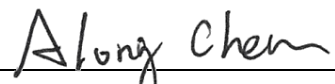


FCC RF Exposure Report

FCC ID : O62-DL200
Equipment : DATA LOGGER
Model No. : DL200
Multiple Listing : DL200XX (X=0-9, A-Z or Blank)
(Only for marketing purpose.)
Brand Name : Darfon
Applicant : Darfon Electronics Corp
Address : 167, ShanYing Road, Gueishan, Taoyuan
33341, Taiwan
Standard : 47 CFR FCC Part 2.1091
Received Date : Sep. 20, 2016
Tested Date : Sep. 22, 2016

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Assistant Manager

Approved by:

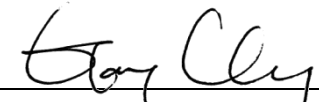

Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FA692001	Rev. 01	Initial issue	Oct. 19, 2016

1 MPE EVALUATION OF MOBILE DEVICES

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

1.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm ²)	Averaging Time (minutes)
300~1500	F/1500	30
1500~100000	1.0	30

1.2 MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * \pi * R^2}$$

Where

Pd= Power density in mW/cm²

Pt= EIRP in mW

π= 3.1416

R= Measurement distance

1.3 MPE EVALUATION RESULTS

MPE evaluation result of this device.

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412~2462	23.65	3.38	20	0.100	1

MPE evaluation result of Simultaneous transmission

Below certified WWAN module will be installed in the device.

FCC ID	Q78-MF226
Product	HSPA+ LGA Module

Evaluation result of FCC ID: Q78-MF226

Mode	Maximum Peak Conducted Power (dBm)	Time slot	Maximum Average Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
GSM850	32.87	1	23.84	1.00	20	0.061	0.549
GPRS850	33.41	1	24.38	1.00	20	0.069	0.549
EGPRS850	27.62	1	18.59	1.00	20	0.018	0.549
PCS1900	30.64	1	21.61	2.50	20	0.051	1
GPRS1900	30.68	1	21.65	2.50	20	0.052	1
EGPRS1900	27.88	1	18.85	2.50	20	0.027	1

Mode	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WCDMA850	23.90	1.00	20	0.061	0.549
WCDMA1900	23.96	2.50	20	0.088	1

Both of the WLAN 2.4G & WWAN can transmit simultaneously, the formula of calculated the MPE is:

$$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$$

CPD = Calculation power density

LPD = Limit of power density

$$\text{MPE Evaluation} = \text{Maximum MPE of 2.4GHz} + \text{Maximum MPE of WWAN} = 0.1 / 1 + 0.069 / 0.549 = 0.225$$

CONCLUSION:

MPE evaluations of single and simultaneous transmission meet the requirement of standard

2 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin
Kou District, New Taipei City,
Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd St.,
Kwei Shan District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==