Forsway Saga EMS
Datasheet

Forsway

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Chapter 1. Overview

Datasheet for Forsway Saga EMS (Encapsulation and Modulation System).

The Saga EMS supports CCM and ACM encapsulation using the DVB-S2 standard.

Chapter 2. Encapsulator

2.1. Protocols

- Multiprotocol Encapsulation (MPE).
- Generic Stream Encapsulation (GSE)
- EBIS support - Generate the MPE MAC address using two fixed octets and the IP address.
- OpenTMP protocol for ACM messages.

2.2. Performance

- Maximum throughput 247 Mbit/s

Chapter 3. Modulator

- Supported standards: DVB-S2 (prepared for DVB-S2X)
- Output frequency: 32-2186 MHz
- Bandwidth: Up to 72 MHz
- Symbol Rate: 0.088 - 68.5 MSym/s
- Constellations: QPSK, 8PSK, 16APSK
- Coding: 1/2, 1/3, 1/4, 2/3, 2/5, 3/4, 3/5, 4/5, 5/6, 6/7, 7/8, 8/9, 9/10
- FEC-frame: Normal/Short
- Pilots: On/Off
- Roll-off: 5%-35%
- Output Level: -60 - 0 dBm
- RF Output Connector: SMA 50 ohm
- Monitor RF Connector: F connector 75 ohm, -15 dBm