

VSA6G2A/B

USB Vector Spectrum Analyzer

Accurate and stable in frequency / level
 Extra low cost, Extra low weight, Best performance to price ratio
 Frequency range up to 6.2GHz. Input Levels - 140 dBm to +28 dBm
 Connect to PC through USB without needing a battery pack



www.triarchytech.com

The VSA6G2 is a very cost effective USB vector spectrum analyzer. it can do most of the basic test functions a regular sized spectrum analyzer can do. The VSA6G2 is very tiny instrument, but it can cover very wide measurement range.

The frequency up to 6.2G, power up to 28 dBm, noise level low as -140dBm. the test data will be displayed with level, linearity and frequency calibrated.

VSA6G2 is very suitable for field test. because it is very small and easy to be carried. it can be used as device to monitor RF signal. it can also suitable for the EMC test with near field antenna.

Frequency range : low band 100Hz~2MHz, high Band 1MHz~6.2GHz
Frequency mini setup step: 1Hz
Reference clock: 10MHz, Stability Over Temperature: ± 0.28 ppm (-10C~+50C)
Span range: 100Hz~1.35MHz at FFT mode, 1.35MHz~6188MHz at PLL mode full span sweep time 820ms
RBW range: 0.2Hz ~27KHz (span/50~500 ,10 step) at FFT mode, 10KHz~1MHz (1,2,3,5 sequence) an 10MHz at PLL mode
VBW range: 2.3KHz~150KHz only at PLL scan mode
Amplitude range: DANL to +24dBm (CW) or +28dBm(pulse) at High band DANL to +10dBm at Low band
DANL range: -90dBm at Low band, -140dBm (1MHz~500MHz) -135dBm (500MHz~4.5MHz), -130dBm (4.5GHz~6.2GHz)
Ref setup range: -70 dBm~+30dBm at High band -50 dBm~+30dBm at Low band Setup resolution 0.25dB
Max input level: CW RF signal 30dBm less than 1min, DC input Max +/-25V
Level uncertainty: Absolute uncertainty at 1GHz:1.5dB, Frequency response: 2dB
Detection mode: Sample, Average, Max, Min, Normal
Marker Reading accuracy: Frequency resolution 0.1Hz, Level resolution is 0.01dB
Sweep time: PLL mode: 262ms to 200s, FFT mode: 3.33ms~40s
Demodulation function: analog domod: AM, FM, PM, ASK, FSK, PSK
 Digital domod: MSK, GMSK, BPSK, QPSK, 8PSK
 I&Q data, EVM, Eye diagram, Constellation
External I&Q output: VSA6G2A LP filter range: 4MHz~40MHz
 VSA6G2B LP filter range: 40MHz~128MHz
Temperature range: working range: -10C ~+50C, Stored range: -50C ~+70C
Power source: 5V from USB port
Dimensions: 115mm(L)x25mm(W)x25mm(H)
Weight: 95g

Wireless Remotes,
cordless phones,
Monitors

ATE system

Industrial,
Scientific,
Medical (ISM)

Cellular
and PCS

Two-Way Radio
Trunk Radio

Bluetooth,
Wifi, WiMax

Field Service
and Installation