

-----Original Message-----

From: Matthew.Burchfield@faa.gov [mailto:Matthew.Burchfield@faa.gov]
Sent: Thursday, June 08, 2006 2:20 PM
To: Ferguson, Robert E
Subject: Re: Boeing Proposed Ground Surveillance Radar at the
Huntsville Airport

Bob,

I looked at the information you sent me and the frequencies you requested.

These frequencies fall outside the ASDE-3 radar band and therefore, do not fall under FAA control. The closest frequency that the FAA has at HSV is

M2897 (one channel of the ASR radar). Huntsville does not have a ASDE radar and it's my opinion that your radar will not interfere with the FAA or Army radars in the area. If we do experience an interference problem we would like to have an understanding that you will turn your system off so that we can see if it's your radar causing the problem. Also, could you coordinate with air traffic and the SSC manager before you start transmitting.

I can not license you to use this radar so if you have to go through the FCC your coordination number is NGO-06-651.

If you have any questions give me a call at 404-305-6672.

Jim b.

	"Ferguson, Robert E" <robert.e.ferguso	
To	n2@boeing.com>	Matthew Burchfield/ASO/FAA@FAA
cc	06/08/2006 11:59 AM	
Subject	Boeing Proposed Ground	
Surveillance	Radar at the Huntsville Airport	

> Jim
> Sorry for the delay in getting back to you regarding our proposed use
> of an MSTAR ground surveillance radar at the Huntsville Airport
> (HSV) .
> I have summarized specific radar data items per our conversation and
> have enclosed a set of more comprehensive data sheets (JF12) prepared
> by the vendor on this device for a military application. There are
> two sets of transmitter data in this document but the modified
> transmitter data (on pages 4 and 5) is not applicable to our
> installation. The data on pages 2 and 3 are applicable
>
> A link to the vendor's overview for this unit is at the following web
> link <http://www.seistl.com/radar/mstar.htm>.
>
> I have also included our proposed coordinates for installation of the
> device at the Huntsville Airport in the enclosed PowerPoint document.
> (The extension to runway 36L was completed after this aerial photo
was
> taken) .
>
> The specific data items we discussed are as follows:
>
> Operating Frequency:
> Selectable to four frequencies 16.936, 16.974, 17.012, and 17.049
GHZ
>
> Pulse Duration:
> 0.1 Microseconds in near-range mode
> 6.5 Microseconds in far-range mode
>
> Pulse Repetition Rate (PRR):
> 3150 pps to 7875 pps
>
> Power:
> 6.8 watts (Peak Envelope Power)
>
> Antenna:
> Parabolic Reflector
> Gain 36 dBi main beam
>
> If there is any additional information needed please don't hesitate
to
> contact me by phone or e-mail.
>
> Robert E. (Bob) Ferguson
> Boeing Advanced Systems
> Huntsville, Alabama
> (256) 461-3000 (office)
> (256) 468-2106 (cell)
> .
> <<JF12.pdf>> <<MSTAR Coordinates.ppt>>
(See attached file: JF12.pdf) (See attached file: MSTAR Coordinates.ppt)