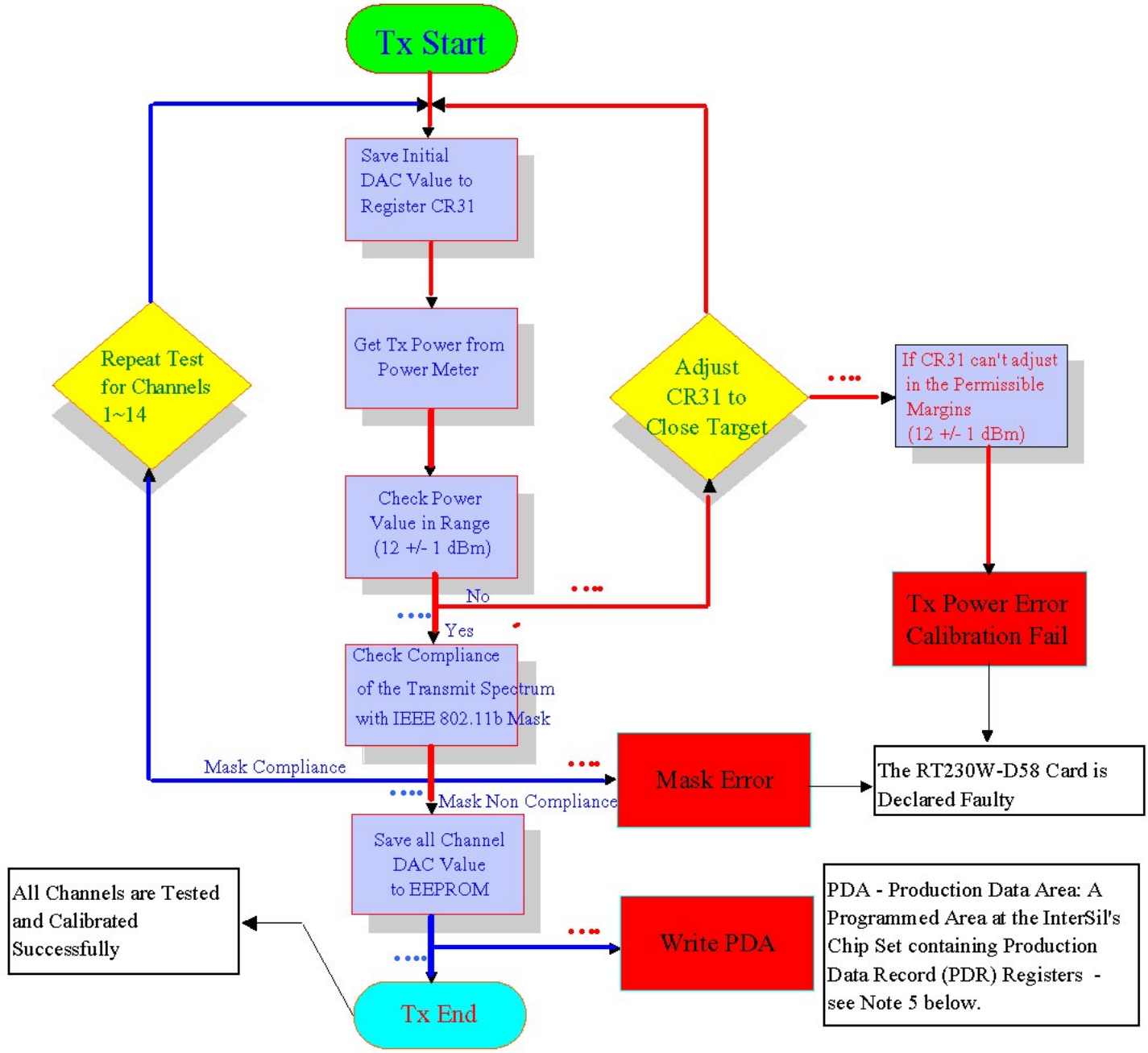
RT230W-D58 Tx & Power Calibration Flow Chart



Notes:

1. The Transmit Power Level Calibration is performed at Askey's Manufacturing Facilities on ALL 12 dBm RT230W-D58 Cards that are shipped to SercoNet.
2. The Transmit Power Level Calibration is performed on ALL Channels (1 - 14) when operating at an RF Data Rate of 11 Mbps; The RT230W-D58 Card is set to Transmit Mode by using a suitable SW Tool (either "RF Testing Tool" or "LANEval.exe SW Tool").
3. The Transmit Power Level Calibration is based on Conducted Power that is measured by a Power Meter, the latter is connected to the RT230W-D58 Card's Transmit Antenna Pad; The Transmit Antenna Pad, which is located adjacent to the Transmit Antenna, has a Switching Function that diverts the Power from the Transmit Antenna to the Power Meter when the latter is plugged into the Transmit Antenna Pad.
4. The Target of the Transmit Power Level Calibration Process is to bring the Transmit Power Level to 12 dBm + / - 1 dB.
5. The Calibration / Testing of the Transmit Power Level is performed by using a Test Program that enables the writing of the correct Hexadecimal Values (i.e., the correct values that set the Transmit Power Level to be within the 12 dBm + / - 1 dB Range) to the InterSil Wireless LAN Chip Set's Production Data Record (PDR) Registers 0X0300 and 0X0301.