



# AKASH SYSTEMS

July 18, 2018

## Exhibit 5: KSAT ES in Svalbard

For TT&C, Akash's MCNAIR satellite will utilize an existing earth station that is a part of the KSAT Lite global network of earth stations.

The particular earth station MCNAIR will use is located in Svalbard, outside Longyearbyen on the Platafjellet Plateau at 78.229121° N, 15.395045° E. The address is Svalbard Satellite Services, SvalSat, Plataberget, PB 458, 9171 LONGYEARBYEN.

KSAT will procure the earth station license from the Norwegian Authority (NKOM) for operations in support of the Akash demonstration.

The full technical specifications of the KSAT ES can be found in the table below.

Table 1. S-band Characteristics of KSAT ES in Svalbard

Parameter	Value
Antenna Size and Type	3.7 m
Transmit RF bands	2109.5 – 2109.7 MHz
Transmit EIRP	44.8 dBW
Receive RF bands	2286 – 2288 MHz
Receive G/T	12.6 dB/K
Receive Polarization	Circular