

FCC ID: OR7GL2000

Peak Power Measurement of Fundamental Frequency

Test Setup

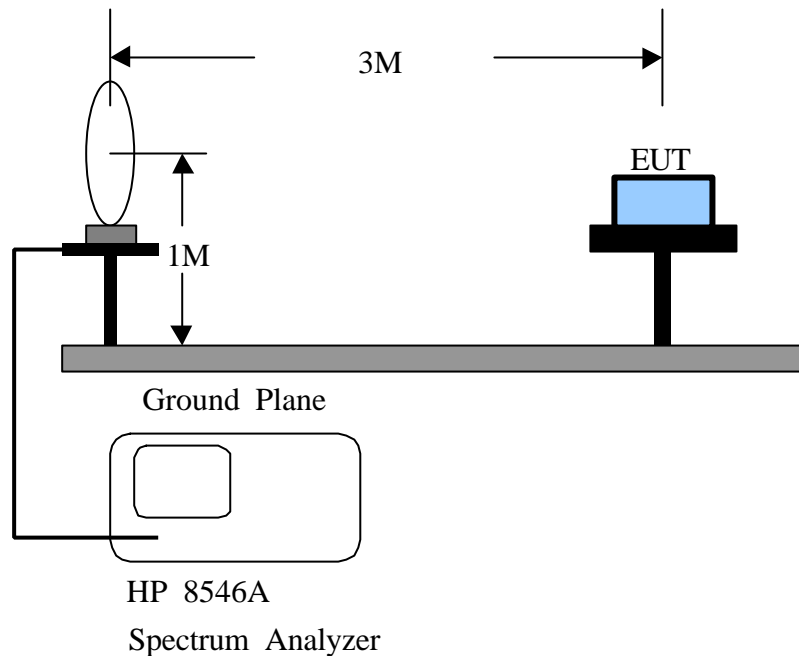


Figure 1

Test Procedure

- The EUT was setup in the anechoic chamber as shown above.
- The loop antenna was located upon its plane vertical, 3-meter distance from the EUT. The center of the loop is 1-meter above the ground plane.
- In order to find the maximum radiation, the EUT was rotated 360° . The measuring antenna was rotated about its axis at each azimuth about the EUT.

List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	H P	3520A00242	06/29/01	06/29/02
RF Filter Section	85460A	H P	3448A00217	06/29/01	06/29/02
Active Loop Antenna	6502	EMCO	2777	07/20/01	07/20/02

Test Result : Pass (Appendix A)

Radiated Emission Test Result:

<i>Frequency: 27.000 MHz (CH 1)</i>					
Antenna Polarity	Reading Amplitude	Correction Factors	Corrected Amplitude	Limit	Margin
H / V	dBμV	dB/m	dBμV/m	dBμV/m	dB
Horizontal	46.83	-13.00	59.83	80	-20.17

Horizontal > Vertical

Radiated Emission Test Result:

<i>Frequency: 27.259 MHz (CH 6)</i>					
Antenna Polarity	Reading Amplitude	Correction Factors	Corrected Amplitude	Limit	Margin
H / V	dBμV	dB/m	dBμV/m	dBμV/m	dB
Horizontal	46.62	-13.00	59.62	80	-20.38

Horizontal > Vertical

Band Edge of Measurement: (Frequency Band: 26.96 ~ 27.28)

Harmonic and Spurious Emission Test Result: (Horizontal)

Horizontal > Vertical

Test Conditions:

Testing room : Temperature : 24 ° C Humidity : 63 % RH
 Testing site : Temperature : 24 ° C Humidity : 65 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B Limit	Margin
MHz	dBμV	m	degree	dB/m	dBμV/m	dBμV/m	dB
26.960	9.48	1.00	254	-13.00	22.48	49.54	-27.06
27.280	12.33	1.00	143	-13.00	25.33	49.54	-24.21

Note:

- 1.Margin = Amplitude – limit, *if margin is minus means under limit.*
- 2.Corrected Amplitude = Reading Amplitude – Correction Factors
- 3.Correction factor = Antenna factor + (Cable Loss – Amplitude gain)
 (For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)