Appendix B. Attachment of Report for additional measurement data

EQUIPMENT: AP3750 Managed Access Point
TRADE NAME : 3COM
MODEL NO. : AP3750
APPLICANT: 3Com Corporation
350 Campus Drive, Marlborough, Mass. 01752 USA

The test result shown in the test report is the same with that of the original one in test report no. **FR540715**, except Test of **Spurious Radiated Emission due to additional antenna (Model: 3CWE592, Type: Dualband Ceiling Omnidirectional Antenna, Gain: 4dBi)** as a result of the different case from the original EUT due to additional antenna used to this access point.

This attachment should be filed together with original test report **FR540715** for reference.

Only the test result of 802.11a part (5725MHz ~ 5850MHz) is shown in this test report.

Wayne Hsu / Supervisor
Sporton International Inc.

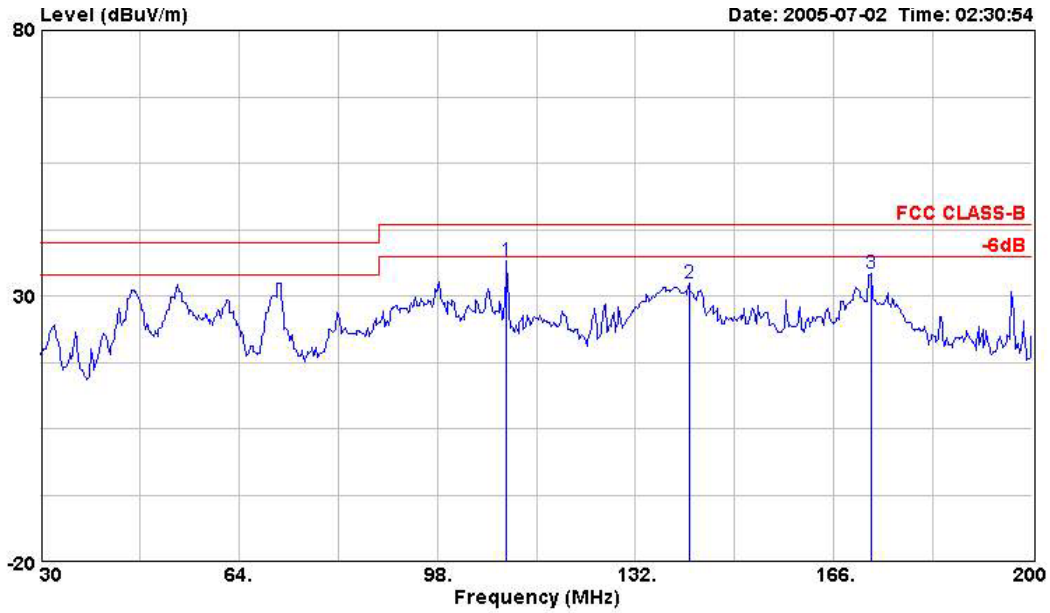
Sporton International Inc.
6F, No. 106, Sec. 1, Hsin Tai Wu Rd.,
Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

B.1 Test Result of Radiated Emission

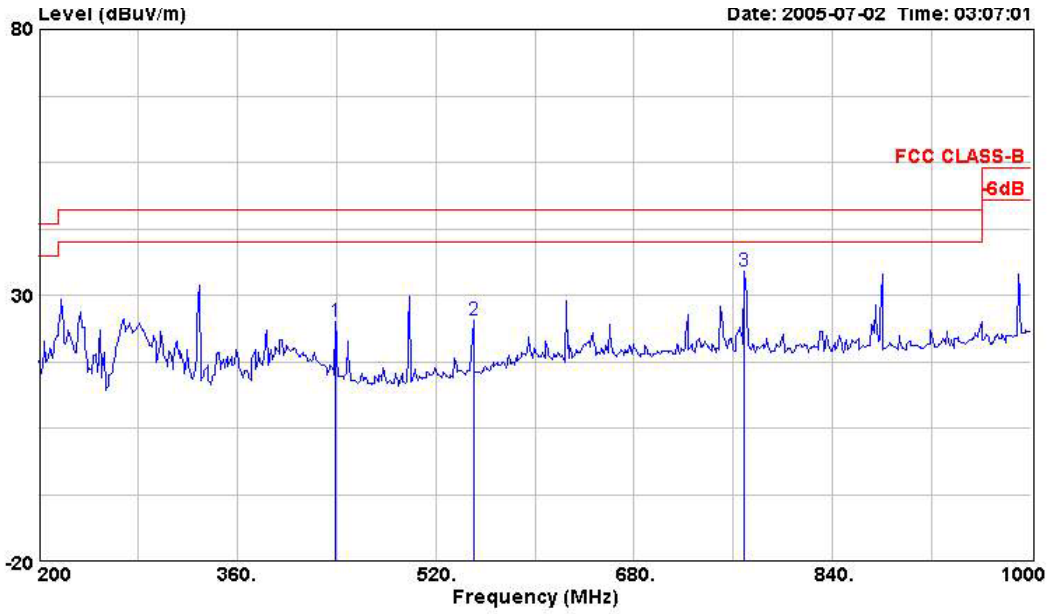
B1.1 Test Results for CH 165 / 5825 MHz (for emission below 1GHz)

- Frequency Range of Test : from 30 MHz to 1000 MHz
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

Horizontal

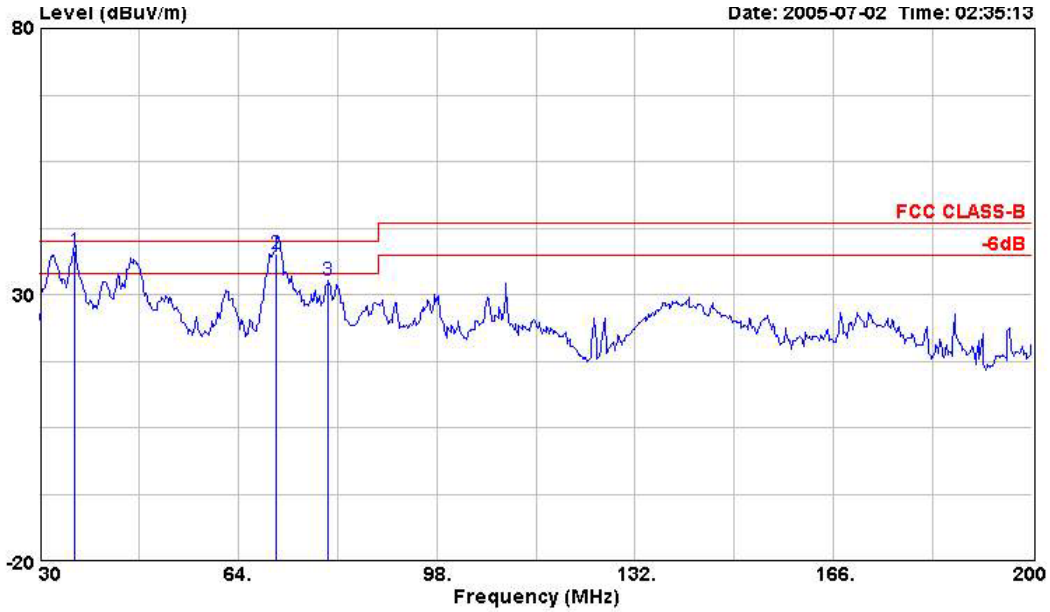


	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	109.900	36.58	-6.92	55.42	43.50	-18.84	1.03	30.29	Peak	---	---
2	141.180	32.25	-11.25	49.30	43.50	-17.05	1.18	30.75	Peak	---	---
3	172.460	34.12	-9.38	48.83	43.50	-14.71	1.28	29.92	Peak	---	---



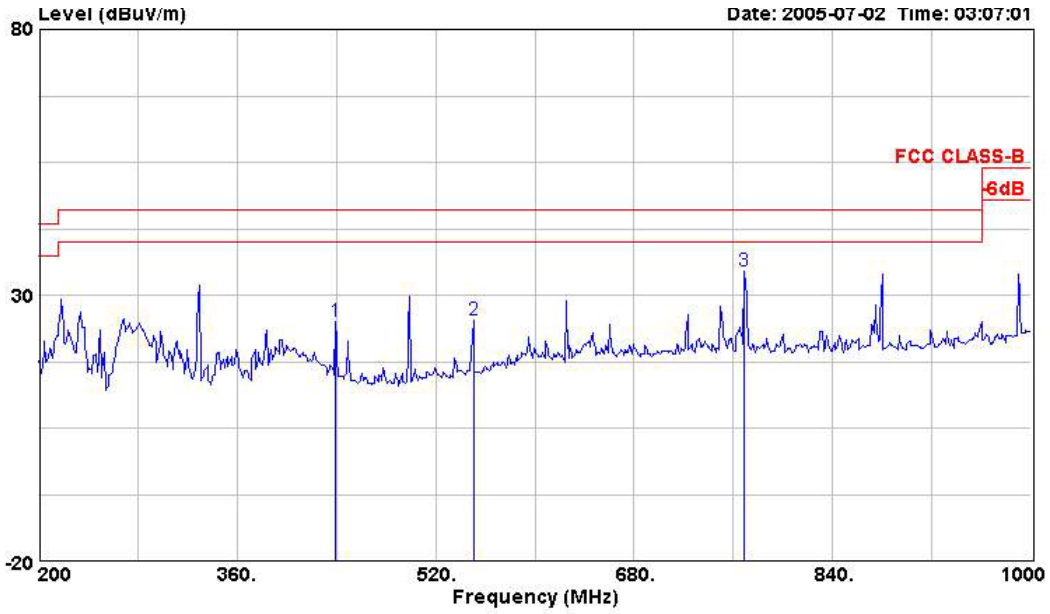
	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	439.200	24.96	-21.04	37.10	46.00	-12.14	2.11	30.74	Peak	---	---
2	550.400	25.33	-20.67	36.02	46.00	-10.69	2.24	31.17	Peak	---	---
3	768.800	34.59	-11.41	40.80	46.00	-6.21	2.79	30.53	Peak	---	---

Vertical



Site :03CH03-HY
Condition:FCC CLASS-B 3m BIC-9124--301 VERTICAL
EUT :Access Point (802.11a?b
Power :For system
Model :AP3750
Memo :TX CH06 2437MHz 11g

	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1 !	35.950	38.13	-1.87	56.02	40.00	-17.89	0.57	30.50	QP	118	60
2 !	70.630	37.68	-2.32	57.33	40.00	-19.65	0.83	30.27	QP	---	---
3	79.470	32.58	-7.42	52.13	40.00	-19.55	0.87	29.94	Peak	---	---

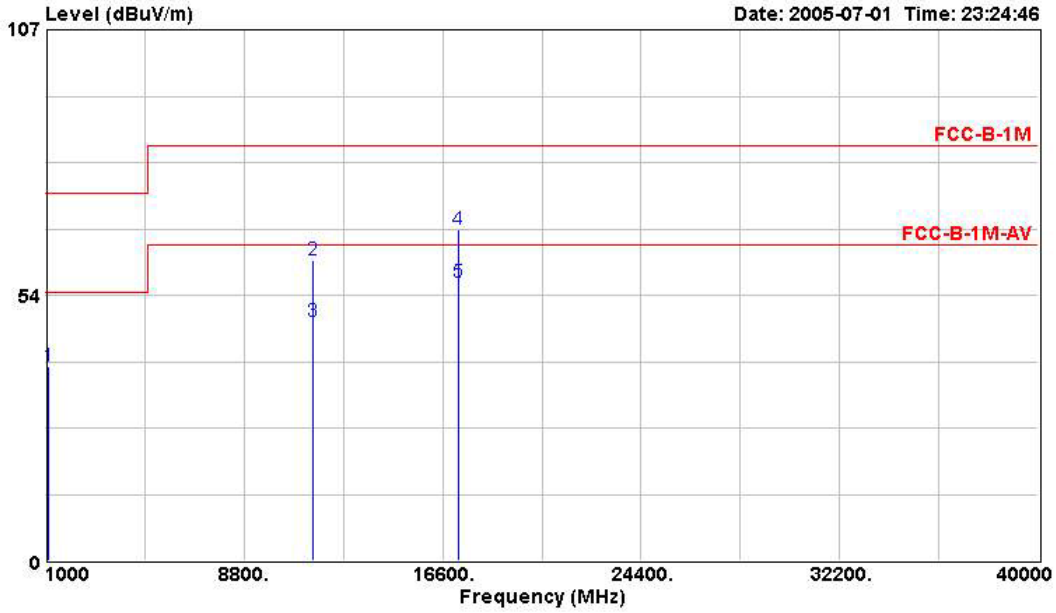


	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	439.200	24.96	-21.04	37.10	46.00	-12.14	2.11	30.74	Peak	---	---
2	550.400	25.33	-20.67	36.02	46.00	-10.69	2.24	31.17	Peak	---	---
3	768.800	34.59	-11.41	40.80	46.00	-6.21	2.79	30.53	Peak	---	---

B1.2 Test Results for CH 149 / 5745 MHz (for emission above 1GHz)

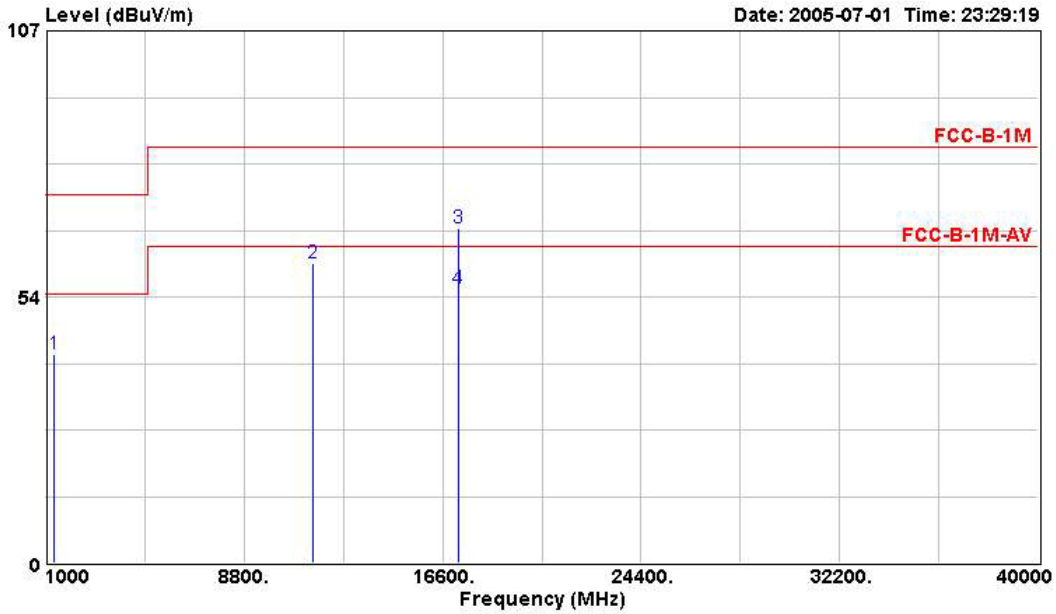
- **Normal Mode**
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu

(A) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1100.000	39.14	-34.86	47.26	74.00	1.28	24.51	33.90	PEAK	---	---
2	11480.000	60.54	-22.86	48.93	83.40	4.74	39.25	32.38	PEAK	---	---
3	11480.000	48.03	-15.37	36.41	63.40	4.74	39.25	32.38	Average	100	52
4	17236.000	66.74	-16.66	50.21	83.40	6.62	41.93	32.01	PEAK	---	---
5 @	17236.000	55.99	-7.55	39.45	63.54	6.62	41.93	32.01	Average	---	---

(B) Polarization: Vertical



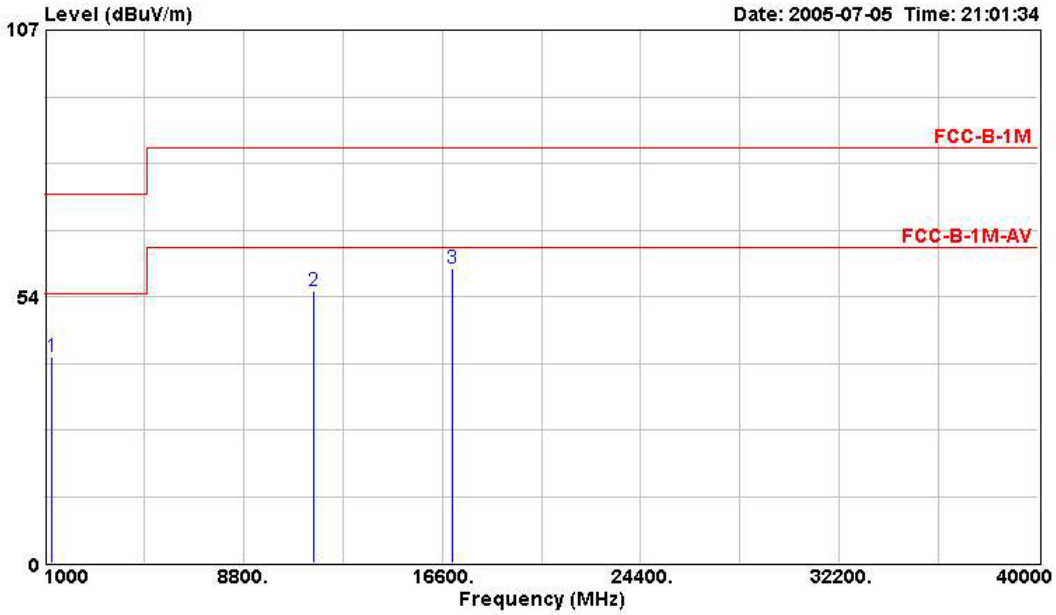
	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1320.000	42.03	-31.97	49.12	74.00	1.37	24.96	33.42	PEAK	---	---
2	11492.000	60.33	-23.07	48.70	83.40	4.73	39.28	32.38	PEAK	---	---
3	17240.000	67.20	-16.20	50.67	83.40	6.62	41.93	32.01	PEAK	---	---
4 @	17240.000	55.13	-8.41	38.59	63.54	6.62	41.93	32.01	Average	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B1.3 Test Results for CH 157 / 5785 MHz (for emission above 1GHz)

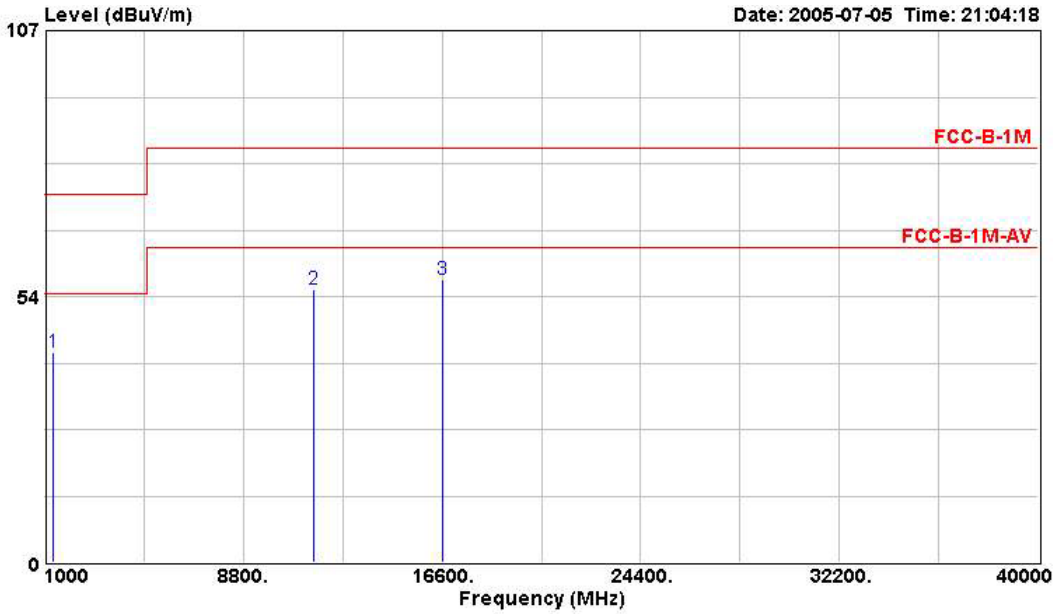
- **Normal Mode**
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu

(B) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1248.000	41.28	-32.72	48.71	74.00	-7.43	1.33	33.58	PEAK	---	---
2	11568.000	54.61	-28.79	42.98	83.40	11.63	4.72	32.39	PEAK	---	---
3	17020.000	59.21	-24.19	45.94	83.40	13.27	5.05	32.10	PEAK	---	---

(B) Polarization: Vertical



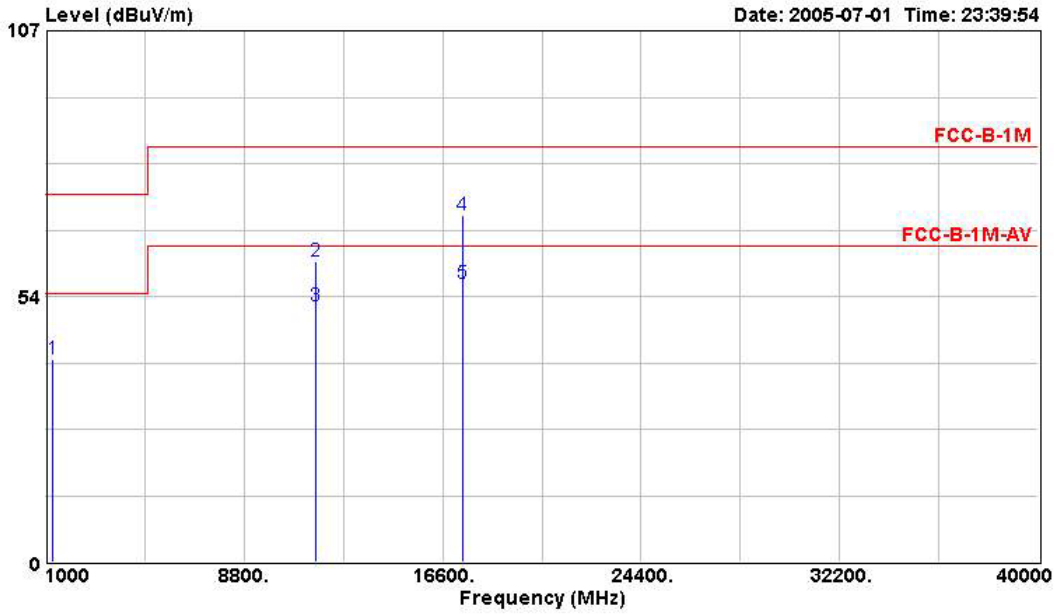
	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1320.000	42.13	-31.87	49.22	74.00	-7.09	1.37	33.42	PEAK	---	---
2	11568.000	55.04	-28.36	43.41	83.40	11.63	4.72	32.39	PEAK	---	---
3	16636.000	57.03	-26.37	45.72	83.40	11.31	5.09	32.32	PEAK	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B1.4 Test Results for CH 165 / 5825 MHz (for emission above 1GHz)

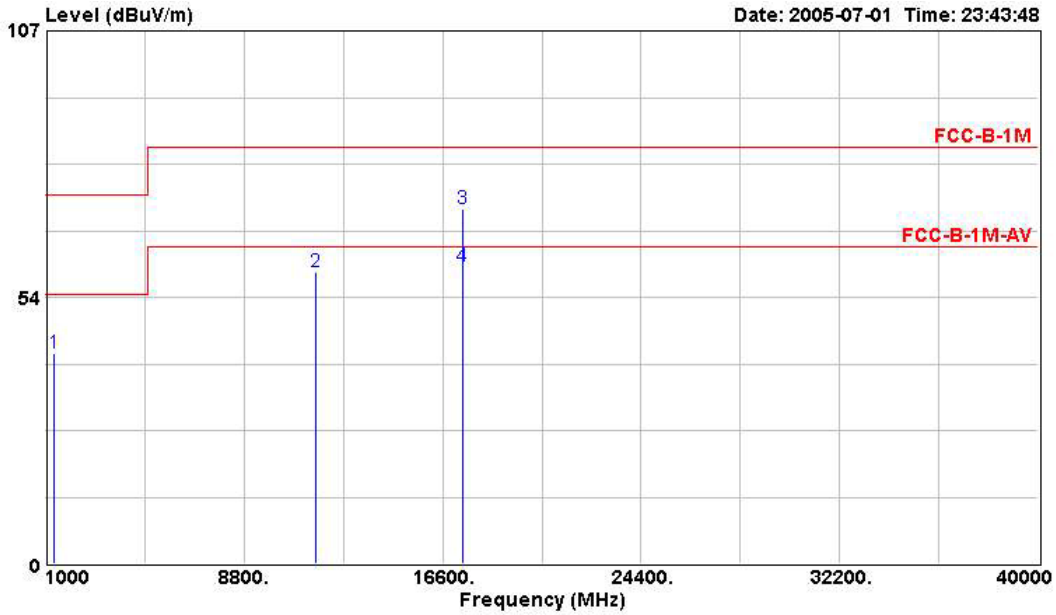
- **Normal Mode**
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu

(C) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1248.000	40.98	-33.02	48.41	74.00	1.33	24.82	33.58	PEAK	---	---
2	11612.000	60.56	-22.84	48.96	83.40	4.70	39.30	32.40	PEAK	---	---
3	11612.000	51.47	-11.93	39.87	63.40	4.70	39.30	32.40	Average	100	38
4	17412.000	69.84	-13.56	50.95	83.40	7.66	43.16	31.93	PEAK	---	---
5 @	17412.000	55.91	-7.63	37.02	63.54	7.66	43.16	31.93	Average	---	---

(B) Polarization: Vertical



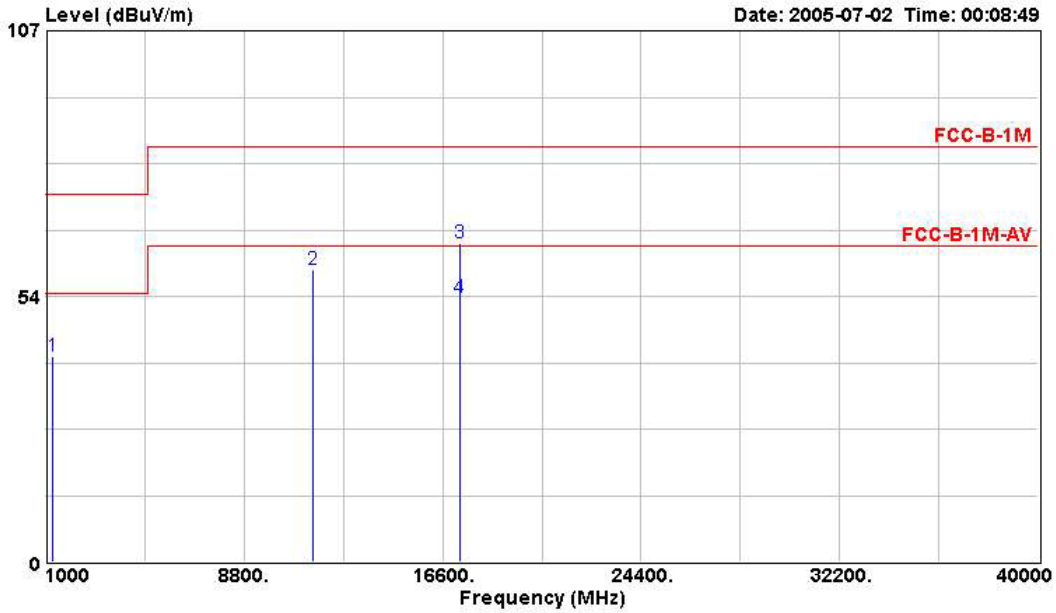
	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1320.000	42.11	-31.89	49.20	74.00	1.37	24.96	33.42	PEAK	---	---
2	11608.000	58.55	-24.85	46.95	83.40	4.70	39.30	32.40	PEAK	---	---
3	17408.000	71.33	-12.07	52.45	83.40	7.66	43.16	31.94	PEAK	---	---
4 @	17408.000	59.57	-3.97	40.69	63.54	7.66	43.16	31.94	Average	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B1.5 Test Results for CH 152 / 5760 MHz (for emission above 1GHz)

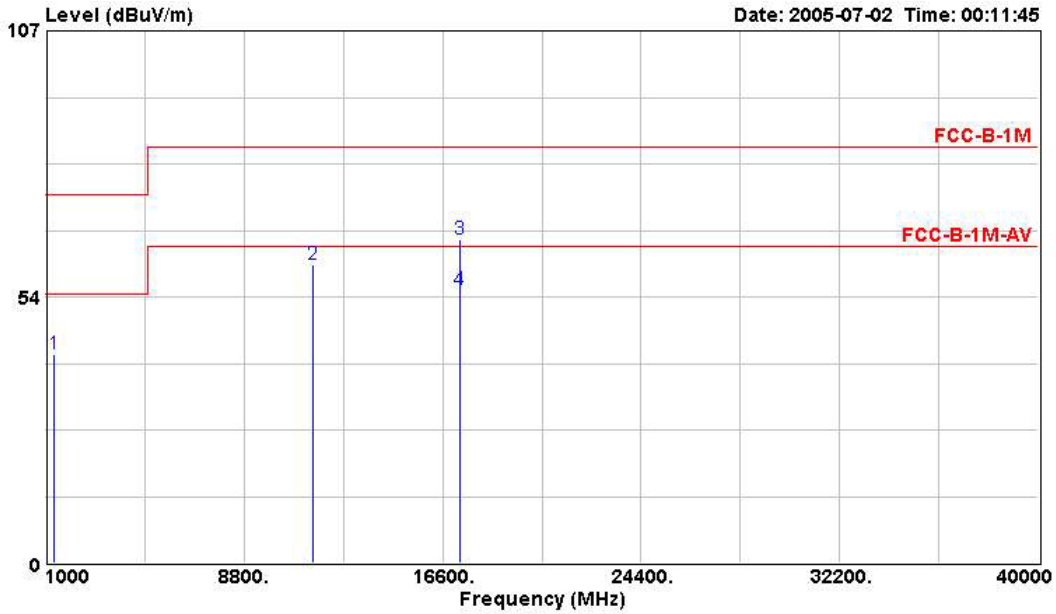
- **Turbo Mode**
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu

(D) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1248.000	41.30	-32.70	48.73	74.00	1.33	24.82	33.58	PEAK	---	---
2	11508.000	58.76	-24.64	47.11	83.40	4.73	39.30	32.38	PEAK	---	---
3	17276.000	64.25	-19.15	47.19	83.40	6.88	42.17	31.99	PEAK	---	---
4 @	17276.000	53.31	-10.23	36.25	63.54	6.88	42.17	31.99	Average	---	---

(B) Polarization: Vertical



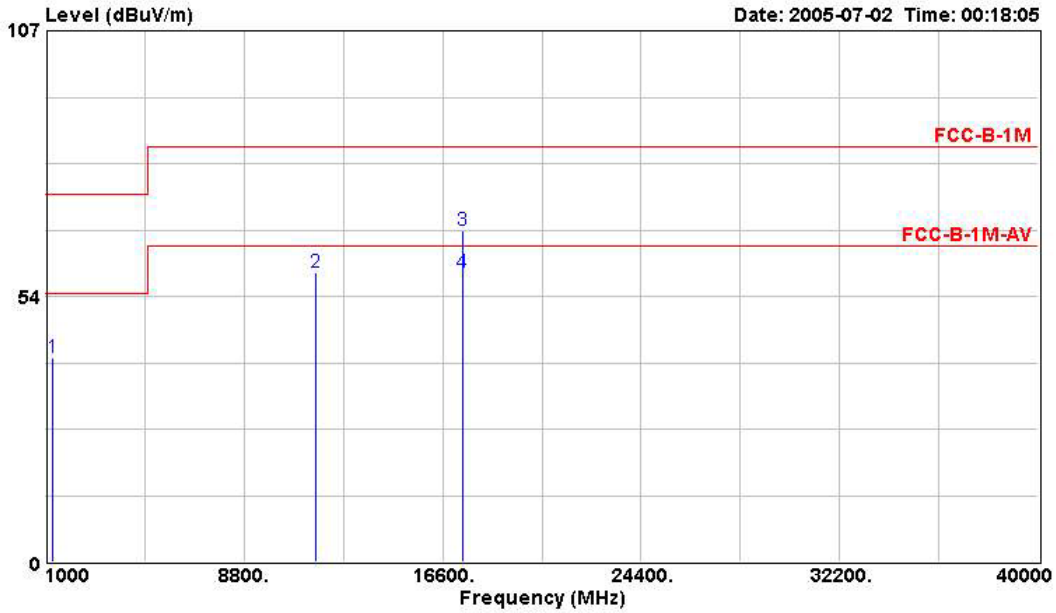
	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1320.000	42.10	-31.90	49.19	74.00	1.37	24.96	33.42	PEAK	---	---
2	11520.000	60.05	-23.35	48.40	83.40	4.73	39.30	32.39	PEAK	---	---
3	17280.000	64.93	-18.47	47.75	83.40	6.88	42.30	31.99	PEAK	---	---
4 @	17280.000	54.89	-8.65	37.71	63.54	6.88	42.30	31.99	Average	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B1.6 Test Results for CH 160 / 5800 MHz (for emission above 1GHz)

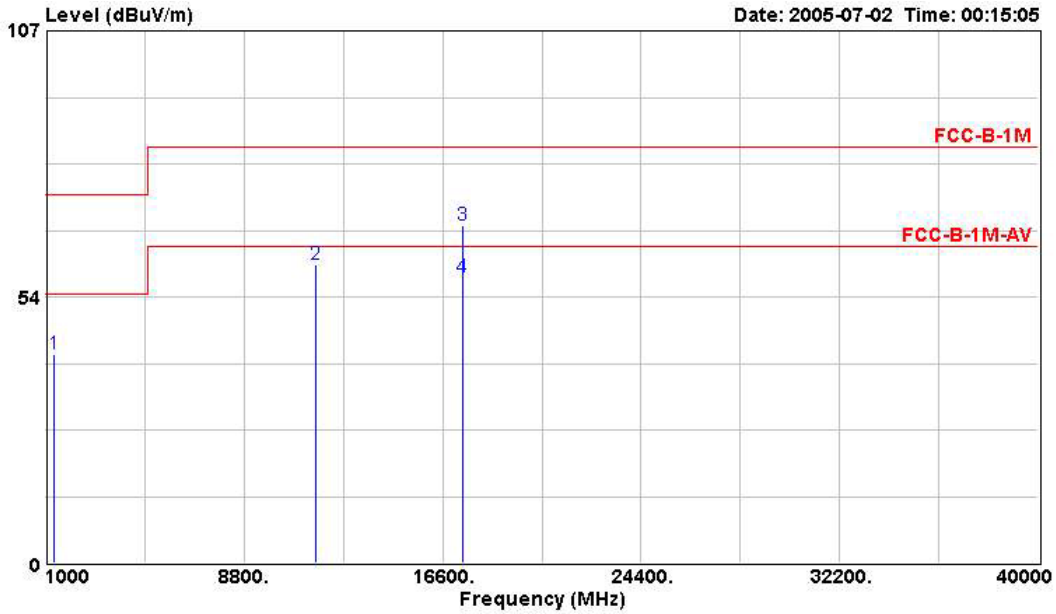
- **Turbo Mode**
- Temperature : 29°C
- Relative Humidity : 42%
- Test Engineer: Ted Chiu

(E) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1248.000	41.22	-32.78	48.65	74.00	1.33	24.82	33.58	PEAK	---	---
2	11596.000	58.33	-25.07	46.72	83.40	4.71	39.30	32.40	PEAK	---	---
3	17400.000	66.72	-16.68	47.84	83.40	7.66	43.16	31.94	PEAK	---	---
4 @	17400.000	58.22	-5.32	39.34	63.54	7.66	43.16	31.94	Average	---	---

(B) Polarization: Vertical



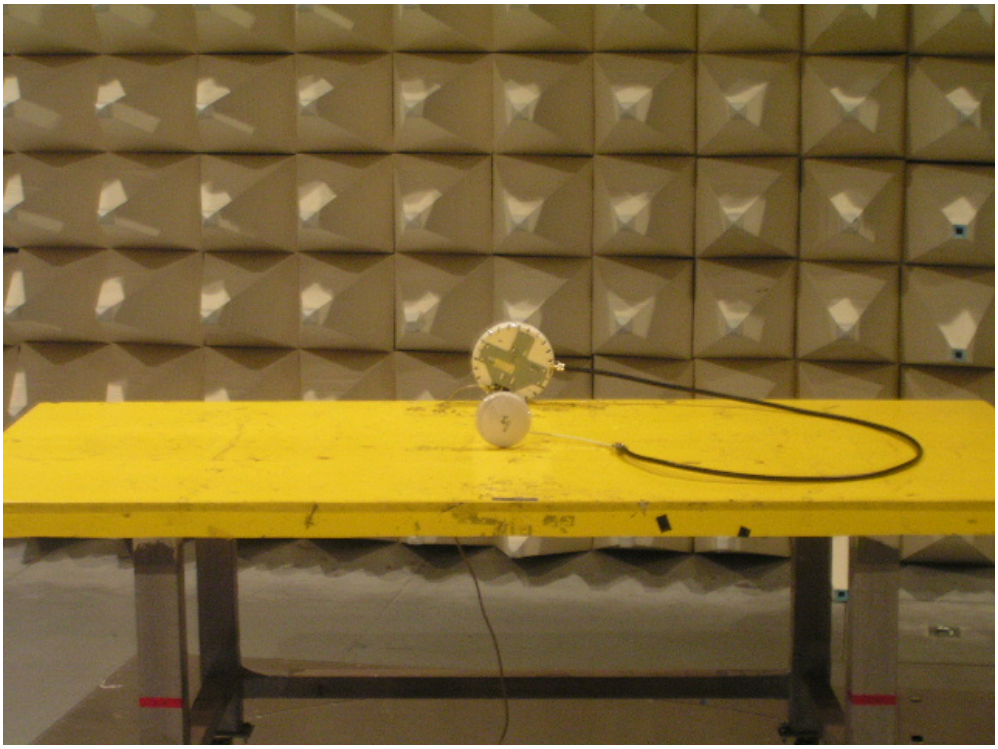
	Freq	Level	Over Limit	Read Level	Limit Line	Cable Loss	Antenna Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1320.000	42.05	-31.95	49.14	74.00	1.37	24.96	33.42	PEAK	---	---
2	11600.000	59.85	-23.55	48.24	83.40	4.71	39.30	32.40	PEAK	---	---
3	17412.000	67.90	-15.50	49.01	83.40	7.66	43.16	31.93	PEAK	---	---
4 @	17412.000	57.49	-6.05	38.60	63.54	7.66	43.16	31.93	Average	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B.2 Photographs of Radiated Emission Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW