



You do not notice PIM until it is already costing you customers.

A faint third-order product. A tiny intermodulation tone in the wrong place. Suddenly the call drops, the downlink throughput collapses, and the high-value enterprise tenant on the top floor is on the phone to facilities asking why their connection has gone backwards.

Passive intermodulation is the quiet killer of wireless system performance. It lives in connectors, cables, terminations and dividers, anywhere two signals meet a non-linearity and combine. It is especially punishing in modern DAS, small cell and shared-spectrum deployments where multiple high-power carriers share the same path.

The components in this snapshot are engineered to suppress it. Every product 100% PIM tested before shipment. Patented designs across attenuators, couplers, terminations and subassemblies. Frequencies from 130 MHz to 20 GHz. Power handling up to 250 W average.

If PIM is on your specification, or quietly costing you headroom in a system already deployed, the range below is where you start.

AT A GLANCE

130 MHz to 20 GHz

Frequency range

100%

Factory PIM tested

250 W

Max avg power (attenuators)

7 Patents

Proprietary low PIM technology

LOW PIM PRODUCT RANGE

Attenuators

Single and multi-channel. 400 MHz to 13 GHz. Up to 250 W avg. DIN, 4.3-10, N, NEX10 connectors.

LOW PIM

Directional couplers

DAS and general purpose. Patented TEM and tapered airline designs. 130 MHz to 20 GHz.

PATENTED

Power dividers

Wireless and general purpose. Wide-band low-loss. Optimised for DAS system architectures.

DAS READY

Terminations

High power, low PIM. Patented design. Rated for DAS system environments.

HIGH POWER

Hybrid combiners

90 and 180 degree hybrid designs. Wireless and broadband variants. In-building DAS use.

LOW PIM

DC blocks

Up to 6,000 V DC rated. Inner, outer and inner-outer. 500 to 6,000 MHz.

HIGH VOLTAGE

Cable assemblies

Low PIM coaxial cables. Custom lengths available. Suitable for DAS and lab test applications.

CUSTOM

Subassemblies

DAS antenna monitoring. Patented DC isolation and location code monitoring for individual antennas.

PATENTED

KEY ATTENUATOR MODELS: QUICK REFERENCE

Model	Freq range	Connectors	Max power	Notes
AT-A97-XX	400 to 7,125 MHz	4.3-10, Type N	200 W	Single ch. 3 or 6 dB, Low PIM
AT-A69	400 to 13,000 MHz	4.3-10	250 W	Single ch. 10/20/30 dB, Low PIM
AT-A12	700 to 18,000 MHz	DIN, N	250 W	Widest freq. range, 11 dB
AT-A76	698 to 6,000 MHz	DIN, 4.3-10	200 W	30 dB single channel
DAS-B14	380 to 4,200 MHz	4.3-10	50 W	4-channel, 6 to 30 dB steps
DAS-B45	600 to 6,000 MHz	NEX10	20 W	12-channel, 20 to 40 dB