

Desired Frequency (MHz)	Potential Frequency (MHz)	Max RF Output at TX (Watts)	Max ERP (Watts)	Peak or Mean Power	Emission	Modulating Signal
129	138-144 144-146	6	12	Mean	40K0D1W	20 kHz
404	335.4-399.9 420-450	6	24	Mean	16K0D1W	8 kHz
897	890-902 902-928	6	24	Mean	400KD1W	200 kHz
1754	1710-1755	6	24	Mean	400KD1W	200 kHz

Site Location Information:

Fixed Site
12257 Highway 121
Jefferson County
Littleton, CO
North 39 30 31, West 105 5 57

Directional Antenna Used: Yes

Beamwidth: 70°

Orientation in horizontal plane: 360°

Orientation in vertical plane: 90°

Antenna will not be more than 6 ft above ground

System is designed for antenna to clear trees and terrain by 5 meters

Equipment Manufacturer:

Symmetricom Hail Mary 3	1 unit	Not Experimental
HP 33120A	1 unit	Not Experimental
HP 3000A	1 unit	Not Experimental

The purpose for pursuing the FCC license at the Lockheed Martin Waterton facility is to experiment with different waveform types for Homeland Security and Global War on Terror wireless applications for corporate research project.

Testing is expected to occur for a period of one year. During this time, these tests will be conducted periodically on an average of 2 days per weeks, and no more than three times per day. The duration of the transmission at the power levels in the table listed above is expected to last 20 minutes or less for each test.

Requested start date: October 31, 2008