

ULC Headset V2R1

Antenna Return Loss Test Report

For Milord PCB

Version: 1.4

Project Name: MNX-2231

Test Date: 2007/12/13

Tested by: Jack Xi /Rex Ni

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MICROLINK

Test SETUP

1.1 Test Unit

1. Hardware Version: V2R1, Milord PCB
2. Housing: NCVN black

1.2 Return Loss (VSWR) Test

Test Equipment

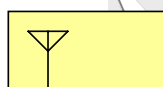
1. Vector Network Analyzer, Anritsu

Test Architecture

Vector Network Analyzer



DUT



Test Procedure

1. Calibrate the vector network analyzer for one port reflection calibration with frequency range from 2.2GHz to 2.7GHz.
2. Solder a 50-ohm RF cable with a SMA connector on PCBA and assemble all the accessories and the housing.
3. Connect the network analyzer cable to the DUT through an SMA connector to antenna.
4. Measure the sample in the free space and record S11 (return loss) as test1; Then measure the sample again while wearing the sample on ear and record S11 as test2.

2 TEST SUMMARY AND RESULT

- ### 2.1 Return Loss Test Summary
- (Remark: L4=1.8nH, C9=0.5pF, with Milord pcb, battery is stucked on black housing)

Frequency point	2402MHz	2441MHz	2480MHz
Sample1-Test1	-19.314	-25.766	-14.783

Unit: dB

2.2 Return Loss Results(Remark:L4=1nH,C9=1pF,battery is stucked on housing)

Phantom Head:

Sample1 (BDA:000C55FB5E02)-test1

