

MEMORANDUM

To: FCC and NTIA
From: Maxband, LLC
Date: January 19, 2005
Re: Experimental license at 26 GHz for evaluating next generation point-to-multipoint millimetric microwave equipment prior to committing to the expense of rebanding the equipment to US commercial frequencies at 24 GHz

Maxband, LLC is seeking approval to operate a technical trial and demonstration of millimetric microwave point-to-multipoint equipment manufactured by JRC, Co. Ltd. This equipment is designed to operate in the 26 GHz bands that are licensed for fixed wireless access systems in Japan and other world markets.

Maxband and LCC are jointly interested in evaluating this technology for potential use in the United States that will require the rebanding of the equipment into appropriate licensed spectrum in the 24 GHz bands. We are seeking an experimental license to evaluate the equipment operating in its native 26 GHz frequency bands, to determine if it meets our performance and operational requirements.

The commercial deployment of wireless broadband access systems in the millimetric microwave spectrum bands has been slowed by high equipment costs and performance that has failed to take advantage of the large amount of contiguous bandwidth available. Maxband and LCC are very interested in testing the JRC equipment to determine if this technology has solved these two key issues of price and performance.

The experimental license is requested as an efficient means to learn if the expense to reband the JRC system is justified. The non-recurring expense required to develop versions of this equipment that are compliant with US frequencies will cost approximately \$1MM. The applicants respectfully request this experimental license to evaluate the equipment before facing this substantial expense.

Thank you and best regards,

Maxband, LLC