

Purpose of Experimental STA Request

An Experimental License is requested for the purpose of radar detection testing. This is furtherance and extension of the tests conducted under BNSF's STA call sign WJ9XID.

Locations

Operation of two (2) SRC-3554 Radars between the following location:

Location	Latitude/Longitude	Radius Of Operation	Number Of Radars
Playas, NM	31° 54' 10.9620" N, 108° 31' 29.5644" W	10km	2

SRC-3554 Frequency Requirements

A single SRHawk (SRC-3554) radar requires only one frequency within the 16.21-16.50 GHz operating band of the system to operate. If more than one radar is used each frequency must be separated by at least 50 MHz. Our experiment will utilize:

Location	Number Of Radars to be used (up to)	Number of Frequencies Used Per Radar	Total Frequencies needed for Experimental STA
Playas, NM	2	1	2

Operating Schedule

The operating schedule that will be used for the SRC-3554 Radar during the course of the Experimental License grant is:

Schedule Times	Date
Start Date of Experiment	-
End Date of Experiment	-
Daily Operation during Experiment	Intermittently up to 24 hours per day

Interference Mitigation

The SRC-3554 radar can blank transmissions from 0 to 360 degrees in azimuth if necessary to protect other services that may be operating.

Cease Buzzer Point Of Contact

In the event interference complaints were to occur, preventative measures have been taken to cease and desist from transmission until they can be resolved. The POC for Cease Buzzer is:

Point Of Contact	Telephone Number
Cease Buzzer	Primary (626) 302-7858 Secondary (315) 452-8114