

Maximum Peak Conducted Output Power

UL Apex Co.,Ltd
YAMAKITA No.2 Shielded Room

COMPANY : Kenwood orporation
EQUIPMENT : AUDIO/VISUAL/NAVIGATION
MODEL NUMBE : FXDD07KF2
SERIAL NUMBE : TA209
FCC ID : IOM39553
POWER : DC12.0V
TEST MODE : Transmitting

REPORT NO : 27GE0214-YK-A
REGULATION : Fcc Part15SubpartC 247(b)(1)
DATE : 2007/02/20
TEMP./HUMI : 23deg.C/31%

ENGINEER : Makoto Hosaka

CH	FREQ [GHz]	P/M Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (125mW) [dBm]	MARGIN [dB]
Low	2402.00	-0.53	0.40	-0.13	20.96	21.09
Mid	2441.00	-0.37	0.40	0.03	20.96	20.93
High	2480.00	-1.09	0.30	-0.79	20.96	21.75

Limit: 125mW=20.96dBm

P/M: Power Meter

CABLE LOSS:KCC-D7+client's cable

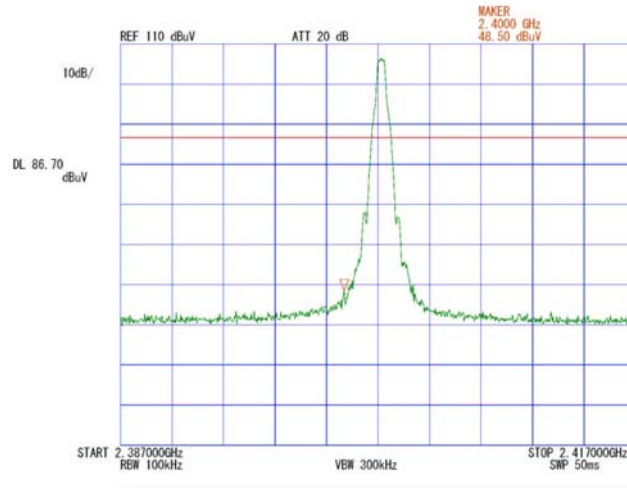
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Kenwood Corporation
EQUIPMENT : AUDIO/VISUAL/NAVIGATION
MODEL NUMBER: FXDD07KF2
SERIAL NUMBER: TA209
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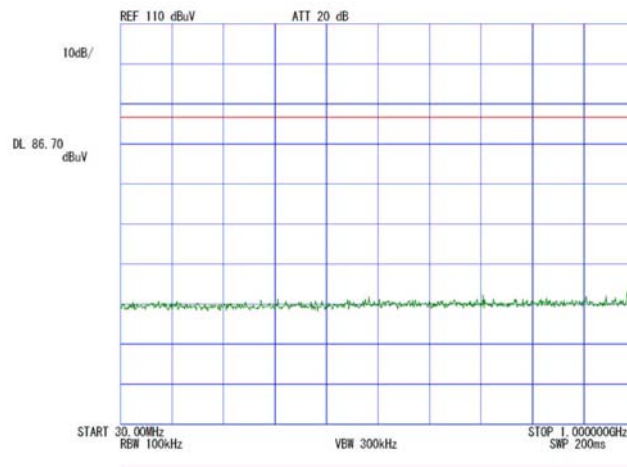
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REPORT NO : 27GE0214-YK-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/02/20
TEMP./HUMI : 23deg.C./31%
ENGINEER : Makoto Hosaka

[Transmitting]
Ch:2402MHz

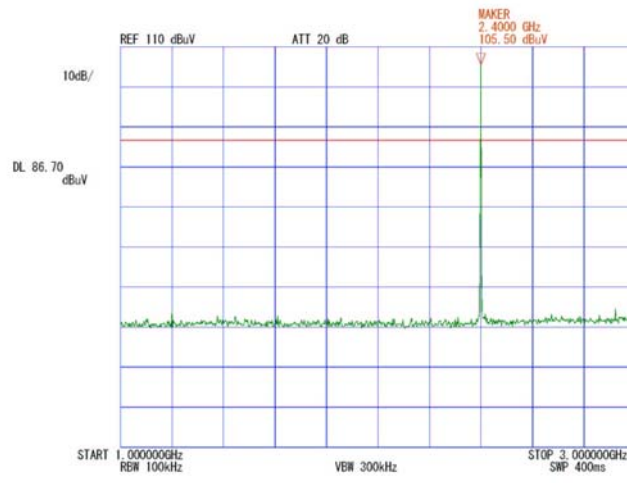
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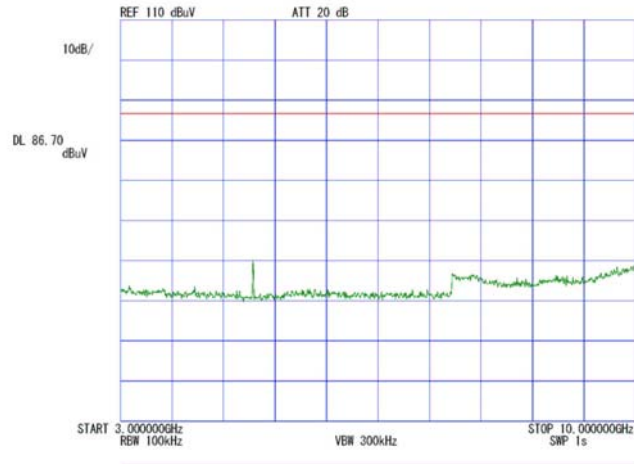
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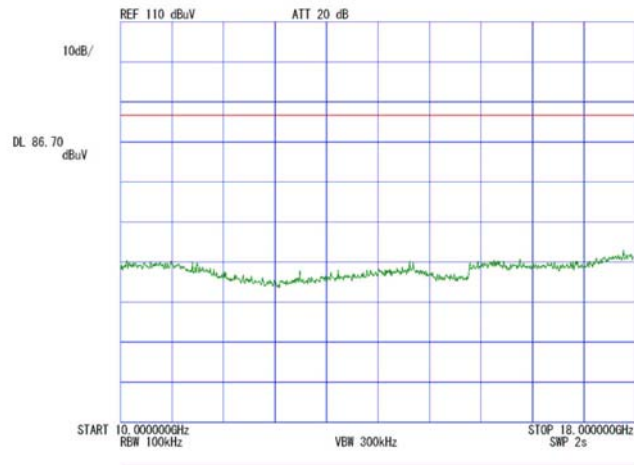
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ENGINEER : Makoto Hosaka

[Transmitting]
Ch:2402MHz

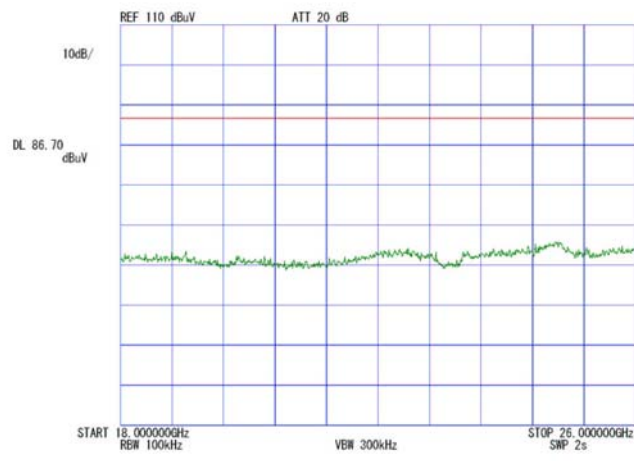
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5.



6.



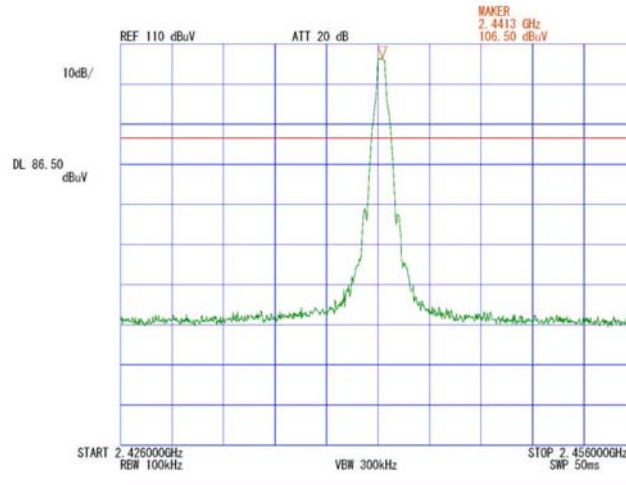
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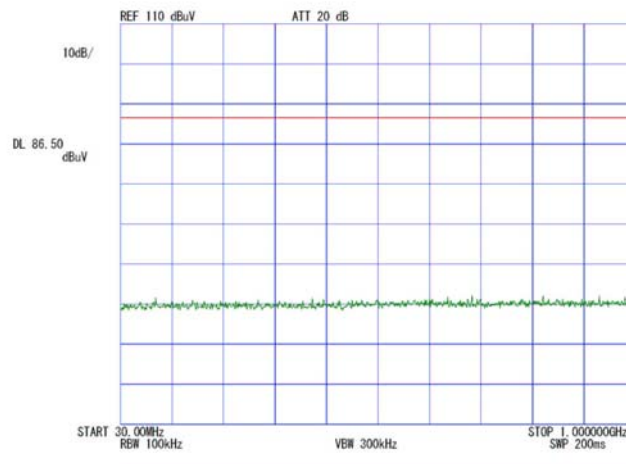
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DATE : 2007/02/20
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ENGINEER : Makoto Hosaka

[Transmitting]
Ch:2441MHz

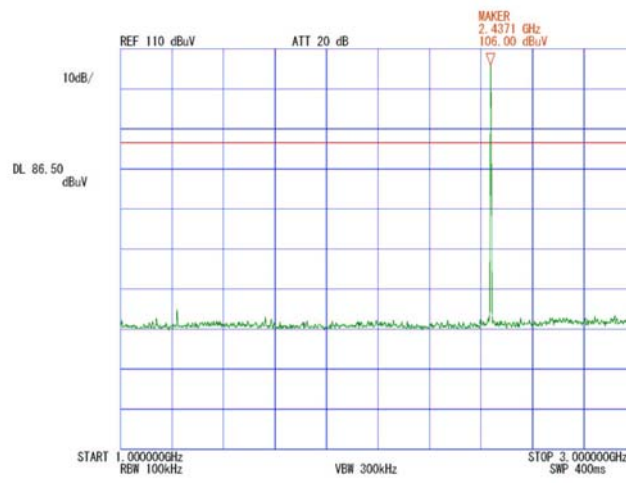
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2.



3.



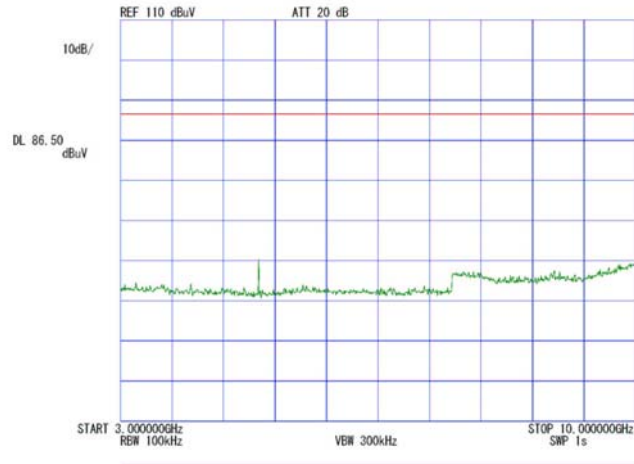
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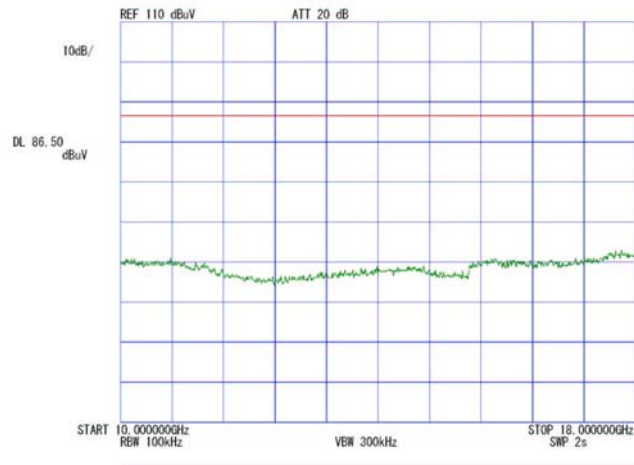
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Ch:2441MHz

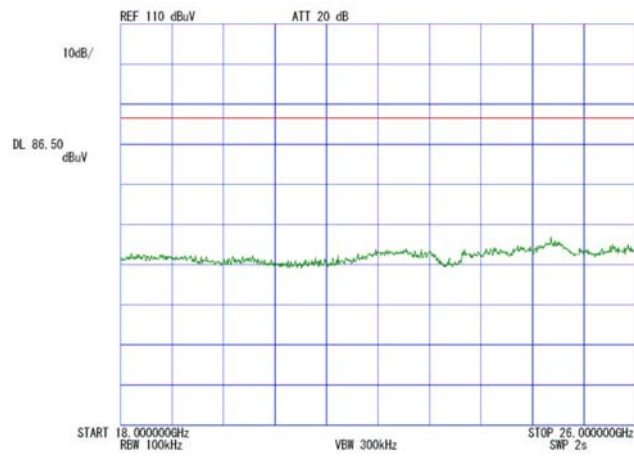
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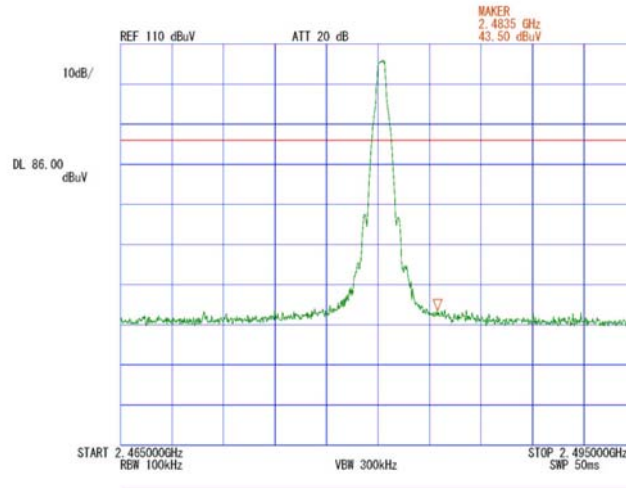
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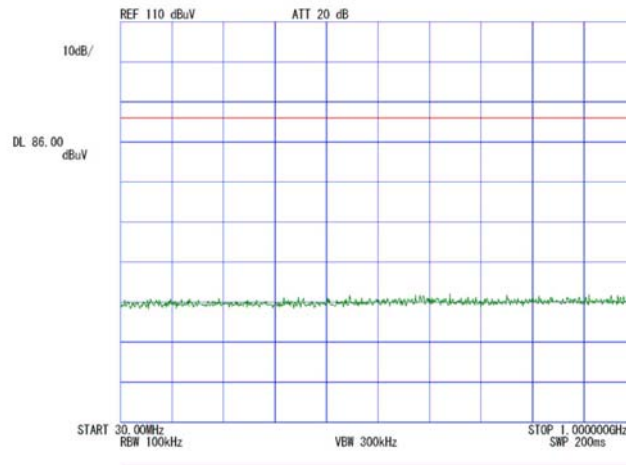
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[Transmitting]
Ch11:2480MHz

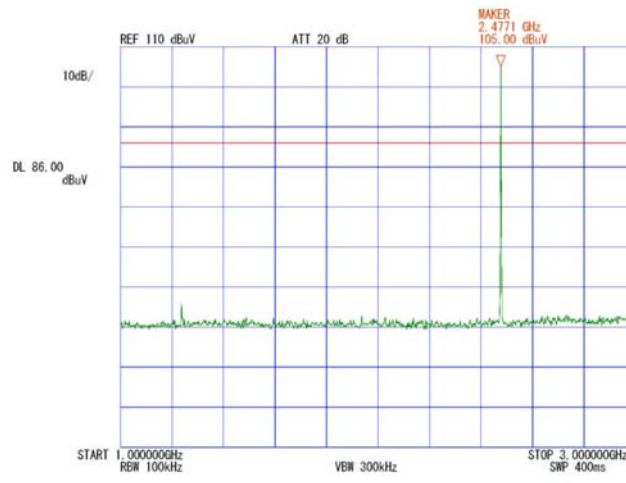
1.



2.



3.



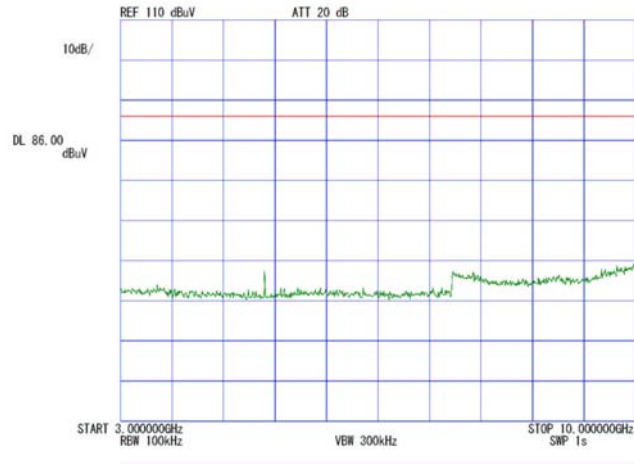
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POWER : DC12.0V

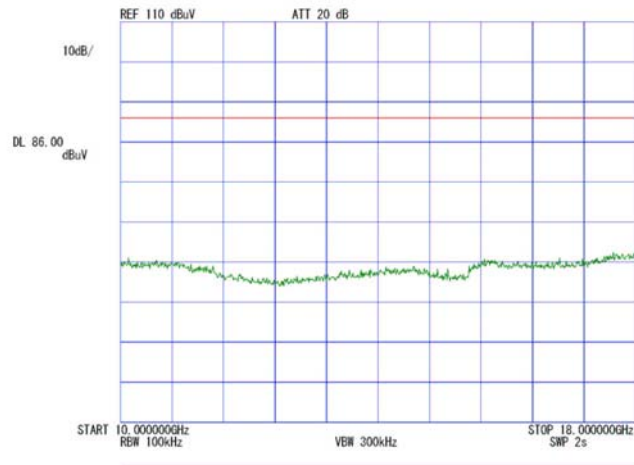
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ENGINEER : Makoto Hosaka

[Transmitting]
Ch:2480MHz

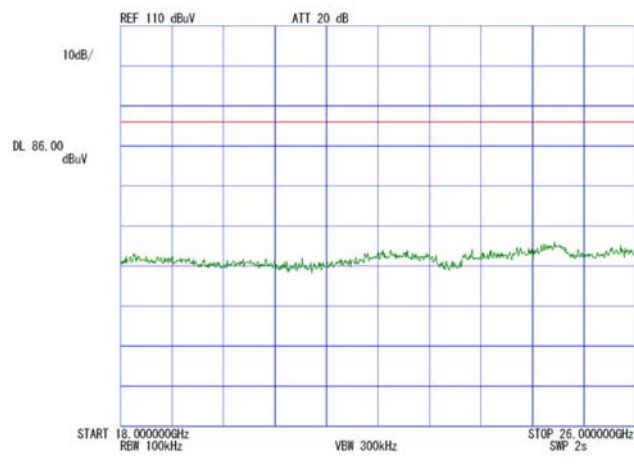
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

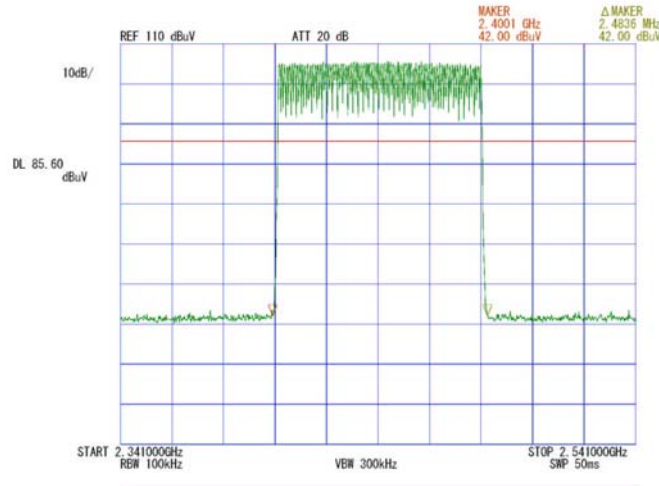
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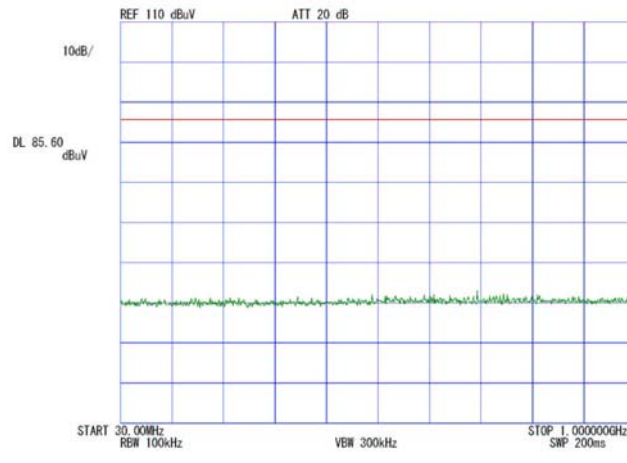
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ENGINEER : Makoto Hosaka

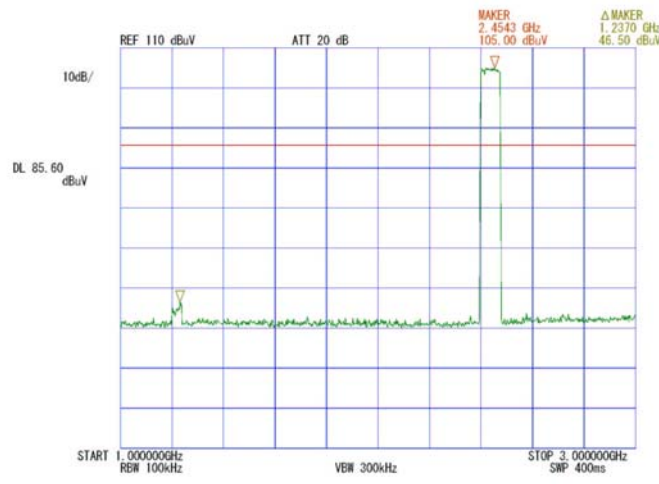
[Hopping]
1.



2.



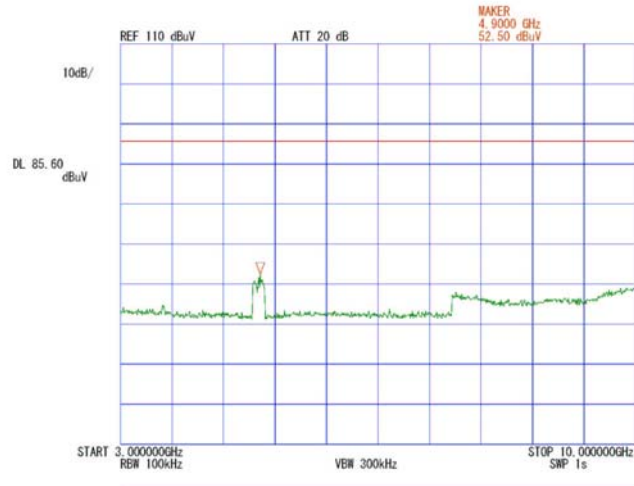
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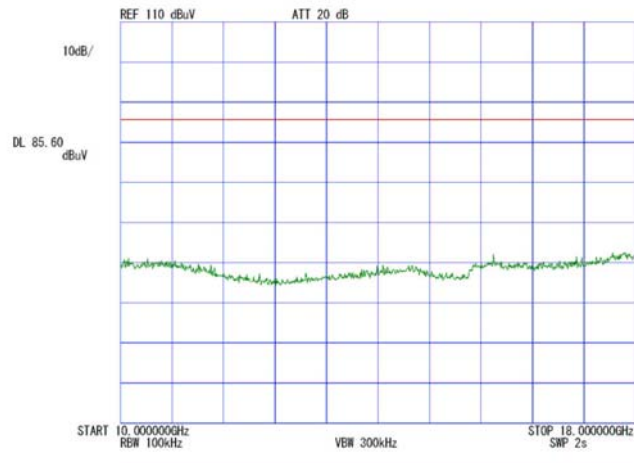
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SERIAL NUMBER: TA209
FCC ID : IOM39553
POWER : DC12.0V
[Hopping]
4.

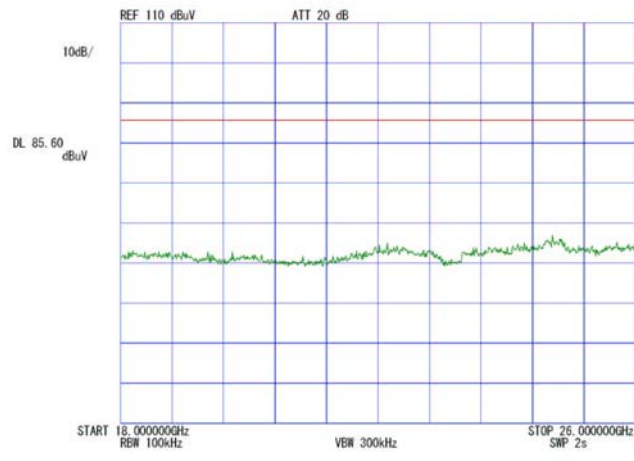
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DATE : 2007/02/20
TEMP./HUMI : 23deg.C./31%
ENGINEER : Makoto Hosaka



5.



6.



DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
Kind of Equipment : AUDIO/VISUAL/NAVIGATION
Model No. : FXDD07KF2
Serial No. : TA209
Power : DC12V
Mode : Transmitting 2402MHz
Remarks : -
Date : 2/26/2007
Test Distance : 3 m
Temperature : 22 °C
Humidity : 30 %
Regulation : FCC Part15C § 15. 209

Engineer : Go Ishiwata

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.	46.95	BB	29.0	33.7	11.6	28.5	1.3	6.0	19.4	24.1	40.0	20.6	15.9	
2.	122.85	BB	33.6	39.3	13.5	28.3	2.3	6.1	27.2	32.9	43.5	16.3	10.6	
3.	132.90	BB	33.9	33.3	14.1	28.2	2.4	6.1	28.3	27.7	43.5	15.2	15.8	
4.	422.86	BB	33.2	37.9	17.3	28.6	4.8	6.0	32.7	37.4	46.0	13.3	8.6	
5.	648.00	BB	31.3	26.2	19.9	29.1	5.7	6.0	33.8	28.7	46.0	12.2	17.3	
6.	869.69	BB	29.9	27.5	21.7	28.9	6.6	6.1	35.4	33.0	46.0	10.6	13.0	

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz
■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: APRCV04 (SMV41)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2441MHz
 Remarks : -
 Date : 2/26/2007
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 30 %
 Regulation : FCC Part15C § 15. 209

Engineer : Go Ishiwata

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.	48.39	BB	29.2	34.5	11.1	28.5	1.3	6.0	19.1	24.4	40.0	20.9	15.6	
2.	122.85	BB	34.0	39.7	13.5	28.3	2.3	6.1	27.6	33.3	43.5	15.9	10.2	
3.	132.90	BB	34.7	33.3	14.1	28.2	2.4	6.1	29.1	27.7	43.5	14.4	15.8	
4.	422.85	BB	33.5	37.6	17.3	28.6	4.8	6.0	33.0	37.1	46.0	13.0	8.9	
5.	648.01	BB	30.9	26.4	19.9	29.1	5.7	6.0	33.4	28.9	46.0	12.6	17.1	
6.	869.68	BB	30.3	27.3	21.7	28.9	6.6	6.1	35.8	32.8	46.0	10.2	13.2	

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: APRCVO4 (SMV41)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2480MHz
 Remarks : -
 Date : 2/26/2007
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 30 %
 Regulation : FCC Part15C § 15. 209

Engineer : Go Ishiwata

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.	46.94	BB	29.1	34.1	11.6	28.5	1.3	6.0	19.5	24.5	40.0	20.5	15.5
2.	122.85	BB	33.5	39.5	13.5	28.3	2.3	6.1	27.1	33.1	43.5	16.4	10.4
3.	132.91	BB	34.1	33.0	14.1	28.2	2.4	6.1	28.5	27.4	43.5	15.0	16.1
4.	422.85	BB	33.2	37.5	17.3	28.6	4.8	6.0	32.7	37.0	46.0	13.3	9.0
5.	648.00	BB	31.1	26.5	19.9	29.1	5.7	6.0	33.6	29.0	46.0	12.4	17.0
6.	869.68	BB	30.5	27.7	21.7	28.9	6.6	6.1	36.0	33.2	46.0	10.0	12.8

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: APRCV04 (SMV41)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2402MHz
 Remarks : PK RBW:1MHz, VBW:1MHz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15C §15.209(PK Detection)

Engineer : Makoto Hosaka

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	1232.12	BB	48.3	50.0	24.4	37.4	3.1	10.0	48.4	50.1	74.0	25.6	23.9
2.	1811.99	BB	48.0	51.4	28.4	36.8	3.6	10.0	53.2	56.6	74.0	20.8	17.4
3.	2390.00	BB	44.2	42.9	29.8	36.8	4.0	9.9	51.1	49.8	74.0	22.9	24.2
4.	4804.00	BB	51.1	53.8	33.8	37.1	5.8	0.5	54.1	56.8	74.0	19.9	17.2
5.	7206.00	BB	41.8	42.1	37.5	36.9	6.6	0.5	49.5	49.8	74.0	24.5	24.2
6.	9608.00	BB	42.8	43.7	38.9	37.0	7.6	1.0	53.3	54.2	74.0	20.7	19.8
7.	12010.00	BB	42.6	42.3	40.7	36.2	9.0	0.4	56.5	56.2	74.0	17.5	17.8

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-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

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YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2402MHz
 Remarks : AV RBW:1MHz, VBW:10Hz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15C §15.209(AV Detection)

Engineer : Makoto Hosaka

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.	1232.12	BB	35.1	35.4	24.4	37.4	3.1	10.0	35.2	35.5	54.0	18.8	18.5
2.	1811.99	BB	33.6	34.3	28.4	36.8	3.6	10.0	38.8	39.5	54.0	15.2	14.5
3.	2390.00	BB	32.4	32.2	29.8	36.8	4.0	9.9	39.3	39.1	54.0	14.7	14.9
4.	4804.00	BB	45.3	47.2	33.8	37.1	5.8	0.5	48.3	50.2	54.0	5.7	3.8
5.	7206.00	BB	30.6	32.1	37.5	36.9	6.6	0.5	38.3	39.8	54.0	15.7	14.2
6.	9608.00	BB	32.3	32.8	38.9	37.0	7.6	1.0	42.8	43.3	54.0	11.2	10.7
7.	12010.00	BB	31.5	31.5	40.7	36.2	9.0	0.4	45.4	45.4	54.0	8.6	8.6

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-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

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 Mode : Transmitting 2441MHz
 Remarks : PK RBW:1MHz, VBW:1MHz
 Date : 2/20/2007
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 Humidity : 38 %
 Regulation : FCC Part15C § 15.209(PK Detection)

Engineer : Makoto Hosaka

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.	1232.08	BB	47.4	48.0	24.4	37.4	3.1	10.0	47.5	48.1	74.0	26.5	25.9
2.	4882.00	BB	51.3	53.4	34.0	37.2	5.8	0.5	54.4	56.5	74.0	19.6	17.5
3.	7323.00	BB	41.9	40.3	37.6	37.0	6.7	0.5	49.7	48.1	74.0	24.3	25.9
4.	9764.00	BB	42.9	44.8	38.8	37.0	7.6	0.9	53.2	55.1	74.0	20.8	18.9
5.	12205.00	BB	42.1	42.3	40.5	35.8	8.8	0.5	56.1	56.3	74.0	17.9	17.7

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-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2441MHz
 Remarks : AV RBW:1MHz, VBW:10Hz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15C § 15.209(AV Detection)

Engineer : Makoto Hosaka

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.	1232.08	BB	34.8	35.3	24.4	37.4	3.1	10.0	34.9	35.4	54.0	19.1	18.6
2.	4882.00	BB	43.8	47.2	34.0	37.2	5.8	0.5	46.9	50.3	54.0	7.1	3.7
3.	7323.00	BB	31.5	30.1	37.6	37.0	6.7	0.5	39.3	37.9	54.0	14.7	16.1
4.	9764.00	BB	32.7	35.7	38.8	37.0	7.6	0.9	43.0	46.0	54.0	11.0	8.0
5.	12205.00	BB	31.2	31.2	40.5	35.8	8.8	0.5	45.2	45.2	54.0	8.8	8.8

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-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2480MHz
 Remarks : PK RBW:1MHz, VBW:1MHz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15C § 15.209 (PK Detection)
 Engineer : Makoto Hosaka

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.	1232.09	BB	47.2	48.3	24.4	37.4	3.1	10.0	47.3	48.4	74.0	26.7	25.6
2.	2483.50	BB	49.8	44.3	29.7	36.8	4.0	9.9	56.6	51.1	74.0	17.4	22.9
3.	4960.00	BB	48.9	51.5	34.2	37.3	5.8	0.4	52.0	54.6	74.0	22.0	19.4
4.	7440.00	BB	39.4	39.1	37.8	37.0	6.7	0.5	47.4	47.1	74.0	26.6	26.9
5.	9920.00	BB	43.6	43.7	38.7	36.9	7.6	0.8	53.8	53.9	74.0	20.2	20.1
6.	12400.00	BB	41.7	41.7	40.4	35.4	8.6	0.6	55.9	55.9	74.0	18.1	18.1

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz / KHA-03 (3160-09) 18-26.5GHz
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Transmitting 2480MHz
 Remarks : AV RBW:1MHz, VBW:10Hz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15C § 15.209 (AV Detection)

Engineer : Makoto Hosaka

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.	1232.09	BB	35.0	35.2	24.4	37.4	3.1	10.0	35.1	35.3	54.0	18.9	18.7
2.	2483.50	BB	43.8	37.5	29.7	36.8	4.0	9.9	50.6	44.3	54.0	3.4	9.7
3.	4960.00	BB	43.2	46.4	34.2	37.3	5.8	0.4	46.3	49.5	54.0	7.7	4.5
4.	7440.00	BB	29.4	29.3	37.8	37.0	6.7	0.5	37.4	37.3	54.0	16.6	16.7
5.	9920.00	BB	33.2	34.1	38.7	36.9	7.6	0.8	43.4	44.3	54.0	10.6	9.7
6.	12400.00	BB	31.1	31.2	40.4	35.4	8.6	0.6	45.3	45.4	54.0	8.7	8.6

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz / KHA-03 (3160-09) 18-26.5GHz

■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Receiving 2441MHz
 Remarks : -
 Date : 2/26/2007
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 30 %
 Regulation : FCC Part15B § 15. 109(a)

Engineer : Go Ishiwata

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.	46.97	BB	28.5	34.0	11.6	28.5	1.3	6.0	18.9	24.4	40.0	21.1	15.6
2.	122.86	BB	33.8	39.2	13.5	28.3	2.3	6.1	27.4	32.8	43.5	16.1	10.7
3.	132.91	BB	34.3	32.8	14.1	28.2	2.4	6.1	28.7	27.2	43.5	14.8	16.3
4.	422.86	BB	32.9	37.9	17.3	28.6	4.8	6.0	32.4	37.4	46.0	13.6	8.6
5.	648.01	BB	30.7	26.6	19.9	29.1	5.7	6.0	33.2	29.1	46.0	12.8	16.9
6.	869.68	BB	30.1	27.6	21.7	28.9	6.6	6.1	35.6	33.1	46.0	10.4	12.9

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

■ ANTENNA: KBA-03 (BBA9106) 30-299MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ CABLE: KCC-30/31/32/34 ■ RECEIVER: APRCV04 (SMV41)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Receiving 2441MHz
 Remarks : PK RBW:1MHz, VBW:1MHz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15B CLASS B(PK)

Engineer : Makoto Hosaka

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.	1232.10	BB	56.2	59.4	24.4	37.4	3.1	0.0	46.3	49.5	74.0	27.7	24.5
2.	1811.88	BB	55.6	58.9	28.4	36.8	3.6	0.0	50.8	54.1	74.0	23.2	19.9
3.	2441.00	BB	53.8	51.0	29.7	36.8	4.0	0.0	50.7	47.9	74.0	23.3	26.1
4.	4882.00	BB	41.8	42.2	34.0	37.2	5.8	0.0	44.4	44.8	74.0	29.6	29.2
5.	7323.00	BB	40.1	41.6	37.6	37.0	6.7	0.0	47.4	48.9	74.0	26.6	25.1
6.	9764.00	BB	43.1	42.8	38.8	37.0	7.6	0.0	52.5	52.2	74.0	21.5	21.8
7.	12205.00	BB	42.0	42.0	40.5	35.8	8.8	0.0	55.5	55.5	74.0	18.5	18.5

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz

■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 27GE0214-YK-A

Applicant : Kenwood Corporation
 Kind of Equipment : AUDIO/VISUAL/NAVIGATION
 Model No. : FXDD07KF2
 Serial No. : TA209
 Power : DC12V
 Mode : Receiving 2441MHz
 Remarks : AV RBW:1MHz, VBW:10Hz
 Date : 2/20/2007
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 38 %
 Regulation : FCC Part15B § 15.109(a)

Engineer : Makoto Hosaka

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.	1232.10	BB	37.7	38.0	24.4	37.4	3.1	0.0	27.8	28.1	54.0	26.2	25.9
2.	1811.88	BB	36.2	36.9	28.4	36.8	3.6	0.0	31.4	32.1	54.0	22.6	21.9
3.	2441.00	BB	51.4	47.1	29.7	36.8	4.0	0.0	48.3	44.0	54.0	5.7	10.0
4.	4882.00	BB	31.2	30.9	34.0	37.2	5.8	0.0	33.8	33.5	54.0	20.2	20.5
5.	7323.00	BB	29.0	31.3	37.6	37.0	6.7	0.0	36.3	38.6	54.0	17.7	15.4
6.	9764.00	BB	32.1	31.9	38.8	37.0	7.6	0.0	41.5	41.3	54.0	12.5	12.7
7.	12205.00	BB	32.2	31.9	40.5	35.8	8.8	0.0	45.7	45.4	54.0	8.3	8.6

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

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz

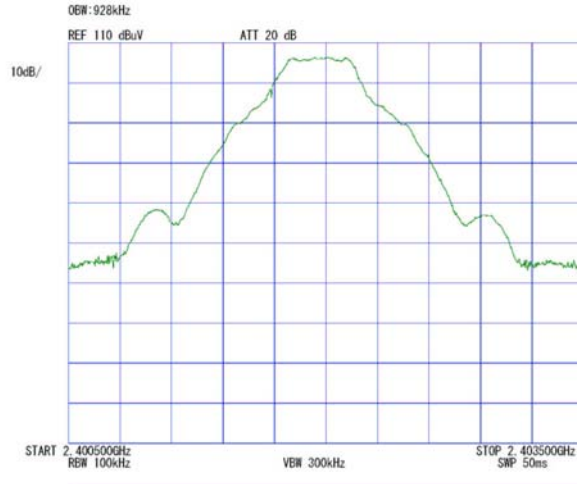
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUM ANALYZER: KSA-04 (R3271A)

Occupied Bandwidth(99%)

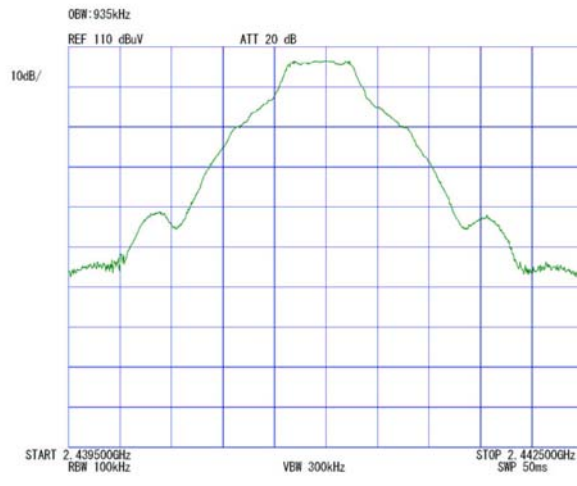
COMPANY : Kenwood Corporation
EQUIPMENT : AUDIO/VISUAL/NAVIGATION
MODEL NUMBER: FXDD07KF2
SERIAL NUMBER: TA209
FCC ID : IOM39553
POWER : DC12.0V

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room
REPORT NO : 27GE0214-YK-A
REGULATION : RSS-210
DATE : 2007/02/20
TEMP./HUMI : 23deg.C./31%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

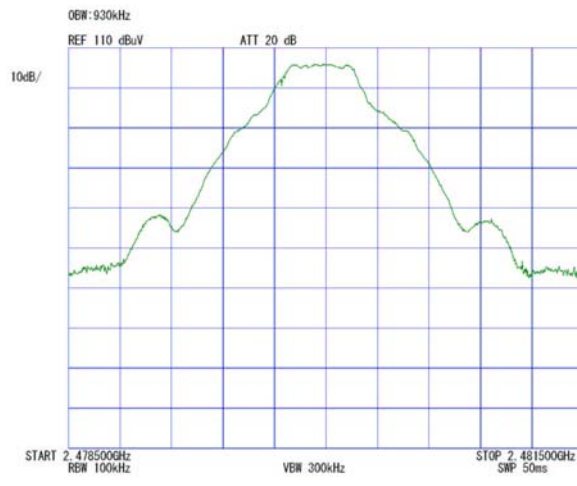
1. ch : 2402MHz/Occupied Bandwidth:928kHz



2. ch : 2441MHz/Occupied Bandwidth:935kHz



3. ch : 2480MHz/Occupied Bandwidth:930kHz

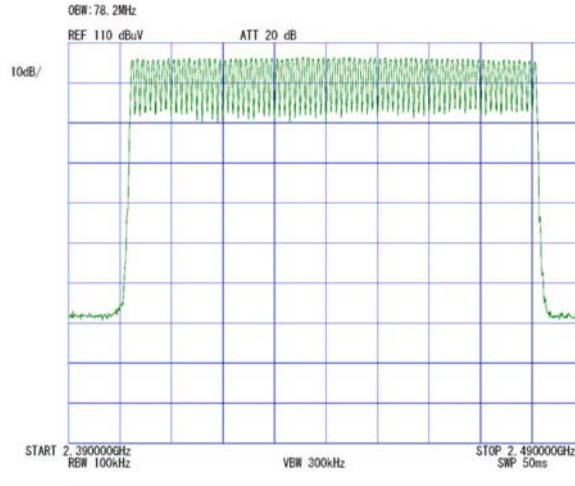


Occupied Bandwidth(99%)

COMPANY : Kenwood Corporation
EQUIPMENT : AUDIO/VISUAL/NAVIGATION
MODEL NUMBER: FXDD07KF2
SERIAL NUMBER: TA209
FCC ID : IOM39553
POWER : DC12.0V

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room
REPORT NO : 27GE0214-YK-A
REGULATION : RSS-210
DATE : 2007/02/20
TEMP./HUMI : 23deg.C./31%
TEST MODE : Transmitting
ENGINEER : Makoto Hosaka

4. Hopping/Occupied Bandwidth:78.2MHz



APPENDIX 3
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-RE	Radiated emission(software)	UL-Apex	RE(Ver.1.5)	RE	-
KAEC-01(NSA)	Anechoic Chamber	JSE	Semi 3m	RE	2006/08/31 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2006/04/21 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2006/03/24 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/06 * 12
KCC-30/31/32 /34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	RE	2006/11/27 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/06 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE/AT 1,2,3,4,6	2006/09/05 * 12
KOS-02	Humidity Indicator	Custom	CTH-190	RE/AT all	2006/07/10 * 24
KJM-01	Measure	TAJIMA	GL19-55	RE	-
APRCV03	Test Receiver	MEB	SMV41	RE	2006/10/04 * 12
KAF-02	Pre Amplifier	Hewlett Packard	8449B	RE	2006/04/24 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2006/04/11 * 12
KCC-D3/D7	Coaxial Cable	Rosenberger/Advantest	2201/JUN-08-01-061	RE	2006/04/11 * 12
KCC-D7	Coaxial Cable	Advantest	A01002	AT all	2006/04/11 * 12
KFL-01	Highpass Filter	Hewlett Packard	84300 80038	RE	2006/04/11 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2006/08/17 * 12
KHA-03	Horn Antenna	EMCO	3160-09	RE	2006/04/10 * 12
KPM-05	Power meter	Agilent	E4417A	AT 5	2006/02/16 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT 5	2006/03/15 * 12
KST-09	Digitizing Oscilloscope	Tektronix	TDS420A	AT 4	2006/08/21 * 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: Bandwidth
 - 3: Number of Hopping Frequency
 - 4: Dwell time
 - 5: Maximum Peak Output Power
 - 6: Out of Band Emission (Conducted)