



GPS/GSM ANTENNA

Antenna GSM/GPS Screw Mount
R31, SHARK, FME(f)/SMA(m), 2x
RG174/5m

AO-AKOM-31FS

SECTRON company offers a wide portfolio of GPS/GSM 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
- Low VSWR
- Omnidirectional

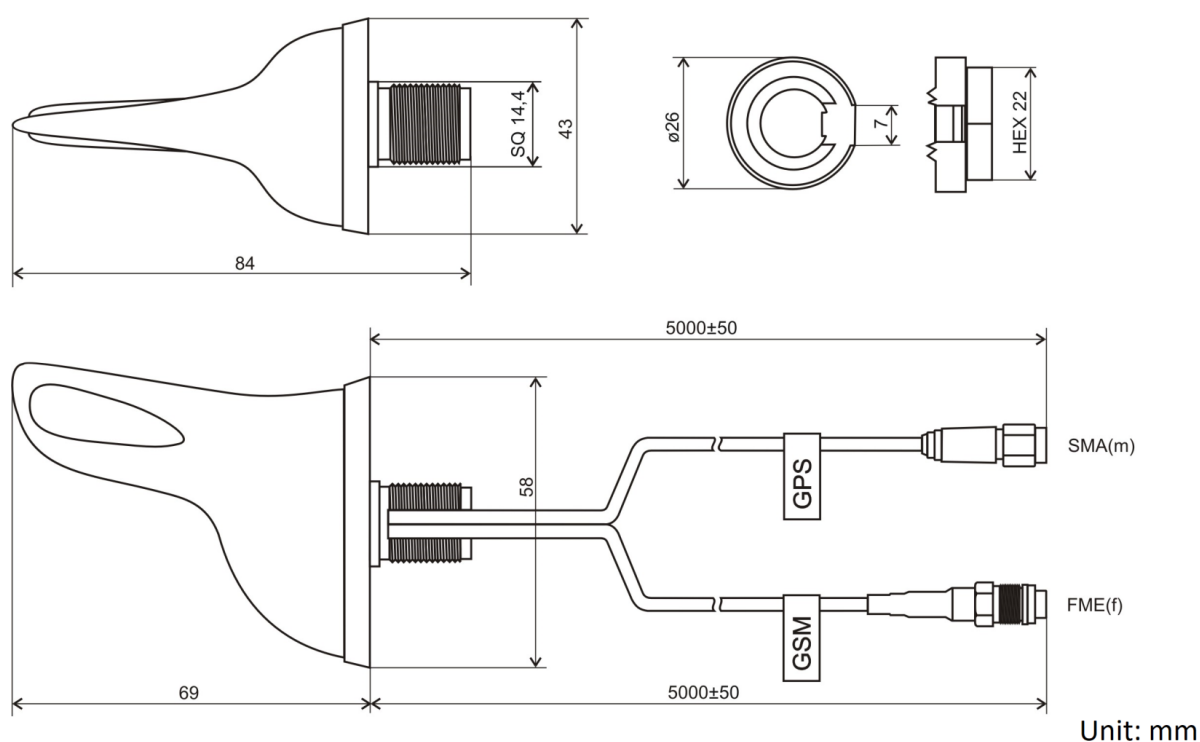


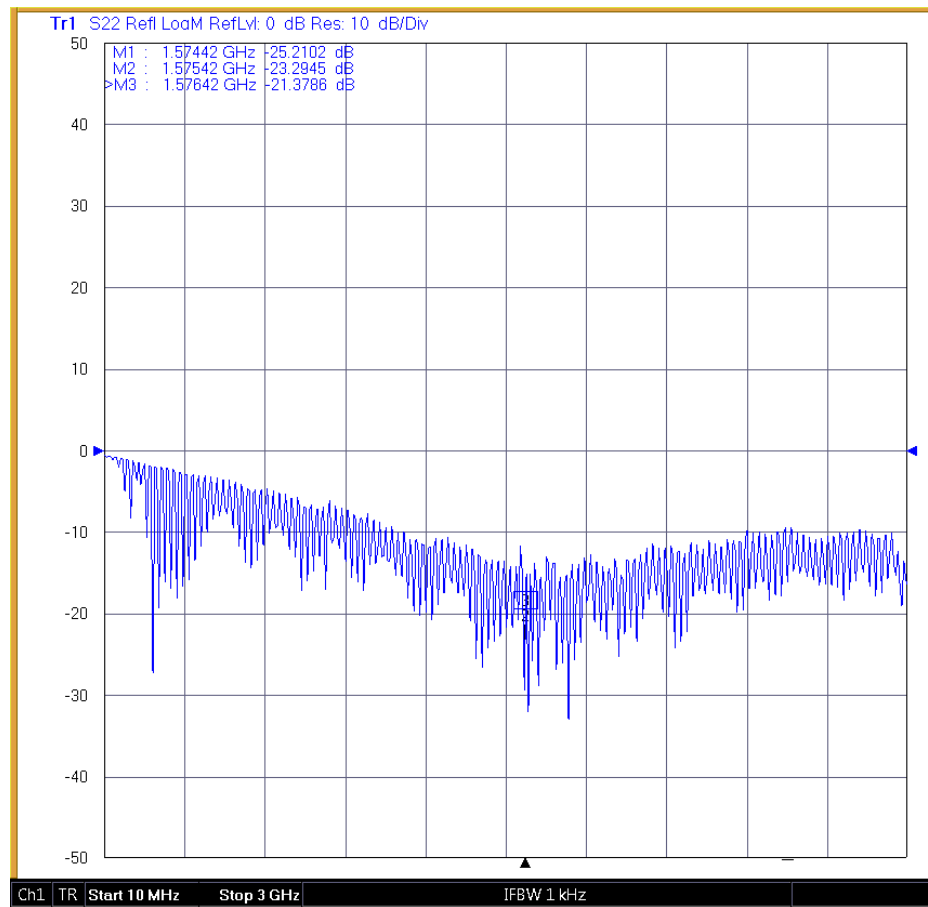
FEATURES

AO-AKOM-31FS

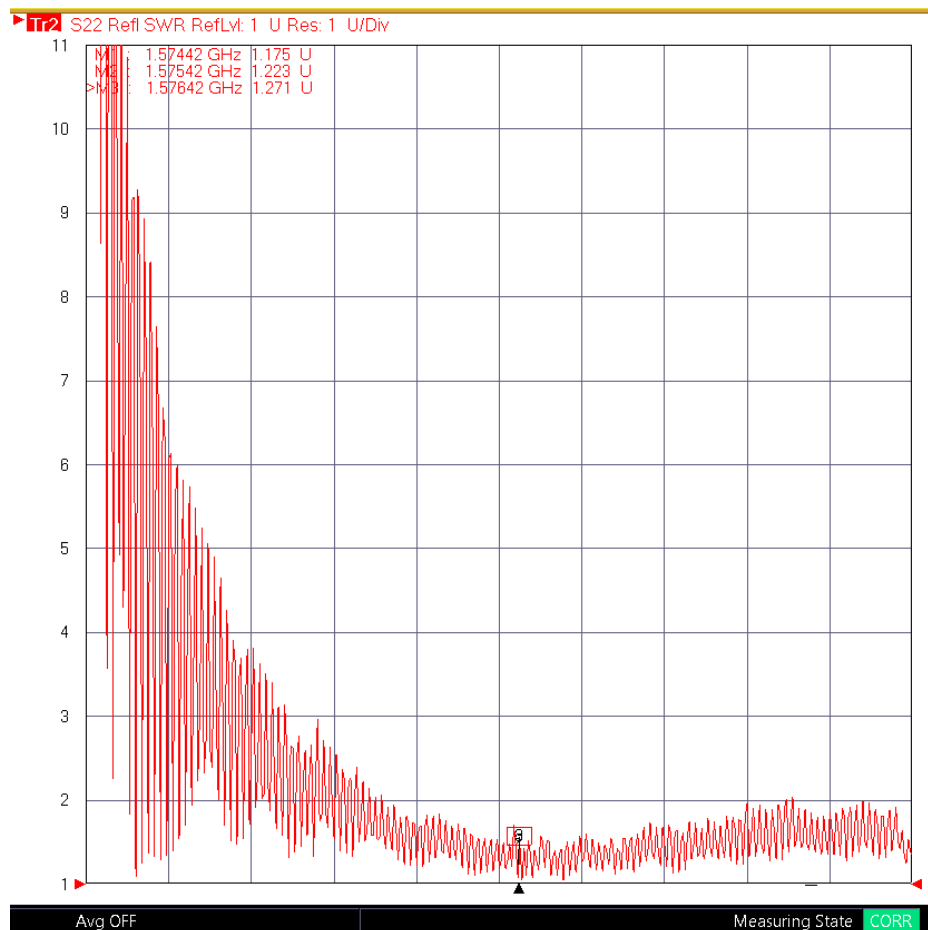
Technology	GPS/GSM
Frequency bands	900, 1575.42, 1800 MHz
Bandwidth	10 MHz
Gain	3/0 dBi
LNA Gain	27 dBi
VSWR	<1.5:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Polarization	Linear/R.H.C.P.
Maximum input power	10 W
Power voltage	2.2-5 VDC
Dimensions	69 x 58 x 43 mm
Weight	200.03 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Screw Mount
Cable type	2x RG174/U
The cable length	2x 5 m
Connector type	SMA(m)/FME(f)
Certification	RoHS

DRAWING

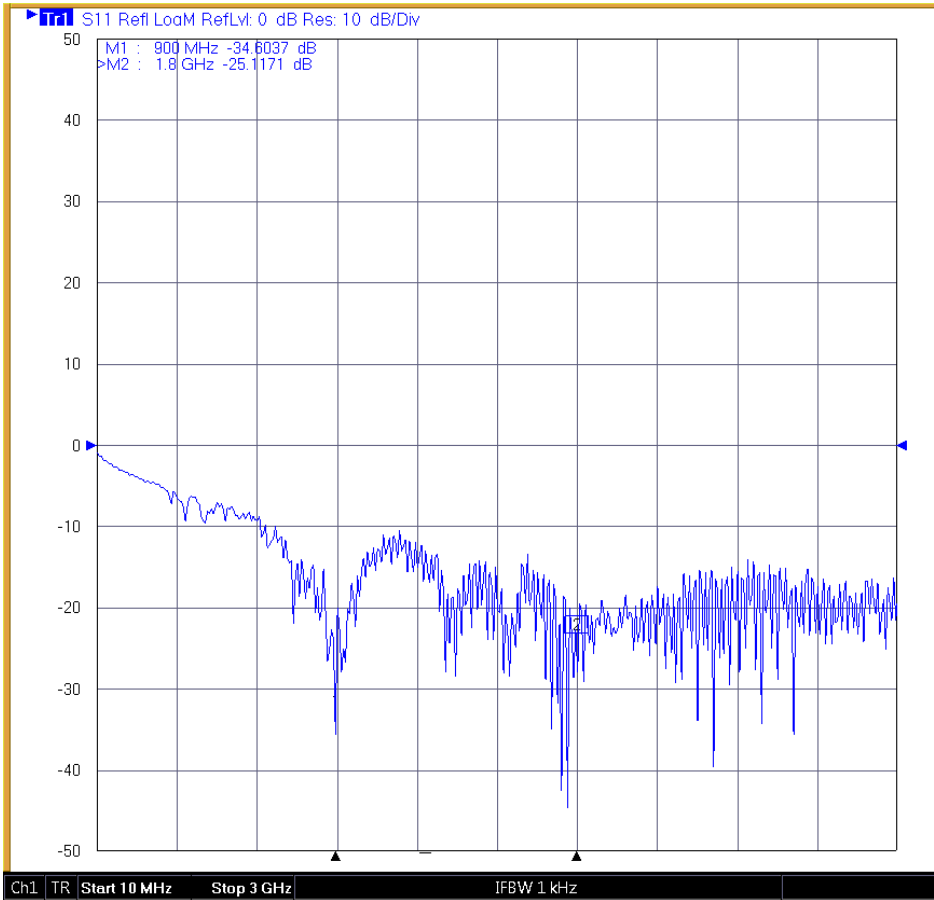


GPS - S_{11} - Return Loss [dB]

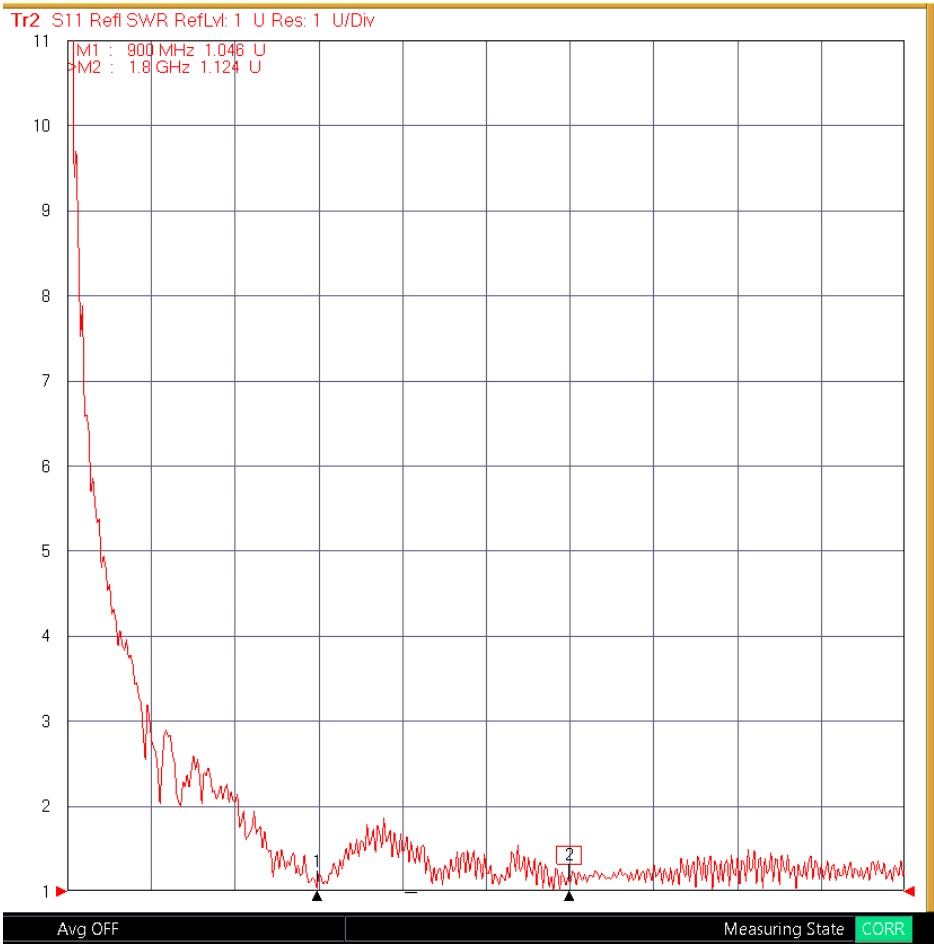
GPS - VSWR – Voltage standing wave ratio [-]



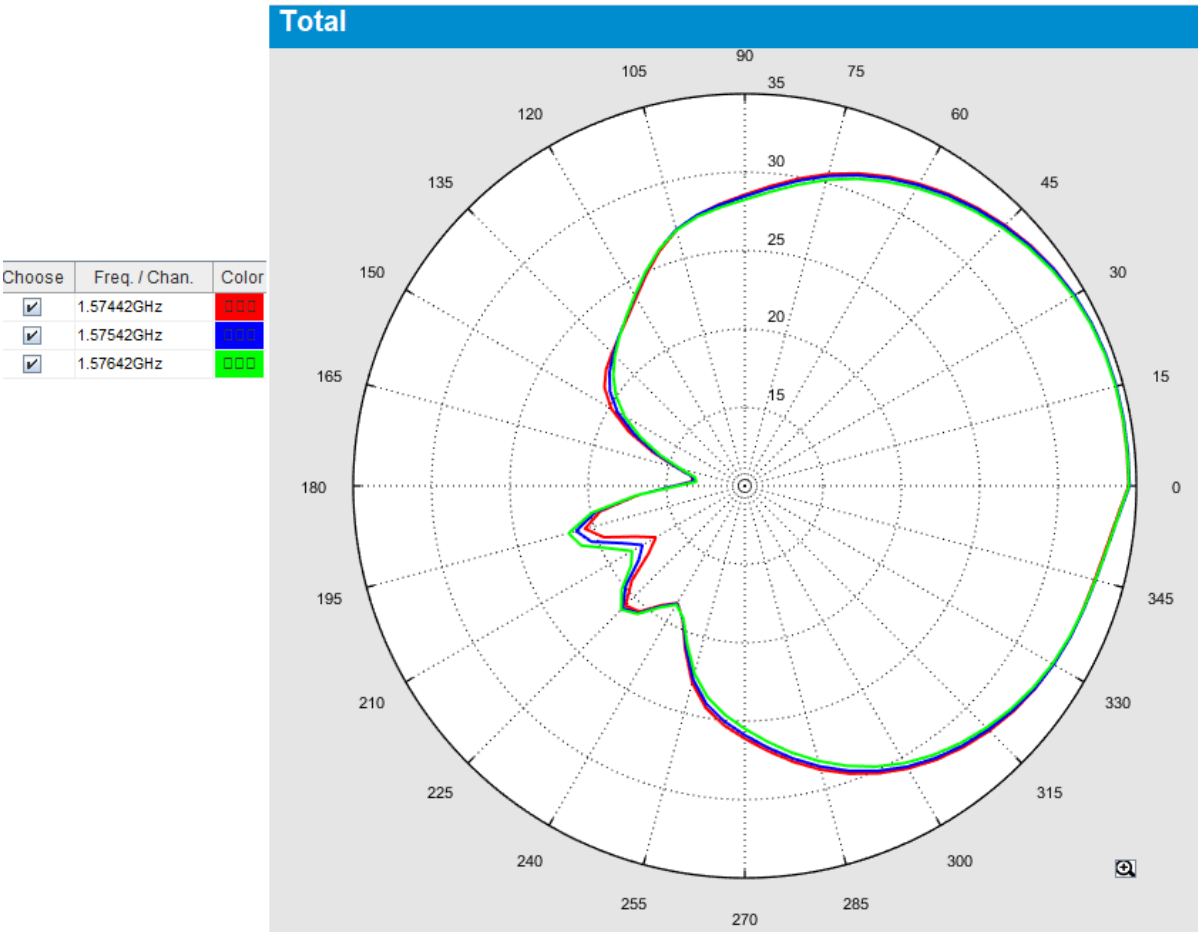
GSM - S_{11} - Return Loss [dB]



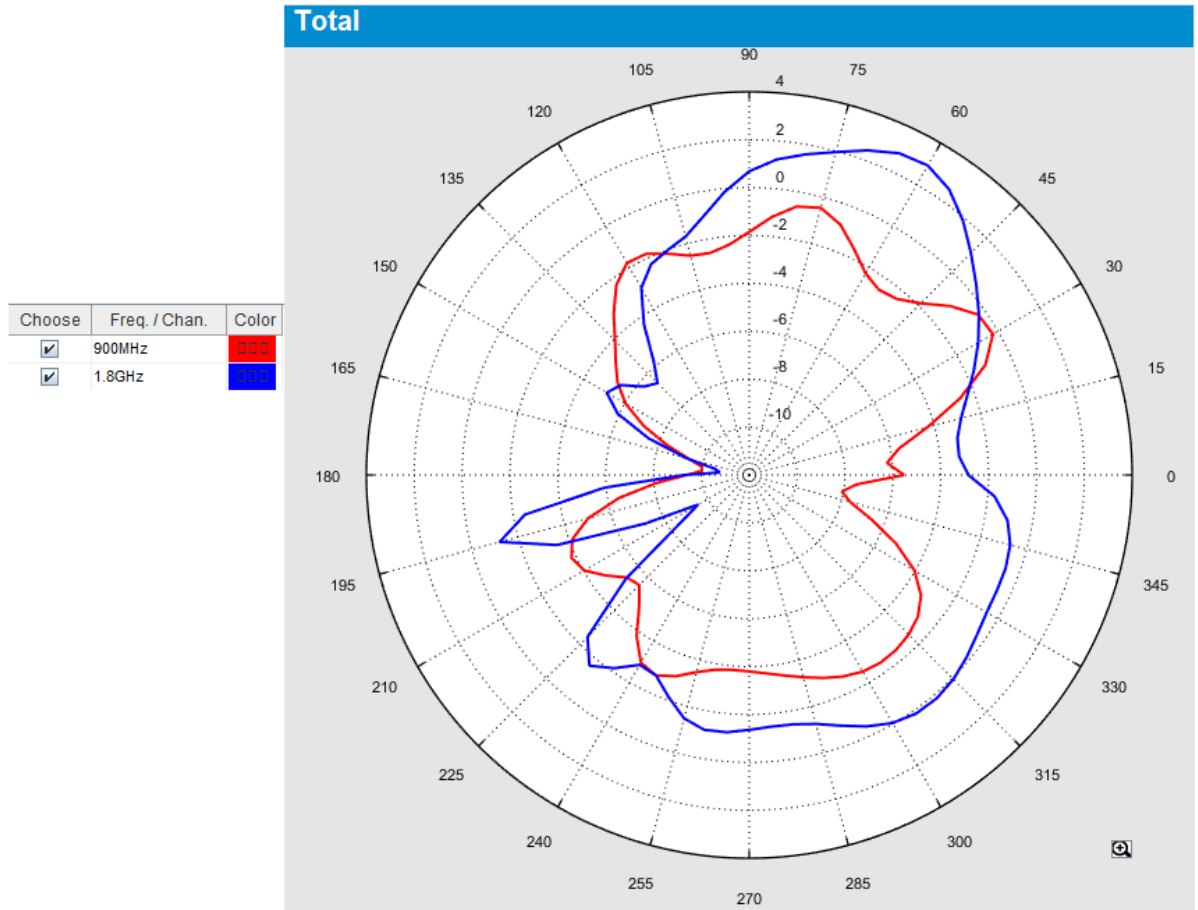
GSM - VSWR – Voltage standing wave ratio [-]



GPS - 2D RADIATION PATTERN



GSM - 2D RADIATION PATTERN



SUMMARY

Frequency [MHz]	S_{11} [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
900	-34.60	1.04	52.12	0.75
1574.42	-25.21	1.17	-	34.51
1575.42	-23.29	1.22	-	34.57
1576.42	-21.37	1.27	-	34.53
1800	-25.11	1.12	77.8	3.06

VARIANTS

AO-AKOM-31FS

Different connector variants or cable lengths are available on request.

CONTACTS

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