

February 16, 1961

Institute of Radio Engineers
1 East 79th Street
New York 21, New York

Attention: Miss M. Kane

Subject: Minutes of IRE Sub-committee 27.4 Meeting of
December 2, 1960

Please find attached a draft of the minutes of the
subject meeting.

Also please notify members of Sub-committee 27.4 that
a meeting has been scheduled for March 10, 1961.

Very truly yours,

V.J. Mancino, Chairman
Sub-committee 27.4

VJM/jc

21 FEB. 1961

THE INSTITUTE OF RADIO ENGINEERS, INC.
1 East 79th Street, New York 21, N. Y.

60 IRE 27.4 M2

MINUTES OF THE MEETING OF
SUBCOMMITTEE 27.4
HELD AT IRE HEADQUARTERS
DECEMBER 2, 1960

PRESENT:

V. J. Mancino, Chairman

H. R. Butler
W. F. Byers
R. V. Faris
A. W. Silverstein

ABSENT:

H. S. Walker

The meeting was convened at 10:00 A.M. An agenda for the present meeting was discussed briefly. Paragraph 4, "Spurious Output from Transmitter Output Terminals" was discussed first. It was decided to make the first sentence read similar to the first sentence in Paragraphs 5 and 6.

Following this a comprehensive review of Paragraph 6 was made. The following changes or additions were agreed to:

1. Paragraph 6.2.8 was deleted since this is covered in Paragraph 6.2.1.
2. What was formerly the Alternate Method was made the Standard Method and now is Paragraph 6.3.1.
3. In the new Paragraph 6.3.1. the clause following "radiation field" was deleted and the following sentence was added: "Measurements made at lesser distances as may be required at low frequencies will involve the "Induction Field" and the results will require interpretation."
4. In the second sentence of the new Paragraph 6.3.1.3 the clause "orient the pickup device for maximum response and" was inserted between the words "found" and "adjust".
5. Paragraph 6.3.1.4 (new) was revised as follows: "If a frequency-selective voltmeter is used, calibrate according to the recommended manufacturers procedure and measure the spurious radiated signal. If a receiver is used it must be calibrated by means of appropriate calibrated signal generators".

6. Paragraph (old) 6.3.2.5 was deleted.
7. Paragraph 6.3.2.6 is now 6.3.1.5 and was revised to read similar to Paragraph 5.3.1.7.
8. What was formerly the standard method was made the alternate method and the note in Paragraph 6.3.2 was modified to indicate this.
9. In Paragraph 6.3.2.3 the word "reading" was changed to "output indication".
10. In Paragraph 6.3.2.4 the words "a reading" were changed to "an indication".
11. In Paragraph 6.3.2.6 the third sentence was deleted.
12. In Paragraph 6.3.2.7 the word "preset" was changed to "spurious".
13. In Paragraph 6.3.2.8 the wording was changed to read as follows: "Rotate the radiating device for maximum signal into the frequency-selective voltmeter or receiver."
14. In Paragraph 6.3.2.9 the word "reading" was changed to "indication".
15. In Paragraph 6.3.2.9 the words "and the effective gain of" were added following the word "impedance". The second sentence was changed to read as follows: "The equivalent radiated power of the spurious signal in watts can now be calculated as follows:

$$P = I^2 R_a$$
$$R_a = R_g + R + jX$$

Following the discussion of Paragraph 6, Spurious Output due to Transmitter Cabinet Radiation, a discussion was held of Paragraph 5, Measurement of Transmitter External Wiring Spurious Output. The following changes or additions were agreed to:

1. Paragraph 5.2.2 was deleted.
2. Paragraph 5.3.1 the words "voltage of the" were added in the NOTE preceding the words "spurious output".
3. In Paragraph 5.3.1.3 in the second sentence the word "reading" was changed to "indication". Also in this paragraph the CAUTION NOTE was added similar to the NOTE in Paragraph 4.3.1.5.
4. Paragraphs 5.3.1.4 to 5.3.1.7 were revised to read similar to their counterparts in Paragraph 6.
5. In figures 1 and 2 the words "transmitter power service" were changed to "external conductor termination".

The meeting was adjourned at 3:30 P.M.

Respectfully submitted,

V. J. Mancino, Chairman
Subcommittee 27.4

MINUTES ISSUED:
February 21, 1961



THIS SIDE OF CARD IS FOR ADDRESS

INSTITUTE OF RADIO ENGINEERS, Inc.

1 EAST 79 STREET

NEW YORK 21, N. Y.



INSTITUTE OF RADIO ENGINEERS, Inc.

Gentlemen:

I ^{shall} ~~shall not~~ attend the meeting of the

Subcommittee 27.4 on Friday, March 10th, 1961 at 10:00 A. M.
at IRE Headquarters, 1 East 79th Street, New York 21, N. Y.

.....
Date

.....
Signature

V. J. MANCINO

more info

THE INSTITUTE OF RADIO ENGINEERS, INC.
1 East 79th Street, New York 21, N. Y.

61 IRE 27.4 A1
February 20, 1961

TO: Members of Subcommittee 27.4

FROM: V. J. Mancino, Chairman

SUBJECT: Meeting Notice

There will be a meeting of Subcommittee 27.4 on Friday
March 10th, 1961 at 10:00 A. M. at IRE Headquarters, 1 East 79th
Street, New York 21, New York.

Please fill out and return the enclosed attendance
card.

V. J. Mancino, Chairman
Subcommittee 27.4

Enclosure



THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

1 EAST 79 STREET, NEW YORK 21, N. Y.

2/21/61
2/27/61

MEMORANDUM

DATE February 21, 1961

TO V. J. Mancino
FROM Madeline M. Kane, Office of the Technical Secretary

Since we have no address in our files for Mr. H. S. Walker, we would appreciate your forwarding the attached minutes to him. If it is at all possible, we would appreciate your informing us of his address.

Thank you.



THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

1 EAST 79 STREET, NEW YORK 21, N. Y.

MEMORANDUM

DATE February 27, 1961

TO Mr. Vincent J. Mancino, Chairman of Subcommittee 27.4
FROM L. G. Cumming, Technical Secretary

By postal card Mr. R. V. Faris has indicated he will no longer be able to continue as a member of Subcommittee 27.4. Accordingly, we have removed his name from the membership of this group.

MANE AND