

THN198 Timing Schedule

Tx cycle: ch. 1 : 30s

ch. 2 : 29s

ch. 3 : 31s

The same packet will be sent two times, separated by 103 ms silent period. Each packet includes the followings:

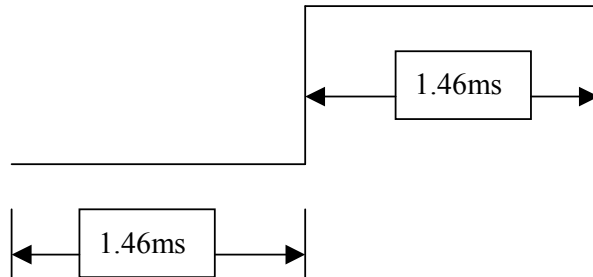
Header A : 12 pulse. Each pulse is 1.46 ms high and 1.46 ms low.

Silent period : 3 ms

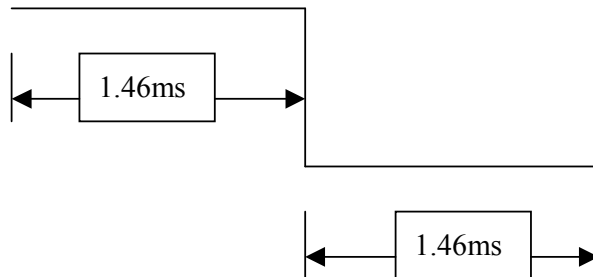
Header B : 1 pulse only with 5.5 ms high / 5.5 ms low

Data : 32 bits. Each pulse is 1.46 ms high and 1.46 ms low.

For the 32 bit data, bit '0' is shown as below,



For the 32 bit data, bit '1' is shown as below,



The followings show the 32 bits data stream at different temperature readings.

-20°C, 11100010100010000100010001011110

+60°C, 10110010110010011010000010100111

+30.5°C, 10100010011010010100000010111011

$$\text{D.C} = (5.5 + 1.46 \times 30 + 1.4) / 100$$

$$= 0.507$$

$$\text{A.F} = -5.9\text{dB}$$

hp

REF 97.0 dB μ V

AT 10 dB

MKR 5.5000 msec

-.09 dB

PEAK

LOG

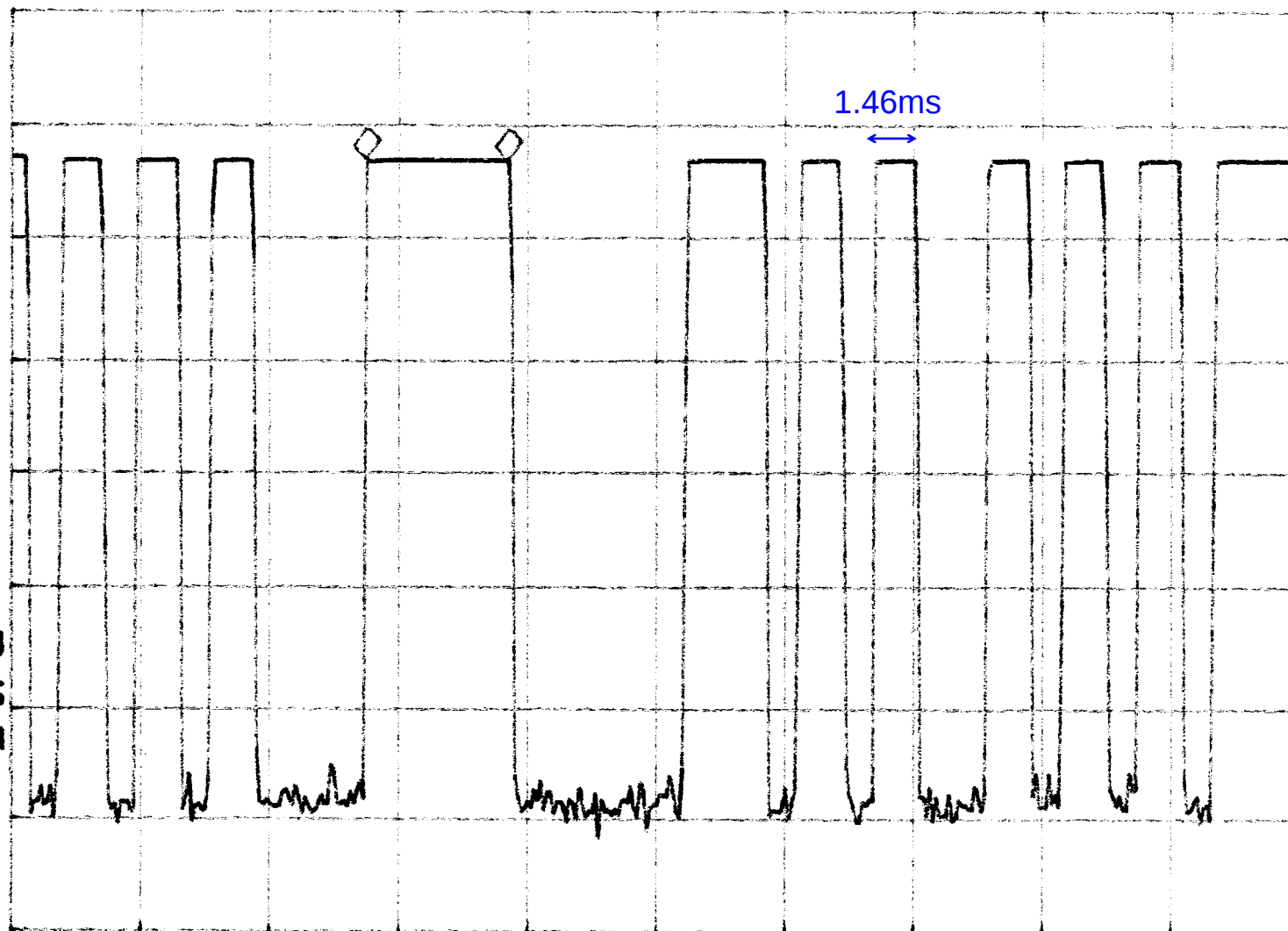
10

dB/

WA SB

SC VS

CORR



CENTER 433.959 MHz

SPAN 0 Hz

#RES BW 100 KHz

#VBW 1 MHz

#SWP 50.0 msec

hp

REF 97.0 dB μ V

AT 10 dB

MKR 30.000 sec

-.03 dB

PEAK

LOG

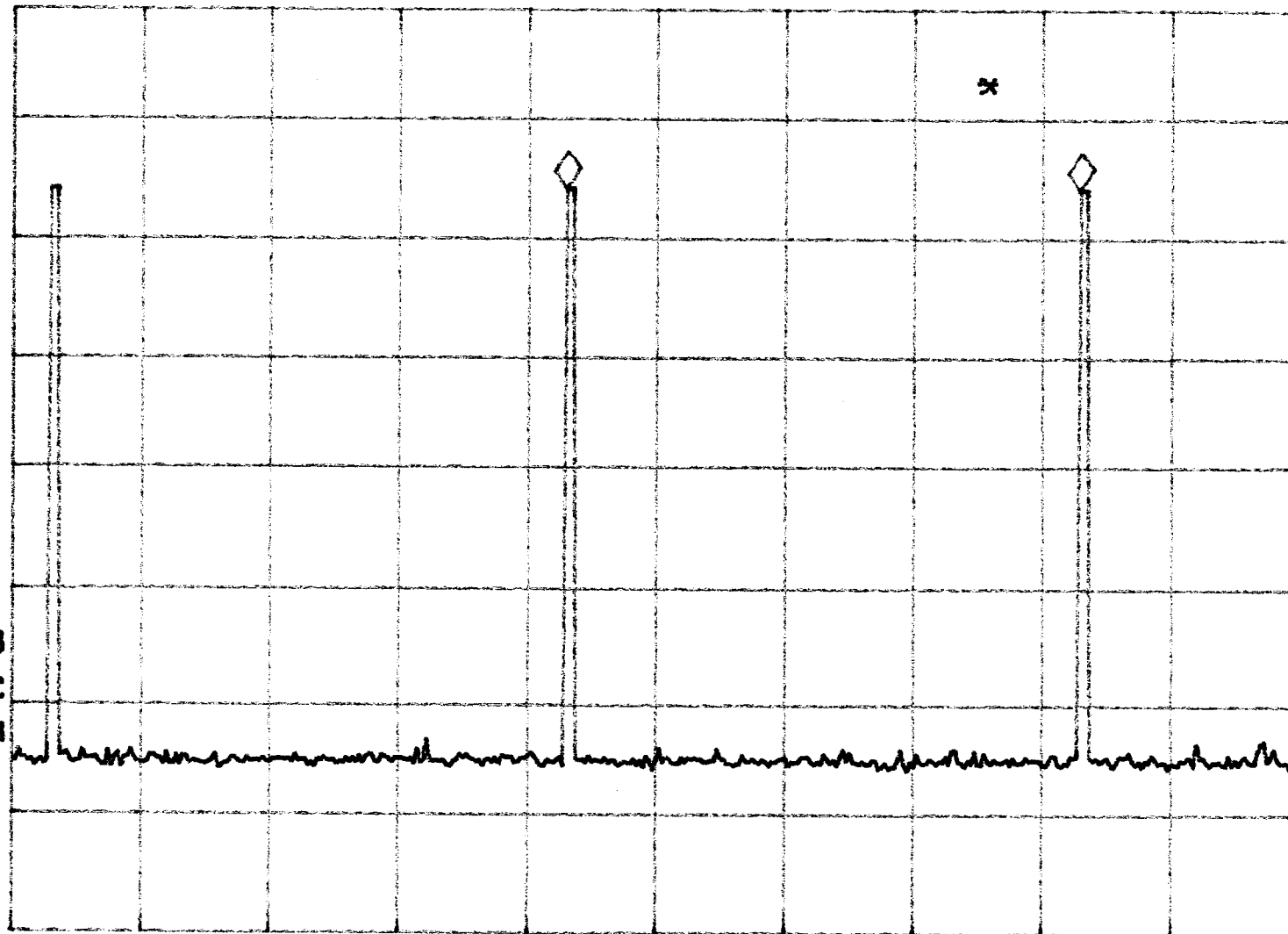
10

dB/

VA SB

SC FC

CORR



CENTER 433.958 MHz

#RES BW 100 KHz

#VBW 1 MHz

SPAN 0 Hz

#SWP 75.0 sec

hp

REF 97.0 dB μ V

AT 10 dB

MKR 375.00 msec

.00 dB

PEAK

LOG

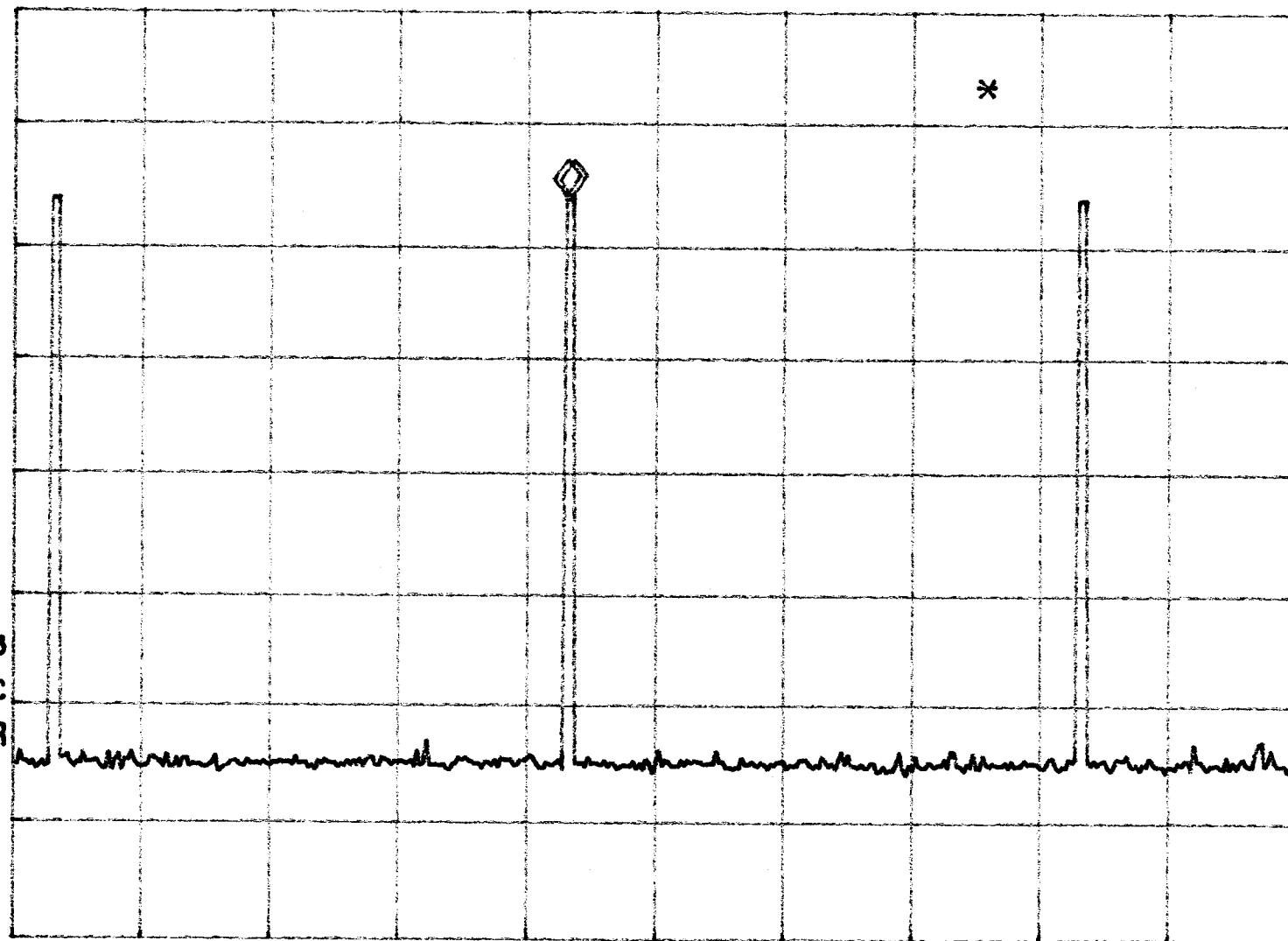
10

dB/

VA SB

SC FC

CORR



CENTER 433.958 MHz

#RES BW 100 KHz

#VBW 1 MHz

SPAN 0 Hz

#SWP 75.0 sec