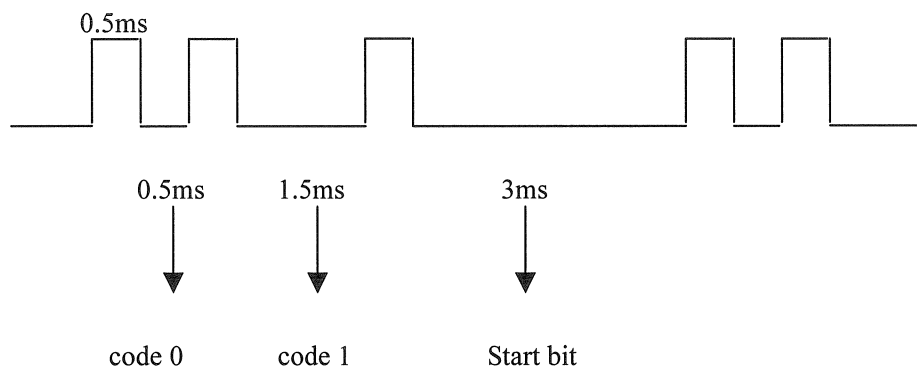


## Transmission format



Each transmission contained 14 data packets. Maximum duration per each transmission is around **0.57** second. Any two successive data packets received will be considered as a correct data.

### Data Packet

Each data packet consisted of one 3ms start bit and 25 Bits data

The transmit time interval was determined by Bit 2 and Bit 3

Bit2    Bit3

0    0    transmit interval 71sec.

Bit 0 ~ Bit 6 : Random ID, power on reset create 128 bits stochastic ID

Bit 7: Low power indicator: 1 → Full Battery; 0 → Low Battery

Bit 8 ~ Bit 9: Checksum

Bit 10 ~ Bit 11: Identify ID

Bit 12 ~ Bit 24: Data            (Temp/Humidity were represented by the data bit)

Worst case duty cycle =  $(0.5 * 26) / (3.5 + 1 * 25) = 0.45$

Average factor =  $20 \log (0.45) = -6.9 \text{ dB}$

0621113 (005f)

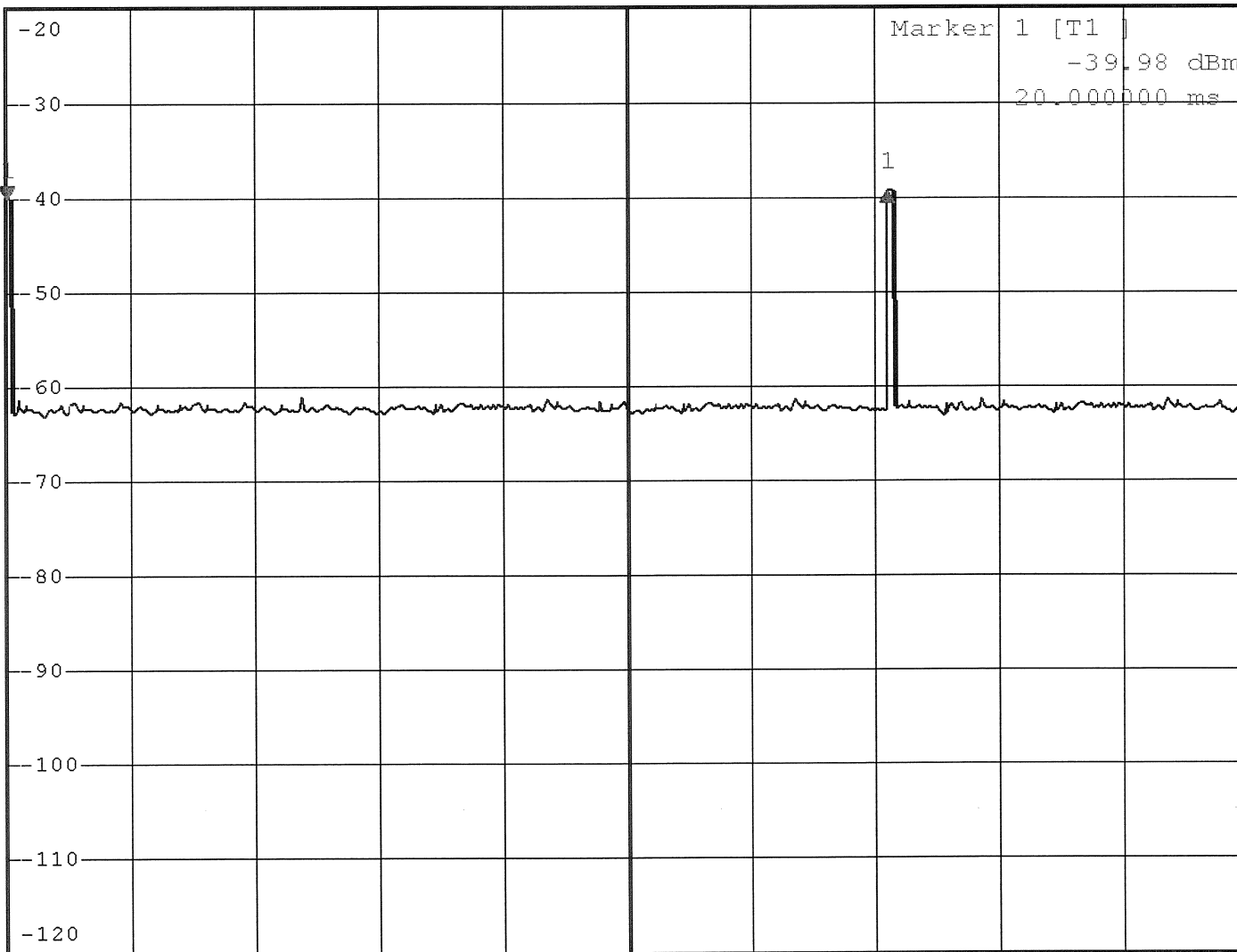


RBW 10 MHz    Delta 1 [T1 ]  
\*VBW 10 MHz                    0.61 dB  
SWT 100 s                        71.000000 s

Ref -20 dBm

Att 10 dB

1 PK \*  
CLRWR



Center 434.094 MHz

10 s/

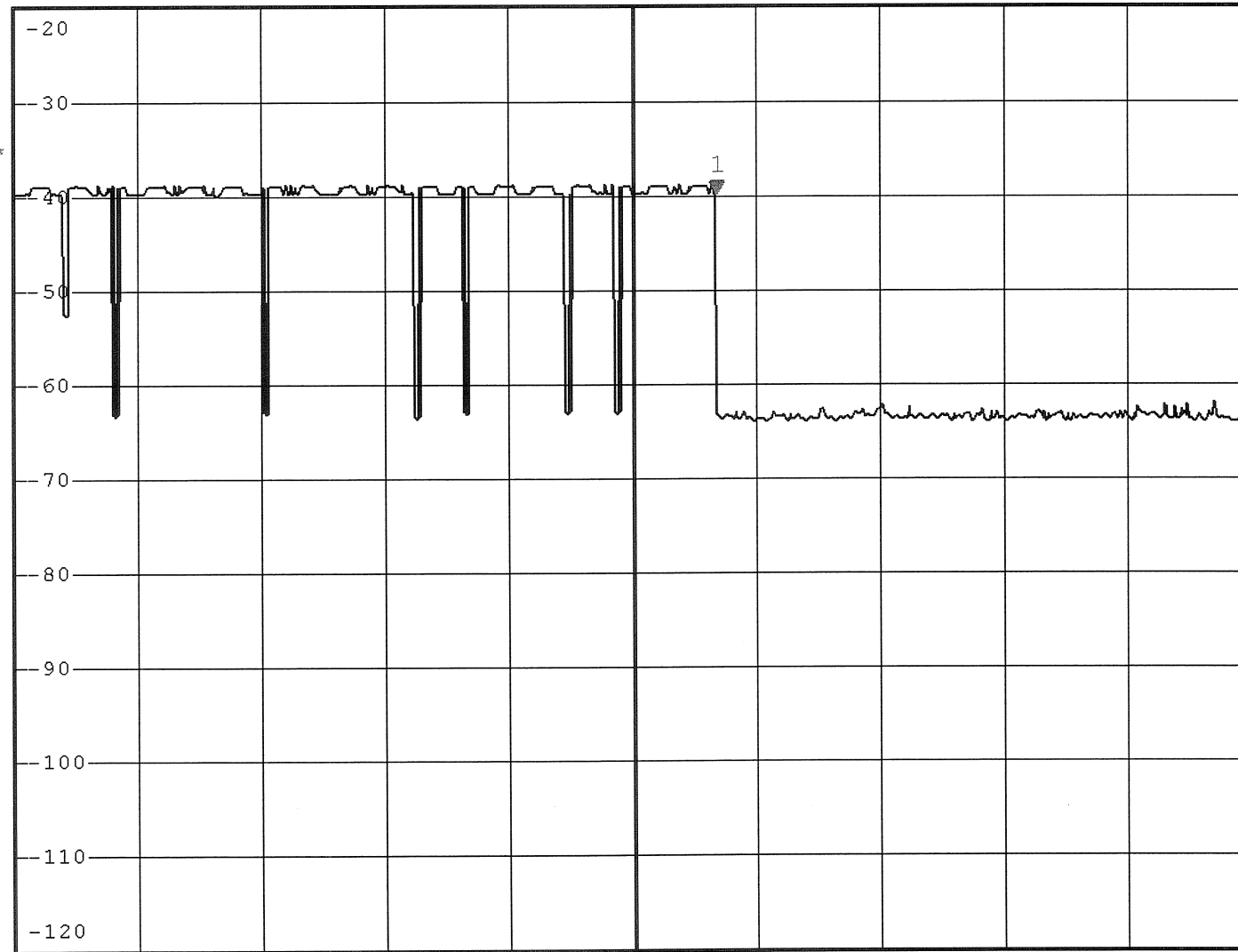


RBW 10 MHz    Marker 1 [T1 ]  
\*VBW 10 MHz                    -39.80 dBm  
SWT 1 s                            568.000000 ms

0621113 (0058)

Ref -20 dBm

Att 10 dB



Center 434.094 MHz

100 ms/