

Power Meter Broadcast



The **PMB** - Power Meter Broadcast - provides real time RF Power

+ MAIN FEATURES

- Permanent Monitoring of RF-System chains, Combiner, Patch Panel, Main Feeder or Antenna
- High Accuracy Real Time RL/VSWR and True RMS Forward and Reverse RF power measurements, Broadband and Channelized
- Spectrum Analysis real-time
- Frequency range : DRM, FM, DAB and UHF
- Dashboard SW interface with real time RL/VSWR and Forward and Reverse RF power, Trend curves with configurable Warning and Alarm Thresholds
- Notifications via SNMP and Email
- Compatible with all vendors Directional Coupler
- RFHAWKEYE compatible

Software Features

DC-1-5/8-FM

Return Loss [dB]: 18.80
FWD Power [W]: 35.70
REFL Power [W]: 0.47

Last Update: 2024-08-12 11:55:13

Broadband VSWR measurement

Channelized VSWR measurements

DVBT

Return Loss [dB]: 21.08
FWD Power [W]: 1183.00
REFL Power [W]: 9.23

Channel	Status	FWD Power [W]	REFL Power [W]
213		219.270	1.618
305		283.493	2.267
320		168.824	1.807
321		511.409	3.534

Last Update: 2025-02-10 11:01:58



Spectrum Analysis in real-time

General

Dimension	19" sub-rack – 1HU / H88.9mm x W483 x D300mm
Operating Temp	-5 to 45 °C (ETSI EN 300 019-2-3)
Safety	EN60950-1 – EN61326-1
Weight	2.5 kg box.

Power Measurement (True RMS)

Max input power at RF interfaces	+15 dBm
Dynamic Range	55 dB
Accuracy	+/- 0.5dB

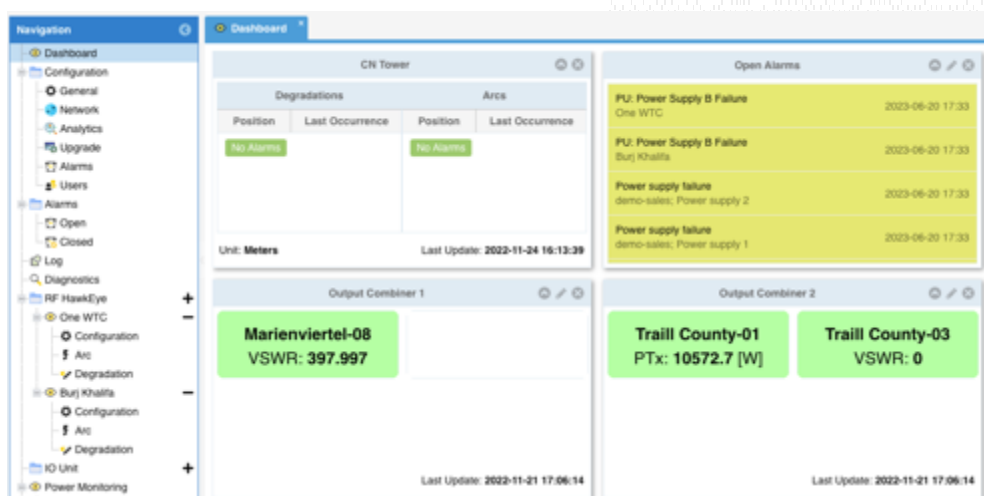
Interfaces

RF interfaces	4-8 x SMA Female Connectors
Data Interfaces	3x LAN RJ45 back panel 1x RS485 or 1x TEMP, SUB-D 9-pin
Interlock Interface	4x Relays SPST, SUB-D 9-pin

System

Protocols	SNMP v2.0 , SNMP v3.0 Client, Agent TCP/IP web page Http/Https web interface
Power Supply	1 x AC 90 ...264V, 47....63Hz – IEC

Integrated dashboard offering real-time insights and full system visibility



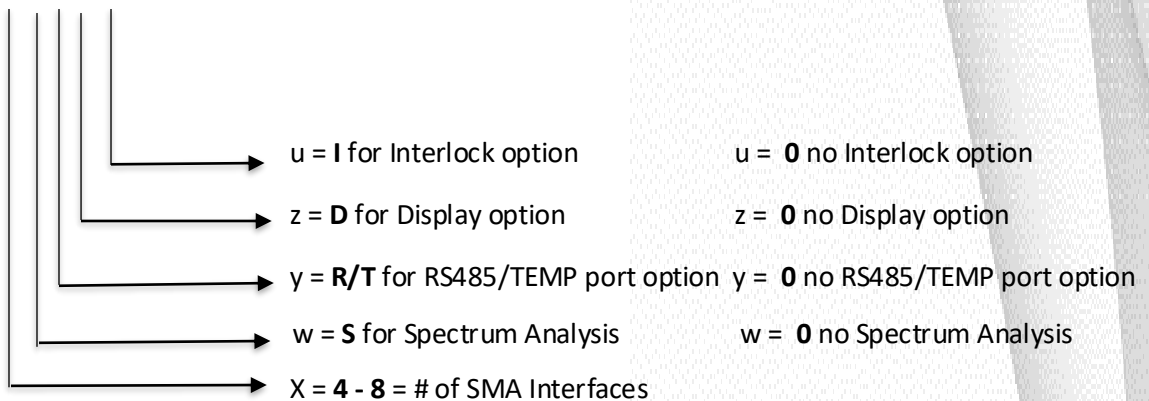
Ultra-low Power Consumption – Green Version



Optimized for energy efficiency, minimizing operational costs and environmental impact.
Ideal for long-term deployments where **sustainability and reduced power usage** are priorities.

Version:

PMB-1X-w y z u



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