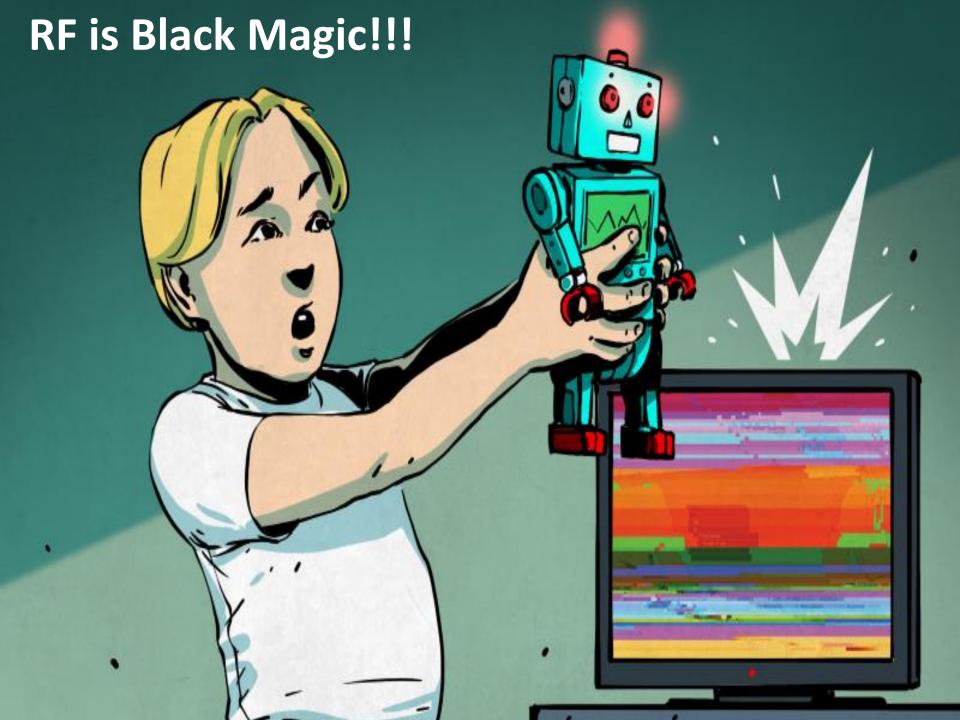




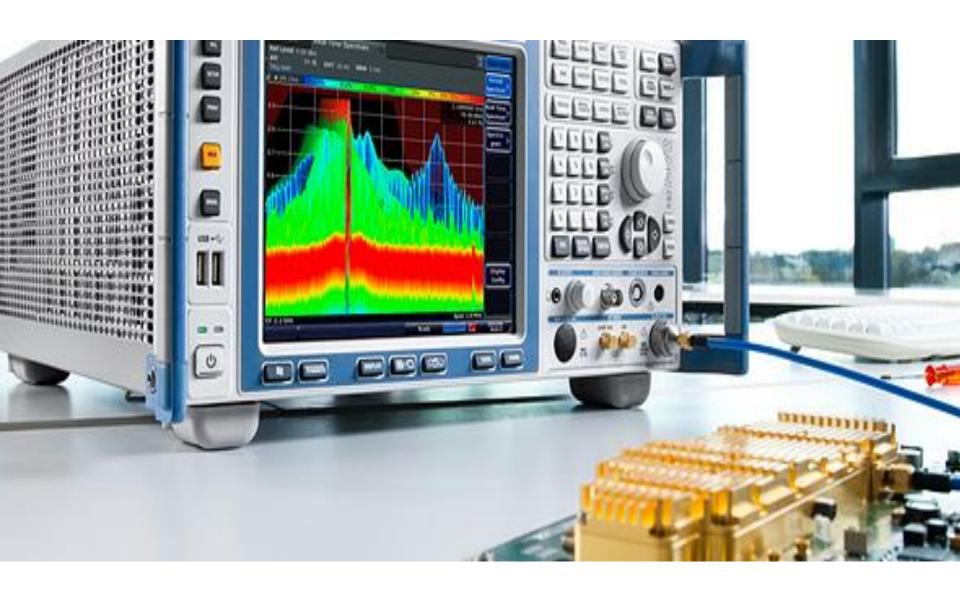
Manuel Ballesteros Carballo

Ingeniero de Diseño y Desarrollo Congreso SWYP'17

Marzo 2017



Spectrum Analyzer



Take my money and shut up!!!

N9320B RF Spectrum Analyzer (BSA), 9 kHz to 3 GHz

US\$ 9,123

Typical Price*

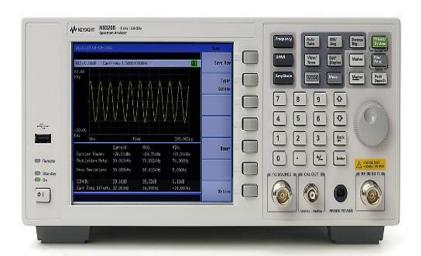
to My Watchlist Configure

Get Quote

Add to My Watchlist

Sold By: Authorized Sales Partners - Check availability





▼ Key Features and Functions

- Fast spectrum analysis covering frequency 9 kHz to 3 GHz
- 0.5 dB overall amplitude accuracy
- Efficient AM/FM, ASK/FSK demodulation analysis suites for IoT transmitter characterization
- 3 GHz tracking generator provides stimulus response measurement for component characterization
- Automation and communication interface with industry standard SCPI language support and USB/GPIB/LAN connectivity choices
- Ideal for R&D, low cost manufacturing, and RF education

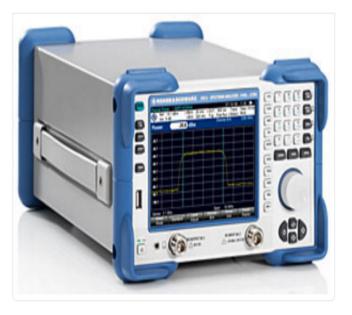






Ohhh... Wait!!





FREE SHIPPING!



Our Price: \$7,540.00

Rohde & Schwarz FSC3, FSC6 Series Spectrum Analyzers

Model: FSC3.03



See pricing for all models on this page »

Condition: New Test Equipment

- Frequency range 9 kHz to 3 GHz or 6 GHz
- Resolution bandwidths 10 Hz to 3 MHz
- High sensitivity <-141 dBm (1 Hz), with opt. preamplifier ≤161 dBm (1 Hz)
- High third order intercept (>10 dBm, typ. 15 dBm)
- Low measurement uncertainty (<1 dB)
- Internal tracking generator (FSC313, FSC316)
- Storage of measurement results on USB stick
- LAN and USB interface for remote control and transfer of data
- Low power consumption (12 W)

RF Explorer Spectrum Analyzer











RF Explorer - 3G Combo

SKU 109990009

- Affordable digital spectrum analyzer
- Frequency band: 15-2700 MHz
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- Windows PC client extension

\$269.00

IN STOCK 10 Available

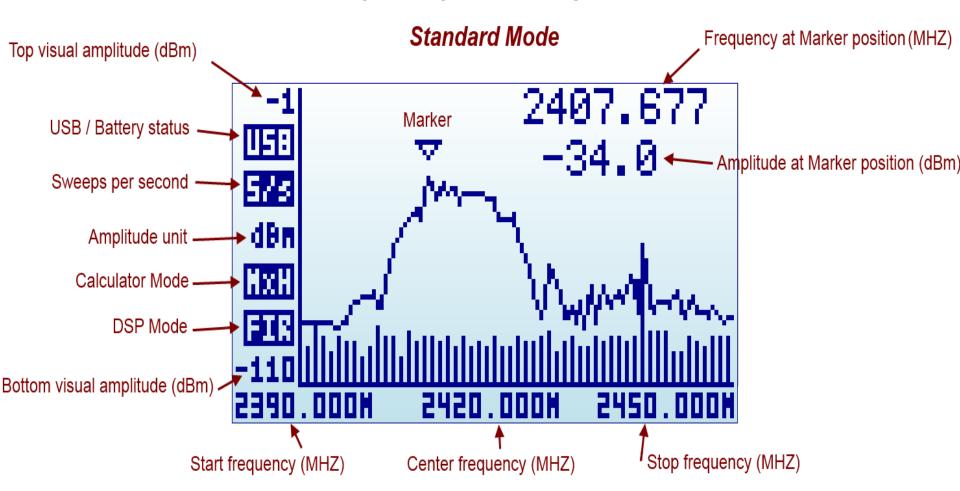
Qty: - 1 +

Internal battery power switch **SMA Left SMA** Right ON <> OFF RF 50Ω LCD RF Explorer Handheld Spectrum Analyzer RETURN MENU **ENTER** Keyboard -USB 2.0

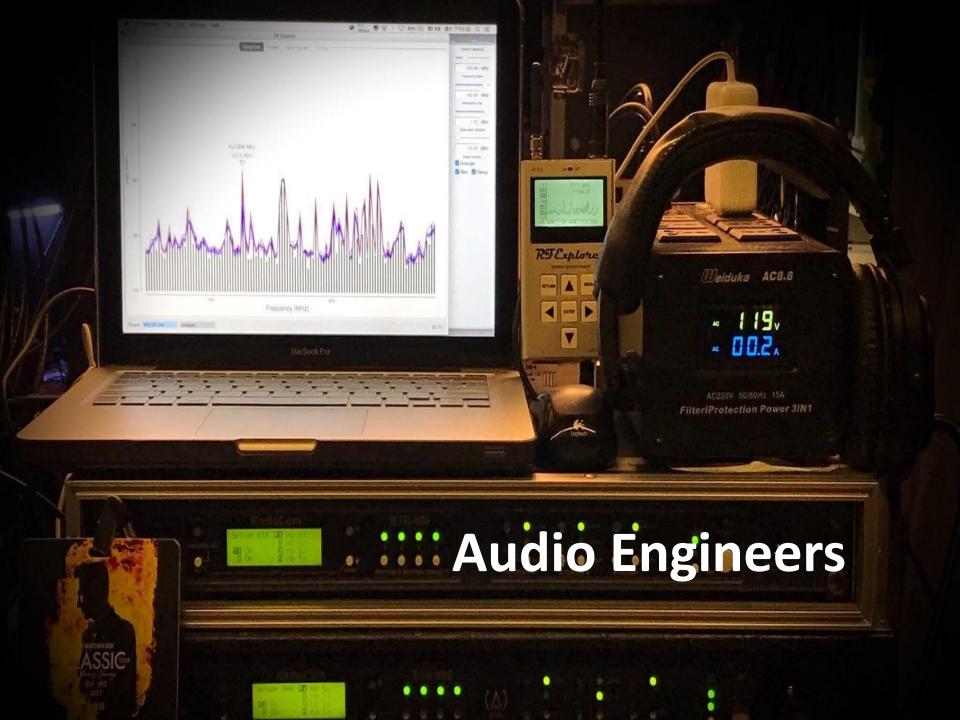
Mini-USB Connector

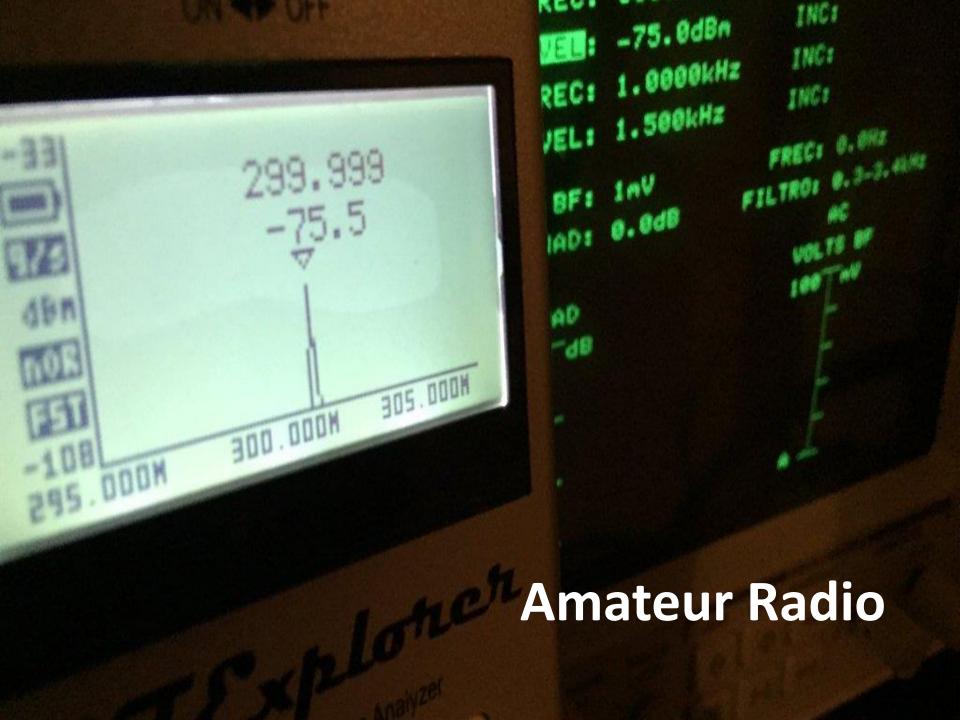
Spectrum Analyzer Screen

RF Explorer Spectrum Analyzer screen











Opinions



★★★★★ If I had only had one of these 50 years ago, or even 20 years ago, if only...

By T. Marshall on October 13, 2014

Verified Purchase

50 years in RF, and this device would have made so many things easier, if it had existed back then :) But it is in my toolkit now, and gets us

noise floor really is ac now - very useful. Oh, my HP 8569B for mak newbies is buy it - just

★★★★★ Best Spectrum Analyzer for the price

By LuckOfThelrish on December 10, 2016

Verified Purchase

Excellent Spectrum Analyzer for the price. Made rugged and should last for years.

self well. The latest (beta leveloping those WiFi ar nd a 50lb precision HP in

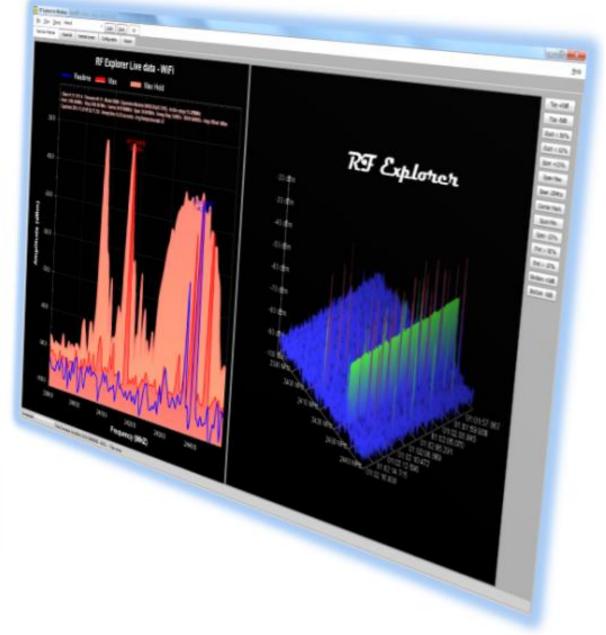
By R. Crisler on February 28, 2016

Verified Purchase

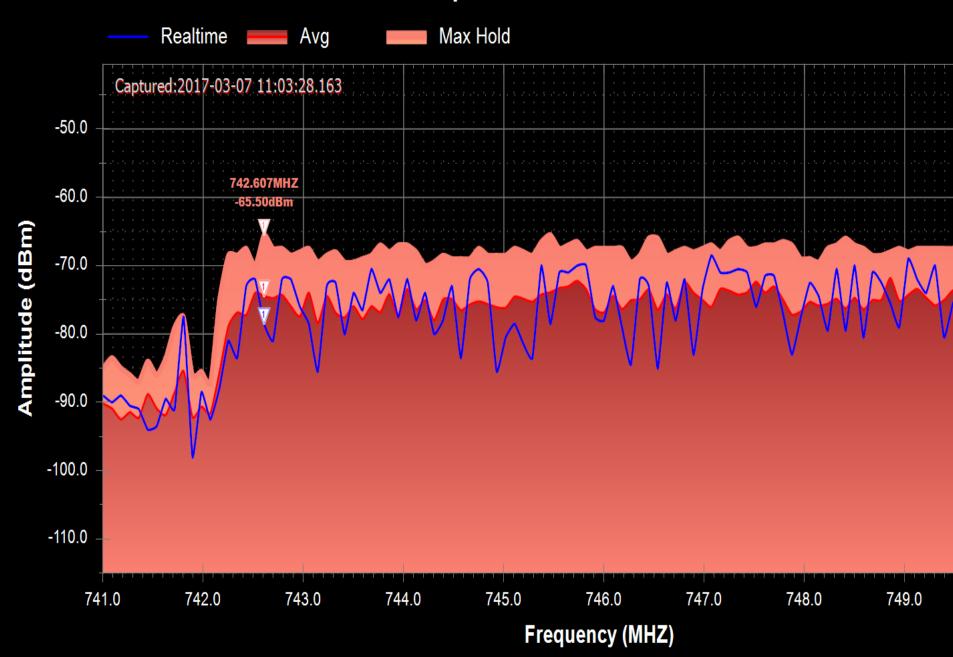
Works Perfectly! I use this as I travel around to different Church Venues to Coordinate their RF (Wireles able to export the data using the included PC software or the optional 99\$ Mac software into Shure's Wi

Works Great! Ive attached some screenshots of the imported scan in WWB using my Shure directionals

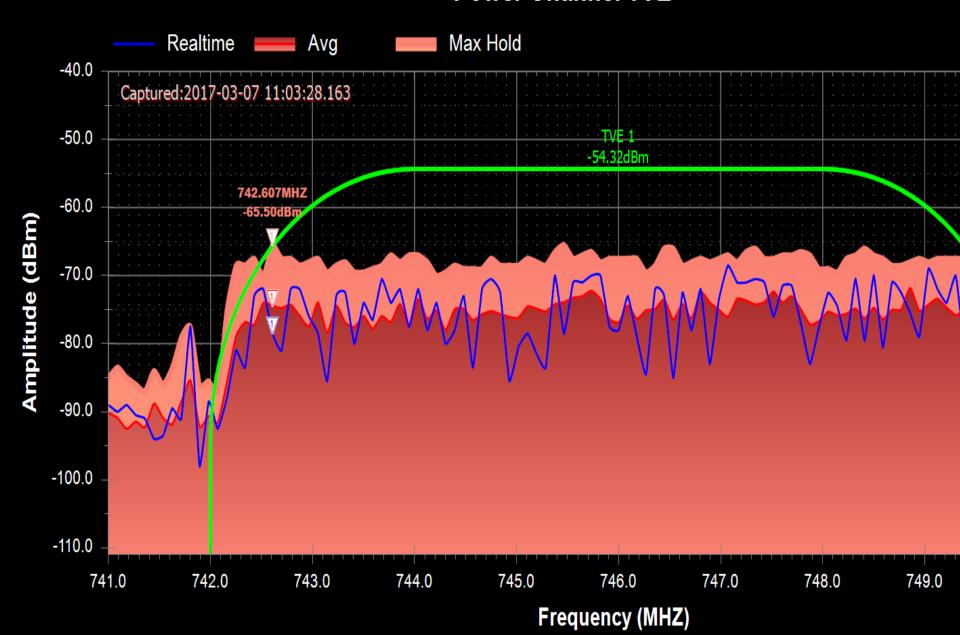


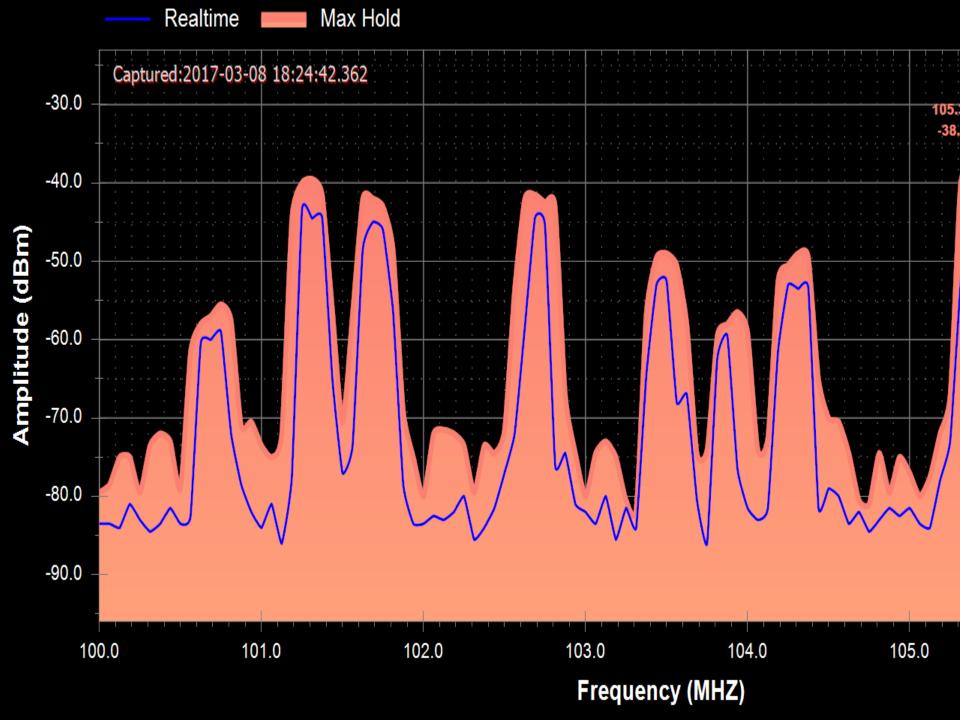


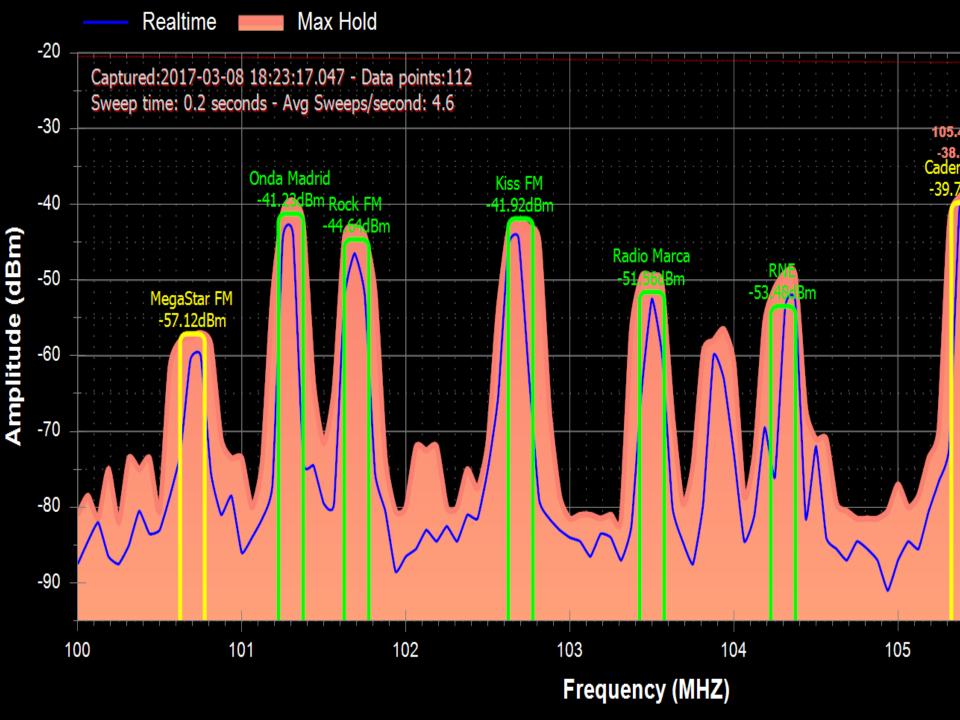
RF Explorer File data - Default

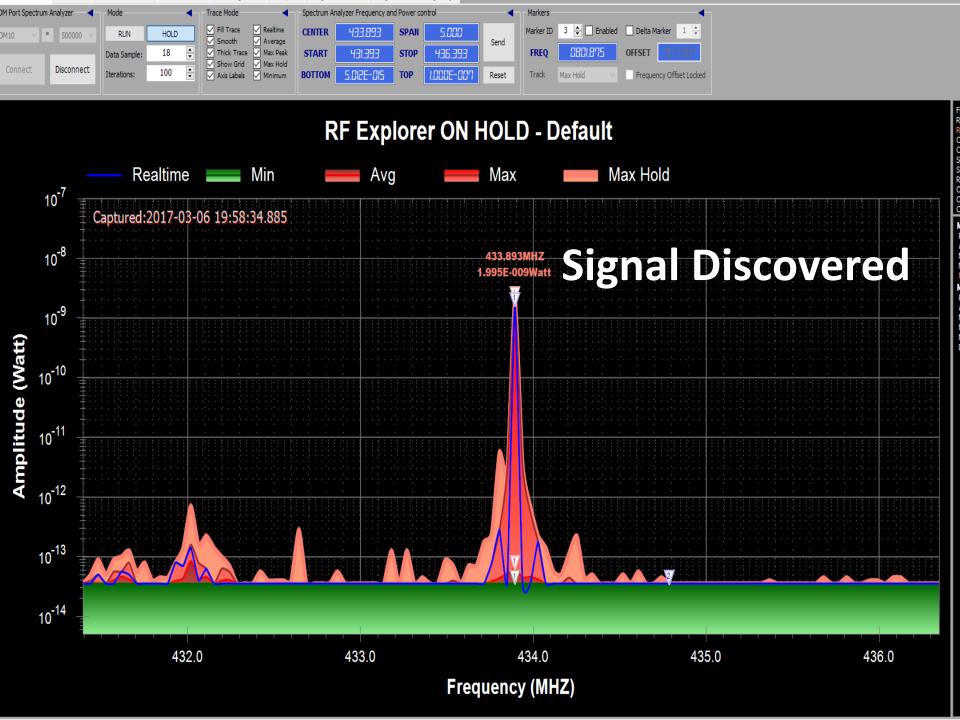


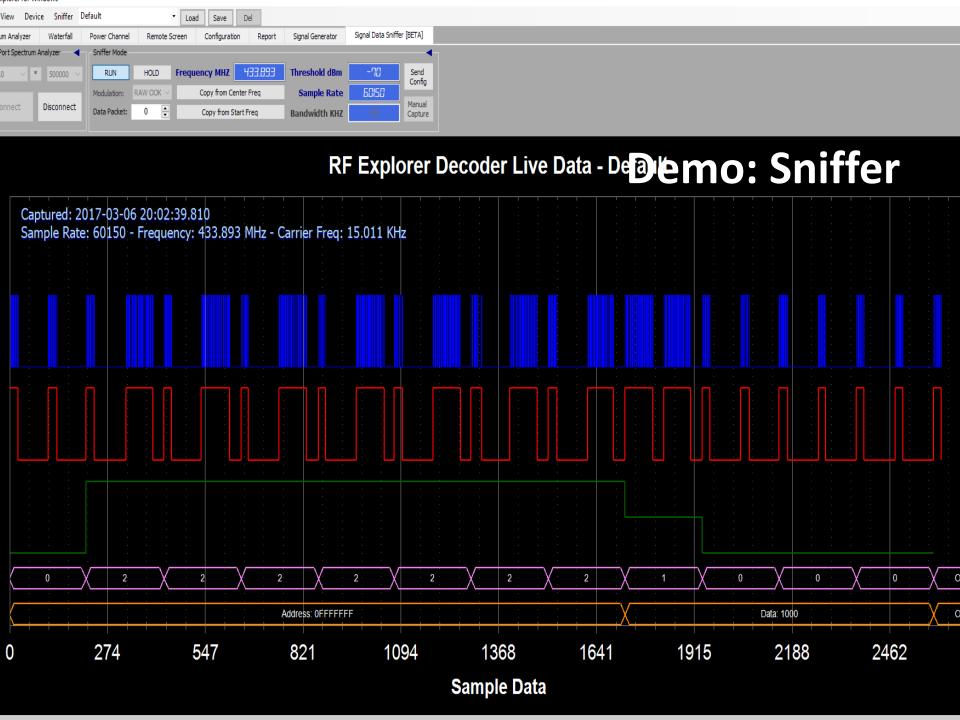
RF Explorer ON HOLD - TDT Power Channel TVE









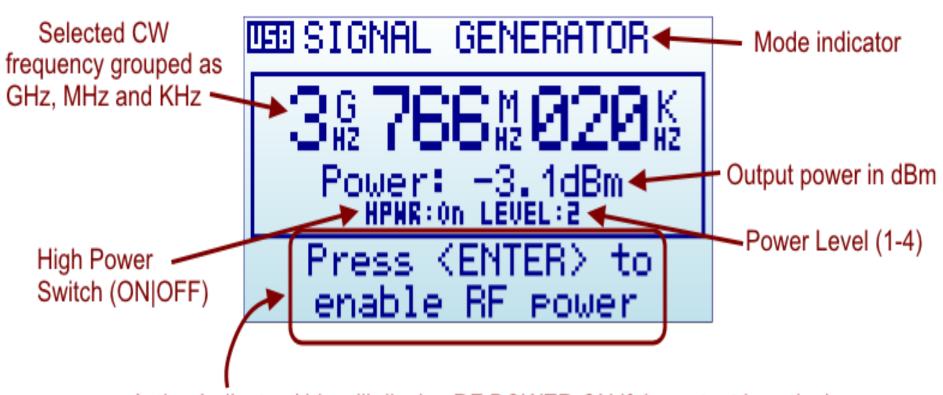


RF Explorer Signal Generator



Signal Generator

RF Signal Generator Main Screen



Action Indicator (this will display RF POWER ON if the output is active)

Coaxial

Low Pass Filter

50Ω DC to 520 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C	
Storage Temperature	-55°C to 100°C	
RF Power Input	0.5W max.	

Features

- good attenuation rate, 1.35 typ. 20dB/ 3dB BW ratio
- rugged shielded case
- other SLP models available with wide selection of cut-off frequencies

Applications

- lab use
- · test equipment
- · video equipment

SLP-550

SLP-550+

CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SLP-550(+)	\$34.95 ea	. (1-9)

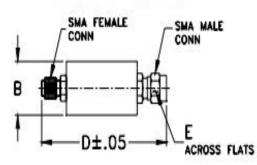
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

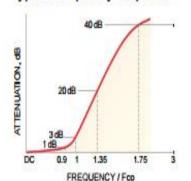
Low Pass Filter Electrical Specifications

PASSBAND (MHz)	1 S (2) C (3)		STOPBAND (MHz)		WR 1)
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)	Passband Typ.	Stopband Typ.
DC-520	570	750-920	920-2000	1.7	18

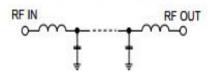
Outline Drawing



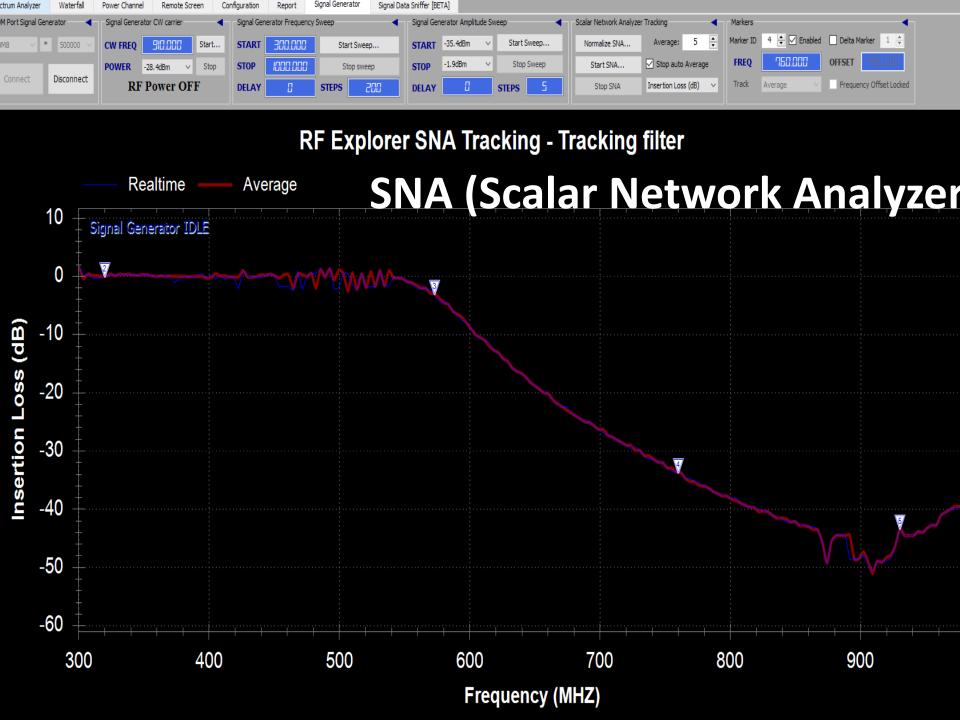
typical frequency response



electrical schematic







Mithbuster

VIGEO EQUIPMENT

Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)	
DC-520	570	750-920	920-2000	

confirmed!

M2: 0320.000 MHz

VEWD

RT: 0.00dB

Avg: 0.00dB

M3: 0573.000 MHz

RT: -3.00dB

Avg: -3.00dB

M4: 0760.000 MHz

RT: -33.64dB

Avg: -33.64dB

M5: 0930.000 MHz

RT: -43.30dB

Avg: -43.30dB

RF Explotiet

Showroom



RF Explorer 3G+ IoT for Raspberry Pi SKU 114990814

\$100 \$125



EVA carrying case for 3G Combo SKU 328050001

\$4.95



RF Explorer Signal Generator (RFE6GEN) SKU 114990081

\$189





RF Explorer 6G Combo SKU 109990063

\$365





RF Explorer Protection Boot (Yellow) 5KU 322100012

\$9.95



Rubber Duck UHF 400-900MHz SMA Articulated Antenna SKU 109990205

\$9.5



SMA Termination Male SKU 320160014

\$8.5



RF Explorer model WSUB1G 5KU 109990010

\$129

Conclusions

- RF is not Black Magic
- RF Explorer makes instrumentation economical and user- friendly
- Discover Signals on Environment –
 Spectrum Analyzer
- Inyect Signal in a circuit/ Measures
 Network Parameter Signal Generator
- Manuel is the best





youngprofessionals

