



Cel-Fi P34-2/4/5/12 MSCL Calculation

The MSCL for the Cel-Fi P34-2/4/5/12 is calculated per the formula in Annex B3 in KDB 935210. Using this formula, the MSCL for the high band frequencies is

$$\begin{aligned} L_p &= 20 \log(f) + 20\log(d) - 27.5 \\ &= 20 \log(1850) + 20 \log(1) - 27.5 \\ &= 38\text{dB} \end{aligned}$$

For the low band frequencies, the MSCL is

$$\begin{aligned} L_p &= 20 \log(f) + 20\log(d) - 27.5 \\ &= 20 \log(884) + 20 \log(1) - 27.5 \\ &= 31\text{dB} \end{aligned}$$