

From: David Wagreich

To: Anthony Serafini

Date: May 21, 2015

Subject: Request for Info - File # 0854-EX-PL-2014

Message:

This further reply to correspondence is with regard to reference number 27257. This pertains to an application for Experimental License by Astraeus Aerial, LLC to operate an unmanned aerial vehicle in accordance with Federal Aviation Administration ("FAA") Grant of Exemption in regulatory docket No. FAA?2014?0352, Exemption No. 11062, dated September 25, 2014.

On 4/16/2015 Astraeus requested a 45-day extension in which to reply.

On 5/15/2015 Astraeus requested an amendment to the original application through correspondence.

Today Astraeus is submitting this additional correspondence.

By this correspondence, Astraeus Aerial requests further amendment to its most recent proposal to eliminate 2.4 GHz frequencies from the (47 C.F.R. Part 5) experimental license application.

In response to a request from the FCC for a precise clarification of frequencies, emissions, and power levels now being proposed by Astraeus, a further review of the various FCC grants of Equipment Authorization for the proposed transmission equipment revealed the transmitters listed in the original application that operate in the 2.4 GHz spectrum are doing so in accordance with FCC Rules Part 15C. As such they are unlicensed and are being deleted from this Part 5 application for experimental license.

To be accurate and simple, this amendment updates below the entire list of requested action frequencies with their class, power, emission information and modulation data in the same format of the original application 0854-EX-PL-2014. Duplicate entries have also been eliminated from the list below.

Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
430.00000000-450.00000000 MHz	MO	600.000 mW 600.000 mW	P	20.00000000%	20K0F8W	GFSK FHSS
Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
431.00000000-433.00000000 MHz	MO	600.000 mW 600.000 mW	P	20.00000000%	20K0F3W	GFSK FHSS
Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
433.00000000-435.00000000 MHz	MO	600.000 mW 600.000 mW	P	20.00000000%	20K0F3W	GFSK FHSS
Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
435.00000000-437.00000000 MHz	MO	600.000 mW 600.000 mW	P	20.00000000%	20K0F3D	GFSK
Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
1255.00000000-1261.00000000 MHz	MO	400.000 mW	M	20.00000000%	5M75F3W	

Frequency	Station Class	Power/ERP	Mean Peak	Frequency Tolerance	Emission Designator	Modulating Signal
1277.00000000- 1283.00000000 MHz	MO	400.000 mW	M	20.00000000%	5M75F3W	

Please direct inquiries or questions to Astraerus's technical consultant: Carl Gluck, Senior Engineer, Carl T. Jones Corporation, Springfield, VA (cgluck@cjtc.com).