5.8.13. Test Results for CH 12 / 5805 MHz (for emission above 1GHz)

- **Normal Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	5000.000	45.71	-28.29	74.00	49.91	33.32	2.63	40.15	Peak	100	100
2	5000.000	37.14	-36.86	74.00	41.34	33.32	2.63	40.15	Average	100	100
3	11602.000	43.56	-30.44	74.00	38.25	39.18	4.69	38.56	Average	100	100
4	11602.000	51.75	-22.25	74.00	46.44	39.18	4.69	38.56	Peak	100	100
5	17412.000	65.09	-8.91	74.00	52.22	43.38	6.00	36.51	Peak	100	100
6	17412.000	51.86	-22.14	74.00	38.99	43.38	6.00	36.51	Average	100	100

(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	3868.000	54.41	-19.59	74.00	59.29	32.23	2.20	39.31	Peak	100	100
2	3868.000	43.78	-10.22	54.00	48.66	32.23	2.20	39.31	Average	100	100
3	11608.000	45.33	-8.67	54.00	40.02	39.18	4.69	38.56	Average	100	100
4	11608.000	52.87	-21.13	74.00	47.56	39.18	4.69	38.56	Peak	100	100
5	17412.000	64.17	-9.83	74.00	51.30	43.38	6.00	36.51	Peak	100	100
6	17412.000	52.53	-1.47	54.00	39.66	43.38	6.00	36.51	Average	100	100

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	1080.000	38.91	-35.09	74.00	52.59	24.36	1.19	39.23	Peak	---	---
2	1260.000	36.53	-37.47	74.00	49.66	24.70	1.38	39.21	Peak	---	---
3	1440.000	39.74	-34.26	74.00	52.49	24.98	1.46	39.19	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	1080.000	38.97	-35.03	74.00	52.65	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.33	-36.67	74.00	50.46	24.70	1.38	39.21	Peak	---	---
3	1440.000	39.03	-34.97	74.00	51.78	24.98	1.46	39.19	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	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	1080.000	41.64	-32.36	74.00	55.32	24.36	1.19	39.23	Peak	100	100
2	1080.000	33.12	-20.88	54.00	46.80	24.36	1.19	39.23	Average	100	100
3	3868.000	55.37	-18.63	74.00	60.25	32.23	2.20	39.31	Peak	100	100
4	3868.000	51.74	-2.26	54.00	56.62	32.23	2.20	39.31	Average	100	100
5	11610.000	50.57	-23.43	74.00	45.26	39.18	4.69	38.56	Peak	100	100
6	11610.000	43.86	-10.14	54.00	38.55	39.18	4.69	38.56	Average	100	100

(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	1080.000	41.61	-32.39	74.00	55.29	24.36	1.19	39.23	Peak	100	100
2	1080.000	32.97	-21.03	54.00	46.65	24.36	1.19	39.23	Average	100	100
3	3868.000	59.43	-14.57	74.00	64.31	32.23	2.20	39.31	Peak	100	275
4	3868.000	53.00	-1.00	54.00	57.88	32.23	2.20	39.31	Average	100	275
5	11610.000	52.47	-21.53	74.00	47.16	39.18	4.69	38.56	Peak	100	100
6	11610.000	44.93	-9.07	54.00	39.62	39.18	4.69	38.56	Average	100	100

Note:

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

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

Mode 4

(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	1080.000	41.92	-32.08	74.00	55.60	24.36	1.19	39.23	Peak	360	360
2	1080.000	29.46	-24.54	54.00	43.14	24.36	1.19	39.23	Average	360	360
3	12836.000	53.83	-20.17	74.00	48.31	39.15	4.88	38.51	Peak	360	360
4	12836.000	45.00	-9.00	54.00	39.48	39.15	4.88	38.51	Average	360	360
5	17372.000	49.96	-4.04	54.00	37.33	43.14	6.02	36.53	Average	360	360
6	17372.000	60.86	-13.14	74.00	48.23	43.14	6.02	36.53	Peak	360	360

(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	1080.000	38.58	-35.42	74.00	52.26	24.36	1.19	39.23	Peak	---	---
2	1080.000	29.28	-24.72	54.00	42.96	24.36	1.19	39.23	Average	---	---
3	12996.000	54.71	-19.29	74.00	48.92	39.33	4.96	38.50	Peak	---	---
4	12996.000	45.28	-8.72	54.00	39.49	39.33	4.96	38.50	Average	---	---
5	16112.000	44.31	-9.69	54.00	38.44	37.24	6.18	37.55	Average	---	---
6	16112.000	53.84	-20.16	74.00	47.97	37.24	6.18	37.55	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 01 / 5210 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	4992.000	47.01	-26.99	74.00	51.45	33.27	2.44	40.15	Peak	100	100
2	4992.000	38.12	-15.88	54.00	42.56	33.27	2.44	40.15	Average	100	100
3	10426.000	52.06	-21.94	74.00	47.78	38.90	4.00	38.62	Peak	100	100
4	10426.000	44.60	-9.40	54.00	40.32	38.90	4.00	38.62	Average	100	100
5	15688.000	54.80	-19.20	74.00	48.97	37.50	6.18	37.85	Peak	100	100
6	15688.000	45.48	-8.52	54.00	39.65	37.50	6.18	37.85	Average	100	100

(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	5000.000	50.47	-23.53	74.00	54.67	33.32	2.63	40.15	Peak	100	100
2	5000.000	42.79	-11.21	54.00	46.99	33.32	2.63	40.15	Average	100	100
3	10426.000	44.50	-9.50	54.00	40.22	38.90	4.00	38.62	Average	100	100
4	10426.000	55.84	-18.16	74.00	51.56	38.90	4.00	38.62	Peak	100	100
5	15622.000	61.58	-12.42	74.00	56.06	37.63	5.80	37.91	Peak	100	100
6	15622.000	47.27	-6.73	54.00	41.75	37.63	5.80	37.91	Average	100	100

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	1080.000	39.64	-34.36	74.00	53.32	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.75	-36.25	74.00	50.88	24.70	1.38	39.21	Peak	---	---
3	1440.000	41.53	-32.47	74.00	54.28	24.98	1.46	39.19	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	1080.000	37.90	-36.10	74.00	51.58	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.62	-36.38	74.00	50.75	24.70	1.38	39.21	Peak	---	---
3	1440.000	39.90	-34.10	74.00	52.65	24.98	1.46	39.19	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	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	1080.000	40.28	-33.72	74.00	53.96	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.29	-22.71	54.00	44.97	24.36	1.19	39.23	Average	100	100
3	1260.000	37.75	-36.25	74.00	50.88	24.70	1.38	39.21	Peak	100	100
4	1260.000	28.52	-25.48	54.00	41.65	24.70	1.38	39.21	Average	100	100
5	10420.000	55.54	-18.46	74.00	51.26	38.90	4.00	38.62	Peak	100	100
6	10420.000	45.39	-8.61	54.00	41.11	38.90	4.00	38.62	Average	100	100

(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	1080.000	42.81	-31.19	74.00	56.49	24.36	1.19	39.23	Peak	100	100
2	1080.000	34.30	-19.70	54.00	47.98	24.36	1.19	39.23	Average	100	100
3	3472.000	44.72	-29.28	74.00	50.76	31.12	1.80	38.96	Peak	100	100
4	3472.000	35.30	-18.70	54.00	41.34	31.12	1.80	38.96	Average	100	100
5	10420.000	57.97	-16.03	74.00	53.69	38.90	4.00	38.62	Peak	100	100
6	10420.000	52.93	-1.07	54.00	48.65	38.90	4.00	38.62	Average	100	100

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

Mode 4

(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	1080.000	29.56	-24.44	54.00	43.24	24.36	1.19	39.23	Average	100	100
2	1080.000	42.54	-31.46	74.00	56.22	24.36	1.19	39.23	Peak	100	100
3	10420.000	45.82	-8.18	54.00	41.54	38.90	4.00	38.62	Average	100	100
4	10420.000	53.56	-0.44	54.00	49.28	38.90	4.00	38.62	Average	100	100
5	15608.000	54.70	-19.30	74.00	49.18	37.63	5.80	37.91	Peak	0	0
6	15608.000	45.67	-8.33	54.00	40.15	37.63	5.80	37.91	Average	0	0

(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	1080.000	41.80	-32.20	74.00	55.48	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.09	-22.91	54.00	44.77	24.36	1.19	39.23	Average	100	100
3	10424.000	61.34	-12.66	74.00	57.06	38.90	4.00	38.62	Peak	100	360
4	10424.000	50.39	-3.61	54.00	46.11	38.90	4.00	38.62	Average	100	360
5	15636.000	60.28	-13.72	74.00	54.76	37.63	5.80	37.91	Peak	100	0
6	15636.000	45.84	-8.16	54.00	40.32	37.63	5.80	37.91	Average	100	0

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 02 / 5250 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	4936.000	48.02	-25.98	74.00	52.49	33.21	2.47	40.15	Peak	100	100
2	4936.000	39.48	-14.52	54.00	43.95	33.21	2.47	40.15	Average	100	100
3	10492.000	50.21	-23.79	74.00	46.68	38.90	3.25	38.62	Peak	100	0
4	10492.000	41.65	-12.35	54.00	38.12	38.90	3.25	38.62	Average	100	0
5	15742.000	47.64	-6.36	54.00	41.65	37.44	6.37	37.82	Average	100	360
6	15742.000	55.19	-18.81	74.00	49.20	37.44	6.37	37.82	Peak	100	360

(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	4948.000	51.05	-22.95	74.00	55.52	33.21	2.47	40.15	Peak	100	100
2	4948.000	41.76	-12.24	54.00	46.23	33.21	2.47	40.15	Average	100	100
3	10492.000	59.74	-14.26	74.00	56.21	38.90	3.25	38.62	Peak	100	100
4	10492.000	52.49	-1.51	54.00	48.96	38.90	3.25	38.62	Average	100	100
5	15760.000	67.78	-6.22	74.00	61.79	37.44	6.37	37.82	Peak	100	100
6	15760.000	53.22	-0.78	54.00	47.23	37.44	6.37	37.82	Average	100	100

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	1080.000	38.78	-35.22	74.00	52.46	24.36	1.19	39.23	Peak	---	---
2	1260.000	38.15	-35.85	74.00	51.28	24.70	1.38	39.21	Peak	---	---
3	1440.000	40.81	-33.19	74.00	53.56	24.98	1.46	39.19	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	1080.000	37.69	-36.31	74.00	51.37	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.31	-36.69	74.00	50.44	24.70	1.38	39.21	Peak	---	---
3	1440.000	39.68	-34.32	74.00	52.43	24.98	1.46	39.19	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	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	1080.000	40.78	-33.22	74.00	54.46	24.36	1.19	39.23	Peak	100	100
2	1080.000	32.93	-21.07	54.00	46.61	24.36	1.19	39.23	Average	100	100
3	3500.000	45.88	-28.12	74.00	51.69	31.20	1.92	38.93		100	100
4	3500.000	37.70	-16.30	54.00	43.51	31.20	1.92	38.93	Average	100	100
5	10500.000	52.33	-21.67	74.00	48.62	38.90	3.43	38.62	Peak	100	100
6	10500.000	44.73	-9.27	54.00	41.02	38.90	3.43	38.62	Average	100	100

(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	1080.000	41.53	-32.47	74.00	55.21	24.36	1.19	39.23	Peak	100	100
2	1080.000	33.16	-20.84	54.00	46.84	24.36	1.19	39.23	Average	100	100
3	3500.000	47.34	-26.66	74.00	53.15	31.20	1.92	38.93	Peak	100	100
4	3500.000	39.07	-14.93	54.00	44.88	31.20	1.92	38.93	Average	100	100
5	10504.000	61.58	-12.42	74.00	57.87	38.90	3.43	38.62	Peak	100	100
6	10504.000	51.59	-2.41	54.00	47.88	38.90	3.43	38.62	Average	100	100

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

Mode 4

(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	1080.000	41.57	-32.43	74.00	55.25	24.36	1.19	39.23	Peak	360	360
2	1080.000	32.46	-21.54	54.00	46.14	24.36	1.19	39.23	Average	360	360
3	10504.000	54.25	-19.75	74.00	50.54	38.90	3.43	38.62	Peak	100	100
4	10504.000	44.30	-9.70	54.00	40.59	38.90	3.43	38.62	Average	100	100
5	15756.000	56.46	-17.54	74.00	50.47	37.44	6.37	37.82	Peak	100	100
6	15756.000	47.43	-6.57	54.00	41.44	37.44	6.37	37.82	Average	100	100

(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	1080.000	41.16	-32.84	74.00	54.84	24.36	1.19	39.23	Peak	100	100
2	1080.000	29.31	-24.69	54.00	42.99	24.36	1.19	39.23	Average	100	100
3	10500.000	61.28	-12.72	74.00	57.57	38.90	3.43	38.62	Peak	100	100
4	10500.000	51.69	-2.31	54.00	47.98	38.90	3.43	38.62	Average	100	100
5	15756.000	63.72	-10.28	74.00	57.73	37.44	6.37	37.82		0	0
6	15756.000	53.40	-0.60	54.00	47.41	37.44	6.37	37.82	Average	0	0

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 03 / 5290 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	1080.000	33.18	-20.82	54.00	46.86	24.36	1.19	39.23	Average	100	100
2	1080.000	40.52	-33.48	74.00	54.20	24.36	1.19	39.23	Peak	100	100
3	3566.000	39.88	-34.12	74.00	45.32	31.38	2.17	38.99	Peak	100	0
4	3566.000	32.82	-21.18	54.00	38.26	31.38	2.17	38.99	Average	100	0
5	10576.000	52.91	-21.09	74.00	48.89	38.86	3.77	38.61	Peak	100	0
6	10576.000	45.05	-8.95	54.00	41.03	38.86	3.77	38.61	Average	100	0

(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	1080.000	39.84	-34.16	74.00	53.52	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.93	-22.07	54.00	45.61	24.36	1.19	39.23	Average	100	100
3	10582.000	59.38	-14.62	74.00	55.36	38.86	3.77	38.61	Peak	100	360
4	10582.000	46.47	-7.53	54.00	42.45	38.86	3.77	38.61	Average	100	360
5	15862.000	50.40	-3.60	54.00	44.62	37.25	6.25	37.72	Average	100	100
6	15862.000	65.17	-8.83	74.00	59.39	37.25	6.25	37.72	Peak	100	100

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	1080.000	39.94	-34.06	74.00	53.62	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.23	-36.77	74.00	50.36	24.70	1.38	39.21	Peak	---	---
3	1440.000	38.34	-35.66	74.00	51.09	24.98	1.46	39.19	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	1080.000	39.19	-34.81	74.00	52.87	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.72	-36.28	74.00	50.85	24.70	1.38	39.21	Peak	---	---
3	1440.000	40.90	-33.10	74.00	53.65	24.98	1.46	39.19	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	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	1080.000	40.92	-33.08	74.00	54.60	24.36	1.19	39.23	Peak	100	100
2	1080.000	32.83	-21.17	54.00	46.51	24.36	1.19	39.23	Average	100	100
3	3524.000	45.11	-28.89	74.00	50.74	31.29	2.04	38.96	Peak	100	100
4	3524.000	35.59	-18.41	54.00	41.22	31.29	2.04	38.96	Average	100	100
5	10576.000	60.17	-13.83	74.00	56.15	38.86	3.77	38.61	Peak	100	100
6	10576.000	49.13	-4.87	54.00	45.11	38.86	3.77	38.61	Average	100	100

(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	1080.000	33.93	-20.07	54.00	47.61	24.36	1.19	39.23	Average	100	100
2	1080.000	42.64	-31.36	74.00	56.32	24.36	1.19	39.23	Peak	100	100
3	3524.000	37.91	-16.09	54.00	43.54	31.29	2.04	38.96	Average	100	100
4	3524.000	46.91	-27.09	74.00	52.54	31.29	2.04	38.96	Peak	100	100
5	10576.000	62.47	-11.53	74.00	58.45	38.86	3.77	38.61	Peak	100	100
6	10576.000	51.17	-2.83	54.00	47.15	38.86	3.77	38.61	Average	100	100

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

Mode 4

(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	1080.000	42.07	-31.93	74.00	55.75	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.21	-22.79	54.00	44.89	24.36	1.19	39.23	Average	100	100
3	10584.000	46.79	-7.21	54.00	42.77	38.86	3.77	38.61	Average	100	100
4	10584.000	54.33	-19.67	74.00	50.31	38.86	3.77	38.61	Peak	100	100
5	15876.000	56.08	-17.92	74.00	50.30	37.25	6.25	37.72	Peak	0	0
6	15876.000	46.02	-7.98	54.00	40.24	37.25	6.25	37.72	Average	0	0

(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	1080.000	39.18	-34.82	74.00	52.86	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.46	-22.54	54.00	45.14	24.36	1.19	39.23	Average	100	100
3	10588.000	60.99	-13.01	74.00	56.97	38.86	3.77	38.61	Peak	100	0
4	10588.000	49.20	-4.80	54.00	45.18	38.86	3.77	38.61	Average	100	0
5	15868.000	58.93	-15.07	74.00	53.15	37.25	6.25	37.72	Peak	100	100
6	15868.000	51.77	-2.23	54.00	45.99	37.25	6.25	37.72	Average	100	100

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 04 / 5760 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	1080.000	41.76	-32.24	74.00	55.44	24.36	1.19	39.23	Peak	100	360
2	1080.000	31.57	-22.43	54.00	45.25	24.36	1.19	39.23	Average	100	360
3	1260.000	39.84	-34.16	74.00	52.97	24.70	1.38	39.21	Peak	100	360
4	1260.000	29.65	-24.35	54.00	42.78	24.70	1.38	39.21	Average	100	360
5	3840.000	49.01	-24.99	74.00	54.14	32.10	2.06	39.29	Peak	200	200
6	3840.000	37.99	-16.01	54.00	43.12	32.10	2.06	39.29	Average	200	200

(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	1080.000	39.95	-34.05	74.00	53.63	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.63	-22.37	54.00	45.31	24.36	1.19	39.23	Average	100	100
3	3840.000	55.43	-18.57	74.00	60.56	32.10	2.06	39.29	Peak	200	200
4	3840.000	52.30	-1.70	54.00	57.43	32.10	2.06	39.29	Average	200	200
5	11518.000	56.16	-17.84	74.00	51.09	39.11	4.53	38.57	Peak	200	200
6	11518.000	51.34	-2.66	54.00	46.27	39.11	4.53	38.57	Average	200	200

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	1080.000	39.17	-34.83	74.00	52.85	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.33	-36.67	74.00	50.46	24.70	1.38	39.21	Peak	---	---
3	1440.000	40.93	-33.07	74.00	53.68	24.98	1.46	39.19	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	1080.000	41.64	-32.36	74.00	55.32	24.36	1.19	39.23	Peak	---	---
2	1260.000	38.43	-35.57	74.00	51.56	24.70	1.38	39.21	Peak	---	---
3	1260.000	38.65	-35.35	74.00	51.78	24.70	1.38	39.21	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	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	1080.000	41.22	-32.78	74.00	54.90	24.36	1.19	39.23	Peak	100	100
2	1080.000	33.16	-20.84	54.00	46.84	24.36	1.19	39.23	Average	100	100
3	3840.000	55.42	-18.58	74.00	60.55	32.10	2.06	39.29	Peak	100	100
4	3840.000	48.52	-5.48	54.00	53.65	32.10	2.06	39.29	Average	100	100
5	11520.000	53.59	-20.41	74.00	48.52	39.11	4.53	38.57	Peak	100	100
6	11520.000	44.33	-9.67	54.00	39.26	39.11	4.53	38.57	Average	100	100

(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	1080.000	41.92	-32.08	74.00	55.60	24.36	1.19	39.23	Peak	100	100
2	1080.000	32.63	-21.37	54.00	46.31	24.36	1.19	39.23	Average	100	100
3	3840.000	56.57	-17.43	74.00	61.70	32.10	2.06	39.29	Peak	100	100
4	3840.000	51.19	-2.81	54.00	56.32	32.10	2.06	39.29	Average	100	100
5	11520.000	54.67	-19.33	74.00	49.60	39.11	4.53	38.57	Peak	100	100
6	11520.000	46.40	-7.60	54.00	41.33	39.11	4.53	38.57	Average	100	100

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

Mode 4

(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	1080.000	42.21	-31.79	74.00	55.89	24.36	1.19	39.23	Peak	360	360
2	1080.000	32.31	-21.69	54.00	45.99	24.36	1.19	39.23	Average	360	360
3	12784.000	53.82	-20.18	74.00	48.20	39.13	5.00	38.51	Peak	100	100
4	12784.000	46.23	-7.77	54.00	40.61	39.13	5.00	38.51	Average	100	100
5	17280.000	60.45	-13.55	74.00	48.69	42.27	6.12	36.63	Peak	100	100
6	17280.000	52.06	-1.94	54.00	40.30	42.27	6.12	36.63	Average	100	100

(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	1080.000	38.89	-35.11	74.00	52.57	24.36	1.19	39.23	Peak	100	100
2	1080.000	27.77	-26.23	54.00	41.45	24.36	1.19	39.23	Average	100	100
3	11524.000	45.56	-8.44	54.00	40.49	39.11	4.53	38.57	Average	100	100
4	11524.000	56.32	-17.68	74.00	51.25	39.11	4.53	38.57	Peak	100	100
5	17276.000	62.04	-11.96	74.00	50.28	42.27	6.12	36.63	Peak	360	360
6	17276.000	53.66	-0.34	54.00	41.90	42.27	6.12	36.63	Average	360	360

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 05 / 5800 MHz (for emission above 1GHz)

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

(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	1080.000	42.08	-31.92	74.00	55.76	24.36	1.19	39.23	Peak	200	200
2	3868.000	50.45	-23.55	74.00	55.33	32.23	2.20	39.31	Peak	100	100
3	3868.000	40.45	-13.55	54.00	45.33	32.23	2.20	39.31	Average	100	100
4	10072.000	51.64	-22.36	74.00	47.66	38.90	3.72	38.64	Peak	100	100
5	10072.000	41.86	-12.14	54.00	37.88	38.90	3.72	38.64	Average	100	100

(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	1080.000	40.94	-33.06	74.00	54.62	24.36	1.19	39.23	Peak	100	19
2	1385.000	43.18	-30.82	74.00	56.12	24.91	1.34	39.19	Peak	100	19
3	3868.000	57.59	-16.41	74.00	62.47	32.23	2.20	39.31	Peak	200	200
4	3868.000	53.88	-0.12	54.00	58.76	32.23	2.20	39.31	Average	200	200

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	1080.000	39.58	-34.42	74.00	53.26	24.36	1.19	39.23	Peak	---	---
2	1260.000	38.09	-35.91	74.00	51.22	24.70	1.38	39.21	Peak	---	---
3	1440.000	40.27	-33.73	74.00	53.02	24.98	1.46	39.19	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	1080.000	41.99	-32.01	74.00	55.67	24.36	1.19	39.23	Peak	---	---
2	1260.000	37.51	-36.49	74.00	50.64	24.70	1.38	39.21	Peak	---	---
3	1440.000	41.23	-32.77	74.00	53.98	24.98	1.46	39.19	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	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	1080.000	39.55	-34.45	74.00	53.23	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.53	-22.47	54.00	45.21	24.36	1.19	39.23	Average	100	100
3	3868.000	53.44	-20.56	74.00	58.32	32.23	2.20	39.31	Peak	100	100
4	3868.000	46.35	-7.65	54.00	51.23	32.23	2.20	39.31	Average	100	100
5	11600.000	49.63	-24.37	74.00	44.32	39.18	4.69	38.56	Peak	100	100
6	11600.000	42.87	-11.13	54.00	37.56	39.18	4.69	38.56	Average	100	100

(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	1080.000	42.19	-31.81	74.00	55.87	24.36	1.19	39.23	Peak	100	100
2	1080.000	32.57	-21.43	54.00	46.25	24.36	1.19	39.23	Average	100	100
3	3868.000	56.39	-17.61	74.00	61.27	32.23	2.20	39.31	Peak	100	100
4	3868.000	52.57	-1.43	54.00	57.45	32.23	2.20	39.31	Average	100	100
5	11600.000	50.82	-23.18	74.00	45.51	39.18	4.69	38.56	Peak	100	100
6	11600.000	43.54	-10.46	54.00	38.23	39.18	4.69	38.56	Average	100	100

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

Mode 4

(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	1080.000	41.72	-32.28	74.00	55.40	24.36	1.19	39.23	Peak	100	100
2	1080.000	31.97	-22.03	54.00	45.65	24.36	1.19	39.23	Average	100	100
3	12874.000	45.65	-8.35	54.00	40.17	39.18	4.80	38.50	Average	100	100
4	12874.000	54.05	-19.95	74.00	48.57	39.18	4.80	38.50	Peak	100	100
5	16716.000	55.56	-18.44	74.00	47.93	39.14	5.55	37.06	Peak	100	100
6	16716.000	46.63	-7.37	54.00	39.00	39.14	5.55	37.06	Average	100	100

(B) Polarization: Vertical

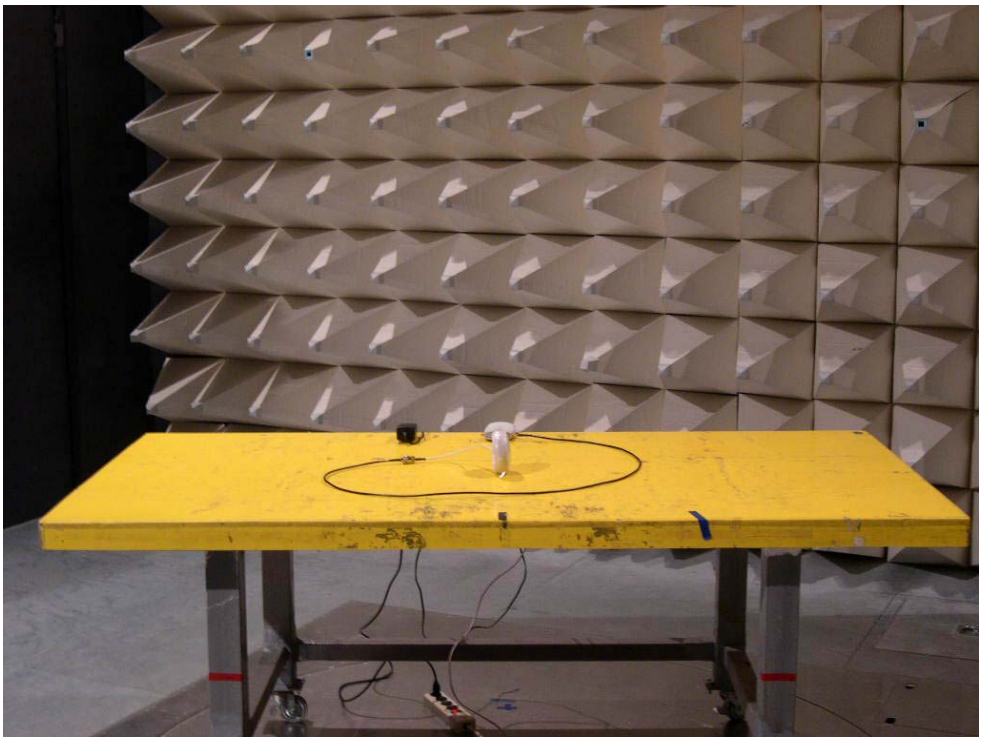
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1080.000	40.92	-33.08	74.00	54.60	24.36	1.19	39.23	Peak	100	100
2	1080.000	30.49	-23.51	54.00	44.17	24.36	1.19	39.23	Average	100	100
3	12874.000	53.93	-20.07	74.00	48.45	39.18	4.80	38.50	Peak	100	360
4	12874.000	46.33	-7.67	54.00	40.85	39.18	4.80	38.50	Average	100	360
5	16084.000	53.88	-20.12	74.00	48.01	37.24	6.18	37.55	Peak	100	100
6	16084.000	45.89	-8.11	54.00	40.02	37.24	6.18	37.55	Average	100	100

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

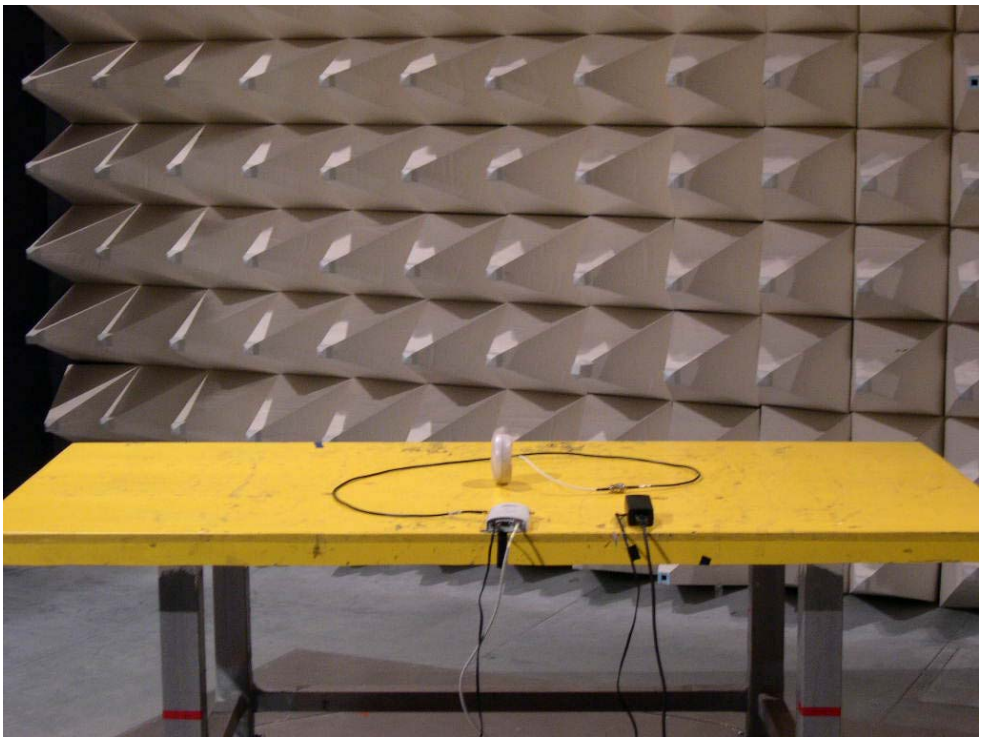
5.8.19. Photographs of Radiated Emission Test Configuration

Mode 1

FRONT VIEW

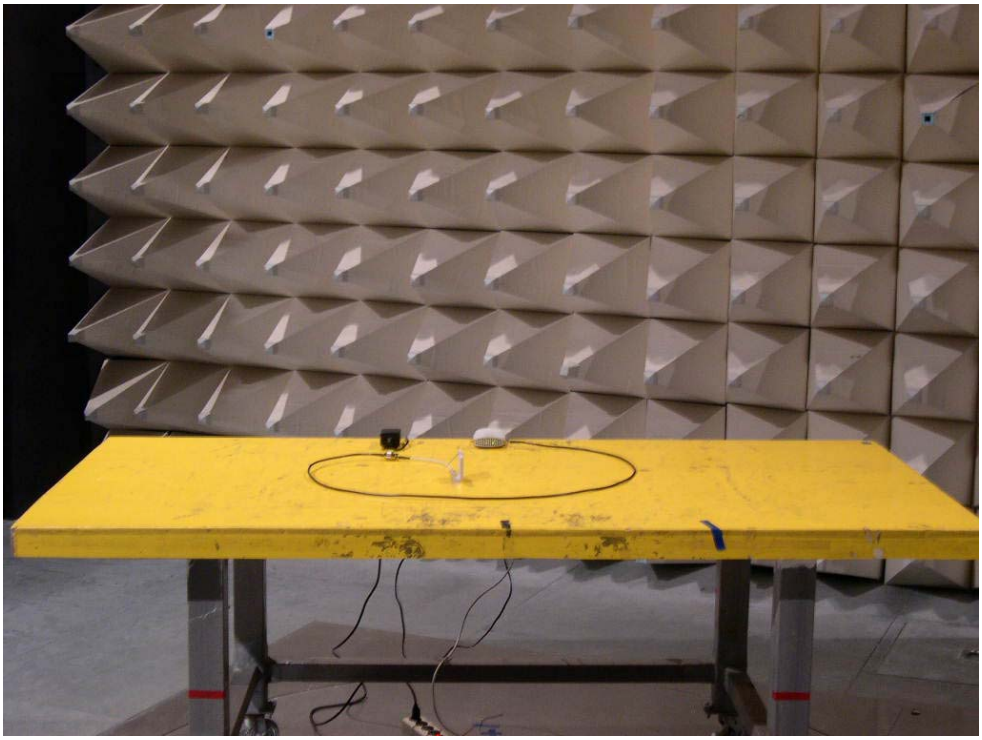


REAR VIEW

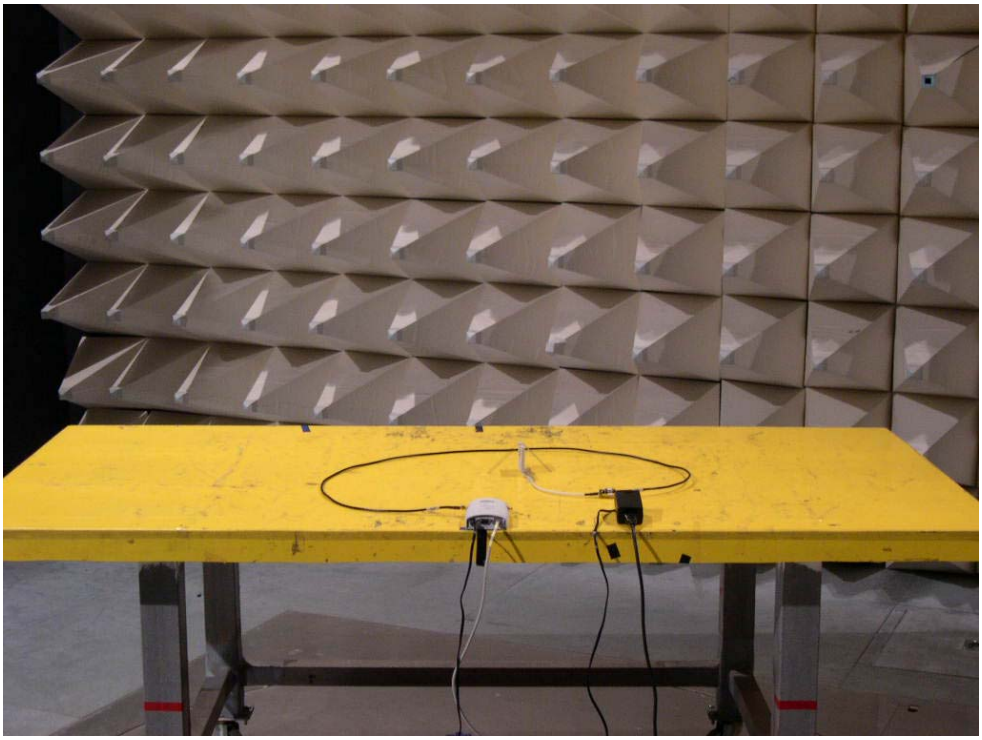


Mode 2

FRONT VIEW



REAR VIEW



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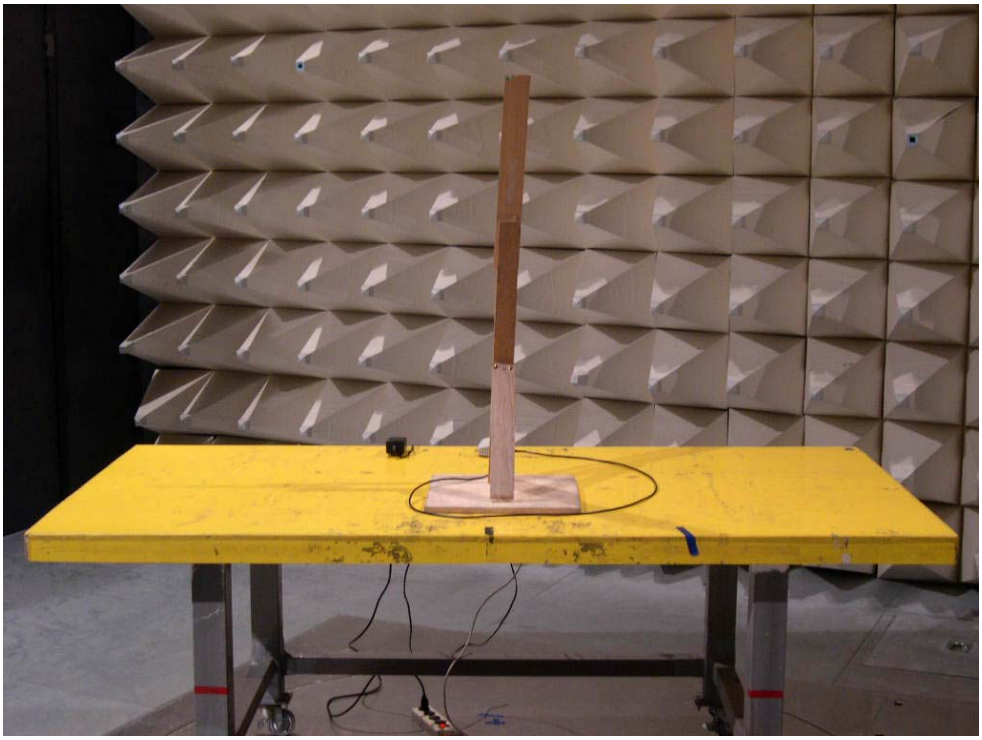
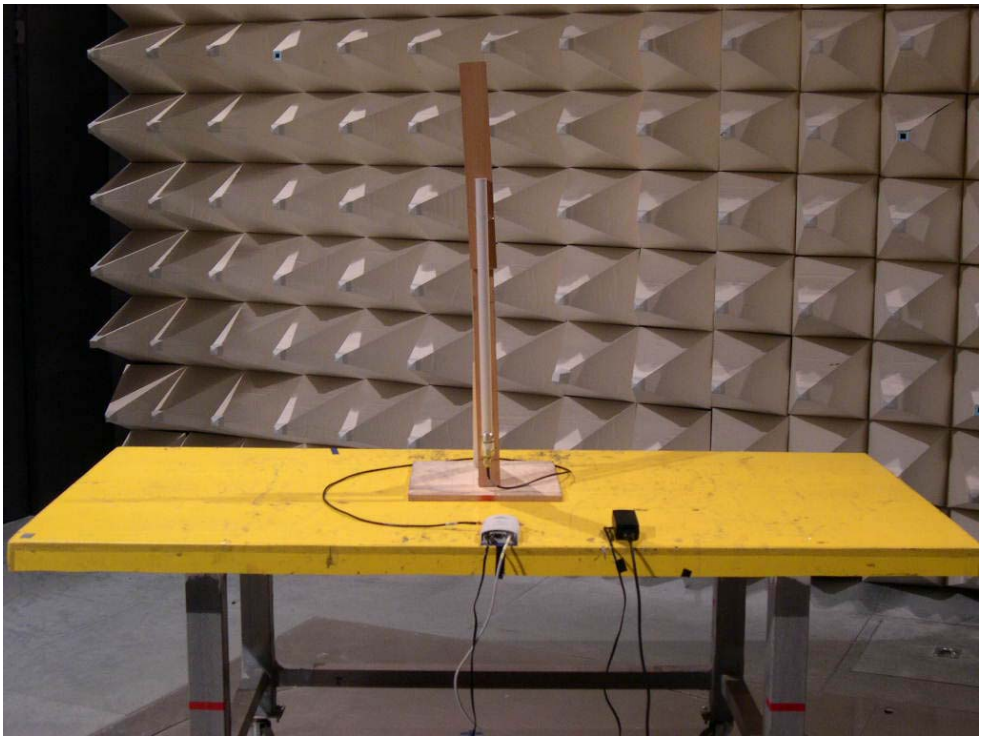
Mode 3

FRONT VIEW



REAR VIEW



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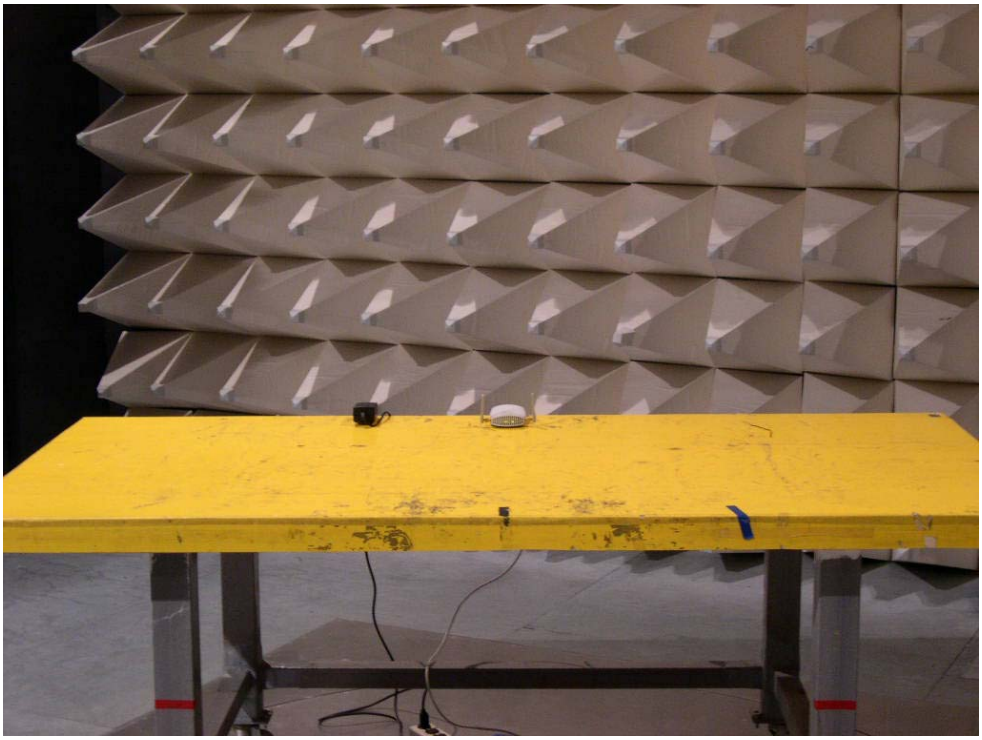
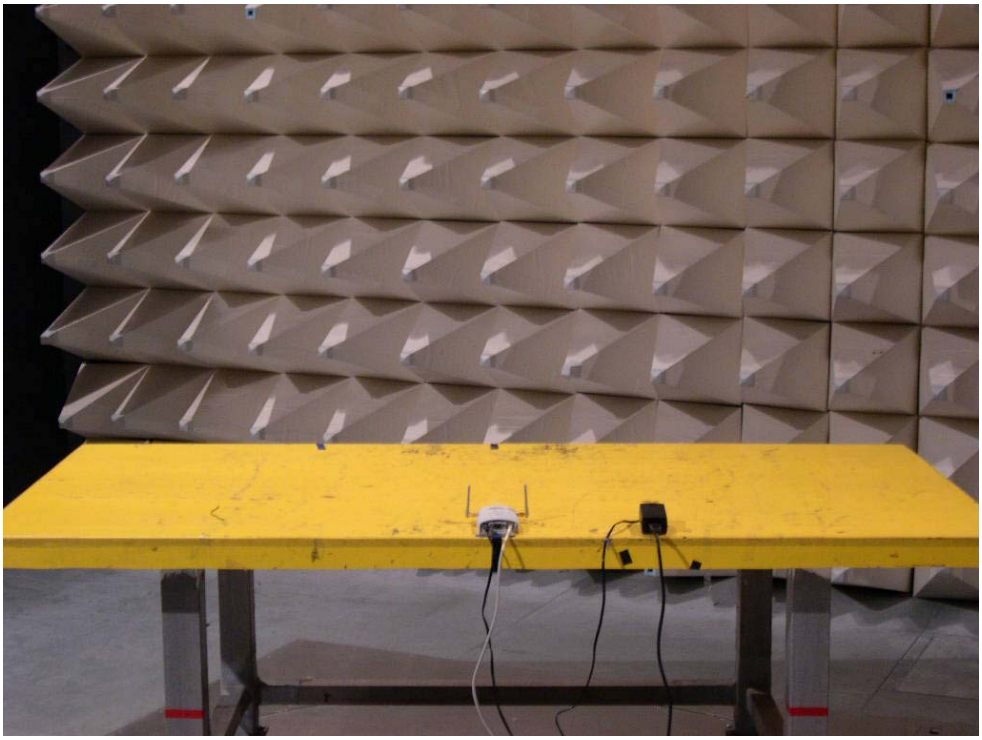
Mode 4

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 these 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/ cm²)	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/cm²)	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

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

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: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

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	2.51	14.77	29.99	0.0150	1
5200 MHz	4.00	2.51	14.91	30.97	0.0155	1
5240 MHz	4.00	2.51	14.28	26.79	0.0134	1
5260 MHz	4.00	2.51	21.26	133.66	0.0668	1
5280 MHz	4.00	2.51	21.40	138.04	0.0690	1
5320 MHz	4.00	2.51	15.21	33.19	0.0166	1
5745 MHz	4.00	2.51	13.08	20.32	0.0102	1
5765 MHz	4.00	2.51	23.44	220.80	0.1103	1
5805 MHz	4.00	2.51	13.96	24.89	0.0124	1

Mode 2

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	6.00	3.98	14.71	29.58	0.0234	1
5200 MHz	6.00	3.98	14.91	30.97	0.0245	1
5240 MHz	6.00	3.98	14.28	26.79	0.0212	1
5260 MHz	6.00	3.98	21.26	133.66	0.1059	1
5280 MHz	6.00	3.98	21.40	138.04	0.1094	1
5320 MHz	6.00	3.98	15.21	33.19	0.0263	1
5745 MHz	6.00	3.98	13.08	20.32	0.0161	1
5765 MHz	6.00	3.98	23.44	220.80	0.1749	1
5805 MHz	6.00	3.98	13.96	24.89	0.0197	1

Mode 3

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	8.00	6.31	14.71	29.58	0.0372	1
5200 MHz	8.00	6.31	14.91	30.97	0.0389	1
5240 MHz	8.00	6.31	14.28	26.79	0.0336	1
5260 MHz	8.00	6.31	21.26	133.66	0.1679	1
5280 MHz	8.00	6.31	21.40	138.04	0.1734	1
5320 MHz	8.00	6.31	15.21	33.19	0.0417	1
5745 MHz	8.00	6.31	13.08	20.32	0.0255	1
5765 MHz	8.00	6.31	23.44	220.80	0.2773	1
5805 MHz	8.00	6.31	13.96	24.89	0.0313	1

Mode 4

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	2.50	1.78	14.71	29.58	0.0105	1
5200 MHz	2.50	1.78	14.91	30.97	0.0110	1
5240 MHz	2.50	1.78	14.28	26.79	0.0095	1
5260 MHz	2.50	1.78	21.26	133.66	0.0474	1
5280 MHz	2.50	1.78	21.40	138.04	0.0489	1
5320 MHz	2.50	1.78	15.21	33.19	0.0118	1
5745 MHz	2.50	1.78	13.08	20.32	0.0072	1
5765 MHz	2.50	1.78	23.44	220.80	0.0782	1
5805 MHz	2.50	1.78	13.96	24.89	0.0088	1

- **Turbo Mode**
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Ted Chiu

Mode 1

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	14.31	26.98	0.0135	1
5250 MHz	4.00	2.51	14.30	26.92	0.0134	1
5290 MHz	4.00	2.51	18.19	65.92	0.0329	1
5760 MHz	4.00	2.51	17.30	53.70	0.0268	1
5800 MHz	4.00	2.51	11.37	13.71	0.0068	1

Mode 2

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	6.00	3.98	14.31	26.98	0.0214	1
5250 MHz	6.00	3.98	14.30	26.92	0.0213	1
5290 MHz	6.00	3.98	18.19	65.92	0.0522	1
5760 MHz	6.00	3.98	17.30	53.70	0.0425	1
5800 MHz	6.00	3.98	11.37	13.71	0.0109	1

Mode 3

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	8.00	6.31	14.31	26.98	0.0339	1
5250 MHz	8.00	6.31	14.30	26.92	0.0338	1
5290 MHz	8.00	6.31	18.19	65.92	0.0828	1
5760 MHz	8.00	6.31	17.30	53.70	0.0674	1
5800 MHz	8.00	6.31	11.37	13.71	0.0172	1

Mode 4

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	2.50	1.78	14.31	26.98	0.0096	1
5250 MHz	2.50	1.78	14.30	26.92	0.0095	1
5290 MHz	2.50	1.78	18.19	65.92	0.0234	1
5760 MHz	2.50	1.78	17.30	53.70	0.0190	1
5800 MHz	2.50	1.78	11.37	13.71	0.0049	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. 16, 2004	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	HP	8447D	2944A09072	100KHz – 1.3GHz	Nov. 05, 2003	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	Dec. 03, 2003	Radiation (03CH03-HY)
12	Amplifier	MITEQ	AFS44	849984	100MHz~26.5GHz	Mar. 26, 2004	Radiation (03CH03-HY)
13	Horn Antenna	EMCO	3115	6821	1GHz – 18GHz	Sep. 11, 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. 05, 2003	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	FSP7	838858/014	9KHZ~7GHZ	Sep. 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. 06, 2003	Conducted (TH01-HY)
24	Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Sep. 30, 2004	Conducted (TH01-HY)
25	RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz~7GHz	Jan. 01, 2004	Conducted (TH01-HY)
26	RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz~1GHz	Jan. 01, 2004	Conducted (TH01-HY)

※ Calibration Interval of instruments listed above is one year.