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EIN

Equivalent Input Noise, 가

, Gain

150Ω

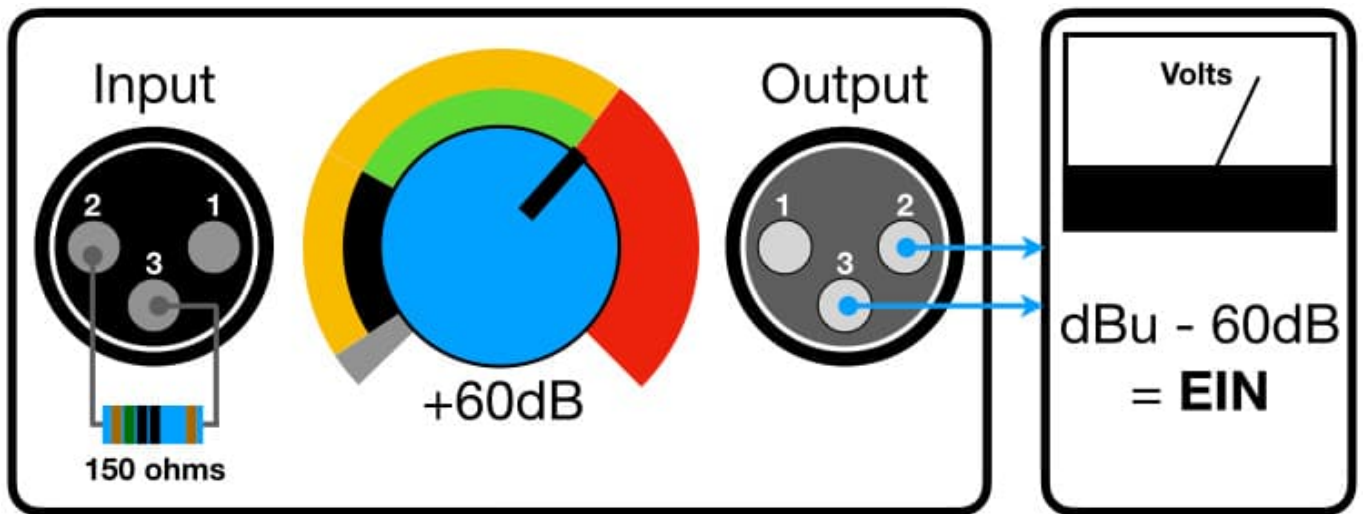
가

가가

가

EIN

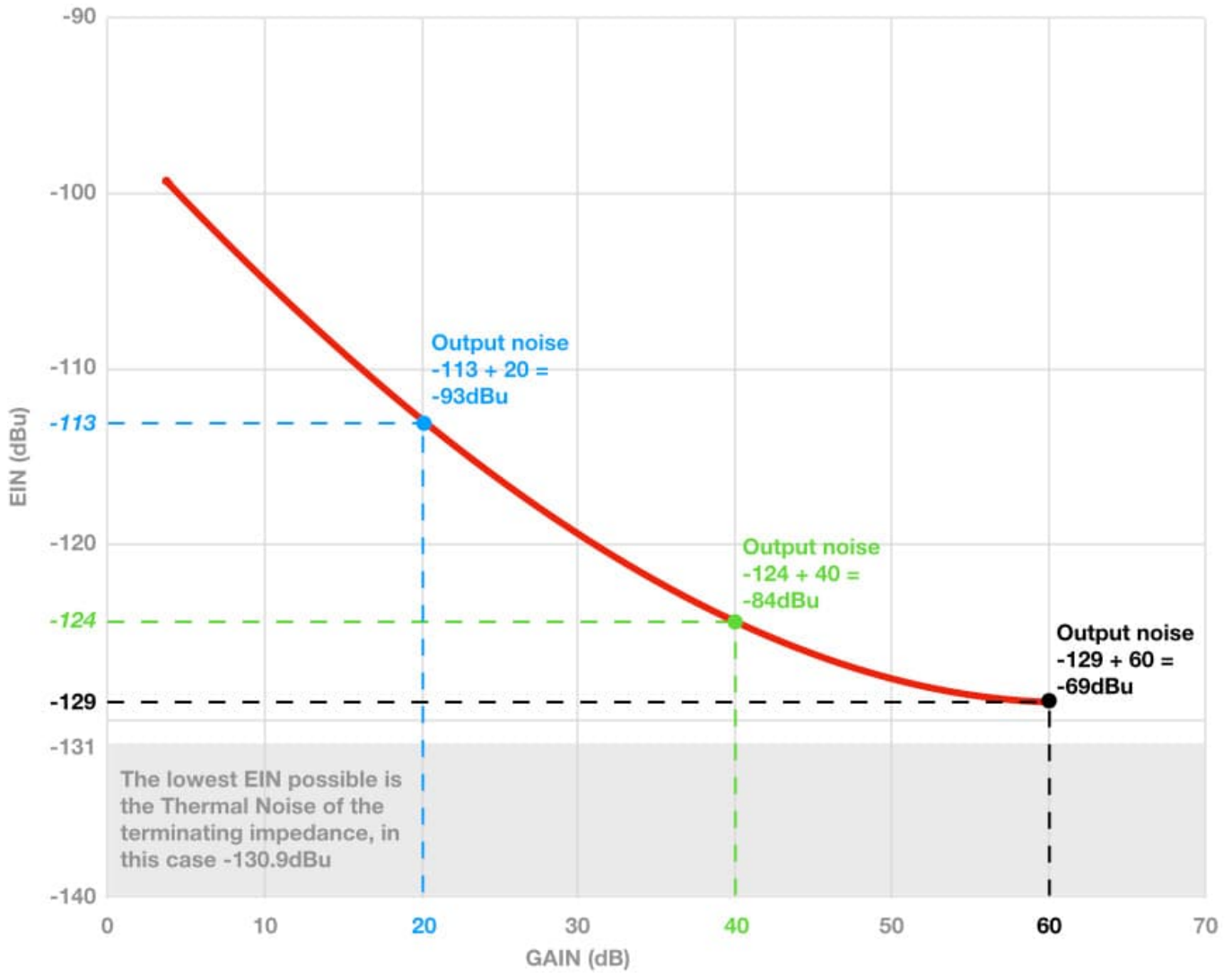
133dB



, EIN 가

Self-noise,

Gain



EIN

EIN

가
60dB

가
-69dBu

가
20dB

가
-93dBu,

SNR

- +4dBu 20dB 24dBu -93dBu
 - +4dBu 60dB 64dBu -69dBu
- SNR 117dB
- SNR 133dB

가 SNR 가

Self-noise

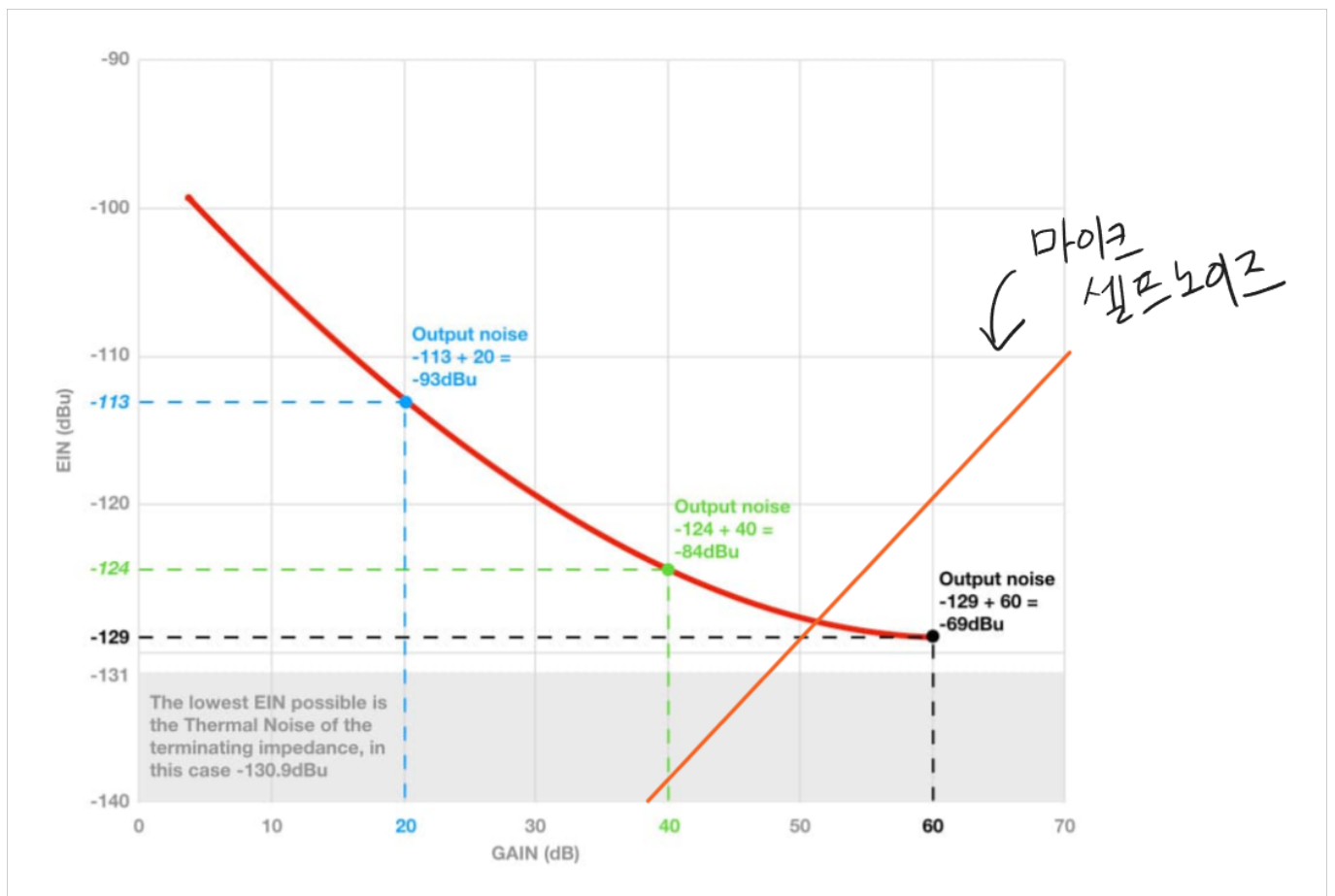
가 16mV/Pa 가 10dBA Self-noise 가

-118dBu

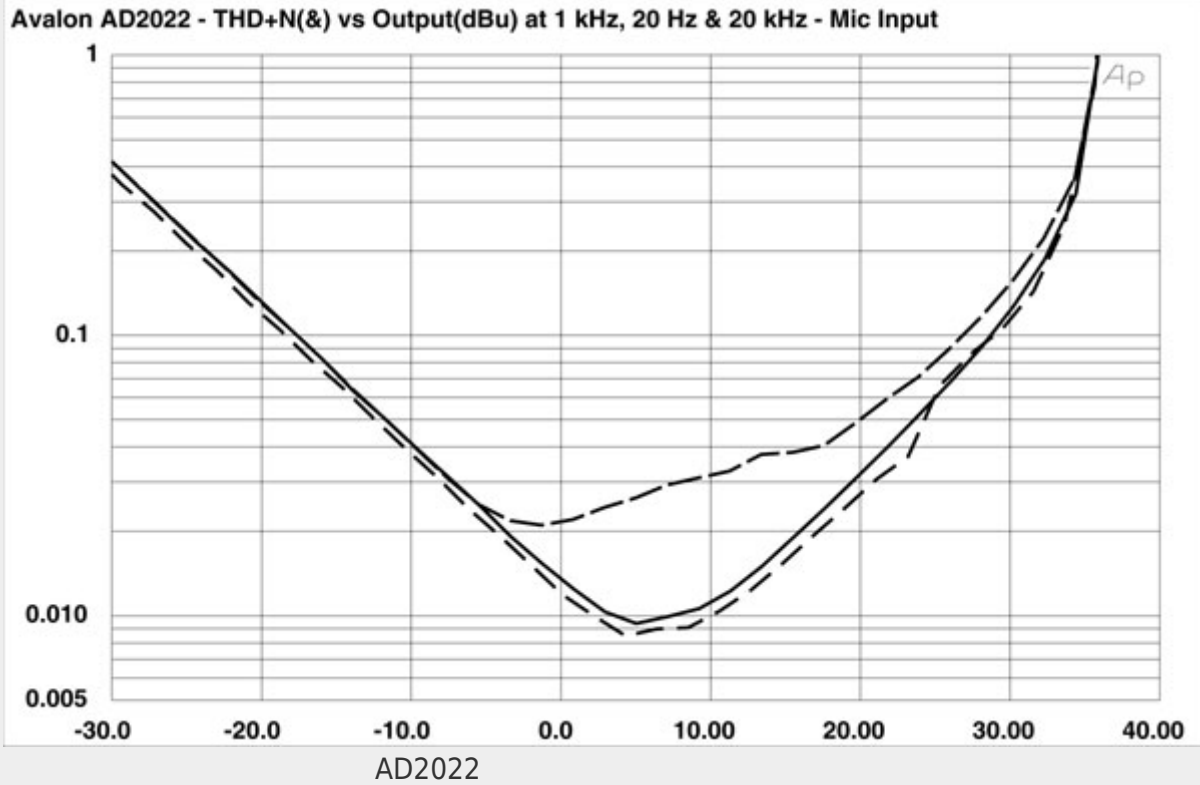
- -118dBu 가 20dB EIN
-93dBu , -98dBu ,
가 5dB .
- -118dBu 가 60dB EIN
-69dBu , -58dBu ,
가 9dB .

EIN

Sweet Spot



1)



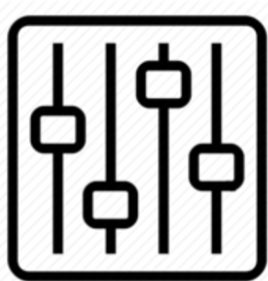
가

- 26dBu 가 26dBu A/D ,
- 26dBu 가 6dBu A/D , A/D
20dB 가 가 20dB 가
EIN

Reference

- <https://www.audiotechnology.com/tutorials/microphones-noise-1>
- <https://www.audiotechnology.com/tutorials/microphones-noise-2>

1)



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