

Chip722 Current Test Report

版本 1.0

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# Current Test

## Test Condition

|  |  |
| --- | --- |
| **Information** | **Condition** |
| Chip Name | Chip722A |
| Temperature | 25℃ |
| DC | 3.3V |
| RF Test Bin |  |

Test block diagram was shown in below picture.

**Digital Multimeter**

GPIB

**PC**

RF cable

**WIFI Tester**

**DUT**

*UART*

Figure 1-1. Test Block Diagram

## Transmitter ( Tx ) Current Test Result

|  |  |  |  |
| --- | --- | --- | --- |
| **Rate** | **Power(dBm)** | **Max\_Curr(mA)** | **Avg\_Curr(mA)** |
| 1m | 19.45 | 324.84 | 201.86 |
| 2m | 19.39 | 337.82 | 206.76 |
| 5.5m | 19.5 | 347.67 | 211.77 |
| 11m | 19.36 | 340.36 | 208.06 |
| 6m | 17.86 | 271.28 | 173.52 |
| 9m | 17.87 | 266.76 | 171.21 |
| 12m | 17.87 | 266.86 | 171.28 |
| 18m | 17.87 | 256.64 | 167.62 |
| 24m | 16.87 | 245.74 | 162.26 |
| 36m | 16.86 | 257.13 | 166.42 |
| 48m | 15.85 | 242.51 | 159.05 |
| 54m | 13.8 | 225.34 | 150.5 |
| HT20 MCS0 | 17.78 | 263.82 | 169.79 |
| HT20 MCS1 | 17.77 | 280.38 | 178.05 |
| HT20 MCS2 | 17.77 | 265.85 | 170.81 |
| HT20 MCS3 | 16.76 | 261.37 | 168.51 |
| HT20 MCS4 | 16.76 | 264.62 | 170.13 |
| HT20 MCS5 | 15.75 | 240.82 | 158.27 |
| HT20 MCS6 | 13.71 | 221.26 | 148.46 |
| HT20 MCS7 | 12.72 | 198.63 | 138.59 |
| HT40 MCS0 | 17.7 | 263.25 | 174.45 |
| HT40 MCS1 | 17.65 | 263.33 | 174.28 |
| HT40 MCS2 | 17.63 | 263.22 | 174.19 |
| HT40 MCS3 | 16.64 | 242.67 | 163.92 |
| HT40 MCS4 | 16.64 | 243.33 | 164.41 |
| HT40 MCS5 | 15.63 | 224.21 | 155.31 |
| HT40 MCS6 | 13.59 | 204.95 | 145.73 |
| HT40 MCS7 | 12.58 | 203.01 | 143.95 |

## Receiver ( Rx) Current Test Result

|  |  |  |
| --- | --- | --- |
| **Rate** | **Max\_Curr(mA)** | **Avg\_Curr(mA)** |
| 1m | 80.06 | 79.25 |
| 2m | 80.27 | 79.12 |
| 5.5m | 81.29 | 79.33 |
| 11m | 79.84 | 79.07 |
| 6m | 79.79 | 79.19 |
| 9m | 80 | 79.25 |
| 12m | 79.84 | 79.21 |
| 18m | 81.83 | 79.21 |
| 24m | 79.95 | 79.22 |
| 36m | 79.9 | 79.01 |
| 48m | 80.22 | 79.31 |
| 54m | 80.06 | 79.23 |
| HT20 MCS0 | 82.26 | 79.36 |
| HT20 MCS1 | 81.13 | 79.4 |
| HT20 MCS2 | 79.9 | 79.22 |
| HT20 MCS3 | 80.27 | 79.15 |
| HT20 MCS4 | 81.94 | 79.28 |
| HT20 MCS5 | 79.95 | 79.23 |
| HT20 MCS6 | 85.05 | 79.39 |
| HT20 MCS7 | 80.65 | 79.24 |
| HT40 MCS0 | 87.63 | 85.32 |
| HT40 MCS1 | 87.37 | 85.46 |
| HT40 MCS2 | 87.26 | 85.5 |
| HT40 MCS3 | 87.15 | 85.34 |
| HT40 MCS4 | 86.67 | 85.37 |
| HT40 MCS5 | 87.2 | 85.43 |
| HT40 MCS6 | 87.63 | 85.3 |
| HT40 MCS7 | 86.88 | 85.42 |