



GSM/GPS ANTENNA

Antenna GSM/GPS Screw Mount CAP,

SMA/SMA, RG174/5m

AO-AKOM-CAPSS

SECTRON company offers a wide portfolio of GSM/GPS 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

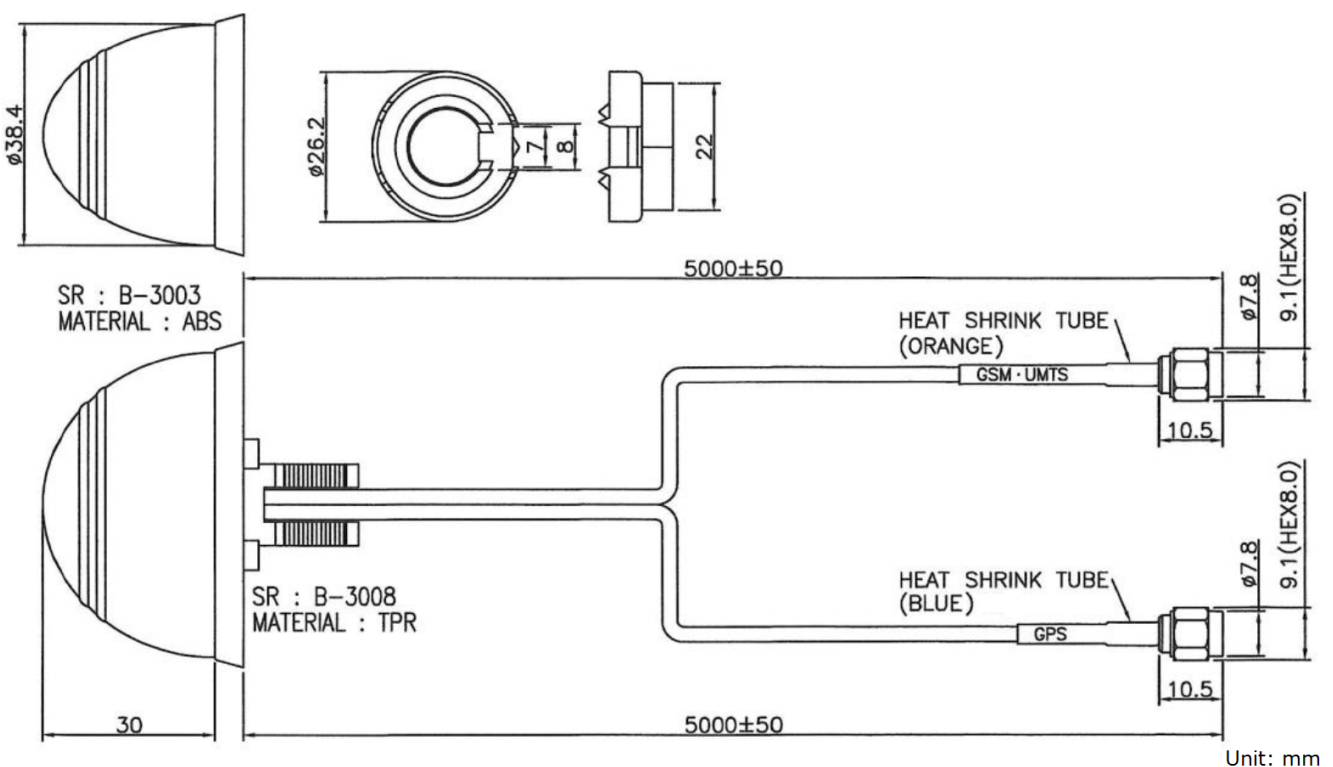
- Low VSWR
- Omnidirectional

FEATURES

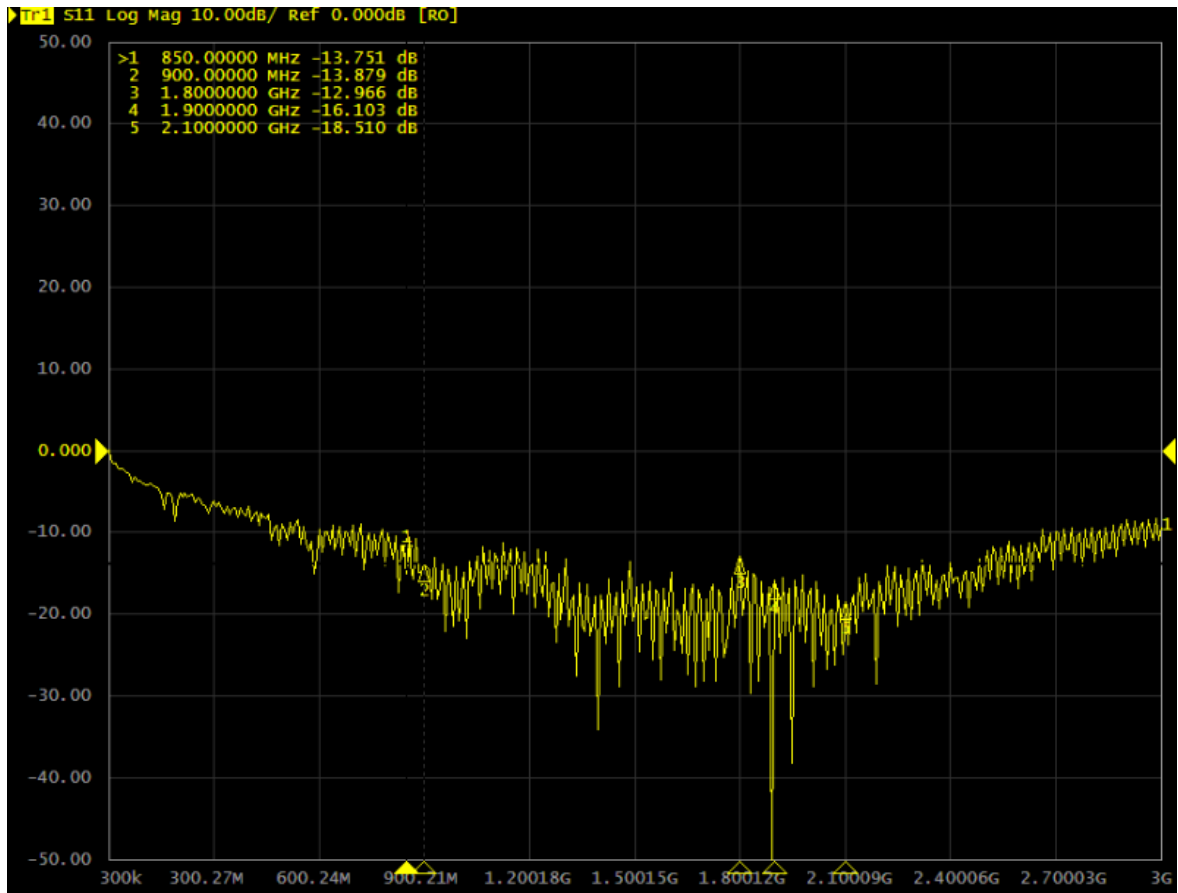
AO-AKOM-CAPSS

Technology	GSM/GPS
Frequency bands	850/900/1575.42/1800/1900/2100 MHz
Bandwidth	-
Gain	1.3/32.6 dBi
VSWR	<1.6:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Via attached graphs
Polarization	Linear, R.H.C.P.
Maximum input power	10 W
Power voltage	2.2-5 VDC
Dimensions	30 x 53 x 38 mm
Weight	172.17 g
Operating temperature	40 to +85 °C
Execution	External
Method of attachment	Screw Mount
Cable type	2x RG174/U
The cable length	2 x 5 m
Connector type	SMA(m)/SMA(m)
Certification	RoHS

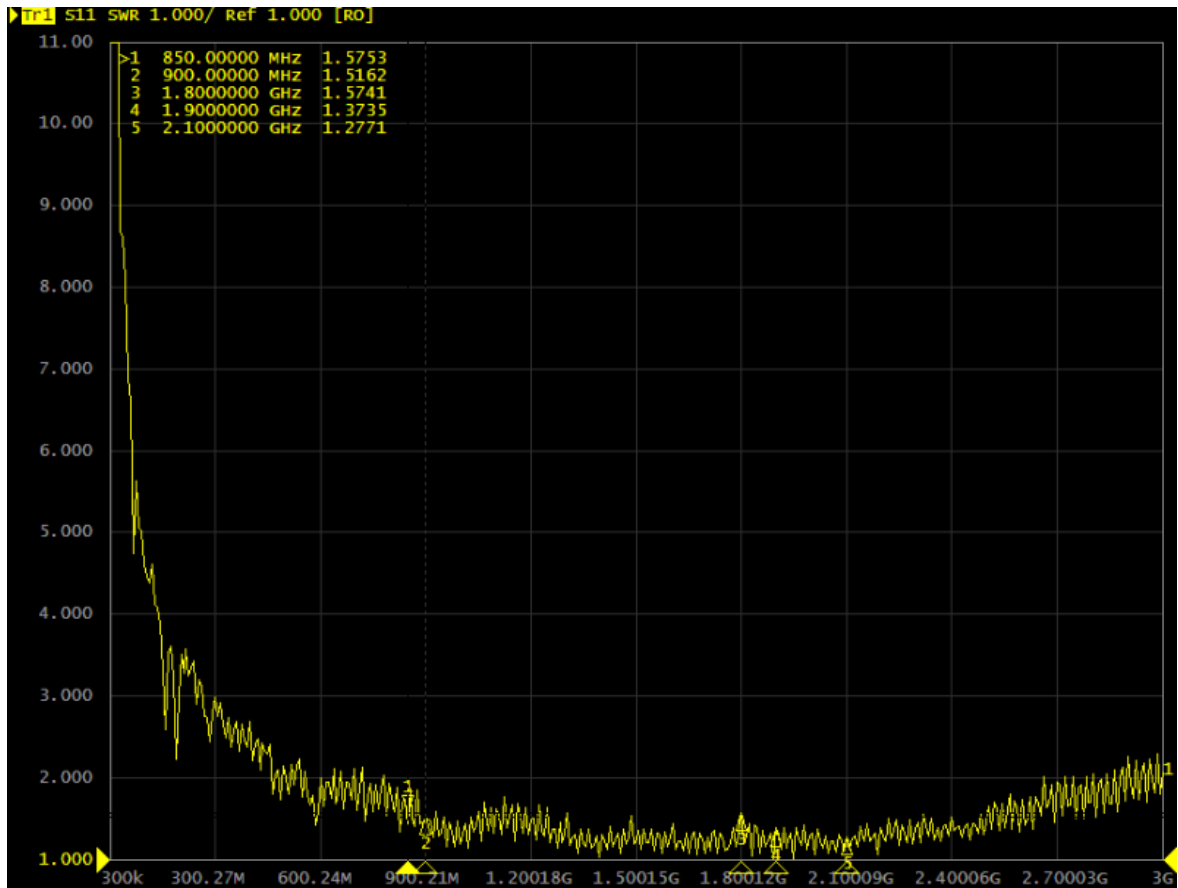
DRAWING

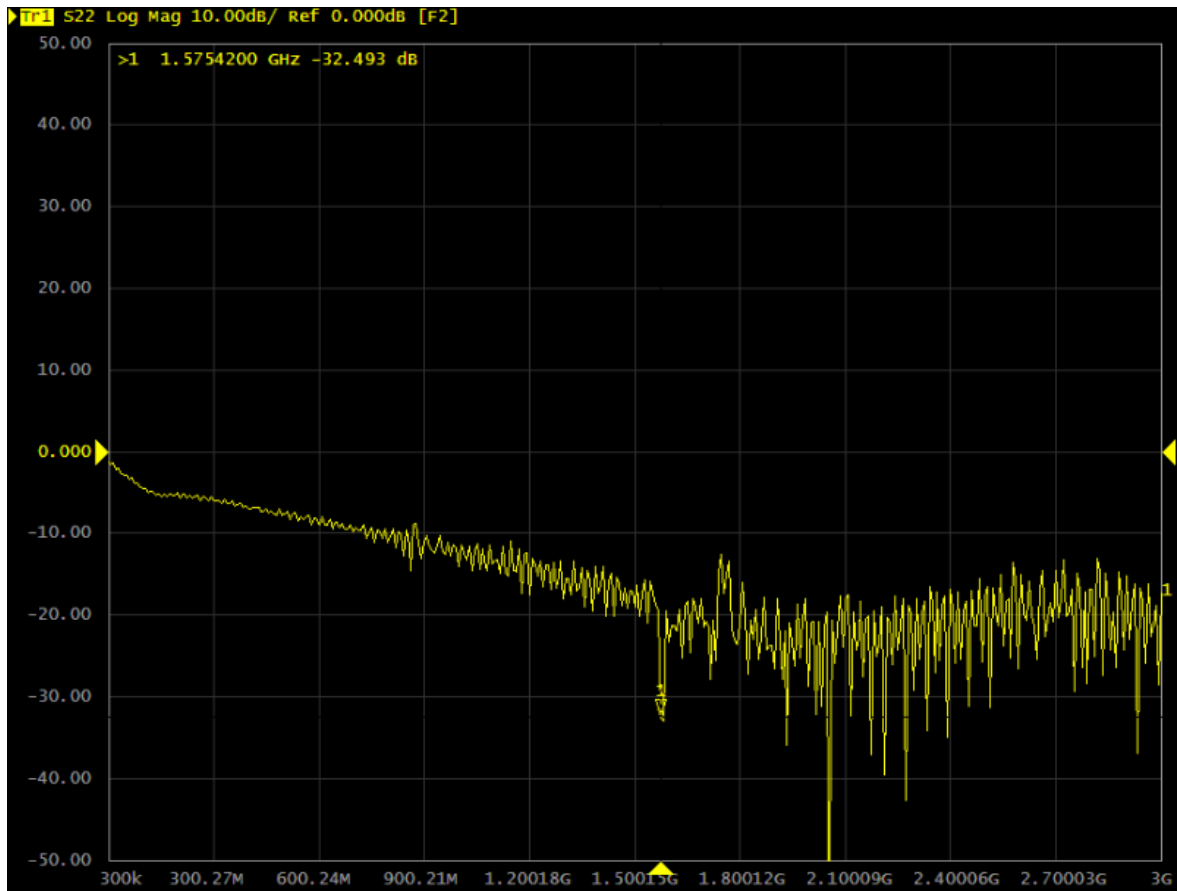


GSM - S_{11} - Return Loss [dB]

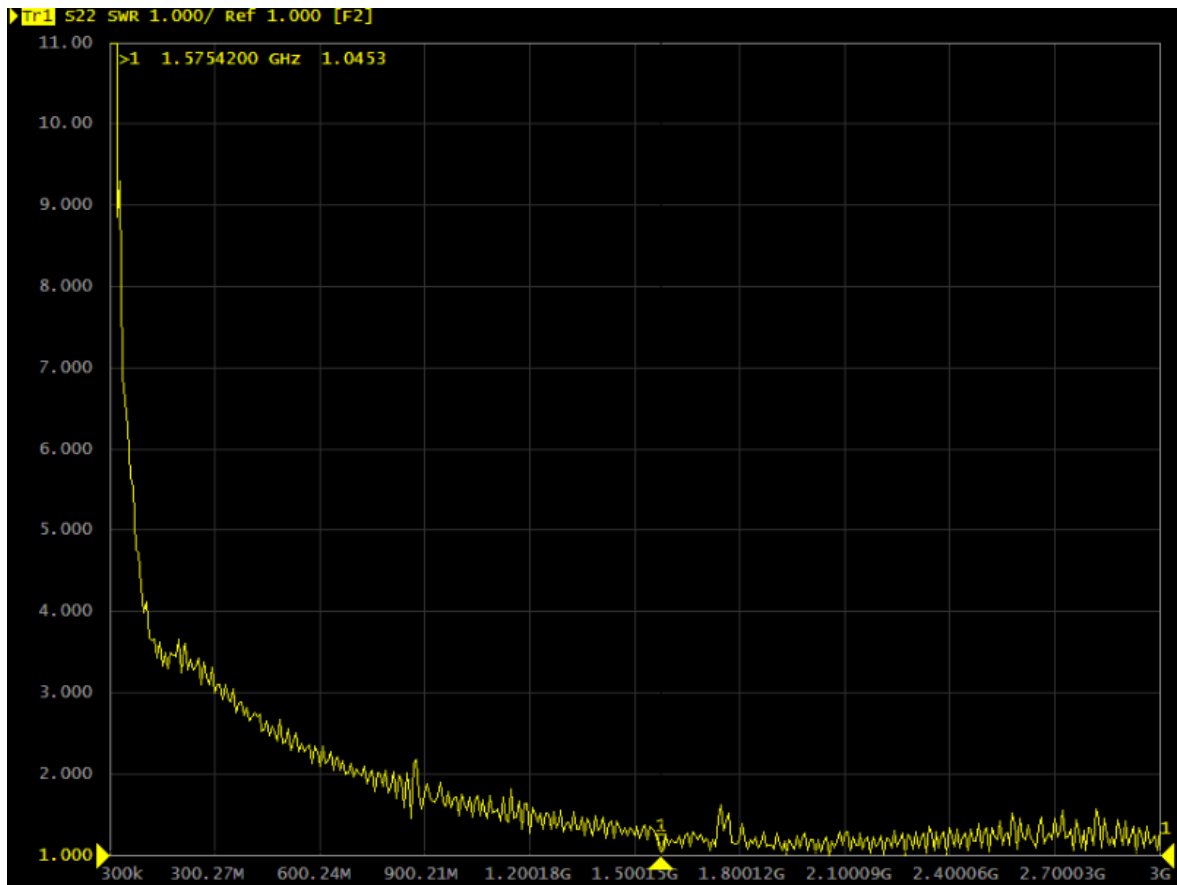


GSM - VSWR – Voltage standing wave ratio [-]



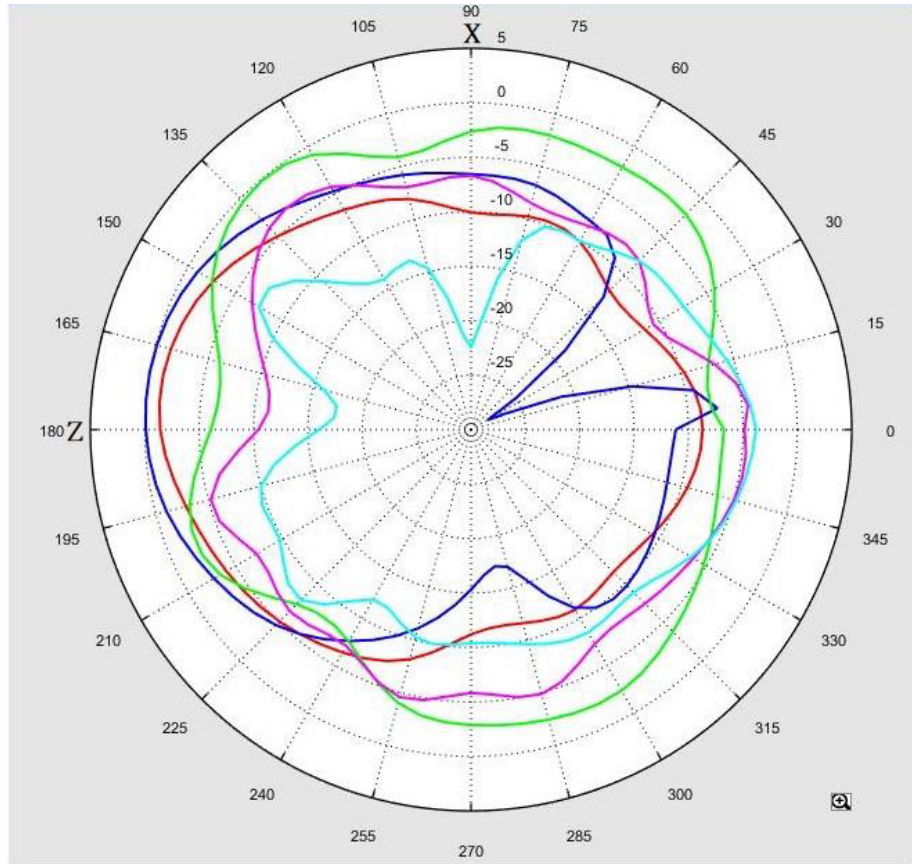
GPS - S_{11} - Return Loss [dB]

GPS - VSWR – Voltage standing wave ratio [-]



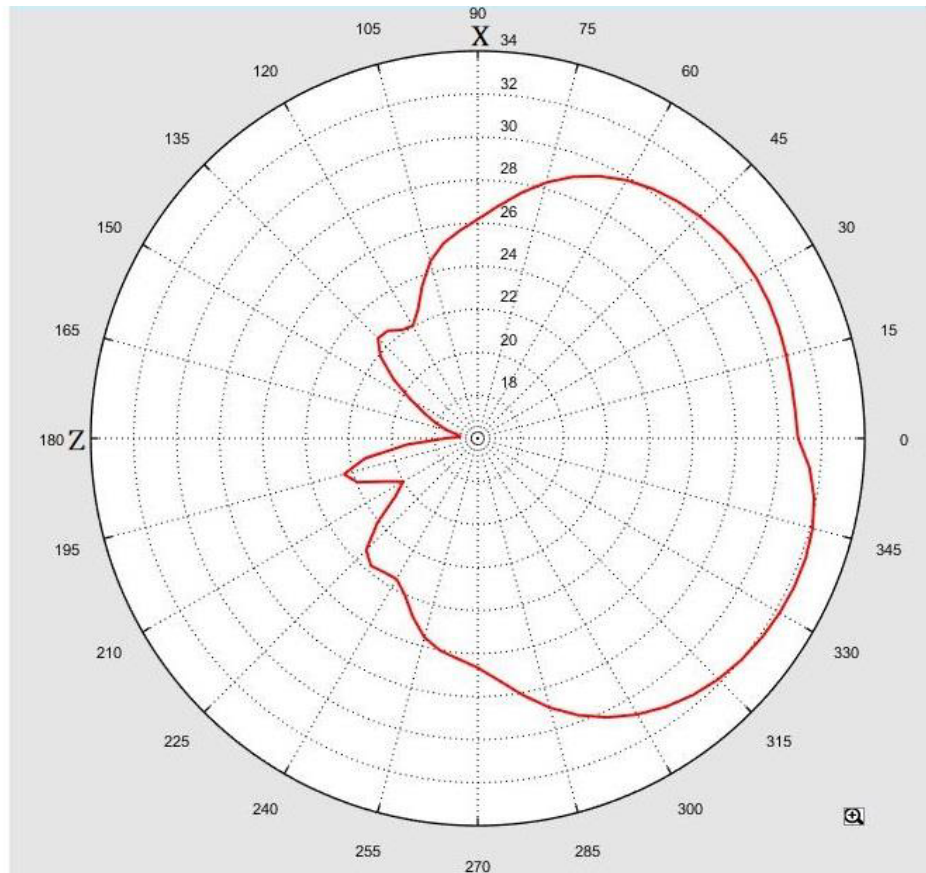
GSM - 2D RADIATION PATTERN

Freq. / Chan.	Color
850MHz	Red
900MHz	Blue
1.8GHz	Green
1.9GHz	Magenta
2.1GHz	Cyan



GPS - 2D RADIATION PATTERN

Freq. / Chan.	Color
1.57542GHz	Red



Frequency [MHz]	S_{11} [dB]	VSWR [-]	Gain
1575.42(GPS)	-32.49	1.04	32.6
850	-13.75	1.57	-0.76
900	-13.87	1.51	1.3
1800	-12.96	1.57	0.55
1900	-16.10	1.37	-0.85
2100	-18.51	1.27	-3.79

Different connector variants or cable lengths are available on request.

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