

Ultra Wide-Band 2in1 LTE 4G/3G/2G and GPS/GLONASS/GALILEO combination antenna

Part No.:AC-GPS(GLONAS)/LTE-DH

1. Introduction

This is a high performance combination LTE and GPS/GLONASS/GALILEO screw mount antenna in a compact housing, for external use on vehicles and outdoor assets worldwide.

The antenna can be mounted on metal and plastic structures.

Customized cable length and connectors are available.

Durable UV resistant IP67 ABS housing is resistant to vandalism and direct attack.

A rubber O-ring is provided under the antenna to prevent water entering under the antenna.

If the lower frequency bands are required the antenna functions best when mounted on a metal ground-plane, but can still work well with short cable lengths below 1 meters on plastic structures and is locked from the inside of the structure by a nut. The thread is extra small, allowing for installation in the tightest of environments.

We recommends minimum of 1m cable length for stable antenna performance.

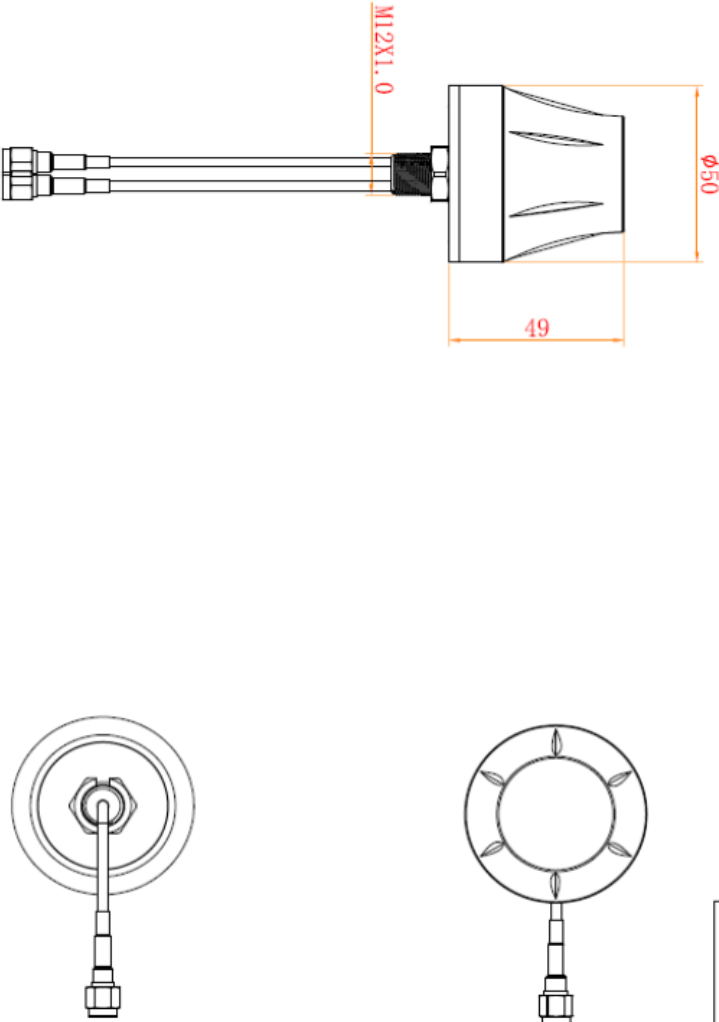



2. Specification

Electrical

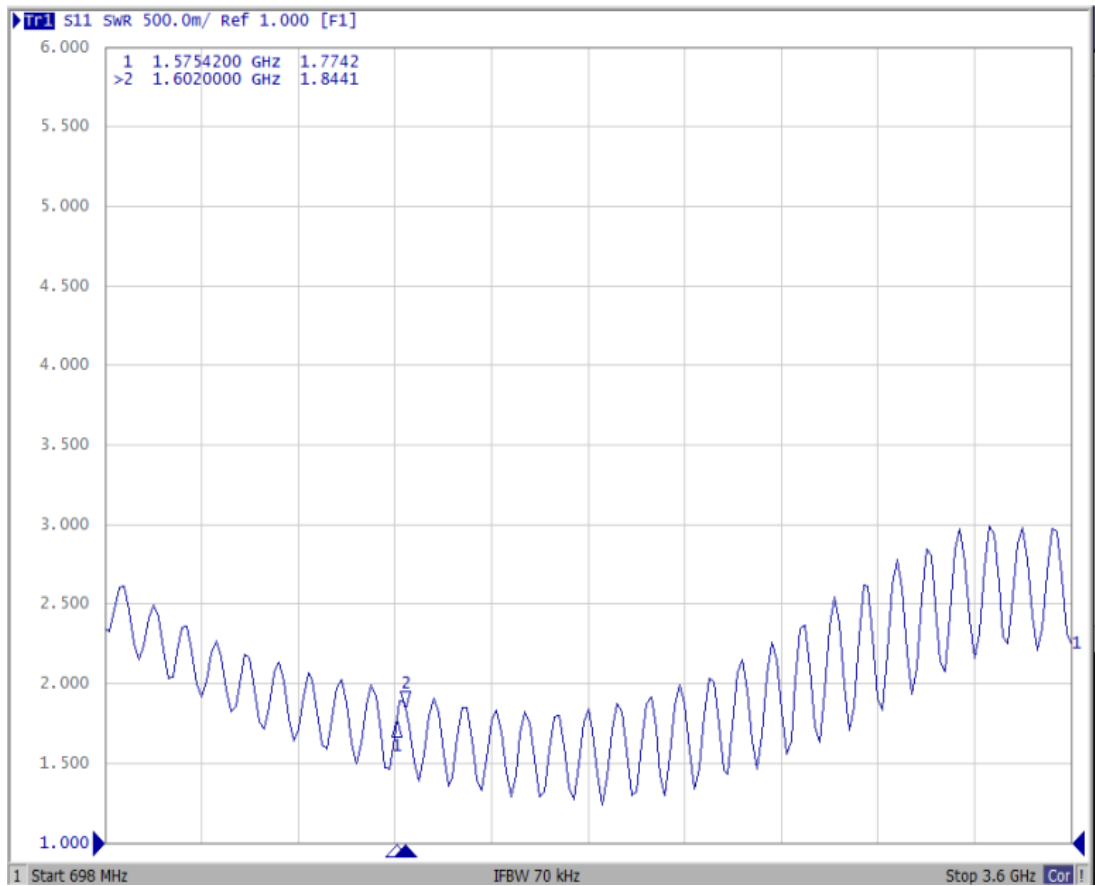
GPS Part:	Dielectric Antenna	
	Frequency Range	1575.42MHz±3 MHz/1602-1610MHz
	Polarization Type	RHCP
	Gain	2dBi
	V.S.W.R	<1.5
	Impedance	50Ω
	LNA	
	LNA Gain	28±2dB Typical
	Noise Figure	1.5dB
	Ex-band Attenuation	12dB@CF+50MHz/16dB@CF-50MHz
	V.S.W.R	<2.0
Voltage	2.7/3.0/3.3/5.0/3.0 to 5.0 etc.	
Current Consumption(mA)	11 Max	
LTE Part:	Frequency range	698-96/1710-2700MHz
	V.S.W.R	≤2.0:1 Max:5.5
	Gain	1.2dBi / 698-960MHz; 1.5dBi / 1710-2170MHz, 2.5dBi / 2500-2700MHz
	Polarization	Linear
	Impedance	50Ω
Mechanical		
	Housing	Black
	Cable	2xRG174
	Length	2x3/5M or can be customization
	Connector	2xSMA Male or can be customization
Environmental		
	Working Temp	-40℃~+85℃
	Humidity	55%-75%RH
	Waterproof	IP67
	Antenna Radome Material	ABS
	Mounting way	Screw Mount
	Antenna Dimension	Φ50x49mm
	Weight	80g
	RoHS Compliant	YES

3.Drawing

Drawing										Product Type Combination Ant		AC-DH-2ports							
																			
Technology: RoHS										 佛山市三水亚创通讯有限公司 ASIAN CREATION COMMUNICATION CO.,LTD									
3																			
2			STANDARD		P/No:	AC-DH-2PORTS	Qty	1PCS	DR.	GT.Z									
1			SPEC		DWG NO.	REV	Wet	200g	VENDER	CHER									
NO.	PARTNAME	DESCRIPTION	MATERIAL	SHEET	1/1	UNIT	MM	投影法	A	CHKD	BEN	DAY	2022-10-13						

4.V.S.W.R

GPS



LTE

