

Douglas Young

From: Douglas Young
Sent: Monday, September 16, 2019 3:10 PM
To: John Kennedy; David Duarte
Cc: OET-SCB; ELB-Coordination-Info
Subject: STA Coordination, Space Exploration Technologies Corp. (SpaceX), File #1514-EX-ST-2019
Attachments: 1514-EX-ST-2019.rtf

Tracking:	Recipient	Read
	John Kennedy	
	David Duarte	
	OET-SCB	
	ELB-Coordination-Info	Read: 9/16/2019 3:10 PM

Attached is a coordination for the subject experimental STA. The requested start date is **10/10/2019**. This request is for launch vehicle communications, for SpaceX Mission 1455, from Complex 40, Cape Canaveral AFS for use between **10/10/2019** and **04/10/2020**.

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: 1514-EX-ST-2019

Start Date: 10/10/2019

End Date: 4/10/2020

Why STA Is Necessary:

This application uses information from previous grant, 0276-EX-ST-2019. This STA is necessary to authorize launch vehicle communications for SpaceX Mission 1455, from Complex 40, Cape Canaveral AFS. Includes sub-orbital first stage, and orbital second stage. Trajectory data will be provided directly to NTIA, USAF, and NASA. All downrange Earth stations are receive-only. Launch licensing authority is FAA Office of Commercial Space Transportation.

Purpose of Operation:

Launch vehicle communications for mission launching from Cape Canaveral.

Contact: Kristi Key

Phone: 3109708116

Email: kristina.key@spacex.com

Nature of Service: EXPERIMENTAL

Class of Station: XT MO

Call Sign: WG9XHP

Station Location (1)

MOBILE: SLC 40, CCAFS; Launch vehicle 1st stage

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2211 MHz	MO	4M14F1D	11.8W (ERP)	0.00022500
2211 MHz	MO	4M84F1D	11.8W (ERP)	0.00022500
2255.5 MHz	MO	4M14F1D	10.8W (ERP)	0.00022500
2255.5 MHz	MO	4M84F1D	10.8W (ERP)	0.00022500

Station Location (2)

MOBILE: Launch vehicle 2nd stage, orbital

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2232.5 MHz	MO	4M14F1D	9.4W (ERP)	0.00022500
2272.5 MHz	MO	4M14F1D	9.6W (ERP)	0.00022500