



WIFI-PLUS, Inc.
 ADVANCED MP-Tech. ANTENNA SOLUTIONS

www.wifi-plus.com

330-273-3665

'EXTREME-UWB' OMNI ULTRA Wide Band -- 108MHz - 6GHz
WFP0200529

Revolutionary Omni-Directional Antenna provides 'Plug-&Play' High Gain/Performance with any 108MHz to 6GHz radio device in all (azimuth) directions.

[And it allows up to a full one-watt radio, amp/pre-amp on 900MHz, 2.4GHz, & 5.8GHz ISM bands, meeting FCC 15.247 regulations.]

Years in development, this is the optimized gain, optimized spatial and polarization diversity Multi-Polarized ULTRA Wide Band Antenna... And it is available in both base station and vehicle versions.

Optimum range & penetration for High Profile (high performance-power radios//amp/pre-amps) installation systems AND for getting the most from less expensive-lower power Radio Deployments...

HIGH EFFECTIVE MP-Technology GAIN for both transmit and receive in LOS (Line Of Sight) as well as NON/NEAR-LOS obstructed scenarios.

This ultimate design provides MP-Technology* for the best in obstruction (walls, buildings, trees, hills, etc.) penetration with diffraction (fresnel zone issues & knife-edge diffraction), reflection, refraction, and scattering, mitigating phase/polarization-shifts/fluctuations (capture of Preferred Polarized Path & summing (partially)in-phase components); improvements in Rayleigh and Rician fading, dynamic obstructed environments (movement of CPE and environmental objects around/in the path of the CPE including tree leaves motion), temperature and humidity atmospheric inversions, (water, etc.) wave scattering, Faraday lonospheric Polarization fluctuations. [Making the most of usable S/N (Signal-to-Noise) in Revolutionary non-active (passive) Antenna Science and Technology].

UWB (Ultra Wide Band) performance.

Single (complex) geometric design feed for minimizing phase cancellations, maximizing on in-built spatial diversity (geometric spatial capture of signal) resulting in signal flutter reduction.

*MP-Technology: Spatially diverse, beneficial patterning Transmit & Receive of all x, y, and z axes of H & Z (Hertz-Electric & Z-Magnetic) fields AND of x/y/z axes' (over time relative to) in-built phase-delay-directives producing DFDM™ (Doppler Frequency Division Multiplexing) in the dynamic environment/CPE scenarios.

Manufacturer	WIFI-PLUS
Model	MP-Tech. EXTREME-UWB OMNI
Type	High Performance Multi-Polarized Omni-Directional Antenna
Product Narrative	Multi-Polarized Highly effective patterning Flutter-reduction (Geometric Spatial Capture of Signal) Get better and more consistent connectivity and greater throughput speeds. VHF/UHF/Wi-Fi/Wi-MAX/Scanner/HAM radio/ Unlicensed and Licensed bands/Microwave/Ultra Wide Band
General Freq.	108MHZ-6GHz continuous!
Gain (dBi)	Nominal 5dBi [PLUS 5-10(+) dB effective polarization/spatial diversity added gain in obstructed environments]
Max. Input Power (Watts)	200 below 512MHz 100 above 512MHz
Polarization	MULTI-POLARIZED
Azimuth Beam width	360 degrees
Elevation Beam width	45 degrees (+)
VSWR	1:1-1.8:1
Overall Size	~ 2' diameter X 22" ht. Vehicle model ~ 28" diameter X 46" ht. Base Station model
Termination/Mounting	NMO/LM(5/16"-24 thread) interchangeable – vehicle model N-Female/Mast mount – Base Station model

