

1 Introduction

This document is intended to identify and illustrate the associated routing through the CMX7143 when using the 4FSK, GMSK and FFSK Function Images™. In addition references to the C-BUS accessible registers will also be shown to provide easier understanding and control of the device.

Specific to Function Image™ 7143FI-1, 7143FI-2 and 7143FI-3, this Configuration Guide covers Function Images™:

- 7143FI-1.0.4.0
- 7143FI-2.1.2.0
- 7143FI-3.0.3.0

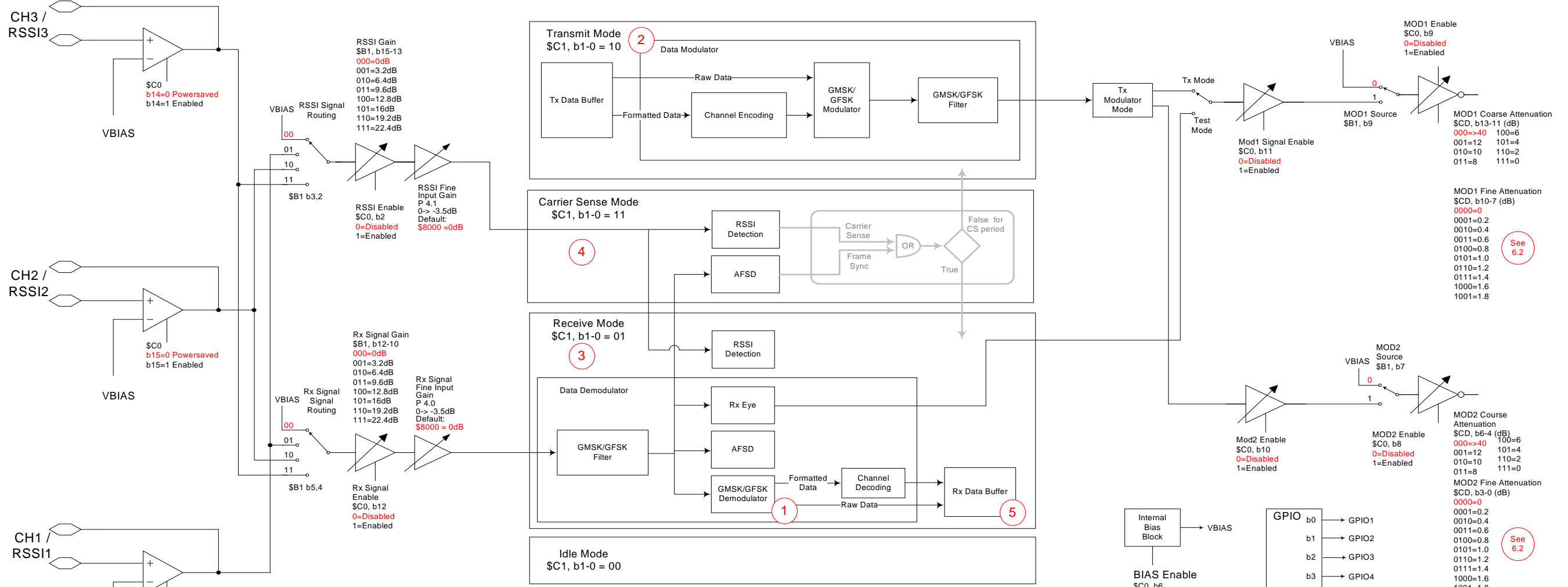
This Configuration Guide is not intended to cover all of the hardware, functions or possible set-up modes. It is a virtual representation of the device and is provided for illustrative purposes to simplify and aid product development.

Default settings are given in red and control paths are shown in blue. The Configuration Guide is best printed on an A3 colour printer.

2 History

Version	Changes	Date
1.0	New Issue	8-1-09
2.0	Correction to illustrations, \$CD Fine Gain Descriptions Corrected	13-1-09
3.0	Addition of SoftBit Rx mode (FI-2.x). Images split into 3 separate illustrations	12-3-09
4.0	Further correction to Mod1 \$CD Fine Gain Description	2-6-09
5.0	Addition of Mod Fine Gain and additions to \$C1 (FI-2)	24-11-09

CMX7143_FI1 GMSK/GFSK Multi-mode Packet-data Modem



Modem Mode and Control Register \$C1

Levels tracking behaviour \$C1, b15-14 00 = Locked: no tracking 01 = Track levels on, slow response 10 = Track levels on, fast response 11 = Auto-tracking response dynamically selected.	Symbol timing PLL behaviour \$C1, b13-12 00 = Locked: no tracking 01 = Narrow PLL 10 = Medium PLL 11 = Auto-PLL bandwidth dynamically selected.
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Programming Register \$C8

Burst Data Configuration \$C8, Block 0 P0.0 - P0.10	Burst Tx Sequence + GPIO Configuration \$C8, Block 1 P1.0 - P1.13	Gain and Offset Setup \$C8, Block 4 P4.0 - P4.10
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Tx Bytewise Formatted Data Transmit

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B5	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0
\$B6	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1
\$B7	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2
\$C4	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3
\$C8	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4
\$C2	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5
\$C7	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6

Tx Bytewise Raw Data Transmit

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B5	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0
\$B6	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1
\$B7	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2
\$C4	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3	TxDat3
\$C8	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4
\$C2	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5
\$C7	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6

Tx Bitwise Raw Data Transmit

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B5	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0
\$B6	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1
\$B7	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2
\$B8	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0	TxDat0
\$B9	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1	TxDat1
\$BA	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2	TxDat2
\$C8	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4	TxDat4
\$C2	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5	TxDat5
\$C7	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6	TxDat6

Rx Bytewise Formatted Data Receive

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B8	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0
\$B9	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1
\$BA	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2
\$BB	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3
\$C5	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4
\$C9	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5
\$CC	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6

Rx Bytewise Raw Data Receive

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B8	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0
\$B9	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1
\$BA	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2
\$BB	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3
\$C5	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4
\$C9	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5
\$CC	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6

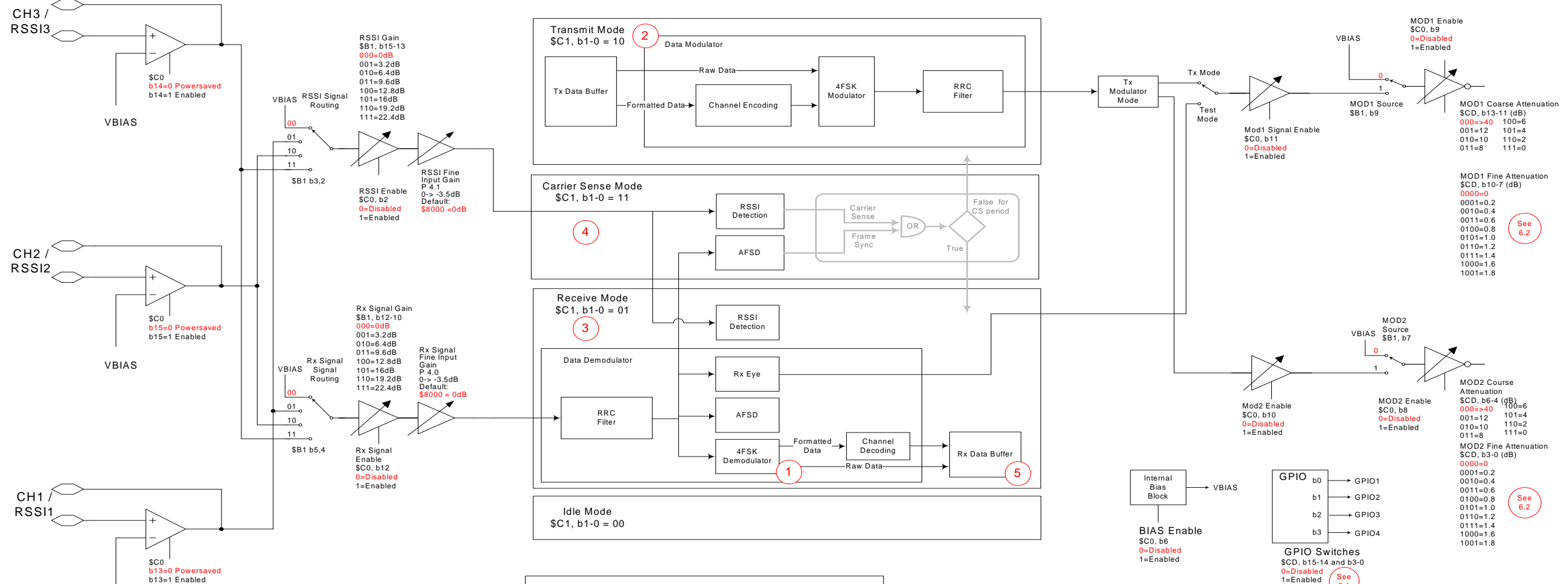
Rx Bitwise Raw Data Receive

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
\$B8	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0	RxDat0
\$B9	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1	RxDat1
\$BA	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2	RxDat2
\$BB	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3	RxDat3
\$C5	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4	RxDat4
\$C9	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5	RxDat5
\$CC	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6	RxDat6

Modem Mode and Control Register \$C1

Tx Modem and CS Modem Control \$C1, b7-4 0000 = Idle 0001 = Reserved 0010 = Tx Raw Data Only 0011 = Tx PRBS 0100 = Tx Preamble, Sync1, Raw Data 0101 = Tx Preamble, Sync2, Raw Data 0110 = Test - Deviation 0111 = Reset / Abort 1000 = Test - Preamble 1001 = Reserved 1010 = Tx Preamble, Sync1, Formatted Data 1011 = Tx Preamble, Sync2, Formatted Data	Rx Modem Control \$C1, b11-8 0000 = Idle 0001 = Reserved 0010 = Rx search for Sync1 or 2, then Rx Raw Data 0011 = Rx eye 0100 = Rx search for Sync1, then Rx Raw Data 0101 = Rx search for Sync2, then Rx Raw Data 0110 = Reserved 0111 = Reset / Abort 1000 = Reserved 1001 = Rx search for Sync1 and 2, then Rx Formatted Data 1010 = Rx search for Sync1, then Rx Formatted Data 1011 = Rx search for Sync2, then Rx Formatted Data	CS Modem Control \$C1, b7-4 0000 = Idle 0001 = Reserved 0010 = Tx Raw Data Only 0011 = Tx PRBS 0100 = Tx Preamble, Sync1, Raw Data 0101 = Tx Preamble, Sync2, Raw Data 0110 = Test - Deviation 0111 = Reset / Abort 1000 = Test - Preamble 1001 = Reserved 1010 = Tx Preamble, Sync1, Formatted Data 1011 = Tx Preamble, Sync2, Formatted Data
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CMX7143_FI2 4-Level FSK Packet-data Modem



Modem Mode and Control Register \$C1

Levels tracking behaviour \$C1, b15-14 00 = Locked; no tracking 01 = Track levels on, slow response 10 = Track levels on, fast response 11 = Auto-tracking response dynamically selected.	Symbol timing PLL behaviour \$C1, b13-12 00 = Locked; no tracking 01 = Narrow PLL 10 = Medium PLL 11 = Auto-PLL bandwidth dynamically selected.
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Programming Register \$C8

Burst Data Configuration \$C8, Block 0 P0.0 - P0.10	Burst Tx Sequence + GPIO Configuration \$C8, Block 1 P1.0 - P1.13	Gain and Offset Setup \$C8, Block 4 P4.0 - P4.10
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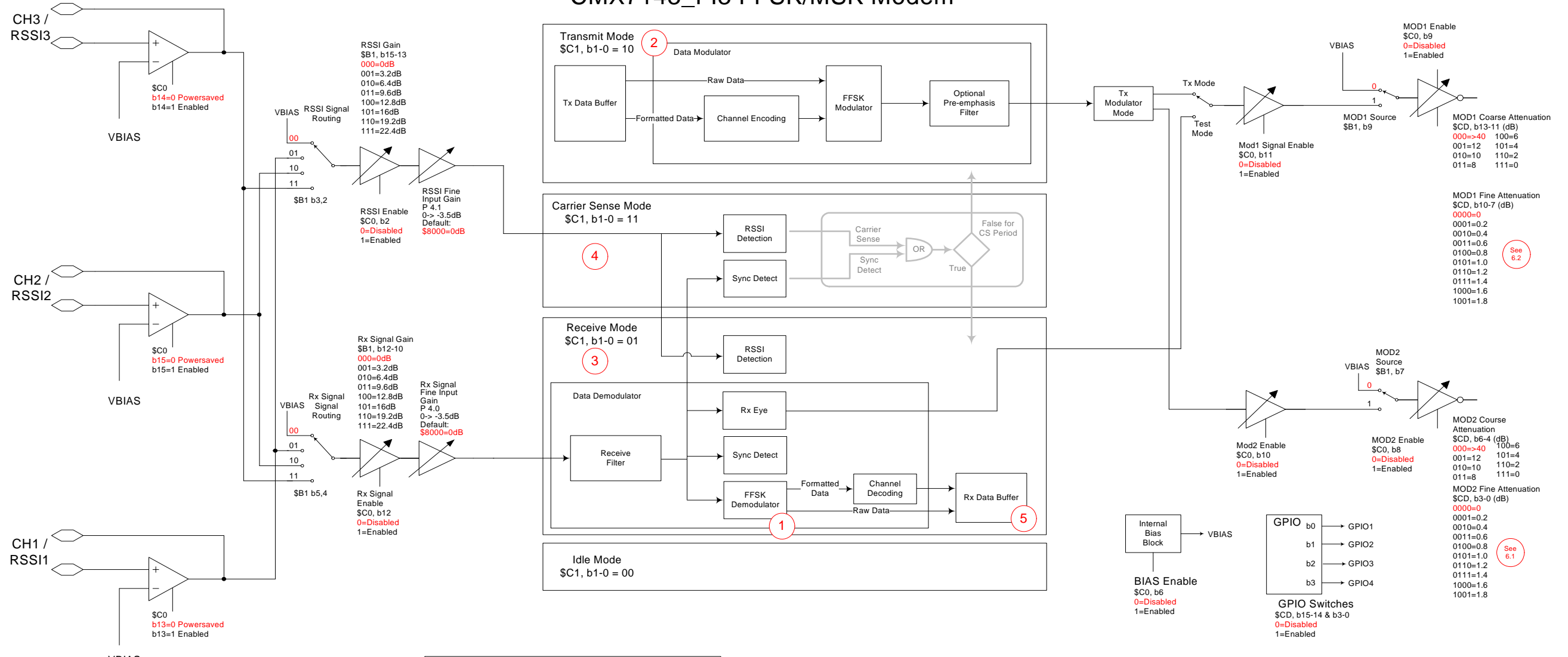
Tx/Rx Data Registers

Tx Bytewise Formatted Data Transmit				Tx Bytewise Raw Data Transmit				Tx Bitwise Raw Data Transmit				Rx Bitwise Raw Data Receive			
Bit	15	14	13	Bit	15	14	13	Bit	15	14	13	Bit	15	14	13
\$B5	TxData0	TxData, Byte 0	Byte Counter	\$B5	TxData0	TxData, Byte 0	Byte Counter	\$B5	TxData0	b0	b1	b2	b3	b4	b5
\$B6	TxData1	TxData, Byte 1	Byte Counter	\$B6	TxData1	TxData, Byte 1	Byte Counter	\$B6	TxData1	b6	b7	b8	b9	b10	b11
\$B7	TxData2	TxData, Byte 2	Byte Counter	\$B7	TxData2	TxData, Byte 2	Byte Counter	\$B7	TxData2	b12	b13	b14	b15	b16	b17
\$C4	TxData3	TxData, Byte 3	Byte Counter	\$C4	TxData3	TxData, Byte 3	Byte Counter	\$C4	TxData3	b18	b19	b20	b21	b22	b23
\$C8	TxData4	TxData, Byte 4	Byte Counter	\$C8	TxData4	TxData, Byte 4	Byte Counter	\$C8	TxData4	b24	b25	b26	b27	b28	b29
\$C2	TxData5	TxData, Byte 5	Byte Counter	\$C2	TxData5	TxData, Byte 5	Byte Counter	\$C2	TxData5	b30	b31	b32	b33	b34	b35
\$C7	TxData6	TxData, Byte 6	Byte Counter	\$C7	TxData6	TxData, Byte 6	Byte Counter	\$C7	TxData6	b36	b37	b38	b39	b40	b41

Modem Mode and Control Register \$C1

Tx Modem and CS Modem Control \$C1, b7-4 0000 = Idle 0001 = Reserved 0010 = Tx Raw Data Only 0011 = Tx PRBS 0100 = Tx Preamble, Sync1, Raw Data 0101 = Tx Preamble, Sync2, Raw Data 0110 = Test - Deviation 0111 = Reset / Abort 1000 = Test - Preamble 1001 = Reserved 1010 = Tx Preamble, Sync1, Formatted Data 1011 = Tx Preamble, Sync2, Formatted Data 1100 = Tx Formatted Data Only	Rx Modem Control \$C1, b11-8 0000 = Idle 0001 = Reserved 0010 = Rx search for Sync1 or 2, then Rx Raw Data 0011 = Rx eye 0100 = Rx search for Sync1, then Rx Raw Data 0101 = Rx search for Sync2, then Rx Raw Data 0110 = ReseT - Deviation 0111 = ReseT / Abort 1000 = ReseT - Preamble 1001 = Reserved 1010 = Rx search for Sync1 and 2, then Rx Formatted Data 1011 = Rx search for Sync1, then Rx Formatted Data 1100 = Rx search for Sync2, then Rx Formatted Data	CS Modem Control \$C1, b7-4 0000 = Idle 0001 = Reserved 0010 = Tx Raw Data Only 0011 = Tx PRBS 0100 = Tx Preamble, Sync1, Raw Data 0101 = Tx Preamble, Sync2, Raw Data 0110 = Test - Deviation 0111 = ReseT / Abort 1000 = Test - Preamble 1001 = Reserved 1010 = Tx Preamble, Sync1, Formatted Data 1011 = Tx Preamble, Sync2, Formatted Data 1100 = Tx Formatted Data Only
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CMX7143_FI3 FFSK/MSK Modem



Modem Mode and Control Register \$C1

Scrambler seed select
 \$C1, b15-12
 0000 = \$FFFF: Standard seed
 0001 = Scramble seed 1 (See program block 0)
 0010 = Scramble seed 2 (See program block 0)
 0011 = \$0000: Scrambler off

Programming Register \$C8

- Burst Data Configuration \$C8, Block 0 P0.0 - P0.15
- Burst Tx Sequence + GPIO Configuration \$C8, Block 1 P1.0 - P1.13
- Gain and Offset Setup \$C8, Block 4 P4.0 - P4.10

Tx/Rx Data Registers

Tx Bytewise Formatted Data Transmit																
Block	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
\$B5	TxData0	TxData_Byte 0	Block Specifier													
\$B6	TxData1	TxData_Byte 1	Block Specifier													
\$B7	TxData2	TxData_Byte 2	Block Specifier													
\$B8	TxData3	TxData_Byte 3	Block Specifier													
\$B9	TxData4	TxData_Byte 4	Block Specifier													
\$BA	TxData5	TxData_Byte 5	Block Specifier													
\$BB	TxData6	TxData_Byte 6	Block Specifier													
\$BC	TxData7	TxData_Byte 7	Block Specifier													
\$BD	TxData8	TxData_Byte 8	Block Specifier													
\$BE	TxData9	TxData_Byte 9	Block Specifier													
\$BF	TxData10	TxData_Byte 10	Block Specifier													
\$C0	TxData11	TxData_Byte 11	Block Specifier													
\$C1	TxData12	TxData_Byte 12	Block Specifier													

Tx Bitwise Raw Data Transmit																
Block	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
\$B5	TxData0	TxData_Byte 0	Block Specifier													
\$B6	TxData1	TxData_Byte 1	Block Specifier													
\$B7	TxData2	TxData_Byte 2	Block Specifier													
\$B8	TxData3	TxData_Byte 3	Block Specifier													
\$B9	TxData4	TxData_Byte 4	Block Specifier													
\$BA	TxData5	TxData_Byte 5	Block Specifier													
\$BB	TxData6	TxData_Byte 6	Block Specifier													
\$BC	TxData7	TxData_Byte 7	Block Specifier													
\$BD	TxData8	TxData_Byte 8	Block Specifier													
\$BE	TxData9	TxData_Byte 9	Block Specifier													
\$BF	TxData10	TxData_Byte 10	Block Specifier													
\$C0	TxData11	TxData_Byte 11	Block Specifier													
\$C1	TxData12	TxData_Byte 12	Block Specifier													

Rx Bytewise Formatted Data Receive																
Block	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
\$B8	RxData0	RxData_Byte 0	Block Specifier													
\$B9	RxData1	RxData_Byte 1	Block Specifier													
\$BA	RxData2	RxData_Byte 2	Block Specifier													
\$BB	RxData3	RxData_Byte 3	Block Specifier													
\$BC	RxData4	RxData_Byte 4	Block Specifier													
\$BD	RxData5	RxData_Byte 5	Block Specifier													
\$BE	RxData6	RxData_Byte 6	Block Specifier													
\$BF	RxData7	RxData_Byte 7	Block Specifier													
\$C0	RxData8	RxData_Byte 8	Block Specifier													
\$C1	RxData9	RxData_Byte 9	Block Specifier													
\$C2	RxData10	RxData_Byte 10	Block Specifier													
\$C3	RxData11	RxData_Byte 11	Block Specifier													
\$C4	RxData12	RxData_Byte 12	Block Specifier													

Rx Bitwise Raw Data Receive																
Block	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
\$B8	RxData0	RxData_Byte 0	Block Specifier													
\$B9	RxData1	RxData_Byte 1	Block Specifier													
\$BA	RxData2	RxData_Byte 2	Block Specifier													
\$BB	RxData3	RxData_Byte 3	Block Specifier													
\$BC	RxData4	RxData_Byte 4	Block Specifier													
\$BD	RxData5	RxData_Byte 5	Block Specifier													
\$BE	RxData6	RxData_Byte 6	Block Specifier													
\$BF	RxData7	RxData_Byte 7	Block Specifier													
\$C0	RxData8	RxData_Byte 8	Block Specifier													
\$C1	RxData9	RxData_Byte 9	Block Specifier													
\$C2	RxData10	RxData_Byte 10	Block Specifier													
\$C3	RxData11	RxData_Byte 11	Block Specifier													
\$C4	RxData12	RxData_Byte 12	Block Specifier													

Modem Mode and Control Register \$C1

<p>Tx Modem and CS Modem Control \$C1, b7-4</p> <p>0000 = Idle</p> <p>0001 = Reserved</p> <p>0010 = Tx Raw Data Only</p> <p>0011 = Tx PRBS</p> <p>0100 = Tx Preamble, Sync1, Raw Data</p> <p>0101 = Tx Preamble, Sync2+Raw Data</p> <p>0110 = Test - Deviation</p> <p>0111 = Reset / Abort</p> <p>1000 = Test - Preamble</p> <p>1001 = Tx Preamble, Sync3 + Raw Data</p> <p>1010 = Tx Preamble, Sync1, Formatted Data</p> <p>1011 = Tx Preamble, Sync2, Formatted Data</p> <p>1100 = Tx Preamble, Sync3, Formatted Data</p>	<p>Rx Modem Control \$C1, b11-8</p> <p>0000 = Idle</p> <p>0001 = Reserved</p> <p>0010 = Rx search for Sync and modulation as defined by P4.1, then Rx Raw Data</p> <p>0011 = Rx eye</p> <p>0100 = Reserved</p> <p>0101 = Reserved</p> <p>0110 = Reserved</p> <p>0111 = Reset / Abort</p> <p>1000 = Reserved</p> <p>1001 = Rx search for Sync and modulation as defined by P4.1, then Rx Formatted Data</p>	<p>CS Modem Control \$C1, b7-4</p> <p>0000 = Idle</p> <p>0001 = Reserved</p> <p>0010 = Tx Raw Data Only</p> <p>0011 = Tx PRBS</p> <p>0100 = Tx Preamble, Sync1, Raw Data</p> <p>0101 = Tx Preamble, Sync2, Raw Data</p> <p>0110 = Test - Deviation</p> <p>0111 = Reset / Abort</p> <p>1000 = Test - Preamble</p> <p>1001 = Tx Preamble, Sync3 + Raw Data</p> <p>1010 = Tx Preamble, Sync1, Formatted Data</p> <p>1011 = Tx Preamble, Sync2, Formatted Data</p> <p>1100 = Tx Preamble, Sync3, Formatted Data</p>
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