TECHNICAL DATASHEET

EXTRONICS
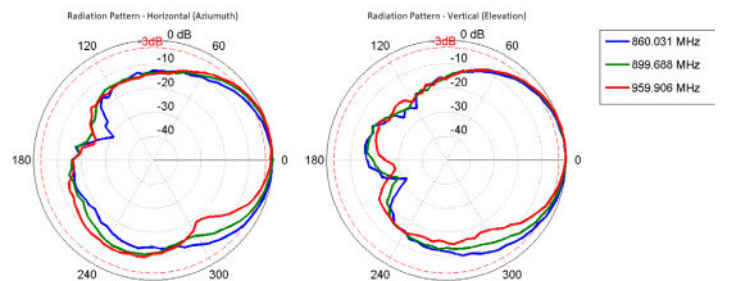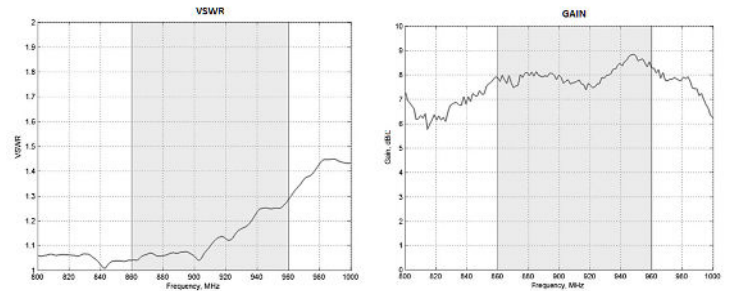
iANT 217

Directional simple apparatus UHF antenna.

Safe to use in hazardous areas when connected to an intrinsically safe RF output, such as the iWAP series or other solutions using the iSOLATE501

Ideal for a range of RFID applications, the iANT217 allows RFID tags to be read in any orientation

Circular polarisation makes it suitable for use with UHF RFID tag readers such as the iRFID101

Assessed by Extronics engineers as simple apparatus	UHF antenna with circular polarisation
Rugged with wide temperature range - use indoors or outdoors	Omnidirectional coverage with up to 5.8 dBi gain
Pole mount bracket available separately	Easy to install, no specialist tools needed

Extronics Released

Frequency range	860-960MHz
Gain (max)	8.8 dBiC (equivalent to 5.8 dBi)
Gain (min over the band)	7.5 dBiC (equivalent to 4.5 dBi)
VSWR	< 1.3:1
Polarisation	Right hand circular polarised
Axial ratio	< 1dB
Feed power handling	10 W
Horizontal 3dB beam width	67 ° (± 5 °)
Vertical 3dB beam width	69° (± 5 °)
Front to back ratio	20 dB (± 3dB)
Nominal input impedance	50 Ohms
Temperature range	-20°C to +70°C
Shock resistance	40G at 10msec
Thermal shock resistance	-20°C to +70°C
Wind loading	160 km/h
Ingress protection	IP65 (NEMA 4X)
Dimensions	H250 mm x W250 mm x D40 mm
Weight	470g
RF connections	Supplied with 0.3m RG58 cable & N-female connector (mounting bracket not included)

ORDERING INFORMATION

IANT217	iANT217 UHF circular polarised antenna
IANTMB217	Pole mount bracket for iANT217

www.extronics.com | info@extronics.com | +44 (0) 845 277 5000   401835(6)