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May 13, 2008

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street S.W.  
Washington DC 20554

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**Re: WT Docket No. 07-293; ID Docket No. 95-91;  
GEN Docket No. 90-357; RM-8610  
Ex Parte Statement**

Dear Ms. Dortch:

This is to report that yesterday Oakley Brooks, Bombardier Inc.; Audrey Allison, the Boeing Company; Daniel G. Jablonski, Johns Hopkins University Applied Physics Laboratory; and the undersigned, counsel for Aerospace and Flight Test Radio Coordinating Counsel ("AFTRCC"), met with Helen Domenici, Chief, International Bureau; Julius P. Knapp, Chief, Office of Engineering and Technology; Roderick K. Porter, Deputy Bureau Chief, International Bureau; Joel Taubenblatt, Acting Deputy Bureau Chief, Wireless Telecommunications Bureau; Thomas Derenge, Deputy Chief, Mobility Division, Wireless Telecommunications Bureau; Ira Keltz, Deputy Chief, Office of Engineering and Technology; and Robert Nelson, Chief, Satellite Division, International Bureau, regarding AFTRCC's position in the above-referenced proceedings. Representatives of Sirius Satellite Radio Inc. and XM Radio Inc. were also in attendance. The points made by AFTRCC during the course of the meeting are reflected in its earlier filings in the dockets. In addition, a copy of the document attached hereto was distributed to attendees.

A copy of this ex parte notification is being filed electronically for inclusion in the referenced dockets.

Sincerely,



William K. Keane

*Counsel for Aerospace and Flight Test  
Radio Coordinating Council*

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cc: Helen Domenici  
Julius P. Knapp  
Roderick K. Porter  
Joel Taubenblatt  
Thomas Derenge  
Ira Keltz  
Robert Nelson  
Oakley Brooks  
Audrey Allison  
Dan Jablonski  
Paul Sinderbrand  
Mary O'Connor  
Doug Duet  
David Urban  
Jim O'Connor  
Kurt Schaubach  
Jennifer McCarthy  
Rajendra Singh  
Ron Olexa  
Jim Blitz  
Ruth Ziegler  
Terry Smith  
Alan Pate  
Craig Wadin  
Robert Pettit  
Doug Ayerst  
Peter Rohrbach  
Mike Lewis  
Carl Frank  
Scott Harris  
David Don  
Henry Hultquist

For Decades ViaSat has been a leading supplier of high quality tracking antennas to the telemetry users of the world. Using our experience we have refined our products into simple, robust, and technically superior telemetry systems.

The Patented ESCAN tracking feed provides low sidelobes, high scanning rates, and superior multi-path resistance. We also produce conical scan and single channel monopulse tracking feeds to fit a wide range of requirements.

The series 13000 pedestal features patented bearing technology that combines long trouble free life with ease of service and maintenance. Pulse Width Modulated (PWM) servo power amplifiers are matched with brushless DC servo motors to assure long trouble free operation. These pedestals are in service around the world, some in extreme harsh environments providing daily service.

The heart of the control system is ViaSat's 3880 Antenna Control Unit (ACU). The 3880 is ViaSat's fourth generation ACU and provides unequalled performance for tracking systems. The 3880 provides for control, testing, and mission monitor (track files), far better than any previous control unit.

Telemetry Systems are available in fixed and mobile configurations as well as many size offerings (in addition to those listed here).



## L- AND S-BAND RANGE TELEMETRY SYSTEMS AT-A-GLANCE

- A leading source for more than 40 years
- Highly multi-path resistant ESCAN feed
- High dynamics, high accuracy tracking pedestal
- Fourth generation touch screen antenna control unit
- Mobile and fixed configurations
- Remote control

## SPECIFICATIONS AND STANDARD ANTENNA SIZES

	1.8m	2.4m	3.0m	3.6m
<b>Frequency <sup>1</sup></b>	1435 – 2300 MHz			
<b>Feed Type</b>	ESCAN	ESCAN	ESCAN	ESCAN
<b>Gain</b>	28.5 dB @ 2300 MHz	31.0 dB @ 2300 MHz	33.0 dB @ 2300 MHz	35.0 dBi @ 2300 MHz
<b>HPBW @ 2300 MHz</b>	5.1° @ 2300 MHz	3.8° @ 2300 MHz	3.0° @ 2300 MHz	2.5° @ 2300 MHz
<b>First Side Lobes</b>	16 dB Below Peak	18 dB Below Peak	18 dB Below Peak	20 dB Below Peak
<b>Polarization</b>	LHC & RHC Sim			
<b>Axial Ratio</b>	2.0 dB Max at beam peak			
<b>Guaranteed G/T <sup>2&amp;3</sup></b>	5.8 dB/K @ 2300 MHz	8.6 dB/K @ 2300 MHz	10.5 dB/K @ 2300 MHz	12.1 dB/K @ 2300 MHz

### DYNAMICS

<b>Velocity</b>	30° sec
<b>Acceleration</b>	30° per sec <sup>2</sup>
<b>Azimuth Travel</b>	+/- 375°
<b>Elevation Travel</b>	-10° to +110°

### ENVIRONMENTAL

<b>Temperature</b>	-30° to +70° C
<b>Rain</b>	Up to 5 inches per hour
<b>Ice</b>	0.5 inch Radial
<b>Wind</b>	Operate in 45 MPH, Stow in 120 MPH
<b>Voltage/Frequency</b>	120/208 VAC 50/60 Hz

### OPTIONS

- Separate data and tracking channels for improved performance
- Dual drive pedestal
- Slip-rings and rotary joint for continuous azimuth rotation
- Transmit versions available in all frequency bands
- Video camera
- Alignment telescope
- Acquisition antenna
- Dual or selectable polarizations
- Larger reflector sizes as specifications may require
- 1435 to 2400 MHz frequency range

### NOTES

- <sup>1</sup>Wider Frequency coverage available please consult Factory.  
<sup>2</sup>G /T at 20° Elevation, 23° C, 7.5 gr/m<sup>3</sup> and under clear sky conditions.  
<sup>3</sup>Separate Data and Tracking channels and other feed configurations with enhanced G/T performance are available as options.  
<sup>4</sup>Above specifications are with one LNA and no Band Pass Filter.



White Sands Missile Range



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