

FCC ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT CERTIFICATION TO FCC PART 15 REQUIREMENTS

for

INTENTIONAL RADIATOR

of

Car Alarm Transceiver

FCC ID Number : GOH-PAN09

Trade Name : CODE SYSTEMS, INC.

Model Number : LED TX

Agency Series : N/A

Report Number : C30602013-RP

Date : September 16, 2003

Prepared for :

CODE SYSTEMS, INC.

525 MINNESOTA

TROY MI 48083, USA

Prepared by :

C&C LABORATORY CO., LTD.

No. 165, Chung Sheng Road, Hsin Tien City,

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Lab. Code: 200617-0



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1. VERIFICATION OF COMPLIANCE

COMPANY NAME : CODE SYSTEMS, INC.
525 MINNESOTA
TROY MI 48083, USA

CONTACT PERSON : MR. SHANE WILSON / RETAIL PROGRAM MANAGER

TELEPHONE NO. : 1-248-583-9620

EUT DESCRIPTION : Car Alarm Transceiver

MODEL NAME/NUMBER : LED TX

FCC ID : GOH-PAN09

DATE TESTED : June 13, 2003

REPORT NUMBER : C30602013-RP

TYPE OF EQUIPMENT	SECURITY EQUIPMENT (INTENTIONAL RADIATOR)
EQUIPMENT TYPE	433.92 MHz Car Alarm Transceiver
MEASUREMENT PROCEDURE	ANSI 63.4 / 1992
LIMIT TYPE	CERTIFICATION
FCC RULE	CFR 47, PART 15

The above equipment was tested by C&C Laboratory Co., Ltd. for compliance with the requirements set forth in the FCC CFR 47, PART 15. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. **Warning:** This document reports conditions under which testing was conducted and results of tests performed. This document may not be altered or revised in any way unless done so by C&C Laboratory Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by C&C Laboratory Co., Ltd. will constitute fraud and shall nullify the document.

Vince Chiang

Vince Chiang / Supervisor
C&C Laboratory Co., Ltd.

2. PRODUCT DESCRIPTION

Fundamental Frequency	433.92 MHz
Power Source	3V Battery
Transmitting Time	Periodic $\leq$ 5 seconds
Associated Receiver	Model: H5OTR09AM (FCC ID)

3. TEST FACILITY

The open area test sites and conducted measurement facilities used to collect the radiated data are located at No. 165 & No. 199, Chung Sheng Road, Hsin Tien City, Taipei, Taiwan R.O.C. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

4. MEASUREMENT STANDARDS

The site is constructed and calibrated in conformance with the requirements of ANSI C63.4/1992.

5. TEST METHODOLOGY

For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 KHz, up to at least the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. (CFR 47 Section 15.33)

6. MEASUREMENT EQUIPMENT USED

Manufacturer	Model Number	Description	Cal Due Date
R&S	ESVS30	MEASURE RECEIVER	09/13/03
ADVANTEST	R3132	SPECTRUM ANALYZER	09/11/03
SCHAFFNER	CBL 6112B	ANTENNA	11/11/03
BELDEN	9913	CABLE	10/13/03
SCHAFFNER	CPA9231A	PRE-AMPLIFIER	10/30/03
ANTENNA (1-18GHz)	3115	EMCO	02/24/04
AMPLIFIER (1-26.5GHz)	8449B	HP	02/20/04
CABLE (1-18GHz)	SUCOFLEX 104	HUBER+SUHNER	02/20/04
EMC ANALYZER (9KHz-22GHz)	8593A	HP	01/09/04

7. POWERLINE RFI LIMIT

CONNECTED TO AC POWER LINE	SECTION 15.207
CARRIER CURRENT SYSTEM IN THE FREQUENCY RANGE OF 450 KHz TO 30 MHz	SECTION 15.205 AND SECTION 15.209, 15.221, 15.223, 15.225 OR 15.227, AS APPROPRIATE.
BATTERY POWER	NO REQUIRED.

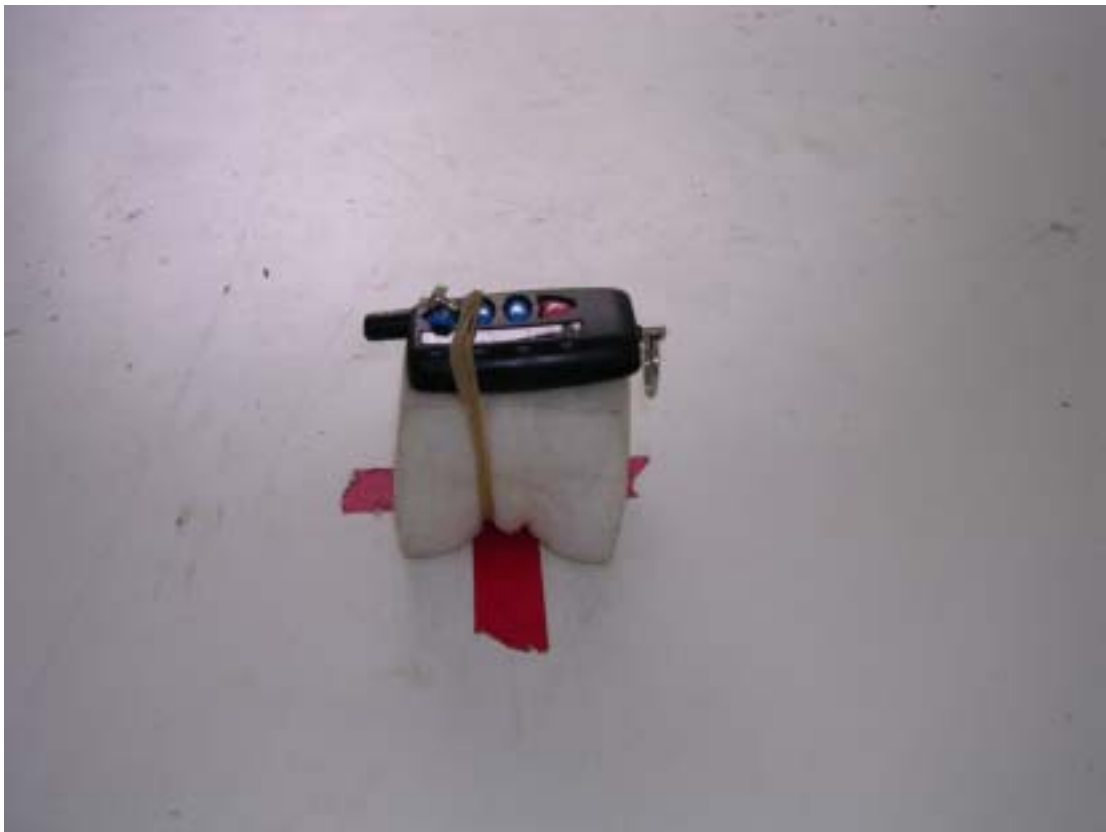
8. RADIATED EMISSION LIMITS

GENERAL REQUIREMENTS	SECTION 15.209
RESTRICTED BANDS OF OPERATION	SECTION 15.205
PERIODIC OPERATION IN THE BAND 40.66 -40.70 MHz AND ABOVE 70 MHz.	SECTION 15.231
RECEIVER MODE	SECTION 15.109

9. SYSTEM TEST CONFIGURATION

Use a block of foam and combined it with EUT wrapping rubber band around it. This way it can test X.Y, and Z axis. To activate continuous transmission, place a small plastic block between rubber band and EUT push button.

Radiated Open Site Test Set-up (Transmitter Mode)





Radiated Open Site Test Set-Up (Receiver Mode)



10. TEST PROCEDURE

Radiated Emissions, 15.231(4)(b)

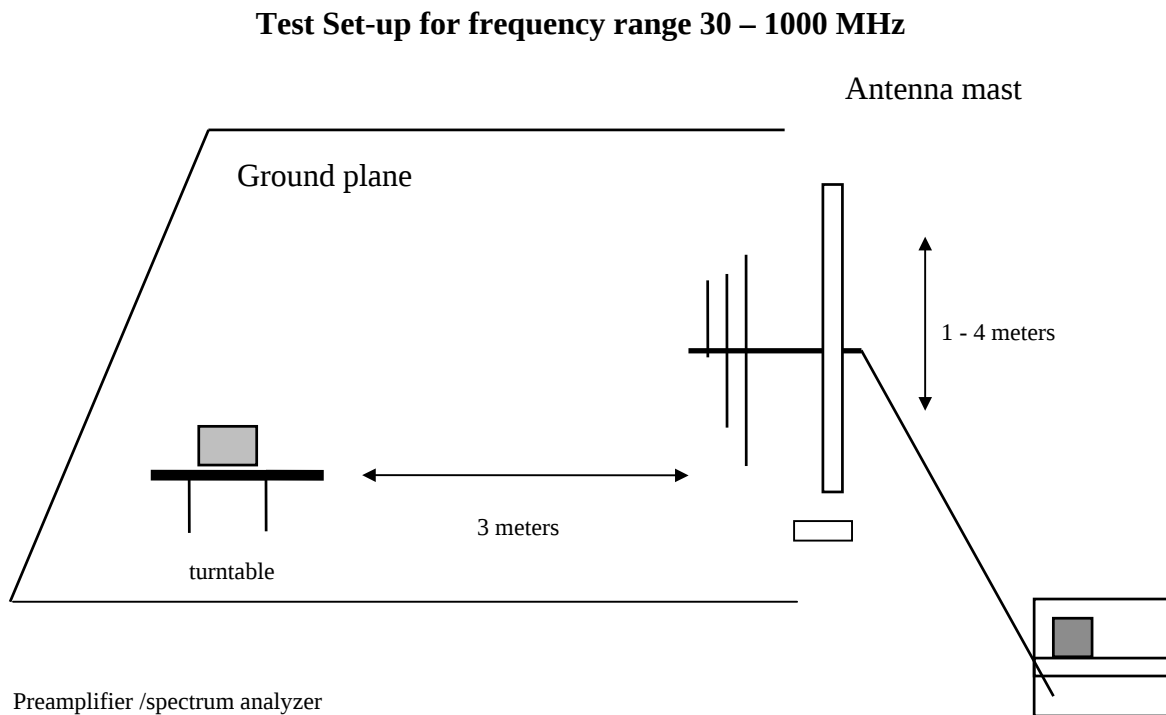


Fig. 1

1. The EUT was placed on a wooden table on the outdoor ground plane. The search antenna was placed 3-meters from the EUT.
2. The turntable was slowly rotated to locate the direction of maximum emission at each emission falling in the restricted bands of 15.205. The EUT was moved throughout the XY, XZ, and YZ planes to maximize emissions received by the search antenna.
3. Once maximum direction was determined, the search antenna was raised and lowered in both vertical and horizontal polarizations. The maximum readings so obtained are recorded in the data listed below.

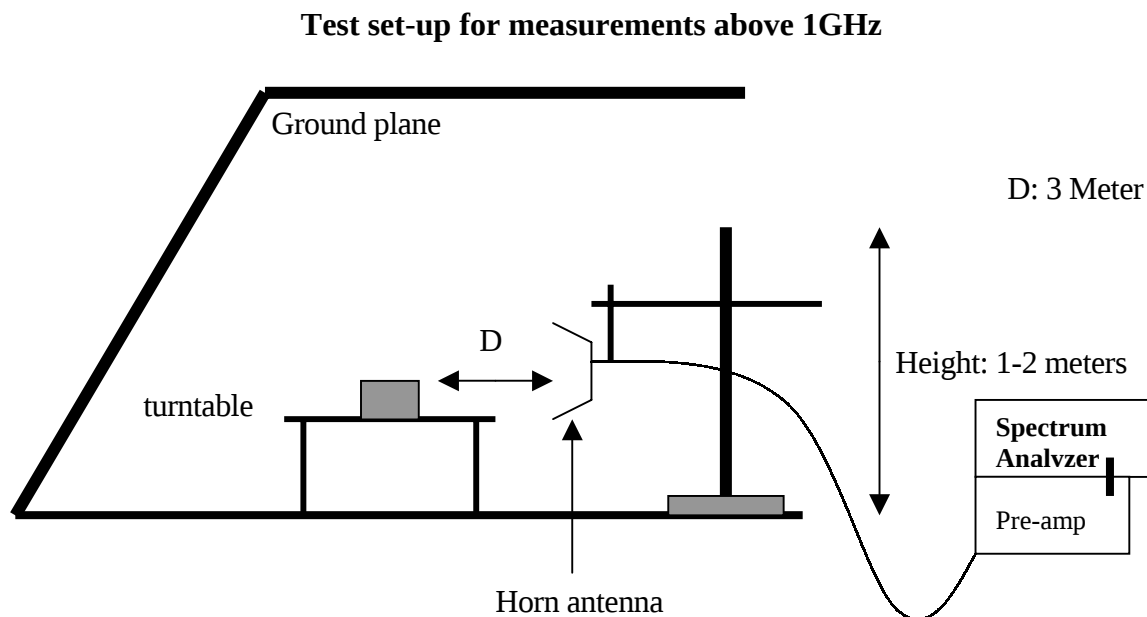


Fig. 2

1. The EUT was placed on a wooden table on the outdoor ground plane. The search antenna was placed 1-meters from the EUT. The EUT antenna was mounted vertically as per normal installation.
2. The turntable was slowly rotated to locate the direction of maximum emission at each emission falling in the restricted bands of 15.205. The EUT was moved throughout the XY, XZ, and YZ planes to maximize emissions received by the search antenna.
3. Once maximum direction was determined, the search antenna was raised and lowered in both vertical and horizontal polarizations. The maximum readings so obtained are recorded in the data listed below.

11. Equipment Modifications

To achieve compliance to FCC Section 15.231 technical limits, the following change(s) were made during compliance testing:

NONE

12. TEST RESULT

Powerline RFI Class B	Eut	Radiated Emission Limits	Eut
SECTION 15.207		SECTION 15.209	X
SECTION 15.205, 15.209, 15.221, 15.223, x 15.225 OR 15.227		SECTION 15.205	
BATTERY POWER	X	SECTION 15.231 (b)	X
		SECTION 15.231 (e)	
		SECTION 15.109	X

12.1 Maximum Modulation Percentage (M%)

CALCULATION:

Average Reading = Peak Reading (dBuV/m)+ 20log (Duty Cycle)

In order to determine possible Maximum Modulation percentage, alternations are made to the EUT.
We measured:

WHERE 1 Period = 57.68 mS
Long pulse = 0.87 mS
Short pulse = 0.27 mS
No of Long pulse = 23
No of Short pulse = 24

Duty Cycle = (N1L1+N2L2+...+Nn-1Ln-1+NnLn)/100 or T
Duty Cycle = [(23x0.87)+(24x0.27)]/57.68 = 0.4593=45.93 % or -6.7589dB

12.2 The Emissions Bandwidth

The bandwidth of the emissions were investigated per 15.231(c)

Center Frequency	Measured	Limits
433.92 MHz	560.0 kHz < (refer to plot)	433.92MHzX0.25%=1084.8 kHz

Fri 2003 Jun 13 10:11

REF 90.0 dB μ V

MK Δ 57.68 ms

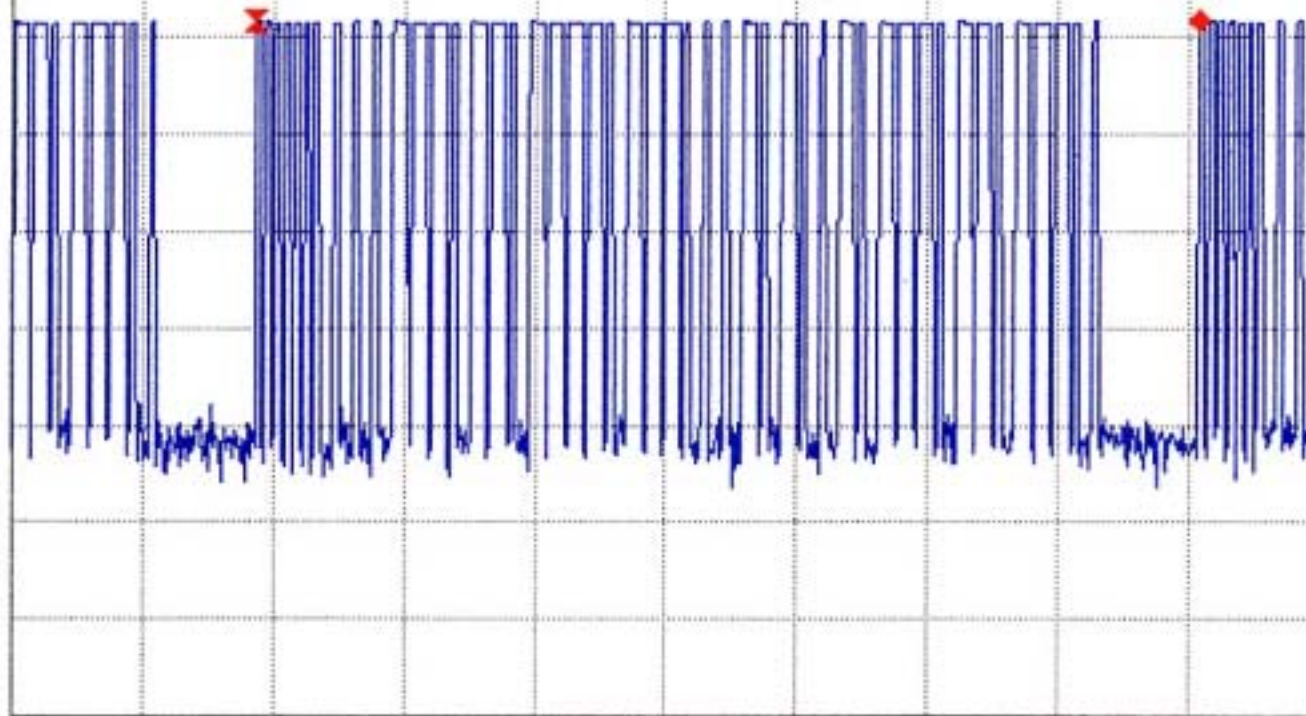
10dB/

A_Write Posi

B_Blank Posi

0.02 dB

DELTA MKR
57.68 ms



CENTER 433.92000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 80 ms

*ATT 5 dB

Fri 2003 Jun 13 10:29

REF 90.0 dB μ V

MK Δ 870.0 μ s

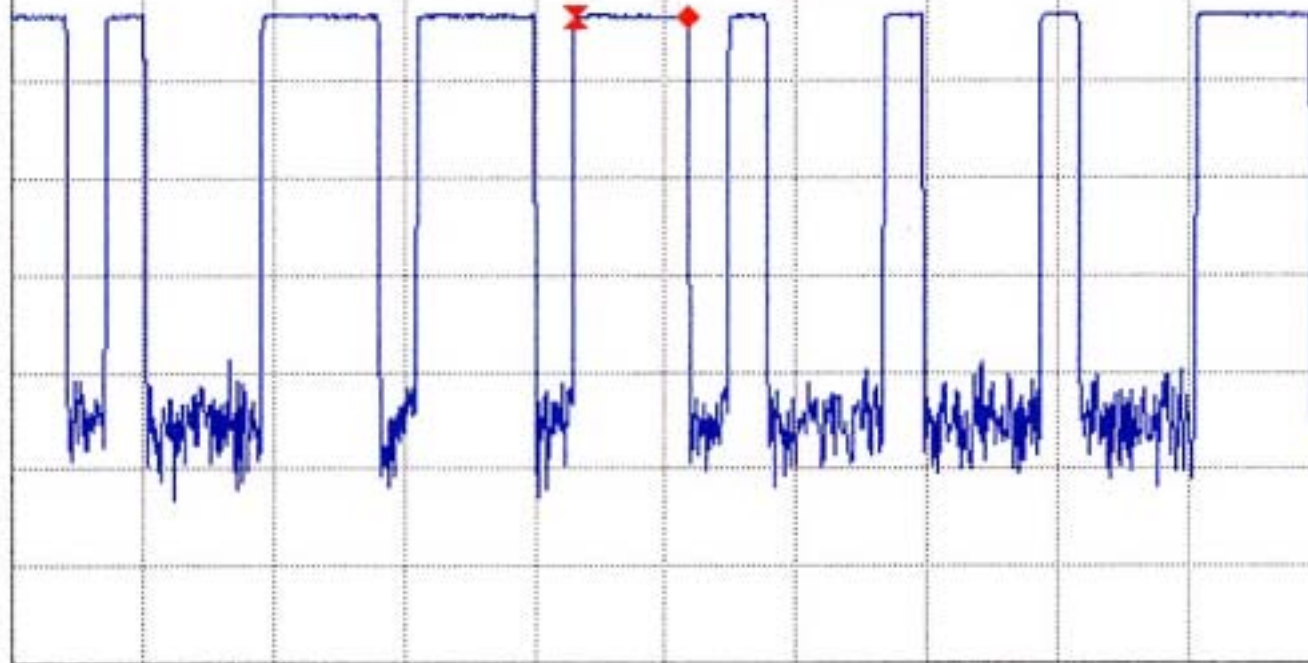
10dB/

A_Write Posi

B_Blank Posi

-0.01 dB

DELTA MKR
870.0 μ s



CENTER 433.92000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 10 ms

*ATT 5 dB

VERTICAL

REF 90.0 dB μ V

10dB/

A_Write Posi

B_Blank Posi

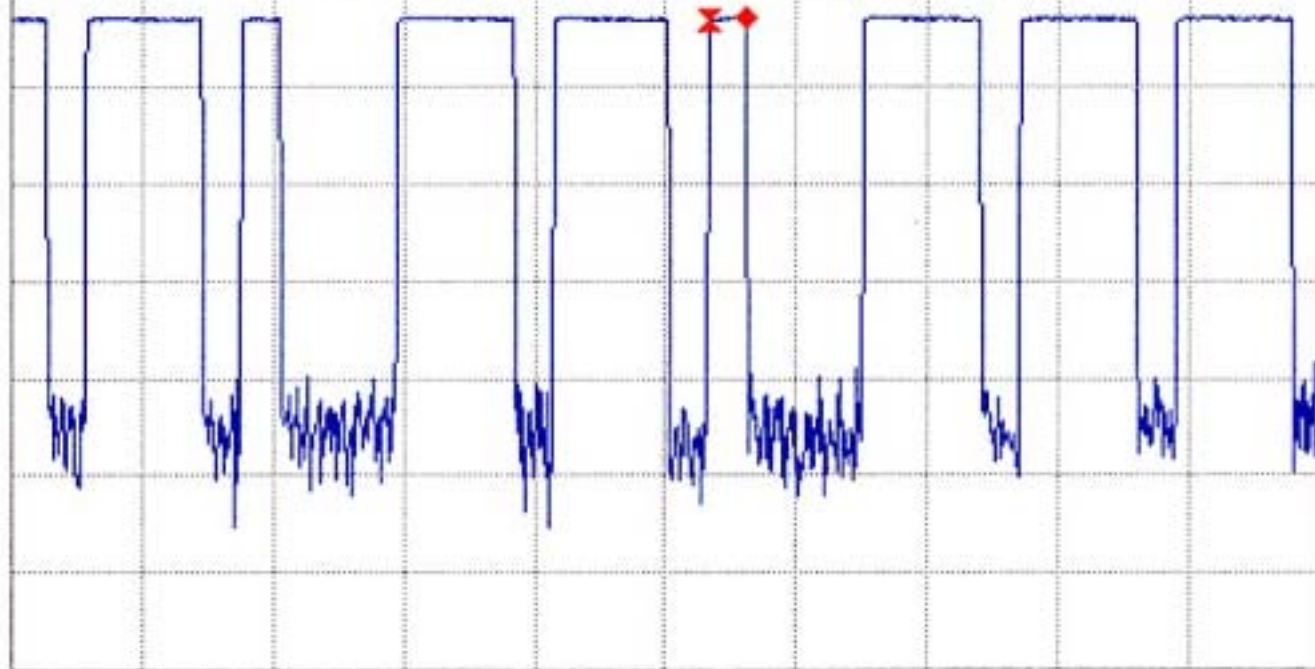
Posi

Fri 2003 Jun 13 11:19

MK Δ 270.0 μ s

0.16 dB

DELTA MKR
270.0 μ s



CENTER 433.920000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

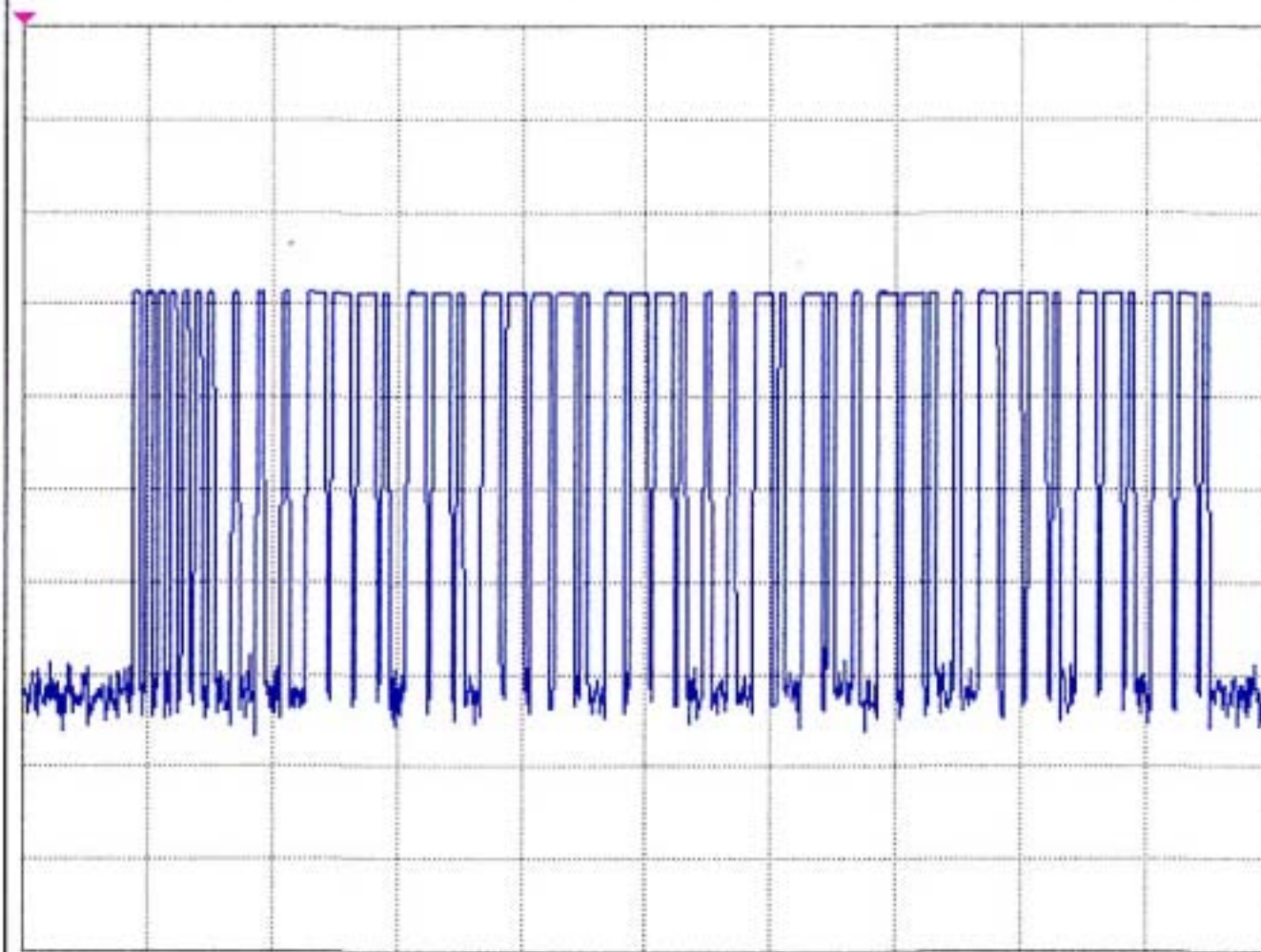
*SWP 10 ms

*ATT 5 dB

Fri 2003 Jun 13 10:15

REF 90.0 dB μ V

10dB/ A_Write Posi B_Blank Posi



CENTER 433.920000 MHz

SPAN 0.000 kHz

*RBW 100 kHz *VBW 300 kHz *SWP 60 ms *ATT 5 dB

Fri 2003 Jun 13 10:09

REF 90.0 dB μ V

DL 42.0 dB μ V

MK Δ 560 kHz

10dB/

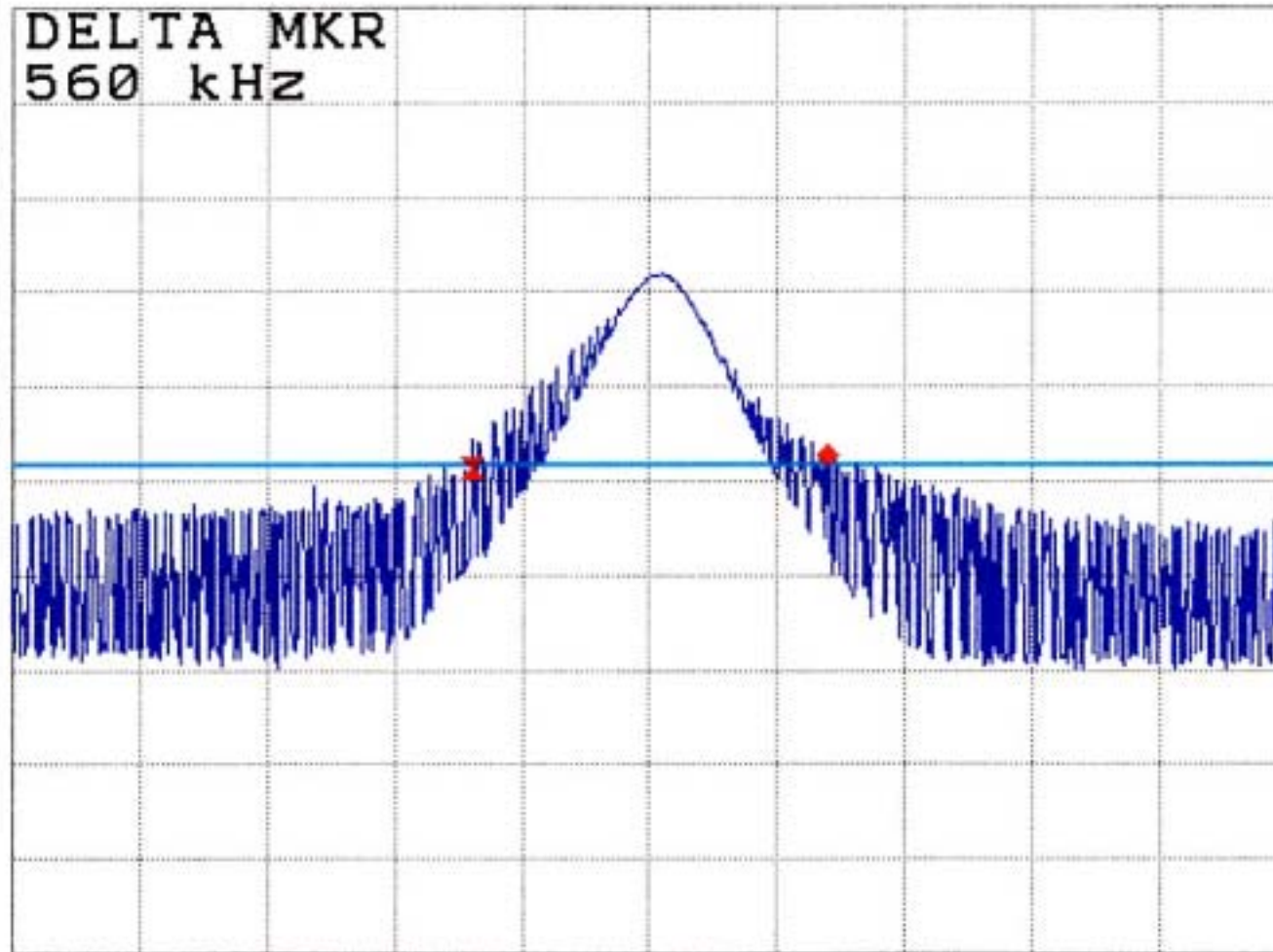
A_View

Posi B_Blank

Posi

1.53 dB

DELTA MKR
560 kHz



CENTER 433.920 MHz

SPAN 2.000 MHz

*RBW 100 kHz

*VBW 300 kHz

SWP 20 ms

*ATT 5 dB

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UL, CSA, TUV, BSMI, DHHS, NVLAP

No. 163-1, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
PHONE: 02-2217-0894 FAX: 02-2217-1029

Project #: C30909404
Report #: C30602013-RP
Date& Time: 2003/06/13
Test Engr: JIMMY CHEN

Company: CODE SYSTEMS, INC.
EUT Description: LED TX (433.92 MHz / Car Alarm Transceiver)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Transmitter Mode

K-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 45.93 \%$$

$$Av \text{ Reading} = Pk \text{ Reading} + 20 * \log(M\%)$$

$$20 * \log(M\%) = -6.7589$$

	Freq.	Pk Rdg	Av Rdg	AF/AT	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height
	(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC_B	(dB)	(H/V)	(Deg)	(Meter)
X	Button #1:											
	433.97	59.34	52.58	27.12	3.28	29.68	53.30	80.83	-27.53	3mV	270	1.20
Y	867.86	43.05	36.29	32.74	5.02	28.79	45.26	60.83	-15.57	3mV	90	1.00
	433.92	63.16	56.40	27.12	3.28	29.68	57.12	80.83	-23.71	3mV	90	1.30
Z	867.87	47.78	41.02	32.74	5.02	28.79	49.99	60.83	-10.84	3mV	180	1.50
	433.94	66.68	59.92	27.12	3.28	29.68	60.64	80.83	-20.19	3mV	0	1.00
	867.87	48.66	41.90	32.74	5.02	28.79	50.87	60.83	-9.96	3mV	180	1.10
X	433.93	50.88	44.12	27.12	3.28	29.68	44.84	80.83	-35.99	3mH	90	1.00
	867.87	35.42	28.66	32.74	5.02	28.79	37.63	60.83	-23.20	3mH	90	1.20
Y	433.93	51.05	44.29	27.12	3.28	29.68	45.01	80.83	-35.82	3mH	270	1.00
	867.87	40.02	33.26	32.74	5.02	28.79	42.23	60.83	-18.60	3mH	180	1.30
Z	433.93	45.77	39.01	27.12	3.28	29.68	39.73	80.83	-41.10	3mH	0	1.40
	867.86	34.02	27.26	32.74	5.02	28.79	36.23	60.83	-24.60	3mH	270	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 6.7589dB

Total Data #12

C&C Laboratory CO., LTD.

FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

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Type of Test: FCC 15.231(b)
Mode of Operation: Transmitter Mode

K-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 45.93 \%$$

$$Av \text{ Reading} = Pk \text{ Reading} + 20 * \log(M\%)$$

$$20 * \log(M\%) = -6.7589$$

	Freq.	Pk Rdg	Av Rdg	AF/AT	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height
	(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC B	(dB)	(H/V)	(Deg)	(Meter)
X	Button #2:											
	433.94	51.06	44.30	27.12	3.28	29.68	45.02	80.83	-35.80	3mV	180	1.10
Y	867.87	37.34	30.58	32.74	5.02	28.79	39.55	60.83	-21.28	3mV	270	1.00
	433.93	53.84	47.08	27.12	3.28	29.68	47.80	80.83	-33.03	3mV	90	1.20
Z	867.87	42.50	35.74	32.74	5.02	28.79	44.71	60.83	-16.12	3mV	0	1.20
	433.93	57.52	50.76	27.12	3.28	29.68	51.48	80.83	-29.35	3mV	90	1.00
	867.86	42.35	35.59	32.74	5.02	28.79	44.56	60.83	-16.27	3mV	180	1.50
X	433.93	49.72	42.96	27.12	3.28	29.68	43.68	80.83	-37.15	3mH	180	1.50
	867.86	34.34	27.58	32.74	5.02	28.79	36.55	60.83	-24.28	3mH	90	1.20
Y	433.93	50.88	44.12	27.12	3.28	29.68	44.84	80.83	-35.99	3mH	0	1.50
	867.86	37.42	30.66	32.74	5.02	28.79	39.63	60.83	-21.20	3mH	270	1.30
Z	433.94	45.48	38.72	27.12	3.28	29.68	39.44	80.83	-41.39	3mH	180	1.20
	867.87	33.28	26.52	32.74	5.02	28.79	35.49	60.83	-25.34	3mH	270	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 6.7589dB

Total Data #12

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FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

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Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Transmitter Mode

K-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 45.93 \%$$

$$Av \text{ Reading} = Pk \text{ Reading} + 20 * \log(M\%)$$

$$20 * \log(M\%) = -6.7589$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF/AT (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
X	Button #3:											
	433.93	48.27	41.51	27.12	3.28	29.68	42.23	80.83	-38.59	3mV	180	1.20
Y	867.87	36.84	30.08	32.74	5.02	28.79	39.05	60.83	-21.78	3mV	90	1.00
	433.94	51.30	44.54	27.12	3.28	29.68	45.26	80.83	-35.57	3mV	270	1.20
Z	867.87	41.65	34.89	32.74	5.02	28.79	43.86	60.83	-16.97	3mV	180	1.50
	433.93	56.18	49.42	27.12	3.28	29.68	50.14	80.83	-30.69	3mV	90	1.20
	867.87	40.75	33.99	32.74	5.02	28.79	42.96	60.83	-17.87	3mV	0	1.50
X	433.93	50.23	43.47	27.12	3.28	29.68	44.19	80.83	-36.64	3mH	180	1.10
	867.85	34.29	27.53	32.74	5.02	28.79	36.50	60.83	-24.33	3mH	180	1.20
Y	433.95	50.05	43.29	27.12	3.28	29.68	44.01	80.83	-36.82	3mH	90	1.00
	867.87	37.12	30.36	32.74	5.02	28.79	39.33	60.83	-21.50	3mH	270	1.30
Z	433.95	43.41	36.65	27.12	3.28	29.68	37.37	80.83	-43.46	3mH	90	1.40
	867.87	33.18	26.42	32.74	5.02	28.79	35.39	60.83	-25.44	3mH	270	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 6.7589dB

Total Data #12

C&C Laboratory CO., LTD.

FCC, VCCI, CISPR, CE, AUSTEL, NZ
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Mode of Operation: Transmitter Mode

K-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 45.93 \%$$

$$Av \text{ Reading} = Pk \text{ Reading} + 20 * \log(M\%)$$

$$20 * \log(M\%) = -6.7589$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF/AT (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
X	Button #4:											
	433.94	46.84	40.08	27.12	3.28	29.68	40.80	80.83	-40.02	3mV	270	1.30
Y	867.88	37.34	30.58	32.74	5.02	28.79	39.55	60.83	-21.28	3mV	90	1.00
	433.95	53.18	46.42	27.12	3.28	29.68	47.14	80.83	-33.69	3mV	180	1.20
Z	867.86	42.52	35.76	32.74	5.02	28.79	44.73	60.83	-16.10	3mV	90	1.40
	433.93	54.92	48.16	27.12	3.28	29.68	48.88	80.83	-31.95	3mV	0	1.20
	867.87	41.35	34.59	32.74	5.02	28.79	43.56	60.83	-17.27	3mV	0	1.50
X	433.94	47.13	40.37	27.12	3.28	29.68	41.09	80.83	-39.74	3mH	90	1.10
	867.86	33.89	27.13	32.74	5.02	28.79	36.10	60.83	-24.73	3mH	180	1.50
Y	433.94	50.73	43.97	27.12	3.28	29.68	44.69	80.83	-36.14	3mH	270	1.00
	867.86	40.23	33.47	32.74	5.02	28.79	42.44	60.83	-18.39	3mH	180	1.20
Z	433.93	45.18	38.42	27.12	3.28	29.68	39.14	80.83	-41.69	3mH	90	1.40
	867.87	35.03	28.27	32.74	5.02	28.79	37.24	60.83	-23.59	3mH	270	1.50

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 6.7589dB

Total Data #12

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UL, CSA, TUV, BSMI, DHHS, NVLAP

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Date& Time: 2003/06/13
Test Engr: JIMMY CHEN

Company:
EUT Description:
Test Configuration :
Type of Test:
Mode of Operation:

CODE SYSTEMS, INC.
LED TX (433.92 MHz / Car Alarm Transceiver)
EUT ONLY
FCC 15.231(b)/FCC 15.209
Transmitter Mode

☒ K-Site

Freq.	Pk Rdg	Av Rdg	AF	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC_B	(dB)	(H/V)	(Deg)	(Meter)	(P/Q/A)
1302	48.62	41.86	25.18	4.75	32.04	39.75	54.00	-14.25	3mV	90	1.2	A
1736	45.86	39.10	26.43	5.58	32.76	38.35	60.83	-22.48	3mV	180	1.0	A
2170	46.08	39.32	27.76	6.25	33.15	40.18	60.83	-20.65	3mV	270	1.0	A
2604	45.74	38.98	28.91	6.77	33.18	41.48	60.83	-19.35	3mV	90	1.1	A
3037	44.40	37.64	30.09	7.45	33.02	42.16	60.83	-18.67	3mV	90	1.0	A
3471	45.42	38.66	31.14	8.18	32.69	45.29	60.83	-15.54	3mV	180	1.0	A
3905	44.10	37.34	32.37	8.62	32.91	45.42	54.00	-8.58	3mV	180	1.3	A
4339	44.38	37.62	32.25	9.10	32.97	46.00	54.00	-8.00	3mV	180	1.7	A
1302	47.49	40.73	25.18	4.75	32.04	38.62	54.00	-15.38	3mH	90	1.1	A
1736	44.11	37.35	26.43	5.58	32.76	36.60	60.83	-24.23	3mH	0	1.0	A
2170	43.77	37.01	27.76	6.25	33.15	37.87	60.83	-22.96	3mH	270	1.0	A
2604	45.78	39.02	28.91	6.77	33.18	41.52	60.83	-19.31	3mH	180	1.3	A
3038	45.78	39.02	30.09	7.45	33.02	43.54	60.83	-17.29	3mH	180	1.0	A
3472	45.26	38.50	31.14	8.18	32.96	44.86	60.83	-15.97	3mH	90	1.5	A
3905	43.07	36.31	32.37	8.62	32.91	44.39	54.00	-9.61	3mH	180	1.2	A
4339	43.00	36.24	32.25	9.10	32.97	44.62	54.00	-9.38	3mH	180	1.0	A

* No other emission were found within 20dB under the limits upto 4.5 GHz.

Total data #16
V.2d

P(Peak): RBW=VBW=1MHz
A(Average): Pk Reading -6.7589dB

VERTICAL

REF 80.0 dB μ V

10dB/

A_Max

Posi

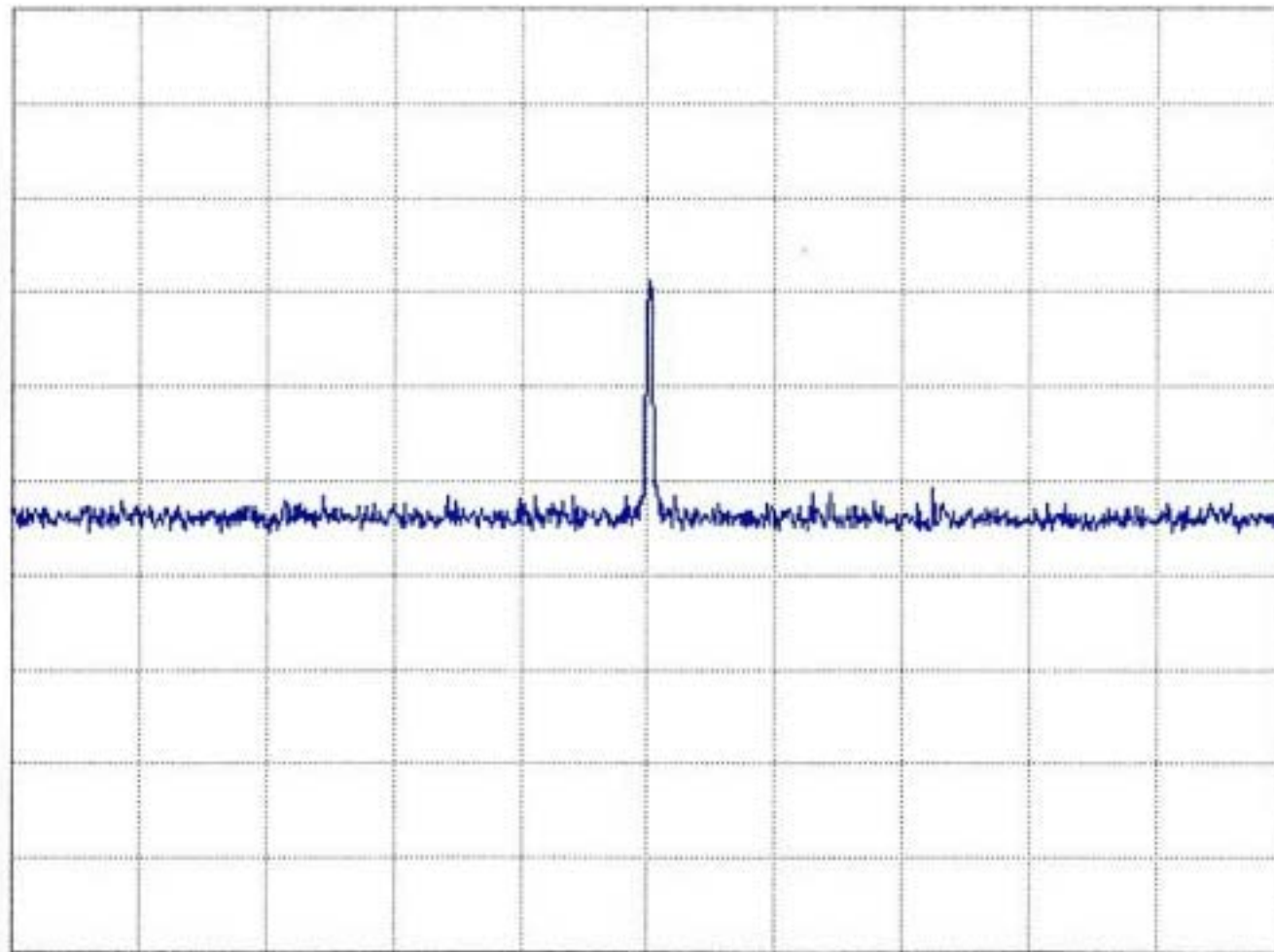
B_Blank

Posi

Fri 2003 Jun 13 11:09

MKR 433.95 MHz

51.36 dB μ V



CENTER 433.92 MHz

SPAN 50.00 MHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 10 ms

*ATT 10dB

HORIZONTAL

Fri 2003 Jun 13 11:04

REF 80.0 dB μ V

MKR 433.96 MHz

10dB/

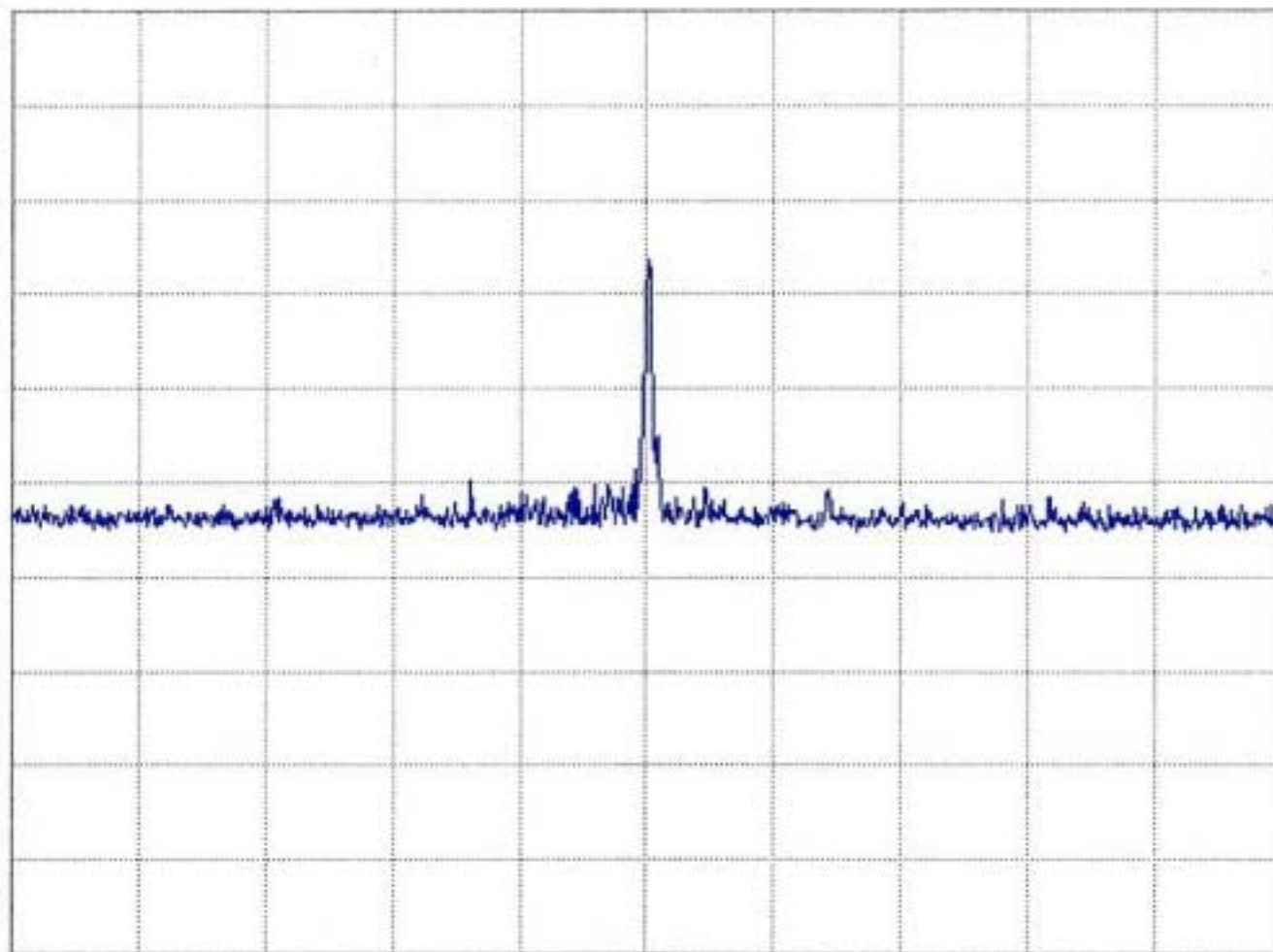
A_View

Posi

B_Blank

Posi

53.25 dB μ V



CENTER 433.92 MHz

SPAN 50.00 MHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 10 ms

*ATT 10dB

Measurement Result

Operation Mode:	Receiver Mode	Test Configuration:	EUT/TX
Fundamental Frequency:	433.92 MHz	Test Date:	June 13, 2003
Temperature:	27	Test By:	Jimmy Chen
Humidity:	65 %	Pol:	Vertical



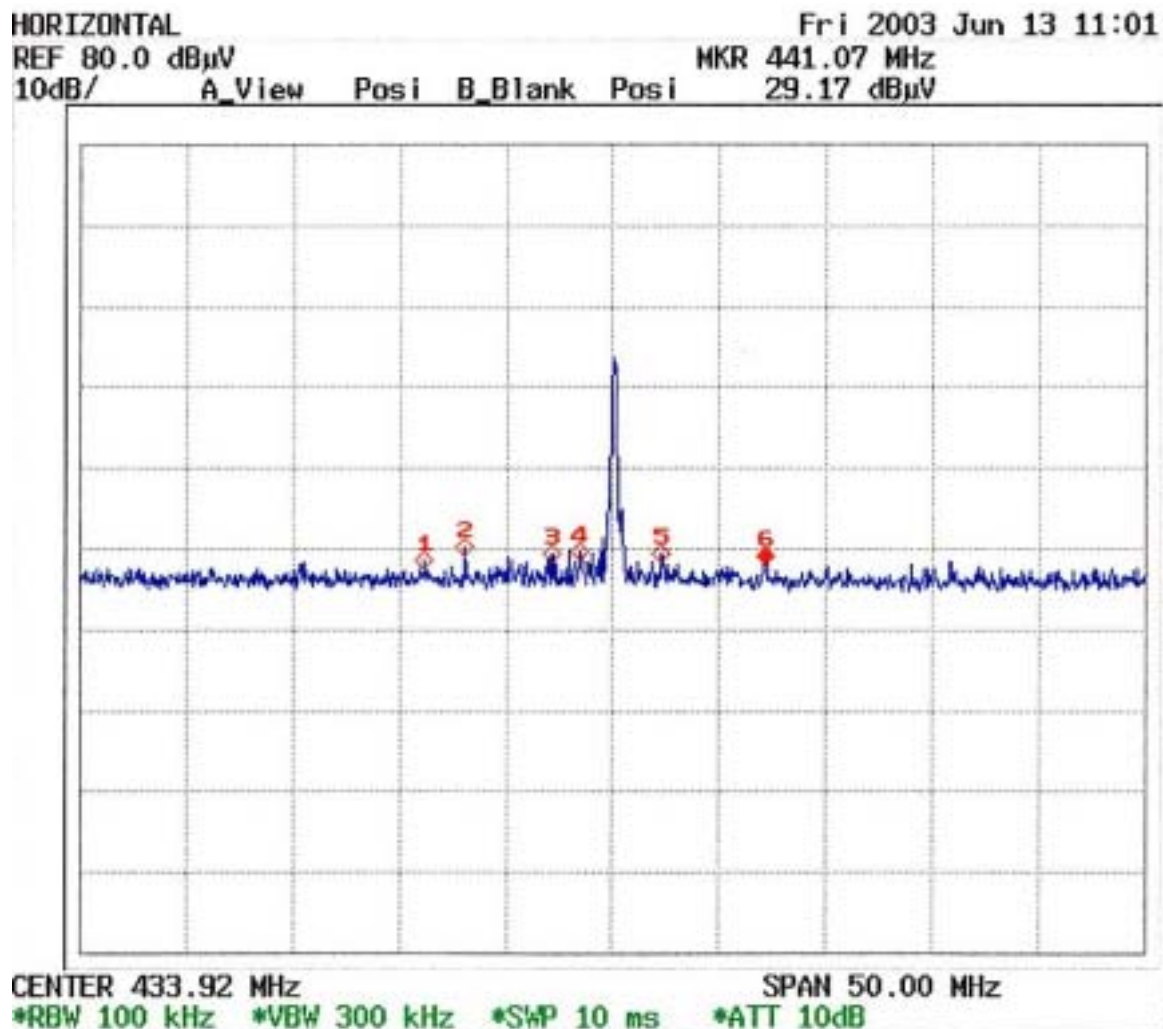
Freq. (MHz)	Ant.Pol. H/V	DetectorMode (PK/AV)	Reading (dBuV)	Ant./CL/ Amp. CF(dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
422.970	V	Peak	28.27	0.45	28.72	46.00	-17.28
427.270	V	Peak	28.85	0.55	29.40	46.00	-16.60
431.270	V	Peak	28.42	0.65	29.07	46.00	-16.93
436.270	V	Peak	28.47	0.77	29.24	46.00	-16.76
441.070	V	Peak	29.91	0.89	30.80	46.00	-15.20
445.120	V	Peak	29.16	0.98	30.14	46.00	-15.86

Note: No other emissions were found within 20dB below the limits from 30-2000MHz.

Measurement Result

Operation Mode: Receiver Mode
 Fundamental Frequency: 433.92 MHz
 Temperature: 27
 Humidity: 65 %

Test Configuration: EUT/TX
 Test Date: June 13, 2003
 Test By: Jimmy Chen
 Pol: Horizontal



Freq. (MHz)	Ant.Pol. H/V	DetectorMode (PK/AV)	Reading (dBuV)	Ant./CL/ Amp. CF(dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
425.070	H	Peak	28.55	0.50	29.05	46.00	-16.95
426.970	H	Peak	30.16	0.55	30.71	46.00	-15.29
431.020	H	Peak	29.43	0.64	30.07	46.00	-15.93
432.370	H	Peak	29.80	0.68	30.48	46.00	-15.52
436.220	H	Peak	29.36	0.77	30.13	46.00	-15.87
441.070	H	Peak	29.17	0.89	30.06	46.00	-15.94

Note: No other emissions were found within 20dB below the limits from 30-2000MHz.