



**PMM 9180**  
**18 GHz EMI Receiver Unit**



The only full-compliant EMI receiver directly connected to the antenna

# PMM 9180

## 18 GHz EMI Receiver Unit

PMM 9180	
<b>Frequency range</b> Resolution Reference frequency	6 GHz to 18 GHz 100 Hz < 2 ppm
<b>RF input</b> VSWR 10 dB RF att. 0 dB RF att.	$Z_{in}$ 50 $\Omega$ , N fem. (SMA)  < 2 < 3
Attenuator Preamplifier gain	0 dB to 45 dB (5 dB steps) 20 dB
<b>Max input level</b> Sine wave AC voltage	137 dB $\mu$ V (1 W) without damage
<b>Preselector</b> Frequency ranges	6 GHz to 9 GHz 9 GHz to 12 GHz 12 GHz to 15 GHz 15 GHz to 18 GHz
<b>IF bandwidth</b>	3, 10, 30, 100, 300 kHz (-6 dB) 9 kHz - 120 kHz - 1 MHz (CISPR)
<b>Noise level, 6 to 18 GHz</b> Preselector ON - Preamplifier ON RBW 1 MHz	PK < 8 dB $\mu$ V (6 dB $\mu$ V typ.) AVG < 3 dB $\mu$ V (1 dB $\mu$ V typ.)
Preselector ON - Preamplifier OFF RBW 1 MHz	PK < 28 dB $\mu$ V (26 dB $\mu$ V typ.) AVG < 22 dB $\mu$ V (20 dB $\mu$ V typ.)
Preselector ON - Preamplifier ON RBW 10 kHz	PK < - 12 dB $\mu$ V (- 14 dB $\mu$ V typ.) AVG < - 17 dB $\mu$ V (- 19 dB $\mu$ V typ.)
<b>Spurious response</b>	< 20 dB $\mu$ V
<b>Measurement accuracy</b> S/N > 20 dB	6 to 18 GHz $\pm$ 2.0 dB
<b>I/O Interface</b>	High Speed Optical
<b>Operating temperature</b>	-5° to 45° C
<b>Power supply</b>	10 - 15 Vdc, 2.5A Plug-in Li-Ion rechargeable battery (4h avg. duration)
<b>Dimensions</b>	235x105x105 mm
<b>Weight</b>	2.2 kg

03/2011 Preliminary specifications subject to changes without prior notice



Universal installation kit



Optical link up to 100 m

**PMM 9180**  
**18 GHz EMI Receiver Unit**  
**The only full-compliant EMI receiver**  
**directly connected to the antenna**



A BRAND OF



**narda**  
**Safety Test Solutions®**  
an  Communications Company

**Narda Safety Test Solutions Srl**

Via Leonardo da Vinci, 21/23 - 20090 Segrate (Milano) - ITALY

Phone.: +39 02 269987-1 - Fax: +39 02 269987-00

E-Mail: support@narda-sts.it - Internet: www.narda-sts.it