Agent Authorization

Company: Mimosa Networks, Inc.
Address: 3150 Coronado Dr. Santa Clara, CA 95054, USA
Product Name: B6x
Model Number(s): B6x
Derivative Model: NA

Product Description
The Mimosa B6x is a microwave point-to-point backhaul radio operating in the 5.15 GHz – 6.4 GHz unlicensed frequency bands. It can be tuned to up to two frequencies at a time, sending and receiving on up to two simultaneous polarizations each.In the transmit direction, packet data received on a Gigabit Ethernet port or 10G SFP Port is processed by a baseband processor which provides the baseband Orthogonal Frequency Division Multiplexed (OFDM) modulation and demodulation for four operating chains. The baseband signals are then routed to RF generation device (transceiver) which translates the signals up to one of two independent 5 or 6 GHz channels with a channel bandwidth of up to 160 MHz. The RF outputs from the transceivers are filtered, amplified and combined into two separate RF signals, one for each output polarization of an orthomode transducer. In the receive direction, signals from each of two polarizations from the orthomode transducer are amplified, filtered, and split into two chains and fed to transceiver. The transceiver translate the two 5GHz or 6GHz signals, each in a 5 GHz or 6GHz channel independent of the other, and each with a channel bandwidth of up to 160 MHz, to baseband. These signals are then fed to the baseband processor which demodulates them and performs all further packet processing necessary to transmit the data on a Gigabit Ethernet link or 10G Optical SFP Link. An integrated GNSS module and GPS+GLONASS antenna are used both for determining the physical location of the radio and to discipline a VCTCXO to ensure frequency accuracy of the RF signals transmitted by the radio. A single 1000Base-T Ethernet port and 10G Optical SFP port provides wired network connectivity to the radio, which is powered via low-voltage Power over Ethernet over this same interface or can be powered with dedicated DC port supporting +48VDC

We authorize MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA, to act on our behalf on all matters concerning the certification of above named equipment.

We declare that MiCOM Labs Inc. is allowed to forward all information related to the approval and certification of equipment to the regulatory agencies as required and to discuss any issues concerning the approval application. Any and all acts carried out by MiCOM Labs on our behalf shall have the same effect as acts of our own.

Signature: _____ **Date:** Sep.18, 2024

Name: Syed Aon Mujtaba

Title: SVP, Engineering

Company: Mimosa Networks, Inc.