EXHIBIT B

Test Report

<i>Test Report</i> 1/32				
Report No.	M1274002			
Specifications Test Method	FCC Part 74 – Certification ANSI C63.4 1992			
Applicant address	NO. 85, CHANG HSING FIRST STREET, TAI-TZU VILLAGE, JEN-TE HSIAN, TAINAN HSIEN , TAIWAN, R.O.C.			
Applicant Items tested Model No.	WA-GOL INDUSTRIAL CO., LTD. WIRELESS MICROPHONE TRANSMITTER MX-UF1			
Results Sample received date	Compliance (As detailed within this report) 07/15/1999 (month / day / year)			
Prepared by	JAN Ch_ project engineer			
Authorized by	Fank TSoi (Frank Tsai)			
Issue date	<i>Nov. 25, 1999</i> (month / day / year)			
Modifications	None			
Tested by	Training Research Co., Ltd.			
Office at	2F, No. 571, Chung Hsiao E. Road, See.7, Taipei, Taiwan			
Open site at	No. 5-3, Lane 21, Yen Chiu Yuan Rd., See.4, Taipei Taiwan			

Conditions of issue:

- (1) This test report shall not be reproduced except in full, without written approval of TRC. And the test result contained within this report only relate to the sample submitted for testing.
- (2) This report must not be used by the client to claim product endorsement by NVLAP or nay agency of U.S. Government.

★ FCC ID : JEBMX-UF1

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Chapter 0 Application for Certification

2.983 (a)	:	WA-GOL INDUSTRIAL CO., LTD. – applicant and manufacturer		
2.983 (b)	:	The equipment is a transmitter, wireless microphone Model No.: MX-UF1		
2.983 (c)	:	Quantity production is planned		
2.983 (d)(1)	:	Type of emission – F3E- FM Modulation		
2.983 (d)(2)	:	200 Hz ~ 5.348 KHz		
2.983 (d)(3)	:).272 mW		
2.983 (d)(4)	:	Specification of 250 mW is met by the equipment in the applicabl part 74.861 (e)(1)		
2.983 (d)(5)	:	Final RF amplifier stage current : 25mA, 3V Battery		
2.983 (d)(6)	:	Description follows		
2.983(d)(7)	:	Complete circuit diagrams are included . No modification was made.		
2.983 (d)(8)	:	Instruction sheet to user included.		
2.983(d)(9)	:	Tune up procedure follows		
2.983 (d) (11)	:	Description follows		
2.983 (d) (12)	:	N/A		

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Chapter 1 GENERAL

1.1 Introduction :

The following measurement report is submitted on behalf of *WA-GOL INDUSTRIAL CO.*, *LTD* in support of a wireless microphone certification in accordance with FCC Rules. 2.981 through 2.999 and 74.861.

Description of EUT:

EUT	:	WIRELESS MICROPHONE TRANSMITTER
Model No.	:	MX-UF1
Carrier Frequency Range	:	796.1 ~ 806.0 MHz
RF Power Output	:	0.272 mW
Supply Voltage	:	DC 3V
Supply Current	:	25 mA
Frequency Response	:	200 Hz ~ 5.348 KHz
Frequency Stability	:	0.005%
Operating Temperature	:	-30 to $+50$ degree centigrade

Wireless microphone is a transmitter which operates in the frequency range of $796.1 \sim 806.0$ MHz. (798.850MHz, 805.775MHz tested) This microphone is worn by a performer and other participants in a program, filming, reporting ...etc. The relative receiver of this microphone's Model No.: MR-U801is in applying.

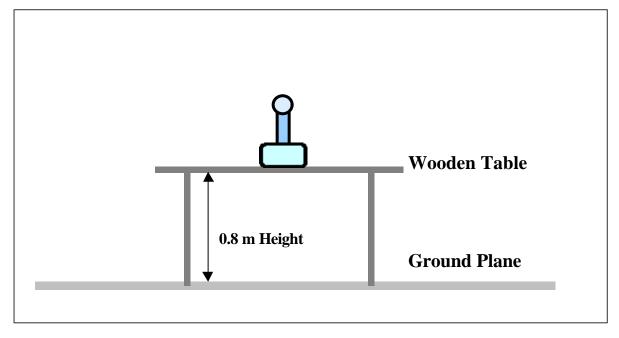
1.2 Description of Support Equipment :

N/A

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1.3 Configuration of test setup



1.4 Location of the Measurement Site :

The radiated emissions measurements required by the Rules were performed on the Three-meter, open-field test site maintained by *Training Research CO., Ltd., No. 5-3, Lane 21, Yen-Chiu-Yuan Rd., Sec. 4, Taipei, Taiwan, R.O.C.* Complete description and measurement data have been placed on file with the Commission. The conducted power line Emissions tests were performed in a shielded enclosure also located at the above facility.

Training Research Co., Ltd. is listed by the FCC as a facility available to do measurement work for others on a contract basis.

1.5 General Test Condition :

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests was chosen as that which produced the highest emission levels. However, only those conditions, which the EUT was considered likely to encounter in normal use were investigated.

Chapter 2 Power Output Measurement

2.1 Rules and Specification Limits

2.985

74.861 (e)(1): The power of the measured unmodulated carrier power at output of the transmitter power amplifier (antenna input power) may not exceed the following: 1. 54 - 72, 76 - 88 and 174 - 216 MHz band 50 mW.

2. 470-608 AND 614-806 MHz band 250 mW.

2.2 Test condition and setup :

- Measurement was made on open-field test site. The EUT system was placed on non-conductive turntable which is 0.8 meters height, top surface 1.0 X 1.5 meter. The EUT was placed in three direction of the space in order to obtain maximum emission.
- 2. A EMCO whole range antenna with horizontal and vertical polarization was raised from 1-4 meter as well as the turntable was rotate from 0 to 360 degree to search for the maximum Field Strength Spectrum where the spectrum analyzer was operated in the quasi-peak detection mode. Recorded all the values, which measured under horizontal and vertical position for the biconical antenna.
- 3. The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt ($dB\mu V$) into field intensity in Watt.
 - (1) The actual field intensity in decibels referenced to 1 micro volt per meter $(dB\mu V/m)$ is determined by algebraically adding the measured reading in $dB\mu V$, the antenna tactor (dB), and cable loss (dB) at the appropriate frequency.
 - (2) The field intensity in Volt can then be determined by the following equation: $FI(Volt) = 10^{FI(dB\mu V/m)/20} \times 10^{-6}$

$FI_a(dB\mu V/m) = FI_r(dB\mu V) + Corrected (dB)$ Corrected (dB) = AF(dB) + CL(dB)

- FIa: Actual Field Intensity
- FIr: Reading of the Field Intensity
- AF: Antenna Factor
- CL: Cable Loss

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The field intensity in Watt can then be determined by the following equation : P (watt) = FI²(Volt) X d² (meter) / 49.2 P : Power in Watt

D : Measurement Distance (3 m)

2.3 List of test Instrument :

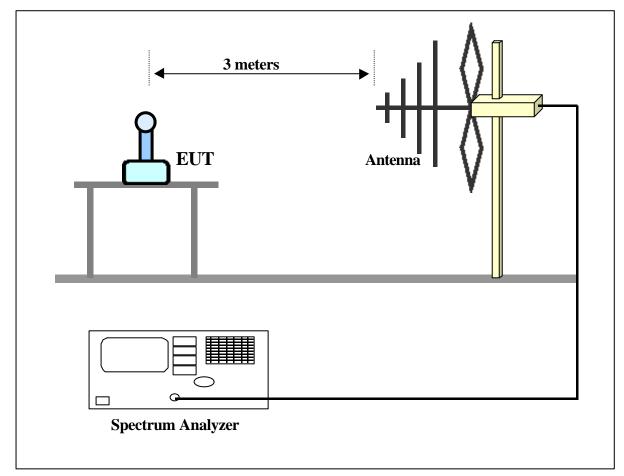
Calibration_Date Instrument Name Model No. Brand Serial No. Last time Next time Spectrum analyzer 8568B ΗP 3004A18617 05/15/99 05/15/00 Quasi-peak Adapter 2521A00984 05/15/99 85650A ΗP 05/15/00 **RF** Pre-selector 85685A ΗP 2947A01011 05/15/99 05/15/00 Spectrum analyzer 8591A ΗP 2919A00263 01/07/99 01/07/00 Antenna (30M-2G Hz) 3142 EMCO 1296 06/10/99 06/10/00 Open test side (Antenna, Amplify, cable calibrated together) 05/15/99 05/15/00

The level of confidence of 95%, the uncertainty of measurement of radiated emission is \pm 4.96 dB.

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2.4 Measurement Configuration

2.5 Measurement Result

The maximum field measured is 91.73 dBµV/m FI (Volt) = $10^{91.73/20}$ X 10^{-6} = 0.03859 V FI (mW) = (0.03859 X 3)²/ 49.2 = 0.272 mW The maximum field measured is 84.72 dBµV/m FI (Volt) = $10^{84.72/20}$ X 10^{-6} = 0.01722 V FI (mW) = (0.01722 X 3)²/ 49.2 = 0.054 mW

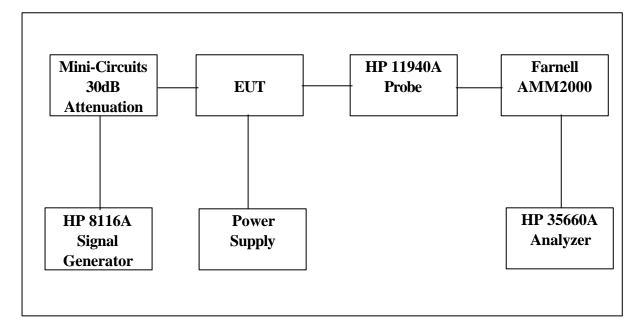
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Chapter 3 Modulation Characteristics Measurement

3.1 Rules and Specification Limits

- 2. 987(a): Voice modulated communication equipment
- 4. 987(b): Equipment which employs modulation limiting

3.2 Test Configuration & List of Test Instruments



List of test instrument :

Manufacturer	Device	Model No.		Input Impedance
HP	Dynamic Signal Analyzer	HP35660A	50	
HP	Signal Generator 50 MHz	HP8116A	50	
Farnell	Modulation Meter	AMM2000		
HP	Close-Field Probe 30M~1GH	z 11940A		

Test Report	_,
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3.3 Frequency Response of Audio Modulation Circuit Measurement Condition & Setup

2.987 (a)

- 1. The EUT and test equipment were set up as shown on the Section 4.2.
- 2. The Plus/Function generator was connected to the audio input circuit/microphone of the EUT.
- 3. The audio signal input was adjusted to obtain 50% modulation at 1 KHz.
- 4. With input levels held constant and below limiting at all frequencies, the generator was varied from 100 Hz to 51.3 kHz.
- 5. The response in dBVrms relative to 1kHz was then measured, using the HP 35660A Dynamic Signal Analyzer as follow page.

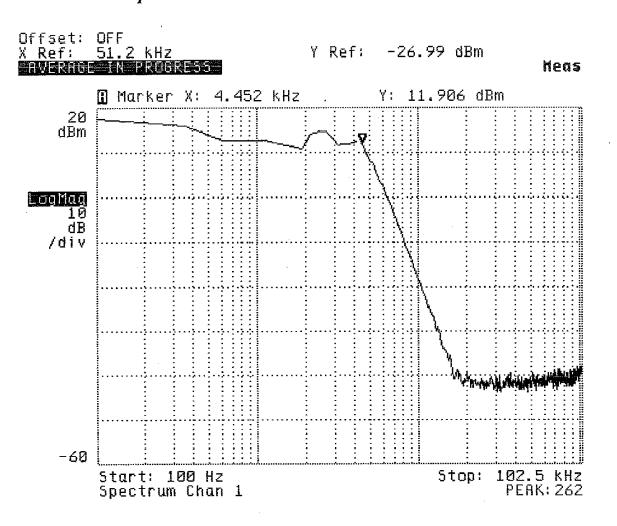
3.4 Frequency Response of Audio Low Pass Filter Measurement Condition & Setup

- 1. The measurement condition and setup as Section 3.3.
- 2. With input levels held constant and below limiting at all frequencies, the generator was varied from 100Hz to 102.5kHz.
- 3. The response in dBVrms relative to 1kHz was then measured, using the HP 35660A Dynamic Signal Analyzer as follow page.

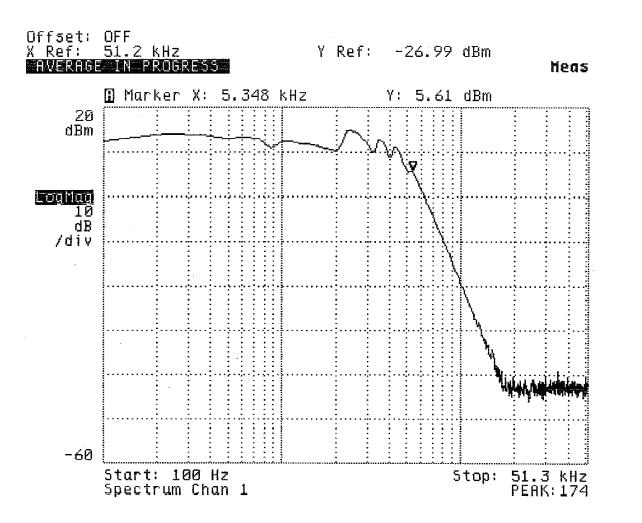
3.5 Modulation Limiting Measurement Condition & Setup

- 1. The signal generator was connected to the input of the EUT as for "Frequency Response of the Modulating Circuit".
- The modulation response was measured for each of three frequencies: 200Hz, 612 Hz, 1.124KHz, 2.404KHz, 3.428KHz, 4.452KHz and 5.348KHz.
- 3. The input level was varied from 30% modulation to at least 20 dB higher than the saturation point.
- 4. Measurements were performed for both negative and positive modulation and the respective results were recorded.
- 5. Measurement results as Chart 3.1 to 3.2

Test Repot --







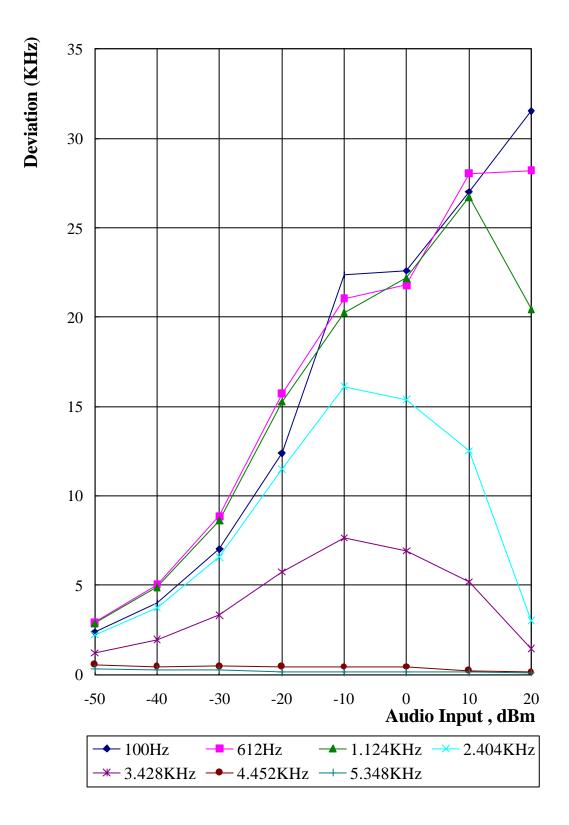


Chart 3.1 Modulation Limiting Measuerment Negative

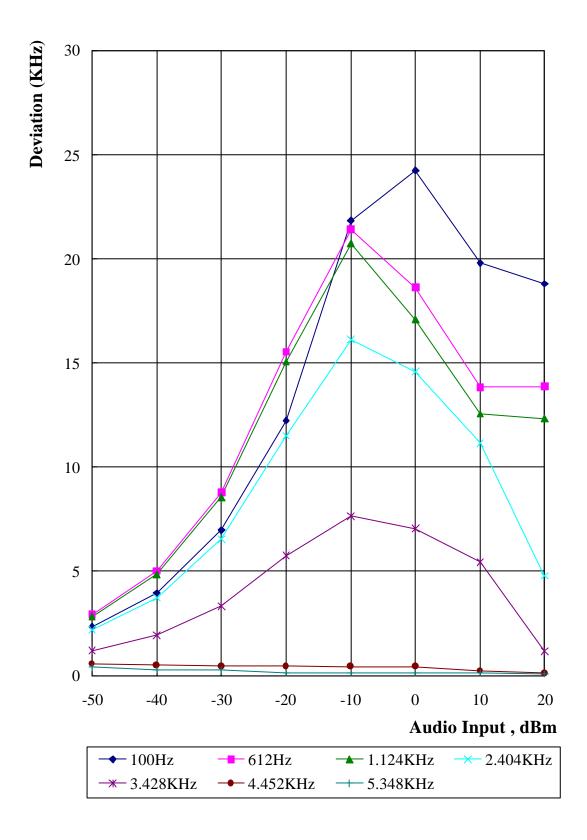


Chart 3.2 Modulation Limiting Measuement Positive

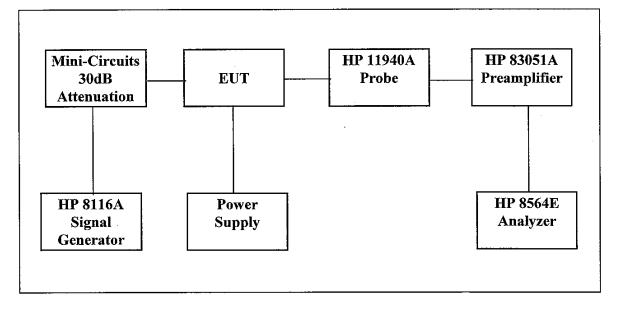
Chapter 4 Occupied Bandwidth Measurement

Rules and Specification Limits 4.1

2.989.

74.861 (e)(3): Any form of modulation may be used. A maximum deviation of \pm 75 KHz is permitted when frequency modulation is employed. 74.861 (e)(5): The operation bandwidth shall not exceed 200 KHz.

Test Configuration & List of Test Instruments *4.2*



List of test Instrument :

Instrument name	Model No.	Brand	Serial No.
Spectrum analyzer (9K ~ 40G Hz)	8564E	HP	
Preamplifier (45M ~ 50G Hz)	83051A	HP	VS36433002
Close-Field Probe $30M \sim 1G Hz$	11940A	HP	

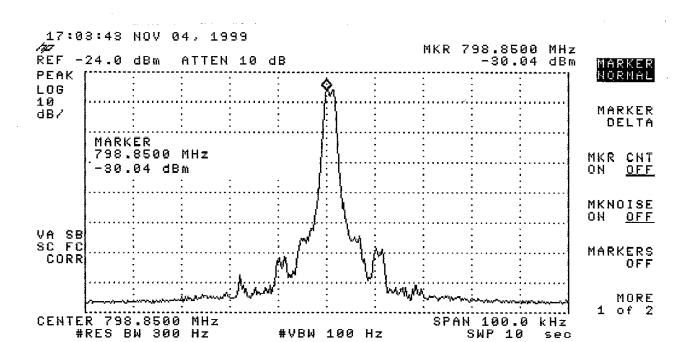
4.3 Measurement Procedure

- 1. Connect the EUT as Section 4.2.
- 2. Plot the unmodulated chart shows on spectrum.
- 3. Set the output of the signal generator to 200Hz, 612Hz, 1.124KHz, 2.404KHz, 4.452KHz, and 5.348KHz. Increase the amplitude of the signal, while monitoring the modulation meter. Until modulation is max. Measure the bandwidth under 26 dB compared to the unmodulated fundamental carrier peak level of the modulated signal displayed on the spectrum analyzer.
- 4. The occupied Bandwidth was measured as follow pages.

4.4 Measurement Result

The occupied bandwidth's plot is presented on following pager which illustrates compliance with the rules.

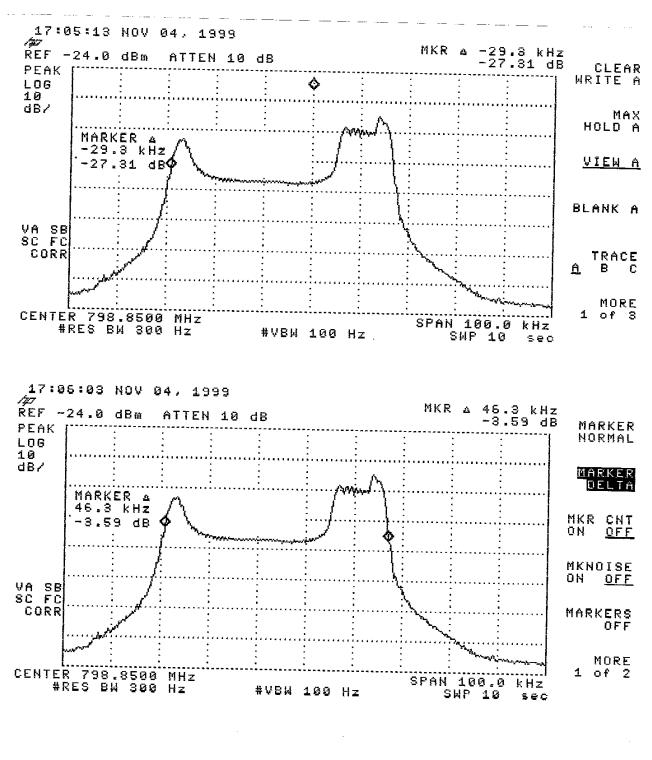
Calculation of Necessary Bandwidth (Bn) Bn = 2M + 2D M = Max. Modulation Frequency = 5.348KHz D = Peak Frequency Deviation = 0.267KHz (Chart 3-1) K = 1 Bn = 73.756KHz



Unmodulation

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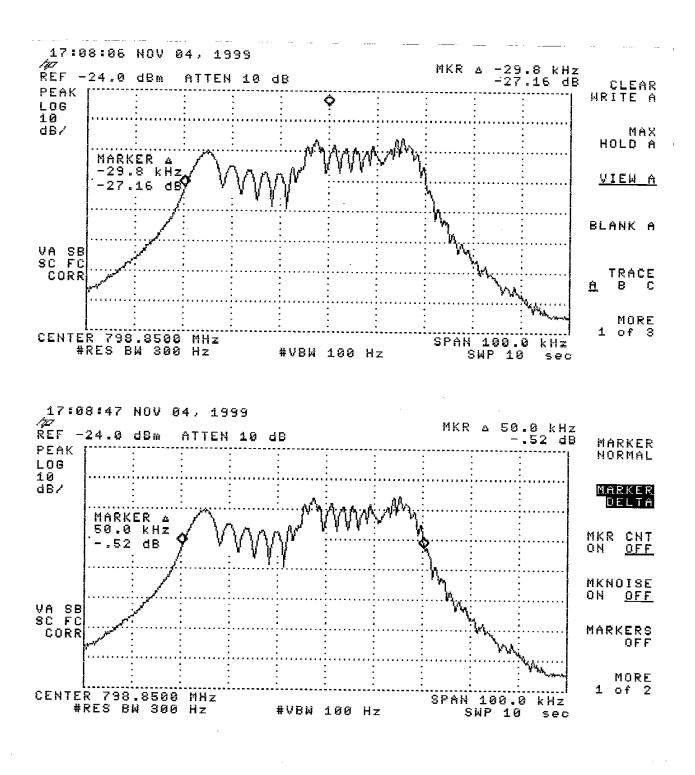
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Modulation 200Hz

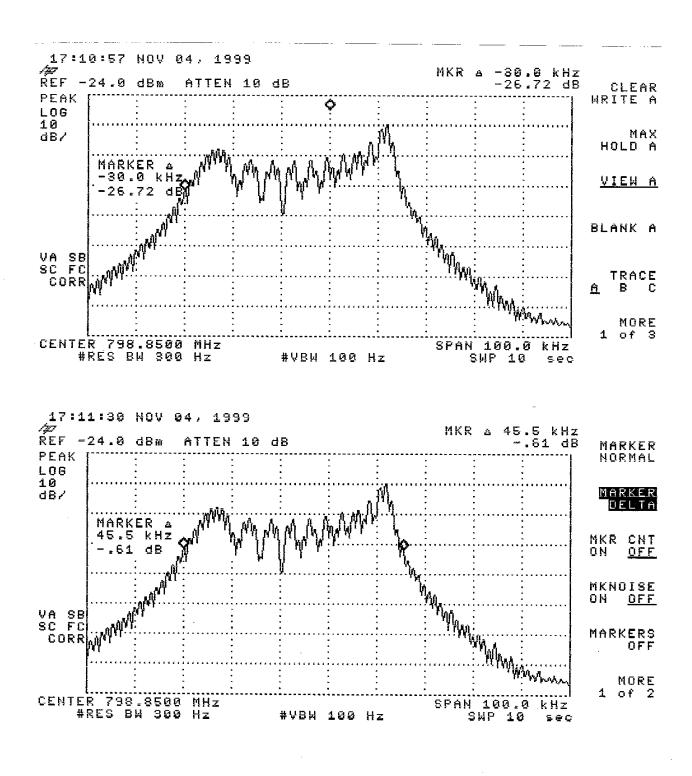
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Test Repot -

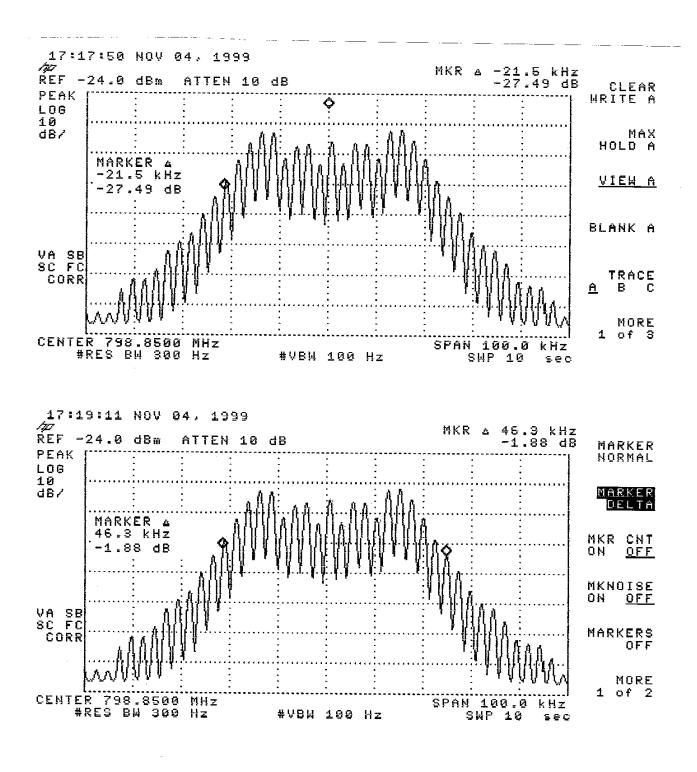


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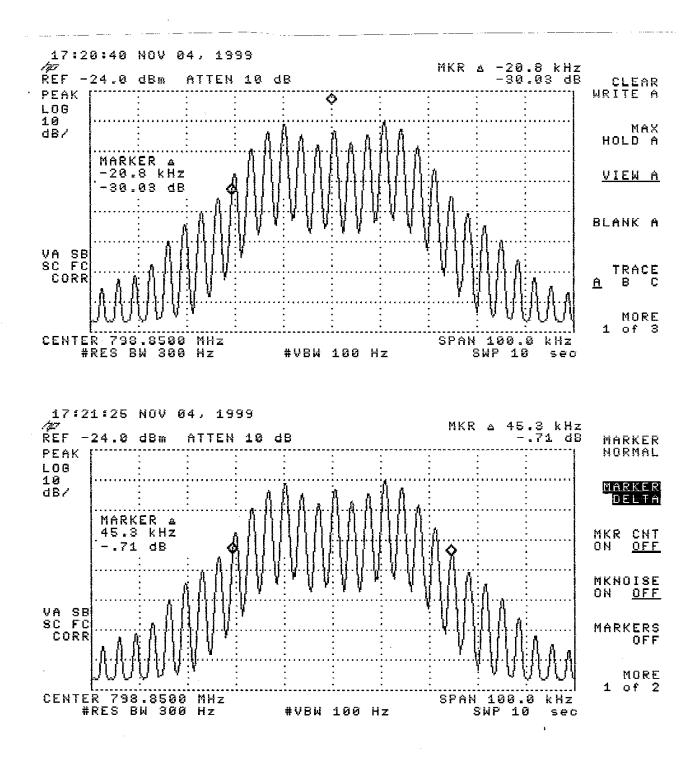
Modulation 612Hz



Modulation 1.124KHz



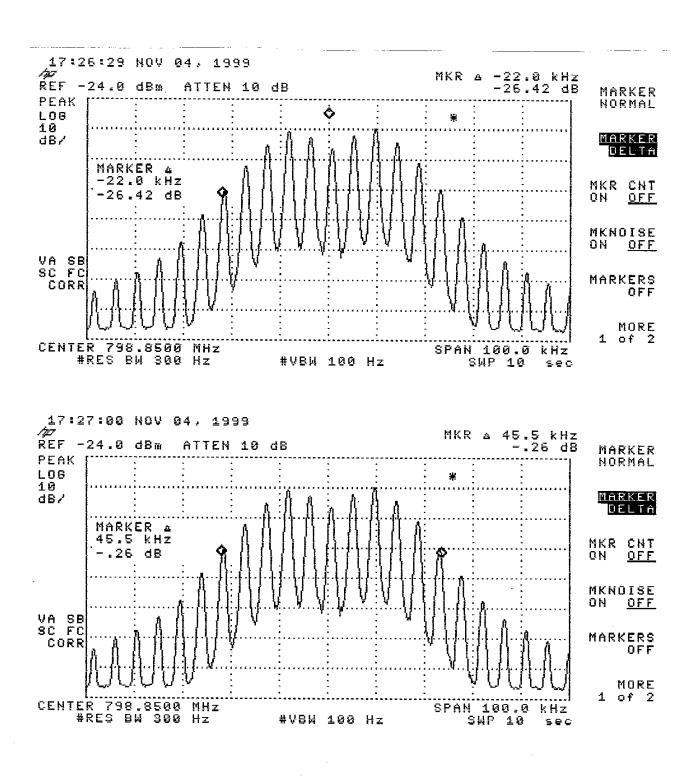
Modulation 2.404KHz



Modulation 3.428KHz

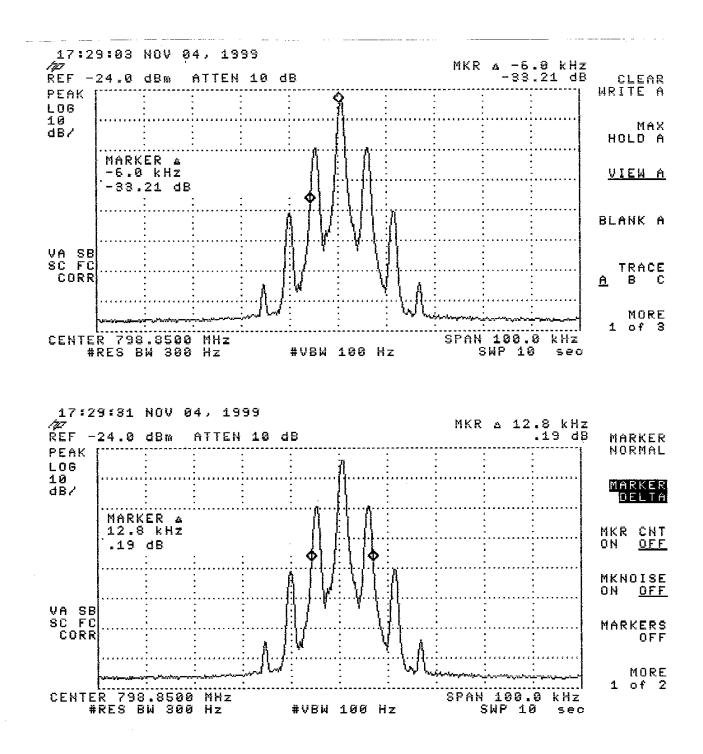
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Modulation 4.452KHz



Modulation 5.348KHz

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Chapter 5 Field Strength of Spurious Radiation Measurement

5.1 Rules and Specification Limits

2.993 (a): Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, Power leads, or intermediate circuit elements under normal conditions of installation and operation.

74.861(e)(b)(iii) : Spurious and harmonics must be at least $43 + 10 \log$ (Output Power) below the Carrier peak

2.997: In all measurements set forth, the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10^{th} harmonic of the carrier frequency.

5.2 Measurement Condition & Setup

Pretest : Prior to the final test (OATS test) ,the EUT is placed in a shielded enclosure ,GTEM, and scan from 30MHz to 1GHz. This is done to ensure the radiation exactly emits form the EUT.

Final test : Final radiation measurements is made on a 3 - meter, open-field test site. The EUT is placed on a nonconductive table, which is 0.8m height, the top surface is 1.0 x 1.5 meter. All the placement is according to ANSI C63.4 - 1992.

The spectrum is examined from 30 MHz to 18 GHz measured by HP spectrum.

The EMCO whole range Antenna is used to measure frequency from 30 MHz to 18 GHz. The final test is used the spectrum HP 8591A & HP 8564E.

Measure more than six top marked frequencies generated form pretest by computer step by step at each frequency. The EUT is rotated 360 degrees, and antenna is raised and lowered from 1 to 4 meter to find the maximum emission levels. The antenna is used with both horizontal and vertical polarization.

Appropriated preamplifier which is made by TRC is used for improving sensitivity and precautions is taken to avoid overloading .The spectrum analyzer's 6dB bandwidth is set to 120 K Hz, and the EUT is measured at quasi-peak mode.

If the emission is close to the frequency band of ambient, the data will be rechecked by the tester and the corrected data will be written in the test data sheet. If the emission is just within the ambient, the data from GTEM will be taken as the final data.

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The actual field intensity in decibels referenced to 1 microvolt per meter (dBµV/m) is determined by algebraically adding the measured reading in dBµV, the antenna factor (dB) and cable loss (dB) at the appropriate frequency.

 $FI_a (dB\mu V/m) = FI_r (dB\mu V) + AF (dB) + CL(dB)$

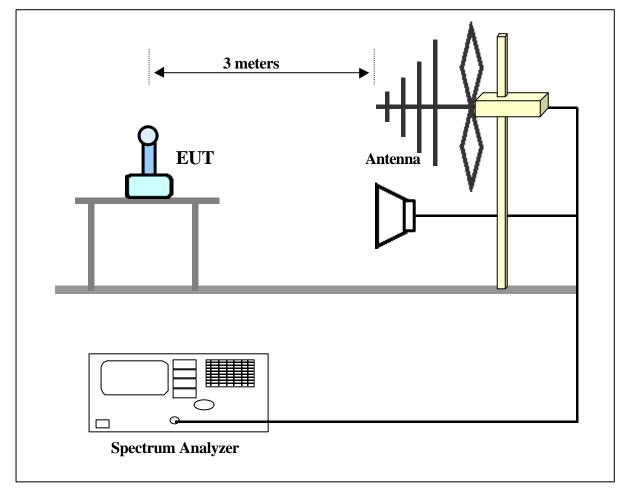
- FIa: Actual Field Intensity
- FI_r: Reading of the Field Intensity
- AF: Antenna Factor
- CL: Cable Loss

5.3 List of Measurement Instruments

Calibration Date

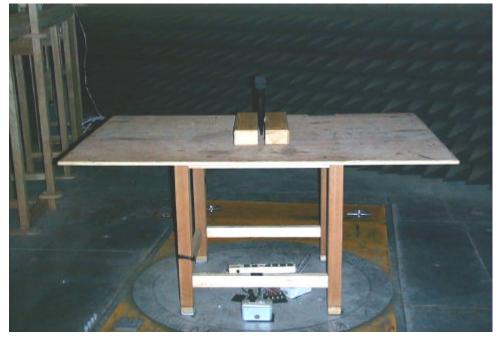
Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
Spectrum analyzer	8568B	ΗP	3004A18617	05/15/99	05/15/00
Quasi-peak Adapter	85650A	ΗP	2521A00984	05/15/99	05/15/00
RF Pre-selector	85685A	ΗP	2947A01011	05/15/99	05/15/00
Spectrum analyzer	8591A	ΗP	2919A00263	01/07/99	01/07/00
Spectrum analyzer	8564E	ΗΡ	US36433002	08/09/99	08/09/00
Antenna (30M-2G Hz)	3142	EMCO	1296	06/10/99	06/10/00
Antenna (1G-18G Hz)	3142	EMCO	5178	08/09/99	08/09/00
Open test side (Antenna	, Amplify, cabl	e calibrate	d together)	05/15/99	05/15/00

The level of confidence of 95%, the uncertainty of measurement of radiated emission is \pm 4.96 dB.

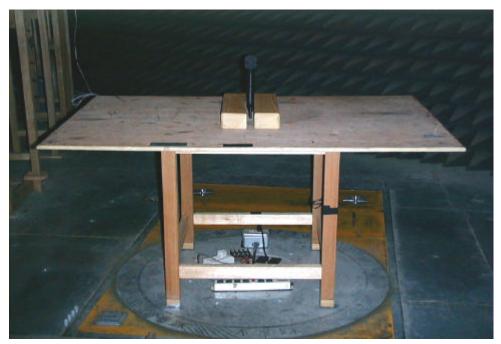


5.4 Measurement Configuration

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Pic 1 Front View of Test Configuration



Pic 2 Rear View of the Test Configuration

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5.5 Measurement Result: (Test Frequency: 798.850MHz, Horizontal, 30 MHz ~ 1 GHz)

Test Conditions:

Testing room :	Temperature : 26 °C	Humidity : 73 % RH		
Testing site :	Temperature : 31 °C	Humidity : 75 % RH		

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Limit	Margin
MHz	dBµV	m	degree	dB/m	dBµV/m	dBµV/m	dB
r							
399.420	17.70	1.00	133	-19.68	37.38	84.38	-47.00
599.130	22.03	1.00	141	-23.25	45.28	84.38	-39.10
698.980	14.04	1.00	150	-25.06	39.10	84.38	-45.28
815.490	24.85	1.00	125	-26.07	50.92	84.38	-33.46
848.760	20.10	1.00	135	-27.25	47.35	84.38	-37.03
898.710	13.18	1.00	2	-27.47	40.65	84.38	-43.73
998.550	11.52	1.00	65	-29.43	40.95	84.38	-43.43

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)
- 4. Attenuation required = $43 + 10 \log (0.272 \text{ mW}) = 7.35$

Limit = 91.73 - 7.35 = 84.38

Measurement Result:

(Test Frequency	: 798.850MHz,	Horizontal,	1 GHz ~ 18 GHz)
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Radiated Emission		Correction Factors	Corrected	FCC Class B (3 m)			
<i>Frequency</i> (GHz)	<i>Amplitude</i> (dBμV/m)	Ant. H. (cm)	Table (°)	(dB)	<i>Amplitude</i> (dBµV/m)	<i>Limit</i> (dBµV/m)	Margin (dB)
1.59	37.60	100.00	133	-8.67	28.93	54.00	-25.07
1.79	38.60	100.00	140	-8.67	29.93	54.00	-24.07
1.99	38.93	100.00	322	-8.67	30.26	54.00	-23.74
2.19	44.76	100.00	33	-8.67	36.09	54.00	-17.91
2.59	48.93	100.00	292	-8.67	40.26	54.00	-13.74
2.79	39.77	100.00	16	-6.84	32.93	54.00	-21.07
2.99	38.73	100.00	281	-6.84	31.89	54.00	-22.11

Note:

- 1. Margin = Corrected Limit.
- 2. Peak Amplitude + Correction Factor = Corrected

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Radiated Emission Test Result: (Test Frequency: 798.850MHz, Vertical, 30 MHz ~ 1 GHz)

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Limit	Margin
MHz	dBµV	m	degree	dB/m	dBµV/m	dBµV/m	dB
599.140	17.84	2.96	8	-23.55	41.39	84.38	-42.99
699.000	9.21	1.05	23	-25.26	34.47	84.38	-49.91
815.490	18.55	1.95	28	-26.65	45.20	84.38	-39.18
848.770	14.91	1.95	35	-27.53	42.44	84.38	-41.94
898.700	12.42	1.06	140	-28.30	40.72	84.38	-43.66

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Radiated Emission			Correction Factors	Corrected	FCC Class B (3 m)		
Frequency (GHz)	Amplitude (dBµV/m)	<i>Ant. H.</i> (cm)	Table (°)	(dB)	<i>Amplitude</i> (dBµV/m)	<i>Limit</i> (dBµV/m)	Margin (dB)
1.59	42.93	100.00	133	-8.67	34.26	54.00	-19.74
1.79	41.26	100.00	140	-8.67	32.59	54.00	-21.41
1.99	42.60	100.00	322	-8.67	33.93	54.00	-20.07
2.19	44.26	100.00	33	-8.67	35.59	54.00	-18.41
2.59	48.43	100.00	292	-8.67	39.76	54.00	-14.24
2.79	46.10	100.00	16	-6.84	39.26	54.00	-14.74
2.99	44.10	100.00	281	-6.84	37.26	54.00	-16.74
3.19	41.27	100.00	281	-6.84	34.43	54.00	-19.57

Radiated Emission Test Result: (Test Frequency: 798.850MHz, Vertical, 1 GHz ~ 18 GHz)

Measurement Result:
(Test Frequency: 805.775MHz, Horizontal, 30 MHz ~ 1 GHz)

Frequency	Reading	Ant.	Table	Correction	Corrected	Limit	Margin
	Amplitude	Height		Factors	Amplitude		
MHz	dBµV	m	degree	dB/m	dBµV/m	dBµV/m	dB
402.880	17.30	1.94	73	-19.83	37.13	84.38	-47.25
604.320	22.05	1.00	68	-23.24	45.29	84.38	-39.09
788.980	11.44	1.00	150	-26.14	37.58	84.38	-46.80
822.560	13.00	1.00	101	-26.21	39.21	84.38	-45.17
856.120	10.68	1.00	84	-27.17	37.85	84.38	-46.53
906.490	8.31	1.00	62	-27.61	35.92	84.38	-48.46

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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)
- 4. Attenuation required = $43 + 10 \log (0.054 \text{ mW}) = 0.34$ Limit = 84.72 - 0.34 = 84.38

Measurement Result:

(Test Frequency: 805.775MHz, Horizontal, 1 GHz ~ 18 GHz)

Radiated Emission		Correction Factors	Corrected	FCC Class B (3 m)			
<i>Frequency</i> (GHz)	<i>Amplitude</i> (dBμV/m)	Ant. H. (cm)	Table (°)	(dB)	<i>Amplitude</i> (dBµV/m)	<i>Limit</i> (dBµV/m)	<i>Margin</i> (dB)
1.60	33.76	100.00	193	-8.67	25.09	54.00	-28.91
2.21	40.60	100.00	80	-8.67	31.93	54.00	-22.07

Radiated Emission Test Result: (Test Frequency: 805.775MHz, Vertical, 30 MHz ~ 1 GHz)

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Limit	Margin
MHz	dBµV	m	degree	dB/m	dBµV/m	dBµV/m	dB
		-					
402.880	14.86	1.00	154	-19.38	34.24	84.38	-50.14
604.320	16.98	2.96	22	-23.57	40.55	84.38	-43.83
822.560	8.56	1.95	11	-26.78	35.34	84.38	-49.04
856.120	6.32	1.95	0	-27.53	33.85	84.38	-50.53
906.480	8.08	1.00	147	-28.50	36.58	84.38	-47.80

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Radiated Emission Test Result: (Test Frequency: 805.775MHz, Vertical, 1 GHz ~ 18 GHz)

Radiated Emission		Correction Factors	Corrected	FCC Class B (3 m)		
<i>Amplitude</i> (dBμV/m)	Ant. H. (cm)	Table (°)	(dB)	<i>Amplitude</i> (dBµV/m)	<i>Limit</i> (dBµV/m)	Margin (dB)
34.93	100.00	193	-8.67	26.26	54.00	-27.74
40.10	100.00	80	-8.67	31.43	54.00	-22.57
	Emission Amplitude (dBµV/m) 34.93	EmissionAmplitude (dBµV/m)Ant. H. (cm)34.93100.00	Emission Amplitude (dBμV/m) Ant. H. (cm) Table (°) 34.93 100.00 193	EmissionFactorsAmplitude (dBµV/m)Ant. H. (cm)Table (°)(dB)34.93100.00193-8.67	EmissionFactorsCorrectedAmplitude (dBμV/m)Ant. H. (cm)Table (°)(dB)Amplitude (dBμV/m)34.93100.00193-8.6726.26	Emission Factors Corrected (3) Amplitude (dBμV/m) Ant. H. (cm) Table (°) (dB) Amplitude (dBμV/m) Limit (dBμV/m) 34.93 100.00 193 -8.67 26.26 54.00

Chapter 6 Frequency Stability Tolerance Measurement

6.1 Rules and Specification Limits

2.995

74.861(e)(4): The frequency tolerance of the transmitter shall be 0.005 percent.

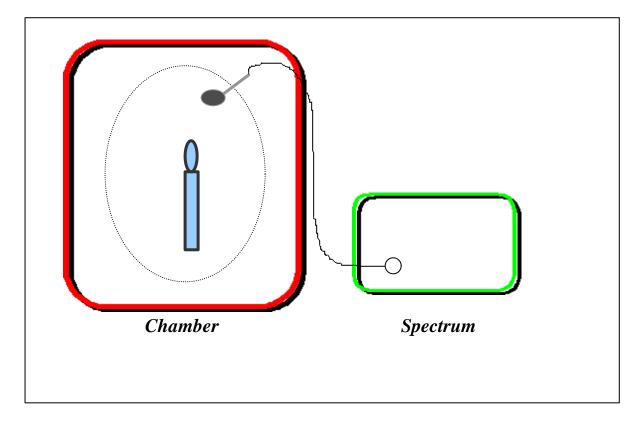
6.2 Measurement Condition & Setup with Temperature Variation

- 1. Place the EUT in the chamber, powered in its normal operation.
- 2. Set the temperature of the chamber -30 degree Centigrade. Allow the equipment to stabilize at that temperature.
- 3. Measured the carrier frequency using preamplifier and frequency counter.
- 4. Repeated procedures 1 to 3 from -20 to 50 degree Centigrade at internals of 10 degree.

6.3 List of Measurement Instruments with Temperature Variation List of test Instrument :

Instrument Name	Model No.	Brand	Remark
Spectrum Analyzer	8591A	ΗP	1.8GHz
Temperature Chamber	THS-MV2	King Son	
Near field Probe	7405-901	EMCO	
Power Supply			
Auto Transformer	Powerstat Supprior Elec. C		c. Co.

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6.4 Measurement Configuration of Temperature Variation Test:

Test Report ----

6.5 Measurement Result with Temperature Variation

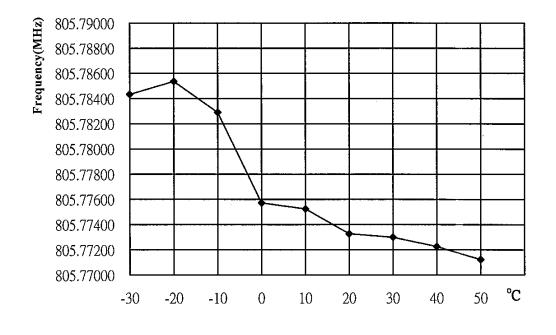
A plot and table is presented which illustrates compliance with the rule where the center frequency is 805.775 MHz.

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Temperature (Centigrade)	Frequency (MHz)	Tolerance (MHz)
-30	805.784323	805.734711 ~ 805.815289
-20	805.784790	805.734711 ~ 805.815289
-10	805.782901	805.734711 ~ 805.815289
0	805.775713	805.734711 ~ 805.815289
10	805.775242	805.734711 ~ 805.815289
20	805.773257	805.734711 ~ 805.815289
30	805.772986	805.734711 ~ 805.815289
40	805.772245	805.734711 ~ 805.815289
50	805.771220	805.734711 ~ 805.815289

Temperature Variation Table

Temperatuer Variation Vs. Frequency Chart



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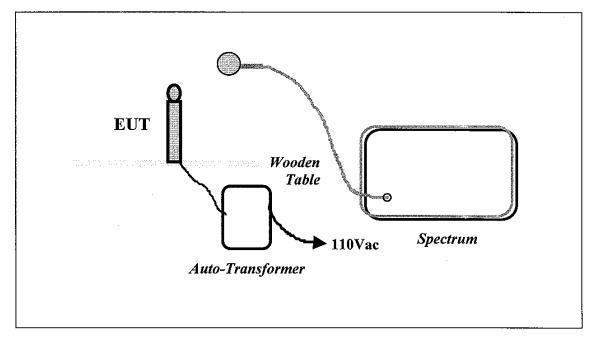
6.7

6.6 Measurement Condition & Setup with Voltage Variation

- 1. Attached the power line of the power supply to the battery position of the EUT.
- 2. Tuned the output power level to battery end point, 85 %, 100%, 115% of the normal operation power of EUT.
- 3. Recorded the frequency with a frequency counter.

List of Test Instrument :			
Instrument Name	Model No.	Brand	Remark
Spectrum Analyzer	8591A	НР	1.8GHz
Temperature Chamber	THS-MV2	King Son	
Near field Probe	7405-901	EMCO	
Power Supply			
Auto Transformer	Powerstat	Supprior Elec. Co.	

6.8 **Configuration of Voltage Variation Test :**



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6.9 Measurement Result with Voltage Variation

Supply Voltage (Volt)	Frequency (MHz)	Tolerance (MHz)	
2.55(85%)	805.773894	805.734711 ~ 805.815289	
3.00 (100%)	805.773800	805.734711 ~ 805.815289	
3.45 (115%)	805.773762	805.734711 ~ 805.815289	
Endpoint-Voltage : 2.20 V			

Frequency Stability of Voltage Variation Measurement Table

