

From: Joseph Essex

To: Jose Trevino

Date: May 05, 2008

Subject: FCC file number 0547-EX-PL-2007

Message:

I have been in contact with the FAA and believe I have come to an understanding. The FAA uses a number of frequency bands in the same bands I will need to perform testing in. Happily, there are open bands which will allow me to perform my testing without any possibility of conflict with the FAA. The following is a list of my test bands and the FAA frequencies. I will amend my application to use only the non-allocated bands in order to avoid any conflict with the FAA. I will maintain a fairly broad request for frequencies so that I can adjust my test frequency as required to avoid conflict with non-FAA users. I will be monitoring each frequency to be used prior to testing and adjust my test frequency if other use is detected.

Test Frequencies	Frequency Allocations from Appendix 1 of 6050.19E	
9 to 11 kHz Magnetic	No listing for FAA use	
140 to 160 kHz Magnetic	No listing for FAA use	
14 to 16 MHz Magnetic (Route)	2.1 - 28.0 MHz High Frequency Communications	Aeronautical Mobile
300 to 500 MHz Plane Wave navigation	225.0 - 328.6 MHz UHF Air/Gnd Communications	Fixed, Mobile
	328.6 - 3.35.4 MHz NAVAID (ILS Glide Slope)	Aeronautical Radio
	335.4 - 399.9 MHz UHF Air/Grd Communications	Fixed, Mobile
	399.9 - 406.0 No Listed FAA Use	
	406.0 - 406.1 MHz Satellite Emergency Position	Mobile-Satellite
	406.0 - 935.0 MHz Fixed Communications	Fixed
0.9 to 1 GHz Plane Wave	0.9 - 0.932 GHz No Listed FAA Use	
	932.0 - 935.0 MHz Fixed Communications	Fixed
	935.0 - 941.0 MHz No Listed FAA Use	
	941.0 - 944.0 MHz Fixed Communications	Fixed
	944.0 - 960.0 MHz No Listed FAA Use	
4.5 to 5.5 GHz Plane Wave navigation	4.4 - 5.0 GHz No Listed FAA Use	
	5.0 - 5.25 GHz NAVAID (Microwave Landing System)	Aeronautical Radio
	5.25 - 5.35 GHz No Listed FAA Use	
navigation	5.35 - 5.46 GHz Airborne Radar	Aeronautical Radio
8.5 to 10.5 GHz Plane Wave	8.5 - 8.75 GHz No Listed FAA Use	
	8.75 - 8.85 GHz Airborne Doppler Radar	
	8.85 - 9.0 GHz No Listed FAA Use	
	9.0 - 9.2 GHz Military Precision Approach Radar	
	9.2 - 9.3 GHz No Listed FAA Use	
	9.3 - 9.5 GHz Airborne Radar	
	9.5 - 11.7 GHz No Listed FAA Use	

I believe that this change will satisfy any concerns and should allow my application to go through.

Thank you for your help and understanding though this application

Joseph Essex
Sr. Electrical Engineer
AAR Mobility Systems