

EXHIBIT 1

REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORIZATION

Pursuant to 47 C.F.R. § 5.61(c), HNS License Sub, LLC (“Hughes”) respectfully requests a six-month extension of its special temporary authorization (“STA”) (Call Sign WR9XAB; File No. 1403-EX-ST-2020) to test and evaluate new equipment for wireless broadband access to the home in rural, suburban, and urban areas. Specifically, Hughes seeks an additional six-month period to test and evaluate key functionalities of prototype equipment, including hub stations and user terminals, designed to improve non-line-of-sight reliability and spectral efficiency of wireless broadband access systems. The proposed STA operations will facilitate testing and evaluation of the coverage, capacity, and reliability of multiple link operations on the same frequency channel. Hughes will not market, sell, or lease prototype equipment authorized under the requested STA.

A. *Technical Specifications*

1. Transmit frequencies: 3300-3550 MHz and 3700-3800MHz
2. Additional technical parameters are specified in the accompanying STA Form and table below, consistent with the terms of the existing STA:

Type	Model	Number of units	Bandwidth (MHz)	Emission Designator	EIRP (dBm)	EIRP (W)	ERP (dBm)	ERP (W)
Base station	BN AA3-BN-XX	4	80	80M0D7D	55	316.2	52.8	190.5
Remote terminal	RN AA3-RNF-XX	40	40	40M0D7D	46.4	43.7	44.2	26.3

B. *Contact Information*

For questions about this application, please contact:

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In the unlikely event of interference from the proposed STA operations, please contact:

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