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**1. Preparation**

**1-1 Overview**

This procedure This procedure describes how to calibrate the RFI.

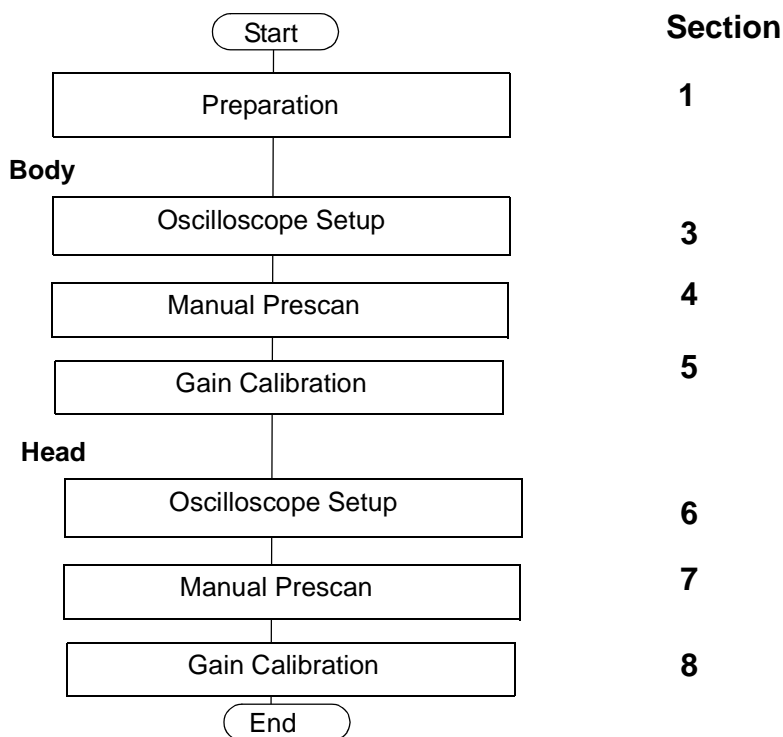
**1-2 Required Tool**

TABLE 1-1  
REQUIRED TOOL

Items	Qty	Check
Oscilloscope with 20MHz bandwidth limit function	1	
Cable Z9807PT	2	
50 ohms terminator Z9807QA (Manufacturin part no. PD003) *1	2	

Note: \*1 Needed only if oscilloscope does not have 50 ohm DC range function

**2. Flowchart**



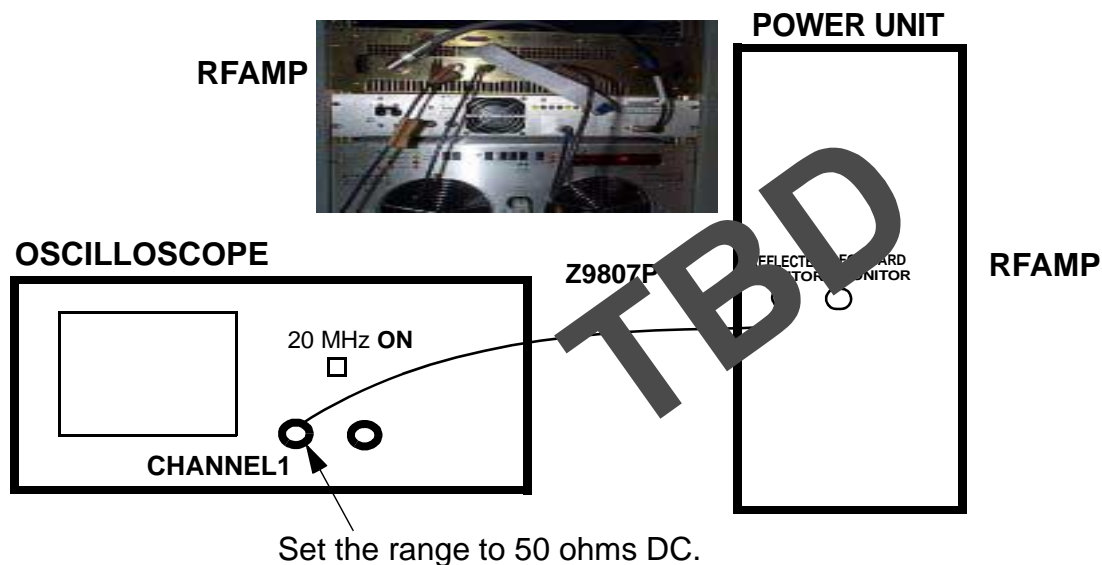
FLOWCHART OF POWER CHECK  
ILLUSTRATION 1

### 3. Setup Oscilloscope

1. Setup oscilloscope according to the following illustration.
2. Set the range to 50 ohms DC.

Note : If your oscilloscope does not have 50 ohms DC range function, use 50 ohm terminator Z9807QA.

3. Turn 20 MHz bandwidth limit function "ON"



Set the range to 50 ohms DC.

If your oscilloscope does not have 50 ohms DC range function, insert 50 ohm terminator Z9807QA here.

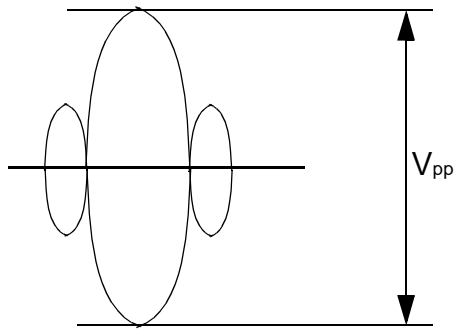
**OSCILLOSCOPE SETUP**  
ILLUSTRATION 2

#### 4. Manual Prescan

1. Set Protocols as follows:
  - Patient Position: Supine
  - Patient Entry: Head
  - Coil: Body
  - Plane: Sagittal
  - Mode: 2D
  - Pulse Sequence: Spin Echo
  - Imaging Option: None
  - # of echo: 1
  - TE: 25
  - TR: 500
  - BW:10.42
  - FOV:40
  - Slice Thickness: 10
  - Spacing: 0
  - Freq.: 256
  - Phase: 256
  - NEX:1
  - Phase FOV: 1
  - Freq. DIR: S/I
  - Auto Center Freq: peak
  - Start: 0
  - End: 0
  - # Slice: 1
2. Perform Manual Prescan and click on "ScanT/R".
3. Set TG to ##.

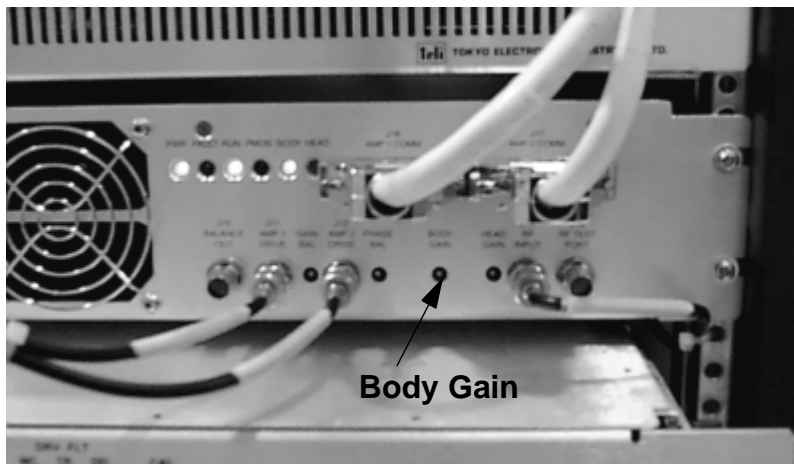
**5. Gain Adjustment**

1. Measure  $V_{pp}$  by the oscilloscope.



**$V_{PP}$**   
ILLUSTRATION 3

2. Adjust Body Gain trimer so that  $V_{PP}$  is within specification.



**BODY GAIN**  
ILLUSTRATION 4

**Revision History**

<b>Rev</b>	<b>Date</b>	<b>Author</b>	<b>Primary Reasons For Change</b>
A	Jan 17, 2001	Y. Masumo	Initial Version