

FCC RF Test Report

APPLICANT : LC Future Center Limited Taiwan Branch
EQUIPMENT : Notebook
BRAND NAME : Lenovo
MODEL NAME : TP00086A
FCC ID : 2AJN7-TP00086AUC
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter (PCB)

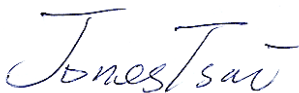
Equipment: AirPrime EM7455 and Intel 8260NGW tested inside of Lenovo Notebook.

This is a variant report which is only valid together with the original test report. The product was received on Nov. 18, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-D-2010 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager



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FCC ID : 2AJN7-TP00086AUC

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Report Issued Date : Jan. 04, 2017

Report Version : Rev. 01

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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|--------------|---------|-------------------------|---------------|
| FG6N0822-08A | Rev. 01 | Initial issue of report | Jan. 04, 2017 |
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1 General Description

1.1 Applicant

LC Future Center Limited Taiwan Branch

7F., No. 780, Beian Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

1.2 Manufacturer

LC Future Center Limited Taiwan Branch

7F., No. 780, Beian Rd., Zhongshan Dist., Taipei City 104, Taiwan (R.O.C.)

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|--|
| Equipment | Notebook |
| Brand Name | Lenovo |
| Model Name | TP00086A |
| FCC ID | 2AJN7-TP00086AUC |
| Sample 1 | EUT with Antenna 1 |
| Sample 2 | EUT with Antenna 2 |
| Integrated WWAN Module | Manufacturer: Sierra Wireles Brand Name: AirPrime Model Name: EM7455 |
| Integrated WLAN Module | Brand Name: Intel Model Name: 8260NGW |
| EUT supports Radios application | WCDMA/HSPA/LTE WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE |
| EUT Stage | Production Unit |

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. This is a variant report by TP00086A (FCC ID: 2AJN7-TP00086A) change WLAN module from Intel 8265NGW to Intel 8260NGW. WWAN RSE spot check has been performed on 2AJN7-TP00086AUC (model: TP00086A). Other test cases were performed on original report which can be referred to Sporton Report Number FG6N0822A. Based on the original report, only worst case was verified in the LTE report.



1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|--|
| Tx Frequency | WCDMA: Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz |
| Rx Frequency | WCDMA: Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz |
| Type of Modulation | WCDMA: BPSK (Uplink) HSDPA: 64QMA (Downlink) HSUPA: QPSK (Uplink) |

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



Appendix A. Antenna Information

| EM7455 | | | | 3G<E |
|-----------|--------------|---------------------|-----------|--------|
| Antenna 1 | Manufacturer | Amphenol | Peak gain | 2.97 |
| | P/N | LX-7845-16-000-C | Type | PIFA |
| Antenna 2 | Manufacturer | Speedwire | Peak gain | 2.94 |
| | P/N | F.0G.ZV-0006-001-00 | Type | PIFA |