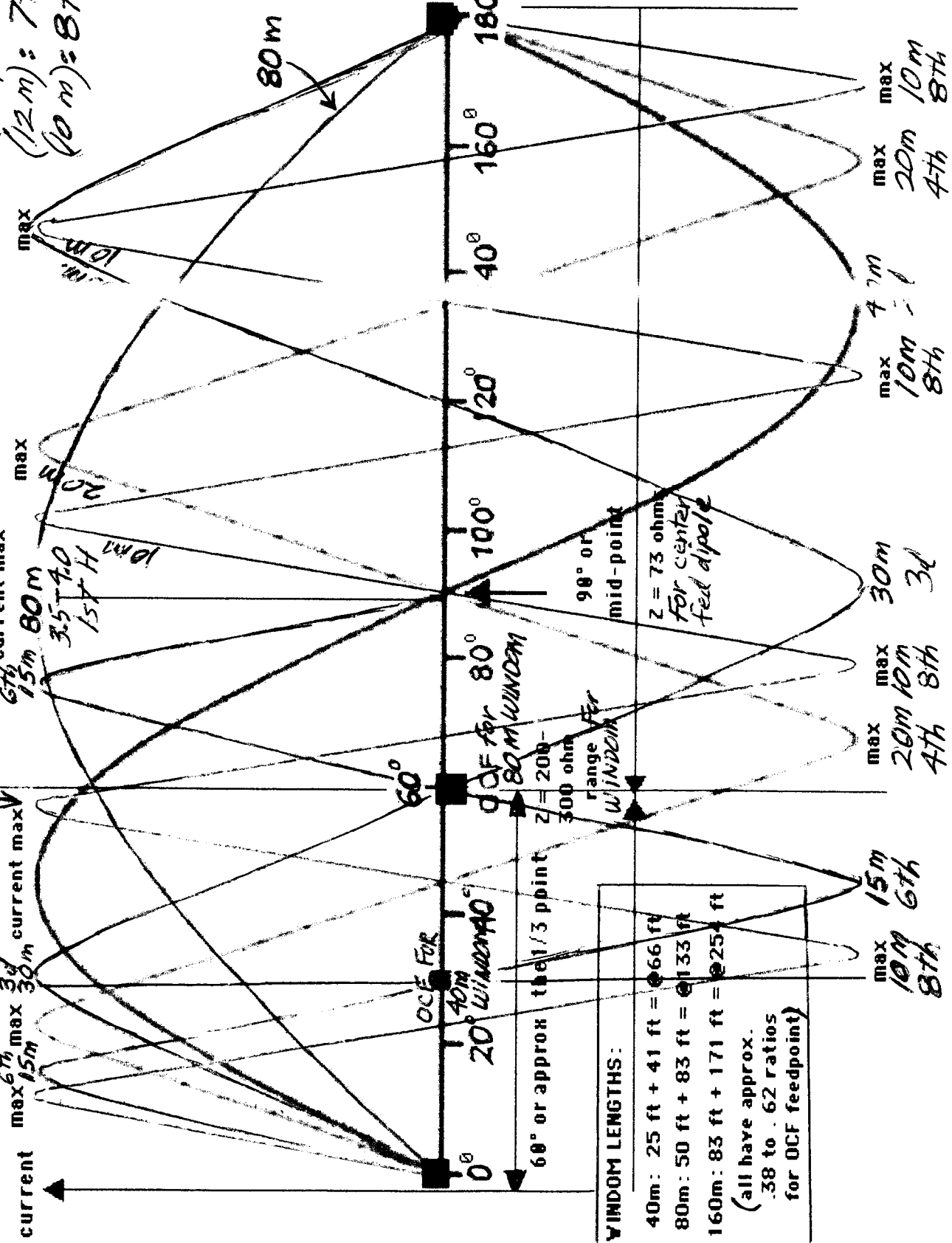


(15 & 30m curves are sketched-in and are approximate) HARMONICS OF 80M (3.5 MHz)

8th H 4th H 2d H 8th H  
 28-28.7 14-14.35 7-7.3 10m  
 10m 20m 40m  
 current max 15m 3d current max 30m

3.5 x 1 = 3.5 MHz (80m) = 1st HARMONIC  
 3.5 x 2 = 7.0 MHz (40m) = 2d HARMONIC  
 3.5 x 3 = 10.5 MHz (30m) = 3d HARMONIC  
 3.5 x 4 = 14.0 MHz (20m) = 4th HARMONIC  
 3.5 x 5 = 17.5 MHz (17m) = 5th HARMONIC  
 3.5 x 6 = 21 MHz (15m) = 6th HARMONIC  
 (12m) = 7th HARMONIC  
 (10m) = 8th HARMONIC

CENTER-FED DIPOLE CUT FOR 80M  
 6th current max 15m 80m  
 3.5-4.0 157 H



WINDOM LENGTHS:  
 40m: 25 ft + 41 ft = 66 ft  
 80m: 50 ft + 83 ft = 133 ft  
 160m: 83 ft + 171 ft = 254 ft  
 (all have approx. .38 to .62 ratios for DCF feedpoint)

68° or approx the 1/3 point  
 Z = 200-300 ohm range for WINDOM

98° or mid-point  
 Z = 73 ohms for center fed dipole

@ 133 FT for 80m WINDOM ANTENNA

max 10m 8th  
 max 20m 4th  
 max 30m 3d  
 max 40m 2d  
 max 15m 6th  
 max 10m 8th  
 max 15m 6th