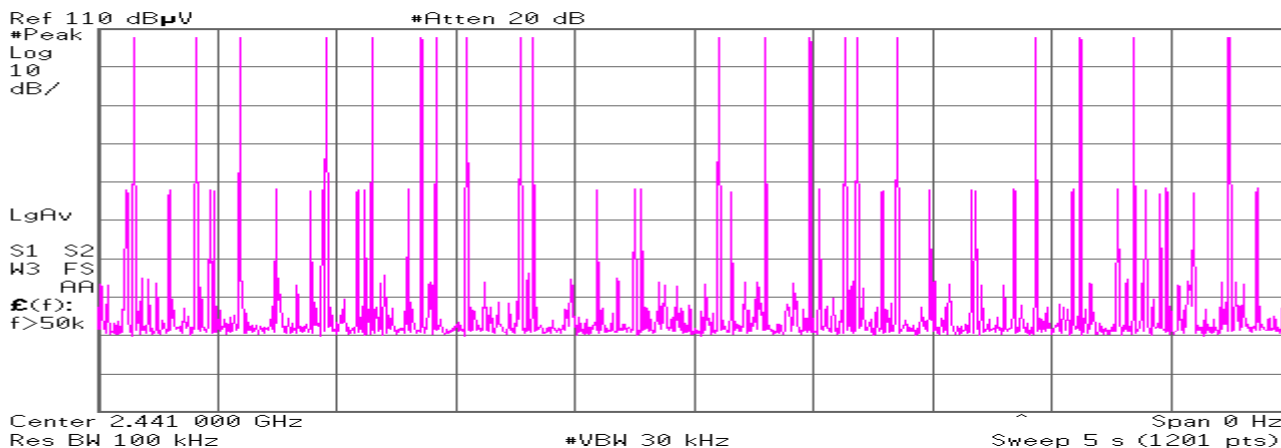


Average times of rising in 5 sec. of sweep = $(20 + 16 + 17 + 18 + 19) / 5 = 18$
 Average times of rising in 1 sec. = $18 / 5s = 3.6$
 Average times of rising in 0.4x = $0.4 * 79ch * 3.6 = 113.76$
 Dwell time = $113.76 * 1.64 = 186.57 [ms]$
 Limit : Dwell Time < 0.4[s]

Hopping (DHS):

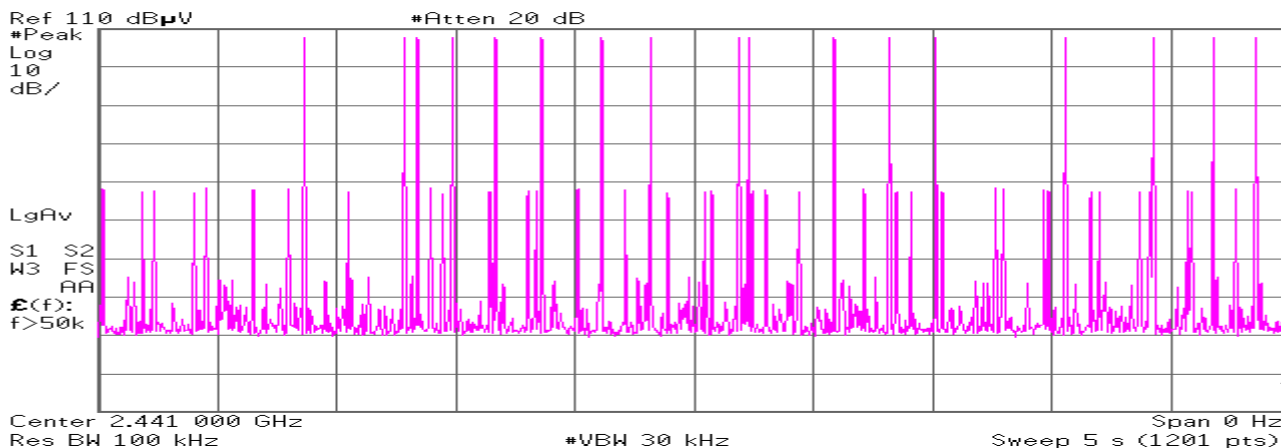
Count 1

Agilent 20:32:21 7 Jan 2009



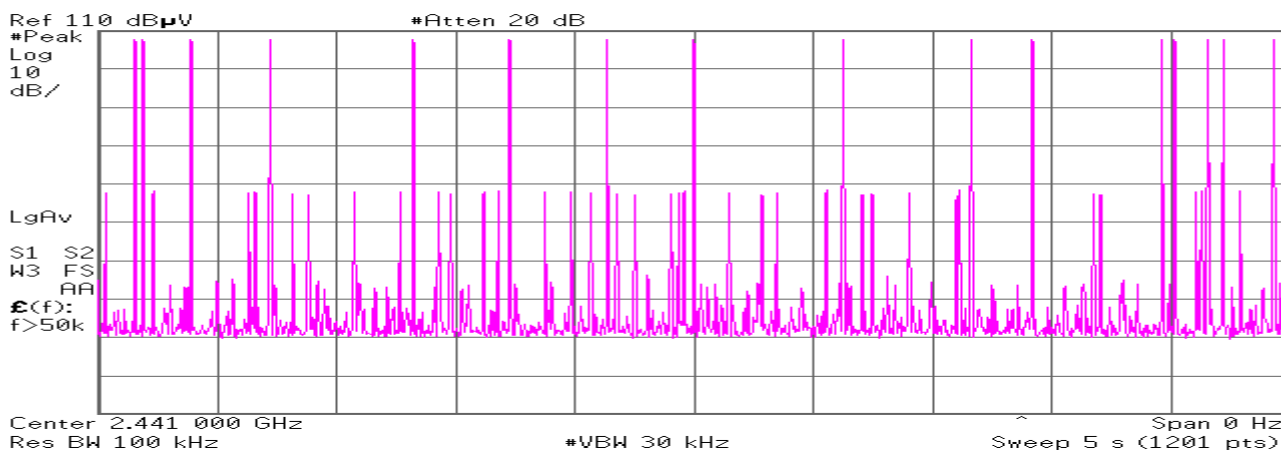
Count 2

Agilent 20:33:17 7 Jan 2009



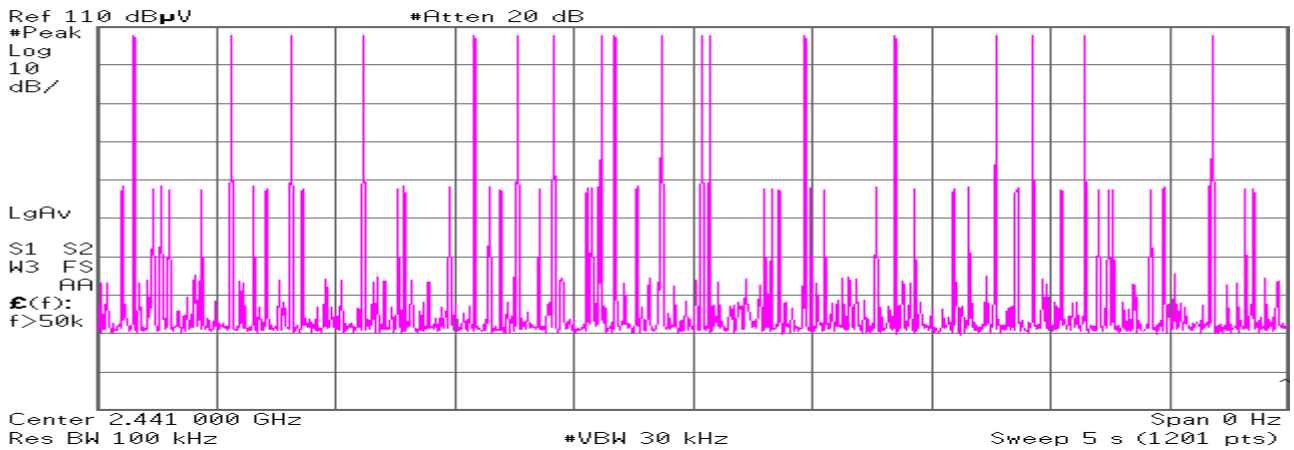
Count 3

Agilent 20:34:15 7 Jan 2009



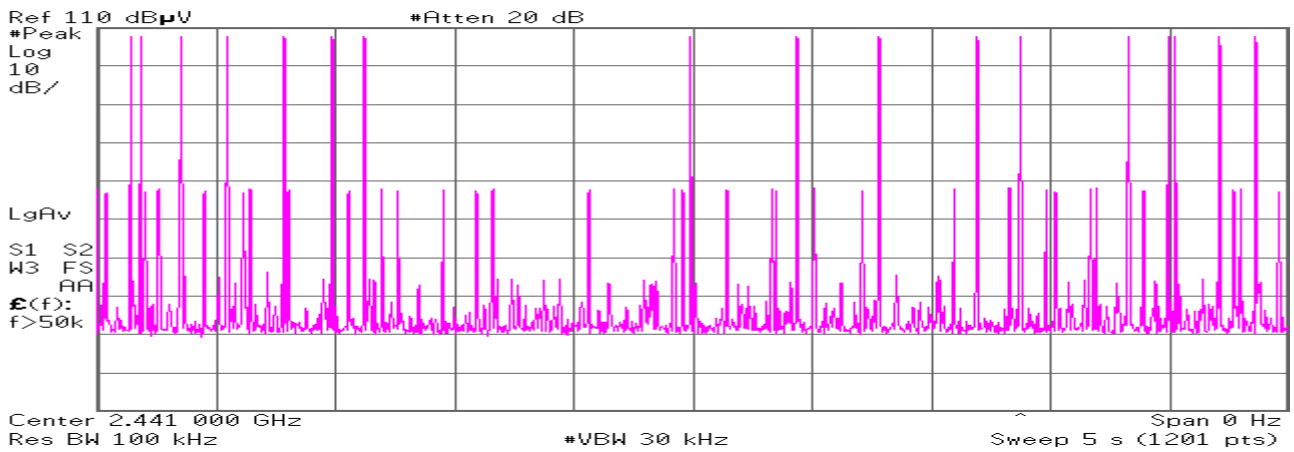
Count 4

Agilent 20:37:01 7 Jan 2009

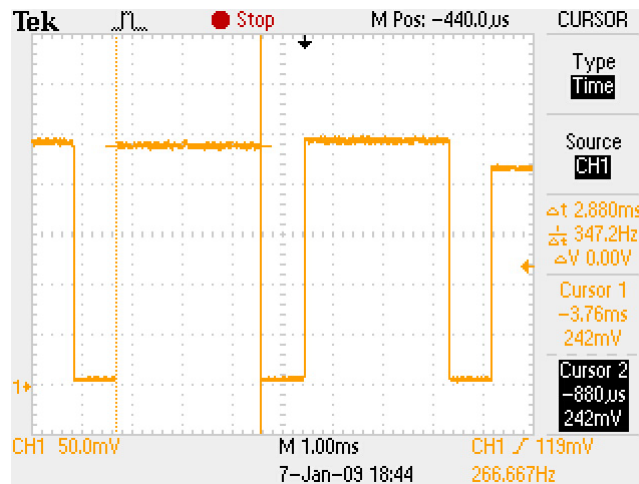


Count 5

Agilent 20:37:44 7 Jan 2009



Duty cycle(Hopping DH5)

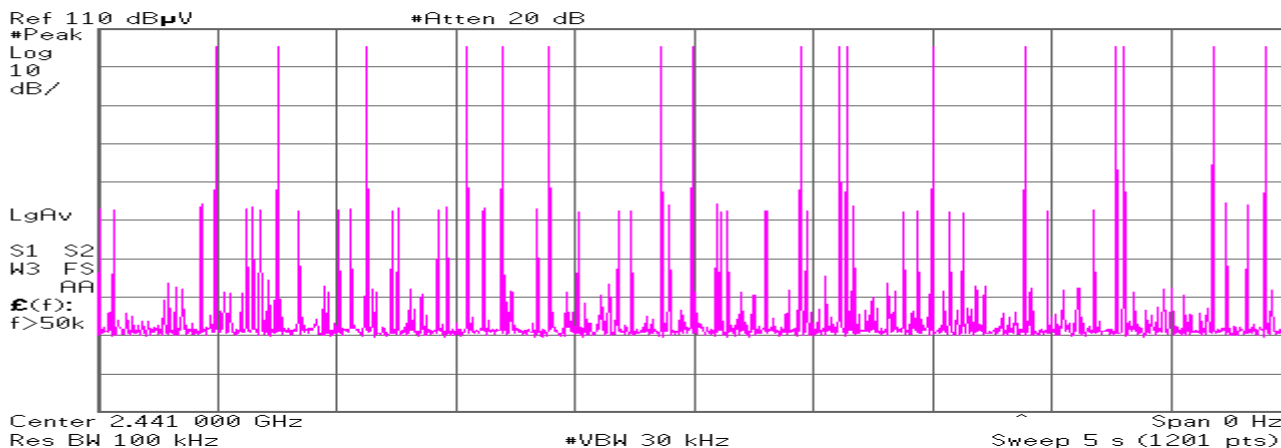


Average times of rising in 5 sec. of sweep = $(20 + 17 + 16 + 18 + 17) / 5 = 17.6$
 Average times of rising in 1 sec. = $17.6 / 5s = 3.52$
 Average times of rising in 0.4x = $0.4 * 79ch * 3.52 = 111.23$
 Dwell time = $111.23 * 2.88 = 320.34 [ms]$
 Limit : Dwell Time < 0.4[s]

Hopping (3DH1):

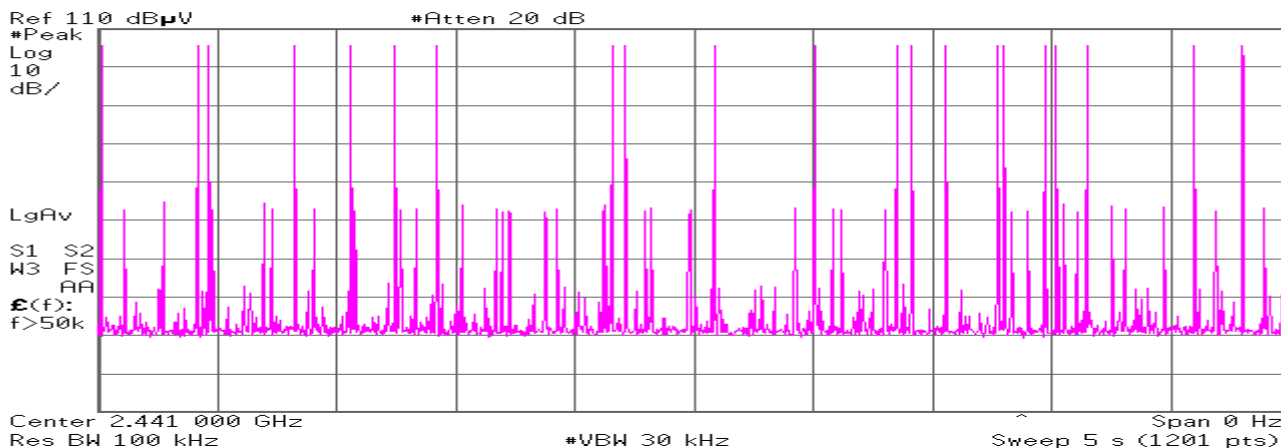
Count 1

Agilent 20:40:02 7 Jan 2009



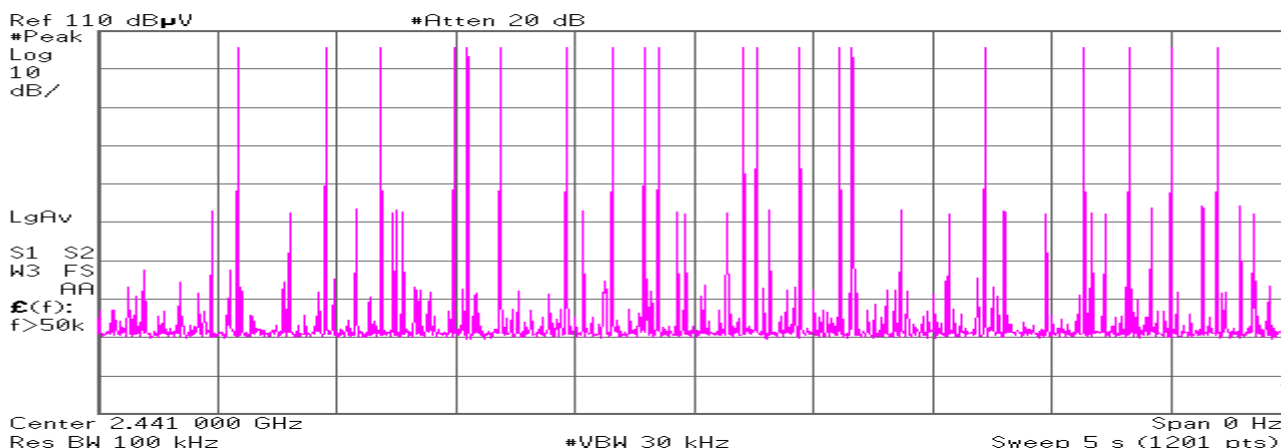
Count 2

Agilent 20:40:40 7 Jan 2009



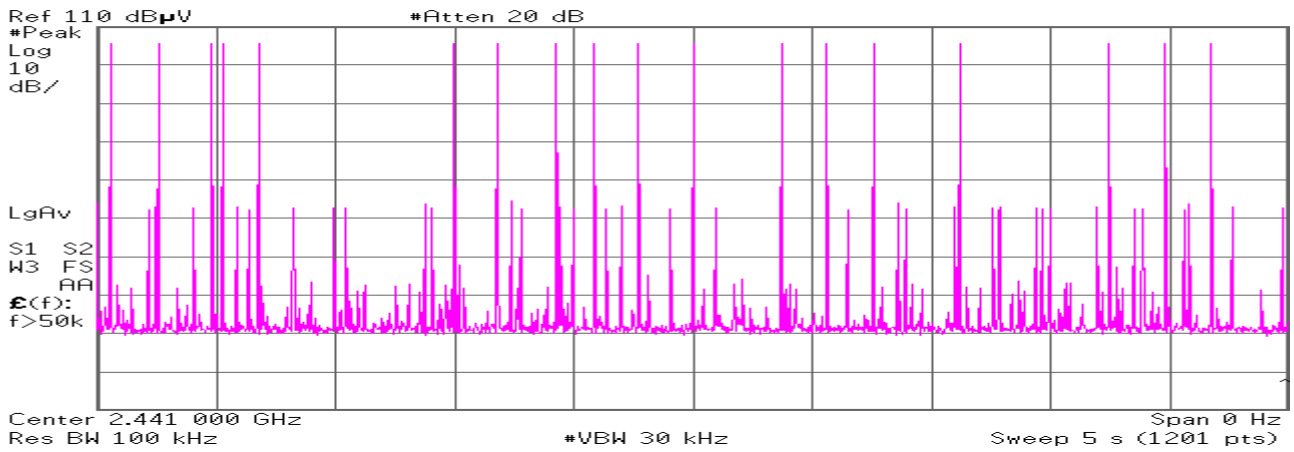
Count 3

Agilent 20:41:28 7 Jan 2009



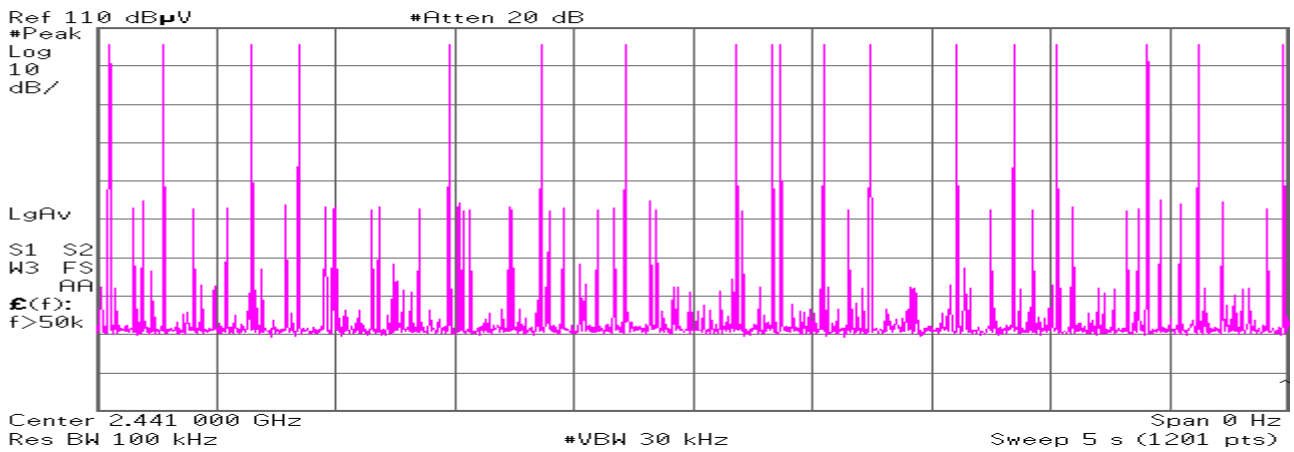
Count 4

Agilent 20:42:35 7 Jan 2009

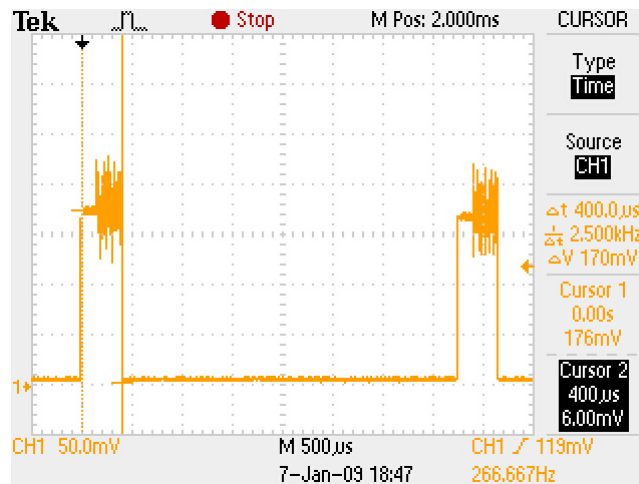


Count 5

Agilent 20:43:25 7 Jan 2009



Duty cycle(Hopping 3DH1)

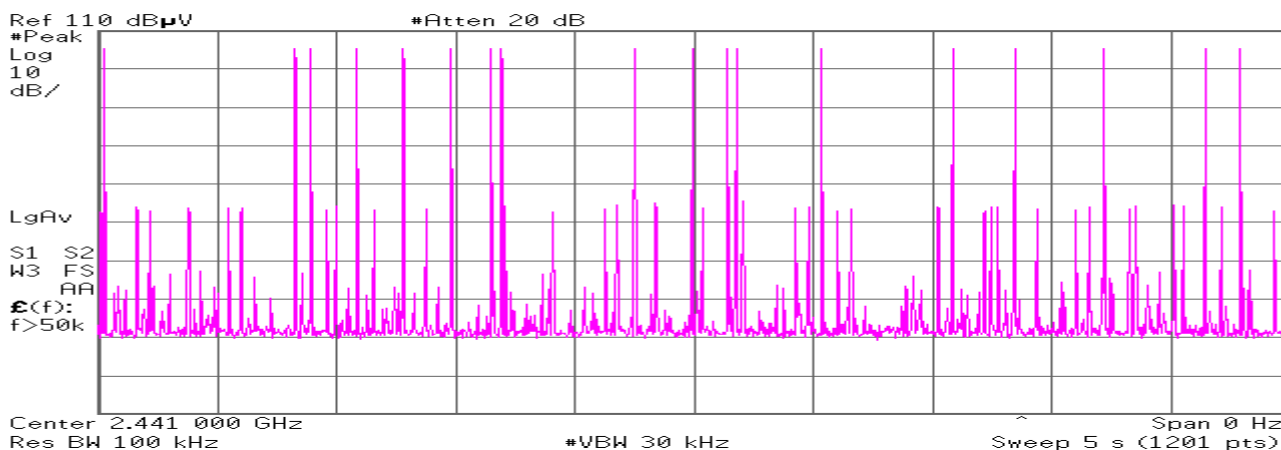


Average times of rising in 5 sec. of sweep = (17 + 21 + 20 + 18 + 18) / 5 = 18.8
 Average times of rising in 1 sec. = 18.8 / 5s = 3.76
 Average times of rising in 0.4x = 0.4 * 79ch * 3.76 = 118.82
 Dwell time = 118.82 * 0.4 = 47.53 [ms]
 Limit : Dwell Time < 0.4[s]

Hopping (3DH3):

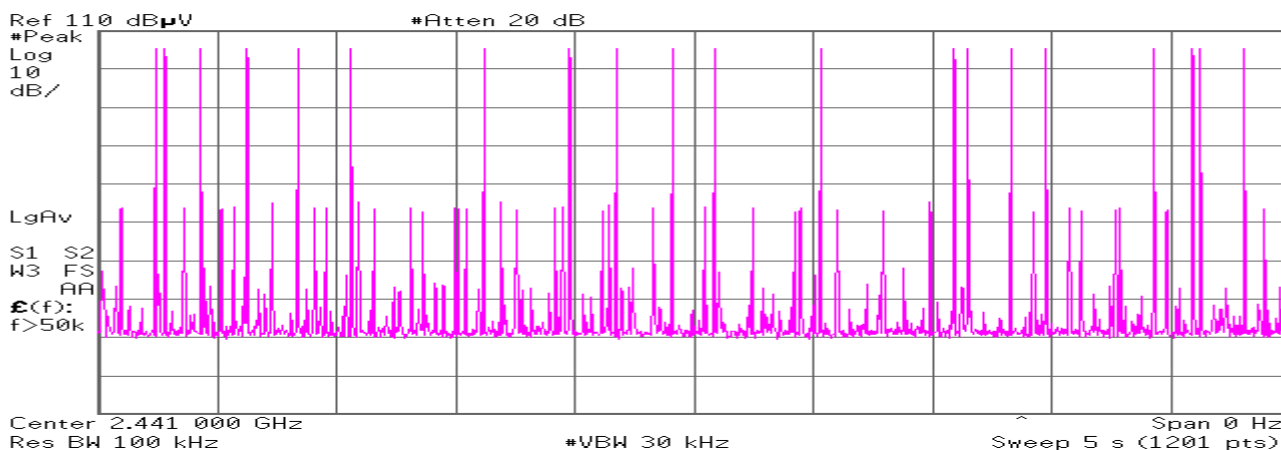
Count 1

Agilent 20:45:05 7 Jan 2009



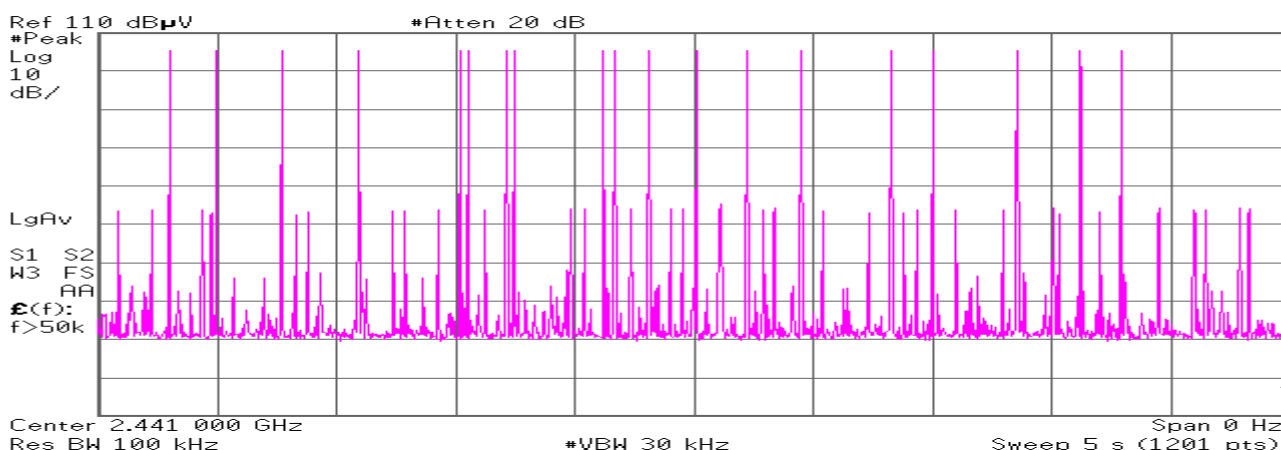
Count 2

Agilent 20:45:45 7 Jan 2009



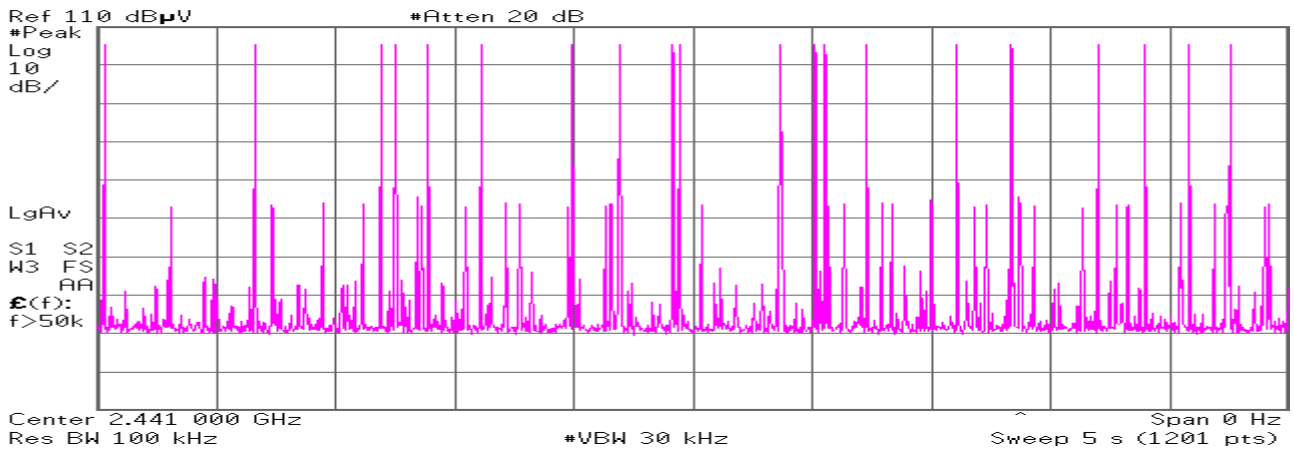
Count 3

Agilent 20:47:26 7 Jan 2009



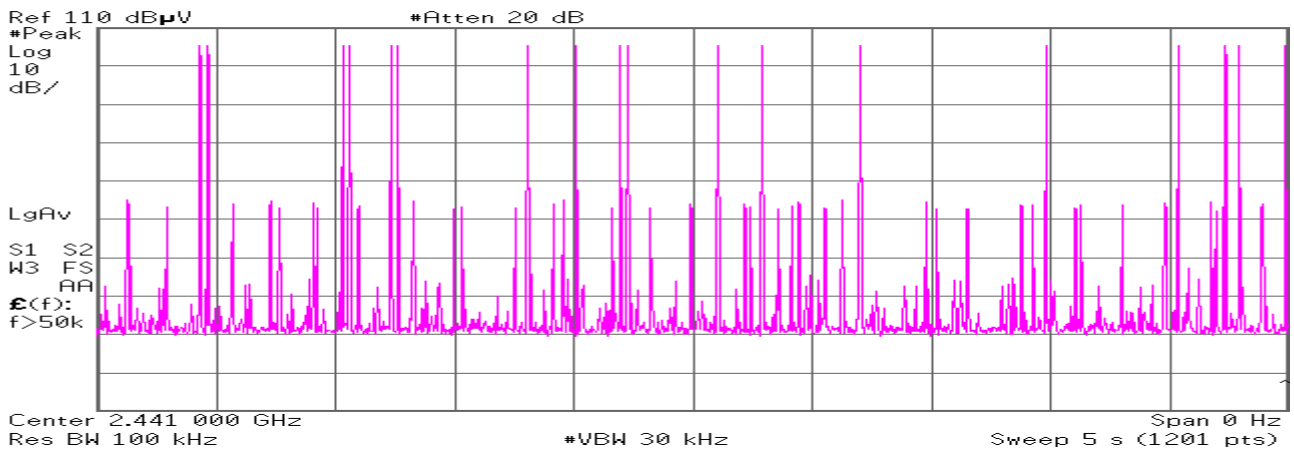
Count 4

Agilent 20:48:21 7 Jan 2009



Count 5

Agilent 20:49:34 7 Jan 2009



Duty cycle(Hopping 3DH3)

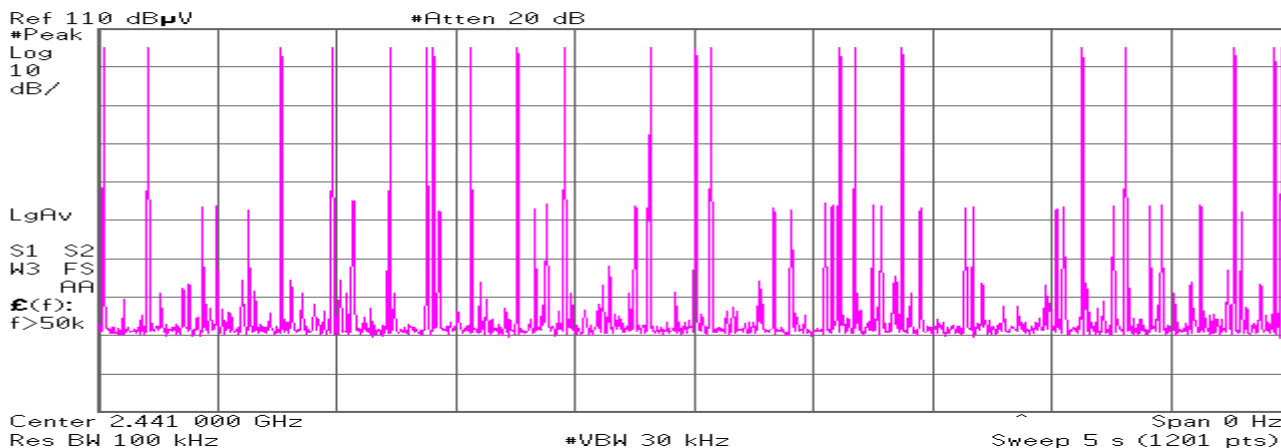


Average times of rising in 5 sec. of sweep = $(19 + 20 + 19 + 20 + 18) / 5 = 19.2$
 Average times of rising in 1 sec. = $19.2 / 5s = 3.84$
 Average times of rising in 0.4x = $0.4 * 79ch * 3.84 = 121.34$
 Dwell time = $121.34 * 1.68 = 203.85 [ms]$
 Limit : Dwell Time < 0.4[s]

Hopping (3DH5):

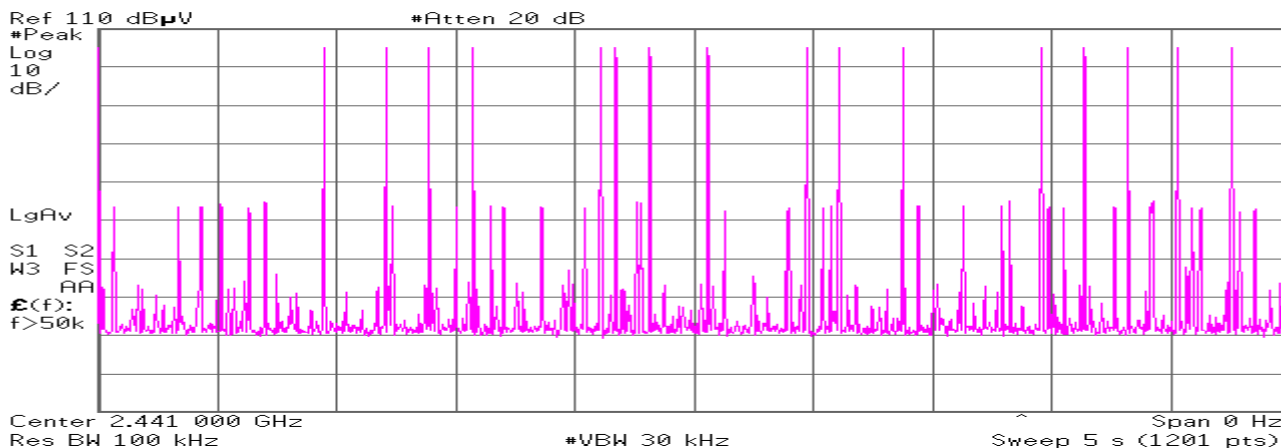
Count 1

Agilent 20:52:02 7 Jan 2009



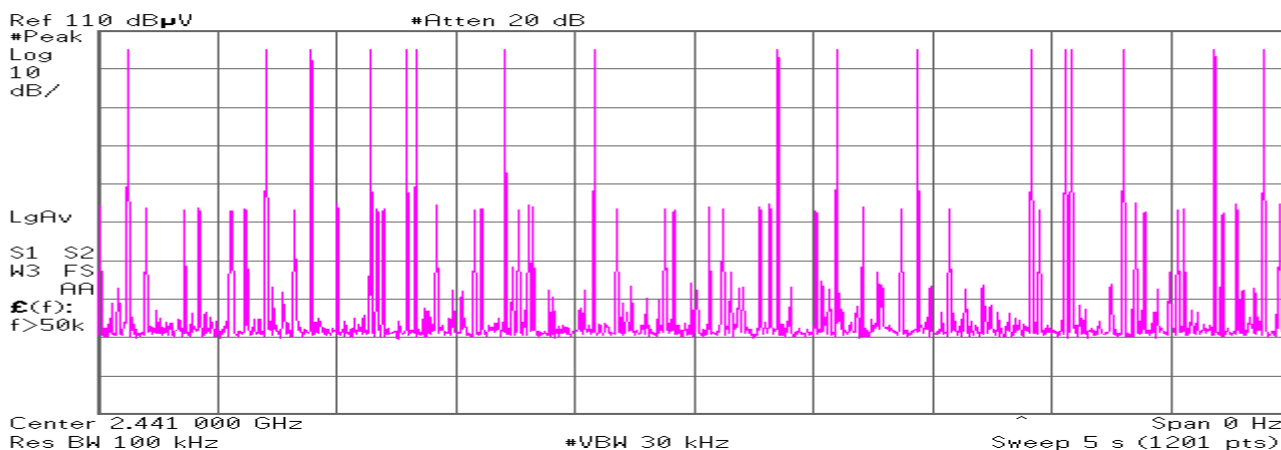
Count 2

Agilent 20:52:41 7 Jan 2009



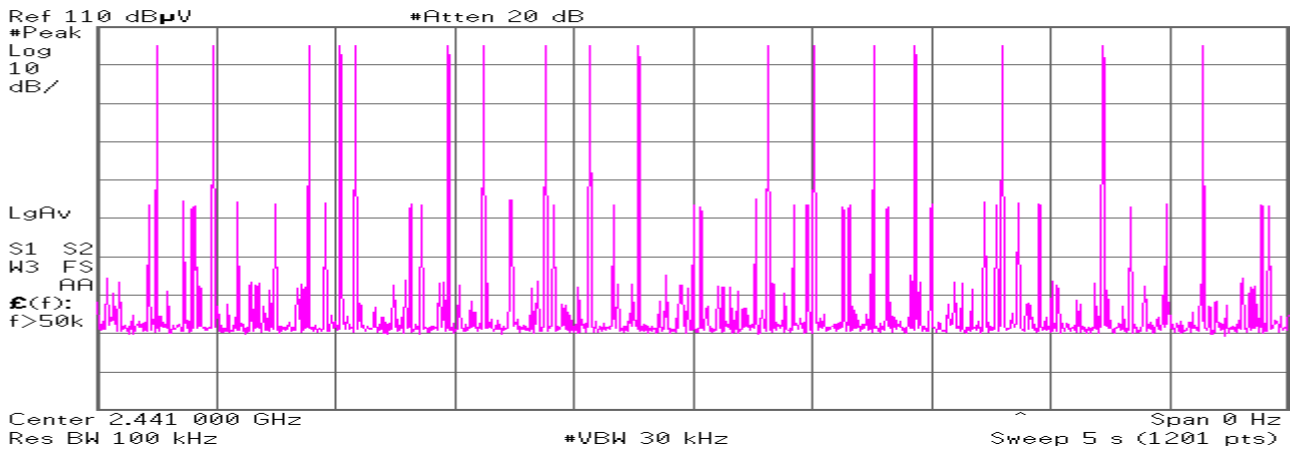
Count 3

Agilent 20:53:09 7 Jan 2009



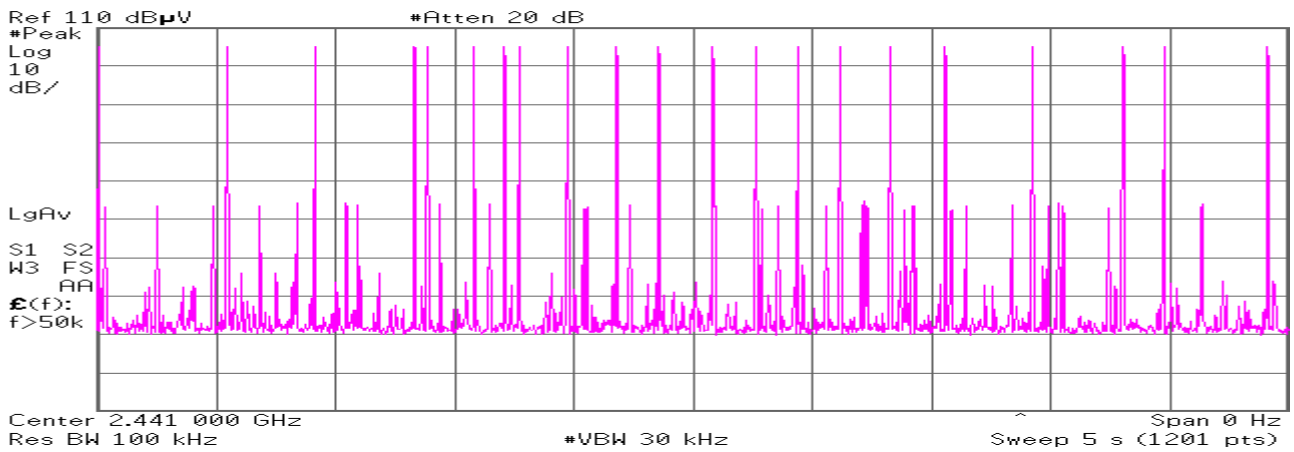
Count 4

Agilent 20:53:59 7 Jan 2009



Count 5

Agilent 20:54:40 7 Jan 2009



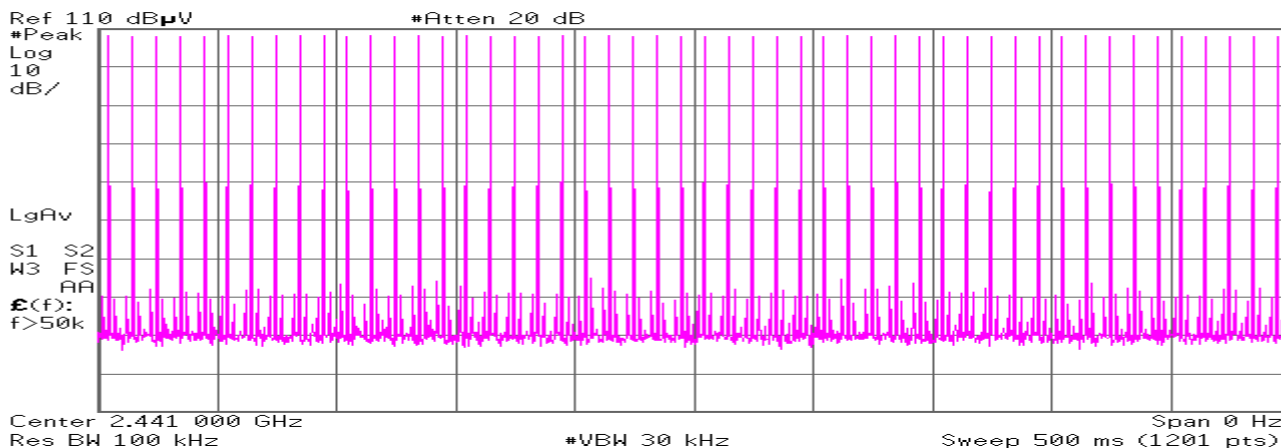
Duty cycle(Hopping 3DH5)



Average times of rising in 5 sec. of sweep = $(21 + 17 + 17 + 17 + 21) / 5 = 18.6$
 Average times of rising in 1 sec. = $18.6 / 5s = 3.72$
 Average times of rising in 0.4x = $0.4 * 79ch * 3.72 = 117.55$
 Dwell time = $117.55 * 2.92 = 343.25 [ms]$
 Limit : Dwell Time < 0.4[s]

Inquiry:
Count 1

Agilent 20:58:39 7 Jan 2009



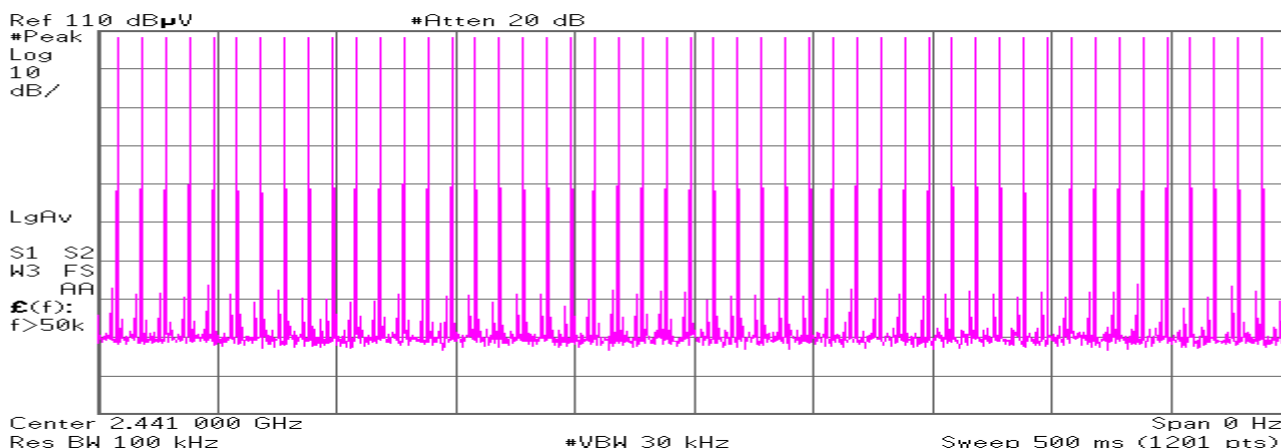
Count 2

Agilent 20:59:33 7 Jan 2009



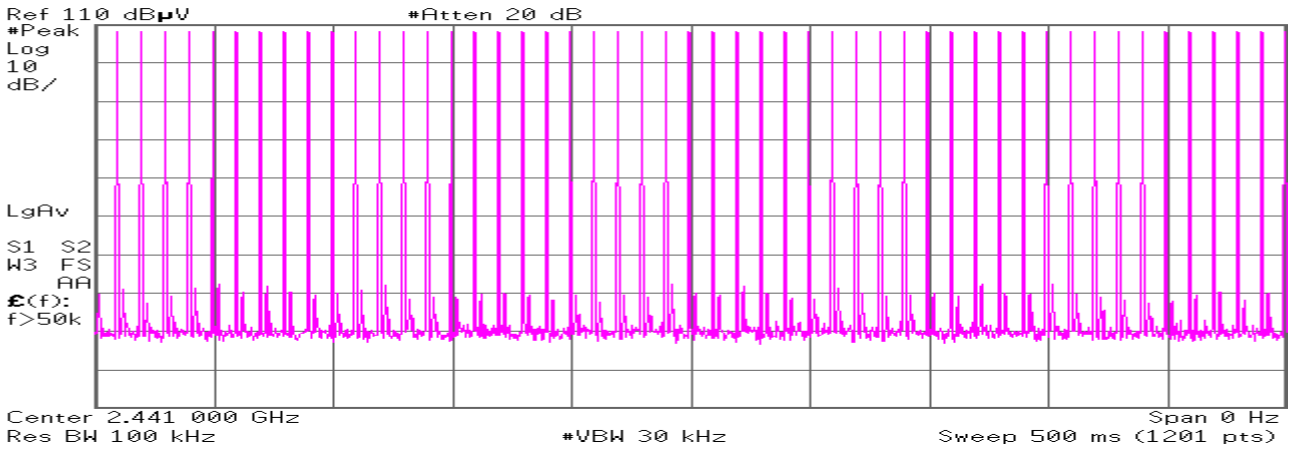
Count 3

Agilent 21:00:35 7 Jan 2009



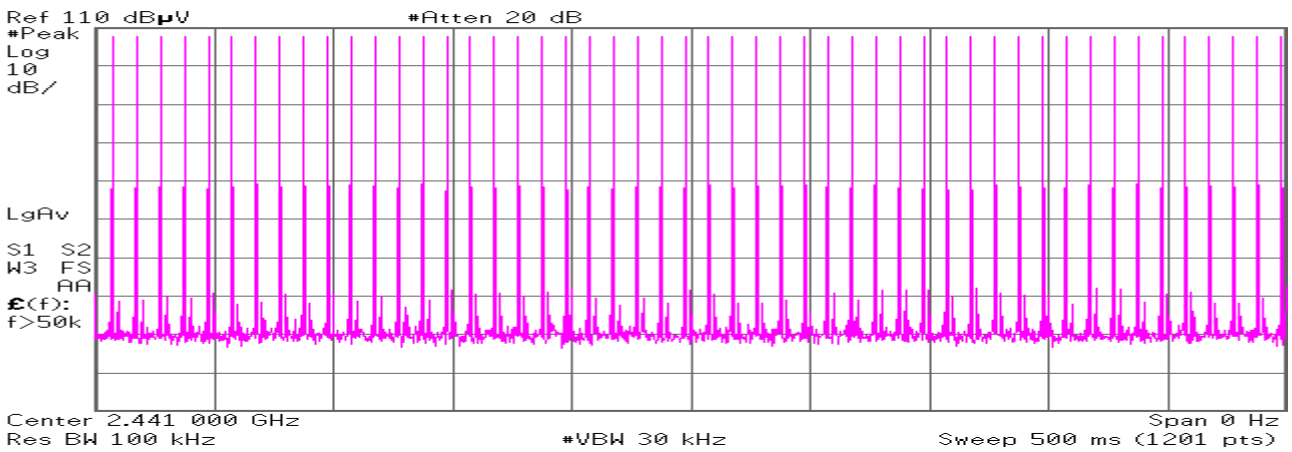
Count 4

Agilent 21:02:00 7 Jan 2009

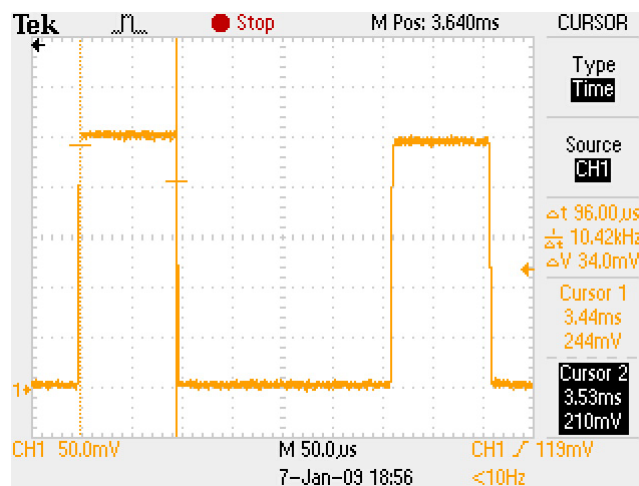


Count 5

Agilent 21:03:06 7 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.1 Shielded Room

DATE: 2009/1/9
 TEMP./HUMID.: 23deg.C/31%
 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	1.15	1.11	2.26	20.96	18.70
Mid	2441.00	1.68	1.14	2.82	20.96	18.14
High	2480.00	0.53	1.20	1.73	20.96	19.23
Inquiry	-	1.69	1.20	2.89	20.96	18.07

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:Customer's cable + KCC-D20

2DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	0.29	1.11	1.40	20.96	19.56
Mid	2441.00	0.84	1.14	1.98	20.96	18.98
High	2480.00	-0.31	1.20	0.89	20.96	20.07

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:Customer's cable + KCC-D20

3DH5

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	0.77	1.11	1.88	20.96	19.08
Mid	2441.00	1.25	1.14	2.39	20.96	18.57
High	2480.00	0.18	1.20	1.38	20.96	19.58

Limit: 125mW=20.96dBm

P/M: Power Meter

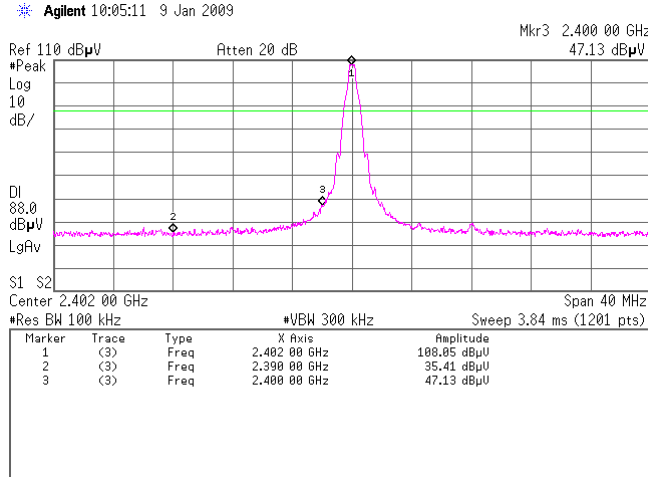
CABLE LOSS:Customer's cable + KCC-D20

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

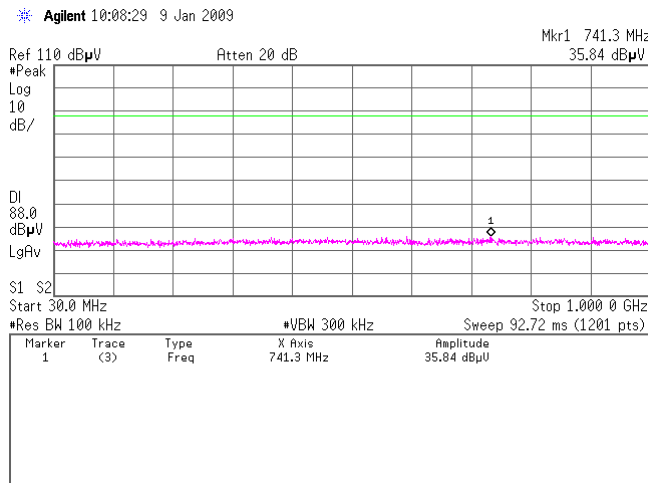
UL Japan, Inc. Yamakita EMC lab. No.1 shielded room
 Date: 2009/1/9
 Temp: 23 deg. C.
 Humid: 31 %
 Engineer: Tatsuya Arai
 Test mode: Transmitting

[Transmitting DHS]
 Ch:2402MHz

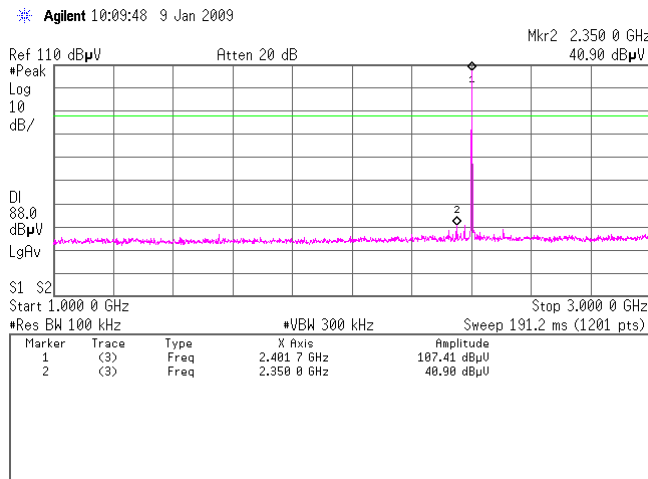
1.



2.

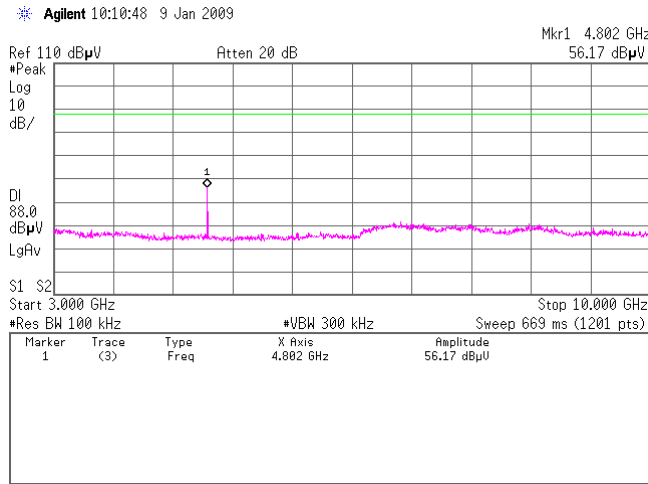


3.

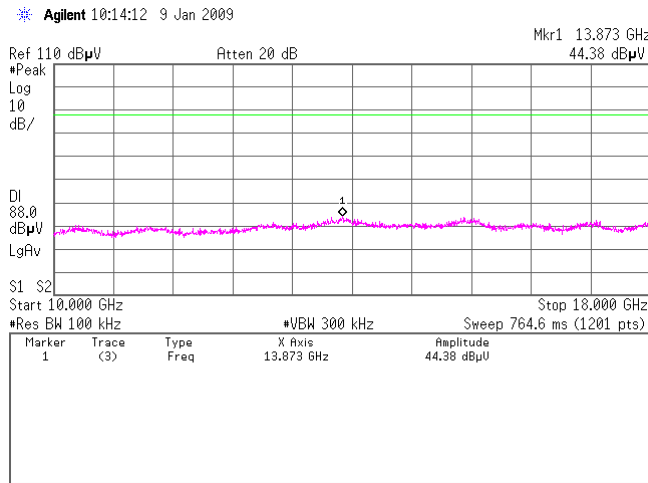


[Transmitting DH5]
 Ch:2402MHz

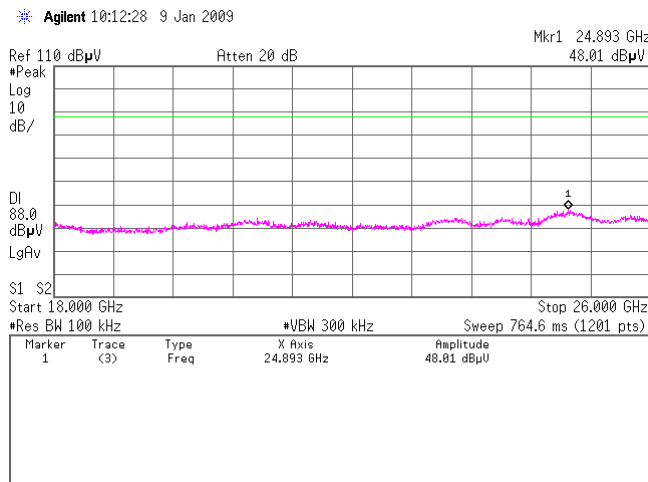
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5.

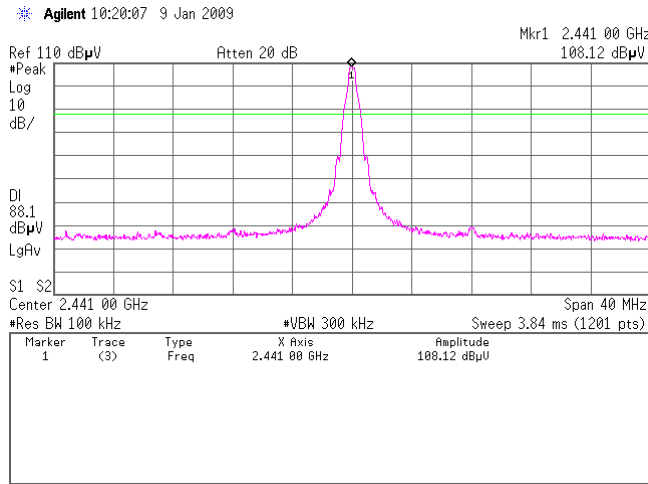


6.

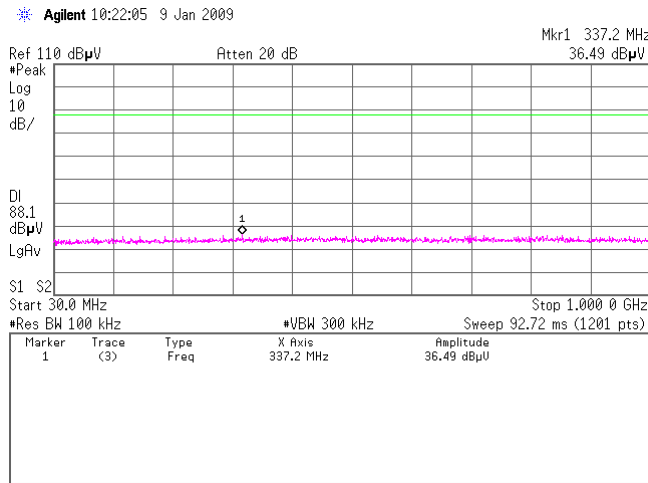


[Transmitting DH5]
Ch:2441MHz

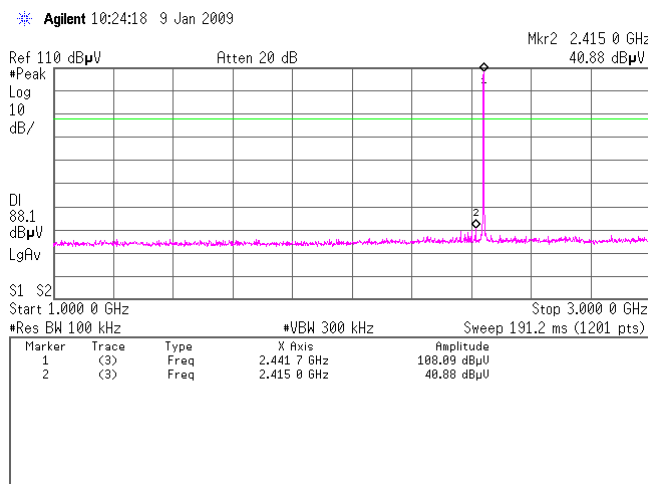
1.



2.

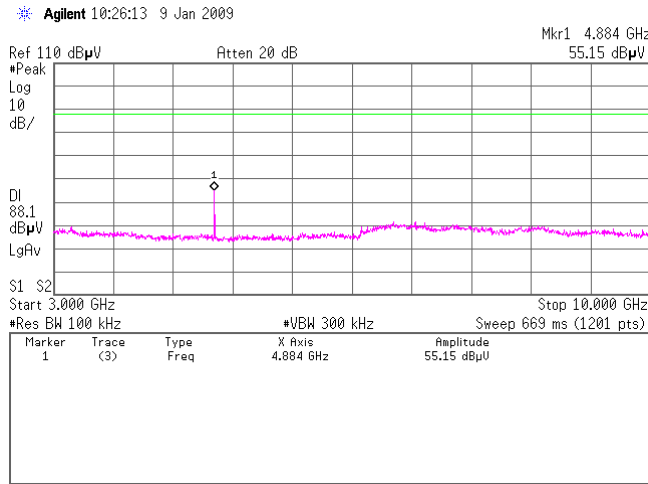


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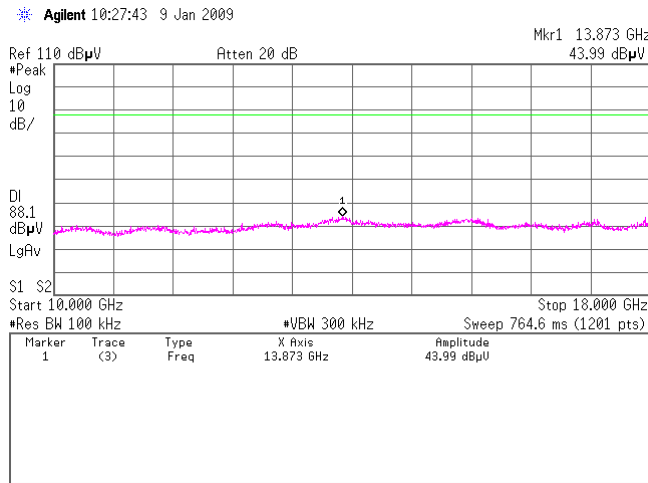


[Transmitting DH5]
Ch:2441MHz

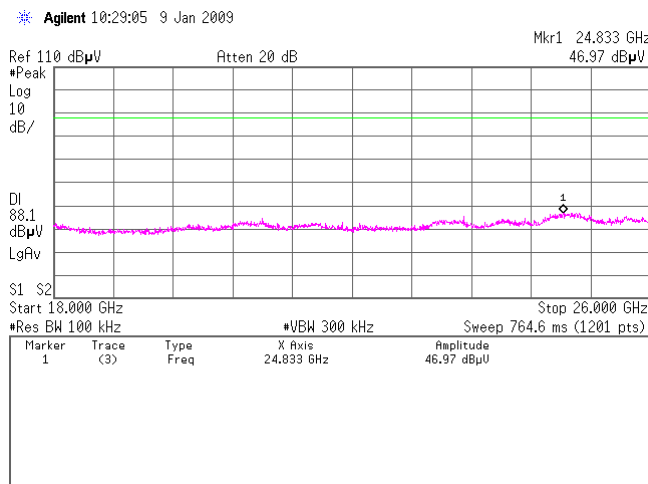
4.



5.

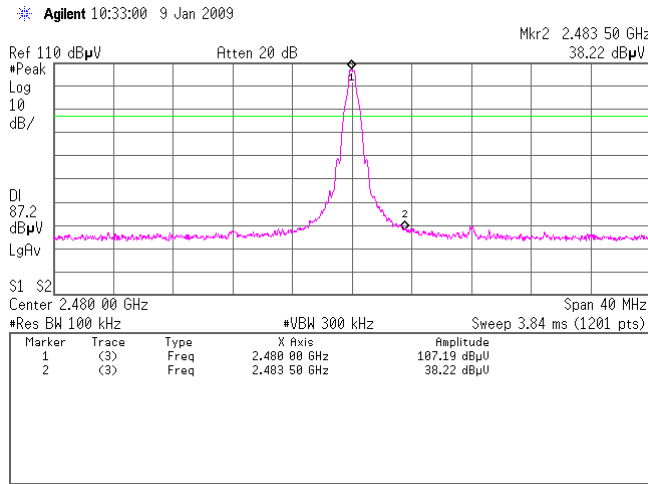


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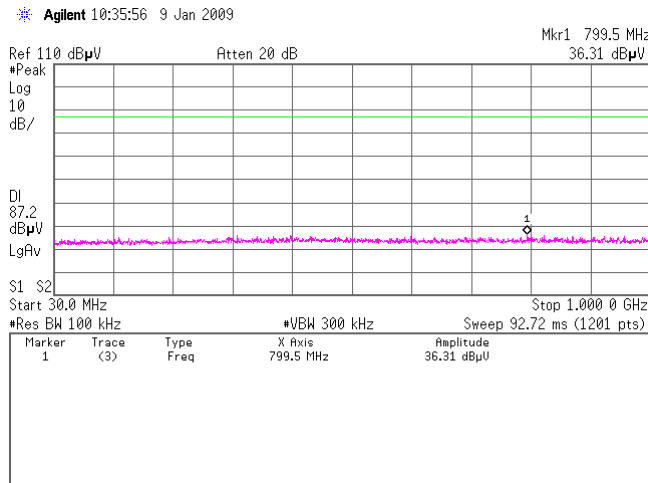


[Transmitting DH5]
Ch:2480MHz

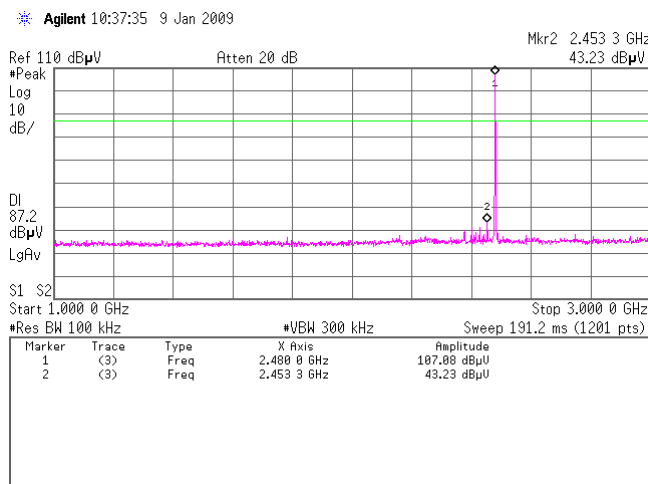
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2.

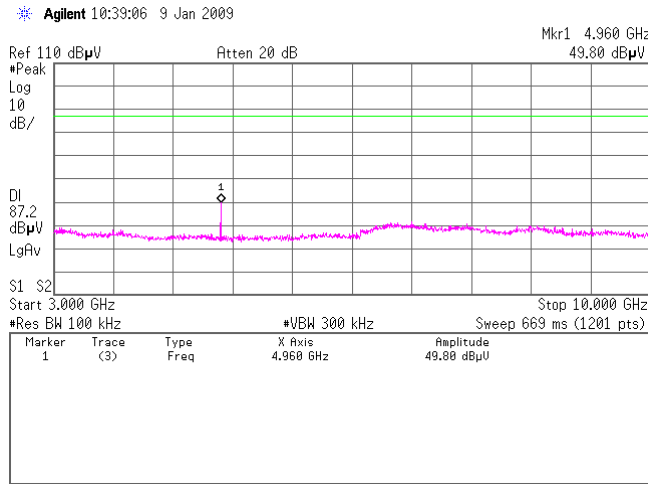


3.

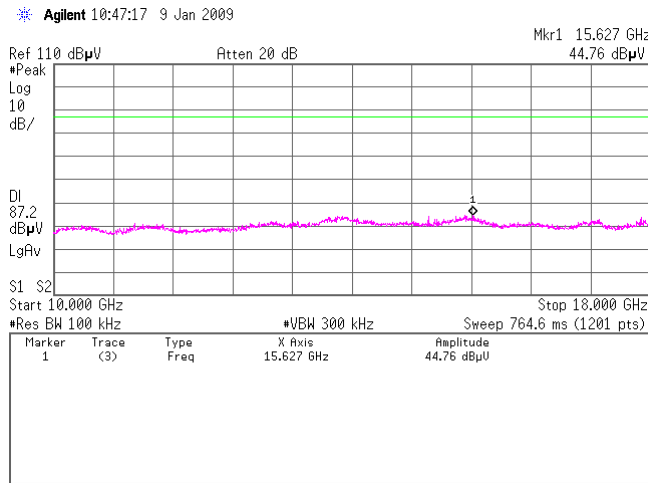


[Transmitting DH5]
Ch:2480MHz

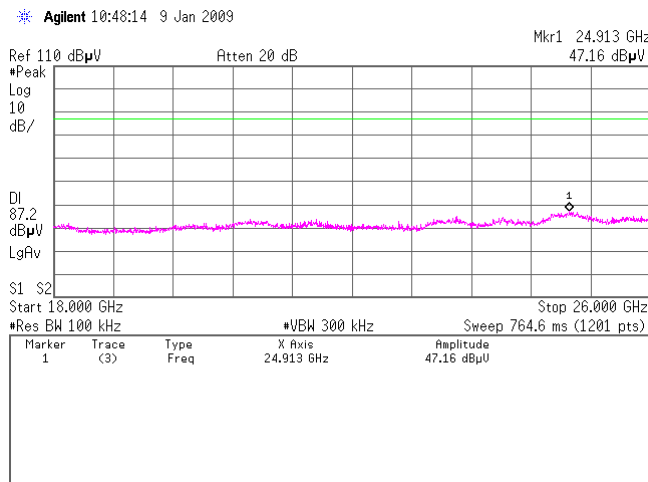
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5.

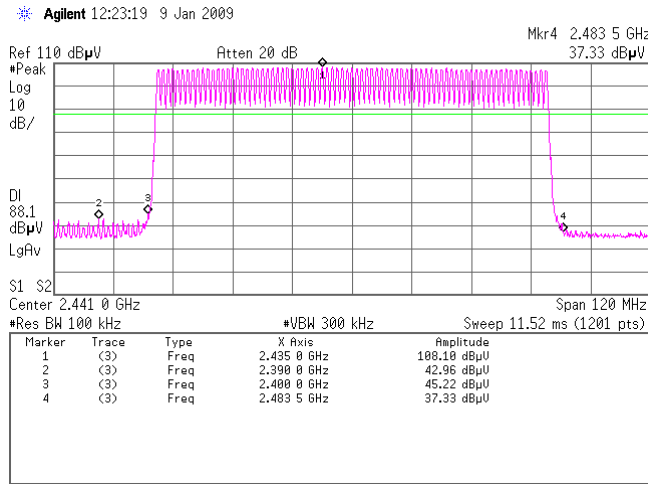


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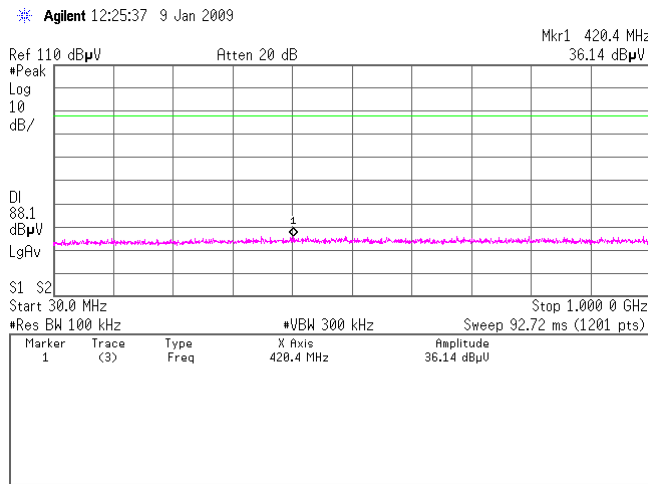


[Transmitting DH5]
Hopping

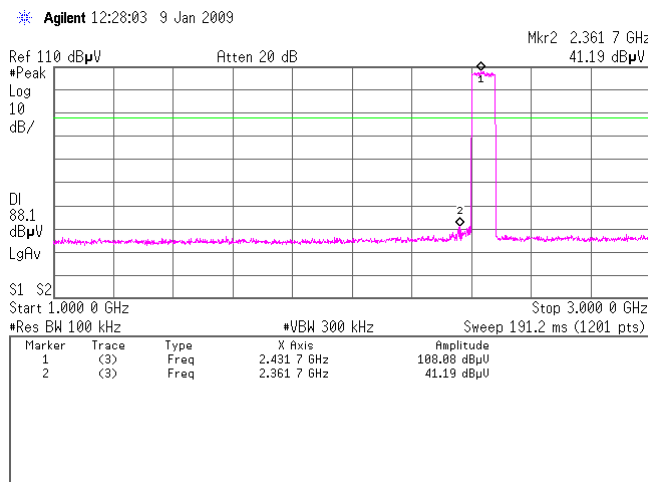
1.



2.

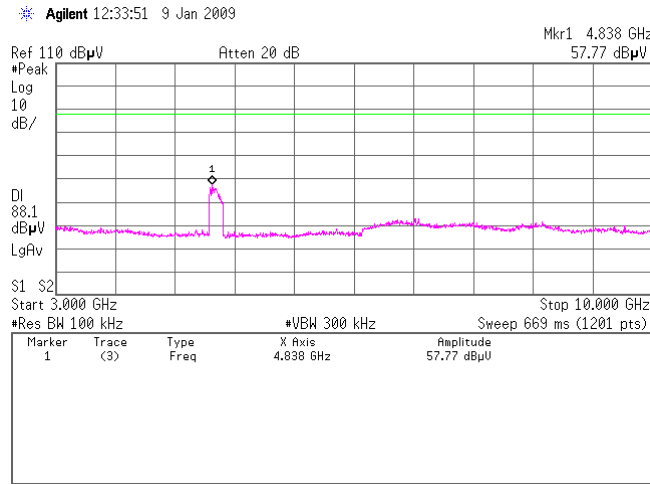


3.

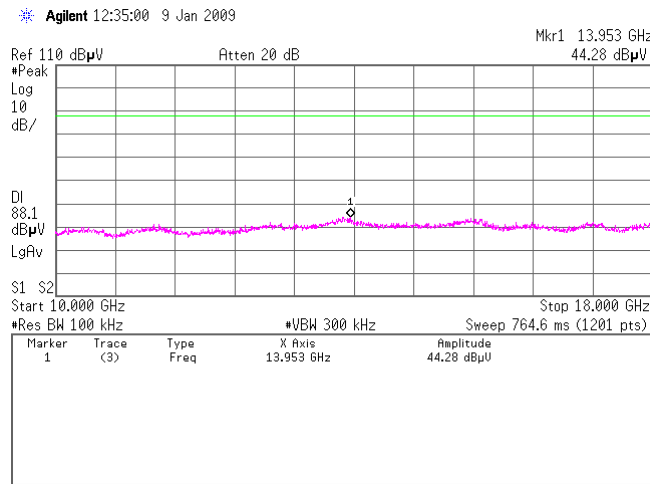


[Transmitting DH5]
Hopping

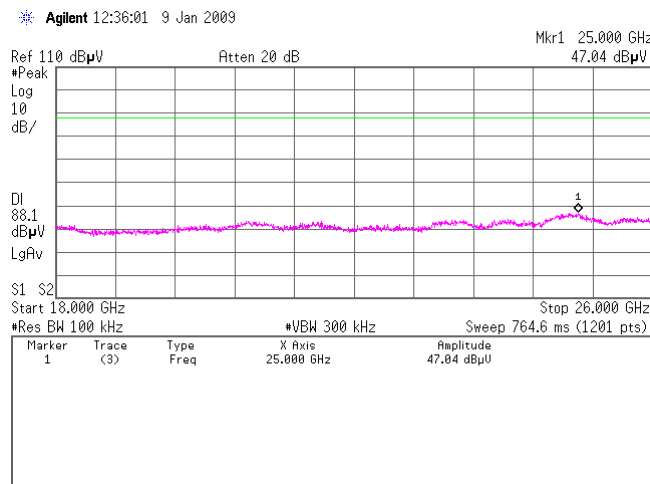
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5.

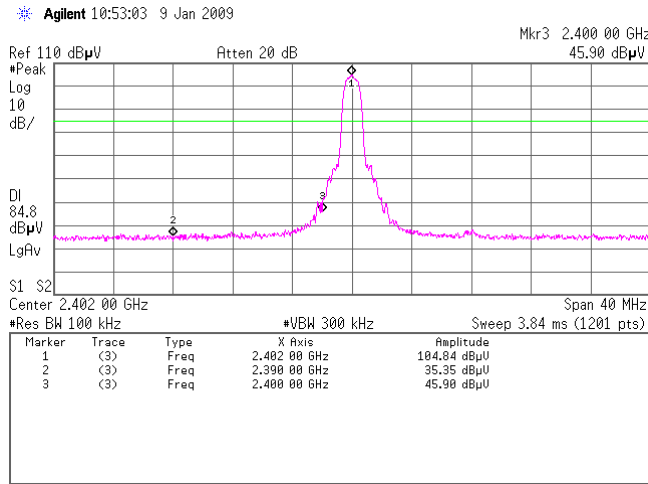


6.

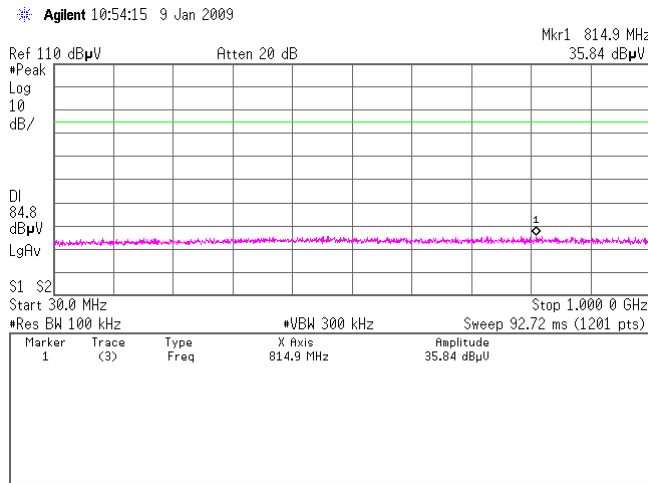


[Transmitting 3DH5]
Ch:2402MHz

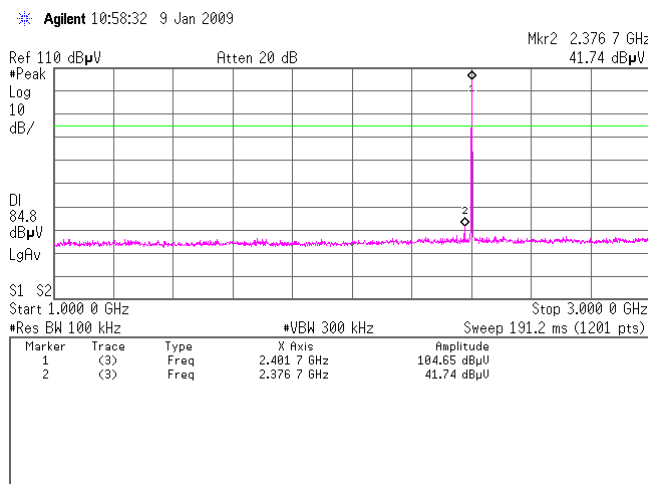
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2.

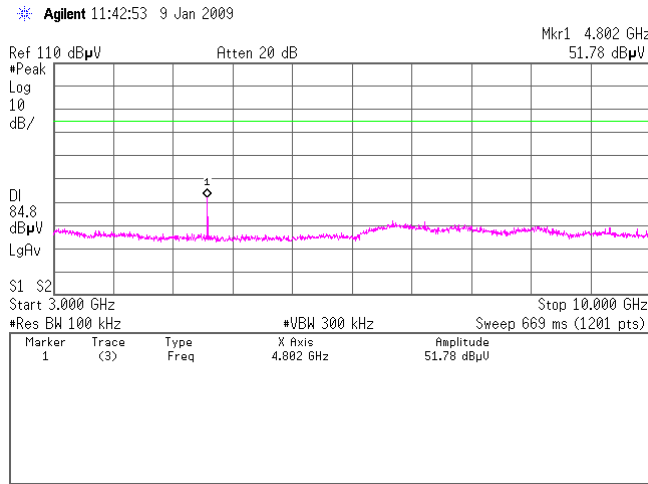


3.

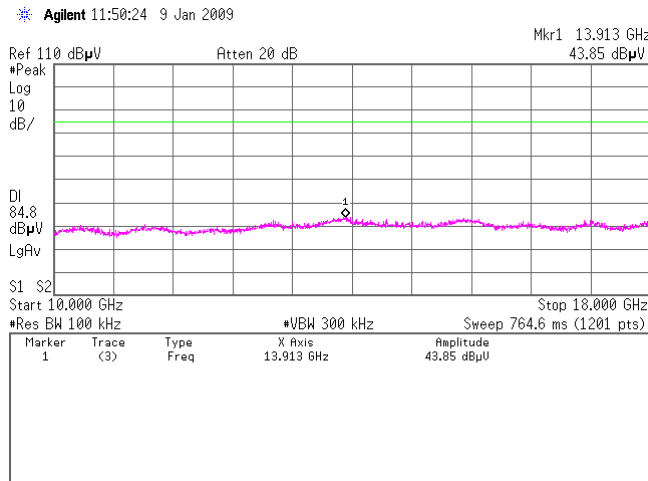


[Transmitting 3DH5]
Ch:2402MHz

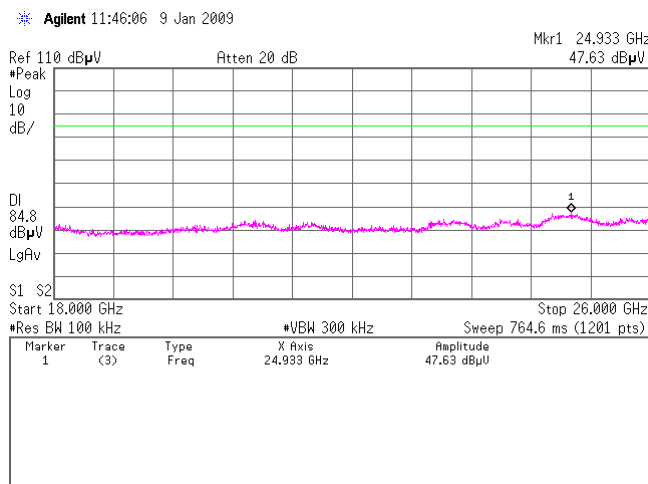
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5.

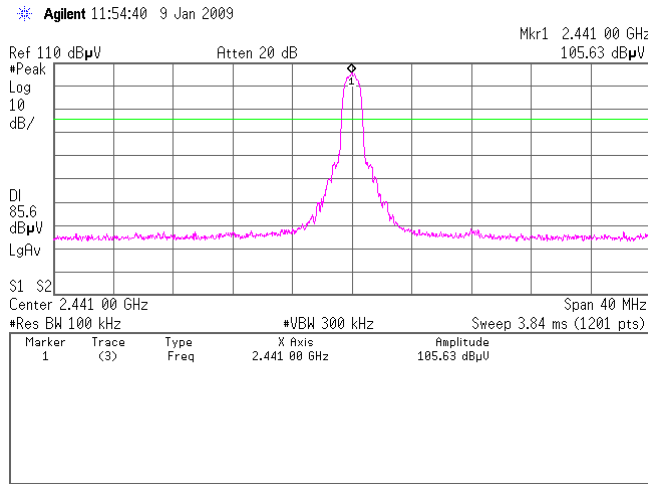


6.

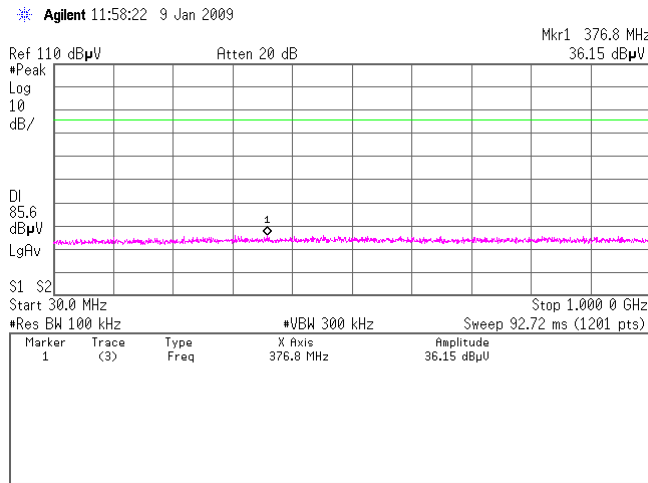


[Transmitting 3DH5]
Ch:2441MHz

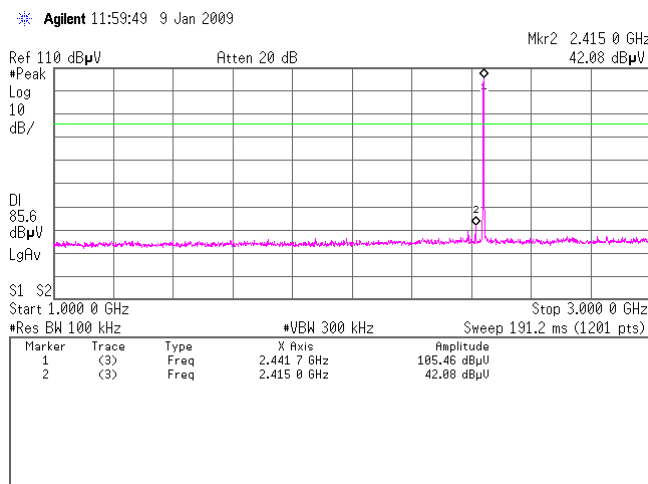
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2.

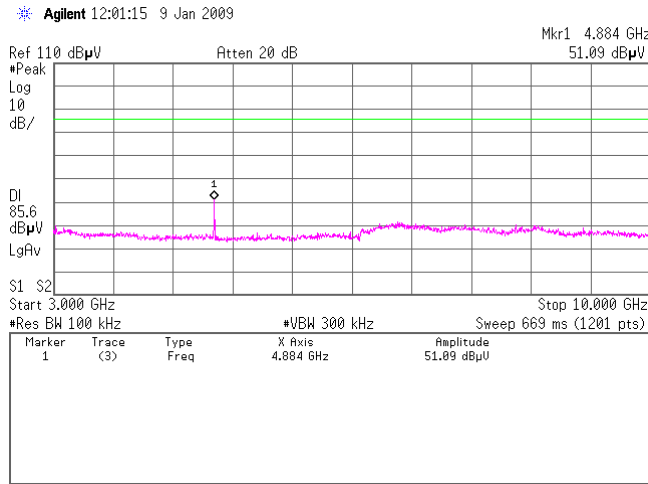


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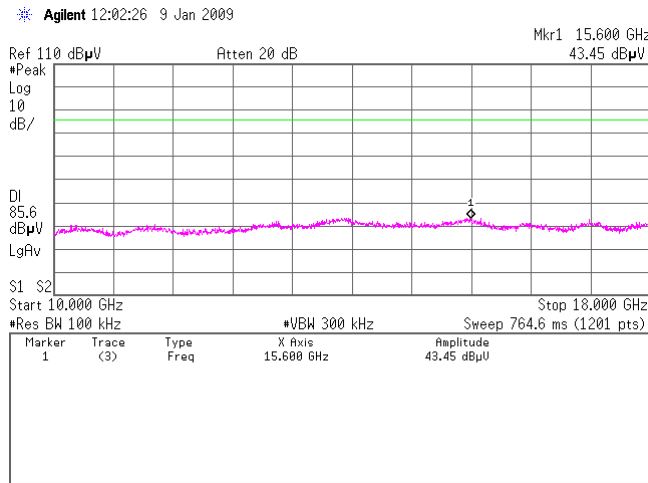


[Transmitting 3DH5]
Ch:2441MHz

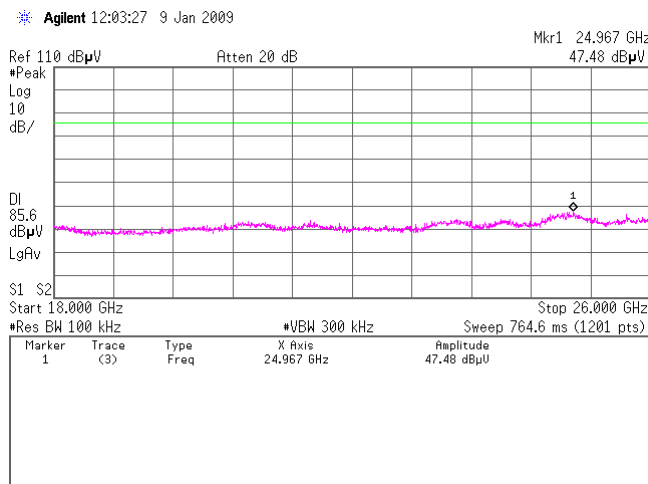
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5.

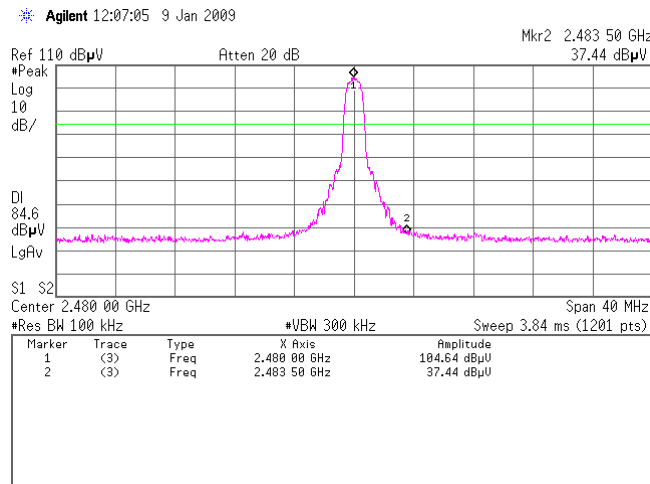


6.

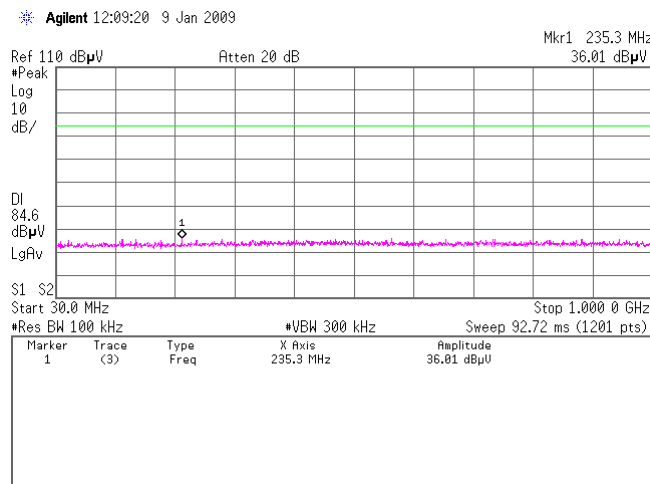


[Transmitting 3DH5]
Ch:2480MHz

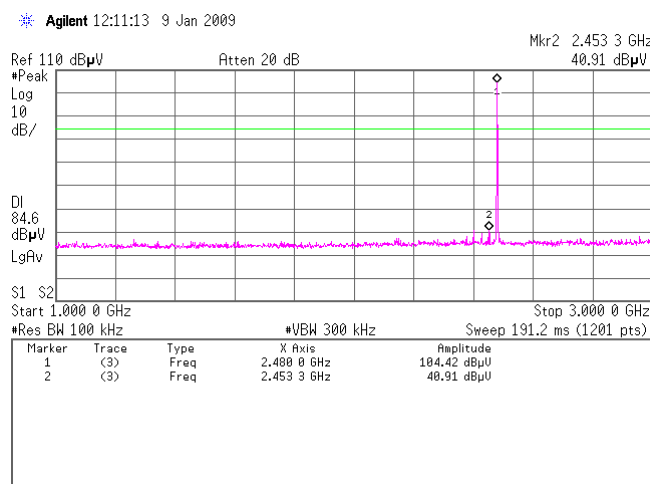
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2.

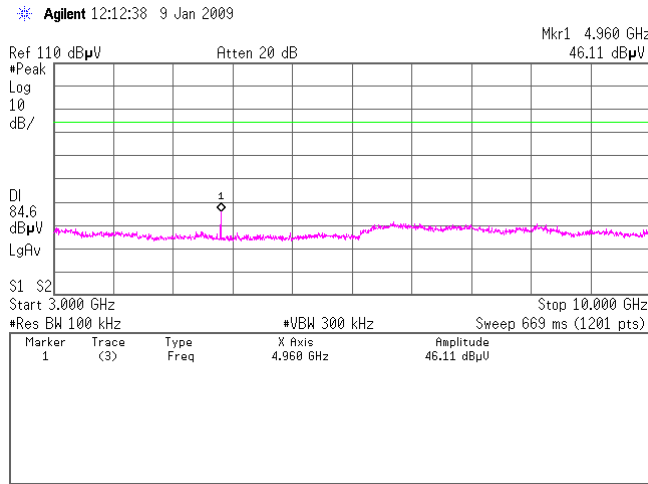


3.

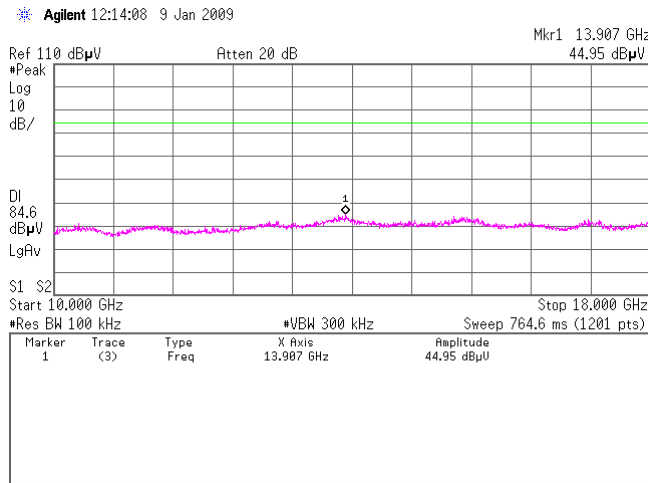


[Transmitting 3DH5]
 Ch:2480MHz

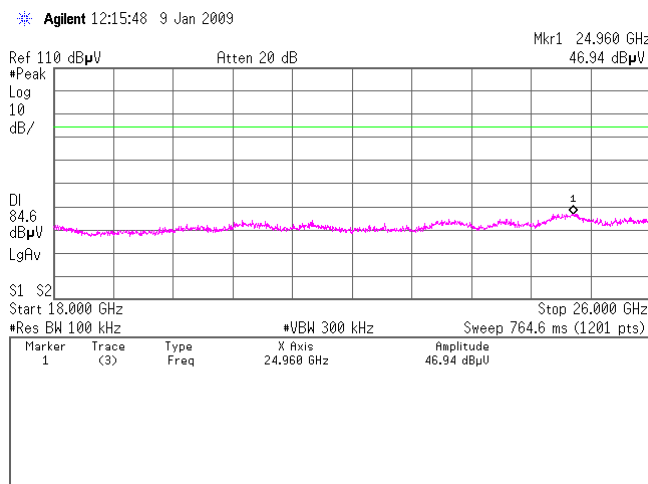
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5.

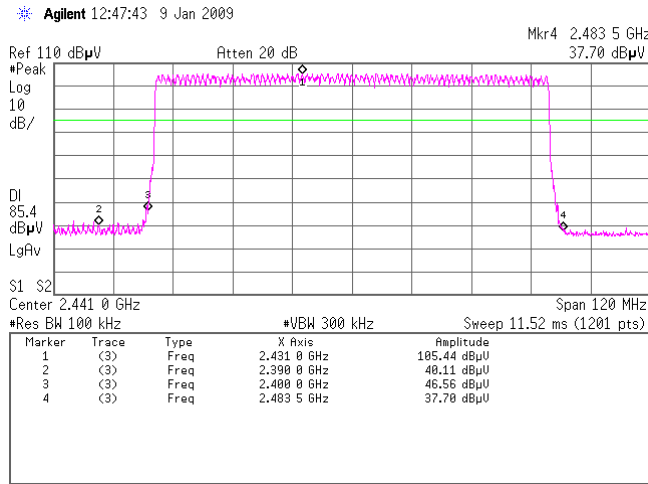


6.

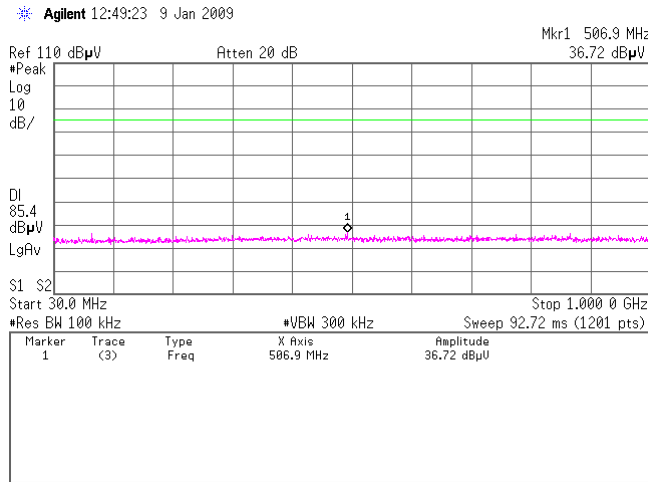


[Transmitting 3DH5]
Hopping

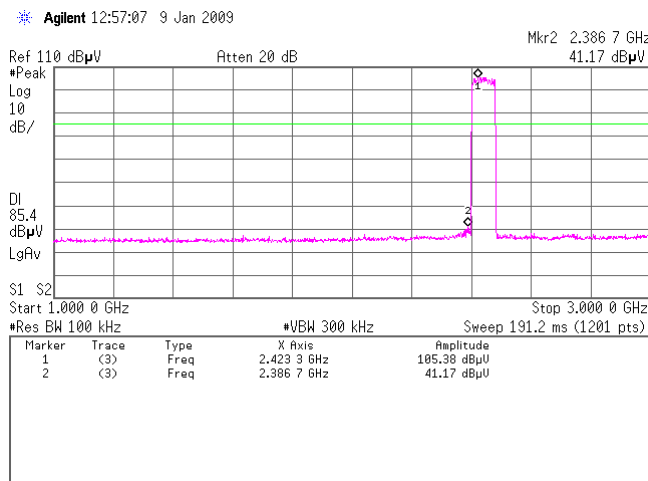
1.



2.

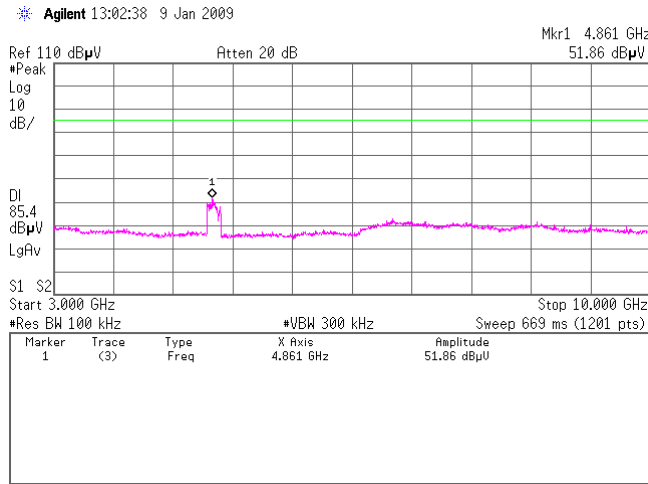


3.

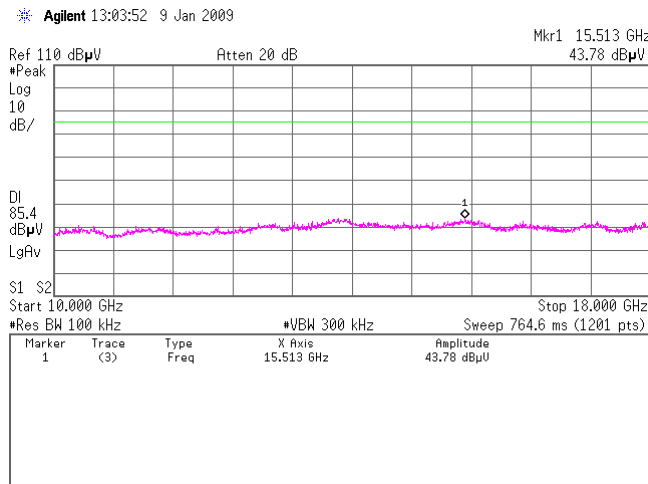


[Transmitting 3DH5]
Hopping

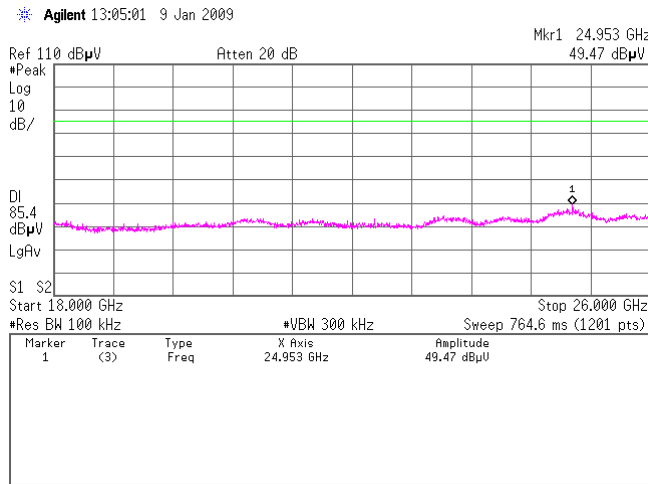
4.



5.

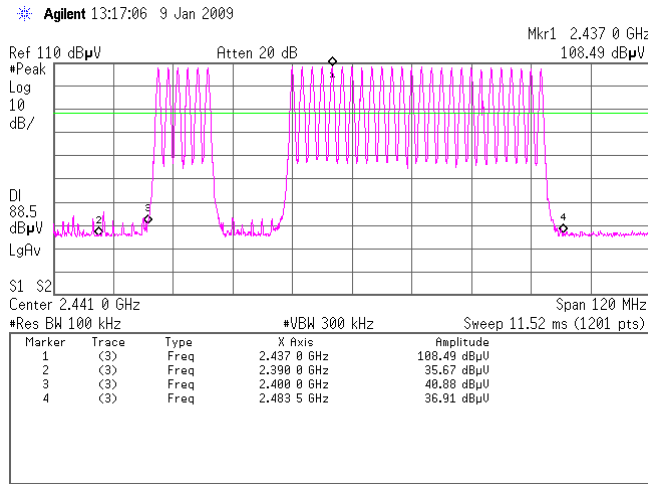


6.

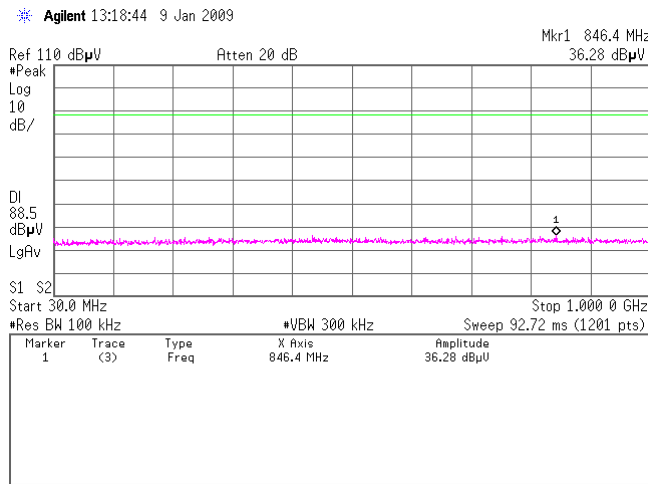


[Transmitting]
Inquiry

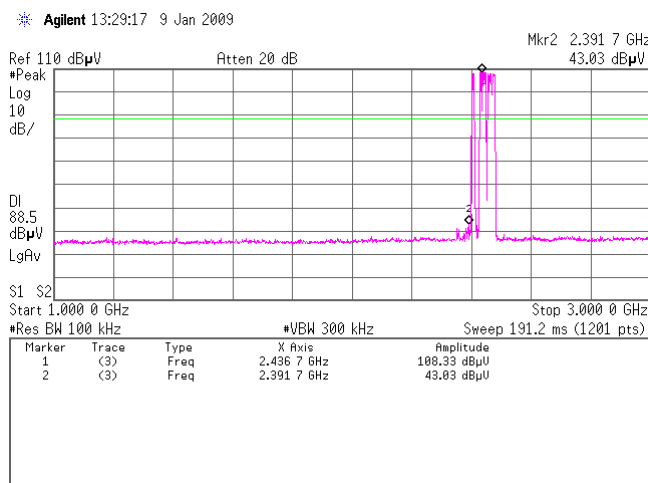
1.



2.

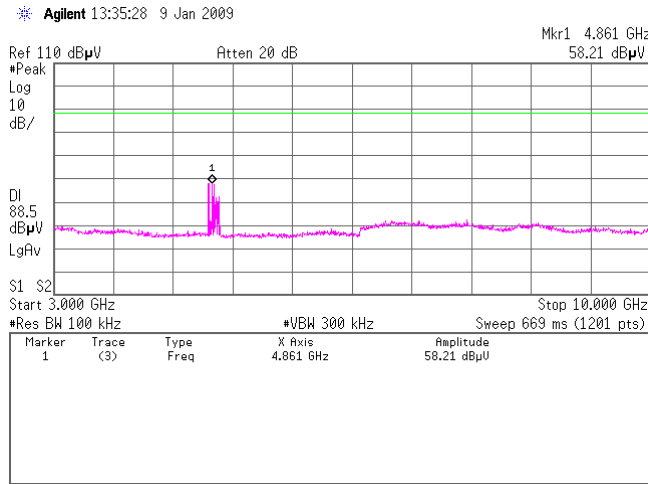


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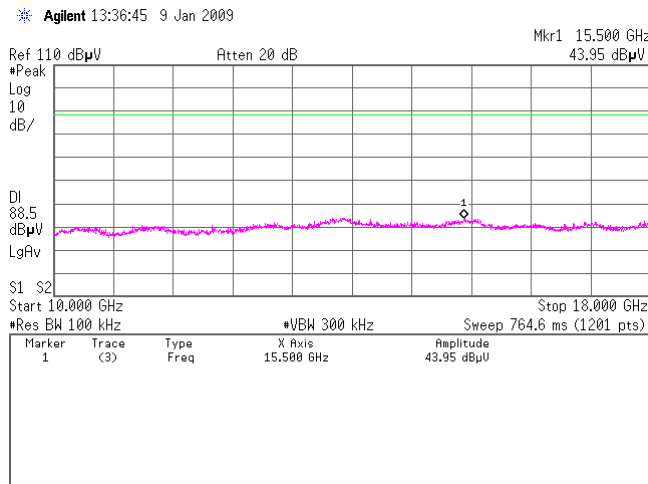


[Transmitting]
Inquiry

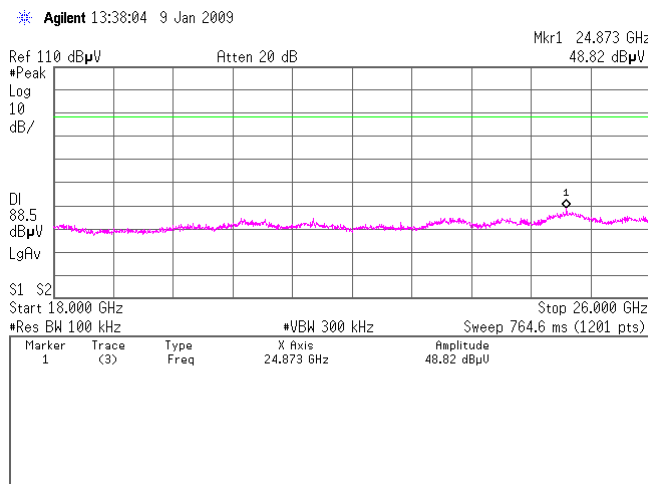
4.



5.



6.



DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2402MHz_DH5)
 Remarks :
 Date : 12/20/2008
 Test Distance : 3 m
 Temperature : 17 °C
 Humidity : 40 %
 Regulation : 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 [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	80.45	BB	25.6	24.7	6.4	27.5	1.9	6.0	12.4	11.5	40.0	27.6	28.5
2.	100.03	BB	28.1	25.5	10.1	27.5	2.2	6.0	18.9	16.3	43.5	24.6	27.2
3.	336.02	BB	28.7	24.8	15.5	27.3	4.4	6.0	27.3	23.4	46.0	18.7	22.6

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. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_DH5)
 Remarks :
 Date : 12/20/2008
 Test Distance : 3 m
 Temperature : 17 °C Engineer : Minoru Nakatake
 Humidity : 40 %
 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.	80.47	BB	26.6	24.7	6.4	27.5	1.9	6.0	13.4	11.5	40.0	26.6	28.5
2.	100.03	BB	27.0	24.9	10.1	27.5	2.2	6.0	17.8	15.7	43.5	25.7	27.8
3.	336.02	BB	27.7	24.3	15.5	27.3	4.4	6.0	26.3	22.9	46.0	19.7	23.1

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. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
Kind of Equipment : CD Receiver
Model No. : DEH-P610BT
Serial No. : HKPG000004UC
Power : DC12V
Mode : Transmitting mode (2480MHz_DH5)
Remarks :
Date : 12/20/2008
Test Distance : 3 m
Temperature : 17 °C
Humidity : 40 %
Regulation : 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 [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	80.46	BB	26.4	24.8	6.4	27.5	1.9	6.0	13.2	11.6	40.0	26.8	28.4	
2.	100.02	BB	27.2	24.7	10.1	27.5	2.2	6.0	18.0	15.5	43.5	25.5	28.0	
3.	336.02	BB	27.2	23.7	15.5	27.3	4.4	6.0	25.8	22.3	46.0	20.2	23.7	

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. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2402MHz_DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(PK Detection)

Engineer : Ichiro Isozaki

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.	2390.00	BB	44.6	45.3	28.8	35.4	4.3	0.0	42.3	43.0	74.0	31.7	31.0	
2.	2400.00	BB	45.4	46.0	28.8	35.3	4.3	0.0	43.2	43.8	74.0	30.8	30.2	
3.	4804.00	BB	44.0	44.9	33.6	34.1	5.6	0.0	49.1	50.0	74.0	24.9	24.0	
4.	7206.00	BB	44.9	44.5	36.1	34.7	6.5	0.0	52.8	52.4	74.0	21.2	21.6	
5.	9608.00	BB	45.0	44.4	37.6	35.3	7.3	0.0	54.6	54.0	74.0	19.4	20.0	

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2402MHz_DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV Detection)

Engineer : Ichiro Isozaki

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.	2390.00	BB	31.0	31.4	28.8	35.4	4.3	0.0	28.7	29.1	54.0	25.3	24.9	
2.	2400.00	BB	31.4	31.2	28.8	35.3	4.3	0.0	29.2	29.0	54.0	24.8	25.0	
3.	4804.00	BB	30.8	32.4	33.6	34.1	5.6	0.0	35.9	37.5	54.0	18.1	16.5	
4.	7206.00	BB	31.0	31.0	36.1	34.7	6.5	0.0	38.9	38.9	54.0	15.1	15.1	
5.	9608.00	BB	31.2	31.2	37.6	35.3	7.3	0.0	40.8	40.8	54.0	13.2	13.2	

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

■ ANTENNA : KHA-01&KHA-03
 ■ CABLE : KCC-D3&D16 ■ PREAMP : KAF-07 (8449B) ■ EMI RECEIVER : KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C Engineer : Ichiro Isozaki
 Humidity : 40 %
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4882.00	BB	45.5	46.0	33.8	34.1	5.6	0.0	50.8	51.3	74.0	23.2	22.7
2.	7323.00	BB	44.6	44.6	36.2	34.8	6.6	0.0	52.6	52.6	74.0	21.4	21.4
3.	9764.00	BB	45.1	44.5	37.6	35.4	7.4	0.0	54.7	54.1	74.0	19.3	19.9

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV Detection)

Engineer : Ichiro Isozaki

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.	4882.00	BB	32.0	32.9	33.8	34.1	5.6	0.0	37.3	38.2	54.0	16.7	15.8
2.	7323.00	BB	31.2	31.5	36.2	34.8	6.6	0.0	39.2	39.5	54.0	14.8	14.5
3.	9764.00	BB	31.5	31.9	37.6	35.4	7.4	0.0	41.1	41.5	54.0	12.9	12.5

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
Kind of Equipment : CD Receiver
Model No. : DEH-P610BT
Serial No. : HKPG000004UC
Power : DC12V
Mode : Transmitting mode (2480MHz_DH5)
Remarks : PK (RBW:1MHz, VBW:1MHz)
Date : 12/19/2008
Test Distance : 3 m
Temperature : 19 °C Engineer : Ichiro Isozaki
Humidity : 40 %
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.	2483.50	BB	45.1	44.9	28.8	35.3	4.4	0.0	43.0	42.8	74.0	31.0	31.2	
2.	4960.00	BB	44.9	44.0	34.1	34.1	5.7	0.0	50.6	49.7	74.0	23.4	24.3	
3.	7440.00	BB	43.7	43.7	36.3	34.8	6.6	0.0	51.8	51.8	74.0	22.2	22.2	
4.	9920.00	BB	42.6	43.7	37.6	35.4	7.5	0.0	52.3	53.4	74.0	21.7	20.6	

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

■ ANTENNA: KHA-01&KHA-03

■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

Page:

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2480MHz_DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C Engineer : Ichiro Isozaki
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	31.4	31.7	28.8	35.3	4.4	0.0	29.3	29.6	54.0	24.7	24.4
2.	4960.00	BB	31.4	31.2	34.1	34.1	5.7	0.0	37.1	36.9	54.0	16.9	17.1
3.	7440.00	BB	30.9	31.3	36.3	34.8	6.6	0.0	39.0	39.4	54.0	15.0	14.6
4.	9920.00	BB	31.9	31.9	37.6	35.4	7.5	0.0	41.6	41.6	54.0	12.4	12.4

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

■ ANTENNA : KHA-01&KHA-03
 ■ CABLE : KCC-D3&D16 ■ PREAMP : KAF-07 (8449B) ■ EMI RECEIVER : KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
Kind of Equipment : CD Receiver
Model No. : DEH-P610BT
Serial No. : HKPG000004UC
Power : DC12V
Mode : Transmitting mode (2402MHz_3DH5)
Remarks :
Date : 12/20/2008
Test Distance : 3 m
Temperature : 17 °C Engineer : Minoru Nakatake
Humidity : 40 %
Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER	HOR [dB]	VER		
1.	80.45	BB	26.1	24.9	6.4	27.5	1.9	6.0	12.9	11.7	40.0	27.1	28.3	
2.	100.01	BB	26.9	24.6	10.1	27.5	2.2	6.0	17.7	15.4	43.5	25.8	28.1	
3.	336.01	BB	30.1	24.8	15.5	27.3	4.4	6.0	28.7	23.4	46.0	17.3	22.6	

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. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_3DH5)
 Remarks :
 Date : 12/20/2008
 Test Distance : 3 m
 Temperature : 17 °C
 Humidity : 40 %
 Regulation : 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.	80.45	BB	25.6	24.8	6.4	27.5	1.9	6.0	12.4	11.6	40.0	27.6	28.4	
2.	100.01	BB	28.6	26.8	10.1	27.5	2.2	6.0	19.4	17.6	43.5	24.1	25.9	
3.	336.02	BB	28.8	25.2	15.5	27.3	4.4	6.0	27.4	23.8	46.0	18.6	22.2	

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

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

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2480MHz_3DH5)
 Remarks :
 Date : 12/20/2008
 Test Distance : 3 m
 Temperature : 17 °C
 Humidity : 40 %
 Regulation : 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 [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	80.45	BB	25.6	24.6	6.4	27.5	1.9	6.0	12.4	11.4	40.0	27.6	28.6
2.	100.01	BB	28.2	25.5	10.1	27.5	2.2	6.0	19.0	16.3	43.5	24.5	27.2
3.	336.02	BB	28.7	25.1	15.5	27.3	4.4	6.0	27.3	23.7	46.0	18.7	22.3

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. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2402MHz_3DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C Engineer : Ichiro Isozaki
 Humidity : 40 %
 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.	2390.00	BB	45.3	44.4	28.8	35.4	4.3	0.0	43.0	42.1	74.0	31.0	31.9	
2.	2400.00	BB	50.6	53.1	28.8	35.3	4.3	0.0	48.4	50.9	74.0	25.6	23.1	
3.	4804.00	BB	44.8	44.2	33.6	34.1	5.6	0.0	49.9	49.3	74.0	24.1	24.7	
4.	7206.00	BB	44.2	45.6	36.1	34.7	6.5	0.0	52.1	53.5	74.0	21.9	20.5	
5.	9608.00	BB	44.4	44.0	37.6	35.3	7.3	0.0	54.0	53.6	74.0	20.0	20.4	

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2402MHz_3DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C Engineer : Ichiro Isozaki
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV 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.	2390.00	BB	31.5	31.8	28.8	35.4	4.3	0.0	29.2	29.5	54.0	24.8	24.5	
2.	2400.00	BB	33.5	34.6	28.8	35.3	4.3	0.0	31.3	32.4	54.0	22.7	21.6	
3.	4804.00	BB	33.2	31.5	33.6	34.1	5.6	0.0	38.3	36.6	54.0	15.7	17.4	
4.	7206.00	BB	31.0	31.4	36.1	34.7	6.5	0.0	38.9	39.3	54.0	15.1	14.7	
5.	9608.00	BB	31.3	31.3	37.6	35.3	7.3	0.0	40.9	40.9	54.0	13.1	13.1	

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

■ ANTENNA : KHA-01&KHA-03
 ■ CABLE : KCC-D3&D16 ■ PREAMP : KAF-07 (8449B) ■ EMI RECEIVER : KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_3DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C Engineer : Ichiro Isozaki
 Humidity : 40 %
 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.	4882.00	BB	44.9	43.9	33.8	34.1	5.6	0.0	50.2	49.2	74.0	23.8	24.8	
2.	7323.00	BB	44.8	44.3	36.2	34.8	6.6	0.0	52.8	52.3	74.0	21.2	21.7	
3.	9764.00	BB	44.7	44.4	37.6	35.4	7.4	0.0	54.3	54.0	74.0	19.7	20.0	

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2441MHz_3DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV Detection)

Engineer : Ichiro Isozaki

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.	4882.00	BB	31.0	30.9	33.8	34.1	5.6	0.0	36.3	36.2	54.0	17.7	17.8
2.	7323.00	BB	31.2	31.3	36.2	34.8	6.6	0.0	39.2	39.3	54.0	14.8	14.7
3.	9764.00	BB	34.0	34.0	37.6	35.4	7.4	0.0	43.6	43.6	54.0	10.4	10.4

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

■ ANTENNA: KHA-01&KHA-03
 ■ CABLE: KCC-D3&D16 ■ PREAMP: KAF-07 (8449B) ■ EMI RECEIVER: KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2480MHz_3DH5)
 Remarks : PK (RBW:1MHz, VBW:1MHz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(PK Detection)

Engineer : Ichiro Isozaki

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.	2483.50	BB	44.5	45.5	28.8	35.3	4.4	0.0	42.4	43.4	74.0	31.6	30.6	
2.	4960.00	BB	44.5	43.6	34.1	34.1	5.7	0.0	50.2	49.3	74.0	23.8	24.7	
3.	7440.00	BB	43.1	44.1	36.3	34.8	6.6	0.0	51.2	52.2	74.0	22.8	21.8	
4.	9920.00	BB	44.4	44.9	37.6	35.4	7.5	0.0	54.1	54.6	74.0	19.9	19.4	

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

■ ANTENNA : KHA-01&KHA-03
 ■ CABLE : KCC-D3&D16 ■ PREAMP : KAF-07 (8449B) ■ EMI RECEIVER : KSA-08 (E4446A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29EE0080-YK-01-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-P610BT
 Serial No. : HKPG000004UC
 Power : DC12V
 Mode : Transmitting mode (2480MHz_3DH5)
 Remarks : AV (RBW:1MHz, VBW:300Hz)
 Date : 12/19/2008
 Test Distance : 3 m
 Temperature : 19 °C
 Humidity : 40 %
 Regulation : FCC Part15C § 15. 209(AV Detection)
 Engineer : Ichiro Isozaki

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.	2483.50	BB	30.5	31.7	28.8	35.3	4.4	0.0	28.4	29.6	54.0	25.6	24.4
2.	4960.00	BB	31.3	31.4	34.1	34.1	5.7	0.0	37.0	37.1	54.0	17.0	16.9
3.	7440.00	BB	30.9	30.9	36.3	34.8	6.6	0.0	39.0	39.0	54.0	15.0	15.0
4.	9920.00	BB	31.9	31.9	37.6	35.4	7.5	0.0	41.6	41.6	54.0	12.4	12.4

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

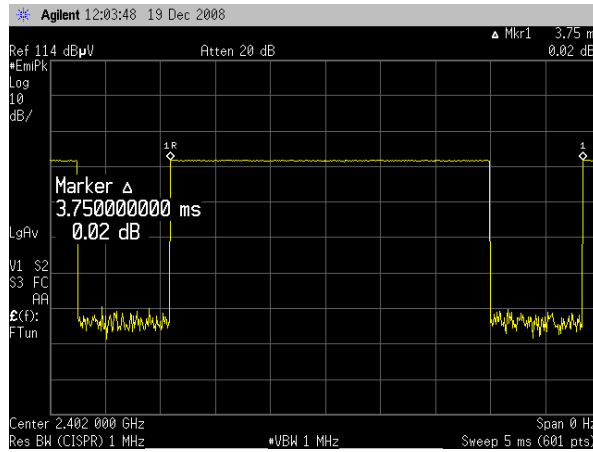
■ ANTENNA : KHA-01&KHA-03
 ■ CABLE : KCC-D3&D16 ■ PREAMP : KAF-07 (8449B) ■ EMI RECEIVER : KSA-08 (E4446A)

Duty Cycle

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

No.1 Anechoic Chamber
2008/12/19
19 deg. C. / 40 %
Ichiro Isozaki
Transmitting

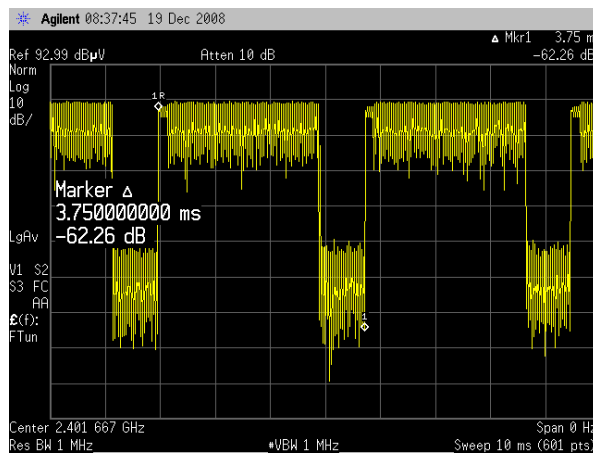
[DH5]



Duty Cycle: 3.75ms

AV Detector VBW: $1000 / 3.75\text{ms} = 266.67\text{Hz} \rightarrow 300\text{Hz}$

[3DH5]



Duty Cycle: 3.75ms

AV Detector VBW: $1000 / 3.75\text{ms} = 266.67\text{Hz} \rightarrow 300\text{Hz}$

- * 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.

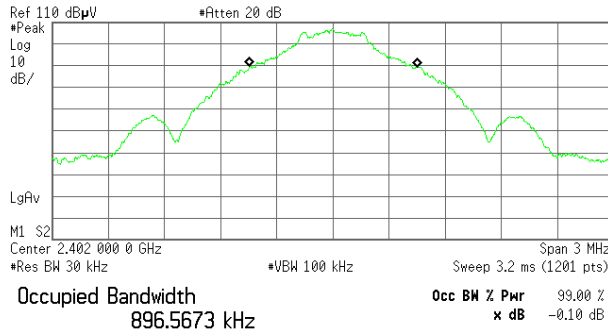
Occupied Bandwidth (99%) (Regulation: RSS-Gen 4.6.1)

UL Japan, Inc. Yamakita EMC lab. No.4 shielded room
 Date: 2009/1/7
 Temp: 21 deg. C.
 Humid: 32 %
 Engineer: Akira Sato
 Test mode: Transmitting

[Hopping off, DHS]

1. ch : 2402MHz/Occupied Bandwidth: 896.5673kHz

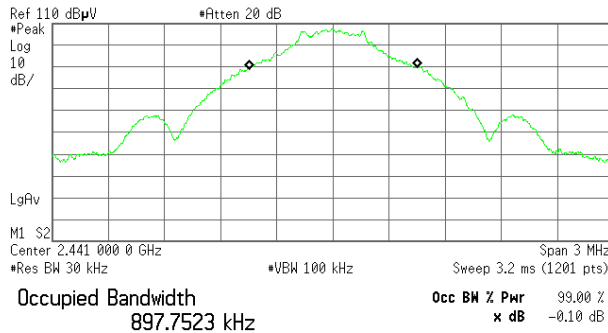
* Agilent 00:10:49 8 Jan 2009



Transmit Freq Error 4.195 kHz
 x dB Bandwidth 8.495 kHz

2. ch : 2441MHz/Occupied Bandwidth: 897.7523kHz

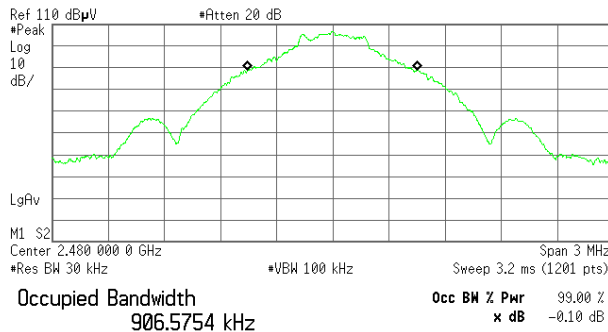
* Agilent 00:15:04 8 Jan 2009



Transmit Freq Error 4.281 kHz
 x dB Bandwidth 8.089 kHz

3. ch : 2480MHz/Occupied Bandwidth: 906.5754kHz

* Agilent 00:19:43 8 Jan 2009

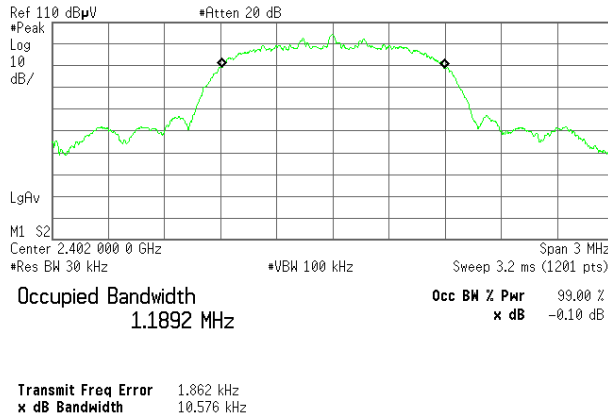


Transmit Freq Error -599.483 Hz
 x dB Bandwidth 8.355 kHz

[Hopping off, 3DH5]

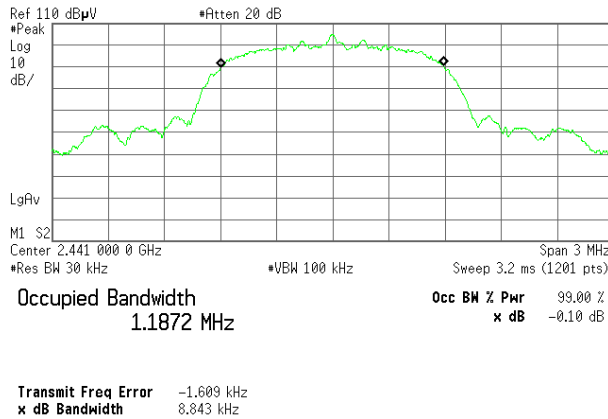
4. ch : 2402MHz/Occupied Bandwidth: 1.1892MHz

* Agilent 00:21:52 8 Jan 2009



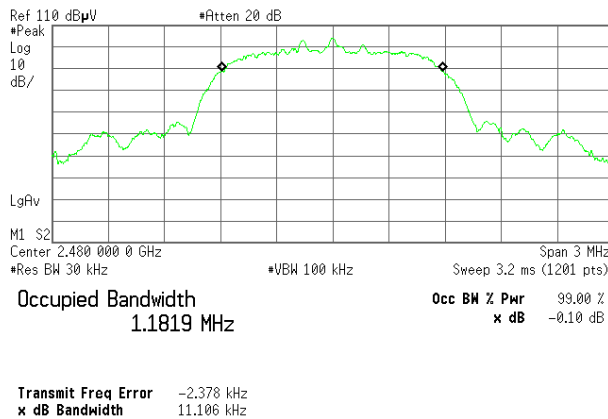
5. ch : 2441MHz/Occupied Bandwidth: 1.1872MHz

* Agilent 00:24:01 8 Jan 2009



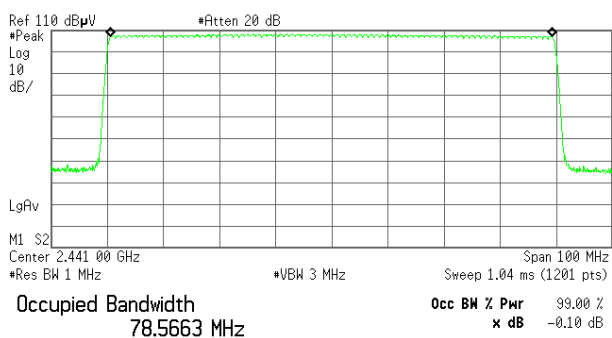
6. ch : 2480MHz/Occupied Bandwidth: 1.1819MHz

* Agilent 00:26:15 8 Jan 2009



7. Hopping, DH5/Occupied Bandwidth: 78.5663MHz

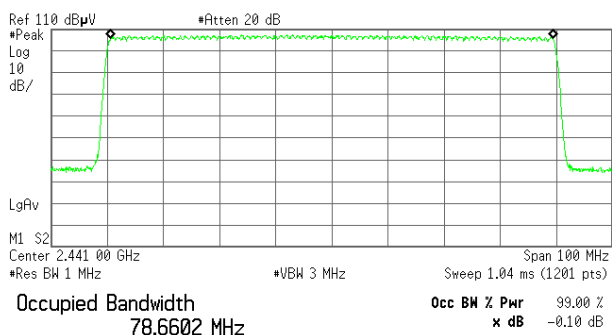
Agilent 00:30:32 8 Jan 2009



Transmit Freq Error -32.421 kHz
x dB Bandwidth 18.941 MHz

8. Hopping, 3DH5/Occupied Bandwidth: 78.6602MHz

Agilent 00:32:55 8 Jan 2009



Transmit Freq Error -23.773 kHz
x dB Bandwidth 36.015 kHz

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.1.5)	-	RE	-
KAEC-01(NSA)	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
KSA-04	Spectrum Analyzer	Advantest	R3271A	95060087	RE	2008/09/29 * 12
KTR-04	Test Receiver	Rohde & Schwarz	ESVS10	825475/006	RE	2008/10/20 * 12
KOS-02	Humidity Indicator	Custom	CTH-190	K-02	RE	2008/07/07 * 12
KJM-07	Measure	KOMELON	KMC-36	-	RE	-
KAF-07	Pre Amplifier	Hewlett Packard	8449B	3008A01002	RE	2007/12/10 * 12
KCC-D3/D16	Coaxial Cable	Rosenberger/INSULATE D WIRE INC	2201/KPS-1501-2 00-KPS	001/04202005	RE	2008/04/16 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	354	RE	2008/08/11 * 12
KHA-03	Horn Antenna	EMCO	3160-09	1239	RE	2008/04/30 * 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
KSA-08	Spectrum Analyzer	Agilent	E4446A	MY46180525	AT 1,2,3,4,6	2008/01/11 * 12
KOS-04	Humidity Indicator	SATO	PC-5000TRH	B-08	AT 5,6	2008/07/07 * 12
KOS-07	Humidity Indicator	Custom	CTH-190	K-07	AT 1,2,3,4	2008/10/21 * 12
KCC-D20	Coaxial Cable	SUHNER	SUCOFLEX102	31110/2	AT all	2008/07/09 * 12
KOSC-01	Oscilloscope	Tektronix	TDS-2022B	C050588	AT 4	2008/05/07 * 12
KDT-01	Coaxial Crystal Detector	Agilent	8473C	1822A05320	AT 4	Pre Check

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 .