

Correspondence Reference Number
 Date of Original Email
 Due

44486
 10/12/2018
 11/12/2018

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	Polarization Orientation	
		XAD = 0G360B Type = SP, NON N/A	Antenna Dimension Type of Satellite For Geostationary For Nongeostation	
5	UHF Earth Station Receiver Data (San Diego)	ORB = 97.6IN00504AP00493PE001.56H01NRT01 RSC = CA RAL = SAN DIEGO	(Orbital Data) State City Name	
		Lat = 0325349	Latitude (DDMMSS)	
		Lon = 1171236	Longitude (DDMMSS)	
		RAP = T RAZ = V00	Antenna Polarization Antenna Azimuth	
		RAD = 16G040B000-360A00022H006	Antenna Dimensions	

5 UHF Earth Station Receiver Data (Alaska)

RSC = AL
RAL = DEAD HORSE

Lat = 0701236

Lon = 1482436

RAP = T
RAZ = V00

RAD = 16G040B000-360A00013H000

State
City Name

Latitude (DDMMSS)

Longitude (DDMMSS)

Antenna Polarization
Antenna Azimuth

Antenna Dimensions

5 X-Band Space Station Transmit Data

XAP = R
XAZ = EC

XAD = 6G050B
Type = SP, NON
N/A

Polarization
Orientation

Antenna Dimension
Type of Satellite
For Geostationary
For Nongeostation

6 UHF Earth Station Transmit Data (San Diego)

ORB = 97.6IN00504AP00493PE001.56H01NRT01
XSC = CA
XAL = SAN DIEGO

(Orbital Data)
State
City Name

Lat = 0325349

Lon = 1171236

XAP = T
XAZ = V00

XAD = 16G040B000-360A00022H006

Latitude (DDMMSS)

Longitude (DDMMSS)

Antenna Polarization
Antenna Azimuth

Antenna Dimensions

6 UHF Earth Station Transmit Data (Alaska)

XSC = AL
XAL = DEAD HORSE

State
City Name

Lat = 0701236

Latitude (DDMMSS)

Lon = 1482436

Longitude (DDMMSS)

XAP = T
XAZ = V00

Antenna Polarization
Antenna Azimuth

6 UHF Space Station Receive Data

XAD = 16G040B000-360A00013H000
RAP = R
RAZ = V00
RAD = 0G360B
Type = SP, No
N/A

Antenna Dimensions
Polarization
Azimuth
Dimension
Type of Satellite
For Geostationary
For Nongeostation

7 Orbital Characteristics

ORB = 97.6IN00504AP00493PE001.56H01NRR01
Apogee
Perigee
Period

(Orbital Data)
504 km
493 km
1.56 hour

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

1
1
1

8 Name and Phone of person terminating system

Marco Villa

10 Name of Satellite

Tyvak-0085