KNCTEK INTERNAL GPS ANTENNA

KANT-3201 Specification

Version 1.1
2016/01/15

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KANT-3102 SPECIFICATION

Revision History

1. 2012-04-10 : Initiated Version 1.0
2. 2016-01-15 : Updated Version 1.1 for Specification renewal.

Introduction

KNCTEK's KANT-3102 Antenna is designed for internal antenna mode to have excellent bandwidth signal and perform to receive GPS satellite signals.
We are proudly introducing this GPS antenna to satisfy our customer with best performance.

Specifications

A. Antenna Element Electrical Specifications

Center Frequency	1575.42MHz
Polarization	Linear Polarization
Impedance	50 Ω
Gain@Zenith	-3.2 dBi typical@PCB_10x25.4mm

B. LNA Electrical Specifications

Frequency	1575.42MHz ± 1.023MHz
VSWR	2.0 : 1 (Max)
LNA Gain	27dB ± 2dB
Impedance	50 Ohm
Noise Figure	2.0dB (Max)
Voltage	DC +3V(± 0.3V)
Current	15mA (Max)

C. Mechanical Specifications

Height	6.5mm
Width	10.0x25.4mm
Cable	Miniature Cable 25mm
Connector	I-PEX

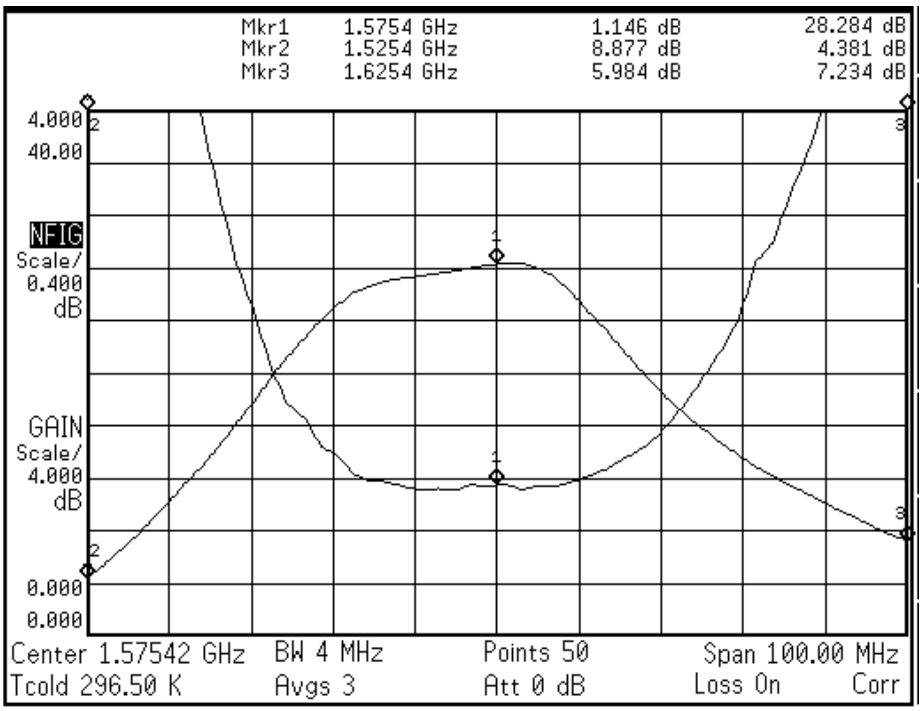
Product Picture

Environmental Specifications

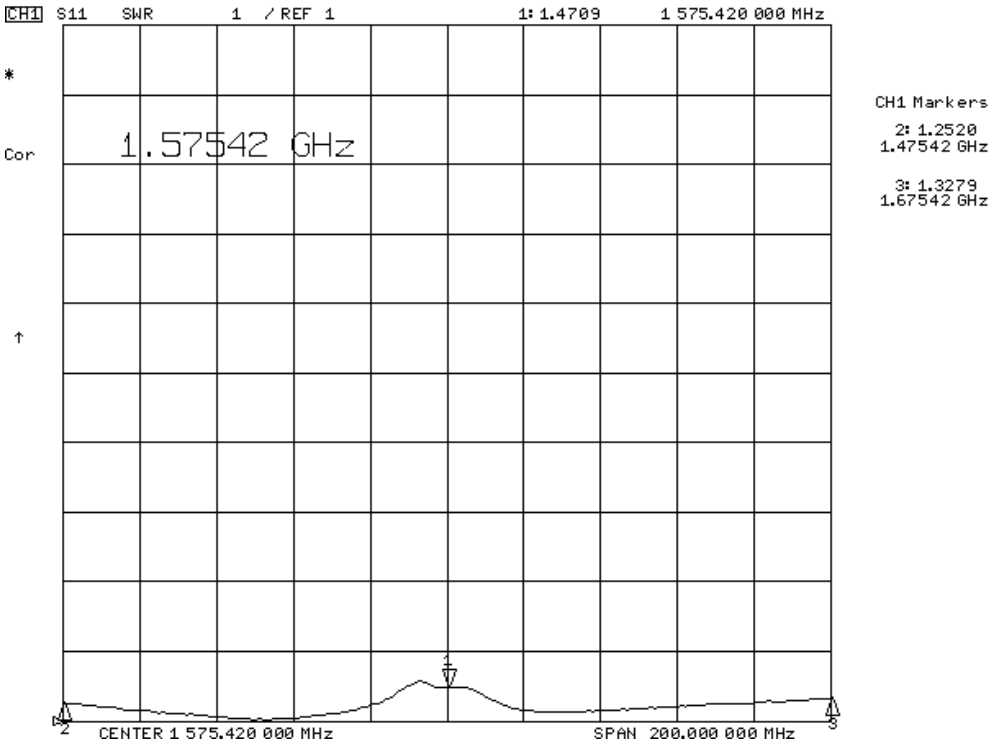
OPERATING TEMP	-30 ~ +80
STORAGE TEMP	-40 ~ +90

Typical Characteristics

A. LNA GAIN & N.F



B. LNA VSWR



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