Firmware Release Note

Equipment : RWC2010C, Digital Radio Tester

Revision History

Version	Date	Description

Version 1.020	30 Oct.2023	1. The EON_PTY parameter is added to signal to the receiver the start of a programme item carrying a NEWS, WEATHER or ALARM announcement in FM RDS.
		2. The DLS character set parameter was not initialized in DAB mode. The DLS function might not work correctly.
		3. Add the remote commands to read audio analyzer waveform data.
		   - READ:AUDIO:SCOPE_WAVE_L?
		   - READ:AUDIO:SCOPE_WAVE_R?
		   - READ:AUDIO:SPECTRUM_WAVE_L?
		   - READ:AUDIO:SPECTRUM_WAVE_R?
		4. Packet BER pattern data was changed to be the same as that of the R&S equipment.
		5. To prevent audio interruption when changing the mp2 content file, initialization of related system parameters is minimized.
		6. In FM Wave mode, audio distortion occurred due to an audio buffer index error, so this was improved.

Version 1.010	10 Aug.2023	1. In DRM mode, the OFDM window function was incorrectly applied, creating a spurious signal in the spectrum. This bus is fixed. 2. There was an issue with editing the dBuV power parameter. This bug has been fixed. 3. Fixed an issue where the signal was disconnected during DRM+ transmission. 4. Added quasi-peak detector function to Audio Analyzer. 5. Added Path_loss Parameter. 6. Added PKT_BER mode for DAB components. It sends packet data in an all-zero or all-one pattern. 7. One normal label on/off and one extended label on/off parameters are applied to all services and service components. It is separated into all services and service components for independent control.

		8. Add remote command for announcement support parameter. [CONF:DAB:FUNCTION:AN_SUPPORT, READ:DAB:FUNCTION:AN_SUPPORT?]
		9. Added "FREQ_RANGE_EXT" parameter to the system screen to allow settings outside frequency specifications.
		10. Change the name of the "POWER" parameter to "POWER [EXT AMP ON]" when the external AMP setting is ON.
		11. Added the UTF_16 encoding parameter for the LABEL, DLS and TEXT.
		12. Added parameter for remote command delimiter option to select delimiter among LF, LR, LF+LR.
		13. Fix the bug in "CONF:SETUP:TESTER_MODE" remote command. It couldn't change between AM and FM modes
		14. There was a memory overflow problem when adding more than 30 services to DAB Ensemble, so it was fixed.
		15. The DLS tag information in DAB was set to an invalid value. It is Fixed.
		16. The EON_AF parameter is set to an incorrect value in FM RDS. It is fixed.
		17. There was a problem that the magnitude of the OFDM symbol changes during DRM+ transmission, so it was corrected.