

47. Please supply any need attachments.

Attachment 1:

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT

(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

**SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)****FOR OFFICIAL USE ONLY**

Location of Earth Station Site

E1: Site Identifier: 1

E5. Call Sign: NONE

E2: Contact Name Vance Allen

E6. Phone Number: 951-928-3446

E3. Street: 22401 Juniper Flats Road

E7. City: Nuevo

E8. County: Riverside

E4. State CA

E9. Zip Code 92567

E10. Area of Operation:

Riverside, CA

E11. Latitude: 33 ° 47 ' 42.7 " N

E12. Longitude: 117 ° 5 ' 22.5 " W

E13. Lat/Lon Coordinates are:

☐ NAD-27☒ NAD-83☐ N/A

E14. Site Elevation (AMSL):

561.75 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.

☒ Yes☐ No☐ N/A

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?

☐ Yes☐ No☒ N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.

☐ Yes☒ No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as

☐ Yes☒ No

E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as

☐ Yes☒ No**E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c))
Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation?**☐ Yes☒ No**FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL
RESULT IN THE RETURN OF THIS APPLICATION.****POINTS OF COMMUNICATION**

Satellite Name: GALAXY 28 | GALAXY 28 | 89.0 W.L. If you selected OTHER, please enter the following:

| | |
|----------------------|----------------|
| E21. Common Name: | E22. ITU Name: |
| E23. Orbit Location: | E24. Country: |

POINTS OF COMMUNICATION (Destination Points)

| | |
|-----------------------|---------------|
| E25. Site Identifier: | |
| E26. Common Name: | E27. Country: |

ANTENNA

| Site ID | E28. Antenna Id | E29. Quantity | E30. Manufacturer | E31. Model | E32. Antenna Size | E41/42. Antenna Gain Transmint and/or Recieve(____dBi at ____GHz) | |
|-----------------|---------------------------------------|----------------------------------|-------------------------------|--|--|---|---------------------------------------|
| 1 | 1 | 1 | General Dynamics | 9.2M KzFNA | 9.2 | 62.7 dBi at 18.30 | |
| | | | | | | 65.4 dBi at 28.35 | |
| E28. Antenna Id | E33/34. Diameter Minor/Major (meters) | E35. Above Ground Level (meters) | E36. Above Sea Level (meters) | E37. Building Height Above Ground Level (meters) | E38. Total Input Power at antenna flange (Watts) | E39. Maximum Antenna Height Above Rooftop (meters) | E40. Total EIRP for al carriers (dBW) |
| 1 | 9.2/9.2 | 13.2 | 574.95 | 0.0 | 400.0 | 0.0 | 91.4 |

FREQUENCY

| E28. Antenna Id | E43/44. Frequency Bands(MHz) | E45. T/R Mode | E46. Antenna Polarization (H,V,L,R) | E47. Emission Designator | E48. Maximum EIRP per Carrier(dBW) | E49. Maximum ERIP Density per Carrier (dBW/4kHz) |
|-----------------|------------------------------|---------------|-------------------------------------|--------------------------|------------------------------------|--|
| 1 | 20157 20157 | R | Left Hand Circular | 850KG7D | 0.0 | 0.0 |

E50. Modulation and Services Telemetry

| | | | | | | |
|---|-------------|---|--------------------|-----|------|------|
| 1 | 29957 29957 | T | Left Hand Circular | N0N | 57.5 | 57.5 |
|---|-------------|---|--------------------|-----|------|------|

E50. Modulation and Services Testing and calibration

FREQUENCY COORDINATION

| E28. Antenna Id | E51. Satellite Orbit Type | E52/53. Frequency Limits (MHz) | E54/55. Range of Satellite Arc E/W Limit | E56. Earth Station Azimuth Angle Eastern Limit | E57. Antenna Elevation Angle Eastern Limit | E58. Earth Station Azimuth Angle Western Limit | E59. Antenna Elevation Angle Western Limit | E60. Maximum EIRP Density toward the Horizon (dBW/4kHz) |
|-----------------|---------------------------|--------------------------------|--|--|--|--|--|---|
| | | | / | | | | | |

REMOTE CONTROL POINT LOCATION

REMOTE CONTROL POINT LOCATION

| | | | |
|---|-------------|-----------------------|---------------|
| E61. Call Sign | | E65. Phone Number | |
| NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. | | | |
| E62. Street Address | | | |
| E63. City | E67. County | E64/68. State/Country | E66. Zip Code |
| | | / | |

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