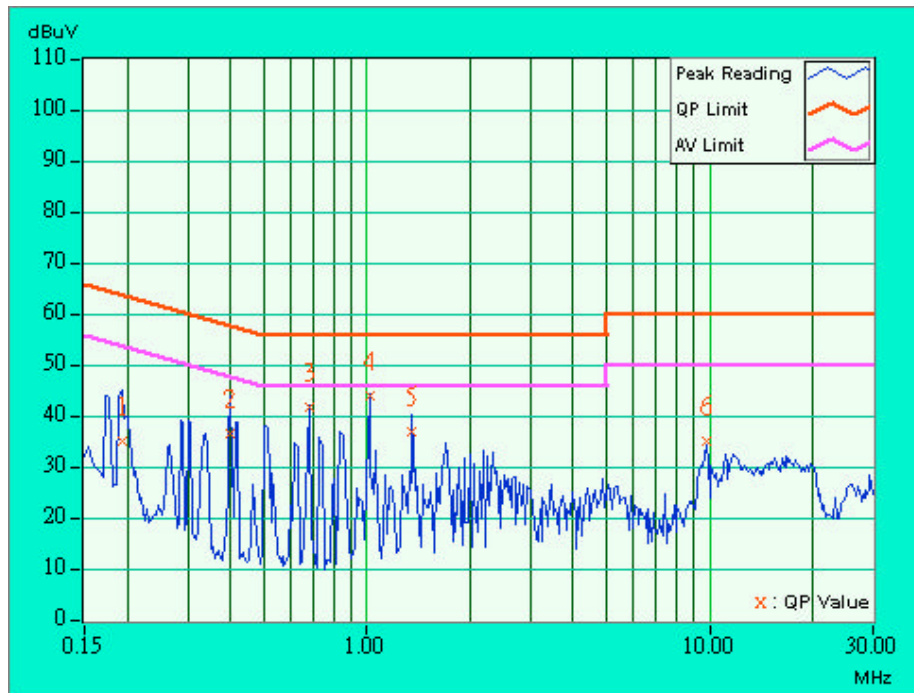




EUT	Wireless LAN Access Point		
MODEL	A300-2	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	TESTED BY	Larry Peng
TEST MODE	802.11a		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.193	0.20	34.48	-	34.68	-	63.91
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

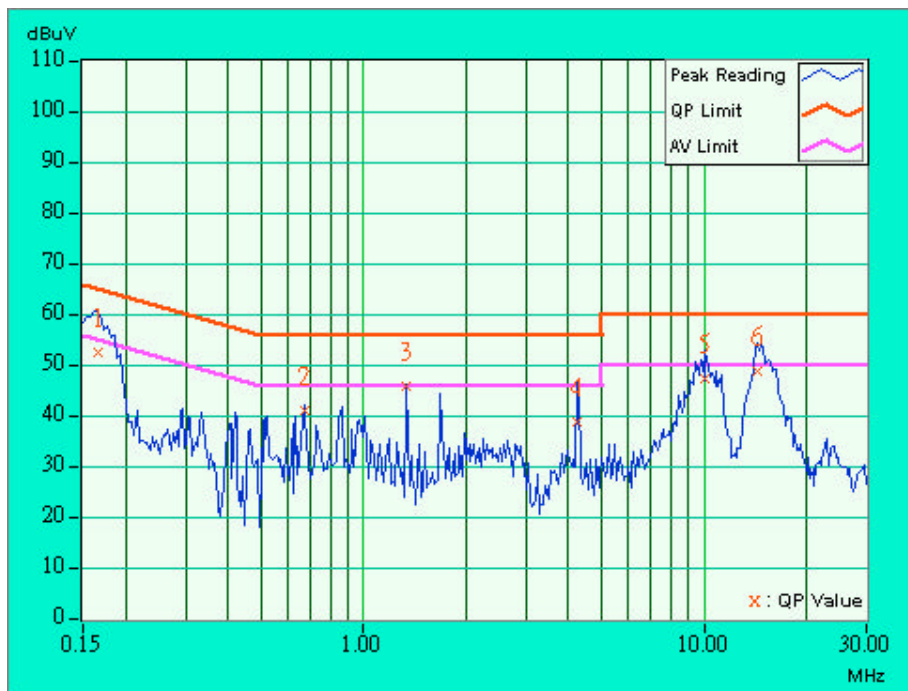




EUT	Wireless LAN Access Point		
MODEL	A300-2	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	TESTED BY	Larry Peng
TEST MODE	802.11a and draft 802.11g		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.166	0.20	51.63	-	51.83	-	65.18
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

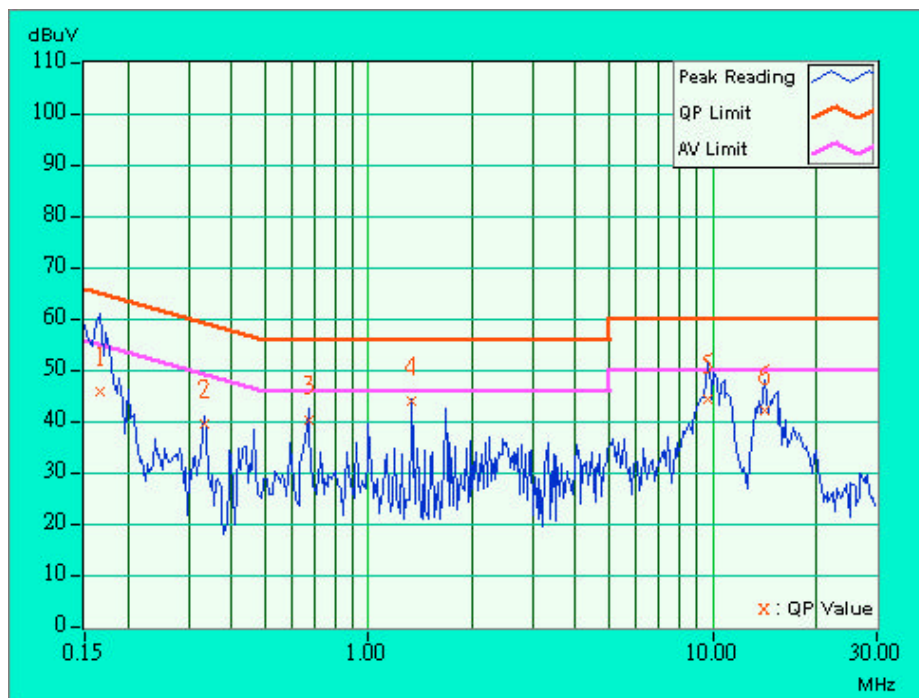




EUT	Wireless LAN Access Point		
MODEL	A300-2	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 69RH, 976 hPa	TESTED BY	Larry Peng
TEST MODE	802.11a and draft 802.11g		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.166	0.20	45.02	-	45.22	-	65.18
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 (dB μ V/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

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



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.

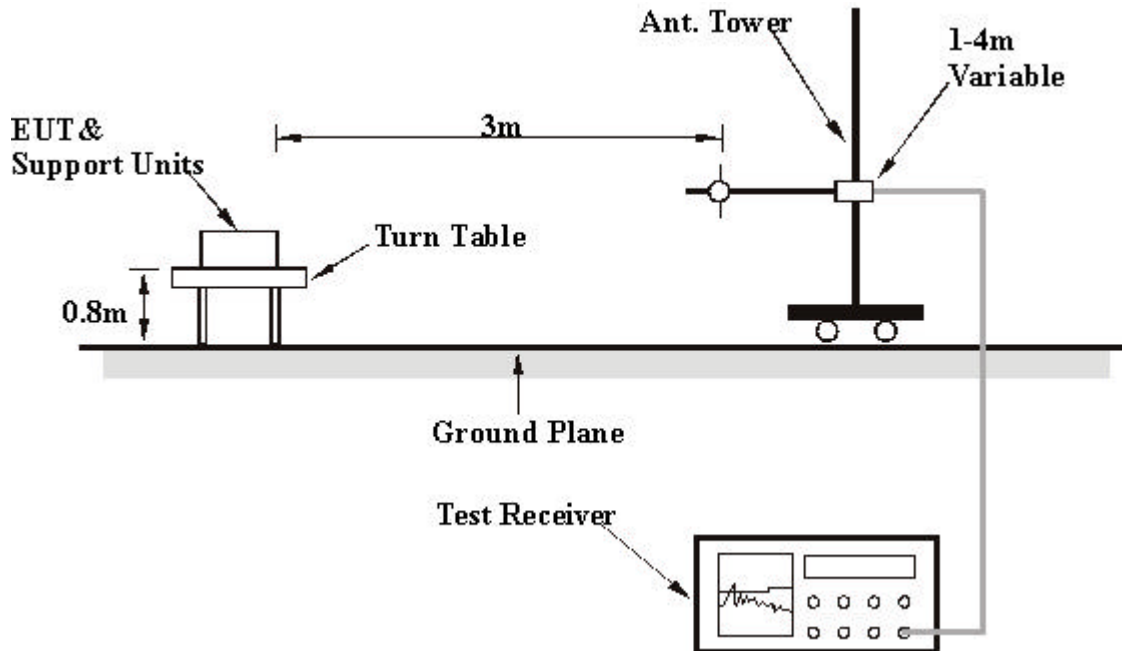
NOTE:

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	Wireless LAN Access Point		
MODEL	A300-2	DETECTOR FUNCTION	Quasi-Peak
FREQUENCY RANGE	Below 1000MHz	INPUT POWER (SYSTEM)	120Vac, 60Hz
ENVIRONMENTAL CONDITIONS	29 deg. C, 56%RH, 976 hPa	TESTED BY	Eric 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 (A)

EUT	Wireless LAN Access Point	MODEL	A300-2
MODE	Normal Mode	CHANNEL	1
FREQUENCY RANGE	1000MHz~24835MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Eric 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:

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



EUT	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	Wireless LAN Access Point	MODEL	A300-2
MODE	Normal Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~4000MHz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Eric 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 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	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	Wireless LAN Access Point	MODEL	A300-2
MODE	Normal Mode	CHANNEL	8
FREQUENCY RANGE	1000MHz~4000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Eric 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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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:

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



EUT	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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:

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



EUT	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo Mode	CHANNEL	3
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	Eric 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	1.30 H	61	13.90	37.00
1	#5088.00	44.6 AV	54.00	-9.40	1.30 H	61	7.50	37.00
2	*5290.00	95.1 PK			1.58 H	99	58.00	37.00
2	*5290.00	86.7 AV			1.58 H	99	49.60	37.00
3	#5350.00	51.2 PK	74.00	-22.80	1.33 H	119	14.10	37.00
3	#5350.00	41.0 AV	54.00	-13.00	1.33 H	119	4.00	37.00
4	#5408.00	50.4 PK	74.00	-23.60	1.54 H	26	13.40	37.00
5	10580.00	51.8 PK	68.30	-16.50	1.35 H	26	6.00	45.70

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	56.0 PK	74.00	-18.00	1.11 V	9	19.00	37.00
1	#5088.00	49.6 AV	54.00	-4.40	1.11 V	9	12.60	37.00
2	*5290.00	98.9 PK			1.00 V	0	61.90	37.00
2	*5290.00	91.2 AV			1.00 V	0	54.20	37.00
3	#5350.00	57.0 PK	74.00	-17.00	1.05 V	24	20.00	37.00
3	#5350.00	47.8 AV	54.00	-6.20	1.05 V	24	10.80	37.00
4	#5408.00	59.4 PK	74.00	-14.60	1.05 V	24	22.30	37.00
4	#5408.00	50.8 AV	54.00	-3.20	1.05 V	24	13.70	37.00
5	10580.00	55.1 PK	68.30	-13.20	1.52 V	329	9.40	45.70

NOTE:

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



EUT	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo 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	Eric 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	51.4 PK	74.00	-22.60	1.41 H	222	14.40	37.00
1	#5120.00	44.1 AV	54.00	-9.90	1.41 H	222	7.10	37.00
2	#5440.00	49.4 PK	74.00	-24.60	1.02 H	24	12.30	37.00
3	5715.00	59.1 PK	72.80	-13.70	1.33 H	6	21.60	37.50
4	5725.00	71.3 PK	82.80	-11.50	1.20 H	249	33.80	37.50
5	*5760.00	95.7 PK			1.22 H	289	58.10	37.60
5	*5760.00	87.8 AV			1.22 H	289	50.20	37.50
6	#11520.00	58.0 PK	74.00	-16.00	1.29 H	356	6.70	51.30
6	#11520.00	47.0 AV	54.00	-7.00	1.29 H	356	-4.30	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	55.6 PK	74.00	-18.40	1.36 V	160	18.50	37.00
1	#5120.00	48.6 AV	54.00	-5.40	1.36 V	160	11.50	37.00
2	#5440.00	57.0 PK	74.00	-17.00	1.39 V	65	19.90	37.00
2	#5440.00	49.0 AV	54.00	-5.00	1.39 V	65	12.00	37.00
3	5715.00	66.2 PK	72.80	-6.60	1.25 V	8	28.70	37.50
4	5725.00	76.4 PK	82.80	-6.40	1.55 V	68	38.90	37.50
5	*5760.00	101.5 PK			1.09 V	6	63.90	37.60
5	*5760.00	94.6 AV			1.09 V	6	57.00	37.60
6	#11520.00	61.0 PK	74.00	-13.00	1.25 V	24	9.70	51.30
6	#11520.00	51.2 AV	54.00	-2.80	1.25 V	24	-0.10	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	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo 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	Eric 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	48.6 PK	74.00	-25.40	1.05 H	34	11.60	37.00
2	#5440.00	50.7 PK	74.00	-23.30	1.01 H	260	13.70	37.00
3	*5800.00	96.4 PK			1.33 H	26	58.70	37.70
3	*5800.00	88.7 AV			1.33 H	26	51.00	37.00
4	5825.00	70.0 PK	82.80	-12.80	1.55 H	87	32.30	37.70
5	5835.00	60.0 PK	72.80	-12.80	1.09 H	68	22.30	37.70
6	#11600.00	56.8 PK	74.00	-17.20	1.05 H	258	5.80	51.00
6	#11600.00	45.8 AV	54.00	-8.20	1.05 H	258	-5.20	37.70

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	57.2 PK	74.00	-16.80	1.57 V	45	20.10	37.00
1	#5088.00	49.6 AV	54.00	-4.40	1.57 V	45	12.60	37.00
2	#5440.00	60.4 PK	74.00	-13.60	1.03 V	247	23.40	37.00
2	#5440.00	50.9 AV	54.00	-3.10	1.03 V	247	13.90	37.00
3	*5800.00	99.8 PK			1.25 V	47	62.10	37.70
3	*5800.00	94.5 AV			1.25 V	47	56.80	37.70
4	5825.00	75.2 PK	82.80	-7.60	1.04 V	55	37.50	37.70
5	5835.00	64.3 PK	72.80	-8.50	1.57 V	227	26.50	37.70
6	#11600.00	58.8 PK	74.00	-15.20	1.63 V	325	7.80	51.00
6	#11600.00	50.0 AV	54.00	-4.00	1.63 V	325	-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.



5.2.10 TEST RESULTS (B)

EUT	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	43.0 PK	74.00	-31.00	1.79 H	62	5.70	37.30
2	#5120.00	47.5 PK	74.00	-26.50	1.03 H	258	10.00	37.50
3	*5260.00	98.1 PK			1.53 H	62	60.00	38.10
3	*5260.00	90.4 AV			1.53 H	62	52.30	38.10
4	10520.00	45.5 PK	68.30	-22.80	1.68 H	42	1.00	44.50

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	51.1 PK	74.00	-22.90	1.35 V	246	13.70	37.30
1	#5088.00	42.3 AV	54.00	-11.70	1.35 V	246	5.00	37.30
2	#5120.00	54.0 PK	74.00	-20.00	1.02 V	44	16.50	37.50
2	#5120.00	46.7 AV	54.00	-7.30	1.02 V	44	9.20	37.50
3	*5260.00	106.1 PK			1.15 V	2	68.00	38.10
3	*5260.00	98.3 AV			1.15 V	2	60.20	38.10
4	10520.00	51.7 PK	68.30	-16.60	1.05 V	41	7.20	44.50

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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	*5320.00	97.6 PK			1.01 H	41	59.20	38.40
1	*5320.00	90.1 AV			1.01 H	41	51.70	38.40
2	#5350.00	50.2 PK	74.00	-23.80	1.36 H	52	11.70	38.50
3	#5376.00	54.0 PK	74.00	-20.00	1.74 H	45	15.30	38.70
3	#5376.00	44.6 AV	54.00	-9.40	1.74 H	45	5.90	38.70
4	#5408.00	49.0 PK	74.00	-25.00	1.35 H	26	10.20	38.80
5	#5440.00	52.2 PK	74.00	-21.80	1.42 H	54	13.20	39.00
5	#5440.00	43.9 AV	54.00	-10.10	1.42 H	54	4.90	39.00
6	#10640.00	47.7 PK	74.00	-26.30	1.00 H	147	2.00	45.70

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	*5320.00	105.9 PK			1.00 V	12	67.50	38.40
1	*5320.00	97.9 AV			1.00 V	12	59.50	38.40
2	#5350.00	62.3 PK	74.00	-11.70	1.02 V	60	23.80	38.50
2	#5350.00	52.0 AV	54.00	-2.00	1.02 V	60	13.50	38.50
3	#5376.00	63.2 PK	74.00	-10.80	1.65 V	42	24.50	38.70
3	#5376.00	52.9 AV	54.00	-1.10	1.65 V	42	14.20	38.70
4	#5408.00	57.2 PK	74.00	-16.80	1.02 V	10	18.40	38.80
4	#5408.00	48.5 AV	54.00	-5.50	1.02 V	10	9.70	38.80
5	#5440.00	61.2 PK	74.00	-12.80	1.02 V	24	22.30	39.00
5	#5440.00	52.6 AV	54.00	-1.40	1.02 V	24	13.70	39.00
6	#10640.00	52.7 PK	74.00	-21.30	1.44 V	75	7.00	45.70
6	#10640.00	43.9 AV	54.00	-10.10	1.44 V	75	-1.80	45.70

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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	#5376.00	46.4 PK	74.00	-27.60	1.02 H	14	7.70	38.70
2	5715.00	62.2 PK	68.30	-6.10	1.47 H	74	22.10	40.00
3	5725.00	68.3 PK	78.30	-10.00	1.08 H	217	28.20	40.10
4	*5745.00	98.7 PK			1.15 H	5	58.50	40.10
4	*5745.00	90.7 AV			1.15 H	5	50.60	40.10
5	#11490.00	53.9 PK	74.00	-20.10	1.00 H	223	2.50	51.40
5	#11490.00	44.0 AV	54.00	-10.00	1.00 H	223	-7.50	51.40

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	#5376.00	53.8 PK	74.00	-20.20	1.57 V	24	15.10	38.70
1	#5376.00	46.1 AV	54.00	-7.90	1.57 V	24	7.40	38.70
2	5715.00	68.9 PK	74.30	-5.40	1.25 V	39	28.90	40.00
3	5725.00	76.6 PK	78.30	-1.70	1.24 V	25	36.50	40.10
4	*5745.00	107.6 PK			1.01 V	5	67.50	40.10
4	*5745.00	98.5 AV			1.01 V	5	58.30	40.10
5	#11490.00	56.6 PK	74.00	-17.40	1.11 V	35	5.10	51.40
5	#11490.00	48.0 AV	54.00	-6.00	1.11 V	35	-3.40	51.40

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	Wireless LAN Access Point	MODEL	A300-2
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	Eric 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	#5376.00	44.7 PK	74.00	-29.30	1.57 H	48	6.10	38.70
2	*5805.00	99.0 PK			1.11 H	208	58.60	40.40
2	*5805.00	91.4 AV			1.11 H	208	51.00	40.40
3	#5825.00	72.4 PK	78.30	-5.90	1.42 H	208	32.00	40.40
4	5835.00	63.5 PK	68.30	-4.80	1.25 H	20	23.00	40.50
5	#11610.00	52.9 PK	74.00	-21.10	1.37 H	59	1.80	51.10
5	#11610.00	43.6 AV	54.00	-10.40	1.37 H	59	-7.60	51.10

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	#5376.00	53.9 PK	74.00	-20.10	1.45 V	24	15.30	38.70
1	#5376.00	45.8 AV	54.00	-8.20	1.45 V	24	7.10	38.70
2	*5805.00	107.4 PK			1.00 V	6	67.00	40.40
2	*5805.00	98.9 AV			1.00 V	6	58.60	40.40
3	5825.00	76.4 PK	78.30	-1.90	1.25 V	13	36.00	40.40
4	5835.00	68.5 PK	74.30	-5.80	1.26 V	38	28.00	40.50
5	#11610.00	56.5 PK	74.00	-17.50	1.82 V	15	5.30	51.10
5	#11610.00	47.3 AV	54.00	-6.70	1.82 V	15	-3.80	51.10

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	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo Mode	CHANNEL	3
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	Eric 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	*5290.00	89.9 PK			1.72 H	213	51.60	38.30
1	*5290.00	82.5 AV			1.72 H	213	44.30	38.30
2	#5350.00	43.9 PK	74.00	-30.10	1.36 H	62	5.40	38.50
3	#5376.00	51.9 PK	74.00	-22.10	1.52 H	152	13.30	38.70
3	#5376.00	42.9 AV	54.00	-11.10	1.52 H	152	4.20	38.70
4	#5408.00	42.5 PK	74.00	-31.50	1.42 H	58	3.60	38.80
5	#5440.00	43.0 PK	74.00	-31.00	1.52 H	41	4.00	39.00
6	10580.00	48.0 PK	68.30	-20.30	1.45 H	213	2.90	45.10

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	*5290.00	99.0 PK			1.00 V	6	60.70	38.30
1	*5290.00	91.5 AV			1.00 V	6	53.20	38.30
2	#5350.00	53.2 PK	74.00	-20.80	1.72 V	201	14.70	38.50
2	#5350.00	46.9 AV	54.00	-7.10	1.72 V	201	8.30	38.50
3	#5376.00	61.2 PK	74.00	-12.80	1.35 V	324	22.50	38.70
3	#5376.00	52.6 AV	54.00	-1.40	1.35 V	324	13.90	38.70
4	#5408.00	50.0 PK	74.00	-24.00	1.54 V	24	11.20	38.80
5	#5440.00	51.3 PK	74.00	-22.70	1.02 V	22	12.30	39.00
5	#5440.00	42.6 AV	54.00	-11.40	1.02 V	22	3.70	39.00
6	10580.00	51.2 PK	68.30	-17.10	1.02 V	14	6.10	45.10

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	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo 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	Eric 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	#5376.00	46.1 PK	74.00	-27.90	1.54 H	21	7.40	38.70
2	5715.00	62.3 PK	68.30	-6.00	1.74 H	145	22.20	40.00
3	5725.00	72.7 PK	78.30	-5.60	1.02 H	86	32.60	40.10
4	*5760.00	93.8 PK			1.79 H	98	53.60	40.20
4	*5760.00	86.4 AV			1.79 H	98	46.20	40.20
5	#11520.00	52.9 PK	74.00	-21.10	1.02 H	5	1.50	51.40
5	#11520.00	43.9 AV	54.00	-10.10	1.02 H	5	-7.50	51.40

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	#5376.00	52.7 PK	74.00	-21.30	1.02 V	14	14.10	38.70
1	#5376.00	46.1 AV	54.00	-7.90	1.02 V	14	7.40	38.70
2	5715.00	69.3 PK	74.30	-5.00	1.47 V	45	29.20	40.00
3	5725.00	79.3 PK	84.30	-5.00	1.30 V	223	39.20	40.10
4	*5760.00	101.4 PK			1.02 V	41	61.20	40.20
4	*5760.00	94.2 AV			1.02 V	41	54.00	40.20
5	#11520.00	56.9 PK	74.00	-17.10	1.35 V	220	5.50	51.40
5	#11520.00	47.9 AV	54.00	-6.10	1.35 V	220	-3.50	51.40

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	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo 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	Eric 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	#5376.00	45.9 PK	74.00	-28.10	1.25 H	62	7.20	38.70
2	*5800.00	93.6 PK			1.60 H	326	53.20	40.40
2	*5800.00	85.4 AV			1.60 H	326	45.10	40.40
3	5825.00	67.8 PK	78.30	-10.50	1.54 H	74	27.30	40.40
4	5835.00	64.1 PK	68.30	-4.20	1.65 H	254	23.60	40.50
5	#11600.00	52.9 PK	74.00	-21.10	1.41 H	320	1.80	51.20
5	#11600.00	43.6 AV	54.00	-10.40	1.41 H	320	-7.60	51.20

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	#5376.00	53.7 PK	74.00	-20.30	1.02 V	41	15.10	38.70
1	#5376.00	46.8 AV	54.00	-7.20	1.02 V	41	8.10	38.70
2	*5800.00	101.4 PK			1.14 V	10	61.00	40.40
2	*5800.00	94.0 AV			1.14 V	10	53.60	40.40
3	5825.00	77.6 PK	84.30	-5.30	1.47 V	73	37.20	40.40
4	5835.00	69.5 PK	74.30	-4.80	1.64 V	321	29.00	40.50
5	#11600.00	56.6 PK	74.00	-17.40	1.47 V	54	5.40	51.20
5	#11600.00	46.6 AV	54.00	-7.40	1.47 V	54	-4.50	51.20

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.



5.3 PEAK TRANSMIT POWER MEASUREMENT

5.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.25 – 5.35 GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.725 – 5.825 GHz	The lesser of 1W (30dBm) or 17dBm + 10logB

Note: Where B is the 26dB emission bandwidth in MHz.

5.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2003

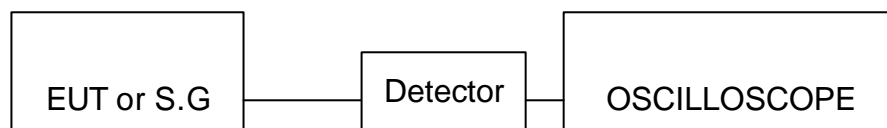
NOTE:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.3.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set the spectrum bandwidth span to view the entire spectrum.
3. Using peak detector and Max-hold function for Trace 1 (RB=1MHz, VB=3MHz) and 2 (RB=1MHz, VB=30KHz).
4. The largest difference between Trace 1 and Trace 2 in any 1MHz band on any frequency was recorded.

5.3.4 TEST SETUP



5.3.5 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.



5.3.6 TEST RESULTS (A)

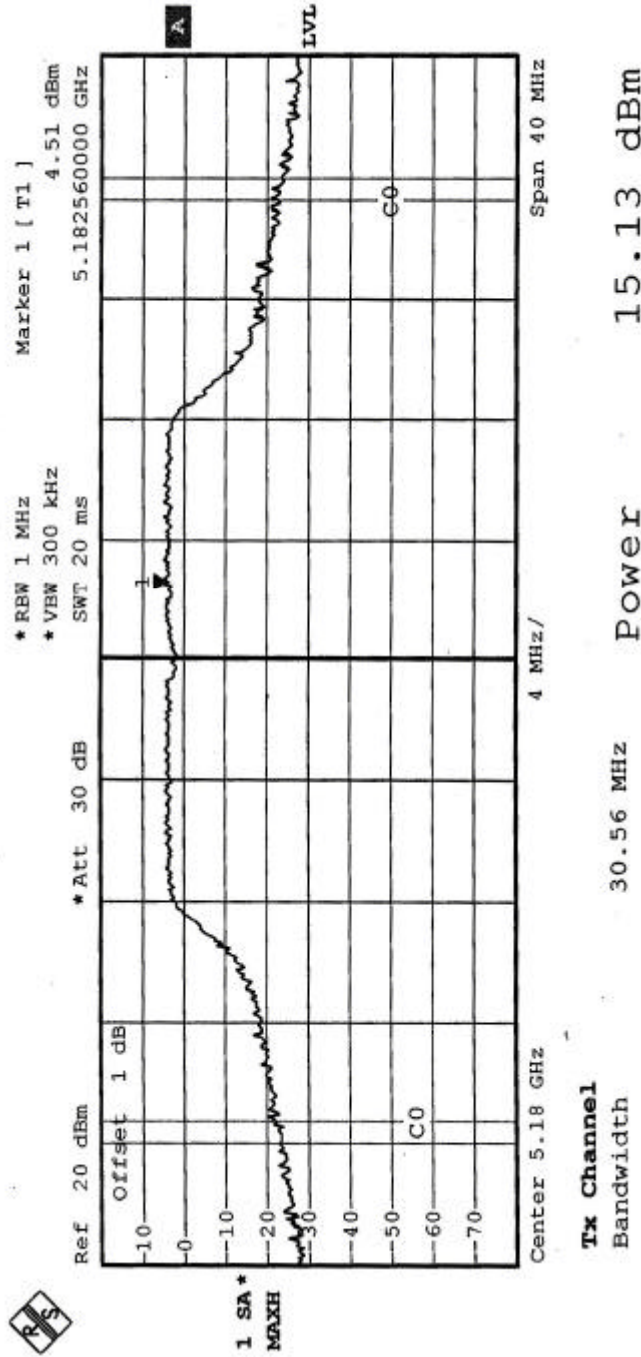
EUT	Wireless LAN Access Point	MODEL	A300-2
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 976 hPa	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	15.13	17.00	30.56	PASS
4	5240	15.37	17.00	30.80	PASS
5	5260	15.15	24.00	29.76	PASS
8	5320	15.14	24.00	30.32	PASS
9	5745	15.52	30.00	30.32	PASS
12	5805	15.14	30.00	32.72	PASS

NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.

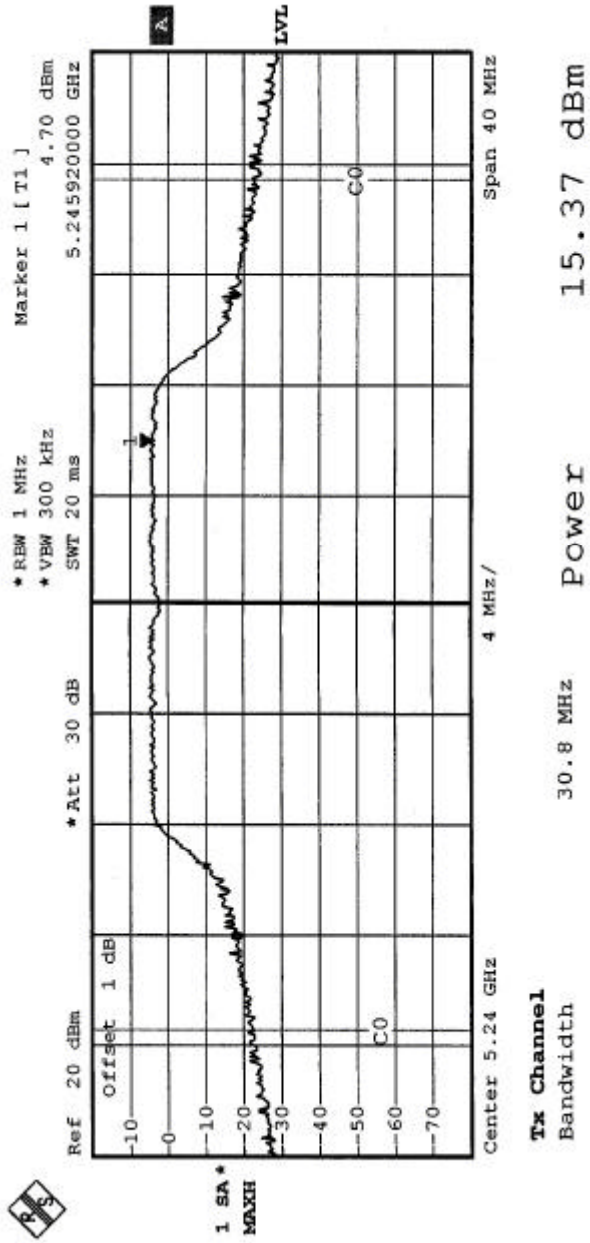


CHANNEL 1



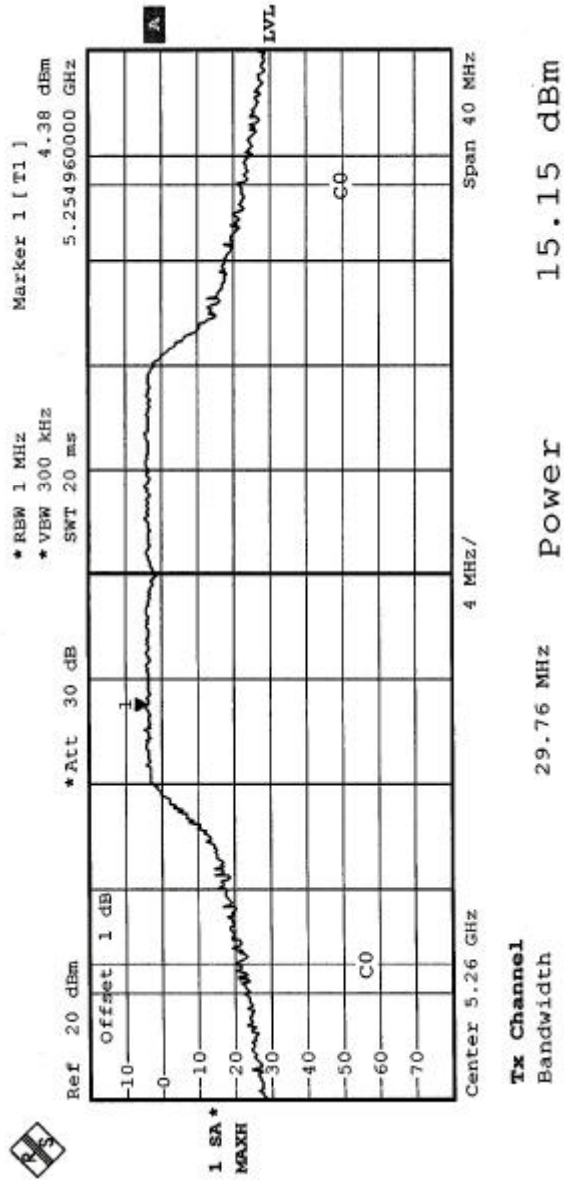


CHANNEL 4



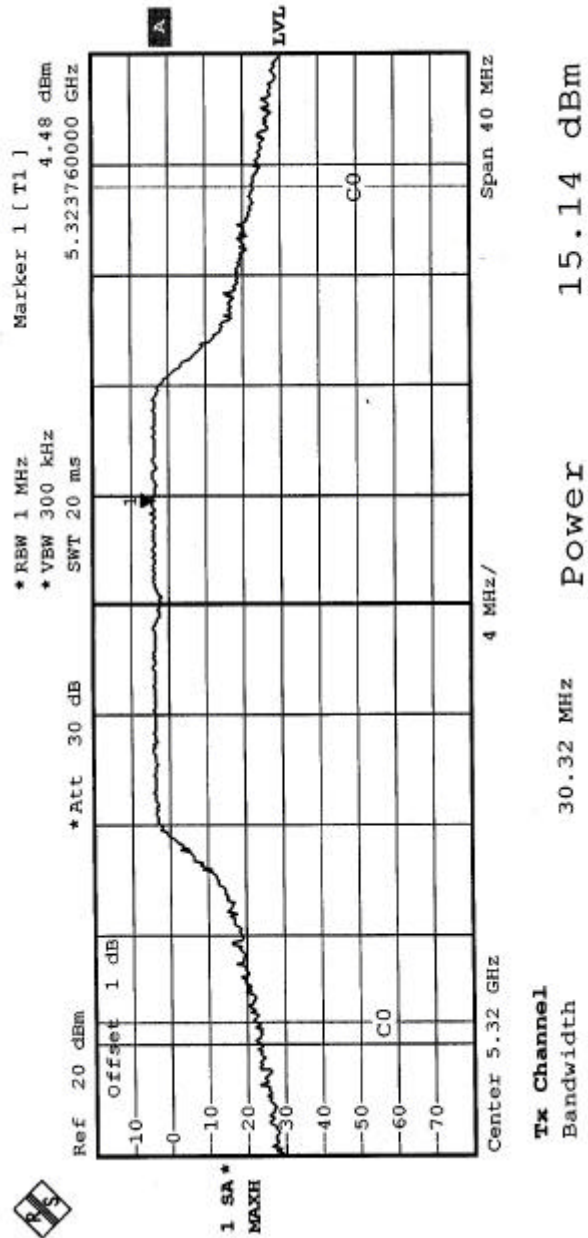


CHANNEL 5



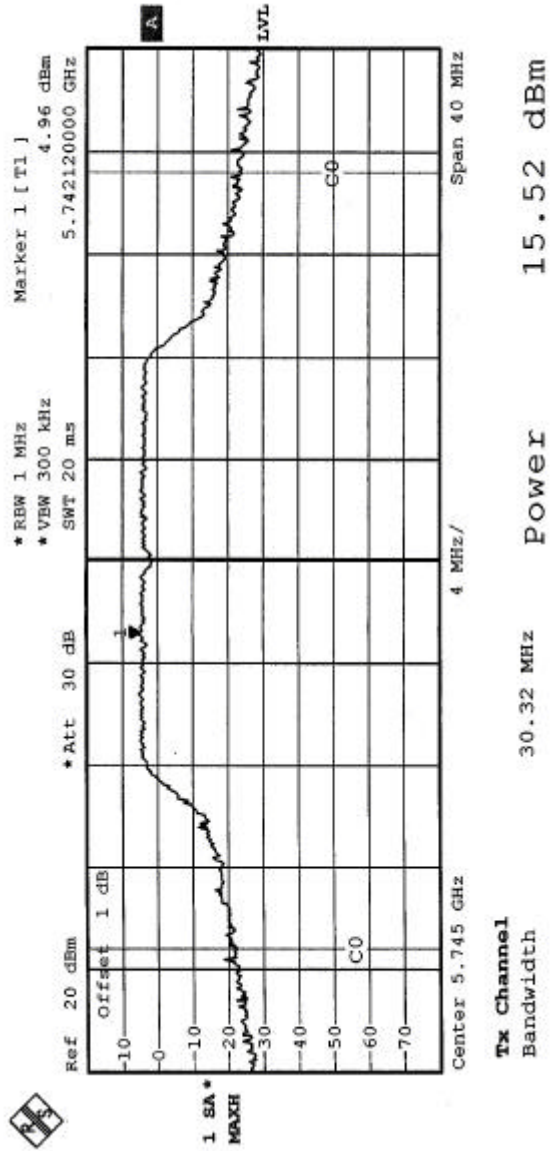


CHANNEL 8



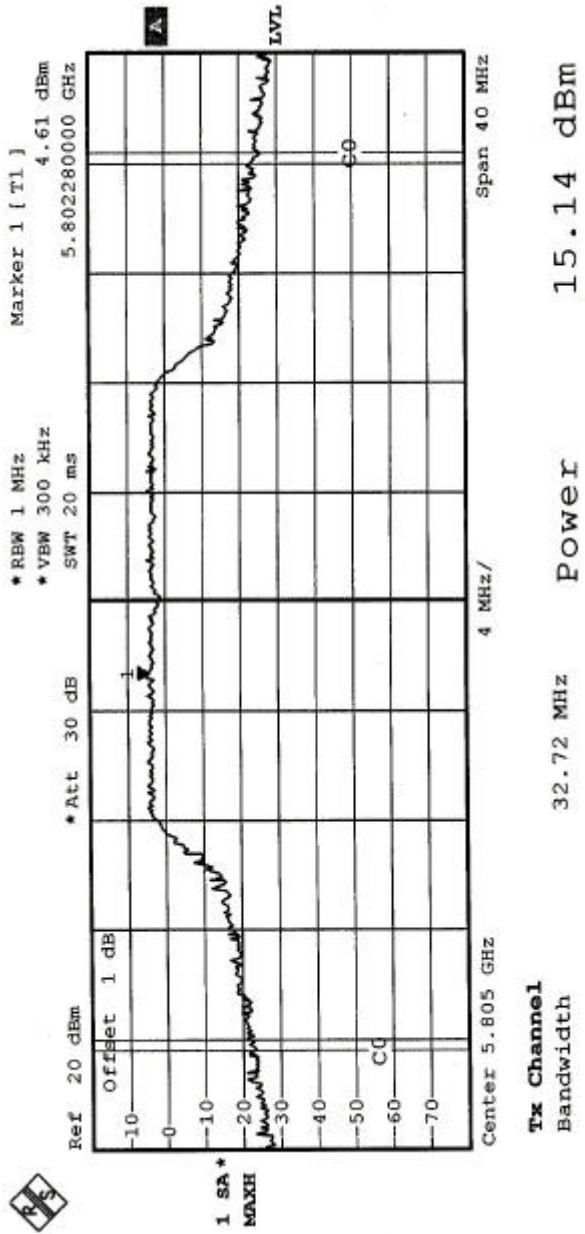


CHANNEL 9



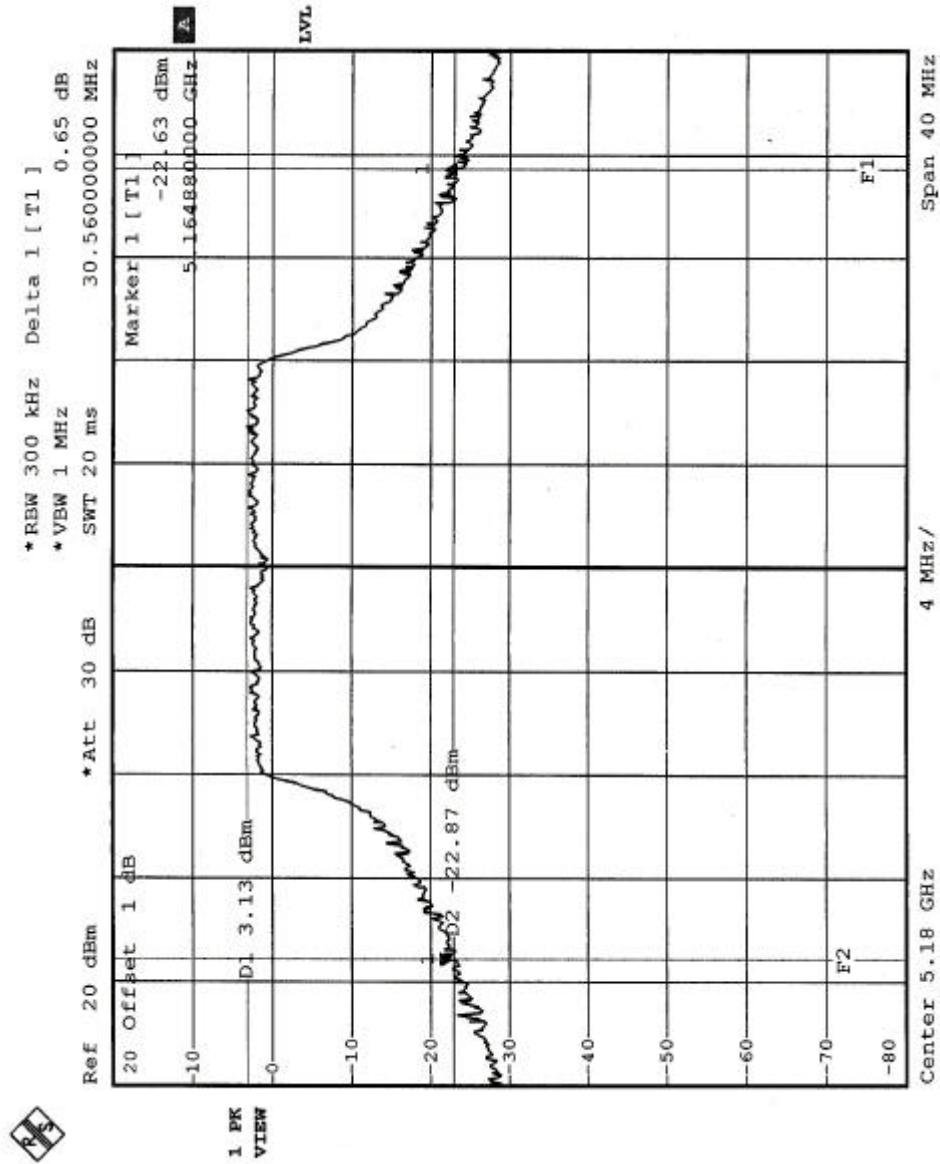


CHANNEL 12



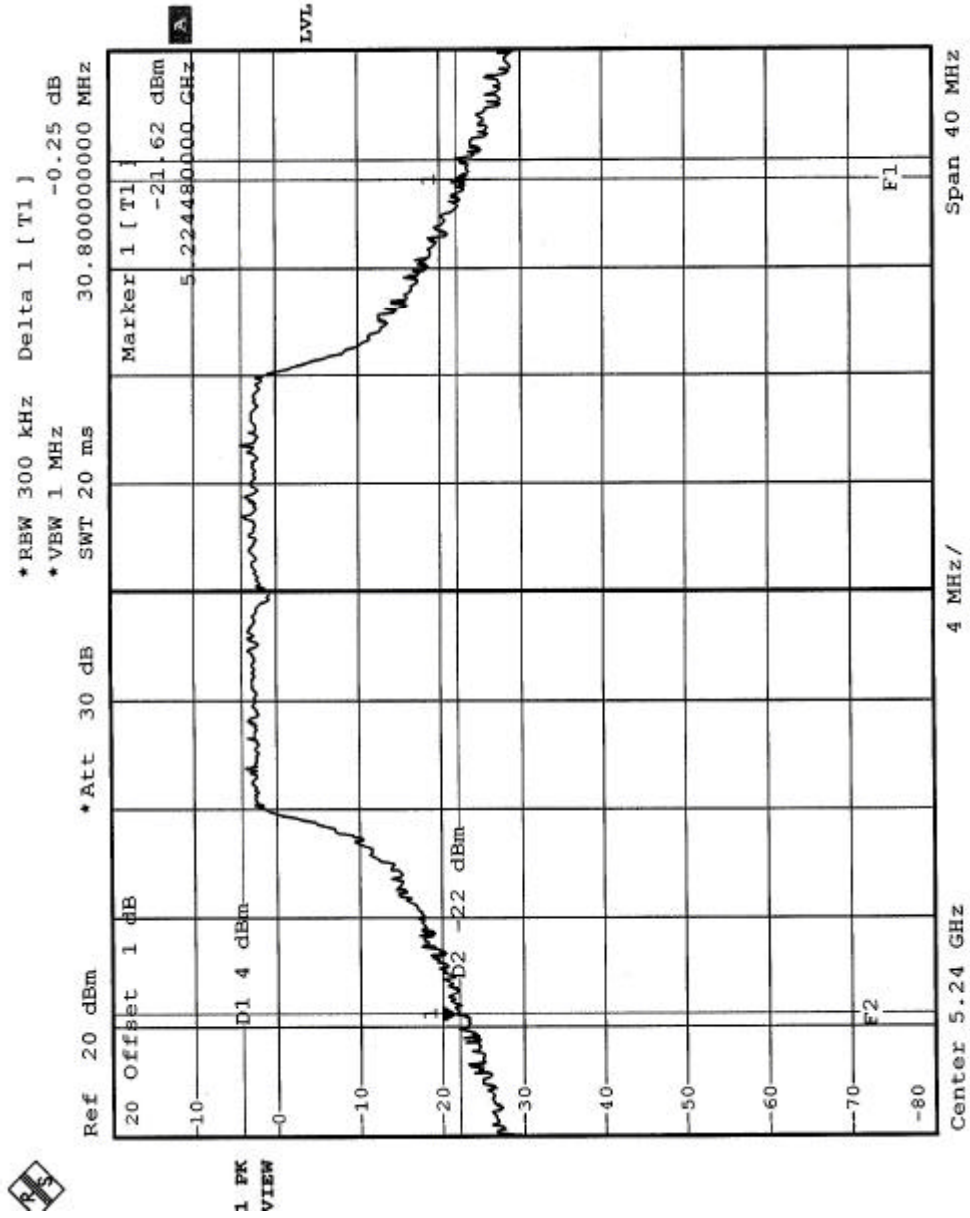


CHANNEL 1



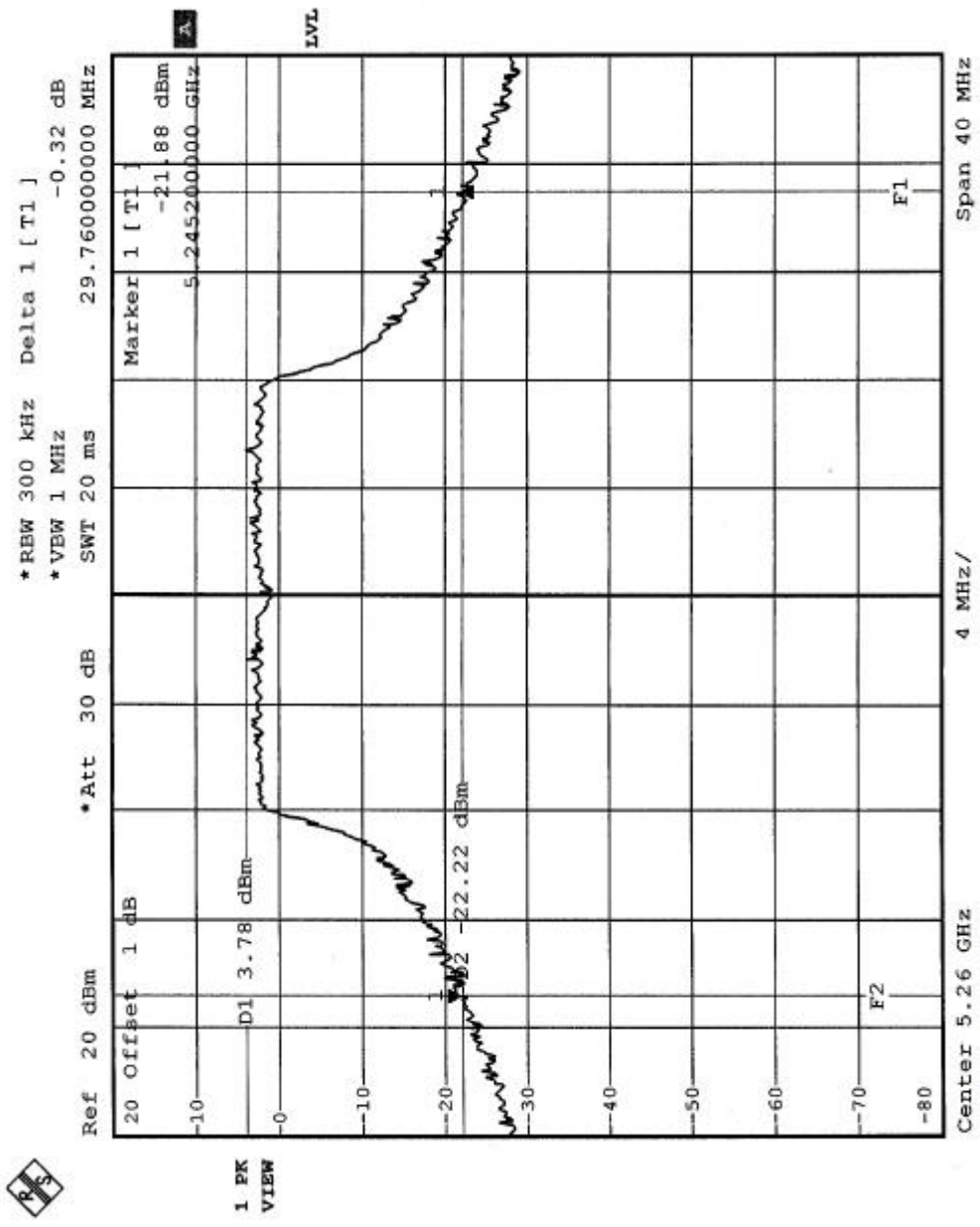


CHANNEL 4



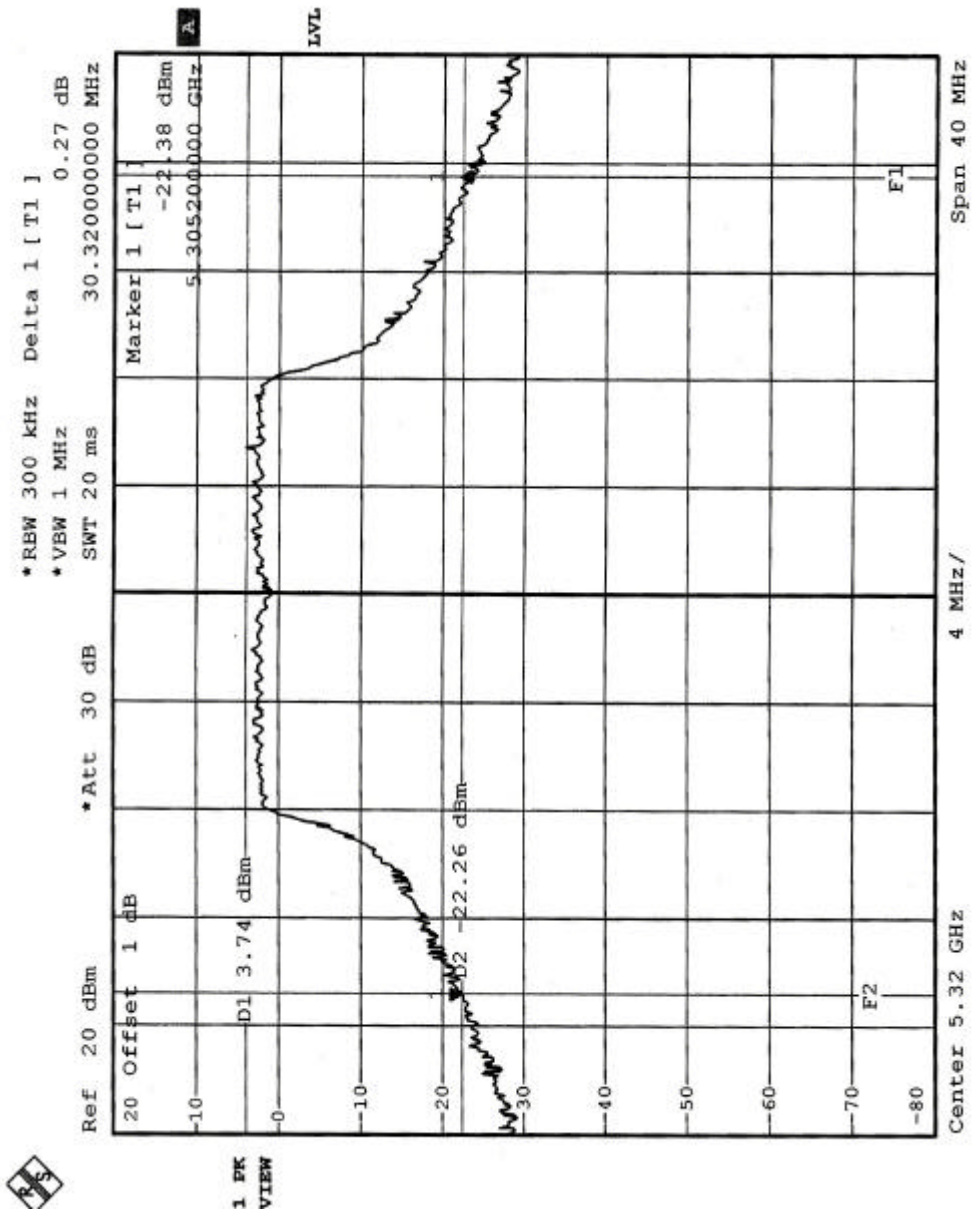


CHANNEL 5



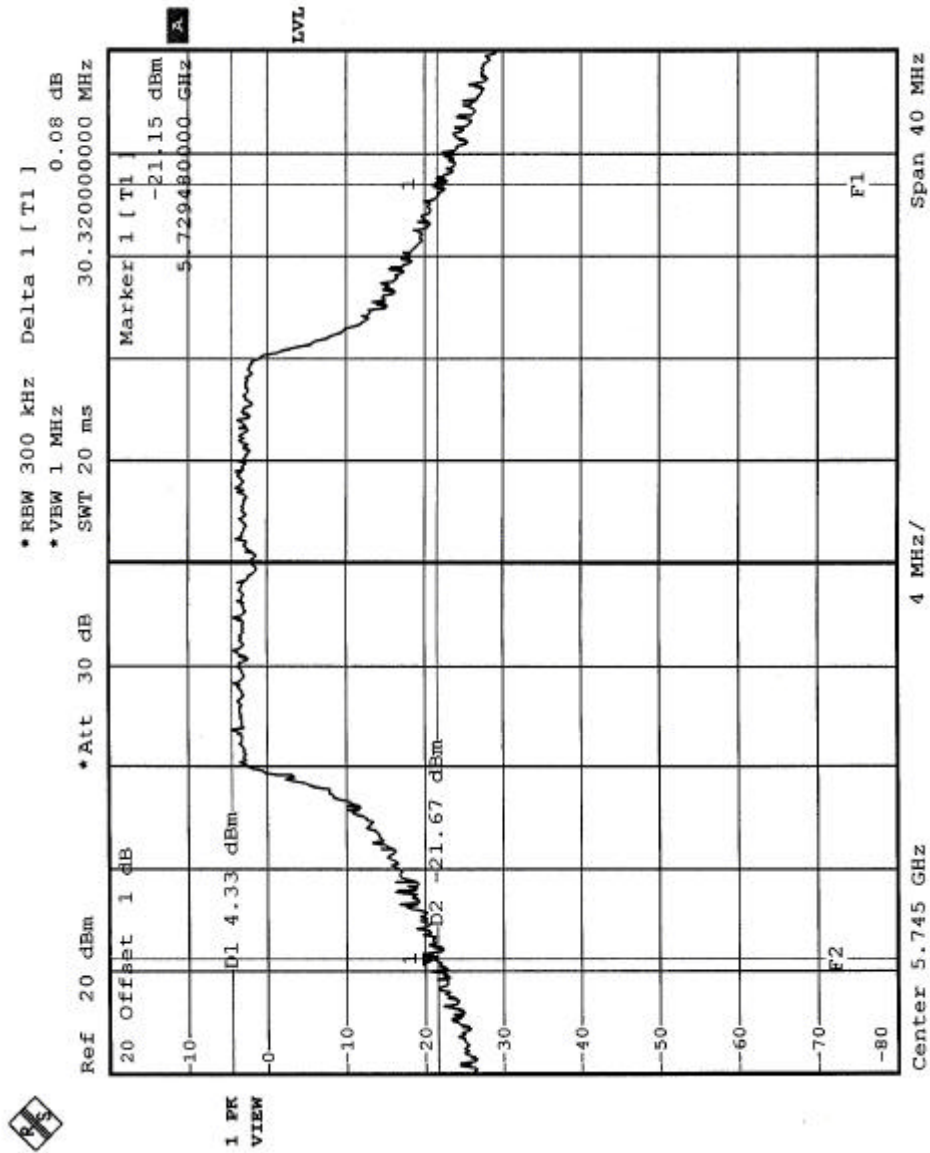


CHANNEL 8



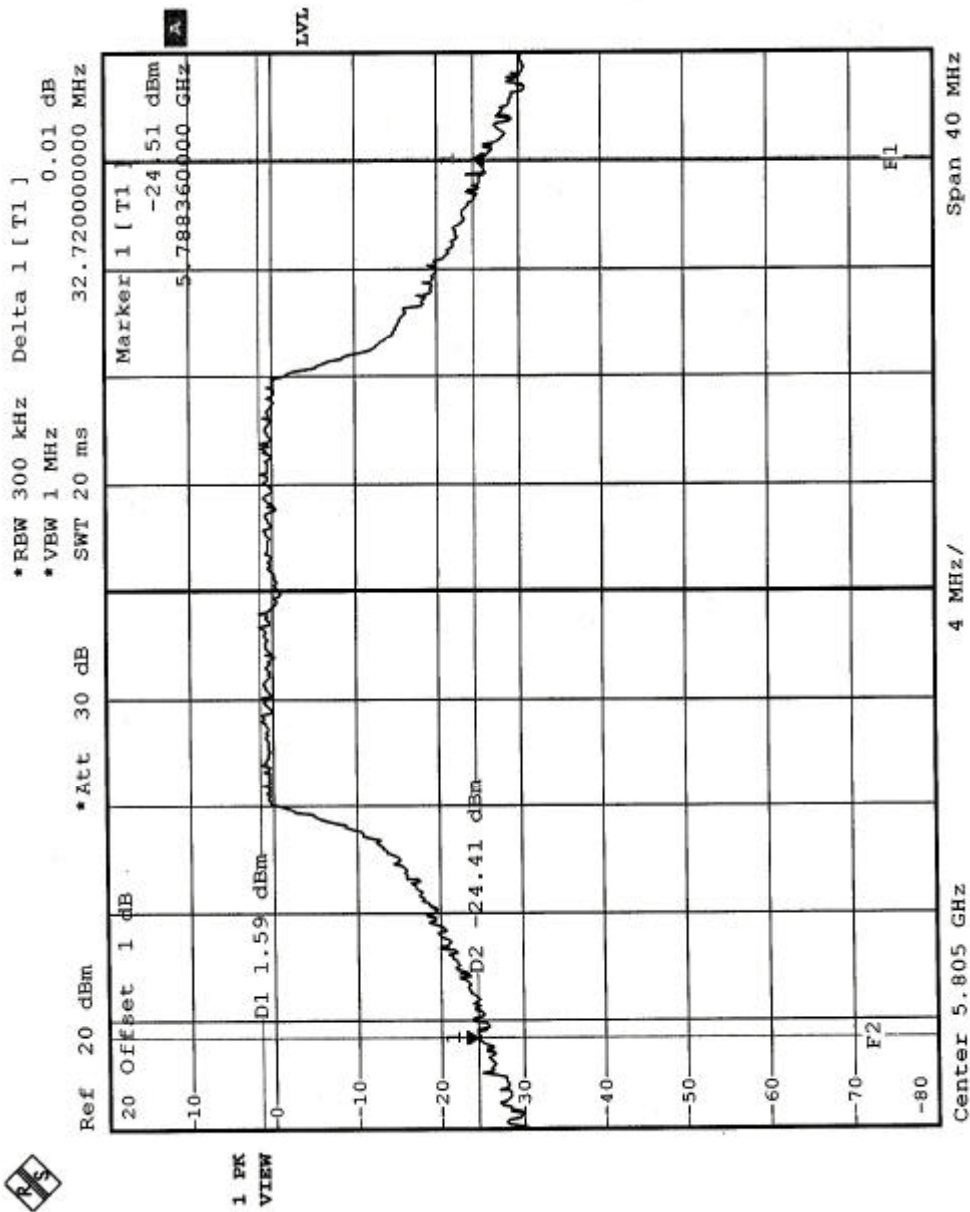


CHANNEL9





CHANNEL 12





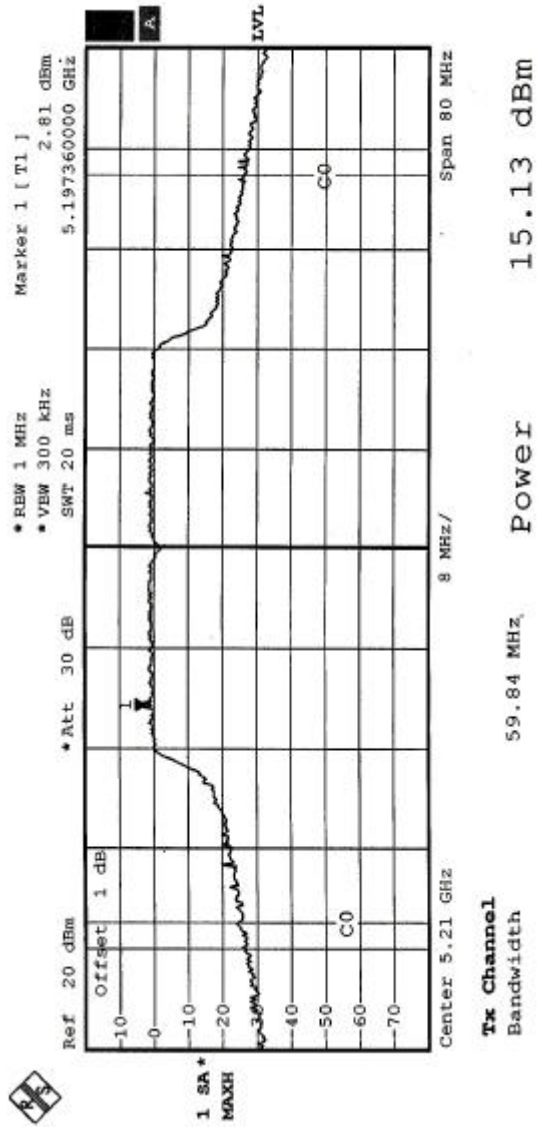
EUT	Wireless LAN Access Point	MODEL	A300-2
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	25eg. C, 66RH, 976 hPa	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	15.13	17.00	59.84	PASS
2	5250	15.53	24.00	57.60	PASS
3	5290	15.57	24.00	60.96	PASS
4	5760	15.43	30.00	61.76	PASS
5	5800	15.16	30.00	58.56	PASS

NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.



CHANNEL 1





CHANNEL 2

