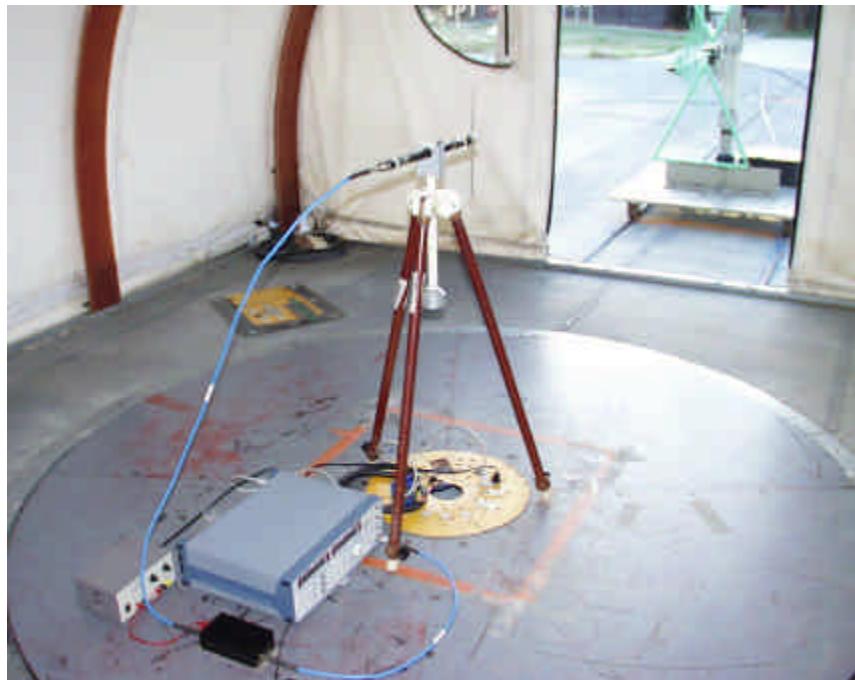
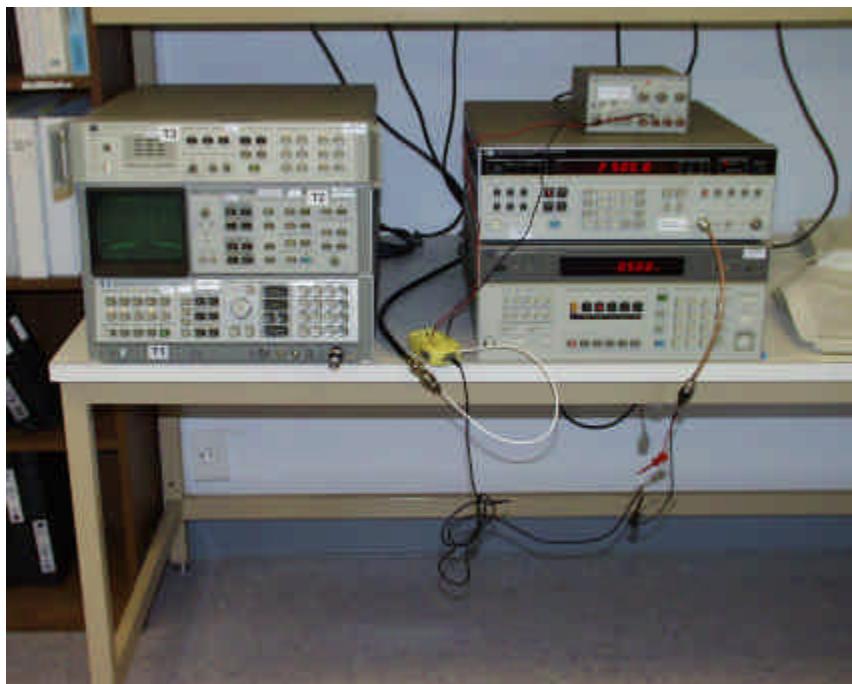




Radiated Emission Setup 30 – 1000 MHz



Radiated Emission Substitution Setup 30 – 1000 MHz



Modulation Characteristic Setup

### 5.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Modulation Analyzer	HP	8901B	3438A05272	05/31/02
Synthesizer Generator	HP	3325A	2652A24749	N/A
Power Supply	HP	6235A	2450A-08312	N/A

## 6. EMISSION BANDWIDTH

### 6.1. PROVISIONS APPLICABLE

According to CFR 47 section 95.633(3), the authorized bandwidth for emission type FRS unit is 12.5 KHz.

### 6.2. MEASUREMENT METHOD

- a). Check the calibration of the measurement instrument using either an internal calibrator or a known signal from an external generator.
- b). Set-up the test equipments as shown in the following Figure (5).

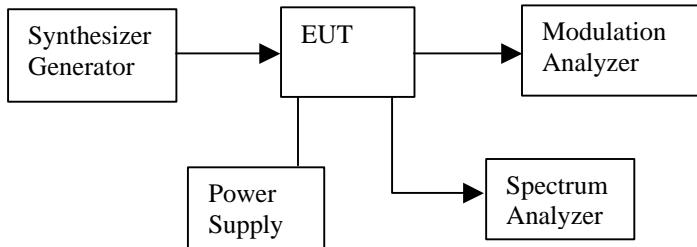
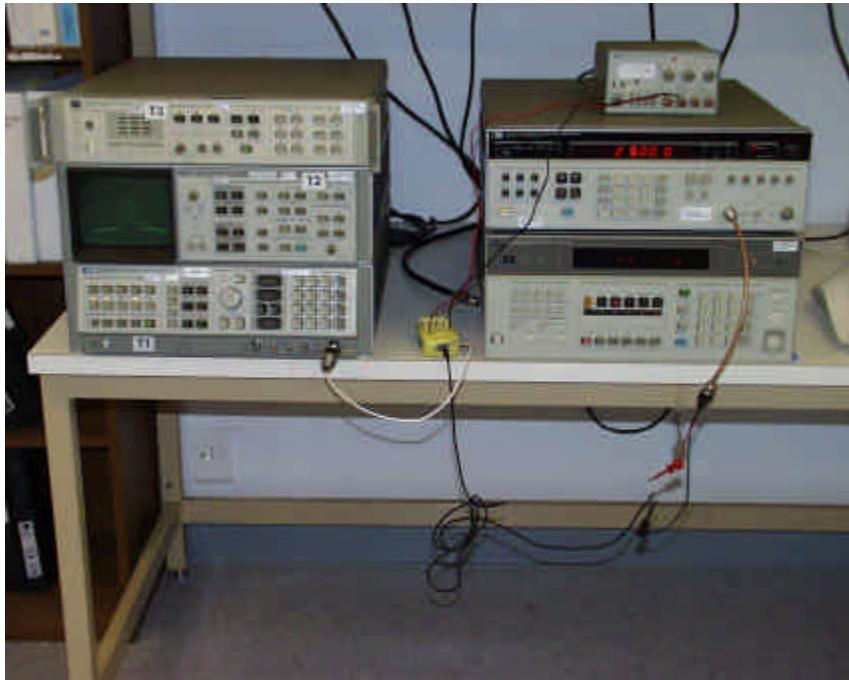
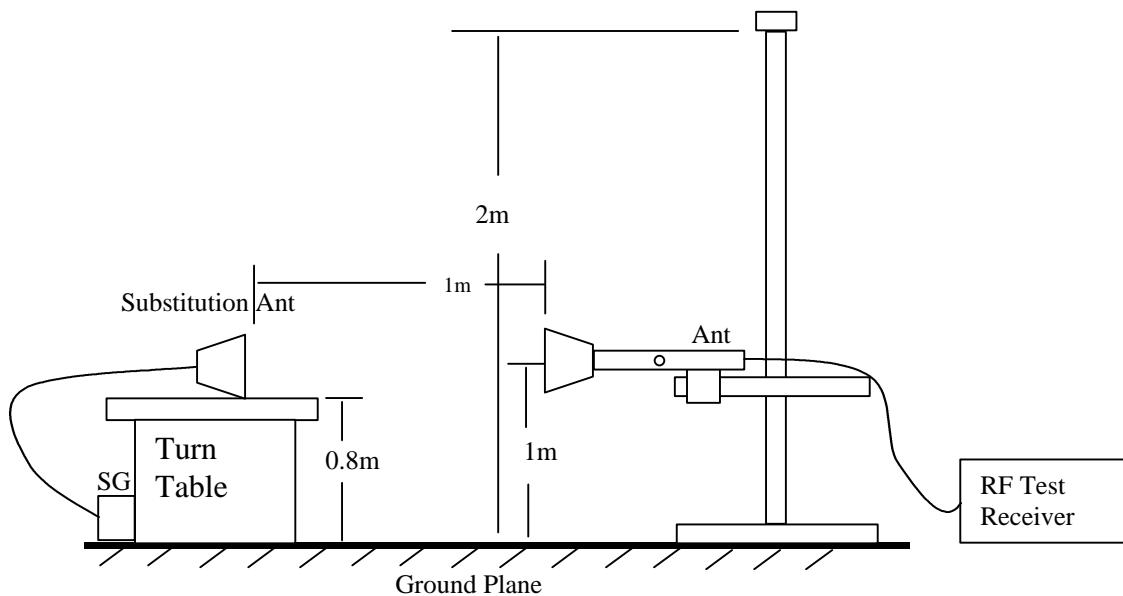


Figure 5: Emission Bandwidth measurement configuration



Emission Mask / Occupied Bandwidth Setup



Radiated Emission – Substitution Method setup



Radiated Emission above 1 GHz measurement setup



Above 1 GHz Substitution Method Setup

### 7.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Spectrum Analyzer	HP	8566B	2140A01296	05/04/02
Amplifier	MITEQ	NSP2600-44	646456	04/12/02
Horn Antenna	EMCO	3115	9001-3245	06/20/02
Horn Antenna	EMCO	3115	2238	06/20/02
Signal Generator	HP	83732B	US34490599	03/21/02

#### Detector Function Setting of Test Receiver

Frequency Range (MHz)	Detector Function	Resolution Bandwidth	Video Bandwidth
30 to 1000	Quasi Peak/Peak	120 KHz/100 KHz	120 KHz/100 KHz
Above 1000	Average/ Peak	1 MHz	1 MHz

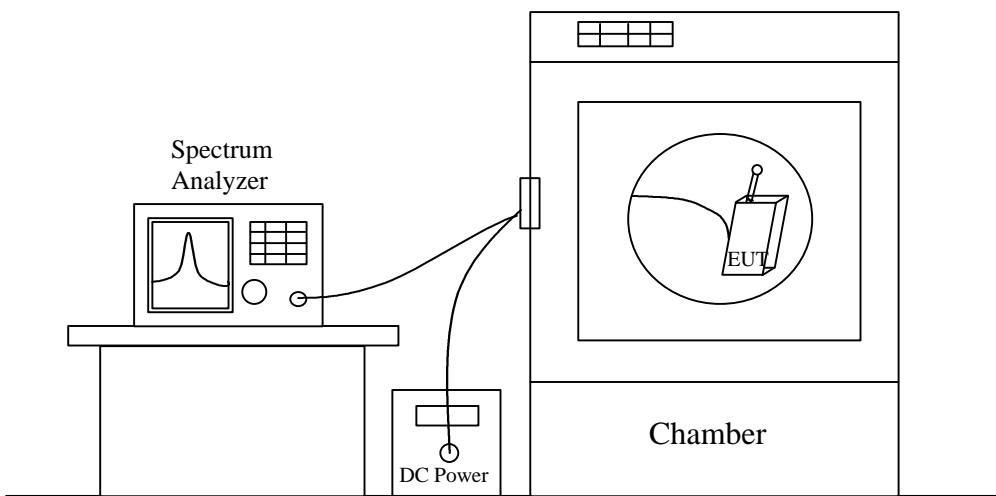
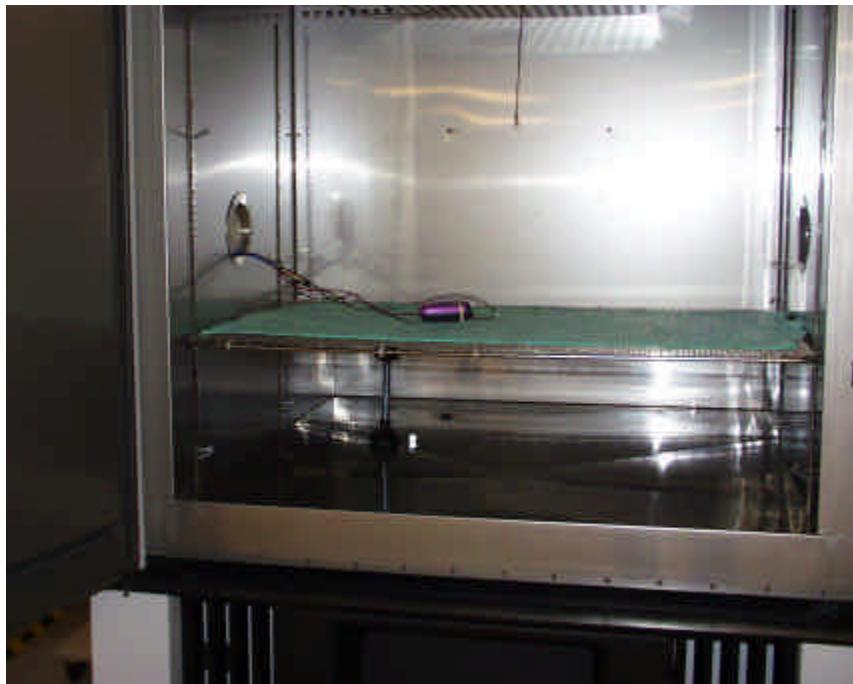


Figure 6: Frequency stability measurement configuration



Frequency Stability VS Environment Temperature Setup



Frequency Stability VS Input Voltage Setup

### 8.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Spectrum Analyzer	HP	8566B	2140A01296	05/04/02
Environmental Chamber	THERMOTRON	SE-600-10-10	29800	03/23/02
Power Supply	HP	6235A	2450A-08312	N/A