

TVNext™ (NN01-054)

VHF (180 – 220MHz)

Fractus Antennas specializes in enabling effective mobile communications. Using Fractus technology, we design and manufacture optimized antennas to make your wireless devices more competitive. Our mission is to help our clients develop innovative products and accelerate their time to market through our expertise in antenna design, testing and manufacturing.

TVNext™ is an off-the-shelf internal antenna solution specifically designed for mobile TV applications, covering VHF band requirements. TVNext™ minimizes your product development cost and time. The TVNext™ antenna is built on glass epoxy substrate. It combines small size and high performance making TVNext™ an optimal choice for your portable digital TV applications. Its electrical and mechanical characteristics ensure design flexibility and optimal performance in devices such as: 2G & 3G enabled mobile phones, VHF enabled devices (PDAs, Ultra Mobile PC, Personal Media Player, Laptops), and many more.

Product Benefits

- Reduced Form Factor
- Modularity - SMD
- Superior Performance
- Passive Solution
(no amplifier, no active tuning)

20 mm x 10 mm x 1.6 mm (image larger than actual size)

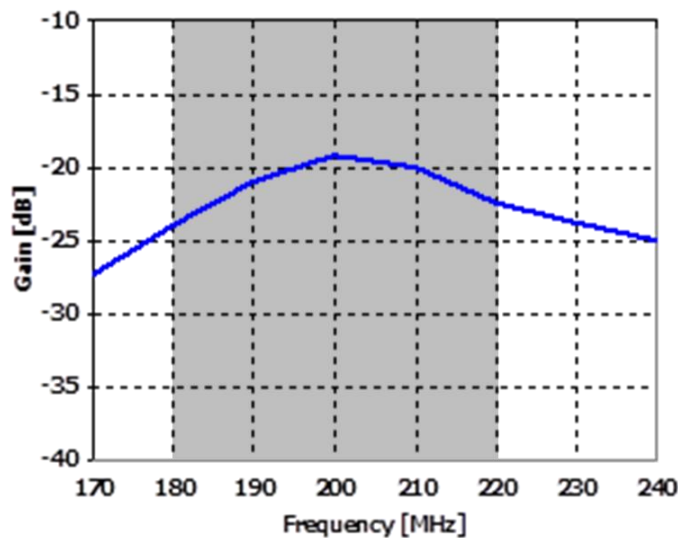


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Gain (dB) vs. Frequency (MHz)



Technical Features	180 – 220 MHz
Gain Curve	See graph
Radiation Pattern	Omnidirectional
Flatness	< 2 dB gain variation
Polarization	Linear
Weight	0.6 g
Temperature	-40 to +125 °C
Impedance	50 Ω
Dimensions (L x W x H)	20.0 mm x 10.0 mm x 1.6 mm

Measures from the evaluation board (128.0 mm x 60.0 mm x 1.0 mm)

See pictures of the evaluation boards, matching network configuration and graphs of the specs in the [User Manual](#).

For additional information, please visit www.fractusantennas.com or contact info@fractusantennas.com.

If you need assistance to design your matching network, please contact support@fractusantennas.com, or try our free-of-charge¹ **NN Wireless Fast-Track** design service, you will get your chip antenna design including a custom matching network for your device in 24h¹. Other related to NN’s range of R&D services is available at: <https://www.fractusantennas.com/rdservices/>

¹ See terms and conditions for a free NN Wireless Fast-Track service in 24h at: <https://www.fractusantennas.com/fast-track-project/>