

ANT/GPS-FAKRA

ANTENA GPS - FAKRA 90°

GPS antenna can be mounted both internal (eg, pit) and external in car body by a very strong magnet on the enclosure. Placing the antenna outside the car makes a better receiving signal transmitted from the satellite.

Antena with FAKRA 90° connector can be used with:

- VW MFD2, RNS2 in Golf 5, Golf Plus, Passat, Jetta, Touran, Touareg, T5, T5 MULTIVAN
- AUDI RNS-E 16:9 w A3, A4, A6
- MERCEDES Comand APS W211 (Klasa E) i APS 50 CLK W209
- Blaupunkt Travel Pilot EX

Below product specification guarantees the quality of our product as a single unit. Electrostatic sensitive device. Observe precautions for handling.

Electrical characteristics

Antenna

1 Frequency Range.....	1575,42MHz±1,02 MHz
2 V.S.W.R	1,5:1
3 Band Width	> 10 MHz
4 Impedence	50 ohm
5 Gain	5dBic based on 7x7cm ground plane
6 Polarization	RHCP

LNA

1 Frequency Range	1575,42MHz±1,02 MHz
2 DC Voltage	3 – 5V
3 Gain	28±3dB
4 Out-of-band rejection	≥25dB (antenna frequency +100MHz)
(absolute value)	≥40dB (antenna frequency -100MHz)
5 Output VSWR	1,5
6 Noise figure	1,2
7 DC current	10,5 mA

Overall (Complete module including RF connector)

1 Frequency Range	1575,42MHz±1,02 MHz
2 Output VSWR	1,5
3 Gain	26±3dBic
4 Impedence	50 ohm

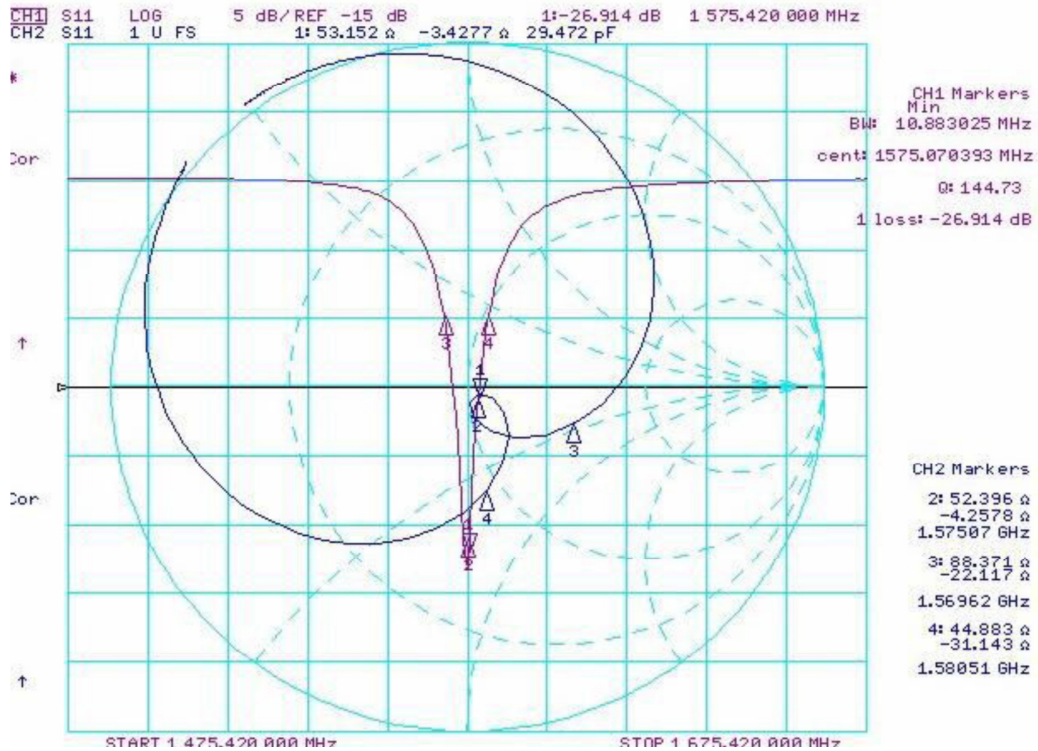
Material

No.	Part Name	Specification
1	Antenna	Dielectric Ceramics
2	PCB	FR4
3	Shielding	Tinplate RG174
4	RF Cable	RG174 Attenuation: 1,3dB/m Length - 500±5cm
5	RF Connector	FAKRA 90°
6	Dimensions	49,5 x 40,2 x 15,5mm ±0,5mm

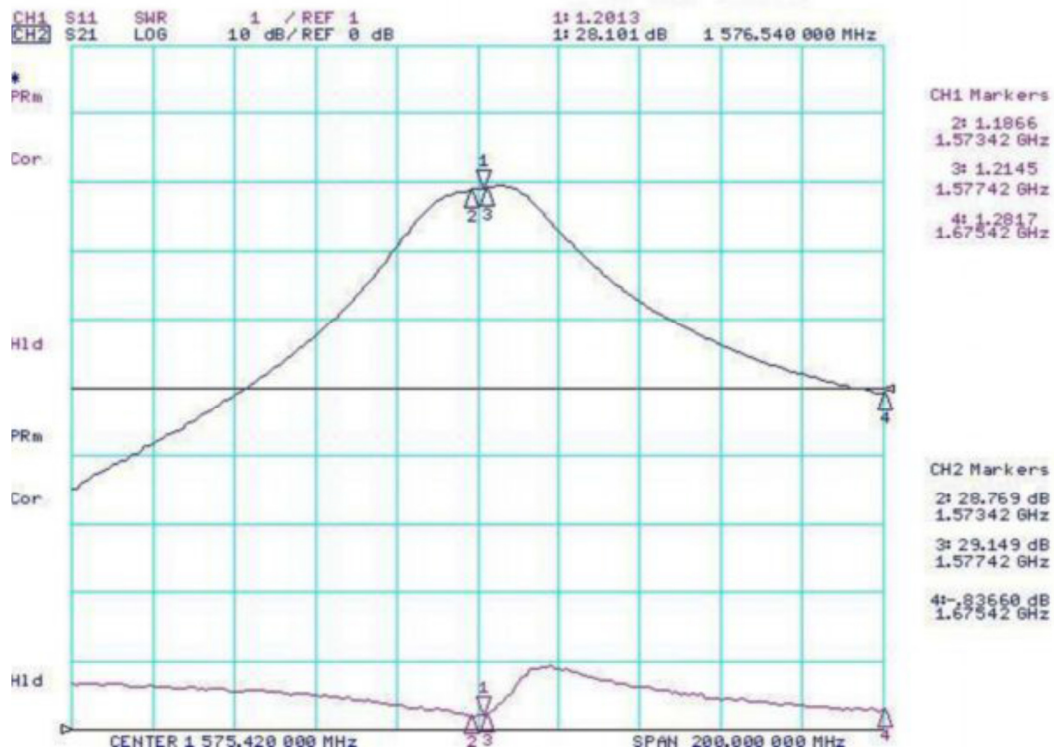
Environment condition

- 1 Working temp. -25°C ~ +65°C
- 2 Storage temp. -45°C ~ +86°C
- 3 Vibration Sine sweep 1g(0-p) 10~55~10Hz each axis
- 4 International Protection IP67

Patch test curve (test conditions: 27x27mm ground):



LNA test curve (test conditions: DC 3,0V):



Dimensions:

