

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

I. Description of Need for STA

Pursuant to Section 5.61 of the Commission's regulations, 47 C.F.R. § 5.61, Sikorsky Aircraft Corporation ("Sikorsky") hereby requests a grant of special temporary authority ("STA") to continue to test and evaluate the performance of avionics and communications systems onboard new aircraft types. Authorization is sought for a 180 day period, beginning April 28, 2014.

II. Description of Operation and Purpose of STA

Sikorsky, a world leader in manufacturing rotary-wing aircraft for both commercial and military customers, submits this STA request in order to continue its program of required testing of avionics and communications equipment onboard new aircraft types. The instant request is similar in nature to a series of STAs previously granted to Sikorsky and will facilitate the continued testing and development of new and innovative aircraft types.¹

The testing equipment will comprise both a vehicle-mounted ground station as well as a mobile unit mounted onboard a rotary-wing aircraft operating at up to a 200 mile radius from the testing facility.² All testing will occur on an ongoing basis at three integrated locations: (i) the Sikorsky Development Flight Center located in Jupiter, Florida, the testing site for its previous STA requests; (ii) Redstone Army Base in Huntsville, Alabama; and (iii) Sikorsky's headquarters in Stratford, Connecticut. At all times, testing will be conducted under the close supervision of Sikorsky personnel.

Sikorsky recently filed a separate two-year experimental license application in connection with its long-term aircraft testing operations.³ The instant request is submitted to support a specific need for expedited testing of the communications and avionics components onboard new aircraft types as they are manufactured, developed, and tested across multiple Sikorsky facilities.

III. Test Frequencies and Coordination

Sikorsky seeks to conduct testing at the Redstone Army Base in Huntsville, AL at the specific frequencies identified below:

Frequency Range (MHz_	Specific Frequency (MHz)
10.15-11.175	10.5
11.4-11.6 9	11.5

¹ See OET File No. 0580-EX-ST-2013, Call Sign W9XWN, granted Aug. 12, 2013 and File No. 0127-EX-ST-2014, Call Sign WG9XWN, granted Mar. 6, 2014.

² For a picture of the vehicle-mounted ground station, please see Exhibit A attached to the instant application.

³ See OET File No. 0271-EX-PL-2014, filed Mar. 28, 2014.

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12.1-12.23	12.160
13.41-13.57	13.49
15.1-15.8	15.30
16.36-17.41	17.30
18.168-18.78	18.30
19.02-19.68	19.30
20.01-21	20.30

Sikorsky seeks to conduct testing at its Jupiter, FL Development Flight Center at the specific frequencies identified below:

Frequency Range (MHz_	Specific Frequency
5.06-5.45	5.3
7.45-8.1	7.5
10.15-11.175	10.5
11.4-11.6 9	11.5
12.1-12.23	12.160
133-144	138.30
144-146	145.70
162.0375-173.2	162.7
403-406	404.125
470-512	470.150 510.685

Sikorsky seeks to conduct testing at its Stratford, CT headquarters at the specific frequencies identified below:

Frequency Range (MHz_	Specific Frequency (MHz)
13.41-13.57	13.49
15.1-15.8	15.30
16.36-17.41	17.30
18.168-18.78	18.30
19.02-19.68	19.30
20.01-21	20.30

Currently, the Commission's regulations allow stations in the experimental radio service to use any federal or non-federal frequency, provided that the request is fully justified by the applicant

and the frequency band is not exclusively allocated to the passive services.⁴ All planned testing will be conducted on a non-interference basis to protect incumbent users – both federal and non-federal – in the requested frequencies from incurring any interference to their existing operations.

Consistent with the requirement to protect existing users from receiving any harmful interference, Sikorsky will coordinate testing operations in these frequencies with all relevant parties. Sikorsky also will comply with any and all conditions imposed by the Commission, as it has under the terms of its other STA grants.

IV. Stop Buzzer and Contact Information

The “Stop Buzzer” contact at Sikorsky is Joseph Conlon, who will be available 24 hours per day, 7 days per week to cease operations should any reports of harmful interference be received. Joseph Conlon can be reached at:

(772) 485-7971 (mobile)
(561) 775-5238 (landline)
JConlon@sikorsky.com (email)

For any questions regarding this application, please contact:

Brian D. Weimer
Sheppard Mullin Richter & Hampton LLP
202-469-4904 (phone)
202-218-0020 (fax)
bweimer@sheppardmullin.com (email)

V. Conclusion

For the reasons set forth above, Sikorsky respectfully requests that the Commission expeditiously grant the requested STA in order to facilitate its continued development and implementation of innovative aircraft types.

⁴ 47 C.F.R. § 5.85.