

RF EXPOSURE REPORT

REPORT NO.: SA120117C11

MODEL NO.: WMTA-155AN

FCC ID: X3XWMTA-155

RECEIVED: Jan. 17, 2012

TESTED: Feb. 01 ~ Feb. 09, 2012

ISSUED: Feb. 20, 2012

APPLICANT: ELMO COMPANY, LIMITED

ADDRESS: 6-14, MEIZEN-CHO, MIZUHO-KU NAGOYA,

467-8567, JAPAN

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,

New Taipei City, Taiwan (R.O.C.)

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei

Shan Hsiang, Taoyuan Hsien 333, Taiwan,

R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120117C11	Original release	Feb. 20, 2012

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1. CERTIFICATION

PRODUCT: WHDI Tx Module

MODEL: WMTA-155AN

BRAND: ELMO

APPLICANT: ELMO COMPANY, LIMITED

TESTED: Feb. 01 ~ Feb. 09, 2012

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (Model: WMTA -155AN) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, dat a evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurement s of the sample's EMC characteristics under the conditions specified in this report.

Polly Chien / Specialist

APPROVED BY: , DATE: Feb. 20, 2012

Gary Chang / Technical Manager



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD POWER DENSITY (mW/cm²)		AVERAGE TIME (minutes)				
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE								
300-1500			F/1500	30				
1500-100,000			1.0	30				

F = Frequency in MHz

2.2 MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

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

2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

MODULATION MODE	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
WHDI (20MHz)	17.6	2	20	0.018	1
WHDI (40MHz)	18.4	2	20	0.022	1