Maximum Permissible Exposure

Equipment	:	**Wireless CCD MONITOR**
Model No.	:	**TX600**
FCC ID	:	**2AH3S-TX600**
Standard	:	**ANSI/IEEE C95.1**
Applicant **Manufacturer**	:	**Chen-Hong Technology CO.,LTD.** 5F., No.33, Banxin Rd., Banqiao Dist., New Taipei City 220, Taiwan (R.O.C.)

The product sample received on Feb. 16, 2016 and completely tested on May 02, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI/IEEE C95.1 and shown 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:

Kevin Liang / Assistant Manager

Testing Laboratory
1190

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1 HUMAN EXPOSURE ASSESSMENT 4

1.1 Maximum Permissible Exposure 4

Revision History

Report No.	Version	Description	Issued Date
FA620221AC	Rev. 01	Initial issue of report	May 24, 2016

1 Human Exposure Assessment

1.1 Maximum Permissible Exposure

1.1.1 Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/ cm²)**	**Averaging Time |E|²,|H|² or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	($900 / f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	F/300	6
1500-100,000	-	-	5	6
Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/ cm²)**	**Averaging Time |E|²,|H|² or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	F/1500	30
1500-100,000	-	-	1.0	30
Note 1: f = frequency in MHz ; *Plane-wave equivalent power density Note 2: For the applicable limit, see FCC 1.1310				

1.1.2 MPE Calculation Method

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

1.1.3 Result of Maximum Permissible Exposure (2.4G)

RF General Information					
Frequency Range (MHz)	**Modulation Mode**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**
2400-2483.5	16 QAM	2403-2478	1-26 [26]	1	23.58
2400-2483.5	QPSK	2403-2478	1-26 [26]	1	22.02
2400-2483.5	BPSK	2403-2478	1-26 [26]	1	19.63

Worst Maximum RF Output Power Result					
Exposure Environment	General Population / Uncontrolled Exposure				
Separation Distance (cm)	20				
Condition	**RF Output Power (dBm)**				
Modulation Mode	**N_{TX}**	**Chain- Port 1**	**DG (dBi)**	**EIRP Power**	**PD (S) (mW/cm²)**
16 QAM	1	23.58	2	25.58	0.07190
QPSK	1	22.02	2	24.02	0.05020
BPSK	1	19.63	2	21.63	0.05020
Maximum Permissible Exposure Limit (mW/cm²)					1
Note 1: N_{TX} = Number of Transmit Chains					