

# Unmetered supply testing of: cnPilot E500 For Quickline Communications

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## Unmetered Supply Testing

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

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(printed name and signature) .....: 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

Product: 802.11ac WLAN Access Point		Model: cnPilot™E500	Serial No:W8SE2111108T	
Power consumption test: Unit connected to power supply at Gigabit + Data Power				
Voltage (V)	Current (mA)	Watts (W)	VA	Power Factor
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

Product: 802.11ac WLAN Access Point		Model: cnPilot™E500	Serial No:W8SE12676Q9F	
Power consumption test: Unit connected to power supply at Gigabit + Data Power				
Voltage (V)	Current (mA)	Watts (W)	VA	Power Factor
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

Product: 802.11ac WLAN Access Point		Model: cnPilot™E500		Serial No:W8SE2102X12X	
Power consumption test: Unit connected to power supply at Gigabit + Data Power					
Voltage (V)	Current (mA)	Watts (W)	VA	Power Factor	
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	

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

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

\* 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

