GPS+3G Antenna

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Adhesive R40, 2x RG174/5m, FME(f), SMA(m),

AO-AKOM-40FS

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

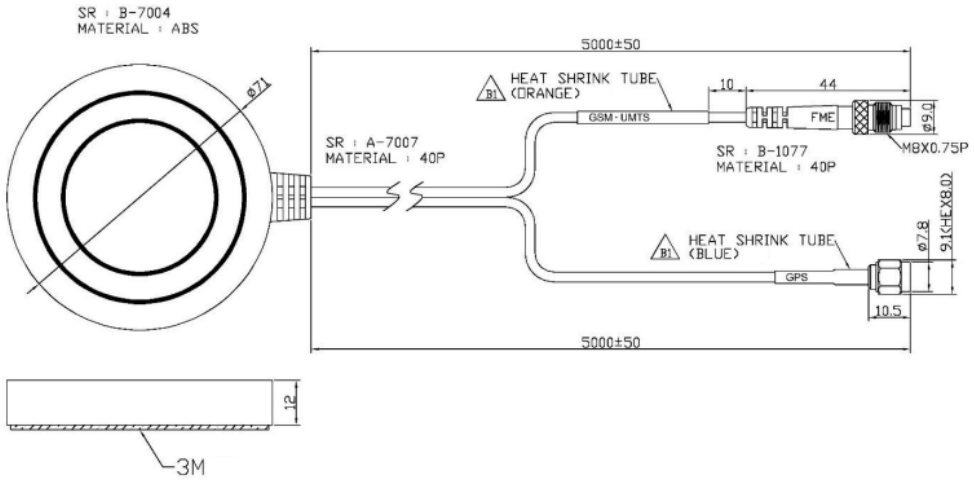
- Easy installation
- Omnidirectional - Suitable for moving devices

FEATURES

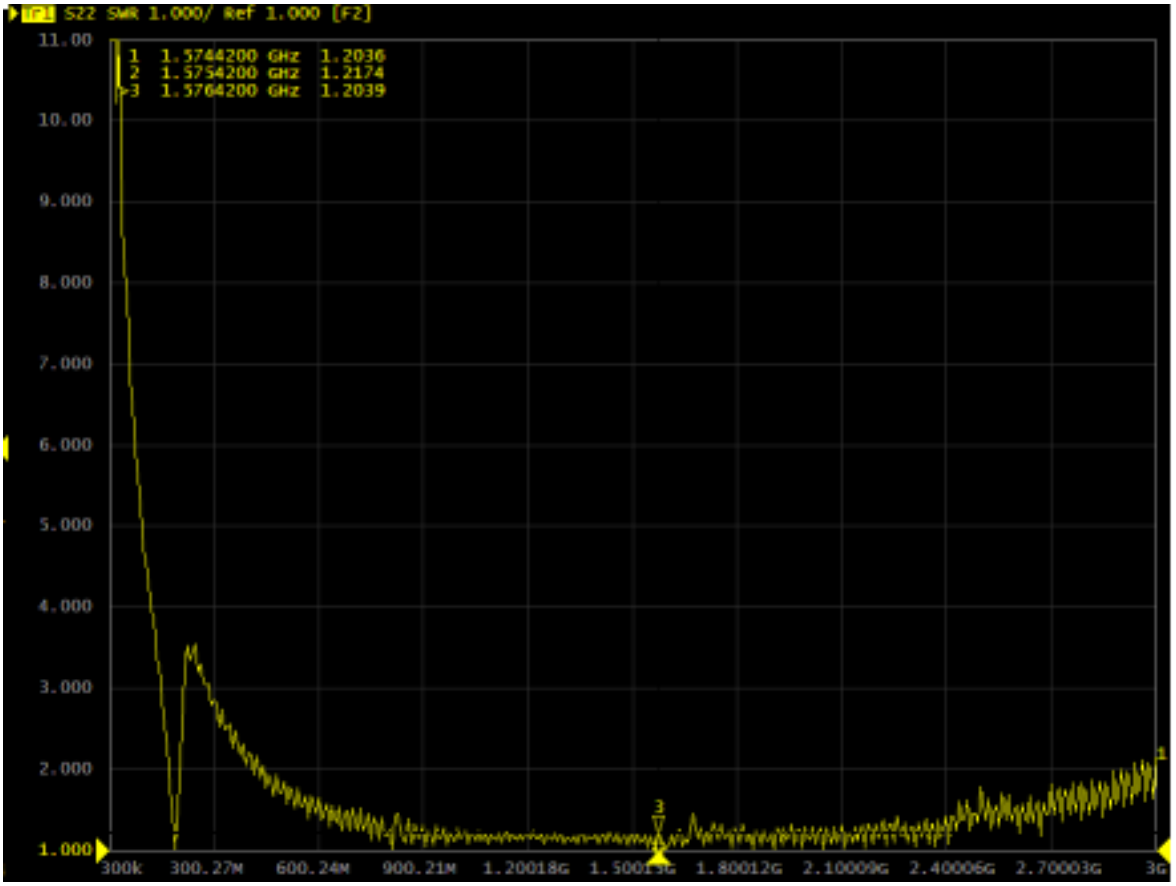
AO-AKOM-40FS

Technology	GSM/GPS/GLONASS
Frequency bands	900/1800/2100/1575.42/1602 MHz
Bandwidth	-
Gain	0/27 dBi
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Polarization	Linear/R.H.C.P.
Maximum input power	10 W
Power voltage	2.7 – 5.5 V DC
Dimensions	71 x 12 mm
Weight	136.65 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Adhesive
Cable type	2 x RG174/U
The cable length	2 x 5 m
Connector type	1x SMA(m), 1 x FME(f)
Certification	-
IP code	-

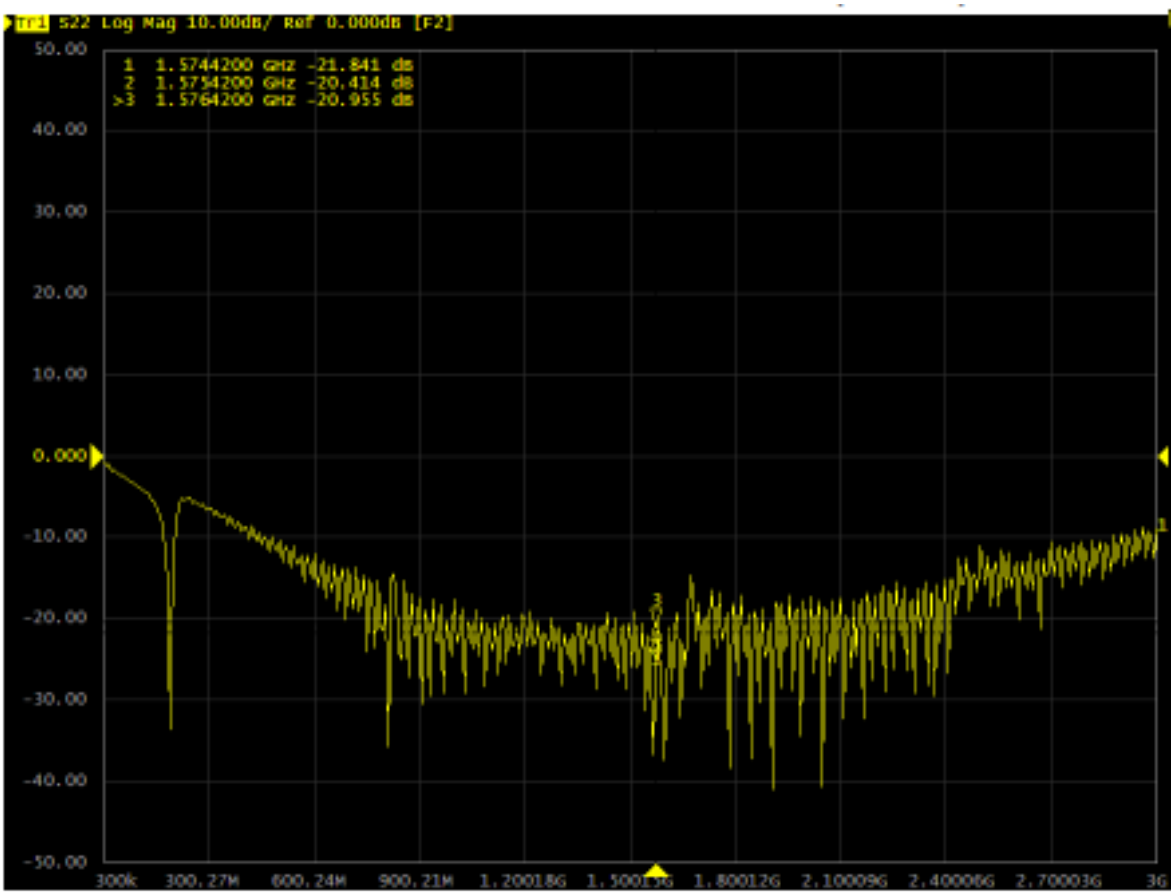
DRAWING



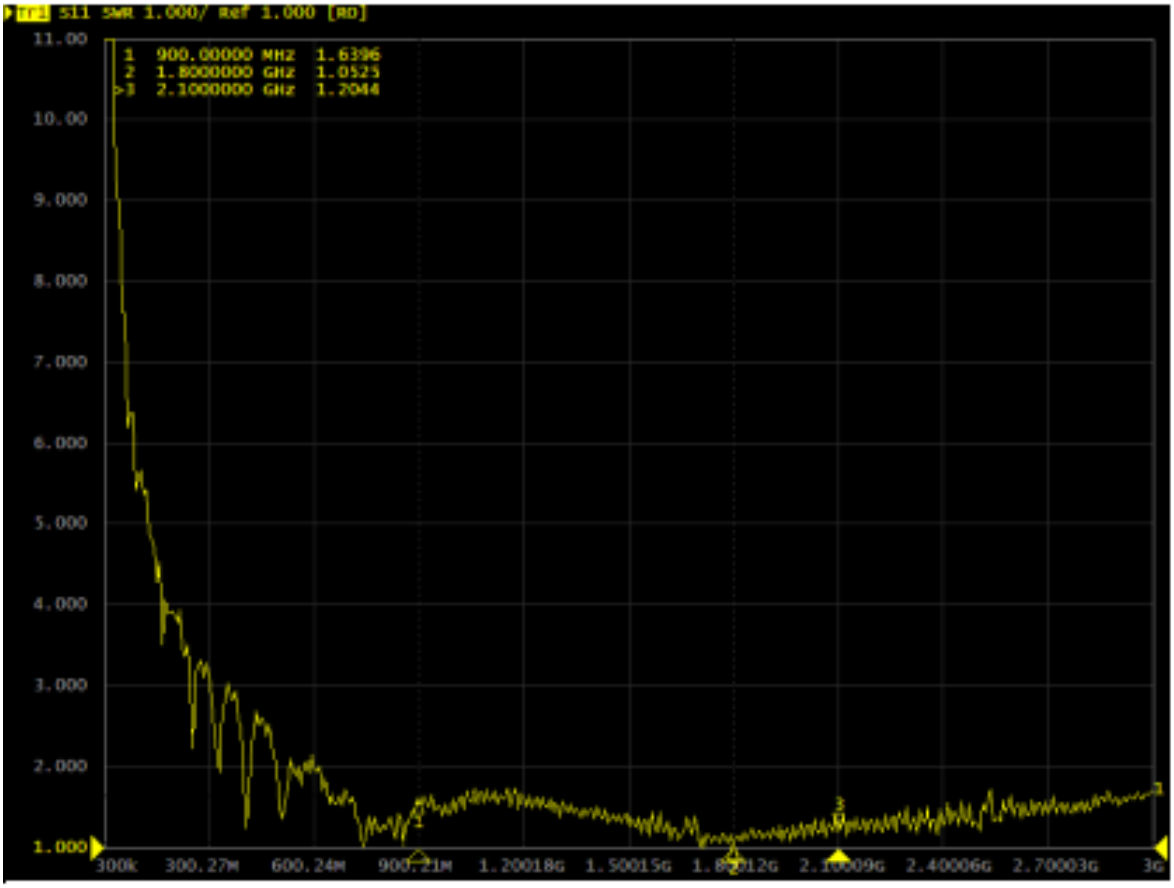
VSWR – Voltage standing wave ratio (GPS)



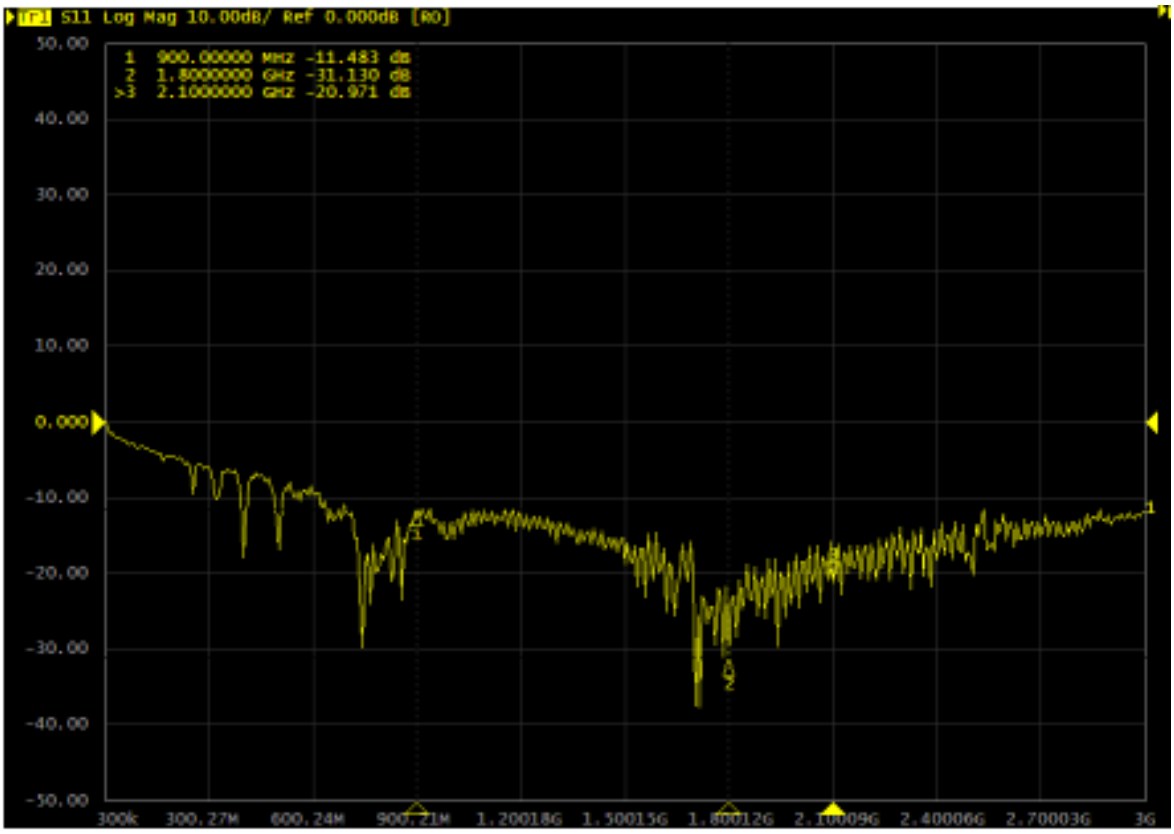
S11 – Test Data Return Loss [dB] (GPS)



VSWR – Voltage standing wave ratio (3G)

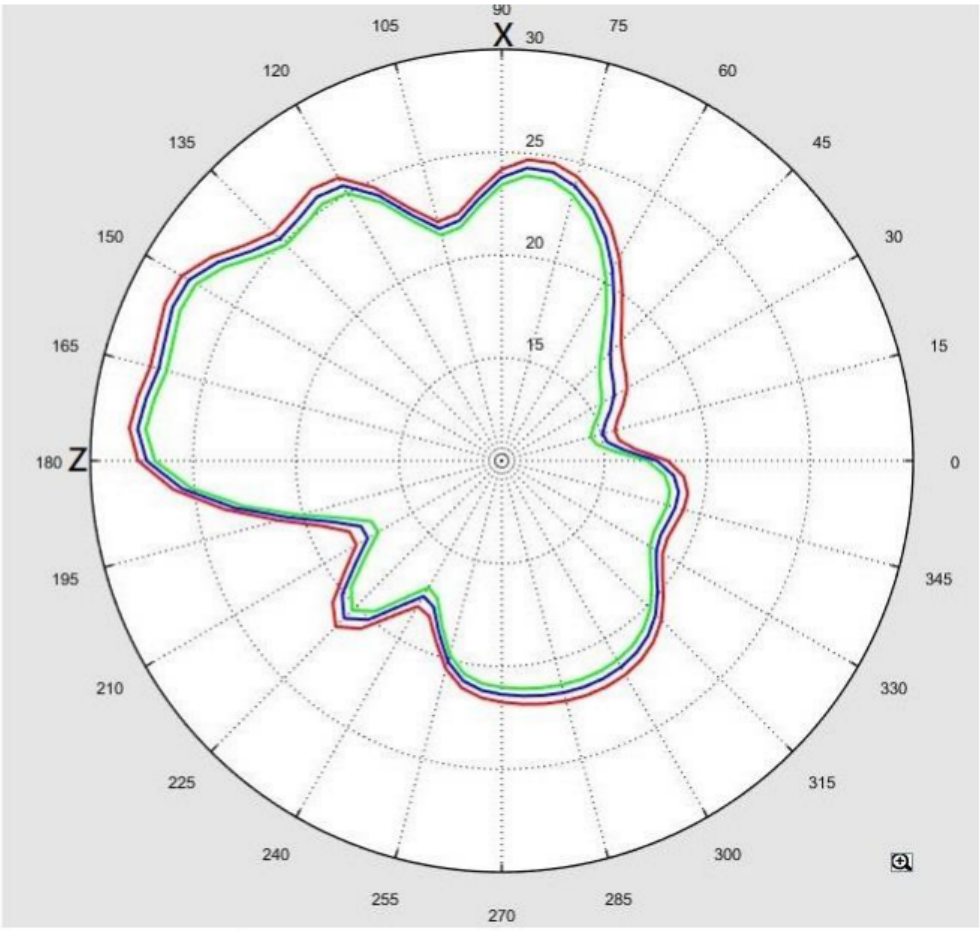


S11 – Test Data Return Loss [dB] (3G)



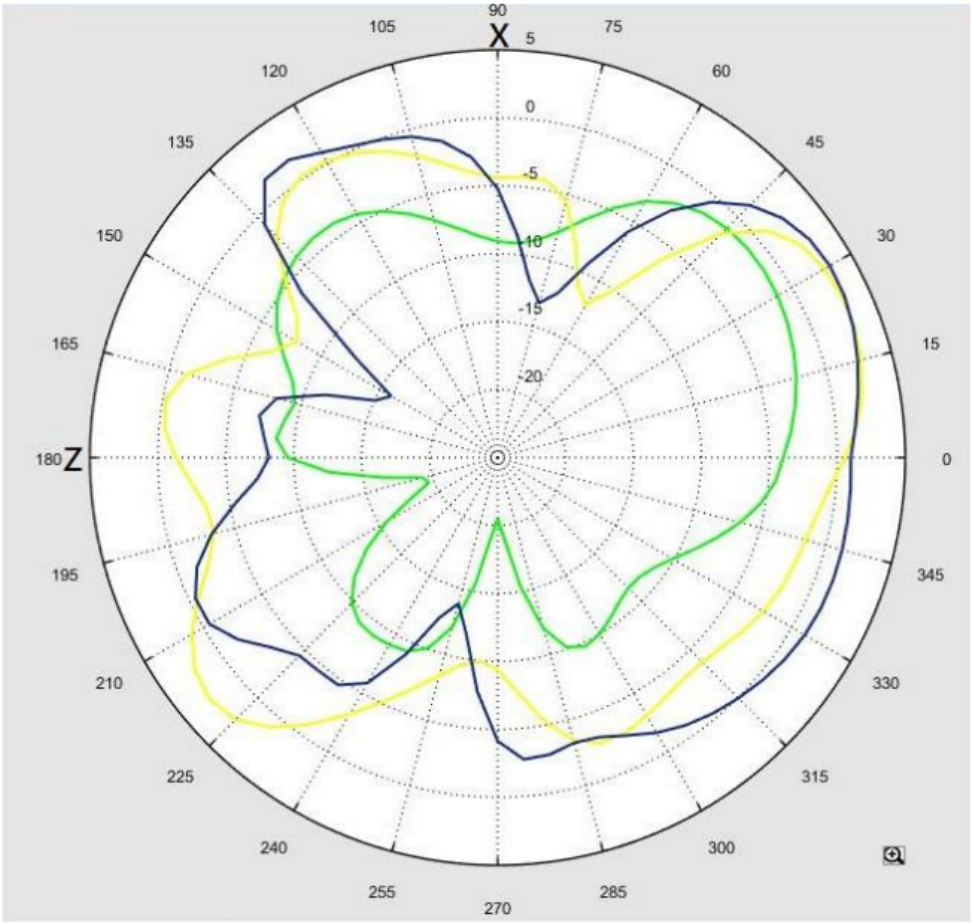
RADIATION PATTERN - XZ plane (GPS)

Freq. / Chan.	Color
1.57442GHz	
1.57542GHz	
1.57642GHz	



RADIATION PATTERN - XZ plane (3G)

Freq. / Chan.	Color
900MHz	
1.8GHz	
2.1GHz	



SUMMARY

Frequency [MHz]	VSWR [-]	Return Loss [dB]	Gain [dBi]
1574.42	1.20	-20.50	28.02
1575.42	1.21	-20.41	28.41
1576.42	1.20	-20.95	27.62

Tabulka 1: GPS

Frequency [MHz]	Return Loss [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
900	-11.48	1.63	26.18	-1.15
1800	-31.13	1.05	71.45	3.2
2100	-20.97	1.20	60.53	3.24

Tabulka 2: 3G

VARIANTS

Different connector variants or cable lengths are available on request.

CONTACTS

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