



GSM/UMTS ANTENNA

Antenna GSM/UMTS Flexible
hexa-band, U.FL 150mm

AO-AG-FPC14U150

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



BENEFITS

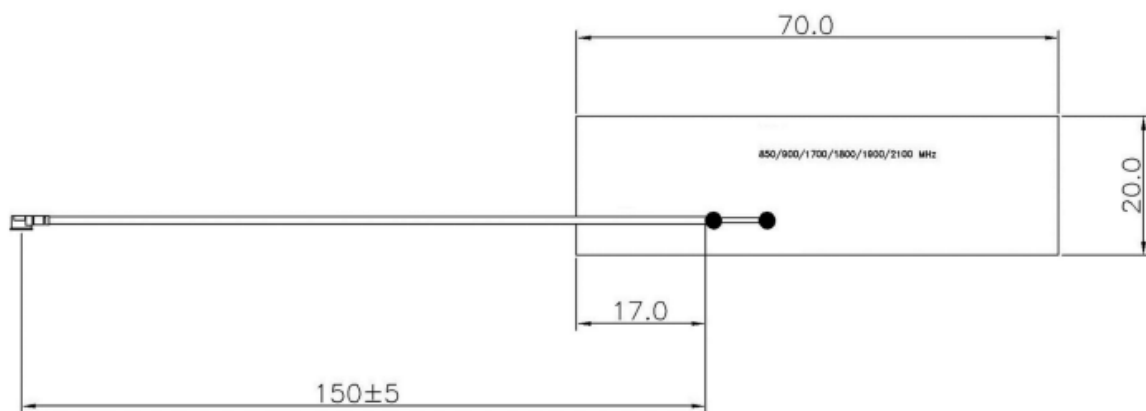
- Low VSWR
- Flexible
- Easy installation
- Minimalist dimensions

FEATURES

AO-AG-FPC14U150

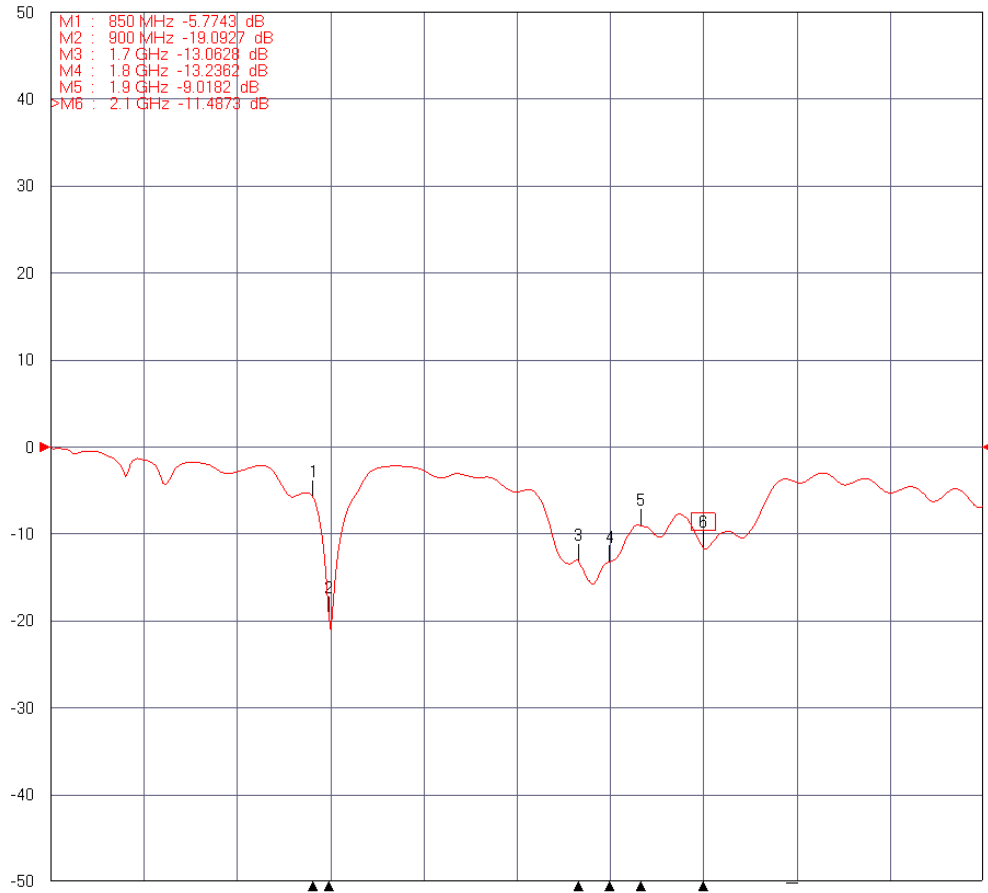
Technology	GSM/UMTS/LTE
Frequency bands	850/900/1700/1800/1900/2100 MHz
Bandwidth	-
Gain	2 dBi
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Polarization	Linear
Maximum input power	10 W
Power voltage	2.5-5.5 V
Dimensions	20 x 70 x 0.1 mm
Weight	1.22 g
Operating temperature	-20 to 80°C
Execution	Internal
Method of attachment	Adhesive
Cable type	Hirose088
The cable length	150 mm
Connector type	U.FL
Certification	RoHS

DRAWING



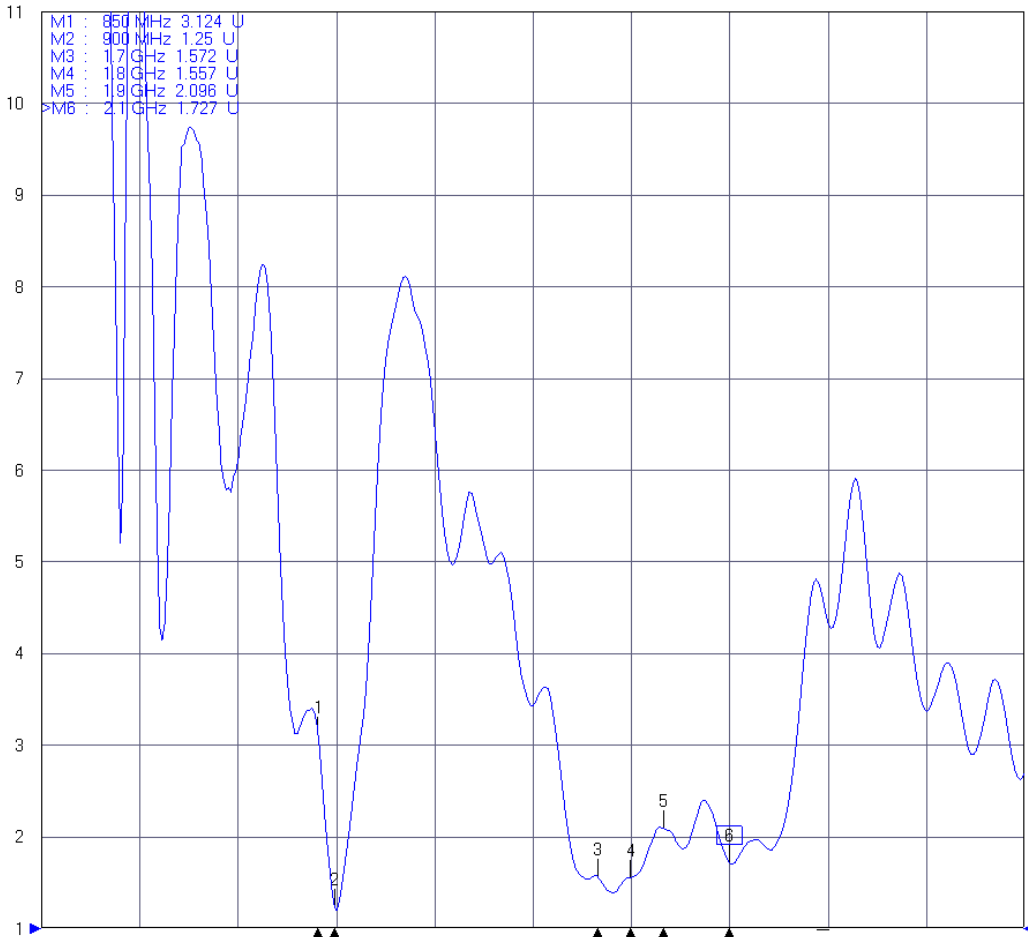
S_{11} - Return Loss [dB]

Tr1 S11 Refl Load RefLvl: 0 dB Res: 10 dB/Div



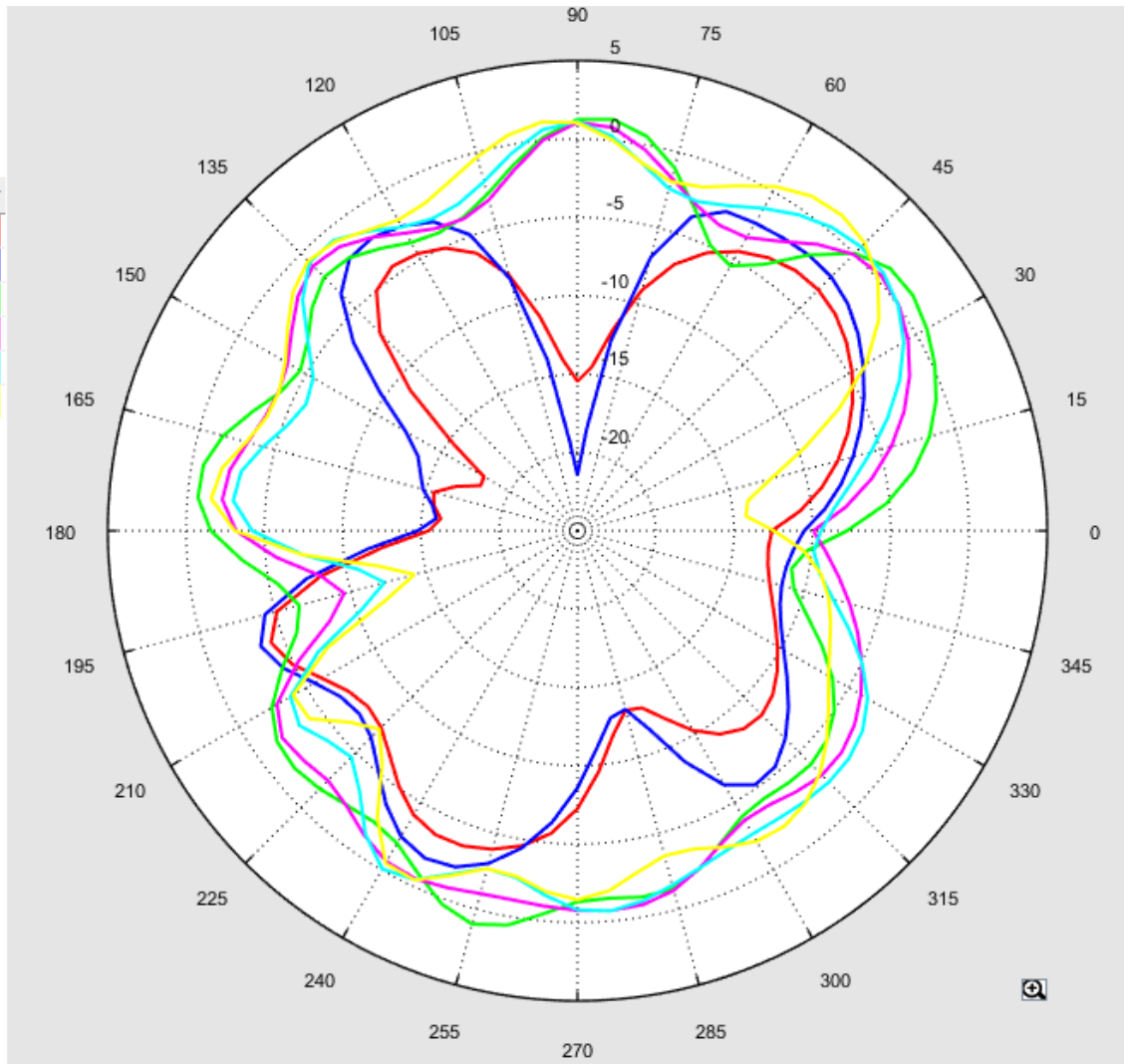
VSWR - Voltage standing wave ratio [-]

Tr2 S11 Refl SWR RefLvl: 1 U Res: 1 U/Div



2D RADIATION PATTERN

Choose	Freq. / Chan.	Color
<input checked="" type="checkbox"/>	850MHz	□□□
<input checked="" type="checkbox"/>	900MHz	□□□
<input checked="" type="checkbox"/>	1.7GHz	□□□
<input checked="" type="checkbox"/>	1.8GHz	□□□
<input checked="" type="checkbox"/>	1.9GHz	□□□
<input checked="" type="checkbox"/>	2.1GHz	□□□



SUMMARY

Frequency [MHz]	S_{11} [dB]	VSWR [-]	Gain [dBi]	Efficiency [%]
850	-5.77	3.12	-1.28	27.1
900	-19.09	1.25	0.27	38.28
1700	-13.06	1.57	1.61	72.11
1800	-13.23	1.55	1.1	69.18
1900	-9.01	2.09	1.25	70.15
2100	-11.48	1.72	2.18	74.3

Different connector variants or cable lengths are available on request.

CONTACTS

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