

PCN – Product Change Notification

Change:	A.03.B
Date:	09/11/2012
Author	Aine Doyle

Affected Products

Model# (Old)	Model# (New)	Part Number(Old)	Part Number (New)
A.03.B	A.03.C	A.03.B.1001111	A.03.C.1001111

Type of Change

- Hardware Modification
 Others

Description of Change

A Front-end SAW Filter has been added to the GPS Active Patch Module.

Reason for Change

The reasons are:

1. With more compact wireless devices, the cellular module and antenna are in closer proximity to the GPS module. GSM for example uses power levels up to 2W (+33dBm). The absolute maximum power input at the GPS receiver is typically -5dBm. In such devices an additional input filter is needed on the GPS side to prevent the high energy being radiated from the cellular system getting into the GPS. It also helps protect the LNA in the GPS antenna from burnout.
2. Assists in preventing in-band jamming. In band jamming occurs if there is another signal whose frequency is very close to the GPS frequency of 1575MHz. Such jamming signals are typically caused by harmonics from displays, micro-controller, bus systems, etc.
3. Assists in preventing out of band jamming. Out of band jamming is typically caused by signal frequencies that are different from the GPS carrier. The sources are usually wireless communication systems such as GSM, CDMA, WCDMA, Wi-Fi, BT, etc. These filters limit disruptive emissions below the noise floor near the GPS frequency.

Schedule

The Estimated Transition Date is the forecast date at which customers should be prepared to receive the changed product. The exact date depends on Taoglas stock depletion and may be affected by fluctuations in supply and demand. Taoglas will continue to ship antennas with the Old Type connector housing until inventory has been depleted. This may result in product with the Old Type connector being shipped to customers beyond the forecast Estimated Transition Date.

Forecast Estimated Transition Date

30 November 2012