

Data Code format and the timing diagram of the 00739 system (REVISED)

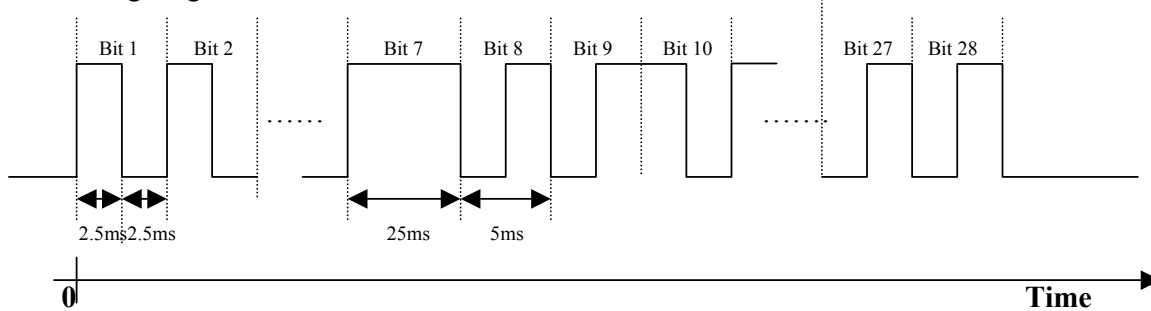
Time Interval of each bit : 5ms

Transmit time : 160ms

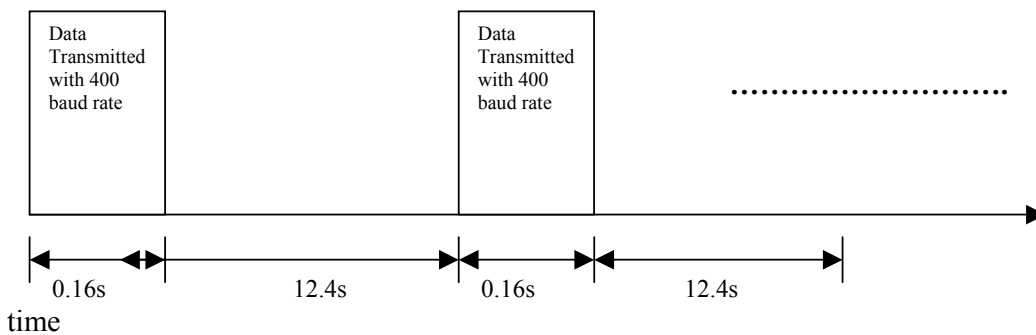
Detailed data code is shown below:

1st – 6th bits	Preamble
7th bit	Start bit
8th – 24th	Data
25th -27th	Checksum
28th	Stop bit

Timing diagram of the transmitted data



The data is transmitted every 12.4 seconds

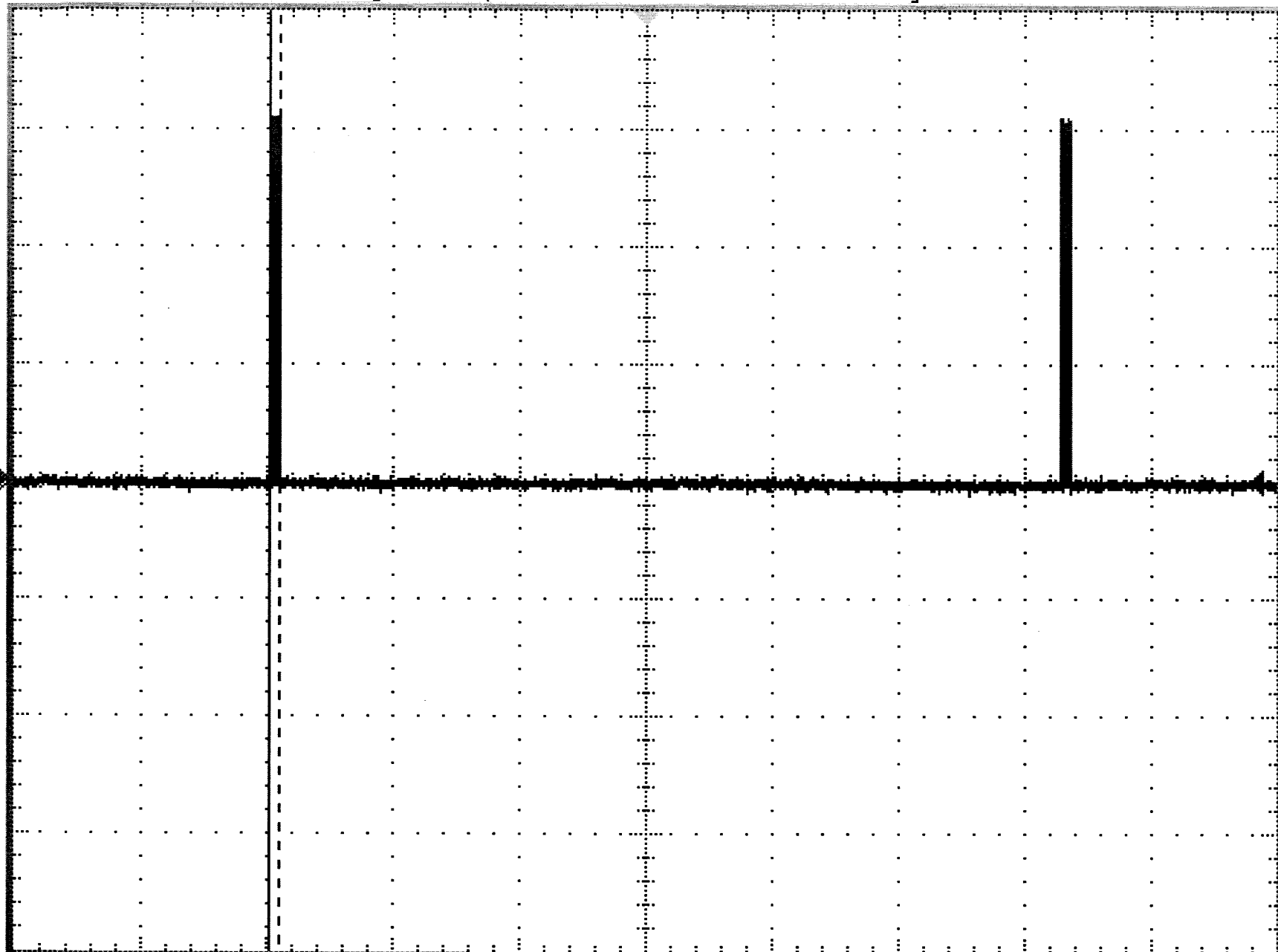


Worst Case :

$$\text{Duty Cycle} = (15 \times 2.5 + 25)/100 = 0.625$$

$$\text{Average Factor} = 20 \log (0.625) = -4.0\text{dB}$$

Tek Stop



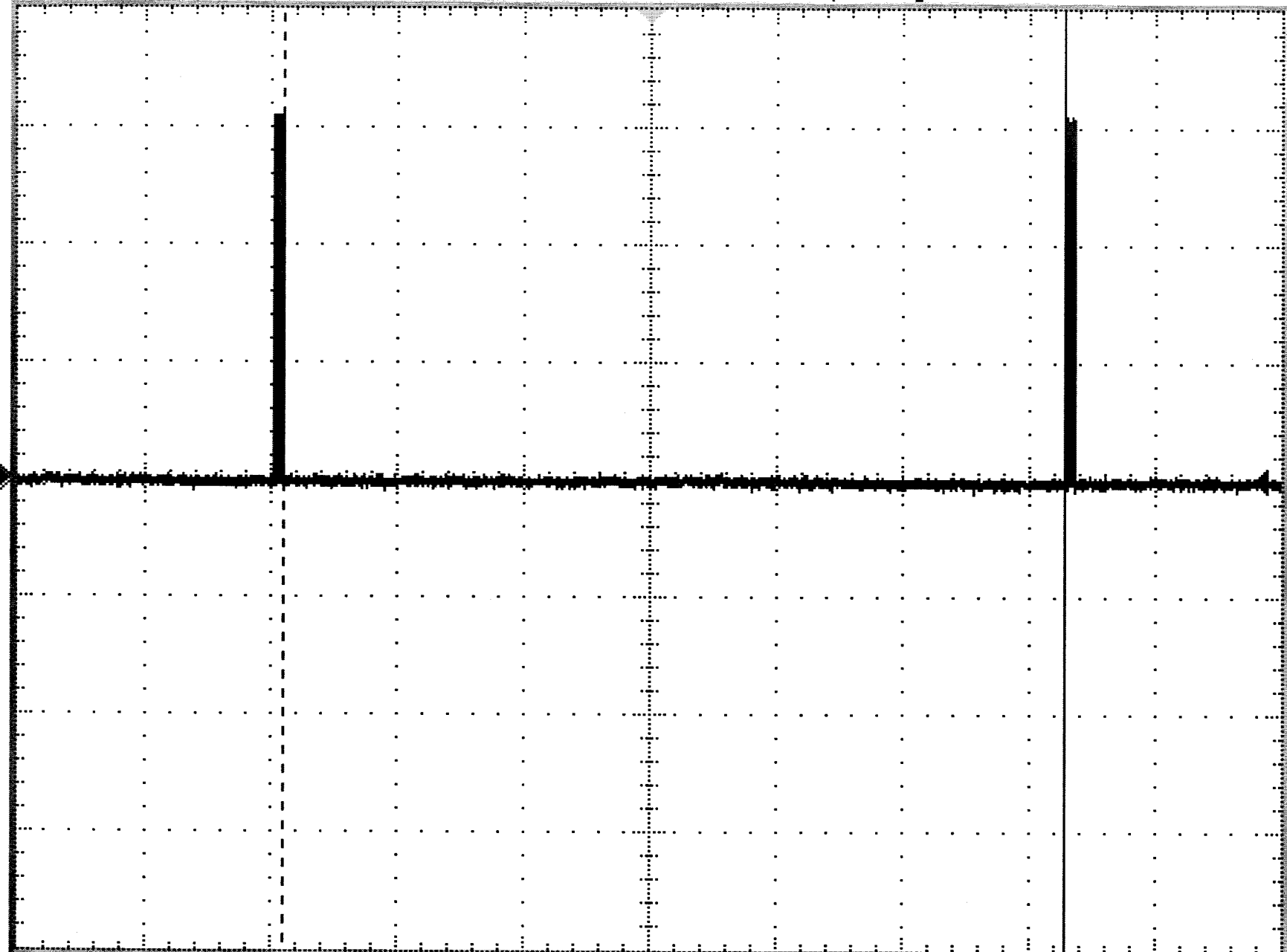
Δ : 40.0mV
@: 0.00 V
 Δ : 160ms
@: -5.96 s

Transmission
Duration

Ch1 1.00 V M 2.00 s A Ch1 0.00 V

26 Jan 2004
14:30:02

lek Stop



Δ : 20.0mV
@: -20.0mV
 Δ : 12.4 s
@: 6.56 s

Silent Period

Ch1 1.00 V M 2.00 s A Ch1 0.00 V

26 Jan 2004
14:29:42