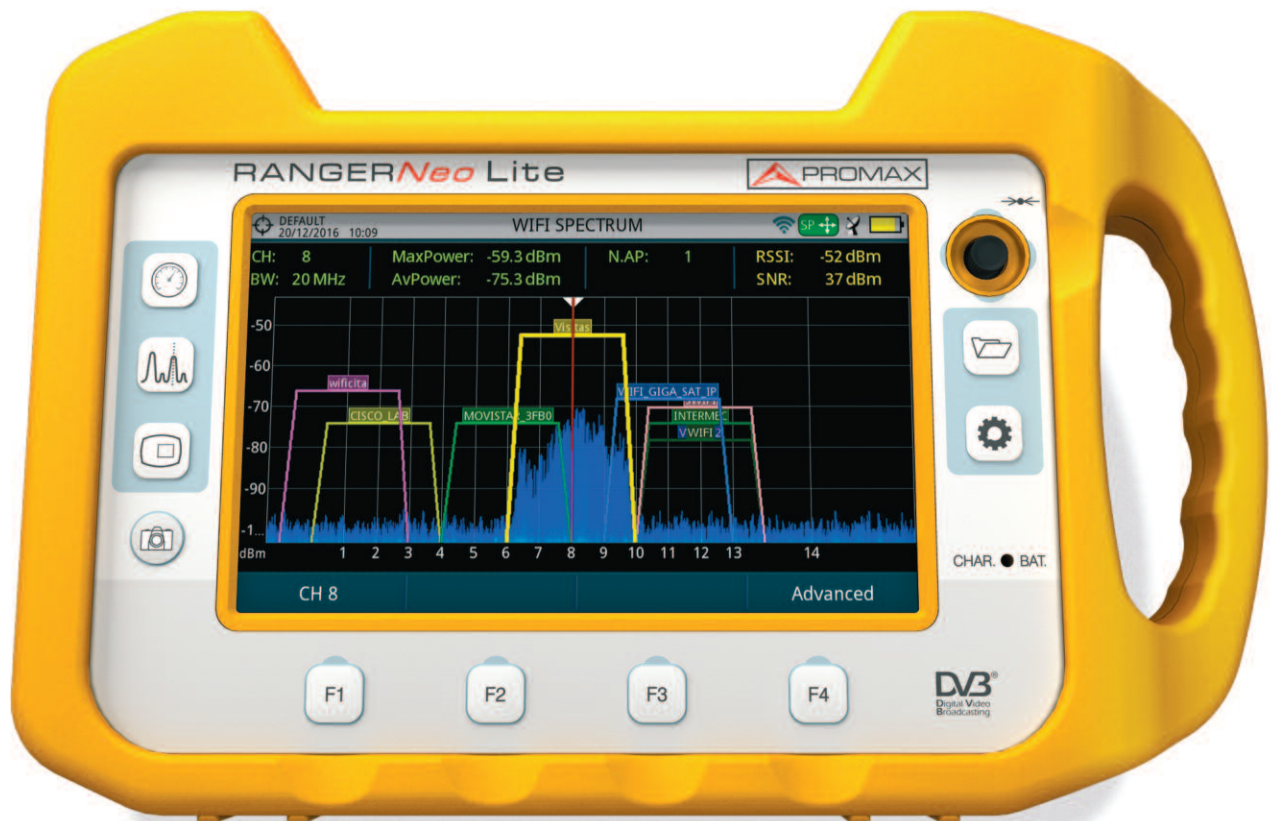




A NEW STANDARD IN FIELD STRENGTH METERS

TV, CABLE, SATELLITE & WIFI ANALYSER

RANGER **Neo** Lite



EASY OPERATION

Hybrid user interface
(touch + keyboard)



HEVC H.265

High Efficiency Video
Codec



WIFI ANALYSER

Dual display:
SPECTRUM and DATA



WIDEBAND LNB

The entire SAT band
on a single SPAN

HEVC H.265 DECODING

High Efficiency Video Codec

RANGER Neo Lite is the new industry-standard in field strength meters and TV analysers. It is capable to offer HEVC signal demodulation compatible with the new DVB-T2 broadcast signals.



LIGHT WEIGHT
1.6 KG



TRIPLE SPLIT
DISPLAY



ULTRA FAST
SPECTRUM



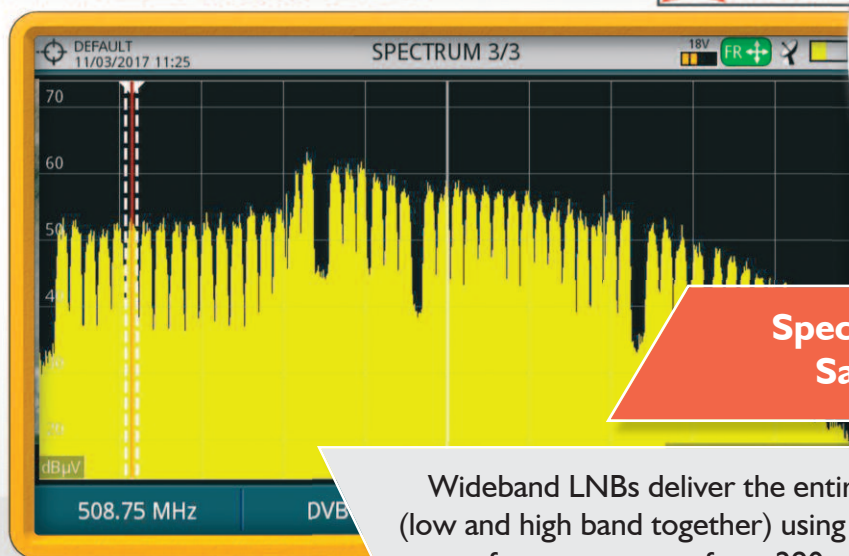
FREE FIRMWARE
UPDATES

Field strength meter for the HDTV era

wbLNB COMPATIBLE

RANGER **Neo** Lite

PROMAX



Spectrum analyser from 5 to 2500 MHz
Satellite band from 250 to 2350 MHz

Wideband LNBs deliver the entire Vertical and Horizontal satellite polarities (low and high band together) using two separate RF cables and an extended IF frequency range from 290 to 2,340 MHz. **Is your analyser prepared?**

DCSS LNBs

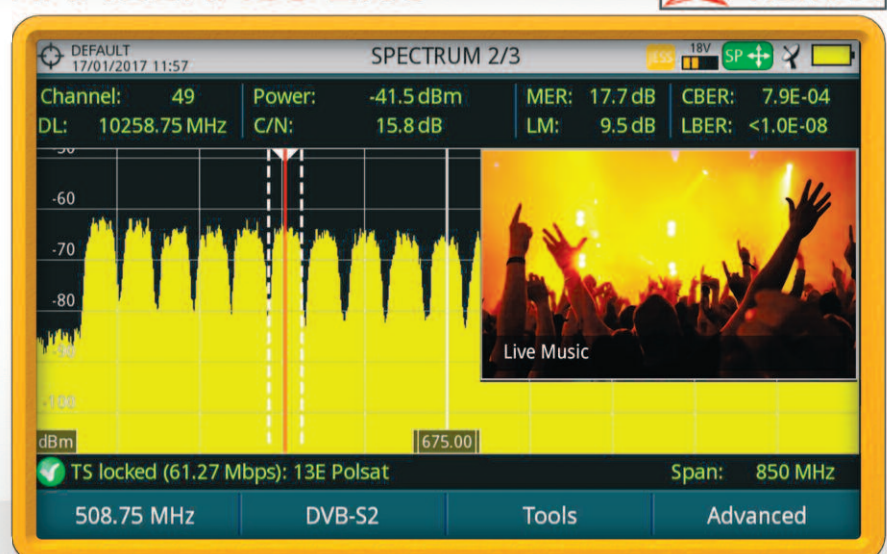
Digital Channel Stacking Switch satellite LNB

Digital Channel Stacking Switch LNB can support several users on a single cable distribution system by allocating specific user bands for each of them. It is not possible to work with this type of LNB unless your field strength meter can communicate using EN50494 and EN50607 standard protocols.

This is the case of **RANGER Neo Lite** which also covers JESS and SATCR.

RANGER **Neo** Lite

PROMAX



Be ready for the future

2.4 GHz WiFi ANALYSER

Improve your networks performance

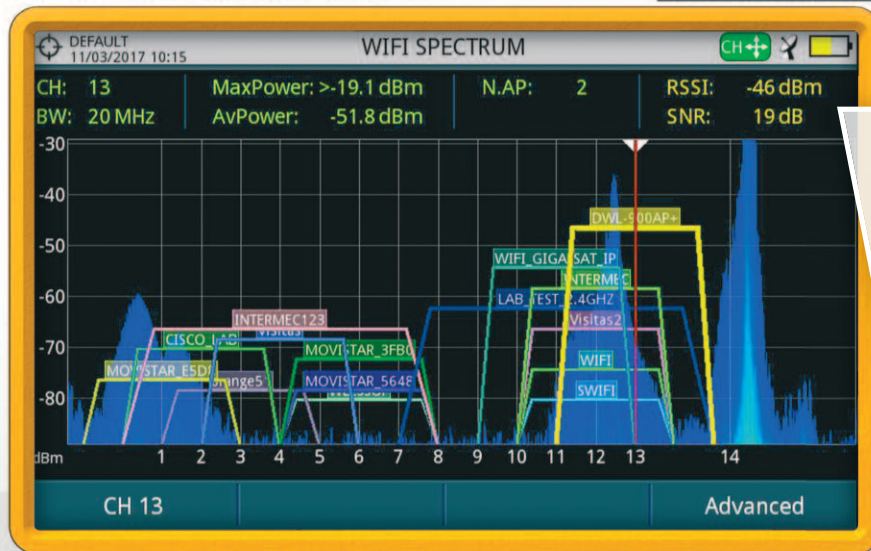


Your analyser for the new world

2.4 GHz WiFi ANALYSER

Improve your network performance

RANGER **Neo** Lite



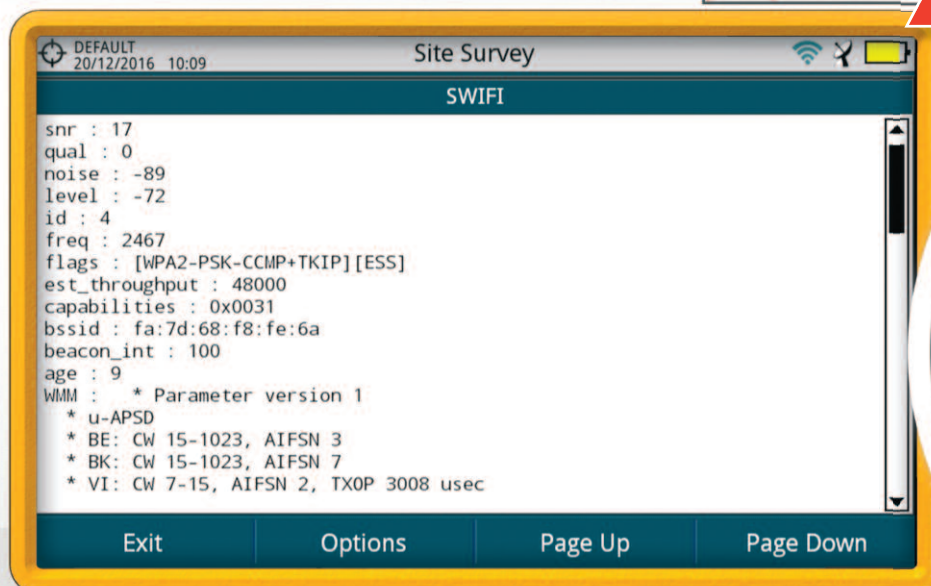
Simultaneous real spectrum analyser information + WiFi access point data

WiFi signals can be disturbed by interference from other WiFi stations, for example other access points, but also from non-WiFi signals such as wireless CCTV cameras or, like in the picture, a microwave oven! **RANGER Neo Lite** can display both simultaneously.

RANGER Neo Lite shows convenient information from the access points such as SSID, RSSI, SNR, security information, etc. It also indicates the number of access points per channel.

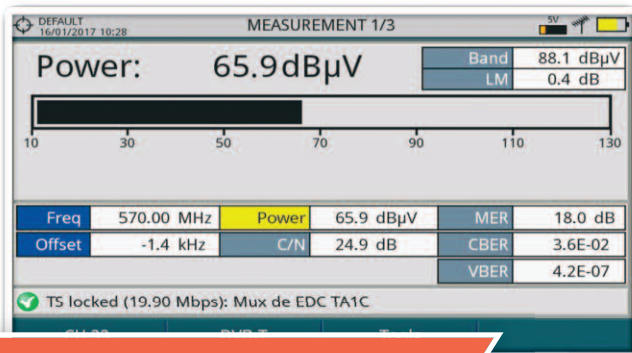


RANGER **Neo** Lite



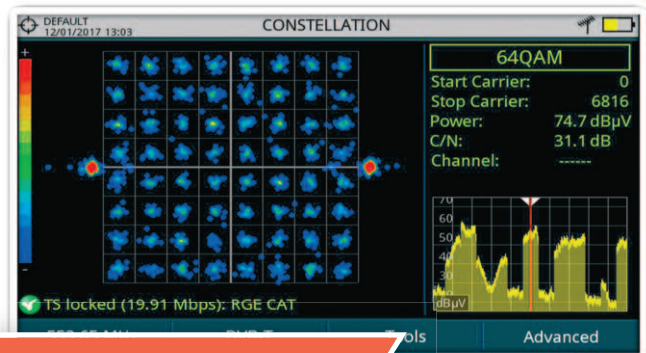
Enjoy a wide variety of functions

MANY USEFUL FUNCTIONS



Simultaneous measurements

More computing power for real-time measurements displayed on a single screen.



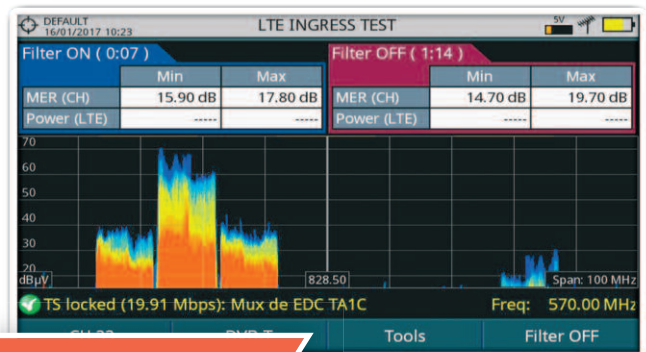
Constellation diagram

Detect signal impairments at a glance. The more disperse the points are, the worse.



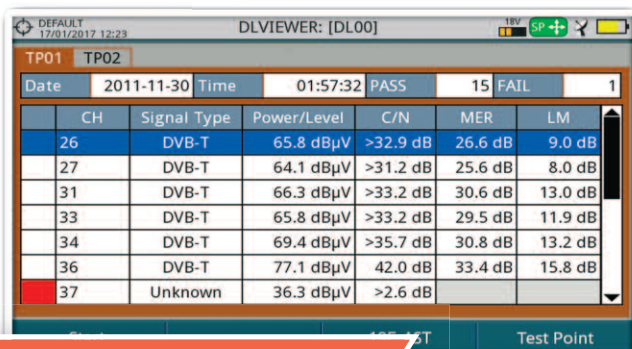
Dynamic echoes

A must-have utility for testing DVB-T, DVB-T2 and DVB-C2 networks.



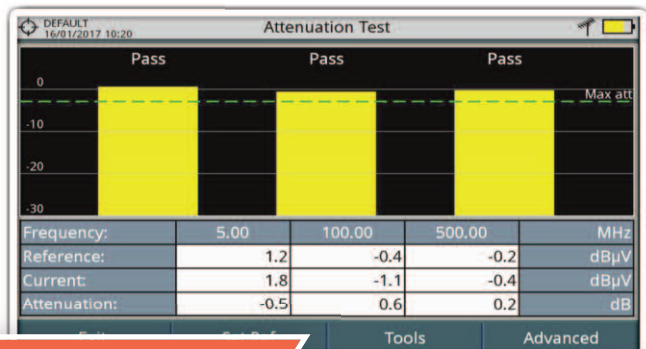
LTE ingress test

Should you install an LTE filter? Test your TV distribution system.



Datalogger and Test&Go

Collect data for your reports faster and easier using the auto-setup Test&Go.

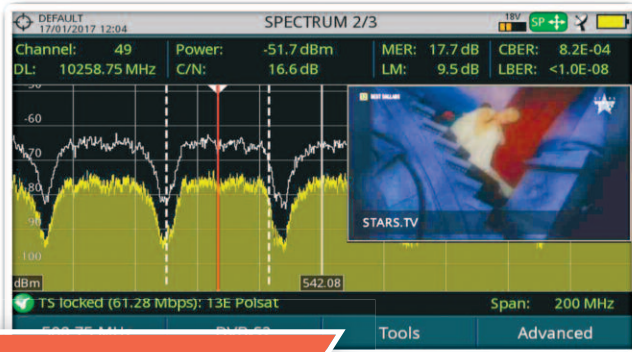


Attenuation test

Test the frequency response of your installation using RP-050, RP-080, RP-110B signal generators.

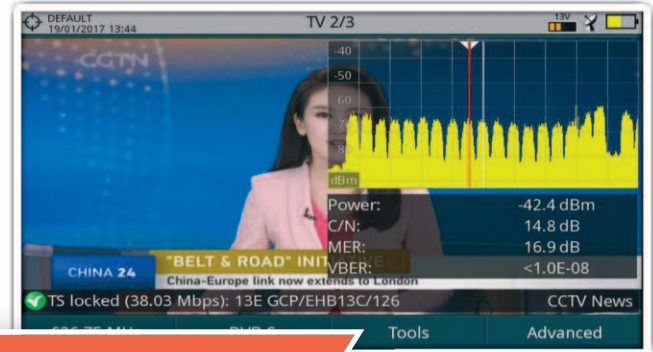
Fast and accurate spectrum analyser

PROFESSIONAL SPECTRUM ANALYSER



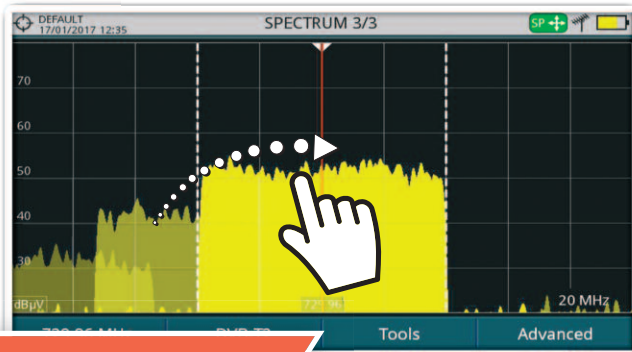
Reference traces

Freeze the spectrum graph and compare it with the running trace.



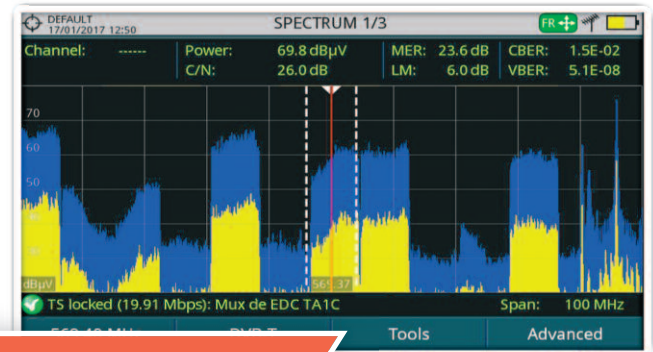
Triple split display

Say goodbye to switching between TV, measurements and spectrum modes.



Touch screen

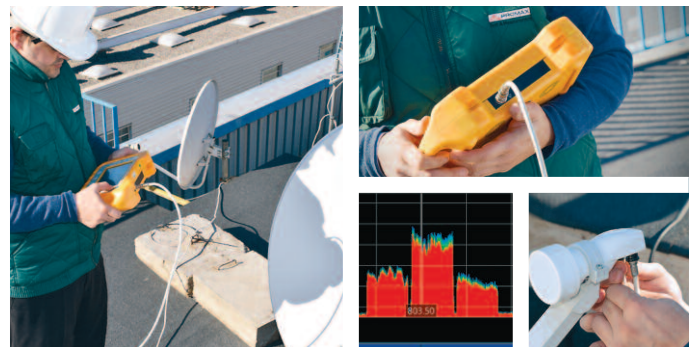
Place the marker on any channel and move the trace using your finger.



MIN and MAX hold

Display them separately or simultaneously along with the current spectrum trace.

RangerNeo Lite has even more functions. Check our website for more information!



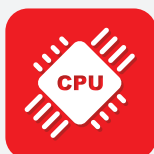
A new breed of analysers for a new world



5 GOLDEN RULES
to choose your next
FIELD STRENGTH METER



Professional



Power



Battery life



Ergonomics



Functions



HD RANGER Eco



HD RANGER UltraLite



RANGER Neo Lite

	HD RANGER Eco	HD RANGER UltraLite	RANGER Neo Lite
Digital inputs	DVB-T/C/S DVB-T2/C2/S2 DOLBY DIGITAL PLUS	DVB-T/C/S DVB-T2/C2/S2 DOLBY DIGITAL PLUS	DVB-T/C/S DVB-T2/C2/S2 DOLBY DIGITAL PLUS
H.265 HEVC			✓
H.264 MPEG-4 MPEG-2	✓	✓	✓
Touch screen			✓
LCD size	7"	7"	7"
Wideband LNB			✓
2.4 GHz WiFi analyser			✓
Datalogger	✓	✓	✓
Ultra fast spectrum	✓	✓	✓
Triple split display	✓	✓	✓
Constellation diagram	✓	✓	✓
Dynamic echoes analysis	✓	✓	✓
HDMI output			✓
Video input	✓	✓	✓



OPTIONAL



INCLUDED

Applications



Aerials, residential, MDUs, FSM, LTE interference



DTH, VSAT, TI, TVRO, earth station



Outside broadcasting (OB Vans), SNG, Flyaway



Headend and network installation. Subscriber outlet test.



Home network, commercial, point to point

A new breed of analyzers for a new world



RANGER Neo 4 RANGER Neo 3 RANGER Neo 2 RANGER Neo + RANGER Neo Lite HD RANGER UltraLite HD RANGER Eco

- ✓ Included
● Optional

- ALL VERSIONS
■ DVB MODELS ONLY
■ ISDB-T MODELS ONLY
■ ATSC MODELS ONLY

4K decoder	✓						
HEVC H.265 decod. + 4K Frame Grabber	✓	✓	✓	✓	✓		
MPEG-2 and MPEG-4 H.264 decoder	✓	✓	✓	✓	✓	✓	✓
Touch screen	✓	✓	✓	✓	✓		
Wide band LNB Compatibility (wbLNB)	✓	✓	✓	✓	✓		
2.4 GHz Wi-Fi analyzer	✓	✓	✓	✓	✓		
1.8 GHz LTE	✓	✓	✓	✓	✓		
OTT	✓	✓	✓	✓	✓		
Service recording	✓	✓	✓	✓	✓	✓	
HDMI output	✓	✓	✓	✓	✓		
Video/Audio input	✓	✓	✓	✓	✓	✓	✓
USB interface	2x Type A	2x Type A	2x Type A	2x Type A	2x Type A	1x Mini USB	1x Mini USB
Battery time	> 4 hours	> 4 hours	> 4 hours	> 4 hours	> 2 hours	> 2 hours	> 2 hours
Resolution filter 100 kHz	✓	✓	✓	✓	✓	✓	✓
Resolution filters 200 kHz, 1 MHz	✓	✓	✓	✓		✓	
Resolution filters 2, 10, 20, 30, 40 kHz	✓	✓	✓				
Echoes analysis	✓	✓	✓	✓	✓	✓	✓
Constellation diagram	✓	✓	✓	✓	✓	✓	✓
Web server and Video/Audio Streaming	✓	✓	✓	✓			
Spectrogram and Merogram	✓	✓	✓	✓			
MER by carrier	✓	✓	✓	✓			
SCAN + TILT	✓	✓	✓	✓			
IPTV analyzer	✓	✓	✓				
TS-ASI input and output	✓	✓	✓				
TS analysis and recording	✓	✓	✓				
Common Interface (encrypted channels)	✓	✓	✓				
Shoulder attenuation measurement	✓	✓	✓				
T2-MI	✓	✓					
Network delay Margin	✓	✓					
GPS for drive test	✓	✓	●	●			
DAB/DAB+ digital radio	✓	✓	●	●			
5 GHz WiFi + 2.6 GHz LTE + 6 GHz RF in	●	●	●	●			
Optical measurements							
and optical to RF converter	●	●	●	●			
ATSC standard			✓	✓	✓		
ISDB-T standard			✓	✓	✓		
DVB-T/T2 standard	✓	✓	✓	✓	✓	✓	✓
DVB-S/S2, DSS and ACM/VCM standards	✓	✓	✓	✓	✓	✓	✓
DVB-C standard	✓	✓	✓	✓	✓	✓	✓
DVB-C2 standard	✓	✓	✓	✓	✓	✓	✓
QAM annex B standard			✓	✓	✓		
PSIP analysis			✓				
Closed Caption			✓				