

**ION 2004 WLAN
RF**

2004. 12

ION 2004

I. ION 2004 WLAN RF

1.

- IEEE802.11a/b/g RF(, ,)

2. Tester

- Agilent Signal Studio for IEEE802.11 WLAN with E4438C
- Agilent Vector Spectrum Analyzer(89600)/WLAN Tester(89607) with E4440A

3.

- WLAN AP/STA

4.

- 12 7 ~ 12 9

5. TTA

- Signal Generator: Agilent E4438C (2)
- Spectrum Analyzer: Agilent E4440A (1)
- Power Divider: Agilent 87303C (1)
- RF Cable

6.

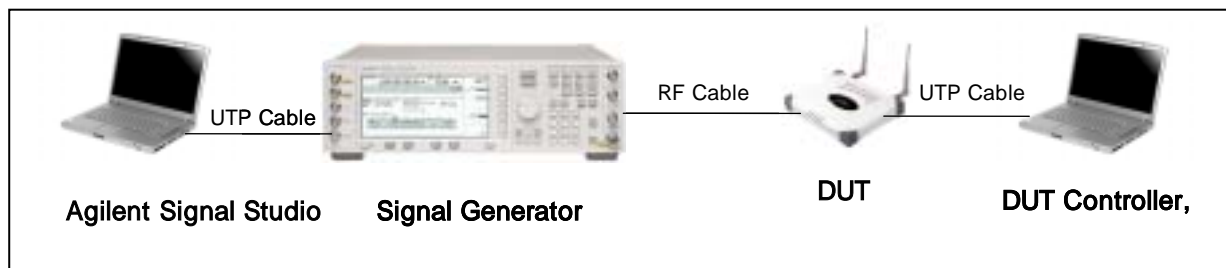
- WLAN AP:
RF (SMA Female Connector 5Cm), (Total
Pkts/Good Pkts/Bad Pkts Counter)
- WLAN Card:
RF (SMA Female Connector 5Cm), (Total
Pkts/Good Pkts/Bad Pkts Counter)
- Console Notebook(1)

II. ION 2004 WLAN RF

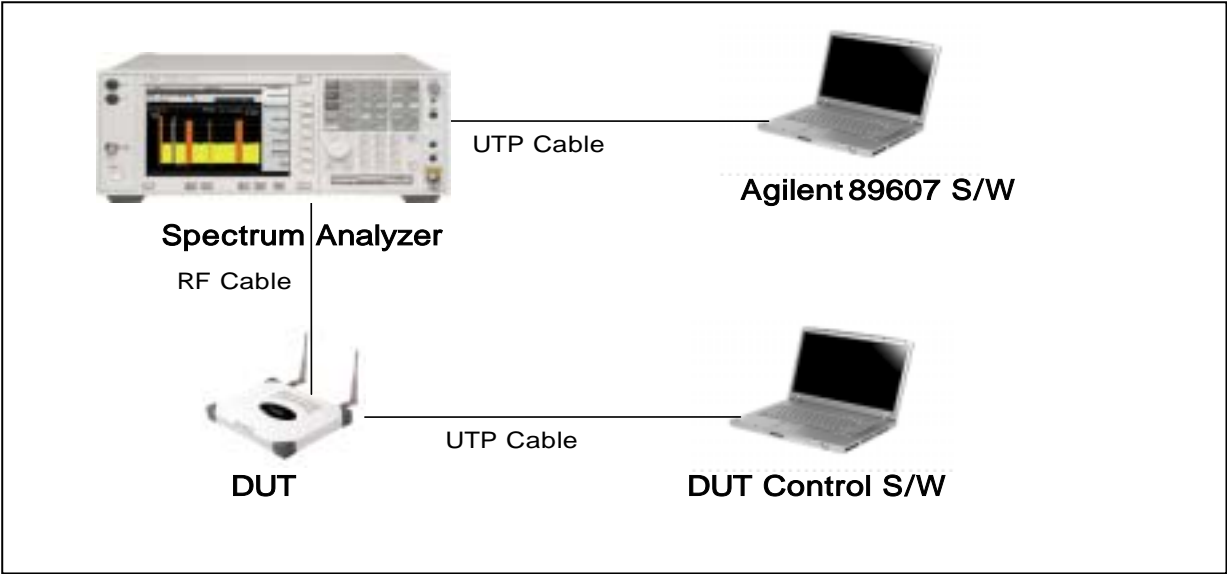
1.

		IEEE 802.11 Ref. #
Transmitter Tests		
1	Transmit Power & Power Density (802.11a/b/g)	17.3.9.1 18.4.7.1/2 19.4.7.1
2	Center Frequency Tolerance (802.11a/b/g)	17.3.9.4 18.4.7.4 19.4.7.2
3	Symbol Clock Frequency Tolerance (802.11a/g)	17.3.9.5 19.4.7.3
4	Chip Clock Frequency Tolerance (802.11b)	18.4.7.5
5	RF Carrier Suppression (802.11b)	18.4.7.7
6	Modulation Accuracy	Center Frequency Leakage (802.11a/b/g)
7		Spectral Flatness (802.11a/g)
8		Constellation Error (802.11a/g)
9		Error Vector Magnitude (802.11b)
10	Power-On/Power-Down Ramp (802.11b)	18.4.7.6
11	Spectrum Mask (802.11a/b/g)	17.3.9.2 18.4.7.3 19.5.4
Receiver Tests		
12	Receiver Minimum Input Sensitivity (802.11a/b/g)	17.3.10.1 18.4.8.1 19.5.1
13	Receiver Max Input Level (802.11a/b/g)	17.3.10.4 18.4.8.2 19.5.3
14	Adjacent Channel rejection (802.11a/b/g)	17.3.10.2 18.3.8.3 19.5.2
15	Non-adjacent Channel rejection (802.11a)	17.3.10.3

2.



< Receiver Test >



< Transmitter Test >