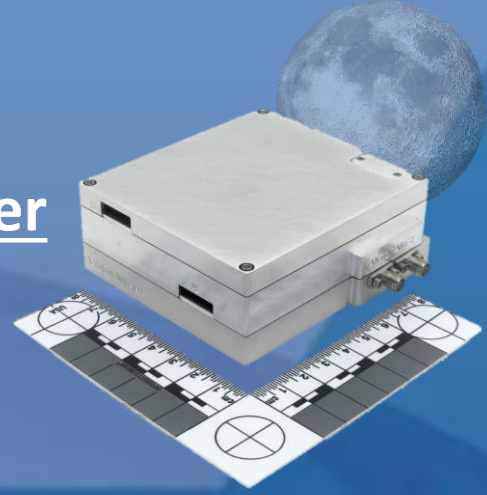


NSR-SDR-S/S-NEN Transceiver



Features:

- Coherent turn around ranging
- 4.0Watts RF Transmit Power
- Full Duplex with integrated diplex filter and antenna switch internal
- NASA NEN DTE, SN, PN Ranging, Crosslink, AWS, SSC Space (USN), K-Sat, TDRS-MA Network Compatible, Proximity-1, Others

Specification	Value	Comment
Tx Power 2200-2300MHz	<ul style="list-style-type: none"> • 4W RF/18.5W DC 0.25dB steps • 1W RF/8W DC 0.25dB steps 	Integrated Diplex filter and antenna switch, programable RF power to 6dBW
Waveforms -Tx -Rx	Direct Carrier and PCM/PM/PSK <ul style="list-style-type: none"> • OQPSK/BPSK 2K-4Mbps • PCM/PM/PSK FSK/AM • ITU Mask, Others 	<ul style="list-style-type: none"> • TC/TM CCSDS NEN DTE • TDRS-MA FWD/RTN SN • CTA NEN Tone/PN Code Ranging • Proximity-1 and Crosslink
Rx 2025-2118MHz	-130dBm/4W DC 10Hz stepping across band	Full Duplex Low Phase Noise
Data Framing	CCSDS TM/TC (NEN), TDRS-MA, Proximity-1	Others available 256Gbyte Internal Data Storage Memory
I/O	Ethernet (TCP/IP)	RS-422, UART (4Mbps), Others available
Telemetry	Temperature(s), Voltages, Current	8-16Volts Standard input 28Volt option (24-33.6Volts)
Encryption	<ul style="list-style-type: none"> • None • AES256 GCM Software based • Type-1 Encryption 	Non-ITAR Software Based Hardware Based
Mechanical	<ul style="list-style-type: none"> • 82x92x34mm, 340grams 	
Environmental	<ul style="list-style-type: none"> • Full Specs -25C to 65C • NASA GEVS 7000 	>55K rad TID SEU Recoverable, 5-year mission
Networks	<ul style="list-style-type: none"> • AFCN, NASA NEN, SSC-Infinity, K-Sat, Atlas Networks, TDRS, Crosslinks 	Have standard configurations for wide range of ground terminals