```
KSN- TestB
Ps = 100 Bm F = 140B
GH = 5dB
Gr = 3dB
SNR = 10dB
B' = 100kH2 -> B = 10 log (B') = 50dB
n = - 204 dBW /Hz = - 174 dBm / Hz
No = 7: B'
No = 70+B = - 174 dBm/Hz + 50dB = 124 dBm
                                                                           A : 2F
                                                     .Pegelplan
  Ps GT Streche Gr F
Ps + GT - PLFS + GT - F - SNR = No
Ps + Gt + Gr - F- SNR - No = RFS
10 dBm + 5dB + 3dB-14dB-10dB +124 dBm = 118dB = PLFS ... Maximale Freifeldelamptions
PLSE = PLES - G. - Gr = 118dB- 508 - 3dB = 110dB
                                                                          BI
10 \log \left(\frac{\lambda^2}{(4\pi i)^2}\right) = 20 \log \left(\frac{\lambda}{4\pi i}\right) = P_{LFS}
                        \frac{\lambda}{4\pi} = 10^{\frac{\rho_{LFS}}{20}}
                         rac{\lambda}{1} = \frac{\lambda}{u_{\text{Tir}}} \cdot 10^{-\frac{1}{20}} = 21.8 \text{ km}
```