

Electro-Magnetic Field (EMF) monitoring equipment available in the 'STFC'

Frequency Range	Equipment	Location and Owner	Commentary
	Narda NBM-550SET15 – Broadband Field Meter	ISIS, Matt North, ext. 8180	
DC and 1kHz	Narda HP-01 magnetometer	ISIS, Stuart Raisey-Skeats, ext. 8351	
DC and 1kHz	THM1176 Hall magnetometer for measurements of magnetic fields from mT up to 20T, between DC and 1kHz. This machine has the option of instantaneous readouts in 3 axis as well as a total field reading and the facility to measure over time and store the results. Full instruction manual is in the carry case. For further info see instruction for Hall Magnetometer THM1176	RAL, locker F in R79, Derek Bayley, ext. 5957/ Dave Gibbs ext. 5181	Loans book to be left with the equipment to keep a track of movements. The kit will be sent back for calibration as required. Calibration certificates will be held with the equipment.
1Hz-400kHz	Narda EHP-50F - Isotropic E&H-Field Sensor, 1Hz-400kHz	ISIS, Matt North, ext. 8180	
5 Hz and 32kHz	Narda EFA 300 EM Field analyser for measuring frequency fields between. The appropriate probes for E and H fields are supplied, including tripod. Full instruction manual is in the carry case. For further info see data sheet for EFA-200 & 300 Field Analysers	RAL, locker F in R79, Derek Bayley, ext. 5957/ Dave Gibbs ext. 5181	This is the range that is most likely to be of interest to departments across STFC, as it includes switched mode power supplies. Loans book to be left with the equipment to keep a track of movements. The kit will be sent back for calibration as required. Calibration certificates will be held with the equipment.
300kHz to 30MHz	Narda HF-3061 – H-Field Isotropic Probe – 300kHz to 30MHz	ISIS, Matt North, ext. 8180	
100kHz to 3GHz	Narda EF-0391 – E-Field Isotropic Probe – 100kHz to 3GHz	ISIS, Matt North, ext. 8180	
20 MHz - 3GHz	Rhode and Schwartz HE200 - information on HE200 Antenna	RAL, ISIS, R55 Electronics Lab,	Active directional antenna that may be useful for detecting a problem, but is un-calibrated and not

		Matt North, ext. 8139	suitable for the type of measurements required to comply with the forthcoming legislation.
30 MHz - 3GHz	Rhode and Schwartz Ultralog HL562 information on HL563 Antenna	RAL, DLS, Morten Jensen ext. 8064	Active directional antenna that may be useful for detecting a problem, but is un-calibrated and not suitable for the type of measurements required to comply with the forthcoming legislation.
100 kHz – 3GHz	Narda EMR-20	RAL, DLS, Morten Jensen ext. 8064	
100 kHz - 3GHz	Narda NBM-520	DL, ASTEC, MICE test hall Andrew Moss Ex 3898	E field probe 100kHz to 3GHz
100 kHz - 3GHz	Narda NBM-520	RAL, ISIS, R12, Workshop Rm 16 (tool cupboard) Stuart Raisey-Skeats, ext. 8351	E field probe 100kHz to 3GHz
100 kHz – 5GHz	Holiday HI-2200 (100 kHz – 5 GHz) see User Manual	RAL, DLS, Morten Jensen ext. 8064	
300 MHz – 50 GHz	Narda NBM-550 (300 MHz – 50 GHz) With EF 5091 (NBM) E-field probe P/N 2402/03 S/N 01009 Probe EF-0392 E-field (100kHz – 3 GHz) P/N 2402/12B S/N D-0203 information on NBM-550 broadband field meter	Chilbolton, Darcy Ladd ext. 2304	Needs re-calibrating
3 MHz – 18GHz	Narda EMR-300	DL, ASTEC, ALICE Andrew Moss Ex 3898	E field probe for 3MHz to 18GHz
100 kHz – 100 GHz	NardalertXT wearable personal RF monitors (x 2) Model D88862, ICNIRP 1998. Code: HF S/N: 53068 and 53069.	Chilbolton, Darcy Ladd ext. 2304	

	General information on EMF measurement		
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