

From: "Ken Ryan" <KRyan@comsearch.com>
To: <chuie@fcc.gov>, <william.gjertson@PSS.boeing.com>
Date: 8/11/00 4:16PM
Subject: STA Coordination Letter:

Mr. Huie:

Attached please find the coordination report for the Sea Launch STA request (STA File # 0059-EX-ST-2000). Per the local SBE coordinator clearance was contingent on having a point of contact and a test date. Please review and call or email if you have any questions.

best regards,

Ken Ryan

(email copy to Bill Gjertson of Sea Launch)

Kenneth G. Ryan
Director Satellite Engineer Services
tel/fax: (703) 476-2685
kryan@comsearch.com



August 11, 2000

Mr. Carl Huie
Federal Communications Commission
email: chuie@fcc.gov

Subject: Coordination of Test Link for Sea Launch in Long Beach, CA

Dear Mr. Huie:

Sea Launch is requesting Special Temporary Authority, STA File # 0059-EX-ST-2000, and in conjunction with this request is required to coordinate the operation of their test link with other users of the frequency band. The local coordinator of this spectrum is the Society of Broadcast Engineers Frequency Coordinator for Southern California. The contact information is:

SBE Frequency Coordinator Southern California
c/o Howard Fine
SCFCC
PO Box 93906
LA, CA 90093
323 962-1790
howard@pactv.com

After contacting Mr. Fine, Comsearch was directed to Pacific Bell as the proper local coordinator to handle to specific frequency spectrum of interest. Pacific Bell was contacted and on June 9th a coordination letter was forwarded, see Attachment A. Mr. Frank Castro of PacBell was contacted and the technical information about the test link was discussed. After review, Mr. Castro told Comsearch that Sea Launch would be able to perform their tests with their clearance provided that specific test dates and times as well as a point of contact were provided. After determination of the actual test date this information, along with a point of contact and phone number, were provided to Pacific Bell, see Attachment B. Upon receipt of this information the coordination effort is now complete.

Sincerely,
COMSEARCH

Kenneth G. Ryan
Director of Satellite Engineering Service
Tel: (703) 476-2685
Fax: (703) 476-2727
Email: krvan@comsearch.com

Enc: Attachment A 6/9/00 letter to PacBell, Attachment B 8/11/00 letter to PacBell

cc: W. Gjertson, Sea Launch (via email :William.Gjertson@PSS.Boeing.com)

N/C on p. 4



June 9, 2000

Faxed to: Steve Reading
Pacific Bell
(323) 469-9118

Subject: Coordination of Test Link for Sea Launch in Long Beach, CA

Dear Frequency Coordinator:

Sea Launch, USA Sea Launch, P.O. Box 32889, Long Beach, CA, is requesting to perform a temporary test point-to-point microwave transmission. The purpose of the test is to demonstrate the operation of a re-radiation system prior to launch of a satellite. The test will consist of the re-radiation system located on a rocket erect and in port, at the Long Beach, CA facility, receiving from an Assembly and Command Ship (ACS), which will be located 6.5 km off shore. The testing will occur for a period of 12 hours maximum sometime between June 15 and October 22, 2000. The transmit frequency of operation is within the 6.425-6.525 GHz BAS band. All technical parameters of the link are included in Attachment A.

Sea Launch is requesting Special Temporary Authority, FCC Rule, Part 5.56, and in conjunction with this request would like to coordinate the operation of this link with other users of the frequency band. Please review the attached and contact Comsearch if you feel any potential for interference exists or would like to discuss the coordination of this test link further.

Sincerely,
COMSEARCH

Kenneth G. Ryan
Director of Satellite Engineering Service
Tel: (703) 476-2685
Fax: (703) 476-2727
Email: kryan@comsearch.com

Enc: Attachment A, Sea Launch Re-rad Test Link Data

ATTACHMENT A (cont.)

Sea Launch Re-Radiation Test Link Data

Name: US Sea Launch
P.O. Box 32889
Long Beach, CA 90832-2889

Nature of Test Link: RF microwave link between Launch Platform docked at Long Beach, CA and Assembly and Command Ship (ACS) located approximately 6.5 km off shore.

Location of transmitter: ACS Ship
33° 42' 38" N. Latitude
118° 14' 55" W. Longitude.

Location of Receiver: Launch Platform
33° 44' 41" N. Latitude
118° 13' 28" W. Longitude.

Frequency of Operation: 6476 MHz
Emission designator: 1M30F9D

Transmit Antenna
Height: 42 m
Type: 1m parabolic reflector
Gain: 36 dB
Beamwidth: 3 deg (fullbeam)

Receive Antenna
Height: 85 m
Type: Cavity Back Spiral
Gain: 4 dB
Beamwidth: 40 deg (fullbeam)

Transmit Power: 62.5 dBm maximum eirp



August 11, 2000

ATTACHMENT B

Faxed to: Frank Castro
Pacific Bell
(323) 993-5801
email: ffcastro@msg.pacbell.com

Subject: Coordination of Test Link for Sea Launch in Long Beach, CA

Dear Frequency Coordinator:

Sea Launch, USA Sea Launch, P.O. Box 32889, Long Beach, CA, is requesting to perform a temporary test point-to-point microwave transmission. The purpose of the test is to demonstrate the operation of a re-radiation system prior to launch of a satellite. The test will consist of the re-radiation system located on a rocket erect and in port, at the Long Beach, CA facility, receiving from an Assembly and Command Ship (ACS), which will be located 6.5 km off shore. The testing will occur for a period of less than 12 hours on September 3, 2000. The transmit frequency of operation is within the 6.425-6.525 GHz BAS band. All technical parameters of the link are included in Attachment A.

Sea Launch is requesting Special Temporary Authority, FCC Rule, Part 5.56, and in conjunction with this request would like to coordinate the operation of this link with other users of the frequency band. Please review the attached and contact Comsearch if you feel any potential for interference exists or would like to discuss the coordination of this test link further.

Sincerely,
COMSEARCH

Kenneth G. Ryan
Director of Satellite Engineering Service
Tel: (703) 476-2685
Fax: (703) 476-2727
Email: kryan@comsearch.com

Enc: Attachment A, Sea Launch Re-radi Test Link Sub p.7

ATTACHMENT B (cont.)

Sea Launch Re-Radiation Test Link Data

Contact name: William Gjertson
(425) 393-2557 (voice)
(425) 477-5777 (fax)
US Sea Launch
P.O. Box 32889
Long Beach, CA 90832-2889

Nature of Test Link: RF microwave link between Launch Platform docked at
Long Beach, CA and Assembly and Command Ship (ACS)
located approximately 6.5 km off shore.

Location of transmitter: ACS Ship
33° 42' 38" N. Latitude
118° 14' 55" W. Longitude.

Location of Receiver: Launch Platform
33° 44' 41" N. Latitude
118° 13' 28" W. Longitude.

Frequency of Operation: 6476 MHz
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Transmit Antenna
Height: 42 m
Type: 1m parabolic reflector
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