

**EMC**

**Harmonics - Conclusion Unknown**

EUT: Clear Light Beacon		Work Order: EXPR0001
Serial Number: Engineering Unit	Date: 04/06/11	
Customer: Express Imaging Solutions	Temperature (°C): 22.9 °C	
Attendees: Kieth, Pat	Relative Humidity: 35%	
Project: None	Config. #: 1	Bar. Pres. (mb): 1011.4
Tester: Kevin Cameron	Power: 120VAC/50Hz	Job Site: SU06

TEST SPECIFICATIONS		
Specification: EN 61000-3-2:2006 (Amended by A1:2009 and A2:2009)	Method: IEC 61000-3-2:2009	

TEST PARAMETERS							
Equipment Class	A	Fund. Current (A)	0.45	Power Factor	0.92	Ave. Input Curr. (A)	0.49
Max. THC	0.19	Measured Power (W)	53.51	Test Duration	00:02:30		

**COMMENTS**

**EUT OPERATING MODES**

On

**DEVIATIONS FROM TEST STANDARD**

None

**RESULTS**

N/A

Tested By \_\_\_\_\_

Harmonic	Limit		Average		Max		Pass/FAIL	
	1	2	Reading	Av < L1	Av < L2	Reading		
2	1.08A	1.62A	8.3mA	Y	Y	8.53mA	Y	Pass
3	2.3A	3.45A	83.88mA	Y	Y	84.03mA	Y	Pass
4	430mA	645mA	9.06mA	Y	Y	9.41mA	Y	Pass
5	1.14A	1.71A	56.47mA	Y	Y	56.85mA	Y	Pass
6	300mA	450mA	3.69mA	Y	Y	3.84mA	Y	N/A
7	770mA	1.16A	134.26mA	Y	Y	134.39mA	Y	Pass
8	230mA	345mA	3.48mA	Y	Y	3.66mA	Y	N/A
9	400mA	600mA	43.27mA	Y	Y	44.07mA	Y	Pass
10	184mA	276mA	3.7mA	Y	Y	3.85mA	Y	N/A
11	330mA	495mA	34.13mA	Y	Y	34.46mA	Y	Pass
12	153.33mA	230mA	1.14mA	Y	Y	1.25mA	Y	N/A
13	210mA	315mA	33.95mA	Y	Y	34.25mA	Y	Pass
14	131.43mA	197.14mA	1.18mA	Y	Y	1.27mA	Y	N/A
15	150mA	225mA	19.99mA	Y	Y	20.35mA	Y	Pass
16	115mA	172.5mA	1.92mA	Y	Y	1.97mA	Y	N/A
17	132.35mA	198.53mA	20.69mA	Y	Y	20.99mA	Y	Pass
18	102.22mA	153.33mA	1.63mA	Y	Y	1.74mA	Y	N/A
19	118.42mA	177.63mA	29.66mA	Y	Y	29.86mA	Y	Pass
20	92mA	138mA	1.08mA	Y	Y	1.17mA	Y	N/A
21	107.14mA	160.71mA	10mA	Y	Y	10.53mA	Y	Pass
22	83.64mA	125.45mA	1.21mA	Y	Y	1.26mA	Y	N/A
23	97.83mA	146.74mA	9.27mA	Y	Y	9.34mA	Y	Pass
24	76.67mA	115mA	1.04mA	Y	Y	1.09mA	Y	N/A
25	90mA	135mA	18.53mA	Y	Y	18.56mA	Y	Pass
26	70.77mA	106.15mA	.97mA	Y	Y	1.05mA	Y	N/A
27	83.33mA	125mA	12.38mA	Y	Y	12.66mA	Y	Pass
28	65.71mA	98.57mA	1.02mA	Y	Y	1.06mA	Y	N/A
29	77.59mA	116.38mA	6.53mA	Y	Y	6.83mA	Y	Pass
30	61.33mA	92mA	1.11mA	Y	Y	1.17mA	Y	N/A
31	72.58mA	108.87mA	14.57mA	Y	Y	14.68mA	Y	Pass
32	57.5mA	86.25mA	.67mA	Y	Y	.75mA	Y	N/A
33	68.18mA	102.27mA	8.42mA	Y	Y	8.68mA	Y	Pass
34	54.12mA	81.18mA	.63mA	Y	Y	.67mA	Y	N/A
35	64.29mA	96.43mA	2.52mA	Y	Y	2.68mA	Y	N/A
36	51.11mA	76.67mA	.79mA	Y	Y	.84mA	Y	N/A
37	60.81mA	91.22mA	10.73mA	Y	Y	10.86mA	Y	Pass
38	48.42mA	72.63mA	.74mA	Y	Y	.8mA	Y	N/A
39	57.69mA	86.54mA	8.4mA	Y	Y	8.67mA	Y	Pass
40	46mA	69mA	57mA	Y	Y	.6mA	Y	N/A

"N/A in Pass/FAIL column: Harmonic current below 0.6% of rated current or 5mA, whichever is greater, are disregarded "