



FCC ID: M82-AIM8IEM  
Report No.: T181123D04-RP1

ISED: 9404A-AIM8IEM

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Rev.: 00

# RADIO TEST REPORT

<b>Test Standard</b>	<b>FCC Part 15.247 + IC RSS-247 Issue 2 FCC Part 15.225 + IC RSS-210 Issue 9</b>
<b>Brand name</b>	<b>ADVANTECH</b>
<b>Product name</b>	<b>Computer</b>
<b>FCC Model No.</b>	<b>AIM8IEM; AIM8IEMxxxxxxxxxxxxxxxx (where "x" may be any alphanumeric character, "-" or blank for marketing purpose and no impact safety related critical components and constructions)</b>
<b>IC Model No.</b>	<b>AIM8IEM</b>
<b>Test Result</b>	<b>Pass</b>

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory).

Approved by:

Tested by:

Sam Chuang  
Manager

Jerry Chuang  
Engineer

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.  
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## Test Data Re-Use Summary

### Introduction Section:

The application re-uses data collected on a similar device. The subject device of this application (Model: Computer, FCC ID: M82-AIM8IEM, ISED: 9404A-AIM8IEM) is electrically identical to the reference device (Model: Computer, FCC ID: M82-AIM8I, ISED: 9404A-AIM8I) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

### Differences Brief Description:

The WLAN, BT and RFID hardware of this device are identical to the implementation in FCC ID: M82-AIM8IEM.

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The Product Equality Declaration document includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.



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**Spot Check Verification Result Summary**

Equipment Class	Reference FCC ID / ISED No.	Folder Test	Report Title/ Section
DSS	M82-AIM8I / 9404A-AIM8I	DSS Report	All Section
DTS-BLE	M82-AIM8I / 9404A-AIM8I	BLE DTS Report	All Section
DTS-WLAN	M82-AIM8I / 9404A-AIM8I	WLAN DTS Report	All Section
RFID	M82-AIM8I / 9404A-AIM8I	RFID Report	All Section

**Summary of the spot check for Unlicensed bands and Licensed bands**

In order to confirm hardware similarity of the subject device with the reference device, we used same setting power to spot check measurement were performed on the subject device for the Band edge and Harmonic, the test result were similar with FCC ID: M82-AIM8I/ ISED: 9404A-AIM8I).

Report	Test Item	Cannel	Measured Frequency (MHz)	M82-AIM8I / 9404A-AIM8I		M82-AIM8IEM / 9404A-AIM8IEM		Gap (dB)	
				Peak	Average	Peak	Average	Peak	Average
DSS	Band edge	78	2480.004	100.69	97.48	101.35	97.75	0.66	0.27
	RSE	78	4960.000	41.45	30.55	41.05	30.19	-0.40	-0.36
DTS-BLE	Band edge	39	2479.840	103.04	102.41	98.16	97.23	-4.88	-5.18
	RSE	39	4960.000	42.06	31.88	41.66	30.05	-0.40	-1.83
DTS-WLAN (40MHz)	Band edge	9	2442.200	104.56	95.30	98.57	88.09	-5.99	-7.21
	RSE	1	4827.000	50.95	40.15	44.64	40.24	-6.31	0.09
RFID	RSE	1	13.5600	49.56	-	48.72	-	-0.84	-