



Software Release Notes – R5700 Firmware Version 1.1.0

29 May 2019

Contents

1Introduction	2
2Fixed Defects.....	2
3New Features	2
4Known Issues and Limitations	2

1 Introduction

This document describes version 1.1.0 of the firmware for the ThinkRF R57x0 family of real-time spectrum analyzers. This firmware is ThinkRF part number 55-0035, dated 29 May 2019.

This product is distributed as a single binary file, *ThinkRF_R5700_firmware_v1-1-0.img*.

This version of the R5700 firmware is compatible with all ThinkRF R57x0 products, including R5700 (all models) and R5750 (all models).

2 Fixed Defects

The following defects have been fixed in this version:

1. The GNSS module is now properly initialized at system startup.
2. An error was fixed that caused invalid self-signed SSL certificates to be generated.
3. The “*RST” command now causes the PPS reference to revert to GNSS. The SCPI command “:SOURCE:REFERENCE:PPS” can now be used to change this setting.
4. The SCPI commands “:TRACE:BLOCK:PACKETS? MAX” and “...MIN” now take into account DD mode, decimation and frequency shift.

3 New Features

The following new features and capabilities were added to this version.

1. Four new SCPI commands were added – two to control GNSS antenna delay (“GNSS:ADELAY?” and “GNSS:ADELAY”) and two to control constellation selection (“GNSS:CONStellation?” and “GNSS:CONStellation”). See the programmer’s guide for further details.
2. The R5750 products are now supported
3. This version includes all features and fixes from R5500 firmware v1.6.1, so these two versions are now equivalent.
4. SCPI block transfer commands were added, to allow storage of correction data that supports spectral flattening in the APIs.

4 Known Issues and Limitations

No known issues or limitations.

Document Revision History

This section summarizes document revision history.

Document Version	Release Date	Revisions and Notes
v1.0	2019-05-29	First release for firmware v1.1.0.

Contact us for more information

ThinkRF Support website provides online documents for resolving technical issues with ThinkRF products at <http://www.thinkrf.com/resources>.

For all customers who hold a valid end-user license, ThinkRF provides technical assistance 9 AM to 5 PM Eastern Time, Monday to Friday. Contact us at <https://www.thinkrf.com/support> or by calling **+1.613.369.5104**.

© 2018 ThinkRF Corporation, Ottawa, Canada, www.thinkrf.com

Trade names are trademarks of the owners.

These specifications are preliminary, non-warranted, and subject to change without notice.