

Correspondence Reference Number  
 Date of Original Email  
 Due

45051  
 11/15/2018  
 12/15/2018

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  XAD = 0G360B Type = SP, NON N/A	Polarization Orientation  Antenna Dimension Type of Satellite For Geostationary For Nongeostationary	
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	
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

### 6 UHF Earth Station Transmit Data (San Diego)

ORB = 97.6IN00504AP00493PE001.56H01NRT01 (Orbital Data)  
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

	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	
		For Nongeostation	
	ORB = 97.6IN00504AP00493PE001.56H01NRR01	(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-0085		