

RI 261

TUNABLE BAND REJECT FILTER

Digitally tunable between 700-3800 MHz

FEATURES

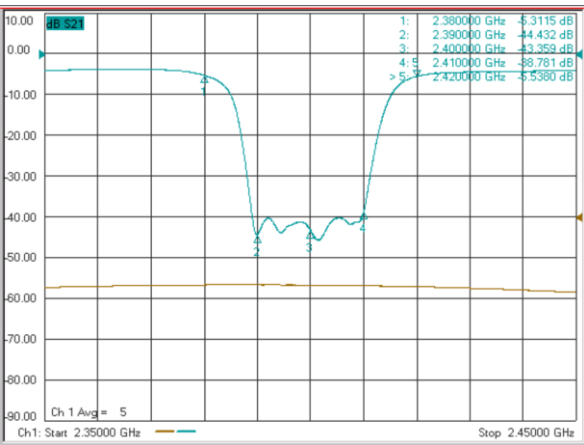
- 20 MHz reject bandwidth
- Frequency tunable between 700-3800 MHz
- Filter characteristics can be selected in runtime
- Remote control via LAN
- Rack mountable

OVERVIEW

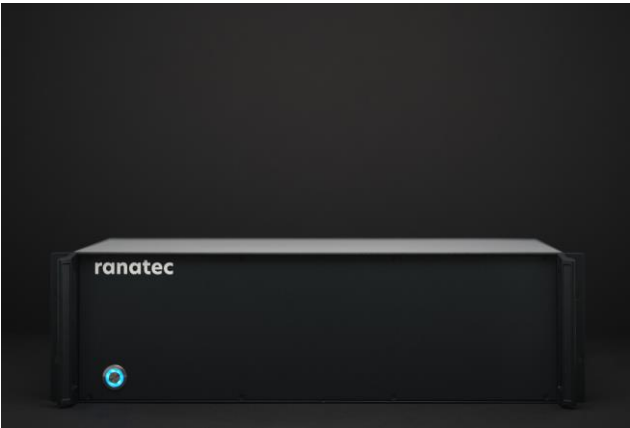
The Ranatec RI 261 is a high performance electronically tunable band reject filter, using state-of-the-art technology. Filter characteristics are remained constant across the entire frequency range. A frequency extension option for conformance testing up to 26.5 GHz is available.

APPLICATION

- Conformance testing according to TS 136 521-1 (LTE)
- Spurious emissions measurements
- Receiver blocking measurements
- Design verification of radio transmitters and receivers



Typical band reject performance



SPECIFICATION

Filter bandwidth [MHz]	Frequency bands for center freq. [MHz]	Measurement bands [MHz]	Filter slopes [MHz]
20	698-1000	600-1200	10
20	1400-2000	1200-2200	10
20	2000-2700	1700-3000	10
20	3400-3800	3100-4100	10

Input power range	+2-+28 dBm ¹
Band reject bandwidth	20 MHz @-35dB
Band reject depth	35 dB
Frequency resolution	1 kHz
Frequency settling time	20 ms full band
Frequency accuracy	25 ppm (internal ref)
RF input/output connector	SMA (F)
Size	3 U, 19"
Operating temperature	15 to 35 °C
Storage temperature	-40 to 70 °C
Relative humidity	10 to 90 %

¹) At PAPR - 0 dB (CW)

ORDERING

- | | |
|---------|----------------------------------|
| RI 261 | Tunable Band Reject Filter |
| RI 4271 | Frequency Extension Box 26.5 GHz |