



Ecom Sertech Corp.

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FCC ID : PY3WG111U
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Uncertainty of Conducted Emission

The uncertainty of conducted emission is $\pm 1.82\text{dB}$.

Test Results

Company	Netgear Incorporated	Test Date	2004/12/13
Product Name	Double 108 Mbps Wireless USB 2.0 Adapter WG111U	Test By	Alan Fan
Model Name	WG111U	TEMP & Humidity	21.1°C, 63%

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
Low	5745	16.00	30	PASS
Middle	5785	16.39	30	PASS
High	5825	16.11	30	PASS

Note :

1. For normal 802.11a mode.
2. At final test to get the worst-case emission at 54Mbps.
3. Cable loss = 0.5dB.
4. The results are calculated as the following equation :
$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss}$$

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	19.14	30	PASS
6	2437	18.89	30	PASS
11	2462	18.88	30	PASS

Note :

1. For 802.11b mode.
2. At final test to get the worst-case emission at 11Mbps.
3. Cable loss = 0.5dB.
4. The results are calculated as the following equation :
$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss}$$

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Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
1	2412	19.08	30	PASS
6	2437	19.24	30	PASS
11	2462	19.29	30	PASS

Note :

1. For normal 802.11g mode.
2. At final test to get the worst-case emission at 6Mbps.
3. Cable loss = 0.5dB.
4. The results are calculated as the following equation :
$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss}$$

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
Low	5760	16.00	30	PASS
High	5800	15.95	30	PASS

Note :

1. For Super A mode.
2. At final test to get the worst-case emission at 108Mbps.
3. Cable loss = 0.5dB.
4. The results are calculated as the following equation :
$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss}$$

Channel	Channel Frequency (MHz)	Peak Power Output (dBm)	Peak Power Limit (dBm)	Pass / Fail
Middle	2437	18.73	30	PASS

Note :

1. For Super G mode.
2. At final test to get the worst-case emission at 108Mbps.
3. Cable loss = 0.5dB.
4. The results are calculated as the following equation :
$$\text{Peak Power Output} = \text{Peak Power Reading} + \text{Cable loss}$$