

	Vertical Polarization Gain (laboratory dBi)	Total-of-All Polarizations Gain (laboratory dBmp*)	Added Effective NLOS Gain in Obstructed Environments due to the Patterned Multi-Polarization Capture of Preferred Polarized Path Signals
MP-micro-BULLET 2.4 (nearly spherical patterning)	0.5	4.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
MP-BULLET (dual-band 2.4/5.xGHz 'a'/'b'/'g') (nearly spherical patterning)	1.0	5.0	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
MP-OMNI 2.4GHz 'a'/'b'/'g') (signal pattern 20 degrees tilt)	2.0	5.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
High Gain Vehicle/Portable (4.9, 5.xGHz models) (signal pattern 12 degrees tilt) (added spatial diversity)	4.0	7.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
Dual-Stack OMNI (dual-band 2.4/5.xGHz 'a'/'b'/'g') (signal pattern 12 degrees tilt) (added spatial diversity)	4.5	8.0	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
High Gain Tubular OMNI (2.4GHz model in production) (signal pattern centered at the horizon) (added spatial diversity)	6.0	10.0	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
Quad-Stack OMNI (dual-band 2.4/5.xGHz 'a'/'b'/'g') (signal pattern 7 degrees tilt) (additional spatial diversity)	7.0	10.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]

Single-Sector (dual-band 2.4/5.xGHz ‘a’/’b’/’g’) (signal pattern centered at the horizon)	8.0	11.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
4” 2.4GHz Beam (signal pattern centered at the horizon)	8.0	12.0	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
Dual-Stack Sector (dual-band 2.4/5.xGHz ‘a’/’b’/’g’) (signal pattern 12 degrees tilt) (added spatial diversity)	10.5	14.0	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
18” 2.4GHz Beam (signal pattern centered at the horizon)	11.5	15.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
8.5” 5.x Beam (signal pattern centered at the horizon)	11.5	15.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
Quad-Stack Sector (dual-band 2.4/5.xGHz ‘a’/’b’/’g’) (signal pattern 7 degrees tilt) (additional spatial diversity)	13.0	16.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
TETRAD-M 2.4 (signal pattern centered at the horizon) (additional spatial diversity)	16.5	20.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]
TETRAD-M 5.x (signal pattern centered at the horizon) (additional spatial diversity)	16.5	20.5	[PLUS 5-10(+) dB Effective Obstruction-Penetrating & Throughput Stabilizing Polarization Diversity Gain]

