

VNA4265

Vector Network Analyzer




Itenest

NO.:ITENEST-WI-YX-91/A


KHUSHICOMMS
Empowering Innovative Solutions

Introduction

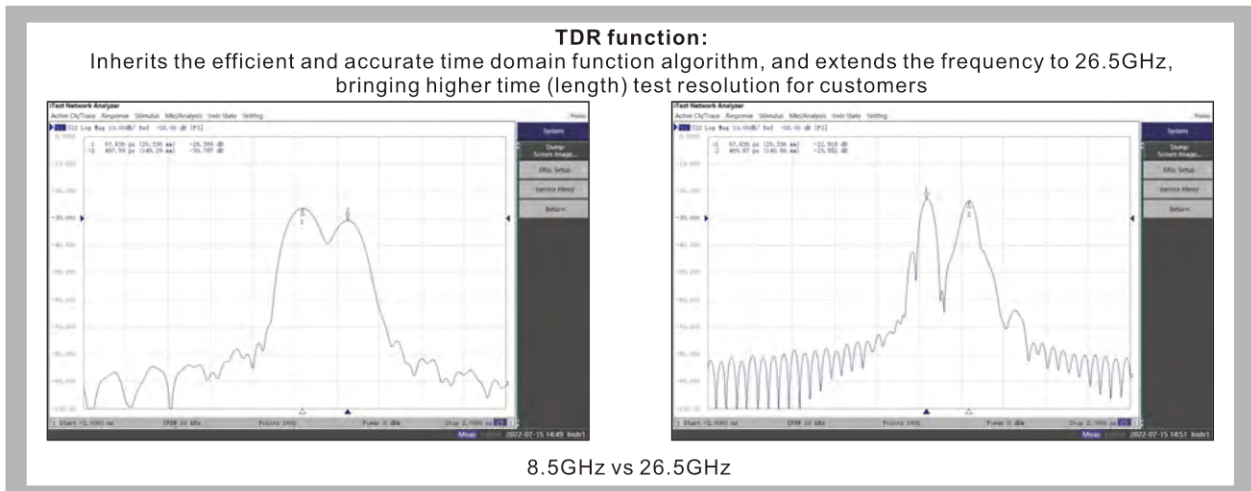
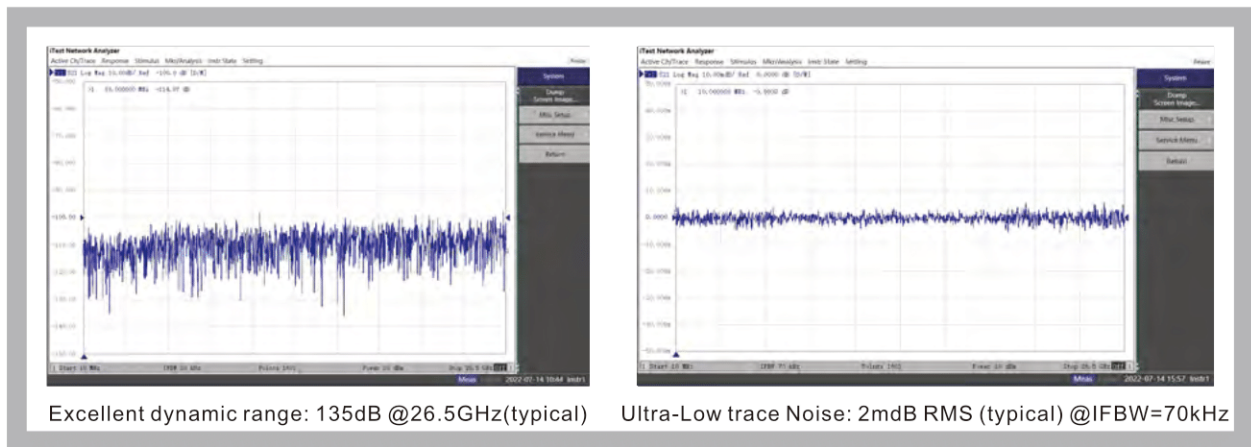
With frequency range from 100kHz to 26.5GHz, the VNA4265 vector network analyzers can cover the C/X/Ku/K band microwave products test. It can be widely used in R&D and production testing in microwave communications, satellite communications, aerospace and military industries, etc. With a 12.1-inch touch screen and physical function buttons, it is convenient for customers to perform various debugging operations.

The VNA4265 provides first-class system performance, and its key indicators such as dynamic range, trace noise, test accuracy, test stability and so on have reached the international leading level, ensuring that customers every test data is reliable and accurate.

The VNA4265 has complete vector network testing and analysis functions and calibration methods, and supports major mechanical and electronic calibration kits, to meet the flexible and diverse test needs and useages. It also provides a wealth of peripheral interfaces, which is convenient for customers to build various test systems with other measurement equipment and control monitoring equipment, and also provides a wealth of software interfaces to meet the various automated testing needs of customers.

Key features

Flexibly configurations choose :14GHz, 20GHz, 26.5GHz and 2ports, 4Port	Ultra-Low Trace Noise: 2mdB RMS (typical) @IFBW=70kHz
Excellent dynamic range: 135dB @26.5GHz(typical)	Wide output power range: -55dBm ~ +10dBm
Support time domain analysis(TDR)	Complete calibration methods(including SOLT, SOLR, TRL, response calibration, etc.)
Compatible major mechanical and electronic calibration kits	Various embedding/deembedding techniques such as automatic port extension, fixture simulation, etc.
Intuitive UI, in line with the user's operating habits	Compatible with control interfaces such as VISA and SCPI of mainstream instruments, and compatible with customers' existing test software



SYSTEM MEASUREMENT RANGE				
Frequency Range	100kHz to 26.5GHz			
Number of Test Ports	2 or 4			
Test Port Connector Type	NMD 3.5mm, male			
Output Power Range	100kHz to 2MHz	-55dBm to -10dBm		
	2MHz to 26.5GHz	-55dBm to +10dBm		
System Impedance	50Ω			
Frequency Setting Resolution	1Hz			
Power Setting Resolution	0.05dB			
Number of Measurement Points	2 to 20,001			
System Bandwidth(IFBW)	10Hz to 1.5MHz ^{Table 1}			
System Dynamic Range: (RF Range Fixed Mode=OFF) @IFBW=10Hz	100kHz to 500kHz	95dB		
	500kHz to 2MHz	110dB		
	2MHz to 5.8GHz	135dB		
	5.8GHz to 26.5GHz	132dB		
MEASUREMENT ACCURACY(UNCERTAINTY)				
Noise: Meas. Power=Max Output Power				
Transmission	100kHz to 10MHz(IFBW=3kHz)	4m dB rms/0.03deg rms		
	10MHz to 6GHz(IFBW=70kHz)	4m dB rms/0.03deg rms		
	6GHz to 26.5GHz(IFBW=70kHz)	3m dB rms/0.02deg rms		
Reflection	100kHz to 10MHz(IFBW=3kHz)	5m dB rms/0.05deg rms		
	10MHz to 6GHz(IFBW=70kHz)	5m dB rms/0.03deg rms		
	6GHz to 26.5GHz(IFBW=70kHz)	3.5m dB rms/0.035deg rms		
CORRECTED SYSTEM EFFECTIVE DATA				
Description	100kHz to 2GHz	2GHz to 13.5GHz	13.5GHz to 20GHz	20GHz to 26.5GHz
Directivity	48	44	44	44
Source Match	40	31	31	31
Load Match	48	44	44	44
UNCORRECTED SYSTEM RAW DATA				
Description	100kHz to 2GHz	2GHz to 13.5GHz	13.5GHz to 20GHz	20GHz to 26.5GHz
Directivity	25 dB	15 dB	12 dB	12 dB
Source Match	25 dB	15 dB	15 dB	13 dB
Load Match	17 dB	10 dB	10 dB	10 dB
TEST PORT OUTPUT PERFORMANCE				
Power Accuracy	100kHz to 2MHz	±0.5 dB @-10dBm		
	2MHz to 26.5GHz	±0.5 dB @0dBm		
Power Linearity (Relative to 0dBm)	100kHz to 2MHz	±0.5 dB @(-20dBm to -10dBm)		
	2MHz to 6GHz	±0.5 dB @(-20dBm to +10dBm)		
	6GHz to 26.5GHz	±0.75 dB @(-20dBm to +10dBm)		
Harmonic(2nd or 3rd)	100kHz to 2MHz	<-20dBc @-10dBm		
	2MHz to 26.5GHz	<-20dBc @0dBm		
Non-Harmonic Spurious	<-30dBc @Max Power			
CW Accuracy	±2ppm (23 °C±3 °C)			
Source Stability	±2ppm (5 °C±40 °C)			
Table 1.				
IFBW Nominal settings	10, 15, 20, 30, 40, 50, 70, 100, 150, 200, 300, 400, 500, 700, 1k, 1.5k, 2k, 3k, 4k, 5k, 7k, 10k, 15k, 20k, 30k, 40k, 50k, 70k, 100k, 150k, 200k, 300 k, 400k, 500kHz, 700 kHz, 1MHz, 1.5MHz			

KHUSHI COMMUNICATIONS PVT. LTD.

An ISO 9001: 2015 Company

Corporate Office: 705-706, 7th Floor, Kirti Shikhar Building, District Centre, Janakpuri, New Delhi-110058. INDIA.

Registered Office: C-29, 1st Floor, New Krishna Park, Vikaspuri, New Delhi-110018. INDIA.

Phone: +91-11-41615459 | E: info@khushicomms.com | W: www.khushicomms.com