Version 3.2.

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Chapter 7 Modem Concepts 7-57

7.1 System Clocking .....

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Chapter 3 Safety and Compliance Information

PLEASE READ THE FOLLOWING INFORMATION BEFORE

Operation of the equipment in an environment other than that stated will invalidate the safety standards.

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Ethernet Connectors

Rx N Type Connector

This provides both an IF and L-Band input from satellite and is provided using a 50q N type connector.

The **IF** band covers 50 to 90Mhz and 100 to 180MHz. The IF carrier signal level at the input of the modem must be in the following range:

Minimum signal level: -130

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6.2.2.3

6.2.4.1 Terrestrial Interface

Table 6-1 lists the different terrestrialicealoplatistihaen5(al)6erraliva-58(al)3(bnstal)3ace

6.2.4.7 Rx Clock Source

Satellite

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6.2.4.22 Tx Output Power

6.2.6.2 BUC LO Frequency

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6.2.7 Edit->Unit Screen

The *Edit->Unit* screen contains the following tab menu options:

M&C. This controls remote M&C settings including serial control settings and user passwords.
Alarms.

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6.2.8.6 Remote M&C Interface

Table 6-36 shows the *Remote M&C interface* options, with respect to the serial M&C interface of the modem. **Tables 6-40** and **6-41** describe the options for assigning an RS485 address to the serial opti

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6.2.12 Edit->Unit->M&C->Security Screen

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0.000008871 0 595.32 842.04 reW* nBT/F2 11.04 Tf1 0 0 1 670.42 735.46 Tm0 g0 G[(-)]

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Default:

1000M full duplex	The modem will auto-negotiate the Ethernet speed and duplex settings but as part of the negotiation will ádvertiseô1000Mbps full duplex as the only option available.

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The Rx Constellation Monitor can be used to check for correct modem operation including

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7.2.2 Switching Operation

If a particular modem is required to be the online modem, then this should be powered up

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The maximum data rate is 10Mbps (over good quality twisted pair screened cable), but this rate is reduced as the connecting cables extend beyond 10m. As an estimate, assume the maximum rate halves as the distance doubles (i.e. 5Mbps to 20m, 2.5Mbps to 40m etc.).

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EIA-530 Interface 530

It is possible to configure the Tx carrier to be switched on and off by the `Sig= Valid In` line by selecting Edit

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QubeFlex Satellite MoSatellm(ate)6(I(M)-nstai)5(t)-4btypn and O(M)-per(atea)13(8(M)-(e)n

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RBT77-6( )-5(wBTa)4(r)5(n)4

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12.2 Tx Modulator Specifications

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12.5

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