



February 15, 2012

Re: KVH Industries, Inc.
CARLSBAD, CA
Temporary Transmit-Only Earth Station
Operation Dates: 03/01/2012 - 09/01/2012
Job Number: 120215COMSGE02

Dear Frequency Coordinator:

On behalf of KVH Industries, 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: 02/15/2012
Job Number: <PCNJobCode>

Administrative Information

Status TEMPORARY (Operation from 03/01/2012 to 09/01/2012)
Call Sign <PCNCallSign>
Licensee Code KVVHIND
Licensee Name KVVH Industries, Inc.

Site Information**CARLSBAD, CA**

Venue Name
Latitude (NAD 83) 33° 7' 35.0" N
Longitude (NAD 83) 117° 16' 7.9" W
Climate Zone A
Rain Zone 4
Ground Elevation (AMSL) 87.48 m / 287.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 180° W to 180° West Longitude
Azimuth Range 254.3° to 254.3°
Corresponding Elevation Angles 14.1° / 14.1°
Antenna Centerline (AGL) 2.44 m / 8.0 ft

Antenna Information**Transmit - FCC32**

Manufacturer KVVH
Model V11
Gain / Diameter 34.5 dBi / 1.0 m
3-dB / 15-dB Beamwidth 1.50° / 2.95°

Max Available RF Power (dBW/4 kHz) -21.5
(dBW/MHz) 2.5

Maximum EIRP (dBW/4 kHz) 13.0
(dBW/MHz) 37.0

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) 9M98G7D / 6262.0 - 6276.0

Max Great Circle Coordination Distance 144.7 km / 89.9 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values		CARLSBAD, CA	
Licensee Name		KVH Industries, Inc.	
Latitude (NAD 83)		33° 7' 35.0" N	
Longitude (NAD 83)		117° 16' 7.9" W	
Ground Elevation (AMSL)		87.48 m / 287.0 ft	
Antenna Centerline (AGL)		2.44 m / 8.0 ft	
Antenna Model		KVH V11	
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	-21.5 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.85	105.30	-10.00	100.00
5	1.02	110.17	-10.00	100.00
10	1.24	115.04	-10.00	100.00
15	1.24	119.88	-10.00	100.00
20	1.65	124.77	-10.00	100.00
25	1.63	129.58	-10.00	100.00
30	1.40	134.31	-10.00	100.00
35	1.51	139.07	-10.00	100.00
40	1.45	143.73	-10.00	100.00
45	1.28	148.27	-10.00	100.00
50	1.70	152.91	-10.00	100.00
55	1.91	157.31	-10.00	100.00
60	2.03	161.38	-10.00	100.00
65	1.98	164.76	-10.00	100.00
70	2.00	167.15	-10.00	100.00
75	1.86	167.71	-10.00	100.00
80	1.78	166.41	-10.00	100.00
85	1.92	163.80	-10.00	100.00
90	1.86	160.15	-10.00	100.00
95	1.88	156.06	-10.00	100.00
100	2.14	151.78	-10.00	100.00
105	2.45	147.32	-10.00	100.00
110	2.06	142.54	-10.00	100.00
115	2.06	137.82	-10.00	100.00
120	2.67	133.16	-10.00	100.00
125	2.67	128.34	-10.00	100.00
130	2.67	123.49	-10.00	100.00
135	2.71	118.63	-10.00	100.00
140	2.71	113.76	-10.00	100.00
145	2.71	108.87	-10.00	100.00
150	2.10	103.95	-10.00	100.00
155	2.14	99.06	-10.00	100.00
160	1.65	94.17	-10.00	100.00
165	1.65	89.28	-10.00	100.00
170	1.65	84.40	-10.00	100.00
175	1.01	79.55	-10.00	100.00
180	1.01	74.69	-10.00	100.00
185	0.70	69.86	-10.00	100.00

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Antenna Mode		Transmit 6.1 GHz	
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	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-21.5 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.42	65.05	-10.00	100.00
195	0.32	60.25	-10.00	103.79
200	0.00	55.50	-10.00	113.23
205	0.00	50.74	-10.00	113.23
210	0.00	46.02	-9.57	114.32
215	0.35	41.24	-8.38	105.57
220	0.60	36.54	-7.07	100.00
225	0.57	32.00	-5.63	100.00
230	0.43	27.66	-4.05	110.49
235	0.43	23.49	-2.27	114.78
240	0.41	19.69	-0.36	121.53
245	0.39	16.52	1.55	128.01
250	0.23	14.53	2.95	144.71
255	0.34	13.81	3.49	136.80
260	0.61	14.66	2.85	117.76
265	0.72	17.12	1.16	108.54
270	0.76	20.54	-0.81	101.45
275	0.73	24.52	-2.74	100.00
280	0.68	28.82	-4.49	100.00
285	0.57	33.32	-6.07	100.00
290	0.60	37.89	-7.46	100.00
295	0.72	42.52	-8.71	100.00
300	0.94	47.19	-9.85	100.00
305	0.95	51.96	-10.00	100.00
310	1.02	56.74	-10.00	100.00
315	0.88	61.59	-10.00	100.00
320	0.89	66.42	-10.00	100.00
325	1.00	71.26	-10.00	100.00
330	1.06	76.11	-10.00	100.00
335	1.08	80.98	-10.00	100.00
340	1.06	85.84	-10.00	100.00
345	0.98	90.71	-10.00	100.00
350	0.94	95.58	-10.00	100.00
355	0.81	100.44	-10.00	100.00