



PCT Scanning Receivers Product Release Notes

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Release 1.0

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Revision A**

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COMMENT ON KNOWN DEFECTS AND OTHER ERRATA

This document lists problems known to be associated with the current release. PCTEL RF Solutions Group is committed to releasing defect free products, and appreciates any reports of issues or assistance in the identification of issues. Problems are prioritized and queued for remedy.

PCTEL RF Solutions Group is always interested in your feedback concerning our products, and the features or additions that would make them better. Please feel free to contact PCTEL RF Solutions Group using the support information below with any suggestions for improvements.

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SCANNER COMPONENT VERSIONS

File Name	Version
Signal Processing Module Version	0.0.0.10
Scan Manager SW Version	0.0.0.12
Bootloader SW Version	1.1.0.0
Timing Module SW Version	016
Timing Module PLD Version	116
Board PLD Version	0.0.0.80
RF PLD Version	0.0.0.3 (NAV) 0.0.0.4 (No NAV)
PCT API	1.0.0.3
PCT ICD	1.3.0.0

DRIVER COMPONENT VERSIONS

File Name	Version
PL2303 Prolific Driver	1.3

SUPPORTED OPTIONS

Option Code in Hex	Description
WCDMA	
0001 0004	3GPP WCDMA
0003 0004	3GPP WCDMA Pilot
GSM	
0001 0001	GSM
0002 0001	BSIC
Misc.	
0001 0000	GPS Navigation

SUPPORTED CONFIGURATIONS

Part Number	Band(s) Supported	Configuration	GPS	Protocol
05101-0x	850/1900	PCT-510 Receiver	Yes	GSM
05101-1x	850/1900	PCT-510 Receiver	No	GSM
05102-0x	850	PCT-510 Receiver	Yes	GSM
05102-1x	850	PCT-510 Receiver	No	GSM
05103-0x	1900	PCT-510 Receiver	Yes	GSM
05103-1x	1900	PCT-510 Receiver	No	GSM
05104-0x	900/1800	PCT-510 Receiver	Yes	GSM
05104-1x	900/1800	PCT-510 Receiver	No	GSM
05105-0x	900	PCT-510 Receiver	Yes	GSM
05105-1x	900	PCT-510 Receiver	No	GSM
05106-0x	1800	PCT-510 Receiver	Yes	GSM
05106-1x	1800	PCT-510 Receiver	No	GSM
05051-0x	850/1900	PCT-505 Receiver	Yes	WCDMA
05051-1x	850/1900	PCT-505 Receiver	No	WCDMA
05052-0x	850	PCT-505 Receiver	Yes	WCDMA
05052-1x	850	PCT-505 Receiver	No	WCDMA
05053-0x	1900	PCT-505 Receiver	Yes	WCDMA
05053-1x	1900	PCT-505 Receiver	No	WCDMA
05054-0x	900/1800	PCT-505 Receiver	Yes	WCDMA
05054-1x	900/1800	PCT-505 Receiver	No	WCDMA
05055-0x	900	PCT-505 Receiver	Yes	WCDMA
05055-1x	900	PCT-505 Receiver	No	WCDMA
05056-0x	1800	PCT-505 Receiver	Yes	WCDMA
05056-1x	1800	PCT-505 Receiver	No	WCDMA
05057-0x	900/2100	PCT-505 Receiver	Yes	WCDMA
05057-1x	900/2100	PCT-505 Receiver	No	WCDMA
05058-0x	2100	PCT-505 Receiver	Yes	WCDMA
05058-1x	2100	PCT-505 Receiver	No	WCDMA

The release details and history are detailed in the following sections.

FEATURES

GSM Scanning features:

- BSIC Color Code scan
- RSSI Narrowband (CW) scan
- RSSI Wide scan

WCDMA Scanning feature:

- TopN Scrambling Code (SC) scan
- RSSI Narrowband (CCW) scan
- RSSI Wide scan
- Integrated GPS option

KNOWN PROBLEMS IDENTIFIED IN THIS RELEASE

- PCT WCDMA TopN is occasionally generating a system not ready message.
- For a very small number of measurements during validation testing it was observed that even though the SC was decoded and E_c/I_o was measured, the Delay Spread provided by the scanner was the default 255.

PROBLEMS RESOLVED IN THIS RELEASE

- None – This is the first commercial release of the PCT Scanning Receivers

THE FOLLOWING MESSAGES ARE SUPPORTED IN THIS VERSION

General Messages

- Error Message
- Inquiry Message
- Available Options Message
- Reset Message
- Set Receiver's Device ID Message
- Set Baud Rate Message
- Toggle Options Message
- Executable Code Selection Message
- Download Executable Message



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Scan Messages

- RSSI Scan Message
- RSSI Frequency Scan Message (GSM only)
- Top N Pilot Scan Message (WCDMA only)
- Color Code – Control Channel Scan Message (GSM only)
- Stop Scan Message

Information Messages

- Scan Data Drop Message
- Get Product Information Message
- Channel to Frequency Message

Other Messages

- Get GPS Position Message

NOTES

- None

RELEASE HISTORY

- None – This is the first commercial release of the PCT Scanning Receivers