| DATE Apr.18/56 SH. 1 OF 2 COMPILED BY | TMC SPECIFICATION NO. S-10014 | |
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| | TITLE: FINAL TEST SPEC. FOR RAC-7A | JOB WT-8 |
| APPROVED W. F. | | |

TEST EQUIPMENT REQUIRED

1. Standard Signal Generator Measurement Corp. Model 82
2. Communications Receiver SP-600
3. Output Meter Heathkit
4. Attenuator pads and 200 ohm balanced to unbalanced transformer to be supplied by Engineering.

TEST SET UP

See Figure 1, Sheet 2 of 2 S-10014.

PROCEDURE

Step 1. Set signal generator output for 100 micro-volts on the pad mark of the attenuator, with a 1000 cycle 30% modulated 3 megacycle signal.

Step 2. Connect test prod (P) to test point (1)(Fig.1) with audio gain control full on, tune the 3 megacycle signal for maximum output and adjust the manual R.F. gain control to obtain one volt of output on the Heathkit voltmeter.

Step 3. Move test prod to test point (2) and increase the attenuator setting of the signal generator until the same reference voltage of one volt is indicated as in step 2.

Step 4. Record the ratio of the attenuator settings on the test sheet provided and calculate the D.B. down figure. Divide column 2 of test sheet by 11.6 and convert this voltage ratio to D.B.

Step 5. Repeat above measurements at 15 megacycles.

TEST LIMITS

Theoretical ratio of attenuator settings is 11.6:1 for zero transformer loss.

Typical attenuator ratios are 15:1 for either frequency, acceptable units must ∉ ratio less than 16.3:1, or less than 3 D.B. down.

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SH. 2 OF 2
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