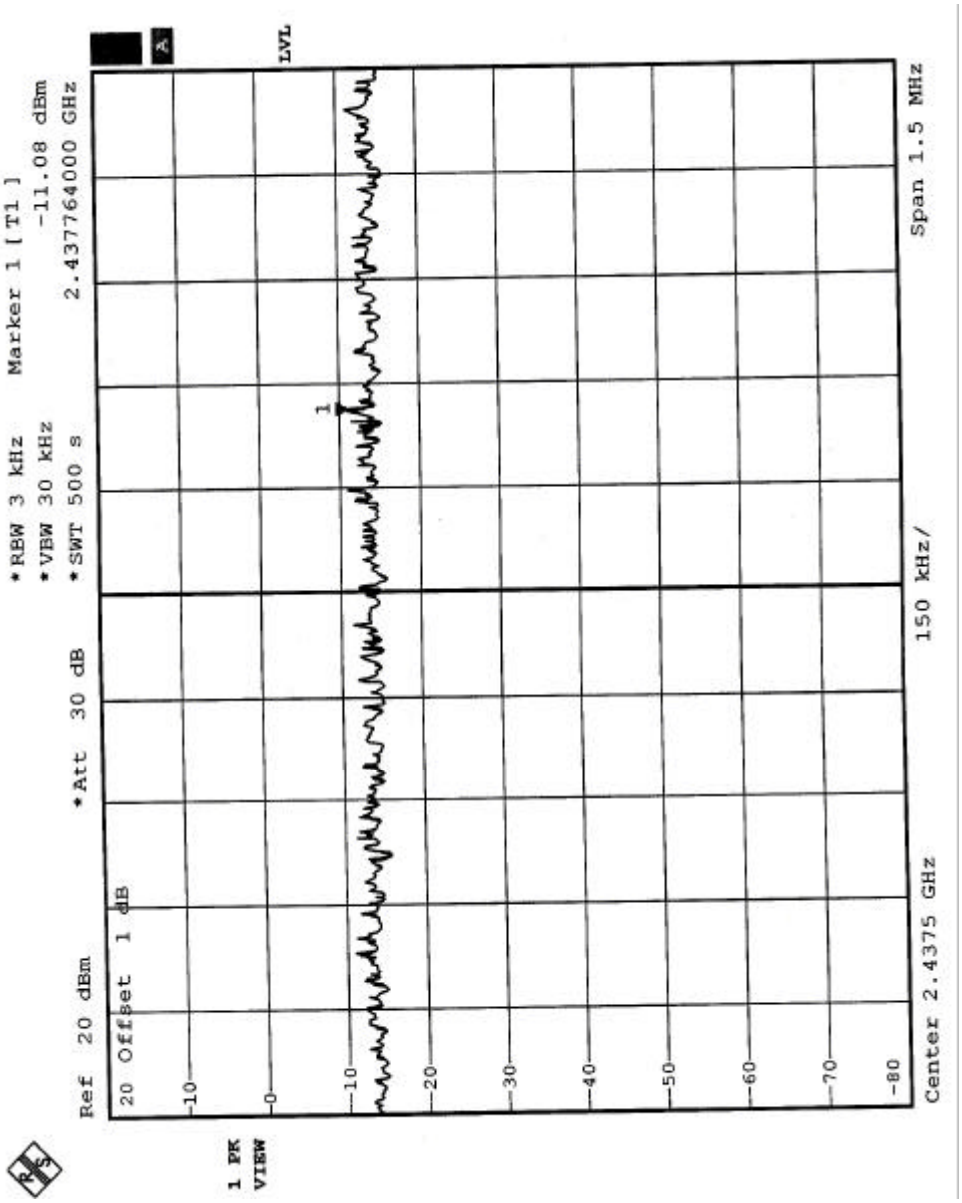
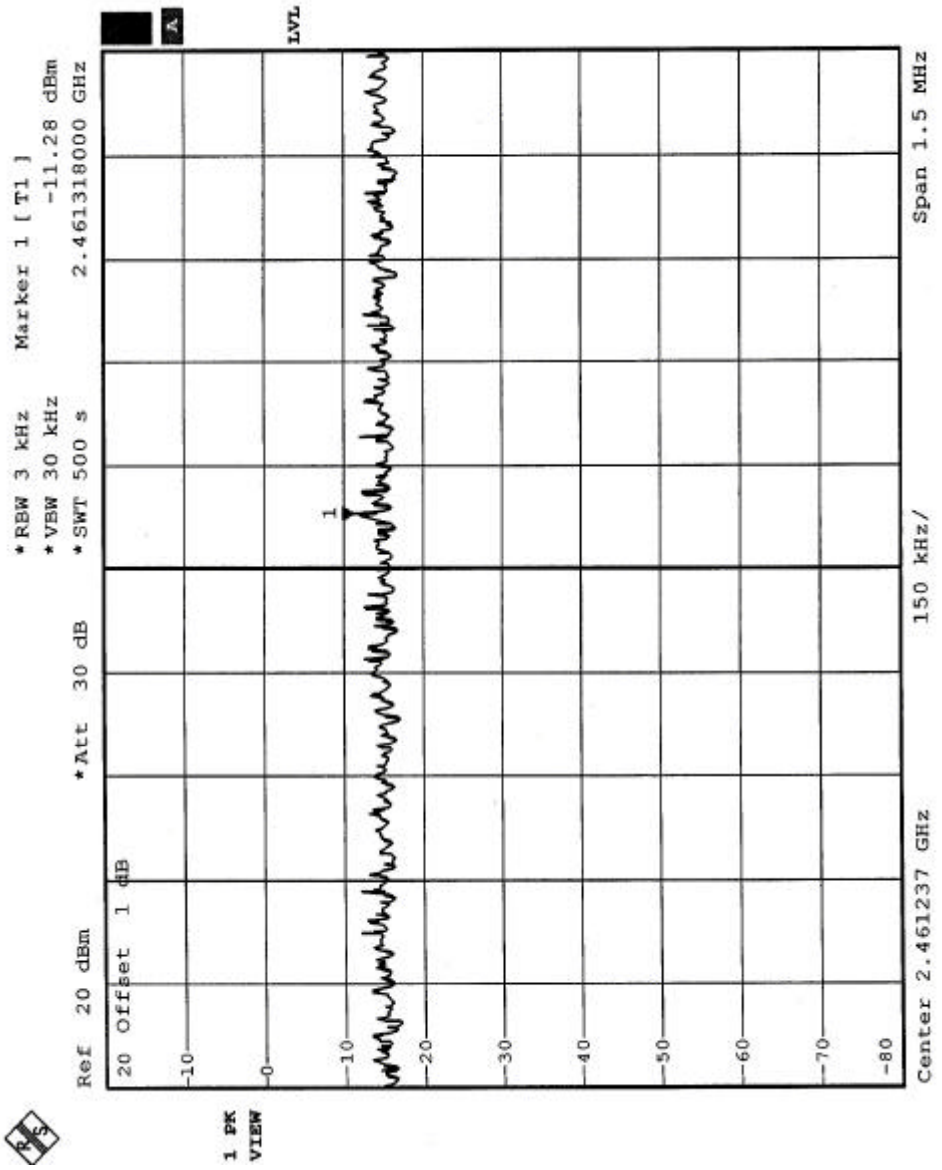
CH6


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-11.08 dBm
2.437764000 GHz
LVL
1 PK
VIEW
Center 2.4375 GHz
150 kHz/
Span 1.5 MHz

CH11

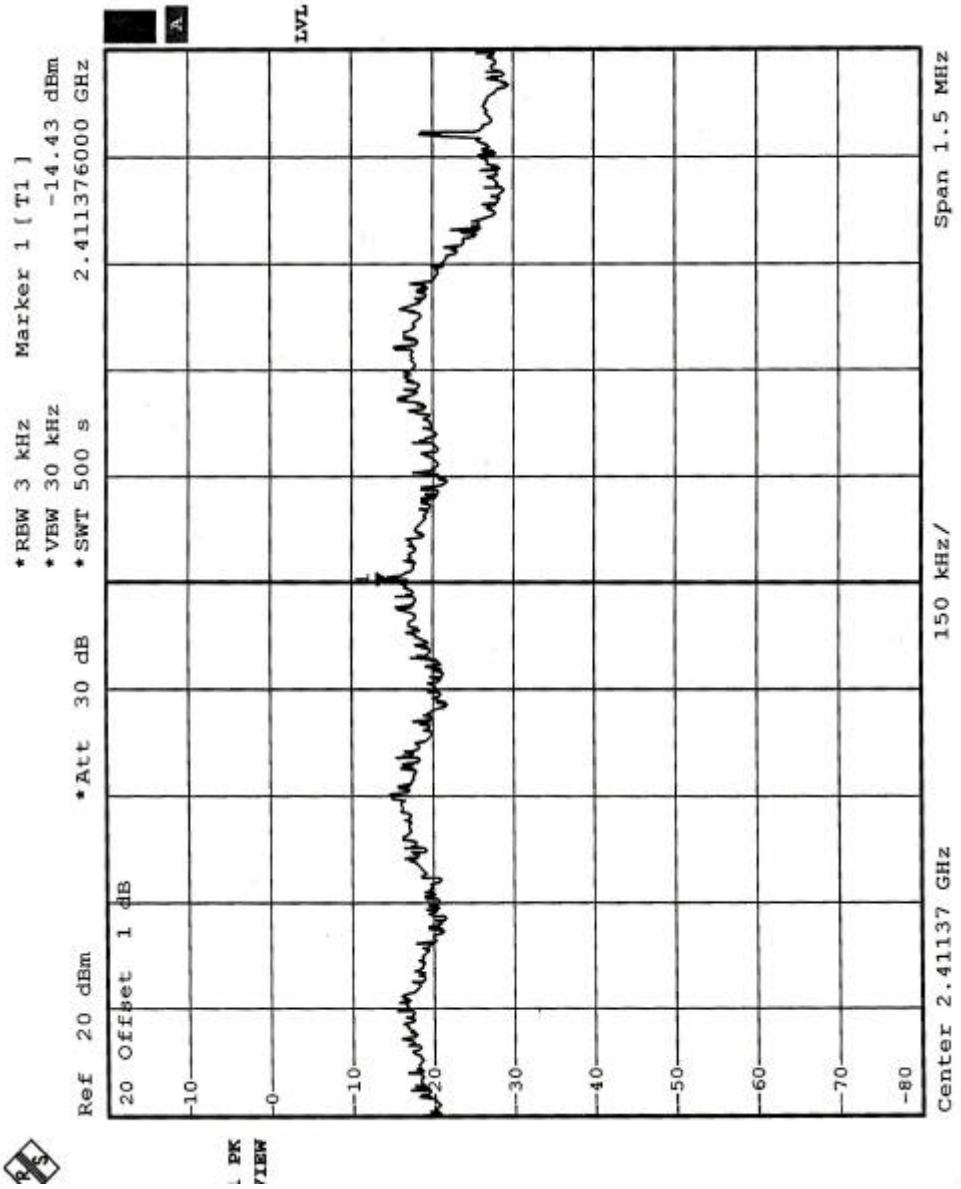

Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-11.28 dBm
2.461318000 GHz
1 PK
VIEW
LVL
Center 2.461237 GHz
150 kHz/
Span 1.5 MHz

4.5.8 TEST RESULTS(B)

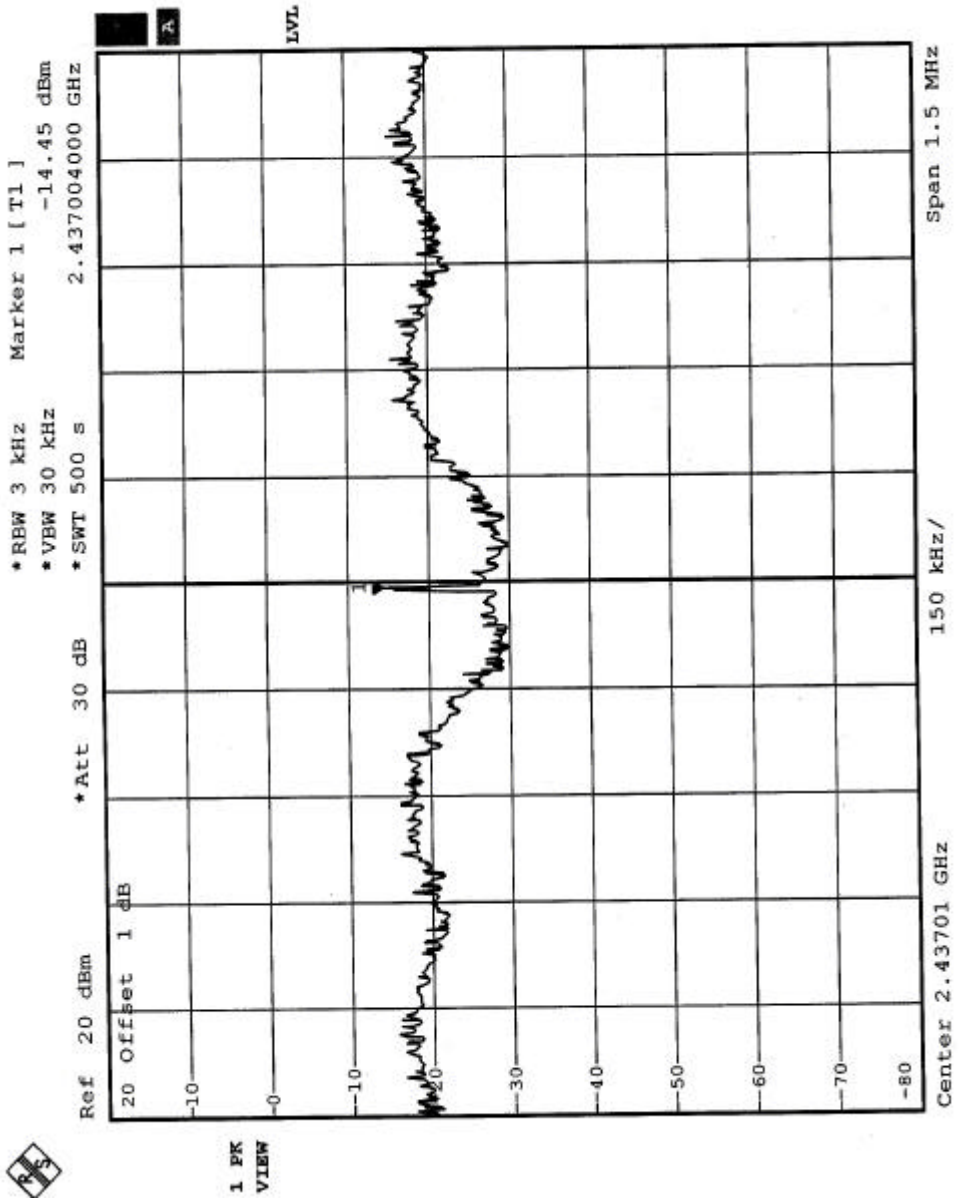
EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	21deg. C, 58RH, 976 hPa
TESTED BY	Eric Lee		

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-14.43	8	PASS
6	2437	-14.45	8	PASS
11	2462	-14.59	8	PASS

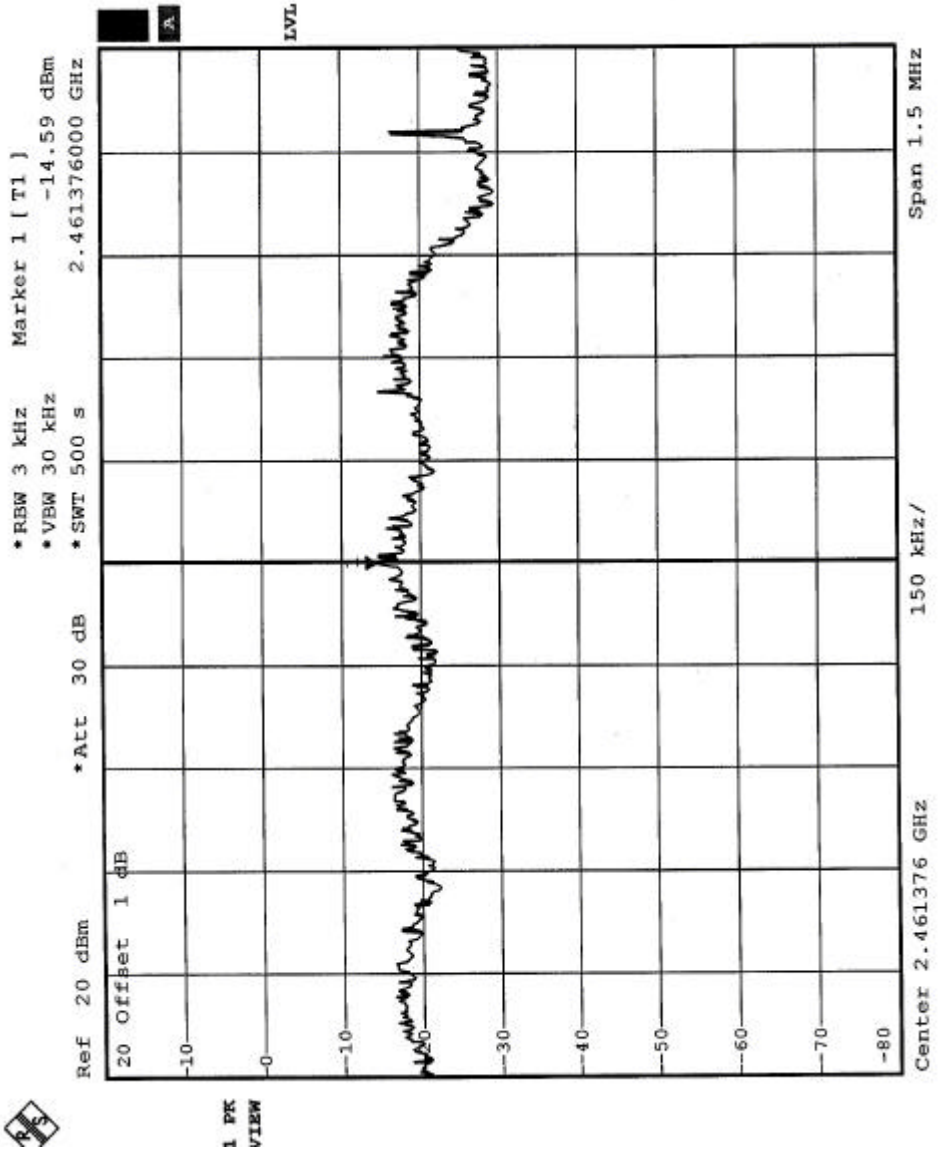
CH1


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-14.43 dBm
2.411376000 GHz
Center 2.41137 GHz
150 kHz/
Span 1.5 MHz
LVL
A
10
0
-10
-20
-30
-40
-50
-60
-70
-80

CH6


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-14.45 dBm
2.43700400 0 GHz
1 PK
VIEW
LVL
A
Center 2.43701 GHz
150 kHz/
Span 1.5 MHz

CH11


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-14.59 dBm
2.461376000 GHz
LVL
Center 2.461376 GHz
150 kHz/
Span 1.5 MHz

4.6 BAND EDGES MEASUREMENT

4.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth).

4.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP	1093.4495.30	Dec. 19, 2003

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz bandwidth from band edge. The band edges was measured and recorded.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 EUT OPERATING CONDITION

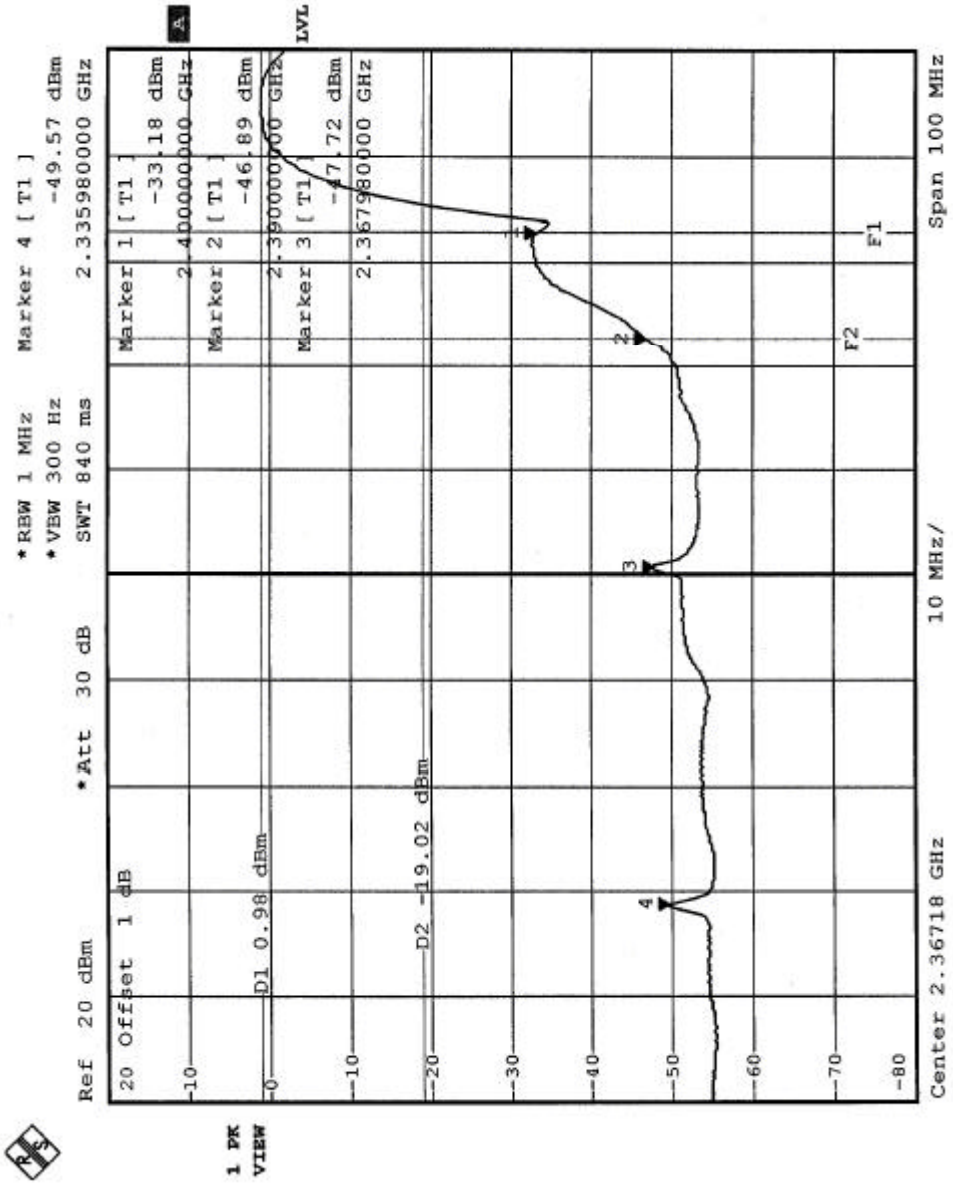
Same as Item 4.3.6

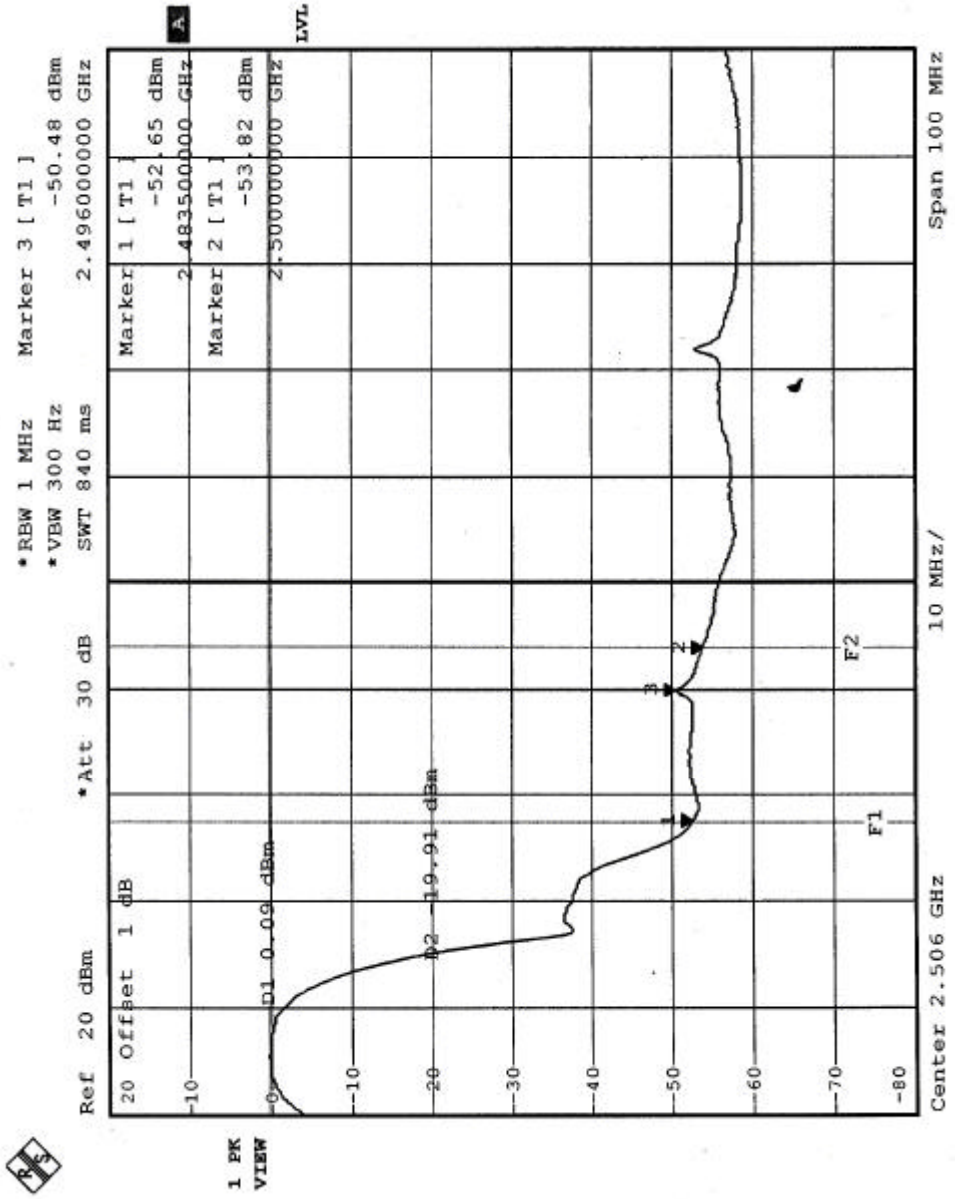
4.6.6 TEST RESULTS (A)

The spectrum plots are attached on the following 2 pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(C).

NOTE (1): The band edge emission plot on the following first page shows 47.87dB delta between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2 is 100.8dBuV/m, so the maximum field strength in restrict band is 100.8-47.87=52.93dBuV/m which is under 54 dBuV/m limit.

NOTE (2): The band edge emission plot on the following second page shows 50.57 dB delta between carrier maximum power and local maximum emission in restrict band (2.496GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2 is 101.0dBuV/m, so the maximum field strength in restrict band is 101.0-50.57=50.43dBuV/m which is under 54 dBuV/m limit.


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 1 MHz
*VBW 300 Hz
SWT 840 ms
Marker 4 [T1]
-49.57 dBm
2.335980000 GHz
Marker 1 [T1]
-33.18 dBm
2.400000000 GHz
Marker 2 [T1]
-46.89 dBm
2.390000000 GHz
Marker 3 [T1]
-47.72 dBm
2.367980000 GHz
D1 0.98 dBm
D2 -19.02 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.36718 GHz
10 MHz/
Span 100 MHz

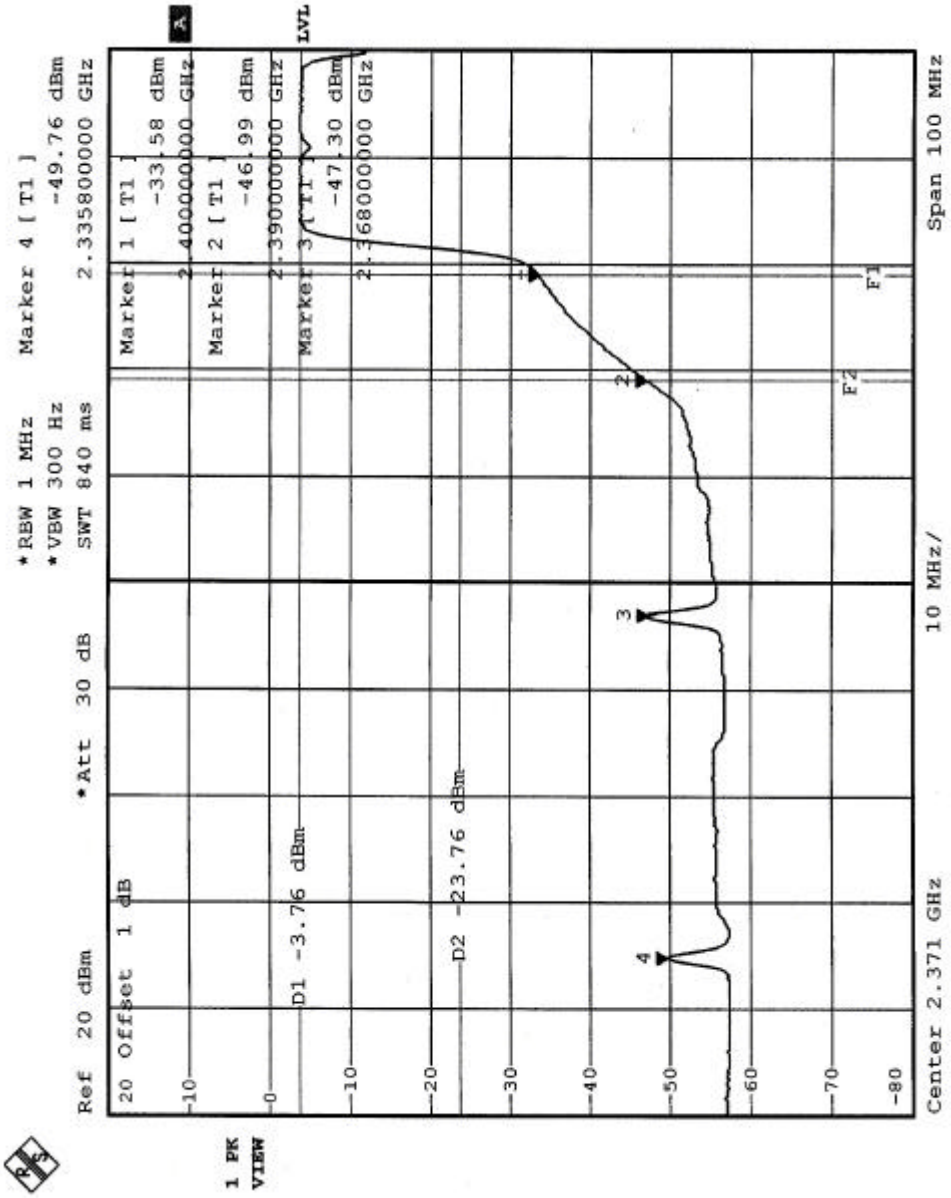

Ref 20 dBm
Att 30 dB
RBW 1 MHz
VBW 300 Hz
SWT 840 ms
Marker 3 [T1]
-50.48 dBm
2.49600000 GHz
Marker 1 [T1]
-52.65 dBm
2.48350000 GHz
Marker 2 [T1]
-53.82 dBm
2.50000000 GHz
Offset 1 dB
D1 0.09 dBm
D2 -19.91 dBm
1 PK
VIEW
LVL
Center 2.506 GHz
10 MHz/
Span 100 MHz
F1
F2

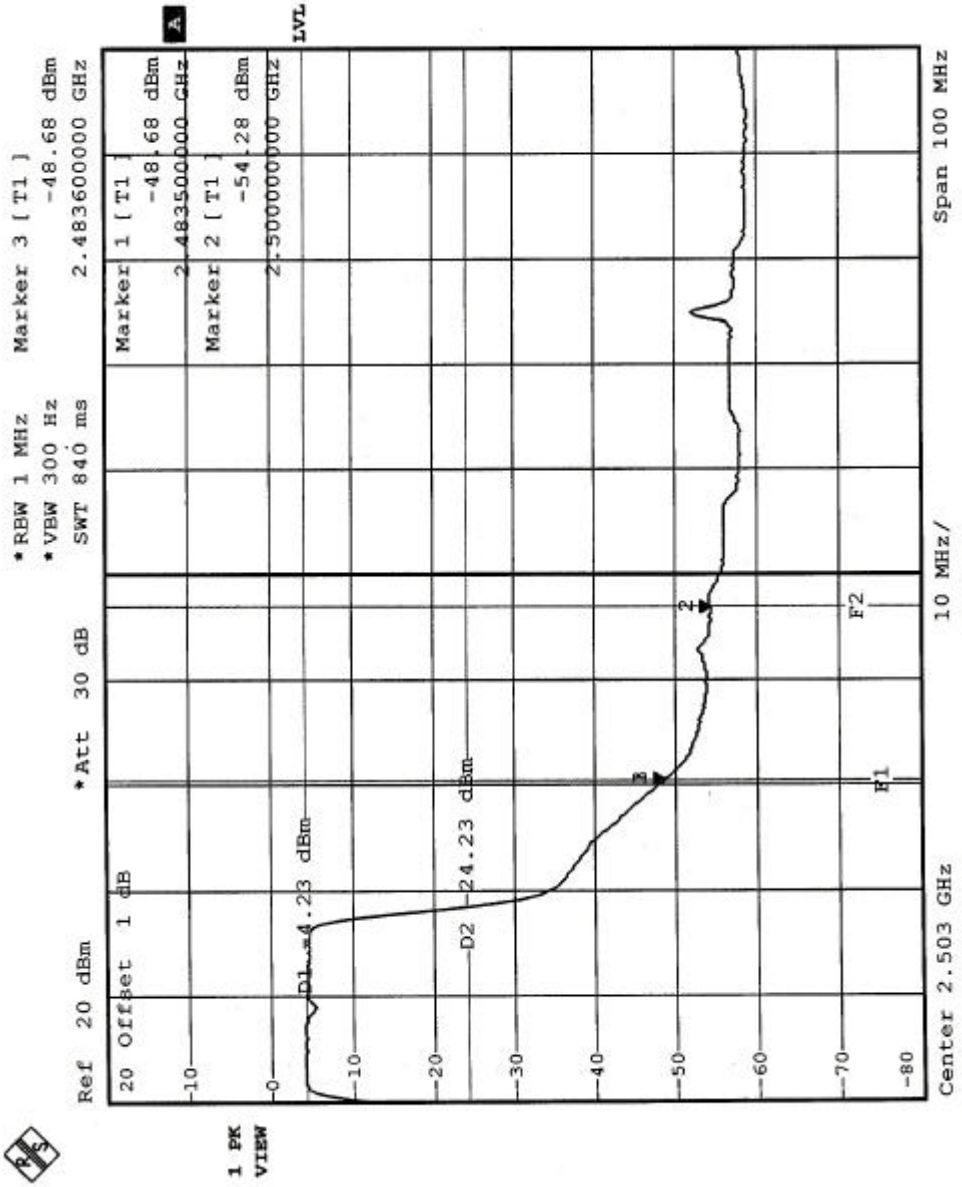
4.6.7 TEST RESULTS (B)

The spectrum plots are attached on the following 2 pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(C).

NOTE (1): The band edge emission plot on the following first page shows 43.23dB delta between carrier maximum power and local maximum emission in restrict band (2.390GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2 is 93.8dBuV/m, so the maximum field strength in restrict band is 93.8-43.23=50.57dBuV/m which is under 54 dBuV/m limit.

NOTE (2): The band edge emission plot on the following second page shows 44.45 dB delta between carrier maximum power and local maximum emission in restrict band (2.4836GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2 is 94.1dBuV/m, so the maximum field strength in restrict band is 94.1-44.45=49.65 dBuV/m which is under 54 dBuV/m limit.


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 1 MHz
*VBW 300 Hz
SWT 840 ms
Marker 4 [T1]
-49.76 dBm
2.33580000 GHz
Marker 1 [T1]
-33.58 dBm
2.40000000 GHz
Marker 2 [T1]
-46.99 dBm
2.39000000 GHz
Marker 3 [T1]
-47.30 dBm
2.36800000 GHz
D1 -3.76 dBm
D2 -23.76 dBm
1 PK
VIEW
A
LVL
Center 2.371 GHz
10 MHz/
Span 100 MHz


Ref 20 dBm
20 Offset 1 dB
*Att 30 dB
*RBW 1 MHz
*VBW 300 Hz
SWT 840 ms
Marker 3 [T1]
-48.68 dBm
2.48360000 GHz
Marker 1 [T1]
-48.68 dBm
2.48350000 GHz
Marker 2 [T1]
-54.28 dBm
2.50000000 GHz
A
LVL
1 PK
VIEW
D1 -4.23 dBm
D2 -24.23 dBm
F1
F2
Center 2.503 GHz
10 MHz/
Span 100 MHz

4.7 ANTENNA REQUIREMENT

4.7.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 ANTENNA CONNECTED CONSTRUCTION

The antenna used in this product is Dual-Band Omni-Directional Antenna with HRS U.FL-LP-066 connector. The maximum Gain of the antenna is 1.5dBi.

5. TEST TYPES AND RESULTS (FOR PART 802.11a)

5.1 CONDUCTED EMISSION MEASUREMENT

5.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

NOTE:
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS 30	847124/029	Nov. 17, 2003
ROHDE & SCHWARZ LISN (for EUT)	ESHS-Z5	848773/004	Nov. 13, 2003
KYORITSU LISN (for peripheral)	KNW-407	8/1395/12	Jul. 23, 2004
RF Cable (JETBAO)	RG233/U	Cable_CA_01	Jul. 03, 2004
Terminator(for KYORITSU)	50	3	Apr. 11, 2004
Software	Cond-V2e	NA	NA

NOTE:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in ADT Shielded Room No. A.
3. The VCCI Con A Registration No. is C-817.

5.1.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

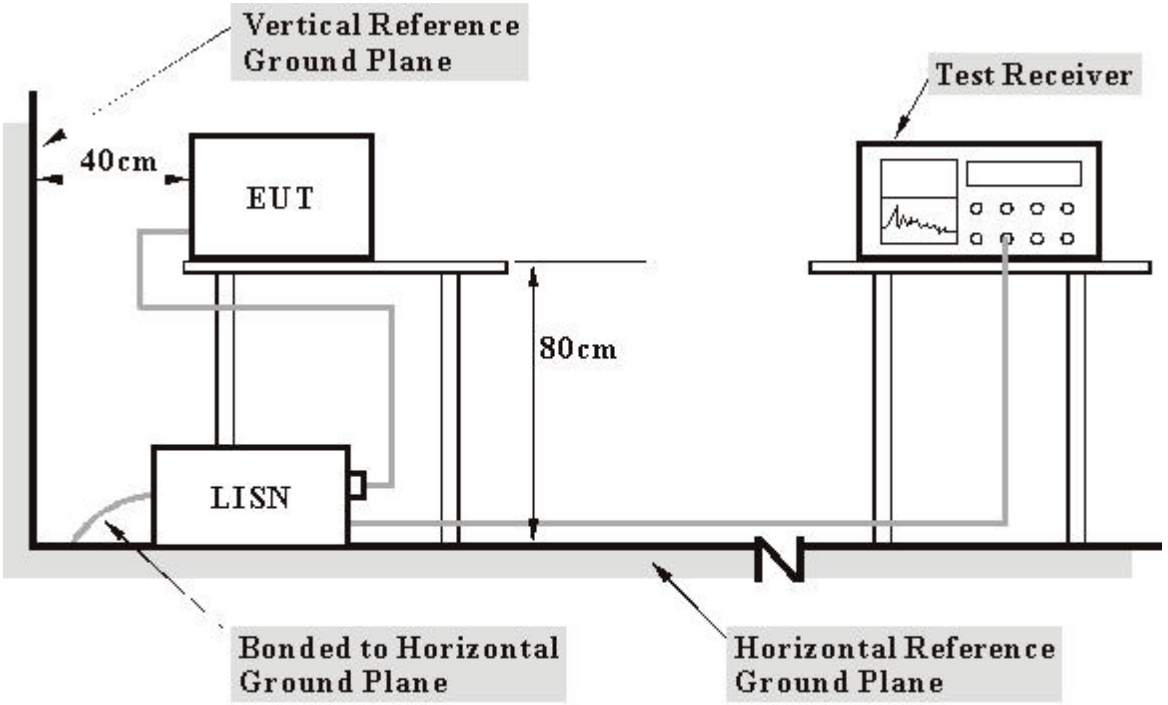
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported

5.1.4 DEVIATION FROM TEST STANDARD

No deviation

5.1.5 TEST SETUP



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

5.1.6 EUT OPERATING CONDITIONS

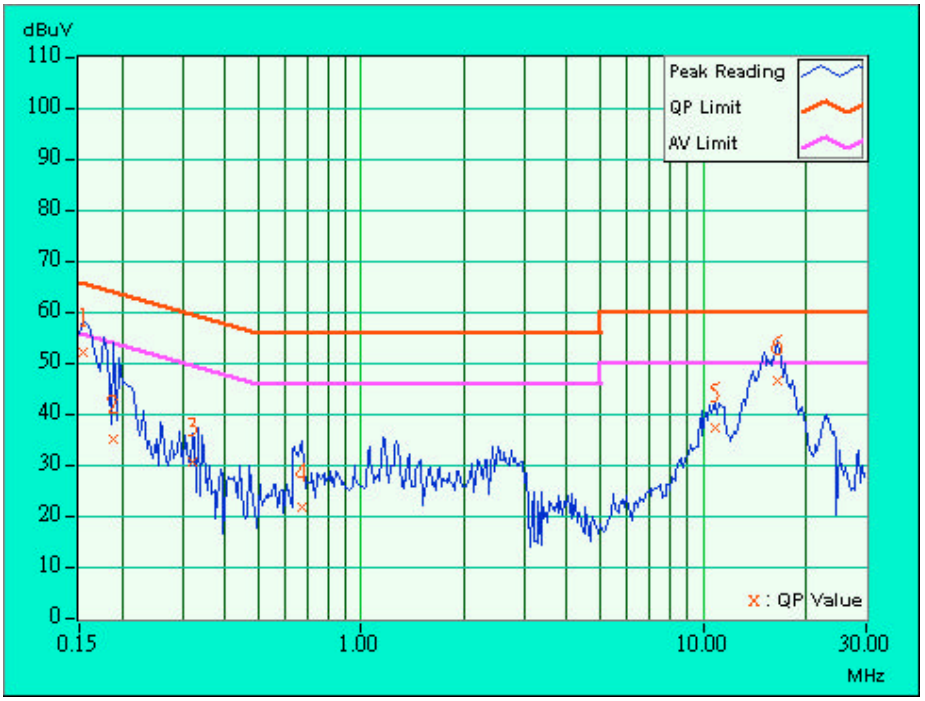
Same as 4.1.6.

5.1.7 TEST RESULTS

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a, With Adapter		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.154	0.20	51.05	-	51.25	-	65.79	55.79	-14.54	-
2	0.189	0.20	34.06	-	34.26	-	64.08	54.08	-29.82	-
3	0.322	0.20	29.45	-	29.65	-	59.66	49.66	-30.01	-
4	0.670	0.24	20.65	-	20.89	-	56.00	46.00	-35.11	-
5	10.809	0.85	36.25	-	37.10	-	60.00	50.00	-22.90	-
6	16.426	1.13	45.60	-	46.73	-	60.00	50.00	-13.27	-

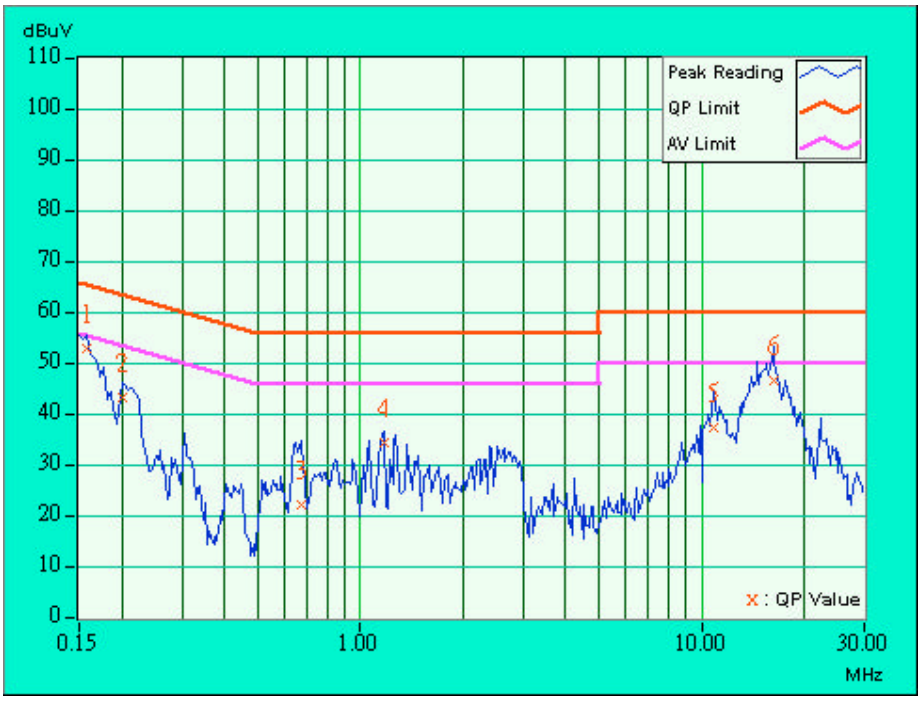
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a, With Adapter		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.20	51.92	-	52.12	-	65.58	55.58	-13.46	-
2	0.201	0.20	42.39	-	42.59	-	63.58	53.58	-20.99	-
3	0.670	0.24	21.37	-	21.61	-	56.00	46.00	-34.39	-
4	1.170	0.30	33.58	-	33.88	-	56.00	46.00	-22.12	-
5	10.832	0.73	36.61	-	37.34	-	60.00	50.00	-22.66	-
6	16.234	0.90	45.66	-	46.56	-	60.00	50.00	-13.44	-

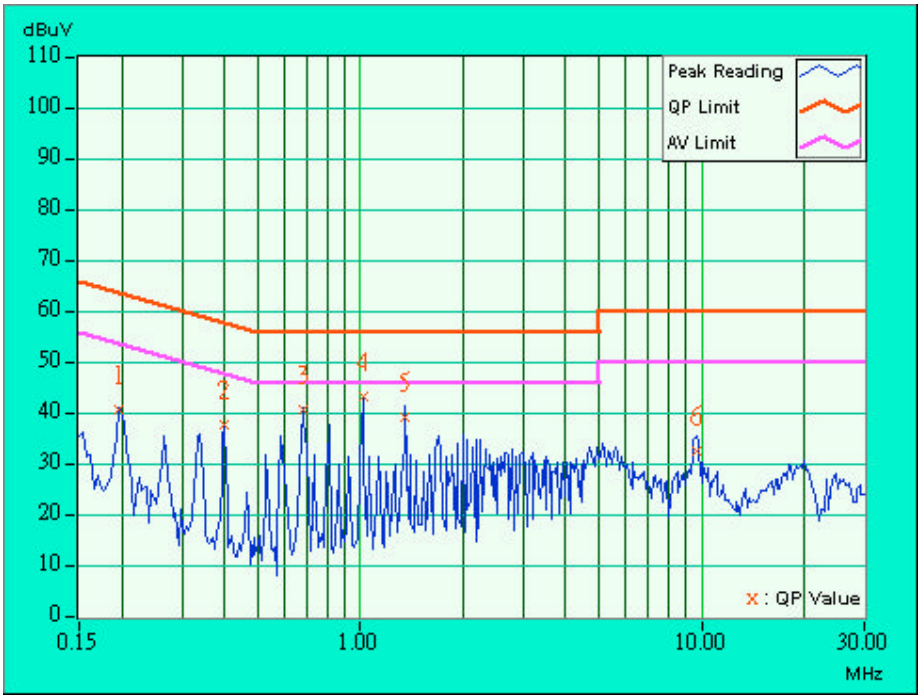
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a, With POE		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.20	39.93	-	40.13	-	63.74	53.74	-23.61	-
2	0.400	0.20	36.84	-	37.04	-	57.85	47.85	-20.81	-
3	0.677	0.25	40.03	-	40.28	-	56.00	46.00	-15.72	-
4	1.017	0.30	42.40	-	42.70	-	56.00	46.00	-13.30	-
5	1.353	0.30	38.48	-	38.78	-	56.00	46.00	-17.22	-
6	9.695	0.78	31.63	-	32.41	-	60.00	50.00	-27.59	-

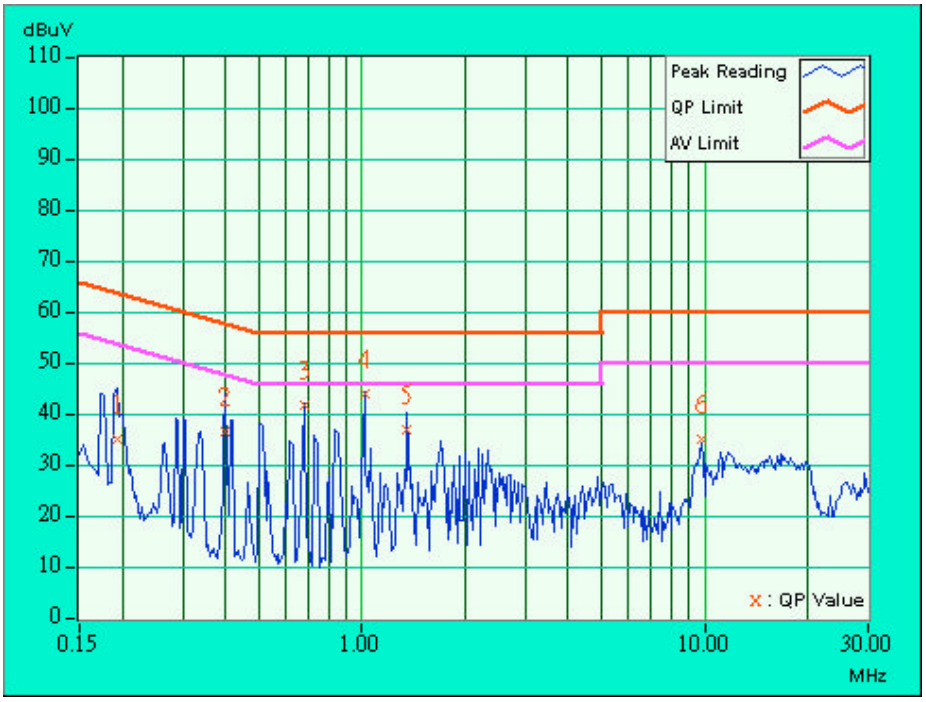
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a, With POE		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.20	34.48	-	34.68	-	63.91	53.91	-29.23	-
2	0.400	0.20	35.95	-	36.15	-	57.85	47.85	-21.70	-
3	0.677	0.25	40.99	-	41.24	-	56.00	46.00	-14.76	-
4	1.017	0.30	43.22	-	43.52	-	56.00	46.00	-12.48	-
5	1.357	0.30	36.24	-	36.54	-	56.00	46.00	-19.46	-
6	9.837	0.69	34.36	-	35.05	-	60.00	50.00	-24.95	-

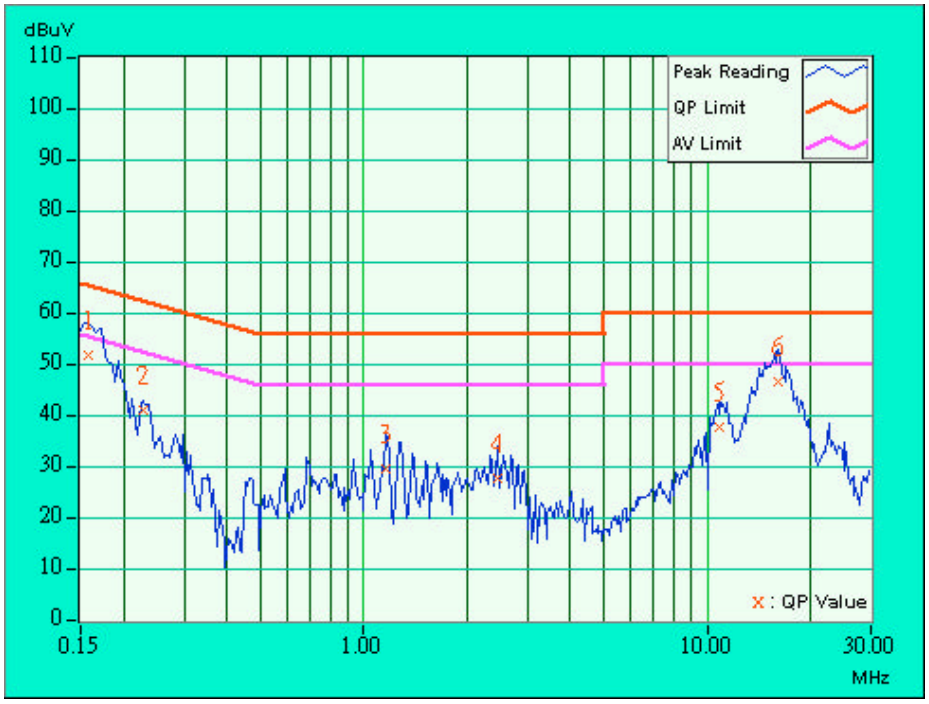
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a and draft 802.11g, With Adapter		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.20	50.55	-	50.75	-	65.58	55.58	-14.83	-
2	0.228	0.20	40.16	-	40.36	-	62.52	52.52	-22.16	-
3	1.162	0.30	28.43	-	28.73	-	56.00	46.00	-27.27	-
4	2.459	0.32	26.65	-	26.97	-	56.00	46.00	-29.03	-
5	10.789	0.85	36.61	-	37.46	-	60.00	50.00	-22.54	-
6	16.160	1.12	45.58	-	46.70	-	60.00	50.00	-13.30	-

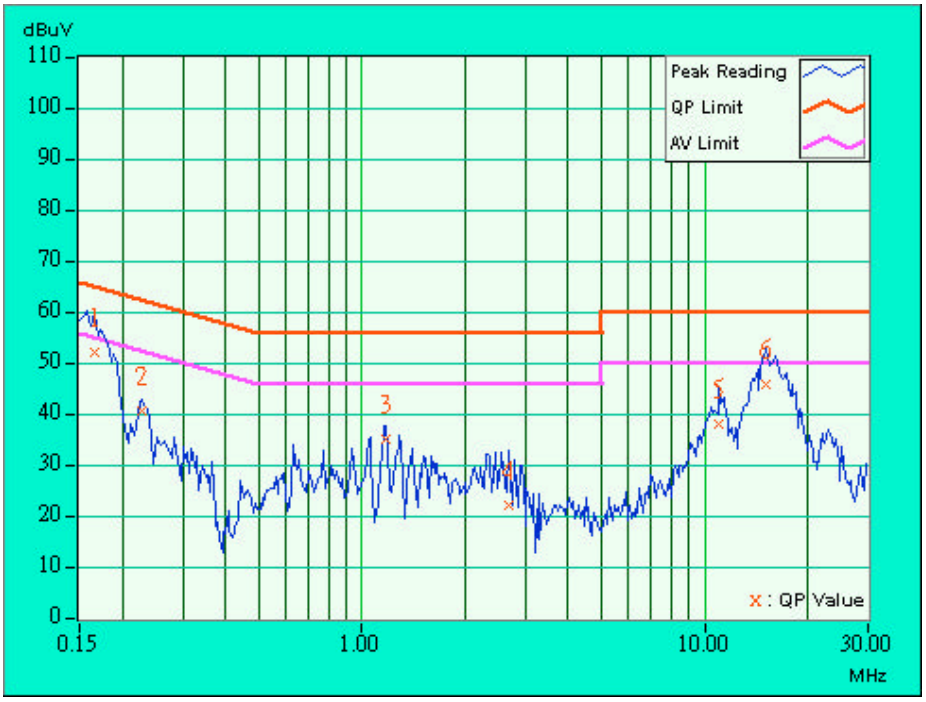
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a and draft 802.11g, With Adapter		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	0.20	51.19	-	51.39	-	65.18	55.18	-13.79	-
2	0.228	0.20	39.95	-	40.15	-	62.52	52.52	-22.37	-
3	1.170	0.30	34.18	-	34.48	-	56.00	46.00	-21.52	-
4	2.673	0.33	21.44	-	21.77	-	56.00	46.00	-34.23	-
5	11.023	0.74	37.38	-	38.12	-	60.00	50.00	-21.88	-
6	15.121	0.90	45.20	-	46.10	-	60.00	50.00	-13.90	-

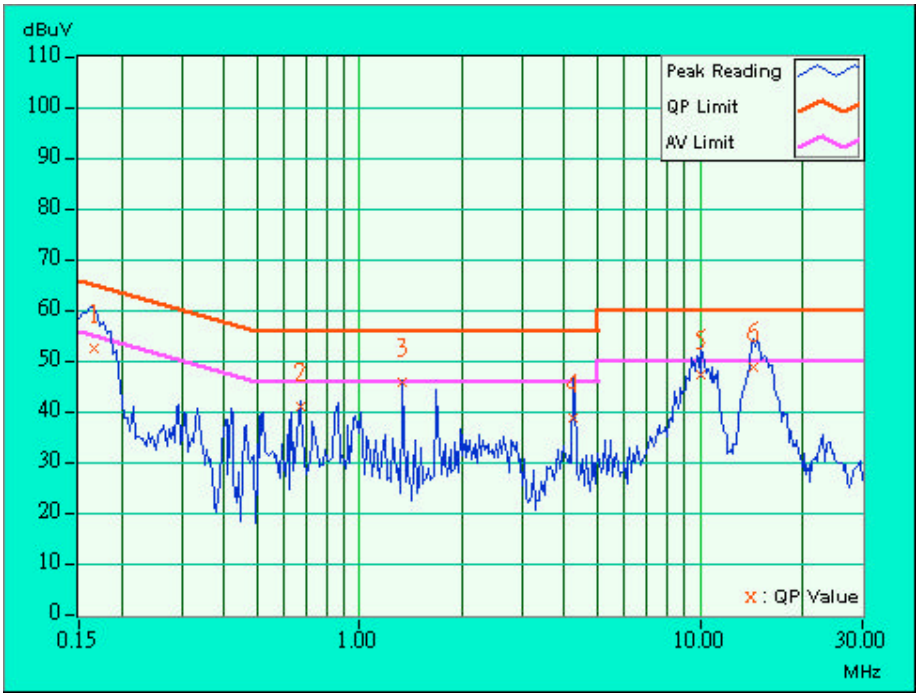
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a and draft 802.11g, With POE		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	0.20	51.63	-	51.83	-	65.18	55.18	-13.35	-
2	0.670	0.24	39.91	-	40.15	-	56.00	46.00	-15.85	-
3	**1.338**	**0.30**	**44.92**	**-**	**45.22**	**-**	**56.00**	**46.00**	**-10.78**	**-**
4	4.258	0.42	37.91	-	38.33	-	56.00	46.00	-17.67	-
5	10.016	0.80	46.29	-	47.09	-	60.00	50.00	-12.91	-
6	14.379	1.06	47.67	-	48.73	-	60.00	50.00	-11.27	-

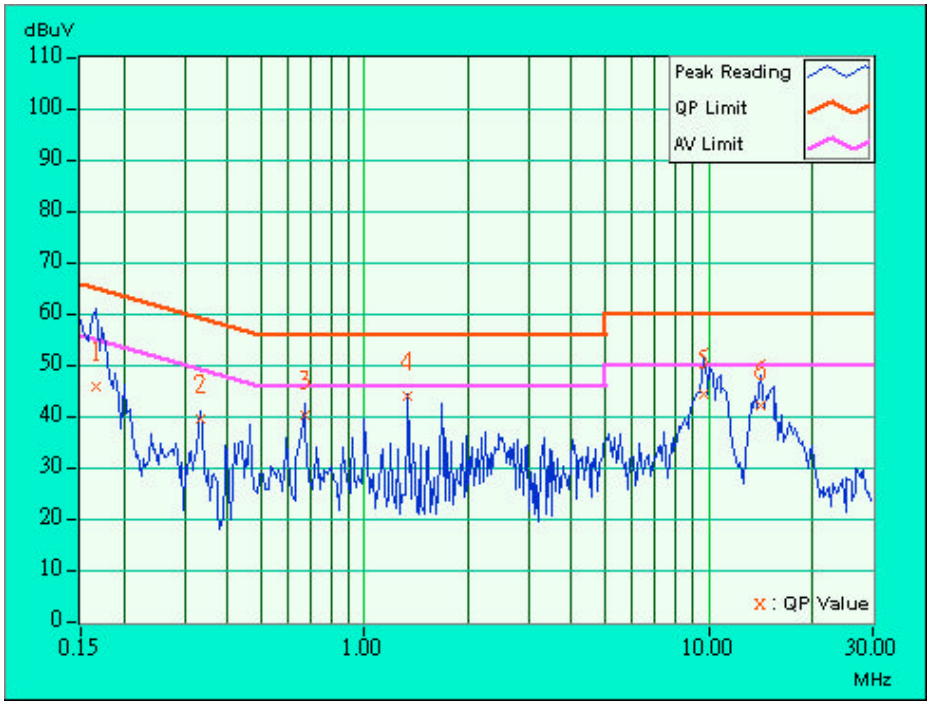
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point		
MODEL	SMC2555W-AG	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	**TESTED BY**	Larry Peng
TEST MODE	802.11a and draft 802.11g, With POE		

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	0.20	45.02	-	45.22	-	65.18	55.18	-19.96	-
2	0.334	0.20	38.66	-	38.86	-	59.36	49.36	-20.50	-
3	0.670	0.24	39.47	-	39.71	-	56.00	46.00	-16.29	-
4	1.338	0.30	43.26	-	43.56	-	56.00	46.00	-12.44	-
5	9.625	0.68	43.67	-	44.35	-	60.00	50.00	-15.65	-
6	14.262	0.87	41.42	-	42.29	-	60.00	50.00	-17.71	-

NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction Factor = Insertion loss + Cable loss
(6) Margin value = Emission level - Limit value



5.2 RADIATED EMISSION MEASUREMENT

5.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

5.2.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	**EIRP Limit (dBm)**	**Equivalent Field Strength at 3m (dBμV/m)** *note 3
5150~5250	-27	68.3
5250~5350	-27	68.3
5725~5825	-27 *note 1	68.3
	-17 *note 2	78.3

NOTE:

1. For frequencies 10MHz or greater above or below the band edge.
2. All emissions within the frequency range from the band edge to 10MHz above or below the band edge.
3. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength

$$E=\frac{1000000\sqrt{30P}}{3} \quad \mu V/m, \quad \text{where P is the eirp (Watts)}$$

5.2.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8594ER	3829U04676	Jul. 14, 2004
ADVANTEST Spectrum Analyzer	R3271A	85060311	May 21, 2004
CHASE RF Pre_Amplifier	CPA9232	1057	Apr. 24, 2004
HP Pre_Amplifier	8449B	3008A01281	June 27, 2004
ROHDE & SCHWARZ Test Receiver	ESVS 10	849231 /019	Nov. 03, 2003
CHASE Broadband Antenna	CBL6111c	2730	Jul 17, 2004
Schwarzbeck Horn_Antenna	3115	5619	Jul. 17, 2004
SCHWARZBECK Tunable Dipole Antenna	UHAP	897	Mar. 07, 2005
SCHWARZBECK Tunable Dipole Antenna	VHAP	880	Mar. 07, 2005
RF Switches (ARNITSU)	CS-201	1565157	Dec. 01, 2003
RF CABLE (Chaintek) 1GHz-20GHz	SF102	22054-2	Feb. 10. 2004
RF Cable(RICHTEC)	9913-30M	STCCAB-30M-1GHz-021	Nov. 5, 2003
Software	AS60P8	NA	NA
CHANCE MOST Antenna Tower	AT-100	0203	NA
CHANCE MOST Turn Table	TT-100	0203	NA

Note: 1. The calibration interval of the above test instruments is 12 months (36 months for Tunable Dipole Antenna)and the calibrations are traceable to NML/ROC and NIST/USA.
2. * = These equipment are used for the final measurement.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The test was performed in ADT Open Site No. C.
5. The FCC Site Registration No. is 656396.
6. The VCCI Site Registration No. is R-1626.
7. The CANADA Site Registration No. is IC 3789-C.

5.2.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

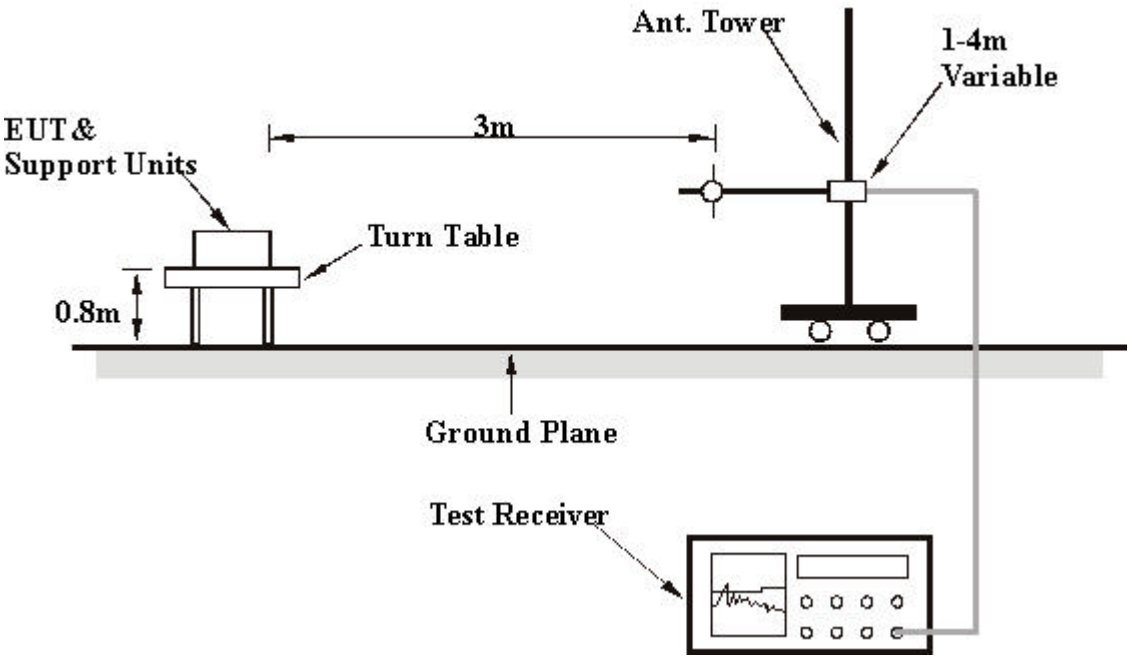
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for Average detection (AV) at frequency above 1GHz.

5.2.5 DEVIATION FROM TEST STANDARD

No deviation

5.2.6 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

5.2.7 EUT OPERATING CONDITIONS

Same as 4.1.6 .

5.2.8 TEST RESULTS

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
FREQUENCY RANGE	Below 1000MHz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	29 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TEST MODE	With Adapter	**TESTED BY**	Eic Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	45.50	26.1 QP	40.00	-13.90	1.25 H	331	15.20	11.00
2	125.13	28.8 QP	43.50	-14.70	1.15 H	337	16.70	12.00
3	220.34	22.7 QP	46.00	-23.30	1.52 H	324	13.20	9.40
4	250.01	30.0 QP	46.00	-16.00	1.44 H	341	17.00	13.00
5	264.19	30.8 QP	46.00	-15.20	1.48 H	241	16.70	14.00
6	351.55	36.5 QP	46.00	-9.50	1.17 H	29	21.00	15.50
7	375.20	30.2 QP	46.00	-15.80	1.28 H	0	14.00	16.20
8	395.68	36.3 QP	46.00	-9.70	1.00 H	212	19.40	16.90
9	479.54	30.3 QP	46.00	-15.70	1.22 H	13	11.50	18.90
10	499.91	32.5 QP	46.00	-13.50	1.06 H	114	13.20	19.30
11	527.53	42.0 QP	46.00	-4.00	2.00 H	194	22.40	19.60
12	625.23	32.2 QP	46.00	-13.80	1.34 H	56	10.50	21.70

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.25	28.2 QP	40.00	-11.80	1.47 V	322	16.10	12.10
2	60.58	30.7 QP	40.00	-9.30	1.41 V	196	25.50	5.20
3	70.25	24.0 QP	40.00	-16.00	1.16 V	7	18.10	5.90
4	125.02	32.1 QP	43.50	-11.40	1.19 V	93	20.10	12.00
5	220.04	29.9 QP	46.00	-16.10	1.26 V	64	20.50	9.40
6	250.29	27.9 QP	46.00	-18.10	1.35 V	25	14.80	13.00
7	352.33	29.9 QP	46.00	-16.10	1.23 V	50	14.40	15.50
8	375.01	29.0 QP	46.00	-17.00	1.39 V	114	12.80	16.20
9	395.56	33.3 QP	46.00	-12.70	1.09 V	93	16.30	16.90
10	499.62	35.2 QP	46.00	-10.80	1.02 V	244	15.90	19.30
11	528.34	40.3 QP	46.00	-5.70	1.00 V	56	20.70	19.60

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
FREQUENCY RANGE	Below 1000MHz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	29 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TEST MODE	With POE	**TESTED BY**	Eic Lee

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	50.69	27.5 QP	40.00	-12.50	1.96 H	58	19.40	8.20
2	68.29	24.0 QP	40.00	-16.00	1.08 H	57	18.30	5.70
3	124.59	27.6 QP	43.50	-15.90	1.52 H	309	15.60	12.00
4	220.00	29.4 QP	46.00	-16.60	1.48 H	54	20.00	9.40
5	220.11	26.3 QP	46.00	-19.70	1.77 H	47	16.90	9.40
6	250.03	28.0 QP	46.00	-18.00	1.88 H	5	15.00	13.00
7	352.01	29.8 QP	46.00	-16.20	1.88 H	5	14.30	15.50
8	374.98	31.9 QP	46.00	-14.10	1.14 H	147	15.70	16.20
9	500.12	34.3 QP	46.00	-11.70	1.18 H	160	15.00	19.30
10	527.68	37.2 QP	46.00	-8.80	1.58 H	98	17.60	19.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.02	31.3 QP	40.00	-8.70	1.58 V	54	23.20	8.00
2	55.89	30.1 QP	40.00	-9.90	1.08 V	68	23.70	6.40
3	69.03	36.7 QP	40.00	-3.30	1.68 V	199	30.90	5.80
4	72.00	31.5 QP	40.00	-8.50	1.02 V	96	25.20	6.30
5	124.97	27.3 QP	43.50	-16.20	1.09 V	269	15.30	12.00
6	250.00	26.2 QP	46.00	-19.80	1.47 V	54	13.20	13.00
7	264.02	29.4 QP	46.00	-16.60	1.09 V	69	15.30	14.10
8	374.36	32.1 QP	46.00	-13.90	1.78 V	7	15.90	16.20
9	396.21	32.0 QP	46.00	-14.00	1.00 V	356	15.00	17.00
10	500.02	34.3 QP	46.00	-11.70	1.38 V	68	15.00	19.30
11	527.89	40.6 QP	46.00	-5.40	1.08 V	354	21.00	19.60
12	625.32	33.3 QP	46.00	-12.70	1.58 V	55	11.60	21.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. The limit value is defined as per 15.247

5.2.9 TEST RESULTS

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	1
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	54.2 PK	74.00	-19.80	1.46 H	329	17.10	37.00
1	#5088.00	46.2 AV	54.00	-7.80	1.46 H	329	9.20	37.00
2	#5120.00	55.0 PK	74.00	-19.00	1.08 H	326	18.00	37.00
2	#5120.00	46.6 AV	54.00	-7.40	1.08 H	326	9.60	37.00
3	#5150.00	54.6 PK	74.00	-19.40	1.40 H	208	17.60	37.00
3	#5150.00	44.6 AV	54.00	-9.40	1.40 H	208	7.60	37.00
4	*5180.00	95.3 PK			1.48 H	69	58.30	37.00
4	*5180.00	87.1 AV			1.48 H	69	50.10	37.00
5	#5440.00	52.1 PK	74.00	-21.90	1.37 H	151	15.10	37.00
5	#5440.00	44.9 AV	54.00	-9.10	1.37 H	151	7.90	37.00
6	10360.00	49.7 PK	68.30	-18.60	1.07 H	46	5.00	44.70

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	63.2 PK	74.00	-10.80	1.01 V	43	26.20	37.00
1	#5088.00	51.0 AV	54.00	-3.00	1.01 V	43	14.00	37.00
2	#5120.00	58.3 PK	74.00	-15.70	1.85 V	65	21.30	37.00
2	#5120.00	51.6 AV	54.00	-2.40	1.85 V	65	14.60	37.00
3	#5150.00	59.6 PK	74.00	-14.40	1.39 V	66	22.60	37.00
3	#5150.00	50.3 AV	54.00	-3.70	1.39 V	66	13.30	37.00
4	*5180.00	103.3 PK			1.25 V	54	66.20	37.00
4	*5180.00	95.7 AV			1.25 V	54	58.60	37.00
5	#5440.00	60.3 PK	74.00	-13.70	1.36 V	332	23.30	37.00
5	#5440.00	52.2 AV	54.00	-1.80	1.36 V	332	15.20	37.00
6	10360.00	53.9 PK	68.30	-14.40	1.35 V	222	9.20	44.70

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	4
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	51.0 PK	74.00	-23.00	1.21 H	5	13.90	37.00
1	#5088.00	43.0 AV	54.00	-11.00	1.21 H	5	6.00	37.00
2	#5150.00	50.6 PK	74.00	-23.40	1.30 H	65	13.50	37.00
3	*5240.00	96.4 PK			1.33 H	200	59.40	37.00
3	*5240.00	87.9 AV			1.33 H	200	50.90	37.00
4	#5440.00	53.3 PK	74.00	-20.70	1.05 H	22	16.20	37.00
4	#5440.00	45.1 AV	54.00	-8.90	1.05 H	22	8.10	37.00
5	10480.00	49.9 PK	68.30	-18.40	1.35 H	69	4.90	45.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	57.2 PK	74.00	-16.80	1.07 V	57	20.10	37.00
1	#5088.00	47.7 AV	54.00	-6.30	1.07 V	57	10.60	37.00
2	#5150.00	55.2 PK	74.00	-18.80	1.36 V	307	18.20	37.00
2	#5150.00	47.3 AV	54.00	-6.70	1.36 V	307	10.20	37.00
3	*5240.00	102.9 PK			1.35 V	68	65.90	37.00
3	*5240.00	96.0 AV			1.35 V	68	59.00	37.00
4	#5440.00	57.6 PK	74.00	-16.40	1.32 V	256	20.60	37.00
4	#5440.00	49.4 AV	54.00	-4.60	1.32 V	256	12.40	37.00
5	10480.00	54.6 PK	68.30	-13.70	1.20 V	249	9.70	45.00

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	5
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	51.3 PK	74.00	-22.70	1.06 H	120	14.30	37.00
1	#5088.00	42.2 AV	54.00	-11.80	1.06 H	120	5.20	37.00
2	*5260.00	95.7 PK			1.66 H	309	58.60	37.00
2	*5260.00	88.0 AV			1.66 H	309	51.00	37.00
3	#5440.00	51.8 PK	74.00	-22.20	1.57 H	48	14.80	37.00
3	#5440.00	44.0 AV	54.00	-10.00	1.57 H	48	7.00	37.00
4	#11520.00	57.6 PK	74.00	-16.40	1.08 H	54	6.30	51.30
4	#11520.00	47.0 AV	54.00	-7.00	1.08 H	54	-4.30	51.30

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	55.3 PK	74.00	-18.70	1.07 V	44	18.20	37.00
1	#5088.00	47.5 AV	54.00	-6.50	1.07 V	44	10.50	37.00
2	*5260.00	104.2 PK			1.33 V	269	67.20	37.00
2	*5260.00	95.6 AV			1.33 V	269	58.60	37.00
3	#5440.00	58.2 PK	74.00	-15.80	1.09 V	359	21.20	37.00
3	#5440.00	49.4 AV	54.00	-4.60	1.09 V	359	12.40	37.00
4	#11520.00	62.8 PK	74.00	-11.20	1.03 V	222	11.50	51.30
4	#11520.00	52.2 AV	54.00	-1.80	1.03 V	222	0.90	51.30

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	8
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	50.7 PK	74.00	-23.30	1.76 H	64	13.70	37.00
2	*5320.00	95.1 PK			1.06 H	326	58.10	37.00
2	*5320.00	88.0 AV			1.06 H	326	51.00	37.00
3	#5350.00	51.5 PK	74.00	-22.50	1.07 H	168	14.50	37.00
3	#5350.00	45.9 AV	54.00	-8.10	1.07 H	168	8.90	37.00
4	#5408.00	53.7 PK	74.00	-20.30	1.53 H	354	16.70	37.00
4	#5408.00	48.0 AV	54.00	-6.00	1.53 H	354	11.00	37.00
5	#10640.00	53.9 PK	74.00	-20.10	1.36 H	199	7.60	46.30
5	#10640.00	43.2 AV	54.00	-10.80	1.36 H	199	-3.10	37.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	55.3 PK	74.00	-18.70	1.33 V	201	18.30	37.00
1	#5120.00	46.1 AV	54.00	-7.90	1.33 V	201	9.10	37.00
2	*5320.00	102.3 PK			1.05 V	326	65.30	37.00
2	*5320.00	94.0 AV			1.05 V	326	57.00	37.00
3	#5350.00	60.8 PK	74.00	-13.20	1.09 V	357	23.80	37.00
3	#5350.00	51.9 AV	54.00	-2.10	1.09 V	357	14.90	37.00
4	#5408.00	62.4 PK	74.00	-11.60	1.58 V	52	25.40	37.00
4	**#5408.00**	**53.0 AV**	**54.00**	**-1.00**	**1.58 V**	**52**	**16.00**	**37.00**
5	#10640.00	58.1 PK	74.00	-15.90	1.22 V	5	11.90	46.30
5	#10640.00	46.4 AV	54.00	-7.60	1.22 V	5	0.10	46.30

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	9
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	50.6 PK	74.00	-23.40	1.69 H	63	13.60	37.00
2	#5440.00	51.0 PK	74.00	-23.00	1.58 H	54	13.90	37.00
2	#5440.00	44.0 AV	54.00	-10.00	1.58 H	54	7.00	37.00
3	5715.00	60.1 PK	72.80	-12.70	1.08 H	7	22.60	37.50
4	5725.00	69.9 PK	82.80	-12.90	1.59 H	69	32.40	37.50
5	*5745.00	98.2 PK			1.09 H	57	60.60	37.60
5	*5745.00	89.0 AV			1.09 H	57	51.40	37.50
6	#11490.00	57.6 PK	74.00	-16.40	1.52 H	30	6.30	51.30
6	#11490.00	48.3 AV	54.00	-5.70	1.52 H	30	-3.10	37.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	59.3 PK	74.00	-14.70	1.01 V	119	22.30	37.00
1	#5120.00	50.1 AV	54.00	-3.90	1.01 V	119	13.10	37.00
2	#5440.00	59.7 PK	74.00	-14.30	1.58 V	1	22.70	37.00
2	#5440.00	51.9 AV	54.00	-2.10	1.58 V	1	14.90	37.00
3	5715.00	68.1 PK	72.80	-4.70	1.36 V	199	30.60	37.50
4	5725.00	78.1 PK	82.80	-4.70	1.09 V	239	40.60	37.50
5	*5745.00	105.1 PK			1.06 V	325	67.50	37.60
5	*5745.00	97.2 AV			1.06 V	325	59.60	37.60
6	#11490.00	57.6 PK	74.00	-16.40	1.52 V	30	6.30	51.30
6	#11490.00	48.3 AV	54.00	-5.70	1.52 V	30	-3.10	51.30

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*": Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal Mode	**CHANNEL**	12
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5056.00	59.6 PK	74.00	-14.40	1.27 H	66	22.60	37.00
1	#5056.00	42.3 AV	54.00	-11.70	1.27 H	66	5.20	37.00
2	#5408.00	51.6 PK	74.00	-22.40	1.74 H	87	14.60	37.00
2	#5408.00	43.4 AV	54.00	-10.60	1.74 H	87	6.40	37.00
3	*5805.00	98.0 PK			1.44 H	25	60.30	37.70
3	*5805.00	88.7 AV			1.44 H	25	51.00	37.70
4	5825.00	71.6 PK	82.80	-11.20	1.02 H	360	33.90	37.70
5	5835.00	61.3 PK	72.80	-11.50	1.20 H	356	23.60	37.70
6	#11610.00	56.8 PK	74.00	-17.20	1.03 H	264	5.80	51.00
6	#11610.00	45.7 AV	54.00	-8.30	1.03 H	264	-5.20	51.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5056.00	55.1 PK	74.00	-18.90	1.07 V	213	18.00	37.00
1	#5056.00	47.3 AV	54.00	-6.70	1.07 V	213	10.30	37.00
2	#5408.00	55.1 PK	74.00	-18.90	1.68 V	6	18.10	37.00
2	#5408.00	46.0 AV	54.00	-8.00	1.68 V	6	8.90	37.00
3	*5805.00	104.9 PK			1.56 V	3	67.20	37.70
3	*5805.00	97.3 AV			1.56 V	3	59.60	37.70
4	5825.00	78.9 PK	82.80	-3.90	1.08 V	6	41.20	37.70
5	5835.00	67.1 PK	72.80	-5.70	1.54 V	55	29.40	37.70
6	#11610.00	60.8 PK	74.00	-13.20	1.06 V	353	9.80	51.00
6	#11610.00	49.9 AV	54.00	-4.10	1.06 V	353	-1.00	51.00

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*": Fundamental frequency
6. "#": The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo Mode	**CHANNEL**	1
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	54.6 PK	74.00	-19.40	1.09 H	8	17.60	37.00
1	#5088.00	48.2 AV	54.00	-5.80	1.09 H	8	11.20	37.00
2	#5150.00	51.9 PK	74.00	-22.10	1.06 H	113	14.90	37.00
2	#5150.00	44.6 AV	54.00	-9.40	1.06 H	113	7.60	37.00
3	*5210.00	93.7 PK			1.45 H	24	56.70	37.00
3	*5210.00	86.7 AV			1.45 H	24	49.70	37.00
4	#5440.00	49.4 PK	74.00	-24.60	1.25 H	236	12.40	37.00
5	10420.00	47.3 PK	68.30	-21.00	1.07 H	254	2.50	44.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	58.4 PK	74.00	-15.60	1.58 V	9	21.30	37.00
1	#5088.00	49.6 AV	54.00	-4.40	1.58 V	9	12.60	37.00
2	#5150.00	56.9 PK	74.00	-17.10	1.08 V	57	19.90	37.00
2	#5150.00	49.2 AV	54.00	-4.80	1.08 V	57	12.20	37.00
3	*5210.00	99.2 PK			1.54 V	24	62.20	37.00
3	*5210.00	92.2 AV			1.54 V	24	55.20	37.00
4	#5440.00	59.4 PK	74.00	-14.60	1.03 V	31	22.30	37.00
4	#5440.00	50.4 AV	54.00	-3.60	1.03 V	31	13.30	37.00
5	10420.00	51.4 PK	68.30	-16.90	1.54 V	212	6.50	44.80

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo Mode	**CHANNEL**	2
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	52.2 PK	74.00	-21.80	1.30 H	269	15.10	37.00
1	#5120.00	44.6 AV	54.00	-9.40	1.30 H	269	7.60	37.00
2	*5250.00	95.3 PK			1.41 H	29	58.30	37.00
2	*5250.00	87.1 AV			1.41 H	29	50.10	37.00
3	#5408.00	50.8 PK	74.00	-23.20	1.36 H	5	13.70	37.00
4	10500.00	50.9 PK	68.30	-17.40	1.08 H	222	5.90	45.00

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	51.4 PK	74.00	-22.60	1.04 V	249	14.40	37.00
1	#5120.00	46.2 AV	54.00	-7.80	1.04 V	249	9.20	37.00
2	*5250.00	100.5 PK			1.30 V	25	63.50	37.00
2	*5250.00	93.2 AV			1.30 V	25	56.20	37.00
3	#5408.00	57.2 PK	74.00	-16.80	1.06 V	329	20.20	37.00
3	#5408.00	50.4 AV	54.00	-3.60	1.06 V	329	13.40	37.00
4	10500.00	52.0 PK	68.30	-16.20	1.00 V	28	7.00	45.00

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.