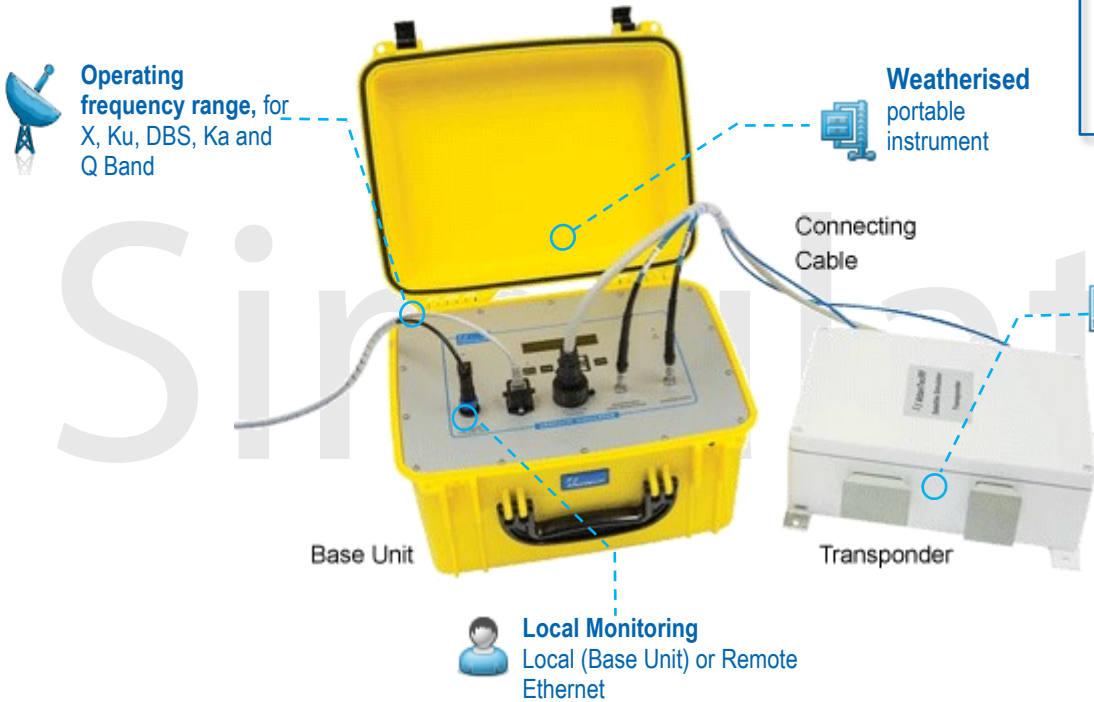


## Ruggedised Satellite Simulator

The RSS Series of Ruggedised Satellite Simulator Systems is designed to provide a loop-back test for Satcom terminals without the need to access the satellite.

- Off-Satellite System Test
- Models for X, Ku, DBS, Ka and Q Band
- Linear and Circular Polarisation Options
- Transportable and Weatherproof
- Easy and Quick Operation
- Ethernet and Local Controls
- Two part – Base Unit & Transponder
- Fully Turnkey



General Specifications	
LO Step Size	25MHz
LO Stability over -10+50C	+/- 0.05ppm
Signal Related Spurious	-25dBc 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, 1.0dB 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

### 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.

Environmental	
Casing	Weatherised
Operating Temperature	-10 to +50C
Power	
Power	variety of Tx power levels
Physical	
Size exc. connectors etc: Base Unit - inches (mm)	W14.9 x H12.13 x D9.58 (380) x (310) x (245)
Transponder - Inches (mm)	W13 x H4.5 x D9 (330) x (115) x(230)
Interconnect Cables Supplied (Between Units)	Data / Power RF Monitor
Accessories Supplied	AC Power Cord RF Cable to connect to Spectrum Analyser SMA Torque Wrench

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.

