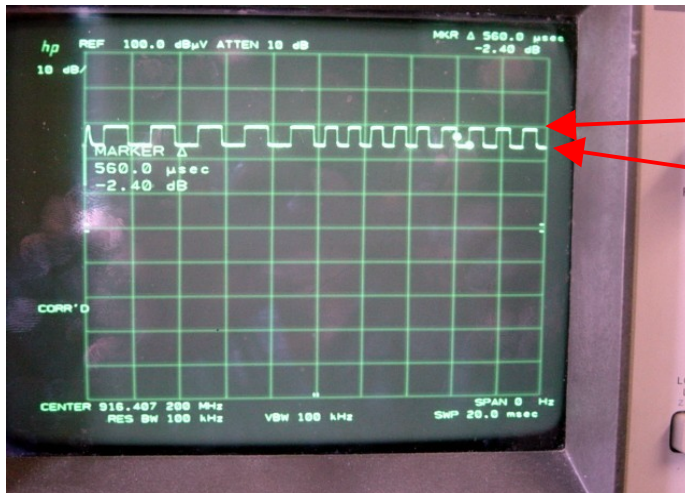


# CALCULATION OF DUTY CYCLE FOR TRANSMITTERS UTILIZING PULSED FSK MODULATION



(B) 100% AMPLITUDE SIGNAL

(C) REDUCED AMPLITUDE SIGNAL

(D) = AMPLITUDE OF (B)  
SIGNAL **MINUS**  
AMPLITUDE OF (C) SIGNAL

- A -	- B -	- C -	- D -
PULSE TRAIN (if < 100ms; if >100ms use 100)	TOTAL TIME AT 100% AMPLITUDE	TOTAL TIME AT REDUCED AMPLITUDE	AMPLITUDE DIFFERENCE BETWEEN THE TWO SIGNALS
1.0242084	0.951903808	0.072304592	11.28
(ms)	(ms)	(ms)	(dB)

AMPLITUDE PERCENTAGE OF F1 VS F2	EFFECTIVE TOTAL ON-TIME OF SIGNAL AFTER ACCOUNTING FOR AMPLITUDE DIFFERENCE	DUTY CYCLE	PEAK TO AVERAGE RATIO
0.272897778	0.971635571	94.87%	-0.46
%	(ms)	(%)	(dB)