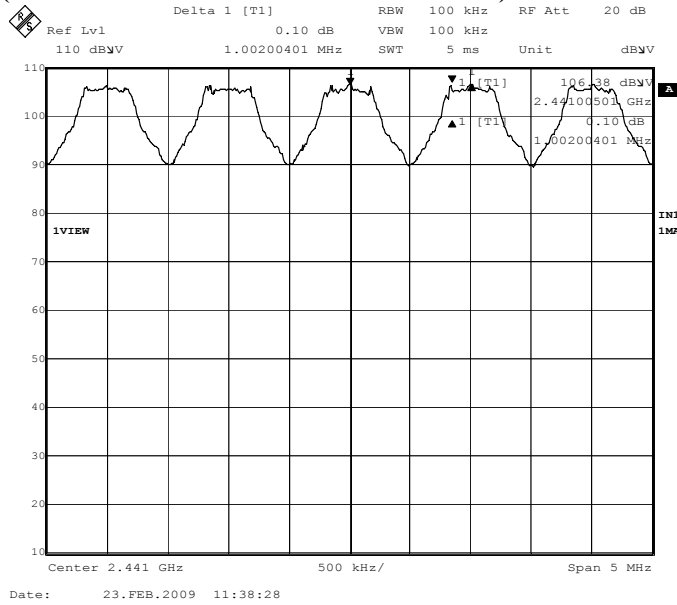


Channel Separation (Regulation: FCC 15.247(a)(1))

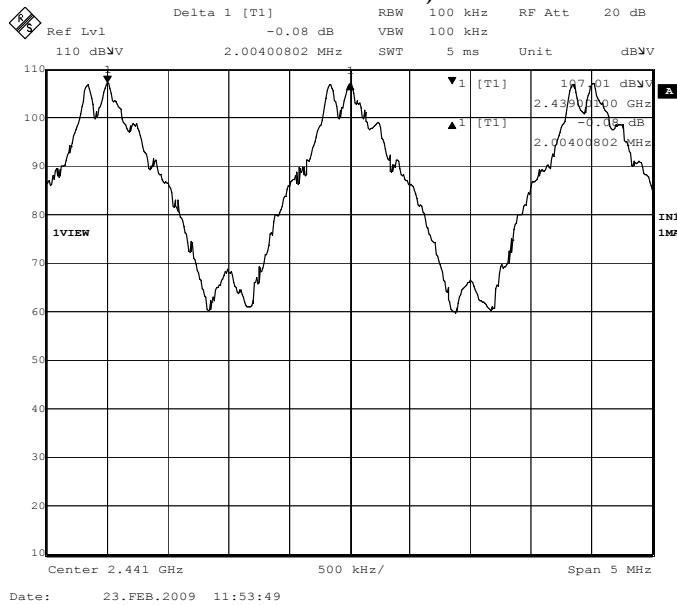
UL Japan, Inc. Yamakita EMC lab. No.3 shielded room
 Date: 2009/2/23
 Temp/Humid.: 23 deg. C. / 40 %
 Engineer: Tatsuya Arai
 Test mode: Transmitting

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

1. Hopping, DH5: 1.008MHz ($2/3 * 20\text{dB Bandwidth}: 2/3 * 949.9\text{kHz} = 633.3\text{kHz}$)



2. Inquiry: 2.004MHz ($2/3 * 20\text{dB Bandwidth}: 2/3 * 817.6\text{kHz} = 545.1\text{kHz}$)



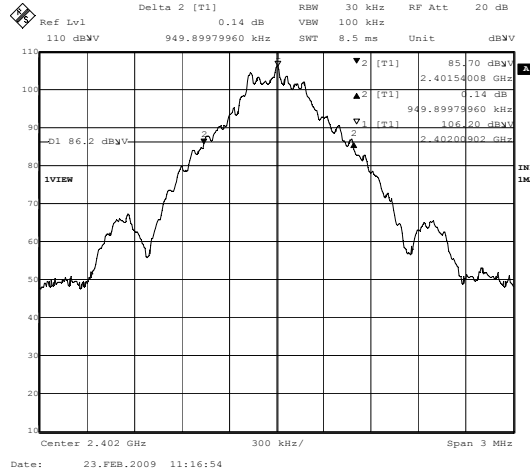
20dB Bandwidth (Regulation: FCC 15.247(a)(1))

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

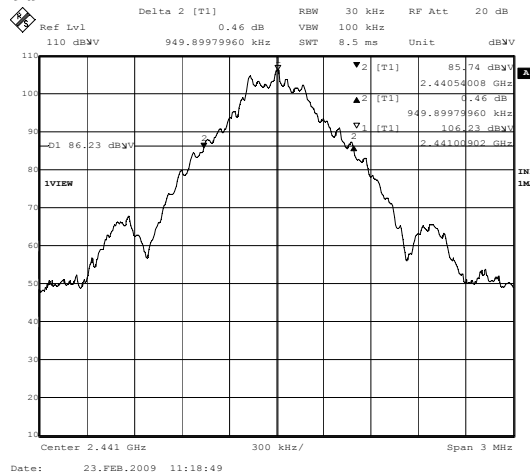
No.3 shielded room
 2009/2/23
 23 deg. C. / 40 %
 Tatsuya Arai
 Transmitting

[Hopping off, DHS]

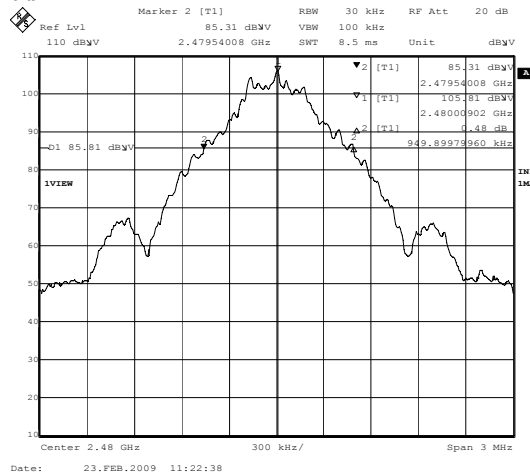
1. ch : 2402MHz/20dB Bandwidth: 949.9kHz



2. ch : 2441MHz/20dB Bandwidth: 949.9kHz

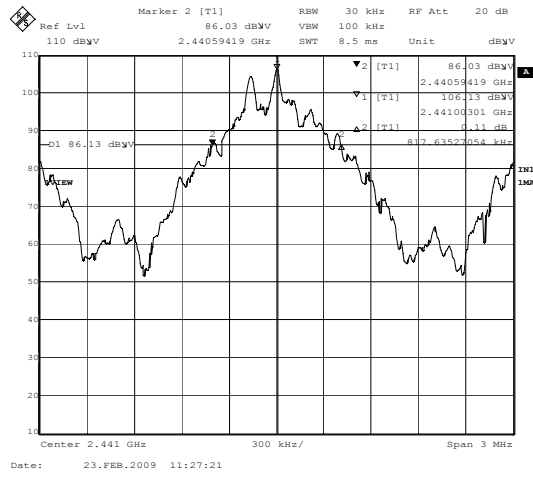


3. ch : 2480MHz/20dB Bandwidth: 949.9kHz



[Inquiry]

7. Inauriry/20dB Bandwidth: 817.6kHz

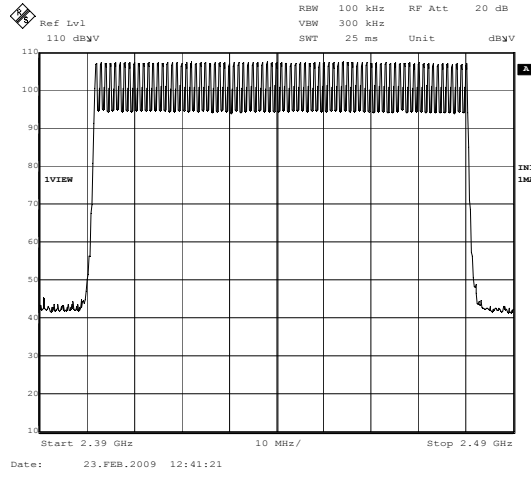


Channel Utilization (Regulation: FCC 15.247(a)(1)(iii))

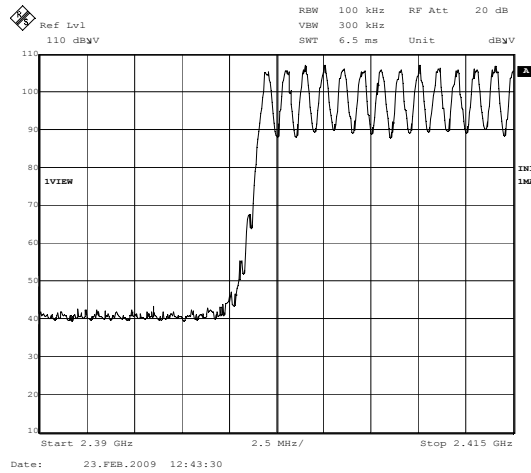
UL Japan, Inc. Yamakita EMC lab. No.3 shielded room
 Date: 2009/2/23
 Temp/Humid.: 23 deg. C. / 40 %
 Engineer: Tatsuya Arai
 Test mode: Transmitting

Hopping, DH5: 79ch

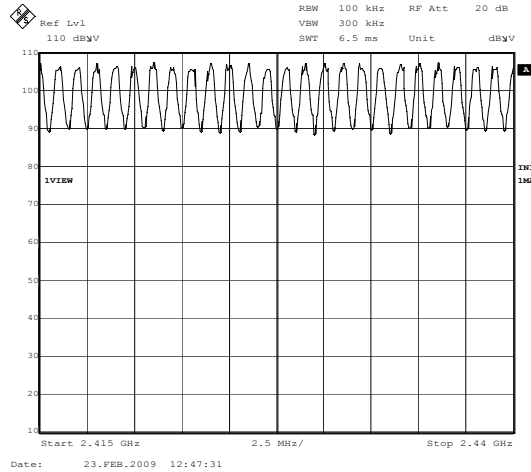
1.



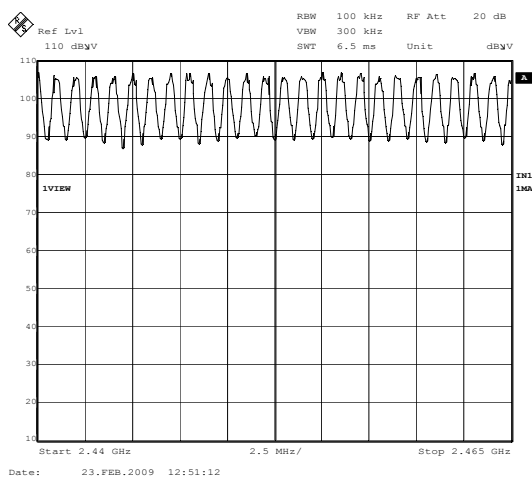
2.



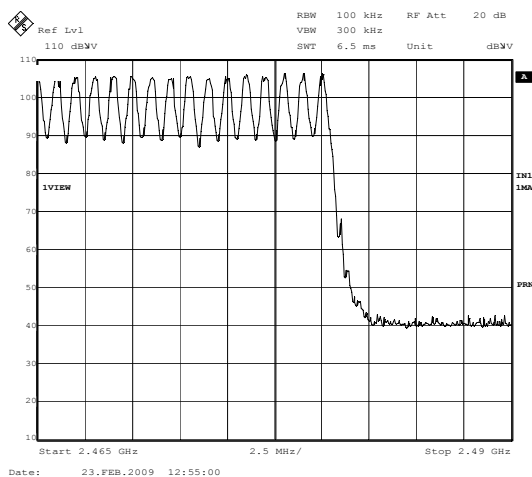
3.



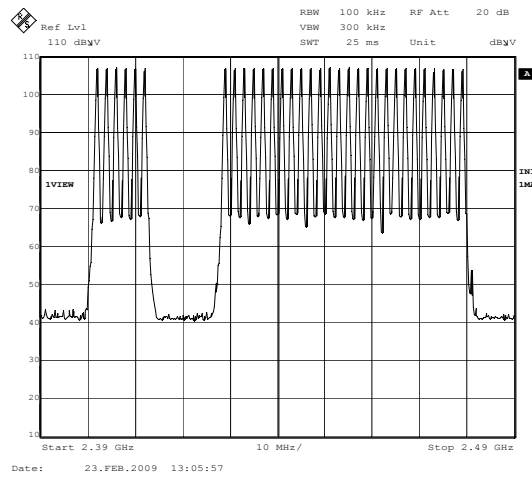
4.



5.



Inquiry: 32ch



Company: PIONEER CORPORATION
Kind of Equipment: CD Receiver
Serial No.: 00605701BE44

Report No.:
Model No.:
Power:

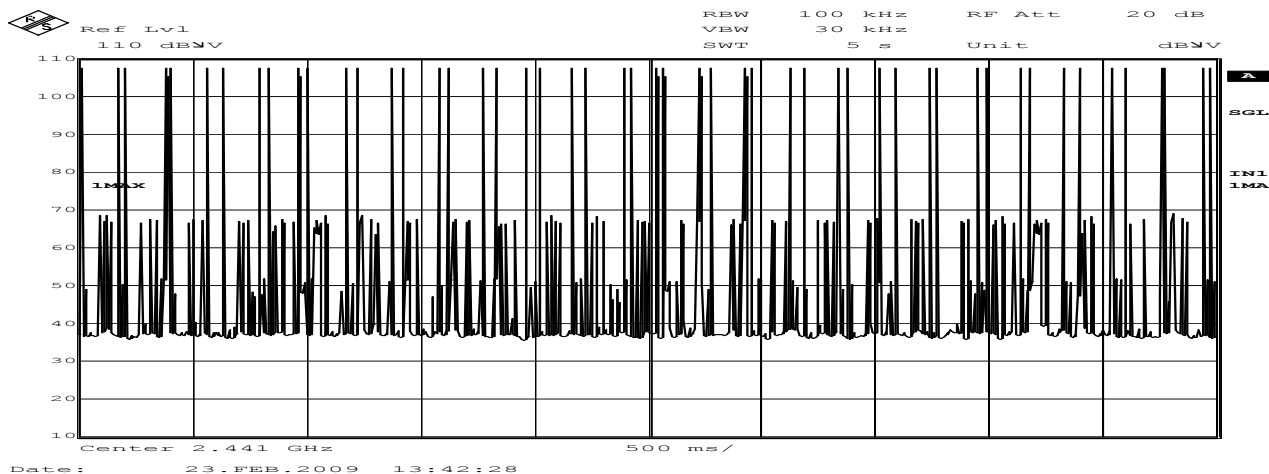
29GE0031-YK-A
DEH-M8597ZT/CA
DC 12.0V

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

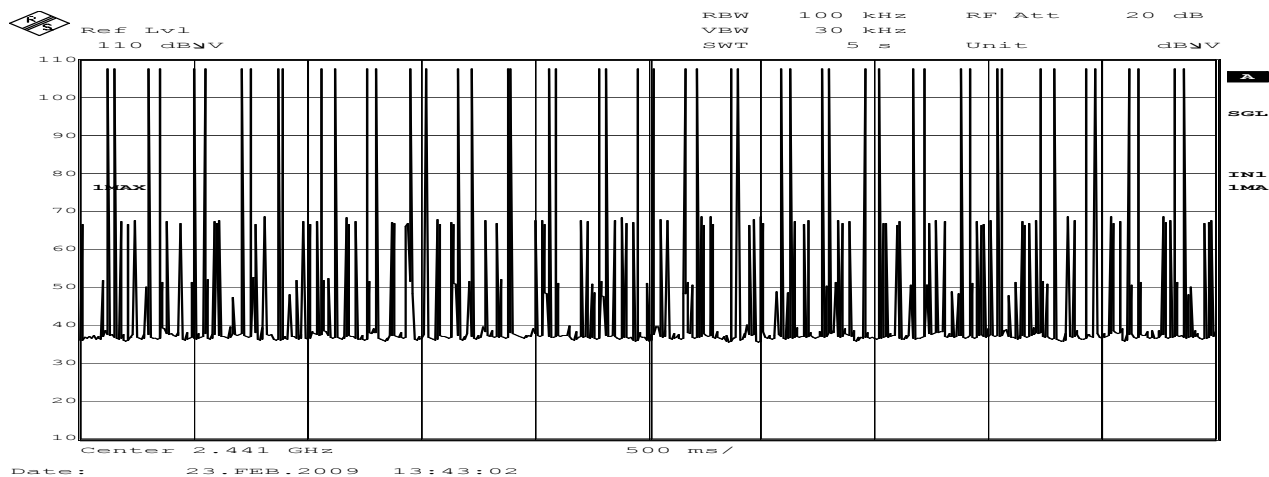
UL Japan, Inc. Yamakita EMC lab. No.3 shielded room
Date: 2009/2/23
Temp/Humid.: 23 deg. C. / 40 %
Engineer: Tatsuya Arai
Test mode: Transmitting

Hopping (DH1):

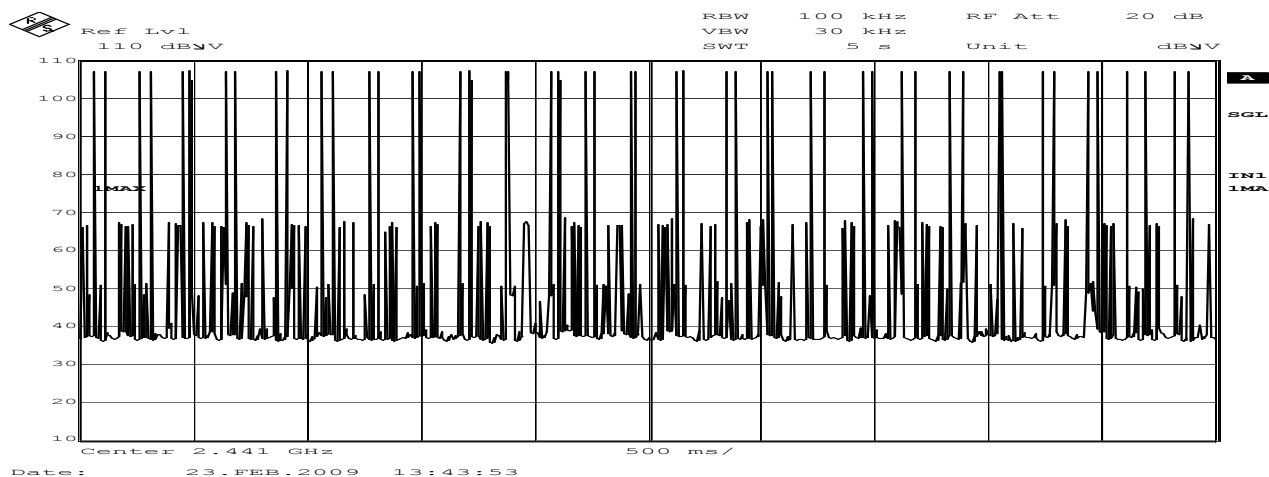
Count 1



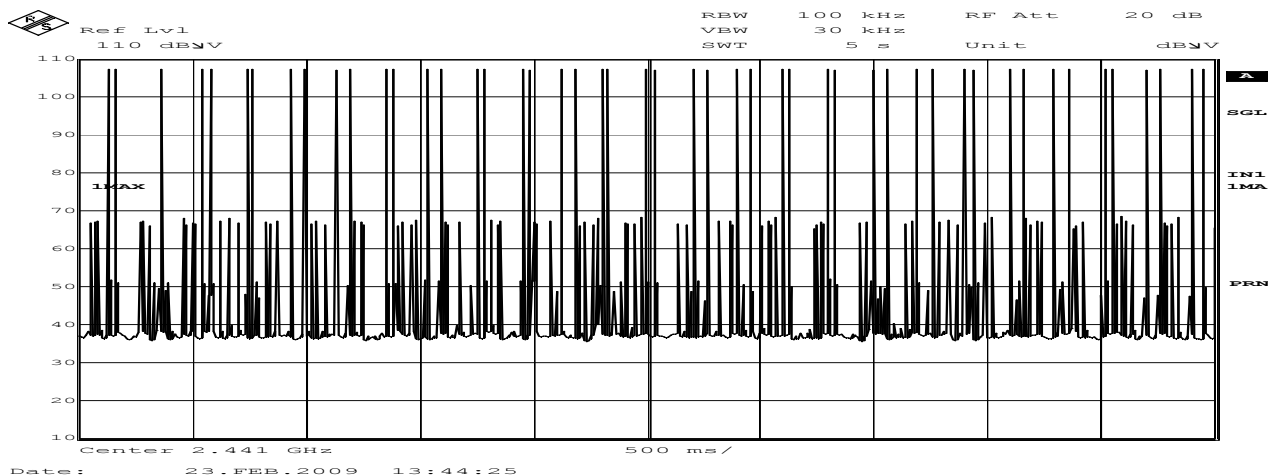
Count 2



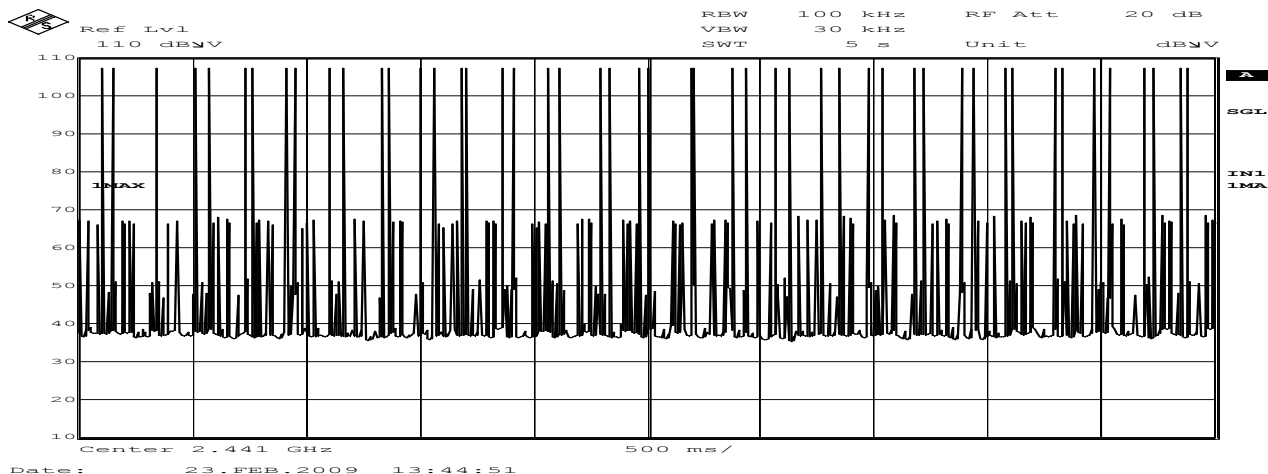
Count 3



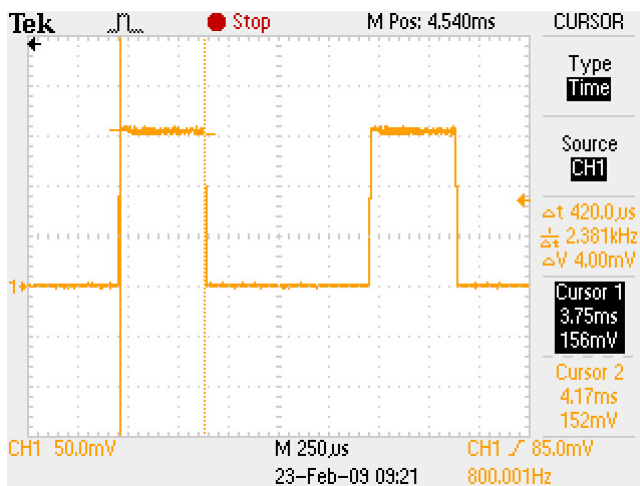
Count 4



Count 5



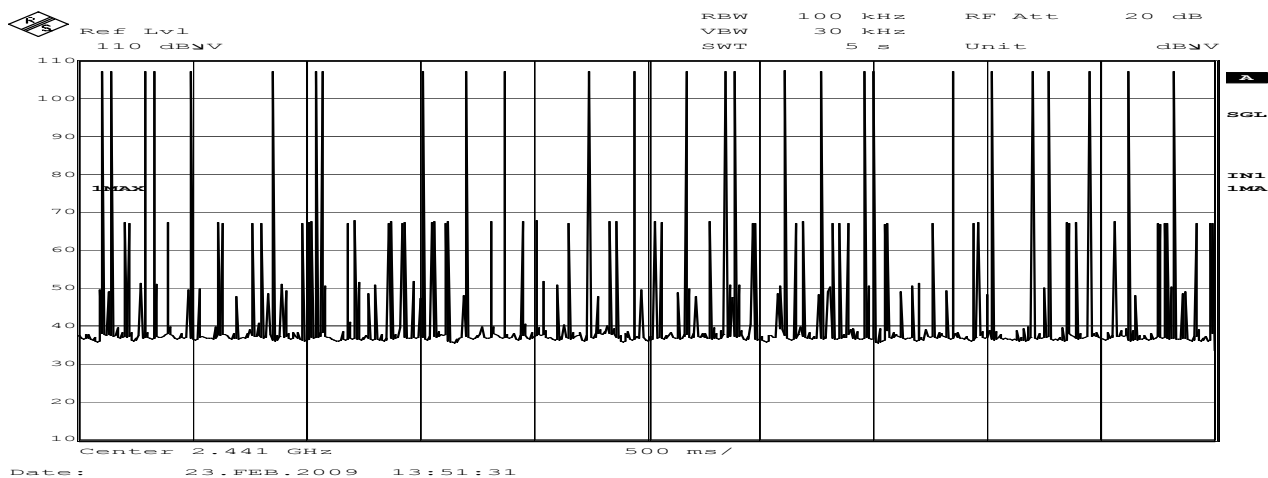
Duty cycle(Hopping DH1)



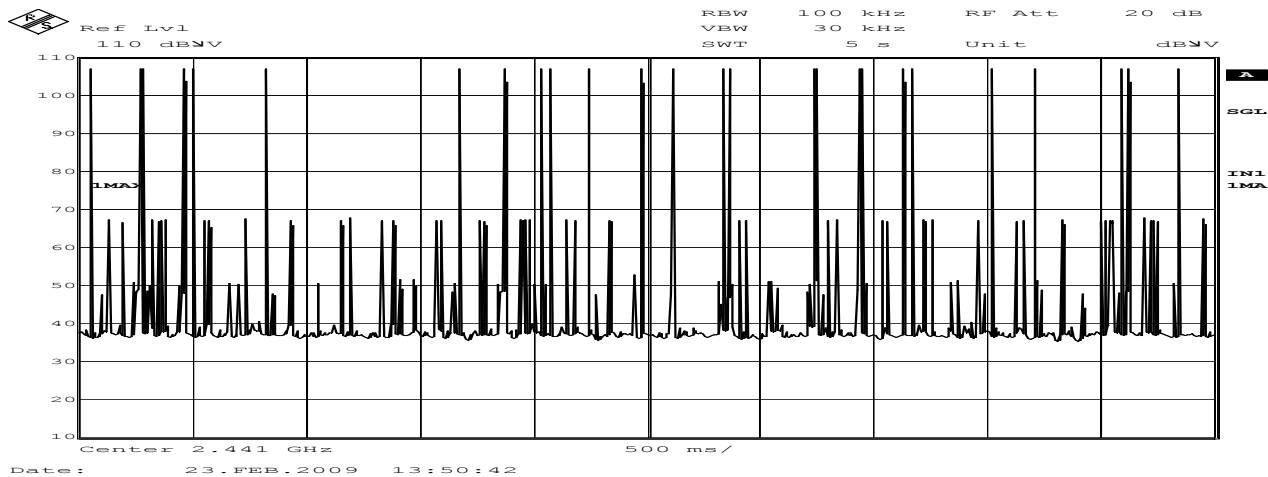
Average times of rising in 5 sec. of sweep = (50+ 48 + 51 + 49 + 48) / 5 = 49.2
 Average times of rising in 1 sec. = 49.2 / 5s = 9.84
 Average times of rising in 0.4x = 0.4 * 79ch * 9.84 = 310.944
 Dwell time = 310.94 * 0.420 = 130.59 [ms]
 Limit : Dwell Time < 0.4[s]

Hopping (DH3):

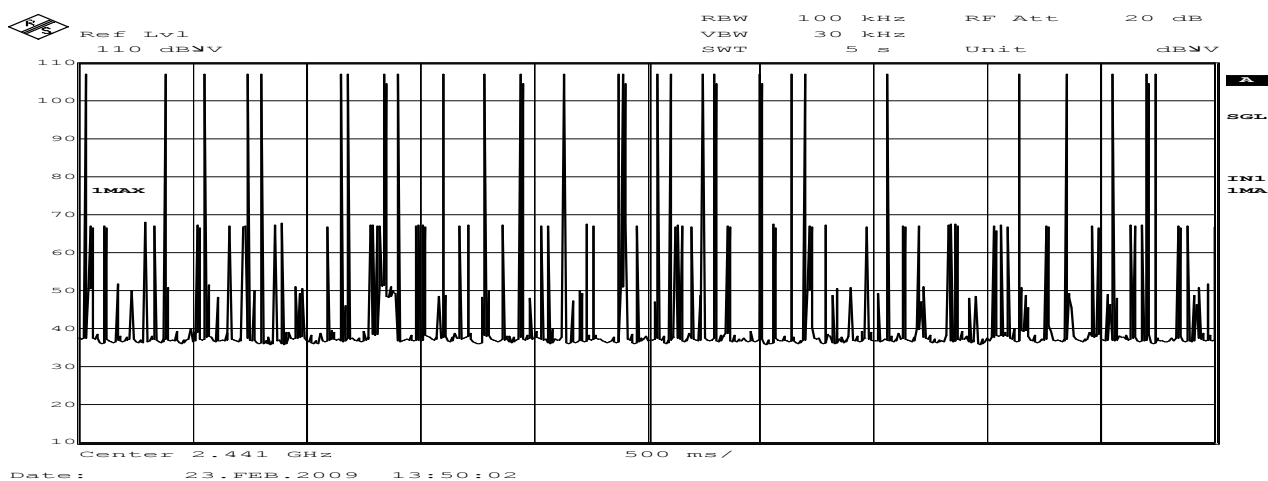
Count 1



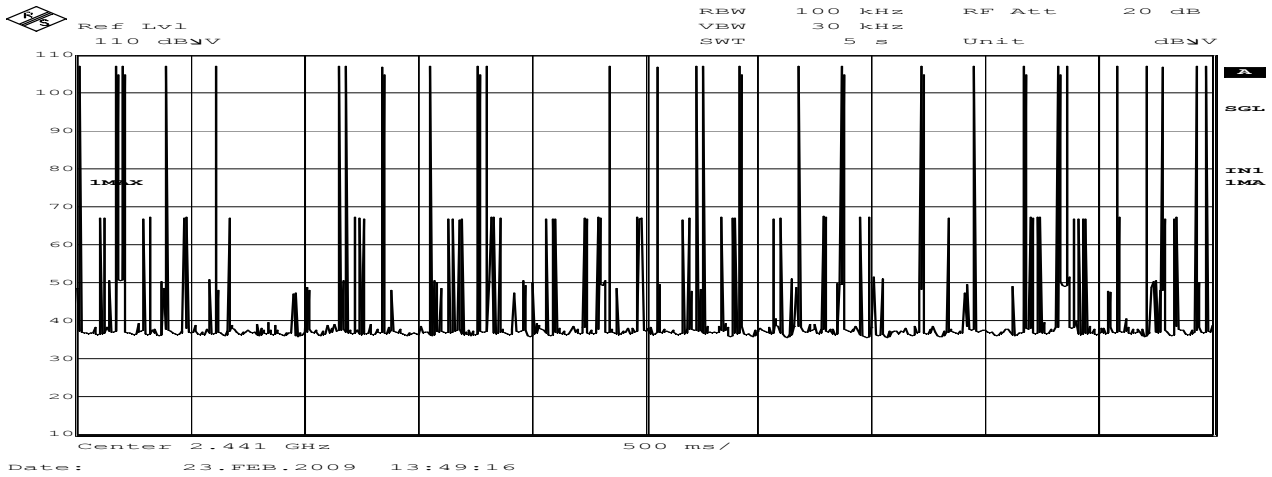
Count 2



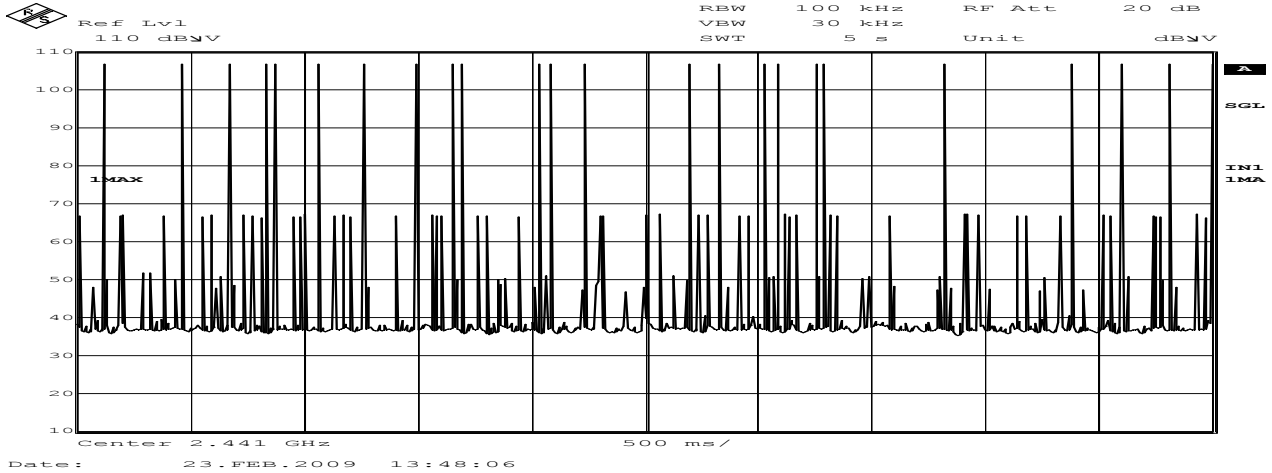
Count 3



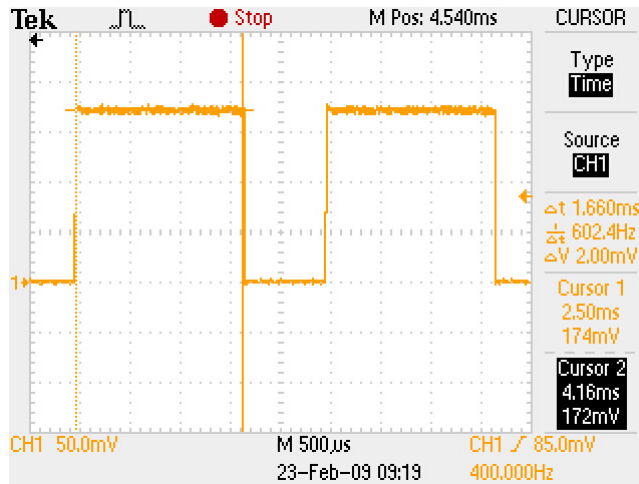
Count 4



Count 5



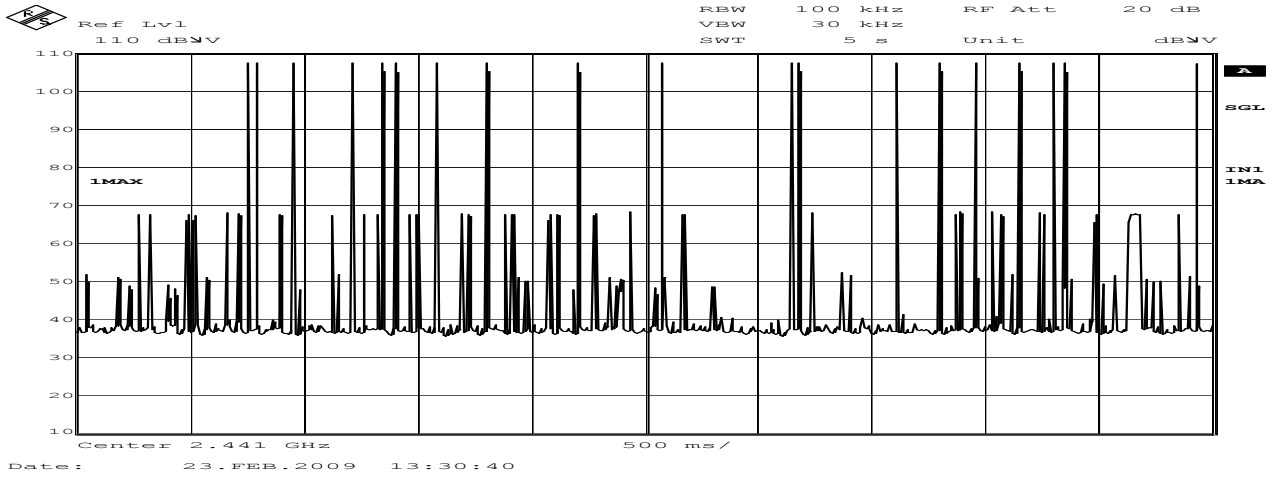
Duty cycle(Hopping DH3)



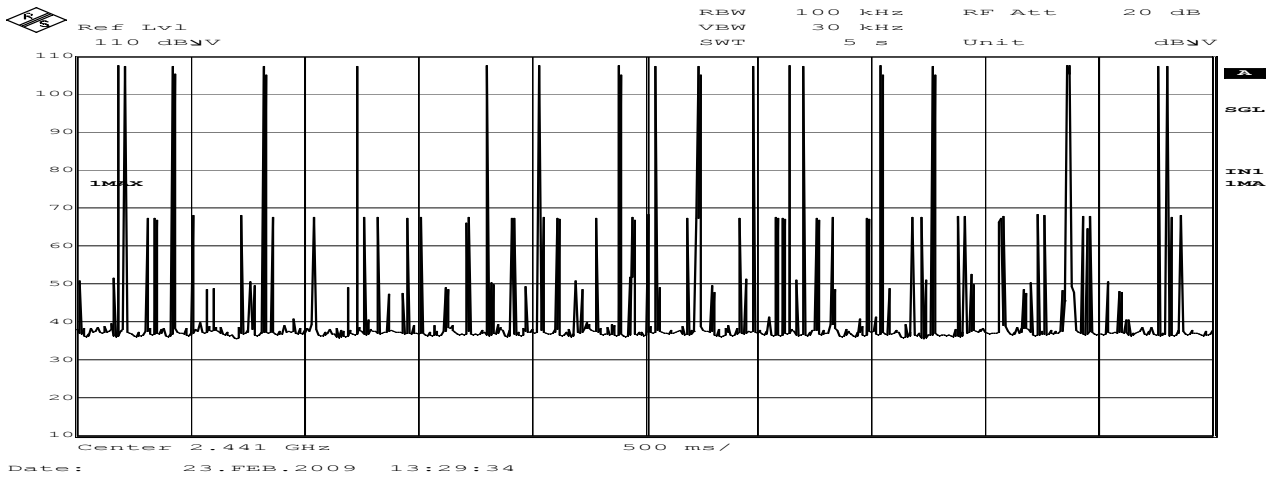
Average times of rising in 5 sec. of sweep = $(27 + 23 + 28 + 28 + 24) / 5 = 26$
 Average times of rising in 1 sec. = $26 / 5s = 5.2$
 Average times of rising in 0.4x = $0.4 * 79ch * 5.2 = 164.32$
 Dwell time = $164.32 * 1.66 = 272.77$ [ms]
 Limit : Dwell Time < 0.4[s]

Hopping (DH5):

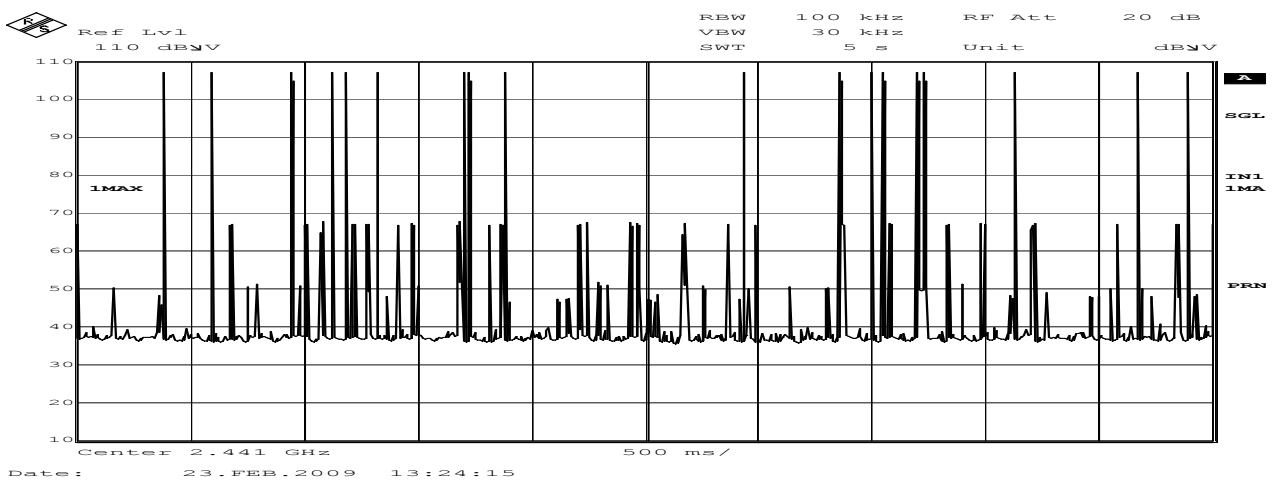
Count 1



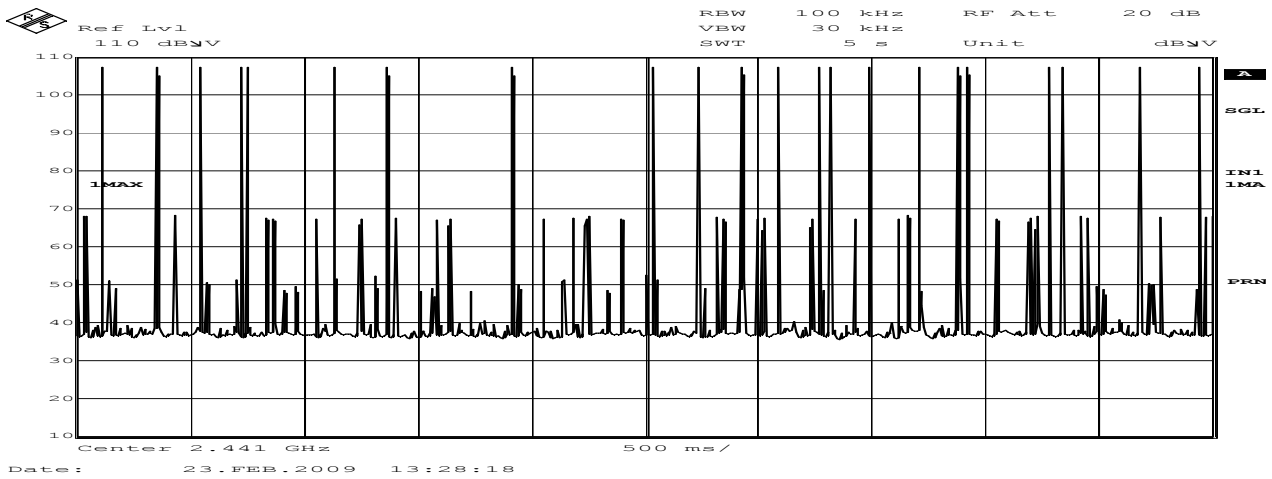
Count 2



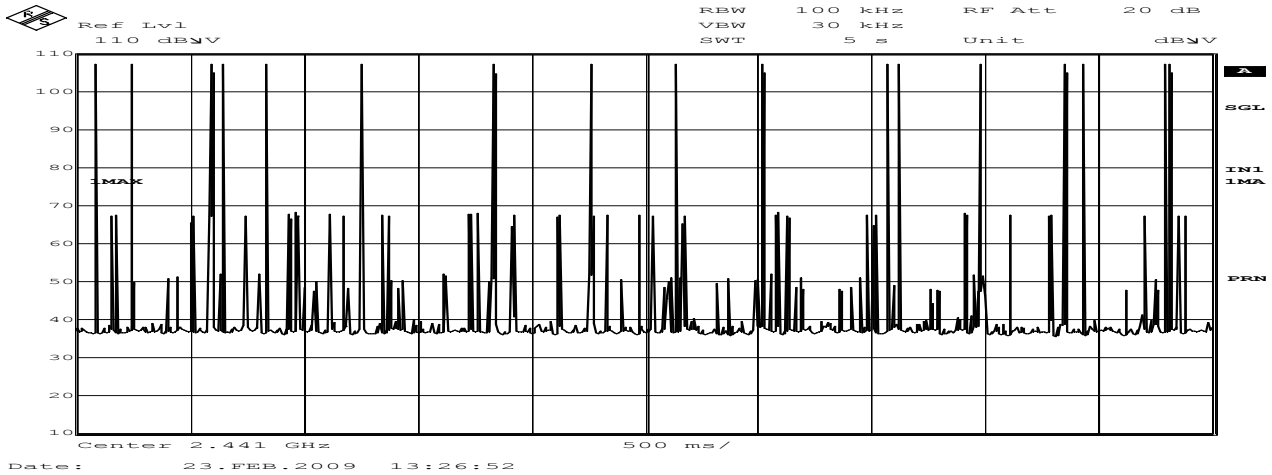
Count 3



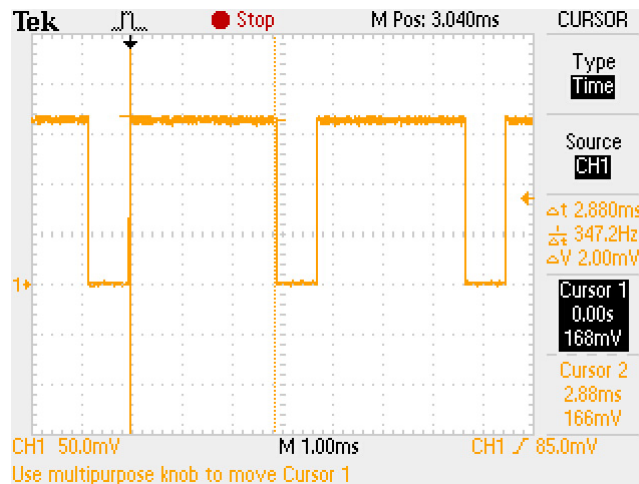
Count 4



Count 5

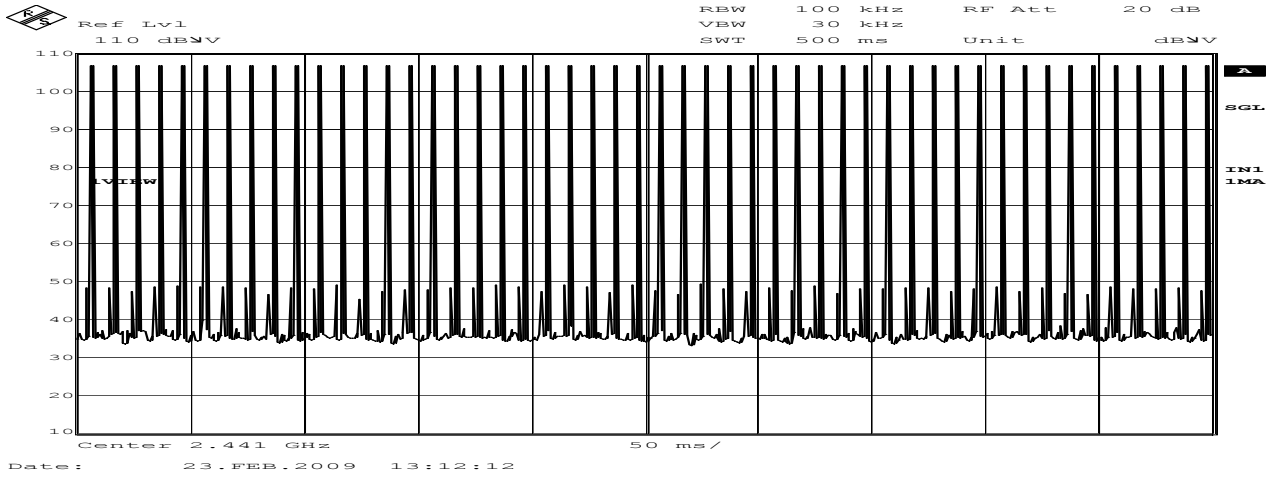


Duty cycle(Hopping DH5)

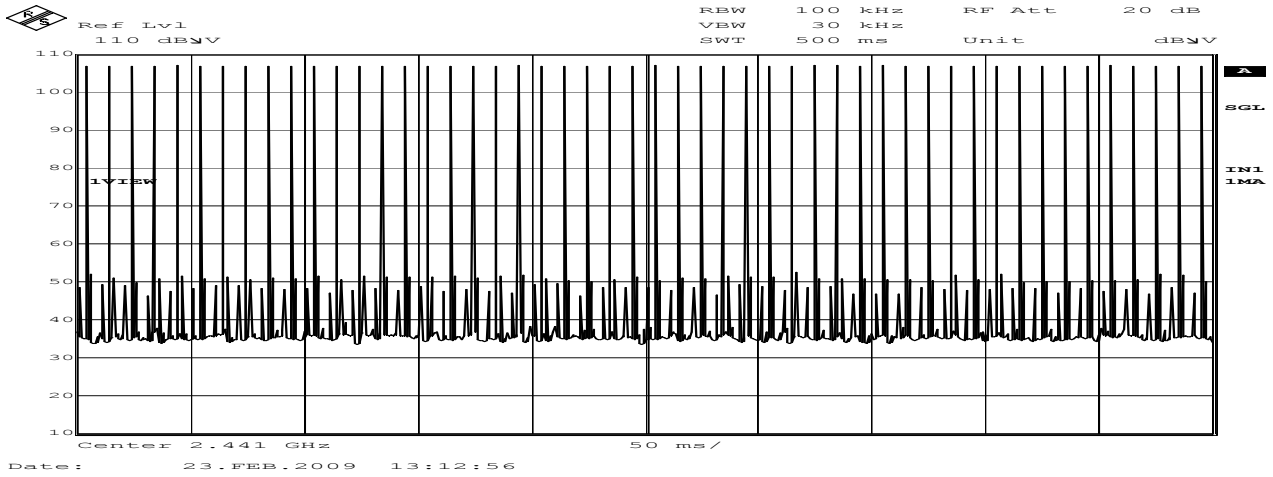


Average times of rising in 5 sec. of sweep = (19 + 19 + 18 + 22 + 17) / 5 = 19
 Average times of rising in 1 sec. = 19 / 5s = 3.8
 Average times of rising in 0.4x = 0.4 * 79ch * 3.8 = 120.08
 Dwell time = 120.08 * 2.88 = 345.83 [ms]
 Limit : Dwell Time < 0.4[s]

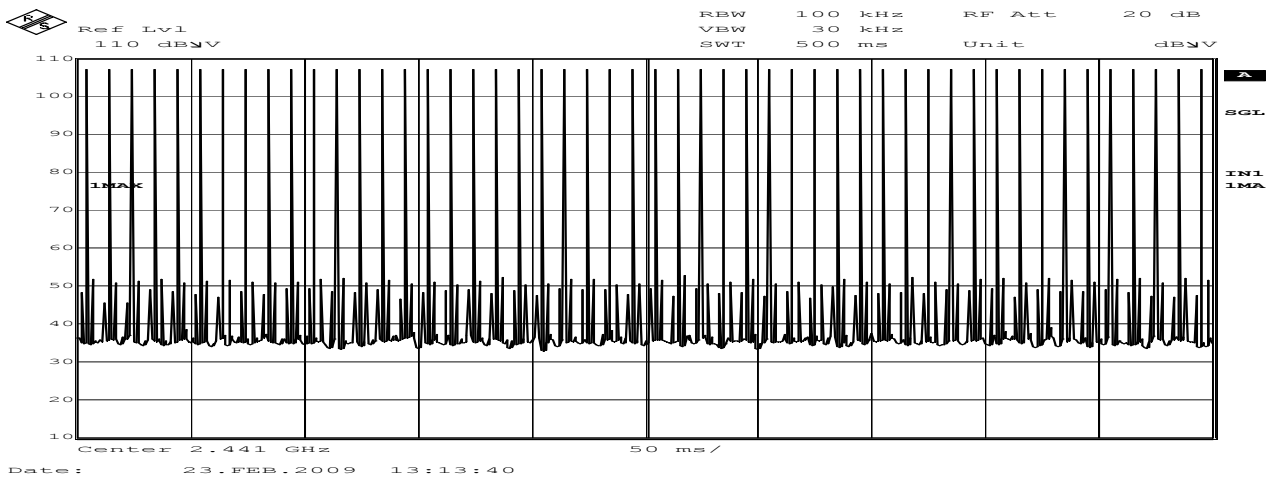
Inquiry:
Count 1



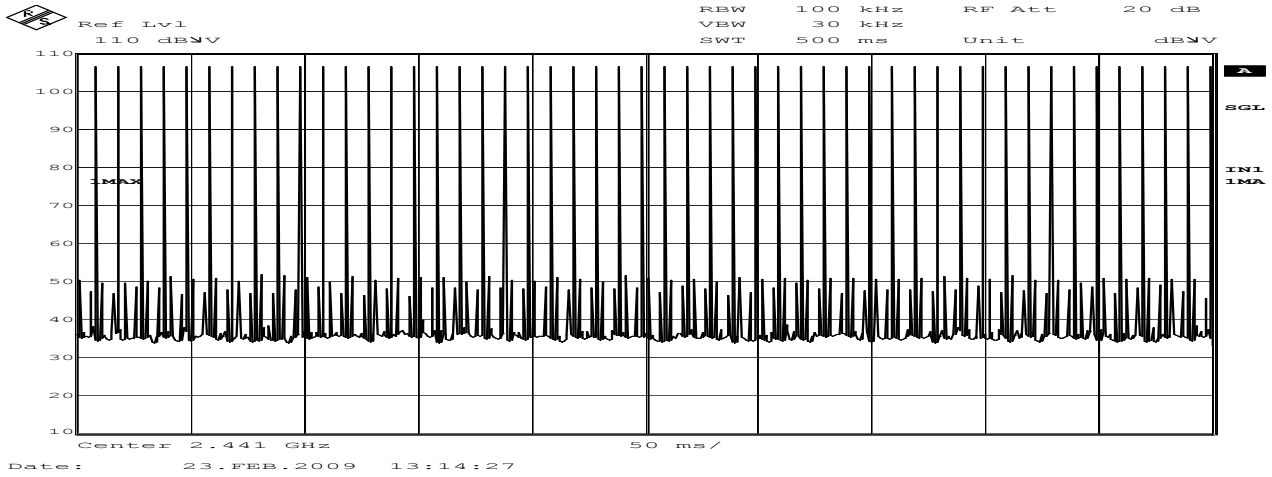
Count 2



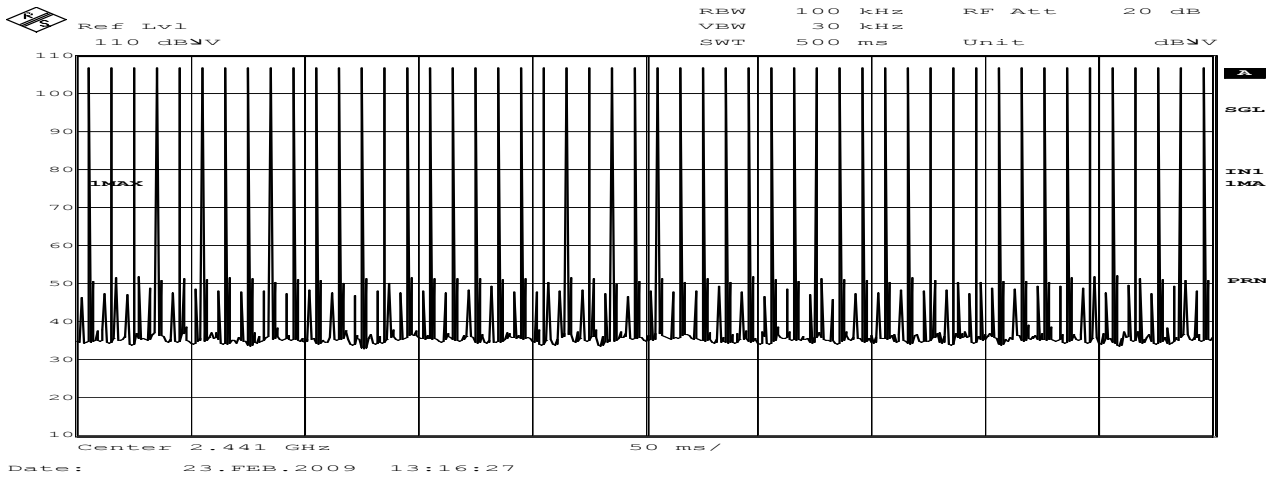
Count 3



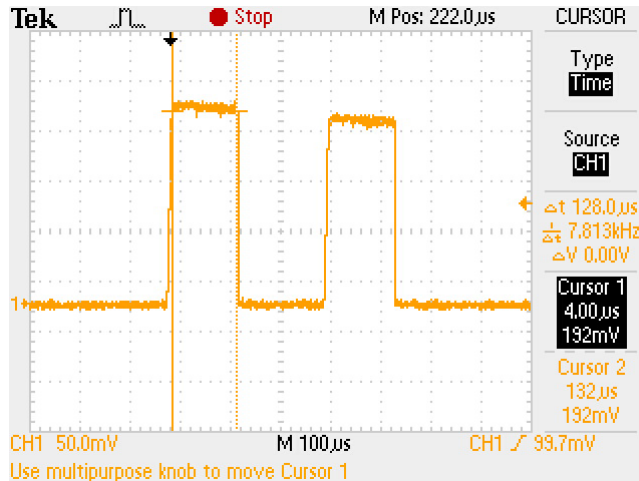
Count 4



Count 5



Duty cycle(Inquiry)



Average times of rising in 0.5 sec. of sweep = $(50 + 50 + 50 + 50 + 50) / 5 = 50.0$
 Average times of rising in 1 sec. = $50.0 / 0.5s = 100.0$
 Average times of rising in 0.4x = $0.4 * 32ch * 100.0 = 1280.0$
 Dwell time = $1280.0 * 0.128 = 163.84 [ms]$
 Limit : Dwell Time < 0.4[s]

Company: PIONEER CORPORATION
Kind of Equipment: CD Receiver
Serial No.: 00605701BE44

Report No.: 29GE0031-YK-A
Model No.: DEH-M8597ZT/CA
Power: DC 12.0V

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

UL Japan, Inc Yamakita EMC lab.
No.3 Shielded Room

DATE: 2009/2/23
TEMP./HUMID.: 23deg.C/40%
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	0.84	0.58	1.42	20.96	19.54
Mid	2441.00	0.97	0.59	1.56	20.96	19.40
High	2480.00	0.37	0.59	0.96	20.96	20.00
Inquiry	-	1.02	0.59	1.61	20.96	19.35

Limit: 125mW=20.96dBm

P/M: Power Meter

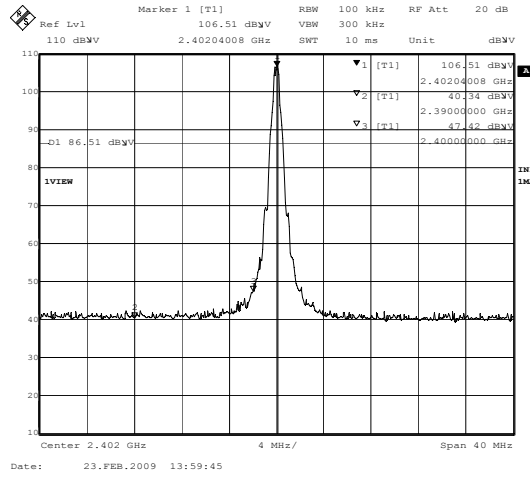
CABLE LOSS:Customer's cable

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

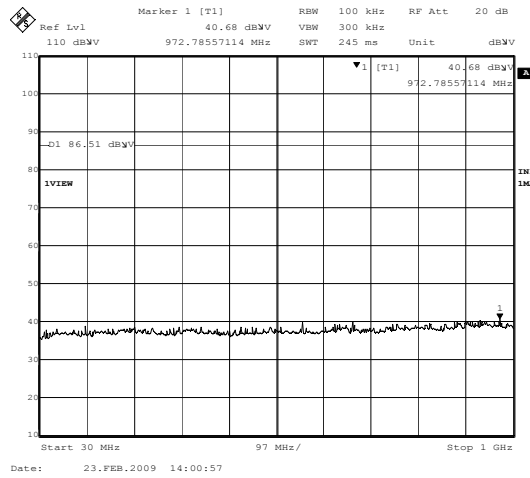
UL Japan, Inc. Yamakita EMC lab. No.3 shielded room
 Date: 2009/2/23
 Temp/Humid.: 23 deg. C. / 40 %
 Engineer: Tatsuya Arai
 Test mode: Transmitting

[Transmitting DH5]
 Ch:2402MHz

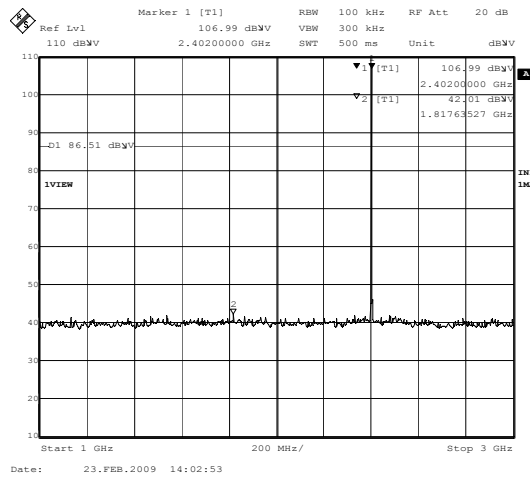
1.



2.



3.



Company:
Kind of Equipment:
Serial No.:

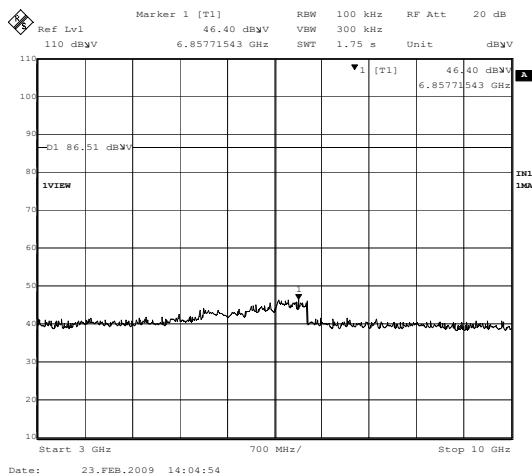
PIONEER CORPORATION
CD Receiver
00605701BE44

Report No.:
Model No.:
Power:

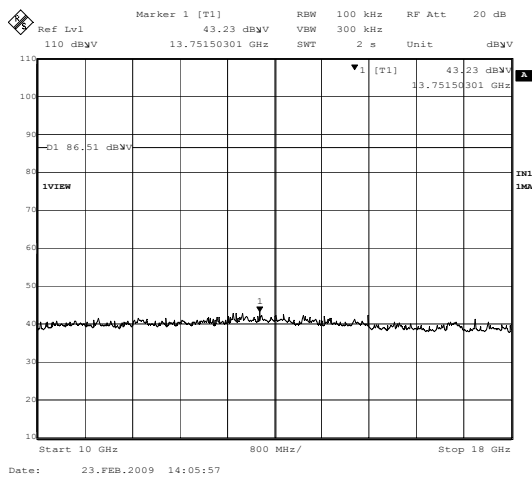
29GE0031-YK-A
DEH-M8597ZT/CA
DC 12.0V

[Transmitting DH5]
Ch:2402MHz

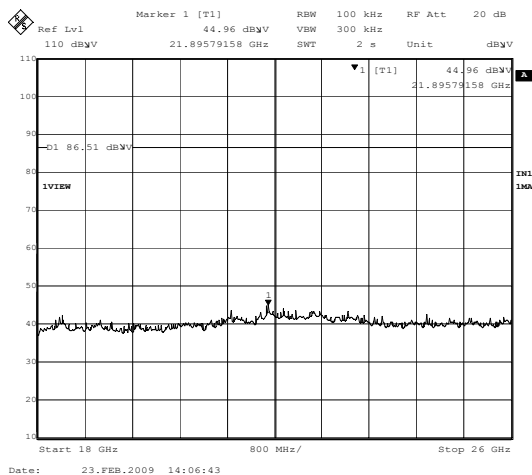
4.



5.

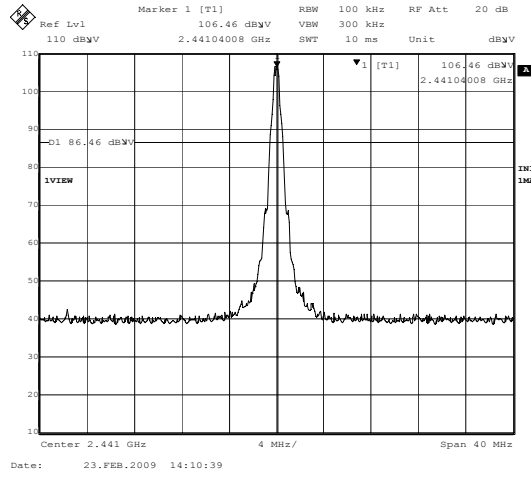


6.

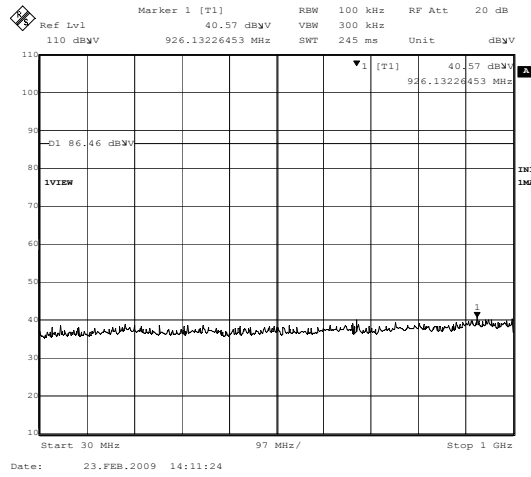


[Transmitting DH5]
Ch:2441MHz

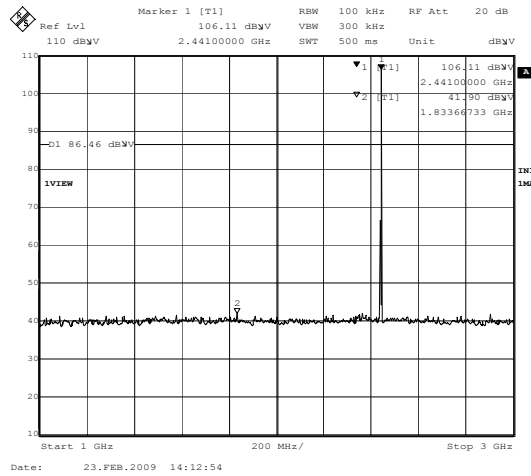
1.



2.



3.



Company:
Kind of Equipment:
Serial No.:

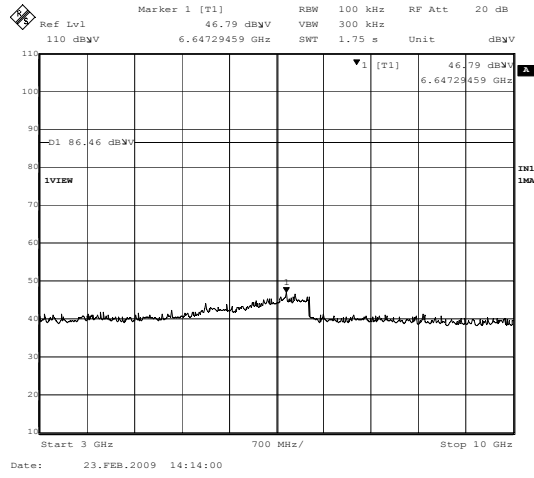
PIONEER CORPORATION
CD Receiver
00605701BE44

Report No.:
Model No.:
Power:

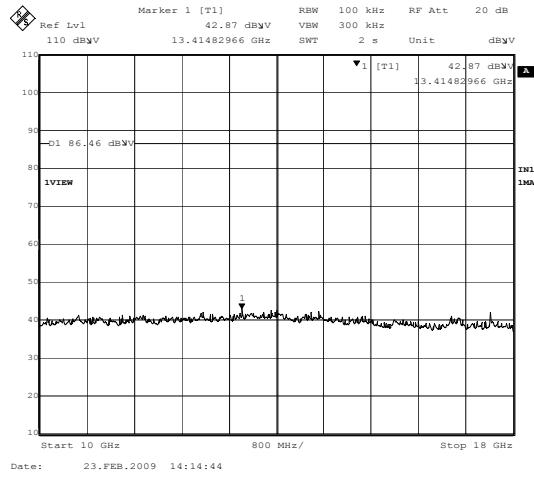
29GE0031-YK-A
DEH-M8597ZT/CA
DC 12.0V

[Transmitting DH5]
Ch:2441MHz

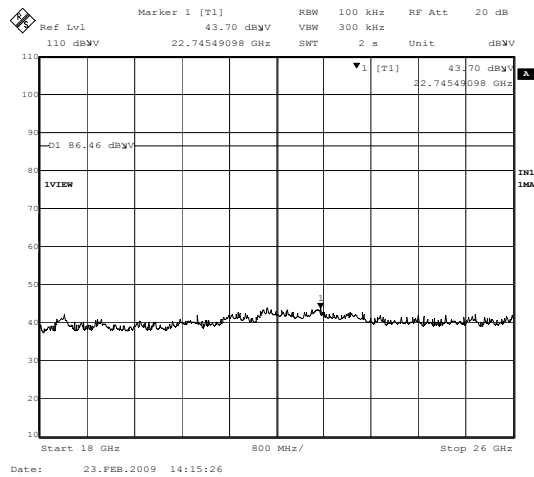
4.



5.



6.



Company:
Kind of Equipment:
Serial No.:

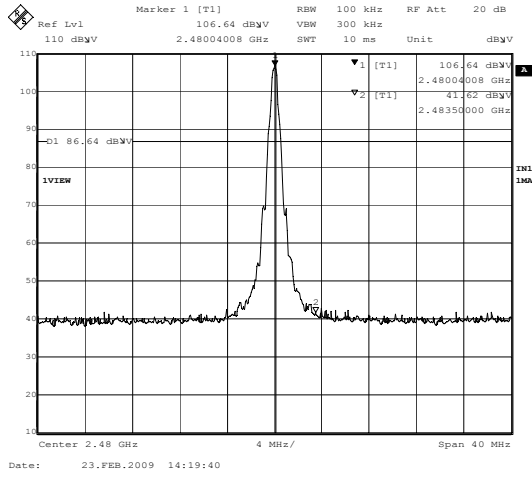
PIONEER CORPORATION
CD Receiver
00605701BE44

Report No.:
Model No.:
Power:

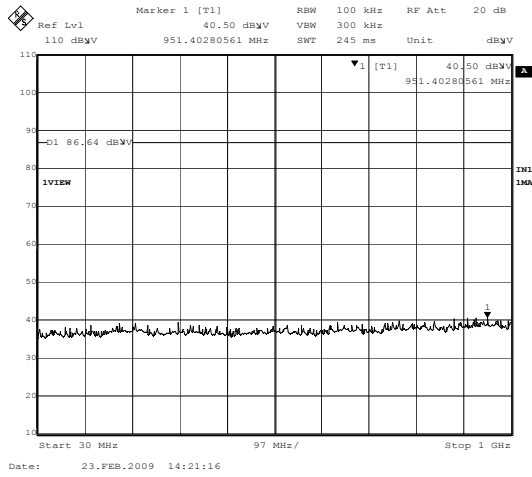
29GE0031-YK-A
DEH-M8597ZT/CA
DC 12.0V

[Transmitting DH5]
Ch:2480MHz

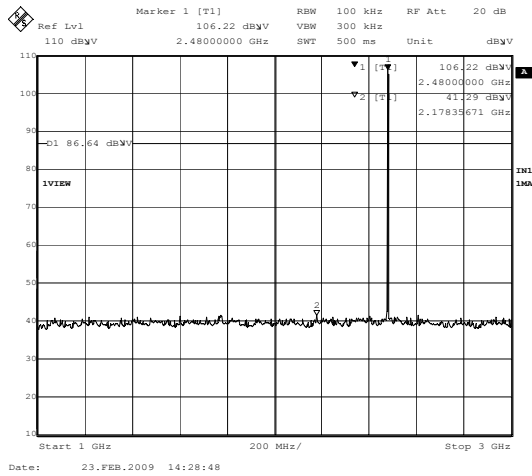
1.



2.



3.



Company:
Kind of Equipment:
Serial No.:

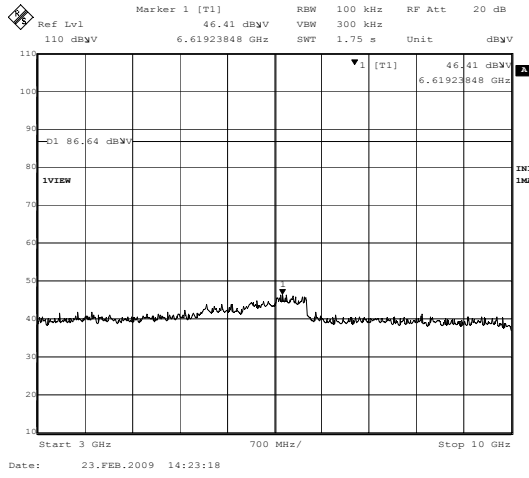
PIONEER CORPORATION
CD Receiver
00605701BE44

Report No.:
Model No.:
Power:

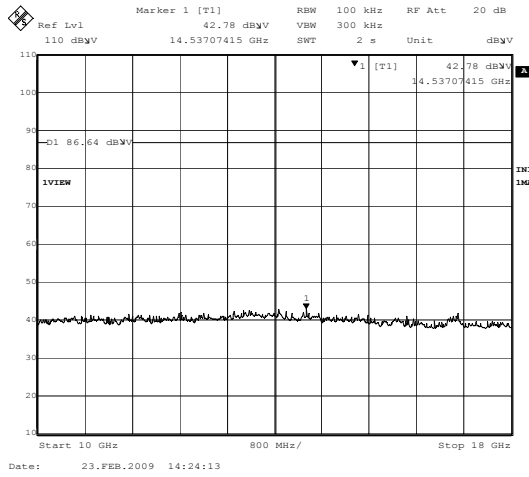
29GE0031-YK-A
DEH-M8597ZT/CA
DC 12.0V

[Transmitting DH5]
Ch:2480MHz

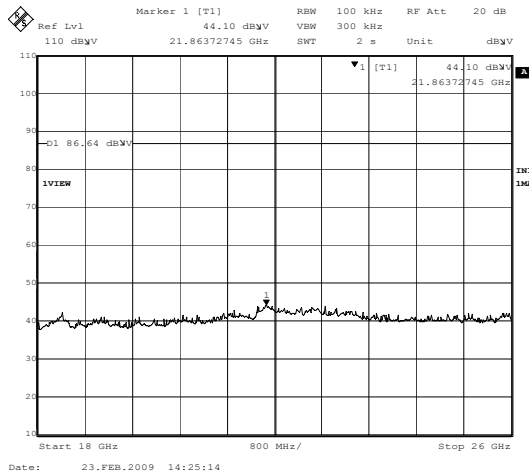
4.



5.

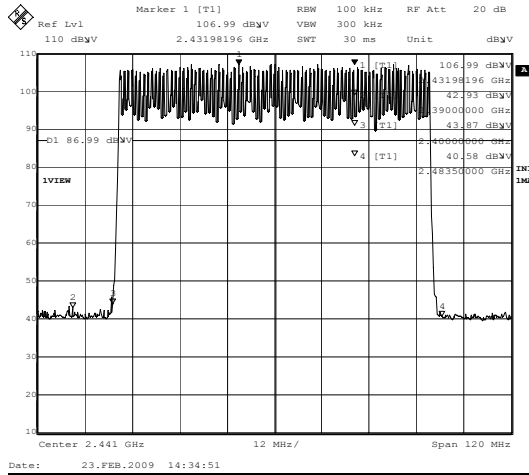


6.

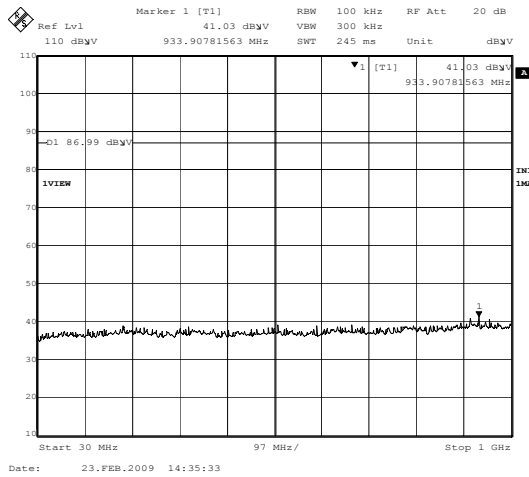


[Transmitting DH5]
Hopping

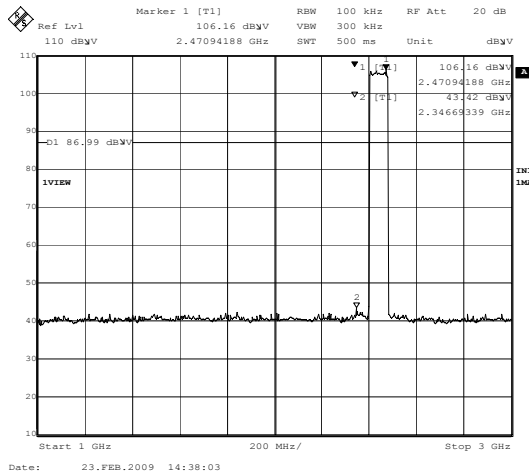
1.



2.

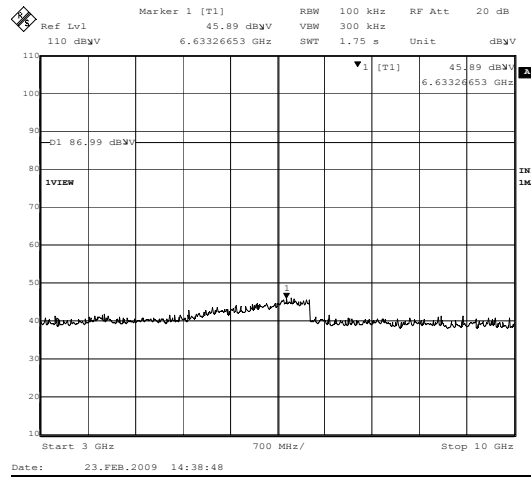


3.

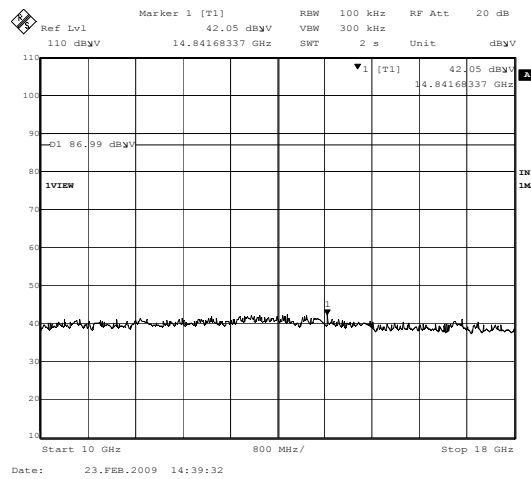


[Transmitting DH5]
Hopping

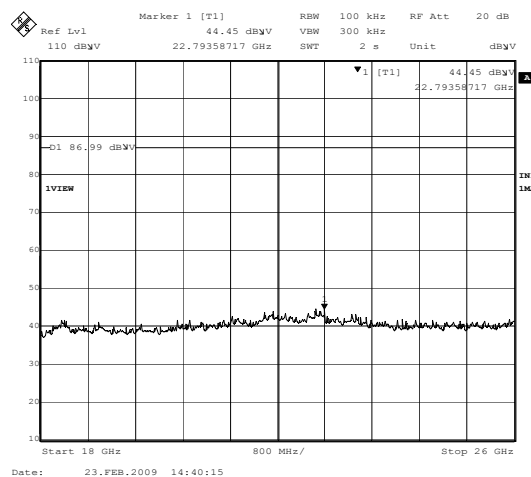
4.



5.

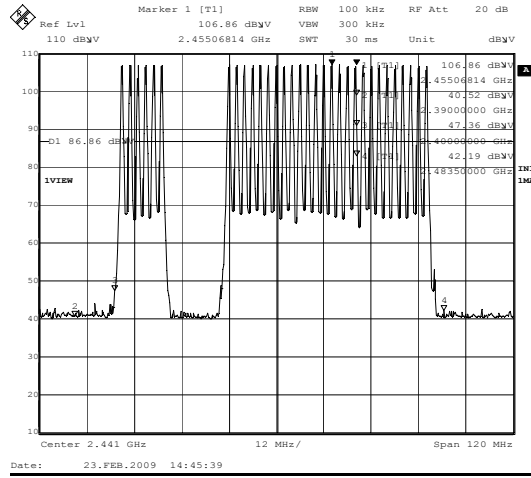


6.

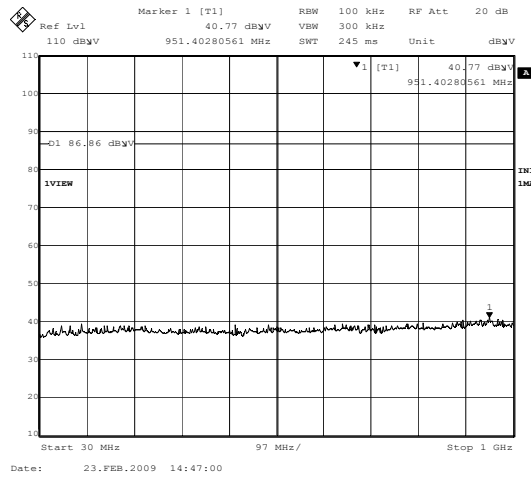


[Transmitting]
Inquiry

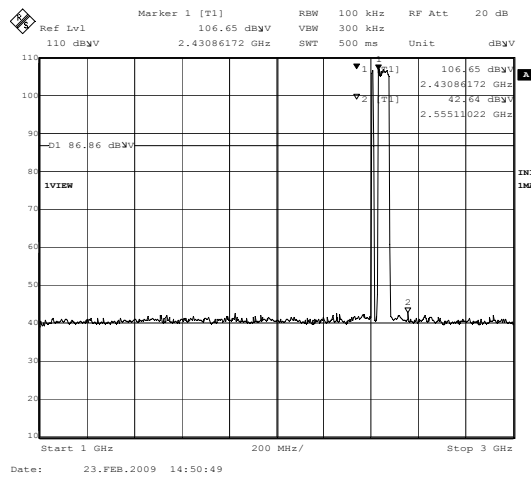
1.



2.

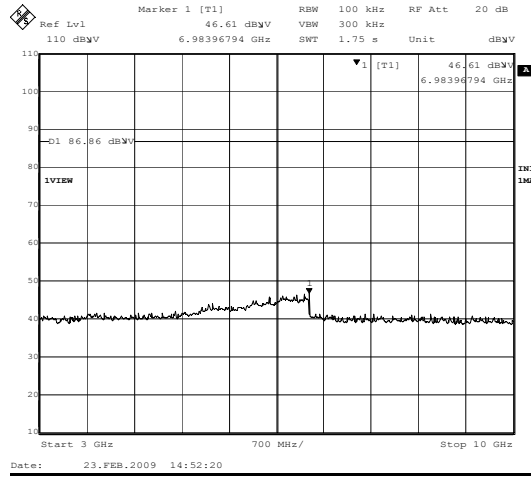


3.

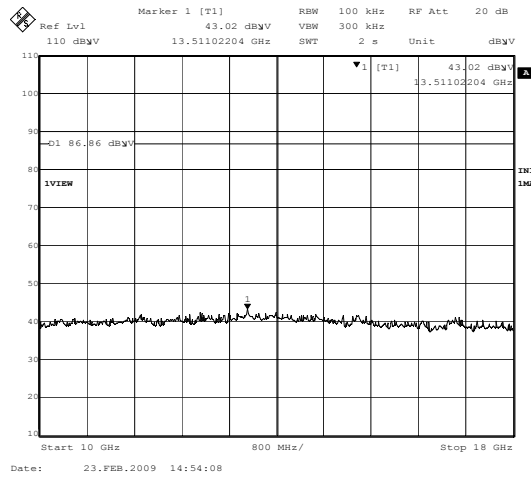


[Transmitting]
Inquiry

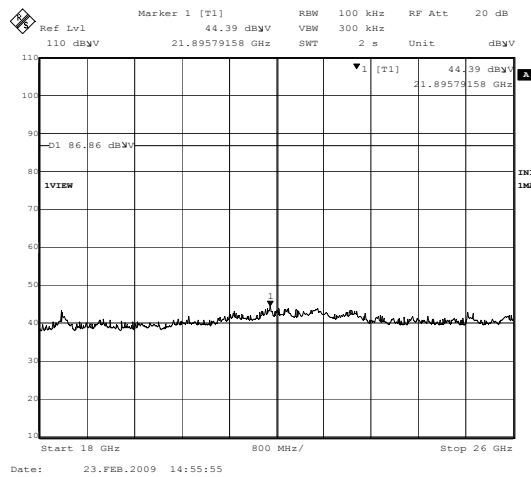
4.



5.



6.



Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2402)DH5
 Remarks : -
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209

Engineer : Yasumasa Owaki

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.	44.82	BB	41.7	41.5	13.2	28.4	1.4	6.0	33.9	33.7	40.0	6.1	6.3	
2.	120.02	BB	43.3	40.6	13.3	28.2	2.4	6.0	36.8	34.1	43.5	6.7	9.4	
3.	184.04	BB	39.3	32.8	16.3	28.0	3.0	6.0	36.6	30.1	43.5	6.9	13.4	
4.	200.04	BB	42.8	37.7	16.7	27.8	3.1	6.0	40.8	35.7	43.5	2.7	7.8	
5.	216.04	BB	45.2	36.9	17.0	27.7	3.3	6.0	43.8	35.5	46.0	2.2	10.5	
6.	360.08	BB	41.0	33.5	16.0	28.0	4.5	6.0	39.5	32.0	46.0	6.5	14.0	

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

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ CABLE: KCC-30/31/32/34 ■ PREAMP: KAF-05 (8447D) ■ EMI RECEIVER: KTR-05 (ESC1)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2441)DH5
 Remarks : -
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209

Engineer : Yasumasa Owaki

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.	44.84	BB	41.8	41.7	13.2	28.4	1.4	6.0	34.0	33.9	40.0	6.0	6.1	
2.	120.02	BB	43.3	40.7	13.3	28.2	2.4	6.0	36.8	34.2	43.5	6.7	9.3	
3.	184.04	BB	39.3	32.6	16.3	28.0	3.0	6.0	36.6	29.9	43.5	6.9	13.6	
4.	200.04	BB	42.9	37.5	16.7	27.8	3.1	6.0	40.9	35.5	43.5	2.6	8.0	
5.	216.05	BB	45.1	36.9	17.0	27.7	3.3	6.0	43.7	35.5	46.0	2.3	10.5	
6.	360.08	BB	40.9	33.3	16.0	28.0	4.5	6.0	39.4	31.8	46.0	6.6	14.2	

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-05 (8447D) ■ EMI RECEIVER: KTR-05 (ESCI)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2480)DH5
 Remarks : -
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209

Engineer : Yasumasa Owaki

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 μ V/m]	VER	HOR [dB]	VER
1.	44.83	BB	41.8	41.7	13.2	28.4	1.4	6.0	34.0	33.9	40.0	6.0	6.1	
2.	120.02	BB	43.4	40.7	13.3	28.2	2.4	6.0	36.9	34.2	43.5	6.6	9.3	
3.	184.04	BB	39.3	33.3	16.3	28.0	3.0	6.0	36.6	30.6	43.5	6.9	12.9	
4.	200.04	BB	43.1	38.1	16.7	27.8	3.1	6.0	41.1	36.1	43.5	2.4	7.4	
5.	216.04	BB	45.3	36.5	17.0	27.7	3.3	6.0	43.9	35.1	46.0	2.1	10.9	
6.	360.08	BB	41.3	33.8	16.0	28.0	4.5	6.0	39.8	32.3	46.0	6.2	13.7	

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-05 (8447D) ■ EMI RECEIVER: KTR-05 (ESCI)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2402)DH5
 Remarks : PK: RBW=1MHz, VBW=1MHz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15. 209(PK Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	55.4	56.1	23.0	38.9	3.5	0.0	43.0	43.7	74.0	31.0	30.3	
2.	1659.31	BB	50.3	51.5	26.3	37.5	4.5	0.0	43.6	44.8	74.0	30.4	29.2	
3.	2390.00	BB	42.9	41.6	28.8	37.2	5.5	0.0	40.0	38.7	74.0	34.0	35.3	
4.	4804.00	BB	46.2	44.4	33.6	36.5	7.3	0.0	50.6	48.8	74.0	23.4	25.2	
5.	7206.00	BB	42.4	42.0	36.1	36.7	8.2	0.0	50.0	49.6	74.0	24.0	24.4	
6.	9608.00	BB	46.1	46.0	37.6	36.7	9.3	0.0	56.3	56.2	74.0	17.7	17.8	
7.	12010.00	BB	45.3	44.7	39.7	35.6	10.1	0.0	59.5	58.9	74.0	14.5	15.1	

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2402)DH5
 Remarks : AV: RBW=1MHz, VBW=300Hz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209(AV Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	33.4	34.0	23.0	38.9	3.5	0.0	21.0	21.6	54.0	33.0	32.4	
2.	1659.31	BB	32.1	32.5	26.3	37.5	4.5	0.0	25.4	25.8	54.0	28.6	28.2	
3.	2390.00	BB	31.8	31.4	28.8	37.2	5.5	0.0	28.9	28.5	54.0	25.1	25.5	
4.	4804.00	BB	34.1	36.3	33.6	36.5	7.3	0.0	38.5	40.7	54.0	15.5	13.3	
5.	7206.00	BB	30.9	30.0	36.1	36.7	8.2	0.0	38.5	37.6	54.0	15.5	16.4	
6.	9608.00	BB	34.2	34.2	37.6	36.7	9.3	0.0	44.4	44.4	54.0	9.6	9.6	
7.	12010.00	BB	33.4	33.3	39.7	35.6	10.1	0.0	47.6	47.5	54.0	6.4	6.5	

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

■ ANTENNA: KHA-01 (SAS-200.571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2441)DH5
 Remarks : PK: RBW=1MHz, VBW=1MHz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209(PK Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	54.2	55.0	23.0	38.9	3.2	0.0	41.5	42.3	74.0	32.5	31.7
2.	1659.21	BB	49.1	51.7	26.3	37.5	4.1	0.0	42.0	44.6	74.0	32.0	29.4
3.	4882.00	BB	45.7	43.9	33.8	36.5	7.1	0.0	50.1	48.3	74.0	23.9	25.7
4.	7323.00	BB	42.3	42.9	36.2	36.7	8.6	0.0	50.4	51.0	74.0	23.6	23.0
5.	9764.00	BB	46.4	46.0	37.6	36.7	10.3	0.0	57.6	57.2	74.0	16.4	16.8
6.	12205.00	BB	44.6	44.7	39.9	35.5	11.6	0.0	60.6	60.7	74.0	13.4	13.3

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

■ ANTENNA: KHA-01 (SAS-200.571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2441)DH5
 Remarks : AV: RBW=1MHz, VBW=300Hz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15. 209(AV Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	33.4	33.4	23.0	38.9	3.2	0.0	20.7	20.7	54.0	33.3	33.3
2.	1659.21	BB	31.8	32.0	26.3	37.5	4.1	0.0	24.7	24.9	54.0	29.3	29.1
3.	4882.00	BB	39.1	35.5	33.8	36.5	7.1	0.0	43.5	39.9	54.0	10.5	14.1
4.	7323.00	BB	30.3	30.7	36.2	36.7	8.6	0.0	38.4	38.8	54.0	15.6	15.2
5.	9764.00	BB	34.4	34.4	37.6	36.7	10.3	0.0	45.6	45.6	54.0	8.4	8.4
6.	12205.00	BB	33.2	33.2	39.9	35.5	11.6	0.0	49.2	49.2	54.0	4.8	4.8

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

■ ANTENNA: KHA-01 (SAS-200.571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2480)DH5
 Remarks : PK: RBW=1MHz, VBW=1MHz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15.209(PK Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	55.9	57.3	23.0	38.9	3.2	0.0	43.2	44.6	74.0	30.8	29.4	
2.	1661.70	BB	50.1	51.8	26.3	37.5	4.1	0.0	43.0	44.7	74.0	31.0	29.3	
3.	2483.50	BB	42.6	42.0	28.8	37.2	5.1	0.0	39.3	38.7	74.0	34.7	35.3	
4.	4960.00	BB	44.3	44.0	34.1	36.5	7.2	0.0	49.1	48.8	74.0	24.9	25.2	
5.	7440.00	BB	42.9	42.3	36.3	36.7	8.7	0.0	51.2	50.6	74.0	22.8	23.4	
6.	9920.00	BB	46.4	46.6	37.6	36.7	10.4	0.0	57.7	57.9	74.0	16.3	16.1	
7.	12400.00	BB	44.3	44.3	40.2	35.4	11.8	0.0	60.9	60.9	74.0	13.1	13.1	

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

■ ANTENNA: KHA-01 (SAS-200.571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Data of Radiated Disturbance Test

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 29GE0031-YK-A

Applicant : PIONEER CORPORATION
 Kind of Equipment : CD Receiver
 Model No. : DEH-M8597ZT/CA
 Serial No. : 00605701BE43
 Power : DC12V
 Mode : Transmitting (2480)DH5
 Remarks : AV: RBW=1MHz, VBW=300Hz
 Date : 2/23/2009
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 50 %
 Limit : FCC Part15C § 15. 209(AV Detection)

Engineer : Yasumasa Owaki

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.	1000.01	BB	34.0	33.8	23.0	38.9	3.2	0.0	21.3	21.1	54.0	32.7	32.9	
2.	1661.70	BB	32.2	32.0	26.3	37.5	4.1	0.0	25.1	24.9	54.0	28.9	29.1	
3.	2483.50	BB	37.8	36.2	28.8	37.2	5.1	0.0	34.5	32.9	54.0	19.5	21.1	
4.	4960.00	BB	35.4	36.1	34.1	36.5	7.2	0.0	40.2	40.9	54.0	13.8	13.1	
5.	7440.00	BB	30.8	30.4	36.3	36.7	8.7	0.0	39.1	38.7	54.0	14.9	15.3	
6.	9920.00	BB	34.8	34.8	37.6	36.7	10.4	0.0	46.1	46.1	54.0	7.9	7.9	
7.	12400.00	BB	33.2	33.0	40.2	35.4	11.8	0.0	49.8	49.6	54.0	4.2	4.4	

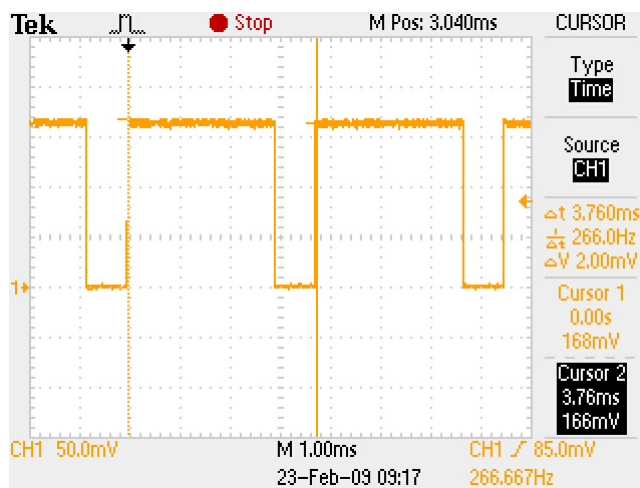
CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200.571) 1-18GHz/KHA-03 (3160-09) 18-26GHz
 ■ CABLE: KCC-D13/D16 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: KSA-04 (R3271A)

Duty Cycle

UL Japan, Inc. Yamakita EMC lab. No.3 Shielded Room
Date: 2009/2/23
Temp/Humid.: 23 deg. C. / 40 %
Engineer: Tatsuya Arai
Test mode: Transmitting

[DH5]



Duty Cycle: 3.76ms

AV Detector VBW: $1000 / 3.76\text{ms} = 265.96\text{Hz} \rightarrow 300\text{Hz}$

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

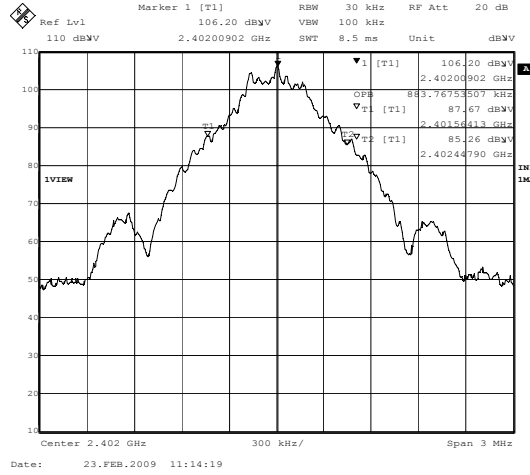
This purpose of the Duty Cycle calculation measures the pulse timing that we ensure Spectrum Analyzer can detect the pulse emission correctly. Therefore, if the pulse train can happen by 50msec(20Hz) or less, the average value measurement by setting the repetition frequency is done more correctly than 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)

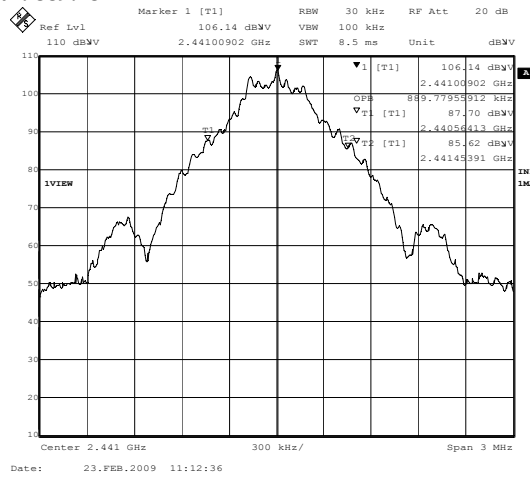
UL Japan, Inc. Yamakita EMC lab. No.3 shielded room
 Date: 2009/2/23
 Temp/Humid.: 23 deg. C. / 40 %
 Engineer: Tatsuya Arai
 Test mode: Transmitting

[Hopping off, DHS]

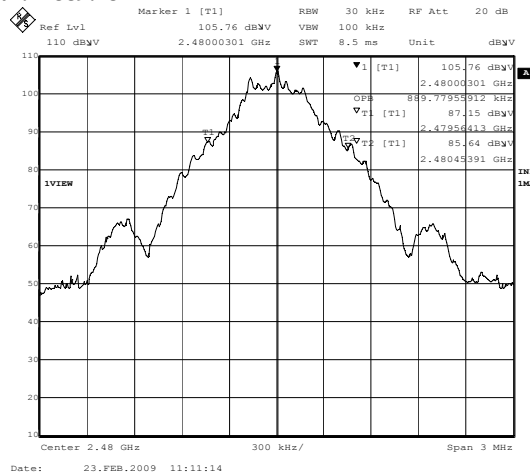
1. ch : 2402MHz/Occupied Bandwidth: 883.77kHz



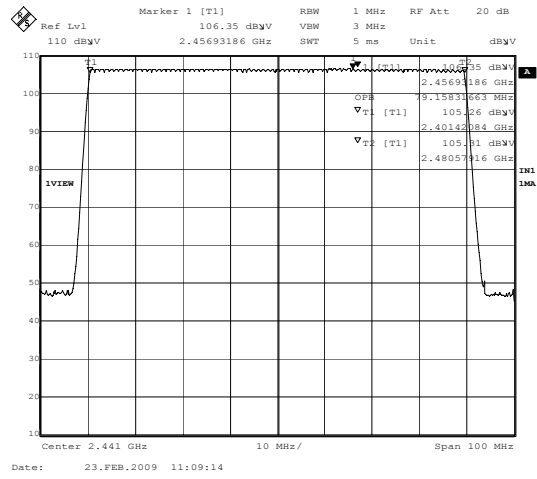
2. ch : 2441MHz/Occupied Bandwidth: 889.78kHz



3. ch : 2480MHz/Occupied Bandwidth: 889.78kHz



4. Hopping, DH5/Occupied Bandwidth: 79.16MHz



**APPENDIX 3
Test Instruments**

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
KAEC-01(NSA)	Anechoic Chamber	JSE	Semi 3m	1	RE	2008/08/06 * 12
KAF-05	Pre Amplifier	Agilent	8447D	2944A10150	RE	2008/04/08 * 12
KAT6-01	Attenuator	INMET	18N-6dB	-	RE	2008/03/17 * 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
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1926	RE	2008/12/28 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	95060087	RE	2008/09/29 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	100054/040	AT 1,2,3,4,6	2008/04/18 * 12
KTR-05	Test Receiver	Rohde & Schwarz	ESCI	100575	RE	2008/07/22 * 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-D13/D16	Coaxial cable	Suhner/INSULATED WIRE INC	SUCOFLEX104/KPS-1501-200-KPS	200723/4 /04202005	RE	2008/04/16 * 12
KCC-D16	Coaxial Cable	INSULATED WIRE INC	KPS-1501-200-KPS	04202005	AT all	2009/02/17 * 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-08	Power meter	Anritsu	ML2495A	6K00003356	AT 5	2008/10/02 * 12
KPSS-04	Power sensor	Anritsu	MA2411B	012088	AT 5	2008/10/02 * 12
CUST-YA-RE	Radiated emission(software)	UL Japan	RE(Ver.1.9)	-	RE	-
KOS-10	Humidity Indicator	Custom	CTH-190	K-10	AT all	2008/07/07 * 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)

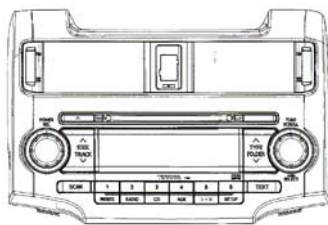
The difference between the mother model and derived models:

Model	DEH-M8597ZT/US	DEH-M9597ZT/US	DEX-MG8097ZT/US	DEX-MG9097ZT/US
Country of mass-production	JAPAN	JAPAN	JAPAN	JAPAN
Type of Equipment	CD Receiver	CD Receiver	CD Receiver	CD Receiver
CD mechanism	Single	Single	6 Changer	6 Changer
AMP	Integrated	Integrated	Separated	Separated
Display	OLED	OLED	OLED	OLED
Panel Shape	*1	*1	*1	*1

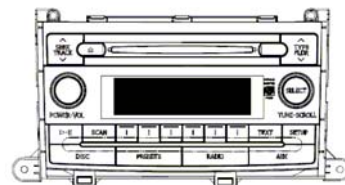
Model	DEH-M8597ZT/CA	DEH-M9597ZT/CA	DEX-MG8097ZT/CA	DEX-MG9097ZT/CA
Country of mass-production	JAPAN	JAPAN	JAPAN	JAPAN
Type of Equipment	CD Receiver	CD Receiver	CD Receiver	CD Receiver
CD mechanism	Single	Single	6 Changer	6 Changer
AMP	Integrated	Integrated	Separated	Separated
Display	OLED	OLED	OLED	OLED
Panel Shape	*1	*1	*1	*1

Model	DEX-MG8697ZT/XN /US	DEH-M8497ZT/XN /US	DEX-MG8697ZT/XN /CA	DEH-M8497ZT/XN /CA
Country of mass-production	THAILAND	THAILAND	THAILAND	THAILAND
Type of Equipment	CD Receiver	CD Receiver	CD Receiver	CD Receiver
CD mechanism	6 Changer	Single	6 Changer	Single
AMP	Separated	Integrated	Separated	Integrated
Display	VFD	VFD	VFD	VFD
Panel Shape	*2	*2	*2	*2

*1:



*2:



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