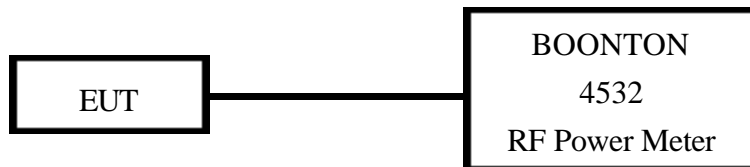


## VII. Section 15.247(b): Power Output

### 7.1 Test Condition & Setup



1. The output of the transmitter is connected to the BOONTON RF Power Meter.
2. The calibration is performed before every tests. The values of the output power of the EUT will shown in the dBm directly are the transmitter output peak power. Recording as follows.

### 7.2 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
RF Power Meter	4532	BOONTON	117501	04/12/03	04/12/04
Peak Power Sensor	57340	BOONTON	2698	04/12/03	04/12/04

### 7.3 Test Result

**Formula:**

$$\text{RF Output of EUT} + |\text{Cable Loss}| = \text{Output Peak Power}$$

#### IEEE 802.11b

Channel	RF Output	Cable Loss	Output Peak Power	
	dBm	dBm	dBm	mW
CH 1	17.27	0.70	17.97	62.661
CH 6	17.70	0.70	18.40	69.183
CH 11	17.59	0.70	18.29	67.453

#### IEEE 802.11g

Channel	RF Output	Cable Loss	Output Peak Power	
	dBm	dBm	dBm	mW
CH 1	20.02	0.70	20.72	118.032
CH 6	20.37	0.70	21.07	127.938
CH 11	20.28	0.70	20.98	125.314