



GSM/UMTS ANTENNA

Antenna GSM/UMTS

Magnetic 90, 9 dBi,
SMA(m)90°, RG58/3.5m

AO-AGSM-MG9SU

SECTRON company offers a wide portfolio of GSM/UMTS 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.

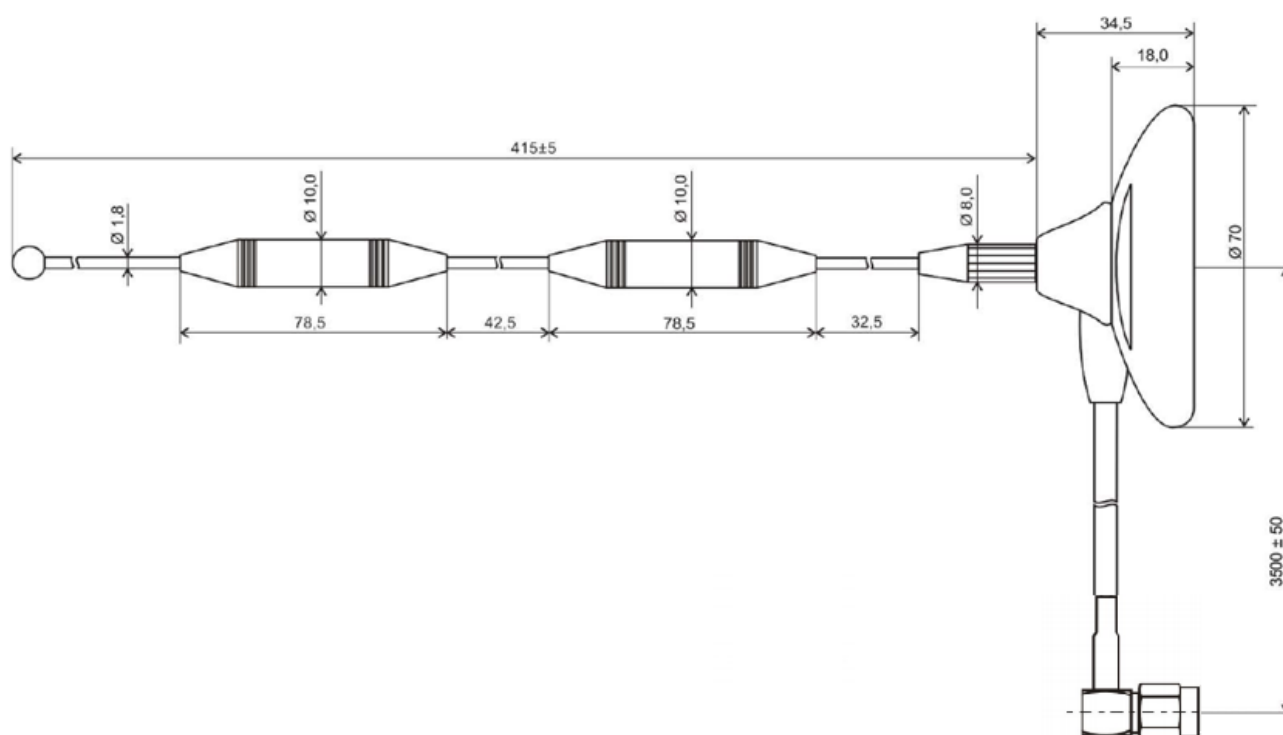
BENEFITS

- Low VSWR
- High Gain
- Easy installation



Technology	GSM/UMTS
Frequency bands	900/1800/2100 MHz
Bandwidth	-
Gain	9 dBi
VSWR	<1.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs below
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	449.5 x \varnothing 70 mm
Weight	298.32 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic
Cable type	RG58/U
The cable length	3.5 m
Connector type	SMA(m)90°

DRAWING



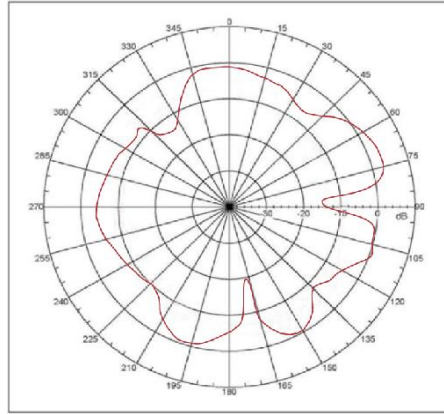
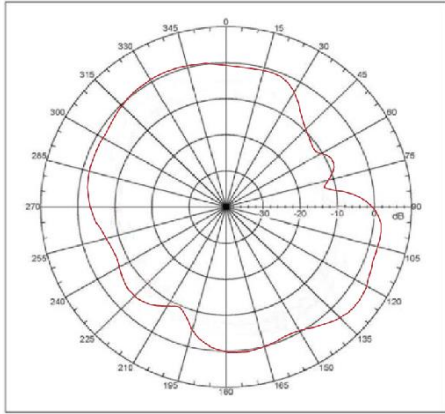
UNIT:mm

Radiation Pattern – Simulated

H-plane

850 MHz

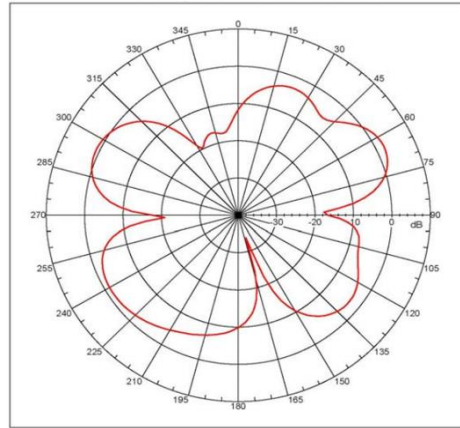
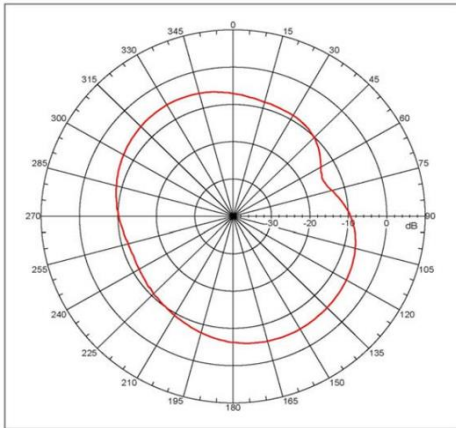
E-plane



H-plane

900 MHz

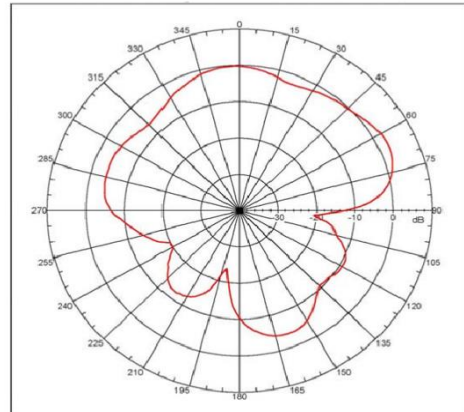
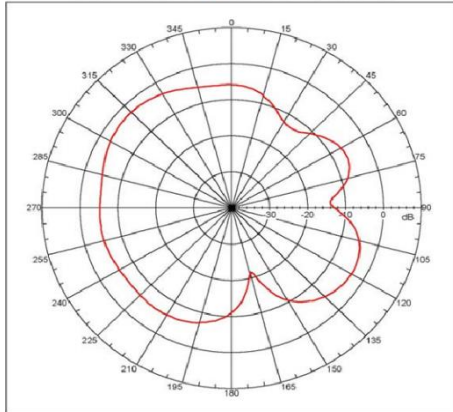
E-plane



H-plane

1 800 MHz

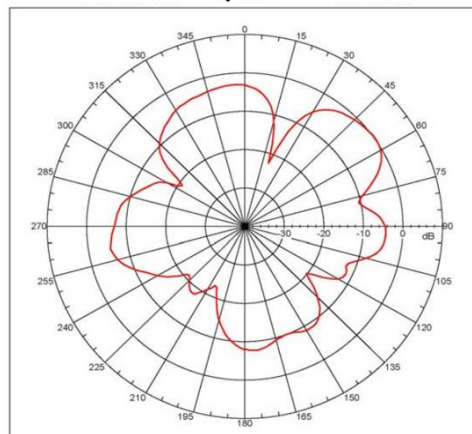
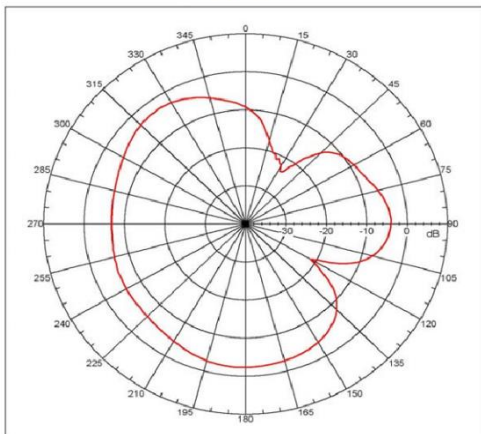
E-plane



H-plane

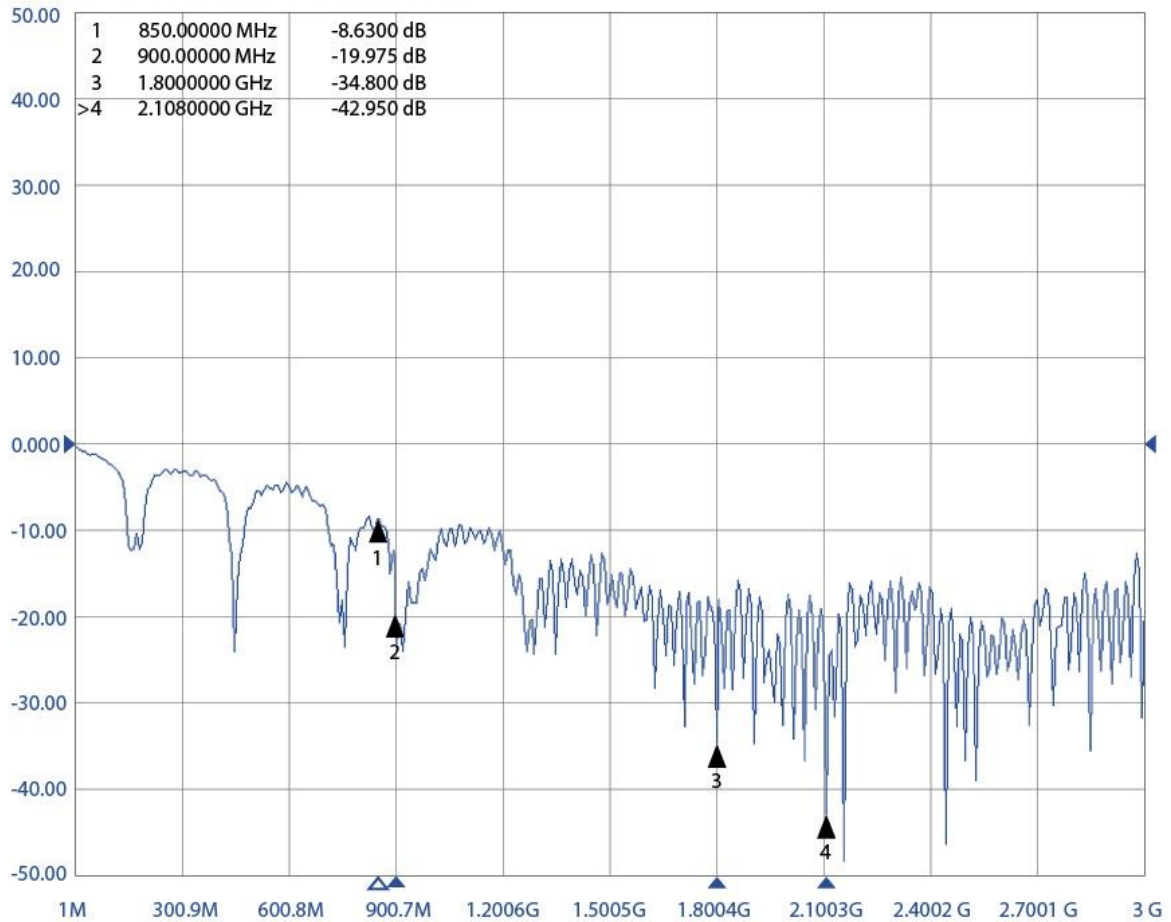
2 100 MHz

E-plane



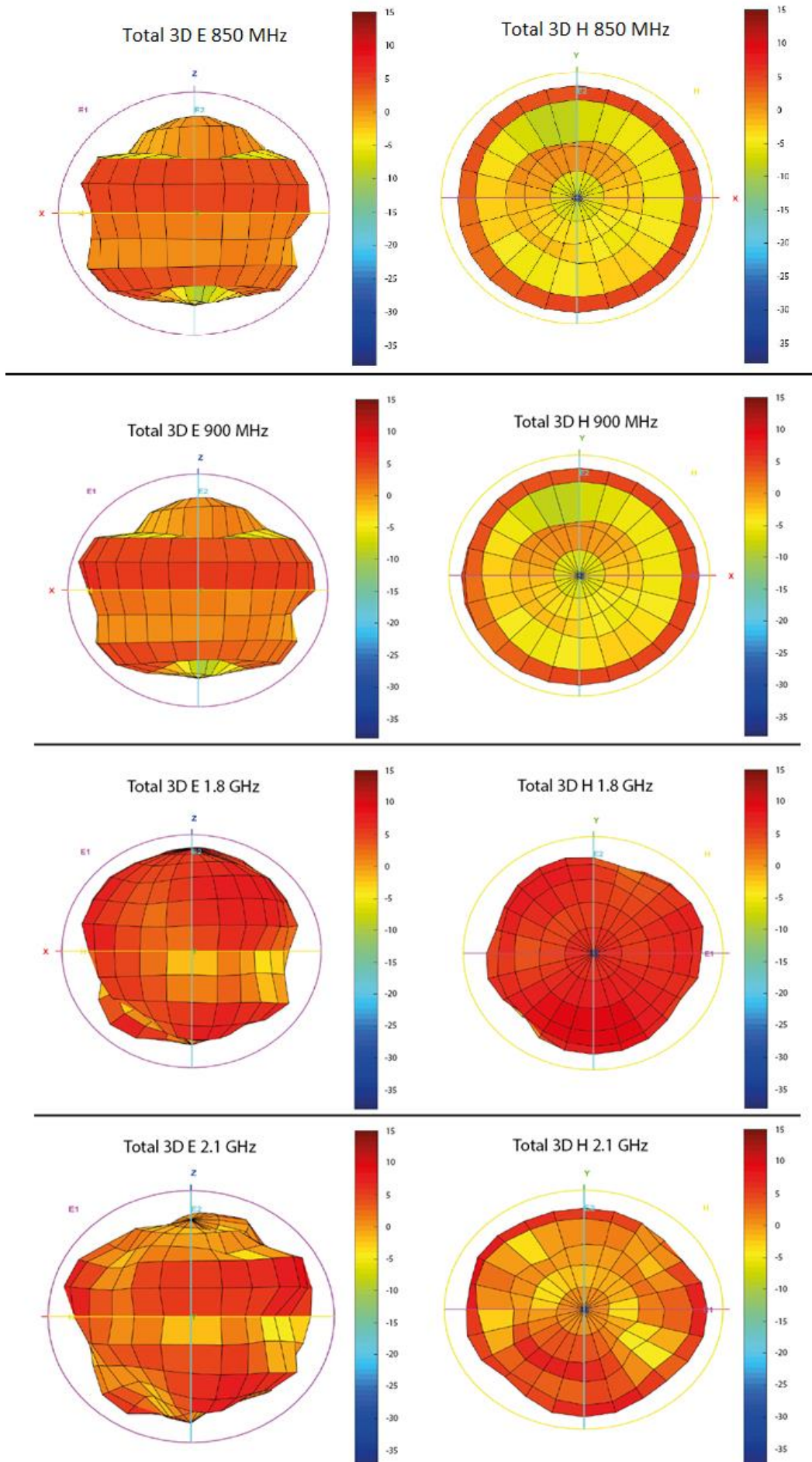
S11 - Return Loss [dB] – measured

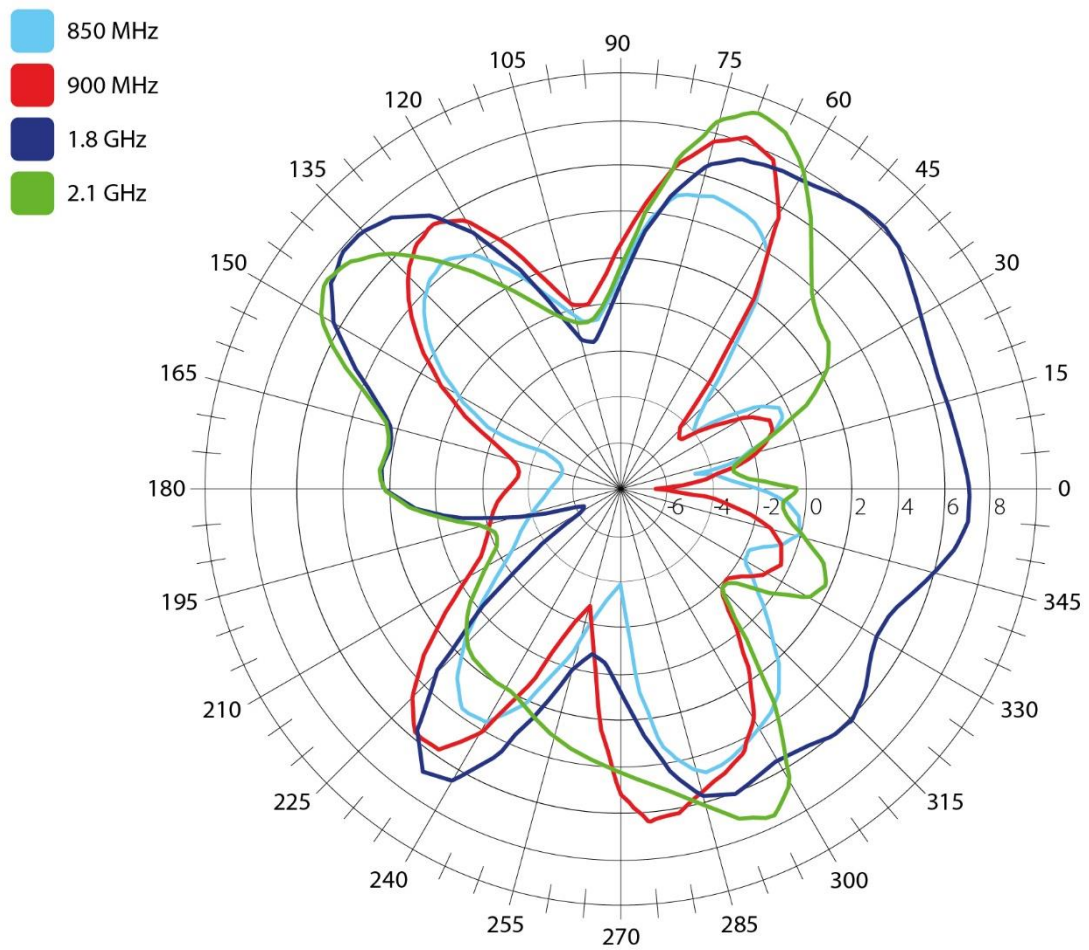
Tr1 S11 Log Mag 10.00dB/REF 0.000dB [RO]



Frequency [MHz]	Return Loss [dB]	VSWR	Max. Gain [dBi]
900	-19.98	1.222: 1	8.1
1800	-34.8	1.037: 1	8
2100	-42.95	1.014: 1	9

Radiation pattern - measured





ALL VARIANTS

Different connector variants or cable lengths are available on request.

CONTACTS

SECTRON s.r.o. Josefa Šavla 1271/12
709 00 Ostrava 9, Czech Republic

WWW.SECTRON.CZ
Tel.: +420 556 621 021