

Advancing beyond

Anritsu and Keycom Material Measurement Solution

Material measurements are integral when developing solutions in the millimeter-wave (mmWave) frequency range. PCB, antenna, radar measurement, and automotive/aeronautical engineers along with metrology and research institutes must characterize various materials to better understand their effects on how the electromagnetic waves travel through them (dielectric constant, tan delta, etc.). Material measurements are becoming more critical in for the Aerospace and Defense industry. Anritsu and Keycom Technologies deliver a comprehensive material measurement solution ideal for lab, manufacturing, and university environments.

Anritsu and Keycom Technologies

Anritsu's ShockLine[™] and VectorStar[™] series vector network analyzers are now compatible with all the available solutions from Keycom Technologies for various types of material measurements methods including: resonator, frequency change, probe type, co-axial tube and waveguide type S-parameter, free space, capacitance, epsilometery, and many more. The full range of solutions available can be viewed by visiting the Anritsu (www.anritsu.com) or Keycom Technologies (www.keycom.co.jp) websites.



Frequency Change Method, Free Space Type



Open Mode Probe Method



Resonance Method Strip Line Type Dialectic Constraint and Dielectric Loss Tangent (Dk/Df), Measurement System for Sheet



S-parameter Method, Reflection and Transmission Mode, Coaxial Tube and Waveguide Type



Magnetic Property Characteristics (Including Magnetic Permeability) Measurement System



Open Resonator Method (DPS 03) for Sheet and Ultra-Thin Sheet





Open Resonator Method for Sheet and Ultra-Thin Sheet

SI. No.	Frequency Range	Permittivity	Dielectric Tangent
1	30 GHz	2.048	0.00016
2	50 GHz	2.034	0.00029
3	80 GHz	2.069	0.00020
4	90 GHz	2.051	0.00018

*For more information on other systems from Keycom and Anritsu, please contact Anritsu.





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*Contact Anritsu/Keycom for recommended options on the VNA.



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Ordering Information Anritsu



VectorStar Broadband VNA



ShockLine MS46522B E-Band VNA



ShockLine MS46524B VNA

Anritsu Corporation - Please visit www.anritsu.com or contact your local sales representative.



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