





Product Line Card 2019

Systems		Modules				
						
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Interfaces</b>	<b>4T2-Portable</b> (4+1 slots available) yes yes optional yes optional	<b>4T2-Rack</b> (4+1 slots available) yes yes optional yes optional	<b>4T2 broadcast multi probe 3000</b> (2 slots available) yes yes optional yes optional	<b>4T2 broadcast multi probe 1000</b> yes yes optional yes optional	<b>XTASI-RF</b> yes  (46.5..870) MHz	<b>XTASI-ASI In</b> yes XTASI-ASI in
<b>Demodulation</b>	<b>Standard</b> Frequency Range Level MER EVM SNR CSI CS, PJ, AI, QE, STEM, STED Frequency offset Bitrate offset Mode, GI, CR, TPS, Cell ID	<b>DVB-T/T2</b> (46.5..870) MHz -85 dBm .. +3dBm /50 Ohm 42 dB (± 1) 0.6 % (± 0.3) 42 dB (± 0.5) 1 % (± 0.2) measured 3 Hz (± 0.5) oven+ext Ref. 0.1 bit/s (± 0.2) displayed	<b>DVB-T/T2</b> (46.5..870) MHz -85 dBm .. +3dBm /50 Ohm 42 dB (± 1) 0.6 % (± 0.3) 42 dB (± 0.5) 1 % (± 0.2) measured 3 Hz (± 0.5) oven+ext Ref. 0.1 bit/s (± 0.2) displayed	<b>DVB-T/T2</b> (46.5..870) MHz -85 dBm .. +3dBm /50 Ohm 42 dB (± 1) 0.6 % (± 0.3) 42 dB (± 0.5) 1 % (± 0.2) measured 3 Hz (± 0.5) oven+ext Ref. 0.1 bit/s (± 0.2) displayed	<b>DVB-T/T2</b> (46.5..870) MHz -85 dBm .. +3dBm /50 Ohm 42 dB (± 1) 0.6 % (± 0.3) 42 dB (± 0.5) 1 % (± 0.2) measured 3 Hz (± 0.5) oven+ext Ref. 0.1 bit/s (± 0.2) displayed	<b>DVB-T/T2</b> (46.5..870) MHz 800 mVpp /75 Ohm 42 dB (± 1) 0.6 % (± 0.3) 42 dB (± 0.5) 1 % (± 0.2) measured 3 Hz (± 0.5) oven+ext Ref. 0.1 bit/s (± 0.2) displayed
<b>Error Rates</b>	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII	<b>Results</b> BER pre Viterbi, pre/post Reed Solomon (DVB-T) BER pre LDPC, pre/post BCH (DVB-T2) multi-graph with automatic averaging logfile as csv ASCII
<b>Spectrum</b>	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level	<b>Displays / Functions</b> Zoom Markers Export functions Spectrum Masks Resolution Bandwidths Video Bandwidths Memory Dynamics Frequency Level
<b>Impulse Response</b>	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy
<b>CCDF</b>	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy
<b>Group Delay</b>	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy	<b>Displays</b> Zoom Memory Markers Results / accuracy
<b>Coverage Analysis</b>	<b>Displays</b> Channels	<b>Displays</b> Channels	<b>Displays</b> Channels	<b>Displays</b> Channels	<b>Displays</b> Channels	<b>Displays</b> Channels
<b>Demodulation</b>	<b>Standard</b> Frequency Range Level SNR Bit Errors Eb/NO, Es /NO Tx Parameters	<b>DVB-S/S2(x)</b> (950 .. 2150) MHz -69 dBm .. -23dBm /75 Ohm 30 dB (± 1) yes yes yes	<b>DVB-S/S2(x)</b> (950 .. 2150) MHz -85 dBm .. +3dBm /50 Ohm 30 dB (± 1) yes yes yes	<b>DVB-S/S2(x)</b> (950 .. 2150) MHz -85 dBm .. +3dBm /50 Ohm 30 dB (± 1) yes yes yes	<b>DVB-S/S2(x)</b> (950 .. 2150) MHz -85 dBm .. +3dBm /50 Ohm 30 dB (± 1) yes yes yes	<b>DVB-S/S2(x)</b> (950 .. 2150) MHz -85 dBm .. +3dBm /50 Ohm 30 dB (± 1) yes yes yes
<b>MPEG Transport Stream</b>	Analysis of MPEG-TS PAT, PMT Program Association, and Map Tables Analysis of DVB-, or ATSC-specific Service Information (CAT, SDT, EIT, NIT, TOT, TDT), (MGT, STT, TVCT, EIT, ETT) Analysis of DVB T2-MI Modulator Interface (DVB-T2) Analysis of DVB-T MIP Megafame Initialisation Packets (DVB-T) Visualisation of PID Packet Identifiers, associated bit-rates, and bit-stuffing; bit rate logging Raw data analysis with smart packet-trigger, and bit dependencies checking Smart Packet trigger with expression editor Visualisation of time repetition intervals of tables as defined in TR.101.290 TR.101.290 analysis and visualisation of first, second, and third priority errors Measurement of PCR Program Clock Reference jitter Multi-Viewer content decoding, including MPEG-4, H.264 and H.265 SD/HD/UHD material, GOP structure display Loudness measurement on audio services Detection of black/freeze conditions on services in the transport stream Detection of audio mute condition on services in the transport stream Comprehensive logging features with powerful sorting capabilities Registration of Transport Stream in presence of errors (with history) Simultaneous measurements on different Transport Stream sources (multiple instances of the program run at the same time) Automated scanning algorithm with time scheduler and xml database output Scripting based Alarm and Report function – Relay interface available Remote capability with full SNMP support following the DVB MIB, including Traps					
<b>Special Features</b>	power sensor support vehicle power adaptor GPS Receiver Common Interface	display and relay interface (option) power sensor support vehicle power adaptor GPS Receiver Common Interface	spectrum analyser / tracking generator power sensor support vehicle power adaptor GPS Receiver Common Interface	display and relay interface (option) power sensor support vehicle power adaptor GPS Receiver	power sensor support vehicle power adaptor GPS Receiver	power sensor support vehicle power adaptor GPS Receiver
<b>PC configuration</b>	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System	<b>Motherboard</b> CPU RAM Disk Display Audio Interconnection Input devices Network Operating System
<b>Mechanical</b>	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock	<b>Dimensions (w x h x d)</b> Weight Power Supply Operating Temperature Storage Temperature Relative Humidity Shock

Application Scenarios	recommended features	available in ABC product	Application Scenarios (contd)	recommended features	available in ABC product
<b>Headend</b>	TS over IP input ASI input T2-MI H.265, H.264 Monitor Wall	1, 2, 3, 4, 5, 6	<b>Coverage</b>	Off-air RF-input Field Strength Conversion Calibrated Antenna Map Display kml export multiple channels	1, 2, 3, 4, 5
<b>Transmitter setup and maintenance</b>	DVB-T/T2 terrestrial RF-input MER, MER vs Carriers Shoulder distance Frequency Offset	1, 2, 3, 4	<b>Monitoring</b>	SNMP remote control DVB-MIB Monitor Wall	1, 2, 3, 4, 5, 6
			<b>DSNG</b>	DVB-S/S2 satellite RF-input Content Decoding	1, 2, 3