

Request for STA from Lynk Global, Inc.

The purpose of this document is to request an STA to operate the SatLab duplex transceiver module on board the Lynk spacecraft which will be operating under a previously granted STA, File Number: 2130-EX-ST-2019, Call Sign: WQ9XDP.

[REDACTED]

[REDACTED]

The SatLab module will communicate between the Lynk spacecraft and ground stations using licensed commercial TT&C ground stations already approved for similar use. [REDACTED]

[REDACTED]

[REDACTED] We are requesting that our Experimental License cover these space to ground transmissions.

[REDACTED]

The period of operation for the SatLab duplex transmitter modules will be the same as the time frame for Lynk's experimental satellite, 1 May 2020 to 1 November 2020. The following technical data is provided for this hardware.

The ITU emission designation would be: 563KF1DXN

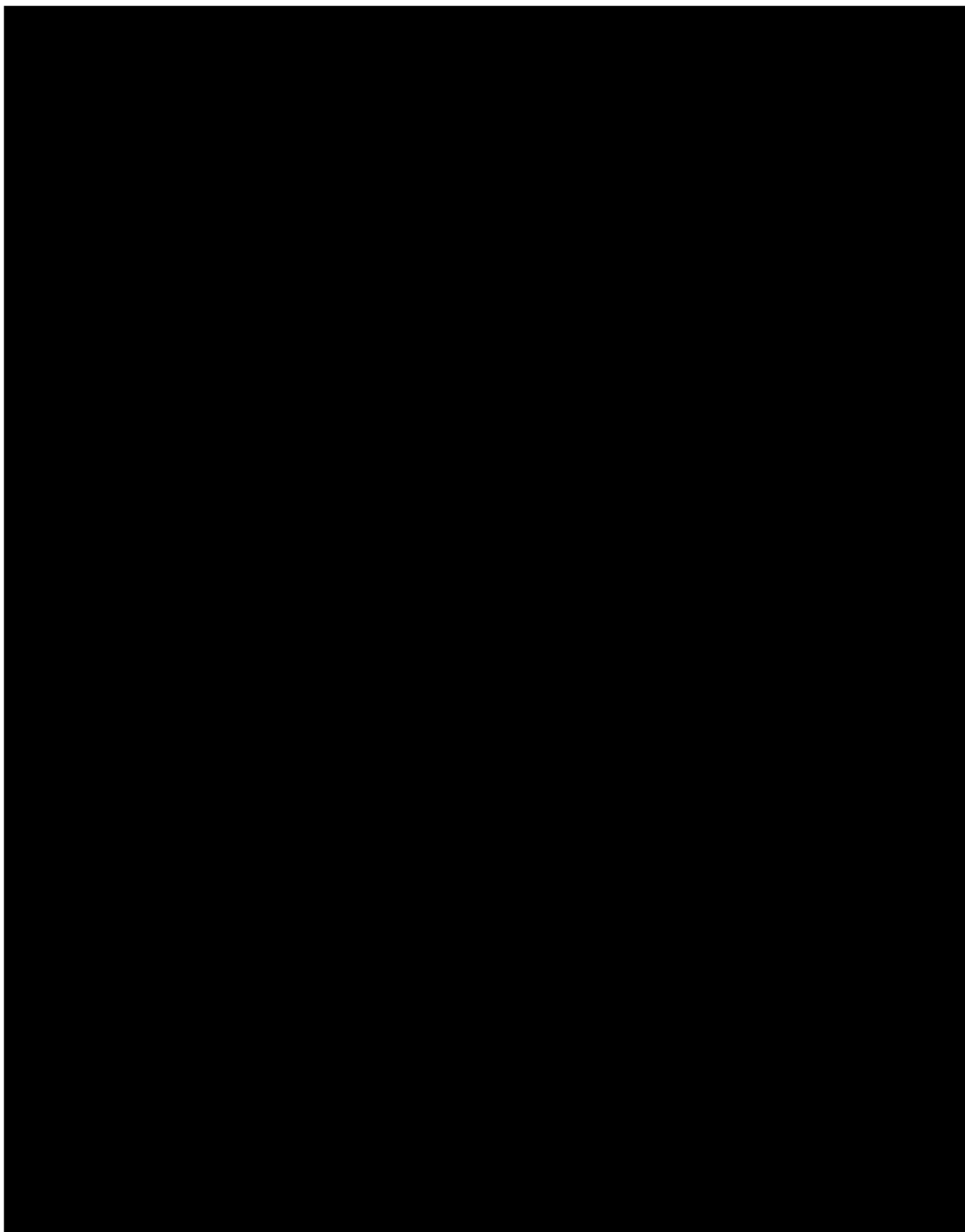
Bandwidth: 563.2 KHz

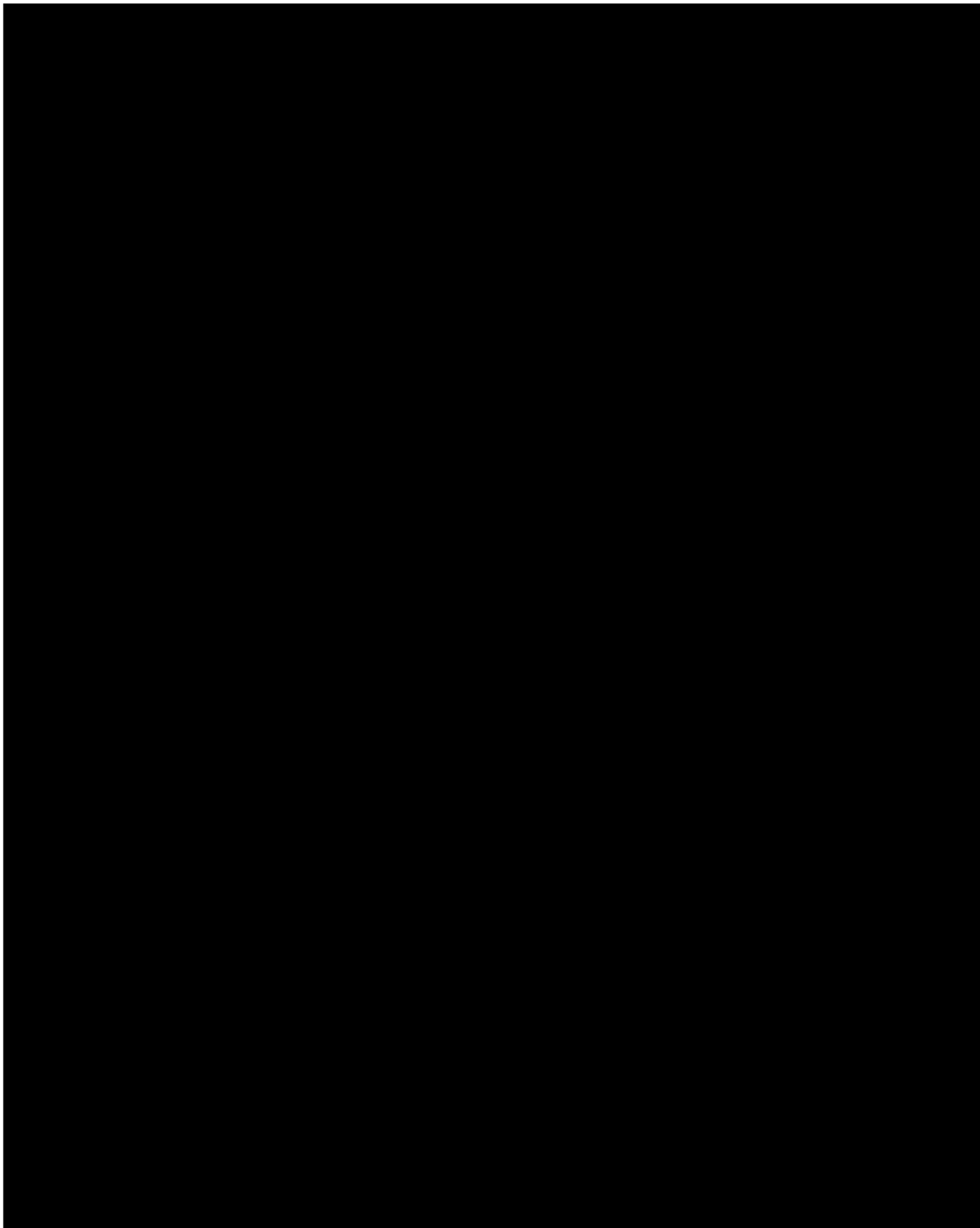
Modulation Nature: [1] Digital, on-off or quantized, no modulation

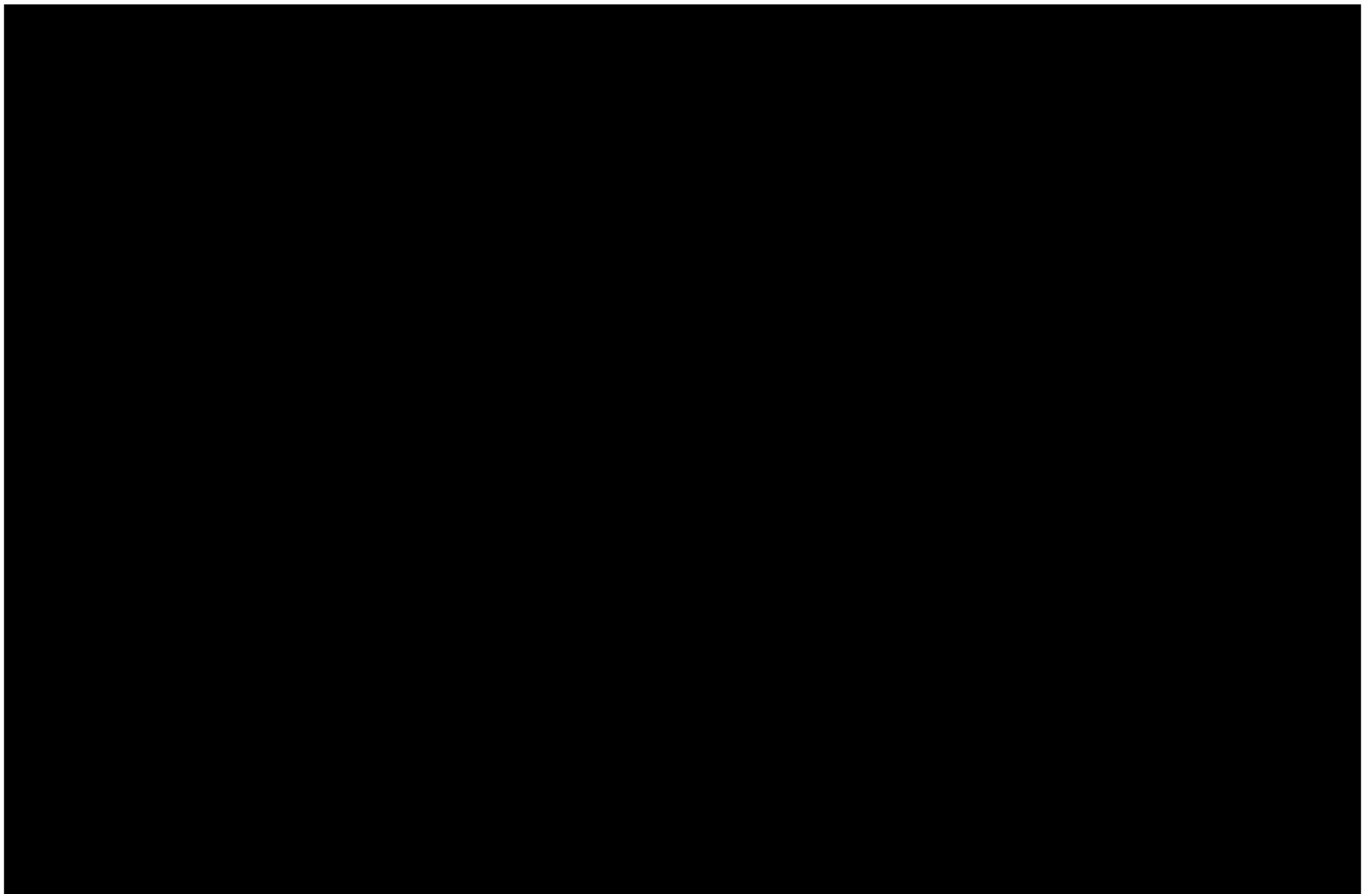
ERP: 2.1 W

[REDACTED]

[REDACTED] The transmitter can produce a signal within the 2200-2290 MHz band, but is planned to be operated at a Transmission center frequency of 2230 MHz.







The provisioned Ground Stations for the Lynk mission are listed in the table below.

GS	Location	Latitude [N]	Longitude [E]
IE-01	Cork – Ireland	51.95	-8.17
EU-05	Santa Maria – Azores	36.99	-25.13
NA-34	Las Cruces - USA	32.27	-106.91

