

SGS-CSTC Standards Technical Services Co., Ltd.

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen,

Guangdong, China 518057

+86 (0) 755 2601 2053 Telephone: Report No.: SZEMO10070422704 Fax:

+86 (0) 755 2671 0594 Page : 1 of 3 sgs_internet_operations@sgs.com Email:

RF Exposure Evaluation declaration

SZEMO100704227RF **Application No.:**

Applicant: ALBAHITH TECHNOLOGIES (Known as Younivate) Address of Applicant: 165, King Abdullah Second Street Amman, 11953 Jordan Manufacturer: ALBAHITH TECHNOLOGIES (Known as Younivate)

ALBAHITH is the ODM/OEM

Address of Manufacturer: 165, King Abdullah Second Street Amman, 11953 Jordan

Factory: We normally subcontract with EMSs. Currently we use the following

EMS:(we may use some other EMS in diffcountry)

Address of Factory: 1-4 Floor, B Building, Shan Li Lang Village Ind, Buji Town

Shenzhen 518112, People's Republic of China.

FCC ID: YLNY5030-C

Fundamental Carrier

2405MHz~2475MHz Frequency:

Equipment Under Test (EUT):

Name: Fleet Management System

Y5030-C, Y5031-C Model No.:

Trade Mark: Younivate Date of Receipt: 2010-07-07

Date of Test: 2010-07-13 to 2010-08-18

Date of Issue: 2010-08-26

Test Result: PASS*

Authorized Signature:

Jack Zhang

Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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.

In the configuration tested, the EUT complied with the standards specified above.



SGS-CSTC Standards Technical Services Co., Ltd.

Report No.: SZEMO10070422704

Page : 2 of 3

2 RF Exposure Evaluation

2.1 Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm2)	Average Time (Minutes)		
(A) Limits for Occupational/ Control Exposures						
300-1500			F/300	6		
1500-100,000			5	6		
300-1500			F/1500	6		
1500-100,000			1	300		

F= Frequency in MHz

Friis Formula

Friis transmission formula: $Pd = (Pout*G)/(4*pi*r^2)$

Where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sqs.com/terms and conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sqs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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."



SGS-CSTC Standards Technical Services Co., Ltd.

Report No.: SZEMO10070422704

Page : 3 of 3

2.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18℃ and 78% RH.

2.3 Test Result of RF Exposure Evaluation

Product: Fleet Management System

Test Item: RF Exposure Evaluation

Test Site: No.3 OATS

Antenna Gain: 3.2dBi

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.09dBi in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance (2.09dBi):

Channel	Frequency (MHz)	Output Power to Antenna (mW)	Power Density at R = 20 cm (mW/cm2)
1	2405	31.550	0.013
6	2440	30.690	0.013
11	2475	28.249	0.012

The distance r (4th column) calculated from the Fries transmission formula is far shorter than 20 cm separation requirement.