

hp

REF .0 dBm

AT 10 dB

MKR 500.00 μ sec

.21 dB

PEAK

LOG

10

dB/

0.25ms
→ ←

0.5ms
← →

VA SB

SC VC

CORR

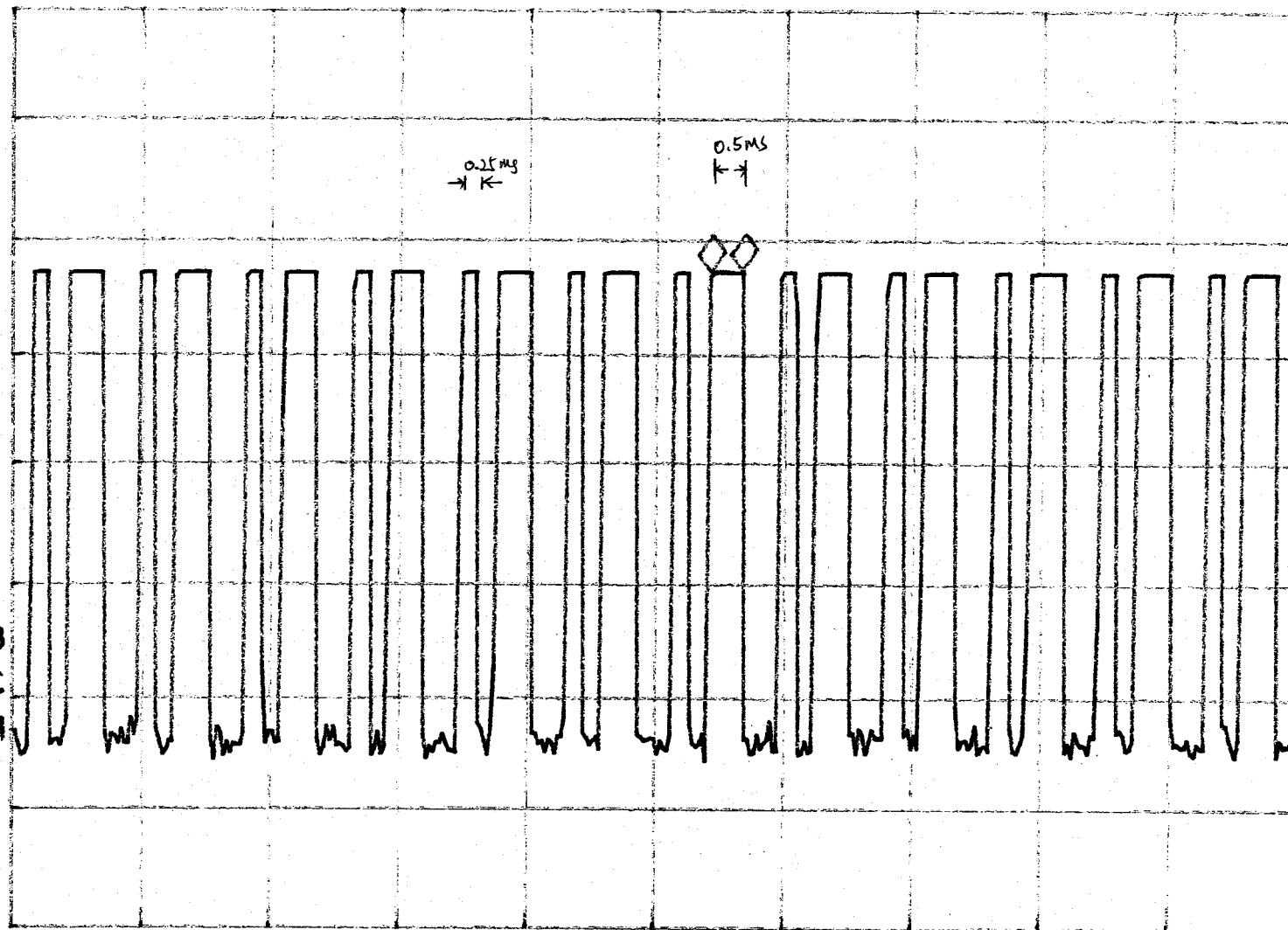
CENTER 433.985 MHz

#RES BW 3.0 MHz

#VBW 3 MHz

SPAN 0 Hz

SWP 20.0 msec





1ms represent 1



0.5 ms
represent 0

propane tx coding.

start: a series of 10101010~~~~ code, to power up
the RF and for preamp purpose. (80-100ms)

1st byte : "5D" -> preamp-stop signal

2nd byte : device code (1 byte) (value:0-255)

3rd byte : propane level (1 byte)(value:0-255)

4th byte: temp_ref lower byte (1 byte) (value:0-255)

5th byte: temp_ref higher byte (1 byte) (value:0-255)

6th byte: temp_sensor lower byte (1 byte) (value:0-255)

7th byte: temp_sensor higher byte(1 byte) (value:0-255)

8th byte: (value:0-255)

bit 0: 1: battery high

0: battery low

bit 1: 1: init stage

0: normal working stage

bit2: 1: vertical

0: horizontal

bit3-bit7: unused (unknow value)

9th byte: "count value" to indicate when to enter normal stage (value:0-32)

10th byte: (value:0-255)

higher nipple: checksum (4bit checksum)

lower nipple: send checksum again

(check sum are obtained by "xor " all nipples sented- 1st to 9th byte (i.e 1-18
nipple)

hp

MKR 23.625 sec

REF -10.0 dBm

AT 10 dB

.21 dB

PEAK

LOG

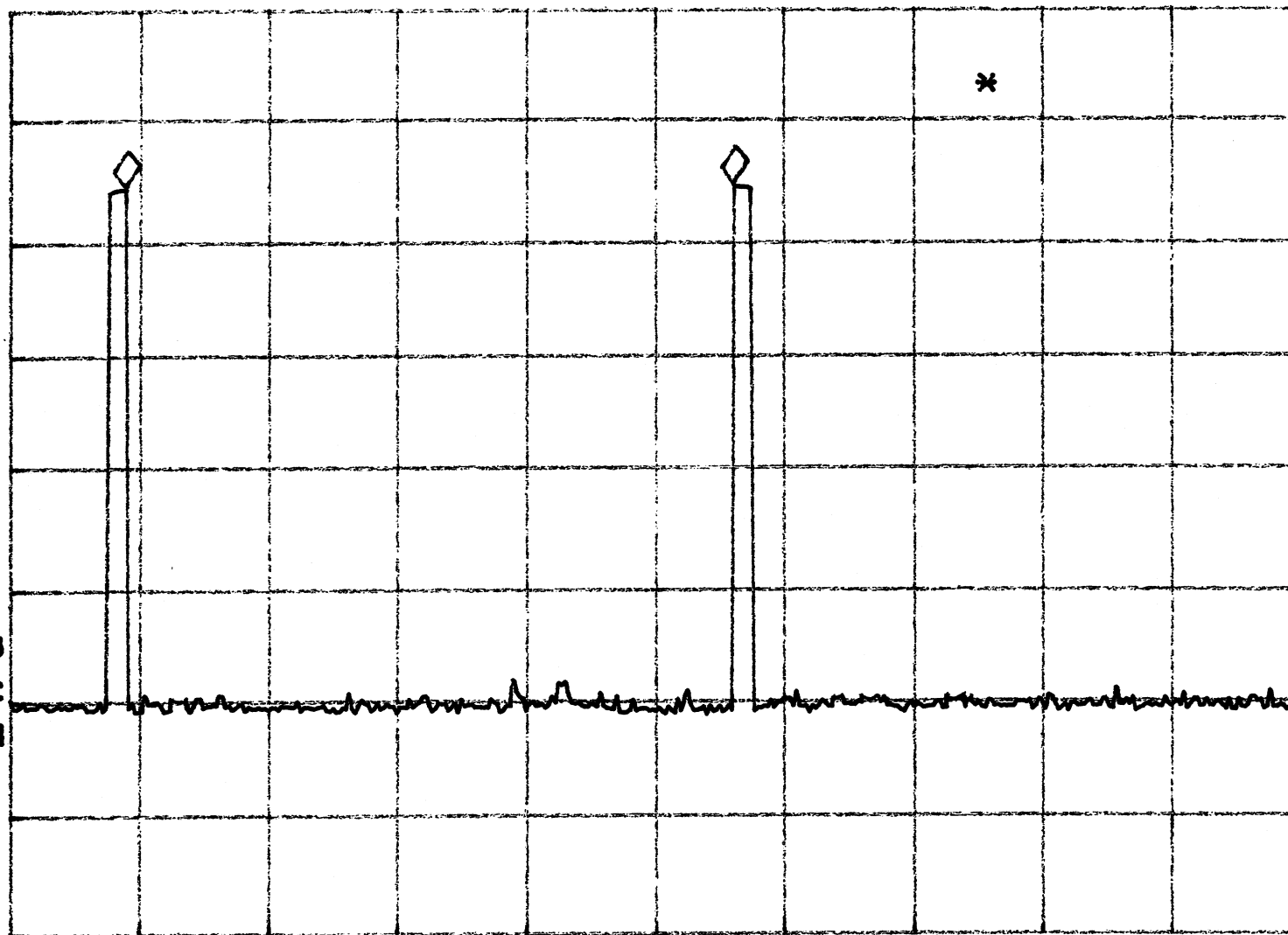
10

dB/

VA SB

SC FC

CORR



CENTER 433.900 MHz

SPAN 0 Hz

#RES BW 1.0 MHz

VBW 300 kHz

#SWP 50.0 sec

5/6

hp

REF -10.0 dBm

AT 10 dB

MKR 625.00 msec

.33 dB

PEAK

LOG

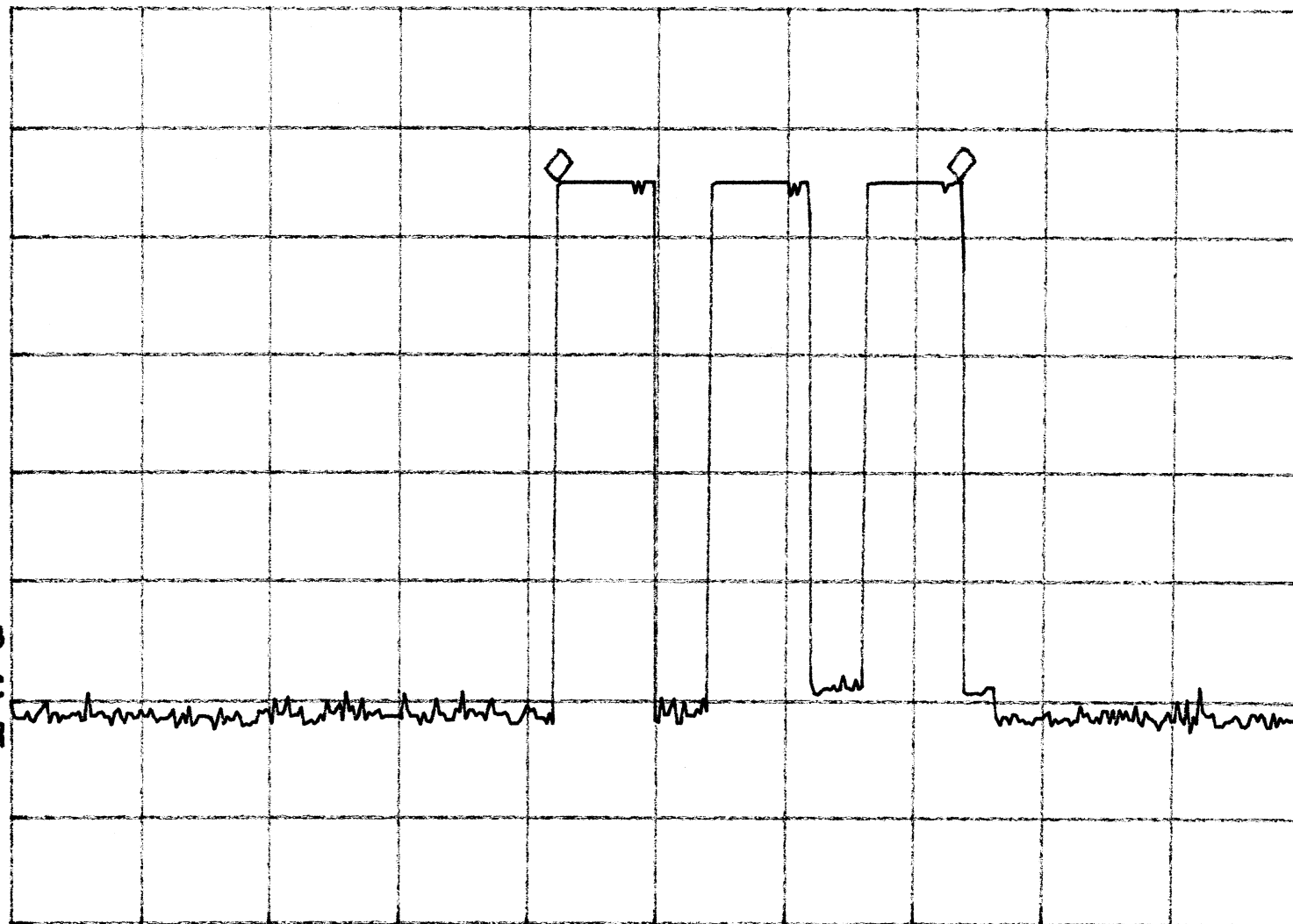
10

dB/

VA SB

SC FC

CORR



CENTER 433.900 MHz

SPAN 0 Hz

#RES BW 1.0 MHz

VBW 300 kHz

#SWP 2.00 sec

9/7