

## RELIABILITY TEST REPORT

Report No: 20201006002

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Date: October 6, 2020

RAYTAC CORPORATION  
5F., NO.3, JIANKANG ROAD, ZHONGHE DISTRICT,  
NEW TAIPEI CITY, 23586, TAIWAN

Product Description: nRF52833 Bluetooth Module  
Style / Item No.: MDBT50-512K/P512K / No.1, No.2  
Manufacturer/ Vendor: Raytac Corporation  
Country of Origin: Taiwan  
Testing Required: Low temperature maintain test  
Testing Method: JASO D001-94, Clause 5.12  
Quantity: Total 2 sets  
Testing Period: Sep. 21, 2020 to Sep. 24, 2020  
Testing Results: -Please See Attached Sheets

**Signed for and on behalf of  
Raytac Corporation.**

Stanley Huang  
Deputy Manager

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### 1. Low temperature maintain test:

Test Equipment:

Name	Brands	Model	Serial No.
Testing Chamber	Haich	HC-TOPH-22-CH	QHC20200707-122-3
DC Power Supply	GOODWILL	GPC-1850D	E873364

### Lab Environmental Conditions:

Ambient Temperature: (25 ± 3) °C

Ambient humidity: (55 ± 20) % RH

### Test Method/ Specification:

Test method: Refer to JASO D001-94, Clause 5.12

Sample condition: Operating

Temperature: -40°C

Duration: 72 Hours

- Sample Condition: Operating
- Examine the appearance of specimen(s) by visual check and perform functional check during this test.
- Functional check: Connect the specimen(s) with notebook and examine whether the signal transmission could work normally or not.



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Specimen:

Style / Item No.: MDBT50-512K/P512K / No.1, No.2

Quantity: Total 2 sets

Testing time: 72 hours

Data packet size: 244 bytes

Data rate: 244 bytes \* 4 packets/sec = 976 bytes/sec

Number of data sent: Total 252,979,200 bytes

Test Result:

Check Item Style/Items No.	Appearance check ( Visual check )	Functional Check
MDBT50-512K / No.1	No visible damage	No data loss
MDBT50-P512K / No.2	No visible damage	No data loss

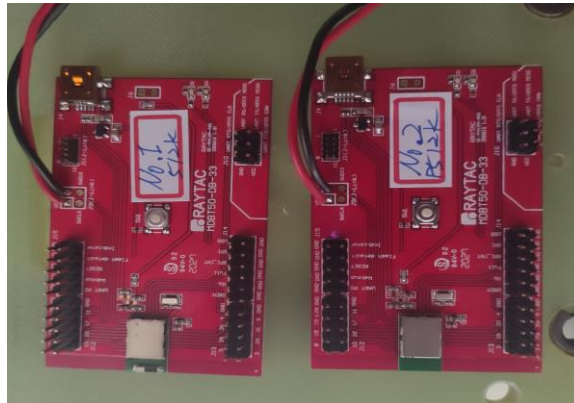
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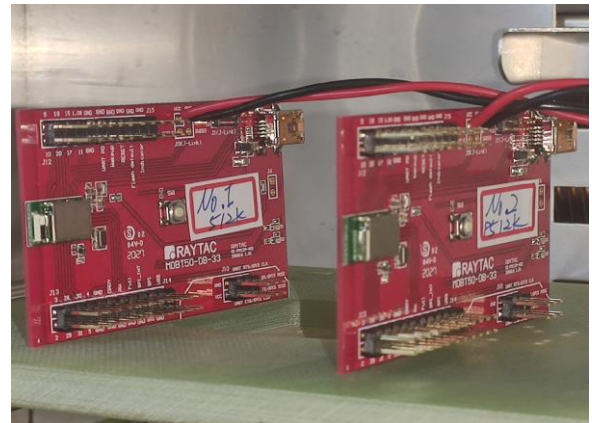
## Test Photos:



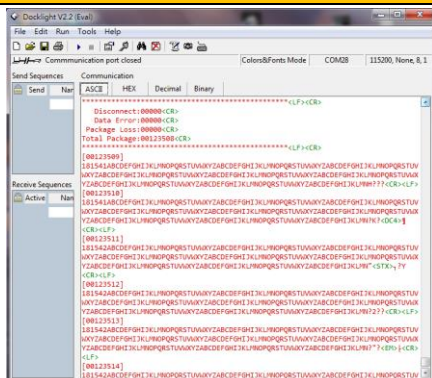
### 1. Appearance of specimen



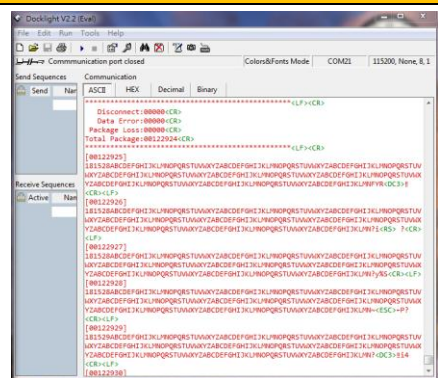
### 2. Low temperature maintain test



### 3. Low temperature maintain test



### 4. Functional check MDBT50-512K / No.1



### 5. Functional check MDBT50-P512K / No.2

— — — The End of Test Report — — —