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REF: NM.BKS.01.02.01.01 KLT10(40)

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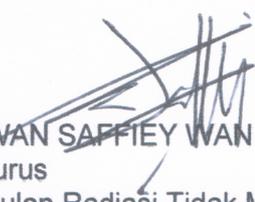
14 Disember 2011

Tuan.

Per: Laporan Ujian Radiasi "Zillion Electricity Saver Cards, Zillion Super Chip and Zillion Sleep Well Card"

Berhubung dengan perkara di atas bersama-sama ini disertakan dokumen-dokumen ujian bagi sampel-sampel di atas seperti mana yang diminta oleh pihak tuan.

Sekian, terima kasih.


DR. WAN SAFFIEY WAN ABDULLAH
Pengurus
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TEST REPORT ON NON-IONIZING RADIATION TEST OF ZILLION ELECTRICITY SAVER CARDS, ZILLION SUPER CHIP & ZILLION SLEEP WELL CARD

Date of Report : 14 Disember 2011

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Test Date : 9 & 13 Disember 2011

Related Document: 1. ICNIRP Guidelines; Guidelines for limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz), Health Physics Vol. 74 No 4 April 1998.
2. National Radiological Protection Board; Electromagnetic Fields and the Risk of Cancer, Documents of the NRPB Vol. 3 No. 1 1992.

OBJECTIVE

The purpose of this test is to analyze any non-ionizing radiation which including radiofrequency/ microwave and infra-red emitting from the test samples.

TEST SAMPLE

Malaysian Nuclear Agency (Nuclear Malaysia) was requested to conduct test on three different types of test samples;

1. ZILLION ELECTRICITY SAVER CARDS
2. ZILLION SUPER CHIP
3. ZILLION SLEEP WELL CARD

STANDARD TESTING EQUIPMENT

1. Gigahertz Transverse Electromagnetic (GTEM) Cell Model 5400 series
2. Aaronia AG Model HF-60105 with Aaronia HyperLOG 60100 Antenna
3. International Light IL1700, No. Siri: 908 with IR Probe, Model; SED007, No. Siri:144, Diffuser W#11574



METHODS

1. Measurement conducted in Gigahertz Transverse Electromagnetic Cell (GTEM Cell) of standard measurement time for each measurement point of 6 minutes.
2. Infra-red (IR) measurement using IL700 with IR probe, Model; SED007. The test sample was placed at 1cm from the test probe and the measurement was taken for 60 times.

RESULTS

Measurement of RF/MW power and electric field strength as given in Tables 1 & 2 shown that the reading in the present of Zillion Samples are similar to the reading of without sample (background radiation). This behavior occurred in both measurement conditions of within GTEM Cell and outside cell (laboratory).

Table1: Measurement of power and electrical field strength using Aaronia AG Model HF-60105 in the GTEM Cell

Type of Zillion Sample	Power (dBm)	Electric Field Strength (mV/m)
No card (Background Radiation)	-42.37	10.25
Electricity Saver Card (ES)	-46.25	7.854
Electricity Saver Card (Premium)	-45.89	7.678
Electricity Saver Card (Deluxe)	-46.16	7.696
Electricity Saver Card (Velocity)	-46.20	7.829
Zillion Super Chip	-46.25	7.987
Zillion Sleep Well Card	-45.92	7.712



Table2: Measurement of power and electrical field strength using Aaronia AG Model HF-60105 outside the GTEM Cell

Type of Zillion Sample	Power (dBm)	Electric Field Strength (mV/m)
No card (Background Radiation)	-34.25	21.05
Electricity Saver Card (ES)	-34.06	21.48
Electricity Saver Card (Premium)	-33.12	21.52
Electricity Saver Card (Deluxe)	-33.21	21.68
Electricity Saver Card (Velocity)	-33.24	21.58
Zillion Super Chip	-34.08	21.56
Zillion Sleep Well Card	-33.51	22.05

CONCLUSION

1. There is no RF/MW and infrared radiations detected from all types of test cards and chips in all conditions of measurement.
2. The test samples are not emitting any forms of non-ionizing radiation and can be considered as free radiation material.
3. The tests shown an indication of RF/MW absorption (see Table 1). A power and field strength is slight decreased with the present of Zillion sample.

