

Speedcast Communications, Inc., as a debtor-in-possession
Call Sign E090176

NOTIFICATION CONCERNING COMPLETION OF C-BAND ESV COORDINATION:
ANADARKO CONSTITUTION, GULF OF MEXICO

September 11, 2020

Speedcast Communications, Inc., as a debtor-in-possession (“Speedcast”) hereby submits, pursuant to Section 25.228(h)(5) of the Commission’s rules for earth stations in motion (“ESIMs”)/earth stations on vessels (“ESVs”), 47 C.F.R. 25.228(h)(5), as well as applicable Commission guidance (*see* Public Notice DA 11- 132 (Jan. 26, 2001) and Public Notice DA 05-1671 (June 15, 2005)) this notification of frequency coordination for a remote terminal (SeaTel 9797, 2.4M) operating on the Anadarko Constitution in the Gulf of Mexico under its C-band ESV license Call Sign E090176. As indicated in the attached Frequency Coordination and Interference Analysis Report, there are no restrictions on operations due to interference considerations.

The following information is provided so that this notification may be placed on Public Notice:

1. *Name and contact information of the frequency coordinator:*
Gary Edwards
1700 Janelia Farm Boulevard, Ashburn, VA 20147
Phone: (703) 726-5500
[Email: gedwards@comsearch.com](mailto:gedwards@comsearch.com)
2. *Reference identification, date, and duration (if relevant) of the coordination report:*
Job Number: 200902COMSGE01
Date: September 1, 2020
3. *Frequency coordination method used:*
Coordination Contours method.
4. *Interference criteria used:*
Transmit (Long Term: -154.0 dBw/4 kHz 20% / Short Term: -131.0 dBw/4 kHz 0.0025%)
5. *Speed of coordinated vessel, if relevant:*
Not relevant (stationary rig).
6. *Center frequencies, bandwidths, and total spectrum coordinated per satellite:*

Center frequency: 6406 MHz
Bandwidth: 9.38 MHz
Total Spectrum Coordinated: 36 MHz

7. Name of satellite(s) and transponder(s) being used:

Satellite: G28 at 89W.
Transponder: C124
Frequency Range Coordinated: 6388-6424 MHz

8. Textual description and scaled map of the geographic area(s) coordinated:

Anadarko Constitution rig in Gulf of Mexico (27° 17' 31.9" N 90° 58' 4.8" W).

9. 24/7 contact information for the ESV operator:

Speedcast Houston CSC
4400 S. Sam Houston Parkway East
Houston, TX 77048 USA
Phone: +1 832 668 2775
Email: Global.CSC@speedcast.com

10. Call sign of the hub station if independently licensed:

Not applicable.

11. Statement indicating that as of the date of this notification there are no unresolved coordination requests which would result in an exceedance of the maximum 180 megahertz of coordinated spectrum for all ESV operations in the coordination area in Section 25.202(a)(8):

The frequency coordinator advises that there are no unresolved coordination requests which would result in an exceedance of the maximum 180 megahertz of coordinated spectrum for all ESV operations in the coordination area in the 5925-6425 MHz band. Speedcast will provide a further notification to the Commission should circumstances warrant.

Speedcast respectfully requests that this notification of successfully completed frequency coordination be placed on Public Notice. Any further questions with respect to this matter should be directed to Carlos Nalda at (571) 332-5626 or cnalda@lmiadvisors.com.

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
SpeedCast Communications Inc
ANADARKO, GM
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
September 11, 2020

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 09/02/2020.

Company

Chevron USA Inc.

RigNet SatCom, Inc.

Tampnet Licensee LLC

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

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

Date: 09/11/2020
Job Number: 200902COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
Licensee Code SPEEDC
Licensee Name SpeedCast Communications Inc

Site Information

ANADARKO, GM

Venue Name CONSTITUTION
Latitude (NAD 83) 27° 17' 31.9" N
Longitude (NAD 83) 90° 58' 4.8" 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 89° W to 89° West Longitude
Azimuth Range 175.7° to 175.7°
Corresponding Elevation Angles 58.1° / 58.1°
Antenna Centerline (AGL) 45.72 m / 150.0 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) -15.9
(dBW/MHz) 8.1

Maximum EIRP (dBW/4 kHz) 25.8
(dBW/MHz) 49.8

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

Frequency Information

Transmit 6.4 GHz

Emission / Frequency Range (MHz) 9M38G7W / 6388.0 - 6424.0

Max Great Circle Coordination Distance 138.9 km / 86.3 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

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(703)726-5500 <http://www.comsearch.com>

Coordination Values

ANADARKO, GM

Licensee Name SpeedCast Communications Inc
Latitude (NAD 83) 27° 17' 31.9" N
Longitude (NAD 83) 90° 58' 4.8" W
Ground Elevation (AMSL) 0.0 m / 0.0 ft
Antenna Centerline (AGL) 45.72 m / 150.0 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 -15.9 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.4 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	121.85	-10.00	138.88
5	0.00	121.48	-10.00	138.88
10	0.00	120.85	-10.00	138.88
15	0.00	119.96	-10.00	138.88
20	0.00	118.84	-10.00	138.88
25	0.00	117.48	-10.00	138.88
30	0.00	115.92	-10.00	138.88
35	0.00	114.18	-10.00	138.88
40	0.00	112.26	-10.00	138.88
45	0.00	110.19	-10.00	138.88
50	0.00	107.99	-10.00	138.88
55	0.00	105.68	-10.00	138.88
60	0.00	103.27	-10.00	138.88
65	0.00	100.79	-10.00	138.88
70	0.00	98.24	-10.00	138.88
75	0.00	95.65	-10.00	138.88
80	0.00	93.02	-10.00	138.88
85	0.00	90.38	-10.00	138.88
90	0.00	87.74	-10.00	138.88
95	0.00	85.10	-10.00	138.88
100	0.00	82.50	-10.00	138.88
105	0.00	79.94	-10.00	138.88
110	0.00	77.43	-10.00	138.88
115	0.00	75.00	-10.00	138.88
120	0.00	72.66	-10.00	138.88
125	0.00	70.43	-10.00	138.88
130	0.00	68.32	-10.00	138.88
135	0.00	66.36	-10.00	138.88
140	0.00	64.56	-10.00	138.88
145	0.00	62.94	-10.00	138.88
150	0.00	61.53	-10.00	138.88
155	0.00	60.34	-10.00	138.88
160	0.00	59.38	-10.00	138.88
165	0.00	58.68	-10.00	138.88
170	0.00	58.23	-10.00	138.88
175	0.00	58.06	-10.00	138.88
180	0.00	58.15	-10.00	138.88
185	0.00	58.52	-10.00	138.88

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
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Coordination Values

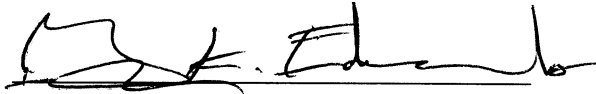
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Latitude (NAD 83) 27° 17' 31.9" N
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Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -15.9 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.4 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	59.15	-10.00	138.88
195	0.00	60.04	-10.00	138.88
200	0.00	61.16	-10.00	138.88
205	0.00	62.52	-10.00	138.88
210	0.00	64.08	-10.00	138.88
215	0.00	65.82	-10.00	138.88
220	0.00	67.74	-10.00	138.88
225	0.00	69.81	-10.00	138.88
230	0.00	72.01	-10.00	138.88
235	0.00	74.32	-10.00	138.88
240	0.00	76.73	-10.00	138.88
245	0.00	79.21	-10.00	138.88
250	0.00	81.76	-10.00	138.88
255	0.00	84.35	-10.00	138.88
260	0.00	86.98	-10.00	138.88
265	0.00	89.62	-10.00	138.88
270	0.00	92.26	-10.00	138.88
275	0.00	94.90	-10.00	138.88
280	0.00	97.50	-10.00	138.88
285	0.00	100.06	-10.00	138.88
290	0.00	102.57	-10.00	138.88
295	0.00	105.00	-10.00	138.88
300	0.00	107.34	-10.00	138.88
305	0.00	109.57	-10.00	138.88
310	0.00	111.68	-10.00	138.88
315	0.00	113.64	-10.00	138.88
320	0.00	115.44	-10.00	138.88
325	0.00	117.06	-10.00	138.88
330	0.00	118.47	-10.00	138.88
335	0.00	119.66	-10.00	138.88
340	0.00	120.62	-10.00	138.88
345	0.00	121.32	-10.00	138.88
350	0.00	121.77	-10.00	138.88
355	0.00	121.94	-10.00	138.88

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: September 11, 2020