



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 (5150 ~ 5350MHz) is shown in this test report.



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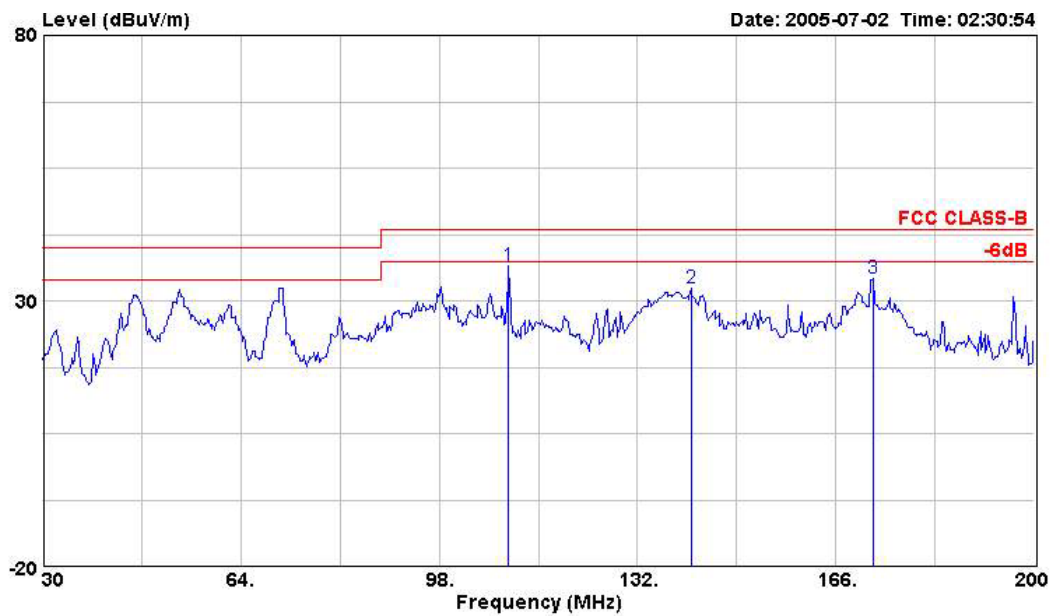


B.1 Test Result of Radiated Emission

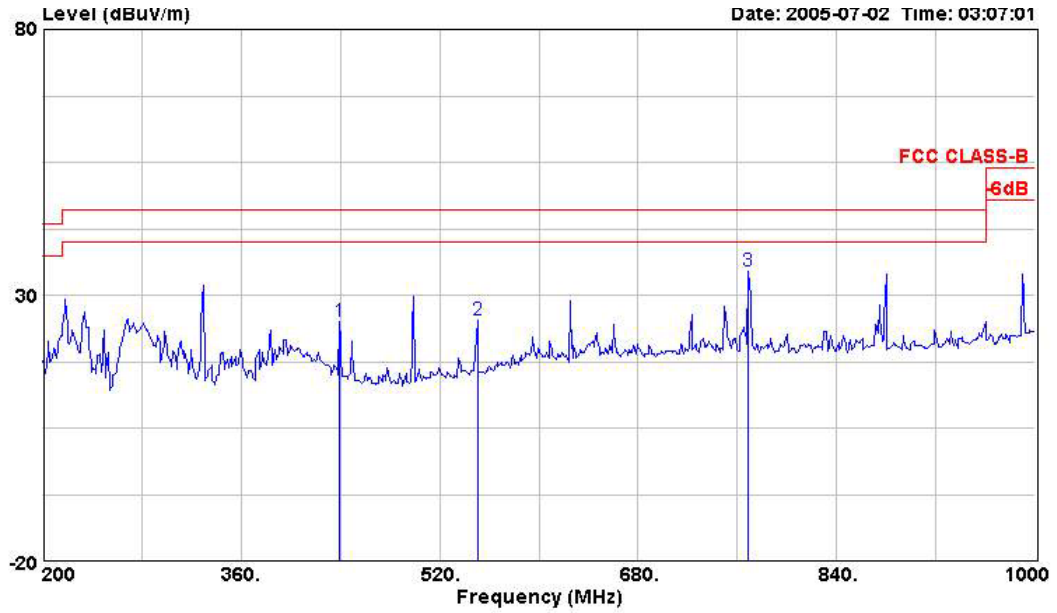
B1.1 Test Results for CH 36 / 5180 MHz (for emission below 1GHz)

- 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



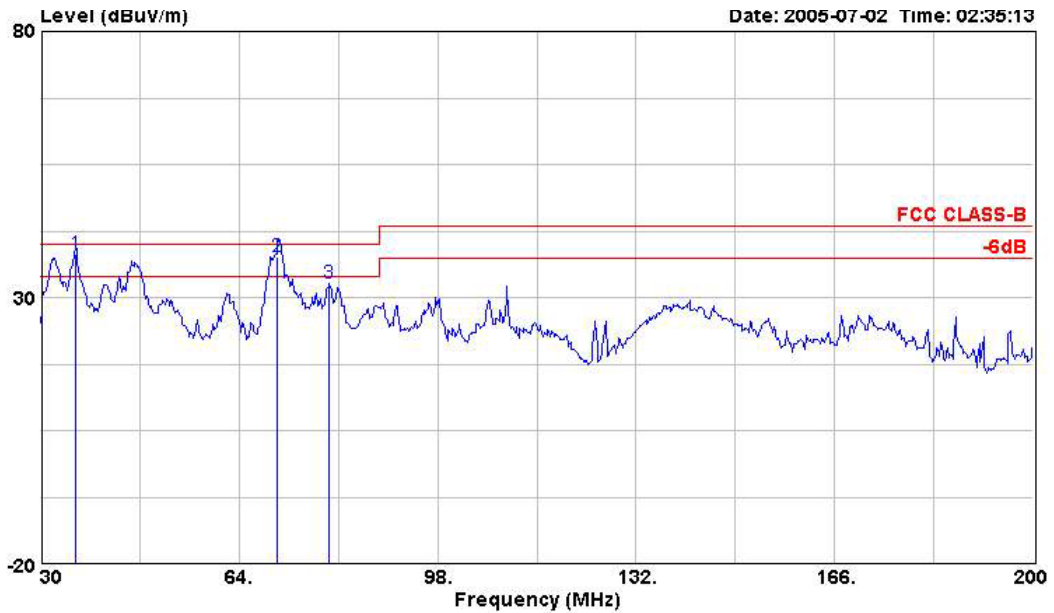
	Freq	Level	Over	Read	Limit	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Loss	Factor		Pos	Pos
			dB	dBuV	dBuV/m	dB	dB		cm	deg
1	109.900	36.58	-6.92	55.42	43.50	-18.84	1.03	30.29 Peak	---	---
2	141.180	32.25	-11.25	49.30	43.50	-17.05	1.18	30.75 Peak	---	---
3	172.460	34.12	-9.38	48.83	43.50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

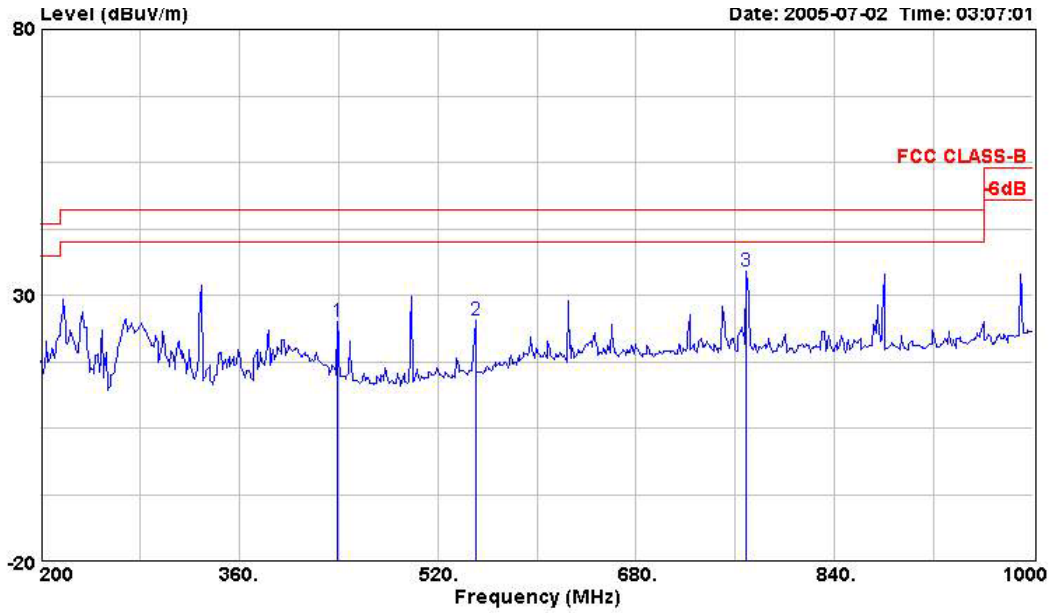


Vertical



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	Read	Limit	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Loss	Loss		Pos	Pos
			dB	dBuV	dBuV/m	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	---	---



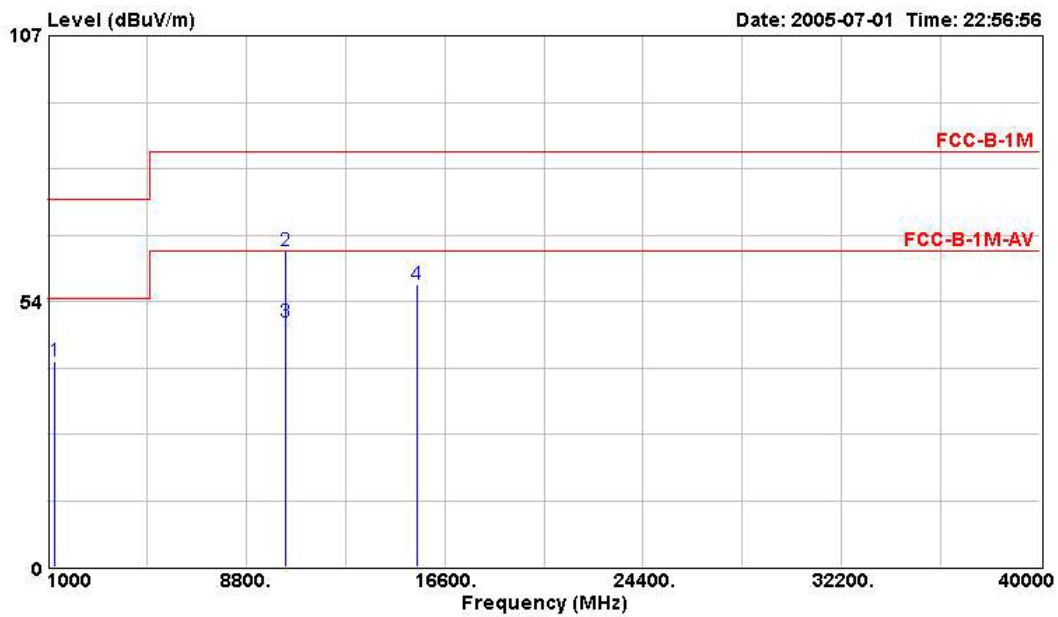
	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	439.200	24.96	-21.04	37.10	46.00	-12.14	2.11	30.74	Peak	---	---
2	550.400	25.33	-20.67	36.02	46.00	-10.69	2.24	31.17	Peak	---	---
3	768.800	34.59	-11.41	40.80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



B1.2 Test Results for CH 36 / 5180 MHz (for emission above 1GHz)

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

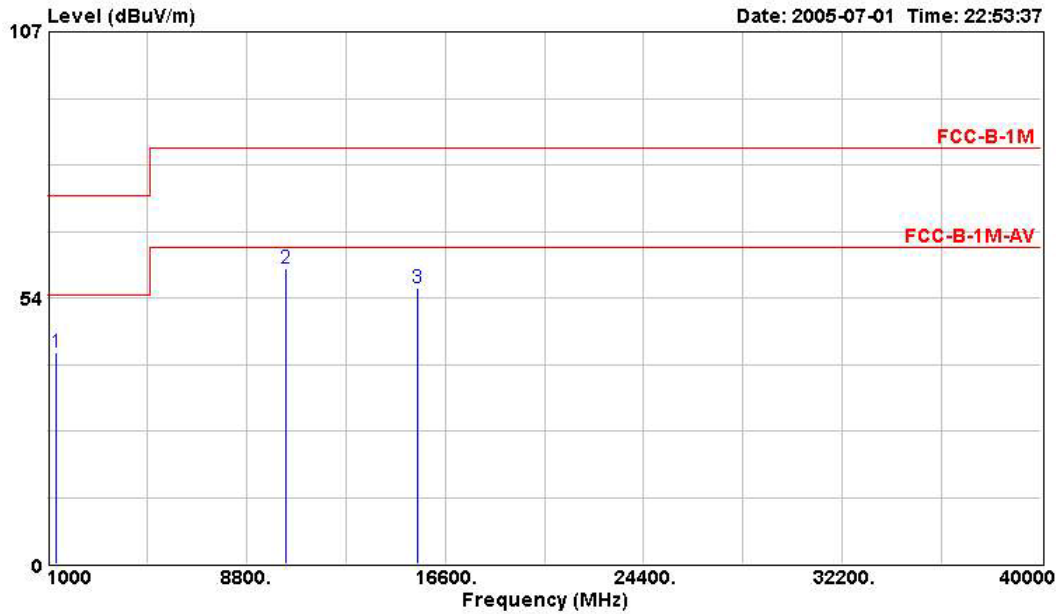
(A) Polarization: Horizontal



	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	1248.000	41.28	-32.72	48.71	74.00	1.33	24.82	33.58	PEAK	---	---
2	10364.000	63.71	-19.69	53.66	83.40	4.27	38.93	33.15	PEAK	100	46
3	10364.000	49.28	-14.26	39.23	63.54	4.27	38.93	33.15	Average	100	46
4	15532.000	56.78	-26.62	46.55	83.40	5.18	37.84	32.79	PEAK	---	---



(B) Polarization: Vertical



	Freq	Level	Over	Read	Limit	Cable	Antenna	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Loss	Factor	Factor		Pos	Pos
			dB	dBuV	dBuV/m	dB	dB/m	dB		cm	deg
1	1320.000	42.53	-31.47	49.62	74.00	1.37	24.96	33.42	PEAK	---	---
2	10360.000	59.29	-24.11	49.24	83.40	4.27	38.93	33.15	PEAK	---	---
3	15528.000	55.53	-27.87	45.30	83.40	5.18	37.84	32.79	PEAK	---	---

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

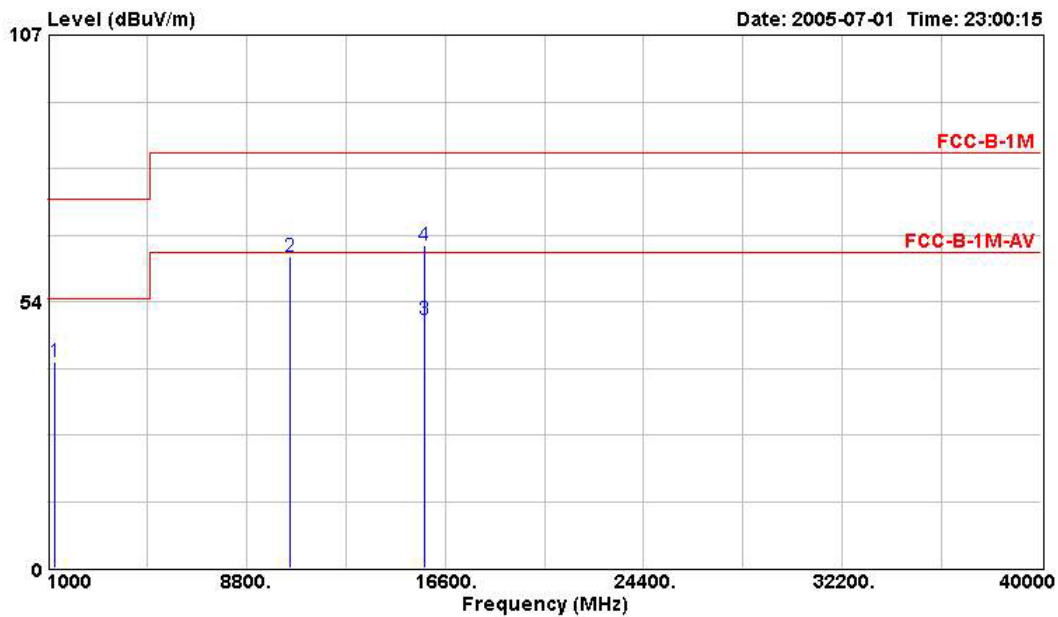
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



B1.3 Test Results for CH 52 / 5260 MHz (for emission above 1GHz)

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

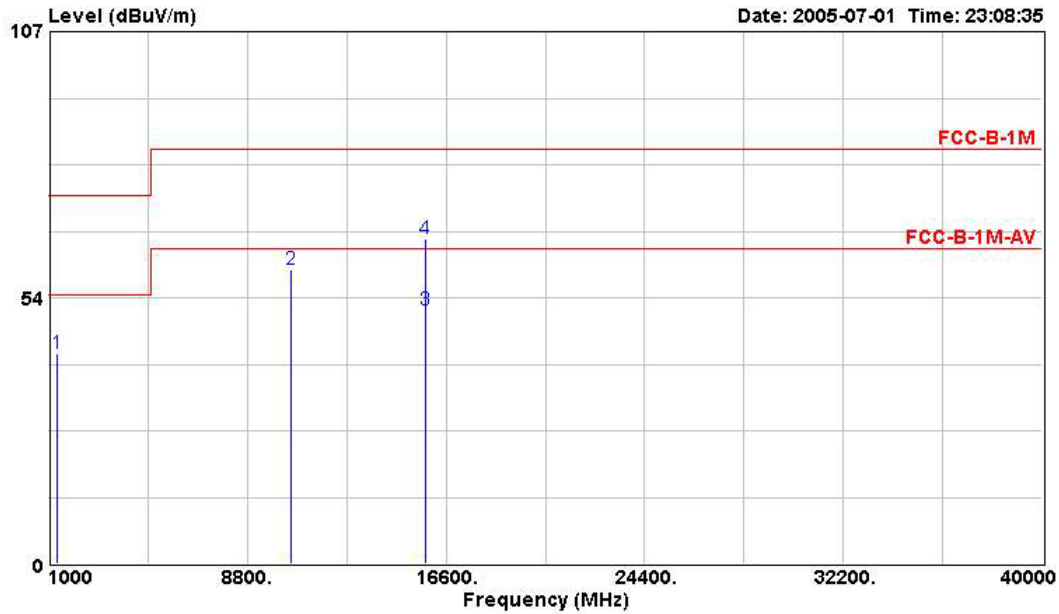
(B) Polarization: Horizontal



	Freq	Level	Over	Read	Limit		Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1248.000	41.32	-32.68	48.75	74.00	-7.43	1.33	33.58	PEAK	---	---
2	10508.000	62.47	-20.93	52.17	83.40	10.30	4.41	33.01	PEAK	---	---
3	15776.000	49.84	-13.56	40.13	63.40	9.71	5.17	32.86	Average	---	---
4	15776.000	64.85	-18.55	55.14	83.40	9.71	5.17	32.86	PEAK	---	---



(B) Polarization: Vertical



	Freq	Level	Over Limit	Read Level	Limit Line	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB		cm	deg
1	1320.000	42.15	-31.85	49.24	74.00	-7.09	1.37	33.42 PEAK	---	---
2	10508.000	59.20	-24.20	48.90	83.40	10.30	4.41	33.01 PEAK	---	---
3	15772.000	50.88	-12.52	41.17	63.40	9.71	5.17	32.86 Average	100	46
4	15772.000	65.34	-18.06	55.63	83.40	9.71	5.17	32.86 PEAK	---	---

Note:

Emission level (dBUV/m) = 20 log Emission level (uV/m)

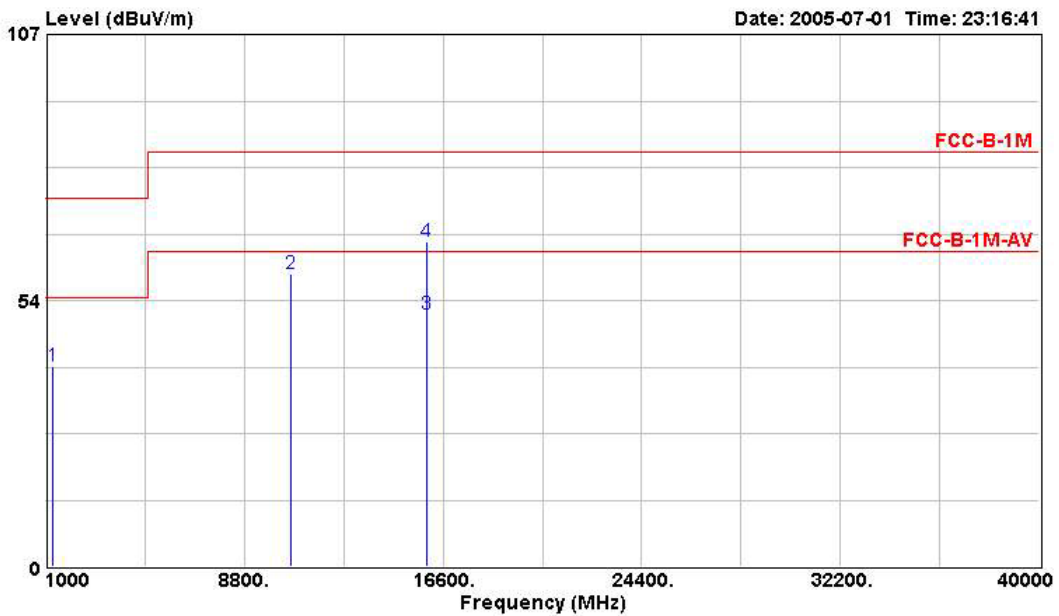
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



B1.4 Test Results for CH 64 / 5320 MHz (for emission above 1GHz)

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

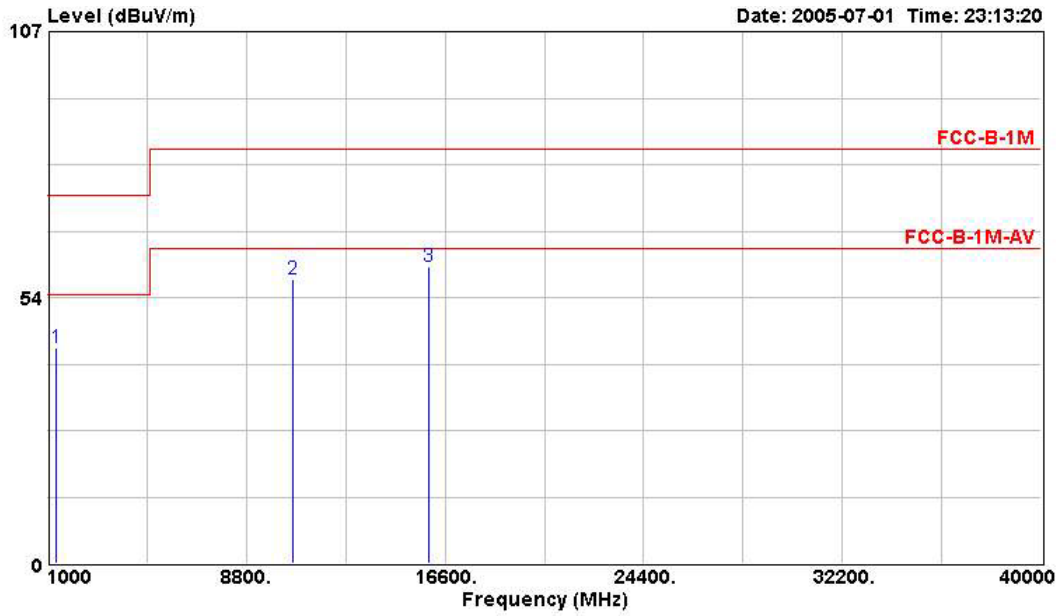
(C) Polarization: Horizontal



	Freq	Level	Over	Read	Limit	Cable	Preamp	Remark	Ant	Table	
	MHz	dBUV/m	Limit	Level	Line	Loss	Factor		Pos	Pos	
			dB	dBuV	dBuV/m	dB	dB		cm	deg	
1	1248.000	40.25	-33.75	47.68	74.00	-7.43	1.33	33.58	PEAK	---	---
2	10632.000	58.95	-24.45	48.44	83.40	10.51	4.51	32.82	PEAK	---	---
3	15960.000	50.67	-12.73	41.37	63.40	9.30	5.17	32.93	Average	100	44
4	15960.000	65.40	-18.00	56.10	83.40	9.30	5.17	32.93	PEAK	---	---



(B) Polarization: Vertical



	Freq	Level	Over	Read	Limit	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB		cm	deg
1	1320.000	43.24	-30.76	50.33	74.00	-7.09	1.37 33.42	PEAK	---	---
2	10632.000	57.15	-26.25	46.65	83.40	10.51	4.51 32.82	PEAK	---	---
3	15964.000	59.69	-23.71	50.39	83.40	9.30	5.17 32.93	PEAK	---	---

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

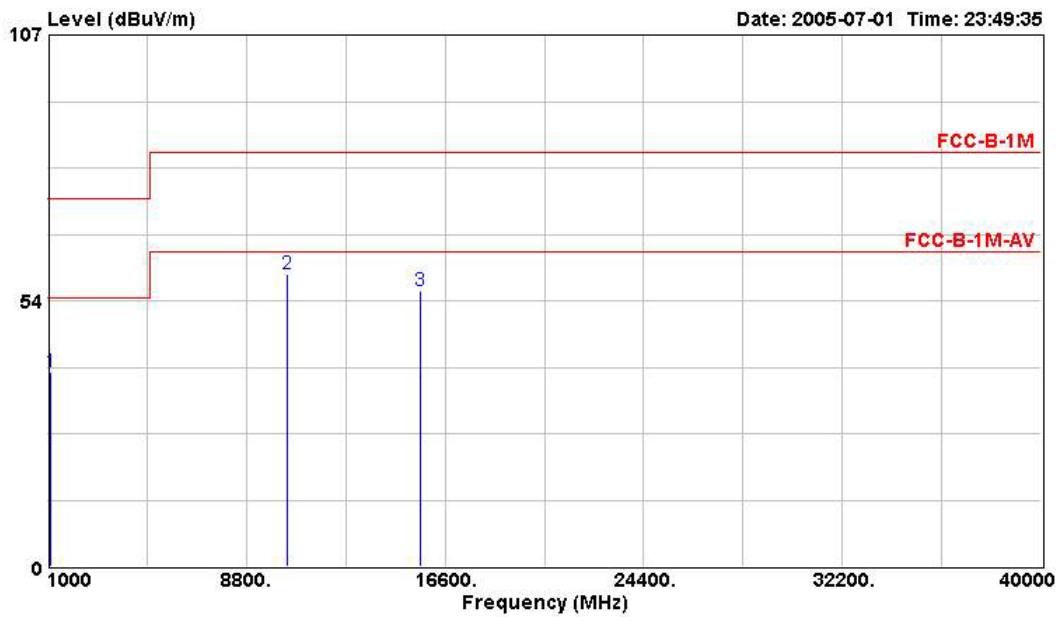
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



B1.5 Test Results for CH 42 / 5210 MHz (for emission above 1GHz)

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

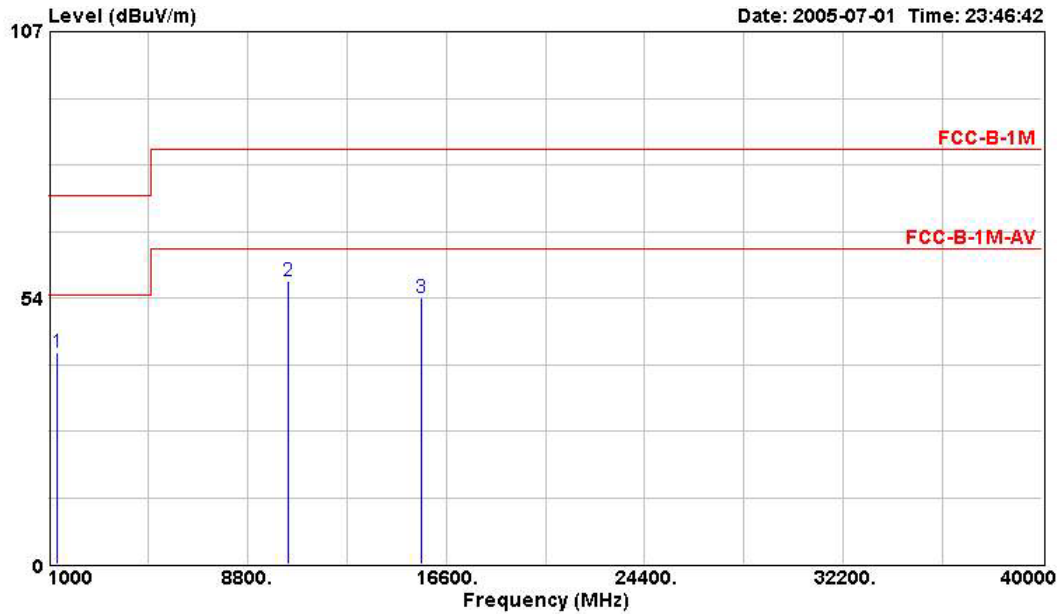
(D) Polarization: Horizontal



	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1100.000	39.17	-34.83	47.29	74.00	-8.12	1.28	33.90	PEAK	---	---
2	10420.000	58.75	-24.65	48.60	83.40	10.16	4.34	33.10	PEAK	---	---
3	15630.000	55.38	-28.02	45.37	83.40	10.01	5.18	32.82	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	42.47	-31.53	49.56	74.00	-7.09	1.37	33.42	PEAK	---	---
2	10420.000	56.85	-26.55	46.70	83.40	10.16	4.34	33.10	PEAK	---	---
3	15630.000	53.54	-29.86	43.53	83.40	10.01	5.18	32.82	PEAK	---	---

Note:

Emission level (dBUV/m) = 20 log Emission level (uV/m)

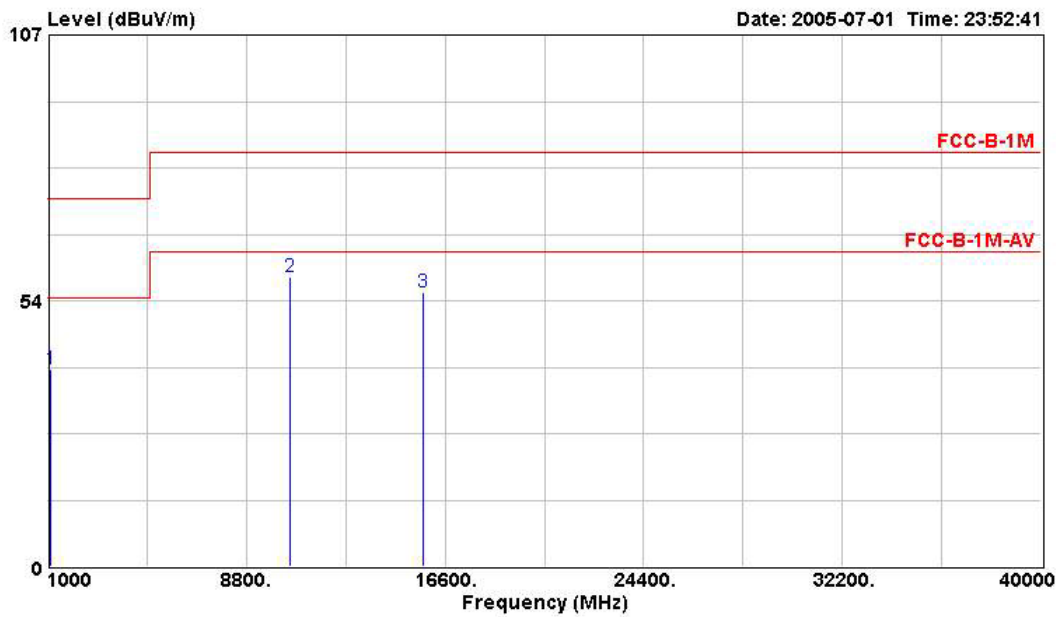
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



B1.6 Test Results for CH 50 / 5250 MHz (for emission above 1GHz)

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

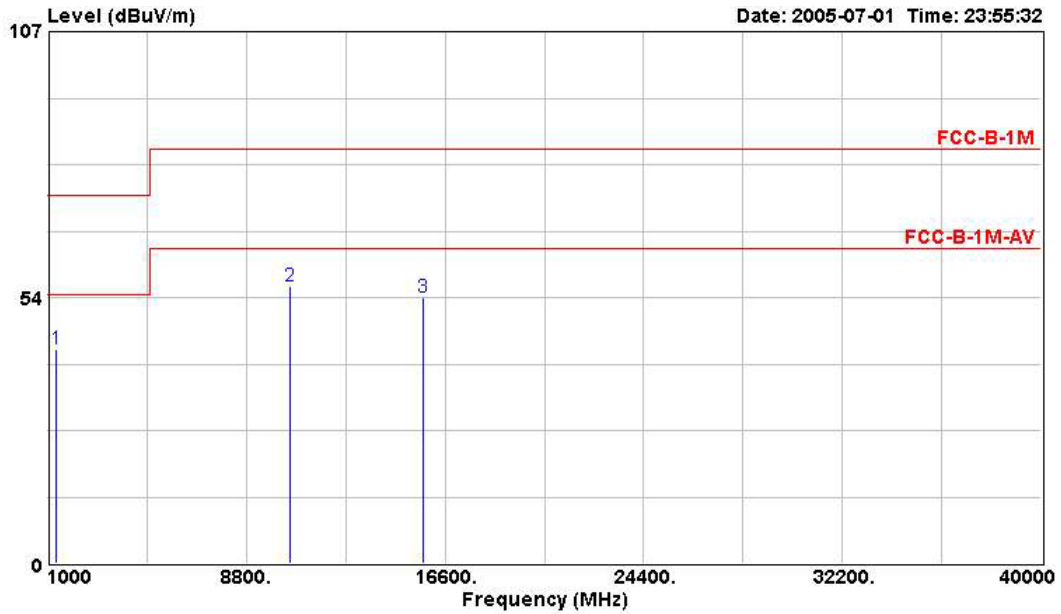
(E) Polarization: Horizontal



	Freq	Level	Over	Read	Limit	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Loss	Factor	Remark	Pos	Pos
			dB	dBuV	dBuV/m	dB	dB		cm	deg
1	1100.000	39.76	-34.24	47.88	74.00	-8.12	1.28	33.90 PEAK	---	---
2	10504.000	58.29	-25.11	47.99	83.40	10.30	4.41	33.01 PEAK	---	---
3	15750.000	55.32	-28.08	45.57	83.40	9.75	5.18	32.86 PEAK	---	---



(B) Polarization: Vertical



	Freq	Level	Over	Read	Limit		Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1320.000	42.99	-31.01	50.08	74.00	-7.09	1.37	33.42	PEAK	---	---
2	10504.000	55.74	-27.66	45.44	83.40	10.30	4.41	33.01	PEAK	---	---
3	15750.000	53.58	-29.82	43.83	83.40	9.75	5.18	32.86	PEAK	---	---

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

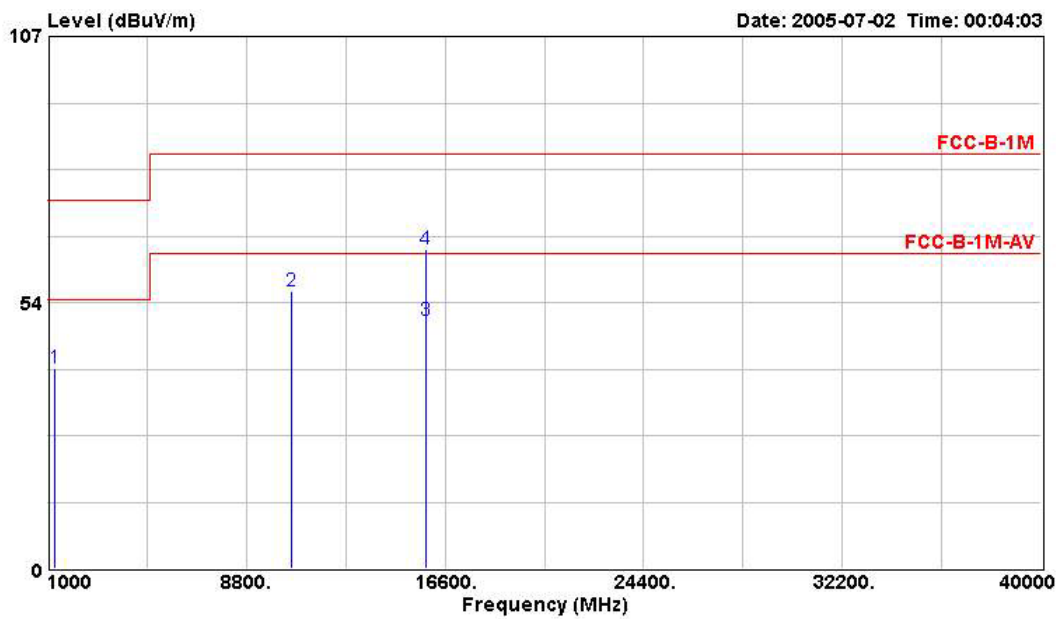
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



B1.7 Test Results for CH 58 / 5290 MHz (for emission above 1GHz)

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

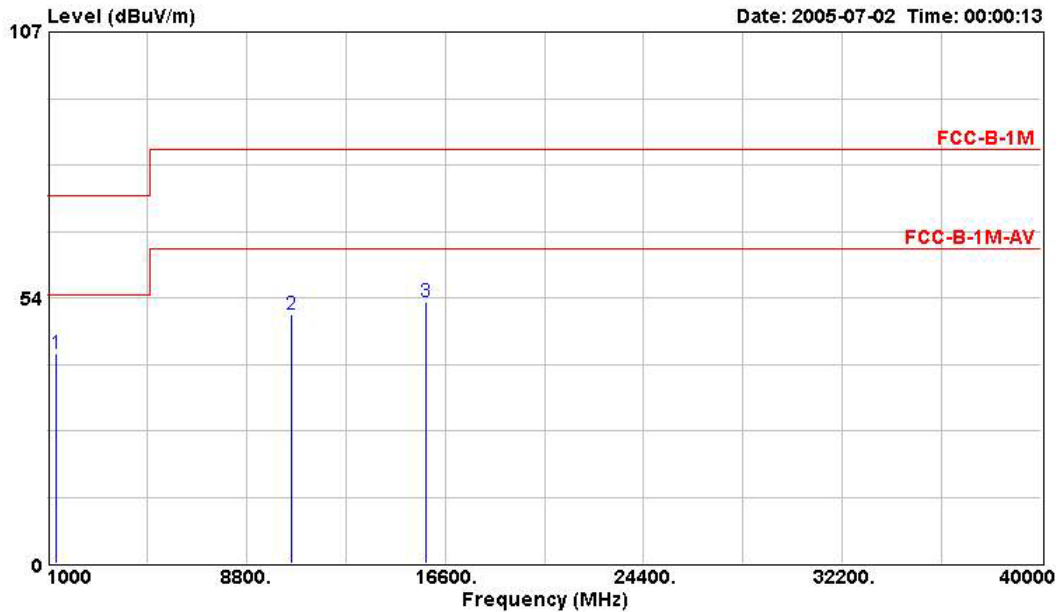
(F) Polarization: Horizontal



	Freq	Level	Over	Read	Limit	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Loss	Factor	Remark	Pos	Pos
			dB	dBuV	dBuV/m	dB	dB		cm	deg
1	1248.000	40.41	-33.59	47.83	74.00	-7.43	1.33	33.58 PEAK	---	---
2	10576.000	55.69	-27.71	45.25	83.40	10.44	4.47	32.89 PEAK	---	---
3	15872.000	49.88	-13.52	40.39	63.40	9.49	5.17	32.90 Average	---	---
4	15872.000	64.31	-19.09	54.82	83.40	9.49	5.17	32.90 PEAK	---	---



(B) Polarization: Vertical



	Freq	Level	Over	Read	Limit		Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Level	Line	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV	dBuV/m	dB	dB	dB		cm	deg
1	1320.000	42.11	-31.89	49.20	74.00	-7.09	1.37	33.42	PEAK	---	---
2	10580.000	50.19	-33.21	39.76	83.40	10.43	4.47	32.89	PEAK	---	---
3	15870.000	52.73	-30.67	43.24	83.40	9.49	5.17	32.90	PEAK	---	---

Note:

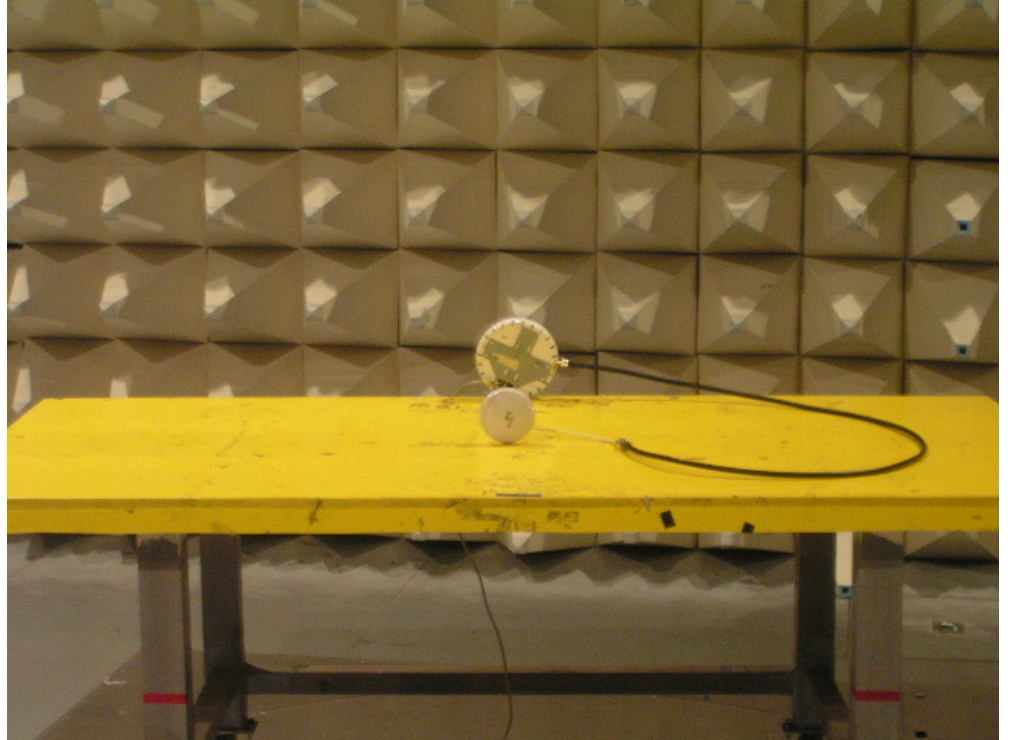
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

