

# Documentation Validation

Date Completed: \_\_\_\_\_

Performed by: \_\_\_\_\_

## Tested Specifications:

Test #	Engineering Specification	Description	Pass Requirement
T2	ES2	Ease of Configuration	Technician configures the module successfully without outside instruction
T8	ES9	Regulatory Compliance	Test results meet regulatory compliance
T10	ES12	Printed Documentation	Documentation exists
T11	ES13	Interface Specification Compliance	Satisfies the interface requirements
T15	ES18	Price per board	<\$300

## Revision History:

Revision	Description	Date
1	Document Created	12/8/2010
2	Document Updated	01/05/2010

**Equipment Needed:**

Name of Equipment	Accuracy
Two computers	
Pair of communication boards and dedicated space/room	-
Test results from T3, T5, T12, T13, T14, and overall documentation	-
Calculator/Spreadsheet and datasheets of components	-
Printed documentation	-
Caliper	0.1cm

**Resources Needed:**

Where	When
Location with computer and internet	After all required verifications

**Test:**

Step Number	Check Off	Procedure
1		Bring a pair of communication boards, any documentation, and two computers to a location with sufficient space for transmission(about 10m or more).
2		Instruct technician to configure boards for transmission.
3		Record if technician successfully configures board in the Measured Results Table.
4		Inspect tests T3 and T5 to ensure regulatory compliance are met. Record if they are met in the Measured Results Table.

5		<p>Inspect with a caliper if interface requirements are met (T11) with +/-0.1 cm margin.</p> <ul style="list-style-type: none"> <li>- Position of LED bank matches its position in the layouts.</li> <li>- Position of RF connector matches its position in the layouts and check that it is <i>RP-SMA Female Right Angle</i> type.</li> <li>- Position of Power connector, Ground connector and Programming connector match their positions in the layouts.</li> <li>- Position of USB connector matches its position in the layouts and check that it is a USB receptacle <i>type B Right Angle</i>.</li> <li>- Check T12, T13, T14 results.</li> </ul> <p>Record if they are met in the Measured Results Table.</p>
6		Calculate and inspect the total cost of components by analysing the Bill of materials as long as the manufacturer bills. Record total value in the Measured Results Table.
7		Inspect if printed documentation exists (Technical and user guide). Record if so in the Measured Results Table.

**Measured Results Table:**

Variable Name	Recorded Value	Passable Range	Pass/Fail
Configured		Yes	
Regulations Met		Yes	
Interface Specification Met		Yes	(if failure, detail the types)
Price per board		< \$300	
Printed Documentation		Yes	

**Comments and Calculations:**

**Sign off on section completion:** \_\_\_\_\_

**Date of Sign Off:** \_\_\_\_\_