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FAA Notification of FCC Equipment Approval under FCC Part 87 NAV/COM Transceiver NCT6500 FCC ID: BE54NCT6500

Dear Ladies and Gentlemen,

in accordance with the Federal Communications Commission (FCC) Rules and Regulations, Part 87-147(d), Becker Avionics GmbH hereby notifies the Federal Aviation Administrative (FAA) of its simultaneous filing with the FCC of an application for Certification of the NAV/COM Transceiver NCT6500.

The NCT6500 series is a modern family of navigation and communication equipment. It is a single block device with a control panel and combines a navigation receiver (NAV) and a VHF communication transceiver (COM) in one device. The NAV subsystem and the COM subsystem work independently of each other. The control head with modern HMI design works as interface between the operator and the NAV/COM subsystems. All control elements and indicators are on the front panel. The device(s) are made for cockpit installation in fixed wing or rotary wing aircraft. They are compatible with 14 and 28 V power supply systems.

There are following frequency bands used:

- COM Subsystem: 118.000 MHz and 136.9916 MHz, respectively 136.9750 MHz, with a selectable channel spacing of 8.33 kHz or 25 kHz
- NAV Subsystem: 108.00 MHz and 117.95 MHz

The emission designators of the system are:

- 25 kHz channel spacing: 6K00A3E
- 8.33 kHz channel spacing: 5K60A3E

The RF Output Power of the system is:

- ≥ 10 W at 50 Ohm (with 28 VDC)
- ≥ 8 W at 50 Ohm (with 14 VDC)

Following technical standard orders are followed to build the NCT6500:
ETSO-2C169a, ETSO-2C128, ETSO-2C34f, ETSO-2C36f, ETSO-2C40c
(TSO-C169a, TSO-C34e, TSO-C36e and TSO-C40c were considered).

The NCT6500 system is foreseen to be installed into an aircraft.

If you have any questions, please feel free to contact me at the address shown below.

Yours sincerely



Frank Kistner