Details of Data Frame Format:

11bits-syn bits: 00000000000_b

1bit-start bit: 1_b

3bits-Channel ID: Channel ID:

- Channel 1 (001_b)
- Channel 2 (000_b)
- Channel 3 (010_b)

11bits-temperature(Hex):

- Temperature range: $-50^0C \sim +70^0C$
- Oven $+70^0C$: 700_H
- Below -50^0C: 600_H
- $-50^0C \sim +70^0C$: Hex ($temperature_d + 500_d$)
  e.g. 25.5^0C => Hex(255_d+500_d)=>$2F3_H$

7bits-humidity(Hex):

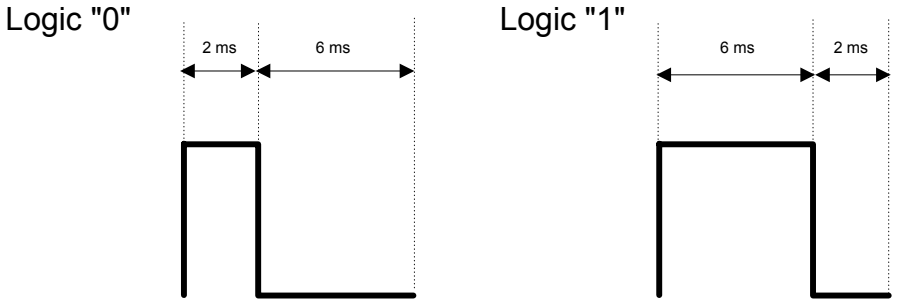
- Humidity range: 0%~100%
- Direct converts Dec to Hex value

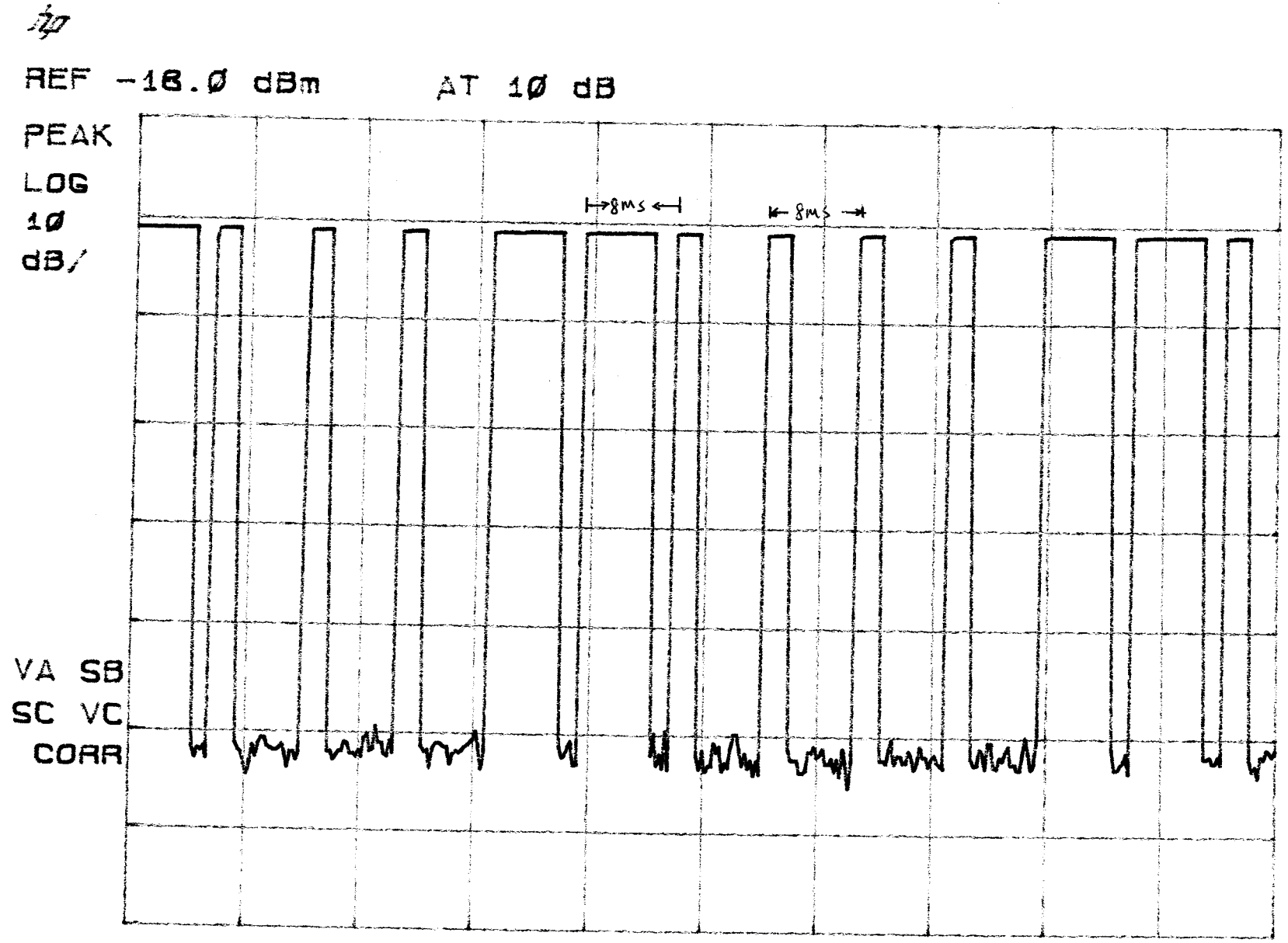
3bits- miscellanies (low battery): Bit 3 is low battery status, if this bit is 1, it indicate low battery now. If this bit is 0, it indicates enough battery now.

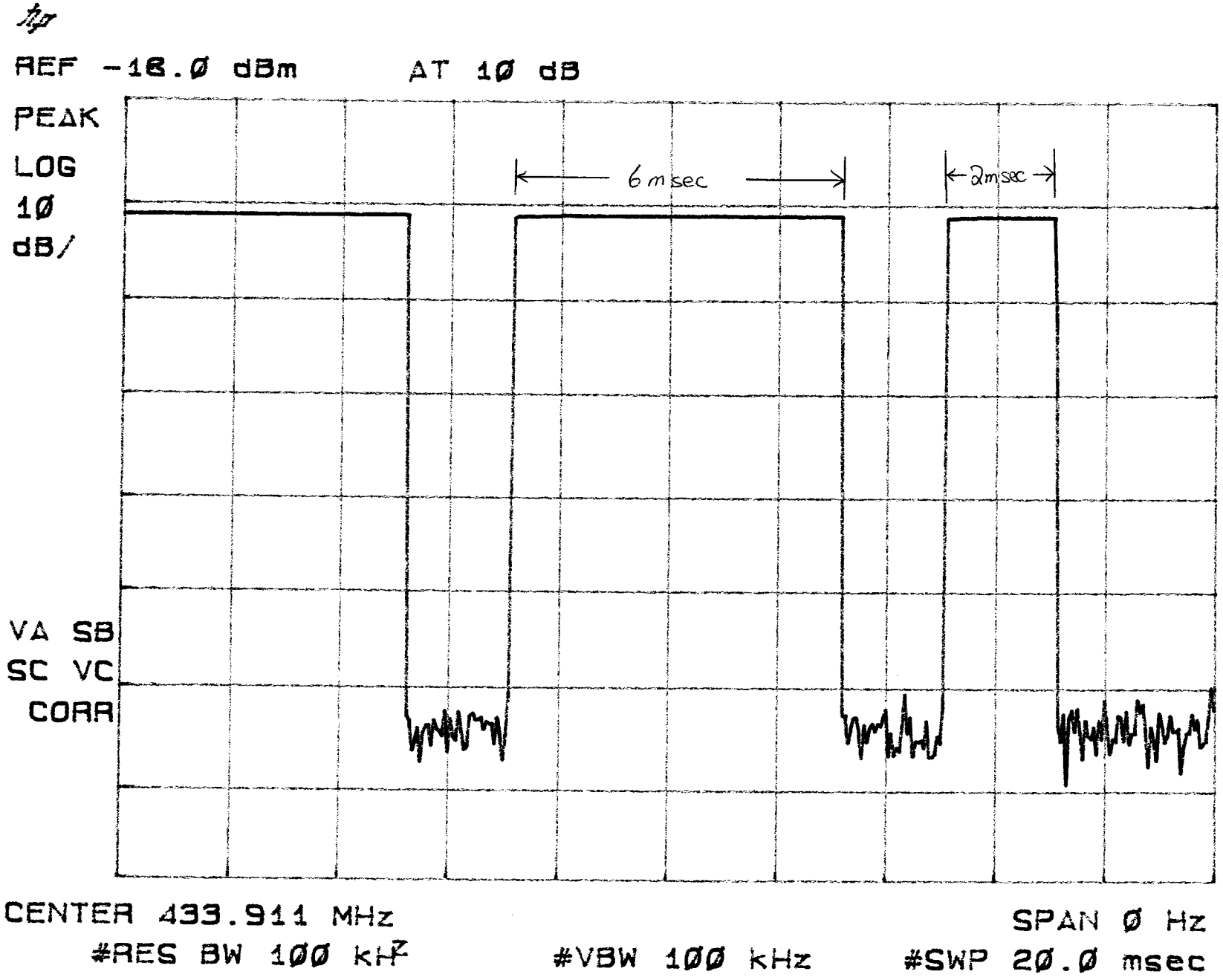
- Battery Enough: 000
- Battery Low: 100

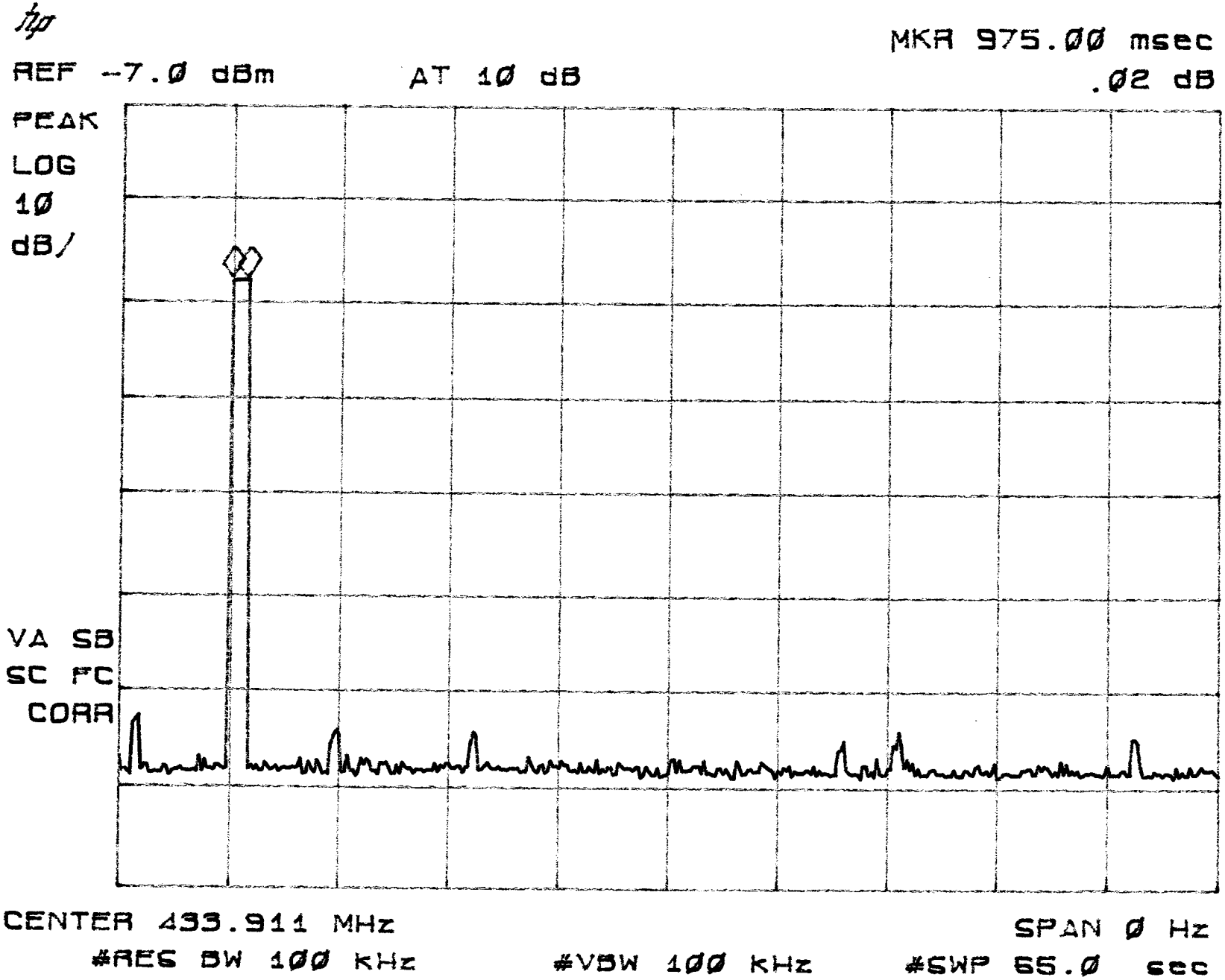
4bits-CRC check code: It is generated by P (x)=11001_b and data (3bits - Channel ID, 11bits – temperature (Hex), 7bits - humidity (Hex), 3bits – miscellanies)

Total number of bit is 40




REF -18.Ø dBm
AT 1Ø dB
PEAK
LOG
1Ø
dB/
8ms
8ms
VA SB
SC VC
CORR
CENTER 433.911 MHz
SPAN Ø Hz
#RES BW 1ØØ kHz
#VBW 1ØØ kHz
#SWP 1ØØ msec


REF -18.0 dBm
AT 10 dB
PEAK
LOG
10
dB/
6 msec
2msec
VA SB
SC VC
CORR
CENTER 433.911 MHz
SPAN 0 Hz
#RES BW 100 kHz
#VBW 100 kHz
#SWP 20.0 msec


hp
MKR 975.00 msec
REF -7.0 dBm
AT 10 dB
.02 dB
PEAK
LOG
10
dB/
VA SB
SC FC
CORR
CENTER 433.911 MHz
SPAN 0 Hz
#RES BW 100 kHz
#VBW 100 kHz
#SWP 65.0 sec