

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