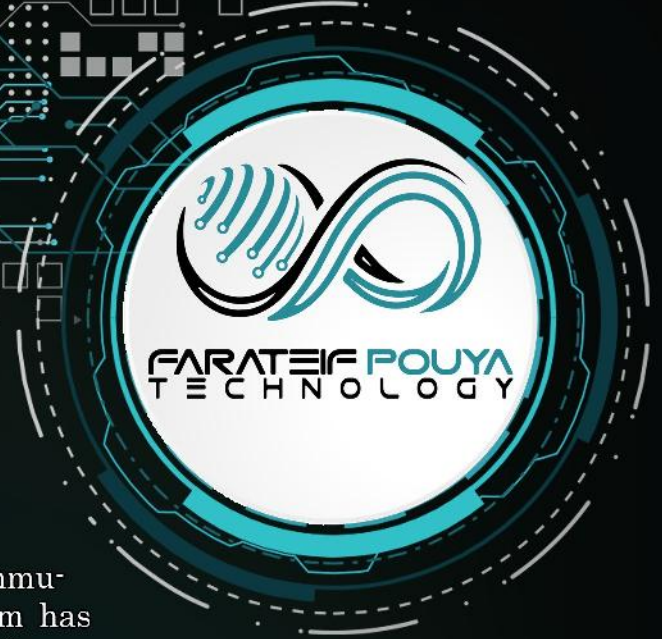


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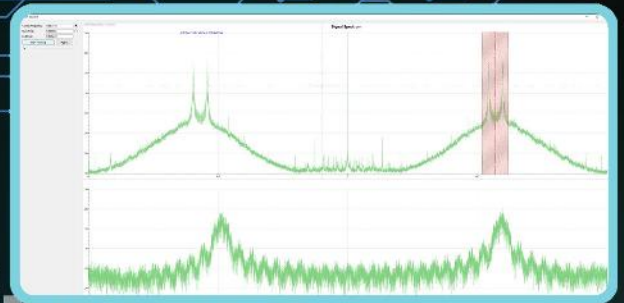
FTP-Sigint-1.0

Product Description

Due to the increasingly high number of wireless communication channels in the environment, the spectrum has become so crowded that channel demodulation has become much confusing. The need for a reliable automatic modulation recognition rises here. FTP_Sigint_1.0 is a Sigint (Signals Intelligence) system which can automatically recognize modulation, symbol rate and frequency offset.

Key Features

- Wide range of modulations supported.
- Symbol rate estimation
- Frequency offset estimation



Key Features

Sigint Spec Sheet	
Modulation Estimation	BPSK – QPSK – 8PSK – 16APSK – 32APSK – 16QAM – 64QAM – OQPSK – $\pi/2$ DBPSK – $\pi/4$ DQPSK – 2FSK – 4FSK – General FSK – MSK –
Symbol Rate Estimation	Yes
Roll off Factor Estimation	No
Frequency Offset Estimation	Yes
Suitable for Satellite Signals	Yes
Suitable for Terrestrial Signals	No

Product Details

FTP_Sigint_1.0 is a Sigint (Signals Intelligence) system which can automatically recognize modulation, symbol rate and frequency offset. The user loads the desired signal to the user interface software from a file, then selects the desired band. The Sigint searches through the available modulations for the best suited one. It reports the signal specifications i.e. modulation type, symbol rate and frequency offset. It also has the ability to process the signal and plot the constellation for more confidence on the results.

Accessories

This product processes all algorithms in the PC. The desired signal should be first stored in a text file and then loaded to the software. The user interface software is provided via a CD.

Hardware Requirements

Processor	Core-i7 or higher
RAM	16 GB at least