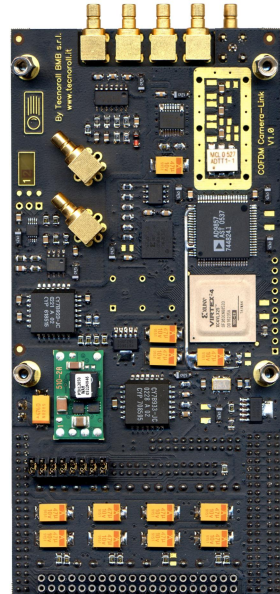




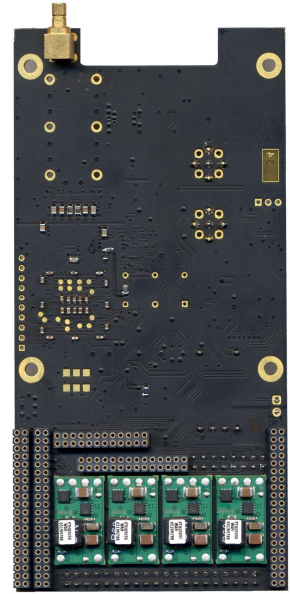
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COFDM Modulator



Front



Back

COFDM Modulator Specifications

Modulation type:	COFDM DVB-T (ETSI EN 300 744)
Channel Bandwidth:	6 – 7 – 8 MHz
Carriers:	2K – 8K
Hierarchy:	Alpha 0
Constellation:	QPSK 16QAM 64QAM
FEC:	1/2 2/3 3/4 5/6 7/8
Guard Interval:	1/4 1/8 1/16 1/32
Spectrum:	Normal / Inverted
SFN Compatibility mode:	ON / OFF (packet signature for compatibility with DVB-T SFN distribution networks)
PCR Restamper:	ON / OFF
Shoulder Digital filters:	ON / OFF
Output Frequency:	0-120 MHz (Internal DDS)
Output Level:	-20 dBm typical
MER:	>48 dB typical

General Specifications

Data input:	SPI / ASI
Power Supply:	5Vdc (12Vdc optional)
Power Consumption:	4W
Board Temperature Range:	from 0 to 70° C
Storage Temperature Range:	from -20 to +85° C
Dimensions:	142 x 70 x 10 mm
Configuration:	Realtime Configuration through Synchronous Serial Port (LVTTTL)
Weight:	85 gr

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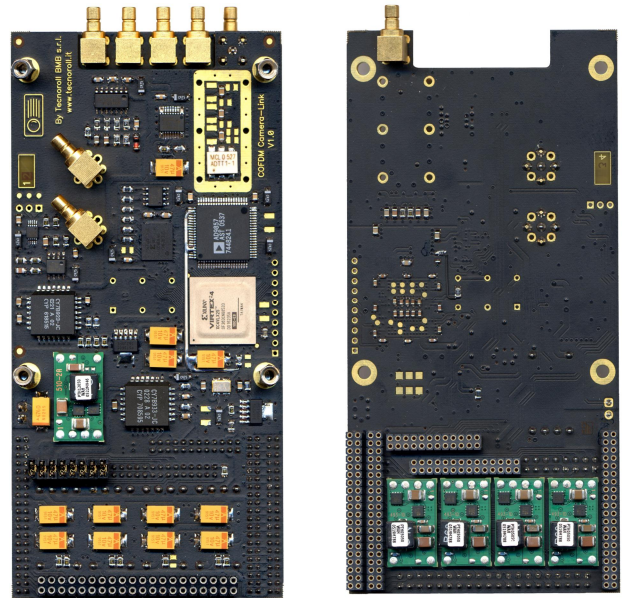


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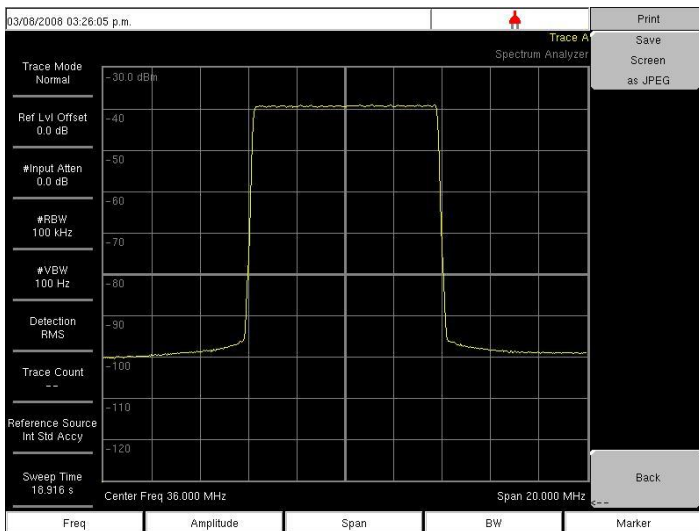


Front

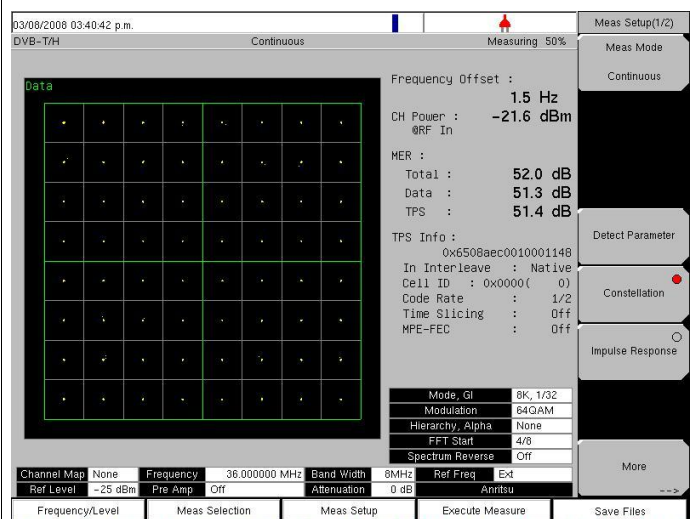
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COFDM Modulator

COFDM Modulator Screenshot



Spectrum Output



MER Analysis

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