

Q1 However, we cannot automatically associate TPC with a processor or WiMAX forum certificate. Please submit either an attestation letter from the manufacturer (in the Attestation Statement exhibit) or direct proof of TPC implementation (in the Operational Description exhibit).

ATPC is a test item for WiMAX forum CRT. Please check following requirement from WiMAX forum RCT test and also check attached WiMAX certificate.

9.1.17 MS-15.1: MS transmit power dynamic range and relative step accuracy

The purpose of this test is to verify compliance of MS equipments for Transmit Power Control (TPC) dynamic range and Power Step accuracy for both open loop and closed loop.

9.1.17.1 Introduction

Mobile WiMAX System Profile and IEEE 802.16 specification requires a MS transmitter to have a minimum Power Control Range with a minimum Power Level step size. The Power Level step size must conform to a minimum Relative Step Accuracy.

In the Mobile WiMAX PICS section A.5.1.1.1.18 , Table A.81 the 16d standard is Referenced, Section 8.4.12.1.

9.1.17.3 Testing requirements

These tests will test the compliance of the MS to the requirements given in the 802.16e standard or WiMAX profiles. In particular the tests concern the radio conformance of the MS unit. The tests are designed to minimize the use of the MAC layer and do not rely on the performance of the BSE except where conformance of this test is required.

These Tests require a BSE and MS connection. The BSE will command the MS to change its power in m dB decrements. The BSE and a Vector Signal Analyzer will both monitor the MS power output. The power level into the BSE will be adjusted so that it is always within its operating range.

Q2 Please also address the following issue: Page 8 of Test Report states that "...in terms of output power and spurious emission, QPSK 1/2 was found to be the worst case and selected for the final test configuration." However, why was QPSK still the choice in the peak-to-average ratio and bandwidth/band-edge measurement? 16QAM is known to have higher PAPR and more sensitive to hardware phase noise and thus wider spectrum occupancy.

Adding 16QAM test for peak-to average, bandwidth and band edge measurement.

P28~29 of revised report is for bandwidth measurement

P33~34 of revised report is for peak to average ratio.

P44`50 of revised report is for band edge measurement.