



COMSEARCH[®]

A CommScope Company

July 20, 2016

Re: RigNet SatCom, Inc.
ROOSEVELT ROADS, PR
Temporary Transmit-Only Earth Station
Operation Dates: 07/20/2016 - 08/20/2016
Job Number: 160720COMSGE01

Dear Frequency Coordinator:

On behalf of RigNet SatCom, Inc., 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

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 07/20/2016
Job Number: <PCNJobCode>

Administrative Information

Status TEMPORARY (Operation from 07/20/2016 to 08/20/2016)
Call Sign <PCNCallSign>
Licensee Code RIGNET
Licensee Name RigNet SatCom, Inc.

Site Information**ROOSEVELT ROADS, PR**

Venue Name
Latitude (NAD 83) 18° 13' 30.0" N
Longitude (NAD 83) 65° 37' 12.0" W
Climate Zone B
Rain Zone 1
Ground Elevation (AMSL) 0.0 m / 0.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 18° W to 18° West Longitude
Azimuth Range 105.9° to 105.9°
Corresponding Elevation Angles 32.5° / 32.5°
Antenna Centerline (AGL) 18.59 m / 61.0 ft

Antenna Information**Transmit - FCC32**

Manufacturer Seatel
Model 9797
Gain / Diameter 41.7 dBi / 2.4 m
3-dB / 15-dB Beamwidth 1.00° / 2.00°

Max Available RF Power (dBW/4 kHz) -8.8
(dBW/MHz) 15.2

Maximum EIRP (dBW/4 kHz) 32.9
(dBW/MHz) 56.9

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) 243KG7D - 477KG7D / 5925.0 - 5926.0

Max Great Circle Coordination Distance 189.8 km / 118.0 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values		ROOSEVELT RD, PR	
Licensee Name		RigNet SatCom, Inc.	
Latitude (NAD 83)		18° 13' 30.0" N	
Longitude (NAD 83)		65° 37' 12.0" W	
Ground Elevation (AMSL)		0.0 m / 0.0 ft	
Antenna Centerline (AGL)		18.59 m / 61.0 ft	
Antenna Model		Seatel 2.4 Meter	
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	-8.8 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	103.39	-10.00	168.46
5	0.00	99.20	-10.00	168.46
10	0.00	95.00	-10.00	168.46
15	0.00	90.78	-10.00	168.46
20	0.00	86.57	-10.00	168.46
25	0.00	82.36	-10.00	168.46
30	0.00	78.17	-10.00	168.46
35	0.00	74.00	-10.00	168.46
40	0.00	69.88	-10.00	168.46
45	0.00	65.80	-10.00	168.46
50	0.00	61.80	-10.00	168.46
55	0.00	57.88	-10.00	168.46
60	0.00	54.07	-10.00	168.46
65	0.00	50.41	-10.00	168.46
70	0.00	46.92	-9.78	169.50
75	0.00	43.65	-9.00	173.30
80	0.00	40.65	-8.23	177.13
85	0.00	38.01	-7.50	180.85
90	0.00	35.79	-6.84	184.25
95	0.00	34.08	-6.31	187.07
100	0.00	32.96	-5.95	189.01
105	0.00	32.49	-5.79	189.85
110	0.00	32.71	-5.87	189.46
115	0.00	33.59	-6.15	187.91
120	0.00	35.09	-6.63	185.38
125	0.00	37.13	-7.24	182.16
130	0.00	39.63	-7.95	178.54
135	0.00	42.50	-8.71	174.73
140	0.00	45.67	-9.49	170.90
145	0.00	49.09	-10.00	168.46
150	0.00	52.69	-10.00	168.46
155	0.00	56.45	-10.00	168.46
160	0.00	60.33	-10.00	168.46
165	0.00	64.30	-10.00	168.46
170	0.00	68.35	-10.00	168.46
175	0.00	72.46	-10.00	168.46
180	0.00	76.61	-10.00	168.46
185	0.00	80.80	-10.00	168.46

Coordination Values		ROOSEVELT RD, PR	
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Latitude (NAD 83)		18° 13' 30.0" N	
Longitude (NAD 83)		65° 37' 12.0" W	
Ground Elevation (AMSL)		0.0 m / 0.0 ft	
Antenna Centerline (AGL)		18.59 m / 61.0 ft	
Antenna Model		Seatel 2.4 Meter	
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	-8.8 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	85.00	-10.00	168.46
195	0.00	89.22	-10.00	168.46
200	0.00	93.43	-10.00	168.46
205	0.00	97.64	-10.00	168.46
210	0.00	101.83	-10.00	168.46
215	0.00	106.00	-10.00	168.46
220	0.00	110.12	-10.00	168.46
225	0.00	114.20	-10.00	168.46
230	0.00	118.20	-10.00	168.46
235	0.36	122.26	-10.00	146.67
240	0.37	126.10	-10.00	144.73
245	0.23	129.71	-10.00	164.55
250	0.40	133.32	-10.00	141.19
255	0.51	136.69	-10.00	130.05
260	0.32	139.58	-10.00	152.16
265	0.66	142.53	-10.00	121.38
270	1.04	145.12	-10.00	105.83
275	1.26	147.10	-10.00	100.56
280	1.82	148.83	-10.00	100.00
285	2.46	149.97	-10.00	100.00
290	2.30	149.57	-10.00	100.00
295	2.08	148.40	-10.00	100.00
300	1.74	146.49	-10.00	100.00
305	1.70	144.29	-10.00	100.00
310	1.86	141.79	-10.00	100.00
315	1.31	138.41	-10.00	100.00
320	1.60	135.31	-10.00	100.00
325	0.69	131.29	-10.00	119.77
330	0.72	127.66	-10.00	118.04
335	0.22	123.64	-10.00	165.10
340	0.50	119.85	-10.00	130.84
345	0.00	115.70	-10.00	168.46
350	0.00	111.65	-10.00	168.46
355	0.00	107.54	-10.00	168.46