SKYMIRR
BE AMAZED

FPCB Antenna

TAEP134

4G LTE/ 5G Sub6 and GNSS L1 Ultra-Broadband FPCB Antenna

INTRODUCTION

The TAEP134 antenna is an omni-directional, FPCB antenna for any 4G/5G devices. TAEP134 can cover entire 4G/5G bands from 617MHz to 5GHz plus GNSS L1 band. This product particularly works fine with the 4G/5G module including Quectel RM520N (Ant 3 port).

APPLICATION

Any wireless device that requires a high efficiency antenna covering entire 4G LTE/5G Sub6 and GNSS L1 frequency bands.

Example Uses – Routers, Gateways, CPEs, Automotive devices, IoT devices, etc.

Features and Benefits

- **Ultra-Wideband FPCB Antenna Covering Entire 4G LTE/ 5G Sub 6 and GNSS L1 bands**
- Antenna Size: 136.4 mm x 26.4 mm x 0.5 mm (not including Cable and Connector)
- Connector: WFL (Male) connector with a 150mm coaxial cable
- Operating Frequency Bands
  - 617~960MHz
  - 1432~2690MHz
  - 3300~5925MHz

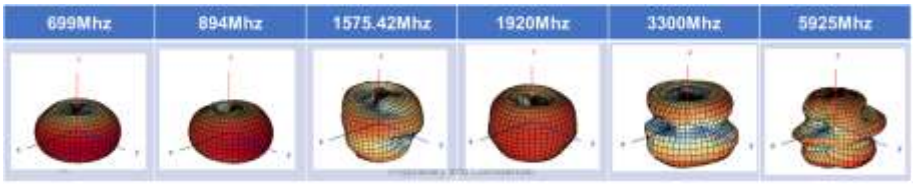
  GNSS L1: 1575.42 MHz
- High efficiency up to 93%
- Peak Gain: -2.7~4.5dBi
- RoHS Compliance

Performance

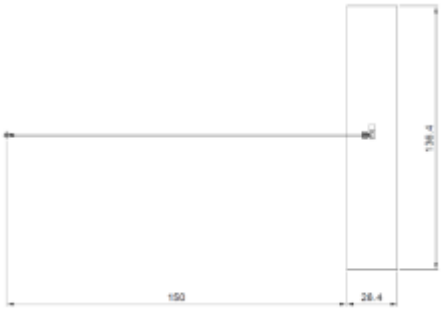
Gain and Efficiency

Frequency [Mhz]	Low Band				L1	Mid/High Band					Ultra High Band				LAA	
	617	746	824	960	1575	1432	1710	2170	2496	2690	3300	3800	4200	5000	5150	5925
Efficiency [%]	31.0	76.8	93.0	87.1	67.7	39.0	54.9	72.6	78.4	73.1	71.8	67.3	66.4	43.8	42.1	59.3
Peak Gain [dBi]	-2.70	1.70	2.68	3.39	3.28	0.78	1.31	3.05	4.49	4.36	4.16	3.45	2.85	1.56	1.65	3.04
Impedance	50Ω															
Polarization	Vertical															
Directivity	Omni Directional															

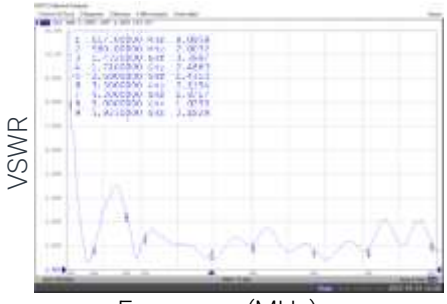
Radiation Pattern



Dimension (unit: mm)



VSWR



Contact Details:

US: +1-3213931039

TW: +886-963383713

KR: +82-1047149824

IN: +91-9967297130

Email: sales@skymirr.com

Website: www.skymirr.com