

**Email response from Plextek to FCC question - sent 18 Aug 2005 to
'Generic Office of Engineering Technology'**

Thank you for your question.

Blighter has been designed to operate in the NATO International Radiolocation band from 15.7 to 17.2GHz. Its method of operation relies on contiguous frequency steps throughout the band. Unfortunately, partial availability of the band as proposed will render the radar unuseable as it is not able to associate detections across the whole band.

Please remember that Blighter is a very low power (1 Watt mean) ground based radar system. By virtue of its low level operation, typically 5 feet off the ground, it has a very limited horizon. It is common for the radar line of sight to be less than the instrumented range. i.e. Although in theory the radar can see targets at ranges up to 3 miles, in practice the lie of the land often limits this to 1 mile maximum, especially for demonstration purposes.

Robin Ireland
Sales and Marketing Engineer
Plextek Ltd
London Road
Great Chesterford
Essex CB10 1NY UK
Tel: +44 (0)1799 533200
FAX: +44 (0)1799 533201
<http://www.plextek.com/>

-----Original Message-----

From: Generic Office of Engineering Technology
[mailto:oetech@fccsun27w.fcc.gov]
Sent: 17 August 2005 21:19
To: Robin Ireland
Subject: FCC File # 0479-EX-ST-2005 [Reference Number: 3826]

Dear Mr. Robin Ireland:

Please respond to the following question using the procedures described at the bottom of this correspondence:

The Federal Aviation Administration has concerns about the use of the lower portion of the requested band. Is it possible to demonstrate the system's capabilities using only 16.2 - 17.2 GHz instead of 15.7 - 17.2 GHz? If not, please explain why.

Confirmation Number: EL546887
jkennedy@fcc.gov

=====
The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the

requested information within 30 days of 08/17/2005 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://gullfoss2.fcc.gov/prod/oet/cf/els/index.cfm>