

From: Jas Dhaliwal

To: Leann Nguyen

Date: August 10, 2010

Subject: FCC File# 0327-EX-PL-2010

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Message:

Date: August 10, 2010

Ms. Leann Nguyen

Federal Communications Commission

445, 12th Street, SW

Washington, DC 20554

Reference Number 11506: Experimental Radio License File Number: 0327-EX-PL-2010:

Dear Ms. Leann Nguyen:

Description of operations and purposes for this experiment:

1. Operation: Install and power radios on mast at each site. Purpose: verify mechanical mounting hardware design and generate/verify installation manual instructions.
2. Operation: Align antennas at each site. Purpose: Verify far-field antenna gain performance and mechanical azimuth & elevation antenna adjustment hardware. Generate/verify installation manual alignment instructions.
3. Operation: View the LEDs on each radio that indicate link status: Purpose: Initial verification that radio link is operational.
4. Operation: Connect PC with craft terminal software to each radio in link. Purpose: Verify electrical system gain of radio link by comparing indicated performance to link calculations and other relevant status indications..
5. Operation: Connect payload Ethernet traffic using traffic generator at each radio. Purpose: to verify payload traffic is carried error free.
6. Operation: Run installed system with traffic for extended period with remote monitoring. Purpose: Verify error free performance and stability of all of the circuitry over the long link distance compared to the short length laboratory setups.
7. Operation: Remove the installed experimental link when experiment concluded

Note: Expert personnel to be simultaneously at each site during install and commissioning operations.

Stop Buzzer:

Carl Lynch will be the Stop Buzzer and myself be the alternate stop buzzer.

Therefore I earnestly request to approve the subject application. I shall be highly thankful for the timely help.

Sincerely,

Jas Dhaliwal

Manager

Compliance Engineering and Approvals

BridgeWave Communications, Inc.

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