

Technical Note

Subject: **Transmission Licence Application Information for the Blighter B202 Radar (US Model)**

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Plextek's Blighter B202 Radar has CE(!) approval and FCC certification to allow it to be sold into the European and American continents respectively. In most countries it is necessary for the operator of the equipment to acquire a Transmission Licence from the national spectrum management authority. In the UK this is OFCOM and in the USA, the FCC.

Each licensing authority asks for specific characteristics of the transmitting equipment. This document provides the majority of information required by most authorities.

Please note that this information must not be freely distributed. It may only be supplied to the relevant licensing authority and wherever possible, the licensing authority should also be asked to restrict the distribution of the information.

Model Number	Blighter B202
Manufacturer	Plextek Ltd. London Road, Great Chesterford, Essex, CB10 1NY United Kingdom Tel. +44 1799 533200 Email: blighter@plextek.co.uk Web. www.plextek.com or www.blighter.com
Class of emission - UK	1G00WXN
Class of emission - USA	1G00WXN
FCC Certification	FCC IDENTIFIER: UFQ-BLIGHTER-202 Name of Grantee: Plextek Ltd Equipment Class: Licensed Non-Broadcast Station Transmitter
Instrumented range of operation	10 metres to 8000 metres

Antenna Gain	20 dBi min, 24 dBi max.
Antenna Beamwidth - Azimuth	3.5° – 9.5° over approx. 80° electronic-scan segment
Antenna Beamwidth - Elevation	±9° to ±11° about boresight (0°)
Polarisation	Linear Horizontal
Peak Transmitter Power supplied to Antenna	+1 dBW = 1.26 Watts
Theoretical Peak Radiated Power (EIRP)	+25 dBW
Theoretical Mean Radiated Power (EIRP)	+23 dBW
Measured Mean Effective Radiated Power (ERP) (For FCC)	166 Watts