

JNCRadio VNA 3G

Portable Vector Network Analyzer

SPECIFICATIONS

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1. About

JNCRadio VNA 3G is a portable vector network analyzer with frequency range of 50k-3GHz. It is designed with 4.3-inch IPS LCD and metal case. The sweep speed of JNCRadio VNA 3G reaches 400 pts/s, and the number of sweep points is up to 501. With the performance of 70dB dynamic range for S21 and 50dB dynamic range for S11, JNCRadio VNA 3G is very suitable for field measurement, such as measuring HF/VHF/UHF antennas, filters, attenuators, duplexers, etc.

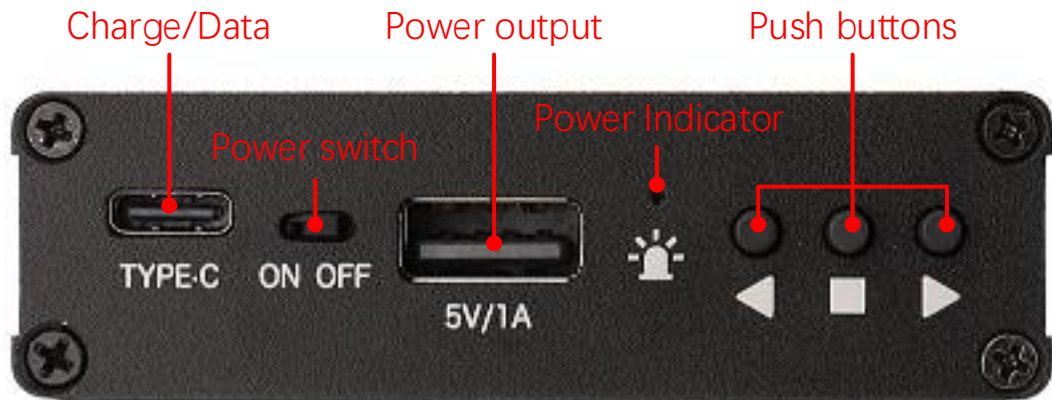
2. Features

- Frequency range: 50k – 3GHz;
- Dynamic range: 70dB for S21, 50dB for S11;
- Sweep speed: 400 pts/s;
- Sweep points: up to 501;
- 4.3-inch IPS LCD, ultra wide viewing angle;
- All aluminum alloy case: 130mmx75mmx22mm, small and portable;
- SMA RF connectors, easy to connect DUTs;
- Built-in 3.7V 5000mAh lithium battery, standby time up to 5 hours;
- Full touching screen design, with 3 side buttons at the same time;
- TDR function;
- Built-in simple RF signal generator: up to 4.4GHz, output power adjustable;
- Support touchstone file save and export, and files are named with RTC time;
- More than 10 calibration save/recall slots;
- Optimized UI design, make measurement convenient and efficiency;
- Screen brightness adjustable;
- Firmware upgrad via virtual U disk with USB Type-C cable;
- Equipped with high quality SMA calibration kit and RG405 cable;
- 5V/1A USB power output port;
- Charging via USB Type-C, maximum charging current reaches 2A;
- Compatible with nanovna-saver PC software;
- CE, FCC and RoHS compliance;

3. Specifications

Parameter	Specification	Conditions
Frequency range	50kHz~3GHz	
RF output power	-10dBm	50kHz - 140MHz
	-9dBm	140MHz - 1GHz
	-12dBm	1GHz - 2GHz
	-14dBm	2GHz - 3GHz
Frequency accuracy	<±0.5ppm	
S21 dynamic range	80dB	50kHz - 1.5GHz
	70dB	1.5GHz - 3GHz
S11 dynamic range	50dB	50kHz - 1.5GHz
	40dB	1.5GHz - 3GHz
Sweep points	501	11-501 configurable
Traces	4	
Markers	4	
Calibration storage	>10	
Sweep speed	400 pts/s	
Display	4.3-inch IPS LCD	Resolution: 800*480
Touch screen	RTP	
Battery	3.7V 5000mAh	
Charging/Data port	USB Type-C	
Charging voltage	4.7V - 5.5V	
Power output	USB-A 5V/1A	
RF connector	SMA	
Dimensions	130*75*22mm	
Shell material	Aluminum alloy	
Operation temperature	0°C -45°C	

4. Appearance



5. Accessories

- JNCRadio VNA 3G x1
- 20cm SMA-JJ RG405 cable x2
- Calibration kit: SMA OPEN/SHORT/LOAD
- SMA-KK adapter x1
- SMA-JJ adapter x1
- SMA-JKW adapter x1
- USB Type-C cable x1
- Stylus x1