CX300 Software Release Notes

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Version 1.2.0

Date 10/13/2022

New Features
1. Added TETRA BS T1 Parametric Test as an available option.
2. Added TETRA MS T1 Parametric Test as an available option.
3. Added language support for Simplified Chinese (standard).
4. Added Auto-Test and Alignment application as an available option:
   a. ICOM P25 Series

Improvements
1. Improved boot time – reduced total boot time to less than 3 ½ minutes.
2. Reduced tab switching time in UI to improve user experience and operational performance.
3. Refactored side menu and full menu to improve operational performance.
4. Improved UI layout of quickbar to make using features like Frequency List, Frequency Find, and Normalize easier to access.
5. Added cable loss selection to Auto-Test.
6. Added Auto-Test software application version to system menu.
7. Wi-Fi password is now retained through reboots of the box.
8. Pinned keypad now updates real time when using the slider widget.

Fixes
1. Resolved an issue in P25 and DMR where signal level was reading high.
2. Fixed an issue with DMR power meter reading inconsistently.
3. Resolved an Auto-Test bug where the AutoGen report function was not creating a report for the last run.
4. Updated user manuals with CX300 guides and instructions.
5. Resolved an issue where Constellation Plot would intermittently lose synchronization.
6. Fixed an issue where DMR stored speech waveforms were not decoding properly.
7. Resolved an issue where the VNA could become uncalibrated after a reboot.
8. Fixed an issue with power profile levels potentially reading inaccurately.
9. Numerous other fixes.

Stay Connected
To help you stay informed of Radio Test Set Updates, please sign up for notifications at https://comms.viavisolutions.com/Software-Update-Notifications.
For suggestions or feedback, contact us at avcomm.sales@viavisolutions.com.

Version 1.1.0

Date 7/27/2022

New Features
1. Added DMR as an available option.
2. Added 1-port VNA for Cable and Antenna Analysis.
3. Added support for external Bird Wideband Power Sensor.
4. Added SCPI compliant Remote Command Interface.
5. Added Auto-Test and Alignment applications:
   a. Motorola MOTOTRBO™ Series
   b. TAIT DMR Series (Test Only)
   c. L3Harris P25 Series
   d. Kenwood NX-X000 Series
   e. BK KNG Series
6. Added Frequency Find functionality allowing you to quickly and easily find the frequency of your radio.
7. Added horizontal markers to the Oscilloscope, Channel Analyzer, and Spectrum Analyzer.
8. Added VIP Tool™ capability.

Improvements
1. Improved overall operation of Tone Signalling applications including: Two Tone, Tone Sequential, and Tone Remote.
2. Increased touch area for some UI elements to improve touchscreen experience.
3. Removed Communication Test from the tab name, leaving only Analog, P25, Auto-Test, etc. This allows you to see the full name of the tab when using multiple tabs.
4. Increased Resolution Bandwidth on the Spectrum Analyzer to 6 MHz.
5. Level offset indicator now appears on all applicable metering.
6. Increased resolution on SINAD meter.
7. Updated SNR notch frequency limits.
8. Increased Top of Scale for Audio Analyzer.
9. Updated RF Power meter and Signal Power meter limits.

Fixes
1. Resolved an issue that occurred while creating Auto-Test reports.
2. Fixed an issue where switching tabs would not preserve cable settings.
3. Addressed an issue where saved set-ups were not saving and recalling cable loss.
4. Fixed an issue with Occupied Bandwidth not providing accurate measurements.
5. Resolved an issue where when running an APX™ Auto-Test while using a Virtual Network Computing (VNC) application, it would abort the VNC session.

6. Fixed an issue in Auto-Test where the unit was not providing an audible "beep" (when enabled) at the end of the test, signalling the end user the test was complete.
7. Resolved a level issue on the RF Output port in P25 mode for levels below -115 dBm.
8. Addressed an intermittent issue where the "Right Peak" function for the markers in Channel Analyzer would not work properly.
9. Resolved an issue where saving a P25 set-up with a NAC other than 293 caused issues on other tabs.
10. Fixed an issue that erased markers when going from a maximized plot to a minimized plot, then maximizing again.
11. Resolved an issue with Record and Playback where recording appeared to stop before the selected time had elapsed.
12. Fixed an issue where generate level in LSM was slightly low when transitioning from C4FM.
13. Fixed audio routing defaults in Analog Tx Test.
14. Numerous other fixes.

Version 1.0.2

Date 5/17/2022

New Features

1. Addition of three new Auto-Test and Alignment applications.
    a. Kenwood Viking Series (P25)
    b. L3Harris XL Series (P25)
    c. Tait 9400 / 9600 Series – Test Only (P25)

Improvements

1. Improved DANL performance – updated data sheet with new specs:
    a. 900 MHz: <-146 dBm (0 dB attenuation), -162 dBm (preamp)
    b. 1000 MHz: <-142 dBm (0 dB attenuation), <-160 dBm (preamp)

Fixes

1. Fixed an Auto-Test issue where a failure would occur while running Phase II Tx parametric test in the 700 MHz band.
2. Resolved an issue with cable loss where it would not allow you to change cables if you had previously selected a cable.
3. Fixed an issue where if you manually entered a cable loss value it would default back to zero.