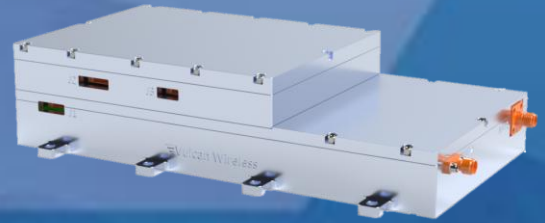


# NSR-SDR-Ka/S-HDR-DVB Transceiver

## Features:

- Full Duplex Radio Subsystem
- 5Watts Linear RF Transmit Power
- SSC Space (USN), K-Sat, Safran HDR
- Embedded TSAB Encryption (Option)



Specification	Value	Comment
Tx 25.5-27.0GHz	5W RF/80W DC 0.5dB steps	Integrated filters
Waveforms -Tx	DVB-S2(X), >500Mbps, OQPSK, QPSK, 8PSK, 16APSK, 32APSK BPSK, QPSK, MPSK, Others, 1K-500Mbps, PCM/PSK/PM	Optional FEC: CC1/2, LDPC, Turbo, Others SSC-USA, K-Sat, AWS, Others
Rx 2025-2118MHz	CCSDS TM/TC	Full Duplex Low Phase Noise
Data Framing	CCSDS TM/TC (NEN), MC3, DVB-S2, Coherent Turn Around, Ranging, PNT	Others available
I/O	RS-422, UART, Ethernet (TCP/IP)	Others available
Telemetry	Temperature(s), Voltages, Current	
DC Power	28Volts Input	22-36VDC battery
Encryption	• AES-256	Software Based
Mass	• 1165.73grams	+/-5%
Environmental	• Full Specs -25C to 60C • NASA GEVS 7000	30K rad TID SEU Recoverable, 5 year