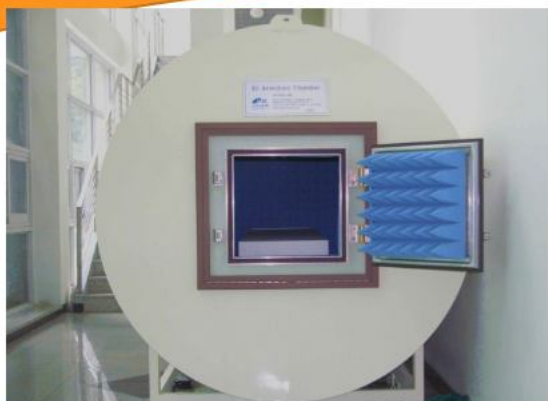


Antenna Test Chamber - Low PIM



- Special design for low PIM antenna measurements
- Shielding > 90 dB
- Frequency Range 700/1000 MHz to 6000 MHz
- Residual PIM < -165 dBc (@ 2 x 43dBm)
- Up to 6 antenna ports for multi-band and MIMO antennas
- Standard models for antennas up to 2.7m length
- Customized solutions available on request

AWT Global's new ATC series low PIM Antenna Test Chambers are especially designed for testing telecommunication antennas from 700 MHz to 6000 MHz. Not only are today's antennas required to show excellent transmission and S-parameter characteristics, due to modern modulation technologies, these antennas have to show very low passive intermodulation (PIM). Standard anechoic test chambers may provide reasonable shielding, but they are often not suited for low PIM antenna measurements; their residual PIM may be much too high. Besides the very high shielding of more

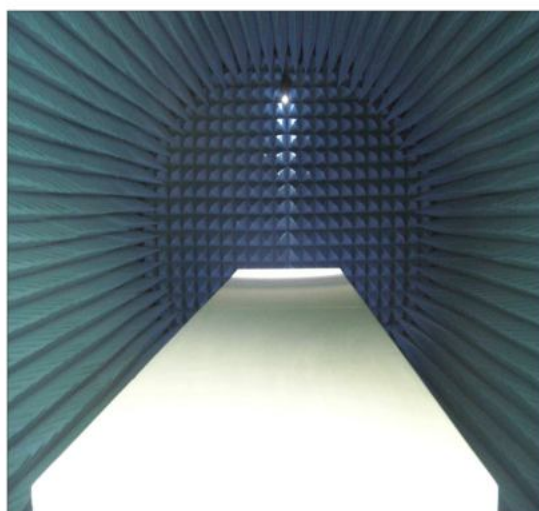
than 90 dB, our ATC series provide lowest residual passive intermodulation. Special chamber material, properly designed pyramidal electromagnetic absorbing material and special manufacturing techniques guarantee best results.

The new low PIM Antenna Chamber is available in different lengths to suite customer specific applications. The table below shows standard types, customized versions or turnkey ATE are available on request.

Models

Models	Description
ATC27	Antenna Test Chamber low PIM 90 dB shielding, length 2.7m, diameter 1.8m, max antenna length 1.9m
ATC32	Antenna Test Chamber low PIM 90 dB shielding, length 3.2m, diameter 1.8m, max antenna length 2.4m
ATC35	Antenna Test Chamber low PIM 90 dB shielding, length 3.5m, diameter 1.8m, max antenna length 2.7m

Other models and customized configurations are available on request



RF & Microwave Technology

AWT-Global provides advanced telecommunication technology products and analyzers for a variety of RF and Microwave applications.

PIM Test Systems

AWT Global offers a variety of PIM analyzers including portable and laboratory units with single port (reverse PIM). We offer also expandable multi band, dual port units. All our PIM Analyzers are conform to specification IEC 62037, the global standard for PIM measurements.

Customized Solutions

Measurement requirements are often different. Automated routines will save time and provide reliable, repeatable results. We offer customized Antenna Chambers and complete turnkey ATE solutions.

Technical Specifications

Shielding Effectiveness	
ATCxx	>90 dB (1000-6000 MHz)
ATCxx & ATCABS12	>90 dB (700-6000 MHz)
Electrical (LED light)	
Main Power	100-240V, 50/60Hz
Power consumption	20 Watts (VA)
Ports	
ATCxx	One, DIN 7/16 (f)-(f)
ATCxx & ATCPORT2	Two, DIN 7/16 (f)-(f)
ATCxx & ATCPORT4	Four, DIN 7/16 (f)-(f)
ATCxx & ATCPORT6	Six, DIN 7/16 (f)-(f)
PIM	
Residual PIM	<-165 dBc (@2x43dBm)

Dimensions	
ATC27	2.7m x Dia 1.8m
ATC32	3.2m x Dia 1.8m
ATC35	3.5m x Dia 1.8m
ATCFR	2.4m x 1.33m x 0.41m
Weight	
ATC27	380 kg
ATC32	430 kg
ATC35	480 kg
ATCFR	170 kg
Warranty	
1 year on parts and labor	

Models & Options

Model	Description
ATC27	Antenna Chamber Low PIM 90 dB shielding, length 2.7m, diameter 1.8m, max antenna length 1.9m
ATC32	Antenna Chamber Low PIM 90 dB shielding, length 3.2m, diameter 1.8m, max antenna length 2.4m
ATC35	Antenna Chamber Low PIM 90 dB shielding, length 3.5m, diameter 1.8m, max antenna length 2.7m
ATCFR	Support frame with wheels
ATCFRWELD	Support frame with wheels, welded on Antenna Chamber
ATCABS12	12 inch absorption material (instead of 8 inches), frequency range 700-6000 MHz, reduces usable length by 20 cm (8 inches)
ATCDR10	Increases door size by 100 mm to 598 x 576 mm
ACTPORT2	2 Antenna ports
ATCPORT4	4 Antenna ports
ATCPORT6	6 Antenna ports

Other models or configurations available on request

Accessories

Type	Description
PLOAD1	Low PIM load 100W, PIM <168 dBc, 700-2700 MHz, with handle
PLOAD2	Low PIM load 50W / 20W (30 mins / permanent), PIM <168 dBc, 700 - 2700 MHz, dual port DIN(m)-DIN(f)
PCAB3M	Low PIM cable 3m, PIM < 170dBc, DIN(m)-DIN(m)
TRQWRN25	Torque Wrench 7/16 DIN - 25Nm / 19 ft lb

Product Quality

AWT is committed to providing our customers products that meet highest quality standards. All AWT products undergo thorough quality checks and are ISO 9001 and ISO 14001 certified.

For more information on any of our products or services please visit our Web site:

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