

7. Power Output

7.1 Regulation

15.247(b1) The maximum peak output power of the intentional radiator shall not exceed the following:
For frequency hopping systems operating in the 2400-2483.5 MHz or 5725-5850 MHz band and for all direct sequence systems: 1 watt.

7.2 Test Equipment

- ⇒ Spectrum Analyzer (yellow): Hewlett-Packard 8566B, Serial Number 2403A06519, Calibrated: 20 November 2000, Calibration due Date: 20 November 2001
- ⇒ RF Preselector (yellow): Hewlett-Packard 85685A, Serial Number 2648A00392, Calibrated: 20 November 2000, Calibration due Date: 20 November 2001

7.3 Test Procedures

The modulated RF output of the EUT is connected to the RF input port of the RF preselector. The following measurements were made with a RBW = 3 MHz and VBW = 3 MHz.

7.4 Test Results

Power Output @ 100 % Nominal Input Voltage

- ⇒ Measured maximum Peak Envelope Power for channel 1 was 25.6 dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 11 was 25.6dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 21 was 25.6 dBm.

Power Output @ 85 % Nominal Input Voltage

- ⇒ Measured maximum Peak Envelope Power for channel 1 was 25.6 dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 11 was 25.6dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 21 was 25.6 dBm.

Power Output @ 115 % Nominal Input Voltage

- ⇒ Measured maximum Peak Envelope Power for channel 1 was 25.6 dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 11 was 25.6dBm.
- ⇒ Measured maximum Peak Envelope Power for channel 21 was 25.6 dBm.