ignion

Your innovation.
Accelerated.

TVNow™ (NN01-047)

DATASHEET

TVNow™ (NN01-047): DVB-H (470 – 698 MHz &1670 – 1675 MHz)

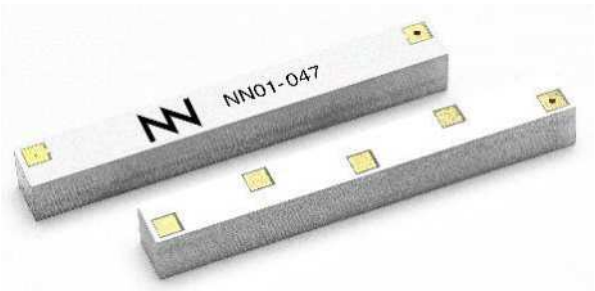
Ignion specializes in enabling effective mobile communications. Using Ignion technology, we design and manufacture optimized antennas to make your wireless devices more competitive. Our mission is to help our clients develop innovative products and accelerate their time to market through our expertise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

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

Product Benefits

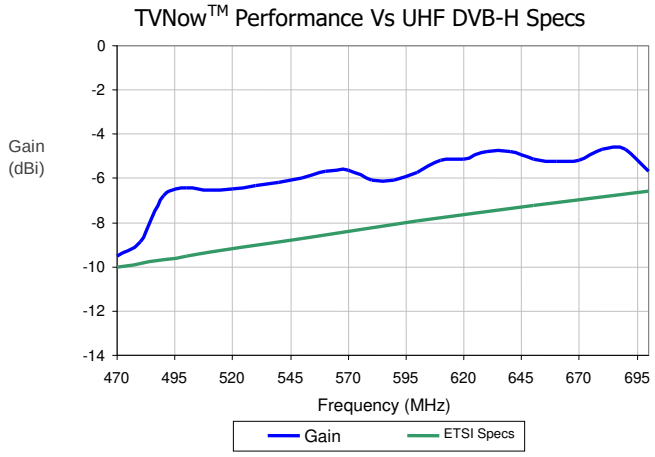
- Reduced Form Factor
- Modularity - SMD
- Superior Performance
- High Isolation (DVB-H and GSM)
- Accelerated Development Cycle

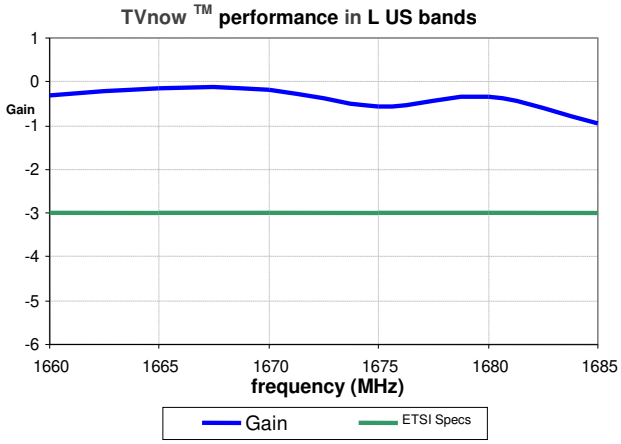
40 mm x 5.0 mm x 4.8 mm (image larger than actual size)



PAT US 8,472,908 B2

TVNow™ Performance vs. UHF DVB-H Specs and in L US BANDS





Technical Features	
Frequency Range **With GSM Coexistence**	470 – 698 MHz 1670 – 1675 MHz
Gain Curve	>2 dBi margin with DVB-H recommendations
Radiation Pattern	Omnidirectional
Gain Flatness (horizontal diagram)	±2 dB
Polarization	Linear
Weight (approx.)	1.9 g
Temperature	-40 to +125 ºC
Impedance	50 Ω
Dimensions (L x W x H)	40.0 mm x 5.0 mm x 4.8 mm

Measures from the evaluation board (107.0 mm x 42.7 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.ignion.io or contact info@ignion.io.

If you need assistance to design your matching network, please contact support@ignion.io, or try our free-of-charge[1] **NN Wireless Fast-Track** design service, you will get your chip antenna design including a custom matching network for your device in 24h[1]. Other related to NN's range of R&D services is available at: https://www.ignion.io/rdservices/

[1] See terms and conditions for a free NN Wireless Fast-Track service in 24h at: https://www.ignion.io/fast-track-project/

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