

Subject: Noise Floor 39GH and 28GHz with 14MHz BW

Jas:

we calculated the theoretical noise floor of the 39GHz radios with a 14MHz and 12.5MHz channel bandwidth.

Noise Floor = $-174 + NF + 10 \log BW = -174 + 10 + 10 \log 14,000,000 = -92.538 \text{ dBm}$

Noise Floor = $-174 + NF + 10 \log BW = -174 + 10 + 10 \log 12,500,000 = -93.031 \text{ dBm}$

Noise Floor = -93 dBm