

Douglas Young

From: Douglas Young
Sent: Friday, June 29, 2018 2:24 PM
To: John Kennedy; David Duarte
Cc: OET-SCB; ELB-Coordination-Info
Subject: STA Coordination, Space Exploration Technologies Corp. (SpaceX), File #1176-EX-ST-2018
Attachments: 1176-EX-ST-2018.RTF; 212112.PDF

Tracking:	Recipient	Read
	John Kennedy	
	David Duarte	
	OET-SCB	
	ELB-Coordination-Info	Read: 6/29/2018 2:24 PM

Attached is a coordination and supporting documentation for the subject experimental STA. The requested start date is **07/14/2018**. This request is for testing of the Falcon 9 and Falcon Heavy launch vehicle systems from the SpaceX Rocket Development and Test Facility between **07/14/2018** and **01/14/2019**.

Please CC ELB-Coordination-Info@fcc.gov with all responses.

Doug

FCC FREQUENCY COORDINATION NOTICE

Experimental Licensing Branch Office of Engineering and Technology

The following application is attached for your review:

Applicant: Space Exploration Technologies Corp (SpaceX)

File Number: 1176-EX-ST-2018

Start Date: 7/14/2018

End Date: 1/14/2019

Why STA Is Necessary:

This STA is required for testing of the Falcon 9 and Falcon Heavy launch vehicle systems from the SpaceX Rocket Development and Test Facility in McGregor, Texas.

This STA is an extension of 0911-EX-ST-2017.

Purpose of Operation:

Testing of the Falcon 9 and Falcon Heavy launch vehicle systems from the SpaceX Rocket Development and Test Facility in McGregor, Texas.

Contact: Christopher Wilkins

Phone: 2026492729

Email: cwilkins@spacex.com

Nature of Service: EXPERIMENTAL

Class of Station: XT FX

Call Sign: WH2XUB

Station Location (1)

McGregor, MCLENNAN, TX- NL 31-23-19; WL 97-28-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	65.4W (ERP)	0.00025000

Station Location (2)

McGregor, MCLENNAN, TX- NL 31-23-55; WL 97-27-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209 MHz	FX	4M14F1D	11.8W (ERP)	0.00025000
2209 MHz	FX	4M84F1D	11.8W (ERP)	0.00025000
2211 MHz	FX	3M22F1D	20.65W (ERP)	0.00025000
2211 MHz	FX	4M14F1D	20.65W (ERP)	0.00025000
2232.5 MHz	FX	3M22F1D	20.65W (ERP)	0.00025000
2255.5 MHz	FX	3M22F1D	20.65W (ERP)	0.00025000
2255.5 MHz	FX	4M14F1D	20.65W (ERP)	0.00025000
2272.5 MHz	FX	3M22F1D	20.65W (ERP)	0.00025000
2370.5 MHz	FX	4M88G1D	20.65W (ERP)	0.00025000
2382.5 MHz	FX	4M88G1D	20.65W (ERP)	0.00025000

Station Location (3)

McGregor, MCLENNAN, TX- NL 31-23-20; WL 97-28-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209 MHz	FX	4M14F1D	0.000034W (ERP)	0.00025000
2209 MHz	FX	4M84F1D	0.000034W (ERP)	0.00025000
2211 MHz	FX	3M22F1D	0.000034W (ERP)	0.00025000
2211 MHz	FX	4M14F1D	0.000034W (ERP)	0.00025000
2232.5 MHz	FX	3M22F1D	0.000034W (ERP)	0.00025000
2255.5 MHz	FX	3M22F1D	0.000034W (ERP)	0.00025000
2255.5 MHz	FX	4M14F1D	0.000034W (ERP)	0.00025000
2272.5 MHz	FX	3M22G1D	0.000034W (ERP)	0.00025000
2370 MHz	FX	4M88G1D	0.000034W (ERP)	0.00025000
2382.5 MHz	FX	4M88F1D	0.000034W (ERP)	0.00025000

Chris Wilkins

From: wayne.morris@L-3com.com
Sent: Tuesday, June 07, 2016 11:03
To: Nader Damavandi
Cc: dataentry@aftrcc.org; treasurer@aftrcc.org
Subject: AFTRCC ICN 1355-16/6195 (Space X Tech./Booster Check Out-McGregor, TX) (UNCLASSIFIED)

Follow Up Flag: Follow up
Flag Status: Flagged

This email is your AFTRCC coordination.

This coordination includes this header information, DOD Area Frequency Coordinator comments and AFTRCC comments. These messages must not be separated.

This coordination is advisory only and not binding on the FCC. Applicants are advised that this coordination does not constitute a judgment that the frequency(ies) is best suited for the applicant's purpose nor that the frequency(ies) is exclusive to the applicant. Flight Test frequencies are shared and may require scheduling with other users.

In return for AFTRCC's processing of the applicant's coordination request, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, members, and representatives from any claims, losses or expenses that may arise from the use of the frequency.

This coordination is not an authorization to transmit. A copy of this coordination must accompany application to the FCC.

Signed:

Wayne Morris
AFTRCC Telemetry Coordinator
903-457-6949

From: Sanchez, Luis G (Guillo) CIV USARMY (US) [mailto:luis.g.sanchez10.civ@mail.mil]
Sent: Tuesday, June 07, 2016 10:00 AM
To: Morris, Wayne L @ AS - MID <wayne.morris@L-3com.com>
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US) <edwin.sanchez1.civ@mail.mil>
Subject: RE: AFTRCC ICN 1355-16/6195 (Space X Tech./Booster Check Out-McGregor, TX) (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

AFMO-US&P CONCUR WITH AFTRCC ICN 1355-16/6195 (Space X Tech./Booster Check Out-McGregor, TX). COORDINATION NUMBER [AFM0160460//GUILLO-LUIS.G.SANCHEZ10.CIV@MAIL.MIL-210-221-0454//](#)

Note: C024 Comments: DoD database check shows no conflicting DoD assignments within 50 mile radius.

V/R
Guillo
Office:
COM: 210-221-0454
DSN: 312-471-0454
Fax: 2844

From: wayne.morris@L-3com.com [<mailto:wayne.morris@L-3com.com>]
Sent: Monday, June 06, 2016 2:11 PM
To: Sanchez, Luis G (Guillo) CIV USARMY (US) <luis.g.sanchez10.civ@mail.mil>
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US) <edwin.sanchez1.civ@mail.mil>
Subject: [Non-DoD Source] AFTRCC ICN 1355-16/6195 (Space X Tech./Booster Check Out-McGregor, TX)

AFTRCC concurs with and requests DoD AFMO-US&P concurrence/coordination on the following new station request.

Applicant:
Space Exploration Technologies Inc.
1 Rocket Rd.
Hawthorne, CA 90250
POC: Nadar Damavandi (310-219-7854)

Frequencies: 2370.5 MHz / 2382.5 MHz

Station Class: MOEC

Emission: 4M88G1D

Power: 20 watts (Peak)

Location: McGregor, TX (31-23-54N 97-27-48W)

MIRAD: Fixed

Dates: 2016-07-01 thru 2021-07-01

AFTRCC comments: AFTRCC database check confirm no conflicting assignments within 30 mile radius of requested location.

Please reply via return email as to concurrence, non concurrence, scheduling, or additional comments.

Signed:
Wayne Morris
AFTRCC Telemetry Coordinator
903-457-6949
CLASSIFICATION: UNCLASSIFIED