

FCC File No 0438-EX-ST-2009

Necessary Bandwidth

Per NTIA Manual of Regulations and Procedures, Annex J

$$B(-20\text{dB})=6.36/t$$

B is the necessary bandwidth in MHz

t is the pulse width in us

This equation yields $B(-20)=6.36/0.5=12.72\text{MHz}$