

File Number: 0155-EX-PL-2003
Necessary Bandwidth for Specified Emissions

50H0A1A: $B(\text{maximum}) = 10$
 $K = 5$
 $B_n = B * K = 50 \text{ Hz}$

10H0F1D: This covers modes where the carrier frequency is shifted in discrete steps within $\pm 5 \text{ Hz}$ at no less than 10 second intervals. The bandwidth is 10 Hz.

50H0G1D: This is shaped BPSK keying of the carrier at a 10 Baud rate. The necessary bandwidth is essentially the same as A1A keying at the same Baud rate, which is 50 Hz.

All emissions will be confined to the frequency ranges granted. Each of these modes occupies a very small part of the frequency range, and the center frequency will be chosen to minimize interference at the time of any operation.

Signed: John K. Andrews
Date: July 25, 2003