

Fiberroad Technology CO., Ltd

FCC REPORT

Prepared For :	Fiberroad Technology CO., Ltd 4/F, Building 7, Longbi Industry Park, Bantian, Longgang District, Shenzhen, P.R. China
Product Name:	Industrial Ethernet Switch
Model :	FR-6N3104
Additional Model:	FR-6N1102, FR-6N1008, FR-6N1104, FR-6N3102, FR-6N3204, FR-6N3208, FR-6N3216, FR-6N3008, FR-6N3016
Prepared By :	BST testing(Sintek) Co.,Ltd. No.7,New Era Industrial Zone,GuanTian Village,Baoan District,Shenzhen,Guangdong,China
Test Date:	Oct. 08, 2021-Oct. 15, 2021
Date of Report :	Oct. 15, 2021
Report No.:	BSTXD211021101301ER

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TEST REPORT DECLARATION

Applicant	: Fiberroad Technology CO., Ltd
Address	: 4/F, Building 7, Longbi Industry Park, Bantian, Longgang District, Shenzhen, P.R. China
EUT Description	: Industrial Ethernet Switch
Model Number	: FR-6N3104 (Note: The series products have the same circuit diagram, PCB layout and functionality. The differences are the model name and appearance, so, we select FR-6N3104 to test.)
Raiting	: Input: Charger: DC9-56V,2W with rotating light Constant current Constant voltage

Test Standards:

FCC Part 15:2016

The EUT described above is tested by US to determine the maximum emission levels emanating from the EUT, the maximum emission levels are compared to the FCC Part 15 limits. The measurement results are contained in this test report. and Shenzhen BST Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is to be technically compliant with the FCC requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of BST (Shenzhen)Technology Co., Ltd.

Prepared by :

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Reviewer :

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Approved & Authorized Signer :

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Manager



1. GENERAL INFORMATION

1.1. Report information

- 1.1.1. This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that BST approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that BST in any way guarantees the later performance of the product/equipment.
- 1.1.2. The sample/s mentioned in this report is/are supplied by Applicant, BST therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.
- 1.1.3. Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through BST, unless the applicant has authorized BST in writing to do so.

1.2. Test Facility

The test site used to collect the data is located on the address of BSL Testing Co.,LTD.

(FCC Registered Test Site Number: 191509) on NO.
24, ZH Park, Nantou, Shenzhen, 518000 China

The Test Site is constructed and calibrated to meet the FCC requirements.

1.3. Test Uncertainty

(95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.2dB
Uncertainty for Radiation emission test (30MHz to 1GHz)	4.0dB

2. PRODUCT DESCRIPTION

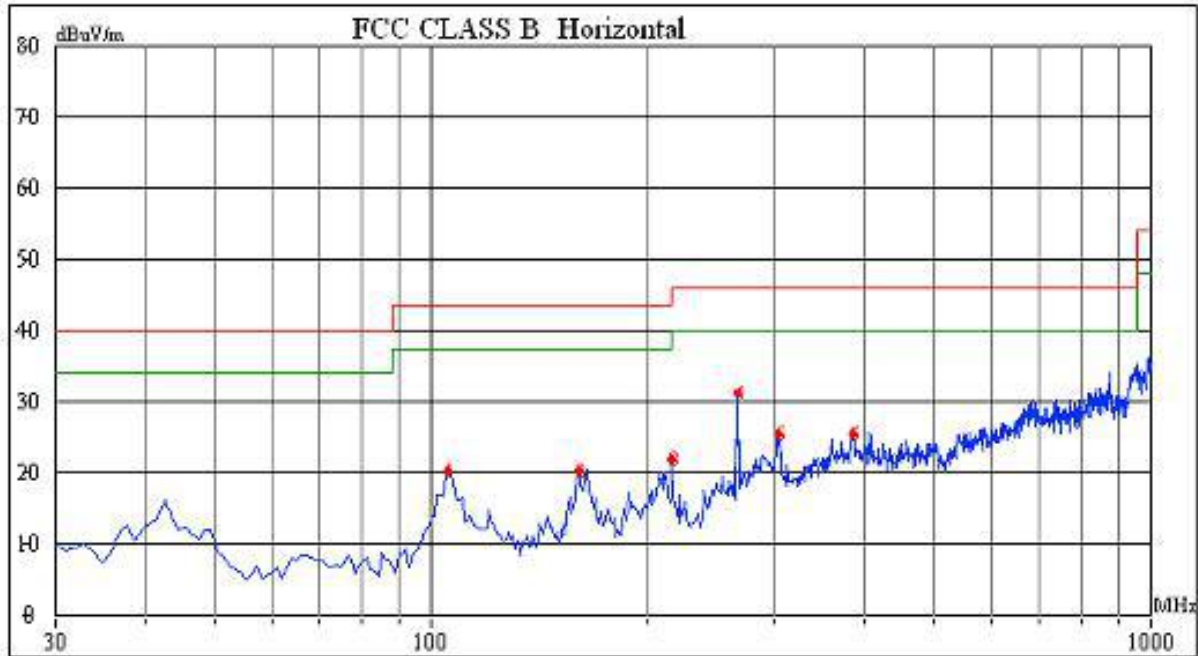
2.1. EUT Description

Description	:	Industrial Ethernet Switch
Applicant	:	Fiberroad Technology CO., Ltd 4/F, Building 7, Longbi Industry Park, Bantian, Longgang District, Shenzhen, P.R. China
Manufacturer	:	Fiberroad Technology CO., Ltd 4/F, Building 7, Longbi Industry Park, Bantian, Longgang District, Shenzhen, P.R. China
Model Number	:	FR-6N3104 FR-6N1102, FR-6N1008, FR-6N1104, FR-6N3102, FR-6N3204, FR-6N3208, FR-6N3216, FR-6N3008, FR-6N3016

2.2. Test Conditions

Temperature: 23~25°C

Relative Humidity: 55~63 %

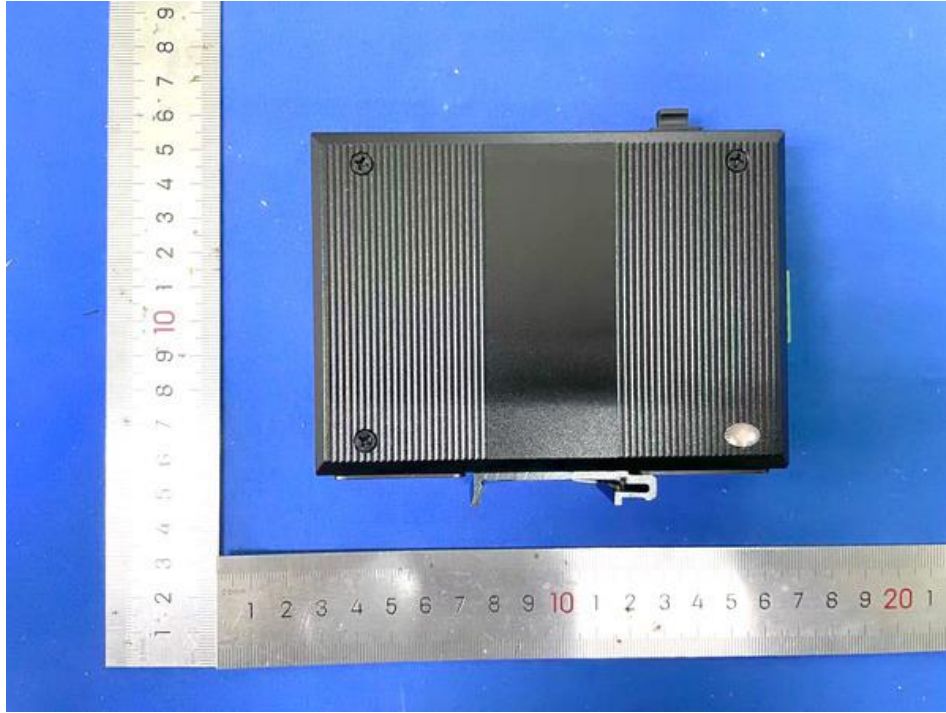


	Freq(MHz)	Level(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Reading(dBuV)	Factor(dB)	Remark
1	105.6600	20.30	-23.20	43.50	11.96	8.34	
2	159.9800	20.26	-23.24	43.50	9.36	10.90	
3	216.2400	21.98	-24.02	46.00	11.68	10.30	
4	266.6800	31.25	-14.75	46.00	14.67	16.58	
5	303.5400	25.49	-20.51	46.00	7.36	18.13	
6	385.0200	25.57	-20.43	46.00	4.40	21.17	



	Freq(MHz)	Level(dBuV/m)	Margin(dB)	Limit(dBuV/m)	Reading(dBuV)	Factor(dB)	Remark
1	105.6600	36.20	-7.30	43.50	16.77	19.43	
2	162.8900	29.38	-14.12	43.50	10.13	19.25	
3	216.2400	32.96	-13.04	46.00	9.91	23.05	
4	266.6800	37.39	-8.61	46.00	16.34	21.05	
5	319.0600	39.16	-6.84	46.00	16.12	23.04	
6	385.0200	28.75	-17.25	46.00	3.66	25.09	

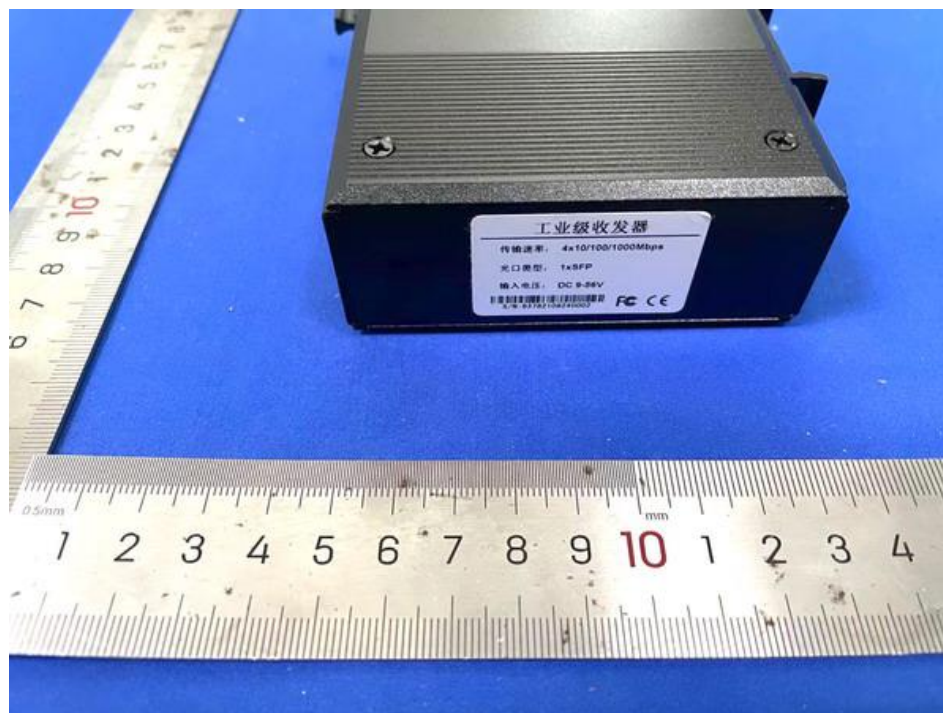
TEST PHOTOS



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