

FCC ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT CERTIFICATION TO FCC PART 15 REQUIREMENTS

for

INTENTIONAL RADIATOR

of

Car Alarm Transceiver

FCC ID Number : H5OTR07AM

Trade Name : Advance Security Inc.

Model Number : TRX751DV

Agency Series : N/A

Report Number : C30530009-RP

Date : June 18, 2003

Prepared for :

Advance Security Inc.

3F, 48 Ta An Street, Hsi Chih,

Taipei Hsien, Taiwan, R.O.C.

Prepared by :

C&C LABORATORY CO., LTD.



**No. 163-1, Chung Sheng Road, Hsin Tien City,
Taipei, Taiwan, R. O. C.**

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1. VERIFICATION OF COMPLIANCE

COMPANY NAME : Advance Security Inc.
3F, 48 Ta An Street, Hsi Chih,
Taipei Hsien, Taiwan, R.O.C.

CONTACT PERSON : Michael Chen / President

TELEPHONE NO. : (886-2) 8648-1688

EUT DESCRIPTION : Car Alarm Transceiver

MODEL NAME/NUMBER : TRX751DV

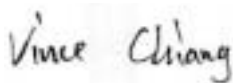
FCC ID : H5OTR07AM

DATE TESTED : June 02, 2003 & June 03, 2003

REPORT NUMBER : C30530009-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 / Supervisor
C&C Laboratory Co., Ltd.

2. PRODUCT DESCRIPTION

Fundamental Frequency	433.92 MHz
Power Source	1.5V AAA Battery
Transmitting Time	Periodic $\leq$ 5 seconds
Associated Receiver	Model: H5OTR06AM (FCC ID)

3. TEST FACILITY

The open area test sites and conducted measurement facilities used to collect the radiated data are located at No. 163-1, 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

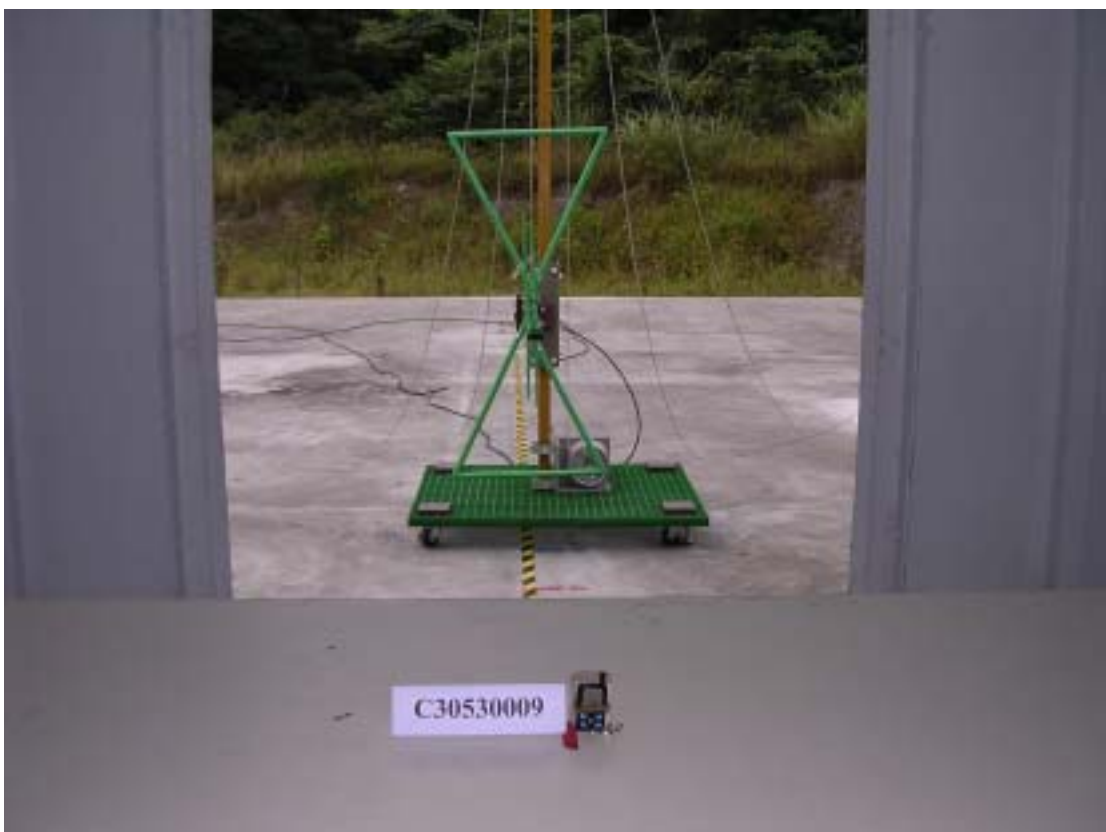
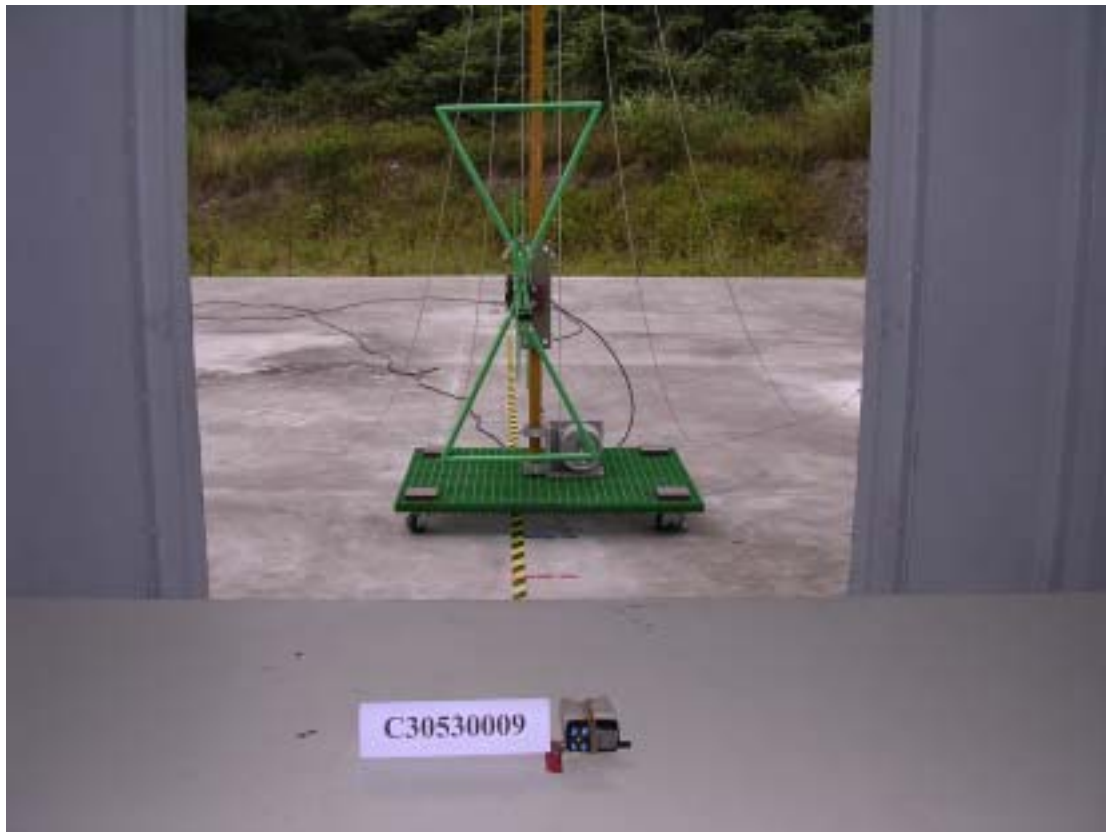
GENERAL REQUIREMENTS	SECTION 15.209
RESTRICTED BANDS OF OPERATION	SECTION 15.205
PERIODIC OPERATION IN THE BAND 40.66 -40.70 MHz AND ABOVE 70 MHz.	SECTION 15.231
RECEIVER MODE	SECTION 15.109

9. SYSTEM TEST CONFIGURATION

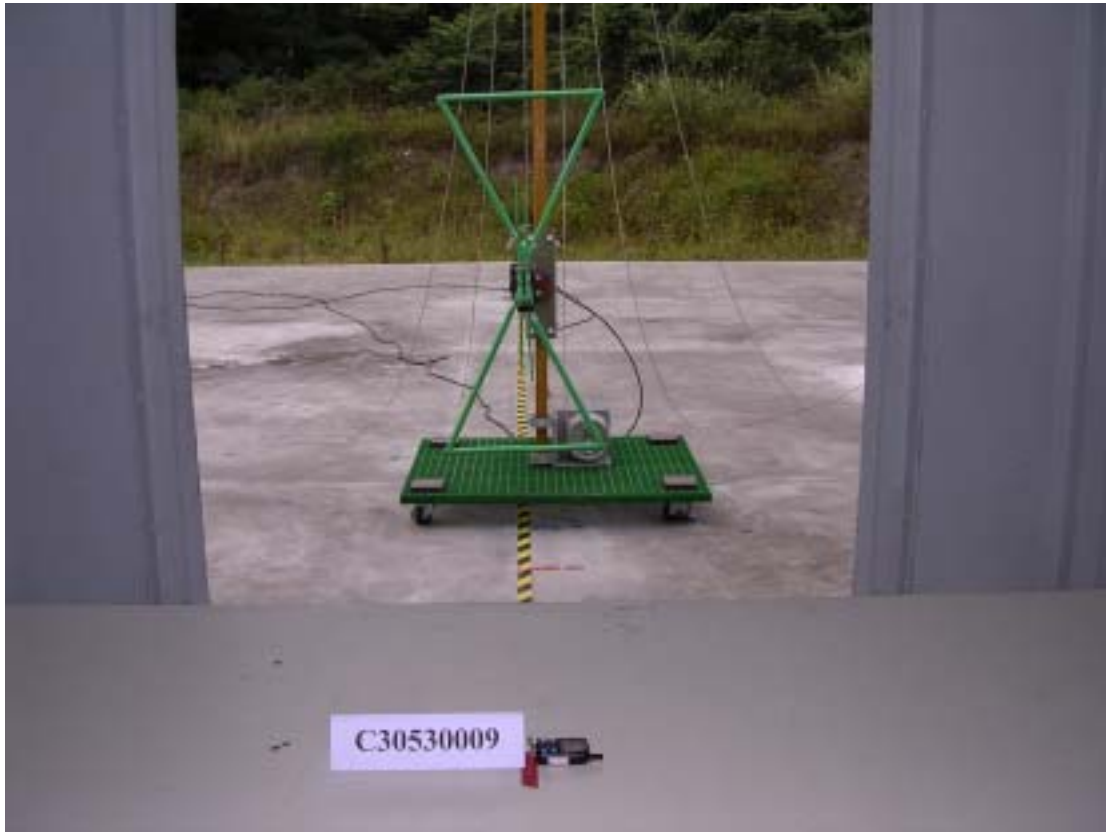
Use a block of foam and combined it with EUT wrapping rubber band around it. This way it can test X.Y, and Z axis. To activate continuous transmission, place a small plastic block between rubber band and EUT push button.

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)

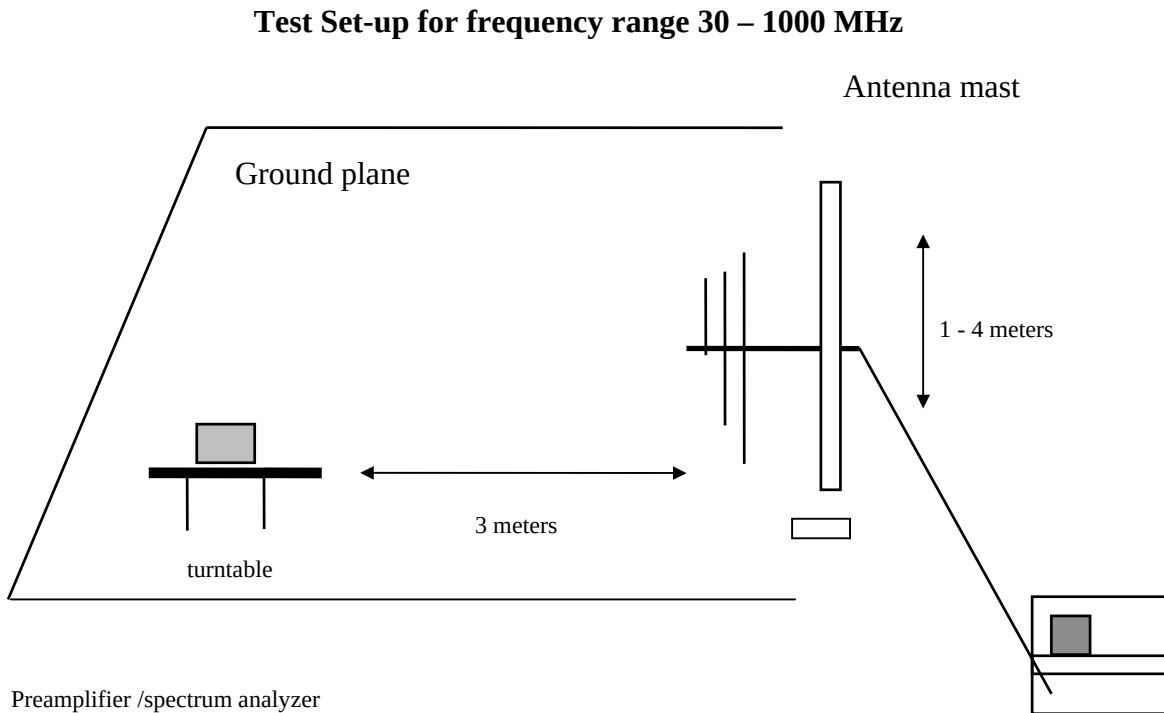


Fig. 1

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.

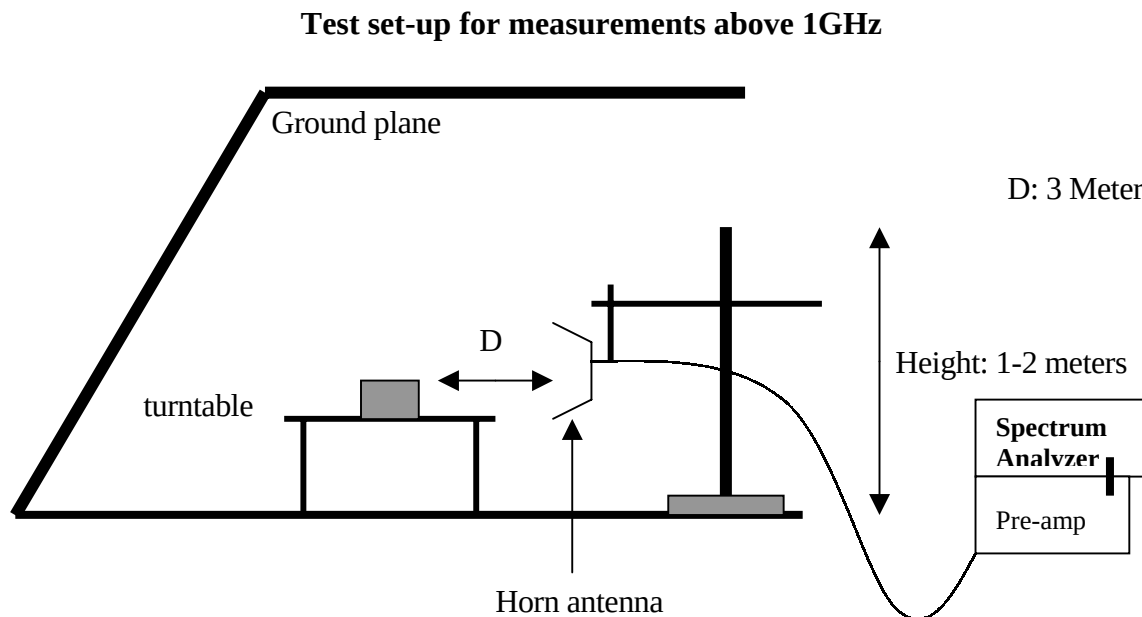


Fig. 2

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 = 64.16 mS
Long pulse = 0.82 mS
Short pulse = 0.24 mS
No of Long pulse = 19
No of Short pulse = 28

Duty Cycle = (N1L1+N2L2+...+Nn-1Ln-1+NnLn)/100 or T
Duty Cycle = [(19x0.82)+(28x0.24)]/64.16 = 0.3476=34.76 % or -9.1794dB

12.2 The Emissions Bandwidth

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

Center Frequency	Measured	Limits
433.92 MHz	406.0 kHz < (refer to plot)	433.92MHzX0.25%=1084.8 kHz

Tue 2003 Jun 3 11:44

REF 80.0 dB μ V

MKA 64.16 ms

10dB/

A_Blank

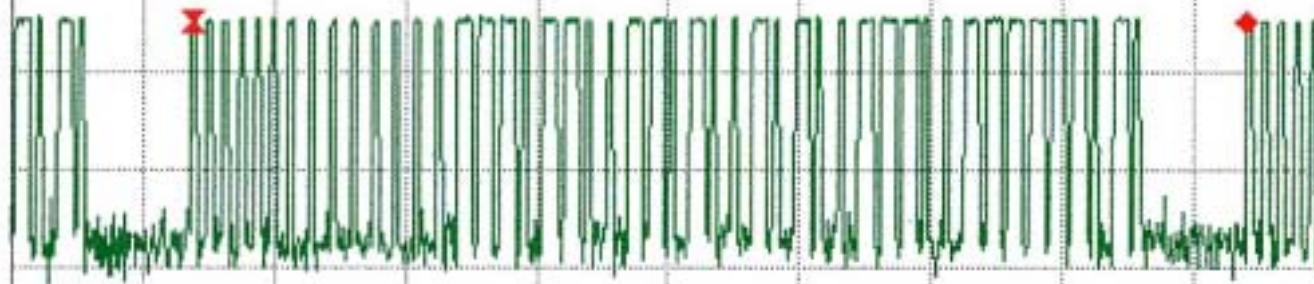
Posi

B_Write

Posi

0.17 dB

DELTA MKR
64.16 ms



CENTER 433.960000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 80 ms

*ATT 10dB

Tue 2003 Jun 3 11:52

REF 80.0 dB μ V

MK Δ 820.0 μ s

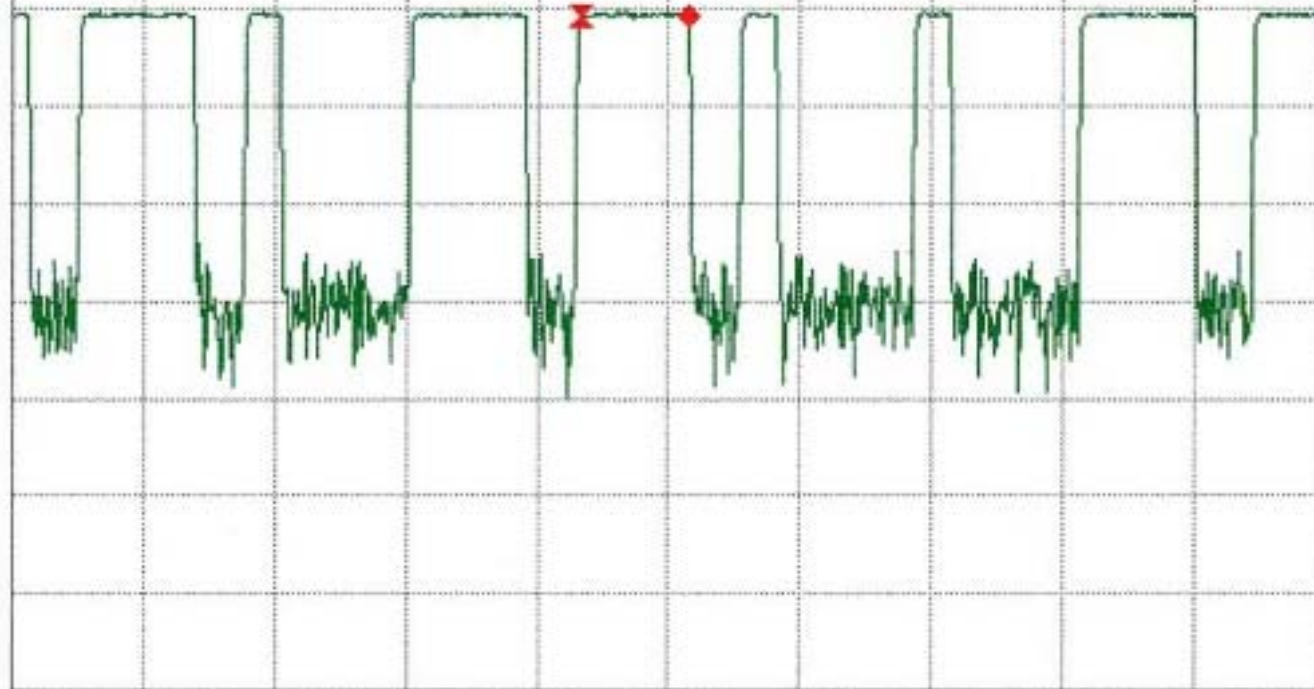
10dB/

A_Blank Posi

B_Write Posi

0.14 dB

DELTA MKR
820.0 μ s



CENTER 433.960000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 10 ms

*ATT 10dB

Tue 2003 Jun 3 11:54

REF 80.0 dB μ V

MK Δ 240.0 μ s

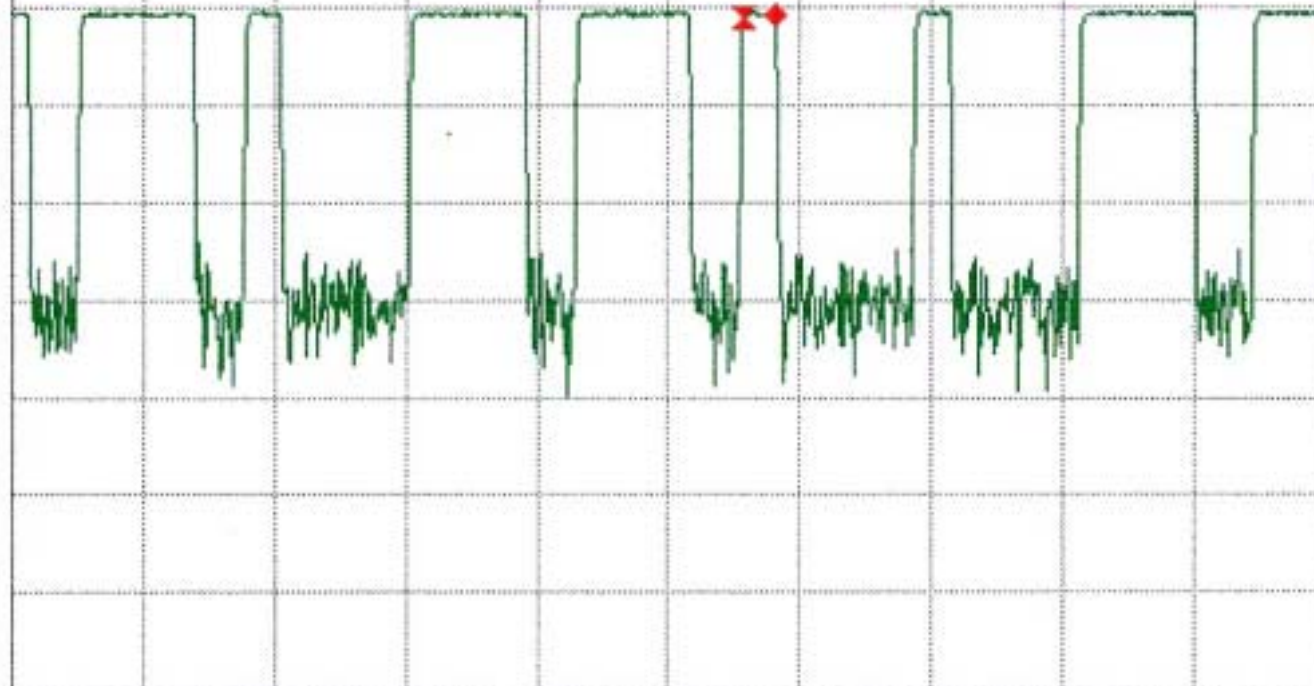
10dB/

A_Blank Posi

B_Write Posi

0.29 dB

DELTA MKR
240.0 μ s



CENTER 433.960000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

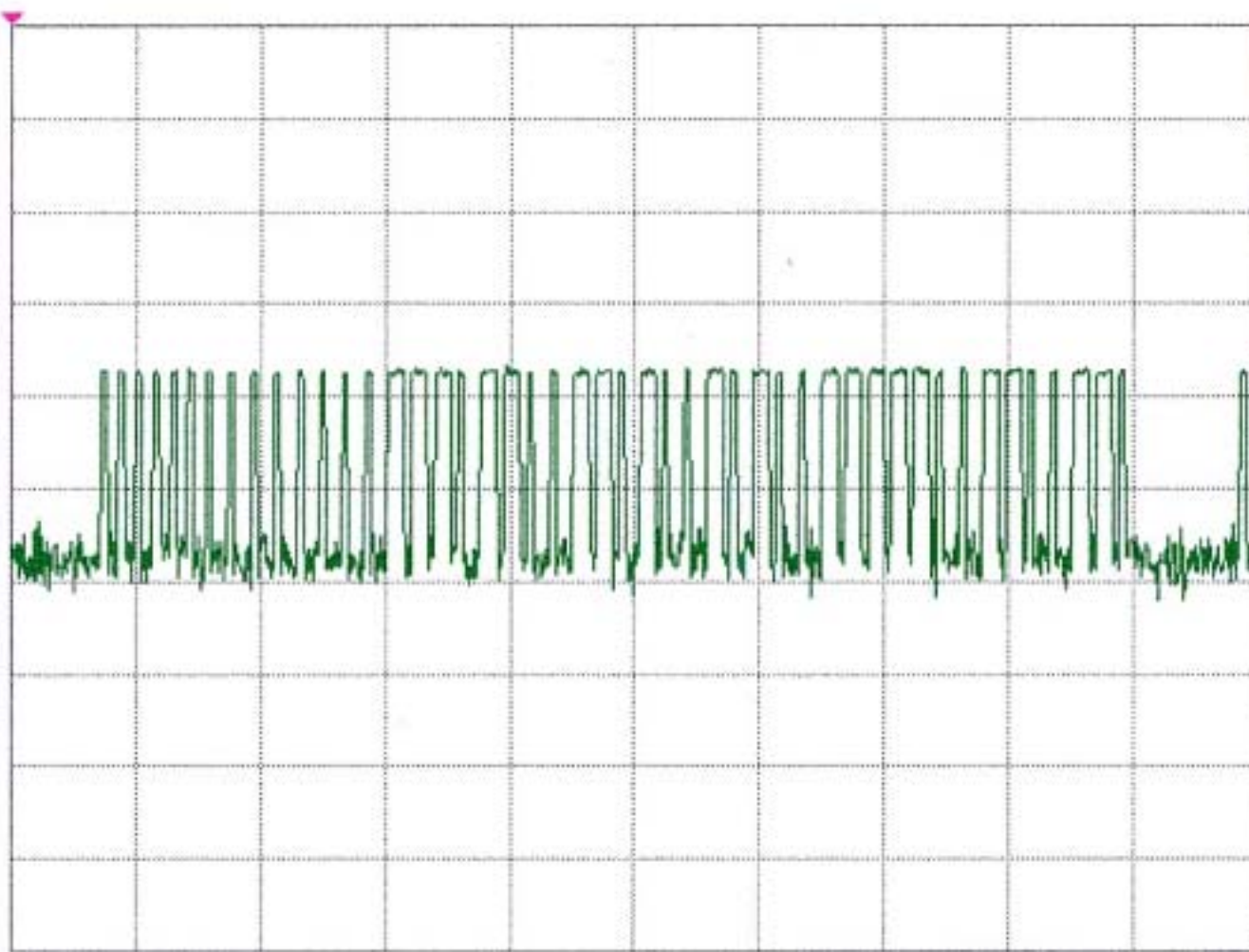
*SWP 10 ms

*ATT 10dB

Tue 2003 Jun 3 11:49

REF 80.0 dB μ V

10dB/ A_Blank Posi B_Write Posi



CENTER 433.960000 MHz

SPAN 0.000 kHz

*RBW 100 kHz *VBW 300 kHz *SWP 70 ms *ATT 10dB

Tue 2003 Jun 3 11:04

REF 80.0 dB μ V

MK Δ 406 kHz

10dB/

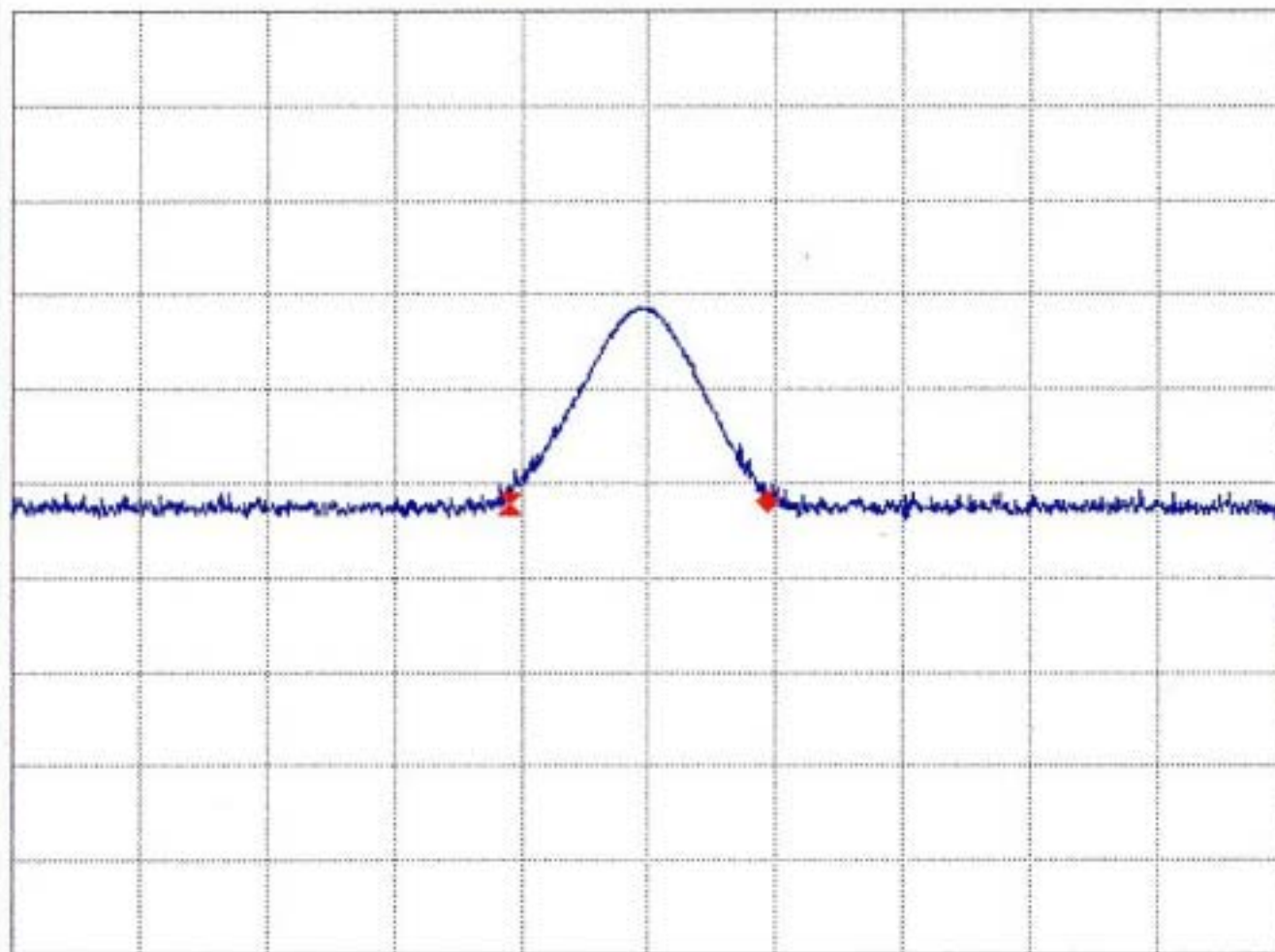
A_Max

Posi

B_Blank

Posi

0.35 dB



CENTER 433.960 MHz

SPAN 2.000 MHz

*RBW 100 kHz

*VBW 300 kHz

SWP 20 ms

*ATT 10dB

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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 #: C30530009
Report #: C30530009-RP
Date& Time: 2003/06/03
Test Engr: JIMMY CHEN

Company: Advance Security Inc.
EUT Description: TRX751DV (433.92 MHz / Car Alarm Transceiver)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Transmitter Mode

K Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 34.76 \%$$

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

$$20 * \log(M\%) = -9.1794$$

	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:											
	433.95	40.22	31.04	27.12	3.28	29.68	31.76	80.83	-49.07	3mV	90	1.00
Y	867.91	32.44	23.26	32.74	5.02	28.79	32.23	60.83	-28.60	3mV	90	1.00
	433.96	45.78	36.60	27.12	3.28	29.68	37.32	80.83	-43.51	3mV	180	1.30
Z	867.91	29.77	20.59	32.74	5.02	28.79	29.56	60.83	-31.27	3mV	180	1.29
	433.96	44.21	35.03	27.12	3.28	29.68	35.75	80.83	-45.08	3mV	360	1.00
	867.90	33.64	24.46	32.74	5.02	28.79	33.43	60.83	-27.40	3mV	270	3.98
X	433.95	49.37	40.19	27.12	3.28	29.68	40.91	80.83	-39.92	3mH	90	1.00
	867.90	31.82	22.64	32.74	5.02	28.79	31.61	60.83	-29.22	3mH	90	1.50
Y	433.95	49.82	40.64	27.12	3.28	29.68	41.36	80.83	-39.47	3mH	180	1.00
	867.91	30.44	21.26	32.74	5.02	28.79	30.23	60.83	-30.60	3mH	180	1.40
Z	433.96	44.21	35.03	27.12	3.28	29.68	35.75	80.83	-45.08	3mH	270	1.10
	867.90	33.64	24.46	32.74	5.02	28.79	33.43	60.83	-27.40	3mH	270	1.30

AF/AT=AF+10dB(ATTENUATOR)

Peak: RBW= 120KHz

VBW= 300KHz

A(Average): Pk Reading - 9.1794dB

Total Data #12

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

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Report #: C30530009-RP
Date& Time: 2003/06/03
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Company: Advance Security Inc.
EUT Description: TRX751DV (433.92 MHz / Car Alarm Transceiver)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Transmitter Mode

K Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 34.76 \%$$

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

$$20 * \log(M\%) = -9.1794$$

	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:											
	433.95	42.73	33.55	27.12	3.28	29.68	34.27	80.83	-46.56	3mV	180	1.00
Y	867.91	32.58	23.40	32.74	5.02	28.79	32.37	60.83	-28.46	3mV	90	1.00
	433.95	47.77	38.59	27.12	3.28	29.68	39.31	80.83	-41.52	3mV	270	1.00
Z	867.86	29.07	19.89	32.74	5.02	28.79	28.86	60.83	-31.97	3mV	180	1.10
	433.95	51.04	41.86	27.12	3.28	29.68	42.58	80.83	-38.25	3mV	270	1.20
	867.94	31.52	22.34	32.74	5.02	28.79	31.31	60.83	-29.52	3mV	270	3.98
X	433.94	47.94	38.76	27.12	3.28	29.68	39.48	80.83	-41.35	3mH	360	1.00
	867.92	31.38	22.20	32.74	5.02	28.79	31.17	60.83	-29.66	3mH	90	1.10
Y	433.95	50.70	41.52	27.12	3.28	29.68	42.24	80.83	-38.59	3mH	180	1.00
	867.90	33.52	24.34	32.74	5.02	28.79	33.31	60.83	-27.52	3mH	180	1.20
Z	433.95	48.85	39.67	27.12	3.28	29.68	40.39	80.83	-40.44	3mH	270	1.10
	867.89	32.63	23.45	32.74	5.02	28.79	32.42	60.83	-28.41	3mH	360	1.50

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 9.1794dB

Total Data #12

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

K Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 34.76 \%$$

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

$$20 * \log(M\%) = -9.1794$$

	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 #3:											
	433.96	43.72	34.54	27.12	3.28	29.68	35.26	80.83	-45.57	3mV	270	1.10
Y	867.91	31.66	22.48	32.74	5.02	28.79	31.45	60.83	-29.38	3mV	90	1.00
	433.95	53.75	44.57	27.12	3.28	29.68	45.29	80.83	-35.54	3mV	90	1.30
Z	867.90	38.81	29.63	32.74	5.02	28.79	38.60	60.83	-22.23	3mV	180	1.40
	433.96	56.05	46.87	27.12	3.28	29.68	47.59	80.83	-33.24	3mV	270	1.00
	867.90	32.59	23.41	32.74	5.02	28.79	32.38	60.83	-28.45	3mV	360	1.20
X	433.94	51.12	41.94	27.12	3.28	29.68	42.66	80.83	-38.17	3mH	360	1.00
	867.90	30.12	20.94	32.74	5.02	28.79	29.91	60.83	-30.92	3mH	90	1.50
Y	433.95	53.28	44.10	27.12	3.28	29.68	44.82	80.83	-36.01	3mH	270	1.00
	867.91	31.11	21.93	32.74	5.02	28.79	30.90	60.83	-29.93	3mH	180	1.40
Z	433.96	46.25	37.07	27.12	3.28	29.68	37.79	80.83	-43.04	3mH	180	1.10
	867.92	38.06	28.88	32.74	5.02	28.79	37.85	60.83	-22.98	3mH	90	1.40

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 9.1794dB

Total Data #12

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FCC, VCCI, CISPR, CE, AUSTEL, NZ
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K Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 34.76 \%$$

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

$$20 * \log(M\%) = -9.1794$$

	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 #4:											
	433.96	41.85	32.67	27.12	3.28	29.68	33.39	80.83	-47.44	3mV	180	1.10
Y	867.90	31.62	22.44	32.74	5.02	28.79	31.41	60.83	-29.42	3mV	90	1.20
	433.96	44.52	35.34	27.12	3.28	29.68	36.06	80.83	-44.77	3mV	270	1.30
Z	867.90	30.69	21.51	32.74	5.02	28.79	30.48	60.83	-30.35	3mV	180	1.50
	433.95	54.39	45.21	27.12	3.28	29.68	45.93	80.83	-34.90	3mV	270	1.00
	867.90	31.82	22.64	32.74	5.02	28.79	31.61	60.83	-29.22	3mV	360	3.98
X	433.95	48.55	39.37	27.12	3.28	29.68	40.09	80.83	-40.74	3mH	180	1.00
	867.89	29.43	20.25	32.74	5.02	28.79	29.22	60.83	-31.61	3mH	90	1.50
Y	433.95	51.70	42.52	27.12	3.28	29.68	43.24	80.83	-37.59	3mH	270	1.20
	867.89	31.09	21.91	32.74	5.02	28.79	30.88	60.83	-29.95	3mH	180	1.40
Z	433.95	42.09	32.91	27.12	3.28	29.68	33.63	80.83	-47.20	3mH	360	1.50
	867.90	31.72	22.54	32.74	5.02	28.79	31.51	60.83	-29.32	3mH	90	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 120KHz
VBW= 300KHz
A(Average): Pk Reading - 9.1794dB

Total Data #12

C&C Laboratory CO., LTD.

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

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Project #: C30530009
Report #: C30530009-RP
Date& Time: 2003/06/03
Test Engr: JIMMY CHEN

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

Advance Security Inc.
TRX751DV (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	44.17	34.99	25.18	4.75	32.03	32.89	54.00	-21.11	3mV	90	1.2	A
1736	37.97	28.79	26.43	5.58	32.76	28.04	60.83	-32.79	3mV	180	1.0	A
2170	38.78	29.60	27.76	6.25	33.15	30.46	60.83	-30.37	3mV	270	1.0	A
2604	38.55	29.37	28.91	6.77	33.18	31.87	60.83	-28.96	3mV	90	1.1	A
3037	38.88	29.70	30.09	7.45	33.02	34.22	60.83	-26.61	3mV	90	1.0	A
3471	37.69	28.51	31.14	8.18	32.96	34.87	60.83	-25.96	3mV	180	1.0	A
3905	35.88	26.70	32.37	8.62	32.91	34.78	54.00	-19.22	3mV	180	1.3	A
4339	36.04	26.86	32.25	9.10	32.97	35.24	54.00	-18.76	3mV	180	1.7	A
1302	42.77	33.59	25.18	4.75	32.03	31.49	54.00	-22.51	3mH	90	1.1	A
1736	42.74	33.56	26.43	5.58	32.76	32.81	60.83	-28.02	3mH	360	1.0	A
2170	38.55	29.37	27.76	6.25	33.15	30.23	60.83	-30.60	3mH	270	1.0	A
2604	39.09	29.91	28.91	6.77	33.18	32.41	60.83	-28.42	3mH	180	1.3	A
3037	39.00	29.82	30.09	7.45	33.02	34.34	60.83	-26.49	3mH	180	1.0	A
3471	37.14	27.96	31.14	8.18	32.96	34.32	60.83	-26.51	3mH	90	1.5	A
3905	35.12	25.94	32.37	8.62	32.91	34.02	54.00	-19.98	3mH	180	1.2	A
4339	35.30	26.12	32.25	9.10	32.97	34.50	54.00	-19.50	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 -9.1794dB

VERTICAL

Tue 2003 Jun 3 16:12

REF 80.0 dB μ V

MKR 433.96 MHz

10dB/

A_Max

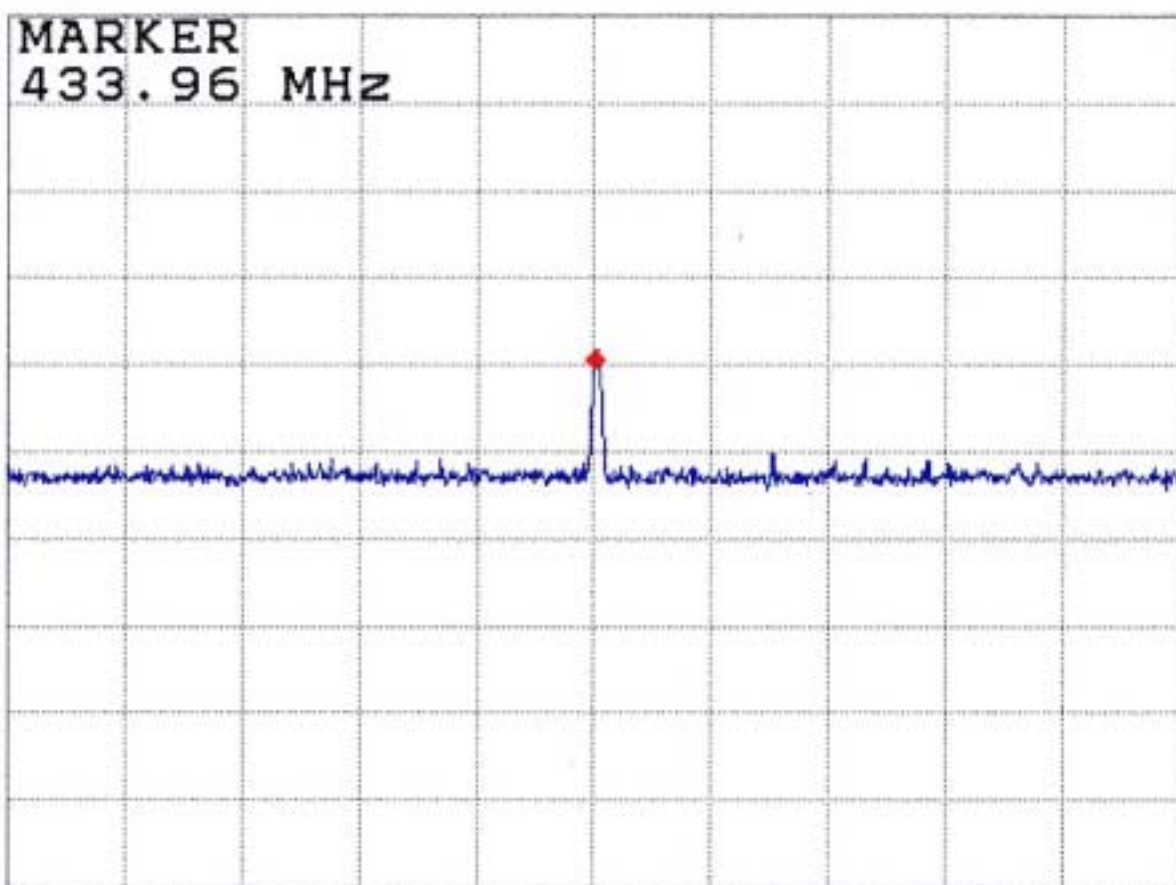
Pos1

B_Blank

Pos1

40.73 dB μ V

MARKER
433.96 MHz



CENTER 433.92 MHz

SPAN 19.80 MHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 10 ms

*ATT 10dB

HORIZONTAL

Tue 2003 Jun 3 17:27

REF 80.0 dB μ V

MR 433.90 MHz

10dB/

A_Max

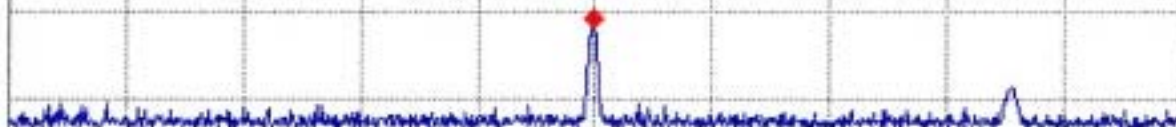
Posi

B_Blank

Posi

39.36 dB μ V

MARKER
433.90 MHz



CENTER 433.92 MHz

SPAN 20.00 MHz

*RBW 100 kHz *VBW 300 kHz *SWP 50 ms *ATT 10dB

Measurement Result

Operation Mode:	Receiver Mode	Test Date:	June 03, 2003
Fundamental Frequency:	433.92 MHz	Test By:	Jimmy Chen
Temperature:	25 °C	Pol:	Vertical
Humidity:	67 %		



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)
431.330	V	Peak	29.17	0.65	29.82	46.00	-16.18
432.130	V	Peak	29.55	0.67	30.22	46.00	-15.78
436.930	V	Peak	29.80	0.79	30.59	46.00	-15.41
438.430	V	Peak	28.57	0.82	29.39	46.00	-16.61
439.580	V	Peak	28.93	0.85	29.78	46.00	-16.22
441.080	V	Peak	29.70	0.89	30.59	46.00	-15.41

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

Measurement Result

Operation Mode:	Receiver Mode	Test Date:	June 03, 2003
Fundamental Frequency:	433.92 MHz	Test By:	Jimmy Chen
Temperature:	25 °C	Pol:	Horizontal
Humidity:	67 %		



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)
432.780	H	Peak	29.29	0.69	29.98	46.00	-16.02
433.400	H	Peak	28.44	0.70	29.14	46.00	-16.86
434.680	H	Peak	29.45	0.73	30.18	46.00	-15.82
435.120	H	Peak	29.14	0.74	29.88	46.00	-16.12
439.140	H	Peak	29.22	0.84	30.06	46.00	-15.94
439.140	H	Peak	32.05	0.84	32.89	46.00	-13.11

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