

Antenna Specifications

At Wavelink, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:

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Wavelink Certifications:



Wavelink Partners:

Skyworth **NARI**

flex

 **HUAWEI**

 **VVDN**
TECHNOLOGIES

Tenda **Infinova**

dji

Hikvision

JABIL

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1 Product Description

This wavelink antenna covers GPS L1.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	1575.42 MHz
Input Impedance	50 Ω
VSWR	≤ 3

Gain ≤ 1.5 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 38mm x16mm

Casing FPC

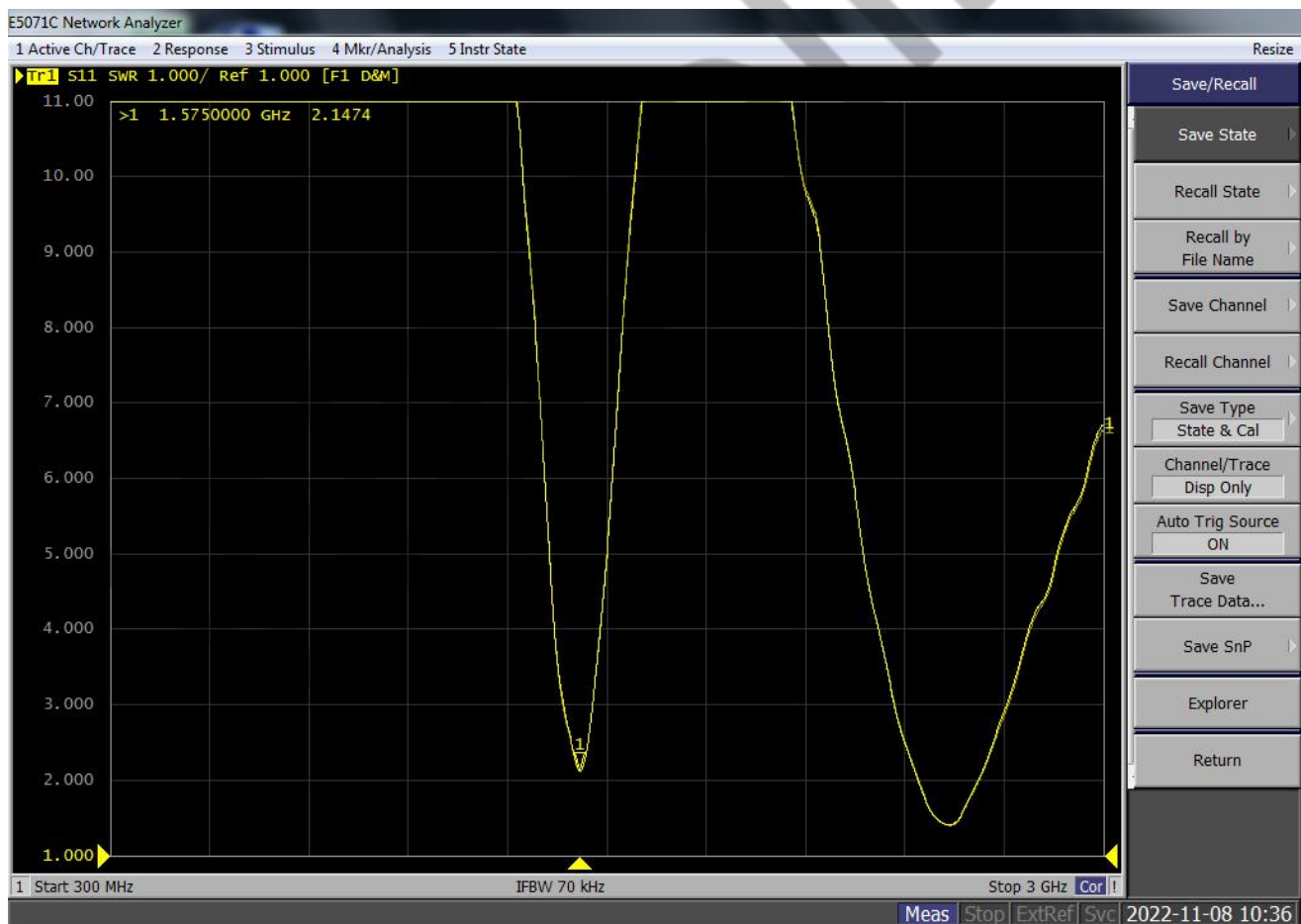
Connector Type IPG1

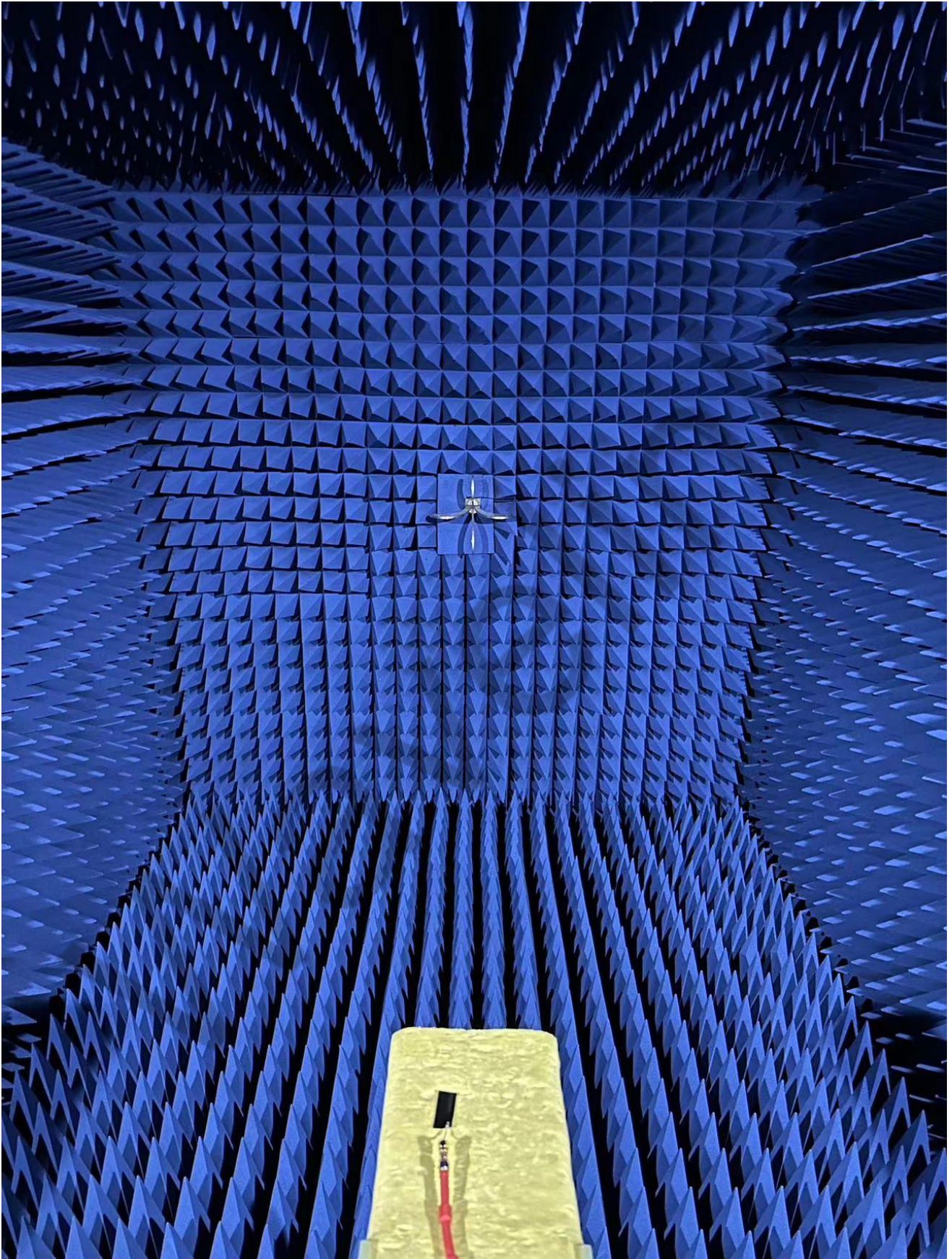
Working Temperature -40°C to $+85^{\circ}\text{C}$

Radome Color Black

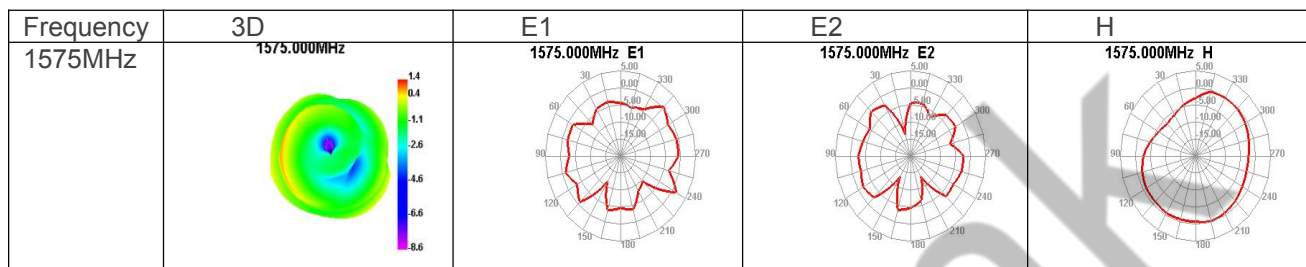
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





1560	46.27	-3.35	0.87	-1.28	0.87	-18.15	3.35	42.29	42.12
1565	48.8	-3.12	1.08	-1.07	1.08	-17.85	3.12	42.3	42.15
1570	51.23	-2.9	1.26	-0.89	1.26	-17.42	2.9	42.33	42.2
1575	52.71	-2.78	1.37	-0.78	1.37	-16.98	2.78	42.37	42.24
1580	54.09	-2.67	1.5	-0.65	1.5	-16.41	2.67	42.45	42.32



5 Product Size

Technical drawing of a WaveLink P/N/O: WL-GPSTF38L6-30 antenna assembly.

Dimensions:

- Overall length: 30 ± 2
- Mounting bracket width: 38 ± 1
- Mounting bracket height: 16 ± 1

Callouts:

- ①: Mounting bracket
- ②: Antenna element
- ③: Connector

Specification:

- Frequency Range: 1575.42MHz
- VSWR: 3.0 max

Customer Information:

CUSTOMER: 昆山市海宣电子有限公司
Kunshan Wavelink Electronics Co., Ltd.

Part Information:

NO	CONN	Material code	DESCRIPTION	QTY
3	CONN	C03050001	Connector RF 1.13	1
2	Cable	C01000001	RF 1.13;Black	1
1	FPC	C08000016	38*16mm ;Black	1

Approval:

XX	±3.0	XX	±2.0	XX	±1.0	XX	±0.5	XX	±0.1

Customer's Signature:

Revision History:

REV	DATE	DESCRIPTION
X1	2022.05.11	