1.1 TETRA TTRX Module tuning and testing in factory

The purpose of this test case is to check that TB3 TTRX Units meets the specification. The Pass Criteria and the Measurement limits are defined in product specification. Product specification is according to ETSI specification. List of tests includes measurements, tunings, checks and setting steps.

The TTRX module testing is done by a Semi-Automatic test system consisting of the following equipment:

- Signal Switching Unit
- Digital Modulation Signal Generator
- 100 MHz - 2.4 GHz TETRA Signal Analyzer
- Signal Generator
- TETRA TBS Simulator

The following test cases are included as Pass/Fail tests:

- TestModeReset
- HW_SW_VersionCheck
- CheckAlarms
- SetSerialNumber
- SetProdCode
- VoltSensorCheck
- PA_BiasCheck
- MinimizeCarrierLeak
- TX_Power_Tuning_Level15
- TX_Power_Level15_CH_Low
- BlockingCharasteristics_500KHz
- TX_Power_Level15_CH_High
- PhaseTuning
- TxOperCheck_Level0
- ACP_Level0_CH_Low
- ACP_Level0_CH_Mid
- ACP_Level0_CH_High
- TxOperCheck_Level15
- ACP_Level15_CH_Mid
- ACP_Level15_CH_Low
- ACP_Level15_CH_High
- ModulationAccuracies_CH_Low
- ModulationAccuracies_CH_Mid
- ModulationAccuracies_CH_High
- RefSensPerf_BER_RSSI_ChLow
- Co_Channel_CH_Mid
- RefSensPerf_BER_RSSI_ChHigh
- NominalErrorRates_RSSI_lvl79_ChMid
- NominalErrorRates_RSSI_lvl13_ChMid
- Adj_Channel_Up_CH_Mid
- Adj_Channel_Down_CH_Mid

- IM_Resp_rej_Up_CH_Mid
- IM_Resp_rej_Down_CH_Mid
- BlockingCharasteristics_50KHz
- BlockingCharasteristics_500KHz