

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 40 GHz
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TESTED BY	Lori Chiu	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#3856.00	47.68 PK	74.00	-26.32	1.79 H	122	12.93	34.75
1	#3856.00	40.66 AV	54.00	-13.34	1.79 H	122	5.91	34.75
2	*5785.00	96.28 PK			1.35 H	295	57.20	39.08
2	*5785.00	85.54 AV			1.35 H	295	46.46	39.08
3	7712.00	53.75 PK	76.28	-22.53	1.47 H	357	8.25	45.50
3	7712.00	42.65 AV	65.54	-22.89	1.47 H	357	-2.85	45.50
4	#11570.00	65.30 PK	74.00	-8.70	1.52 H	277	14.28	51.02
4	#11570.00	51.43 AV	54.00	-2.57	1.52 H	277	0.41	51.02
5	17355.00	69.42 PK	76.28	-6.86	1.30 H	244	15.54	53.88
5	17355.00	55.52 AV	65.54	-10.02	1.30 H	244	1.64	53.88

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#3856.00	56.31 PK	74.00	-17.69	1.10 V	314	21.56	34.75
1	#3856.00	51.83 AV	54.00	-2.17	1.10 V	314	17.08	34.75
2	*5785.00	108.39 PK			1.00 V	357	69.31	39.08
2	*5785.00	97.04 AV			1.00 V	357	57.96	39.08
3	7712.00	53.56 PK	88.39	-34.83	1.39 V	317	8.06	45.50
3	7712.00	43.05 AV	77.04	-33.99	1.39 V	317	-2.45	45.50
4	#11570.00	63.83 PK	74.00	-10.17	1.03 V	13	12.81	51.02
4	#11570.00	50.91 AV	54.00	-3.09	1.03 V	13	-0.11	51.02
5	17355.00	67.79 PK	88.39	-20.60	1.22 V	298	13.91	53.88
5	17355.00	54.52 AV	77.04	-22.52	1.22 V	298	0.64	53.88

- NOTE:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value
 5. “*” : Fundamental frequency
 6. “#”The radiated frequency falling in the restricted band.
 7. The limit value is defined as per 15.247

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 5	FREQUENCY RANGE	1 ~ 40 GHz
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TESTED BY	Lori Chiu	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#3883.00	53.11 PK	74.00	-20.89	1.05 H	315	18.28	34.83
1	#3883.00	48.93 AV	54.00	-5.07	1.05 H	315	14.10	34.83
2	*5825.00	95.86 PK			1.03 H	295	56.67	39.19
2	*5825.00	85.26 AV			1.03 H	295	46.08	39.19
3	5835.00	67.62 PK	75.86	-8.24	1.03 H	295	28.41	39.21
3	5835.00	59.12 AV	65.26	-6.14	1.03 H	295	19.91	39.21
4	7766.00	53.19 PK	75.86	-22.67	1.37 H	301	7.67	45.53
4	7766.00	42.24 AV	65.26	-23.02	1.37 H	301	-3.28	45.53
5	#11650.00	67.25 PK	74.00	-6.75	1.17 H	319	16.44	50.80
5	#11650.00	52.31 AV	54.00	-1.69	1.17 H	319	1.51	50.80
6	17475.00	65.55 PK	75.86	-10.31	1.12 H	7	11.13	54.41
6	17475.00	53.55 AV	65.26	-11.71	1.12 H	7	-0.86	54.41

- NOTE:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value
 5. “*” : Fundamental frequency
 6. “#”The radiated frequency falling in the restricted band.
 7. The limit value is defined as per 15.247

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 5	FREQUENCY RANGE	1 ~ 40 GHz
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TESTED BY	Lori Chiu	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#3883.00	57.85 PK	87.96	-30.11	1.08 V	15	23.02	34.83
1	#3883.00	52.45 AV	77.85	-25.40	1.08 V	15	17.62	34.83
2	*5825.00	107.96 PK			1.01 V	355	68.77	39.19
2	*5825.00	97.85 AV			1.01 V	355	58.66	39.19
3	5835.00	76.71 PK	87.96	-11.25	1.01 V	355	37.50	39.21
3	5835.00	68.21 AV	77.85	-9.64	1.01 V	355	29.00	39.21
4	7766.00	54.04 PK	87.96	-33.92	1.04 V	324	8.52	45.53
4	7766.00	44.82 AV	77.85	-33.03	1.04 V	324	-0.70	45.53
5	#11650.00	68.45 PK	74.00	-5.55	1.20 V	359	17.65	50.80
5	#11650.00	52.42 AV	54.00	-1.58	1.20 V	359	1.62	50.80
6	17475.00	66.05 PK	87.96	-21.91	1.21 V	314	11.64	54.41
6	17475.00	53.01 AV	77.85	-24.84	1.21 V	314	-1.40	54.41

- NOTE:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value
 5. “*” : Fundamental frequency
 6. “#”The radiated frequency falling in the restricted band.
 7. The limit value is defined as per 15.247

802.11a Turbo OFDM modulation

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 40 GHz
MODULATION TYPE	QPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	12Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TESTED BY	Lori Chiu	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB)
1	#3840.00	47.07 PK	74.00	-26.93	1.35 H	75	12.37	34.70
1	#3840.00	39.80 AV	54.00	-14.20	1.35 H	75	5.10	34.70
2	*5760.00	94.31 PK			1.21 H	147	55.29	39.02
2	*5760.00	84.68 AV			1.21 H	147	45.66	39.02
3	#7680.00	54.10 PK	74.00	-19.90	1.09 H	272	8.66	45.44
3	#7680.00	40.96 AV	54.00	-13.04	1.09 H	272	-4.48	45.44
4	#11520.00	58.31 PK	74.00	-15.69	1.13 H	338	7.15	51.16
4	#11520.00	46.23 AV	54.00	-7.77	1.13 H	338	-4.93	51.16
5	17280.00	64.44 PK	74.31	-9.87	1.06 H	163	10.80	53.64
5	17280.00	52.24 AV	64.68	-12.44	1.06 H	163	-1.40	53.64

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB)
1	#3840.00	52.36 PK	74.00	-21.64	1.42 V	273	17.66	34.70
1	#3840.00	48.66 AV	54.00	-5.34	1.42 V	273	13.96	34.70
2	*5760.00	105.43 PK			1.14 V	141	66.41	39.02
2	*5760.00	96.35 AV			1.46 V	351	57.33	39.02
3	#7680.00	53.98 PK	74.00	-20.02	1.07 V	100	8.54	45.44
3	#7680.00	41.27 AV	54.00	-12.73	1.07 V	100	-4.17	45.44
4	#11520.00	58.83 PK	74.00	-15.17	1.11 V	125	7.67	51.16
4	#11520.00	46.92 AV	54.00	-7.08	1.11 V	125	-4.24	51.16
5	17280.00	64.62 PK	85.43	-20.81	1.50 V	269	10.98	53.64
5	17280.00	52.06 AV	76.35	-24.29	1.50 V	269	-1.58	53.64

NOTE:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB).
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ” : Fundamental frequency.
6. “ # ” The radiated frequency falling in the restricted band.
7. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 2	FREQUENCY RANGE	1 ~ 40 GHz
MODULATION TYPE	QPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	12Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TESTED BY	Lori Chiu	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB)
1	#3866.00	49.40 PK	74.00	-24.60	1.43 H	117	14.63	34.78
1	#3866.00	43.01 AV	54.00	-10.99	1.43 H	117	8.24	34.78
2	*5800.00	95.49 PK			1.72 H	117	56.37	39.12
2	*5800.00	86.20 AV			1.72 H	117	47.08	39.12
3	#7732.00	53.87 PK	74.00	-20.13	1.15 H	45	8.35	45.51
3	#7732.00	40.96 AV	54.00	-13.04	1.15 H	45	-4.56	45.51
4	#11600.00	63.90 PK	74.00	-10.10	1.30 H	94	12.97	50.93
4	#11600.00	50.26 AV	54.00	-3.74	1.30 H	94	-0.67	50.93
5	17400.00	65.60 PK	75.49	-9.89	1.10 H	193	11.61	53.99
5	17400.00	52.92 AV	66.20	-13.28	1.10 H	193	-1.07	53.99

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB)
1	#3866.00	56.68 PK	74.00	-17.32	1.28 V	97	21.91	34.78
1	#3866.00	52.32 AV	54.00	-1.68	1.28 V	97	17.55	34.78
2	*5800.00	106.24 PK			1.05 V	140	67.12	39.12
2	*5800.00	96.29 AV			1.05 V	140	57.17	39.12
3	#7732.00	53.52 PK	74.00	-20.48	1.34 V	248	8.00	45.51
3	#7732.00	40.96 AV	54.00	-13.04	1.34 V	248	-4.56	45.51
4	#11600.00	60.00 PK	74.00	-14.00	1.04 V	83	9.07	50.93
4	#11600.00	47.93 AV	54.00	-6.07	1.04 V	83	-3.00	50.93
5	17400.00	66.07 PK	86.24	-20.17	1.19 V	334	12.08	53.99
5	17400.00	52.99 AV	76.29	-23.30	1.19 V	334	-1.00	53.99

NOTE:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB).
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. “ * ” : Fundamental frequency.
6. “ # ” The radiated frequency falling in the restricted band.
7. The limit value is defined as per 15.247.

5.3 6dB BANDWIDTH MEASUREMENT

5.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

5.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSEK30	100049	Aug. 14, 2006

NOTES: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.3.4 DEVIATION FROM TEST STANDARD

No deviation

5.3.5 TEST SETUP



5.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

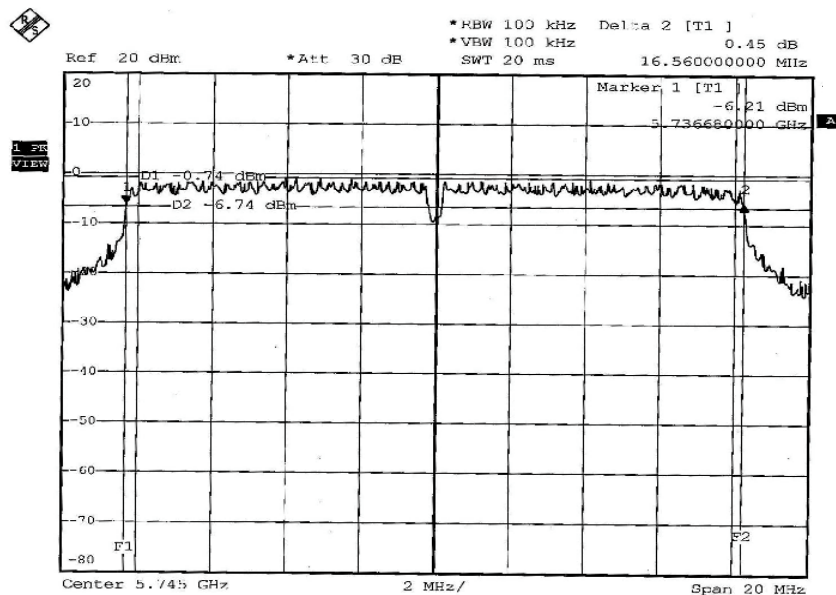
5.3.7 TEST RESULTS

802.11a OFDM modulation

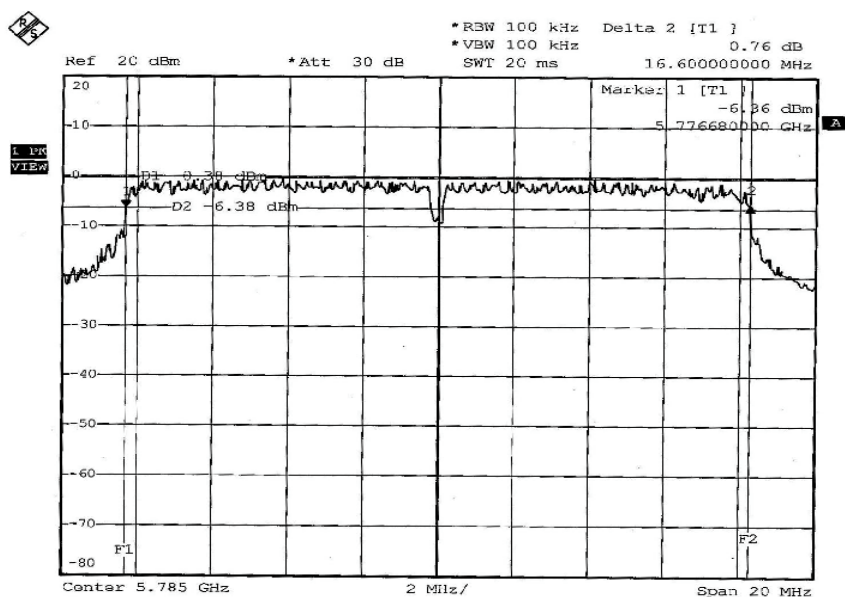
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	5745	16.56	0.5	PASS
3	5785	16.60	0.5	PASS
5	5825	16.56	0.5	PASS

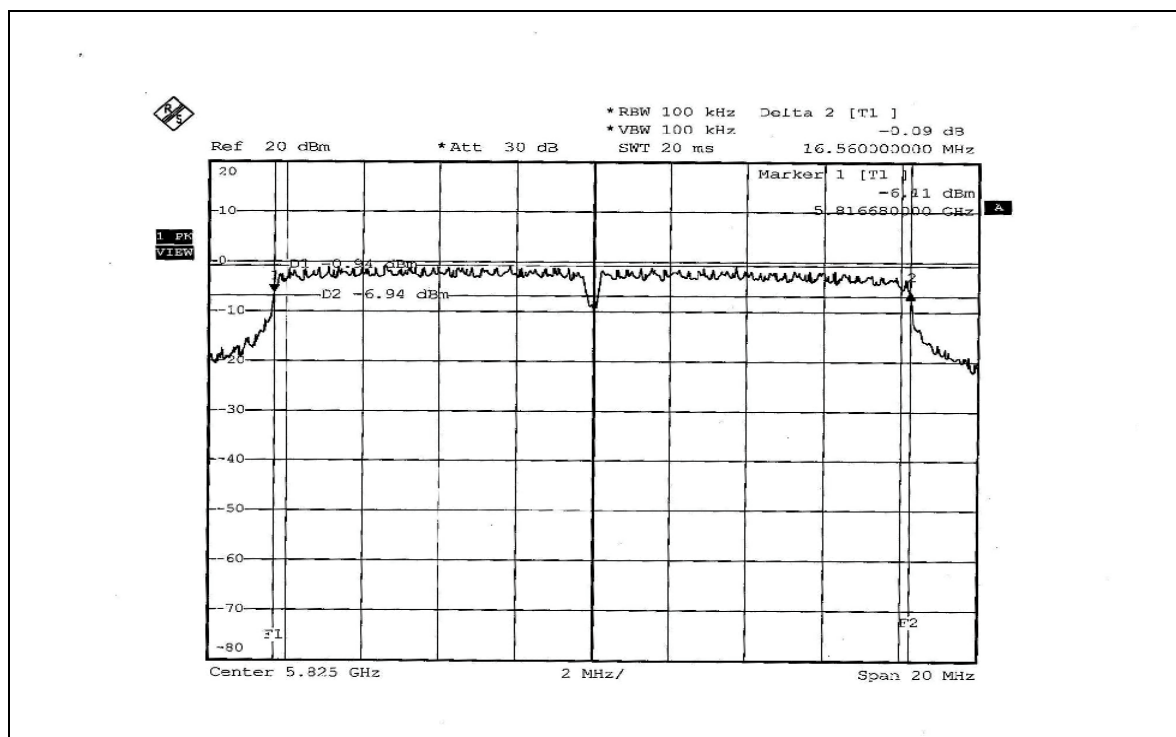
CH 1



CH 3



CH 5

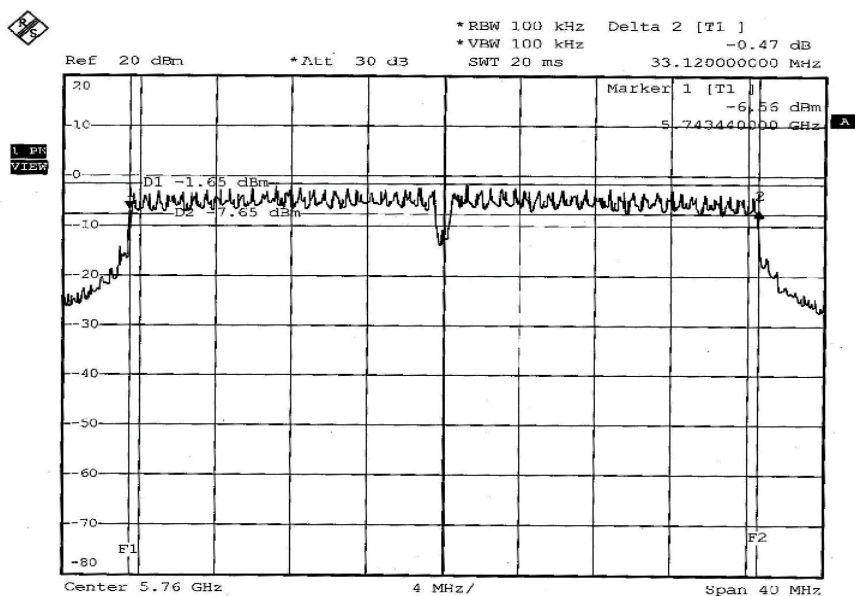


802.11a Turbo OFDM modulation

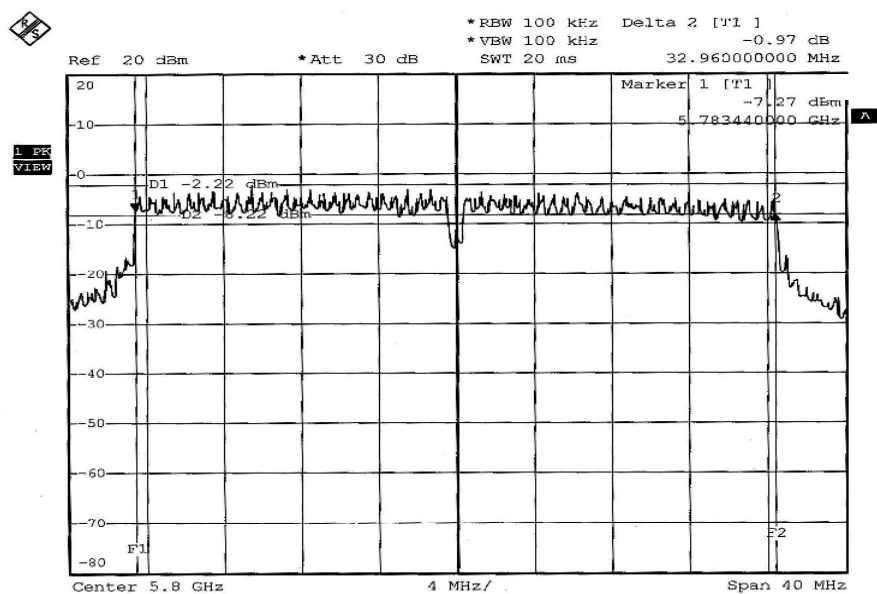
MODULATION TYPE	BPSK	TRANSFER RATE	12Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	5760	33.12	0.5	PASS
2	5800	32.96	0.5	PASS

CH 1



CH 2



5.4 MAXIMUM PEAK OUTPUT POWER

5.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

5.4.2 INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSEK30	100049	Aug. 14, 2006
AGILENT SIGNAL GENERATOR	E8257C	MY43320668	Dec. 07, 2006
TEKTRONIX OSCILLOSCOPE	TDS 1012	C019167	Jan. 16, 2007
NARDA DETECTOR	4503A	FSCM99899	NA

NOTE:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA..

5.4.3 TEST PROCEDURES

1. A detector was used on the output port of the EUT. An oscilloscope was used to read the response of the detector.
2. Replaced the EUT by the signal generator . The center frequency of the S.G was adjusted to the center frequency of the measured channel.
3. Adjusted the power to have the same reading on oscilloscope. Record the power level.

5.4.4 DEVIATION FROM TEST STANDARD

No deviation

5.4.5 TEST SETUP



5.4.6 EUT OPERATING CONDITIONS

Same as Item 5.3.6

5.4.7 TEST RESULTS

802.11a OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	5745	51.168	17.09	30	PASS
3	5785	50.466	17.03	30	PASS
5	5825	50.582	17.04	30	PASS

802.11a Turbo OFDM modulation

MODULATION TYPE	QPSK	TRANSFER RATE	12Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	5760	50.350	17.02	30	PASS
2	5800	50.699	17.05	30	PASS

5.5 POWER SPECTRAL DENSITY MEASUREMENT

5.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

5.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSEK30	100049	Aug. 14, 2006

NOTES:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.5.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3 kHz RBW and 30 kHz VBW, set sweep time = span/3 kHz. The power spectral density was measured and recorded.

The sweep time is allowed to be longer than span/3 kHz for a full response of the mixer in the spectrum analyzer.

5.5.4 DEVIATION FROM TEST STANDARD

No deviation

5.5.5 TEST SETUP



5.5.6 EUT OPERATING CONDITION

Same as Item 5.3.6

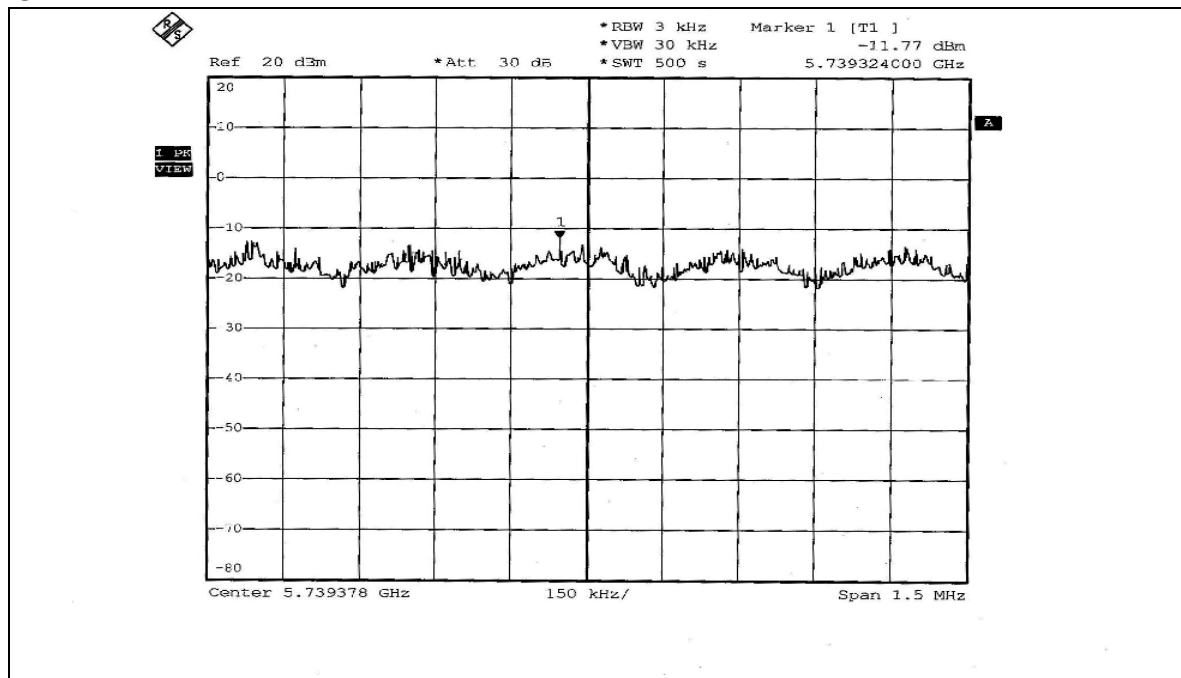
5.5.7 TEST RESULTS

802.11a OFDM modulation

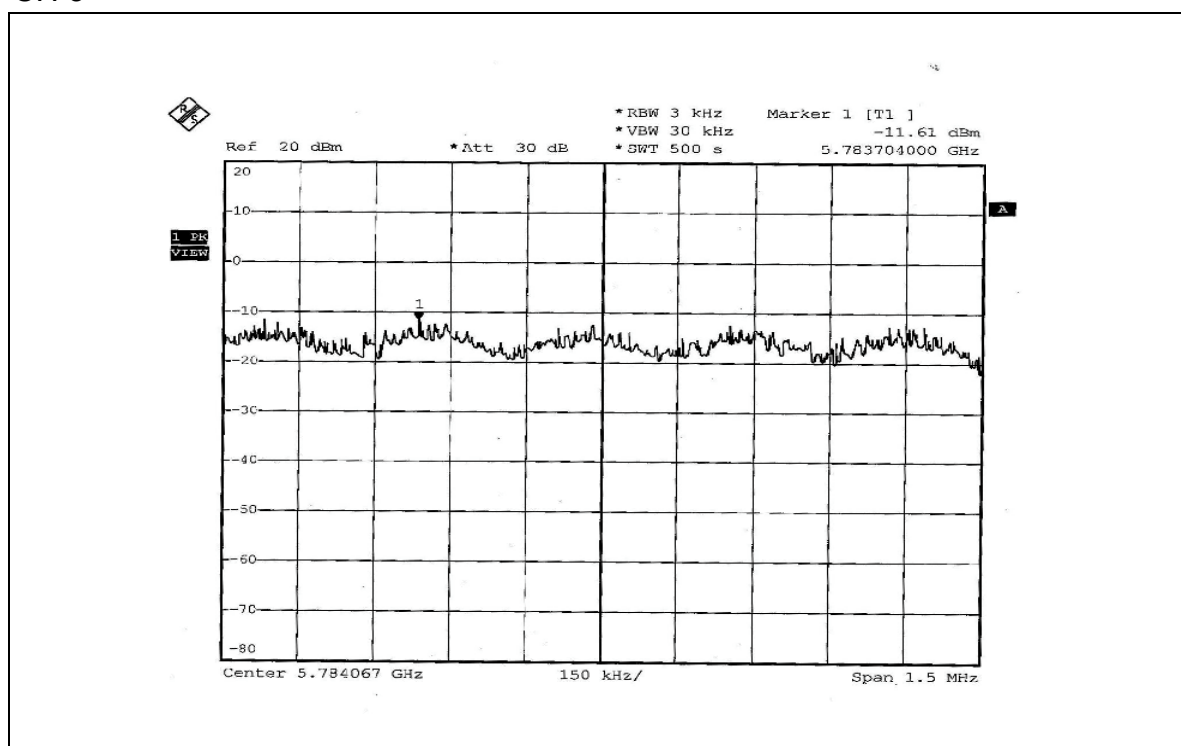
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5745	-11.77	8	PASS
3	5785	-11.61	8	PASS
5	5825	-11.12	8	PASS

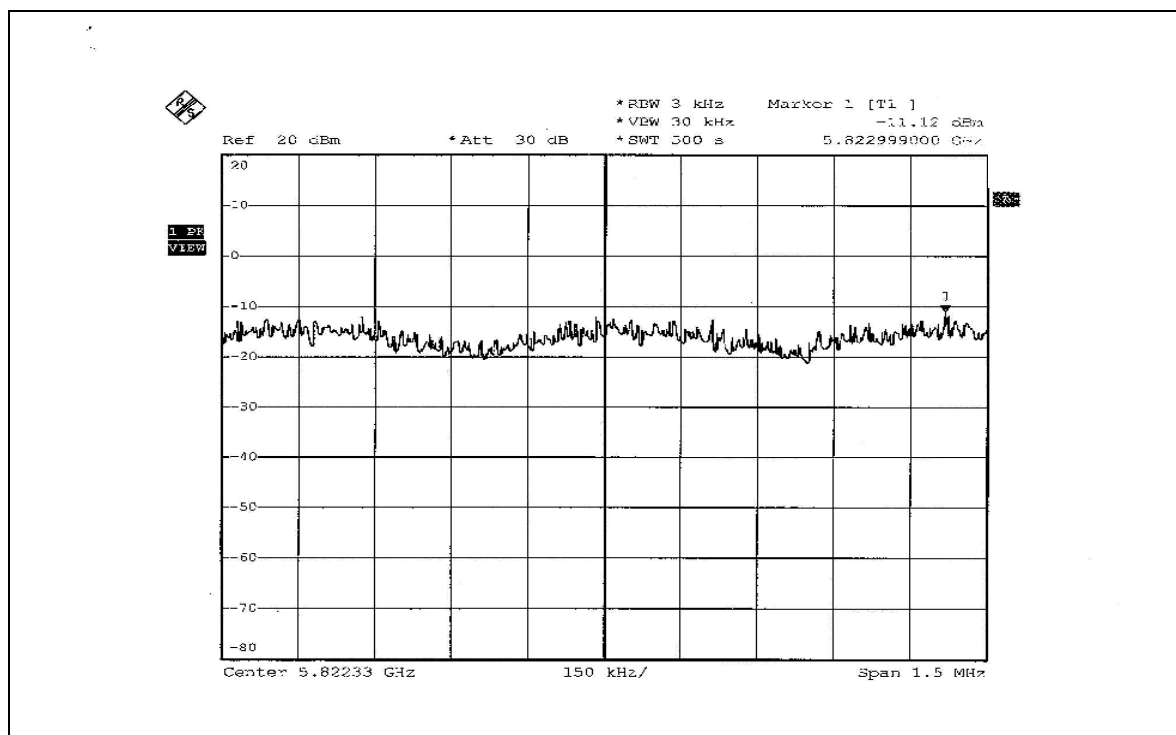
CH 1



CH 3



CH 5



802.11a Turbo OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	12Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5760	-14.56	8	PASS
2	5800	-11.16	8	PASS

5.6 BAND EDGES MEASUREMENT

5.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

5.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSEK30	100049	Aug. 14, 2006

NOTES:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz bandwidth from band edge. The band edges were measured and recorded.

5.6.4 DEVIATION FROM TEST STANDARD

No deviation

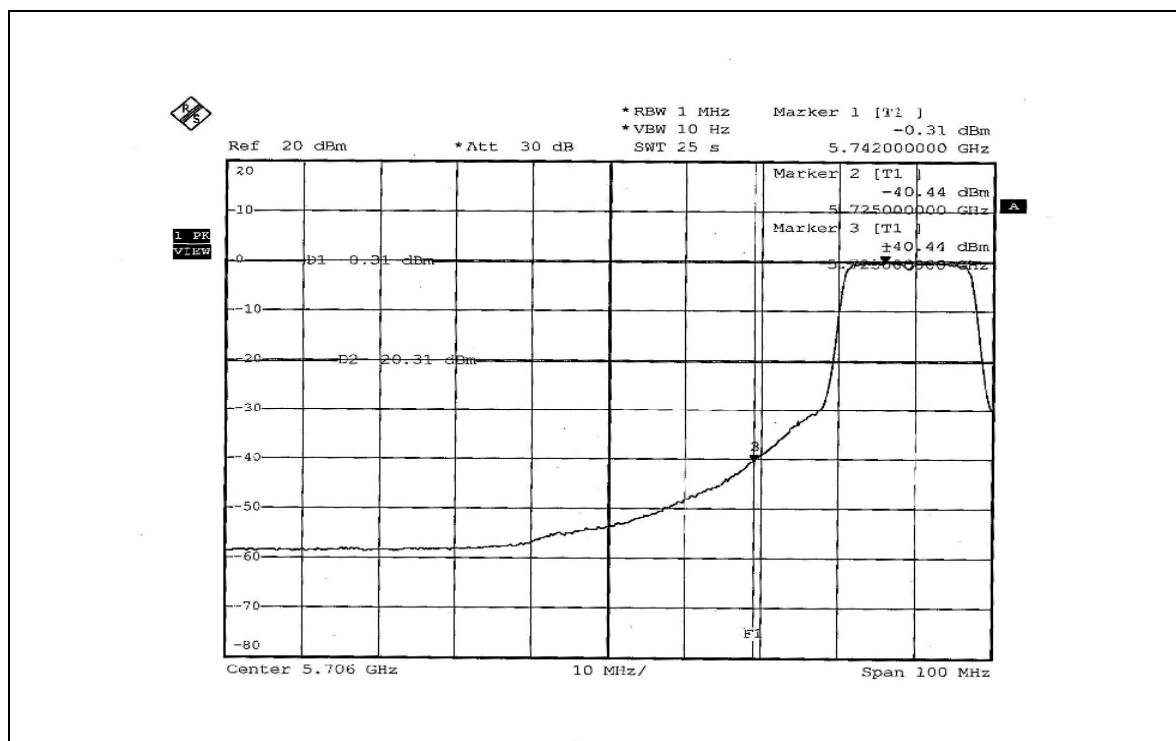
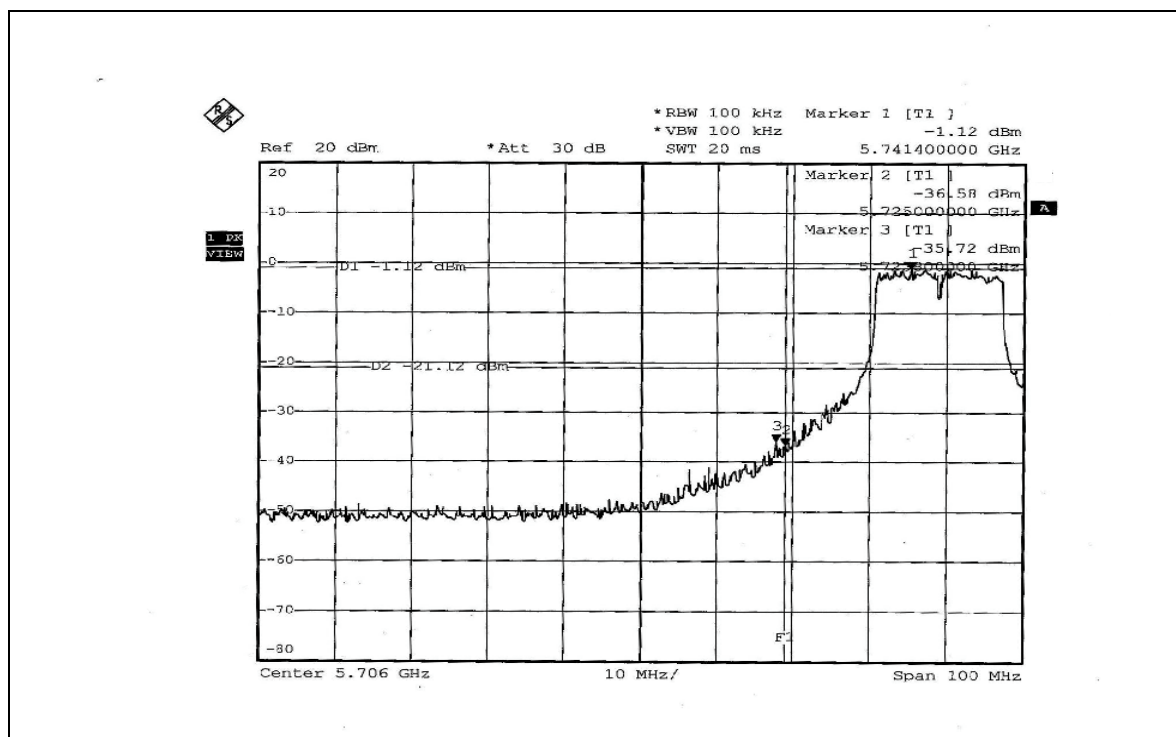
5.6.5 EUT OPERATING CONDITION

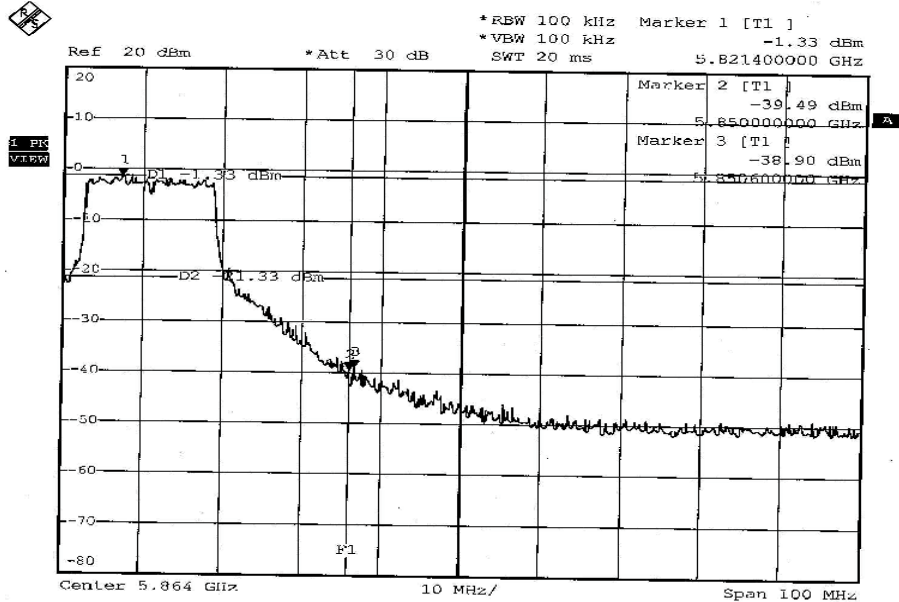
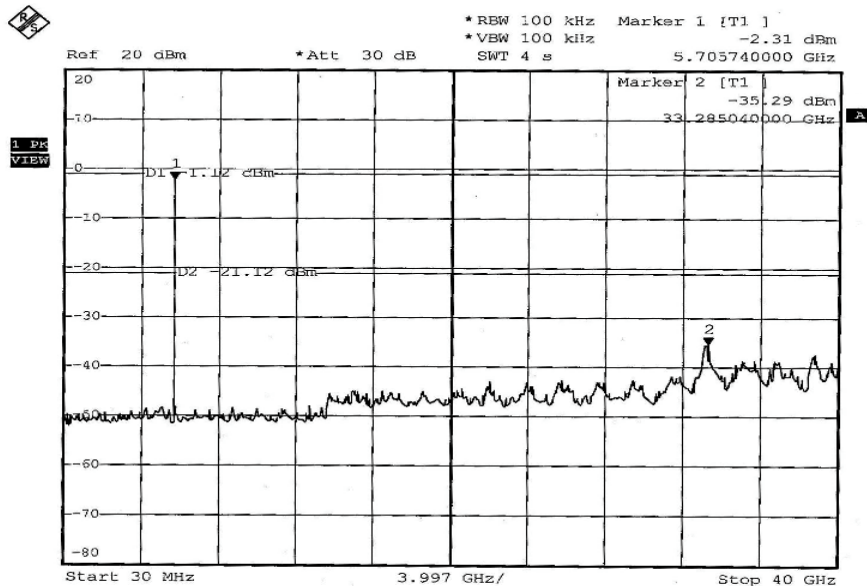
Same as Item 5.9.6

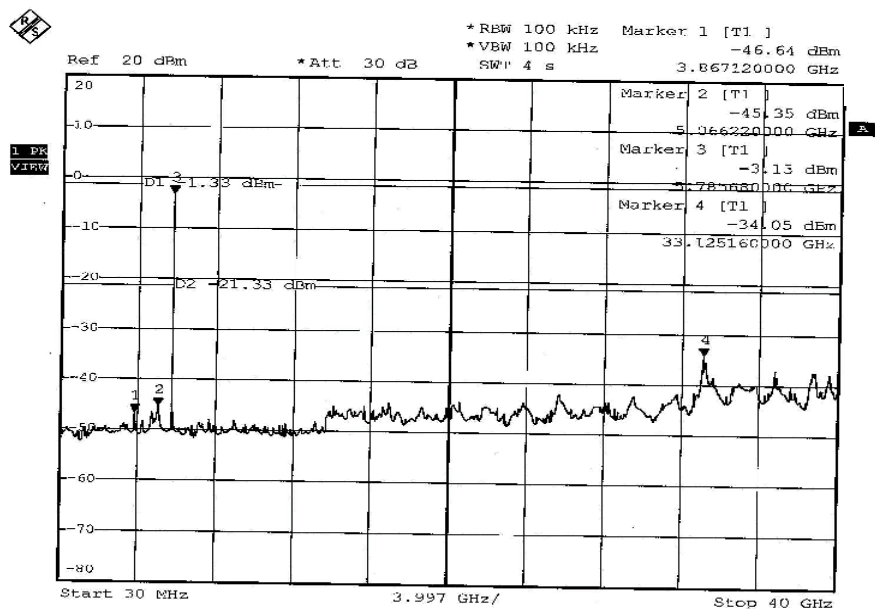
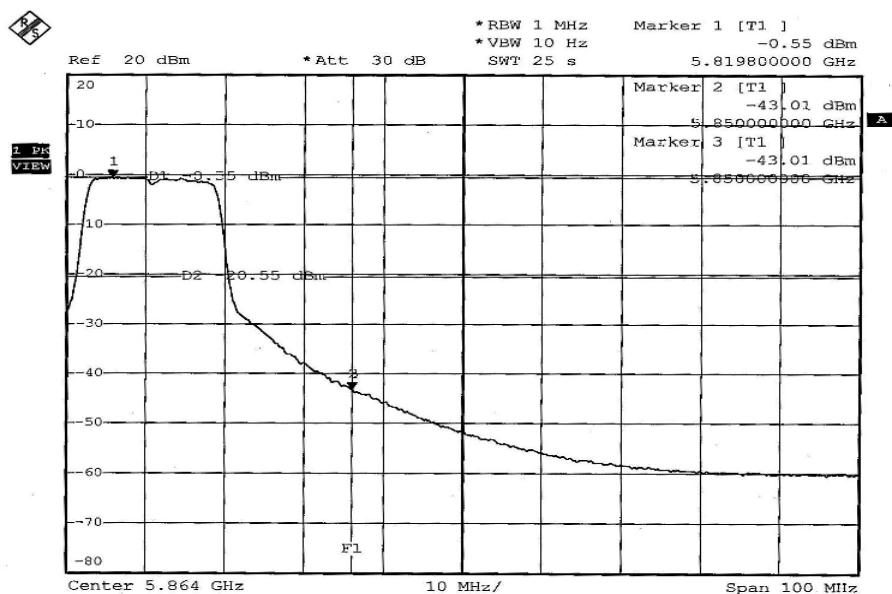
5.6.6 TEST RESULTS

The spectrum plots are attached on the following pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(d).

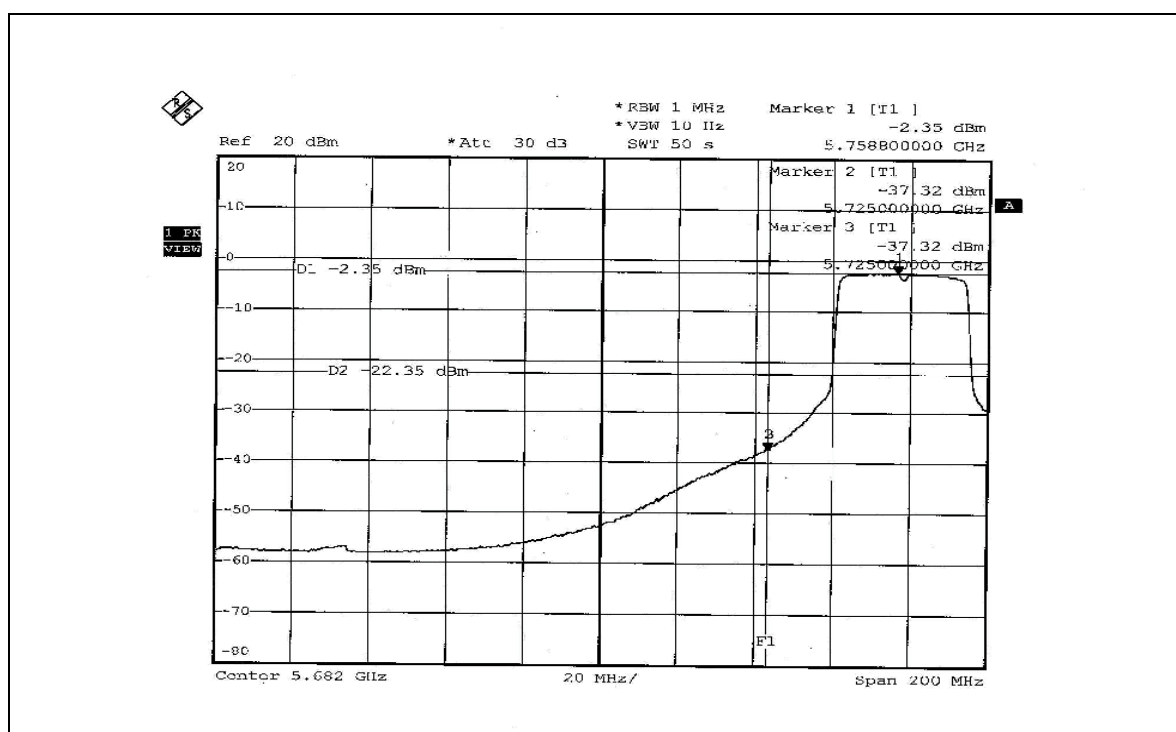
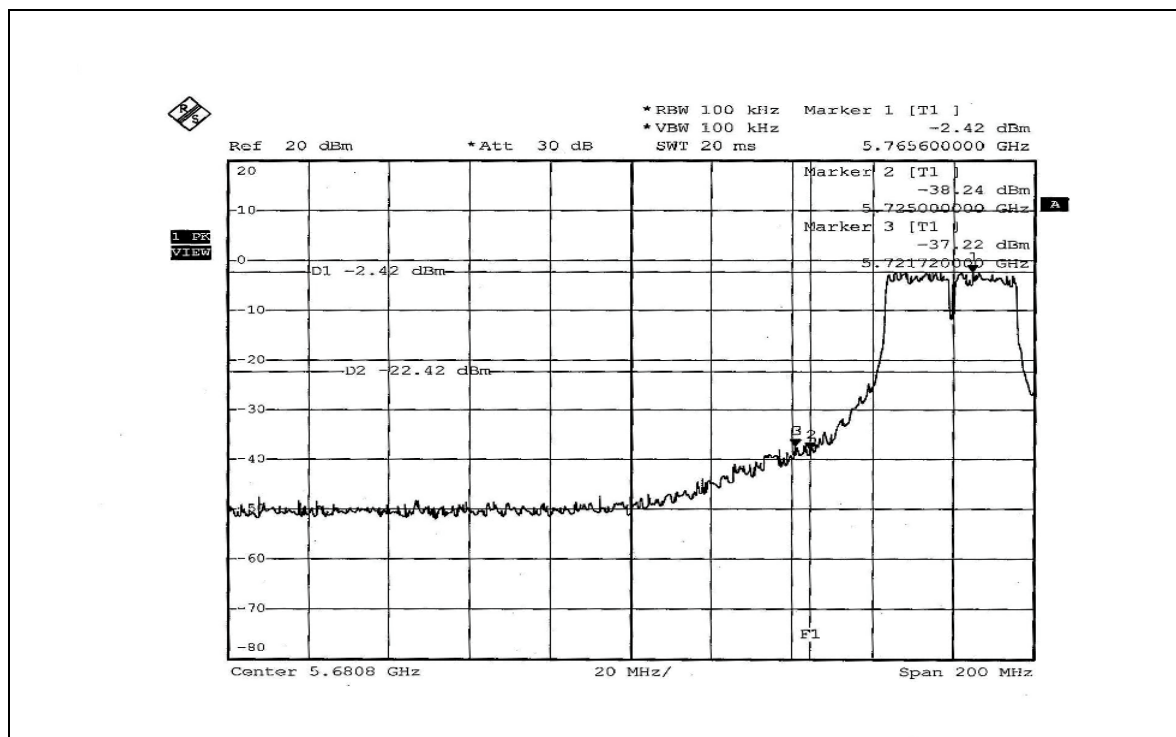
802.11a OFDM modulation

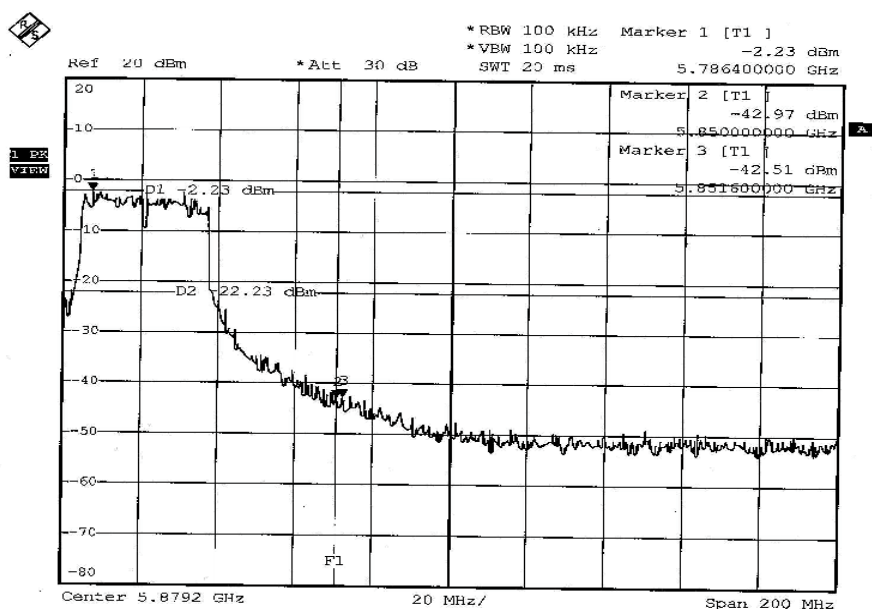
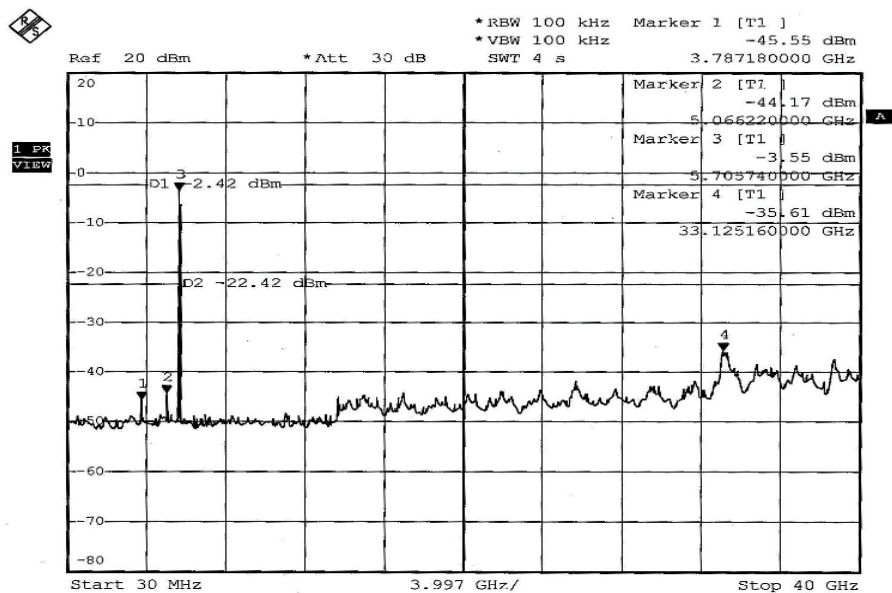


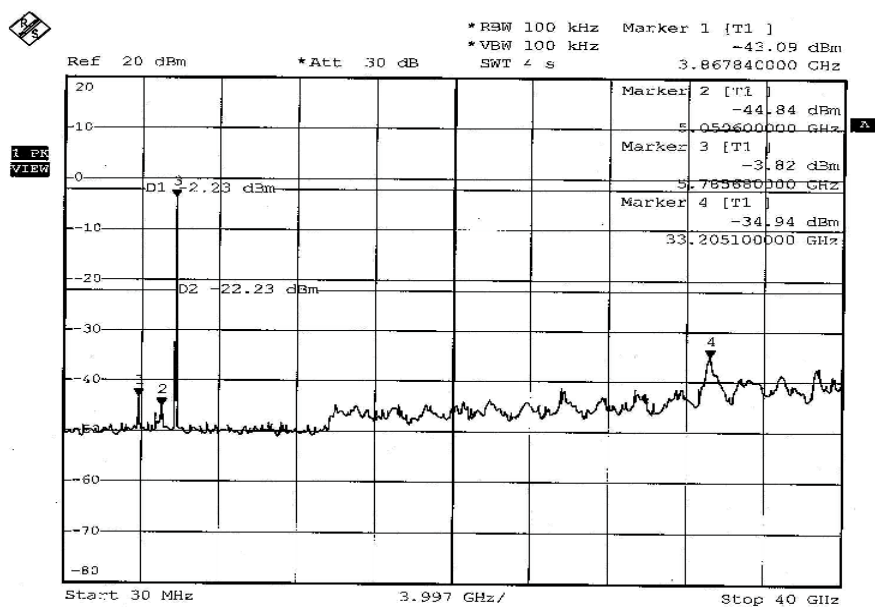
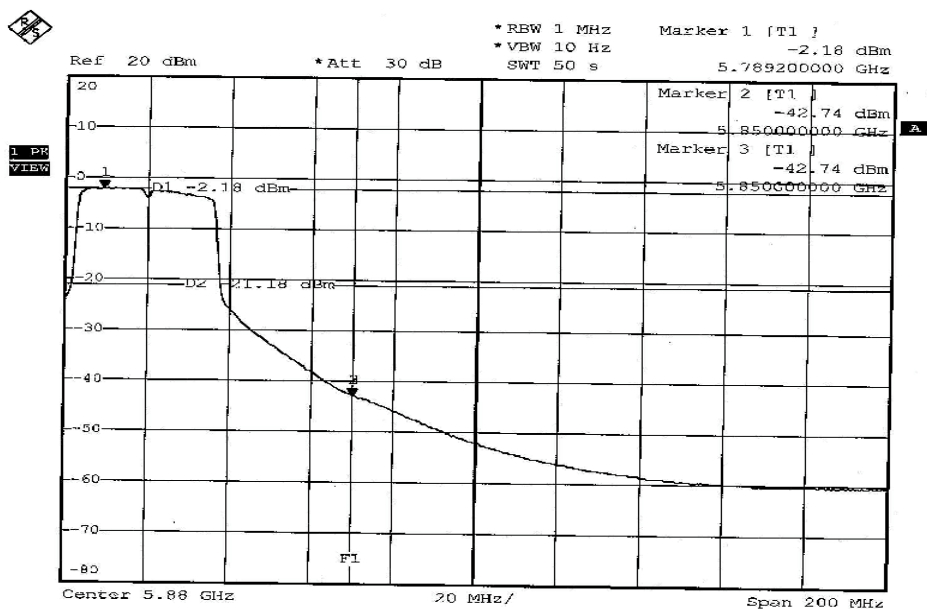




802.11a Turbo OFDM modulation







5.7 ANTENNA REQUIREMENT

5.7.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247(a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.7.2 ANTENNA CONNECTED CONSTRUCTION

The antenna used in this product is Dipole antenna with Reverse SMA connector. The maximum Gain with antenna is 5.39536dBi.

6. PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST

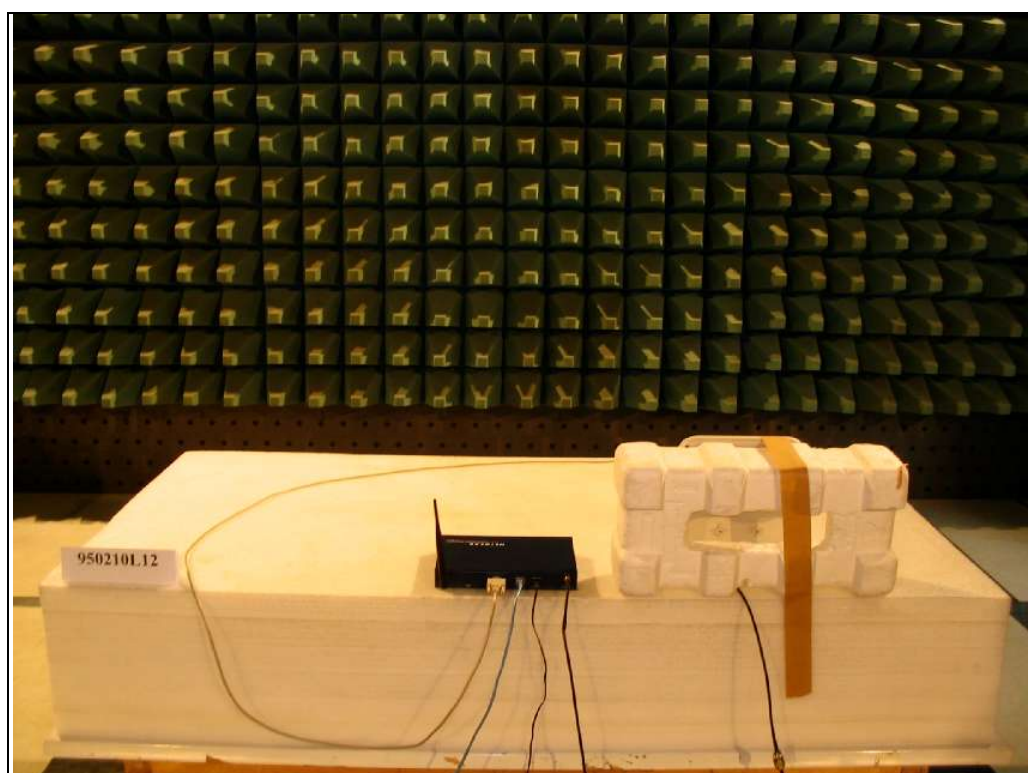
MODE A



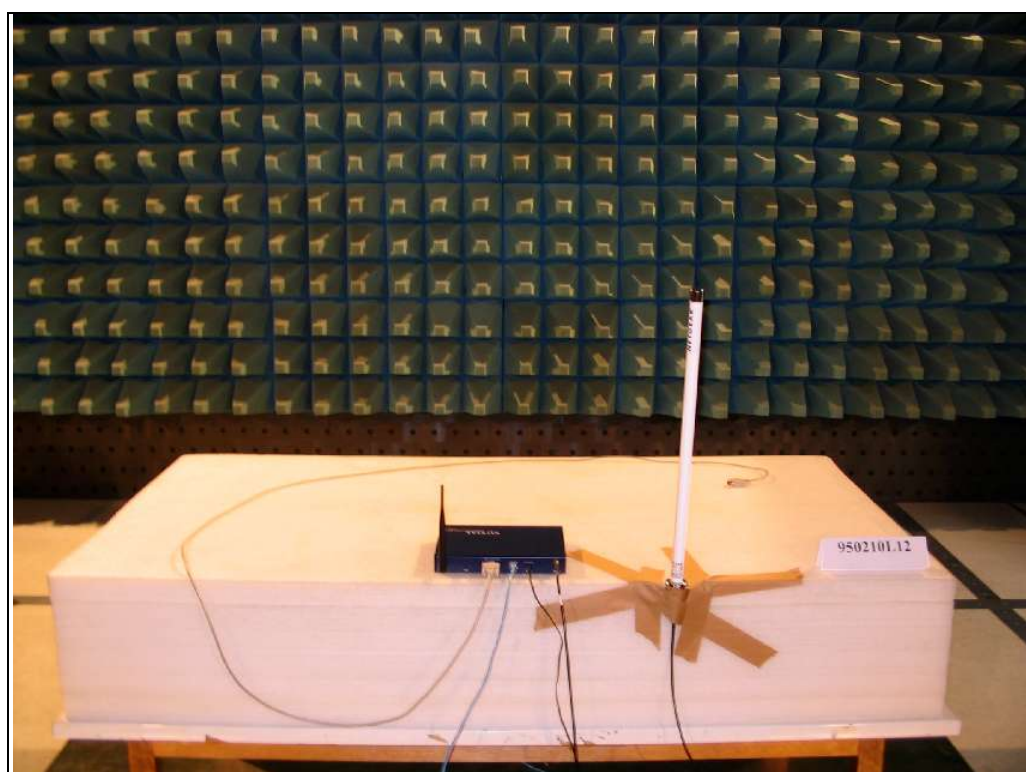
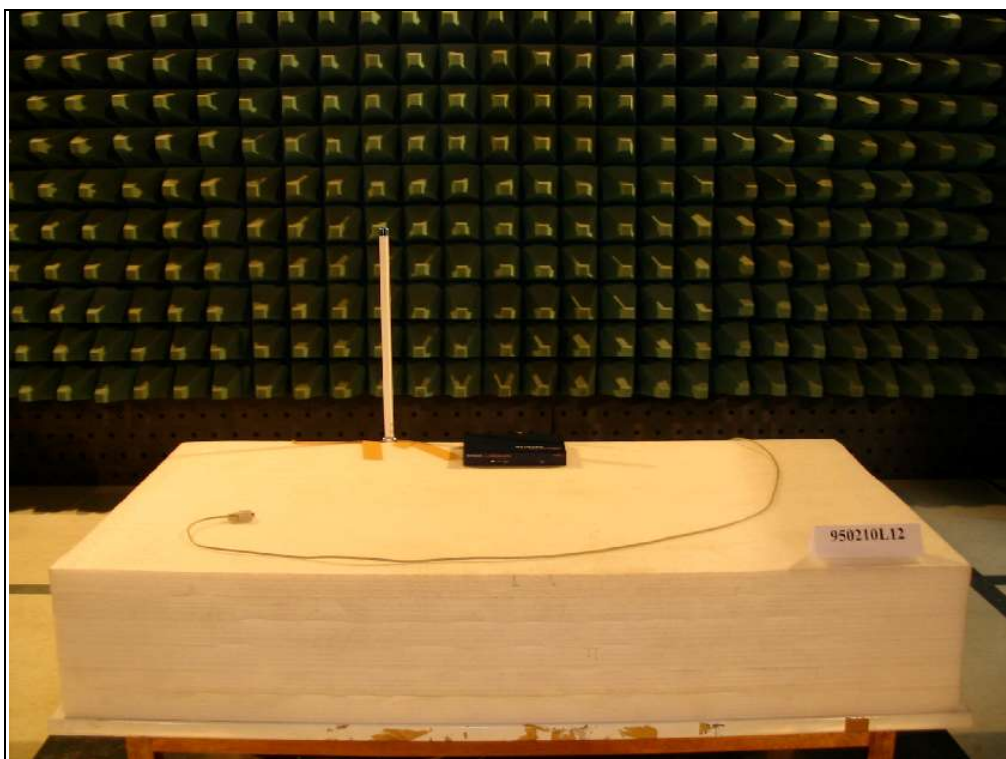
MODE D



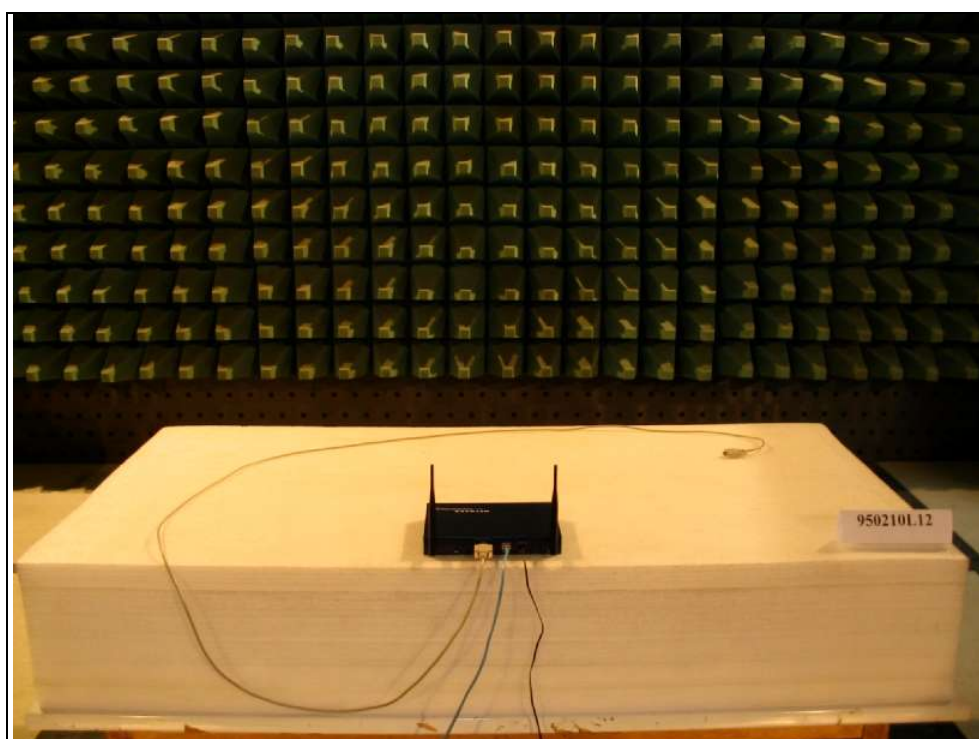
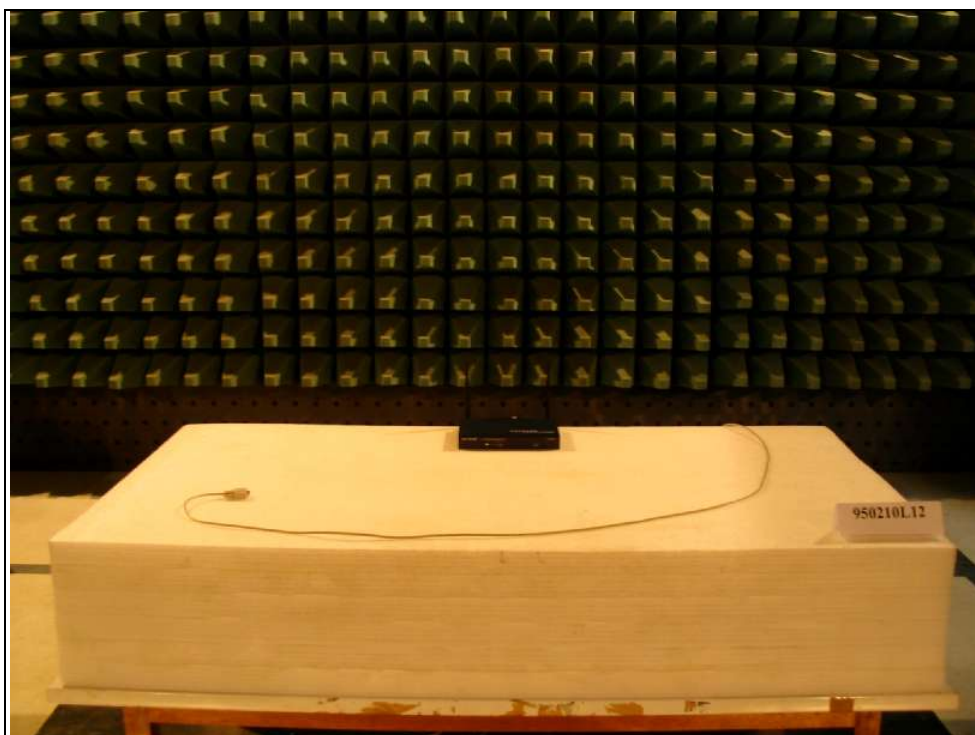
RADIATED EMISSION TEST MODE A



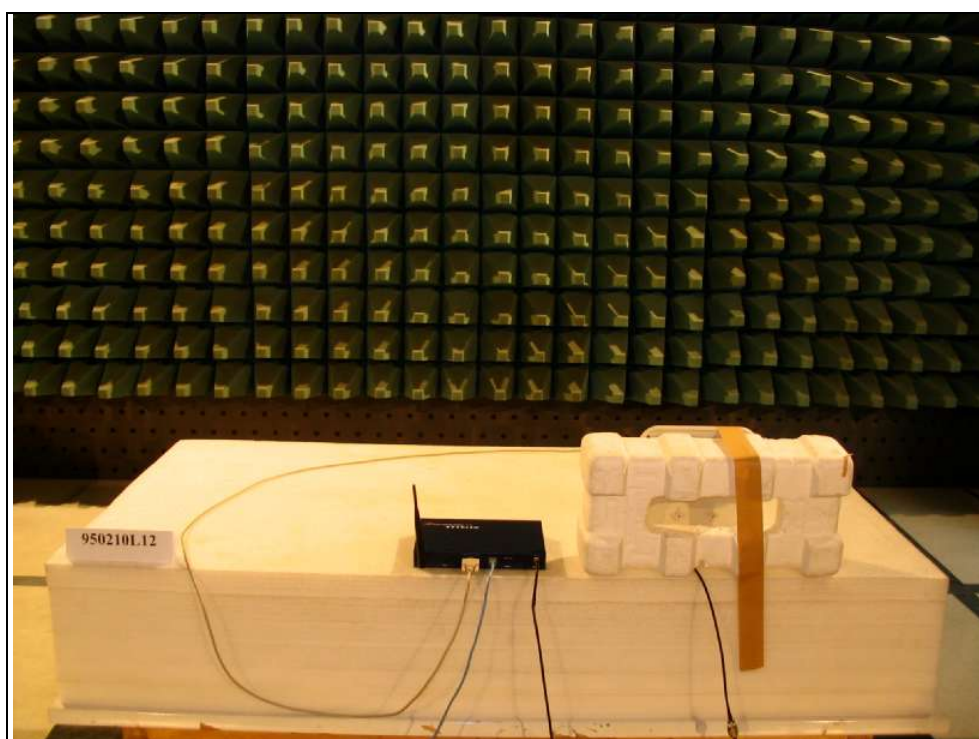
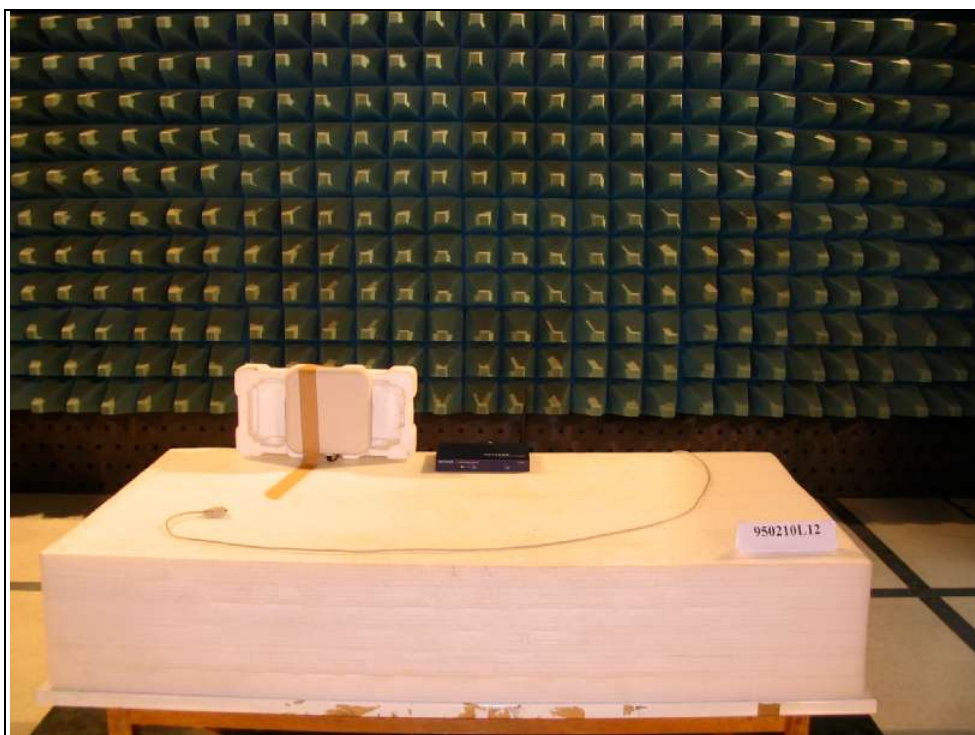
MODE B



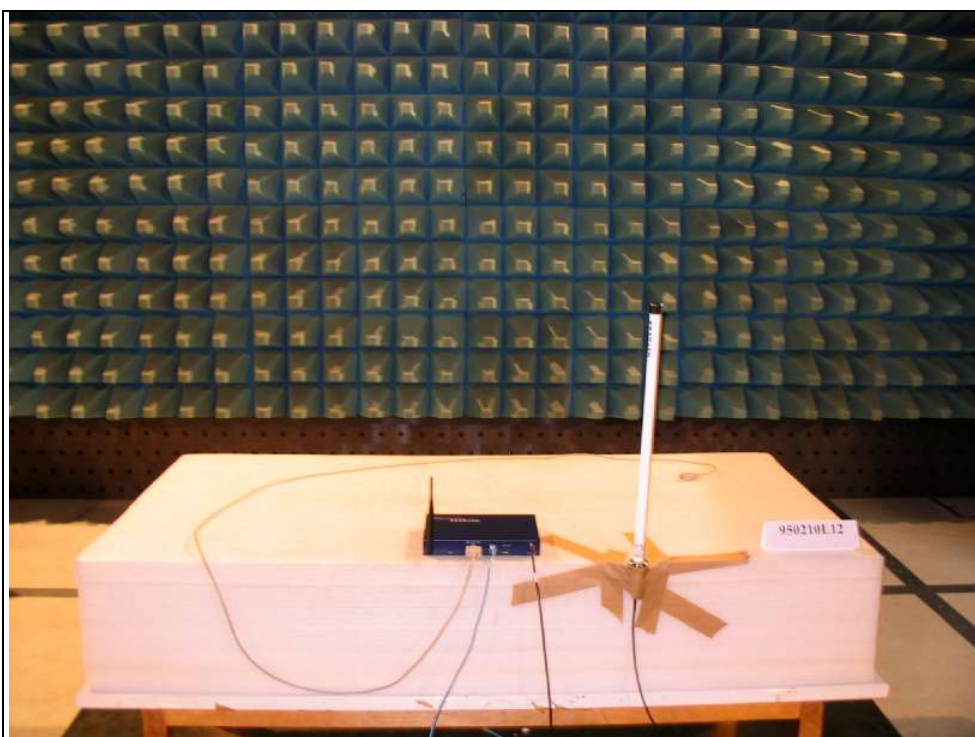
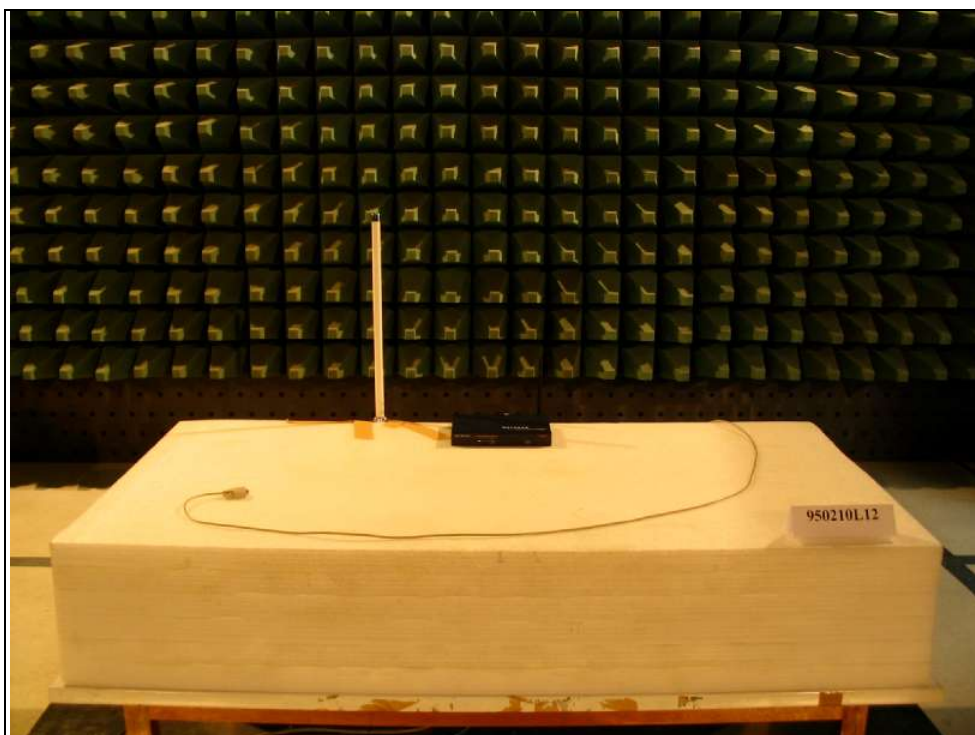
MODE C



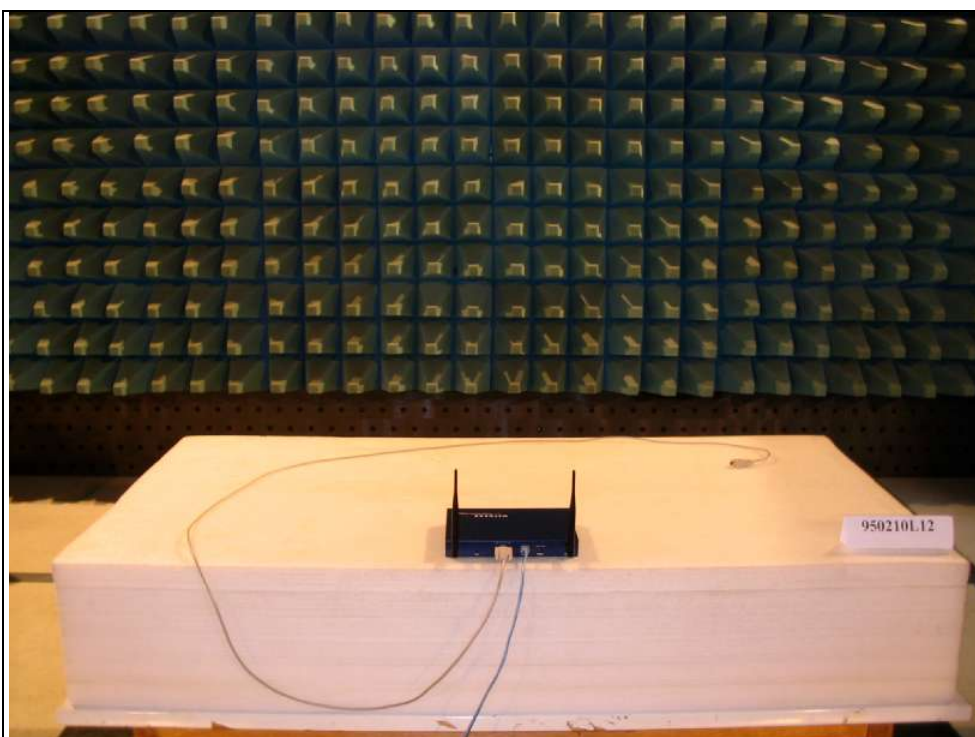
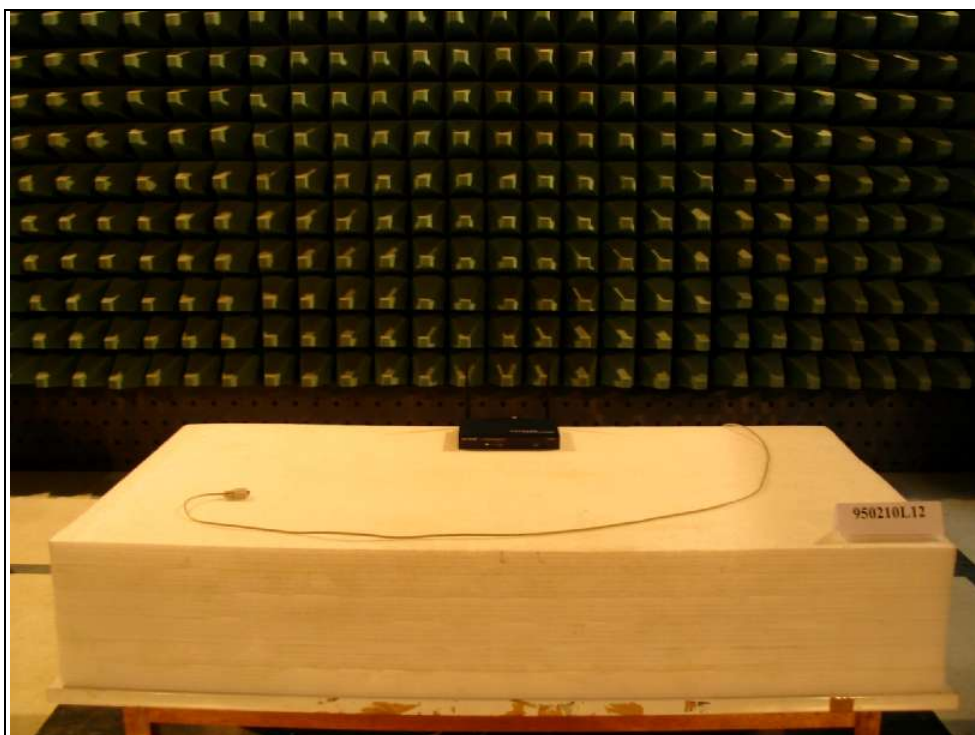
MODE D



MODE E



MODE F



7. INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025

USA	FCC, UL, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, DGT
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site:

www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:

Tel: 886-2-26052180

Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:

Tel: 886-3-3183232

Fax: 886-3-3185050

Linko RF Lab.

Tel: 886-3-3270910

Fax: 886-3-3270892

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.