

1 INTRODUCTION

EIGHT68 Mush antenna is an exterior, weather-resistant, high gain antenna to be installed on masts or buildings for ground receivers.

Thanks to the antenna gain of 4.5 dBic, this antenna can reliably receive FLARM® signals from long distances. Thanks to the weatherproof design, the antenna can be used all year round.

Features

- Small form factor, minimum wind load
- Long range reception with high framerates
- N-Connector
- Weatherproof design, outdoor usage IP68

Application

- Station antenna for FLARM® reception (OGN)

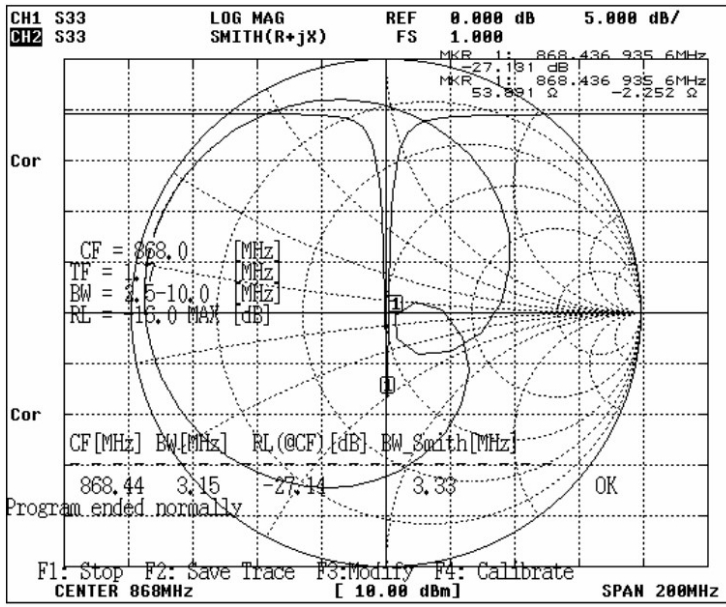


EIGHT68 Mush antenna

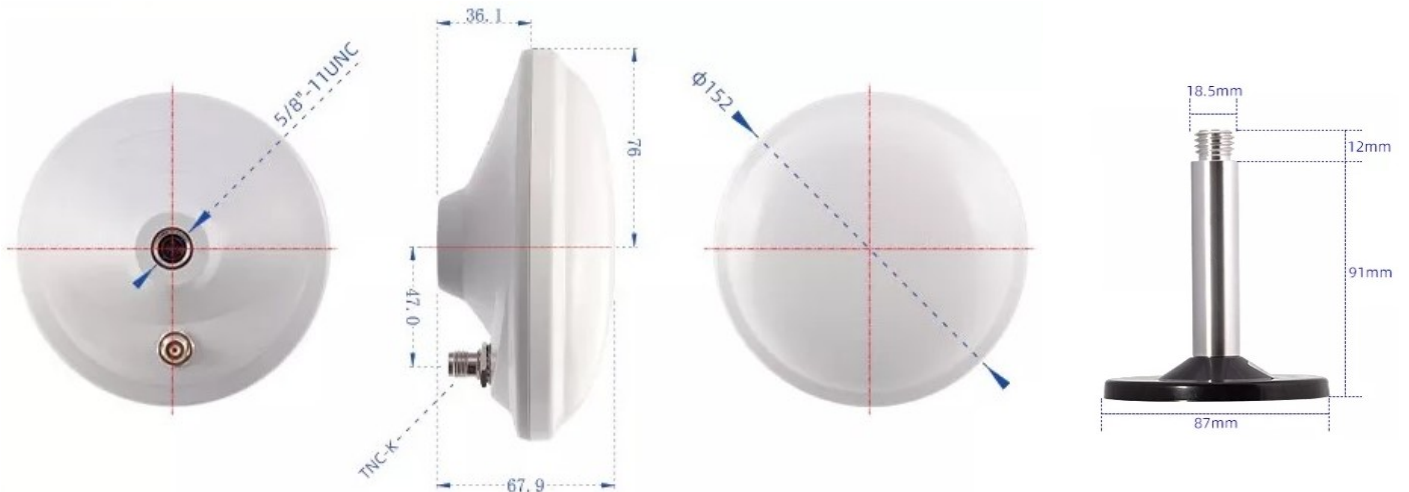
2 PRODUCT SPECIFICATION

2.1 HF Characteristics					
Parameters	Min	Typ	Max	Unit	Note
Nominal Frequency		868.0		MHz	
Center Frequency @ -10dB bandwidth	866.0	868.0	870.0	MHz	
-10dB bandwidth	2.5			MHz	
Gain (at Zenith 90°)		-1.37		dBic	Peak gain
VSWR at Center Frequency			1.5		
Impedance	50			Ω	
Polarization Model	RHCP				Right Hand Circular Polarization

2.2 Impedance Characteristics



2.3 Physical Dimensions



Mush housing: all dimensions in mm

3 ORDERING INFORMATION

Type	Part#	Description
EIGHT68 Mush	4037735106680	EIGHT68 Mush Antenna with housing & bracket

4 DOCUMENT REVISION HISTORY

Version	Revision	Date	Author	comment
V1.0	Primary	Sep 30 2022	M.Heinzel	Primary version

Document status

Primary:	Primary version, document content for design purpose, informal release
Alpha release:	Key customer preview version, document content has been preliminarily tested and verified, indicators may be fine-tuned later
Beta release:	Document content is verified by complete product testing and content indicators
Production release:	The document is complete and final

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6 DISCLAIMER

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