

From: yan Stephen

To: Hung Le

Date: February 06, 2019

Subject: Request for Info - File # 2142-EX-ST-2018

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Message:

Our radar system is a frequency modulated continuous wave (FMCW) radar system. Here are the specifications:

Frequency band: 2-18GHz

Transmit power: 0.5W

Modulation: linear frequency sweep

Pulse width: 250us

Antenna gain: 6-16 dBi over 2-18 GHz (<https://www.pasternack.com/images/ProductPDF/PE9887-11.pdf>)

Look angle: Nadir looking

Flight altitude: 500 m above surface

Operation area: (around Grand Mesa and Senator Beck Mine)

39°16'31.45"N 108°26'51.92"W

39°16'41.46"N 105°50'0.54"W

37°40'20.20"N 106°58'22.22"W

37°42'4.13"N 108°5'22.68"W

Operating time period: Mar 18-29

We indeed has obtained a similar experimental license for radar operation (0105-EX-ST-2016).