

ODU specifications

This section contains specifications of the outdoor units (ODUs) that are available from Motorola for PTP 800 installations.

Dimensions and weight

The PTP 800 ODU conforms to the physical specifications listed in [Table 4-4](#).

Table 4-4 ODU physical specifications

Category	Specification
Dimensions	Diameter 26.7 cm (10.5 in), Depth 8.9 cm (3.5 in)
Weight	4.6 kg (10.1 lbs)

Environmental

The PTP 800 ODU conforms to the environmental specifications listed in [Table 4-5](#) and [Table 4-2](#).

Table 4-5 ODU environmental specifications

Category	Specification
Temperature	-33°C (-27°F) to 55°C (131°F)
Humidity	100% condensing
Waterproof	IP56
UV Exposure	10 year operational life (UL746C test evidence)

RSSI output

$$V_{bnc} = \frac{RSL + 91.58 + 10 \log_{10} \left(\frac{BW_{odu}}{BW} \right)}{15.77}$$

Where BW is the configured channel bandwidth, and RSL is the received signal level in dBm.

If BW is 7, 14, 28 or 56 MHz, $BW_{odu} = BW$ otherwise $BW_{odu} =$ the next highest bandwidth from the list 7, 14, 28 or 56 MHz.

ODU specifications (Lower 6 GHz)

Motorola can supply the ODUs listed in [Table 4-6](#) for PTP 800 links that will operate in the Lower 6 GHz band (frequency range 5.925 - 6.425 GHz).

Table 4-6 ODU specifications – main frequency Lower 6 GHz

Motorola Part Number	Standard	Sub-band	Sub-band frequency	Transmit and receive spacing
01010411007	FCC, ETSI	B1-Lo	5925 – 6025 MHz	252 MHz
01010411008		B1-Hi	6175 – 6275 MHz	
01010411009		B2-Lo	6000 – 6100 MHz	
01010411010		B2-Hi	6250 – 6350 MHz	
01010411011		B3-Lo	6075 – 6175 MHz	
01010411012		B3-Hi	6325 – 6425 MHz	