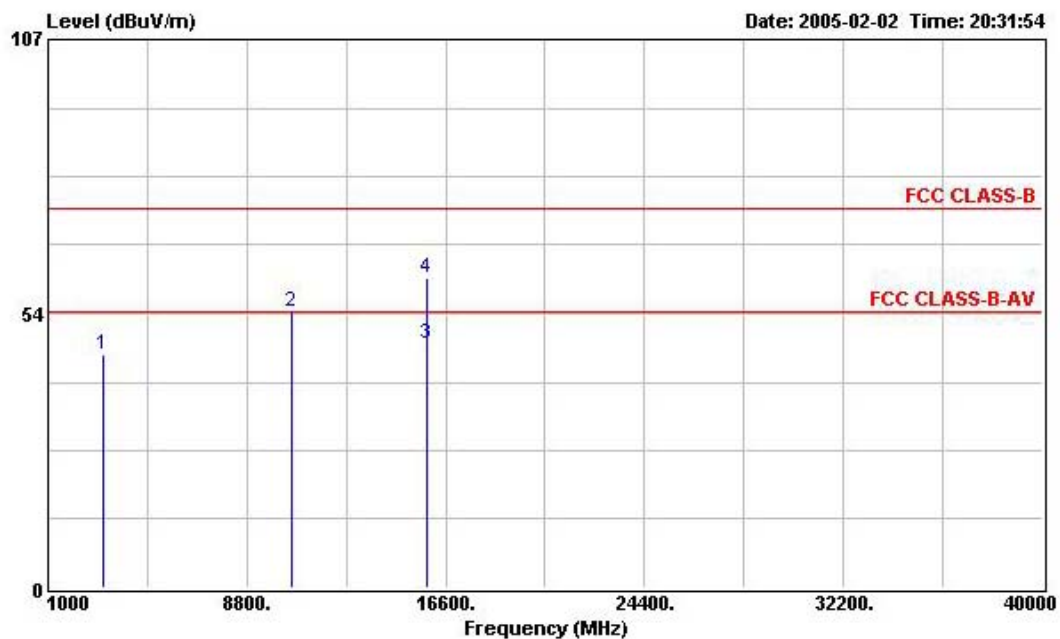


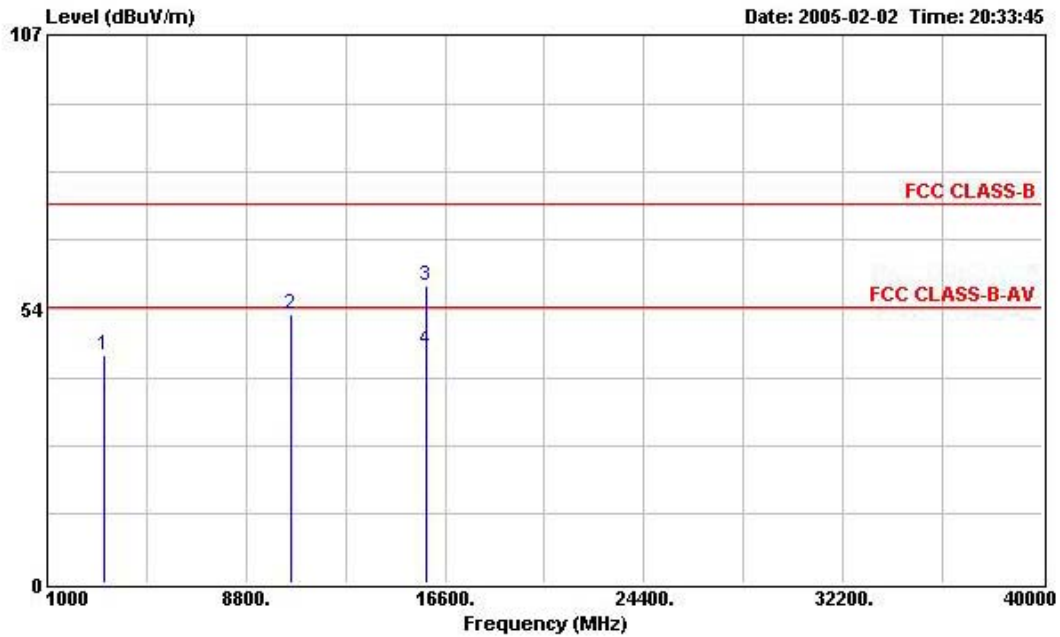
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3193.500	45.49	-28.51	74.00	51.99	30.48	2.26	39.24	Peak	---	---
2	10560.000	53.89	-20.11	74.00	49.18	38.88	4.44	38.61	Peak	---	---
3	15848.000	47.58	-6.42	54.00	42.88	37.25	5.17	37.72	Average	---	---
4	15848.000	60.29	-13.71	74.00	55.59	37.25	5.17	37.72	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3197.800	44.40	-29.60	74.00	50.90	30.48	2.26	39.24	Peak	---	---
2	10560.000	52.63	-21.37	74.00	47.92	38.88	4.44	38.61	Peak	---	---
3	15840.000	58.14	-15.86	74.00	53.44	37.25	5.17	37.72	Peak	---	---
4	15840.000	45.68	-8.32	54.00	40.98	37.25	5.17	37.72	Average	---	---

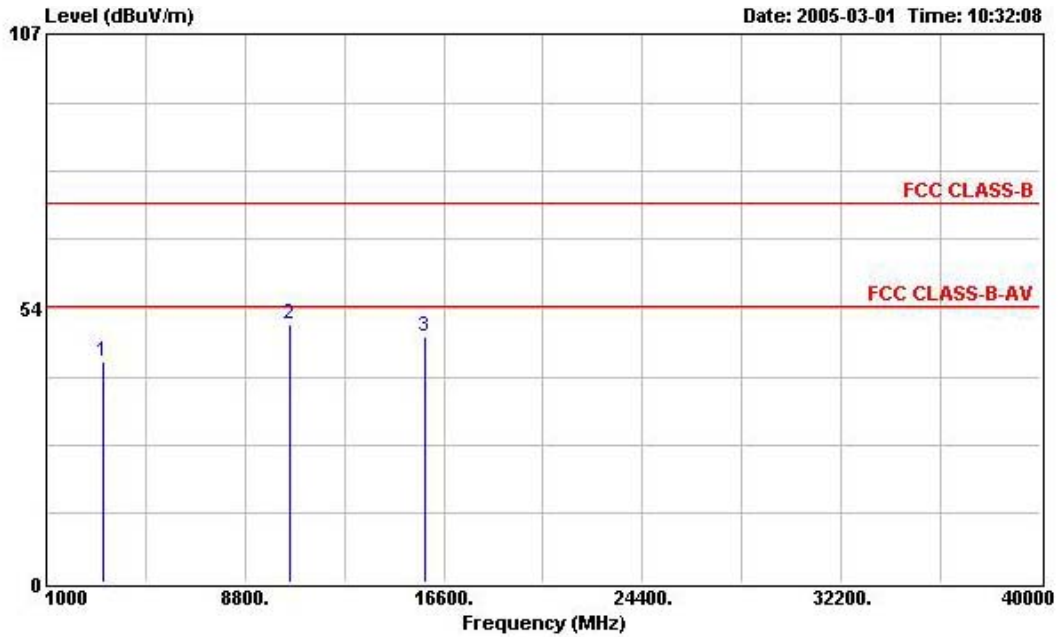
Note:

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

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

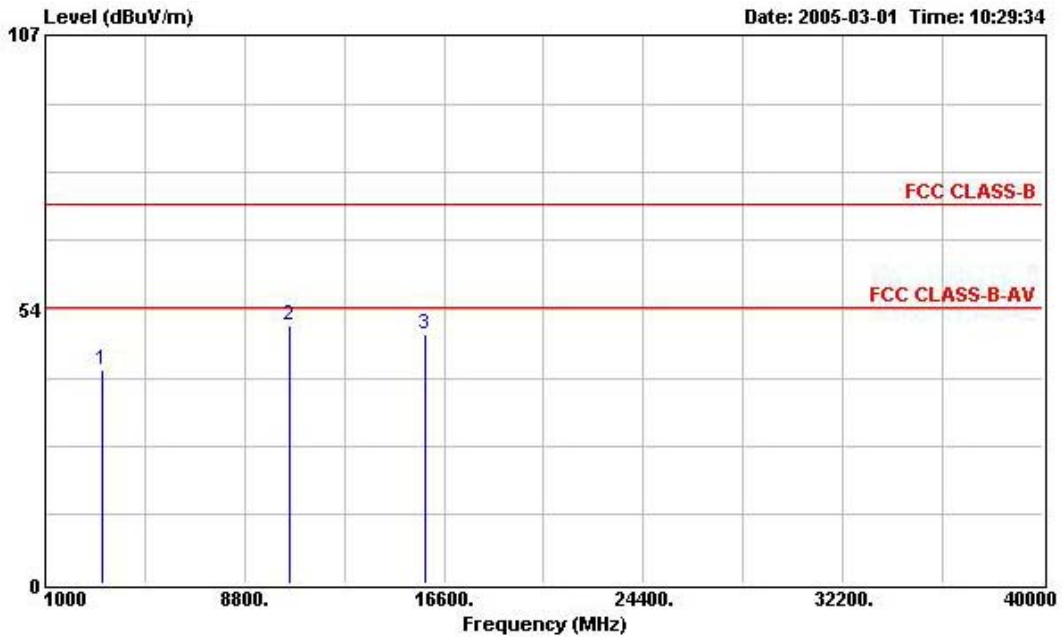
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3200.000	43.17	-30.83	74.00	49.67	30.48	2.26	39.24	Peak	---	---
2	10560.000	50.29	-23.71	74.00	45.58	38.88	4.44	38.61	Peak	---	---
3	15840.000	48.04	-25.96	74.00	43.34	37.25	5.17	37.72	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3204.000	41.72	-32.28	74.00	48.05	30.59	2.27	39.19	Peak	---	---
2	10560.000	50.49	-23.51	74.00	45.78	38.88	4.44	38.61	Peak	---	---
3	15840.000	48.53	-25.47	74.00	43.83	37.25	5.17	37.72	Peak	---	---

Note:

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

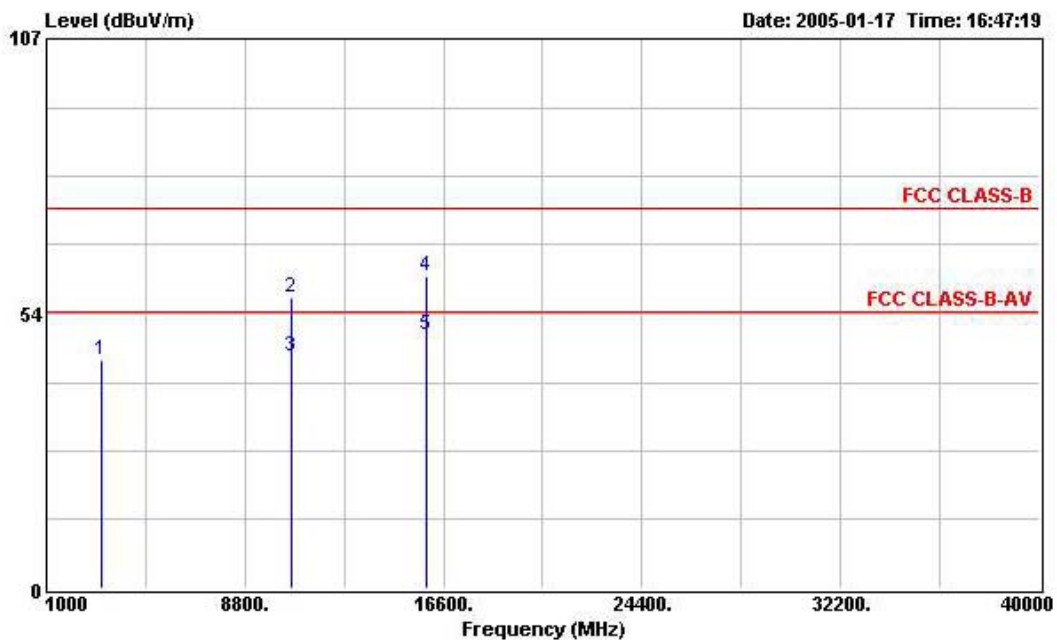
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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

- **Normal Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

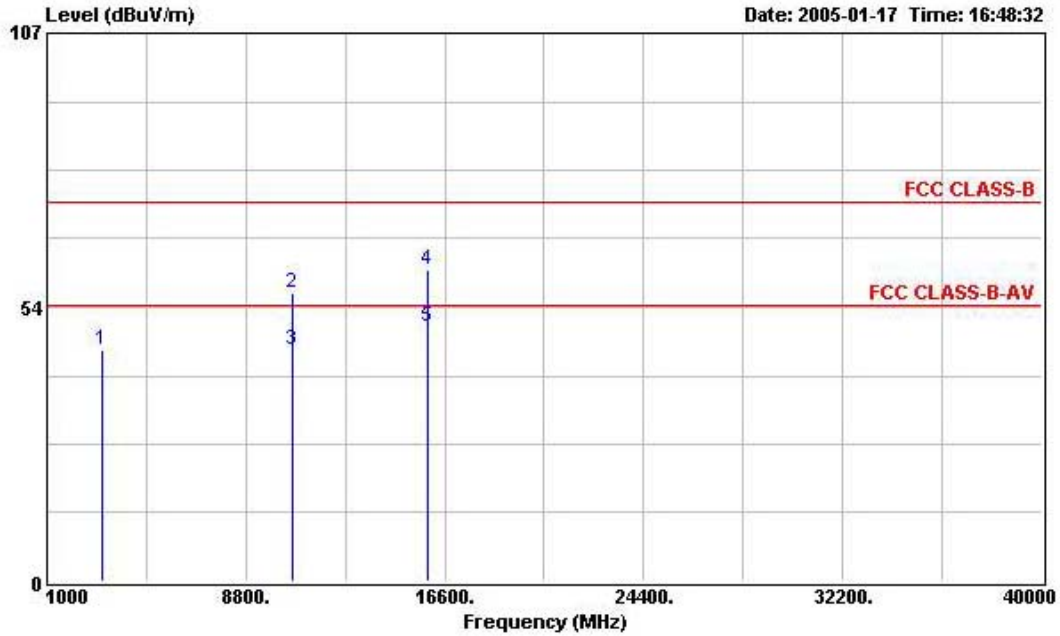
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	44.62	-29.38	74.00	51.12	30.48	2.26	39.24	Peak	---	---
2	10644.000	56.63	-17.37	74.00	51.89	38.84	4.51	38.61	Peak	---	---
3	10644.000	45.14	-8.86	54.00	40.40	38.84	4.51	38.61	Average	---	---
4	15960.000	60.64	-13.36	74.00	56.06	37.06	5.17	37.65	Peak	---	---
5	15960.000	49.24	-4.76	54.00	44.66	37.06	5.17	37.65	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.08	-28.92	74.00	51.58	30.48	2.26	39.24	Peak	---	---
2	10640.000	56.43	-17.57	74.00	51.69	38.84	4.51	38.61	Peak	---	---
3	10640.000	45.17	-8.83	54.00	40.43	38.84	4.51	38.61	Average	---	---
4	15964.000	60.92	-13.08	74.00	56.34	37.06	5.17	37.65	Peak	---	---
5	15964.000	49.70	-4.30	54.00	45.12	37.06	5.17	37.65	Average	---	---

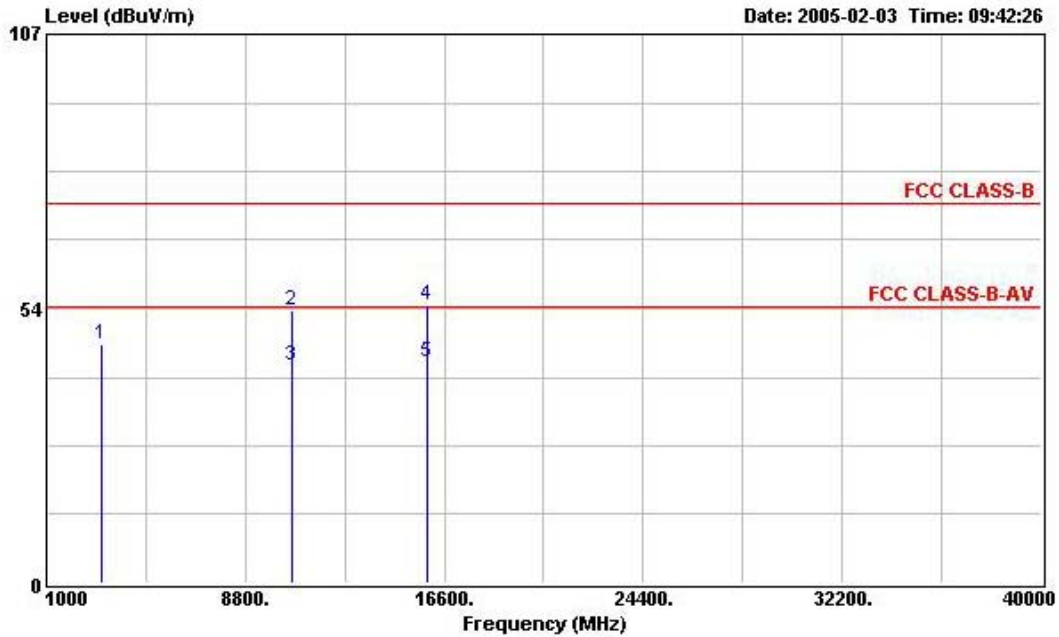
Note:

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

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

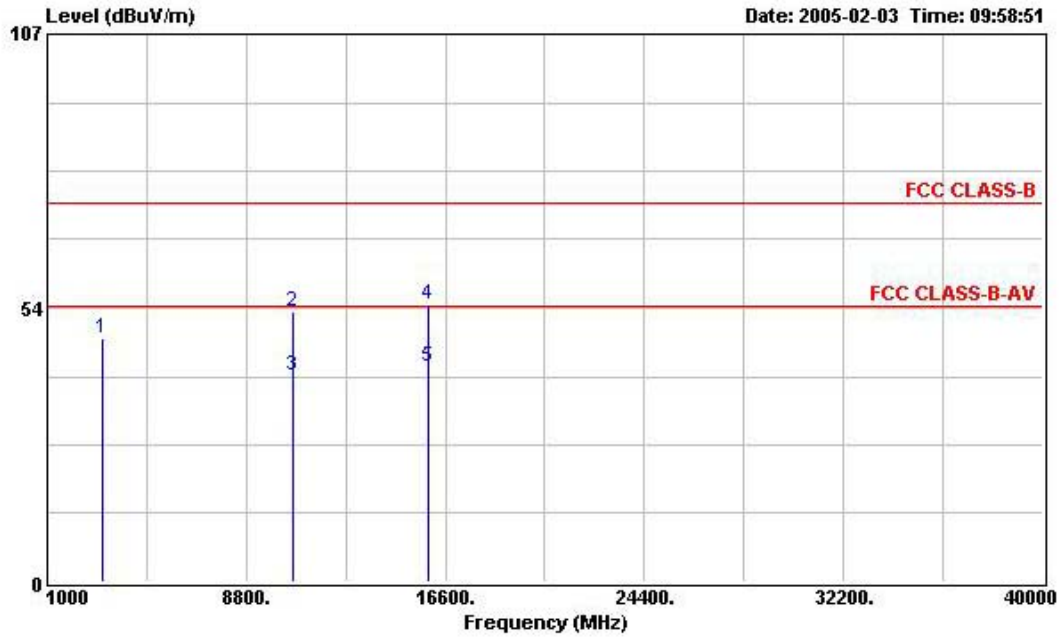
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	46.54	-27.46	74.00	53.04	30.48	2.26	39.24	Peak	---	---
2	10636.000	53.14	-20.86	74.00	48.40	38.84	4.51	38.61	Peak	---	---
3	10636.000	42.49	-11.51	54.00	37.75	38.84	4.51	38.61	Average	---	---
4	15956.000	54.29	-19.71	74.00	49.64	37.14	5.17	37.66	Peak	---	---
5	15956.000	43.21	-10.79	54.00	38.56	37.14	5.17	37.66	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	47.53	-26.47	74.00	54.03	30.48	2.26	39.24		---	---
2	10644.000	52.85	-21.15	74.00	48.11	38.84	4.51	38.61		---	---
3	10644.000	40.44	-13.56	54.00	35.70	38.84	4.51	38.61	Average	---	---
4	15960.000	54.10	-19.90	74.00	49.52	37.06	5.17	37.65	Peak	---	---
5	15960.000	42.13	-11.87	54.00	37.55	37.06	5.17	37.65	Average	---	---

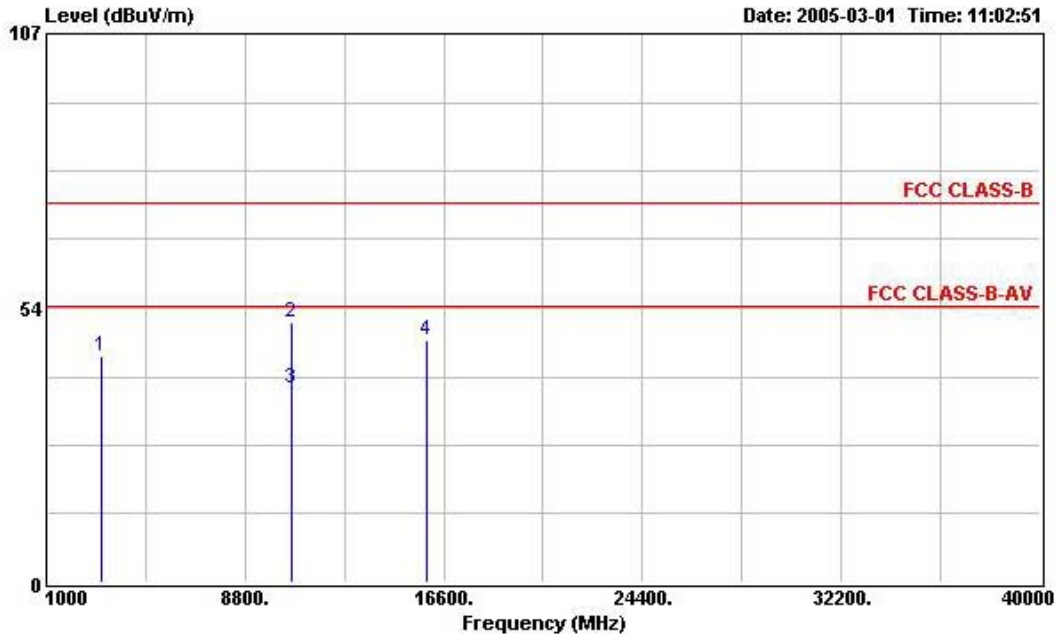
Note:

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

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

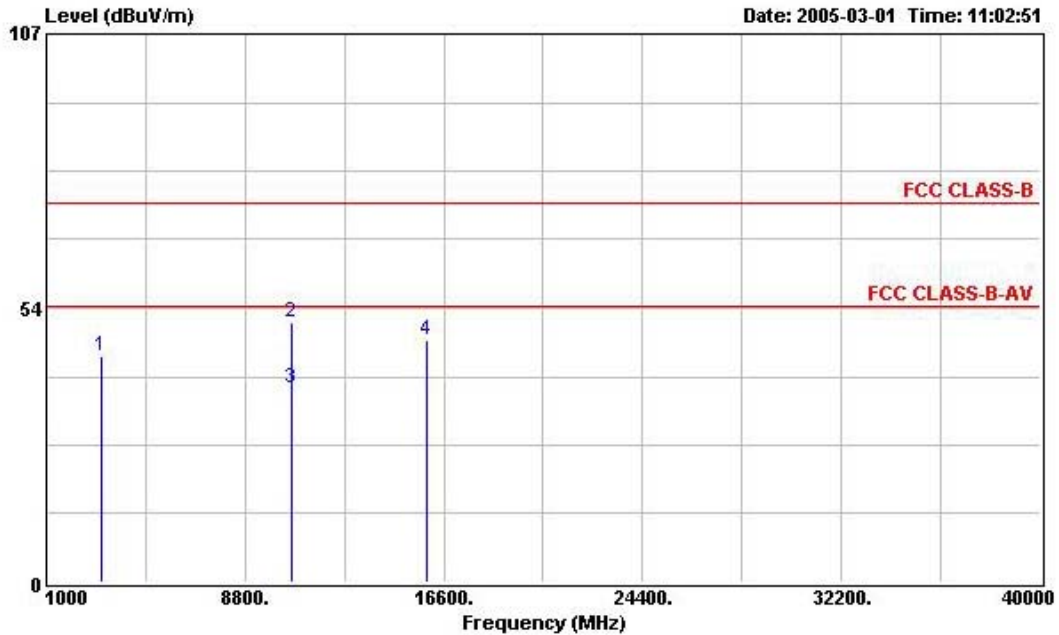
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.12	-29.88	74.00	50.62	30.48	2.26	39.24	Peak	---	---
2	10640.000	50.62	-23.38	74.00	45.88	38.84	4.51	38.61	Peak	---	---
3	10640.000	37.78	-16.22	54.00	33.04	38.84	4.51	38.61	Average	---	---
4	15960.000	47.25	-26.75	74.00	42.67	37.06	5.17	37.65	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.12	-29.88	74.00	50.62	30.48	2.26	39.24	Peak	---	---
2	10640.000	50.62	-23.38	74.00	45.88	38.84	4.51	38.61	Peak	---	---
3	10640.000	37.78	-16.22	54.00	33.04	38.84	4.51	38.61	Average	---	---
4	15960.000	47.25	-26.75	74.00	42.67	37.06	5.17	37.65	Peak	---	---

Note:

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

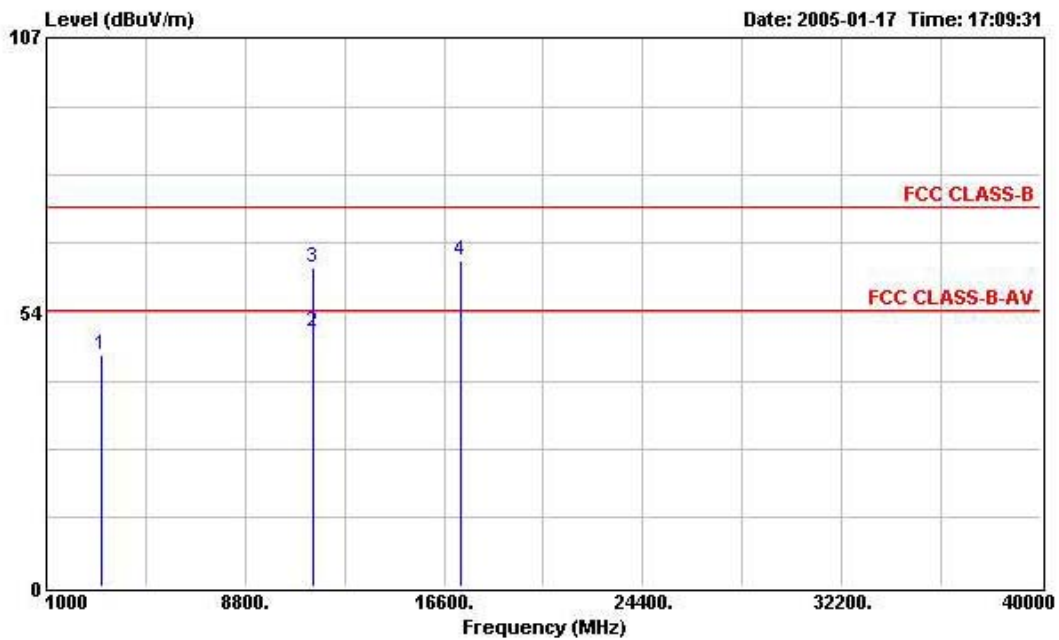
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.8.11. Test Results for CH 100 / 5745 MHz (for emission above 1GHz)

- **Normal Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

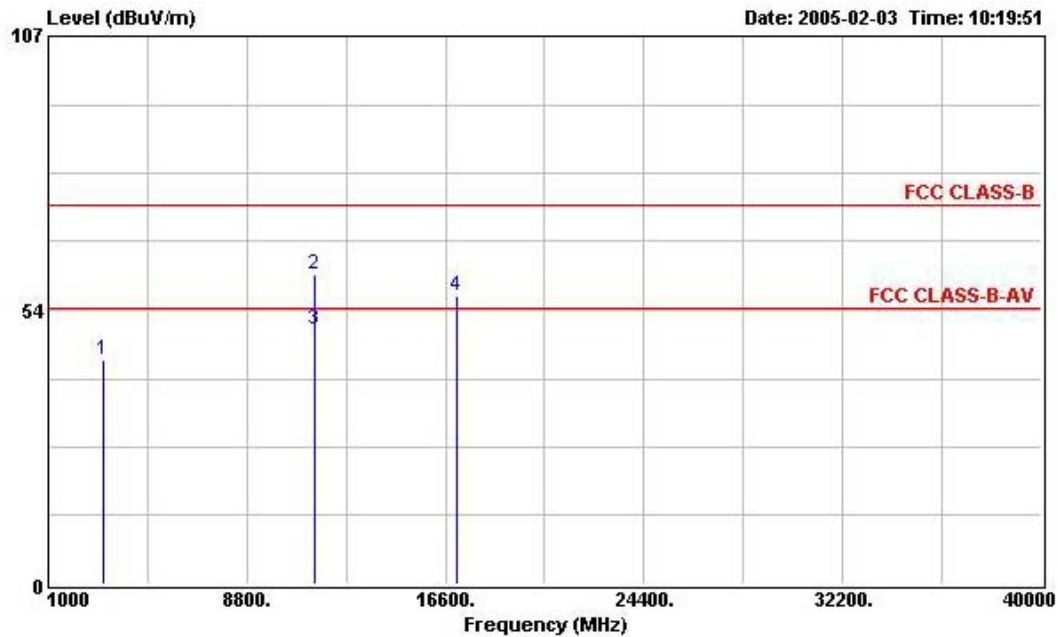
(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	45.14	-28.86	74.00	51.64	30.48	2.26	39.24	Peak	---	---
2	11492.000	49.82	-4.18	54.00	44.57	39.08	4.74	38.57	Average	---	---
3	11492.000	62.20	-11.80	74.00	56.95	39.08	4.74	38.57	Peak	---	---
4	17238.000	63.45	-10.55	74.00	51.86	41.90	6.36	36.67	Peak	---	---

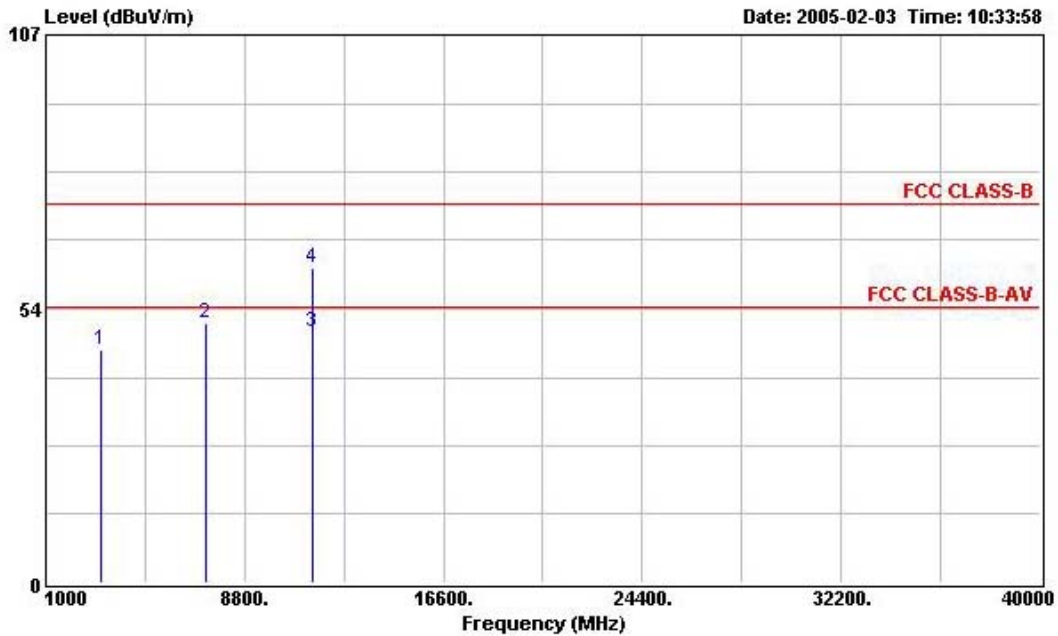
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	43.94	-30.06	74.00	50.44	30.48	2.26	39.24	Peak	---	---
2	11492.000	60.46	-13.54	74.00	55.21	39.08	4.74	38.57	Peak	---	---
3	11492.000	49.56	-4.44	54.00	44.31	39.08	4.74	38.57	Average	---	---
4	17048.000	56.18	-17.82	74.00	47.40	40.55	5.05	36.82	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.700	45.63	-28.37	74.00	52.13	30.48	2.26	39.24	Peak	---	---
2	7264.000	50.73	-23.27	74.00	50.63	35.93	3.64	39.47	Peak	---	---
3	11488.000	48.83	-5.17	54.00	43.58	39.08	4.74	38.57	Average	---	---
4	11488.000	61.50	-12.50	74.00	56.25	39.08	4.74	38.57	Peak	---	---

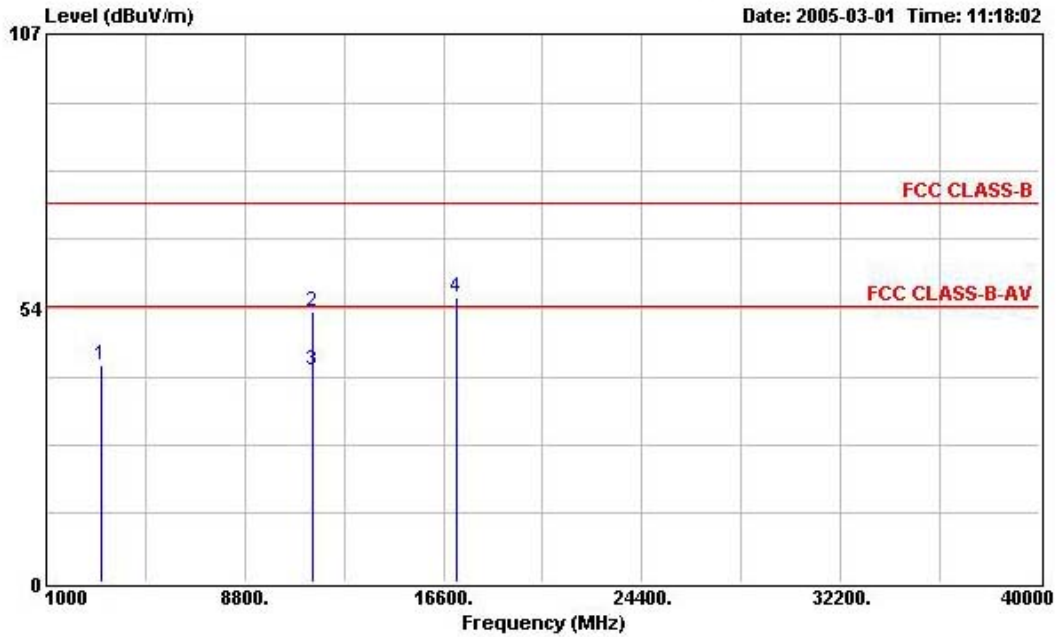
Note:

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

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

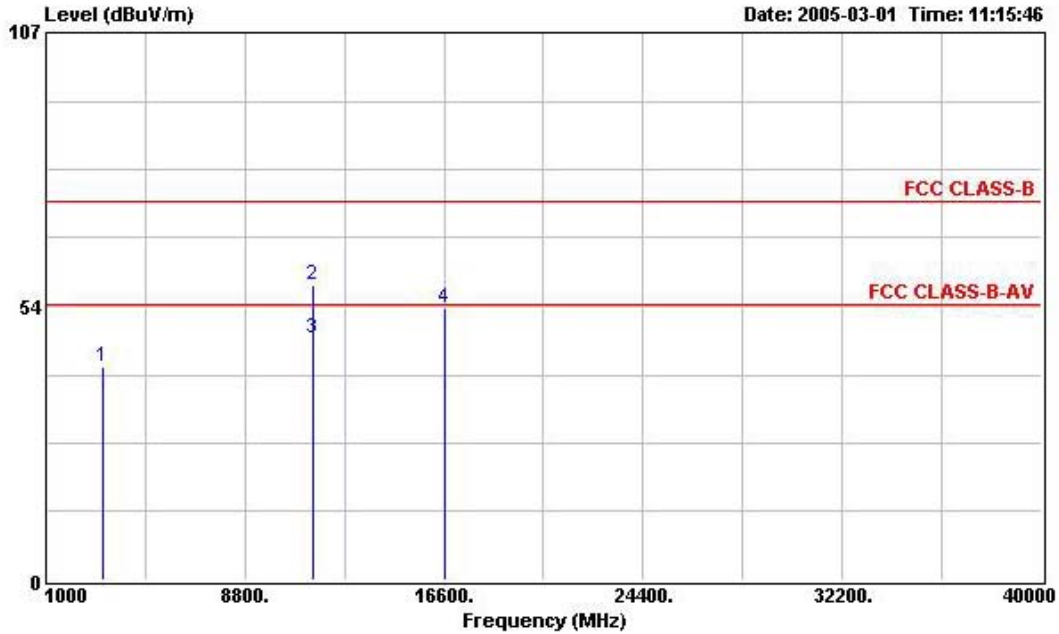
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3196.000	42.28	-31.72	74.00	48.78	30.48	2.26	39.24	Peak	---	---
2	11488.000	52.79	-21.21	74.00	47.54	39.08	4.74	38.57	Peak	---	---
3	11488.000	41.46	-12.54	54.00	36.21	39.08	4.74	38.57	Average	---	---
4	17100.000	55.43	-18.57	74.00	45.56	41.04	5.57	36.74	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3204.000	41.84	-32.16	74.00	48.17	30.59	2.27	39.19	Peak	---	---
2	11484.000	57.73	-16.27	74.00	52.48	39.08	4.74	38.57	Peak	---	---
3	11484.000	47.18	-6.82	54.00	41.93	39.08	4.74	38.57	Average	---	---
4	16656.000	53.09	-20.91	74.00	46.34	38.78	5.09	37.12	Peak	---	---

Note:

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

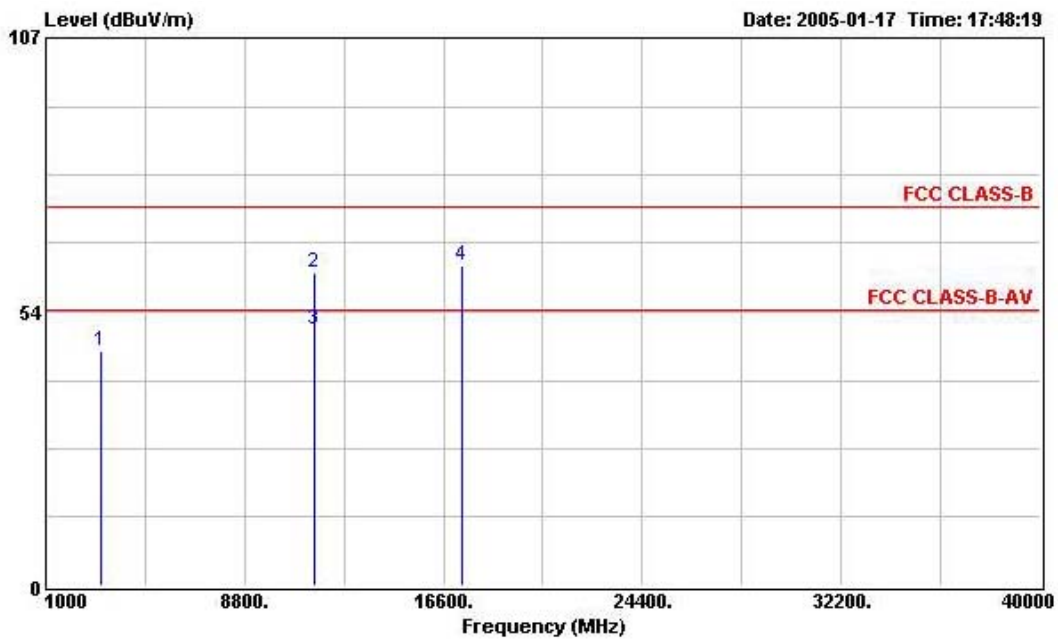
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.8.12. Test Results for CH 104 / 5765 MHz (for emission above 1GHz)

- **Normal Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

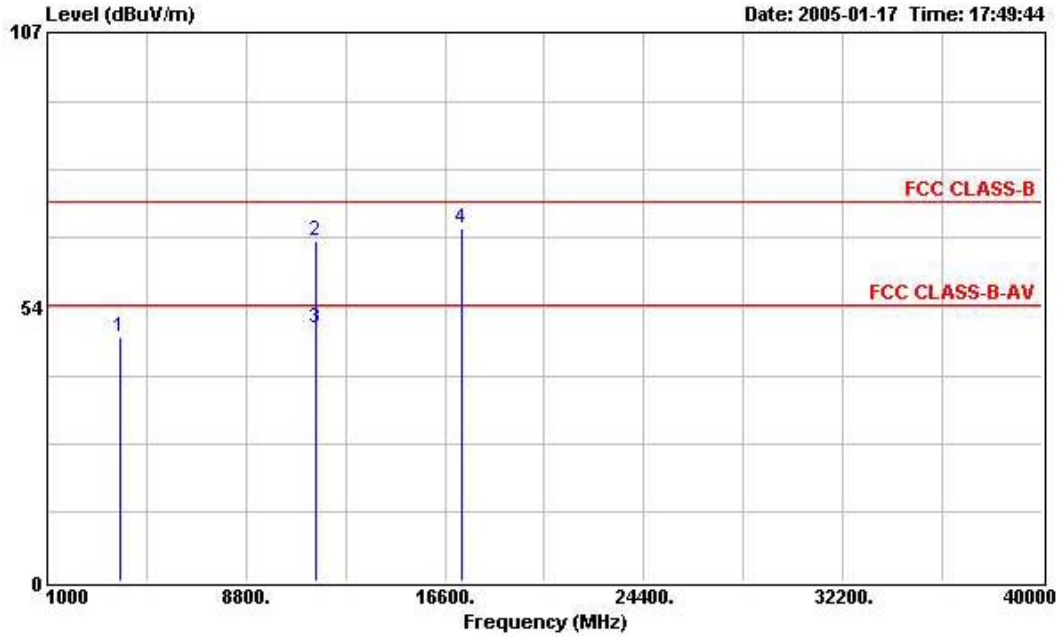
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	45.80	-28.20	74.00	52.30	30.48	2.26	39.24	Peak	---	---
2	11524.000	61.17	-12.83	74.00	55.90	39.11	4.73	38.57	Peak	---	---
3	11524.000	49.93	-4.07	54.00	44.66	39.11	4.73	38.57	Average	---	---
4	17294.000	62.45	-11.55	74.00	49.64	42.52	6.88	36.59	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3844.000	47.65	-26.35	74.00	52.39	32.10	2.45	39.29	Peak	---	---
2	11524.000	66.25	-7.75	74.00	60.98	39.11	4.73	38.57	Peak	---	---
3	11524.000	49.28	-4.72	54.00	44.01	39.11	4.73	38.57	Average	---	---
4	17284.000	68.95	-5.05	74.00	56.14	42.52	6.88	36.59	Peak	---	---

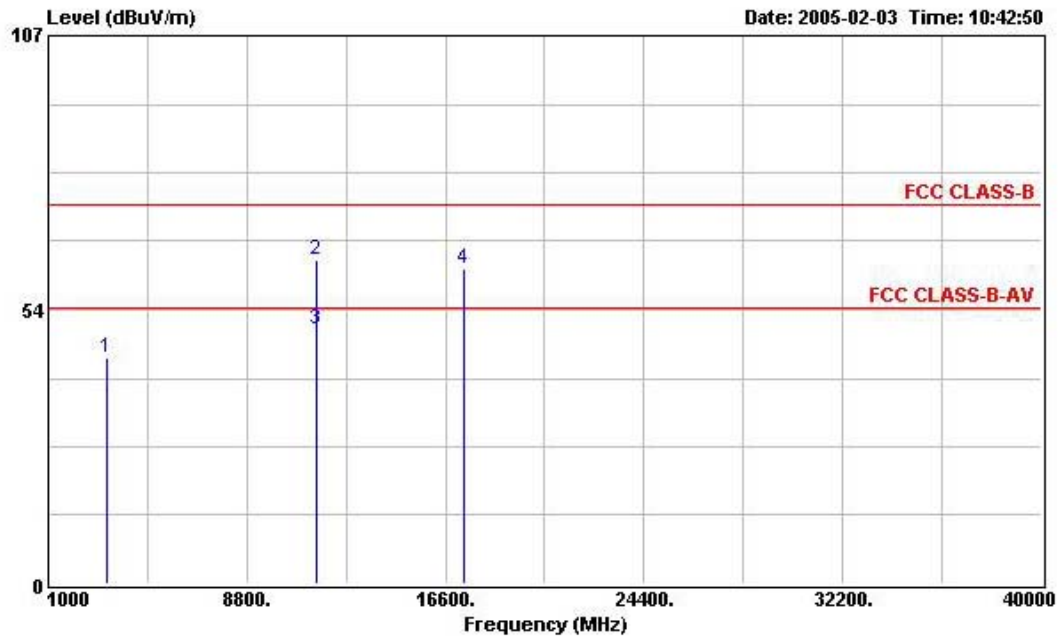
Note:

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

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

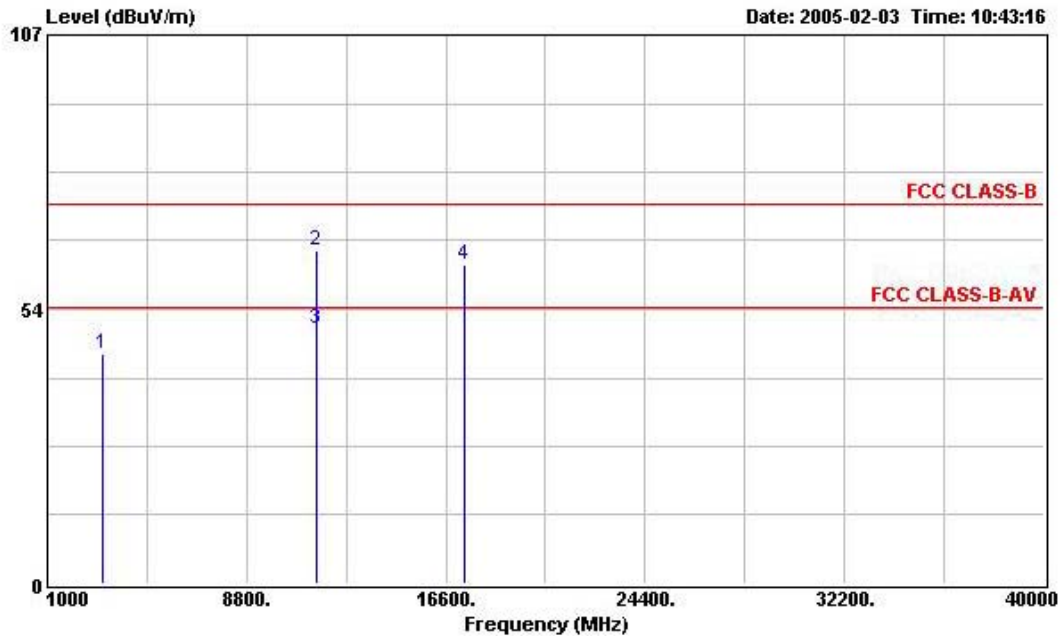
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3314.900	44.06	-29.94	74.00	50.15	30.74	2.29	39.12	Peak	---	---
2	11528.000	63.29	-10.71	74.00	58.02	39.11	4.73	38.57	Peak	---	---
3	11528.000	49.85	-4.15	54.00	44.58	39.11	4.73	38.57	Average	---	---
4	17296.000	61.55	-12.45	74.00	48.74	42.52	6.88	36.59	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.93	-29.07	74.00	51.43	30.48	2.26	39.24	Peak	---	---
2	11540.000	65.08	-8.92	74.00	59.81	39.11	4.73	38.57	Peak	---	---
3	11540.000	49.62	-4.38	54.00	44.35	39.11	4.73	38.57	Average	---	---
4	17304.000	62.09	-11.91	74.00	49.28	42.52	6.88	36.59	Peak	---	---

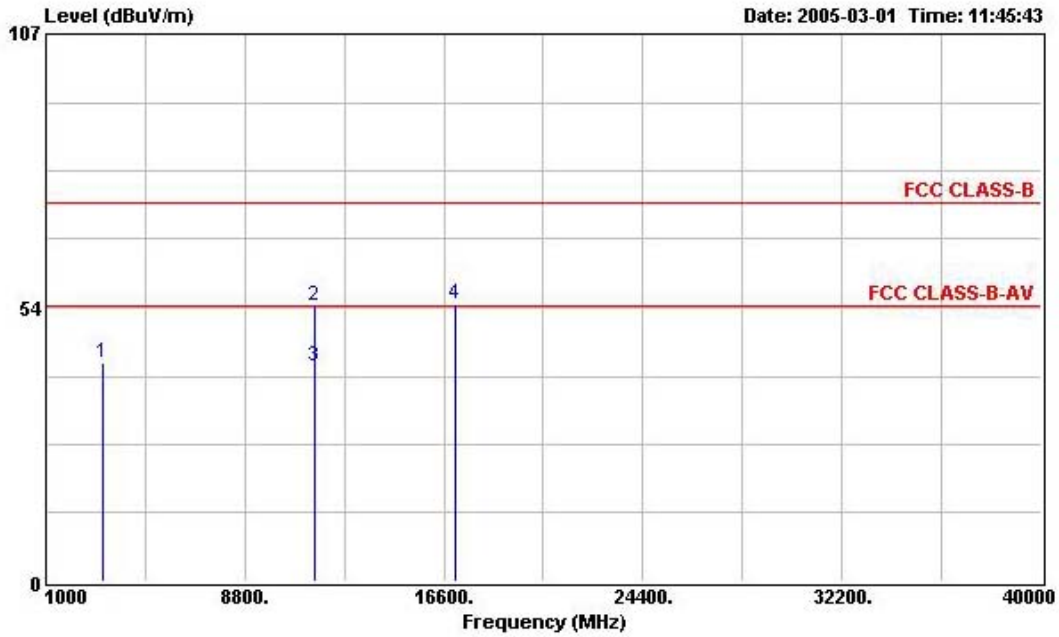
Note:

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

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

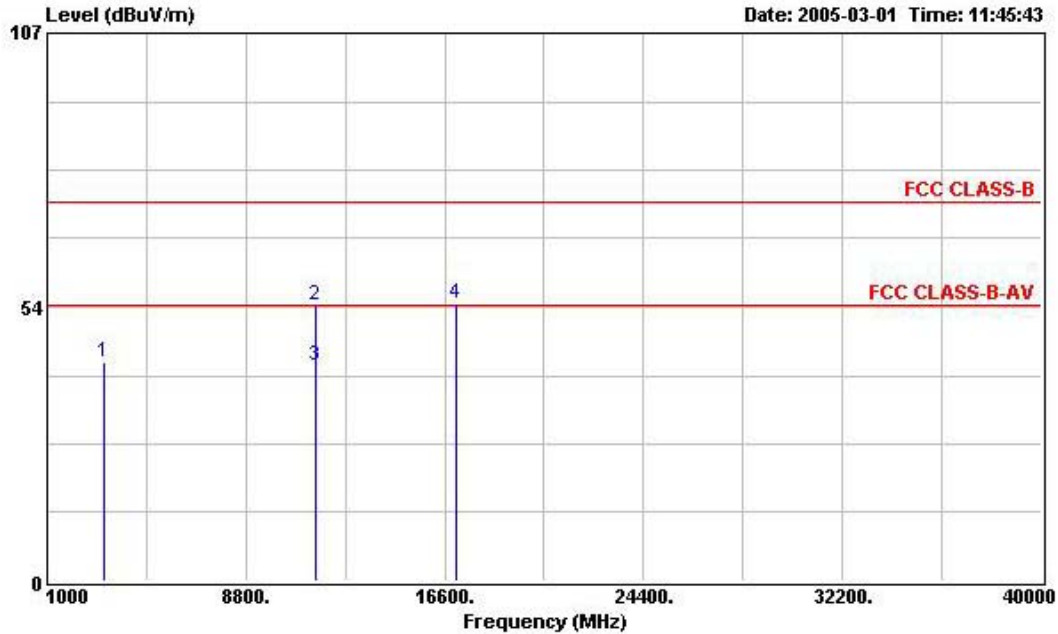
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3200.000	42.56	-31.44	74.00	49.06	30.48	2.26	39.24	Peak	---	---
2	11524.000	53.97	-20.03	74.00	48.70	39.11	4.73	38.57	Peak	---	---
3	11524.000	42.19	-11.81	54.00	36.92	39.11	4.73	38.57	Average	---	---
4	17024.000	54.32	-19.68	74.00	45.54	40.55	5.05	36.82	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3200.000	42.56	-31.44	74.00	49.06	30.48	2.26	39.24	Peak	---	---
2	11524.000	53.97	-20.03	74.00	48.70	39.11	4.73	38.57	Peak	---	---
3	11524.000	42.19	-11.81	54.00	36.92	39.11	4.73	38.57	Average	---	---
4	17024.000	54.32	-19.68	74.00	45.54	40.55	5.05	36.82	Peak	---	---

Note:

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

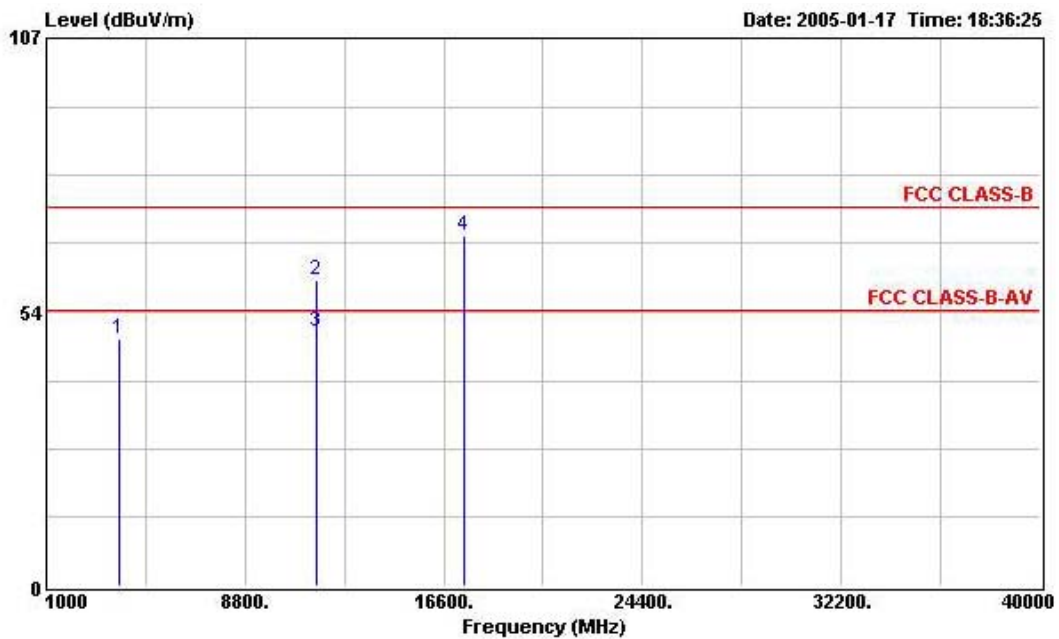
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.8.13. Test Results for CH 112 / 5805 MHz (for emission above 1GHz)

- **Normal Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

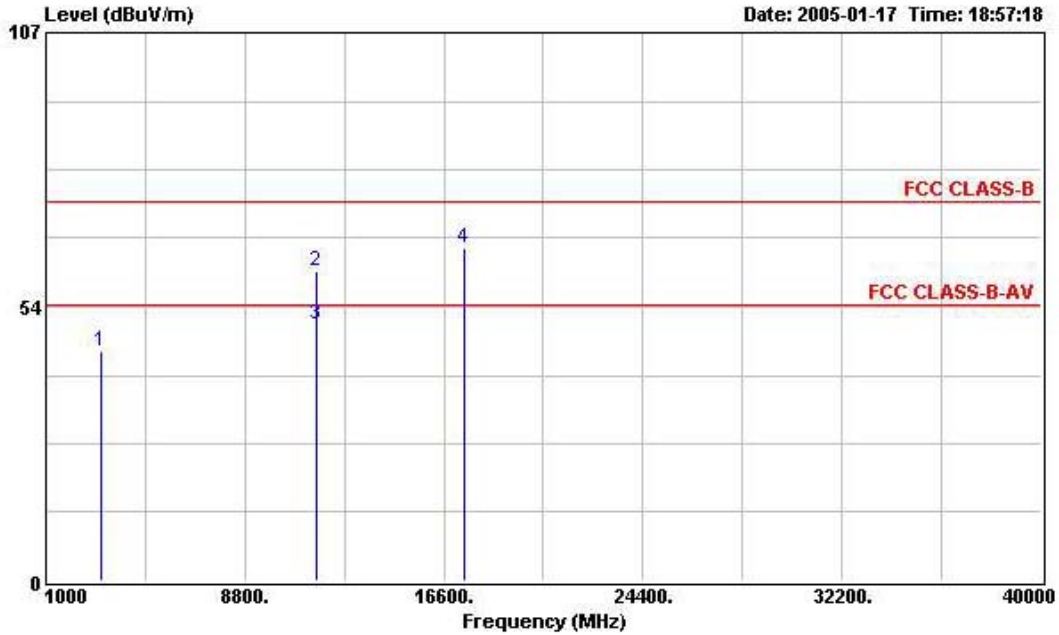
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3868.000	48.14	-25.86	74.00	52.76	32.23	2.46	39.31	Peak	---	---
2	11616.000	59.77	-14.23	74.00	54.45	39.18	4.70	38.56	Peak	---	---
3	11616.000	49.73	-4.27	54.00	44.41	39.18	4.70	38.56	Average	---	---
4	17406.000	68.59	-5.41	74.00	54.06	43.38	7.66	36.51	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3196.000	44.83	-29.17	74.00	51.33	30.48	2.26	39.24	Peak	---	---
2	11612.000	60.57	-13.43	74.00	55.25	39.18	4.70	38.56	Peak	---	---
3	11612.000	49.90	-4.10	54.00	44.58	39.18	4.70	38.56	Average	---	---
4	17410.000	65.12	-8.88	74.00	50.59	43.38	7.66	36.51	Peak	---	---

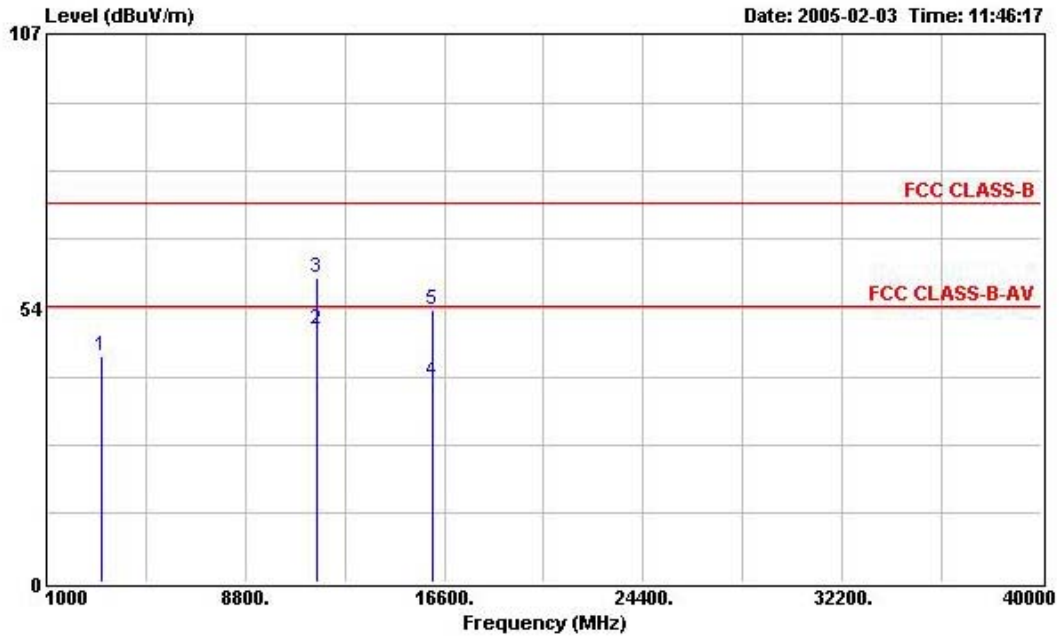
Note:

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

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

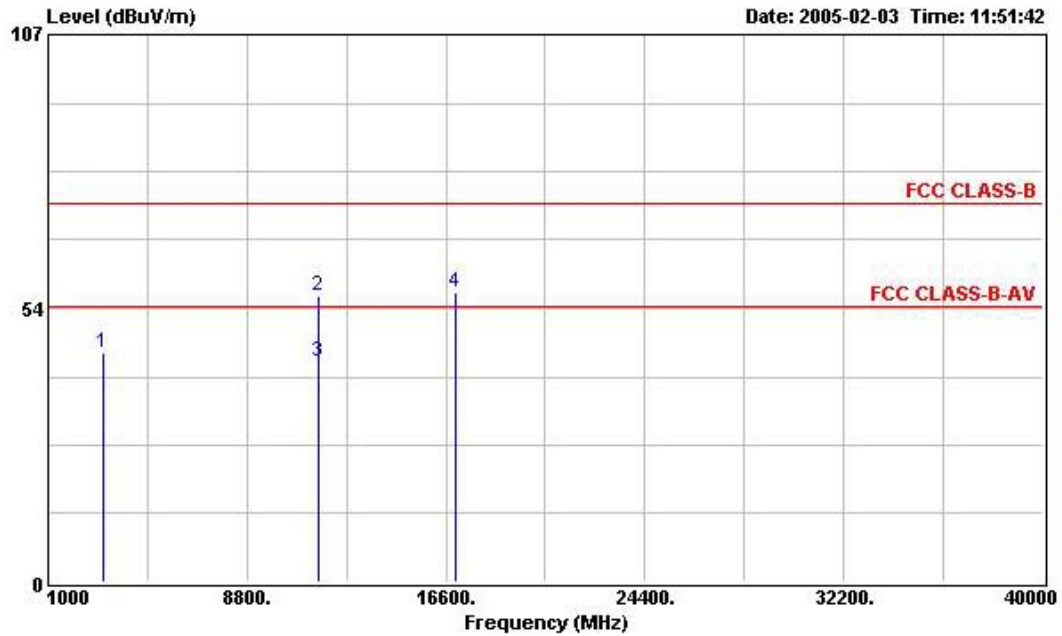
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.05	-29.95	74.00	50.55	30.48	2.26	39.24	Peak	---	---
2	11616.000	49.45	-4.55	54.00	44.13	39.18	4.70	38.56	Average	---	---
3	11616.000	59.55	-14.45	74.00	54.23	39.18	4.70	38.56	Peak	---	---
4	16120.000	39.24	-14.76	54.00	34.28	37.32	5.15	37.51	Average	---	---
5	16120.000	53.19	-20.81	74.00	48.23	37.32	5.15	37.51	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.85	-29.15	74.00	51.35	30.48	2.26	39.24	Peak	---	---
2	11608.000	56.09	-17.91	74.00	50.77	39.18	4.70	38.56	Peak	---	---
3	11608.000	43.06	-10.94	54.00	37.74	39.18	4.70	38.56	Average	---	---
4	17008.000	56.78	-17.22	74.00	48.27	40.30	5.05	36.84	Peak	---	---

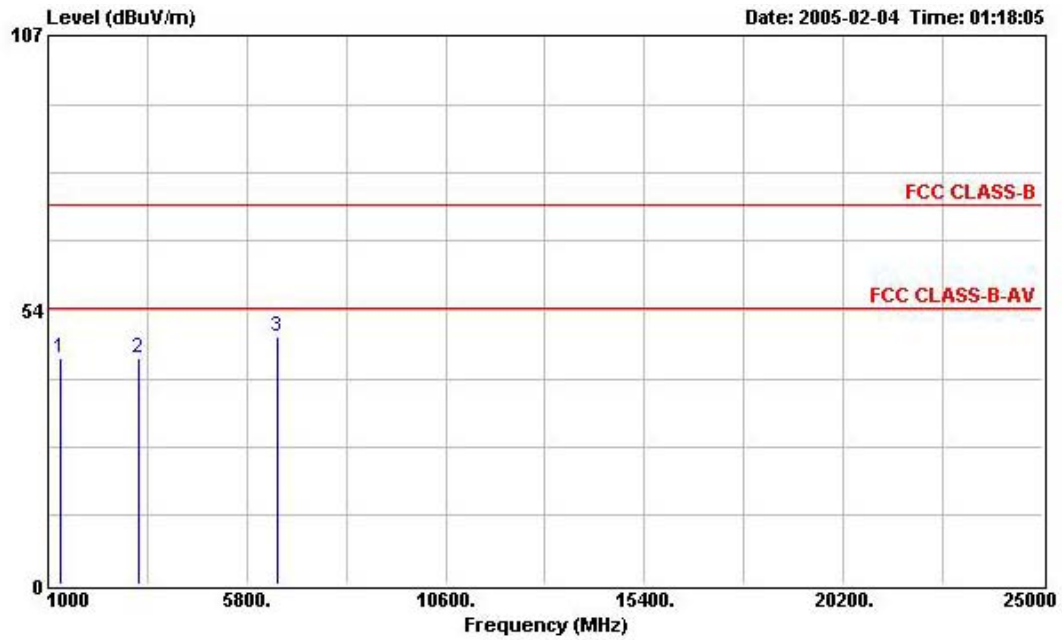
Note:

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

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

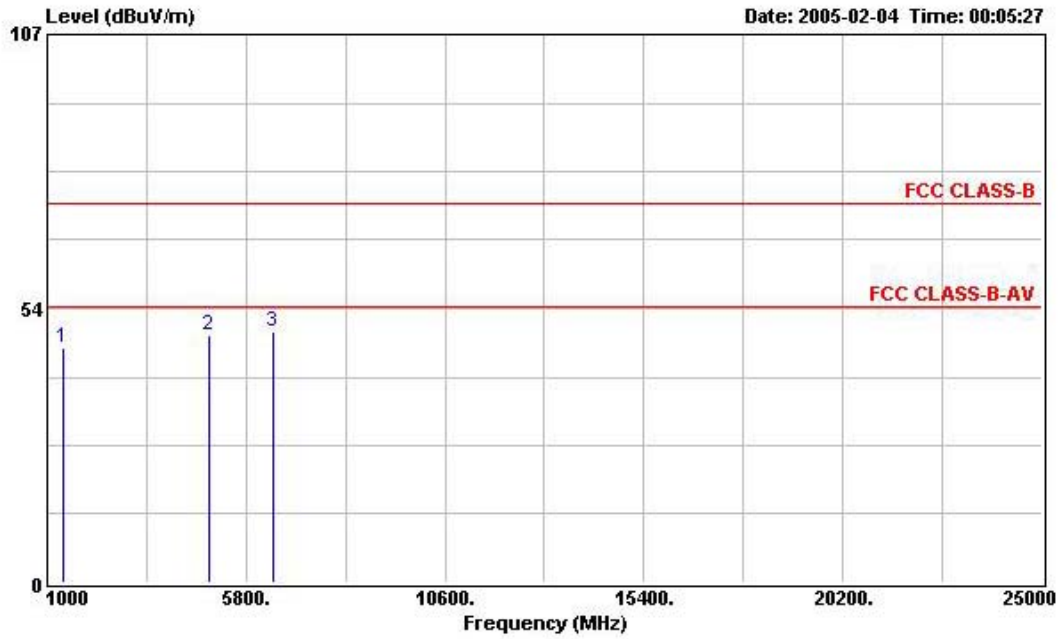
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1296.000	44.26	-29.74	74.00	57.38	24.73	1.36	39.21	Peak	---	---
2	3196.000	44.01	-29.99	74.00	50.38	30.56	2.26	39.19	Peak	---	---
3	6536.000	48.40	-25.60	74.00	50.32	34.36	3.41	39.69	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1396.000	45.79	-28.21	74.00	58.66	24.91	1.41	39.19	Peak	---	---
2	4928.000	48.25	-25.75	74.00	52.29	33.21	2.90	40.15	Peak	---	---
3	6452.000	49.07	-24.93	74.00	51.12	34.27	3.39	39.71	Peak	---	---

Note:

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

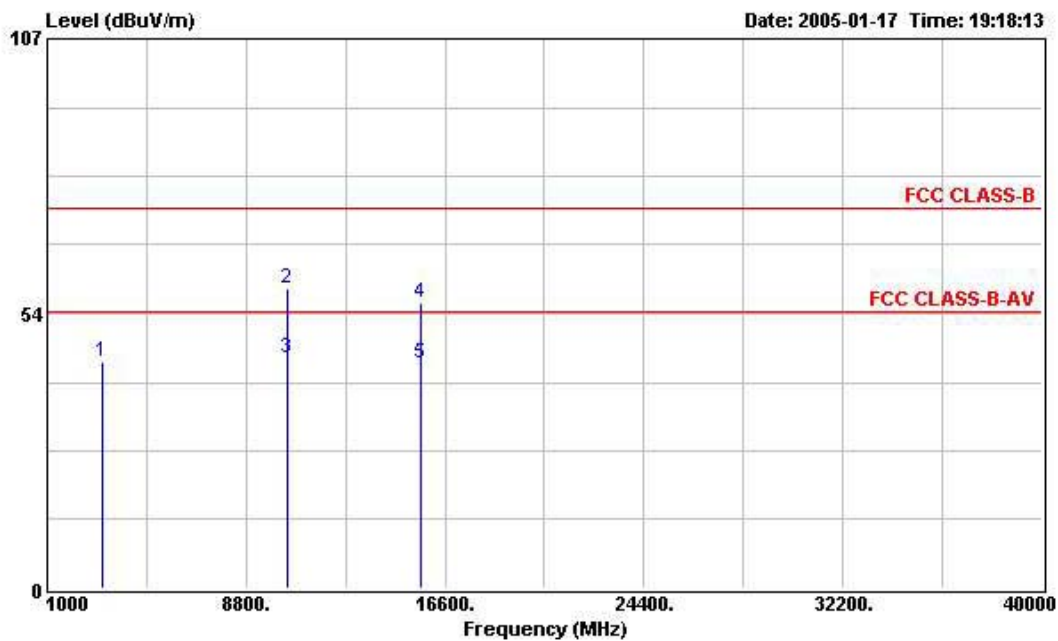
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

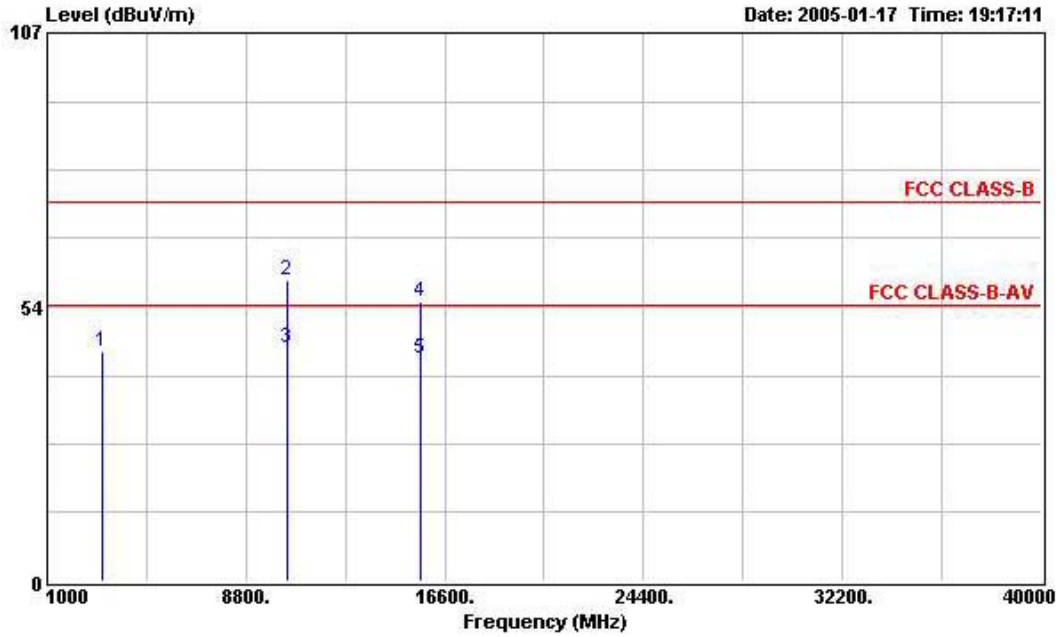
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.23	-29.77	74.00	50.73	30.48	2.26	39.24	Peak	---	---
2	10420.000	58.29	-15.71	74.00	53.67	38.90	4.34	38.62	Peak	---	---
3	10420.000	44.77	-9.23	54.00	40.15	38.90	4.34	38.62	Average	---	---
4	15624.000	55.69	-18.31	74.00	50.79	37.63	5.18	37.91	Peak	---	---
5	15624.000	43.94	-10.06	54.00	39.04	37.63	5.18	37.91	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.65	-29.35	74.00	51.15	30.48	2.26	39.24	Peak	---	---
2	10400.000	58.59	-15.41	74.00	54.00	38.90	4.31	38.62	Peak	---	---
3	10400.000	45.37	-8.63	54.00	40.78	38.90	4.31	38.62	Average	---	---
4	15624.000	54.59	-19.41	74.00	49.69	37.63	5.18	37.91	Peak	---	---
5	15624.000	43.59	-10.41	54.00	38.69	37.63	5.18	37.91	Average	---	---

Note:

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

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

Mode 2

(A) Polarization: Horizontal

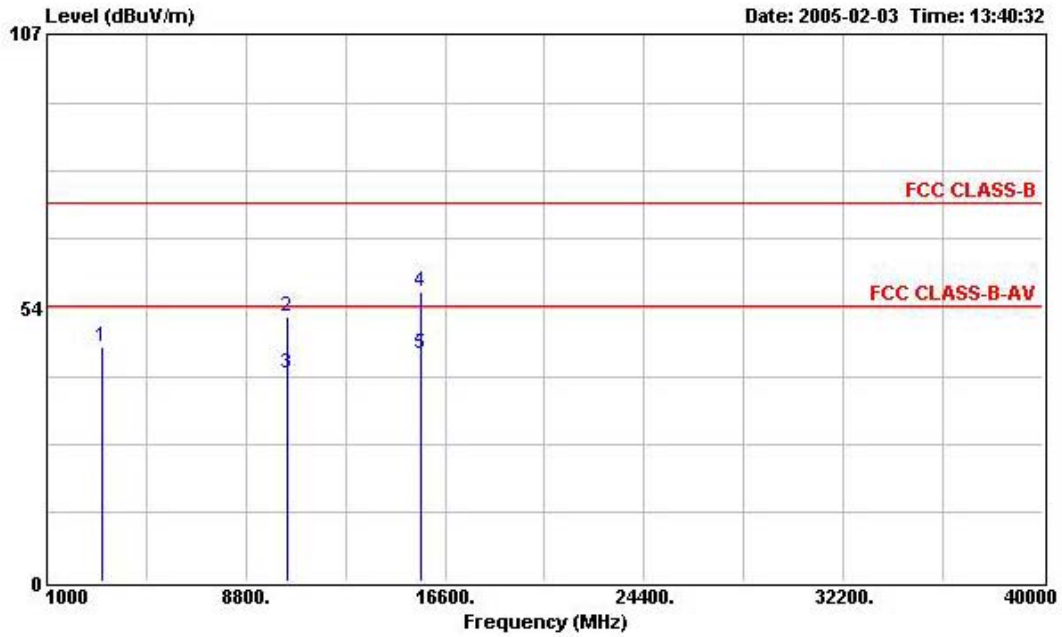
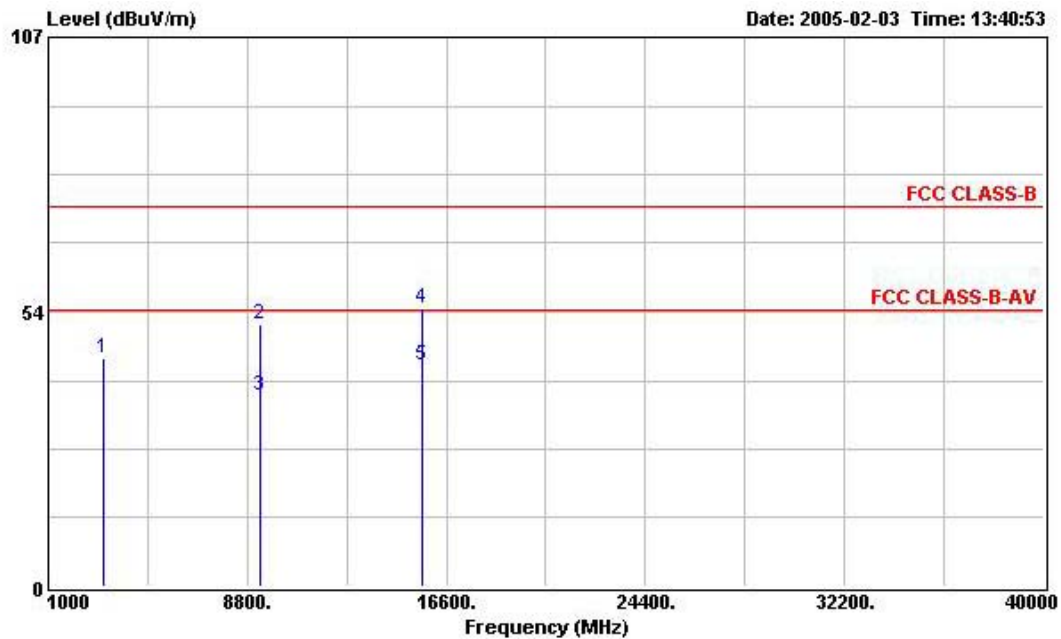


FIGURE 11. FCC CLASS-B-AV LIMIT

	Freq	Level	Over	Limit	Read	Probe	Cable	Presamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.82	-28.18	74.00	52.32	30.48	2.26	39.24	Peak	---	---
2	10420.000	51.69	-22.31	74.00	47.07	38.90	4.34	38.62	Peak	---	---
3	10420.000	40.58	-13.42	54.00	35.96	38.90	4.34	38.62	Average	---	---
4	15624.000	56.55	-17.45	74.00	51.65	37.63	5.18	37.91	Peak	---	---
5	15624.000	44.31	-9.69	54.00	39.41	37.63	5.18	37.91	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.63	-29.37	74.00	51.13	30.48	2.26	39.24	Peak	---	---
2	9328.000	51.21	-22.79	74.00	47.99	38.03	4.03	38.84	Peak	---	---
3	9328.000	37.27	-16.73	54.00	34.05	38.03	4.03	38.84	Average	---	---
4	15620.000	54.07	-19.93	74.00	49.17	37.63	5.18	37.91	Peak	---	---
5	15620.000	43.05	-10.95	54.00	38.15	37.63	5.18	37.91	Average	---	---

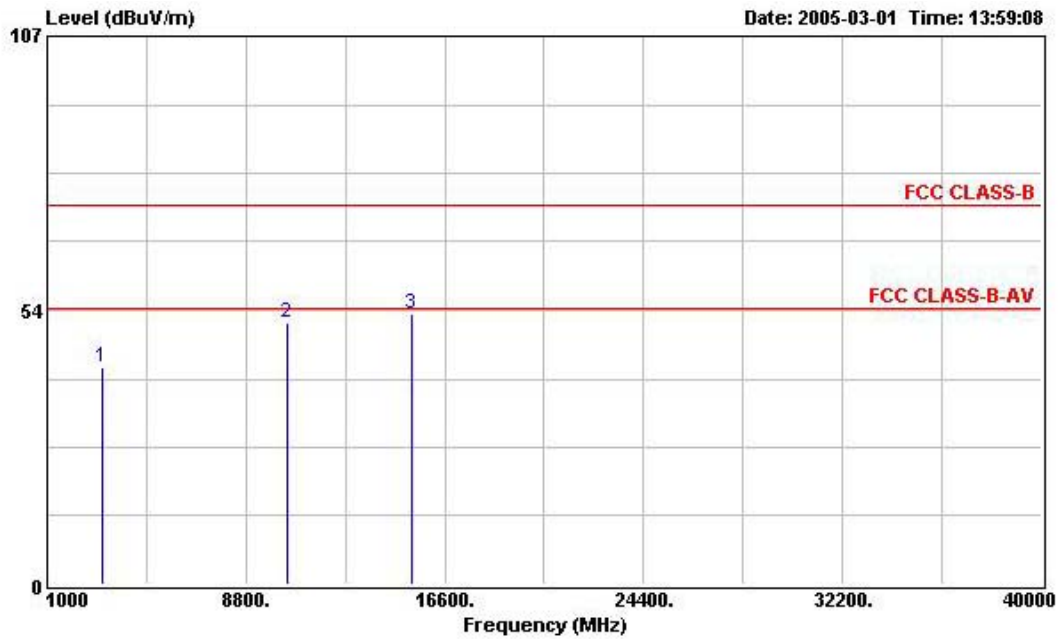
Note:

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

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

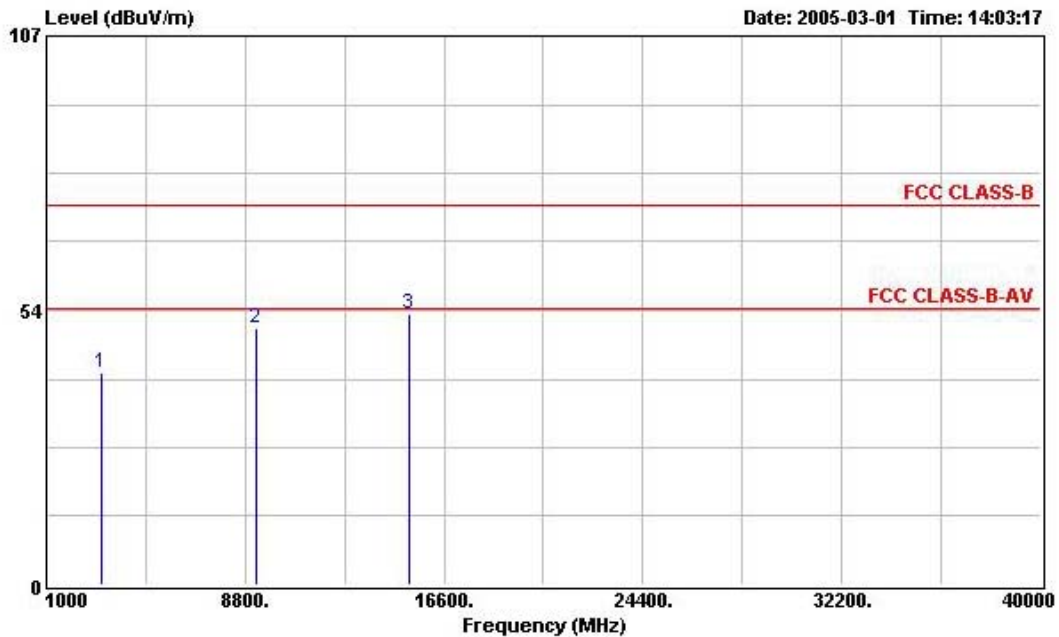
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	42.27	-31.73	74.00	48.77	30.48	2.26	39.24	Peak	---	---
2	10400.000	51.14	-22.86	74.00	46.55	38.90	4.31	38.62	Peak	---	---
3	15288.000	52.86	-21.14	74.00	46.56	39.30	5.19	38.19	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	41.44	-32.56	74.00	47.94	30.48	2.26	39.24	Peak	---	---
2	9264.000	50.11	-23.89	74.00	46.89	38.05	4.04	38.87	Peak	---	---
3	15256.000	52.72	-21.28	74.00	46.42	39.30	5.19	38.19	Peak	---	---

Note:

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

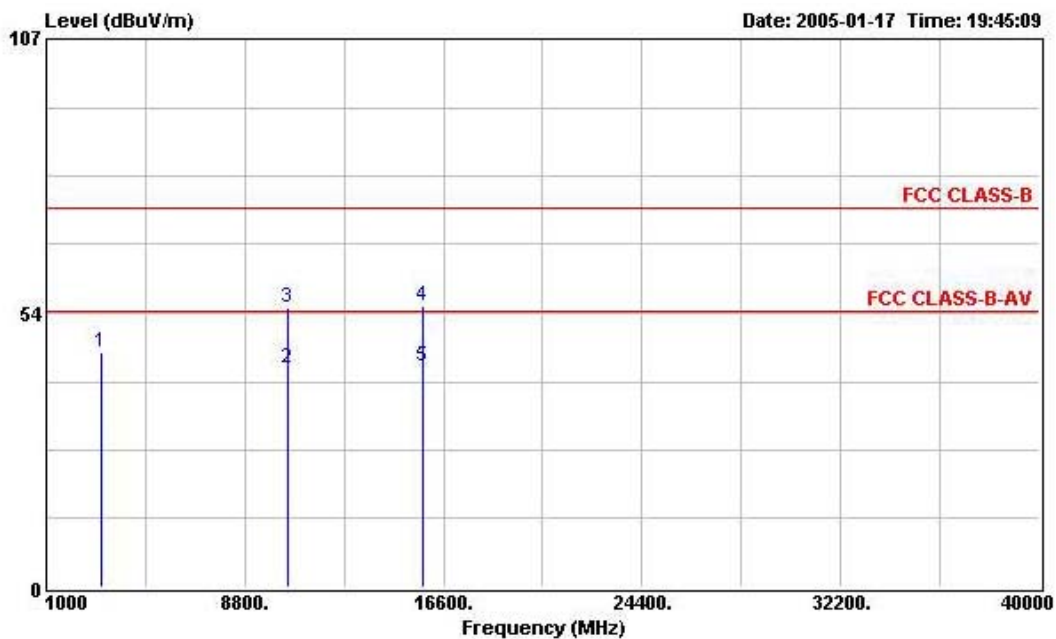
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

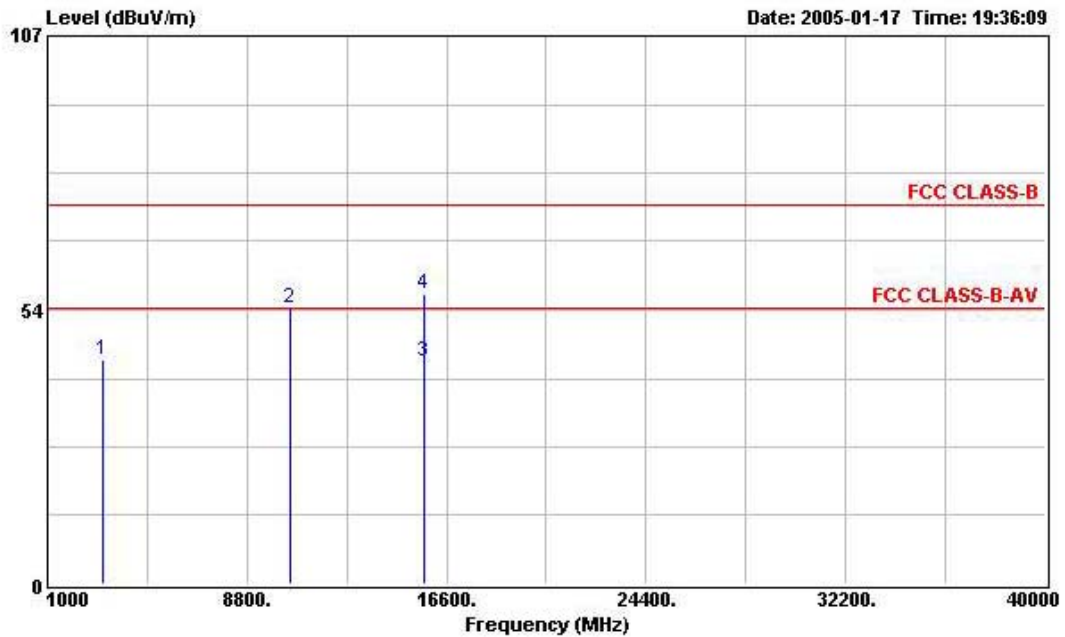
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.92	-28.08	74.00	52.42	30.48	2.26	39.24	Peak	---	---
2	10492.000	42.88	-11.12	54.00	38.23	38.90	4.37	38.62	Average	---	---
3	10492.000	54.68	-19.32	74.00	50.03	38.90	4.37	38.62	Peak	---	---
4	15756.000	55.05	-18.95	74.00	50.25	37.44	5.18	37.82	Peak	---	---
5	15756.000	42.93	-11.07	54.00	38.13	37.44	5.18	37.82	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	43.88	-30.12	74.00	50.38	30.48	2.26	39.24	Peak	---	---
2	10504.000	53.94	-20.06	74.00	49.25	38.90	4.41	38.62	Peak	---	---
3	15744.000	43.47	-10.53	54.00	38.67	37.44	5.18	37.82	Average	---	---
4	15744.000	56.49	-17.51	74.00	51.69	37.44	5.18	37.82	Peak	---	---

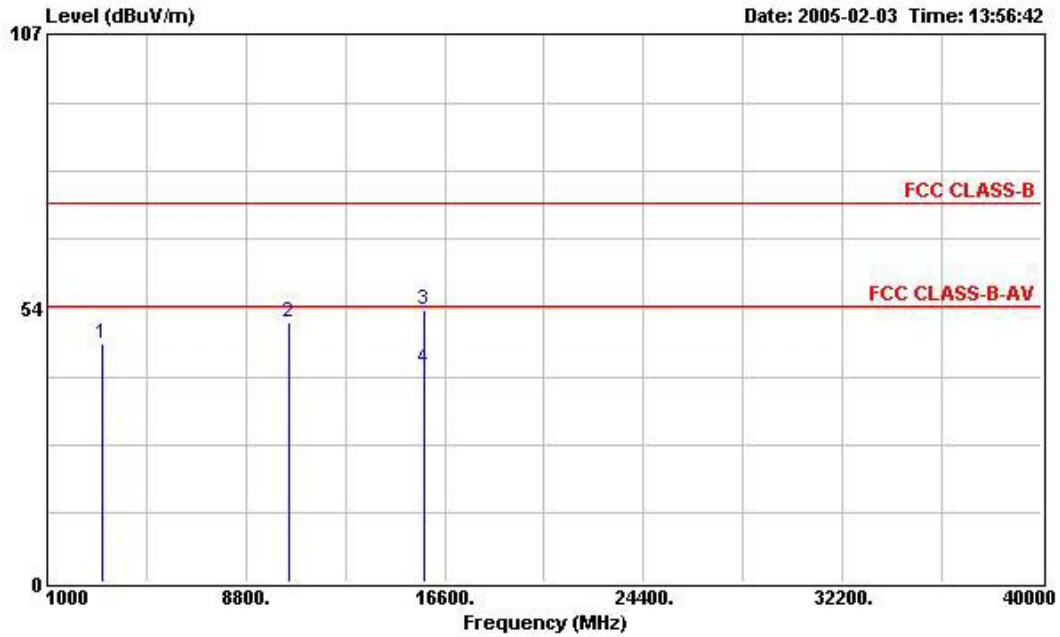
Note:

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

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

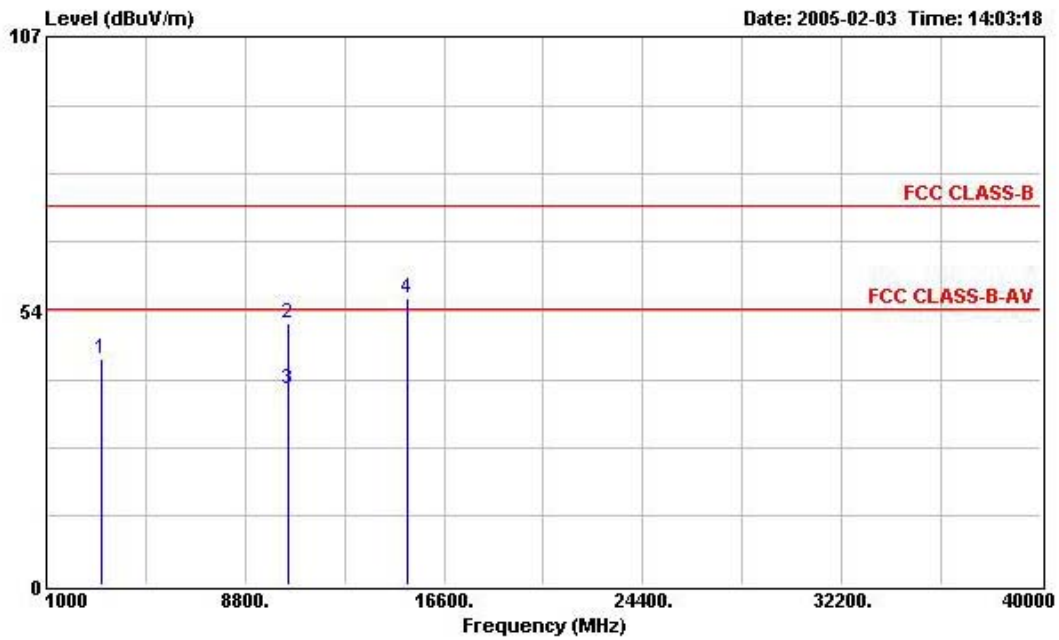
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	46.44	-27.56	74.00	52.94	30.48	2.26	39.24	Peak	---	---
2	10500.000	50.72	-23.28	74.00	46.03	38.90	4.41	38.62	Peak	---	---
3	15756.000	53.17	-20.83	74.00	48.37	37.44	5.18	37.82	Peak	---	---
4	15756.000	41.74	-12.26	54.00	36.94	37.44	5.18	37.82	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	44.07	-29.93	74.00	50.57	30.48	2.26	39.24	Peak	---	---
2	10500.000	51.06	-22.94	74.00	46.37	38.90	4.41	38.62	Peak	---	---
3	10500.000	38.25	-15.75	54.00	33.56	38.90	4.41	38.62	Average	---	---
4	15168.000	55.92	-18.08	74.00	49.01	40.00	5.20	38.29	Peak	---	---

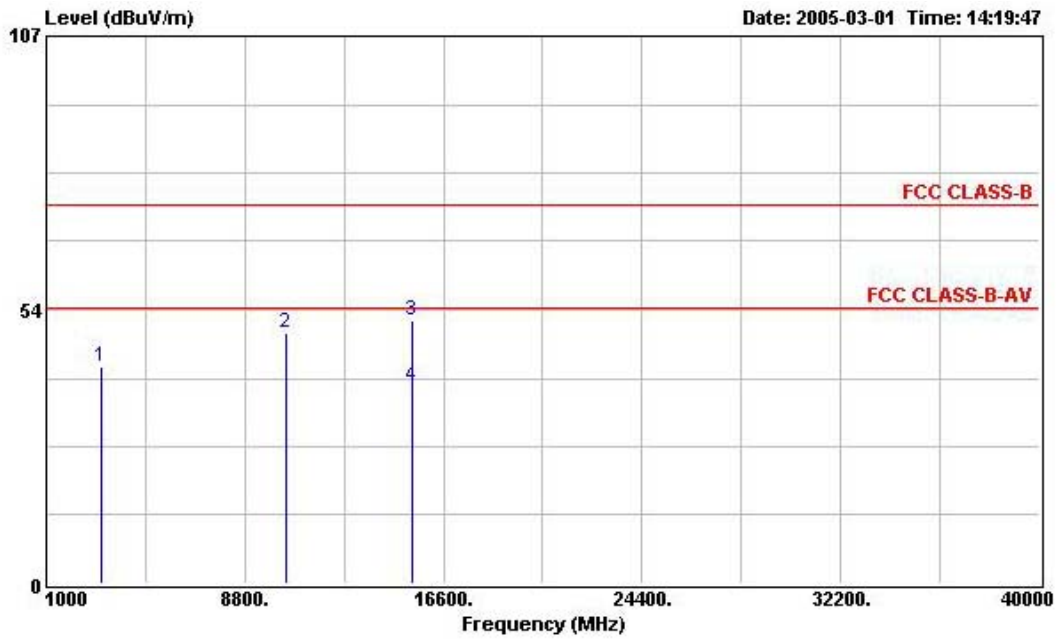
Note:

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

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

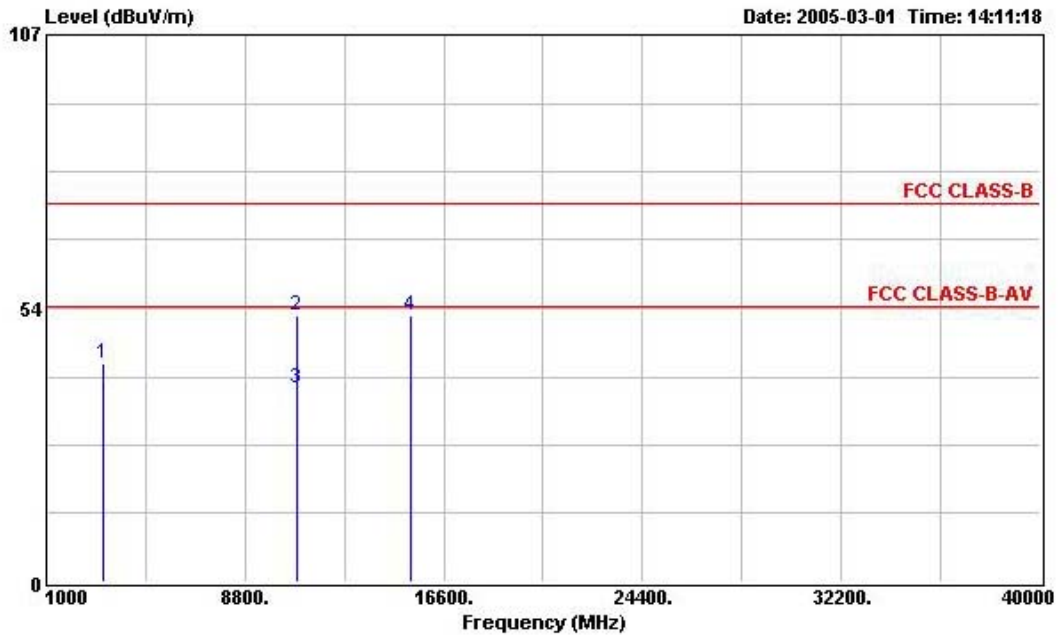
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	42.52	-31.48	74.00	49.02	30.48	2.26	39.24	Peak	---	---
2	10420.000	48.89	-25.11	74.00	44.27	38.90	4.34	38.62	Peak	---	---
3	15372.000	51.54	-22.46	74.00	45.85	38.60	5.19	38.10	Peak	---	---
4	15372.000	38.45	-15.55	54.00	32.76	38.60	5.19	38.10	Average	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor		Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3208.000	42.80	-31.20	74.00	49.13	30.59	2.27	39.19	Peak	---	---
2	10824.000	52.01	-21.99	74.00	47.22	38.71	4.68	38.60	Peak	---	---
3	10824.000	37.77	-16.23	54.00	32.98	38.71	4.68	38.60	Average	---	---
4	15284.000	52.03	-21.97	74.00	45.73	39.30	5.19	38.19	Peak	---	---

Note:

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

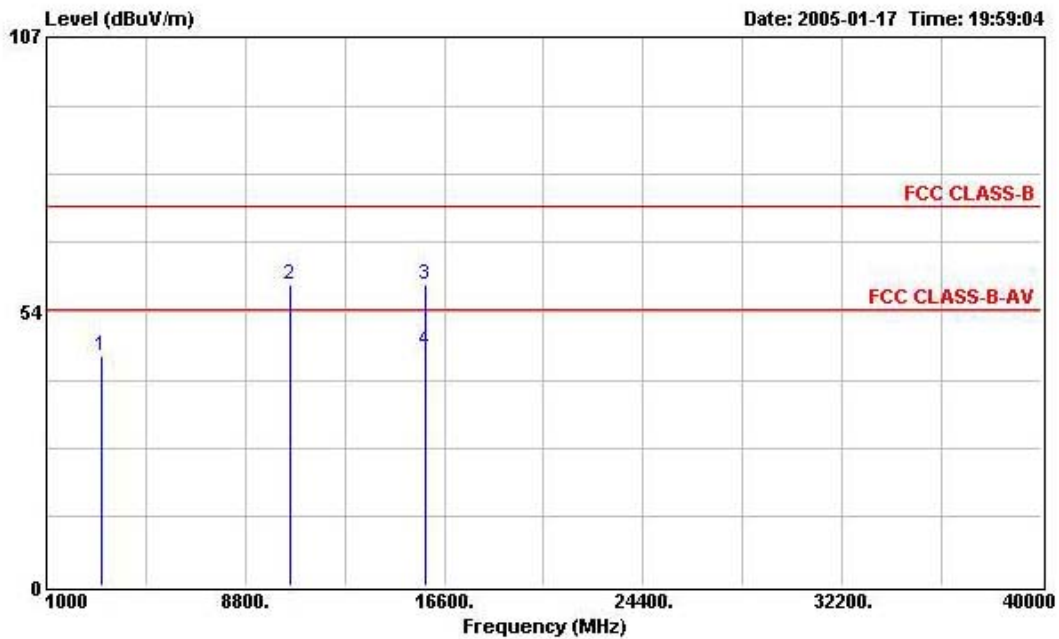
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

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

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

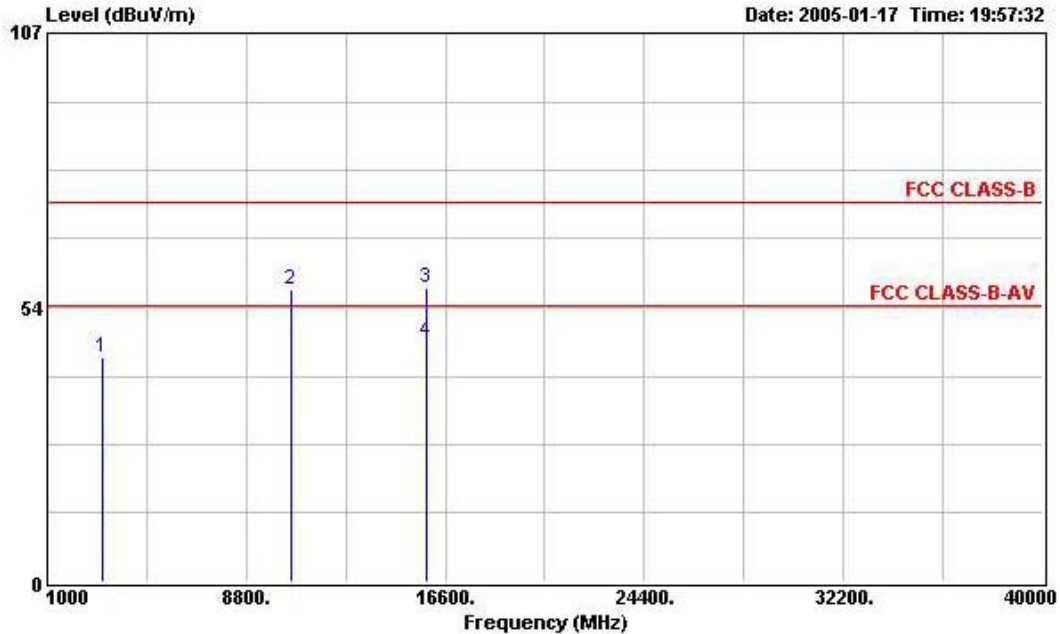
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.87	-29.13	74.00	51.37	30.48	2.26	39.24	Peak	---	---
2	10588.000	58.56	-15.44	74.00	53.84	38.86	4.47	38.61	Peak	---	---
3	15876.000	58.55	-15.45	74.00	53.85	37.25	5.17	37.72	Peak	---	---
4	15876.000	45.76	-8.24	54.00	41.06	37.25	5.17	37.72	Average	---	---

(B) Polarization: Vertical



ite : 03CH03-HY
ondition : 3m HORN ANT 6741 200409 VERTICAL
JT : WIRELESS PCI CARD
ower : FOR SYSTEM
odel : WN5401A-H1
emo : TX 5290MHz-Internal-11a
 : FCC TURBO

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	43.94	-30.06	74.00	50.44	30.48	2.26	39.24	Peak	---	---
2	10580.000	57.06	-16.94	74.00	52.34	38.86	4.47	38.61	Peak	---	---
3	15872.000	57.38	-16.62	74.00	52.68	37.25	5.17	37.72	Peak	---	---
4	15872.000	46.74	-7.26	54.00	42.04	37.25	5.17	37.72	Average	---	---

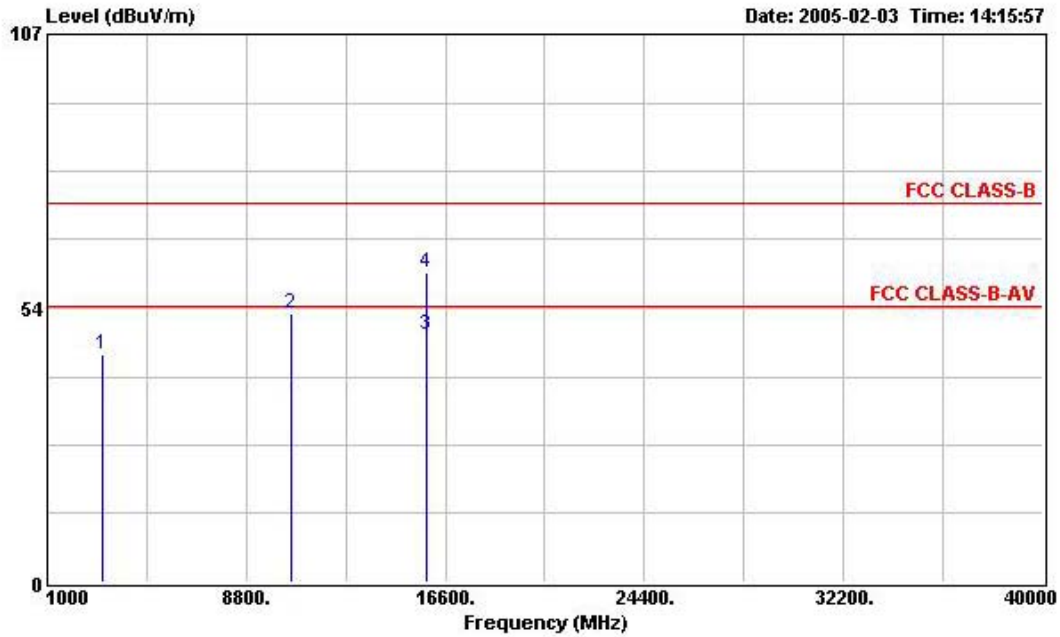
Note:

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

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

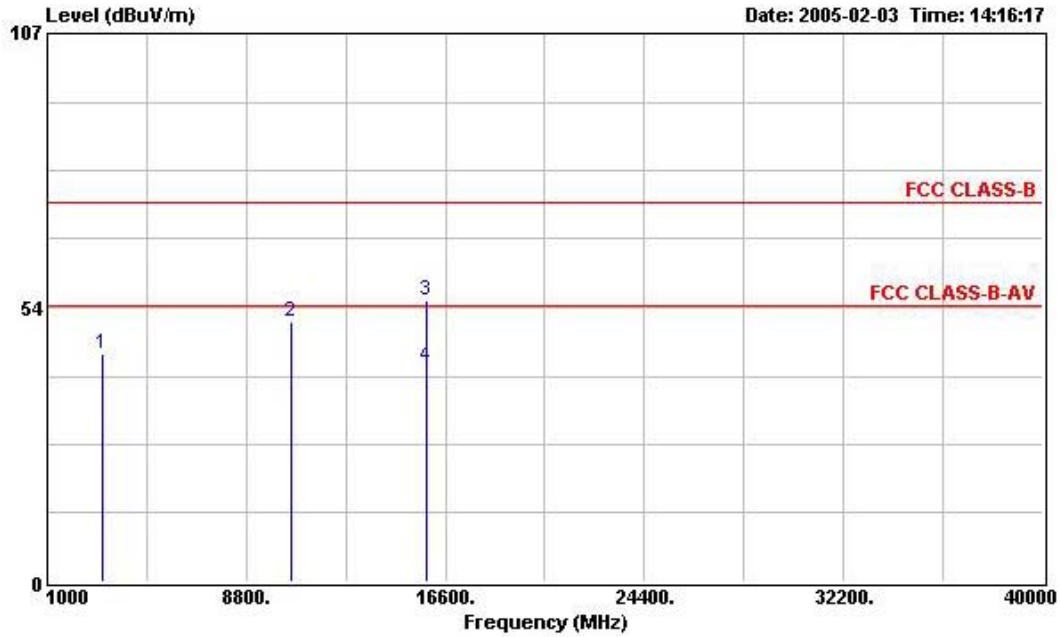
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	44.39	-29.61	74.00	50.89	30.48	2.26	39.24	Peak	---	---
2	10584.000	52.36	-21.64	74.00	47.64	38.86	4.47	38.61	Peak	---	---
3	15876.000	48.41	-5.59	54.00	43.71	37.25	5.17	37.72	Average	---	---
4	15876.000	60.44	-13.56	74.00	55.74	37.25	5.17	37.72	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	44.46	-29.54	74.00	50.96	30.48	2.26	39.24	Peak	---	---
2	10580.000	50.73	-23.27	74.00	46.01	38.86	4.47	38.61	Peak	---	---
3	15876.000	54.92	-19.08	74.00	50.22	37.25	5.17	37.72	Peak	---	---
4	15876.000	42.18	-11.82	54.00	37.48	37.25	5.17	37.72	Average	---	---

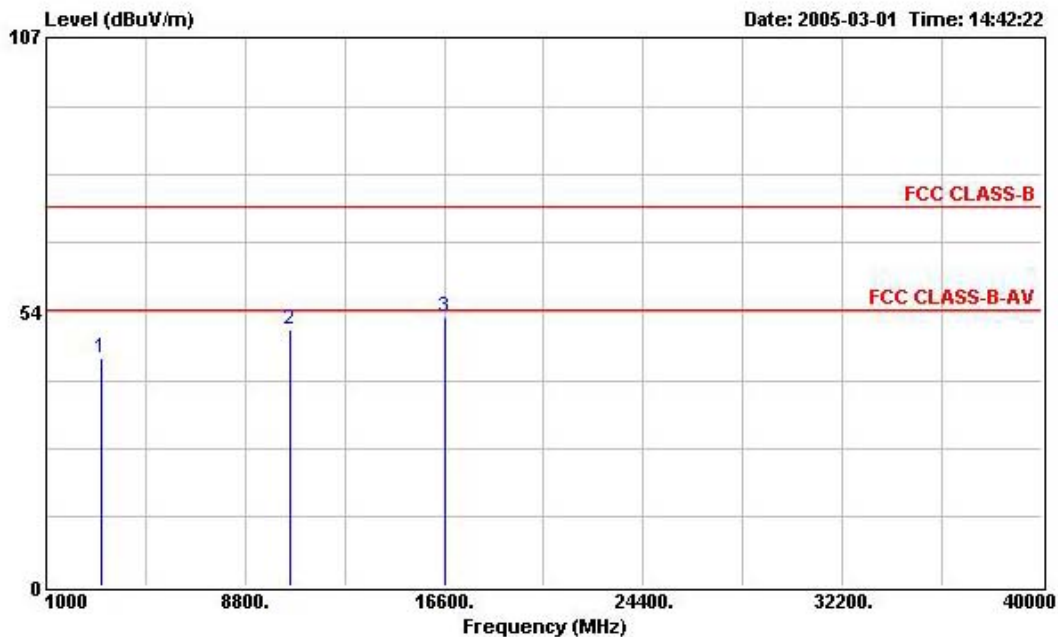
Note:

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

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

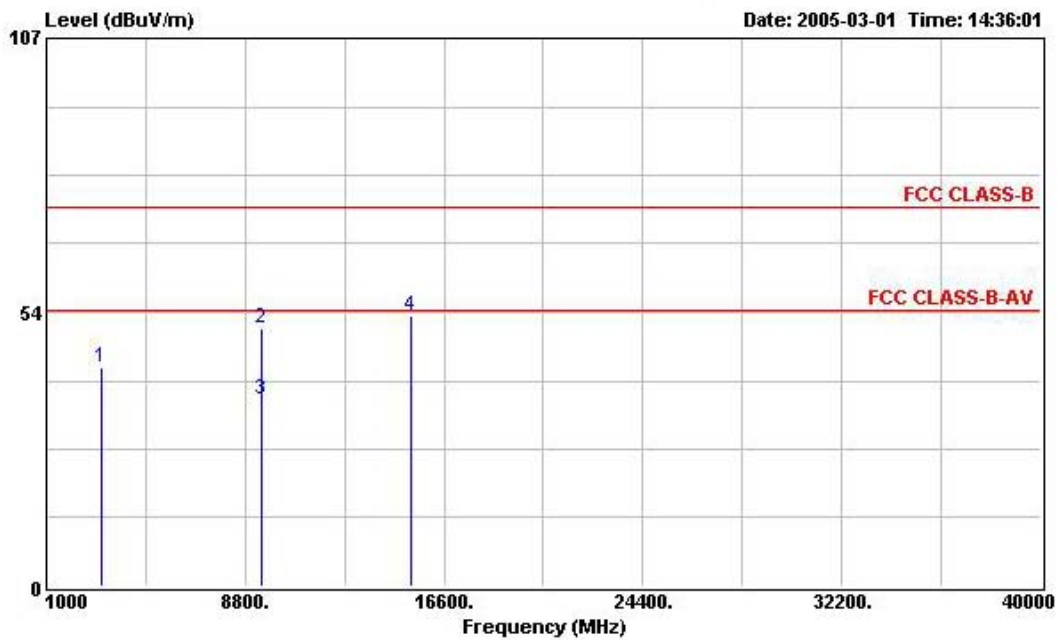
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3196.000	44.33	-29.67	74.00	50.83	30.48	2.26	39.24	Peak	---	---
2	10580.000	49.89	-24.11	74.00	45.17	38.86	4.47	38.61	Peak	---	---
3	16632.000	52.60	-21.40	74.00	45.85	38.78	5.09	37.12	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	42.75	-31.25	74.00	49.25	30.48	2.26	39.24	Peak	---	---
2	9476.000	50.36	-23.64	74.00	47.14	38.01	4.02	38.81	Peak	---	---
3	9476.000	36.60	-17.40	54.00	33.38	38.01	4.02	38.81	Average	---	---
4	15288.000	52.75	-21.25	74.00	46.45	39.30	5.19	38.19	Peak	---	---

Note:

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

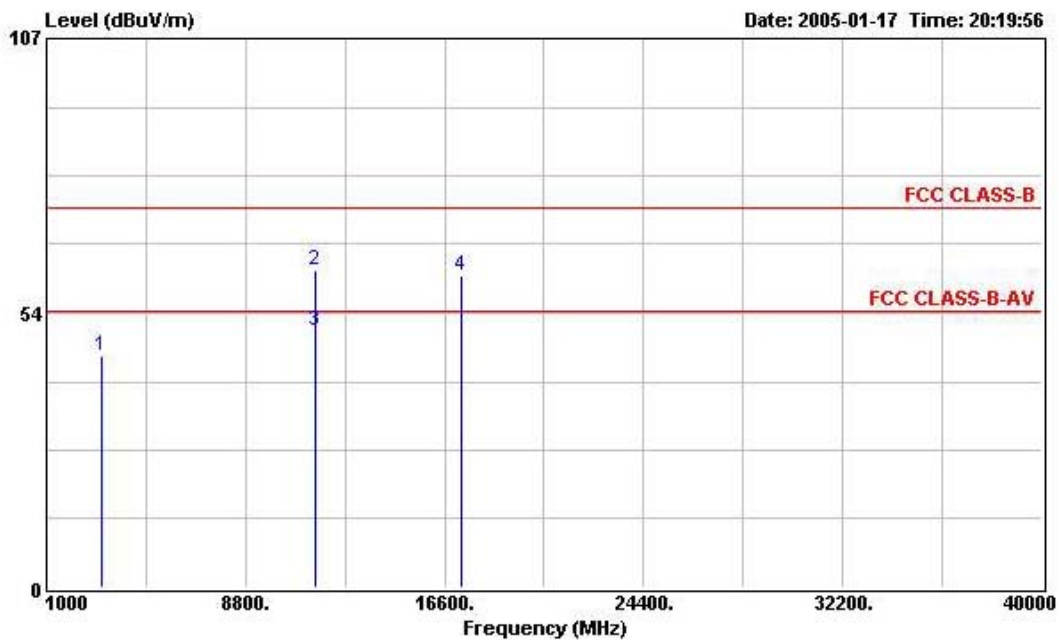
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.8.17. Test Results for CH 103 / 5760 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

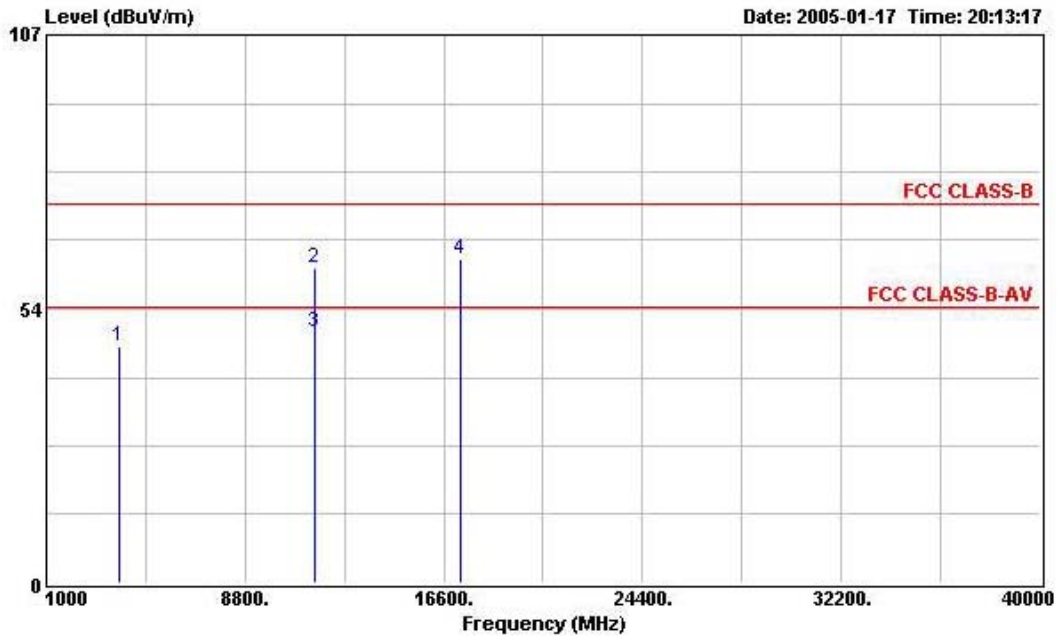
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3184.000	45.16	-28.84	74.00	51.66	30.48	2.26	39.24	Peak	---	---
2	11504.000	61.70	-12.30	74.00	56.45	39.08	4.74	38.57	Peak	---	---
3	11504.000	50.00	-4.00	54.00	44.75	39.08	4.74	38.57	Average	---	---
4	17264.000	60.92	-13.08	74.00	48.66	42.27	6.62	36.63	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3840.000	46.24	-27.76	74.00	50.98	32.10	2.45	39.29	Peak	---	---
2	11516.000	61.39	-12.61	74.00	56.12	39.11	4.73	38.57	Peak	---	---
3	11516.000	49.00	-5.00	54.00	43.73	39.11	4.73	38.57	Average	---	---
4	17274.000	63.17	-10.83	74.00	50.91	42.27	6.62	36.63	Peak	---	---

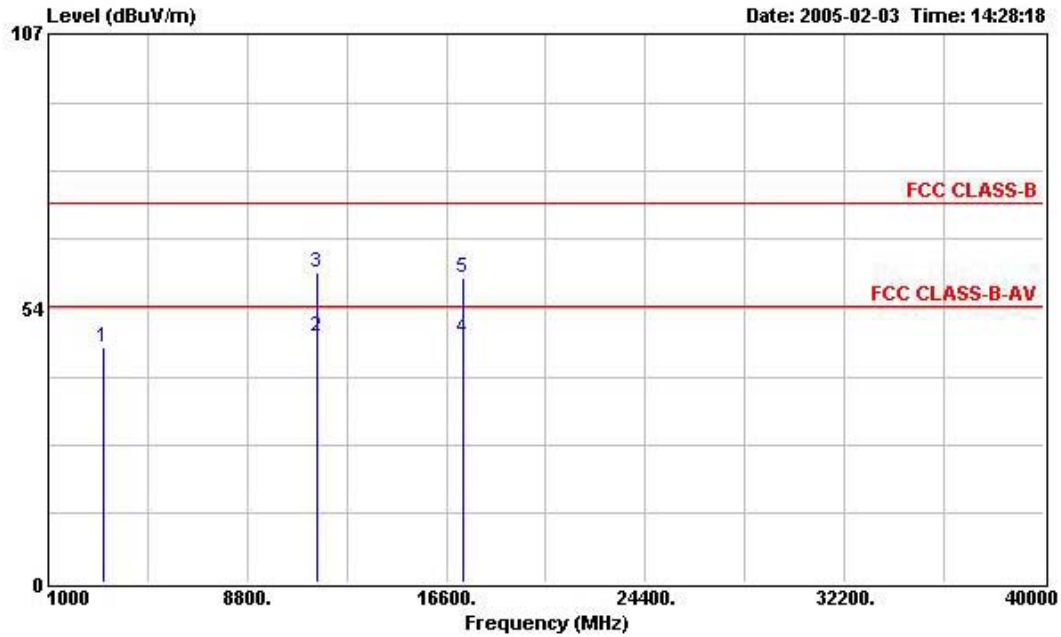
Note:

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

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

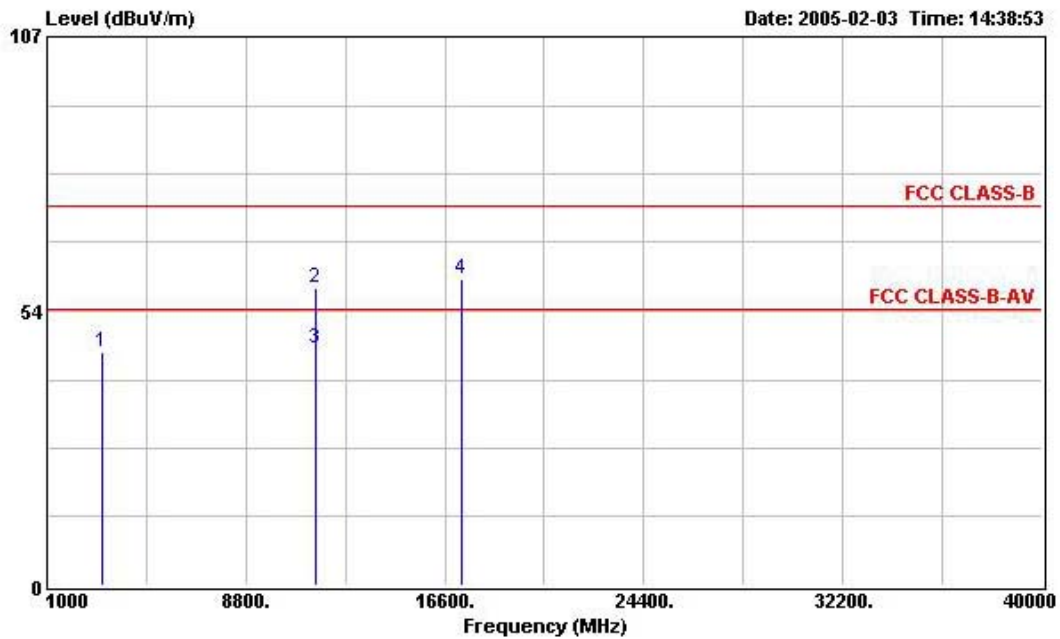
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.92	-28.08	74.00	52.42	30.48	2.26	39.24	Peak	---	---
2	11512.000	48.10	-5.90	54.00	42.83	39.11	4.73	38.57	Average	---	---
3	11512.000	60.46	-13.54	74.00	55.19	39.11	4.73	38.57	Peak	---	---
4	17284.000	47.71	-6.29	54.00	34.90	42.52	6.88	36.59	Average	---	---
5	17284.000	59.51	-14.49	74.00	46.70	42.52	6.88	36.59	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	45.36	-28.64	74.00	51.86	30.48	2.26	39.24	Peak	---	---
2	11512.000	58.12	-15.88	74.00	52.85	39.11	4.73	38.57	Peak	---	---
3	11512.000	46.10	-7.90	54.00	40.83	39.11	4.73	38.57	Average	---	---
4	17280.000	59.65	-14.35	74.00	47.39	42.27	6.62	36.63	Peak	---	---

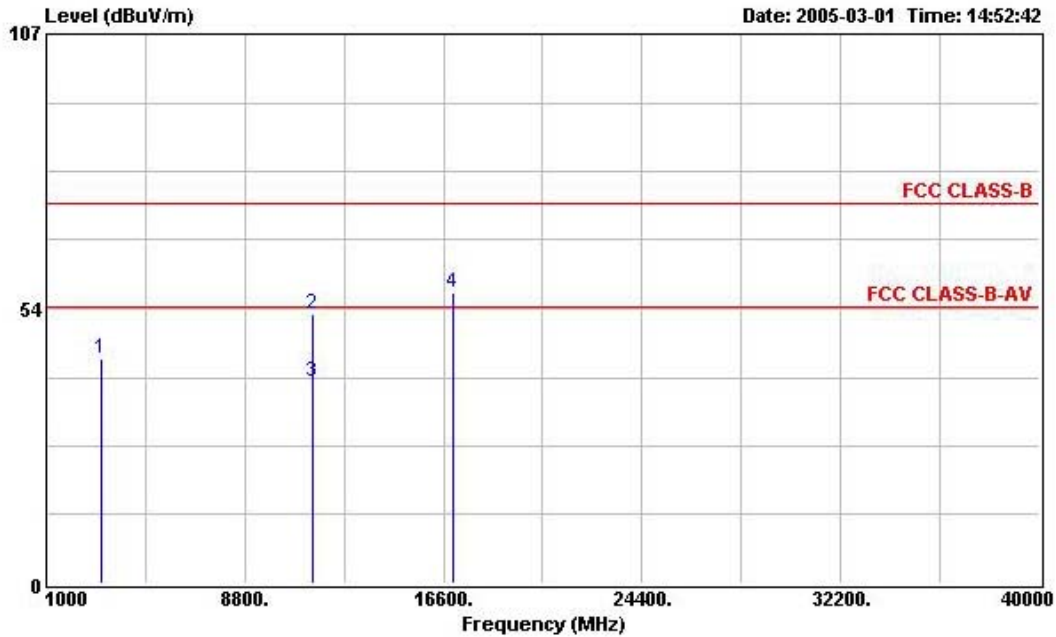
Note:

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

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

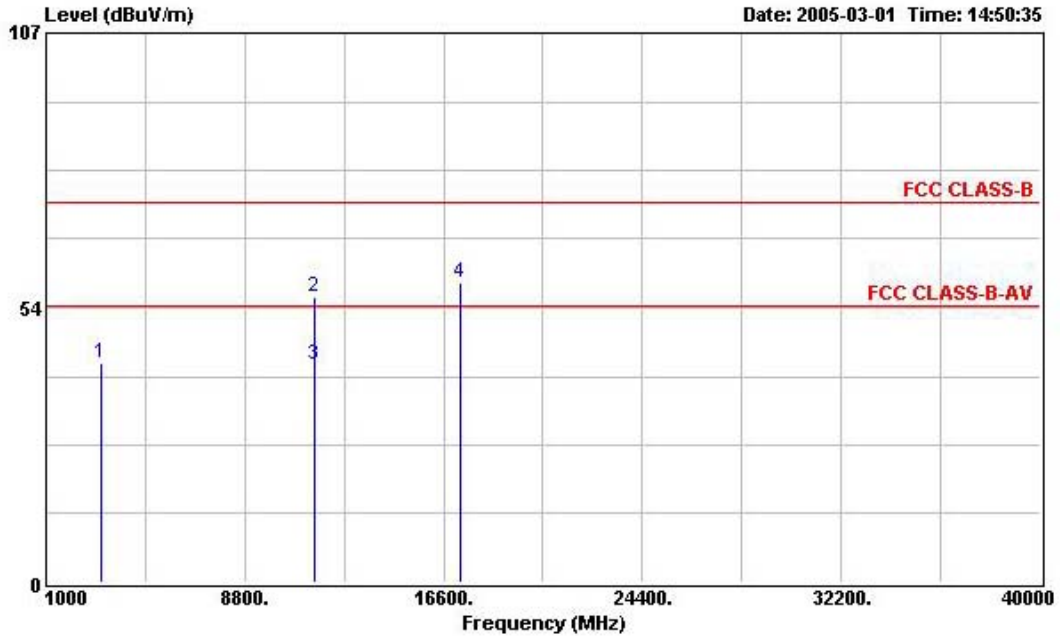
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3190.000	43.80	-30.20	74.00	50.30	30.48	2.26	39.24	Peak	---	---
2	11492.000	52.62	-21.38	74.00	47.37	39.08	4.74	38.57	Peak	---	---
3	11492.000	39.39	-14.61	54.00	34.14	39.08	4.74	38.57	Average	---	---
4	17008.000	56.50	-17.50	74.00	47.99	40.30	5.05	36.84	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3196.000	42.81	-31.19	74.00	49.31	30.48	2.26	39.24	Peak	---	---
2	11512.000	55.67	-18.33	74.00	50.40	39.11	4.73	38.57	Peak	---	---
3	11512.000	42.26	-11.74	54.00	36.99	39.11	4.73	38.57	Average	---	---
4	17280.000	58.40	-15.60	74.00	46.14	42.27	6.62	36.63	Peak	---	---

Note:

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

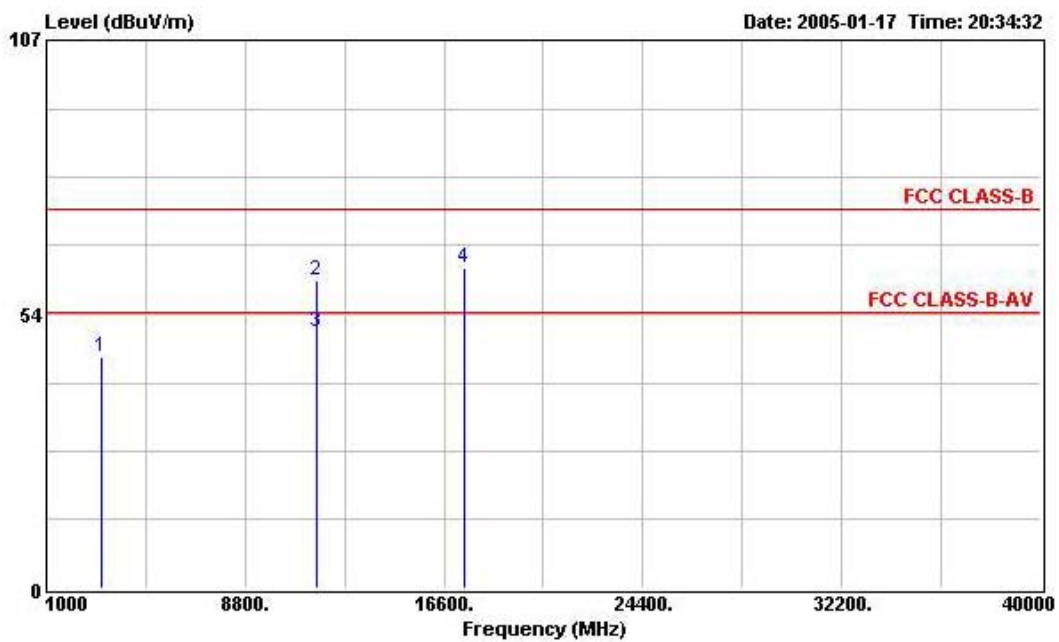
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.8.18. Test Results for CH 108 / 5800 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

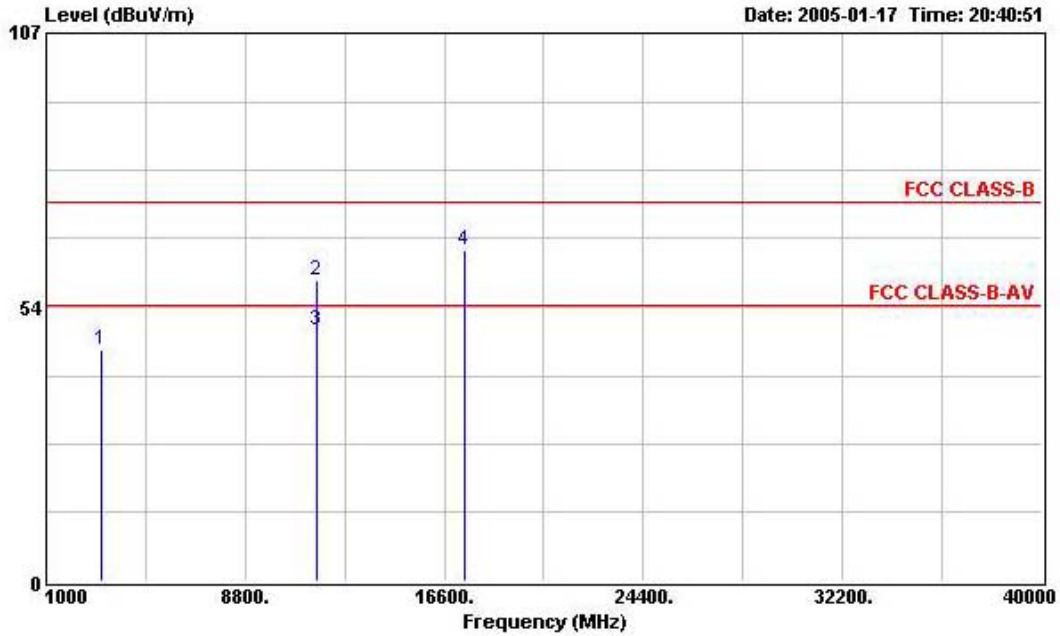
Mode 1

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.12	-28.88	74.00	51.62	30.48	2.26	39.24	Peak	---	---
2	11600.000	60.20	-13.80	74.00	54.88	39.18	4.70	38.56	Peak	---	---
3	11600.000	49.99	-4.01	54.00	44.67	39.18	4.70	38.56	Average	---	---
4	17392.000	62.58	-11.42	74.00	48.57	43.14	7.40	36.53	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.25	-28.75	74.00	51.75	30.48	2.26	39.24	Peak	---	---
2	11592.000	58.78	-15.22	74.00	53.46	39.18	4.70	38.56	Peak	---	---
3	11592.000	48.85	-5.15	54.00	43.53	39.18	4.70	38.56	Average	---	---
4	17404.000	64.45	-9.55	74.00	49.92	43.38	7.66	36.51	Peak	---	---

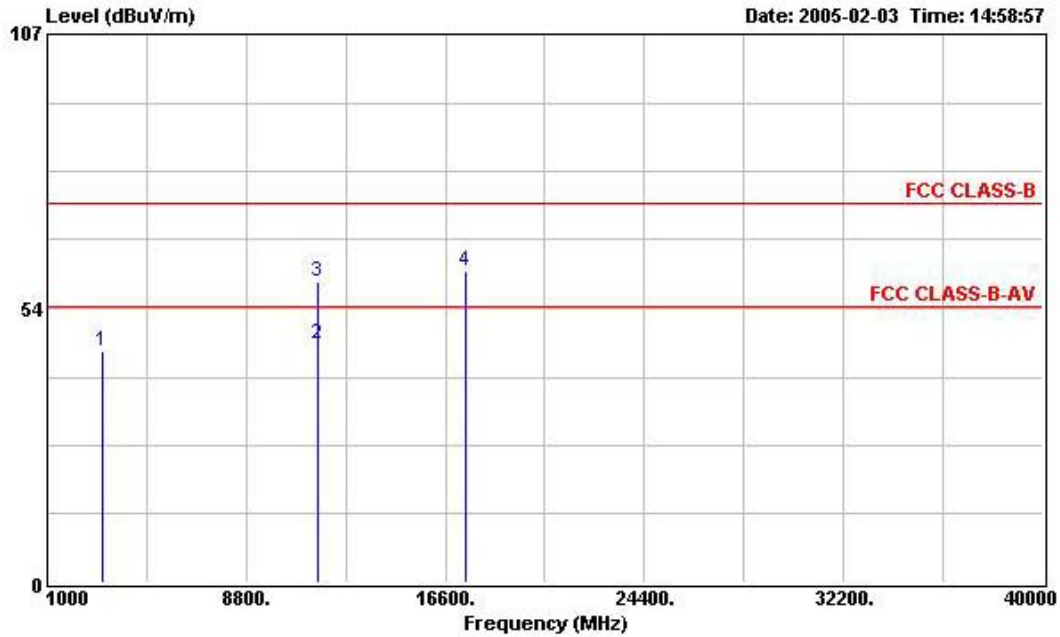
Note:

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

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

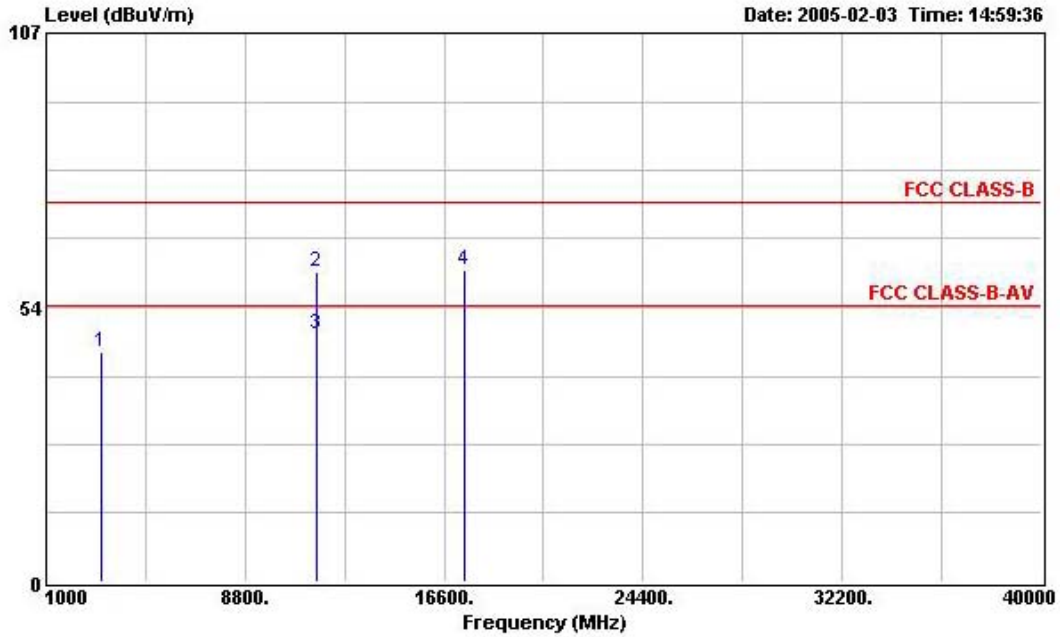
Mode 2

(A) Polarization: Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	45.16	-28.84	74.00	51.66	30.48	2.26	39.24	Peak	---	---
2	11600.000	46.46	-7.54	54.00	41.14	39.18	4.70	38.56	Average	---	---
3	11600.000	58.57	-15.43	74.00	53.25	39.18	4.70	38.56	Peak	---	---
4	17400.000	60.68	-13.32	74.00	46.15	43.38	7.66	36.51	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3188.000	44.77	-29.23	74.00	51.27	30.48	2.26	39.24	Peak	---	---
2	11580.000	60.57	-13.43	74.00	55.26	39.16	4.71	38.56	Peak	---	---
3	11600.000	48.24	-5.76	54.00	42.92	39.18	4.70	38.56	Average	---	---
4	17400.000	60.87	-13.13	74.00	46.34	43.38	7.66	36.51	Peak	---	---

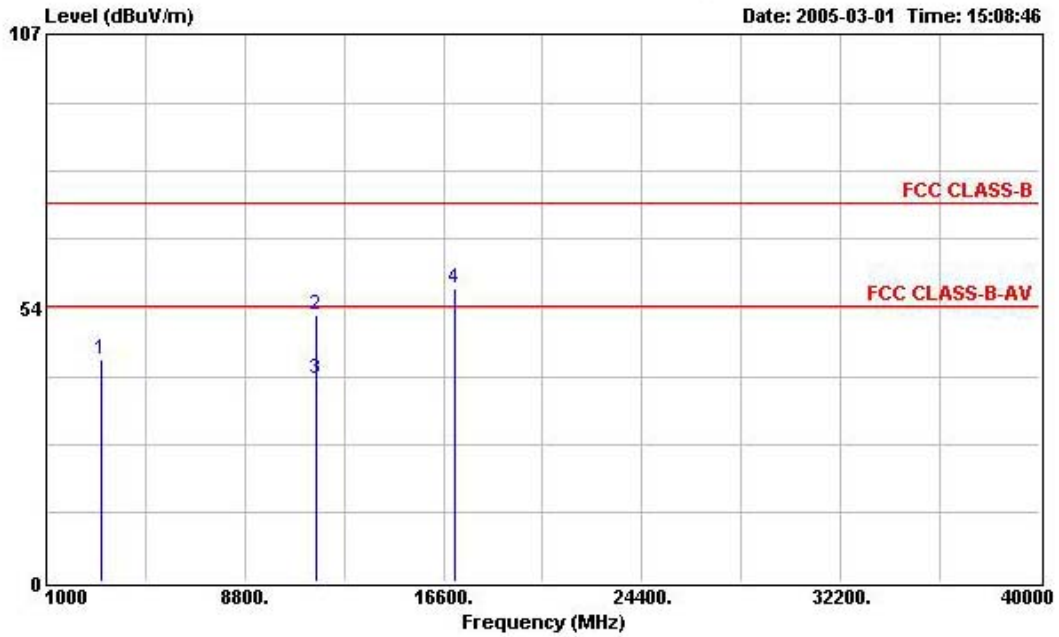
Note:

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

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

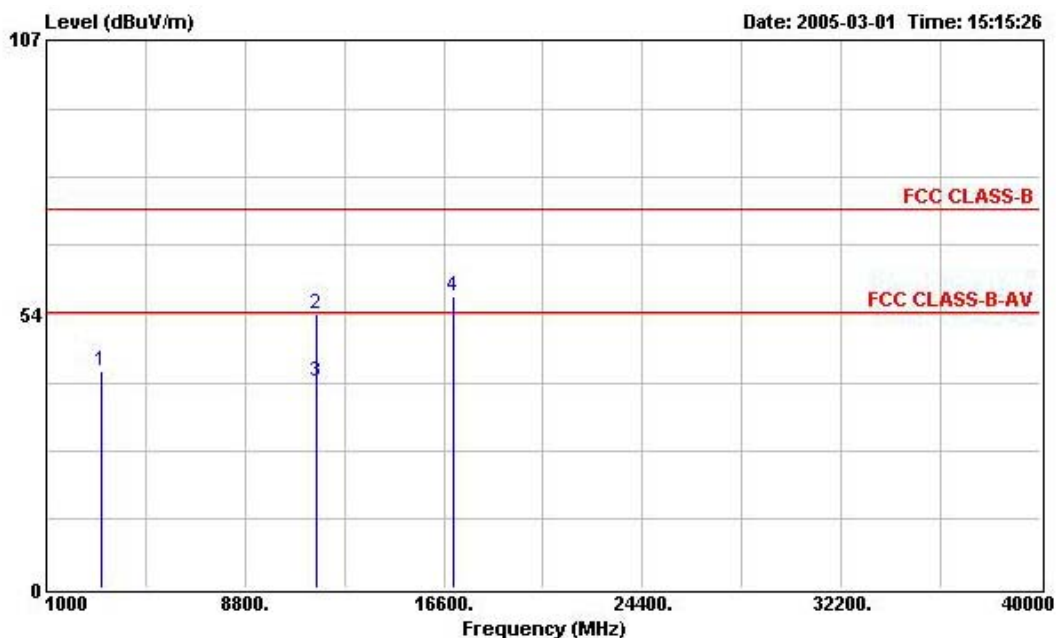
Mode 3

(A) Polarization: Horizontal



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	43.34	-30.66	74.00	49.84	30.48	2.26	39.24	Peak	---	---
2	11600.000	52.02	-21.98	74.00	46.70	39.18	4.70	38.56	Peak	---	---
3	11600.000	39.62	-14.38	54.00	34.30	39.18	4.70	38.56	Average	---	---
4	17036.000	57.32	-16.68	74.00	48.54	40.55	5.05	36.82	Peak	---	---

(B) Polarization: Vertical



	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	3192.000	42.39	-31.61	74.00	48.89	30.48	2.26	39.24	Peak	---	---
2	11608.000	53.33	-20.67	74.00	48.01	39.18	4.70	38.56	Peak	---	---
3	11608.000	40.28	-13.72	54.00	34.96	39.18	4.70	38.56	Average	---	---
4	17000.000	56.96	-17.04	74.00	48.45	40.30	5.05	36.84	Peak	---	---

Note:

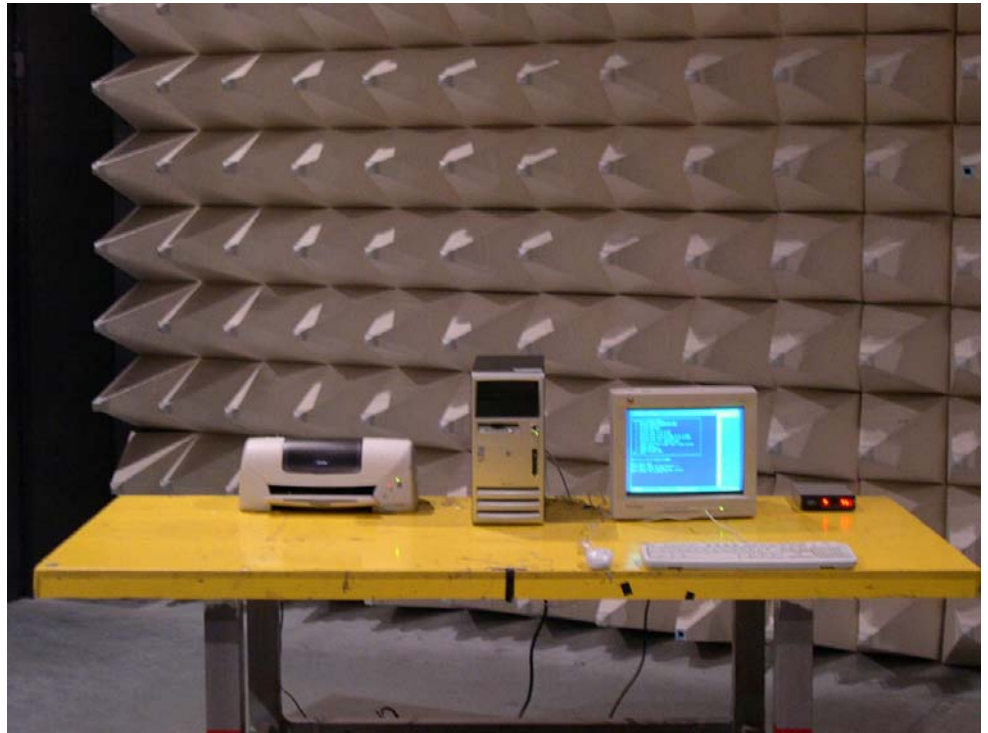
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

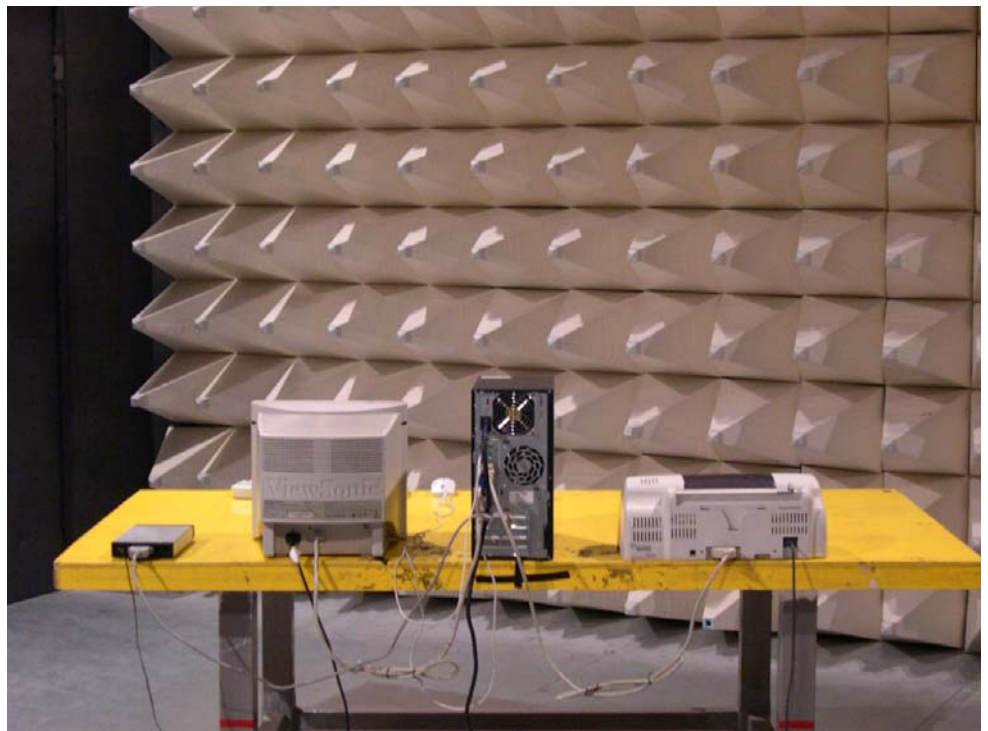
5.8.19. Photographs of Radiated Emission Test Configuration

Mode 1

FRONT VIEW

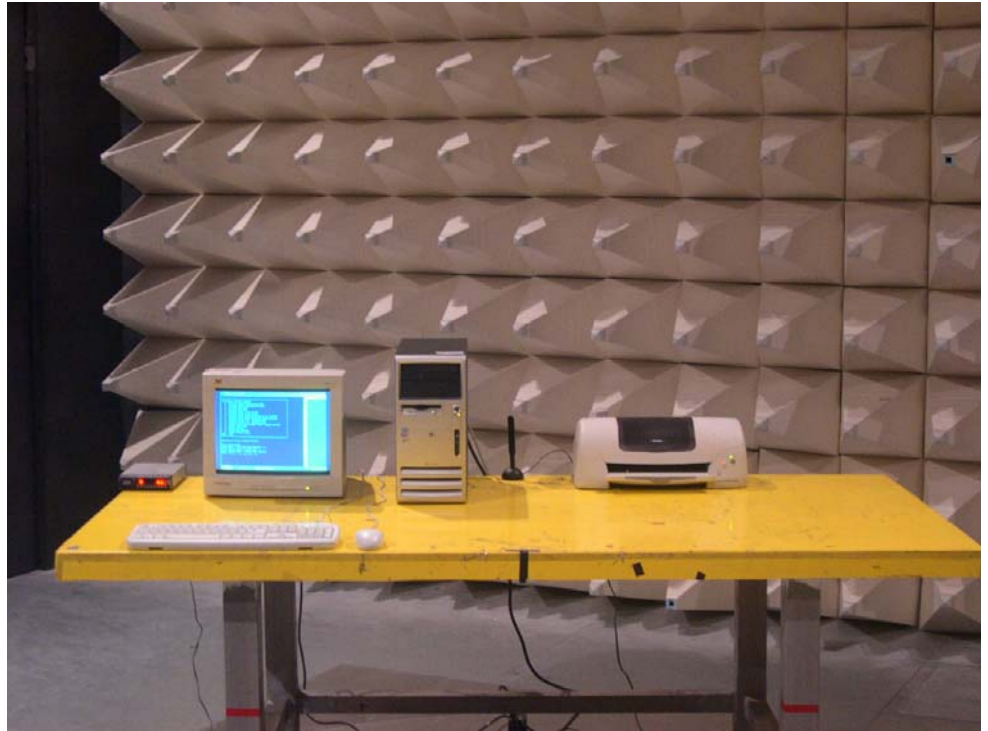


REAR VIEW

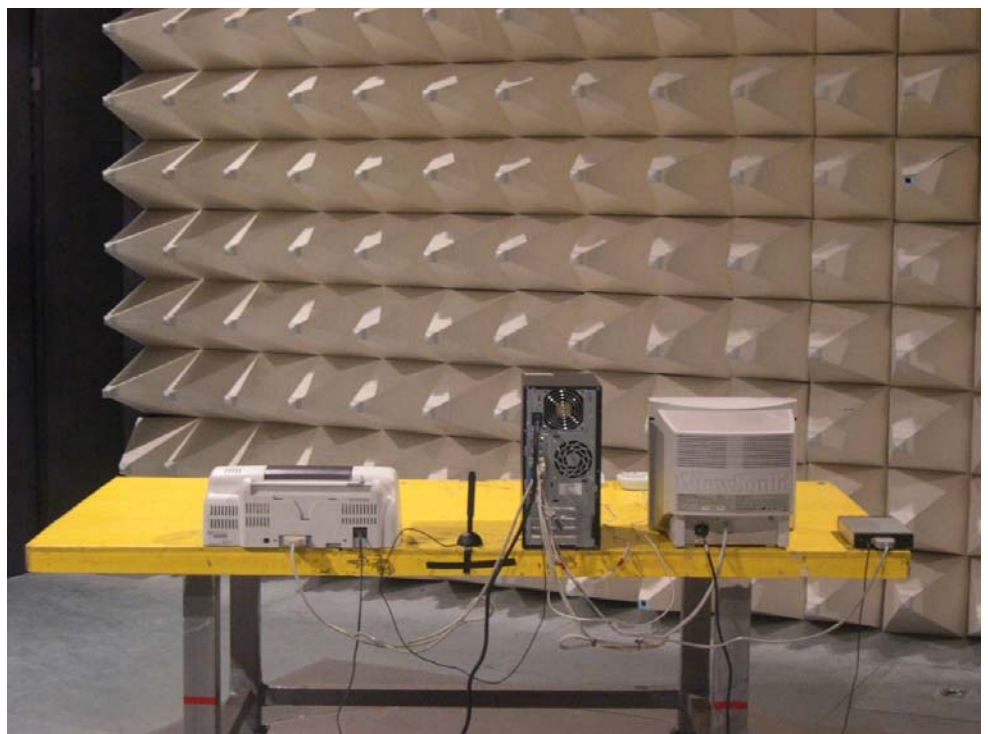


Mode 2

FRONT VIEW

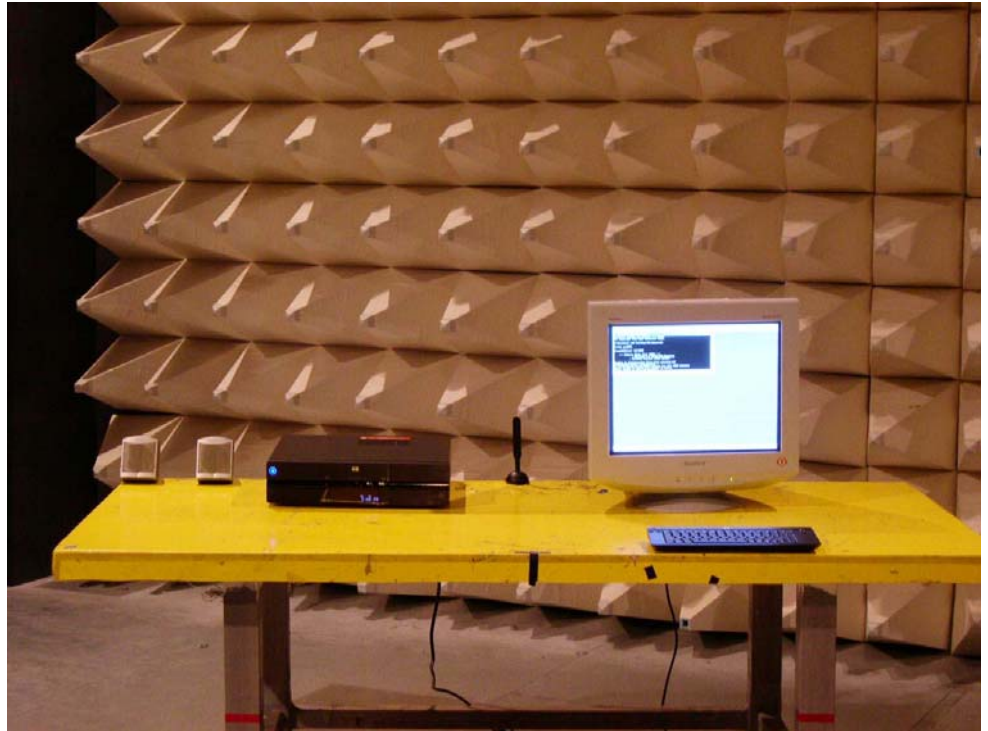


REAR VIEW

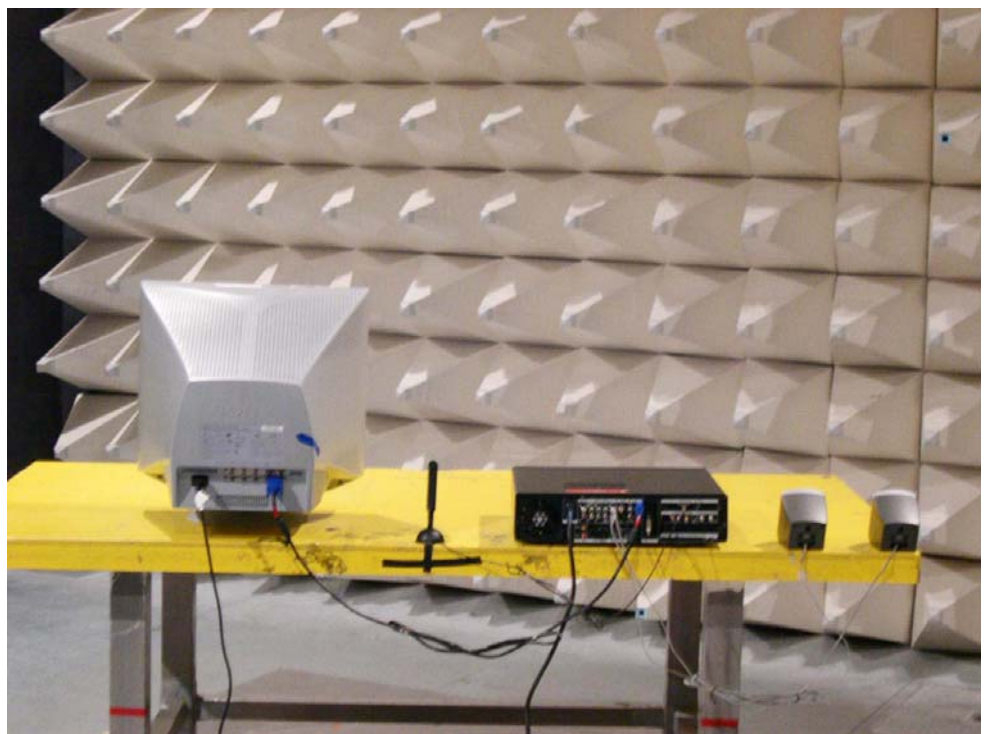


Mode 3

FRONT VIEW



REAR VIEW





5.9. Antenna Requirements

5.9.1. Standard Applicable

47 CFR Part15 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.

47 CFR Part15 Section 15.407:

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

If the intentional radiator is used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

5.9.2. Antenna Connected Construction

4 types of antenna are filed in this project. The connector for Internal antenna is U.F.L. The connector for External antennas is Revised-SMA.

5.10. RF Exposure

5.10.1. Limit For Maximum Permissible Exposure (MPE)

This product can be classified as mobile device, so the 20cm separation distance warning is required. In this section, the power density at 20cm location is calculated to examine if it is lower than the limit.

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

F = frequency in MHz

*Plane-wave equivalent power density

5.10.2. MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } Pd \text{ (mW/cm}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (mW)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=20cm, as well as the gain of the used antenna, the RF power density can be obtained.

5.10.3. Calculated Result and Limit

- **Normal Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Sam Lee

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)
5180 MHz	4.00	4.00	16.54	45.08	0.0359	1
5200 MHz	4.00	4.00	16.29	42.56	0.0339	1
5240 MHz	4.00	4.00	16.68	46.56	0.0371	1
5260 MHz	4.00	4.00	19.48	88.72	0.0706	1
5280 MHz	4.00	4.00	19.99	99.77	0.0794	1
5320 MHz	4.00	4.00	18.66	73.45	0.0585	1
5745 MHz	4.00	4.00	15.37	34.43	0.0274	1
5765 MHz	4.00	4.00	18.36	68.55	0.0546	1
5805 MHz	4.00	4.00	13.55	22.65	0.0180	1

- **Turbo Mode**
- Temperature: 24°C
- Relative Humidity: 51%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)
5210 MHz	4.00	2.51	16.75	47.32	0.0236	1
5250 MHz	4.00	2.51	16.29	42.56	0.0213	1
5290 MHz	4.00	2.51	19.48	88.72	0.0443	1
5760 MHz	4.00	2.51	16.67	46.45	0.0232	1
5800 MHz	4.00	2.51	13.48	22.28	0.0111	1

6. List of Measuring Equipments Used

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
1	EMC Receiver	R&S	ESCS 30	100174	9 KHz – 2.75 GHz	Feb. 15, 2005	Conduction (CO04-HY)
2	LISN	MessTec	NNB-2/16Z	2001/004	9 KHz – 30 MHz	Jun. 09, 2004	Conduction (CO04-HY)
3	LISN (Support Unit)	MessTec	NNB-2/16Z	99041	9 KHz – 30 MHz	Apr. 27, 2004	Conduction (CO04-HY)
4	EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
5	RF Cable-CON	UTIFLEX	3102-26886-4	CB044	9KHz~30MHz	Apr. 21, 2004	Conduction (CO04-HY)
6	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	Jun. 21, 2004	Radiation (03CH03-HY)
7	Spectrum analyzer	R&S	FSP40	100004	9KHz~40GHz	Aug. 31, 2004	Radiation (03CH03-HY)
8	Amplifier	SCHAFFNER	CPA9231A	18667	9KHz – 2GHz	Jan. 10, 2005	Radiation (03CH03-HY)
9	Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30MHz – 200MHz	Jul. 28, 2004	Radiation (03CH03-HY)
10	Log Antenna	SCHWARZBECK	VUSLP 9111	221	200MHz -1GHz	Jul. 28, 2004	Radiation (03CH03-HY)
11	RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	Feb. 22, 2005	Radiation (03CH03-HY)
12	Amplifier	MITEQ	AFS44	849984	100MHz~26.5GHz	Mar. 26, 2004	Radiation (03CH03-HY)
13	Horn Antenna	EMCO	3115	6741	1GHz – 18GHz	Apr. 07, 2004	Radiation (03CH03-HY)
14	Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
15	Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
16	Horn Antenna	Schwarzbeck	BBHA9170	154	18GHz~40GHz	Jun. 09, 2004	Radiation (03CH03-HY)
17	RF Cable-HIGH	Jye Bao	RG142	CB030-HIGH	1GHz~29.5GHz	Dec.01, 2004	Radiation (03CH03-HY)

※ Calibration Interval of instruments listed above is one year.



Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
18	Spectrum analyzer	R&S	FSP30	100023	9KHZ~30GHZ	Aug. 02, 2004	Conducted (TH01-HY)
19	Power meter	R&S	NRVS	100444	DC~40GHz	Jun. 15, 2004	Conducted (TH01-HY)
20	Power sensor	R&S	NRV-Z55	100049	DC~40GHz	Jun. 15, 2004	Conducted (TH01-HY)
21	Power Sensor	R&S	NRV-Z32	100057	30MHz-6GHz	Jun. 15, 2004	Conducted (TH01-HY)
22	AC power source	HPC	HPA-500W	HPA-9100024	AC 0~300V	Jun. 16, 2004	Conducted (TH01-HY)
23	AC power source	G.W.	GPC-6030D	C671845	DC 1V~60V	Nov. 05, 2004	Conducted (TH01-HY)
24	Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Oct. 01, 2004	Conducted (TH01-HY)
25	RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz~7GHz	Jan. 01, 2005	Conducted (TH01-HY)
26	RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz~1GHz	Jan. 01, 2005	Conducted (TH01-HY)

※ Calibration Interval of instruments listed above is one year.