

Attachment to submission ref STA File # 0310-EX-ST-2002 [Reference Number: 2198]

NECESSARY BANDWIDTH DESCRIPTION

We have calculated the necessary bandwidth following the formula suggested for an unmodulated pulse emission.

$$B_n = 2K/t$$

Assuming a triangular pulse with $t \sim t_r = 1 \times 10^{-9}$ secs; $K=1.5$

$$B_n = 3\text{GHz}$$

We believe this is the most appropriate calculation for our system.

If you require further information, please contact Dr Tony Farmer.