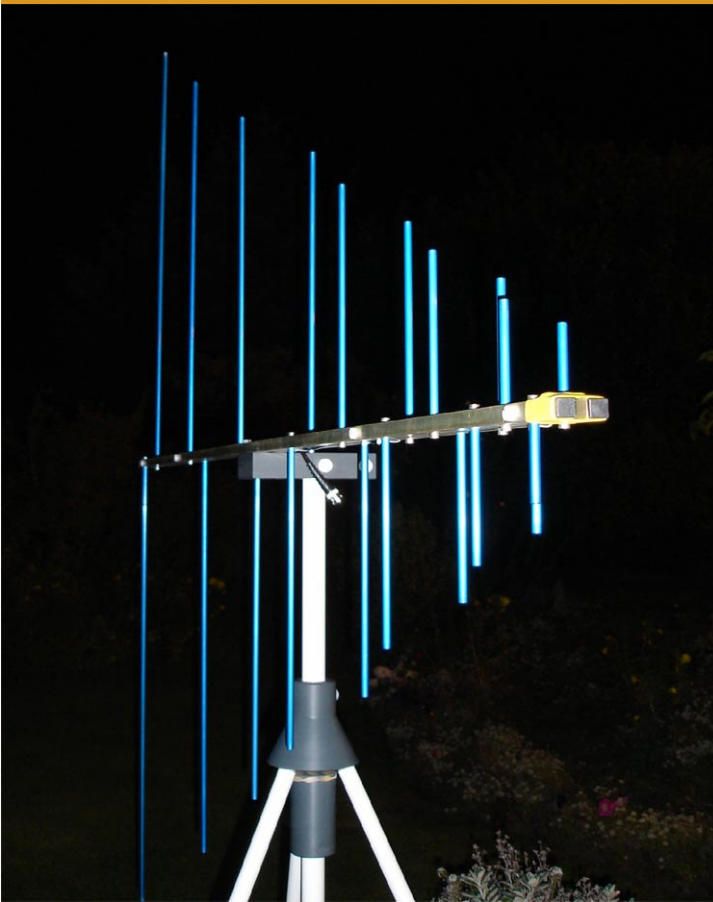


# BROADBAND ANTENNAS

RF2xx

High performance EMC antennas to cover the range 30MHz - 4GHz

- ▼ One antenna covers complete band C and D (30MHz - GHz)
- ▼ Compact antenna for 700MHz - 4GHz
- ▼ Supplied with calibration data
- ▼ Excellent sensitivity, ideal for EMC testing
- ▼ Vertical and horizontal polarisation



**COMPREHENSIVE** The RF200 is designed to cover the whole range from 30MHz to 1GHz in one sweep. No need to change antenna part way through the scan.

**CALIBRATION** The RF2xx design is fully calibrated on the 10m OATS site at NPL. This data is included with each antenna. For emissions measurement, the RF200 is used in conjunction with the SA1020 pre-amplifier. This 'head' amplifier improves sensitivity and decouples the output lead from the antenna, avoiding spurious cable influences on the results.

The RFxx range are specifically designed for general use as EMC emissions measurement antennas. They combine excellent broadband characteristics with high sensitivity and sturdy construction.

Although primarily used with the Laplace range of analysers and receivers, they can be used with any other receiver and are supplied with full calibration data so that antenna factors can be entered into any third party system.

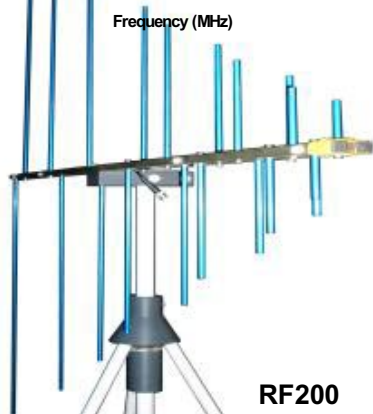
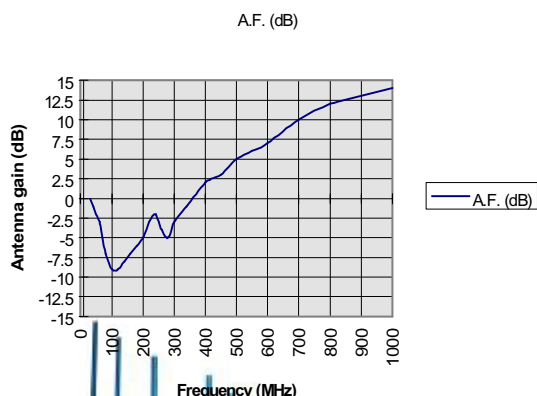
In order to achieve optimum performance stability, the RF200 is designed to work with the SA1020 pre-amplifier, located at the head of the support. This improves sensitivity and ensures that cable configuration does not affect results.

The RF200 is supplied complete with rigid stand and the RF230 is complete with an all plastic miniature tripod.

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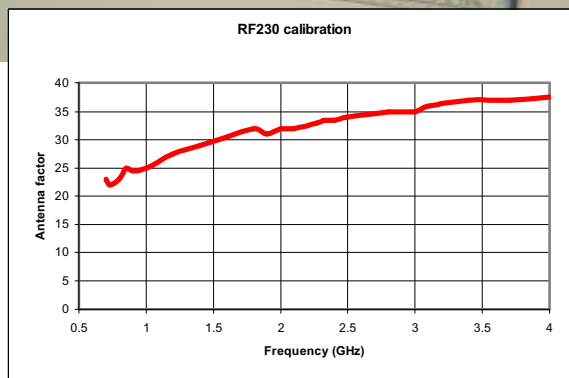


# Broadband Antennas - Specifications



## RF200

Frequency range	30MHz – 1GHz
Antenna factor	See above. Data issued with each antenna
Generic Calibration	Measured at the NPL 10metre EMC test site at Teddington, London.
Connector	BNC
Nominal impedance	50 ohm
RF Output power	100W
Ancillaries	SA1020 pre-amplifier.
Antenna type	Modified log-periodic
Size	Length: 1.7m Across elements: 1.6m
Construction	Tubular Aluminium main beam Anodised aluminium elements
Stand	Adjustable height: 1m to 2.1m Tubular fibreglass/epoxy elements PVC/nylon mountings
Included	Antenna. Stand. 5m BNC – BNC output cable. Element assembly tool. User manual with assembly instructions Calibration data.



## RF230

Frequency range	700MHz—4GHz
Antenna factor	See above, Data issued with each antenna
Generic Calibration	Individually calibrated at test laboratory
Connector	SMA
Nominal impedance	50 ohm
RF Output power	100W
Ancillaries	Carry case
Antenna type	Log-periodic
Size	34cm x 20cm
Construction	PCB with outer cover
Stand	Miniature tripod
Included	Antenna Hard carry case 5m SMA—BNC lead Tripod Calibration data

Available from:



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