

Correspondence Reference Number
 Date of Original Email
 Due

45576
 12/20/2018
 1/19/2019

ITEM #	DESCRIPTION	ACTION	Notes	COMPLETED
1	The experimental license is only authorized to operate in United States, please exclude all operation in the other countries on your application	Remove Italy and Norway ground stations		10/17/2018
2	The bandwidth of emission designator 28.8 kHz is exceeding the bandwidth of the applied frequency band 401.19-401.21 MHz, please make a correction.	Expanded to 30 kHz, 401.185 MHz to 401.215 MHz		10/17/2018
3	Provide ODAR	Add ODAR to Attachments		10/17/2018
4	Provide SpaceCap Filing	Provide Spacecap filing to FCC		
5	UHF Space Station Transmit Data	XAP = R XAZ = EC XAD = 0G360B Type = SP, NON N/A	Polarization Orientation Antenna Dimension Type of Satellite For Geostationary For Nongeostation	
5	UHF Earth Station Receiver Data (San Diego)	ORB = 85IN00500AP0000PE001.56H01NRT01 RSC = CA RAL = SAN DIEGO Lat = 0325349 Lon = 1171236 RAP = T RAZ = V00	(Orbital Data) State City Name Latitude (DDMMSS) Longitude (DDMMSS) Antenna Polarization Antenna Azimuth	
5	UHF Earth Station Receiver Data (Alaska)	RAD = 20G200B000-360A00022H006 RSC = AL	Antenna Dimensions State	

RAL = FAIRBANKS City Name
Lat = 0645118 Latitude (DDMMSS)
Lon = 1474110 Longitude (DDMMSS)

RAP = T Antenna Polarization
RAZ = V00 Antenna Azimuth

RAD = 20G200B000-360A00013H000 Antenna Dimensions

5 X-Band Space Station Transmit Data

XAP = R Polarization
XAZ = EC Orientation

XAD = 8G050B Antenna Dimension
Type = SP, NON Type of Satellite
N/A For Geostationary
For Nongeostation

ORB = 85IN00500AP0000PE001.56H01NRT01 (Orbital Data)

6 UHF Earth Station Transmit Data (San Diego)

XSC = CA State
XAL = SAN DIEGO City Name

Lat = 0325349 Latitude (DDMMSS)

Lon = 1171236 Longitude (DDMMSS)

XAP = T Antenna Polarization
XAZ = V00 Antenna Azimuth

XAD = 20G200B000-360A00022H006 Antenna Dimensions

6 UHF Earth Station Transmit Data (Alaska)

XSC = AL State

6 UHF Space Station Receive Data

XAL = FAIRBANKS City Name
Lat = 0645118 Latitude (DDMMSS)
Lon = 1474110 Longitude (DDMMSS)

XAP = T Antenna Polarization
XAZ = V00 Antenna Azimuth

XAD = 20G200B000-360A00013H000 Antenna Dimensions
RAP = R Polarization
RAZ = V00 Azimuth
RAD = 0G360B Dimension
Type = SP, No Type of Satellite
N/A For Geostationary

7 Orbital Characteristics

ORB = 85IN00500AP0000PE001.56H01NRT01 For Nongeostation (Orbital Data)
Apogee 504 km
Perigee 493 km
Period 1.56 hour

Number of Satellite Total 1
Number of Satellite Transmitting 1
Number of Satellite Receiving 1

8 Name and Phone of person terminating system

Marco Villa

10 Name of Satellite

Tyvak-0086