

Operation dates: 10/08/2018 – 12/08/2018.

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**Administrative Information**

Status ENGINEER PROPOSAL  
 Call Sign  
 Licensee Code MARDEV  
 Licensee Name Maris Developments LLC

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**Site Information BOARDMAN, OR**

Venue Name  
 Latitude (NAD 83) 45° 51' 16.6" N  
 Longitude (NAD 83) 119° 37' 55.1" W  
 Climate Zone A  
 Rain Zone 5  
 Ground Elevation (AMSL) 96.19 m / 315.6 ft

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**Link Information**

Satellite Type Low Earth Orbit  
 Mode TO - Transmit-Only  
 Modulation Digital  
 Minimum Elevation Angle 5.0°  
 Azimuth Range 0.0° to 360°  
 Antenna Centerline (AGL) 2.74 m / 9.0 ft

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**Antenna Information Transmit - FCC32**

Manufacturer ViaSat  
 Model 5.4 meter  
 Gain / Diameter 39.2 dBi / 5.4 m  
 3-dB / 15-dB Beamwidth 1.38° / 3.70°

Max Available RF Power (dBW/4 kHz) 9.8  
 (dBW/MHz) 33.8

Maximum EIRP (dBW/4 kHz) 49.0  
 (dBW/MHz) 73.0

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%  
 Short Term -131.0 dBW/4 kHz 0.0025%

Frequencies:

Mission	Frequency Bands (MHz)	T/R Mode	Antenna Polarization(H,V, L,R)	Emission
DG - WV1/2/3	2085.6875 - 2085.6875	T	RHCP	1M32G1D / BPSK, TT&C
DG - WV1/2/3	2085.0275 - 2086.3475	T	RHCP	1M32G1D / BPSK, TT&C
DG - WV4	2052.0000 - 2052.0000	T	RHCP	NON
DG - WV4	2051.3400 - 2052.6600	T	RHCP	1M32G1D / BPSK, TT&C

Satellites:

<b>International Designator</b>	<b>NORAD Catalog Number</b>	<b>Name</b>	<b>Source</b>	<b>Launch Date</b>
2007-041A	32060	WORLDVIEW-1 (WV-1)	US	2007-09-18
2009-055A	35946	WORLDVIEW-2 (WV-2)	US	2009-10-08
2014-048A	40115	WORLDVIEW-3 (WV-3)	US	2014-08-13
2016-067A	41848	WORLDVIEW-4 (WV-4)	US	2016-11-11