

FCC ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT CERTIFICATION TO FCC PART 15 REQUIREMENTS

for

INTENTIONAL RADIATOR

of

Car Alarm Transmitter

FCC ID Number : H5OT23
Trade Name : Advance Security Inc.
Model Number : SLRF8
Agency Series : N/A
Report Number : C40303404-RP
Date : March 8, 2004

Prepared for :

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

Prepared by :

Compliance Certification Services Inc.
Hsintien Lab.

No. 165, Chungsen Road, Hsintien City

Taipei Hsien, Taiwan

TEL: (02) 2217-0894

FAX: (02) 2217-1029

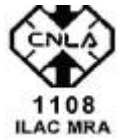


**This report shall not be reproduced, except in full, without the written approval of
Compliance Certification Services Inc.**



TABLE OF CONTENTS

1. VERIFICATION OF COMPLIANCE.....	3
2. PRODUCT DESCRIPTION	4
3. TEST FACILITY.....	4
4. MEASUREMENT STANDARDS.....	4
5. TEST METHODOLOGY	4
6. MEASUREMENT EQUIPMENT USED	5
7. POWERLINE RFI LIMIT	5
8. RADIATED EMISSION LIMITS.....	6
9. SYSTEM TEST CONFIGURATION.....	6
10. TEST PROCEDURE	7
11. EQUIPMENT MODIFICATIONS	8
12. TEST RESULT.....	9
12.1. MAXIMUM MODULATION PERCENTAGE(M%)	9
12.2. THE EMISSIONS BANDWIDTH.....	10
APPENDIX 1 PHOTOGRAPHS OF EUT	11
APPENDIX 2 TEST DATA.....	15



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 Transmitter

MODEL NAME/NUMBER : SLRF8

FCC ID : H5OT23

DATE TESTED : March 3, 2004 & March 4, 2004

REPORT NUMBER : C40303404-RP

TYPE OF EQUIPMENT	SECURITY EQUIPMENT (INTENTIONAL RADIATOR)
EQUIPMENT TYPE	302 MHz Car Alarm Transmitter
MEASUREMENT PROCEDURE	ANSI 63.4 / 2001
LIMIT TYPE	CERTIFICATION
FCC RULE	CFR 47, PART 15

The above equipment was tested by Compliance Certification Services Inc. 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 Compliance Engineering Services, Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification Services Inc. will constitute fraud and shall nullify the document.

Vince Chiang

Vince Chiang / Supervisor
Compliance Certification Services Inc.

2. PRODUCT DESCRIPTION

Fundamental Frequency	302 MHz
Power Source	3V Battery
Transmitting Time	Periodic \leq 5 seconds
Associated Receiver	Model: H5OR38 (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 C63.4/2001.

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
ADVANTEST	R3261A	SPECTRUM ANALYZER	04/11/04
R&S	ESVS30	MEASURE RECEIVER	09/30/04
SCHWARZBECK	VULB 9160	ANTENNA	05/09/04
BELDEN	9913	CABLE	01/01/05
H.P.	8447D B	PRE-AMPLIFIER	05/03/04
CCS	N/A	Site NSA	10/30/04
EMCO	3115	ANTENNA(1-18GHz)	02/02/05
HP	8449B	AMPLIFIER(1-26.5GHz)	02/15/05
JYEBAO	LL143	CABLE(1-18GHz)	02/15/05
JYEBAO	LL142	CABLE(1-18GHz)	02/15/05
HP	8566B	EMC ANALYZER(100Hz-22GHz)	06/25/04

7. POWERLINE RFI LIMIT

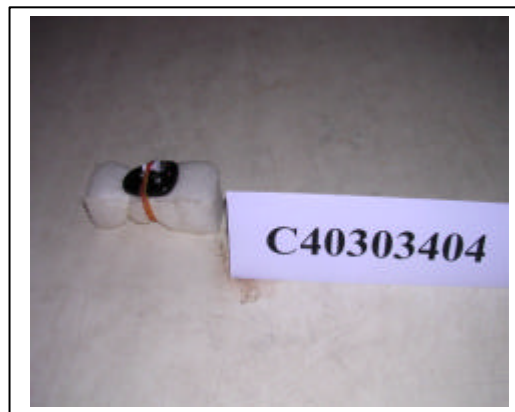
CONNECTED TO AC POWER LINE	SECTION 15.207
CARRIER CURRENT SYSTEM IN THE FREQUENCY RANGE OF 450 KHz TO 30 MHz	SECTION 15.205 AND SECTION 15.209, 15.221, 15.223, 15.225 OR 15.227, AS APPROPRIATE.
BATTERY POWER	NO REQUIRED.

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

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

10. TEST PROCEDURE

Radiated Emissions, 15.231(4)(b)

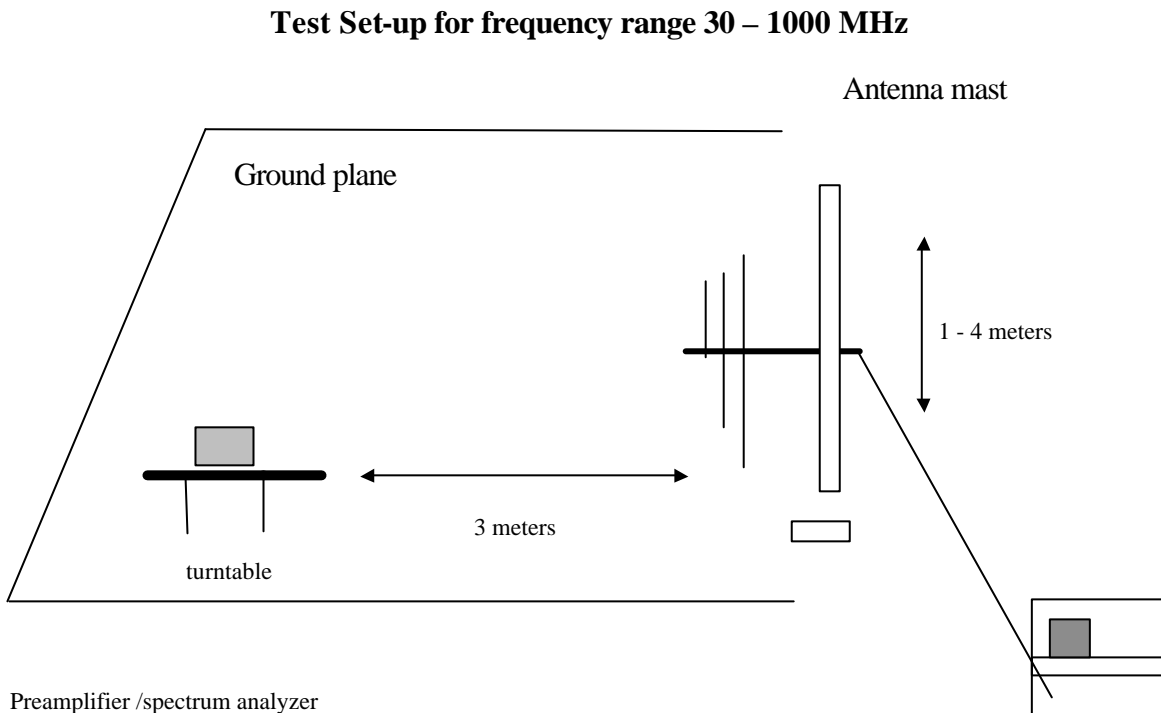


Fig. 1

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.

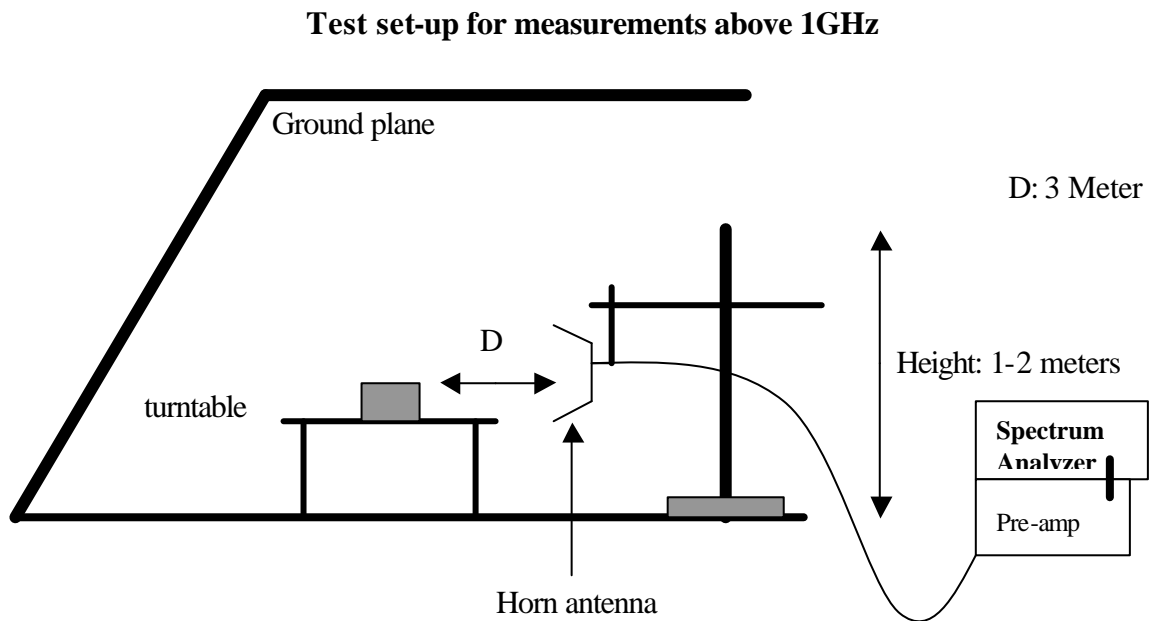


Fig. 2

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)	

12.1 Maximum Modulation Percentage (M%)

CALCULATION:

$$\text{Average Reading} = \text{Peak Reading (dBuV/m)} + 20 \log (\text{Duty Cycle})$$

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

Button 1

- WHERE 1 Period = 67.92 mS
 Long pulse = 1.08 mS
 Short pulse = 0.13 mS
 No of Long pulse = 10
 No of Short pulse = 15

$$\text{Duty Cycle} = (N1L1+N2L2+\dots+Nn-1Ln-1+NnLn)/100 \text{ or } T$$

$$\text{Duty Cycle} = [(10 \times 1.08) + (15 \times 0.13)] / 67.92 = 0.18772 = 18.77 \% \text{ or } -14.53 \text{dB}$$

Button 2

- WHERE 1 Period = 67.8 mS
 Long pulse = 1.17 mS
 Short pulse = 0.14 mS
 No of Long pulse = 10
 No of Short pulse = 15

$$\text{Duty Cycle} = (N1L1+N2L2+\dots+Nn-1Ln-1+NnLn)/100 \text{ or } T$$

$$\text{Duty Cycle} = [(10 \times 1.17) + (15 \times 0.14)] / 67.8 = 0.20353 = 20.35 \% \text{ or } -13.827 \text{dB}$$



Button 3

WHERE 1 Period = 67.92 mS
 Long pulse = 1.15 mS
 Short pulse = 0.11 mS
 No of Long pulse = 10
 No of Short pulse = 15

Duty Cycle = $(N1L1+N2L2+\dots+Nn-1Ln-1+NnLn)/100$ or T
 Duty Cycle = $[(10 \times 1.15) + (15 \times 0.11)] / 67.92 = 0.19361 = 19.36\%$ or -14.261dB

12.2 The Emissions Bandwidth

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

	Center Frequency	Measured	Limits
Button 1	302 MHz	508.0 kHz < (refer to plot)	302MHzX0.25%=755 kHz
Button 2	302 MHz	488.0 kHz < (refer to plot)	302MHzX0.25%=755 kHz
Button 3	302 MHz	516.0 kHz < (refer to plot)	302MHzX0.25%=755 kHz

BUTTON 1

Wed 2004 Mar 3 18:46

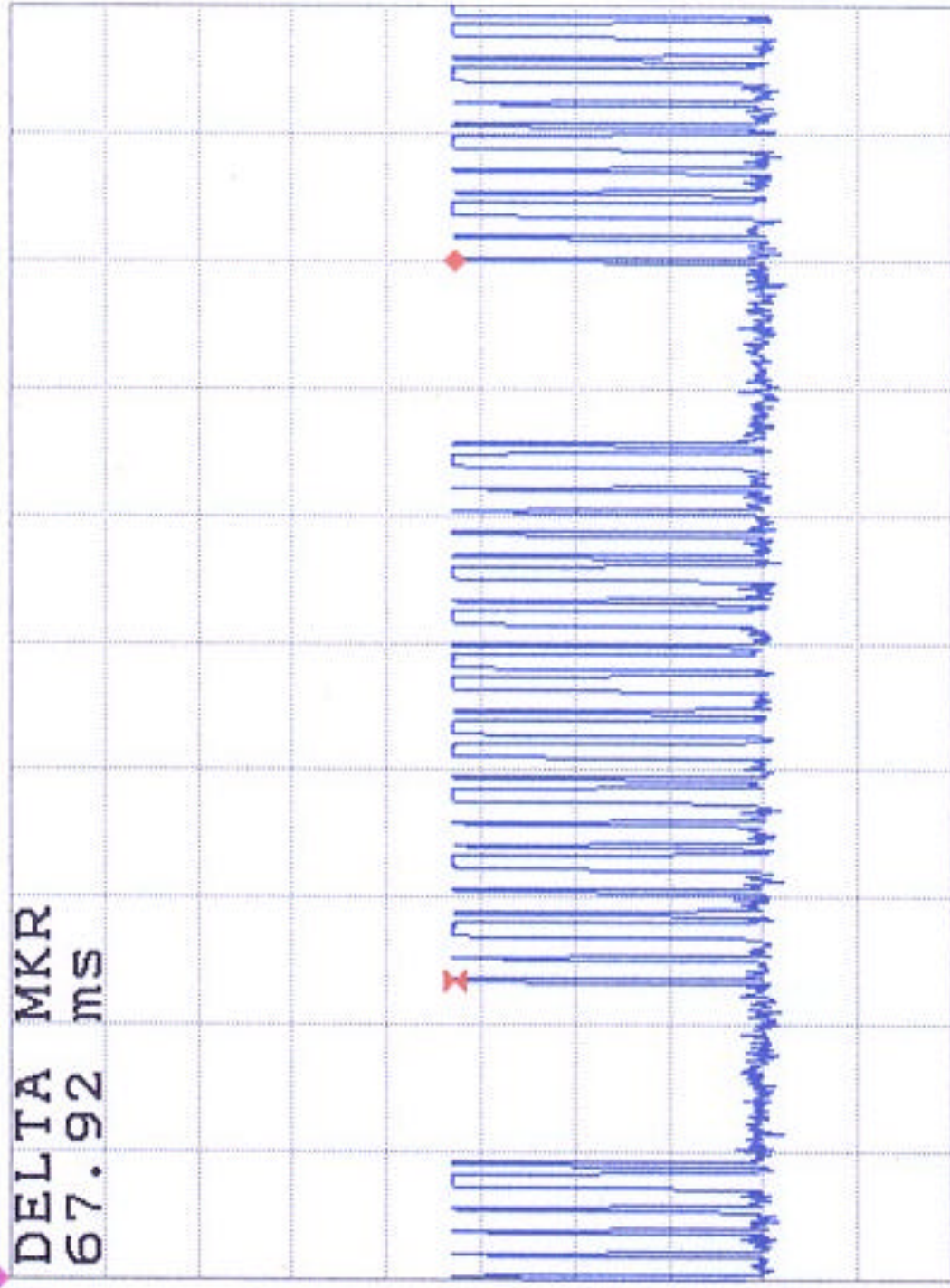
REF 107.0 dB μ V
10dB/

MKA 67.92 ms

A_Write Posi B_Blank Posi

0.18 dB

DELTA MKR
67.92 ms



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 120 ms

ATT 10dB

BUTTON 1

Wed 2004 Mar 3 18:41

REF 107.0 dB μ V

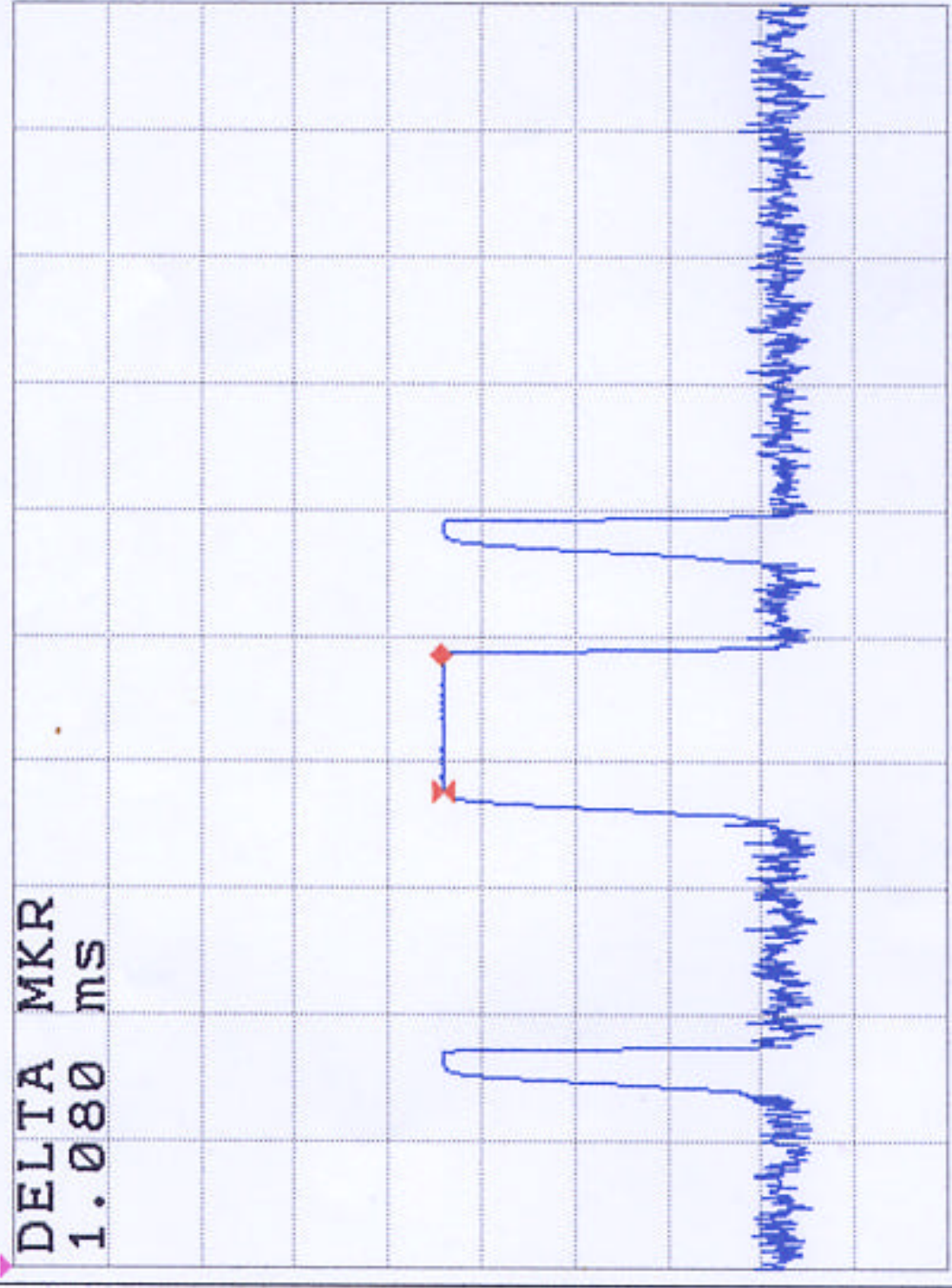
MK Δ 1.080 ms

10dB/

0.16 dB

A_write Posi B_Blank Posi

DELTA MKR
1.080 ms



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

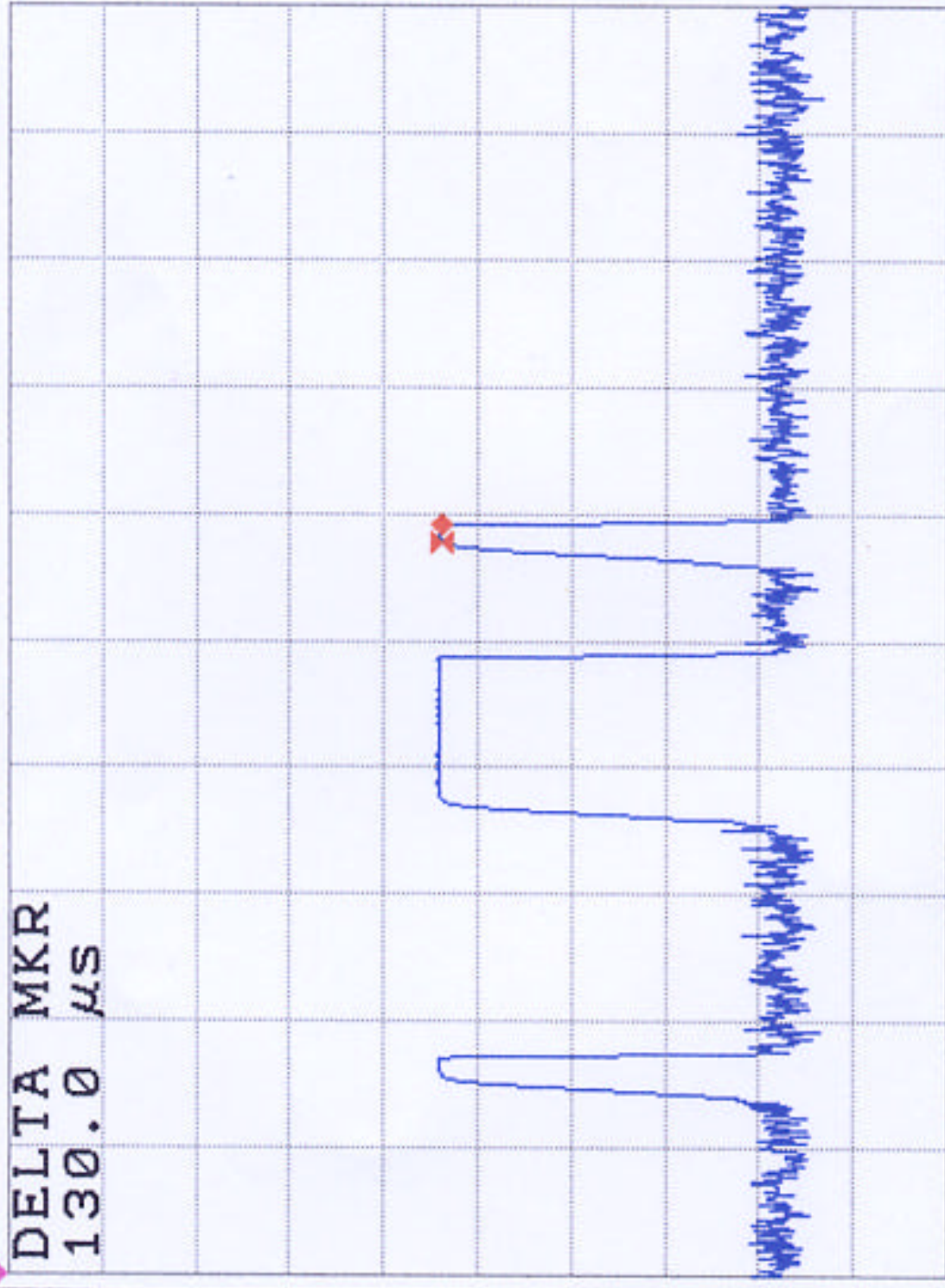
*SWP 10 ms

ATT 10dB

BUTTON 1 Wed 2004 Mar 3 18:43

REF 107.0 dB μ V MK Δ 130.0 μ S
10dB/ A_Write Posi B_Blank Posi 0.10 dB

DELTA MKR
130.0 μ S



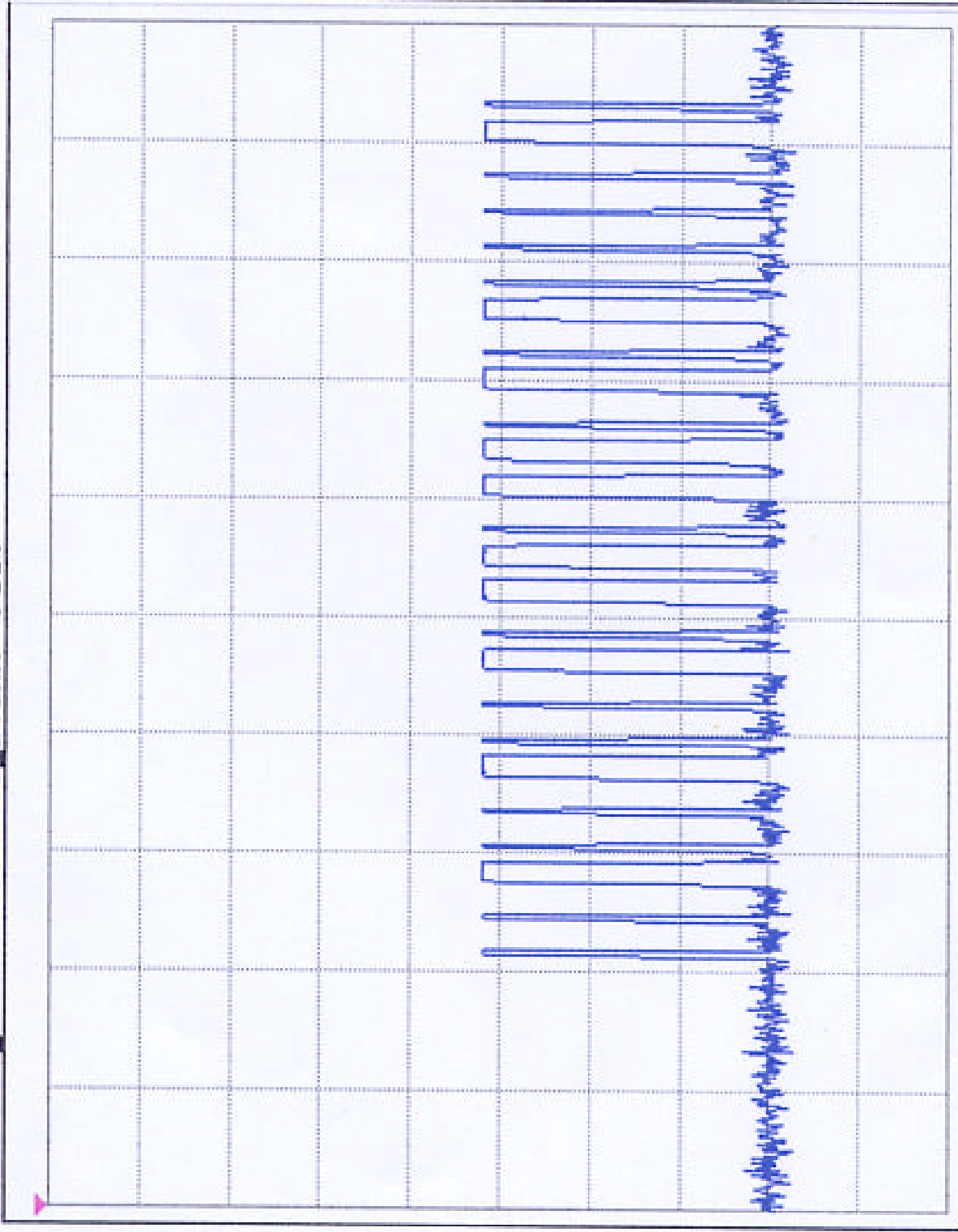
CENTER 302.026000 MHz SPAN 0.000 kHz
*RBW 100 kHz *VBW 300 kHz *SWP 10 ms ATT 10dB

BUTTON 1

Wed 2004 Mar 3 18:57

REF 107.0 dB μ V

10dB/ A_Write Posi B_Blank Posi



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 70 ms

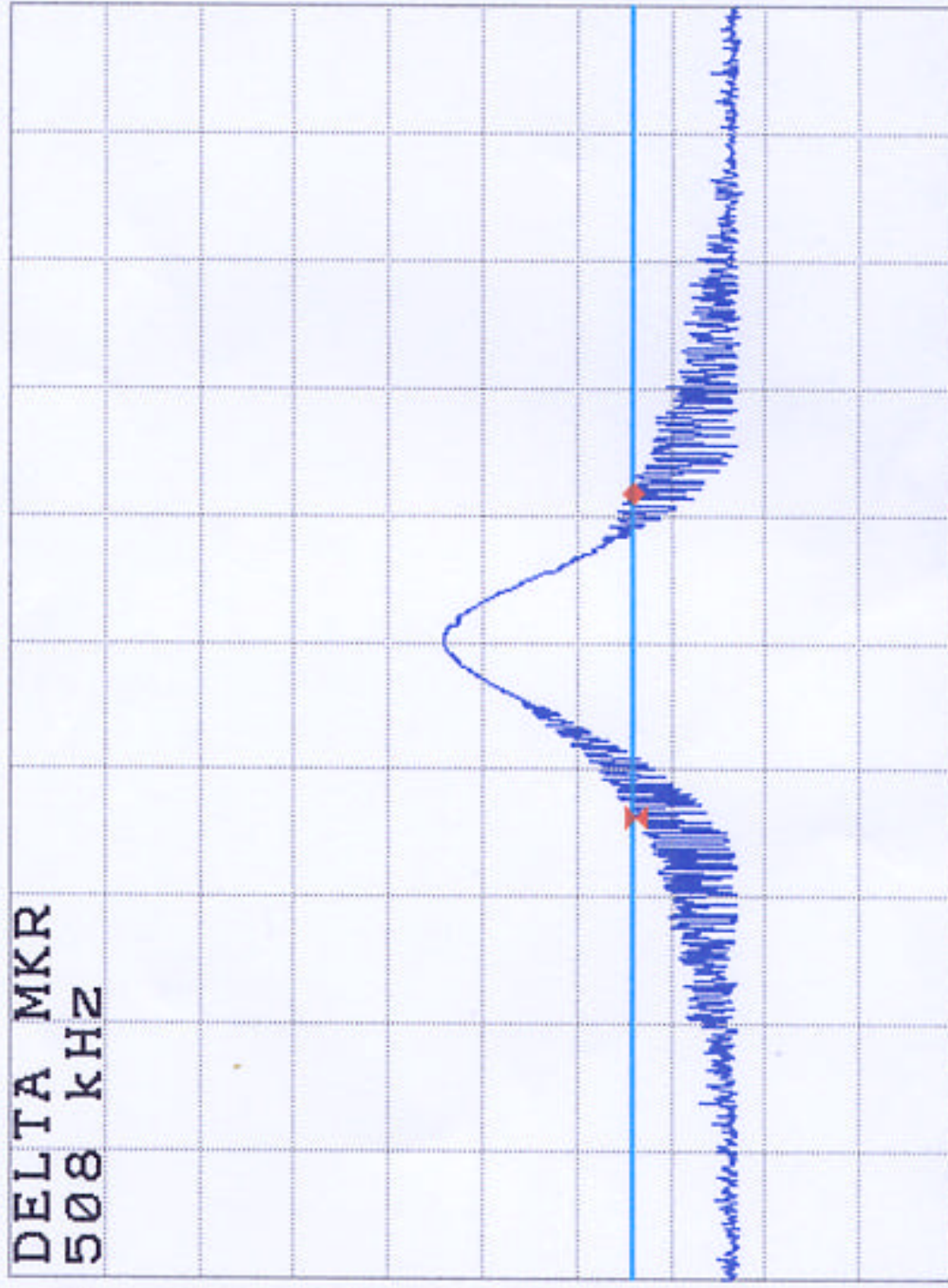
ATT 10dB

BUTTON 1

Wed 2004 Mar 3 18:53

REF 107.0 dB μ V DL 41.3 dB μ V MK Δ 508 kHz
10dB/ A_Max Posi B_Blank Posi 0.46 dB

DELTA MKR
508 kHz



CENTER 302.026 MHz SPAN 2.000 MHz
*RBW 100 kHz *VBW 300 kHz *SMP 150 ms ATT 10dB



Compliance Certification
Services Inc.

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

No. 165, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
TEL: 02-2217-0894 FAX: 02-2217-1029

Project #: C40303404
Report #: C40303404-RP
Date: 2004/03/04
Test Engr: ALEX PAN

Company: ADVANCE SECURITY INC.
EUT Description: SLRF8 (302MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)/FCC 15.209
Mode of Operation: Normal Mode

D-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 18.77 \%$$

$$\begin{aligned} \text{Av Reading} &= \text{Pk Reading} + 20 * \log(M\%) \\ 20 * \log(M\%) &= -14.53 \end{aligned}$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
	Button #1:											
X	302.04	40.00	25.47	14.26	2.70	26.82	15.61	74.81	-59.20	3mV	180	1.00
	604.07	27.60	13.07	20.38	3.98	26.78	10.65	54.81	-44.16	3mV	270	1.00
	906.11	24.40	9.87	24.31	5.00	27.04	12.14	54.81	-42.67	3mV	0	1.00
Y	302.05	44.80	30.27	14.26	2.70	26.82	20.41	74.81	-54.40	3mV	90	1.20
	604.08	32.70	18.17	20.38	3.98	26.78	15.75	54.81	-39.06	3mV	90	1.10
	906.11	25.60	11.07	24.31	5.00	27.04	13.34	54.81	-41.47	3mV	180	1.20
Z	302.04	45.00	30.47	14.26	2.70	26.82	20.61	74.81	-54.20	3mV	0	1.20
	604.07	33.90	19.37	20.38	3.98	26.78	16.95	54.81	-37.86	3mV	90	1.50
	906.10	27.40	12.87	24.31	5.00	27.04	15.14	54.81	-39.67	3mV	270	1.00
X	302.04	55.80	41.27	14.26	2.70	26.82	31.41	74.81	-43.40	3mH	270	1.10
	604.07	30.10	15.57	20.38	3.98	26.78	13.15	54.81	-41.66	3mH	180	1.20
	906.11	26.30	11.77	24.31	5.00	27.04	14.04	54.81	-40.77	3mH	90	1.00
Y	302.05	55.30	40.77	14.26	2.70	26.82	30.91	74.81	-43.90	3mH	90	1.30
	604.06	29.80	15.27	20.38	3.98	26.78	12.85	54.81	-41.96	3mH	270	1.20
	906.09	27.60	13.07	24.31	5.00	27.04	15.34	54.81	-39.47	3mH	180	1.00
Z	302.04	49.80	35.27	14.26	2.70	26.82	25.41	74.81	-49.40	3mH	0	1.00
	604.07	27.60	13.07	20.38	3.98	26.78	10.65	54.81	-44.16	3mH	0	1.40
	906.11	25.60	11.07	24.31	5.00	27.04	13.34	54.81	-41.47	3mH	0	1.00

Peak: RBW= 100KHz
VBW= 300KHz
A(Average): Pk Reading - 14.53dB

Total Data #18

BUTTON 2

Wed 2004 Mar 3 18:29

REF 107.0 dB μ V

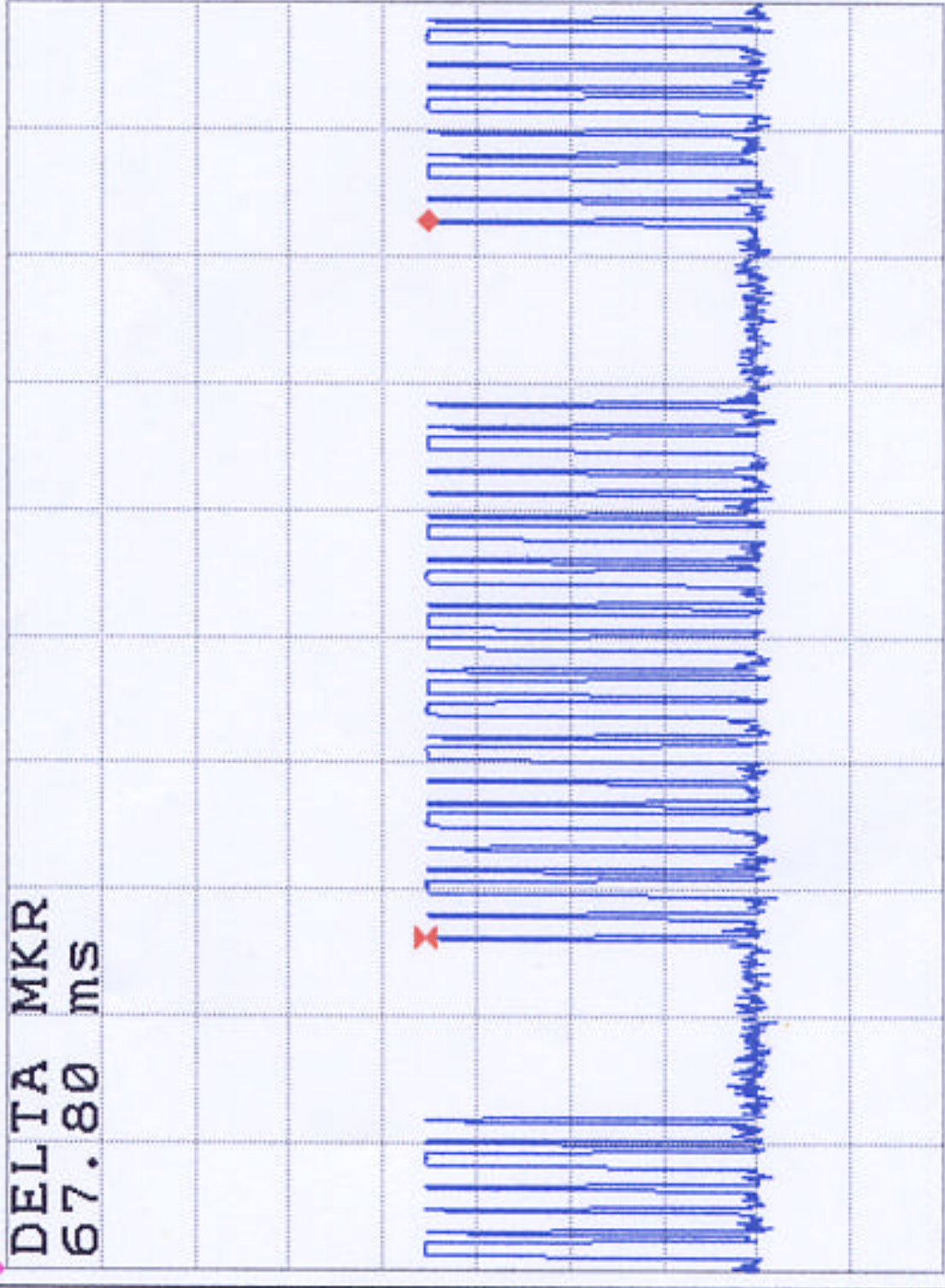
MK Δ 67.80 ms

10dB/

-0.06 dB

A_Write Posi B_Blank Posi

DELTA MKR
67.80 ms



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 120 ms

ATT 10dB

BUTTON 2

Wed 2004 Mar 3 18:35

REF 107.0 dB μ V

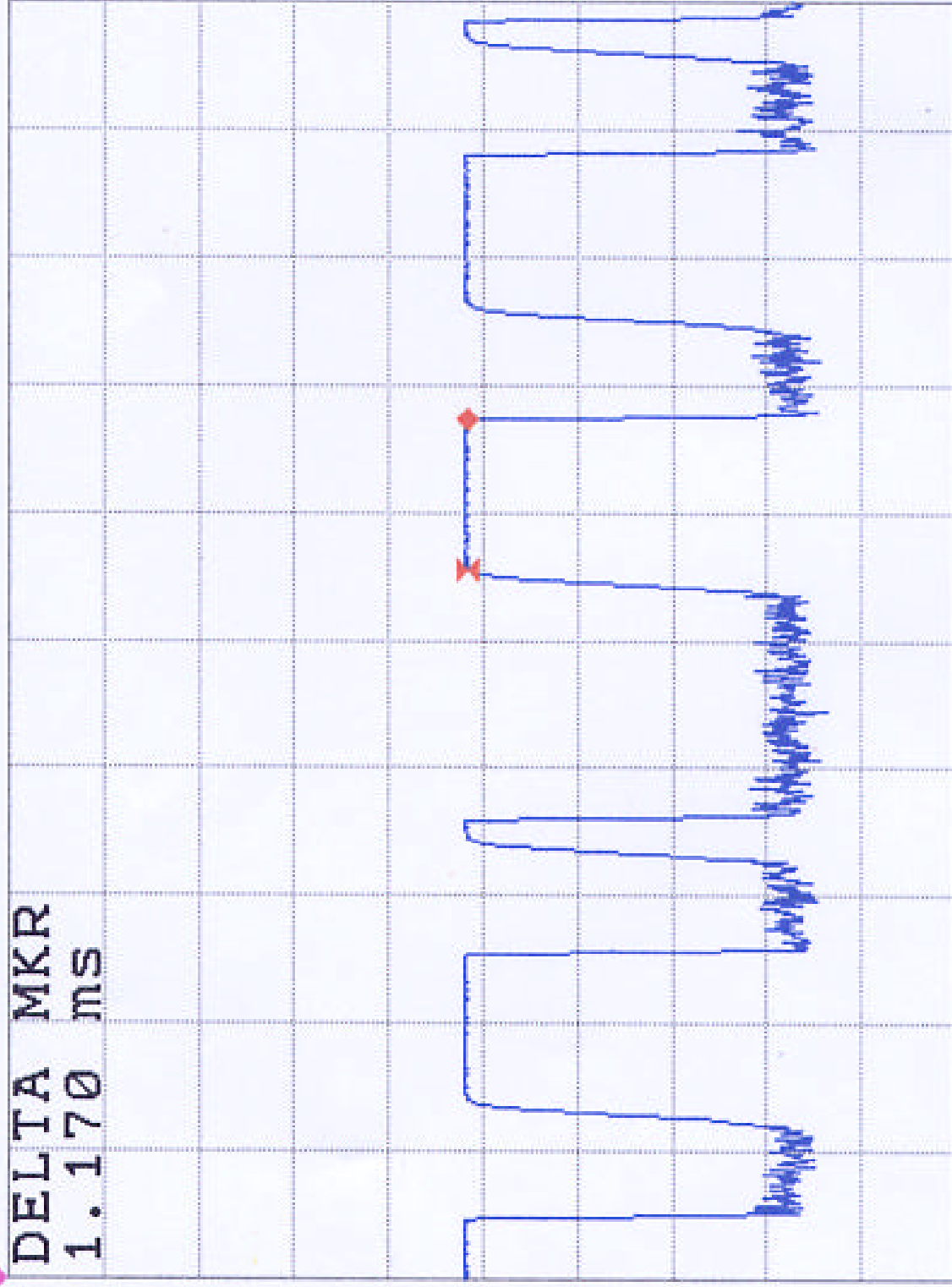
MK Δ 1.170 ms

10dB/

A_Write Posi B_Blank Posi

0.13 dB

DELTA MKR
1.170 ms



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 10 ms

ATT 10dB

BUTTON 2

Wed 2004 Mar 3 18:37

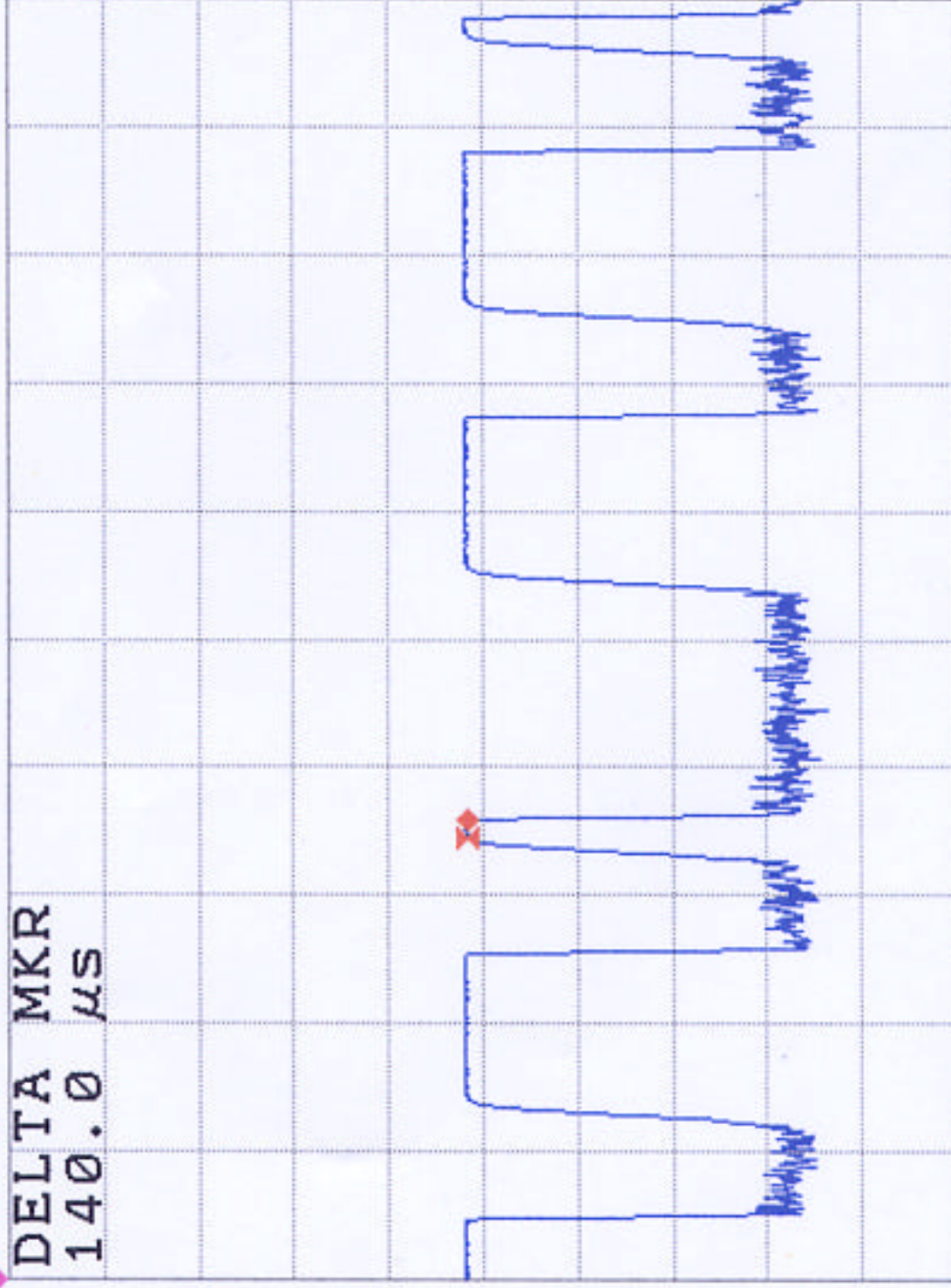
REF 107.0 dB μ V
10dB/

MK Δ 140.0 μ s

A_write Posi B_Blank Posi

0.13 dB

DELTA MKR
140.0 μ S



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 10 ms

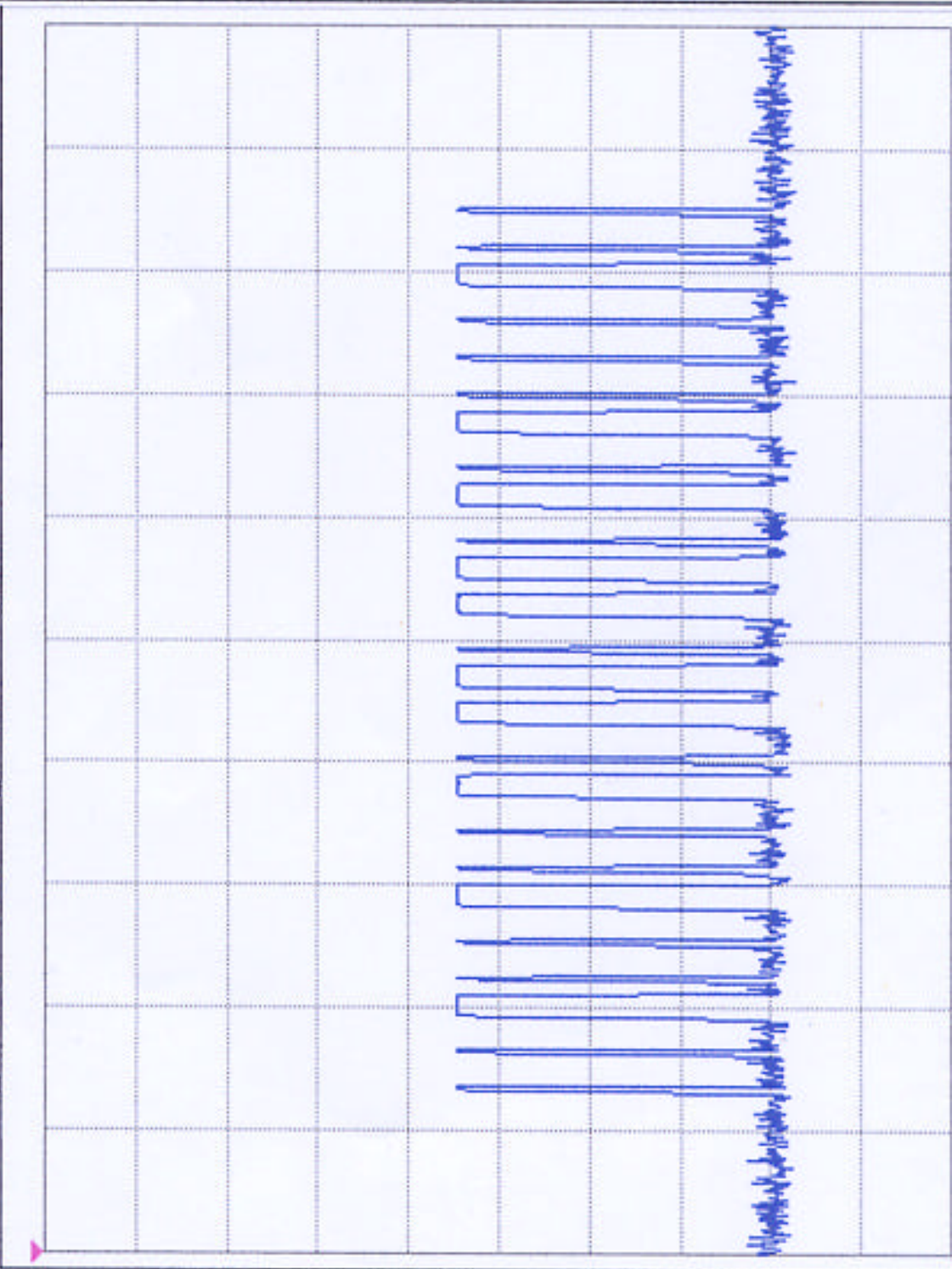
ATT 10dB

Wed 2004 Mar 3 18:32

BUTTON 2

REF 107.0 dB μ V
10dB/

A_Write Posi B_Blank Posi



CENTER 302.026000 MHz SPAN 0.000 kHz
*RBW 100 kHz *VBW 300 kHz *SMP 70 ms ATT 10dB

BUTTON 2

Wed 2004 Mar 3 18:26

REF 107.0 dB μ V DL 44.0 dB μ V

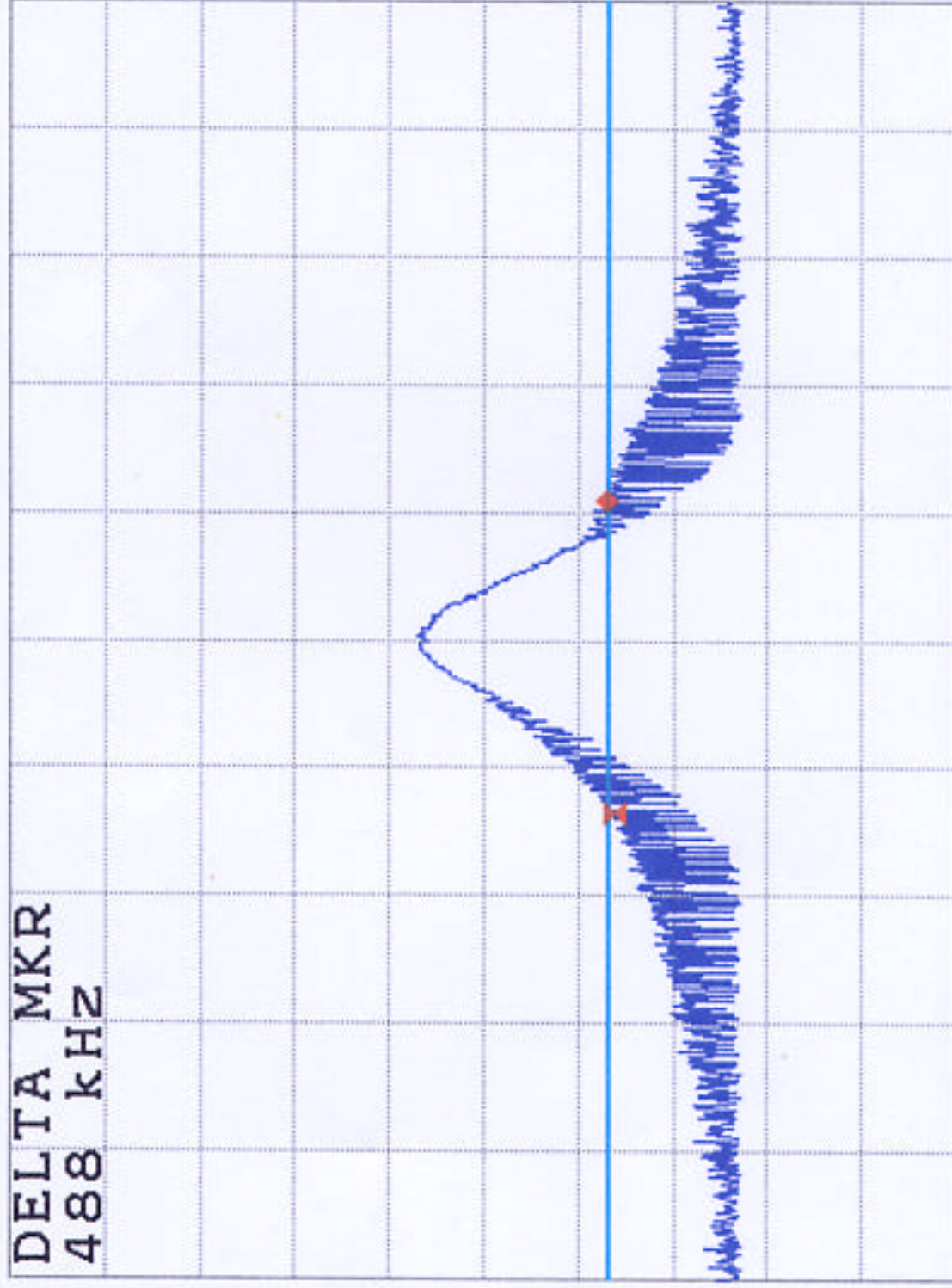
MK Δ 488 kHz

10dB/ A_Max

Posi B_Blank

Posi 0.82 dB

DELTA MKR
488 kHz



CENTER 302.026 MHz

SPAN 2.000 MHz

*RBW 100 kHz

*VBW 300 kHz

*SMP 150 ms

ATT 10dB



Compliance Certification
Services Inc.

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

No. 165, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
TEL: 02-2217-0894 FAX: 02-2217-1029

Project #: C40303404
Report #: C40303404-RP
Date: 2004/03/04
Test Engr: ALEX PAN

Company: ADVANCE SECURITY INC.
EUT Description: SLRF8 (302MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)/FCC 15.209
Mode of Operation: Normal Mode

D-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 20.35 \%$$

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

$$20 * \log(M\%) = -13.827$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
	Button #2:											
X	302.04	43.80	29.97	14.26	2.70	26.82	20.11	74.81	-54.70	3mV	90	1.20
	604.07	26.00	12.17	20.38	3.98	26.78	9.75	54.81	-45.06	3mV	270	1.00
	906.10	26.60	12.77	24.31	5.00	27.04	15.04	54.81	-39.77	3mV	0	1.10
Y	302.04	44.40	30.57	14.26	2.70	26.82	20.71	74.81	-54.10	3mV	180	1.20
	604.07	31.40	17.57	20.38	3.98	26.78	15.15	54.81	-39.66	3mV	90	1.10
	906.10	26.60	12.77	24.31	5.00	27.04	15.04	54.81	-39.77	3mV	180	1.20
Z	302.04	44.30	30.47	14.26	2.70	26.82	20.61	74.81	-54.20	3mV	0	1.40
	604.07	31.90	18.07	20.38	3.98	26.78	15.65	54.81	-39.16	3mV	90	1.10
	906.10	24.50	10.67	24.31	5.00	27.04	12.94	54.81	-41.87	3mV	180	1.00
X	302.04	56.70	42.87	14.26	2.70	26.82	33.01	74.81	-41.80	3mH	270	1.20
	604.07	31.60	17.77	20.38	3.98	26.78	15.35	54.81	-39.46	3mH	180	1.20
	906.12	27.80	13.97	24.31	5.00	27.04	16.24	54.81	-38.57	3mH	90	1.00
Y	302.04	55.50	41.67	14.26	2.70	26.82	31.81	74.81	-43.00	3mH	90	1.10
	604.06	30.40	16.57	20.38	3.98	26.78	14.15	54.81	-40.66	3mH	270	1.20
	906.10	25.60	11.77	24.31	5.00	27.04	14.04	54.81	-40.77	3mH	90	1.50
Z	302.04	46.10	32.27	14.26	2.70	26.82	22.41	74.81	-52.40	3mH	0	1.00
	604.07	28.20	14.37	20.38	3.98	26.78	11.95	54.81	-42.86	3mH	90	1.10
	906.10	25.90	12.07	24.31	5.00	27.04	14.34	54.81	-40.47	3mH	0	1.00

Peak: RBW= 100KHz
VBW= 300KHz
A(Average): Pk Reading - 13.827dB

Total Data #18

BUTTON 3

Wed 2004 Mar 3 19:57

REF 107.0 dB μ V

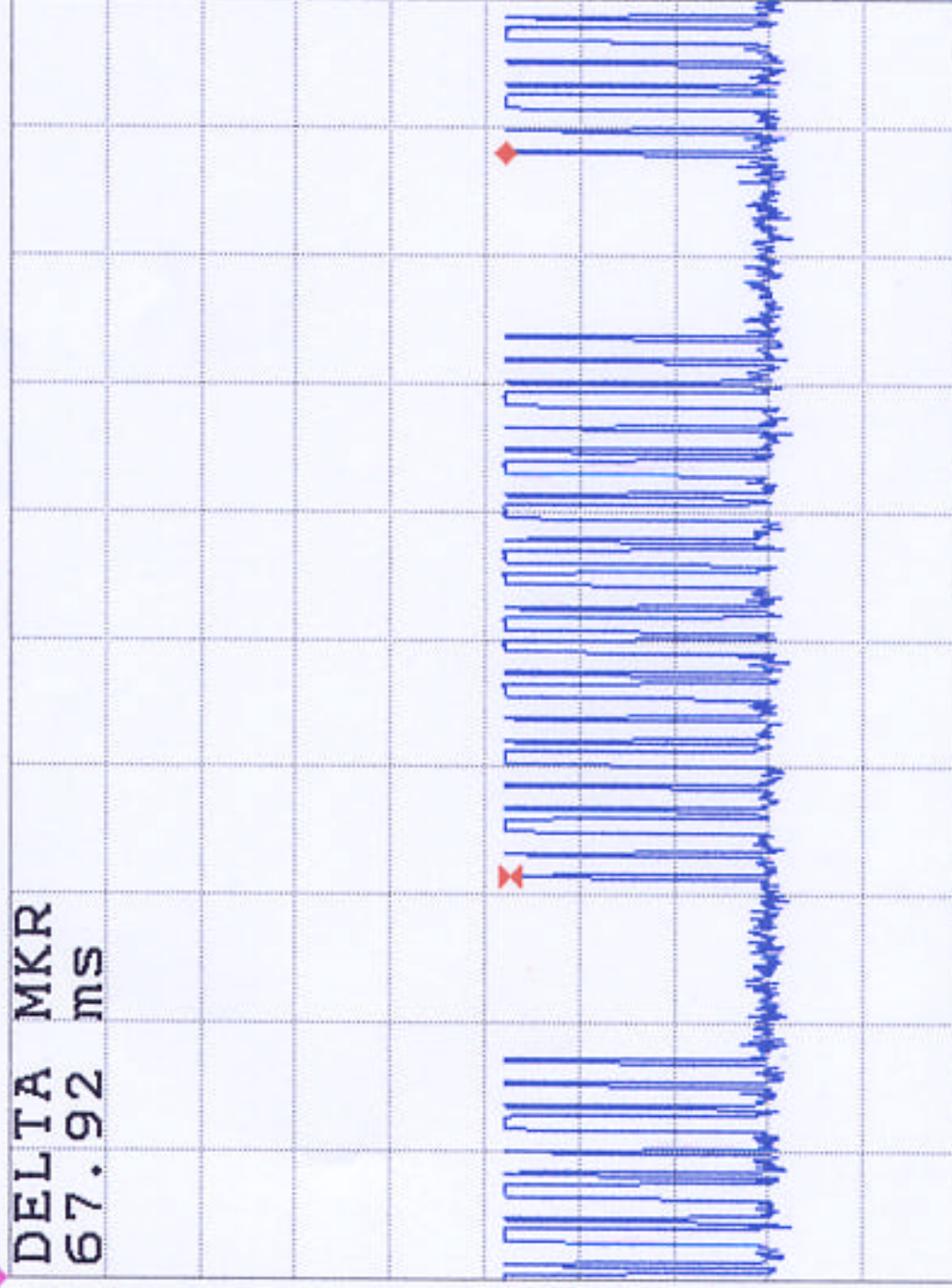
MK Δ 67.92 ms

10dB/

A_Write Posi B_Blank Posi

0.42 dB

DELTA MKR
67.92 ms



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

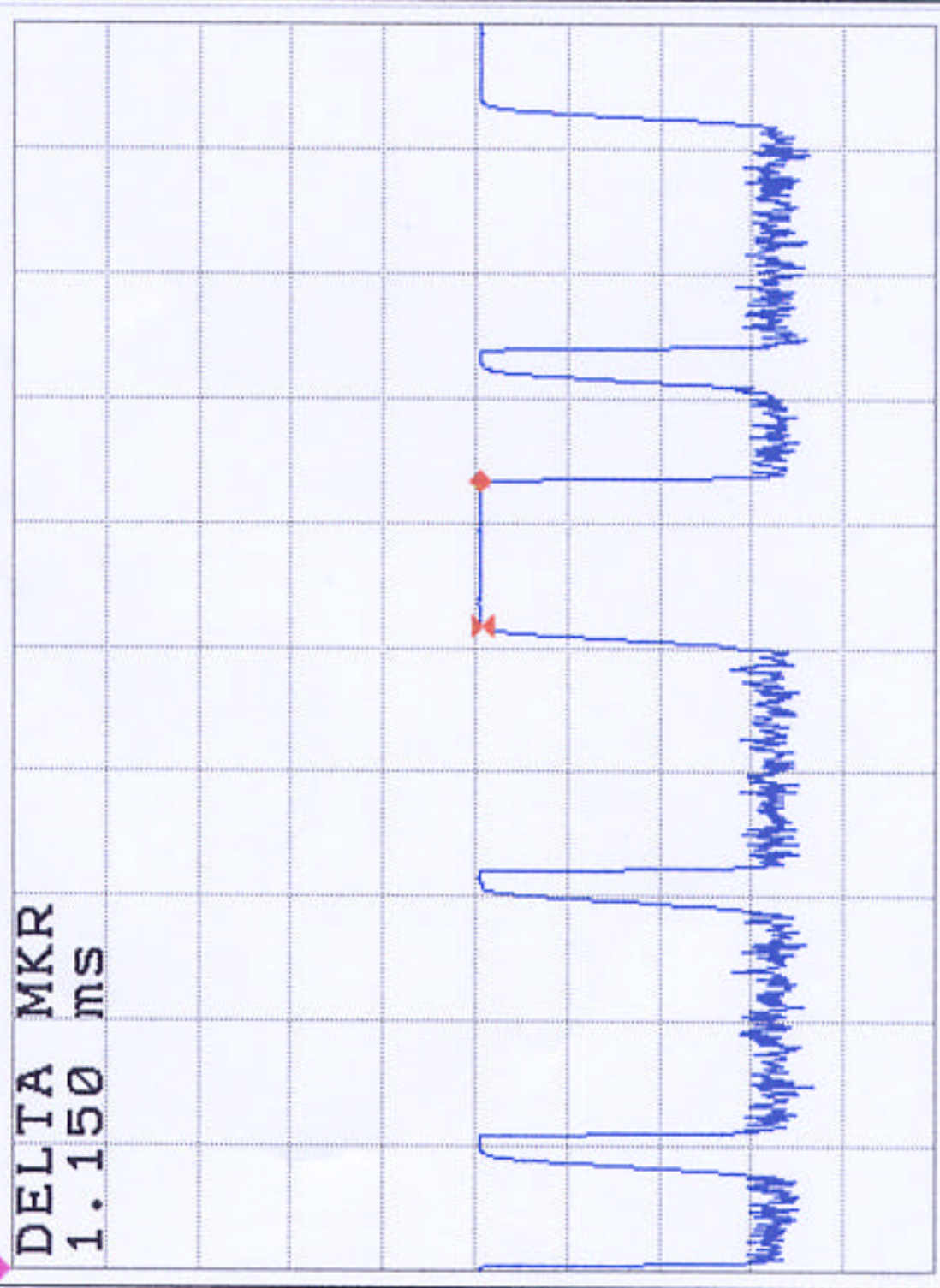
*VBW 300 kHz

*SWP 120 ms

ATT 10dB

BUTTON 3 Wed 2004 Mar 3 20:00

REF 107.0 dB μ V MK Δ 1.150 ms
10dB/ A_Write Posi B_Blank Posi 0.20 dB



CENTER 302.026000 MHz SPAN 0.000 kHz
*RBW 100 kHz *VBW 300 kHz *SMP 10 ms ATT 10dB

BUTTON 3

Wed 2004 Mar 3 20:02

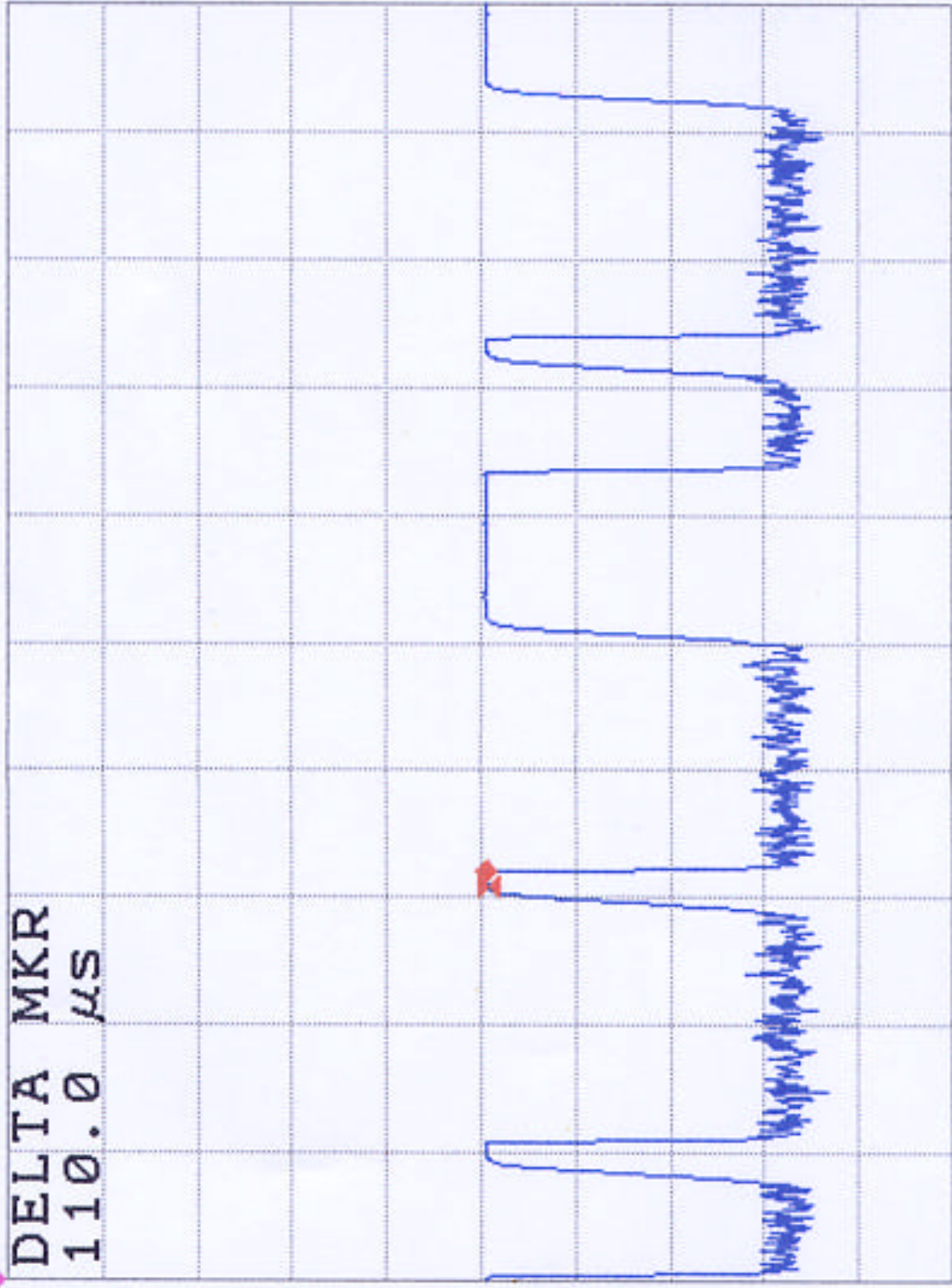
REF 107.0 dB μ V
10dB/

MKA 110.0 μ s

A_Write Posi B_Blank Posi

0.17 dB

DELTA MKR
110.0 μ S



CENTER 302.026000 MHz
*RBW 100 kHz *VBW 300 kHz

SPAN 0.000 kHz
ATT 10dB

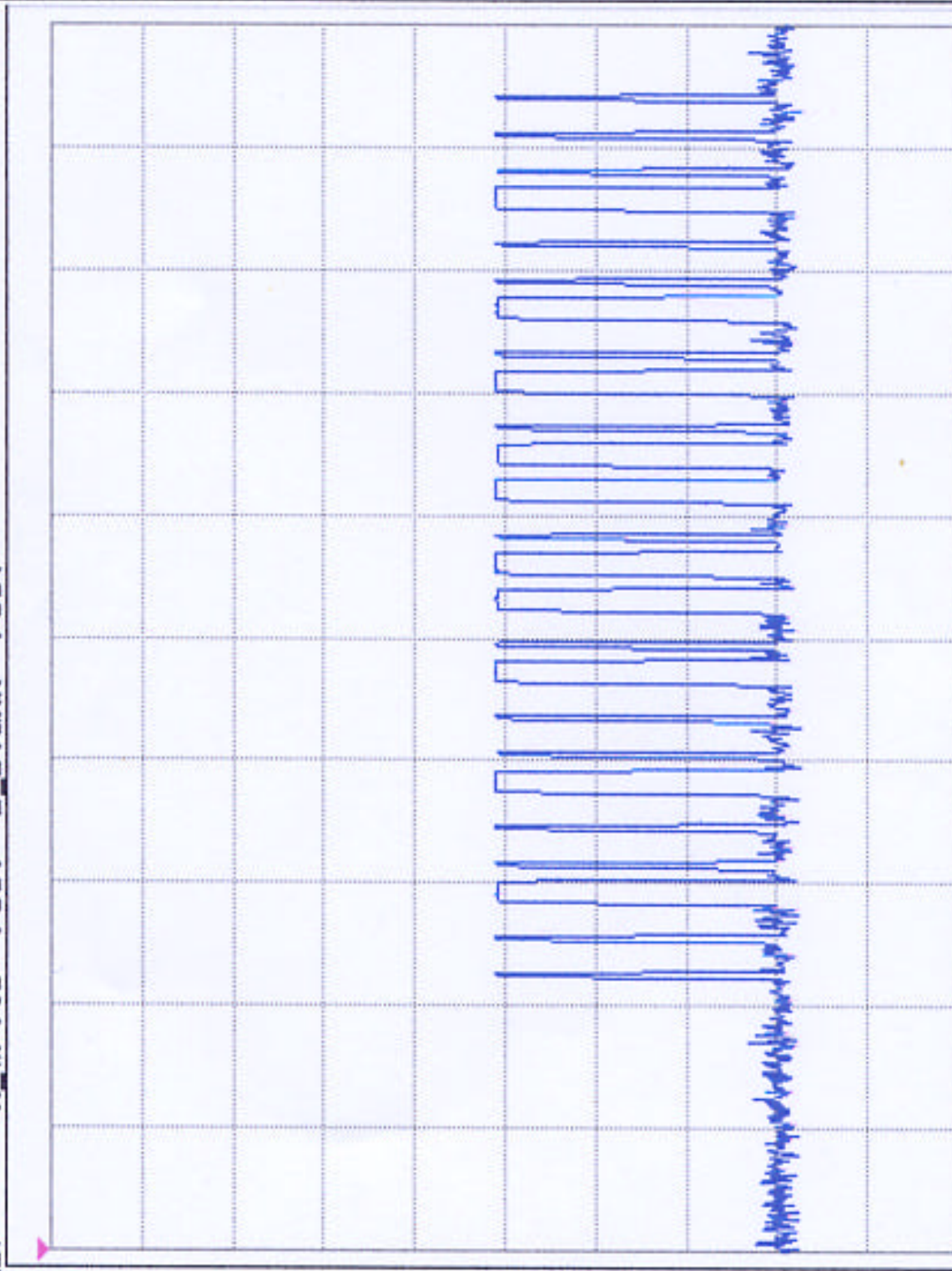
*SWP 10 ms

BUTTON 3

Wed 2004 Mar 3 19:54

REF 107.0 dB μ V

10dB/ A_Write Posi B_Blank Posi



CENTER 302.026000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 70 ms

ATT 10dB

BUTTON 3

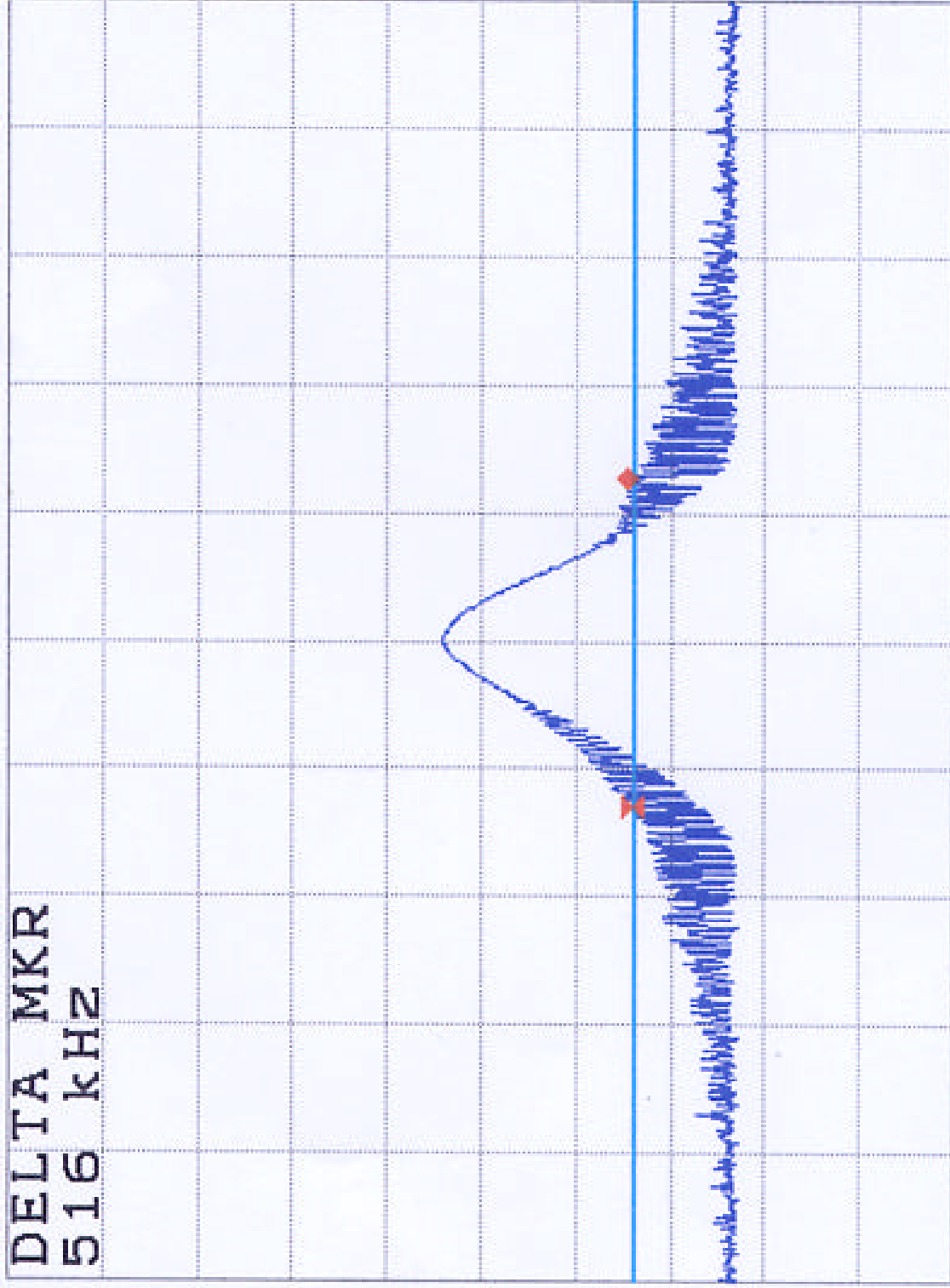
Wed 2004 Mar 3 19:04

REF 107.0 dB μ V
10dB/

DL 41.0 dB μ V
Posi B_Blank

MK Δ 516 kHz
0.44 dB

DELTA MKR
516 kHz



CENTER 302.026 MHz

*RBW 100 kHz

*VBW 300 kHz

*SWP 150 ms

SPAN 2.000 MHz

ATT 10dB



Compliance Certification
Services Inc.

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

No. 165, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
TEL: 02-2217-0894 FAX: 02-2217-1029

Project #: C40303404
Report #: C40303404-RP
Date: 2004/03/04
Test Engr: ALEX PAN

Company: ADVANCE SECURITY INC.
EUT Description: SLRF8 (302MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)/FCC 15.209
Mode of Operation: Normal Mode

D-Site

$$M\% = ((t1+t2+t3+...)/T) * 100\% = 19.36 \%$$

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

$$20 * \log(M\%) = -14.261$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
	Button #3:											
X	302.03	39.00	24.74	14.26	2.70	26.82	14.88	74.81	-59.93	3mV	90	1.30
	604.06	26.50	12.24	20.38	3.98	26.78	9.82	54.81	-44.99	3mV	270	1.00
	906.09	24.90	10.64	24.31	5.00	27.04	12.91	54.81	-41.90	3mV	0	1.10
Y	302.04	44.30	30.04	14.26	2.70	26.82	20.18	74.81	-54.63	3mV	180	1.20
	604.07	30.20	15.94	20.38	3.98	26.78	13.52	54.81	-41.29	3mV	90	1.10
	906.10	26.10	11.84	24.31	5.00	27.04	14.11	54.81	-40.70	3mV	270	1.20
Z	302.04	45.50	31.24	14.26	2.70	26.82	21.38	74.81	-53.43	3mV	0	1.10
	604.07	33.20	18.94	20.38	3.98	26.78	16.52	54.81	-38.29	3mV	90	1.10
	906.10	26.20	11.94	24.31	5.00	27.04	14.21	54.81	-40.60	3mV	0	1.00
X	302.03	54.90	40.64	14.26	2.70	26.82	30.78	74.81	-44.03	3mH	0	1.10
	604.06	28.90	14.64	20.38	3.98	26.78	12.22	54.81	-42.59	3mH	180	1.30
	906.11	26.50	12.24	24.31	5.00	27.04	14.51	54.81	-40.30	3mH	90	1.00
Y	302.03	48.10	33.84	14.26	2.70	26.82	23.98	74.81	-50.83	3mH	270	1.10
	604.08	27.10	12.84	20.38	3.98	26.78	10.42	54.81	-44.39	3mH	270	1.40
	906.11	26.50	12.24	24.31	5.00	27.04	14.51	54.81	-40.30	3mH	180	1.10
Z	302.05	46.60	32.34	14.26	2.70	26.82	22.48	74.81	-52.33	3mH	90	1.00
	604.08	27.10	12.84	20.38	3.98	26.78	10.42	54.81	-44.39	3mH	90	1.20
	906.11	24.90	10.64	24.31	5.00	27.04	12.91	54.81	-41.90	3mH	180	1.10

Peak: RBW= 100KHz
VBW= 300KHz
A(Average): Pk Reading - 14.261dB

Total Data #18



Compliance Certification
Services Inc.

FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP
No. 165, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
TEL: 02-2217-0894 FAX: 02-2217-1029

Project #: C40303404
Report #: C40303404-RP
Date: 2004/03/04
Test Engr: ALEX PAN

Company: ADVANCE SECURITY INC.
EUT Description: SLRF8 (302MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)/FCC 15.209
Mode of Operation: Normal Mode



Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)	Mark (P/Q/A)
1208	55.20	40.67	24.26	4.28	37.71	31.50	54.00	-22.50	3mV	90	1.2	A
1510	48.50	33.97	24.71	4.82	37.34	26.16	54.00	-27.84	3mV	180	1.1	A
1812	45.10	30.57	26.01	5.32	37.22	24.68	54.81	-30.13	3mV	270	1.0	A
2114	47.40	32.87	27.25	5.82	37.16	28.78	54.81	-26.03	3mV	0	1.3	A
1208	52.50	37.97	24.26	4.28	37.71	28.80	54.00	-25.20	3mH	90	1.1	A
1510	44.70	32.58	24.70	4.81	37.34	24.75	54.00	-29.25	3mH	270	1.3	A
1812	43.80	31.68	26.01	5.32	37.22	25.79	54.81	-29.02	3mH	180	1.0	A
2114	43.80	31.68	27.25	5.82	37.16	27.59	54.81	-27.22	3mH	90	1.3	A

* No other emission were found within 20dB under the limits upto 3.2 GHz.

Total data #8
V.2d

P(Peak): RBW=VBW=1MHz
A(Average): Pk Reading -14.53dB