

1st October 2016

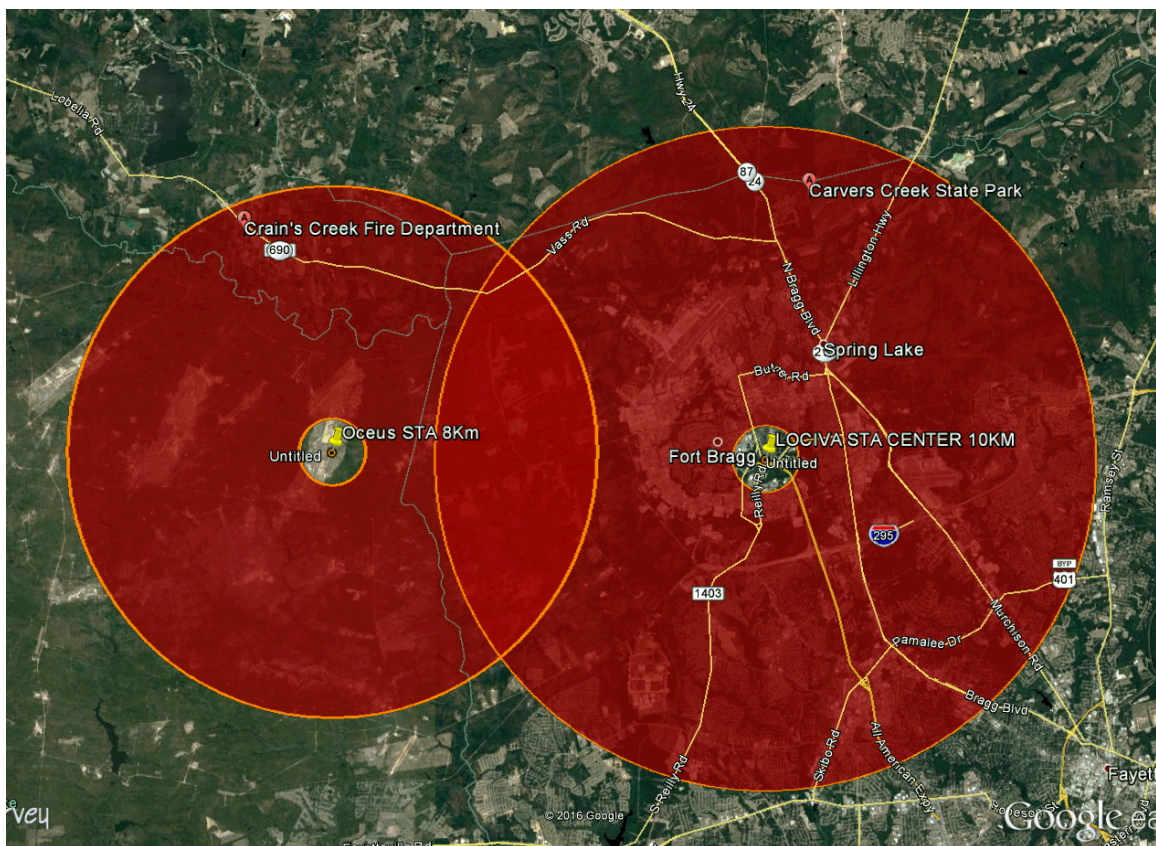
LOCIVA FCC Filing for Experimental License

The submission adds LTE Band 4 transmit frequencies to our previous FCC renewal **0058-EX-CR-2016** for all of the defined locations except as specified below for North Carolina where the antenna height is differed

We are undertaking some airborne testing with LTE between 3000m and 4500m using Nokia COTS LTE systems connected to flight approved OMNI antennas mounded on the underneath of a Pilatus PC-12 aircraft

These are the test areas highlighted below

The aircraft are operated from Fayetteville airport by Sierra Nevada Corporation on behalf of the US Government – specifically the SOCOM units stationed at Ft Bragg



A SOCOM application server is being deployed on the ground and on the aircraft to enable control and management of video and audio applications



New L, S, C, X, or Ku-Band Antenna (1 Port),
P/N: 3B-X-XX-Y.YYV-XX-X,
P/N: 3B0.80-2.50XT-1 for Cellular/GSM/PCS/Wi-Fi
3" Tall Blade Configuration

ISO 9001:2008/FAA Approved Facility
ANTCOMM CORPORATION, 367 Van Ness Way, Suite 602, Torrance, CA 90501, USA, Tel: (310) 782-1076, Fax: (310) 782-1086, E-mail: antennas@antcomm.com, http://www.antcomm.com
Antenna Mounts/Adapters: http://www.antcomm.com/documents/catalogs/PeripheralAntennaProducts2.pdf

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
NOTES: UNLESS OTHERWISE SPECIFIED:

NAME OF CUSTOMER: _____
NAME OF DRAWING: _____
DATE: _____
REVISIONS: _____

DATE REV DESCRIPTION DATE APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	(X.XX.YY) See Frequency Chart below
PATTERN:	OMIDIRECTIONAL
VELOCITY:	VELOCITY
ANTENNA GAIN:	4.5 dBi
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	200 watts

MECHANICAL:

SIZE: WIDTH: 2.055 in. [52 mm], LENGTH: 5.25 in. [133 mm], HEIGHT: 3.062 in. [77 mm]

FINISH: SKYDOL RESISTANT POLYURETHANE ENAMEL BASE COAT PER MIL-C-5441

COLOR: LUSTERLESS GRAY #6320 PER FED-STD-595B GLOSS WHITE #17925 PER FED-STD-595B OLIVE DRAB GREEN #34031 PER FED-STD-595B LUSTERLESS BLACK #37038 PER FED-STD-595B 6061-T6 ALUMINUM ALLOY BASE THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDOL RESISTANCE TNC FEMALE CONNECTORS (OPTIONAL: SMA, N, BNC, TNC)

CONNECTOR: TNC FEMALE CONNECTORS (OPTIONAL: SMA, N, BNC, TNC)

ENVIRONMENTAL:

TEMPERATURE: -57°F TO +185°F [-55°C TO +85°C]

ANALOG: 70 MHz

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DO-160D, MIL-C-5541, MIL-E-5400, MIL-45208A, AND MIL-STD-883C

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE & PRODUCTION		
2	DO-160D, MIL-C-5541, MIL-E-5400, MIL-45208A, AND MIL-STD-883C		

ANTCOMM CORPORATION

OUTLINE DRAWING

VIDEO DATA LINK ANTENNA

3C-VET 3B-X-XX-Y.YYV-XT-X

SCALE: 1/1

SHEET 1 OF 1

