

GENUS Satellite Simulator Summary

Satellite Simulators (Sat Sims) are designed to emulate the function of a satellite for the purposes of testing ground equipment without taking up valuable and expensive time with a real satellite. Sat Sims can incorporate a series of Test-Loop Translators (TLTs) along with antennas to receive satellite uplink signals, convert to the required downlink band and retransmit back to the test site.



Chassis

- Variable Attenuation
- Multiple Frequency Bands
- C-Band
- X-Band
- Ku-Band
- Ka-Band



Model Number	Module Type		Input Frequency	Output Frequency
GNS-SS-4-13158-S5	Quad Band	C-Band	5.85—6.425 GHz	3.625—4.2 GHz
		X-Band	7.9—8.4 GHz	7.25—7.75 GHz
		Ku-Band	13.25—14.5 GHz	10.7—12.75 GHz
		Ka-Band	27.5—31.0 GHz, across 4 modes	17.3—21.2 GHz, across 4 modes
GNS-SS-3-13003-S5	Tri Band	X-Band	7.9—8.4 GHz	7.25—7.75 GHz
		Ku-Band	13.25—14.5 GHz	10.7—12.75 GHz
		Ka-Band	27.5—31.0 GHz, across 4 modes	17.3—21.2 GHz, across 4 modes

Note: 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.