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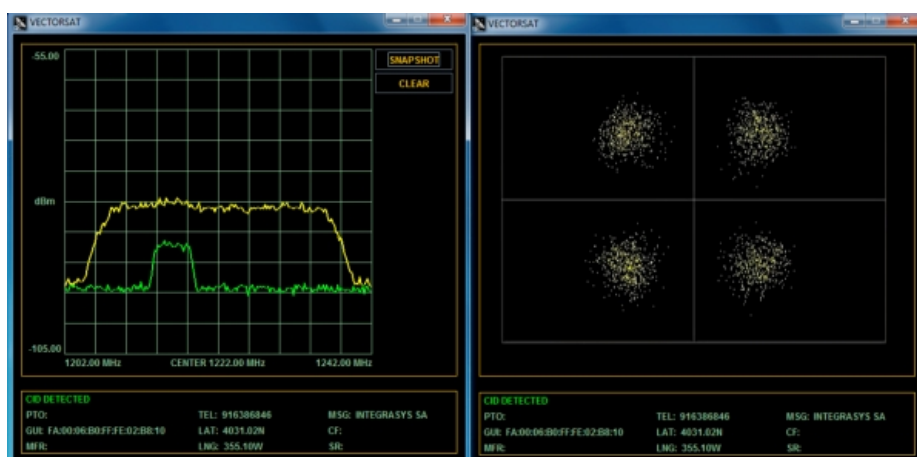
Integrasys announces carrier ID detection

(8 September 2014) Integrasys has developed support for Carrier ID (CID) interference detection on both its CMS products - on ControlSat, the fastest carrier monitoring system on the market, and the VectorSat carrier-under-carrier detection system.

The carrier ID detection new capability allow Satellite Operators to solve interference issues created by their uplinkers and adjacent satellite uplinkers without the need for Geolocation, saving time and resources.

Today, satellite operators using ControlSat and VectorSat, do not need to geolocate interference coming from Broadcasters, as the interference can be resolved by simply using CID detection as shown below.

Recently Integrasys has detected an interfering carrier coming from an Adjacent Satellite at a customer´s site. As the following image shows the information such as company, telephone and coordinates are available on the MetaCarrier and using VectorSat, our systems detect and decode the CID information fast and easy.

(courtesy: Integrasys)

VectorSat is also capable of detecting CID on a Carrier-Under-Carrier satellite interference scenario with the maximum accuracy. The screenshot shows an example, of a QPSK modulation TV transponder, which has been interfered by a hidden carrier that could not be analyzed without using VectorSat. The service has been degraded, therefore, the satellite operator has been requested to use VectorSat to help mitigate this interference.

In this case, the interference has been identified, located and solved by calling to the telephone decoded from the CID. In some interference cases the company and telephone information is not specified, therefore, when Carrier ID is detected the MAC address is always displayed. A satellite operator can search for the given MAC within its own database or, if necessary, on the SDA database (a common database for CID users) where each registered MAC is associated with a given satellite operator. This allows an operator to quickly contact the satellite operator responsible for the

customer creating problems and work with that customer to resolve the interference quickly and effectively - a simple process.

(courtesy: Integrasys)

Integrasys considers that Carrier ID is a huge success in the industry, therefore the company has been promoting this initiative with its customers and partners to help minimize satellite interference.

Today, Integrasys is the leading satellite interference prevention system manufacturer, helping to mitigate the common causes of interference by:

- Using ControlSat and VectorSat systems to monitor different types of transmissions by Broadcasters and Uplinkers;
- Using Satmotion Pocket to ensure VSAT networks are setup correctly from the start!

Integrasys has been working with IRG (Satellite Interference Reduction Group) following the CID initiative for minimizing broadcaster interference thus providing reliable transmissions for events such as the World Cup and Olympics. As Martin Coleman, Executive Director at IRG said: "Carrier ID is already having a huge impact on reducing satellite interference. As CID rolls out across the industry, being able to detect it is just as important as inclusion within the transmission. We are pleased to support this latest launch from Integrasys, which is significant and enables fast and efficient detection of CID."

Alvaro Sanchez, Sales & Marketing Manager at Integrasys said: "We are proud to be technology leaders in satellite interference minimization, and we are willing to explore new ways of minimizing interference for our customers and partners in the satellite industry".

CID is expected to be fully operational for the Olympics so Integrasys expects to have an increasing demand for CID systems over the coming year, providing better communications reliability for the TV broadcast industry.

(source: Integrasys)

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