

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 5/12/05 and 6/03/05

Lab: B

Tested By: Kyle Fujimoto

Peak Output Power**Settings for Small Antenna**

Gain = 7.5 dBi

Freq. (MHz)	Level (dBuV)	Emission BW (B) in MHz	Antenna Gain (dBi)	Corr. Factor	Power Output (dBm)	Comments
5280	8.14	22.34	7.5	13.49083	21.630832	Limit 22.5 dBm
5300	7.35	21.54	7.5	13.33246	20.682457	Limit 22.5 dBm
5320	6.35	22.34	7.5	13.49083	19.840832	Limit 22.5 dBm
5300 (T)	3.71	42.18	7.5	16.25107	19.961066	Limit 22.5 dBm

Corr. Factor = $10 \log (\text{Emission BW} / 1 \text{ MHz})$

(T) = Turbo Mode

Limits = 24 dBm (250 mW) - 1.5 dB = 22.5 dBm

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Peak Output Power**Settings for Patch Antenna**

Gain = 12.2 dBi

Freq. (MHz)	Level (dBm)	Emission BW (B) in MHz	Antenna Gain (dBi)	Corr. Factor	Power Output (dBm)	Comments
5280	1.64	20.24	12.2	13.06211	14.702105	Limit 17.8 dBm
5300	0.96	21.04	12.2	13.23046	14.190457	Limit 17.8 dBm
5320	0.75	20.94	12.2	13.20977	13.959767	Limit 17.8 dBm
5300 (T)	-0.9	40.18	12.2	16.0401	15.140099	Limit 17.8 dBm

Corr. Factor = $10 \log (\text{Emission BW} / 1 \text{ MHz})$

(T) = Turbo Mode

Limits = 24 dBm (250 mW) - 6.2 dB = 17.8 dBm

FCC 15.247

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**Peak Output Power - Note: Only 1 Power Setting for ALL Antennas
5725 MHz -- 5850 MHz**

Freq. (MHz)	Peak Power (dBm)
5745	24.31
5785	24.15
5825	23.61
5765 (T)	23.84
5805 (T)	23.59

(T) = Turbo Mode