

RFS Series Antenna Switches

Ultra-Fast Frequency Monitoring Switching in a Versatile Format





Signal Hound’s RFS44 and RFS8 high-speed antenna switches apply our innovative approach to high-performance test and measurement equipment to utility switching control. Utilizing advanced RF architecture design, in unison with high quality components, RFS series switches give users vital features and enable concise data acquisition when switching across varied frequencies in diverse RF environments.

The RFS44 is a single pole four throw (SP4T) absorptive solid-state switch using silicon-on-insulator (SOI) technology providing RF switching across four ports at up to 44 GHz. Switch from LF all the way through the Ka band and utilize this versatile tool in pseudo-doppler direction finding applications. With blazing fast switch speed, 3 ns rise/fall times, and direct access from Spike, the RFS44 enables multi-band sweeping and direction finding to the SM435 product line!

Expand on the functionality of the RFS44 by adding 4 additional antenna ports found on the RFS8. Multi-band sweeping, direction finding and extension of antenna switching utilities are just a few of the capabilities of this powerful device. The RFS8 enables accurate RF data capture when precise monitoring and measuring are critical.



Achieve ultra-fast data acquisition in the field and the lab with the RFS44 and RFS8 antenna switches. Precise, efficient and durable RF switching solutions, in a versatile form factor from Signal Hound.

SIGNAL HOUND ANTENNA SWITCHES	RFS44 	RFS8 
Frequency Range	100 kHz to 44 GHz	100 kHz to 8 GHz
Typical Use	<ul style="list-style-type: none"> • Automated Testing • Multi-Band Sweeping • 5G Wireless 	<ul style="list-style-type: none"> • Satellite Comms • Antenna Polarization • Radar • Spectrum Monitoring • Channel Characterization • Industrial Automation & Test
Switch Speed	20 ns	230 ns
Ideal Signal Hound Pairings	SM435 / SM200 / SP145	SP145 / BB60D / BB60C
Where these products excel	<ul style="list-style-type: none"> • Desktop/Lab/Field Use • Manufacturing Automation & Test • Multi-Band Sweeping 	<ul style="list-style-type: none"> • Antenna Pattern Measurement • Direction Finding • Spectrum Monitoring

