

# PIM Point™ Datasheet



## Transmit Specifications

Parameter	Value
Operating frequency bands	600MHz – 2.7GHz.
Transmit bandwidths (programmable)	Standard 2xCW or wideband modulation of up to 60MHz bandwidth
Frequency accuracy	2 ppm
Frequency Increments	100KHz
Power per tone	+30dBm to +44dBm, total combined max power +48dBm
Reverse power protection	+48dBm, indefinitely

## Receive Specifications

Parameter	Value
Reverse IM	@2x44dBm, -34dBm to -130dBm, -78dBc to -174dBc*
Noise Floor	<-134dBm typical (@1200Hz BW), <140dBm typical (@300Hz BW) <-145dBm typical (@30Hz BW)
Dynamic Range (typical)	100 dB
Input Power	-20/0 dBm (Usable/No damage)
Measurement Accuracy	+/- 1.0 dB (Typical)

## Physical/Environmental and Electrical Specifications

Parameter	Value
Main Power	100V to 240V, 50/60Hz
Power Consumption	Typical 350W (600MHz to 2.7GHz)
Operating Temperature	-10 °C to +50 °C, forced air cooling
AISG Controller	Capable of controlling and powering an AISG v2.0 RET
Compliance	ETSI EN 300 019-1-3 class 3.3 (Stationary use, weather protected location)
Physical dimensions 4U form factor box (Bench or Rack mount): 1U analyser, 1U duplexer and 2U PA	Analyser: 482 (Width), 45 (Height), 360 (Depth) mm PA: 482 (Width), 90 (Height), 350 (Depth) mm
Weight	Analyser:5.9Kg PA: 10.25Kg

### Ordering information

#### For Antenna Testing

**NIM 600-1000:** Wideband PIM test system, low band, PIM detection and location

**NIM 1400-2700:** Wideband PIM test system, high band, PIM detection and location

#### Duplexers for Antenna/ reverse PIM test:

**NIM Option 600, 3GPP B71:** TX: 617-652MHz, RX: 663-698MHz

**NIM Option 700L, 3GPP B12:** TX: 728-759MHz, RX: 698-716MHz

**NIM Option 700, 3GPP B28:** TX: 758-803MHz, RX: 703-748MHz

**NIM Option 700H, 3GPP B13:** TX: 728-758MHz, RX: 776-788MHz

**NIM Option 800, 3GPP B20:** TX: 791-821MHz, RX: 832-862MHz

**NIM Option 850, 3GPP B5:** TX: 860-896MHz, RX: 824-851MHz

**NIM Option 900, 3GPP B8:** TX: 925-960MHz, RX: 880-915MHz

**NIM Option 1800, 3GPP B3:** TX: 1805-1880MHz, RX: 1710-1785MHz

**NIM Option 1900, 3GPP B2:** TX: 1930-1990MHz, RX: 1850-1910MHz

**NIM Option 2100, 3GPP B1:** TX: 2110-2170MHz, RX: 1920-2090MHz

**NIM Option 2600, 3GPP B7:** TX: 2620-2695MHz, RX: 2500-2590MHz