

# Multi Band Cellular Glass Mount Antenna

806-890 MHz - AMPS, DAMPS, CDMA, SMR  
890-960 MHz - GSM 900 Systems  
1710-1880 MHz - GSM 1800 Systems  
1850-1990 MHz - GSM 1900, PCS 1900 Systems  
1910-2170 MHz - UMTS/3G

ITG-5001

## The Global Antenna



The **Quintet™** is perhaps the most versatile cellular antenna in the world. It can be used in almost any of the existing cellular systems, will provide superior performance to externally glass mounted antennas and yet can be mounted quickly and easily inside the vehicle with no external components.

A derivation of the **Duet** and **Quadrant®** multi/ dual band products (and included in the same patents pending in Australia and elsewhere), the antenna uses stripline fed slot radiator technology with patch circuits used to introduce multi band performance. Being slightly larger than the multi band **Duet**, and **Quadrant®**, the **Quintet™** has been configured to suit not only GSM900 and GSM1800 systems but also covers AMPS, DAMPS and CDMA 800, SMR systems, PCS1900 and UMTS/3G.

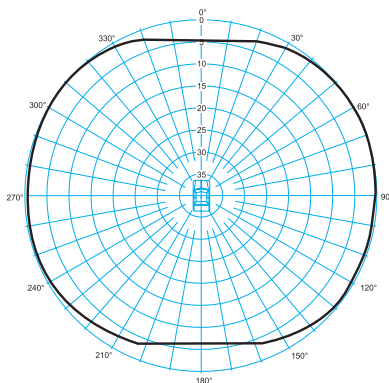
The **Quintet™** not only caters to every modern cellular system in use world wide, but also to the systems that have not yet been placed into service.

Ship the **Quintet™** to any market in the world, and the antenna can be installed quickly, easily and yet deliver incredible performance. With a unique mix of vertical and horizontal polarization (as is also shown by the cell sites themselves), the antenna can be mounted at any angle and still deliver optimum performance.

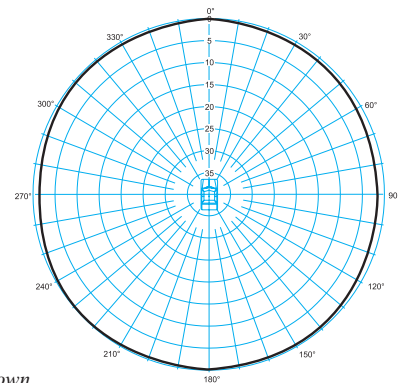
Mounted on a vehicle screen, and tested in network drive tests, the **Quintet** is rated at -1dB relative to a quarter wave, but this is some 5-6 dB better than even the best externally mounted glass mount antennas and more than 12dB better than using a portable phone in the car without an external antenna!



**Quintet** vertically placed  
H-Plane 1.795 GHz



**Quintet** vertically placed  
H-Plane - 890 MHz



*Note: Free space patterns shown*

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The **Quintet™** is truly a breakthrough. There is no performance trade-off. One antenna provides global cellular coverage (ideal for vehicle manufacturers, fleet managers or hands-free kit manufacturers, with a single item. No installation mistakes, with one antenna for every job, and a simple installation with no external parts to be fitted.

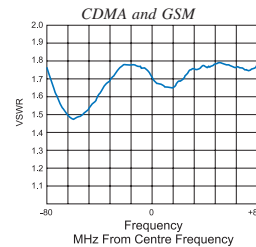
Supplied complete with mounting instructions and a pre-terminated low loss, fully shielded coaxial cable, the **Quintet™** can help reduce inventories, reduce installation costs, boost air time and deliver superior customer satisfaction in just about every cellular system in the world.

- Truly global cellular coverage. - One antenna suits all of the following systems: GSM 900, GSM 1800 (DCS 1800, PCN 1800), AMPS, TDMA, CDMA 800, SMR 800, DECT, PCS1900 (CDMA1900), UMTS/3G
- Superb performance – approaches a quarter wave antenna and easily out-performs external mounted glass mount antennas. Patent pending mixed polarity design
- Reduce inventories – one antenna suits all systems and can be shipped globally
- Completely internal – no impact on prestige vehicles, no threat of vandalism, no car wash damage and simplified installation
- Supplied ready to go with peel and stick mounting and pre-terminated, fully shielded low loss coaxial cable
- Perfect solution for private vehicles, fleet management and vehicle OEMs etc.

## Electrical

Model No.	Gain (dB) over ¼ wave	Frequency (MHz)	Max Power (Watts)	Tuned Bandwidth	Tuning
ITG5001	-1 dB (1.1 dBi)	806-890	50	Entire specified range for VSWR <2.0:1	Supplied pre-tuned
		890-960			
	2.25 dB (4.4 dBi)	1710-1880			
		1850-1990			
2.4 dB (4.5 dBi)	1910-2170				

Typical VSWR Response for **Quintet™**



## Mechanical

Model No	Construction Material	Dimensions	Mounting	Cable and Connector
ITG5001	Black ABS plastic housing	90 x 90 x 17	On glass inside vehicle. Pre-fitted with self adhesive foam tape.	Cellular feeder of 5.0m 9014 low loss, fully shielded cable terminated and FME nipple. (Adapters available)

