

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:	
E2: Contact Name:	JOHN FLYNN	E6: Phone Number:	631-231-9800
E3: Street:	9898 BREWER COURT	E7: City:	LAUREL
E4: State:	357266aedbb122008e0b75131f96190f	E8: County:	HOWARD
		E9: Zip Code:	20723
E10: Area of Operation:			
E11: Latitude:	39° 6' 45.5"		
E12: Longitude:	76° 49' 58"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	73.2		

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
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(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	Yes
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	GSM-1	1	ANDREW CORP.	ES12-46	12	undefined at 0

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 all carriers (dBW)
GSM-1	0/0	13	86.2	0	750	0	84.75

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	GSM-2	1	ANDREW CORP.	9.1M	9.1	undefined at 0

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 all carriers (dBW)
GSM-2	0/0	10.3	82.5	0	750	0	82.65

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	GSM-4	1	ANDREW CORP.	ES9.3-46	9.3	undefined at 0

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 all carriers (dBW)
GSM-4	0/0	10.3	83.5	0	500	0	80.9

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
1	GSM-3	1	ANDREW CORP.	9.3M	9.3	undefined at 0

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 all carriers (dBW)
GSM-3	0/0	9.3	83.5	0	500	0	80.9

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)
GSM-1	5925 6425	T	null	51K2G7D	50.97	39.9

E50. Modulation and Services

DIGITAL, VARIOUS MODULATION, VARIOUS FEC

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)
GSM-1	3700	R	null	36M0G7D	0	0

	4200					
E50. Modulation and Services						
DIGITAL, VARIOUS MODULATION, VARIOUS FEC						

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)
GSM-2	5925 6425	T	null	51K2G7W	48.9	37.8
E50. Modulation and Services						
DIGITAL AUDIO, VIDEO, AND DATA						

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)
GSM-2	3700 4200	R	null	51K2G7W	0	0
E50. Modulation and Services						
DIGITAL AUDIO, VIDEO, AND DATA						

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)
GSM-4	3700 4200	R	null	51K2G7D	0	0
E50. Modulation and Services						
DIGITAL, VARIOUS MODULATION, VARIOUS FEC						

E28. Antenna	E43/44. Frequency	E45. T/R	E46. Antenna Polarization	E47. Emission	E48. Maximum	E49. Maximum ERIP Density
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Id	Bands (MHz)	Mode	(H,V,L,R)	Designator	EIRP per Carrier (dBW)	per Carrier (dBW/4kHz)
GSM-4	5925 6425	T	null	36M0G7D	76.91	37.37

E50. Modulation and Services

DIGITAL, VARIOUS MODULATION, VARIOUS FEC

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)
GSM-3	3700 4200	R	null	36M0G7W	0	0

E50. Modulation and Services

DIGITAL AUDIO, VIDEO, AND DATA

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)
GSM-3	6425 6534	T	null	6M80G7D	72.2	39.9

E50. Modulation and Services

DIGITAL DATA CARRIERS

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)
GSM-3	6576 6645	T	null	6M80G7D	72.2	39.9

E50. Modulation and Services

DIGITAL DATA CARRIERS

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/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
GSM-1	Geostationary	5925 6425	5 / 149	101.7 / 258.5	5.3 / 5.1	-4.84

GSM-1Geostationary3700
 42005 / 149101.7 / 258.55.3 / 5.10GSM-2Geostationary5925
 64255 / 149101.7 / 258.55.3 / 5.1-1.3GSM-2Geostationary3700
 42005 / 149101.7 / 258.55.3 / 5.10GSM-4Geostationary3700
 42005 / 149101.7 / 258.55.3 / 5.10GSM-4Geostationary5925
 64255 / 149101.7 / 258.55.3 / 5.1-3.1GSM-3Geostationary3700
 420031 / 32121.5 / 122.424.8 / 25.50GSM-3Geostationary6425
 653431 / 32121.5 / 122.424.8 / 25.5-16.9GSM-3Geostationary6576
 664531 / 32121.5 / 122.424.8 / 25.5-16.9

REMOTE CONTROL POINT LOCATION

E61. Call Sign:		E65. Phone Number:	
E62. Street Address:			
E63. City:	E67. County:	E64/68. State/Country: undefined / undefined	E66. Zip Code:

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