Vector network analyser USB

Parameter	Specification
Frequency range	300 kHz to 9GHz, frequency can upgradable upto 26.5 GHz
Test port	2-port, S-parameter, 50 Ω, 3.5 mm connectors upgradability upto 4-port VNA can be configured with cascaded two instruments
Frequency resolution	
300 kHz to 2.5 GHz	1 Hz
> 2.5 to 5 GHz	and
Frequency reference	
Accuracy	± 1 ppm
Aging rate	< 3.5 ppm/year
Temperature stability	± 1 ppm over 0 to 55 ºC
System Impedance	50 Ω (nominal)
	Future upgradable to 75 Ω
Noise floor	
10 to < 250 MHz	−98dBm
250 MHz to 1 GHz	−108 dBm
> 1 to 4.5 GHz	−108 dBm
> 4.5 to 6.5 GHz	−108 dBm
> 6.5 to 9 GHz	−108 dBm
Dynamic range	
10 to < 250 MHz	98 dB
250 MHz to 1 GHz	115 dB
> 1 to 4.5 GHz	115 dB
> 4.5 to 6.5 GHz	115 dB
> 6.5 to 9 GHz	114 dB
Effective Dynamic Range	
10 to < 250 MHz	95 dB
250 MHz to 1 GHz	114 dB
> 1 to 4.5 GHz	115 dB
> 4.5 to 6.5 GHz	115 dB
> 6.5 to 9 GHz	114 dB
Maximum output port power	
10 to < 250 MHz	0 dBm
250 MHz to 4.5 GHz	+7 dBm
>4.5 GHz to 6.5 GHz	+7 dBm
> 6.5 to 9 GHz	+6 dBm
Present Power level	−5 dBm
Power range	
300 kHz to 9 GHz	0 dBm to −40 dBm
Phase noise	
300 kHz to < 2 MHz	−100 dBc/Hz (Typical)
2 MHz to 2.5 GHz	−90 dBc/Hz
> 2.5 to 5 GHz	−84 dBc/Hz
Noise floor (10 Hz IF bandwidth)	at > 6.5 to 9 GHz : −108 dBm
Temperature stability	
300 kHz to < 10 MHz	± 0.005 dB/°C
10 MHz to 4.5 GHz	± 0.005 dB/°C
> 4.5 to 6.5 GHz	± 0.010dB/°C
> 6.5 to 9 GHz	± 0.015 dB/°C
Measurement speed	19ms
Calibration kit	suitable cal kit need to supply
Software	Automatic Fixture Removal Software should be available

Analysis	Automatic fixture removal, time domain analysis, scalar calibrated mixer/converter measurements, multiport calibrated measurements, mixed-mode S-parameters
Dimension (H x W x D)	48 x 178 x 337 mm
Weight	2.04 kg (4.5 lbs)
Display	External PC
Temperature	0 to 55 °C ambient 10 to 70 °C instrument temperature @ operating
	–40 to +70 °C **non operating**
Humidity	Type tested at 95%, +40 °C
Altitude – Operating& Non-operating	Up to 10,000 feet (4,572 meters)
Intrusion protection	IP 30 IEC/EN 60529
Connectors	
RF In and RF Out	3.5 mm female
LO In and LO Out	SMA female
Trig. In and Trig. Out, Trig. Ready	SMB male
EMC compliance	IEC/EN 61326-1
	CISPR Pub 11 Group 1, class A
	AS/NZS CISPR 11
warranty	one year
Feature	Avaibility to be configured into a multiport network analyzer. Adding a second instrument would provide additional test ports to the network analyzer. This configuration provides a full featured 4-port vector network analyzer capability.