

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 | Bench unit: 518 (Width), 200 (Height), 400 (Depth) mm Rack unit: 485 (Width), 178 (Height), 355 (Depth) mm |
| Weight | Bench unit: 18.5Kg, 41lbs (excluding duplexer) Rack unit: 17.5Kg, 38.8lbs (excluding duplexer) |

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