

Experimental License Details

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General Information:

Purpose of Request: A Special Temporary Authorization is required to operate a StreamCaster 4200/4400 Data Link, and VHF support radios, in the Twentynine Palms and Camp Pendleton areas. An STA is best for this event because the operation will last for a period of less than 6 months.

Description of Operation: The data link consists of a ground station communicating to and from an aircraft. The ground station will uplink to the aircraft and the aircraft will downlink to the ground station. The VHF frequencies are only needed at the Twentynine Palms location.

Point of Contact Information:

Emergency Stop Buzzer: Mike Morgan Stop Buzzer Cell: 540-903-2199

Duration of Events:

Operational Start Date: 4/1/2018 End Date of Operation: 9/30/2018

Location of Operation:

State	City	Latitude (DMS)	Longitude (DMS)	Radius (km)
CA	Twentynine Palms (KNXP) Strategic Expeditionary Landing Field	34°17'45"N	116°09'43"W	80 km 0 - 3,000 ft AGL
CA	Camp Pendleton	33°13'46"N	117°22'51"W	80 km 0 - 3,000 ft AGL

Transmitting Equipment Information:

Manufacturer	Equipment Name/Model	FCC ID
Silvus	StreamCaster 4200/4400	Experimental
ICOM	A110 Base Station	AFJIC-A110
ICOM	A14	AFJ307400
Collins	AN/ARC-186 RT-1299(V)7	N/A

License Request Information

Frequency (MHz)	Station Class	Output Power (W)	ERP (W)	Mean vs. Peak Power	Freq. Tolerance (%)	Emission Designator
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2290 - 2310 MHz 2390 - 2410 MHz 2480 - 2500 MHz	MOEA, MO	4 W	16 W	Mean	0.0005%	5M00G1D 10M0G1D 20M0G1D
123.125 MHz	MO	10 W	16.4 W	Mean	0.002%	6K00A3E
123.125 MHz	MO	1.469 W	2 W	Mean	0.0005%	6K00A3E
123.125 MHz	MO	9 W	16.4 W	Mean	0.0005%	6K00A3E