

Tx Frequency and Transmit Power Test

Date Completed: _____

Performed by: _____

Tested Specifications:

Test #	Engineering Specification	Description	Pass Requirement
T3	ES4	Authorized Transmit Frequency	Binary (OK)
T5	ES6	Transmitter Power Output (TPO)	<30dBm

Revision History:

Revision	Description	Date
1	Document Created	12/9/2010

Equipment Needed:

Name of Equipment	Accuracy
RF Board	-
Spectrum Analyzer	-
PC	-

Connecting wires (coaxial and USB wire)	-
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Resources Needed:

Software	Place
	Place/Room with low noise/interference

Test:

Step Number	Check Off	Procedure
1		Connect the PC to the RF board via USB
2		Connect the Spectrum Analyzer to the output of the RF board (via coaxial cable /and attenuator???)
3		Assign the first channel and send data continuously
4		Measure the bandwidth and the TPO
5		Assign the 16stchannel and send data continuously
6		Repeat Step number 4

Measured Results Table:

Variable Name	Recorded Value	Passable Range	Pass/Fail
Bandwidth (Hz) (1st channel)		2400 – 2483.5 MHz (FCC 15.24)	
Bandwidth (Hz) (16st channel)		2400 – 2483.5 MHz (FCC 15.24)	
Transmitter Power Output (TPO) (1st channel)		< 30dBm (+/- 1 dBm)	
Transmitter Power Output (TPO) (16st channel)		< 30dBm (+/- 1 dBm)	

Comments and Calculations:

Sign off on section completion: _____

Date of Sign Off: _____