

## FCC License WB Radar Info

### 1 Licence Application Information

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Model Number		Blighter A422
Manufacturer		Blighter Surveillance Systems Ltd. Iceni House, London Road, Great Chesterford, Saffron Walden, CB10 1NY United Kingdom Tel. +44 1223 491122 Email: <a href="mailto:sales@blighter.com">sales@blighter.com</a> Web: <a href="http://www.blighter.com">www.blighter.com</a>
International Emission Designator Code	USA	26M0Q3N
Frequency of operation	USA (Wide Band Version)	15.7GHz to 17.2GHz
Instrumented range of operation		10 metres to 10,000 metres
Antenna Gain	W20S Antennas M10S Antennas	+19dBi min, +23dBi max. +23dBi min, +27dBi max.
Antenna Azimuth Beamwidth	A422	3.7° – 5.2° over approx. 180° electronic-scan segment
Antenna Elevation Beamwidth	W20S Antennas M10S Antennas	±10° about boresight (0°) ±5° about boresight (0°)
Polarization		Linear Horizontal

Peak Transmitter Power supplied to the Antenna		+7.48dBW	(5.6 Watts)
Theoretical Peak Radiated Power (EIRP)	W20S Antennas	+30.5dBW	(1117 Watts)
	M10S Antennas	+34.5dBW	(2807 Watts)
Theoretical Mean Radiated Power (EIRP)	W20S Antennas	+29.7dBW	(933 Watts)
	M10S Antennas	+33.7dBW	(2344 Watts)
Peak Effective Radiated Power (ERP)	W20S Antennas	+28.3dBW	(676 Watts)
(For FCC applications)	M10S Antennas	+32.3dBW	(1698 Watts)
Mean Effective Radiated Power (ERP)	W20S Antennas	+27.6dBW	(562 Watts)
(For FCC applications)	M10S Antennas	+31.6dBW	(1413 Watts)