

DUTY CYCLE MEASUREMENT

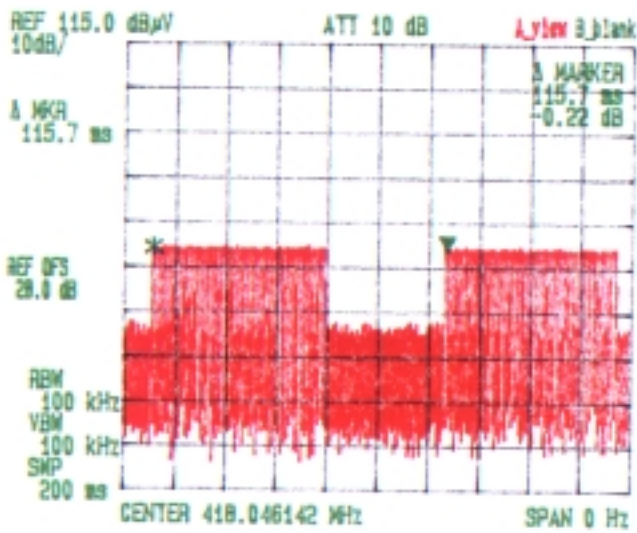
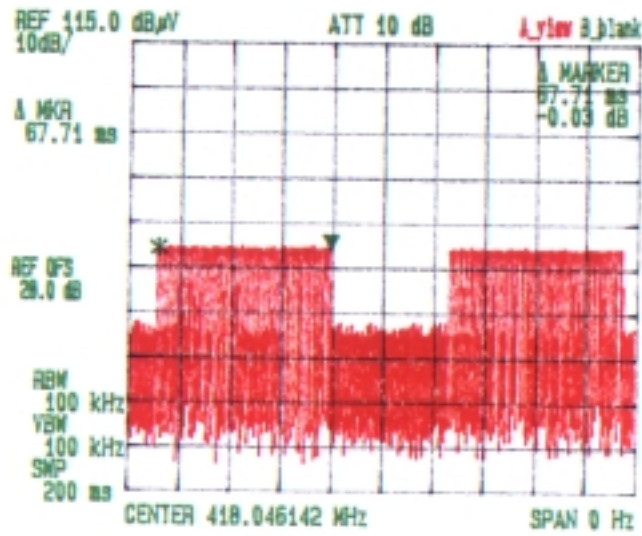
Date: March 23, 2001  
Tested by: Hung Trinh

Plot #1

CANSEC SYSTEMS LTD.  
CANSEC ACCESS CONTROL TRANSMITTER  
Tx Freq: 418.0 MHz  
DUTY CYCLE



$$\text{DUTY CYCLE} = \frac{T_{\text{ON}}}{T_{\text{ON}} + T_{\text{OFF}}} = \frac{67.71 \text{ ms}}{67.71 \text{ ms} + 100 \text{ ms}} = 0.68$$
  
$$20 \log(0.68) = -3.5 \text{ dB}$$



## 20 dB BANDWIDTH MEASUREMENT

