

**Output Power measurement**

EUT: NWD-670SU

FCC ID: I88NWD670SU

**Measurement Instrument:**

Equipment	Brand	Frequency range	Model No.	Cal. Due
Wideband Peak Power Meter/ Sensor	Anritsu	100MHz~18GHz	ML2497A/ MA2491A	11/10/2007

**Measurement procedure:**

1. The transmitter output (antenna port) was connected to the power meter.
2. The transmitter was operated in a status of continuously transmitting with 100% duty cycle.
3. Select the middle channel of the operating band, and measure the RMS output power value of each data rate.
4. Find out the worst-case data rate of previous procedure, and dependence on which data rate to measure the high and the low channel.

Tested Date: 16 April, 2007

Tested by: Jerry Liu



**Measurement Results:**

**EUT operating in 2.4GHz Band**

Normal mode

Frequency (MHz)	Peak Power Output (dBm)											
	For different Data Rate (Mbps)											
	1	2	5.5	11	6	9	12	18	24	36	48	54
2412	-	-	-	-	-	-	-	23.48	-	-	-	-
2437	19.35	19.26	18.96	19.15	23.48	23.52	23.58	23.64	23.55	23.48	23.58	23.62
2462	-	-	-	-	-	-	-	23.35	-	-	-	-

Turbo mode

Frequency (MHz)	Peak Power Output (dBm)							
	For different Data Rate (Mbps)							
	12	18	24	36	48	72	96	108
2437	23.14	23.04	23.17	23.19	23.08	22.86	22.98	23.23

**EUT operating in 5.15 - 5.25GHz Band**

Normal mode

Frequency (MHz)	Peak Power Output (dBm)							
	For different Data Rate (Mbps)							
	6	9	12	18	24	36	48	54
5180	-	-	-	15.28	-	-	-	-
5200	15.69	15.65	15.48	15.72	15.52	15.65	15.63	15.69
5240	-	-	-	15.66	-	-	-	-

Turbo mode

Frequency (MHz)	Peak Power Output (dBm)							
	For different Data Rate (Mbps)							
	12	18	24	36	48	72	96	108
5200	15.62	15.74	15.76	15.76	15.75	15.85	15.81	15.90

**EUT operating in 5.725 - 5.85GHz Band**

Normal mode

Frequency (MHz)	Peak Power Output (dBm)							
	For different Data Rate (Mbps)							
	6	9	12	18	24	36	48	54
5745	-	-	-	-	-	22.03	-	-
5785	21.45	21.43	21.48	21.38	21.44	21.49	21.44	21.46
5825	-	-	-	-	-	21.07	-	-

Turbo mode

Frequency (MHz)	Peak Power Output (dBm)							
	For different Data Rate (Mbps)							
	12	18	24	36	48	72	96	108
5765	21.61	21.55	21.52	21.62	21.53	21.64	21.69	21.74