



ELECTRONICS TEST AND DEVELOPMENT CENTRE

(STQC Directorate, Ministry of Communications & Information Technology)
100 ft Road, Peenya Industrial Estate, Bangalore-560 058
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Report No.: TR/EMC/61795-3

TEST REPORT

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1. Scope

1.	Service request number	61795
2.	Requested by (Name & Address of the Organization)	M/s.CEM Solutions Pvt. Ltd. #176, Ground Floor, EPIP Indl. Area, White Field, Bangalore-5600066
3.	Description of the equipment:	
	a) Nomenclature	4 PORT BRI PCI _e
	b) Manufactured by	CEM Solutions Pvt. Ltd.
	c) Model / type no.	ALLO-2/4 BRI _e -EC
	d) Serial no.	CB003
4.	Date of submission of test samples	12/07/2012
5.	Condition of test samples on receipt	Good
6.	Date of start of tests	12/07/2012
7.	Date of completion of tests	12/07/2012
8.	Applicable test specification	FCC Part 15: 2007 Class B
9.	Test category	Performance Test
10.	Environment condition	Temp: 25±5 °C RH: 40 to 75%

2. Major equipments used

SN	Nomenclature	Make	Model	Cal. Due
1.	EMI Receiver	R&S	ESCI7	08-12-2012
2.	EMI Receiver	R&S	ESCI	11-10-2012
3.	Bi-Log Antenna	Electro-metrics	EM-6917B-1	02-07-2013
4.	LISN	EMCO	3825	25-01-2013

This report refers only to the item tested and shall not be reproduced except in full. Refer to Information contained on the cover.

FM/081-10



Date of release 30/06/2010



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Test Parameter : 1) Conducted Emission measurement on power line
2) Radiated Emission measurement @ 3mts. distance
Specification : FCC Part 15: 2007, Class B
Detector used : Quasi Peak (QP) / Average (Avg)

Detector Bandwidth

Frequency (MHz)	Detector Bandwidth (kHz)
0.15 - 30	9
30 - 1000	120

Limits:

<i>Class B</i>				
Conducted Emission measurement on power line			Radiated Emission measurement @ 3mts. distance	
Freq (MHz)	QP (dB μ V)	AVG (dB μ V)	Freq (MHz)	QP (dB μ V/m)
0.15 - 0.5	66-56	56-46	30 - 88	40
0.5 - 5	56	46	88-216	43.5
5 - 30	60	50	216-960	46
			960-1000	54

EUT Configuration: The EUT is a 4 PORT BRI PCI_e tested by connecting it in the PCI express slot of CPU.

Remark: (i)The details of Accessories used in testing listed in Annexure 'A'. (ii)The Images of EUT and Test Setup for Radiated Emission measurement is shown in Annexure 'B' and 'C' respectively. (iii)The graphs of Conducted Emission measurement on power line and Radiated Emission measurement are shown in Annexure 'D' and 'E' respectively.

Summary of test results:

Conducted Emission measurement on power line
Meets the Class B Limits of FCC Part 15
Few Significant emission are reported in page no. 03

Radiated Emission measurement @ 3mts. Distance
Meets the Class B Limits of FCC Part 15
Few Significant emission are reported in page no. 04

