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An Andrew Company

19700 Janelia Farm Blvd.

Ashburn, Va 20147

(703)-726-5500 Fax: (703)-726-5600

<http://www.comsearch.com>

January 22, 2016

Ms. Rhea Thomas
Mobile Satellite Connection
908 Lakeside Drive
Mobile, AL 36693

REF: Prior Coordination Notice
SAN FRANCISCO, CA - BILL GRAHAM CIVIC AUDITORIUM
Temporary Transmit-Only Earth Station
Operation Dates: 02/01/2016 - 08/01/2016
Job Number: 160118COMSTC02

Dear Rhea,

Enclosed please find the Prior Coordination Notice for the temporary transmit-only earth station site referenced above.

If you have any questions, please call me at (703) 726-2665.

Sincerely,

Timothy O. Crutcher
Principal Frequency Coordinator
Microwave and Satellite Services

Enclosure

copy sent to: Mr. Charles Magin, EIC
FCC - Columbia, MD



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January 22, 2016

*** CLIENT COPY ***
*** PLEASE MAIL ***
*** TO CUSTOMER ***

Re: MOBILE SATELLITE CONNECTION LLC
SAN FRANCISCO, CA - BILL GRAHAM CIVIC AUDITORIUM
Temporary Transmit-Only Earth Station
Operation Dates: 02/01/2016 - 08/01/2016
Job Number: 160118COMSTC02

Dear Frequency Coordinator:

On behalf of MOBILE SATELLITE CONNECTION LLC, we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving 4 GHz facilities or problems involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Timothy O. Crutcher
Principal Frequency Coordinator

Enclosure(s)

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)-726-5500 Fax: (703)-726-5600 <http://www.comsearch.com>

Date: 01/18/2016
Job Number: 160118COMSTC02

Administrative Information

Status TEMPORARY (Operation from 02/01/2016 to 08/01/2016)
Licensee Name MOBILE SATELLITE CONNECTION LLC

Site Information

SAN FRANCISCO, CA
Venue Name BILL GRAHAM CIVIC AU
Latitude (NAD 83) 37° 46' 40.0" N
Longitude (NAD 83) 122° 24' 59.0" W
Climate Zone B
Rain Zone 4
Ground Elevation (AMSL) 17.9 m / 58.7 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 72° W to 139° West Longitude
Azimuth Range 116.9° to 205.9°
Corresponding Elevation Angles 22.2° / 42.9°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Transmit
Manufacturer RSI
Gain / Diameter 42.0 dBi / 2.4 m
3-dB / 15-dB Beamwidth 1.00° / 2.00°

Max Available RF Power (dBW/4 kHz) -14.0
(dBW/MHz) 10.0

Maximum EIRP (dBW/4 kHz) 28.0
(dBW/MHz) 52.0

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%

Frequency Information

Transmit 6.1 GHz
Emission / Frequency Range (MHz) 36M0G7W / 6107.0 - 6363.0
36M0G7W / 6347.0 - 6423.0

Max Great Circle Coordination Distance 184.0 km / 114.3 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values	SAN FRANCISCO, CA
Licensee Name	MOBILE SATELLITE CONNECTION LLC
Latitude (NAD 83)	37° 46' 40.0" N
Longitude (NAD 83)	122° 24' 59.0" W
Ground Elevation (AMSL)	17.9 m / 58.7 ft
Antenna Centerline (AGL)	3.66 m / 12.0 ft
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	-14.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.78	44.39	-9.18	105.92
195	1.36	42.68	-8.76	100.00
200	1.45	41.78	-8.52	100.00
205	2.22	40.68	-8.23	100.00
210	2.14	40.91	-8.30	100.00
215	2.19	41.53	-8.46	100.00
220	2.82	42.07	-8.60	100.00
225	3.53	43.05	-8.85	100.00
230	3.32	45.26	-9.39	100.00
235	2.82	48.02	-10.00	100.00
240	3.26	50.36	-10.00	100.00
245	2.78	53.57	-10.00	100.00
250	1.87	57.18	-10.00	100.00
255	2.02	60.31	-10.00	100.00
260	2.07	63.64	-10.00	100.00
265	1.92	67.17	-10.00	100.00
270	1.53	70.84	-10.00	100.00
275	1.81	74.38	-10.00	100.00
280	1.57	78.11	-10.00	100.00
285	1.51	81.82	-10.00	100.00
290	1.24	85.58	-10.00	100.00
295	1.34	89.31	-10.00	100.00
300	1.57	93.06	-10.00	100.00
305	1.83	96.83	-10.00	100.00
310	2.22	100.63	-10.00	100.00
315	2.35	104.38	-10.00	100.00
320	2.17	108.01	-10.00	100.00
325	2.61	111.76	-10.00	100.00
330	2.68	115.34	-10.00	100.00
335	1.81	118.37	-10.00	100.00
340	1.44	121.43	-10.00	100.00
345	1.25	124.39	-10.00	100.00
350	1.54	124.15	-10.00	100.00
355	2.03	119.71	-10.00	100.00

RHEA THOMAS - MOBILE SATELLITE CONNECTION LLC

Location: SAN FRANCISCO, CA - BILL GRAHAM CIVIC AUDITORIUM		Operation Dates: 02/01/2016 - 08/01/2016		Latitude: 37-46-40.0 N	
Ground Elevation: 17.90 m 58.7 ft		Modulation: Digital Only		Longitude: 122-24-59.0 W	
Interference Cases		Satellite Arc: 72.0W To 139.0W		Band: 5925.0 - 6425.0 MHz	
Victim Site	From	Worst Margin (dB)	Distance (km) (miles)	Azimuth (Degrees)	
EL CERRITO	KPIX-TV STD	34.2	18.9 11.7	32.9	6205 6185 6165 6145 6125 6105 6085 6065 6045 6025 6005 5985 5965 5945
6425 CHRISTY	MT SUTRO	32.3	12.9 8.0	55.1	6197H 6197H 6197H
MT SUTRO	6425 CHRISTY	28.5	4.1 2.5	232.1	6197H 6256H 6315H
BALD PEAK	TWIN PEAKS	25.3	20.8 12.9	55.5	6256H 6315H
TWIN PEAKS	BALD PEAK	19.6	3.7 2.3	225.3	6256H 6315H
ALLISON	MT SUTRO	24.9	57.1 35.5	122.6	6256H 6315H
MT DIABLO	KPIX STUDIO	9.8	45.3 28.1	75.1	6256H 6315H
PAINT	TWIN PKS	8.9	10.2 6.3	60.7	6093V 6093V
MT SUTRO	ALLISON	7.8	4.1 2.5	232.1	6063H 6063H 6063H