

13 JAN 1959

MINUTES OF THE MEETING OF  
SUBCOMMITTEE 27.4 ON RADIO INTERFERENCE  
HELD AT IRE HEADQUARTERS  
NOVEMBER 14, 1958

PRESENT:

W. F. Goetter, Chairman

H. R. Butler  
W. F. Byers  
V. J. Mancino  
J. F. Proper

1. The meeting was convened at 11:00 a.m.
2. W. F. Goetter submitted a revised standard as discussed at the previous meeting on October 10, 1958.
3. Mr. Butler questioned the accuracy of the note under 4.2 on page 3 regarding maximum measurement error for directional and non-directional sampling devices. Mr. Proper and Mr. Byers volunteered to check this and report at the next meeting.
4. Mr. Proper submitted a letter received from Mr. W. First of RCA, Broadcast Antenna Sales, regarding the maximum VSWR of RCA dummy loads in the range 5 to 50 KW and over the frequency range 0 to 3,000 megacycles. This information is directly related to the accuracy of measurement of Spurious Output.
5. Mr. Mancino suggested that a second NOTE be added under 4.2(1) which would point out the possible difficulty of sampling the proper mode in a waveguide, as follows:  
  
NOTE. If the transmission path is such that propagation can occur in more than one mode, care should be exercised to insure that the sampling device is coupled to the mode normally energized by the transmitter and all frequencies of interest.
6. Mr. Butler questioned the general procedure specified under 4.3.1 and 4.3.2, and suggested that the procedure should first call for use of the carrier rejection filter and then point out that it could be eliminated if not needed.
7. Mr. Butler suggested that the "variable attenuator" shown in figures 1 and 2 should be "calibrated variable attenuator" and that a note should be added to the effect that this "may be part of frequency-selective voltmeter or receiver".
8. Mr. Butler questioned whether a measurement of the attenuation of the carrier output by the carrier rejection filter as mentioned under 4.3.1(11) was of any importance.

9. The question was asked whether the paragraph numbering system was proper. It was agreed that the number should be changed, if necessary, to be in accordance with any applicable IRE Standard.
10. There was considerable discussion regarding the line stabilization network, maximum measurement frequency, and line stabilization network impedance to be used in measurement of Spurious Output from Transmitter External Wiring.
11. It was agreed that the next meeting should be devoted primarily to a preliminary consideration of section 6 - Spurious Output Due to Transmitter Cabinet Radiation. Mr. Mancino agreed to prepare a preliminary draft for consideration at this meeting.
12. The next meeting will be held January 16, 1959.
13. The meeting adjourned at 3:00 p.m.

Respectfully submitted,

W. F. Goetter, Chairman

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Very truly yours,

Special Agent in Charge

(Name of the official)

(Title of the official)

(Name of the official)  
(Title of the official)