

John Kennedy

From: Hallock, Gary W (Gary) [ghallock@lucent.com]

Sent: Tuesday, October 31, 2006 3:05 PM

To: John Kennedy

Cc: Hallock, Gary W (Gary)

Subject: RE: FCC File # 0294-EX-PL-2006

The developing and testing of the new MIMO technology is expected to take several years to complete thus the experimental license request was for greater than 24 months. If a 40 month request will cause a delay to obtain beyond that of a 24 month, then we can do a 24 month now and later request a renewal.

From: John Kennedy [mailto:John.Kennedy@fcc.gov]

Sent: Tuesday, October 31, 2006 2:23 PM

To: Hallock, Gary W (Gary)

Subject: RE: FCC File # 0294-EX-PL-2006

Mr. Hallock,

Are you requesting a 40 month experimental license or a standard 24 month experimental license? Please justify the need for a 40 month license if this is what you are requesting.

John W. Kennedy

Federal Communications Commission

Office of Engineering and Technology

Experimental Licensing Branch

(202) 418-2484

From: Hallock, Gary W (Gary) [mailto:ghallock@lucent.com]

Sent: Friday, October 13, 2006 3:48 PM

To: John Kennedy

Cc: Hallock, Gary W (Gary)

Subject: FCC File # 0294-EX-PL-2006

Since the original submission back in June there are some changes we want make. They include:

1. Addition of a description of the experiment:

This license is required by the Government Communications Laboratory part of Lucent Technologies to support internal development of rapid, robust, high-data-rate communications for the the warfighter in challenging multipath environments. Lucent is developing and testing Multiple Input Multiple Output (MIMO) technology. This testing is being done in bands to allow testing in the Whippany, NJ area where the Lucent facility associated with their work is located, as well as other potential nationwide sites for marketing demonstrations to the Government. The experiments are typically outdoor testing of ground platforms in topology where the platforms are within a radius of a couple of miles.

Note:

In the event that we secure a Government contract and want to do related experimentation, I understand tat we will either need to modify this license or request a new license.

2. Change in Experiment purpose to XD (for development) and not XC (for contract). Reduction of the frequency band. Reduction of the power. In summary:

10/31/2006

From:
Service: XC MO

MOBILE: NATIONWIDE

Frequency	Station Class	Emission Designator	Authorized Power
2390-2483.5 MHz	MO	83M5W7D	320W (ERP)
2500-2680 MHz	MO	100MM7W	320W (ERP)
2500-2680 MHz	MO	100MQ7D	320W (ERP)

To:
Service: XD MO

MOBILE: NATIONWIDE

Frequency	Station Class	Emission Designator	Authorized Power
2400-2483.5 MHz	MO	83M5W7D	320W (ERP)
2500-2600 MHz	MO	100MM7W	320W (ERP)
2500-2600 MHz	MO	100MQ7D	320W (ERP)

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