



EH-ANT-2ft-DL5 Datasheet

EtherHaul™ 2ft dual-band antenna (E-Band and 5GHz)

EtherHaul™ E-band ODUs support a variety of antennas depending on the intended application, from street level to roof top, from short to long reach. This document provides information for the **2ft 70/80GHz (E-Band) and 5GHz dual-band antenna**. It starts with the compatibility between the antenna and Siklu ODUs, continues with the specifications and closes with illustrations of the antenna. Information on other E-Band antennas is included in “DS_EH-ANT-E-band family”.

COMPATIBILITY

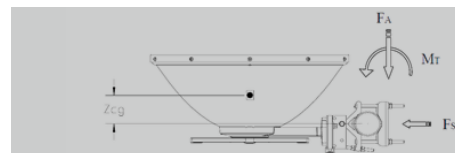
E-Band	5GHz
EH-1200T/TX & F/FX EH-2200F/FX & EH-2500F/FX EH-5500FD & EH-8010FX.	Any connectorized 5GHz radio.
EH-700TX/710T/710TX. Requires EH-XADPT-SFF-7080GHz available separately from Siklu and/or distributors (refer to FIGURE 3).	Mount: accessory to attach the radio to Siklu ODU is included with the antenna; attaches to back of Siklu radio (refer to FIGURE 2).

SPECIFICATIONS - RF

	E-Band	5GHz
Frequency Range	71 – 86 GHz	5.15 – 5.9 GHz
Regulatory Compliance	ETSI: EN 302 217-4-2 V1.5.1 Class 3 FCC: 47CFR101	ETSI EN 302 217 Range 1 Class 2
Gain	49dBi +/- 2dB	26dBi +/- 2dB
3dB Beam	0.5°	6.5°
Polarization	Linear Vertical / Horizontal	Dual polarized (V & H)
Cross-pol. Discrimination	-	30dB
Front/Back Ratio	-	≥ 47dB
Input power	10 W (max)	10 W (max)
Interface	Circular waveguide E-Band	2x 50cm cables, with RP-SMA male connectors

MECHANICAL

	EH-ANT-2ft-DL5
Weight	10.8Kg (23.8 lbs.)
Radome	ABS
Wind Load Forces Front Side Vertical	Survival (220Km/h) Fa = 1055 N (107.6 kgf) Fs = 679 N (69.2 kgf) Weight 27 Kg (Zcg = 99mm with 1" ice)



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ENVIRONMENTAL

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-45°C (-49°F)	-
High Temperature	IEC 68-2-2	72 h	+60°C (140°F)	-
Water Tightness	IEC 529	-	-	-
Solar Radiation	ASTM G53	1000 h	-	-
Ice And Snow	IEC 529	-	-	IP67 *
Wind Speed Survival Operation	-	-	-	220 Km/h 160 Km/h

* IP67 when the antenna is correctly mounted on the radio per Siklu installation guide.

FIGURE 1: Outline drawings

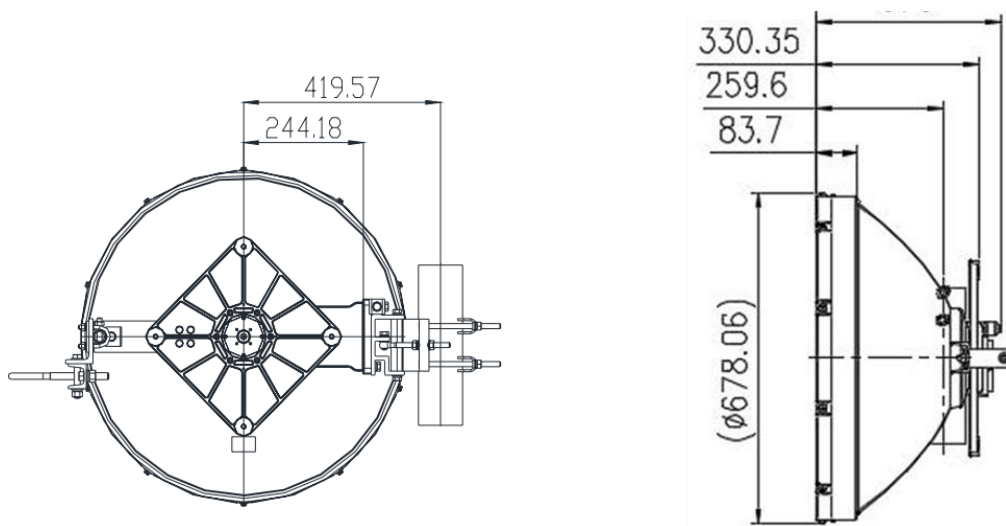


FIGURE 2: with mount for 5GHz radio



Figure 3: EH-XADPT-SFF-7080GHz (for EH-7xx radios)

