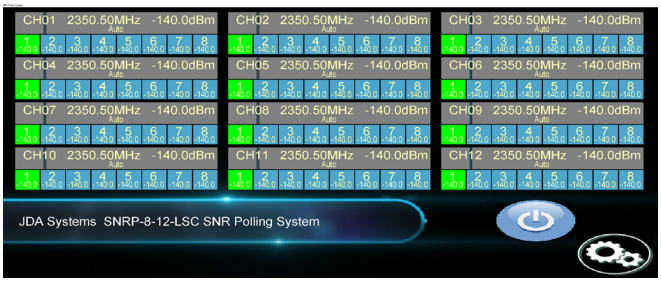
SNRP-8-12-LSC SNR Polling Sensor

The SNRP-8-12-LSC represents a new way of recovering telemetry signals from multiple test objects on a test range. The unit can take up to 8 antenna inputs and provide the best signals from these to any mix of 12 receiver compatible outputs, all in a single 19 inch rack mountable chassis.

The SNRP-8-12-LSC is a modular system consisting of the VT-RFS-BC base chassis that is designed to accept up to 8 off VT-AIC-6 antenna interface cards feeding up to 12 off VT-RSD-6 RF switching detector cards in a matrix configuration. Thus signals from any of the 8 input channels may be switched to any combination of the 12 output channels at any time.

The switching is carried out under intelligent internal control based on user commands and the best signal quality as judged by the VT-RSD-6 RF switching detector cards. These are under instruction from the main system controller. Once setup the systems operates stand alone or via the full Ethernet based remote control interface that is supplied as standard.



This easy to use full function graphical software interface, on the large front panel full color touch screens, controls all aspects of the system operation providing full stand alone functionality.

The SNRP-8-12-LSC SNR polling sensor has a wide operational RF bandwidth covering all standard terrestrial telemetry frequency bands.

The ease of use of the system when operating with up to 8 static antenna locations makes it a very capable alternative to the use of multiple tracking systems.

In comparison to a autotracking configuration the SNRP-8-12-LSC system is lower cost, easier to use and has a simplified setup.

It operates with multiple frequencies simultaneously with best performance offered on all frequencies without having to choose one to track at the cost of reception quality on other reception frequencies.

For more details contact your local agent or contact JDA Systems directly:
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SNRP-8-12-LSC Modularity

VT-RFS-BC Base Chassis

- One base chassis required per system
- Integrated main controller
- Touch screen capacitive graphic interfaces
- Remote controllable via external ethernet
- Integrated Power Supply 110-240VAC 50 to 60 Hz
- Card slots for up to 8 off VT-AIC-6 antenna interface cards
- Cards slots for up to 12 off VT-RSD-6 RF switching detector cards

VT-AIC-6 Antenna Interface Card

- Up to 8 VT-AIC-6 cards per VT-RFS-BC base chassis
- Integrated LNA's
- Splits the incoming RF into 12 RF outputs plus one monitor output
- Covers all standard terrestrial RF telemetry bands (70MHz to 6GHz)
- Provides the RF signal feeds for the VT-RSD-6 RF switching detector cards

VT-RSD-6 RF Switching Detector Cards

- Up to 12 VT-RSD-6 cards per VT-RFS-BC base chassis
- Tunable across all standard terrestrial telemetry bands(70MHz to 6GHz)
- Monitors RF signal quality from up to 8 VT-AIC-6 antenna interface cards
- Switches the best quality RF input signal to the RF output
- Provides an interface to the VT-RFS-DC main controller
- Provides real time signal quality information locally and externally over ethernet

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