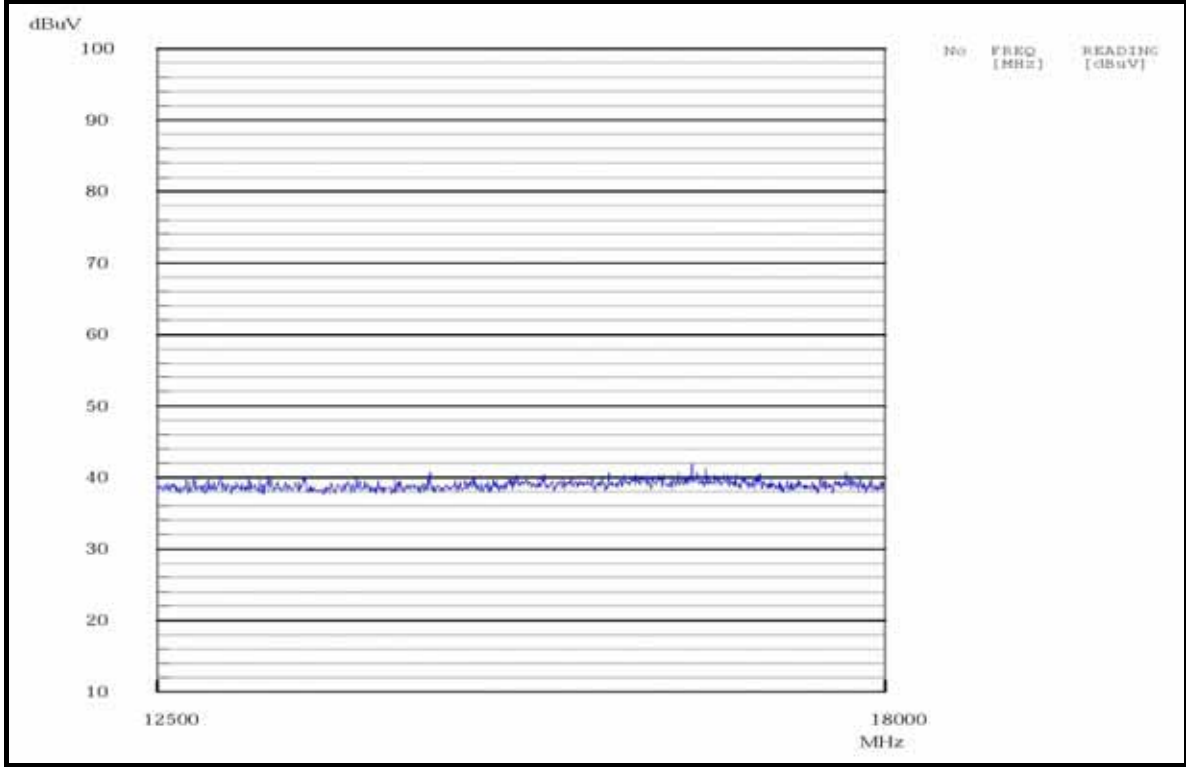


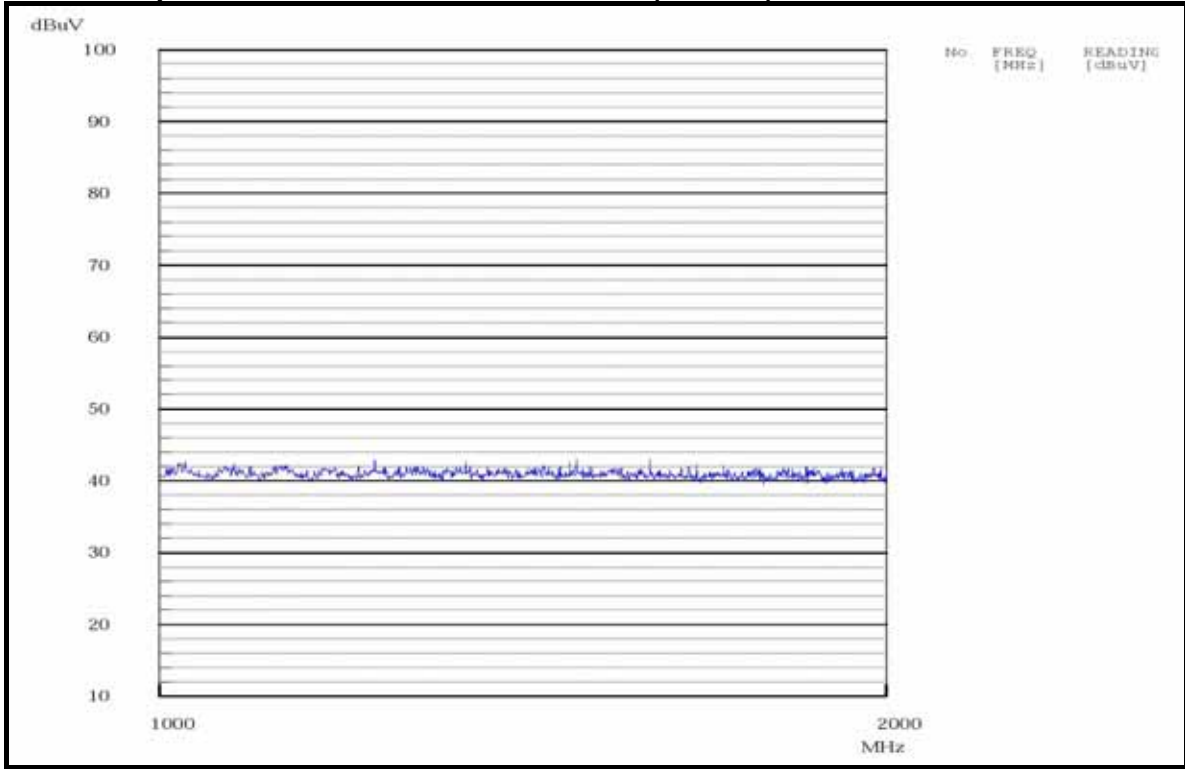
PLOT OF TEST DATA

Radiated Spurious Emissions, lowest Channel(Horizontal)

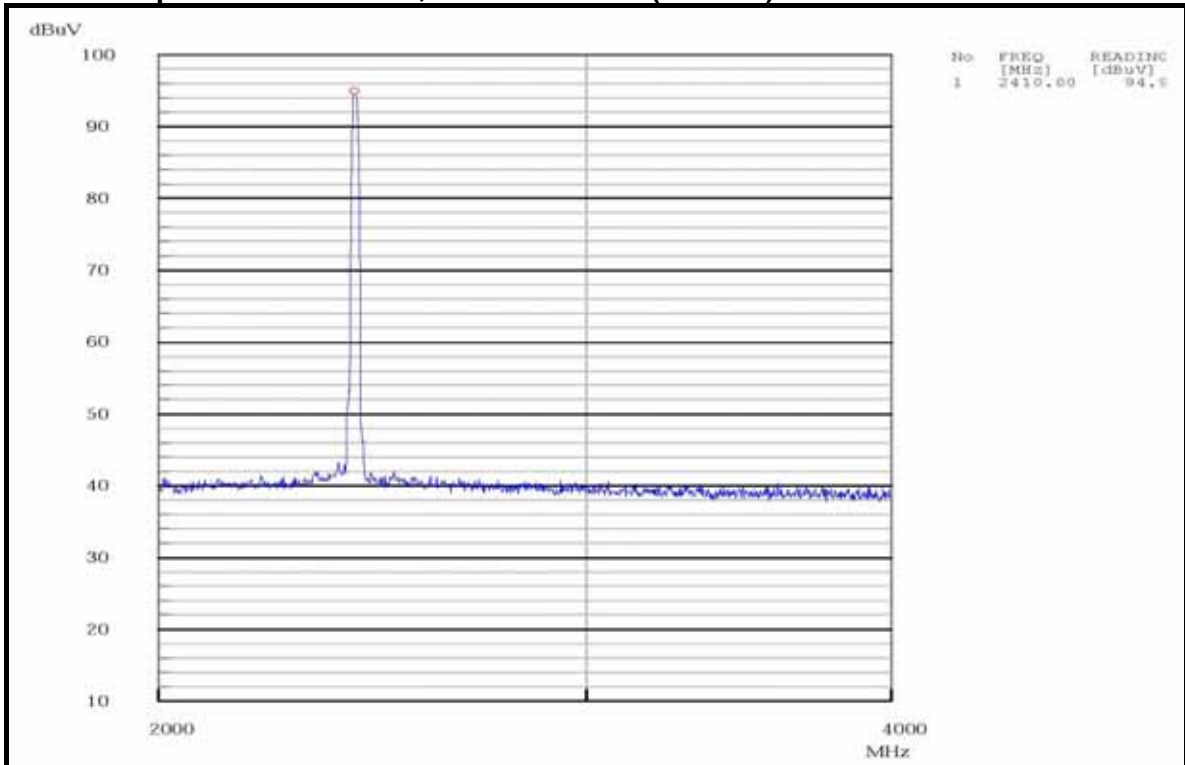


PLOT OF TEST DATA

Radiated Spurious Emissions, lowest Channel(Vertical)

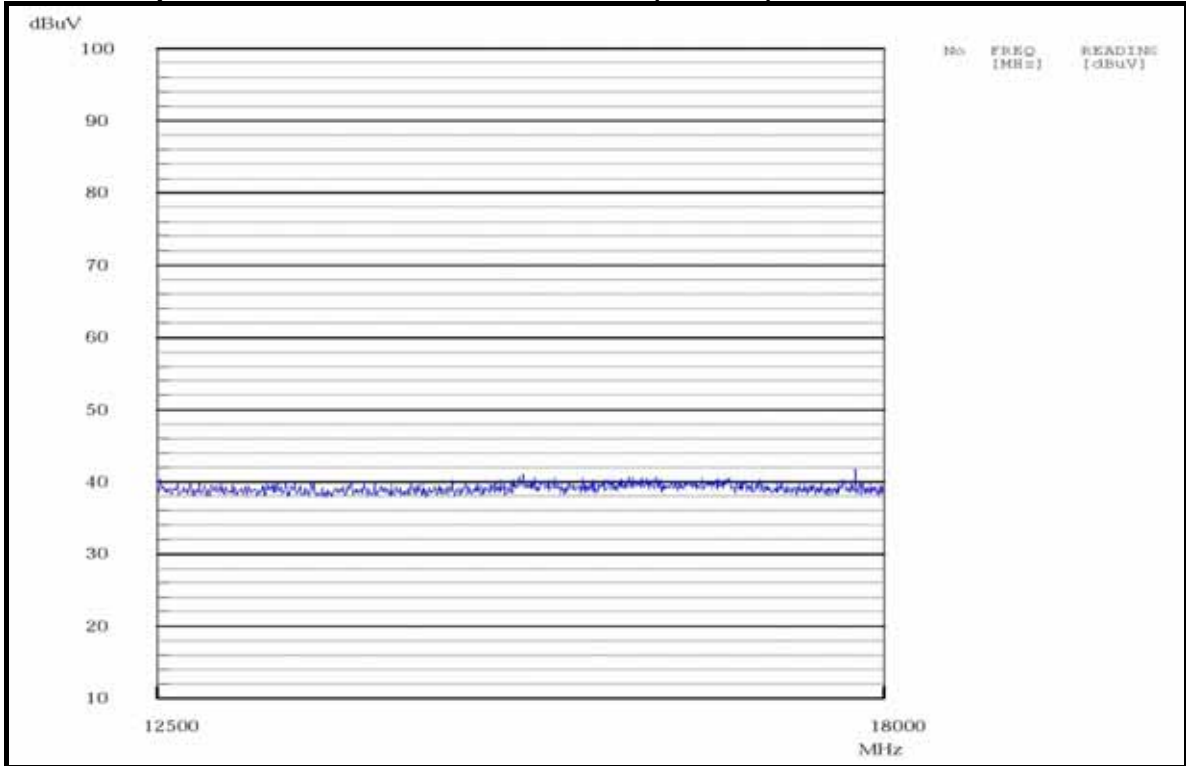


Radiated Spurious Emissions, lowest Channel(Vertical)



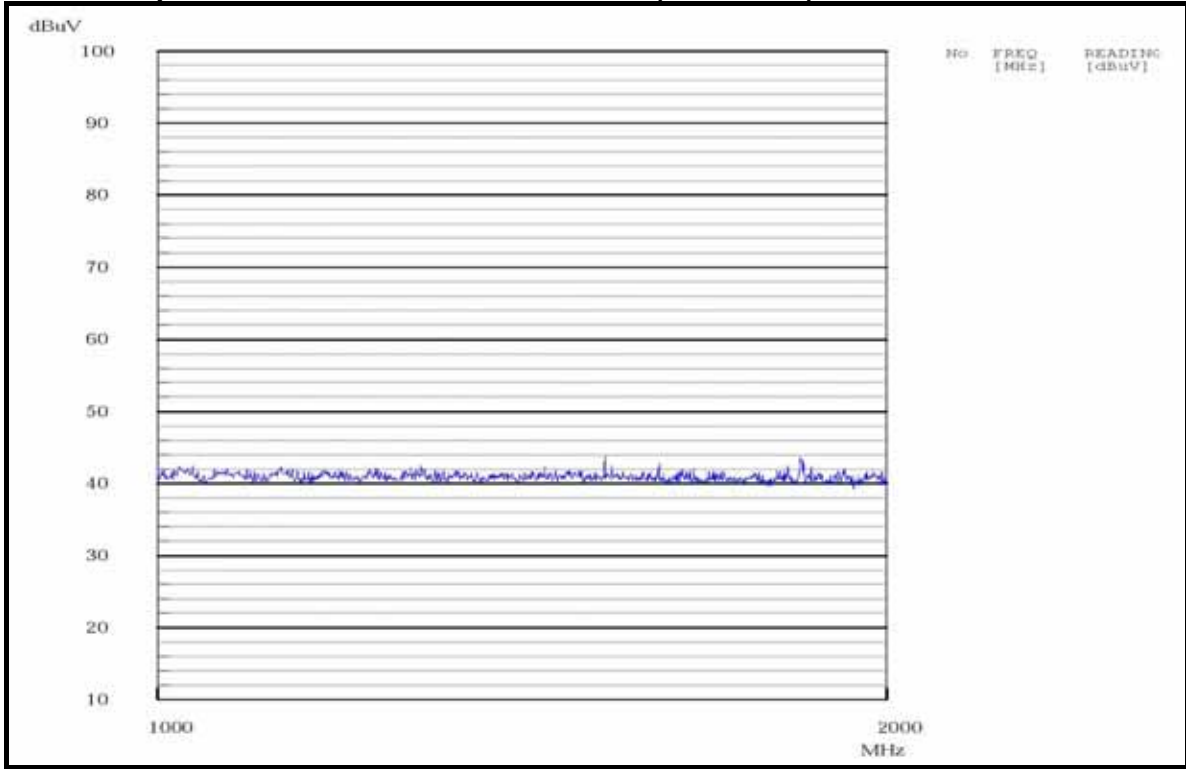
PLOT OF TEST DATA

Radiated Spurious Emissions, lowest Channel(Vertical)

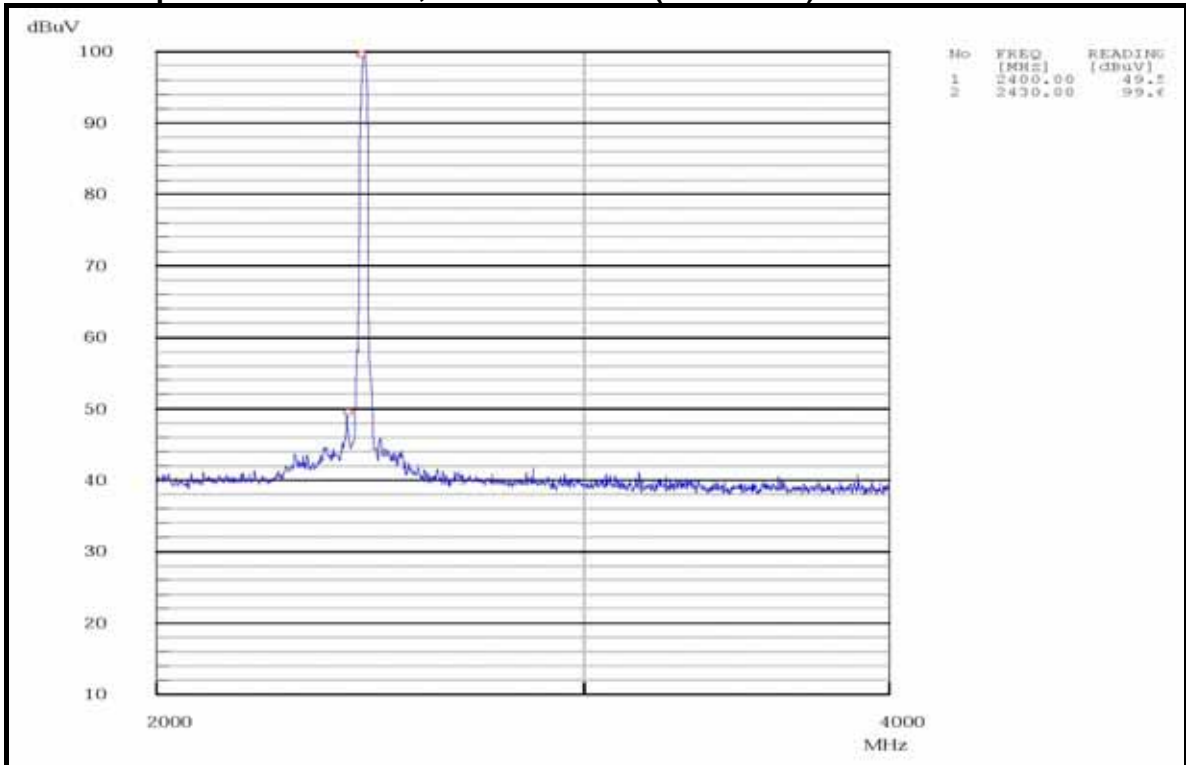


PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Horizontal)

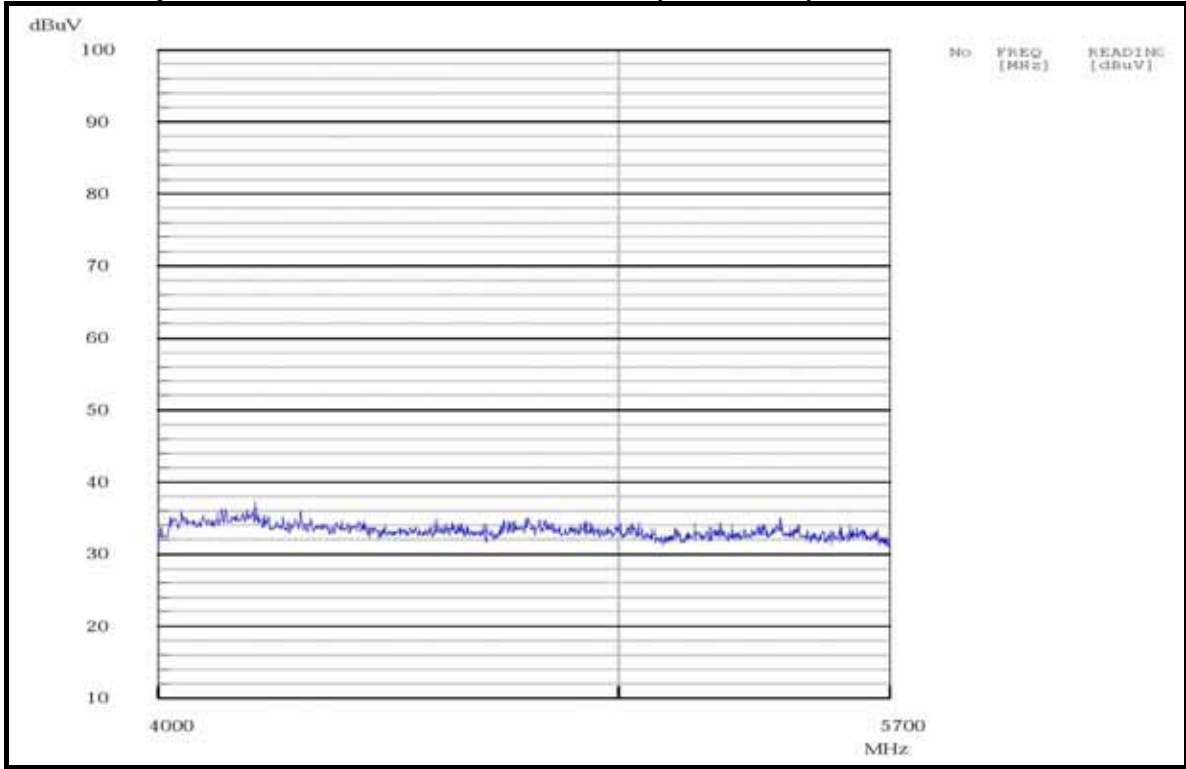


Radiated Spurious Emissions, middle Channel(Horizontal)

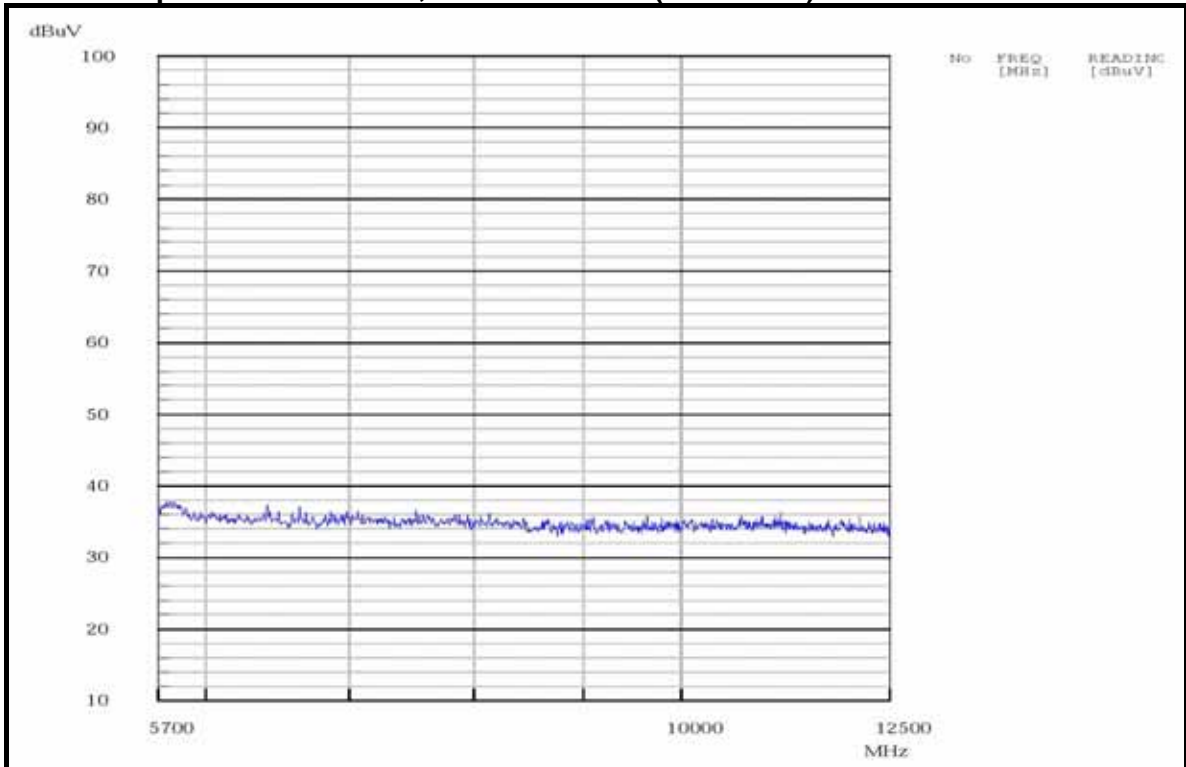


PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Horizontal)

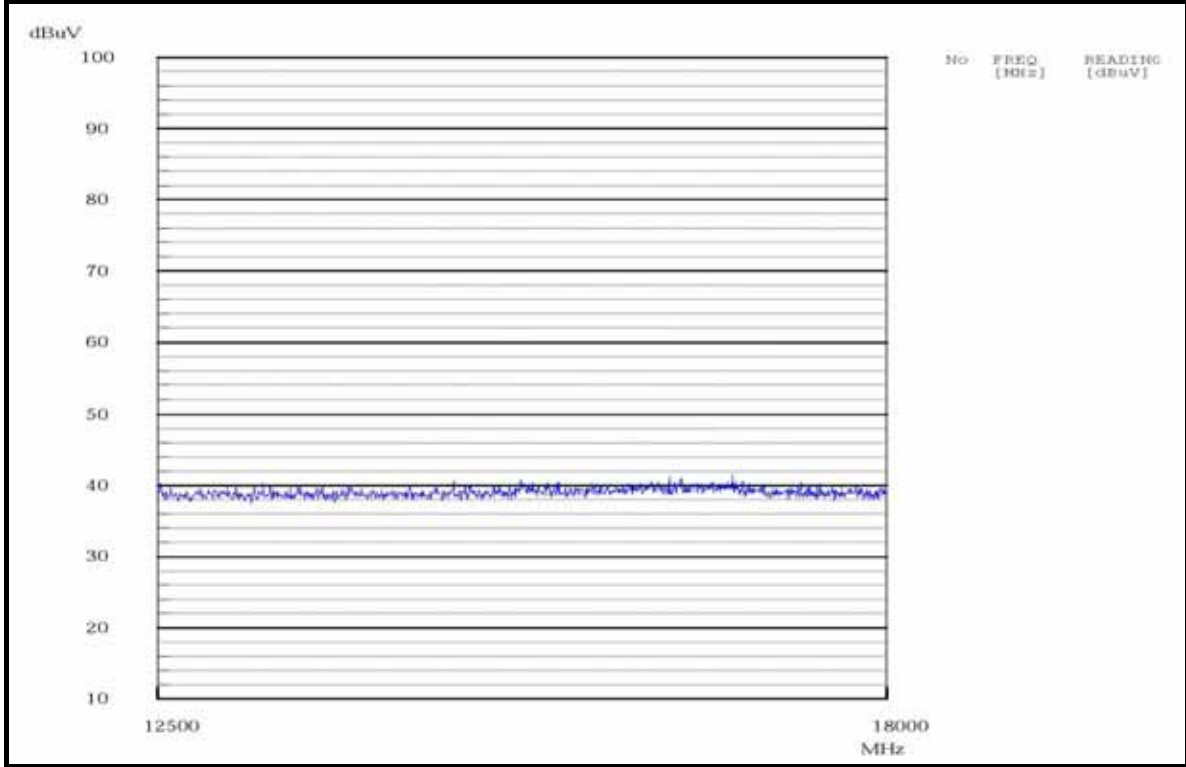


Radiated Spurious Emissions, middle Channel(Horizontal)



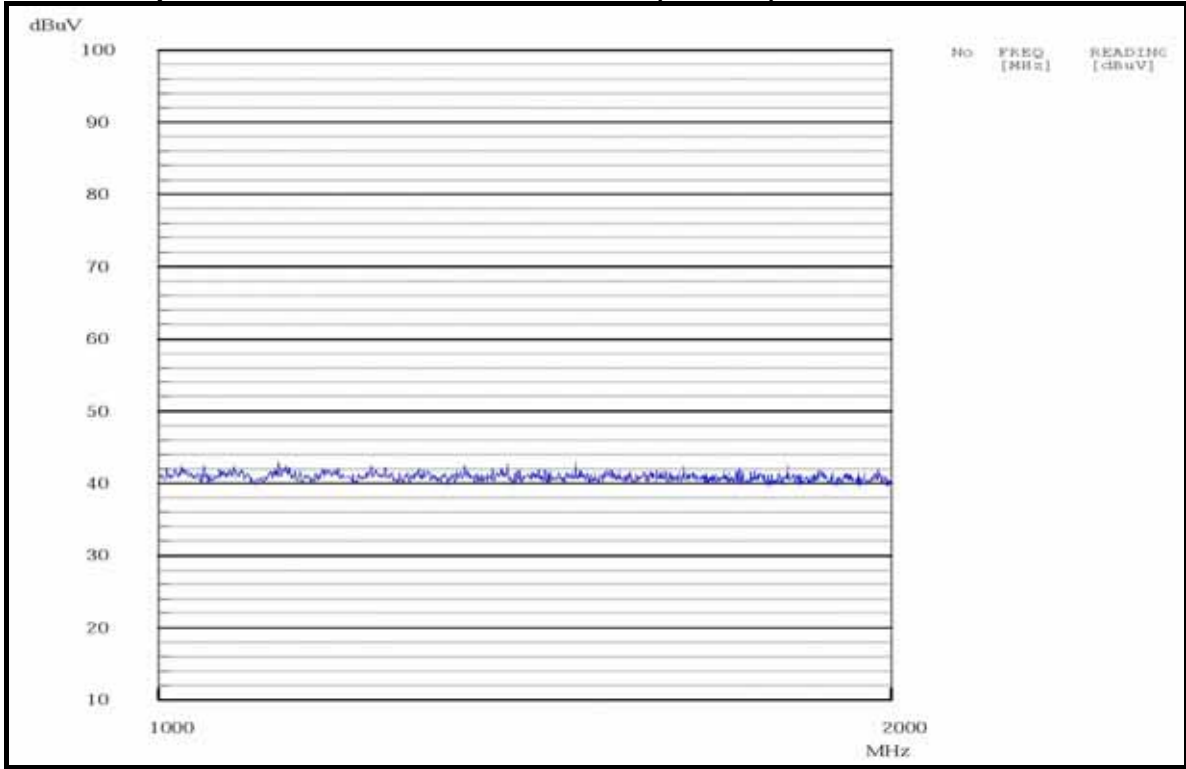
PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Horizontal)

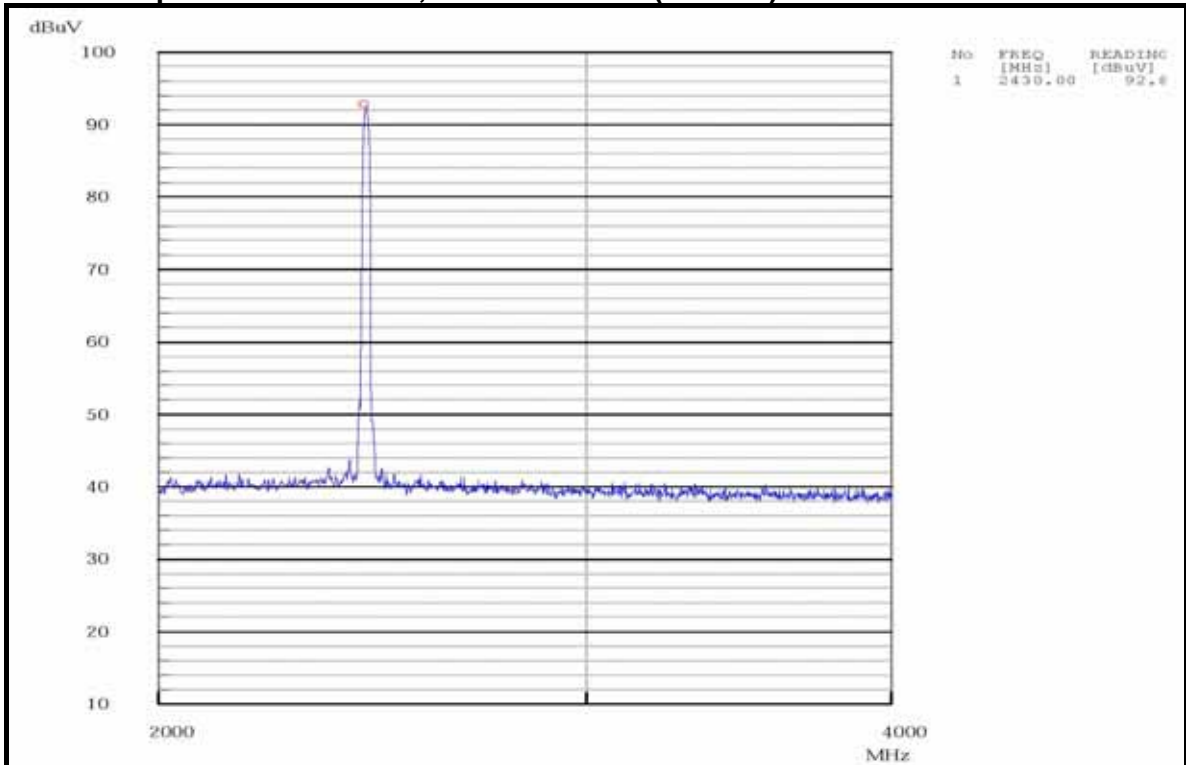


PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Vertical)

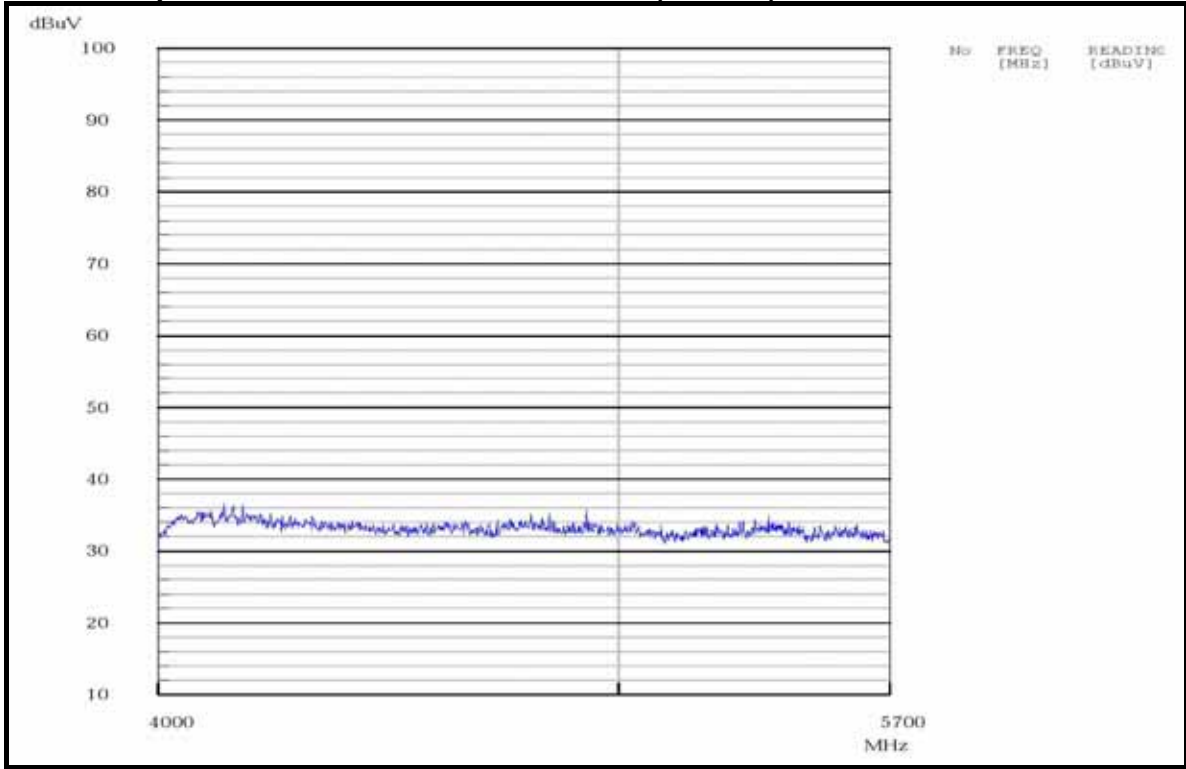


Radiated Spurious Emissions, middle Channel(Vertical)

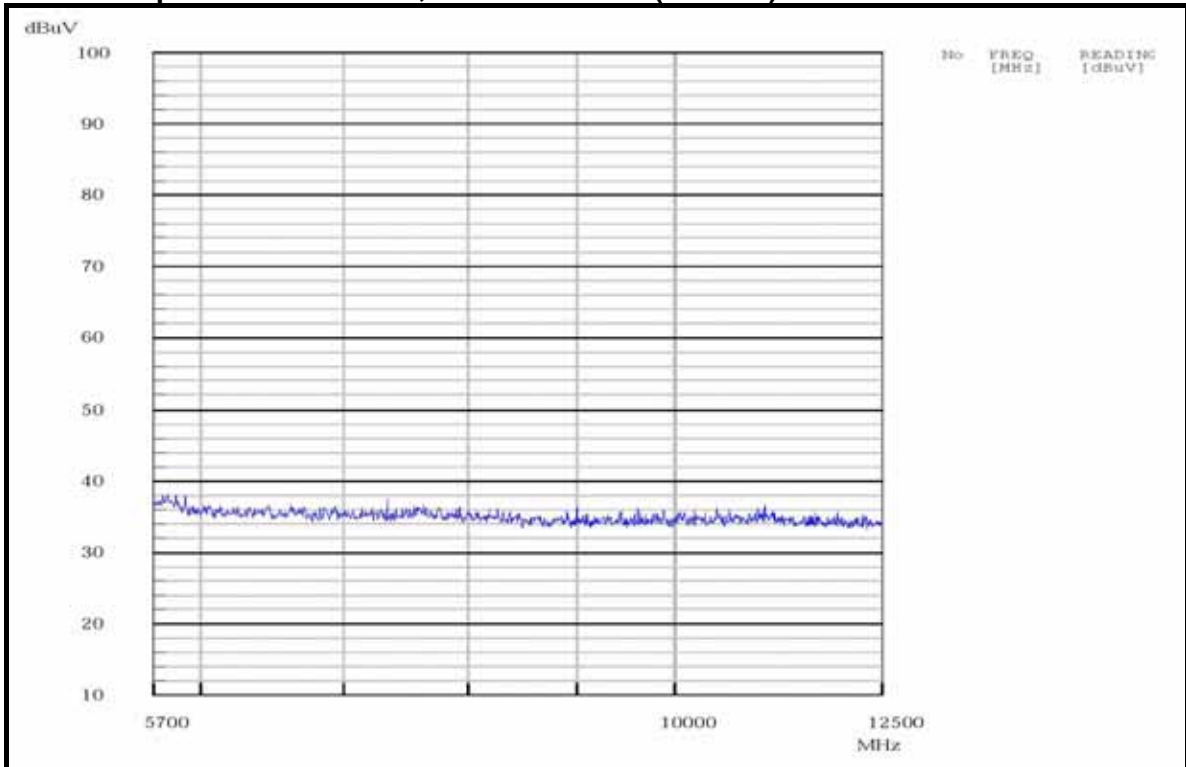


PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Vertical)

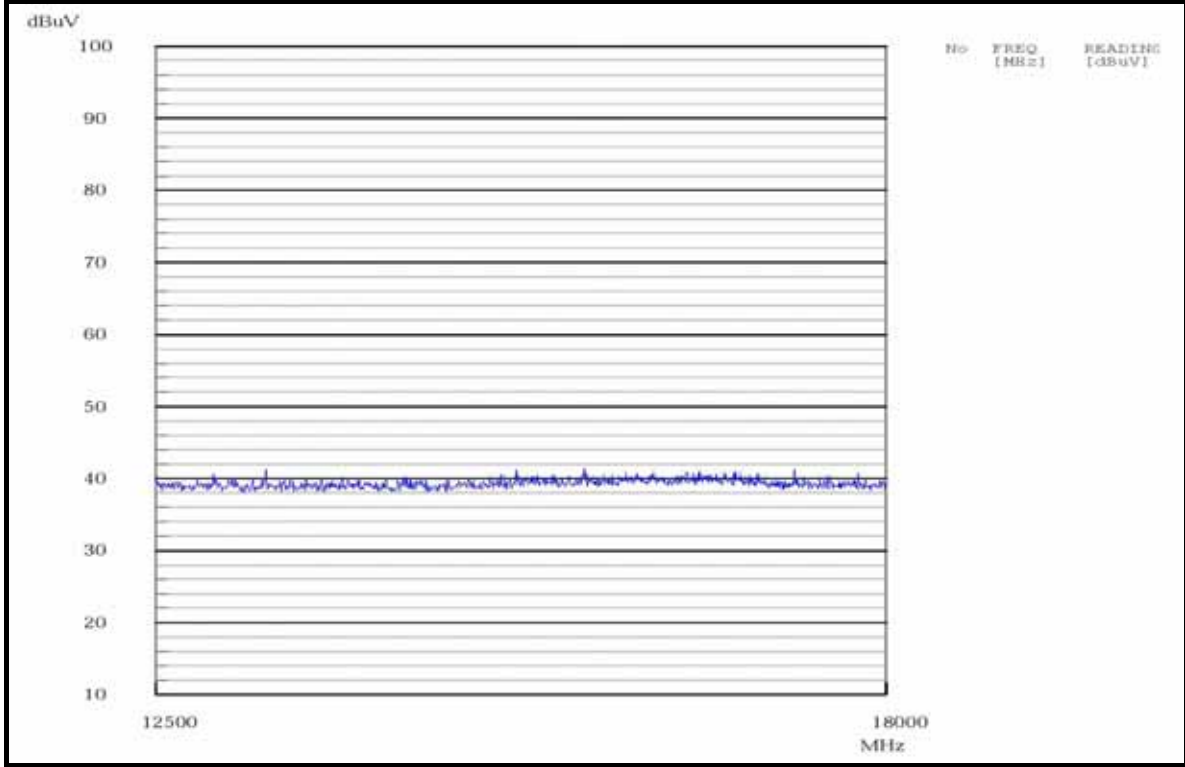


Radiated Spurious Emissions, middle Channel(Vertical)



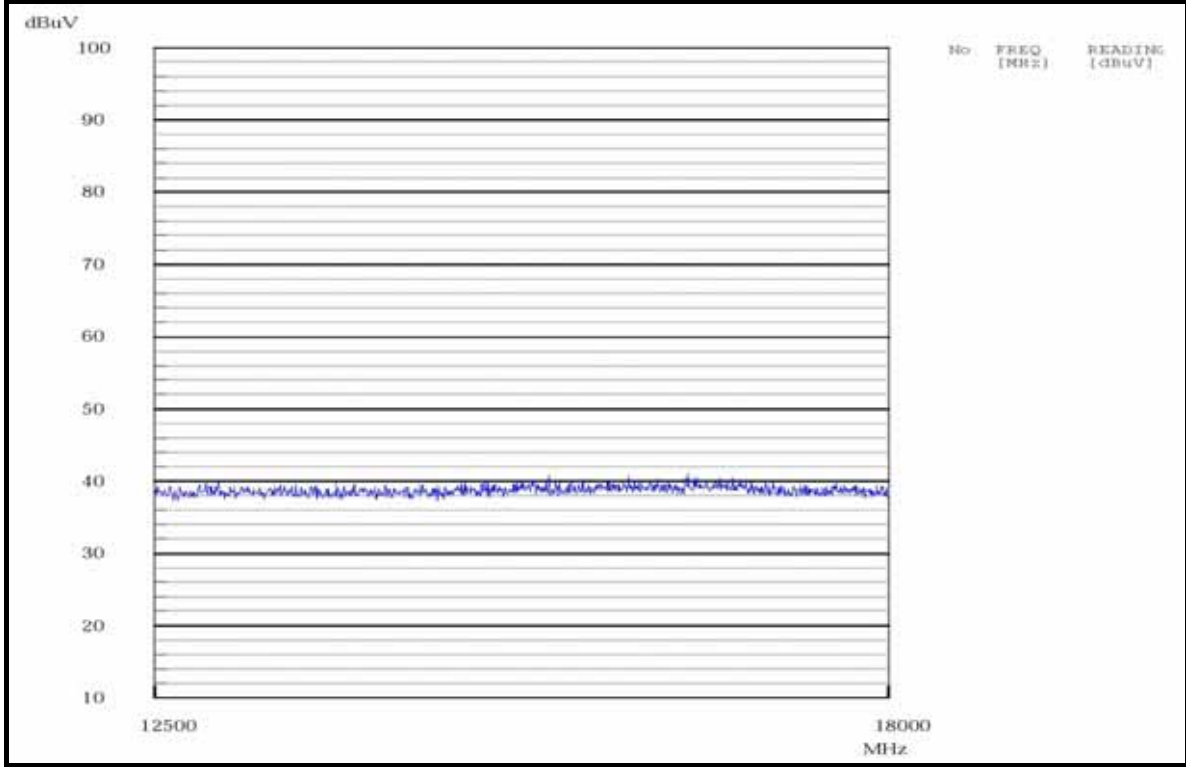
PLOT OF TEST DATA

Radiated Spurious Emissions, middle Channel(Vertical)



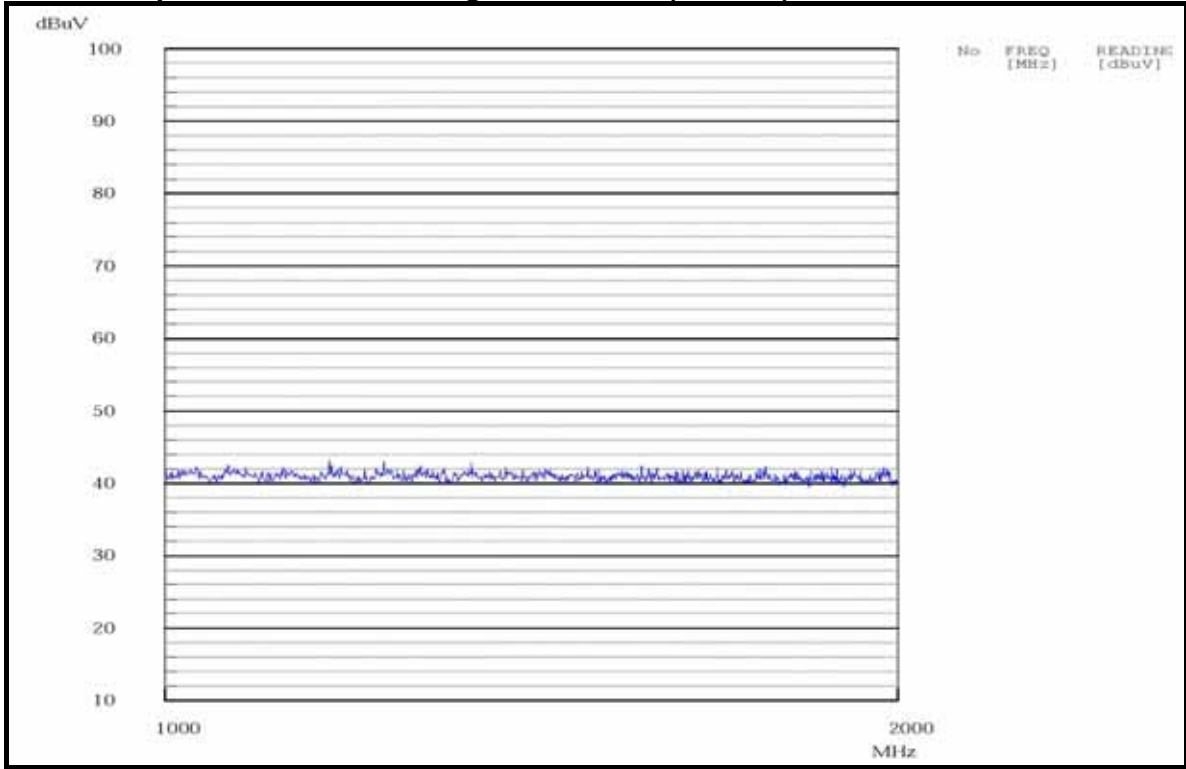
PLOT OF TEST DATA

Radiated Spurious Emissions, Highest Channel(Horizontal)

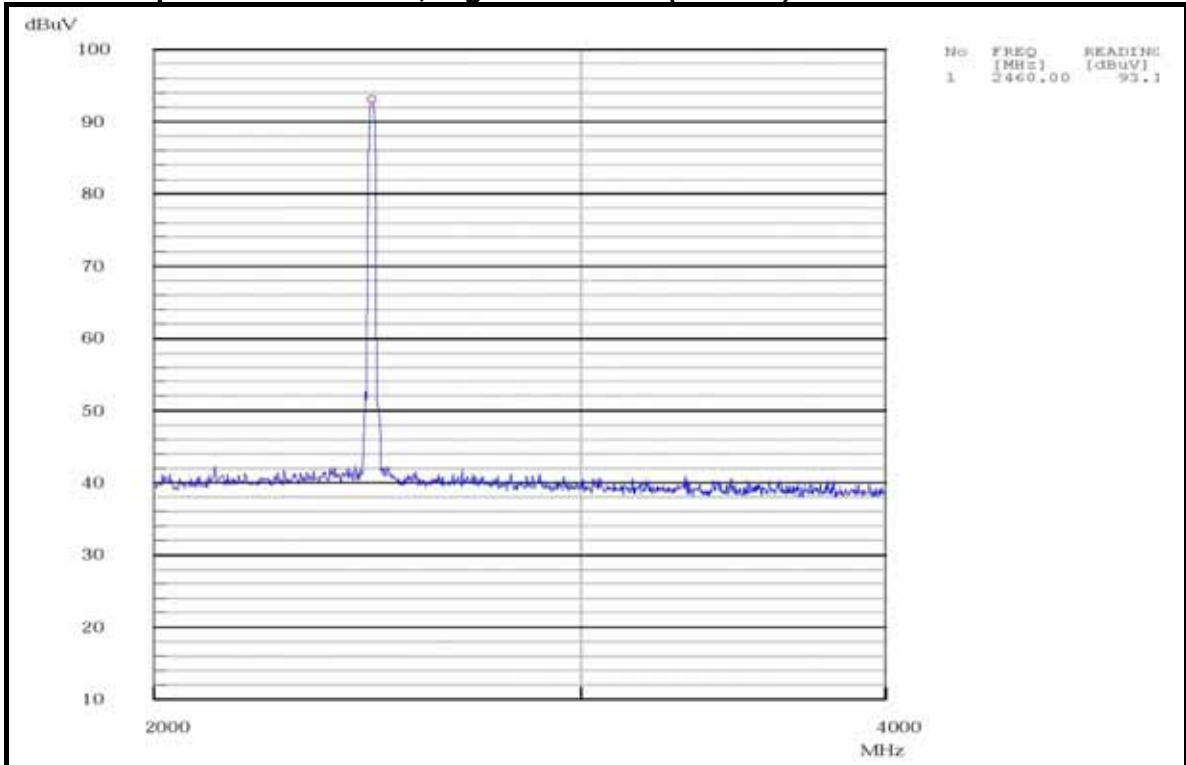


PLOT OF TEST DATA

Radiated Spurious Emissions, Highest Channel(Vertical)

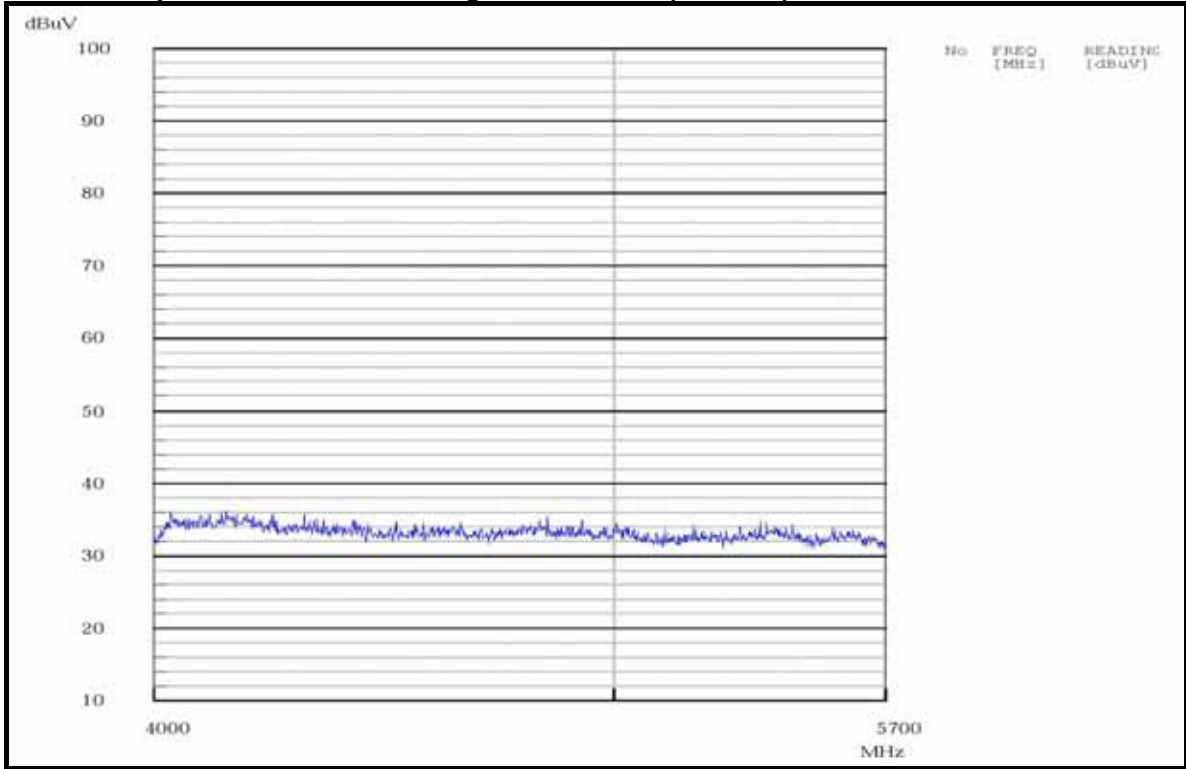


Radiated Spurious Emissions, Highest Channel(Vertical)

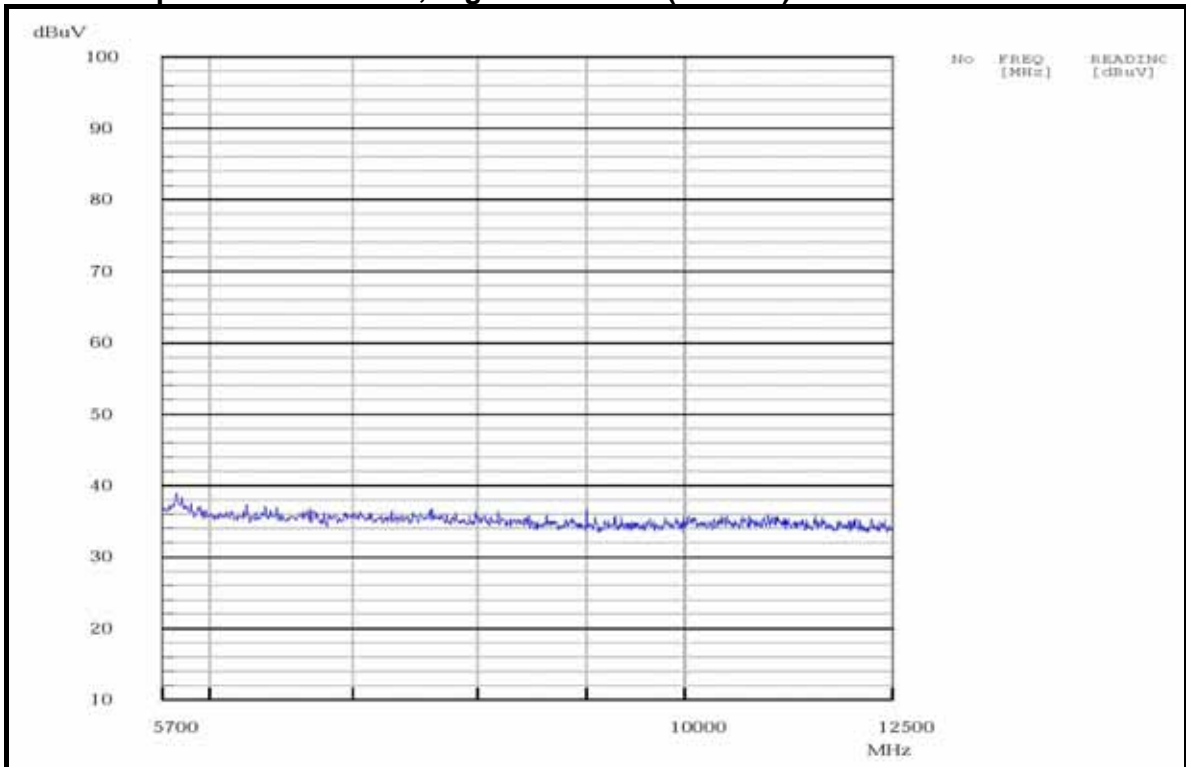


PLOT OF TEST DATA

Radiated Spurious Emissions, Highest Channel(Vertical)

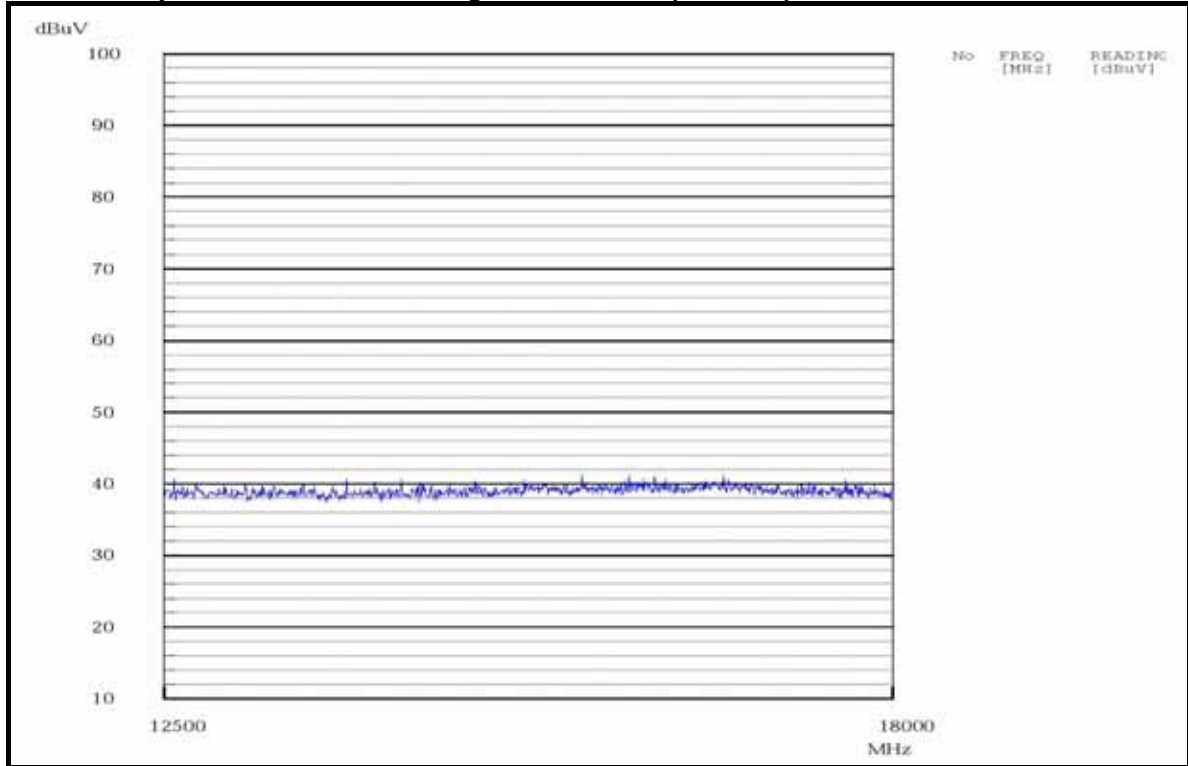


Radiated Spurious Emissions, Highest Channel(Vertical)



PLOT OF TEST DATA

Radiated Spurious Emissions, Highest Channel(Vertical)



TEST DATA

Peak Power Spectral Density-15.247(d)

FCC ID : A3LWIP5000M

Test Mode : set to lowest channel and middle channel and highest channel.

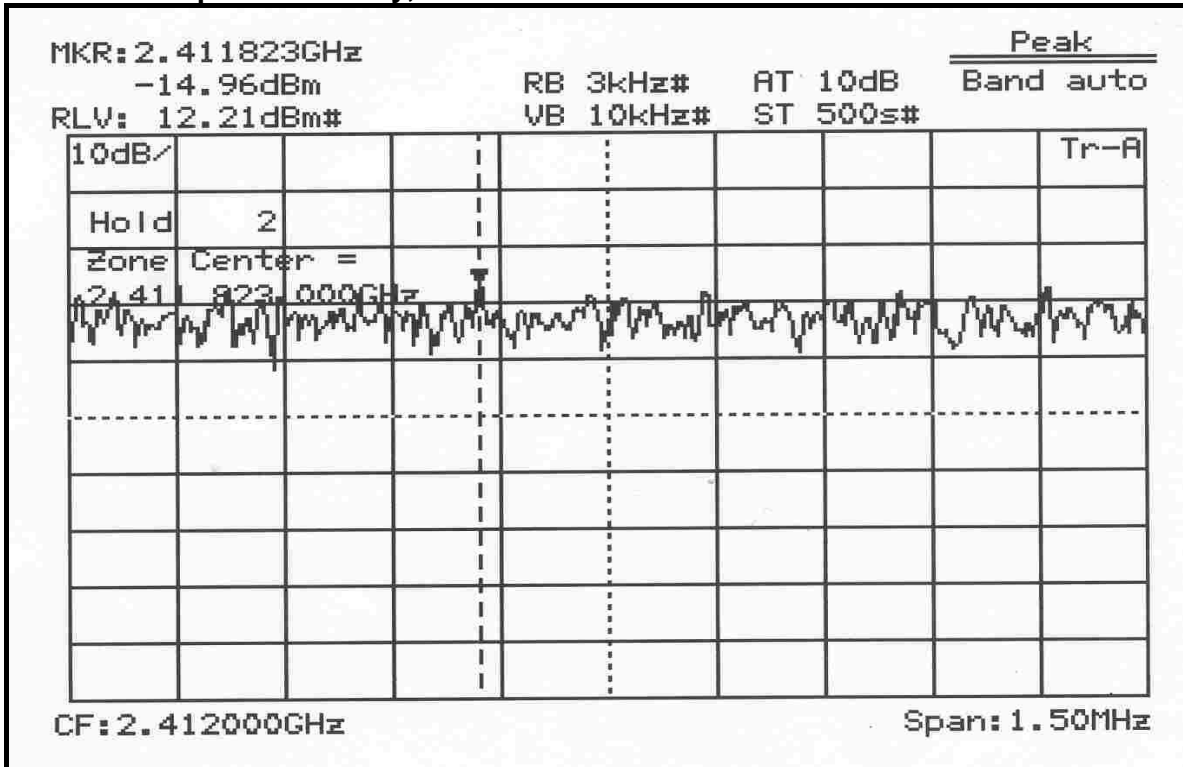
Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dBm)
1	2412	-14.96	8	-22.96
6	2437	-13.63	8	-21.63
11	2462	-13.91	8	-21.91



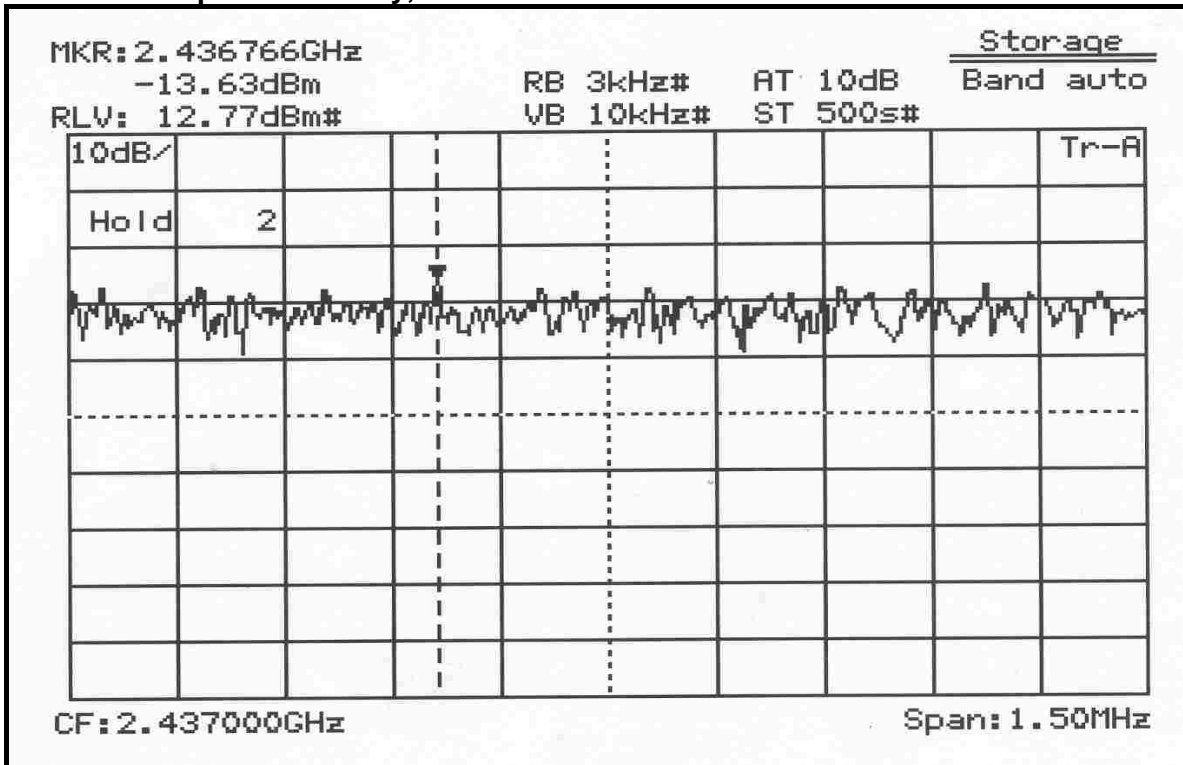
Tested by **Seob Lee**

PLOT OF TEST DATA

Peak Power Spectral Density, Lowest Channel

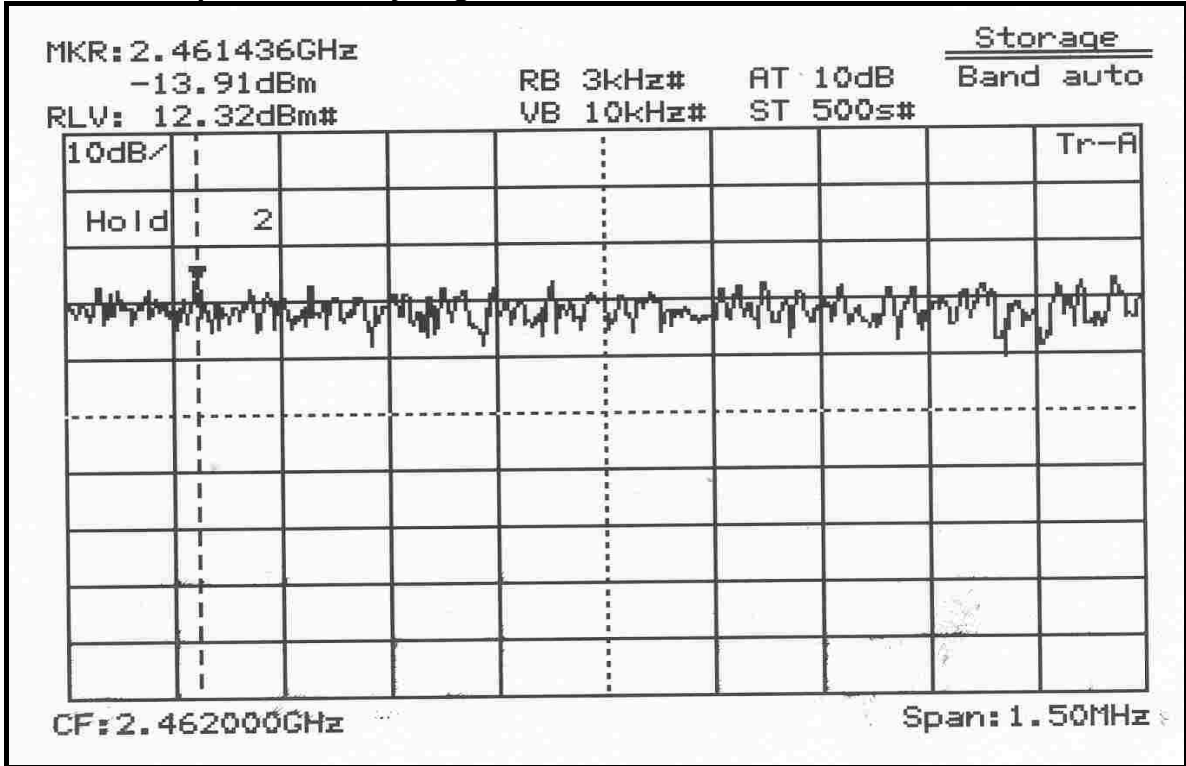


Peak Power Spectral Density, Middle Channel



PLOT OF TEST DATA

Peak Power Spectral Density, Highest Channel



ACCURACY OF MEASUREMENT

The Measurement Uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 with the confidence level of 95%

1. Radiation Uncertainty Calculation

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
Antenna Factor	Normal (k=2)	± 0.5
Cable Loss	Normal (k=2)	± 0.04
Receiver Specification	Rectangular	± 2.0
Antenna directivity	Rectangular	± 1.0
Antenna Factor variation with Height		
Antenna Phase Center Variation		
Antenna Factor Frequency Interpolation		
Measurement Distance Variation		
Site Imperfections	Rectangular	± 2.0
Mismatch:Receiver VRC $r_i=0.3$ Antenna VRC $r_R=0.1(B_i)0.4(L_p)$ Uncertainty Limits $20\text{Log}(1+/-r_i r_R)$	U-Shaped	+ 0.25 / - 0.26
System Repeatability	Std.deviation	± 0.05
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.77
Expanded Uncertainty U	Normal (k=2)	± 3.5

2. Conducted Uncertainty Calculation

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
Receiver Specification	Normal (k=2)	± 2.0
LISN coupling spec.	Normal (k=2)	± 0.4
Cable and input attenuator cal.	Rectangular	± 0.4
Mismatch:Receiver VRC $r_i=0.3$ LISN $r_{rg}=0.1$ Uncertainty Limits $20\text{Log}(1+/-r_i r_R)$	U-Shaped	± 0.26
System Repeatability	Std.deviation	± 0.68
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.18
Expanded Uncertainty U	Normal (k=2)	± 2.4

TEST EQUIPMENT

No.	Instrument	Manufacturer	Model	Calibration Date
1	*Test Receiver	R & S	ESCS 30	2004.08
2	*Amplifier	HP	8447F	2004.01
3	*Amplifier	HP	8449B	2004.03
4	*Spectrum Analyzer	Advantest	R4136	2004.03
5	*Spectrum Analyzer	H.P	8566B	2004.03
6	*Spectrum Analyzer	Anritsu	MS2668C	2003.12
7	*Logbicon Super Antenna	Schwarzbeck	VULB9166	2004.05
8	Dipole Antenna	R & S	VHA9103	2004.07
9	Dipole Antenna	R & S	UHA9105	2004.05
10	*Biconical Log Antenna	ARA	LPB-2520/A	2004.01
11	Asorbing Clamp	R & S	MDS21	2004.07
12	* Horn Antenna	Electro-Metrics	RGA-60	2003.12
13	Signal Generater	R & S	SMP02	2004.07
14	*LISN	R & S	ESH3-Z5	2004.10
15	LISN	Kyoritsu	KNW-408	2003.12
16	*LISN	Kyoritsu	KNW-407	2004.03
17	*Position Controller	EM Eng.	N/A	N/A
18	*Turn Table	EM Eng.	N/A	N/A
19	*Antenna Mast	EM Eng.	N/A	N/A
20	*Anechoic Chamber	EM Eng.	N/A	N/A
21	*Shielded Room	EM Eng.	N/A	N/A
22	*Shielded Room	EM Eng.	N/A	N/A
23	*Power Meter	R & S	NRVS	2004.01
24	*Peak Power Sensor	R & S	NRV-Z32	2004.01

*) Test equipment used during the test

APPENDIX A – LABELLING REQUIREMENTS

Labelling Requirements

The sample label shown shall be *permanently affixed* at a conspicuous location on the device and be readily visible to the user at the time of purchase.

FCC ID: A3LWIP5000M
Brand Name: SAMSUNG
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- **FCC ID Location of EUT**



APPENDIX B – BLOCK DIAGRAM

APPENDIX E – USER’S MANUAL

APPENDIX F – SCHEMATIC DIAGRAM

APPENDIX G – PART LIST
