



The SkyWay-EB 95GHz ULL PTP Link works in a similar way to the 70/80GHz ULL PTP links, except that the channel plan per the FCC regulations. Normally, 1Gbps ULL link with 10ns latency is not feasible because of limited bandwidth

A custom channel plan can be implemented if special waivers can be obtained to use larger 5GHz BW, similar to the 70 and 80GHz.

The radios can be managed via built-in management module without adding any latency. Please refer to a separate document for details on the management interface.

SYSTEM SPECIFICATIONS

Frequency Range (GHz)	92-94 GHz (Low) and 95-97 GHz (High), Custom config possible
Channel sizes (MHz)	2 x 2 GHz
LO Frequency	93 GHz and 96 GHz
Modulation	ASK
RF / Baseband VSWR	2:1 typ.
Tx Radio Output	+17 dBm typ.
Noise Figure	10dB typ.
Rx Sensitivity	-48 dBm
Data Rate	1Gbps Full Duplex
RF Port	WR-10
Signal Interface	MMF/SMF LC fiber SFP
Power Interface	POE 802.3at or passive, or DC connector (48V DC)
Operating Temperature	802.3at POE or 12V DC
Size	232x202x112mm (Radio Only), 328x328x265mm (1FT ant), 620x620x265mm (2FT)
Weight	6.2kg (13.6 lbs) with 1FT ant, 12.2kg (26.9 lbs) with 2FT ant

MANAGEMENT

System parameters	IP address configuration and monitoring, temperature monitoring
RF parameters	Tx power On/Off, RSS level monitoring, antenna polarization (V/H) monitoring
Alarm	RSS threshold, temperature threshold, Receive lock, SFP signal loss
Loopback Test	Future hardware release