



**COMSEARCH**<sup>®</sup>

A CommScope Company

August 05, 2016

Re: RigNet SatCom, Inc.  
ROOSEVELT ROADS, PR  
Temporary Transmit-Only Earth Station  
Operation Dates: 08/15/2016 - 11/15/2016  
Job Number: 160805COMSGE02

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: 08/05/2016  
Job Number: 160805COMSGE02

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**Administrative Information**

Status TEMPORARY (Operation from 08/15/2016 to 11/15/2016)  
Call Sign TEMP11  
Licensee Code RIGNET  
Licensee Name RigNet SatCom, Inc.

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**Site Information****ROOSEVELT ROADS, PR**

Venue Name  
Latitude (NAD 83) 18° 13' 30.0" N  
Longitude (NAD 83) 65° 37' 8.4" W  
Climate Zone B  
Rain Zone 1  
Ground Elevation (AMSL) 0.0 m / 0.0 ft

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**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

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**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%

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**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 ROADS, PR	
Licensee Name		RigNet SatCom, Inc.	
Latitude (NAD 83)		18° 13' 30.0" N	
Longitude (NAD 83)		65° 37' 8.4" 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	40.66	-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	187.06
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	-6.16	187.90
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 ROADS, PR	
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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	0.00	122.12	-10.00	168.46
240	0.36	126.09	-10.00	147.13
245	0.00	129.59	-10.00	168.46
250	0.28	133.25	-10.00	156.47
255	0.57	136.73	-10.00	126.10
260	0.39	139.64	-10.00	142.41
265	0.59	142.47	-10.00	125.44
270	1.08	145.16	-10.00	104.86
275	1.18	147.03	-10.00	102.33
280	1.86	148.87	-10.00	100.00
285	2.52	150.03	-10.00	100.00
290	1.95	149.23	-10.00	100.00
295	1.93	148.26	-10.00	100.00
300	1.64	146.39	-10.00	100.00
305	1.77	144.35	-10.00	100.00
310	1.80	141.74	-10.00	100.00
315	1.31	138.40	-10.00	100.00
320	1.39	135.18	-10.00	100.00
325	0.69	131.29	-10.00	119.59
330	0.72	127.66	-10.00	118.08
335	0.21	123.64	-10.00	167.37
340	0.51	119.85	-10.00	129.78
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