



Rep No. COM12-GPE070194AN

TEST REPORT

Name of Sample	Broadband Digital Transmission System
Brand Name	Customer self test
Manufacturer	Customer self test
Client	Customer self test
Test Sort	Commission Test
Test Item	Water-proof and Dust-proof Test

Shenzhen EBO Testing Center

Address: 1-4F, Huafang Science Park, Xin'an Sixth Road, 82nd District, Bao'an, Shenzhen, 518040, P. R. China.
TEL: 0755-29451282 FAX: 0755-22639141
Web: <http://www.ebotak.cn> E-Mail: ebo@ebotak.cn

EBO/T (01)

page 1 of 8



Rep No. COM12-GPE070194AN

SHENZHEN EBO TESTING CENTER			
TEST REPORT			
Client	Customer self test		
Manufacturer	Customer self test		
Name of sample	Broadband Digital Transmission System		
Brand Name	Customer self test		
MIN	APM-101R, APM-101RH, APM-102R, APM-102RH, APM-103R, APM-103RH, LigoPTP 5-N MIMO, LigoPTP 5-N PRO, LigoPTP 5-23 MIMO, LigoPTP 5-23 PRO, LigoPTP 5-N UNITY, LigoPTP 5-23 UNITY, APC MACH5 V2 (Appearance the same structure)		
Test Model	Customer self test		
Application data	July 30, 2012	Test date	July 31, 2012~ August 1, 2012
Sample description One sample, Number: 1#, in good condition before test.			
Test item Water-proof and Dust-proof Test.			
Reference documents EN 60529:1991+A1:2000+AC: 1993.			
Summary According to the EN 60529:1991+A1:2000+AC: 1993, samples have been performed Water-proof and Dust-proof Test, after test the appearance and function of samples are normal, details see next pages.			
Test conclusion See test summary.			
Tested by:	<i>Michael</i>	Approved by:	
Inspected by:	<i>Jason</i>	Date of issue:	August 6, 2012

EBO/T (01)

page 2 of 8



Rep No. COM12-GPE070194AN

Environment Condition:

Environment Temperature: 25°C
 Relative Humidity: 65%RH

Test summary:

No.	Test Item	Test Requirement	Test Result
1	Dust-proof Test (IP6X)	a. Type of dust: Talcum powder; b. Test duration: 8 hours; After test, no deposit of dust shall be observable inside the enclosure.	Pass
2	Water-proof Test (IPX7)	a. Use diving box, above the water level in the sample shell ; b. Bottom samples from the surface a distance of 1 m; c. Test time: 30 min; After test, no water into the unit by visual inspection and no functional degradation were noticed.	Pass

Testing Instruments:

No.	NAME	Type	PRODUCER	Serial No.
1	Sand and dust Tryout case	WH-SC800	Dongquan Wei Huang Test Equipment Co., Ltd.	A0411367
2	Pendular Water Proof Tester	JQ-7-8	Guangzhou Jianqiao Test Equipment Co., Ltd.	DIN40050

Notes: The above instrument is within the metering test cycle.



Rep No. COM12-GPE070194AN

Sample Photos



Fig 1 (Before Test)



Fig 2 (After Test)



Rep No. COM12-GPE070194AN

Sample Photos



Fig 3 (Before Test)



Fig 4 (After Test)



Rep No. COM12-GPE070194AN

Sample Photos

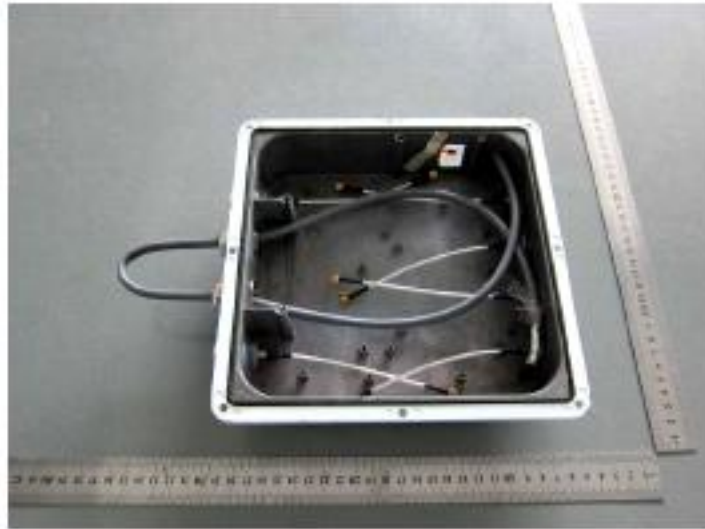


Fig 5 (Before Test)

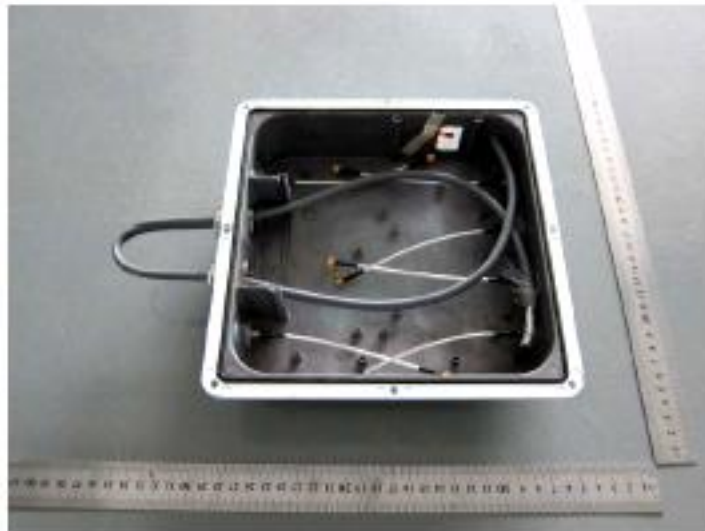


Fig 6 (After Test)



Rep No. COM12-GPE070194AN

Test Photos



Fig 7 (Dust-proof Test)



Fig 8 (Water-proof)



Rep No. COM12-GPE070194AN

STATEMENT

1. The test report is invalid without stamp of laboratory.
2. The test report is invalid without signature of person(s) testing and authorizing.
3. The test report is invalid if erased and corrected.
4. Test result of the report is valid to the test samples if sampling by client.
5. The test report shall not be reproduced except in full, without written approval of the laboratory.
6. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Shenzhen EBO Testing Center

Address: 1-4F, Hualong Science Park, Xin'an Sixth Road, 82nd District, Bao'an, Shenzhen, 518040, P. R. China.

TEL: 0755-29451282
Web: <http://www.ebotek.cn>

FAX: 0755-22639141
E-Mail: ebo@ebotek.cn

EBO/T (01)

page 8 of 8