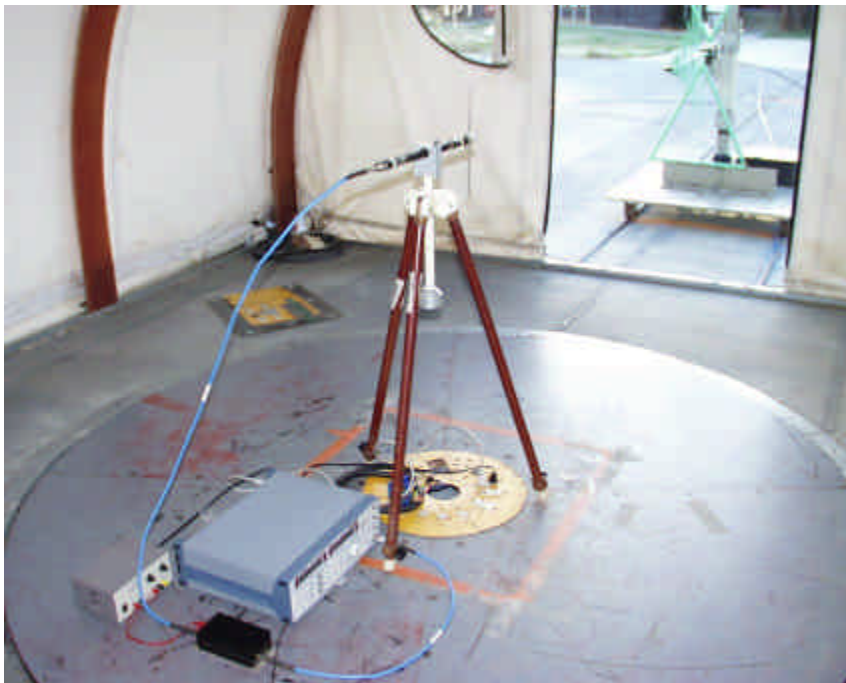
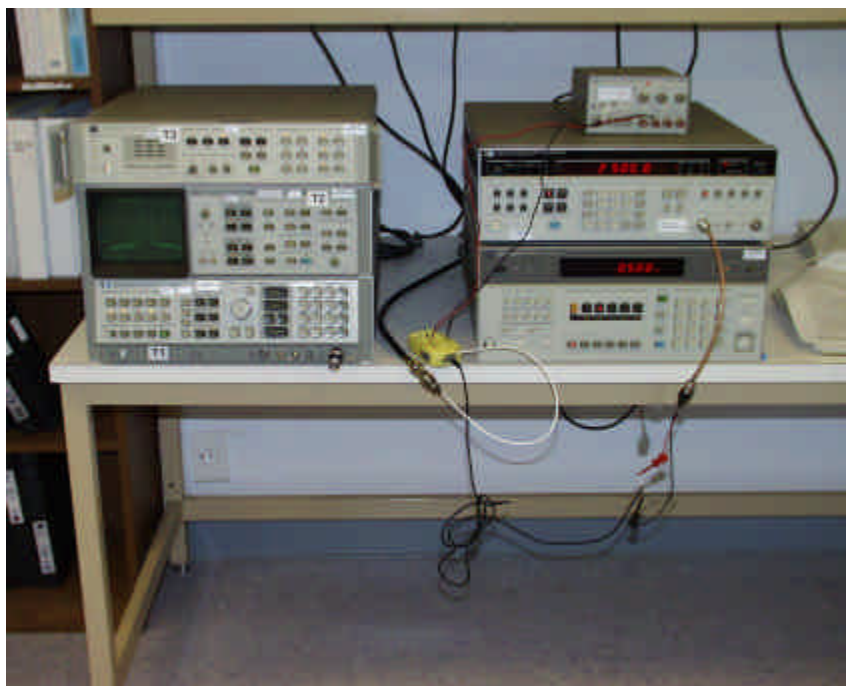




Radiated Emission Setup 30 – 1000 MHz



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

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

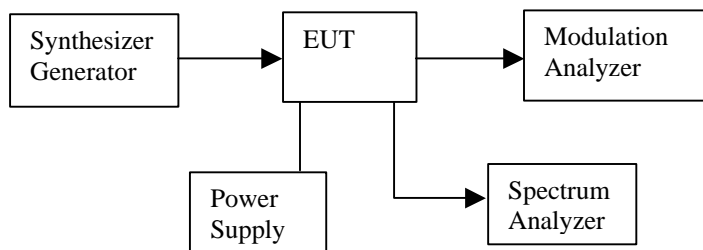
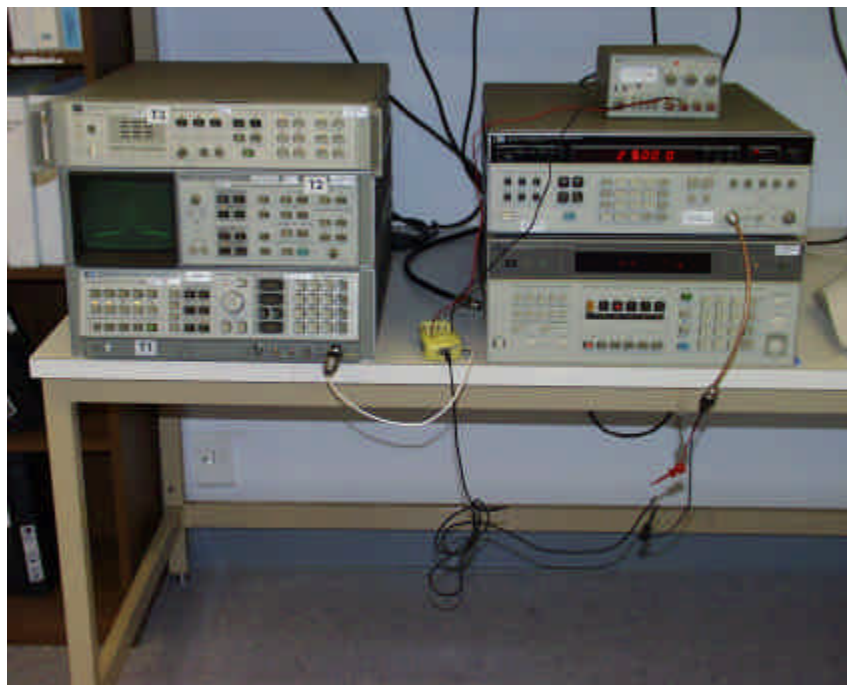
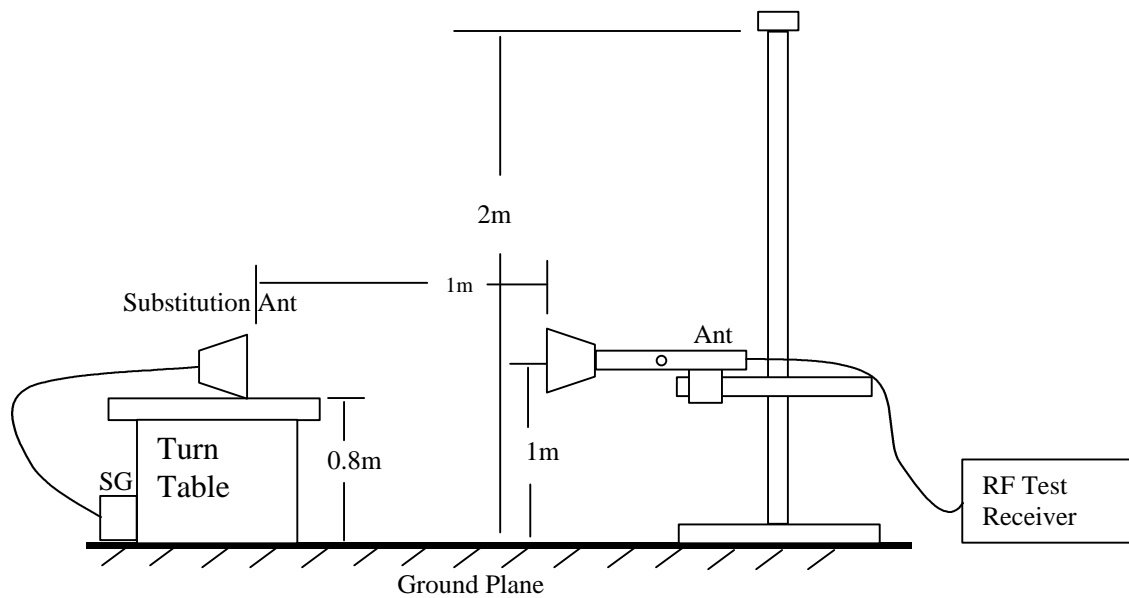


Figure 5: Emission Bandwidth measurement configuration



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

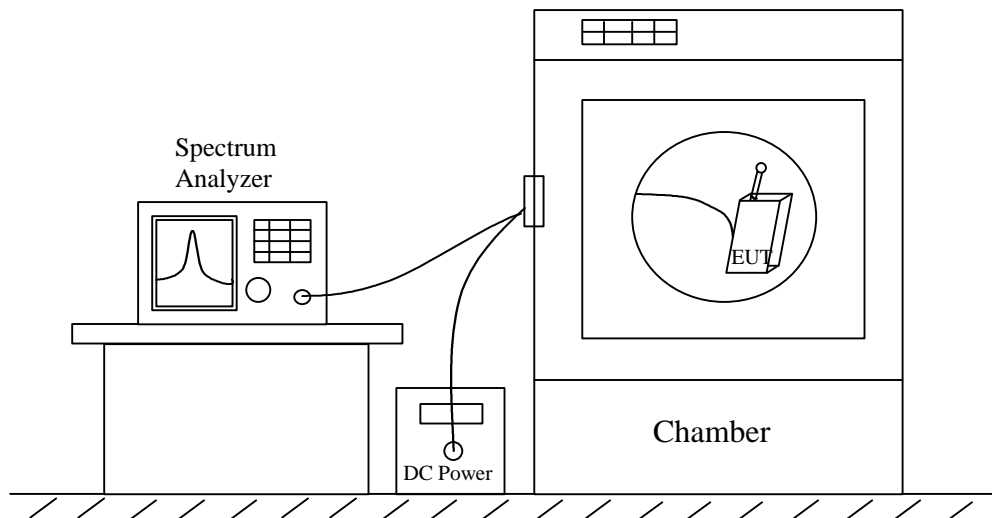
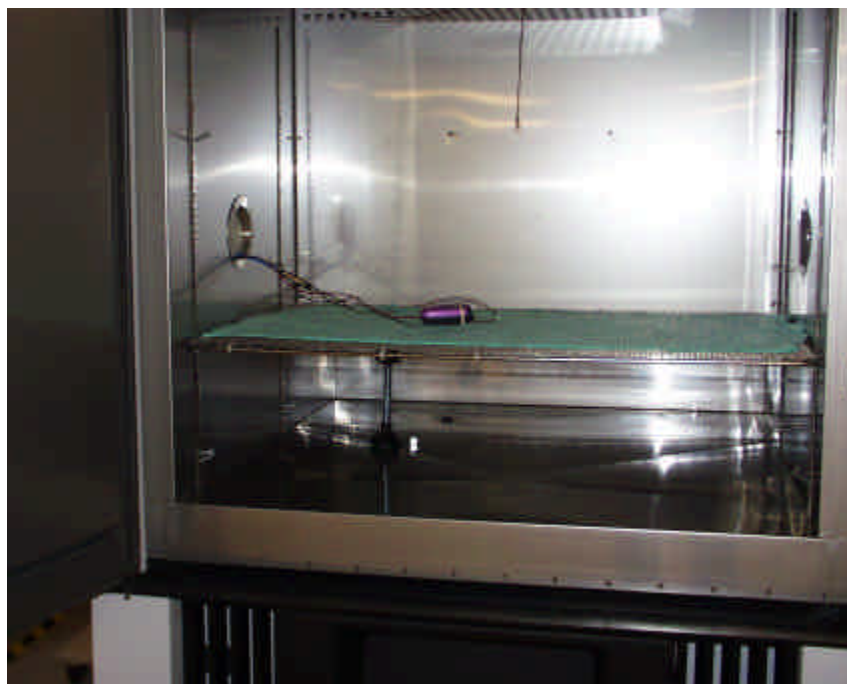


Figure 6: Frequency stability measurement configuration



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