

RI 266
TUNABLE BAND
REJECT FILTER

Digitally tunable between
600-6000 MHz

FEATURES

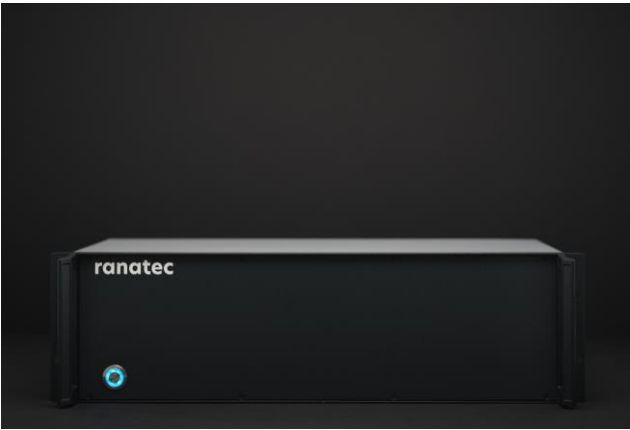
- Combined 5 & 100 MHz reject bandwidth
- Frequency tunable between 600-6000 MHz
- Filter characteristics can be selected in runtime
- Remote control via LAN
- Rack mountable

OVERVIEW

The RI 266 is a high-performance electronically tunable band reject filter. It is fully equipped to conform to all existing sub-6 mobile bands. This is achieved by ingenious microwave design, digital signal processing and use of state-of-the-art components. A frequency extension option for conformance testing up to 26.5 GHz is available.

APPLICATION

- Conformance testing according to TS 136 521-1 (LTE) and TS 138 521-1 (5G NR)
- Spurious emissions measurements
- Receiver blocking measurements
- Design verification of radio transmitters and receivers



SPECIFICATION

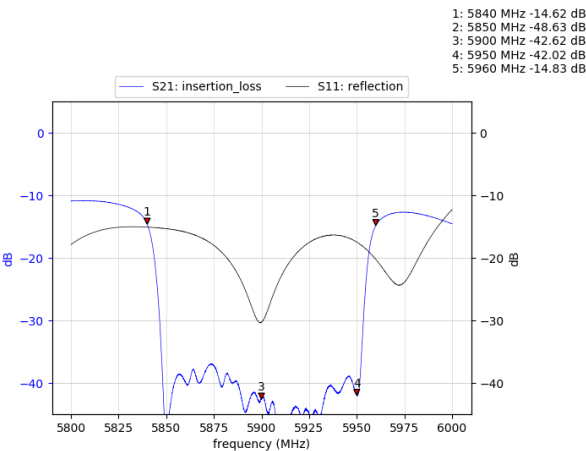
Filter bandwidth [MHz]	Frequency bands for center freq. [MHz]	Measurement bands [MHz]	Filter slopes [MHz]
5	600-1000	550-1600	3*
5	1400-2000	1000-2400	3*
5	2000-2700	1700-3000	3*
100	700-1000	600-1600	10
100	1400-2000	1000-2400	10
100	2000-2700	1700-3000	10
100	3300-4200	3200-4300	10
100	4400-5000	4000-5400	10
100	5150-5925	4925-6000	10

*1.4 MHz slopes available upon requests

Input power range	+2-+28 dBm
Band reject bandwidth	100 MHz @-35dB
Band reject depth	35 dB
Frequency resolution	1 kHz
Frequency settling time	20 ms full band
Frequency accuracy	±2.5 ppm (internal ref)
RF input/output connector	SMA (F)
Size	3 U, 19"
Operating temperature	0 to 40 °C
Storage temperature	-40 to 70 °C
Relative humidity	10 to 90 %

ORDERING

- RI 266
- Tunable Band Reject Filter
- RI 4276
- Frequency Extension Box 26.5 GHz



Typical band reject performance