

Carl Huie

" SUPPLEMENT "

From: Ross Coffelt [Coffelt.Ross@orbital.com]  
Sent: Wednesday, November 05, 2003 4:36 PM  
To: Carl Huie  
Cc: Christopher Massa; Timothy Lewis  
Subject: STA For DART Project

Importance: High

Mr. Huie,

I have submitted and STA for Orbital Sciences' Integration and Test work on the DART vehicle that we are building for NASA. Confirmation number EL13797, STA File number 0436-EX-ST-2003. I had a little trouble entering the frequencies and emissions, so I hope that they are correct. The point of contact that I used for this is Chris Massa, who is the Integration and Test Manager for this project. If you need any more information or clarification for this license, either he or I should be able to get you an answer. I have included the pertinent details below just in case in the process something got corrupted:

Transmitter Comment	Carrier / Center frequency (MHz)	Band Width Null-Null (MHz)	EIRP Maximum (dBW)	Modulation	Building shielding (dB)
S-band telemetry	2288.5	.1	4.8* (1.85 w)	FSK	20
UHF	401.5	1	-30	OQPSK	20
S-band Video	2235.5	15	6.65 (v.e)	FM	20

During the I&T process we will be using RF Absorber "hats" on all the transmitters so we don't anticipate having much radiation, but we've applied for this STA just in case we have to do an air link or to account for any leakage we might have. Also, this satellite will be inside a metal building during all of this testing, so we do not anticipate much radiation at all leaving the building.

I'd appreciate your help in getting this application processed since we are going to try to start testing next month. Please feel free to contact me (703-406-5782) or Chris (703-406-5618) if you have any questions or concerns.

Thanks Much,  
Russ COFFELT  
(703) 406-5782