

Channel Bandwidth Emissions for the Alvarion unit I have submitted for testing is F2d. I have provided more information on this unit below:

Radio

Frequency UL: 3499.5-3600.0MHz DL: 3399.5-3500.0MHz
Radio access method TDMA FDD
Channel bandwidth 1.75MHz, 3.5MHz
Central frequency resolution 125KHz
Maximum output power 20dB±1dB
Modulation BPSK, QPSK, 16QAM, 64QAM
Antenna 17dBi, 20°, vertical & horizontal polarization, compliant with EN 302 085, Class TS 3
Antenna port 50 ohm

Data Communications

Data IEEE 802.3 CSMA/CD
Air interface IEEE 802.16-2004
VLAN support IEEE 802.1Q
Traffic classification Layer 2 IEEE 802.1p, IP DiffServ Code Points DCSP

Electrical Characteristics

Power source 100–240 VAC, 50-60 Hz
Power consumption (max) 16.5W

Physical and Environmental

Dimensions 30.5x30.5x7.5 (2.4Kg)
Operating temperature -40°C to 55°C
Operating humidity 5%-95% non condensing, weather protected

Standards and Regulations

Radio ETSI EN 301 021 V.1.6.1, ETSI EN 301 753 V.1.1.1
EMC ETSI EN 301 489-1
Safety EN 60950 (CE) , CB, IEC 60 950 US/C (TUV)
Environmental ETS 300 019
part 2-1 T 1.2 & part 2-2 T 2.3, part 2-4 T 4.1E

Our testing in Norwalk is for helping develop the WiMaxx Standard through cooperation with Alvarion USA. We hope to contribute the development and refinement of this WiMaxx standard by providing our industry specific tests/research. For this we will be doing limited testing with our equipment outdoors to put this equipment through various practices and test for equipment reliability, quality, total throughput, and other issues.

For our Cleveland location that we requested on behalf of the NASA facility, they had plans to do the testing on their new Moon-Rover project. This WiMaxx technology has promising uses regarding range/throughput, and robust design to be implemented on various NASA projects.

For more information on the details of our testing please feel free to contact Mike Cowan, or Adam Withem
419.660.6100