

5.6. Test Result of Radiated Emission

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 1 (1Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4823.949	6.27	33.50	34.77	43.09	48.09	25.91	74.00
7236.400	8.32	36.24	34.90	43.45	< 53.11	20.89	74.00
9648.951	10.18	37.43	35.10	44.08	< 56.59	17.41	74.00
Average Detector (Horizontal)							
9648.855	10.17	37.43	35.10	34.52	< 47.01	6.99	54.00
Peak Detector (Vertical)							
4823.849	6.27	33.50	34.77	48.36	53.36	20.64	74.00
7236.901	8.32	36.24	34.90	43.38	< 53.04	20.96	74.00
9649.251	10.18	37.43	35.10	44.38	< 56.89	17.11	74.00
Average Detector (Vertical)							
9648.567	10.17	37.43	35.10	34.47	< 46.96	7.04	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 1 (2Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4825.002	6.27	33.50	34.77	43.79	48.79	25.21	74.00
7237.603	8.32	36.24	34.90	44.00	< 53.66	20.34	74.00
9648.901	10.18	37.43	35.10	45.15	< 57.66	16.34	74.00
Average Detector (Horizontal)							
9647.653	10.17	37.43	35.10	36.20	< 48.69	5.31	54.00
Peak Detector (Vertical)							
4824.100	6.27	33.50	34.77	47.42	52.42	21.58	74.00
7238.004	8.32	36.24	34.90	44.60	< 54.26	19.74	74.00
9649.102	10.18	37.43	35.10	45.28	< 57.79	16.21	74.00
Average Detector (Vertical)							
7236.879	8.32	36.24	34.90	34.26	< 43.92	10.08	54.00
9650.123	10.18	37.43	35.10	36.20	< 48.71	5.29	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 1 (5.5Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4823.849	6.27	33.50	34.77	45.03	50.03	23.97	74.00
7235.549	8.32	36.24	34.90	44.32	< 53.98	20.02	74.00
9647.489	10.17	37.43	35.10	44.53	< 57.02	16.98	74.00
Average Detector (Horizontal)							
9647.658	10.17	37.43	35.10	33.50	< 45.99	8.01	54.00
Peak Detector (Vertical)							
4824.150	6.27	33.50	34.77	47.64	52.64	21.36	74.00
7236.350	8.32	36.24	34.90	44.74	< 54.40	19.60	74.00
9649.452	10.18	37.43	35.10	46.01	< 58.52	15.48	74.00
Average Detector (Vertical)							
7236.859	8.32	36.24	34.90	37.20	< 46.86	7.14	54.00
9648.652	10.17	37.43	35.10	30.25	< 42.74	11.26	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 1 (11Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4824.768	6.27	33.50	34.77	43.22	48.22	25.78	74.00
7236.350	8.32	36.24	34.90	43.47	< 53.13	20.87	74.00
9647.248	10.17	37.43	35.10	44.76	< 57.25	16.75	74.00
Average Detector (Horizontal)							
9647.564	10.17	37.43	35.10	36.20	< 48.69	5.31	54.00
Peak Detector (Vertical)							
4824.150	6.27	33.50	34.77	48.40	53.40	20.60	74.00
7236.050	8.32	36.24	34.90	43.51	< 53.17	20.83	74.00
9648.350	10.18	37.43	35.10	44.60	< 57.11	16.89	74.00
Average Detector (Vertical)							
9648.568	10.17	37.43	35.10	34.60	< 47.09	6.91	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 6 (1Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4874.050	6.32	33.56	34.75	42.60	47.73	26.27	74.00
7311.350	8.38	36.31	34.90	43.38	< 53.16	20.84	74.00
9747.549	10.25	37.45	35.10	44.55	< 57.15	16.85	74.00
Average Detector (Horizontal)							
9747.654	10.25	37.45	35.10	37.20	< 49.80	4.20	54.00
Peak Detector (Vertical)							
4874.299	6.32	33.56	34.75	45.80	50.93	23.07	74.00
7310.698	8.38	36.31	34.90	44.56	< 54.34	19.66	74.00
9748.391	10.25	37.45	35.10	45.00	< 57.60	16.40	74.00
Average Detector (Vertical)							
7311.231	8.38	36.31	34.90	38.60	< 48.38	5.62	54.00
9749.562	10.25	37.45	35.10	33.10	< 45.70	8.30	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 6 (2Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4875.302	6.32	33.56	34.75	44.25	49.38	24.62	74.00
7312.953	8.38	36.31	34.90	44.14	< 53.92	20.08	74.00
9752.107	10.25	37.45	35.10	44.94	< 57.54	16.46	74.00
Average Detector (Horizontal)							
9752.654	10.25	37.45	35.10	35.65	< 48.25	5.75	54.00
Peak Detector (Vertical)							
4873.400	6.32	33.56	34.75	47.07	52.20	21.80	74.00
7312.753	8.38	36.31	34.90	44.21	< 53.99	20.01	74.00
9751.707	10.25	37.45	35.10	44.81	< 57.41	16.59	74.00
Average Detector (Vertical)							
9752.230	10.25	37.45	35.10	34.60	< 47.20	6.80	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 6(5.5Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4874.743	6.32	33.56	34.75	44.67	49.80	24.20	74.00
7312.272	8.38	36.31	34.90	44.19	< 53.97	20.03	74.00
9749.801	10.25	37.45	35.10	45.88	< 58.48	15.52	74.00
Average Detector (Horizontal)							
9750.123	10.25	37.45	35.10	32.20	< 44.80	9.20	54.00
Peak Detector (Vertical)							
4873.919	6.32	33.56	34.75	47.63	52.76	21.24	74.00
7312.272	8.38	36.31	34.90	43.90	< 53.68	20.32	74.00
9749.409	10.25	37.45	35.10	44.31	< 56.91	17.09	74.00
Average Detector (Vertical)							
9749.523	10.25	37.45	35.10	35.90	< 48.50	5.50	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 6 (11Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4873.849	6.32	33.56	34.75	43.21	48.34	25.66	74.00
7310.448	8.38	36.31	34.90	43.58	< 53.36	20.64	74.00
9747.749	10.25	37.45	35.10	44.07	< 56.67	17.33	74.00
Average Detector (Horizontal)							
9747.568	10.25	37.45	35.10	35.40	< 48.00	6.00	54.00
Peak Detector (Vertical)							
4873.749	6.32	33.56	34.75	46.79	51.92	22.08	74.00
7311.050	8.38	36.31	34.90	43.77	< 53.55	20.45	74.00
9748.651	10.25	37.45	35.10	44.35	< 56.95	17.05	74.00
Average Detector (Vertical)							
9749.546	10.25	37.45	35.10	36.50	< 49.10	4.90	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 11 (1Mbps)

Freq.	Cable	Probe		PreAMP	Reading	Measurement		Margin	Limit
		Loss	Factor			Level	Level		
MHz		dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	
Peak Detector (Horizontal)									
4924.049		6.37	33.62	34.73	42.96	48.22	25.78	74.00	
7387.790		8.45	36.39	34.90	44.28	< 54.22	19.78	74.00	
9851.255		10.33	37.47	35.10	44.24	< 56.94	17.06	74.00	
Average Detector (Horizontal)									
7387.564		8.45	36.39	34.90	36.60	< 46.54	7.46	54.00	
9850.869		10.33	37.47	35.10	33.80	< 46.50	7.50	54.00	
Peak Detector (Vertical)									
4924.250		6.37	33.62	34.73	46.37	51.63	22.37	74.00	
7388.203		8.45	36.39	34.90	44.02	< 53.96	20.04	74.00	
9852.457		10.33	37.47	35.10	44.12	< 56.82	17.18	74.00	
Average Detector (Vertical)									
9853.564		10.33	37.47	35.10	34.56	< 47.26	6.74	54.00	

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 11 (2Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4925.602	6.37	33.62	34.73	43.38	48.64	25.36	74.00
7387.651	8.45	36.39	34.90	44.95	< 54.89	19.11	74.00
9851.203	10.33	37.47	35.10	45.53	< 58.23	15.77	74.00
Average Detector (Horizontal)							
7387.124	8.45	36.39	34.90	38.20	< 48.14	5.86	54.00
9851.204	10.33	37.47	35.10	31.20	< 43.90	10.10	54.00
Peak Detector (Vertical)							
4923.999	6.37	33.62	34.73	46.83	52.09	21.91	74.00
7388.152	8.45	36.39	34.90	44.27	< 54.21	19.79	74.00
9850.702	10.33	37.47	35.10	45.35	< 58.05	15.95	74.00
Average Detector (Vertical)							
7388.568	8.45	36.39	34.90	37.60	< 47.54	6.46	54.00
9851.000	10.33	37.47	35.10	35.30	< 48.00	6.00	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 11 (5.5Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4924.588	6.37	33.62	34.73	44.05	49.31	24.69	74.00
7386.196	8.45	36.39	34.90	45.53	< 55.47	18.53	74.00
9848.824	10.33	37.47	35.10	44.61	< 57.31	16.69	74.00
Average Detector (Horizontal)							
7387.235	8.45	36.39	34.90	32.30	< 42.24	11.76	54.00
9847.536	10.33	37.47	35.10	35.00	< 47.70	6.30	54.00
Peak Detector (Vertical)							
4924.039	6.37	33.62	34.73	48.52	53.78	20.22	74.00
7386.196	8.45	36.39	34.90	43.82	< 53.76	20.24	74.00
9848.902	10.33	37.47	35.10	45.04	< 57.74	16.26	74.00
Average Detector (Vertical)							
9848.856	10.33	37.47	35.10	36.20	< 48.90	5.10	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Wireless LAN PC Card
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.1 OATS
 Test Mode : Channel 11 (11Mbps)

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement	Margin	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m
Peak Detector (Horizontal)							
4924.350	6.37	33.62	34.73	43.06	48.32	25.68	74.00
7386.751	8.45	36.39	34.90	44.70	< 54.64	19.36	74.00
9847.348	10.33	37.47	35.10	44.46	< 57.16	16.84	74.00
Average Detector (Horizontal)							
7385.654	8.45	36.39	34.90	36.30	< 46.24	7.76	54.00
9846.320	10.32	37.47	35.10	35.40	< 48.08	5.92	54.00
Peak Detector (Vertical)							
4924.150	6.37	33.62	34.73	47.23	52.49	21.51	74.00
7385.549	8.45	36.39	34.90	43.28	< 53.22	20.78	74.00
9848.551	10.33	37.47	35.10	43.72	< 56.42	17.58	74.00
Average Detector (Vertical)							
9848.654	10.33	37.47	35.10	33.10	< 45.80	8.20	54.00

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Emission Level = Reading Level + Probe Factor-PreAMP + Cable loss
3. The average measurement was not performed when the peak measured data under the limit of average detection.