

Description of project.

This STA submission is in support of a US Air Force initiative to develop and test a Radio Frequency repeater (COMMANDO PARROT) to relay Blue Force Tracking (BFT) beacons used by the US military and other sensitive government agencies world wide. The COMMANDO PARROT repeater will be used for testing and training of rescue operations around the EGLIN AFB area.

The COMMANDO PARROT repeater prototype is built by Southwest Research Institute in San Antonio TX and is very familiar with all FCC and COMMERCIAL engineering and emissions compliance procedures and regulations.

Beacons at 350 MHZ will be transmitted by ground forces. Data will be received and then retransmitted at 802 MHZ. Output power of the COMMANDO PARROT is 200 milliWatts using a Direct Sequence Spread Spectrum modulation. 802 MHZ output frequency was selected due to the receivers design (classified design).

There is some flexibility in the output frequency, if required.

We would like to test performance at all four locations tested. All test locations are located on existing US Air Force towers.

Primary reason for this request is because our output frequency is outside the assigned government frequency bands.

If STA test are successful, we would like to apply for an EXPERIMENTAL license for this architecture.

The COMMANDO PARROT has been tested previously by SWRI with a STA:

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FILE NUMBER=0499-EX-ST-2005

AUTH DATES= Aug 29 2005 to Sept 29 2005

During these test, no abnormal emissions were detected and no interference was reported.

This application was originally submitted in November 2008, however, it was erroneously sent via 'paper copy' regular mail. We respectfully request approval of this 'on line' submission as soon as possible. This is requested to support a large exercise later this month.

Have any question, feel free to contact me.

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