



GNSS+WIFI Antenna

Antenna GNSS+WIFI Antenna, 2x SMA(m),

AO-AKOM-40WP-SS-RG316/174

SECTRON company offers a wide portfolio of LTE antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.



BENEFITS

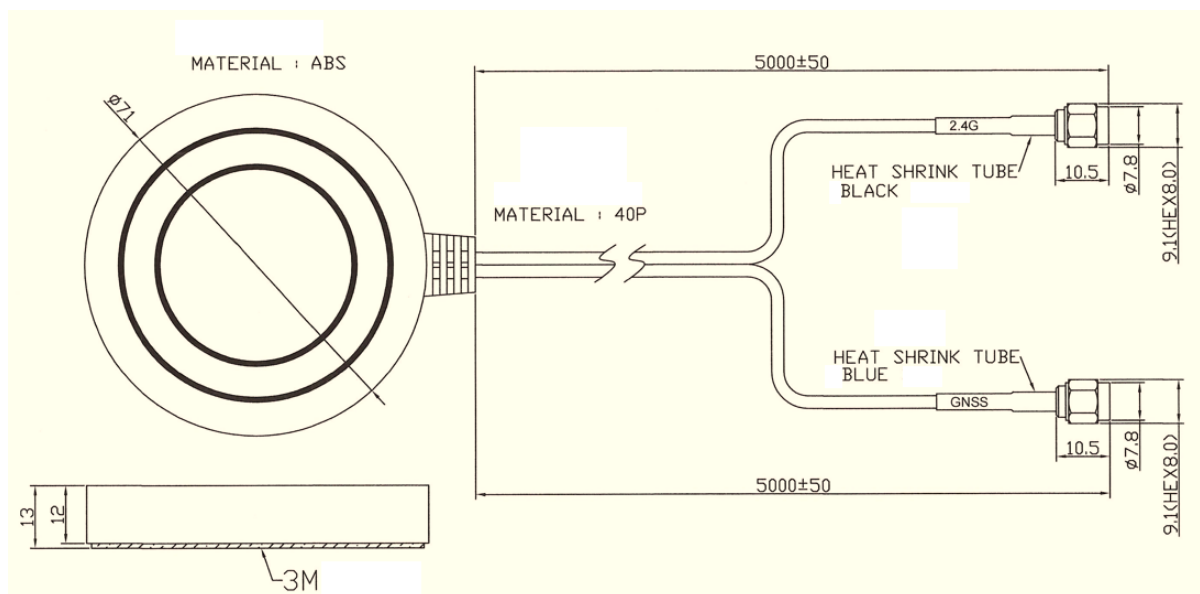
- Easy installation
- Omnidirectional - Suitable for moving devices

FEATURES

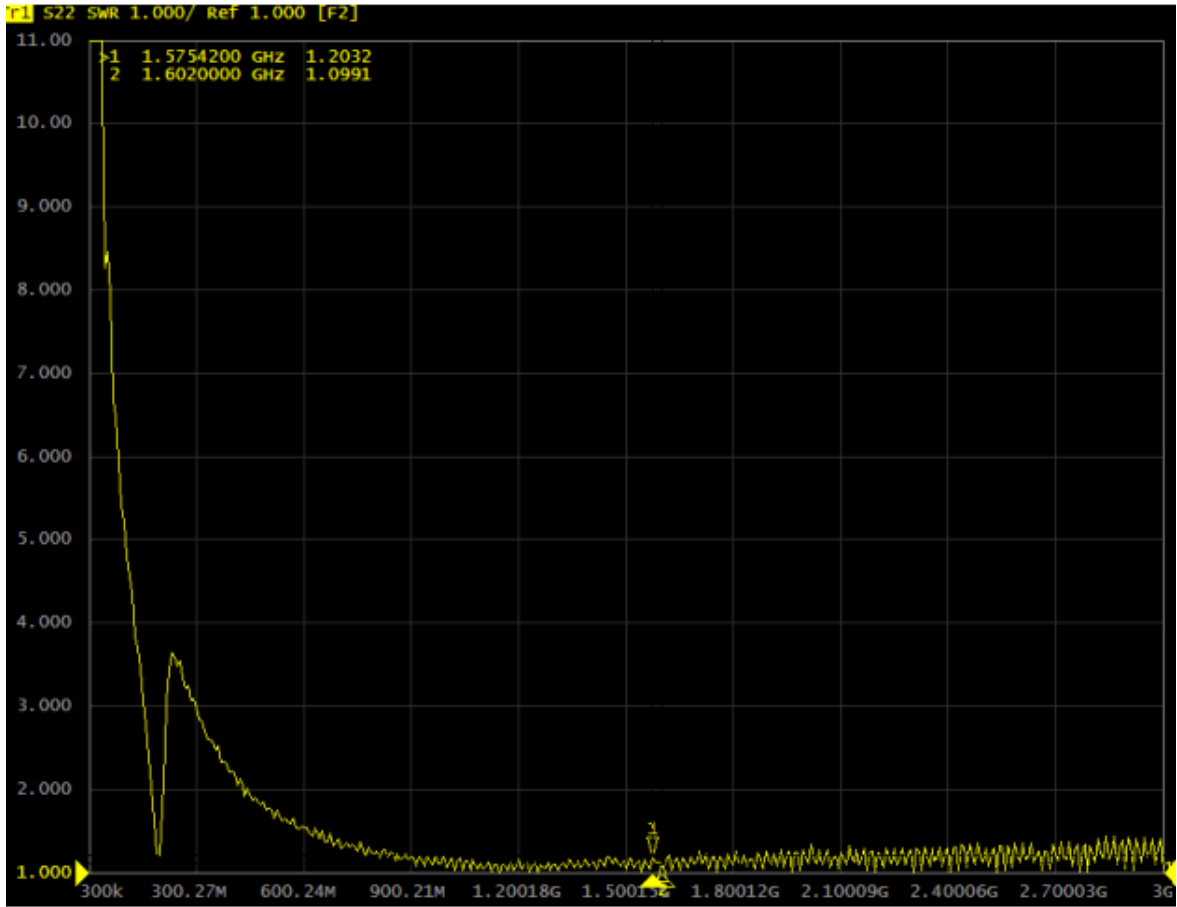
AO-AKOM-40WP-SS-RG316/174

Technology	GNSS , WIFI
Frequency bands	1575.42 / 1602 MHz
Bandwidth	10 MHz
Gain	4 dBi
VSWR	<2 : 1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Power voltage	-
Dimensions	Ø71 x 13 mm
Weight	-
Operating temperature	-40 to +85 °C
Execution	-
Method of attachment	Mounting
Cable type	2 x RG316/U
The cable length	2 x 3 m
Connector type	2x SMA(m)
Certification	-
IP code	-

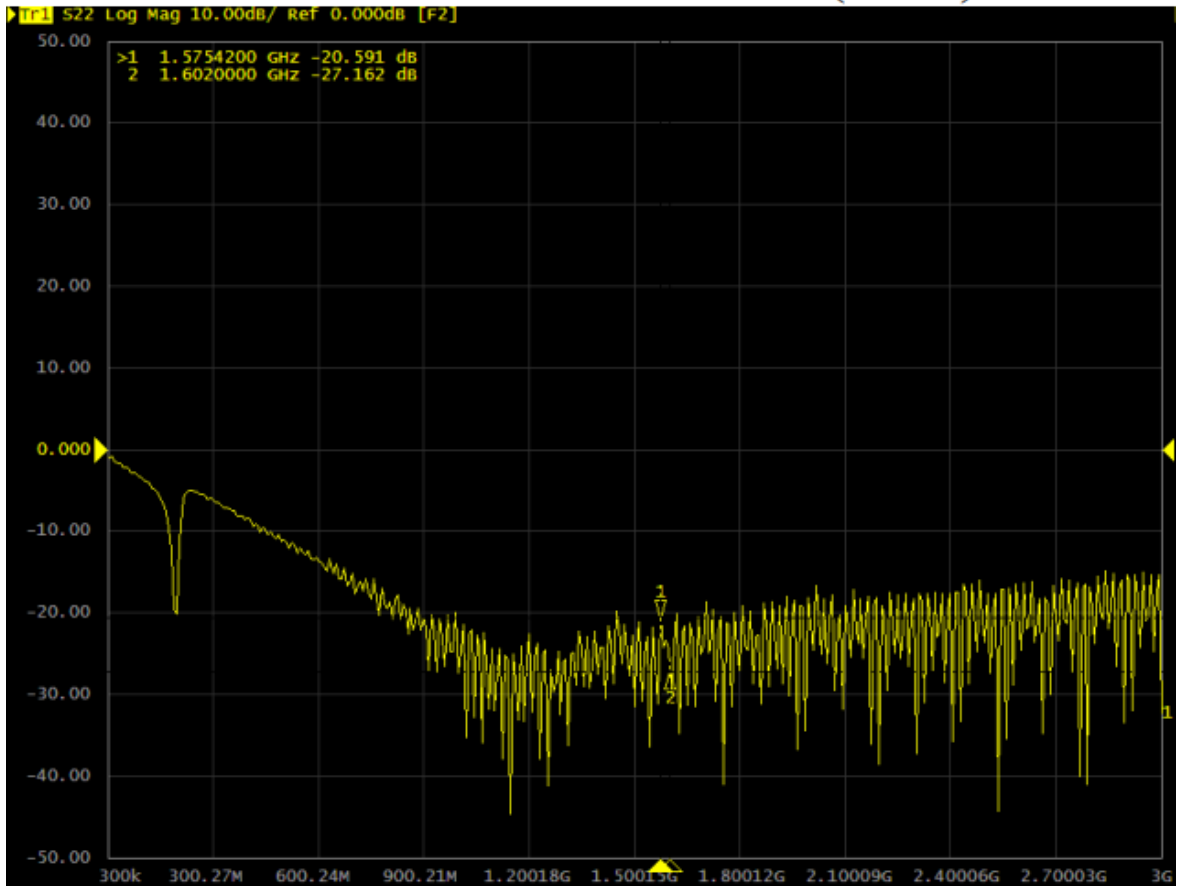
DRAWING



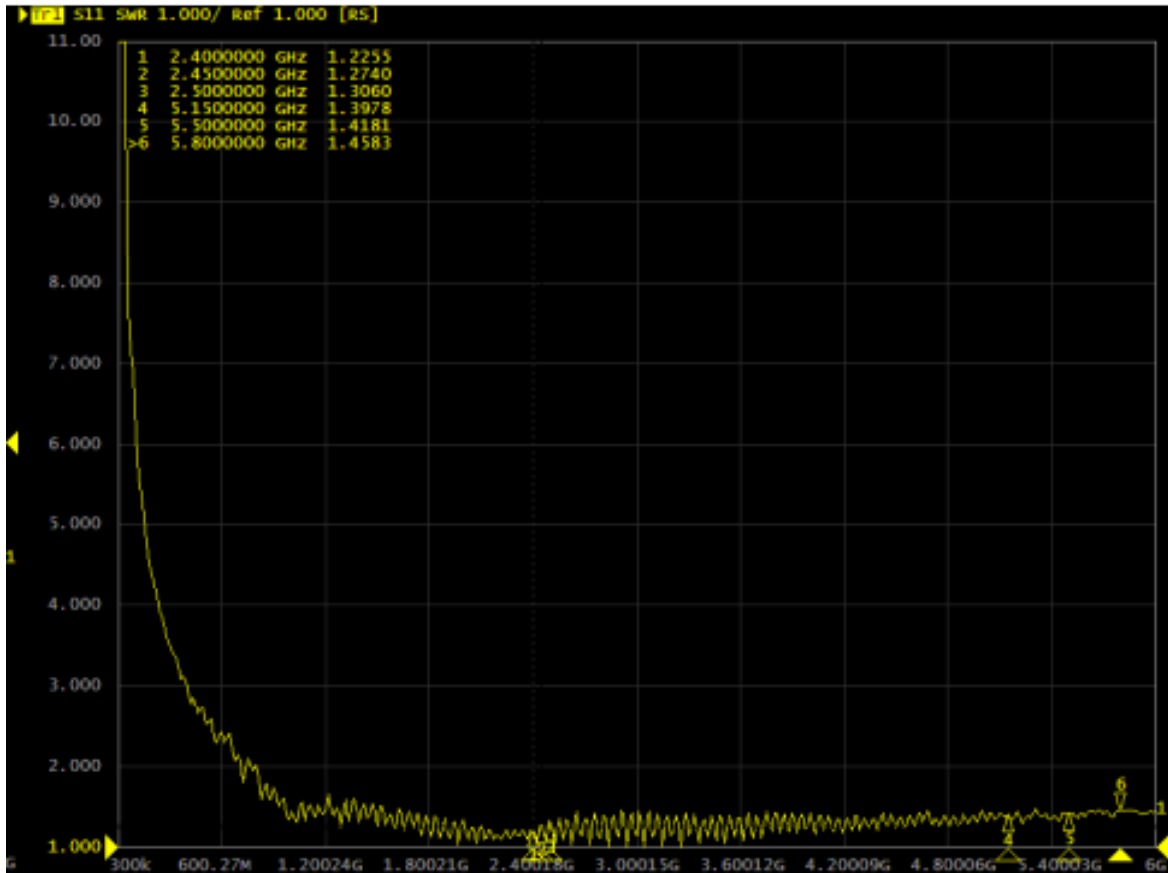
VSWR – Voltage standing wave ratio [-](GPS)



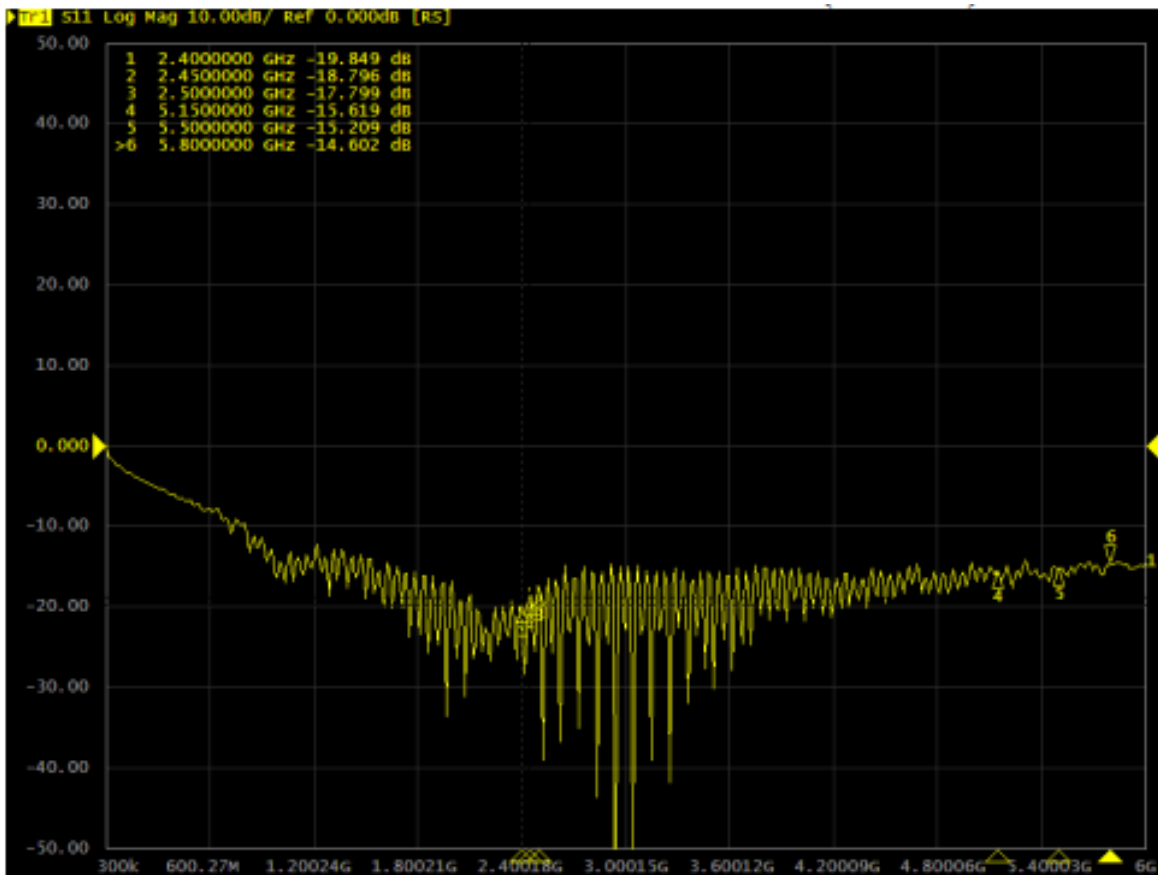
S11 – Test Data Return Loss [dB] (GPS)



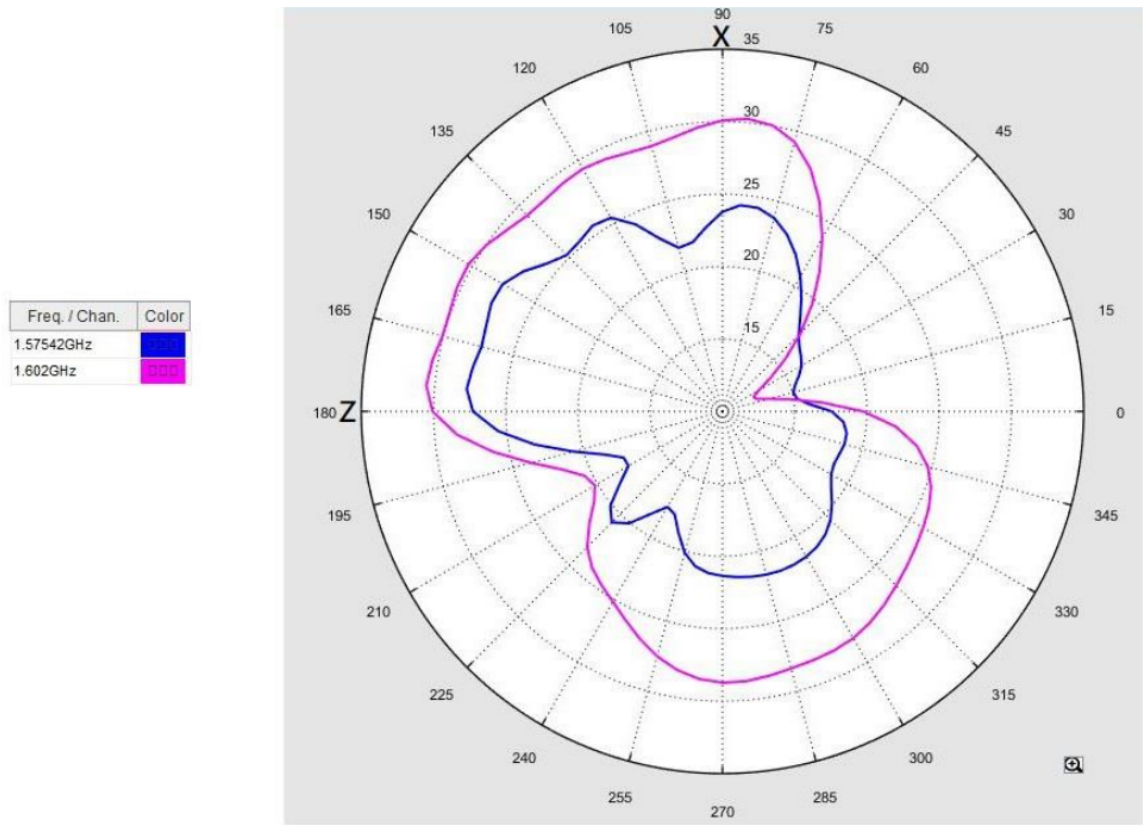
VSWR – Voltage standing wave ratio [-](WIFI)



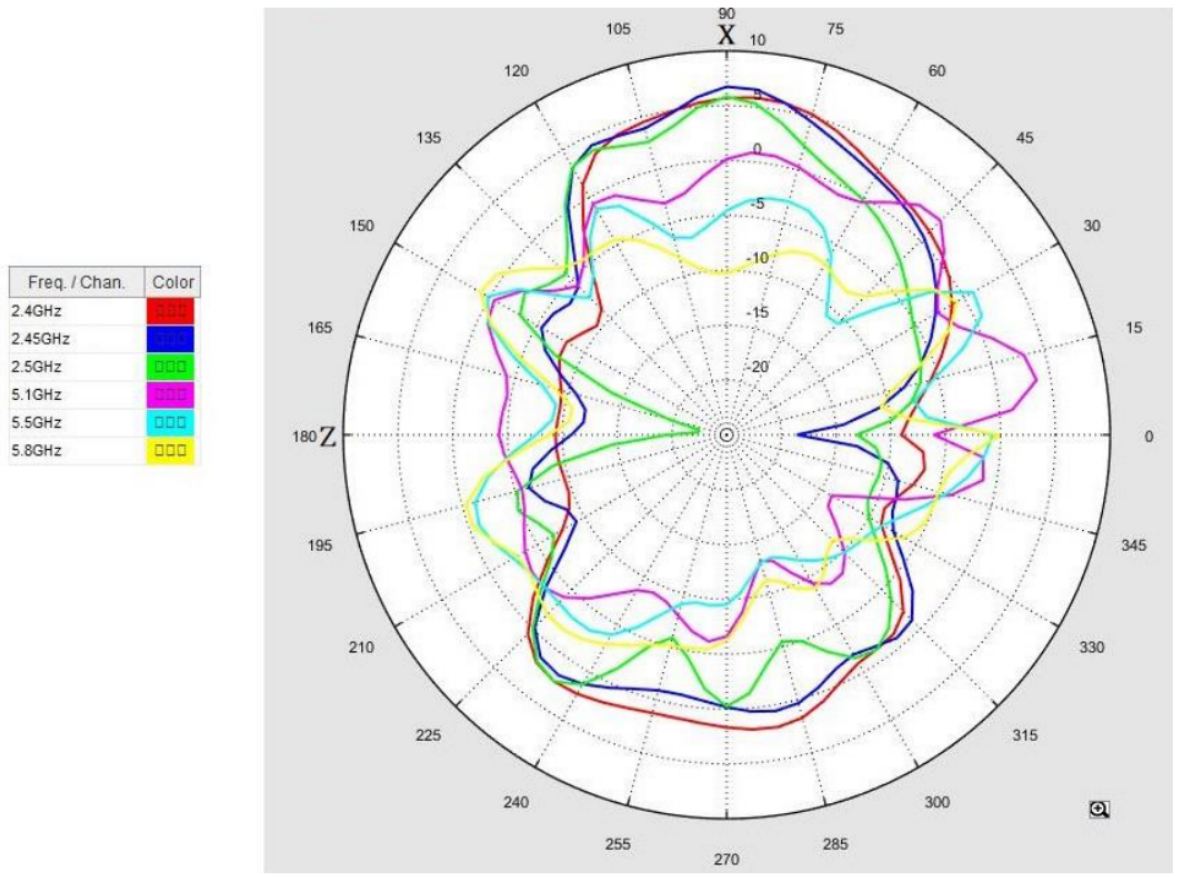
S11 – Test Data Return Loss [dB] (WIFI)



RADIATION PATTERN - XZ plane (GPS)



RADIATION PATTERN - XZ plane (WIFI)



Frequency [MHz]	VSWR [-]	Return Loss [dB]	Gain [dBi]
1574.42	1.20	-20.50	28.02
1602	1.09	-27.16	31.02

Tabulka 1: GPS

Frequency [MHz]	Return Loss [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
2400	-19.84	1.22	69.02	5.72
2450	-18.79	1.27	65.16	6.74
2500	-17.79	1.30	55.46	5.83
5150	-15.61	1.39	45.50	3.83
5500	-15.20	1.41	35.16	1.58
5800	-14.60	1.45	30.97	1.88

Tabulka 2: WIFI

Different connector variants or cable lengths are available on request.

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