Tracker 1 User Manual

Module description

Programming port interface description

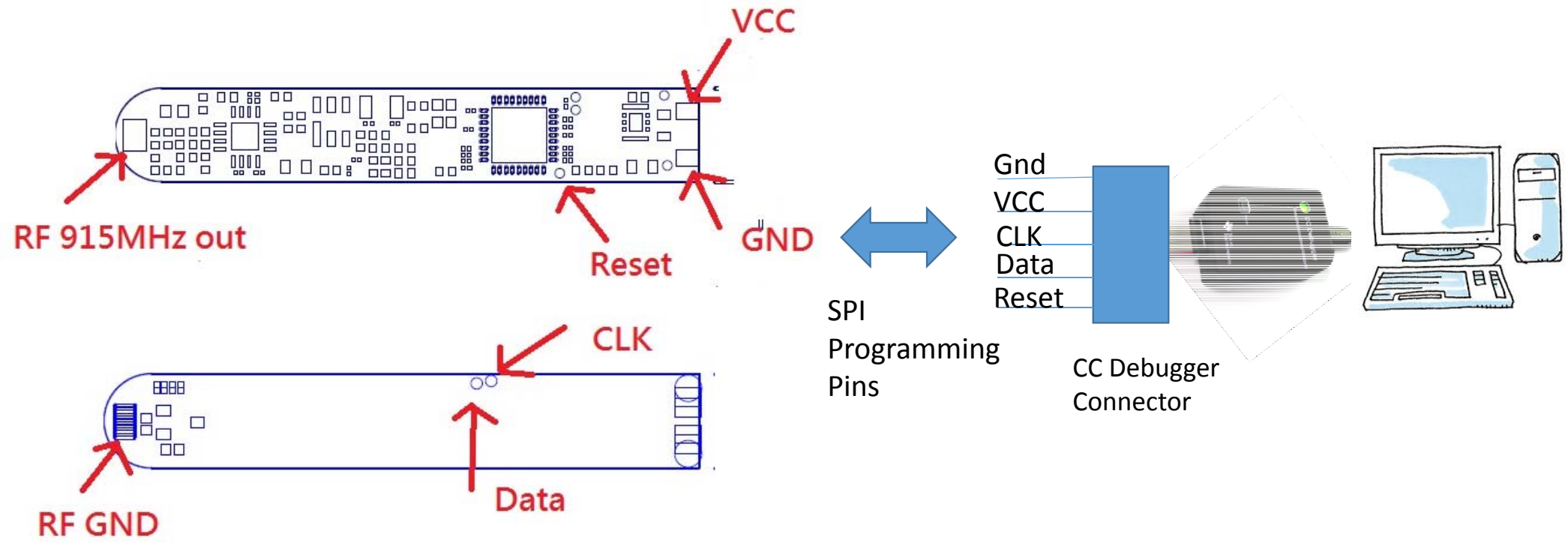
Down Loading code description

Exclusive Application Platform Description for Module

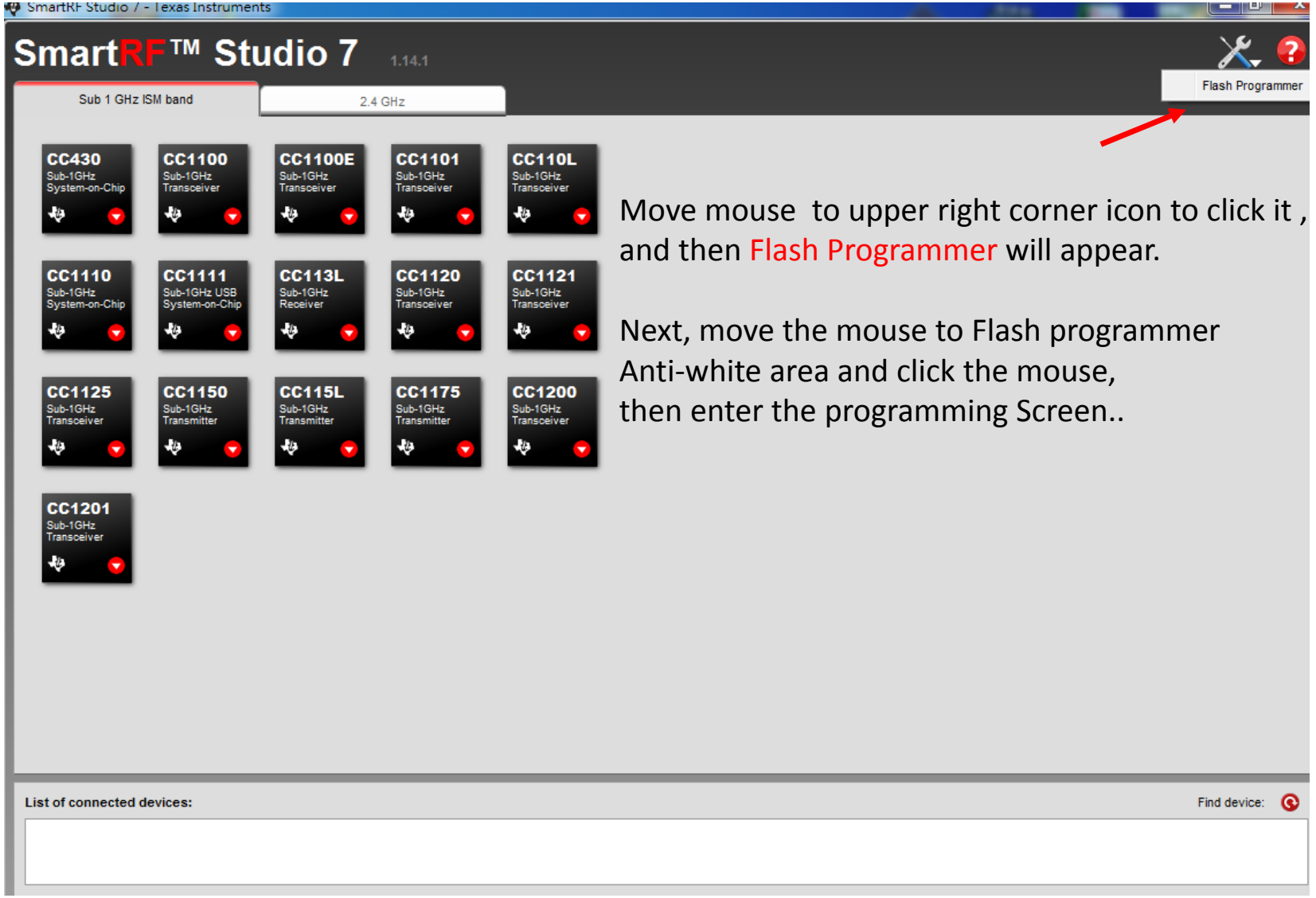
Transfer protocol

RF General Information

Programming port interface description

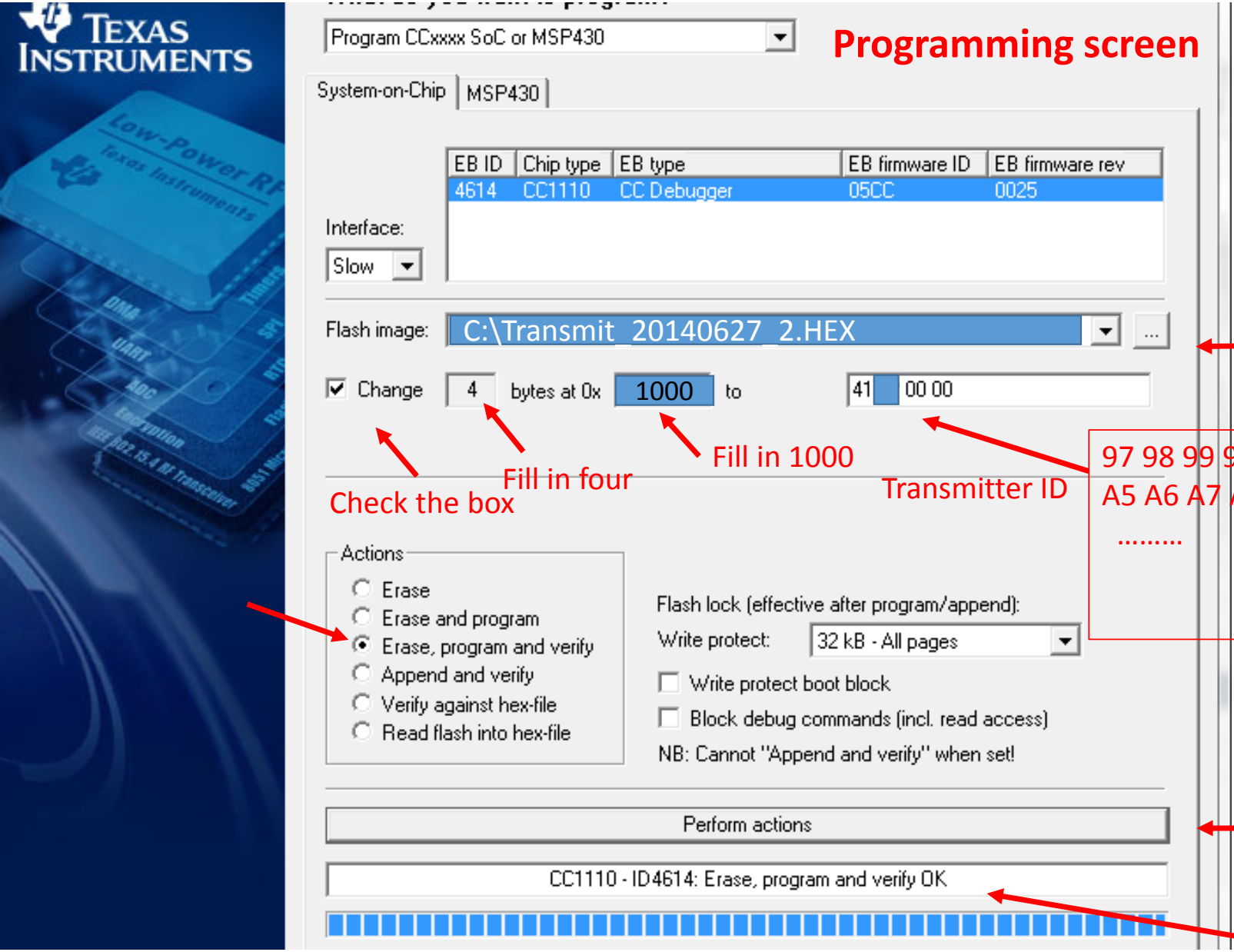


Down Loading code description



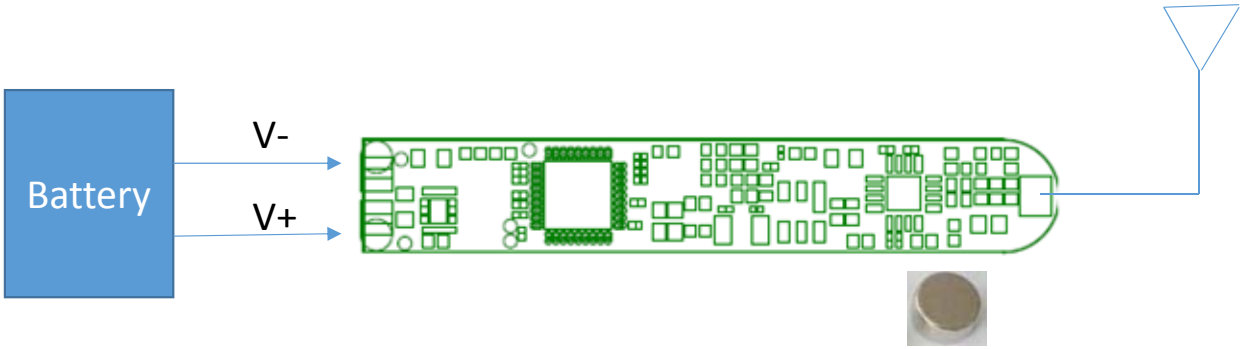
Move mouse to upper right corner icon to click it , and then Flash Programmer will appear.

Next, move the mouse to Flash programmer Anti-white area and click the mouse, then enter the programming Screen..


Texas Instruments
Program CCxxxx SoC or MSP430
Programming screen
System-on-Chip
MSP430
EB ID
Chip type
EB type
EB firmware ID
EB firmware rev
4614
CC1110
CC Debugger
05CC
0025
Interface:
Slow
Flash image:
C:\Transmit_20140627_2.HEX
Select programming file
Change
4
bytes at 0x
1000
to
41
00 00
Fill in 1000
Fill in four
Check the box
Transmitter ID
97 98 99 9A 9B 9C 9D 9E 9F A0 A1 A2 A3 A4
A5 A6 A7 A8 A9 AA AB AC AD AE AF B0 B1 …
.....
Actions
Erase
Erase and program
Erase, program and verify
Append and verify
Verify against hex-file
Read flash into hex-file
Flash lock (effective after program/append):
Write protect:
32 kB - All pages
Write protect boot block
Block debug commands (incl. read access)
NB: Cannot "Append and verify" when set!
Perform actions
Click “Perform actions”
CC1110 - ID4614: Erase, program and verify OK
Programming OK

Exclusive Application Platform Description for Module

module only used for Pro-Tracker platform



After installing the battery, move magnet away,
then turn on the power to send out information
move magnet close, turn off the power

- Transfer protocol
- Baud Rates : 2.4K

Start	First 30 minutes	12 seconds on to sending information	6 seconds off
	After 30 minutes	10 seconds on to sending information	6 seconds off
	After 1 hour	8 seconds on to sending information	6 seconds off
	After 1 hours	8 seconds on to sending information	8 seconds off

- RF General Information
- Frequency Range : 902-928 MHz
- Modulation : FSK
- Ch. Frequency : 905-927.25 Mhz
- Bandwith : 250 KHz
- Channel Number : 89

RF General Information					
Frequency Range (MHz)	**Modulation**	**Ch. Frequency (MHz)**	**Bandwith (KHz)**	**Channel Number**	**Fundamental Field Strength (dBuV/m)**
902-928	FSK	905-927.25	250	89	67.93
Note 1: Field strength performed Peak level at 3m.					

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

This module is intended for OEM integrator.

The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

Appropriate measurements (e.g. 15 B compliance) and if applicable additional equipment authorizations (e.g. Verification , Doc) of the host device to be addressed by the integrator/manufacturer.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: 2ADB5-TRACKER1 ".