

**Unmetered supply testing of:  
cnPilot E500  
For  
Quickline Communications**

Author:



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### Unmetered Supply Testing

**Report reference No** .....: C1256TR1

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Senior Safety Engineer



**Date of issue** .....: 25 September 2017

**Testing laboratory** .....: York EMC Services Ltd

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**Applicants name** .....: Quickline Communications

**Address** .....: Unit 3, Priory Court, Hull, HU13 9PB

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**Test item description:**

**Trademark** .....: Cambium Networks

**Manufacturer** .....: Cambium Networks Ltd

**Model and/or type reference** .....: cnPilot™E500 Outdoor 802.11ac WLAN Access Point

**Testing**

**Date of receipt of test item** .....: 21 September 2017

**Date(s) of performance of test** .....: 22 September 2017

<b>Product: 802.11ac WLAN Access Point</b>		<b>Model: cnPilot™E500</b>	<b>Serial No:W8SE2111108T</b>	
<b>Power consumption test: Unit connected to power supply at Gigabit + Data Power</b>				
<b>Voltage (V)</b>	<b>Current (mA)</b>	<b>Watts (W)</b>	<b>VA</b>	<b>Power Factor</b>
210	46.13	3.89	9.76	0.398
220	45.79	3.92	10.04	0.398
230	42.61	3.96	10.27	0.387
240	44.09	3.99	10.61	0.376
250	44.05	4.03	11.06	0.364

<b>Product: 802.11ac WLAN Access Point</b>		<b>Model: cnPilot™E500</b>	<b>Serial No:W8SE12676Q9F</b>	
<b>Power consumption test: Unit connected to power supply at Gigabit + Data Power</b>				
<b>Voltage (V)</b>	<b>Current (mA)</b>	<b>Watts (W)</b>	<b>VA</b>	<b>Power Factor</b>
210	47.14	4.05	9.94	0.407
220	47.13	4.08	10.39	0.392
230	45.41	4.11	10.40	0.395
240	43.86	4.15	10.51	0.395
250	41.08	4.18	10.22	0.408

<b>Product: 802.11ac WLAN Access Point</b>		<b>Model: cnPilot™E500</b>	<b>Serial No:W8SE2102X12X</b>	
<b>Power consumption test: Unit connected to power supply at Gigabit + Data Power</b>				
<b>Voltage (V)</b>	<b>Current (mA)</b>	<b>Watts (W)</b>	<b>VA</b>	<b>Power Factor</b>
210	48.01	4.01	10.12	0.395
220	46.49	4.04	10.24	0.394
230	45.99	4.07	10.58	0.384
240	45.57	4.11	10.91	0.376
250	45.25	4.14	11.30	0.366

<b>Product: 802.11ac WLAN Access Point</b>		<b>Model: cnPilot™E500</b>	<b>Serial No:W8SE18060P1JM</b>	
<b>Power consumption test: Unit connected to power supply at Gigabit + Data Power</b>				
<b>Voltage (V)</b>	<b>Current (mA)</b>	<b>Watts (W)</b>	<b>VA</b>	<b>Power Factor</b>
<b>210</b>	<b>46.45</b>	<b>3.86</b>	<b>9.78</b>	<b>0.394</b>
<b>220</b>	<b>45.87</b>	<b>3.90</b>	<b>10.13</b>	<b>0.384</b>
<b>230</b>	<b>44.37</b>	<b>3.94</b>	<b>10.21</b>	<b>0.385</b>
<b>240</b>	<b>44.22</b>	<b>3.98</b>	<b>10.63</b>	<b>0.373</b>
<b>250</b>	<b>43.79</b>	<b>4.01</b>	<b>10.99</b>	<b>0.365</b>

<b>Product: 802.11ac WLAN Access Point</b>		<b>Model: cnPilot™E501S*</b>	<b>Serial No: W8TE000GXPTN</b>	
<b>Power consumption test: Unit connected to power supply at Gigabit + Data Power</b>				
<b>Voltage (V)</b>	<b>Current (mA)</b>	<b>Watts (W)</b>	<b>VA</b>	<b>Power Factor</b>
<b>210</b>	<b>46.09</b>	<b>4.66</b>	<b>9.76</b>	<b>0.416</b>
<b>220</b>	<b>50.37</b>	<b>4.55</b>	<b>11.13</b>	<b>0.411</b>
<b>230</b>	<b>49.40</b>	<b>4.58</b>	<b>11.41</b>	<b>0.392</b>
<b>240</b>	<b>45.25</b>	<b>4.15</b>	<b>9.77</b>	<b>0.373</b>
<b>250</b>	<b>45.15</b>	<b>4.15</b>	<b>10.05</b>	<b>0.355</b>

\* Unit is identical construction to E500 units.

TABLE: – Test equipment list					-
Item	Type	Equipment No.	Calibration date		Comments
			Last <sup>1)</sup>	Due	
1)	Fluke 8808A Digital Multimeter	C0217	08/06/17	08/06/18	Used
2)	Voltech PM3000A Power Analyser	B0882	03/05/17	03/05/18	Used
3)	Claude Lyons TS-3 stabilised power supply	C0194	17/05/17	17/05/18	Used

COP No.	Samples tested	Serial No.	Date received
Cas 2008	cnPilot™E500 Outdoor 802.11ac WLAN Access Point	W8SE2111108T	21/09/17
	Cambium Networks NET-P30-56N Power Supply	N000000L034A1619001710	
Cas 2009	cnPilot™E500 Outdoor 802.11ac WLAN Access Point	W8SE12676Q9F	21/09/17
	Cambium Networks NET-P30-56N Power Supply	N000000L034A1619001702	
Cas 2010	cnPilot™E500 Outdoor 802.11ac WLAN Access Point	W8SE2102X12X	21/09/17
	Cambium Networks NET-P30-56N Power Supply	N000000L034A1619001892	
Cas 2011	cnPilot™E500 Outdoor 802.11ac WLAN Access Point	W8SE1860P1JM	21/09/17
	Cambium Networks NET-P30-56N Power Supply	N000000L034A1619001856	
Cas 2012	cnPilot™E501S Outdoor 802.11ac WLAN Access Point	W8TE000GXPTN	21/09/17
		N000000L034A1635003005	

Photographs

