

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
PIMPoint Control (software to analyse PIM runs on personal computer)	Specification of PC required (PC is not supplied) Minimum specification Intel core i3-6100 or AMD FX4350 processor, 8GB of RAM to USB 3.0 ports, an HDMI 1.3 port and Windows 7 or higher

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:

<u>NIM Option 600, 3GPP B71:</u>	<u>TX: 617-652MHz, RX: 663-698MHz</u>
<u>NIM Option 700L, 3GPP B12:</u>	<u>TX: 728-759MHz, RX: 698-716MHz</u>
<u>NIM Option 700, 3GPP B28:</u>	<u>TX: 758-803MHz, RX: 703-748MHz</u>
<u>NIM Option 700H, 3GPP B13:</u>	<u>TX: 728-758MHz, RX: 776-788MHz</u>
<u>NIM Option 800, 3GPP B20:</u>	<u>TX: 791-821MHz, RX: 832-862MHz</u>
<u>NIM Option 850, 3GPP B5:</u>	<u>TX: 860-896MHz, RX: 824-851MHz</u>
<u>NIM Option 900, 3GPP B8:</u>	<u>TX: 925-960MHz, RX: 880-915MHz</u>
<u>NIM Option 1800, 3GPP B3:</u>	<u>TX: 1805-1880MHz, RX: 1710-1785MHz</u>
<u>NIM Option 1900, 3GPP B2:</u>	<u>TX: 1930-1990MHz, RX: 1850-1910MHz</u>
<u>NIM Option 2100, 3GPP B1:</u>	<u>TX: 2110-2170MHz, RX: 1920-2090MHz</u>
<u>NIM Option 2600, 3GPP B7:</u>	<u>TX: 2620-2695MHz, RX: 2500-2590MHz</u>