

Features

- Stable 2 MHz ... 2400 MHz noise source 10dB ENR +/-0.5dB (-104dBm/MHz)
- VSWR <1.15:1 noise on or off (RL >23dB); Pulse mode at 5Hz
- High gain VLNA with <1dB NF to 1420 MHz and <2dB at 2.4GHz
- Professional grade performance with flat noise source and LNA frequency response



Applications

- Preamplifier and transverter sensitivity peaking, noise figure (+/-0.5dB) and gain measurements
- Precise noise figure peaking using the pulsed noise mode
- Ultrahigh sensitivity testing, reduce your spectrum analyser noise floor below -170dBm/Hz with the flat high gain VLNA
- Noise source plus VLNA provide a flat power source ... tracking generator substitute
- Two port response sweeping of amplifiers, filters and cables

Electrical specifications at 20°C

model	Frequency (MHz)		ENR (dB)		50 Ω VSWR	Pulse mode (Hz)	Gain	Noise figure	DC power	
	min	max	min	max	max				Volt	Current mA max
SAT1			(-0.03dB/°C)						11.0 – 15.0	170
SAT1 noise source	2	2400	9.5	10.5	<1.15:1	5				
SAT1 VLNA	30	2000					32dB +/-2dB 25dB @ 2.4GHz	<1dB <1420MHz <2dB @ 2.4GHz		

Continental Compliance Ltd

Registered in England and Wales No 02856093

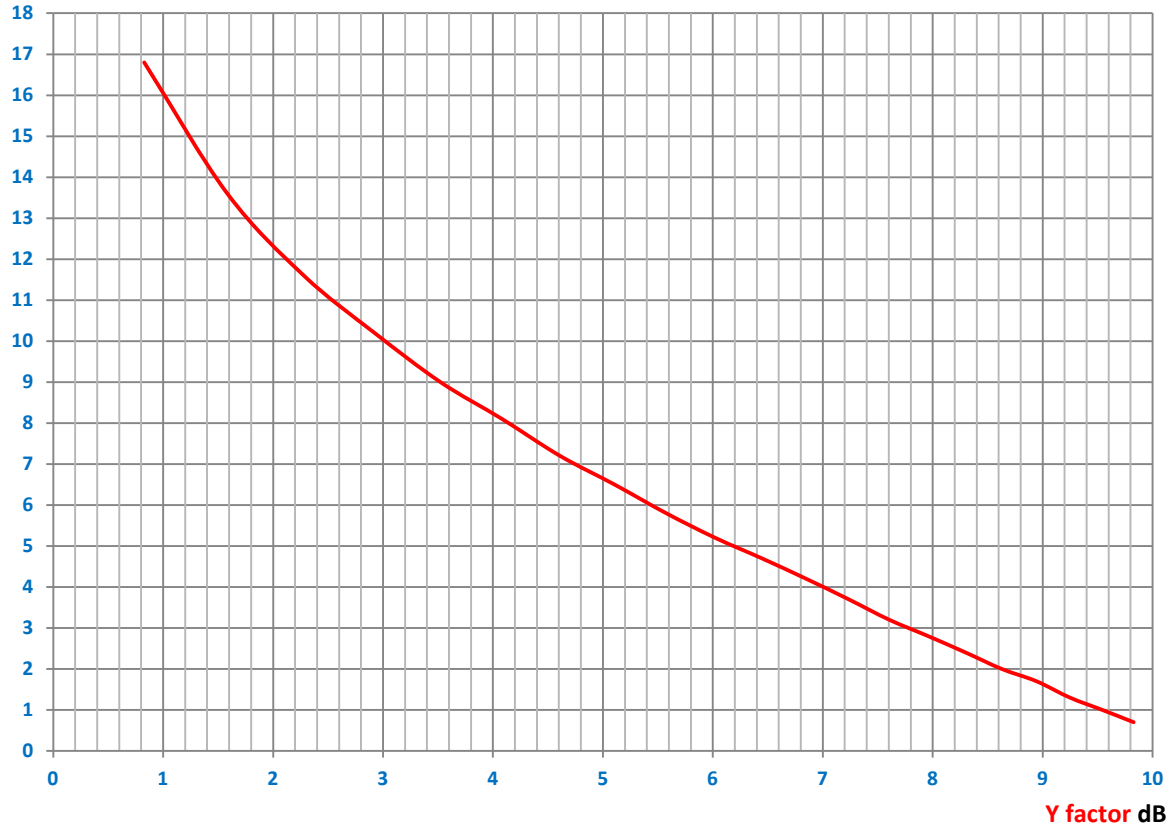
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Please visit www.g8fek.com for SAT1 application notes

NF dB

SAT1 10.0 dB ENR - Noise Figure & Y factor (dB)



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