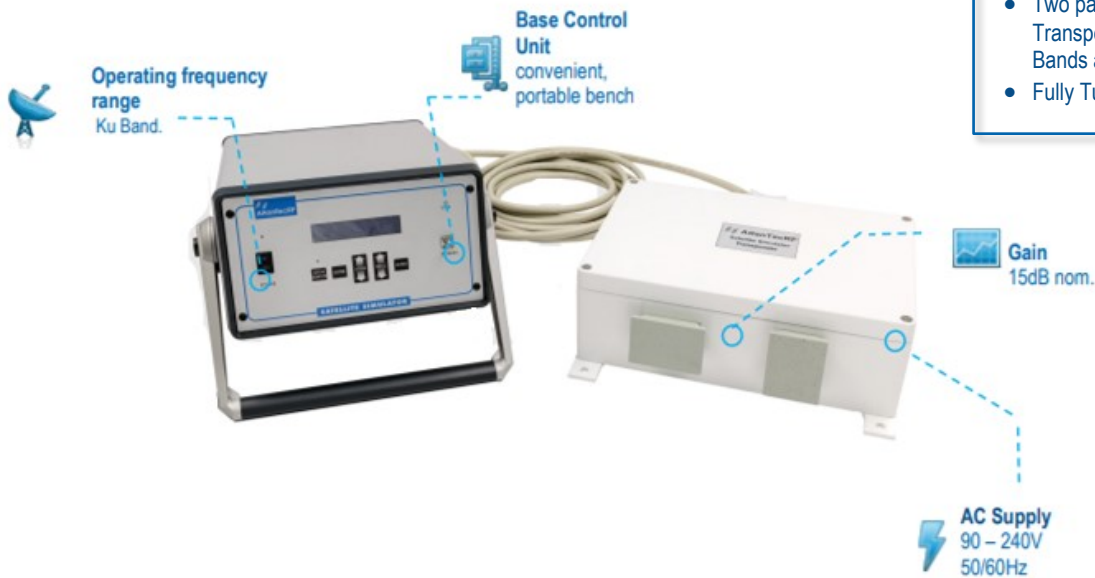


Ku Band SNG Satellite Simulator

The SNG series of Satellite Simulator Systems is designed to provide a loop-back test for vehicle mounted Ku Band antennas without the need to access the satellite.

- Tests SNG Systems Off Satellite
- Covers all Ku Band SNG Frequencies
- Depot Based or Portable
- Easy and Quick Operation
- Ethernet and Local Controls
- Two part – Base Unit & Transponder • Other Satellite Bands also available
- Fully Turnkey



General Specification

RF input Frequency (Horizontal Pol)	14.00 to 14.5GHz
RF Output Frequency (Vertical Pol)	10.7 to 12.75GHz
LO Frequency	1.75 to 3.3GHz
LO Step Size	25MHz
LO Stability over -10+50C	+/- 0.05ppm
Signal Related Spurious	-25dBc typ.
Non - Signal Related Spurious	-60dBc typ.
LO Related Spurs and Harmonics	-30dBm typ.
Antenna Gain, Tx and Rx	15dB nom
RF Path Loss (exc Antennas)	0dB nom.
Attenuation Control	0-60dB, 0.5dB step
RF Output Monitor via SMA Female	-25dB nom.
Control and Monitoring	Local (Base Unit) or Remote Ethernet
AC Supply via IEC Connector	90 – 240V, 50/60Hz
Interconnect Cables Supplied (Between Units)	Data / Power RF Monitor



LO Phase noise dBc/Hz (typical)	
100Hz	-77
1KHz	-95
10KHz	-100
100KHz	-100
1MHz	-125
Environmental	
Operating Temperature	-10 to +50C
Power	
AC Supply via IEC Connector	90 – 240V, 50/60Hz to 90 – 240V, 50/60Hz
Physical	
Dimensions	Base Unit - Inches (mm) W10 (255) x H5.7 (145) x D12.6 (320) Transponder - Inches (mm) W13 (330) x H4.5 (115) x D9 (230)
Accessories Supplied	AC Power Cord RF Cable to connect to Spectrum Analyser SMA Torque Wrench Operating Manual

Options: SS01 Two Part Option - Ethernet Only SS02 Internal Battery Charger 100-240V, 50/60Hz input SS03 Switchable Internal 10MHz OCXO Reference (Frequency Stability, +/-0.05ppm over 0 to +50C, +/-0.1ppm per year) SS04 LCD Display and Digital Attenuator (Ethernet Control). SS05 Linear Polarisation Antenna SS06 Circular Polarisation Antenna SS07 One Part Option - Ethernet only

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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