

$$\begin{aligned}
 M_j = J/S &= (\text{Jammer level})/(\text{Signal level}) = \\
 &= (-46.61 \text{ dBm}) - (-37.28 \text{ dBm}) = -9.41
 \end{aligned}$$

$$\begin{aligned}
 G_p &= (S/N)_o + M_j + L_{\text{sys}} \\
 &= (19.5 \text{ dB}) + (-9.41 \text{ dB}) + (2 \text{ dB}) \\
 &= 12.17 \text{ dB}
 \end{aligned}$$