

1. August 26, 1998, 8:09 a.m. Chair called the meeting to order.
Members present were:

Mr. Virgilio P. Arafiles, NCE from DoD Washington, D.C. (Chairman)
Mr. Graham W. Strauss, NCE of the US Navy Air Warfare Center (Vice-Chair)
Mr. Wilfred R. Lauber from CRC Ottawa, Ontario, Canada.
Mr. Don A. Gilliland, NCE from IBM Corporation, Rochester, Minnesota.
(Secretary)

A TC-3 membership sign-up sheet was presented to the secretary. Minutes of the meetings will be forwarded to signees:

Julian A. Montoya	Intel Corporation
Mark Arthurs	Sony corporation
Vitaly Gorodetsky	TUV Rheinland
Walter Scott	DSWA
Bob Scully	Bell Helicopter
Chuck Gray	MicroMotion Inc.
Roger Dalke	NTIA

2. Old Business

a) 1998 minutes were reviewed. Accepted with one correction.

b) Spectrum chart discussion continuing from 1997...

Man made limits included only with allowable amplitudes determined from specification only.

Specifications taken from FCC part 15 9kHz-10GHz

Specifications taken from NTIA

Information from NTIA will be sent to Gilliland via letter.

Starting point Arafiles paper. Arafiles will produce first draft and distribute to everyone.

Will include SAR exposure limit field intensities when possible.

3. New Business

a) Charter

Original TC-3 Charter, valid until changed by the TC-3 committee reads:

"Concerned with all aspects of electromagnetic environments and of man-made and natural electromagnetic noise. These include characterization techniques, measurement methods, instrumentation and characteristics of particular environments. Man-made noise sources include power generation and transmission facilities, broadcast and communication fields, ESD, automotive ignition systems. ISM equipment, office equipment and consumer electrical and electronic devices. Natural radio noise arises from atmospheric (lightning), solar and galactic sources."

Proposed charter submitted by Vil Arafiles (chair) was discussed with concerns regarding the wording of the charter. The wording was changed to reflect the nature of the committee's responsibilities. The proposed TC-3 charter statement was changed from "The charter of TC-3, the Technical Committee on Electromagnetic Environment is to encourage

and conduct research on the:....." to exclude "and conduct". Now reading:

The charter of TC-3, the Technical Committee on Electromagnetic Environment is to encourage research on the :

- a) electromagnetic environment (EME)
- b) development of standards for EMC measurement and characterization,
- c) natural and man-made sources of electromagnetic energy that comprise this environment,
- d) effects of noise (or unwanted portions of EMC) on systems performance, and
- e) effects of international civil and military standards intended to control man-made intentional and unintentional emissions of electromagnetic energy.

Arafiles moved to accept changes, seconded by Gilliland, approved by committee.

b) Five year plan included. Discussion regarding plans for 1998-1999. In particular

Similar poster session for 1999

Spectrum chart paper

papers review responsibilities

Five year plan on floppy will be transferred to following chairman

c) Std 473 review required

Supposed to be updated every 10 years

Should expand to 100GHz

Most now use Spectrum Analyzers

Address specific system antennas, measurement of antenna factors and use of system specific antenna noise factors.

b) Question- Mr. Gilliland brought up a question regarding whether "electronic terrorism" should be addressed by the TC-3 committee? After some discussion it was concluded that the topic would be more appropriately discussed in another committee.

4. Adjournment

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