

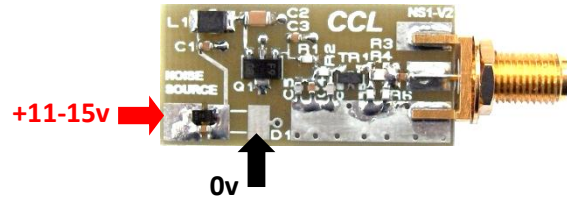
Receiver sensitivity test source

RXGen

2MHz to 2400MHz

Features

- precision noise source with flat output against frequency
- use supplied graphs to determine the sensitivity of your receiver
- covers all ham bands from top band through 2.3GHz
- 11v – 15v DC drive with reverse polarity protection
- stable reference source for your experiments, 10dB ENR +/-0.5dB
- excellent VSWR noise on or off, <1.15:1 across the operating band



Applications

- amateur radio and radio astronomy noise figure measurements (+/-0.5dB)
- HF to microwave receiver sensitivity measurements

Electrical specifications at 20°C

| model | Frequency (MHz) | | ENR (dB) | | 50 Ω VSWR | DC power | |
|-------|-----------------|------|----------|------|-----------|-------------|-------------------|
| | min | max | min | max | max | Volt | Current mA max |
| RXGen | 2 | 2400 | 9.5 | 10.5 | 1.15:1 | 11.0 - 15.0 | 9.0 |

Continental Compliance Ltd

Registered in England and Wales No 02856093

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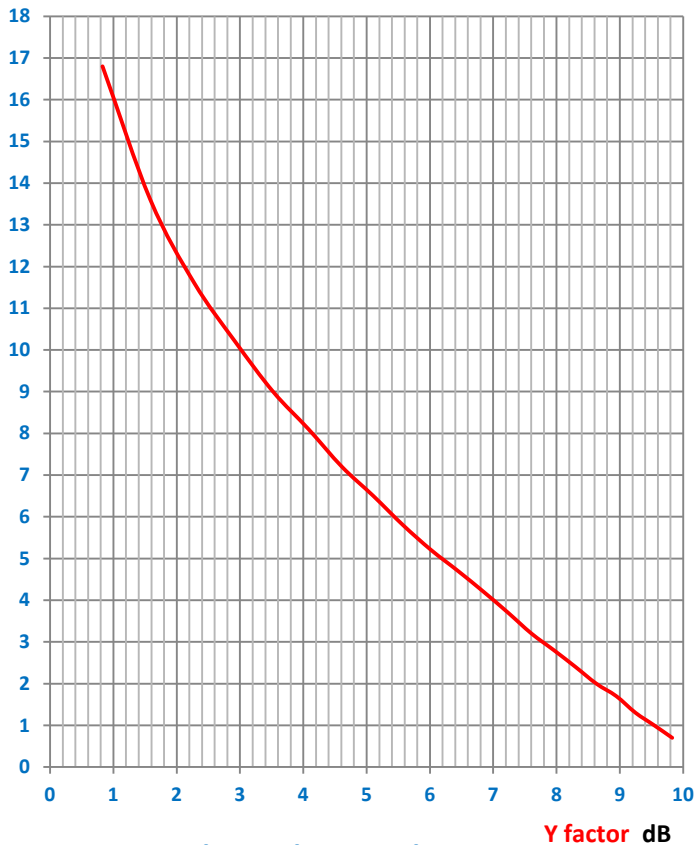
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RXGen application notes available at www.g8fek.com

RXGen Rev 1A5

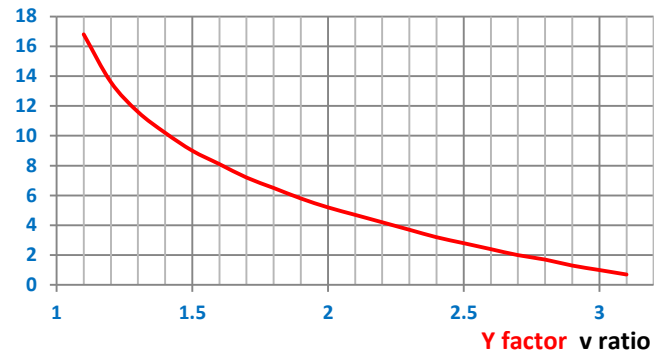
NF dB

RXGen - NF & Y factor (dB)



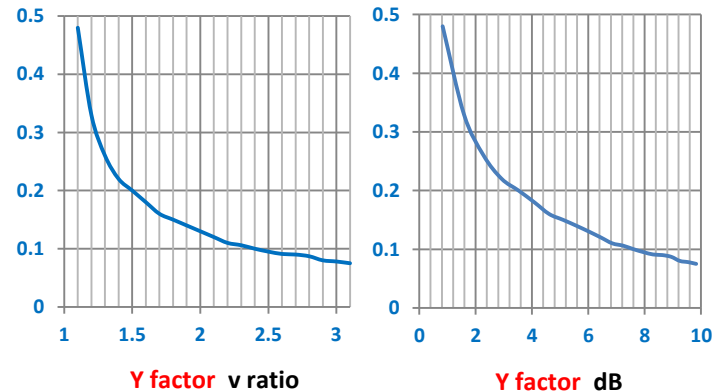
NF dB

RXGen - NF & Y factor (voltage ratio)



RXGen - uV PD for 10dB S/N in 2.4kHz

uV PD



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