

Pantelis Michalopoulos  
202 429 6494  
pmichalo@steptoe.com

1330 Connecticut Avenue, NW  
Washington, DC 20036-1795  
202 429 3000 main  
www.steptoe.com



***BY ELECTRONIC FILING***

December 18, 2019

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

**Re: PointView Tech LLC, Modification Request, Call Sign WJ2XUG, File No. 0353-EX-CN-2018**

Dear Ms. Dortch:

PointView Tech LLC (“PointView”) submits this letter to request a modification of its experimental authorization (Call Sign WJ2XUG, File No. 0353-EX-CN-2018). The modification would add Telemetry, Tracking, and Command (TT&C) earth stations in Longyearbyen, Svalbard, Norway, and Norway’s Troll Research Station in Antarctica, with the same technical characteristics as the already authorized ground stations located in Brewster, Washington; Albuquerque, New Mexico; and Mojave, California. There will be no other changes to the authorization.

The public interest will be served by granting this modification request as it will allow for better control over, and communication with, the satellite. PointView understands that the KSAT ground station systems that will be used for these TT&C operations have also been used by other FCC-authorized non-geostationary satellite (“NGSO”) systems.

A total of four KSAT-manufactured antennas would be added through this modification request – one each of the Svalsat SG26, Svalsat SG6, Trollsat TR9, and Trollsat TR2 models. Attached is a technical overview of the ground station systems.

The fixed Svalsat SG26 system will be located at Longyearbyen, Svalbard, Norway, with a latitude of 78° 13’55.2288” N and a longitude of 15° 23’ 48.9480” E (NAD83). The overall height above ground to tip of antenna will be 16.65 m, and the elevation of ground antenna site above mean sea level will be 476 m. The station will transmit in the 2081.25-2082.75 MHz frequency range with an output power of 12.6 W peak and an ERP of 31.622 kW peak. The frequency tolerance will be .0001%. The emission designator will be G7W. The necessary bandwidth will be 1.5 MHz. The modulating signal will be BPSK.

The fixed Svalsat SG6 system will be located at Longyearbyen, Svalbard, Sweden, with a latitude of 78°13'32.7756" N and a longitude of 015°24'20.7065" E (NAD83). The overall height above ground to tip of antenna will be 10.65 m, and the elevation of ground antenna site above mean sea level will be 500 m. The station will transmit in the 2081.25-2082.75 MHz frequency range with an output power of 12.6 W peak and an ERP of 31.622 kW peak. The frequency tolerance will be .0001%. The emission designator will be G7W. The necessary bandwidth will be 1.5 MHz. The modulating signal will be BPSK.

The fixed Trollsat TR9 system will be located at the Troll Research Station in Antarctica (Norway zone), with a latitude of -72°00'06.8220"S and a longitude of 002°31'21.1008"E (NAD83). The overall height above ground to tip of antenna will be 22.65 m, and the elevation of ground antenna site above mean sea level will be 1,398 m. The station will transmit in the 2081.25-2082.75 MHz frequency range with an output power of 12.6 W peak and an ERP of 31.622 kW peak. The frequency tolerance will be .0001%. The emission designator will be G7W. The necessary bandwidth will be 1.5 MHz. The modulating signal will be BPSK.

The fixed Trollsat TR2 system will be located at the Troll Research Station in Antarctica (Norway zone), with a latitude of -72°00'08.0244"S and a longitude of 002°31'30.3600"E (NAD83). The overall height above ground to tip of antenna in meters will be 10.65 m, and the elevation of ground antenna site above mean sea level will be 1410.6 m. The station will transmit in the 2081.25-2082.75 MHz frequency range with an output power of 12.6 W peak and an ERP of 31.622 kW peak. The frequency tolerance will be .0001%. The emission designator will be G7W. The necessary bandwidth will be 1.5 MHz. The modulating signal will be BPSK.

Under separate cover, PointView will submit to Mr. Joseph Hill of the International Bureau the Space Cap data, which can be forwarded to the International Telecommunication Union as part of the Advance Publication Information for the satellite.

Please contact the undersigned at 202-429-6494 or 202-429-3059 if you have any questions.

Respectfully submitted,

/s/  
Pantelis Michalopoulos  
Christopher Bjornson  
*Counsel to PointView Tech LLC*

attachment

cc: Joseph Hill, International Bureau  
Anthony Serafini, Office of Engineering and Technology