



5.2.14 TEST RESULTS (ANTENNA 6)

STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	*5260.00	99.70 PK			1.33 H	0	62.70	37.00
1	*5260.00	91.70 AV			1.33 H	0	54.70	37.00
2	10520.00	49.60 PK	68.30	-18.70	1.60 H	2	4.50	45.20
3	#15780.00	50.80 PK	74.00	-23.20	1.58 H	1	2.90	47.90

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	*5260.00	95.70 PK			1.03 V	0	58.60	37.00
1	*5260.00	88.40 AV			1.03 V	0	51.40	37.00
2	10520.00	48.90 PK	68.30	-19.40	1.58 V	1	3.70	45.20
3	#15780.00	50.50 PK	74.00	-23.50	1.40 V	1	2.70	47.90

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	8
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	100.10 PK			1.40 H	1	63.10	37.00
1	*5320.00	92.10 AV			1.40 H	1	55.10	37.00
2	#5350.00	56.70 PK	74.00	-17.30	1.40 H	0	19.70	37.00
2	#5350.00	48.60 AV	54.00	-5.40	1.40 H	0	11.60	37.00
3	#5408.00	56.90 PK	74.00	-17.10	1.30 H	2	19.80	37.00
3	#5408.00	46.40 AV	54.00	-7.60	1.30 H	2	9.40	37.00
4	##10640.00	49.80 PK	74.00	-24.20	1.40 H	3	3.50	46.30
5	#15960.00	50.40 PK	74.00	-23.60	1.52 H	0	3.10	47.30

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	*5320.00	96.00 PK			1.04 V	1	59.00	37.00
1	*5320.00	89.00 AV			1.04 V	1	52.00	37.00
2	#5350.00	54.80 PK	74.00	-19.20	1.09 V	0	17.80	37.00
2	#5350.00	46.80 AV	54.00	-7.20	1.09 V	0	9.80	37.00
3	#5408.00	54.00 PK	74.00	-20.00	1.20 V	1	16.90	37.00
3	#5408.00	46.80 AV	54.00	-7.20	1.20 V	1	9.70	37.00
4	##10640.00	50.30 PK	74.00	-23.70	1.10 V	2	4.00	46.30
5	#15960.00	52.20 PK	74.00	-21.80	1.11 V	0	4.90	47.30
5	#15960.00	43.30 AV	54.00	-10.70	1.11 V	0	-4.00	47.30

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	9
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#3826.00	45.30 PK	74.00	-28.70	1.40 H	3	11.80	33.60
2	#5144.00	63.80 PK	74.00	-10.20	1.58 H	0	26.70	37.00
2	#5144.00	50.50 AV	54.00	-3.50	1.58 H	0	13.50	37.00
3	#5408.00	62.00 PK	74.00	-12.00	1.25 H	0	25.00	37.00
3	#5408.00	50.90 AV	54.00	-3.10	1.25 H	0	13.80	37.00
4	*5745.00	118.20 PK			1.32 H	0	80.60	37.60
4	*5745.00	111.30 AV			1.32 H	0	73.80	37.60
5	#11490.00	57.00 PK	74.00	-17.00	1.30 H	4	5.70	51.30
5	#11490.00	46.20 AV	54.00	-7.80	1.30 H	4	-5.20	51.30
6	17235.00	54.50 PK	68.30	-13.80	1.37 H	1	2.80	51.70

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	#3826.00	47.50 PK	74.00	-26.50	1.35 V	359	14.00	33.60
2	#5144.00	62.60 PK	74.00	-11.40	1.22 V	0	25.50	37.00
2	#5144.00	51.00 AV	54.00	-3.00	1.22 V	0	13.90	37.00
3	#5408.00	63.30 PK	74.00	-10.70	1.25 V	0	26.30	37.00
3	#5408.00	52.80 AV	54.00	-1.20	1.25 V	0	15.70	37.00
4	*5745.00	118.60 PK			1.70 V	2	81.00	37.60
4	*5745.00	111.50 AV			1.70 V	2	74.00	37.60
5	#11490.00	56.10 PK	74.00	-17.90	1.19 V	2	4.80	51.30
5	#11490.00	47.10 AV	54.00	-6.90	1.19 V	2	-4.30	51.30
6	17235.00	56.10 PK	68.30	-12.20	1.29 V	3	4.50	51.70

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	11
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#3856.00	49.40 PK	74.00	-24.60	1.18 H	359	15.80	33.60
2	#5150.00	62.60 PK	74.00	-11.40	1.31 H	358	25.50	37.00
2	#5150.00	51.40 AV	54.00	-2.60	1.31 H	358	14.40	37.00
3	#5460.00	61.10 PK	74.00	-12.90	1.29 H	359	24.10	37.00
3	#5460.00	50.90 AV	54.00	-3.10	1.29 H	359	13.90	37.00
4	*5785.00	118.40 PK			1.34 H	359	80.80	37.60
4	*5785.00	111.10 AV			1.34 H	359	73.40	37.60
5	#11570.00	55.90 PK	74.00	-18.10	1.20 H	1	4.80	51.10
5	#11570.00	46.90 AV	54.00	-7.10	1.20 H	1	-4.30	51.10
6	17355.00	59.80 PK	68.30	-8.50	1.19 H	2	6.90	52.90

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	#3856.00	52.10 PK	74.00	-21.90	1.14 V	359	18.50	33.60
1	#3856.00	49.00 AV	54.00	-5.00	1.14 V	359	15.30	33.60
2	#5150.00	62.40 PK	74.00	-11.60	1.17 V	358	25.40	37.00
2	#5150.00	52.80 AV	54.00	-1.20	1.17 V	358	15.80	37.00
3	#5460.00	63.30 PK	74.00	-10.70	1.16 V	1	26.30	37.00
3	#5460.00	52.80 AV	54.00	-1.20	1.16 V	1	15.70	37.00
4	*5785.00	120.70 PK			1.18 V	0	83.00	37.60
4	*5785.00	111.60 AV			1.18 V	0	74.00	37.60
5	#11570.00	57.70 PK	74.00	-16.30	1.18 V	6	6.60	51.10
5	#11570.00	48.90 AV	54.00	-5.10	1.18 V	6	-2.20	51.10
6	17355.00	60.90 PK	68.30	-7.40	1.20 V	2	7.90	52.90

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	13
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#3883.00	54.10 PK	74.00	-19.90	1.34 H	1	20.40	33.70
1	#3883.00	50.80 AV	54.00	-3.20	1.34 H	1	17.10	33.70
2	#5144.00	62.40 PK	74.00	-11.60	1.62 H	0	25.40	37.00
2	#5144.00	51.60 AV	54.00	-2.40	1.62 H	0	14.60	37.00
3	#5400.00	63.20 PK	74.00	-10.80	1.27 H	1	26.20	37.00
3	#5400.00	52.60 AV	54.00	-1.40	1.27 H	1	15.50	37.00
4	*5825.00	117.70 PK			1.58 H	0	80.00	37.70
4	*5825.00	110.30 AV			1.58 H	0	72.60	37.70
5	#11650.00	55.50 PK	74.00	-18.50	1.48 H	358	4.60	50.80
5	#11650.00	46.60 AV	54.00	-7.40	1.48 H	358	-4.30	50.80
6	17475.00	61.20 PK	68.30	-7.10	1.58 H	6	7.00	54.20

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	#3883.00	55.70 PK	74.00	-18.30	1.14 V	359	22.00	33.70
1	#3883.00	52.50 AV	54.00	-1.50	1.14 V	359	18.80	33.70
2	#5144.00	63.30 PK	74.00	-10.70	1.23 V	1	26.30	37.00
2	#5144.00	51.90 AV	54.00	-2.10	1.23 V	1	14.80	37.00
3	#5400.00	64.60 PK	74.00	-9.40	1.19 V	0	27.50	37.00
3	#5400.00	53.40 AV	54.00	-0.60	1.19 V	0	16.30	37.00
4	*5825.00	118.70 PK			1.69 V	3	81.00	37.70
4	*5825.00	110.80 AV			1.69 V	3	73.10	37.70
5	#11650.00	57.10 PK	74.00	-16.90	1.58 V	2	6.30	50.80
5	#11650.00	48.60 AV	54.00	-5.40	1.58 V	2	-2.30	50.80
6	17475.00	60.10 PK	68.30	-8.20	1.62 V	1	5.90	54.20

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	3
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	97.70 PK			1.50 H	0	60.70	37.00
1	*5290.00	89.80 AV			1.50 H	0	52.80	37.00
2	#5350.00	59.60 PK	74.00	-14.40	1.48 H	1	22.60	37.00
2	#5350.00	49.00 AV	54.00	-5.00	1.48 H	1	12.00	37.00
3	10580.00	52.30 PK	68.30	-16.00	1.39 H	0	6.60	45.70
4	#15870.00	53.30 PK	74.00	-20.70	1.41 H	1	5.70	47.60
4	#15870.00	43.50 AV	54.00	-10.50	1.41 H	1	-4.00	47.60

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	*5290.00	92.70 PK			1.05 V	1	55.70	37.00
1	*5290.00	85.70 AV			1.05 V	1	48.60	37.00
2	#5350.00	59.40 PK	74.00	-14.60	1.09 V	0	22.40	37.00
2	#5350.00	48.60 AV	54.00	-5.40	1.09 V	0	11.50	37.00
3	10580.00	51.40 PK	68.30	-16.90	1.04 V	0	5.70	45.70
4	#15870.00	54.20 PK	74.00	-19.80	1.07 V	1	6.60	47.60
4	#15870.00	41.60 AV	54.00	-12.40	1.07 V	1	-5.90	47.60

NOTE:

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. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	4
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#3840.00	47.10 PK	74.00	-26.90	1.30 H	1	13.50	33.60
2	#5144.00	61.40 PK	74.00	-12.60	1.31 H	0	24.40	37.00
2	#5144.00	50.90 AV	54.00	-3.10	1.31 H	0	13.80	37.00
3	#5401.00	60.00 PK	74.00	-14.00	1.39 H	1	23.00	37.00
3	#5401.00	49.70 AV	54.00	-4.30	1.39 H	1	12.70	37.00
4	*5760.00	114.30 PK			1.36 H	359	76.70	37.60
4	*5760.00	105.70 AV			1.36 H	359	68.10	37.60
5	#11520.00	56.30 PK	74.00	-17.70	1.58 H	2	5.00	51.30
5	#11520.00	46.60 AV	54.00	-7.40	1.58 H	2	-4.70	51.30
6	17280.00	59.10 PK	68.30	-9.20	1.59 H	3	7.00	52.20

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	#3840.00	49.50 PK	74.00	-24.50	1.22 V	3	15.90	33.60
2	#5144.00	62.80 PK	74.00	-11.20	1.18 V	358	25.80	37.00
2	#5144.00	51.70 AV	54.00	-2.30	1.18 V	358	14.70	37.00
3	#5401.00	60.90 PK	74.00	-13.10	1.27 V	1	23.80	37.00
3	#5401.00	49.90 AV	54.00	-4.10	1.27 V	1	12.90	37.00
4	*5760.00	114.00 PK	78.30	35.70	1.26 V	1	76.40	37.60
4	*5760.00	106.00 AV	54.00	52.00	1.26 V	1	68.40	37.60
5	#11520.00	57.30 PK	74.00	-16.70	1.72 V	3	6.00	51.30
5	#11520.00	48.20 AV	54.00	-5.80	1.72 V	3	-3.10	51.30
6	17280.00	59.90 PK	68.30	-8.40	1.59 V	0	7.70	52.20

NOTE:

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. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 969 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	#3840.00	46.20 PK	74.00	-27.80	1.31 H	359	12.60	33.60
2	#5144.00	60.10 PK	74.00	-13.90	1.38 H	6	23.10	37.00
2	#5144.00	50.00 AV	54.00	-4.00	1.38 H	6	13.00	37.00
3	#5408.00	62.60 PK	74.00	-11.40	1.58 H	359	25.50	37.00
3	#5408.00	50.90 AV	54.00	-3.10	1.58 H	359	13.90	37.00
4	*5800.00	114.20 PK			1.39 H	359	76.50	37.70
4	*5800.00	106.20 AV			1.39 H	359	68.60	37.70
5	#11600.00	55.70 PK	74.00	-18.30	1.88 H	2	4.60	51.00
5	#11600.00	46.20 AV	54.00	-7.80	1.88 H	2	-4.80	51.00
6	17400.00	61.30 PK	68.30	-7.00	1.55 H	0	7.90	53.40

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	#3840.00	50.30 PK	74.00	-23.70	1.22 V	2	16.70	33.60
2	#5144.00	61.40 PK	74.00	-12.60	1.26 V	1	24.40	37.00
2	#5144.00	51.20 AV	54.00	-2.80	1.26 V	1	14.10	37.00
3	#5408.00	63.30 PK	74.00	-10.70	1.31 V	358	26.30	37.00
3	#5408.00	52.80 AV	54.00	-1.20	1.31 V	358	15.70	37.00
4	*5800.00	114.50 PK			1.27 V	0	76.80	37.70
4	*5800.00	106.60 AV			1.27 V	0	69.00	37.70
5	#11600.00	55.90 PK	74.00	-18.10	1.80 V	0	4.90	51.00
5	#11600.00	47.10 AV	54.00	-6.90	1.80 V	0	-3.90	51.00
6	17400.00	60.40 PK	68.30	-7.90	1.70 V	1	7.00	53.40

NOTE:

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. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.



5.2.15 TEST RESULTS (ANTENNA 7)

STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	*5260.00	78.60 PK			1.39 H	2	41.60	37.00
1	*5260.00	69.70 AV			1.39 H	2	32.70	37.00
2	10520.00	49.70 PK	68.30	-18.60	1.42 H	1	4.50	45.20
3	#15780.00	53.80 PK	74.00	-20.20	1.50 H	62	5.90	47.90
3	#15780.00	42.40 AV	54.00	-11.60	1.50 H	62	-5.40	47.90

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	*5260.00	97.90 PK			1.50 V	2	60.90	37.00
1	*5260.00	91.10 AV			1.50 V	2	54.10	37.00
2	10520.00	50.70 PK	68.30	-17.60	1.40 V	0	5.50	45.20
3	#15780.00	52.40 PK	74.00	-21.60	1.39 V	1	4.60	47.90
3	#15780.00	43.70 AV	54.00	-10.30	1.39 V	1	-4.20	47.90

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	8
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	77.40 PK			1.35 H	0	40.30	37.00
1	*5320.00	68.80 AV			1.35 H	0	31.80	37.00
2	#5350.00	43.70 PK	74.00	-30.30	1.35 H	0	6.70	37.00
3	##10640.00	53.10 PK	74.00	-20.90	1.50 H	0	6.80	46.30
3	##10640.00	43.80 AV	54.00	-10.20	1.50 H	0	-2.50	46.30
4	#15960.00	50.10 PK	74.00	-23.90	1.50 H	1	2.80	47.30

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	*5320.00	97.40 PK			1.51 V	3	60.40	37.00
1	*5320.00	90.50 AV			1.51 V	3	53.50	37.00
2	#5350.00	56.30 PK	74.00	-17.70	1.35 V	2	19.30	37.00
2	#5350.00	48.60 AV	54.00	-5.40	1.35 V	2	11.60	37.00
3	##10640.00	55.10 PK	74.00	-18.90	1.48 V	2	8.80	46.30
3	##10640.00	47.90 AV	54.00	-6.10	1.48 V	2	1.60	46.30
4	#15960.00	53.80 PK	74.00	-20.20	1.48 V	1	6.50	47.30
4	#15960.00	44.20 AV	54.00	-9.80	1.48 V	1	-3.10	47.30

NOTE:

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. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	9
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#5150.00	48.70 PK	74.00	-25.30	1.58 H	3	11.70	37.00
2	#5408.00	48.50 PK	74.00	-25.50	1.50 H	2	11.50	37.00
3	*5745.00	101.00 PK			1.50 H	4	63.50	37.60
3	*5745.00	93.20 AV			1.50 H	4	55.70	37.60
4	#11490.00	56.30 PK	74.00	-17.70	1.78 H	2	4.90	51.30
4	#11490.00	46.50 AV	54.00	-7.50	1.78 H	2	-4.90	51.30
5	17235.00	56.90 PK	68.30	-11.40	1.80 H	2	5.20	51.70

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	#5150.00	64.20 PK	74.00	-9.80	1.47 V	2	27.10	37.00
1	#5150.00	52.20 AV	54.00	-1.80	1.47 V	2	15.20	37.00
2	#5408.00	63.80 PK	74.00	-10.20	1.46 V	1	26.70	37.00
2	#5408.00	52.00 AV	54.00	-2.00	1.46 V	1	14.90	37.00
3	*5745.00	122.50 PK			1.50 V	1	84.90	37.60
3	*5745.00	114.80 AV			1.50 V	1	77.20	37.60
4	#11490.00	58.80 PK	74.00	-15.20	1.50 V	1	7.50	51.30
4	#11490.00	48.40 AV	54.00	-5.60	1.50 V	1	-3.00	51.30
5	17235.00	59.80 PK	68.30	-8.50	1.48 V	0	8.10	51.70

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	11
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#5150.00	49.60 PK	74.00	-24.40	1.48 H	3	12.50	37.00
2	#5408.00	62.60 PK	74.00	-11.40	1.50 H	3	25.50	37.00
2	#5408.00	41.70 AV	54.00	-12.30	1.50 H	3	4.70	37.00
3	*5785.00	101.60 PK			1.49 H	3	64.00	37.60
3	*5785.00	91.50 AV			1.49 H	3	53.90	37.60
4	#11570.00	59.10 PK	74.00	-14.90	1.50 H	3	8.00	51.10
4	#11570.00	46.90 AV	54.00	-7.10	1.50 H	3	-4.20	51.10
5	17355.00	59.40 PK	68.30	-8.90	1.50 H	2	6.50	52.90

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	#5150.00	62.60 PK	74.00	-11.40	1.49 V	2	25.50	37.00
1	#5150.00	51.00 AV	54.00	-3.00	1.49 V	2	13.90	37.00
2	#5408.00	63.70 PK	74.00	-10.30	1.50 V	1	26.70	37.00
2	#5408.00	52.80 AV	54.00	-1.20	1.50 V	1	15.70	37.00
3	*5785.00	120.80 PK			1.49 V	1	83.10	37.60
3	*5785.00	112.60 AV			1.49 V	1	75.00	37.60
4	#11570.00	60.00 PK	74.00	-14.00	1.49 V	2	8.90	51.10
4	#11570.00	48.90 AV	54.00	-5.10	1.49 V	2	-2.20	51.10
5	17355.00	60.40 PK	68.30	-7.90	1.50 V	3	7.50	52.90

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	13
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#5148.00	43.60 PK	74.00	-30.40	1.50 H	2	6.50	37.00
2	#5408.00	42.60 PK	74.00	-31.40	1.49 H	1	5.50	37.00
3	*5825.00	85.80 PK			1.58 H	4	48.10	37.70
3	*5825.00	77.80 AV			1.58 H	4	40.10	37.70
4	#11600.00	56.90 PK	74.00	-17.10	1.68 H	2	5.90	51.00
4	#11600.00	47.20 AV	54.00	-6.80	1.68 H	2	-3.80	51.00
5	17400.00	59.40 PK	68.30	-8.90	1.58 H	3	6.10	53.40

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	#5148.00	60.00 PK	74.00	-14.00	1.50 V	3	22.90	37.00
1	#5148.00	49.90 AV	54.00	-4.10	1.50 V	3	12.80	37.00
2	#5408.00	63.60 PK	74.00	-10.40	1.55 V	1	26.50	37.00
2	#5408.00	52.90 AV	54.00	-1.10	1.55 V	1	15.80	37.00
3	*5825.00	120.60 PK			1.58 V	1	82.90	37.70
3	*5825.00	111.70 AV			1.58 V	1	74.00	37.70
4	#11600.00	58.70 PK	74.00	-15.30	1.50 V	2	7.70	51.00
4	#11600.00	48.80 AV	54.00	-5.20	1.50 V	2	-2.20	51.00
5	17400.00	60.40 PK	68.30	-7.90	1.49 V	1	7.00	53.40

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	3
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	75.70 PK			1.40 H	0	38.70	37.00
1	*5290.00	66.50 AV			1.40 H	0	29.50	37.00
2	#5350.00	43.70 PK	74.00	-30.30	1.48 H	1	6.70	37.00
3	10580.00	49.90 PK	68.30	-18.40	1.58 H	62	4.20	45.70
4	#15870.00	50.50 PK	74.00	-23.50	1.53 H	1	3.00	47.60

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	*5290.00	96.00 PK			1.54 V	1	59.00	37.00
1	*5290.00	87.10 AV			1.54 V	1	50.00	37.00
2	#5350.00	58.60 PK	74.00	-15.40	1.48 V	1	21.60	37.00
2	#5350.00	49.60 AV	54.00	-4.40	1.48 V	1	12.50	37.00
3	10580.00	56.90 PK	68.30	-11.40	1.50 V	0	11.20	45.70
4	#15870.00	52.10 PK	74.00	-21.90	1.51 V	1	4.50	47.60
4	#15870.00	43.00 AV	54.00	-11.00	1.51 V	1	-4.60	47.60

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	4
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#5144.00	48.60 PK	74.00	-25.40	1.49 H	3	11.50	37.00
2	#5408.00	48.90 PK	74.00	-25.10	1.50 H	62	11.80	37.00
3	*5760.00	92.30 PK	78.30	14.00	1.48 H	1	54.70	37.60
3	*5760.00	84.00 AV	54.00	30.00	1.48 H	1	46.40	37.60
4	#11520.00	56.50 PK	74.00	-17.50	1.48 H	50	5.20	51.30
4	#11520.00	47.00 AV	54.00	-7.00	1.48 H	50	-4.20	51.30
5	17280.00	58.30 PK	68.30	-10.00	1.50 H	8	6.10	52.20

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	#5144.00	63.80 PK	74.00	-10.20	1.49 V	1	26.80	37.00
1	#5144.00	51.70 AV	54.00	-2.30	1.49 V	1	14.70	37.00
2	#5408.00	62.60 PK	74.00	-11.40	1.50 V	1	25.50	37.00
2	#5408.00	51.60 AV	54.00	-2.40	1.50 V	1	14.60	37.00
3	*5760.00	112.20 PK			1.50 V	2	74.60	37.60
3	*5760.00	104.00 AV			1.50 V	2	66.40	37.60
4	#11520.00	57.90 PK	74.00	-16.10	1.50 V	2	6.60	51.30
4	#11520.00	47.50 AV	54.00	-6.50	1.50 V	2	-3.80	51.30
5	17280.00	59.50 PK	68.30	-8.80	1.49 V	1	7.40	52.20

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 969 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	#5148.00	48.40 PK	74.00	-25.60	1.56 H	1	11.40	37.00
2	#5408.00	47.90 PK	74.00	-26.10	1.58 H	2	10.80	37.00
3	*5800.00	93.80 PK			1.50 H	2	56.10	37.70
3	*5800.00	85.10 AV			1.50 H	2	47.40	37.70
4	#11600.00	57.80 PK	74.00	-16.20	1.57 H	2	6.80	51.00
4	#11600.00	47.00 AV	54.00	-7.00	1.57 H	2	-4.00	51.00
5	17400.00	61.20 PK	68.30	-7.10	1.60 H	1	7.80	53.40

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	#5148.00	63.00 PK	74.00	-11.00	1.49 V	3	25.90	37.00
1	#5148.00	51.70 AV	54.00	-2.30	1.49 V	3	14.70	37.00
2	#5408.00	64.70 PK	74.00	-9.30	1.49 V	2	27.70	37.00
2	#5408.00	51.90 AV	54.00	-2.10	1.49 V	2	14.90	37.00
3	*5800.00	113.80 PK			1.49 V	3	76.10	37.70
3	*5800.00	105.80 AV			1.49 V	3	68.10	37.70
4	#11600.00	57.00 PK	74.00	-17.00	1.50 V	4	6.00	51.00
4	#11600.00	47.80 AV	54.00	-6.20	1.50 V	4	-3.20	51.00
5	17400.00	61.30 PK	68.30	-7.00	1.50 V	0	7.90	53.40

NOTE:

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. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.



5.2.16 TEST RESULTS (ANTENNA 8)

STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	9
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#5144.00	51.80 PK	74.00	-22.20	1.50 H	68	14.70	37.00
1	#5144.00	43.50 AV	54.00	-10.50	1.50 H	68	6.50	37.00
2	#5440.00	44.80 PK	74.00	-29.20	1.28 H	340	7.70	37.00
3	*5745.00	92.00 PK			1.22 H	22	54.50	37.60
3	*5745.00	85.60 AV			1.22 H	22	48.00	37.60
4	#11490.00	55.60 PK	74.00	-18.40	1.44 H	55	4.20	51.30
4	#11490.00	46.90 AV	54.00	-7.10	1.44 H	55	-4.40	51.30
5	17235.00	56.40 PK	68.30	-11.90	1.55 H	348	4.70	51.70

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	#5144.00	63.60 PK	74.00	-10.40	1.28 V	16	26.50	37.00
1	#5144.00	51.90 AV	54.00	-2.10	1.28 V	16	14.90	37.00
2	#5440.00	53.50 PK	74.00	-20.50	1.16 V	1	16.40	37.00
2	#5440.00	45.40 AV	54.00	-8.60	1.16 V	1	8.30	37.00
3	*5745.00	113.00 PK			1.15 V	358	75.50	37.60
3	*5745.00	104.40 AV			1.15 V	358	66.90	37.60
4	#11490.00	58.00 PK	74.00	-16.00	1.53 V	68	6.60	51.30
4	#11490.00	50.40 AV	54.00	-3.60	1.53 V	68	-1.00	51.30
5	17235.00	57.70 PK	68.30	-10.60	1.48 V	16	6.00	51.70

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.407

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	11
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 972 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	#5150.00	50.70 PK	74.00	-23.30	1.49 H	58	13.70	37.00
2	#5408.00	47.40 PK	74.00	-26.60	1.69 H	33	10.40	37.00
3	*5785.00	92.00 PK			1.48 H	66	54.30	37.60
3	*5785.00	85.60 AV			1.48 H	66	47.90	37.60
4	#11570.00	56.80 PK	74.00	-17.20	1.54 H	69	5.70	51.10
4	#11570.00	46.10 AV	54.00	-7.90	1.54 H	69	-5.00	51.10
5	17355.00	58.90 PK	68.30	-9.40	1.43 H	178	6.00	52.90

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	#5150.00	64.70 PK	74.00	-9.30	1.48 V	62	27.70	37.00
1	#5150.00	51.90 AV	54.00	-2.10	1.48 V	62	14.80	37.00
2	#5408.00	59.60 PK	74.00	-14.40	1.20 V	28	22.60	37.00
2	#5408.00	48.50 AV	54.00	-5.50	1.20 V	28	11.50	37.00
3	*5785.00	111.50 PK			1.30 V	10	73.80	37.60
3	*5785.00	103.60 AV			1.30 V	10	66.00	37.60
4	#11570.00	59.70 PK	74.00	-14.30	1.58 V	71	8.60	51.10
4	#11570.00	51.30 AV	54.00	-2.70	1.58 V	71	0.10	51.10
5	17355.00	59.90 PK	68.30	-8.40	1.47 V	348	6.90	52.90

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal Mode	CHANNEL	13
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#3883.00	41.70 PK	74.00	-32.30	1.13 H	348	8.10	33.70
2	#5144.00	44.30 PK	74.00	-29.70	1.38 H	4	7.30	37.00
3	#5408.00	45.00 PK	74.00	-29.00	1.69 H	100	7.90	37.00
4	*5825.00	93.20 PK			1.59 H	21	55.50	37.70
4	*5825.00	85.60 AV			1.59 H	21	47.80	37.70
5	#11650.00	55.50 PK	74.00	-18.50	1.78 H	20	4.70	50.80
5	#11650.00	46.10 AV	54.00	-7.90	1.78 H	20	-4.80	50.80
6	17475.00	60.90 PK	68.30	-7.40	1.64 H	19	6.70	54.20

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	#3883.00	49.30 PK	74.00	-24.70	1.50 V	48	15.60	33.70
2	#5144.00	63.30 PK	74.00	-10.70	1.60 V	343	26.30	37.00
2.	#5144.00	51.70 AV	54.00	-2.30	1.60 V	343	14.70	37.00
3	#5408.00	63.30 PK	74.00	-10.70	1.58 V	96	26.30	37.00
3	#5408.00	51.90 AV	54.00	-2.10	1.58 V	96	14.80	37.00
4	*5825.00	112.30 PK			1.14 V	359	74.60	37.70
4	*5825.00	104.50 AV			1.14 V	359	66.80	37.70
5	#11650.00	58.40 PK	74.00	-15.60	1.58 V	20	7.60	50.80
5	#11650.00	50.50 AV	54.00	-3.50	1.58 V	20	-0.30	50.80
6	17475.00	61.00 PK	68.30	-7.30	1.70 V	2	6.80	54.20

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	4
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26 deg. C, 67%RH, 969 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	#5150.00	48.50 PK	74.00	-25.50	1.48 H	62	11.50	37.00
2	#5402.00	50.40 PK	74.00	-23.60	1.50 H	358	13.40	37.00
3	*5760.00	87.40 PK			1.14 H	11	49.80	37.60
3	*5760.00	80.50 AV			1.14 H	11	42.90	37.60
4	#11520.00	56.20 PK	74.00	-17.80	1.69 H	50	5.00	51.30
4	#11520.00	47.10 AV	54.00	-6.90	1.69 H	50	-4.20	51.30
5	17280.00	58.50 PK	68.30	-9.80	1.70 H	64	6.30	52.20

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	#5150.00	59.40 PK	74.00	-14.60	1.65 V	8	22.40	37.00
1	#5150.00	50.70 AV	54.00	-3.30	1.65 V	8	13.70	37.00
2	#5402.00	60.70 PK	74.00	-13.30	1.70 V	13	23.70	37.00
2	#5402.00	51.90 AV	54.00	-2.10	1.70 V	13	14.80	37.00
3	*5760.00	107.70 PK			1.14 V	15	70.10	37.60
3	*5760.00	100.00 AV			1.14 V	15	62.40	37.60
4	#11520.00	60.10 PK	74.00	-13.90	1.78 V	64	8.80	51.30
4	#11520.00	51.00 AV	54.00	-3.00	1.78 V	64	-0.20	51.30
5	17280.00	58.70 PK	68.30	-9.60	1.20 V	70	6.50	52.20

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



STANDARD SECTION 15.247

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo Mode	CHANNEL	5
FREQUENCY RANGE	1000MHz~40000MHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 969 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	#5144.00	50.20 PK	74.00	-23.80	1.43 H	337	13.10	37.00
2	#5408.00	47.90 PK	74.00	-26.10	1.38 H	4	10.90	37.00
3	*5800.00	86.30 PK			1.20 H	13	48.60	37.70
3	*5800.00	79.70 AV			1.20 H	13	42.00	37.70
4	#11600.00	57.60 PK	74.00	-16.40	1.42 H	8	6.60	51.00
4	#11600.00	48.80 AV	54.00	-5.20	1.42 H	8	-2.20	51.00
5	17400.00	57.00 PK	68.30	-11.30	1.65 H	110	3.60	53.40

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	#5144.00	63.20 PK	74.00	-10.80	1.70 V	8	26.10	37.00
1	#5144.00	51.50 AV	54.00	-2.50	1.70 V	8	14.40	37.00
2	#5408.00	62.40 PK	74.00	-11.60	1.68 V	343	25.40	37.00
2	#5408.00	51.40 AV	54.00	-2.60	1.68 V	343	14.30	37.00
3	*5800.00	108.20 PK			1.20 V	20	70.50	37.70
3	*5800.00	100.40 AV			1.20 V	20	62.70	37.70
4	#11600.00	60.30 PK	74.00	-13.70	1.72 V	5	9.30	51.00
4	#11600.00	50.10 AV	54.00	-3.90	1.72 V	5	-0.90	51.00
5	17400.00	59.60 PK	68.30	-8.70	1.68 V	19	6.20	53.40

NOTE:

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. "*" : Fundamental frequency
6. "# " : The radiated frequency falling in the restricted band.



FOR FREQUENCY 5.15~5.35GHZ

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

Note:

1. Where B is the 26dB emission bandwidth in MHz.
2. Limit follows whichever is lower.
3. 5.15-5.25GHz: In addition, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
4. 5.25-5.35GHz: In addition, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2004

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 span to encompass the entire emission bandwidth of the signal.
3. Set RBW to 1MHz, VBW to 300kHz.
4. Using the spectrum analyzer's channel power measurement function to measure the output power.

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

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

ANTENNA 1 (Gain: 3.5dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
5	5260	23.38	24.00	31.83	PASS
8	5320	20.20	24.00	26.74	PASS

ANTENNA 2 (Gain: 3.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	16.30	17.00	24.84	PASS
4	5240	16.27	17.00	25.29	PASS
5	5260	22.74	24.00	33.75	PASS
8	5320	23.19	24.00	29.61	PASS

ANTENNA 3 (Gain: 4.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	16.62	17.00	25.38	PASS
4	5240	16.41	17.00	26.01	PASS
5	5260	21.54	24.00	26.58	PASS
8	5320	21.80	24.00	25.89	PASS



EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

ANTENNA 4 (Gain: 13.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
5	5260	15.35	17.00	25.38	PASS
8	5320	15.94	17.00	25.92	PASS

ANTENNA 5 (Gain: 17.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
5	5260	12.57	13.00	26.10	PASS
8	5320	12.54	13.00	25.47	PASS

ANTENNA 6 + 4dB Pad (Gain: 24.2dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
5	5260	4.72	5.80	25.29	PASS
8	5320	3.45	5.80	25.47	PASS

ANTENNA 7 + 10dB Pad (Gain: 23.4dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
5	5260	4.39	6.60	25.56	PASS
8	5320	3.31	6.60	25.29	PASS



EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	25eg. C, 66RH, 969 hPa	TESTED BY	Eric Lee

ANTENNA 1 (Gain: 3.5dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
3	5290	23.04	24.00	58.99	PASS

ANTENNA 2 (Gain: 3.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	16.39	17.00	46.72	PASS
2	5250	16.28	24.00	49.44	PASS
3	5290	22.87	24.00	54.40	PASS

ANTENNA 3 (Gain: 4.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	16.66	17.00	58.64	PASS
2	5250	16.52	24.00	59.93	PASS
3	5290	21.59	24.00	61.50	PASS



EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	25eg. C, 66RH, 969 hPa	TESTED BY	Eric Lee

ANTENNA 4 (Gain: 13.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
3	5290	16.05	17.00	50.56	PASS

ANTENNA 5 (Gain: 17.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
3	5290	11.93	13.00	49.12	PASS

ANTENNA 6 + 4dB Pad (Gain: 24.2dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
3	5290	4.05	5.80	46.56	PASS

ANTENNA 7 + 10dB Pad (Gain: 23.4dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
3	5290	4.06	6.60	47.84	PASS



5.4 PEAK POWER EXCURSION MEASUREMENT

5.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	13dB
5.25 – 5.35 GHz	13dB
5.725 – 5.825 GHz	13dB

5.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2004

NOTE:

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



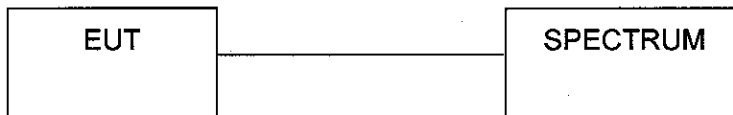
5.4.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set span to encompass the entire emission bandwidth of the signal.
3. Set RBW to 1MHz, VBW to 300kHz.
4. Using the spectrum analyzer's channel power measurement function to measure the output power.

5.4.4 DEVIATION FROM TEST STANDARD

No deviation

5.4.5 TEST SETUP



5.4.6 EUT OPERATING CONDITIONS

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



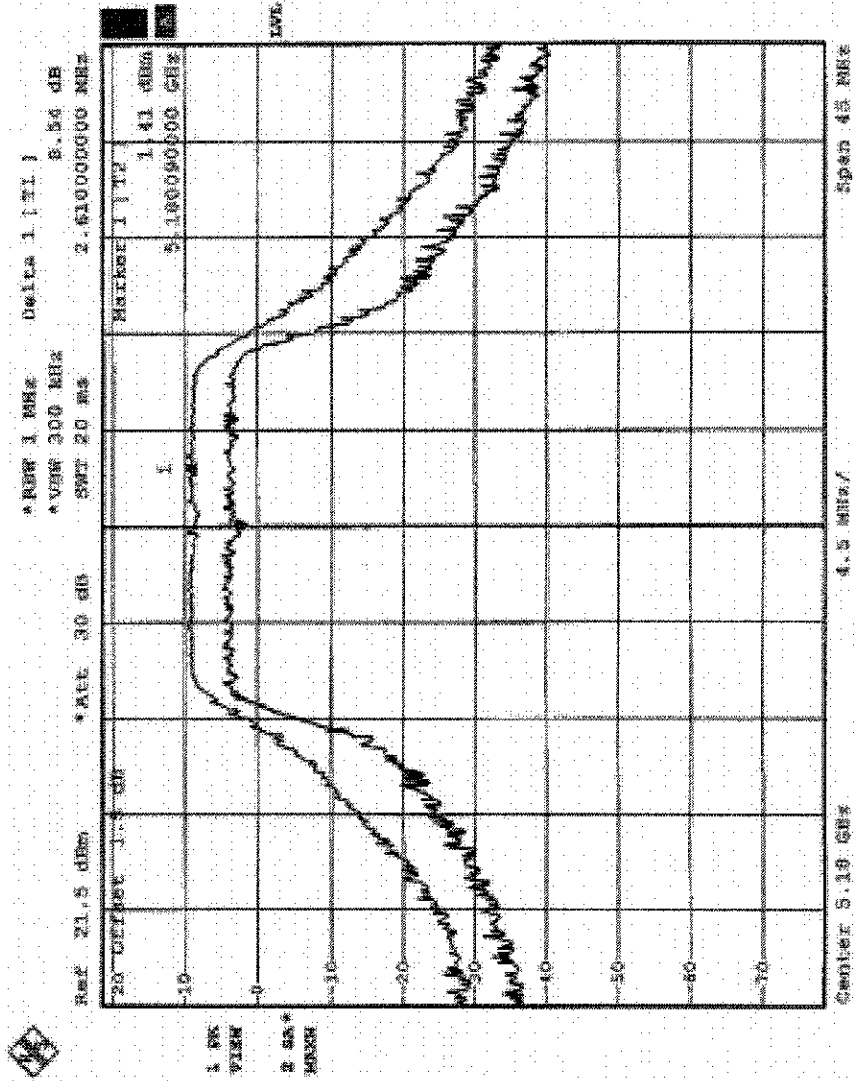
5.4.7 TEST RESULTS

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	8.54	13	PASS
4	5240	7.98	13	PASS
5	5260	7.48	13	PASS
8	5320	8.53	13	PASS

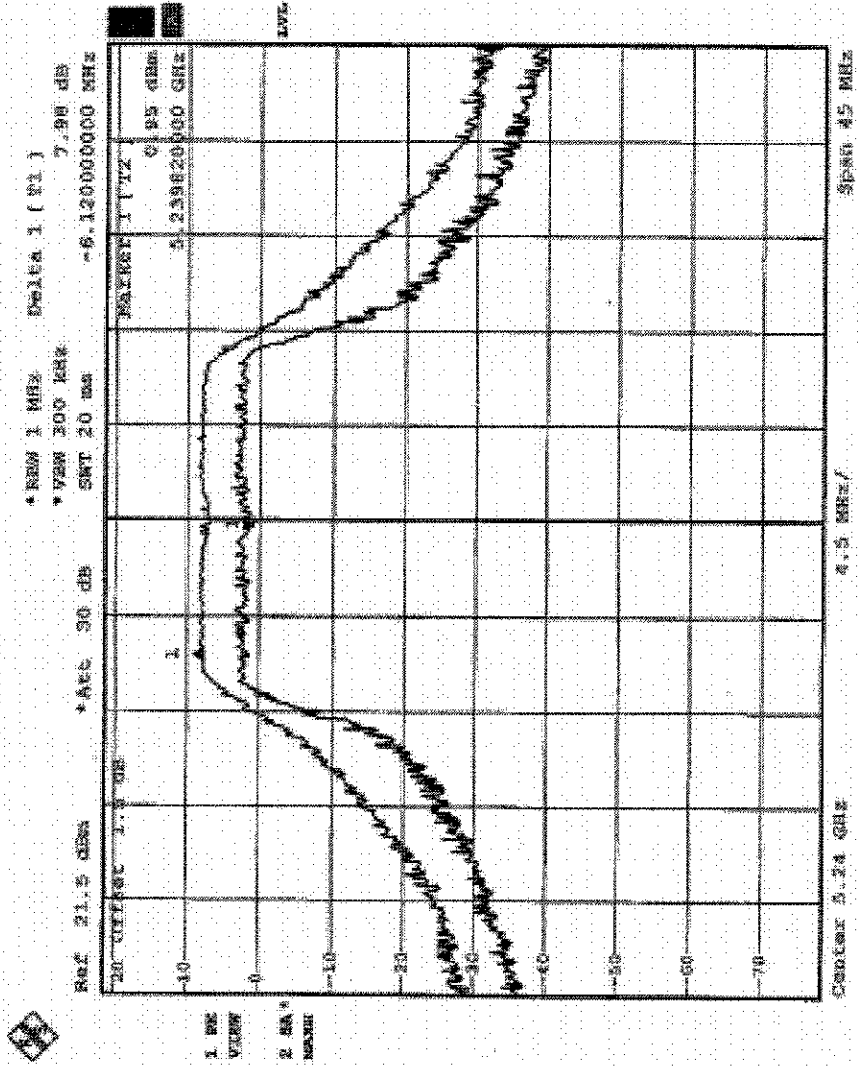


CHANNEL 1



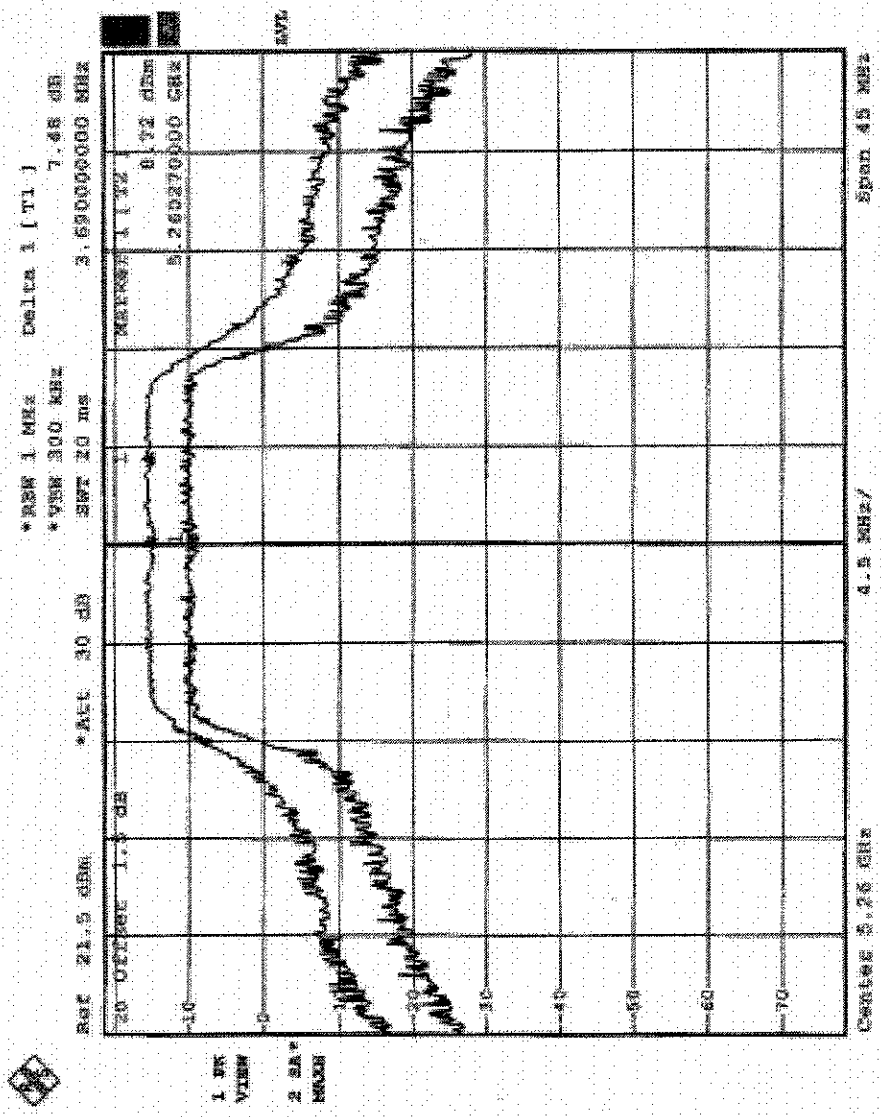


CHANNEL 4



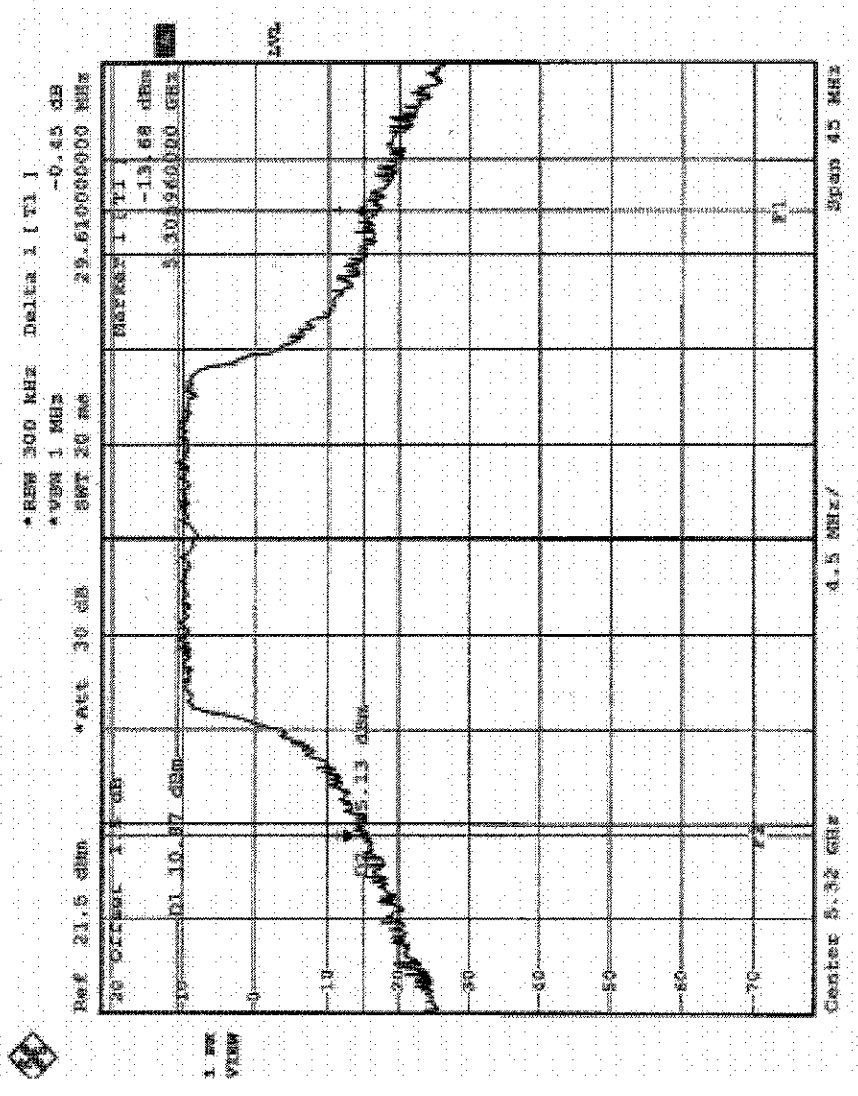


CHANNEL 5





CHANNEL 8



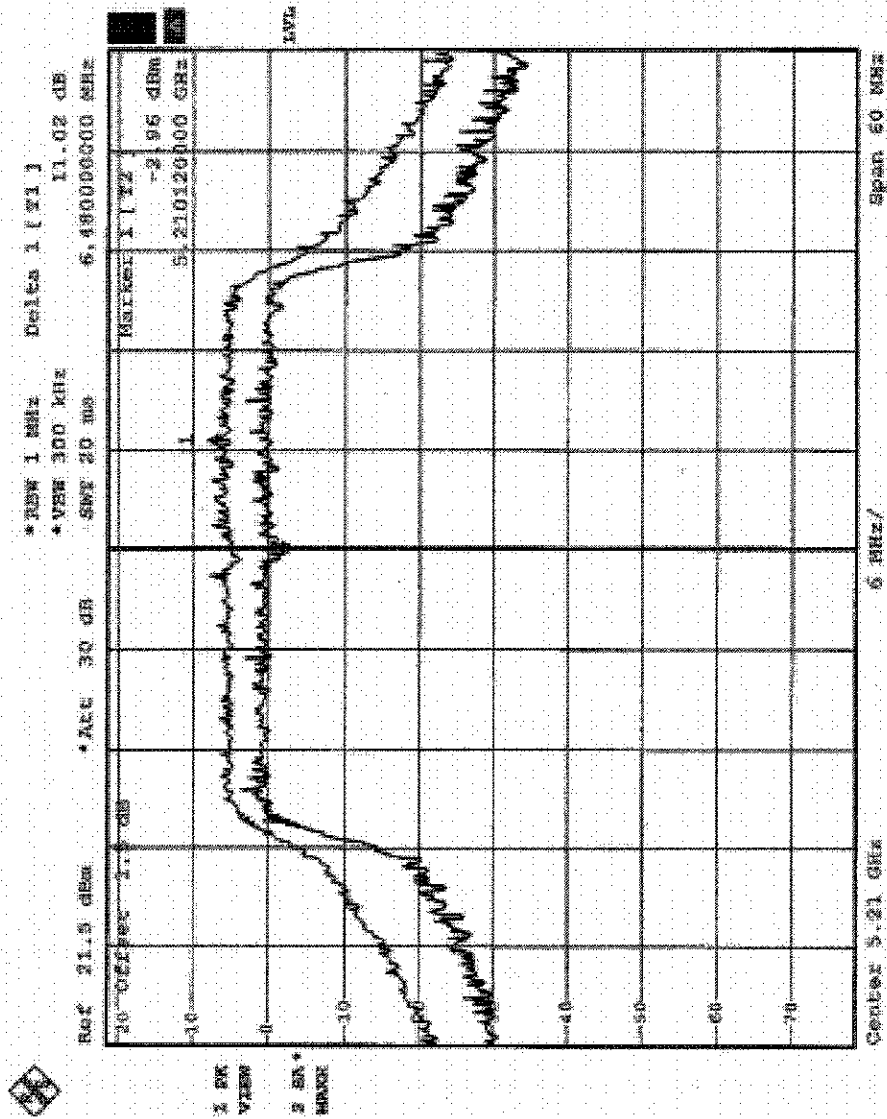


EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5210	11.02	13	PASS
2	5250	9.84	13	PASS
3	5290	8.65	13	PASS

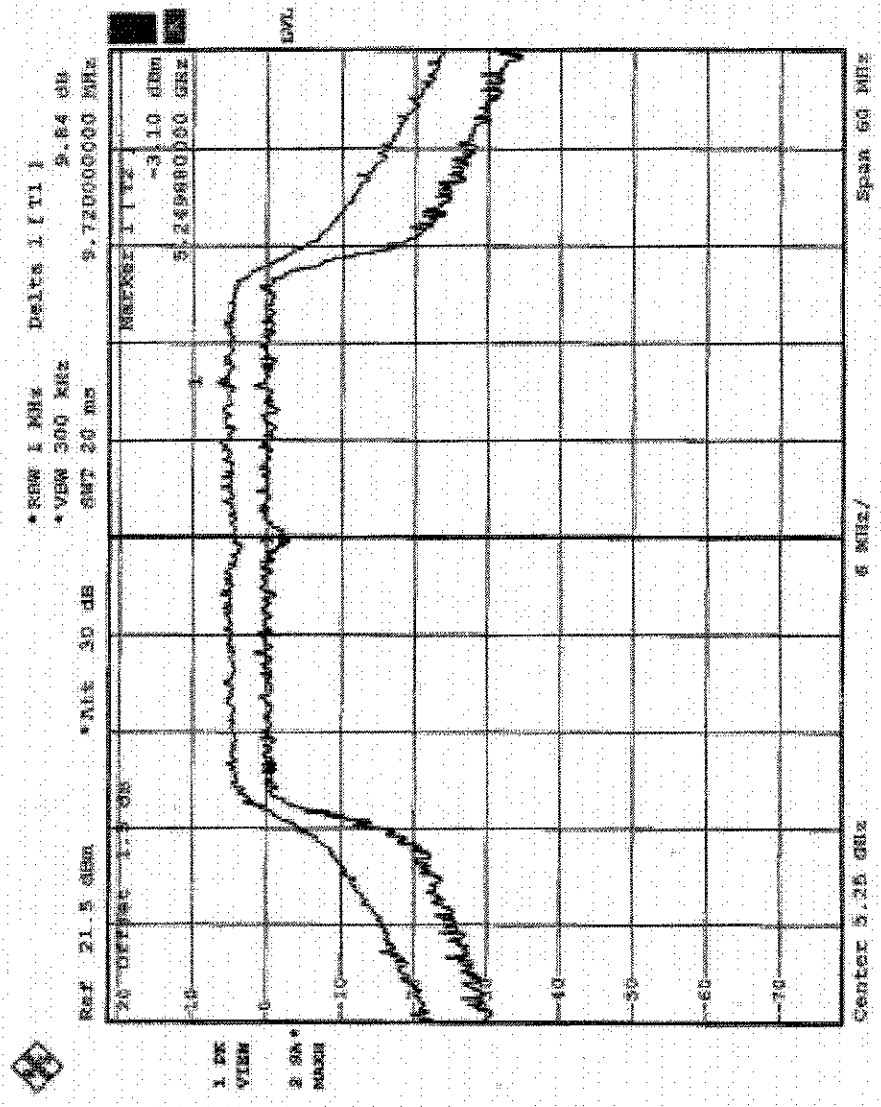


CHANNEL 1



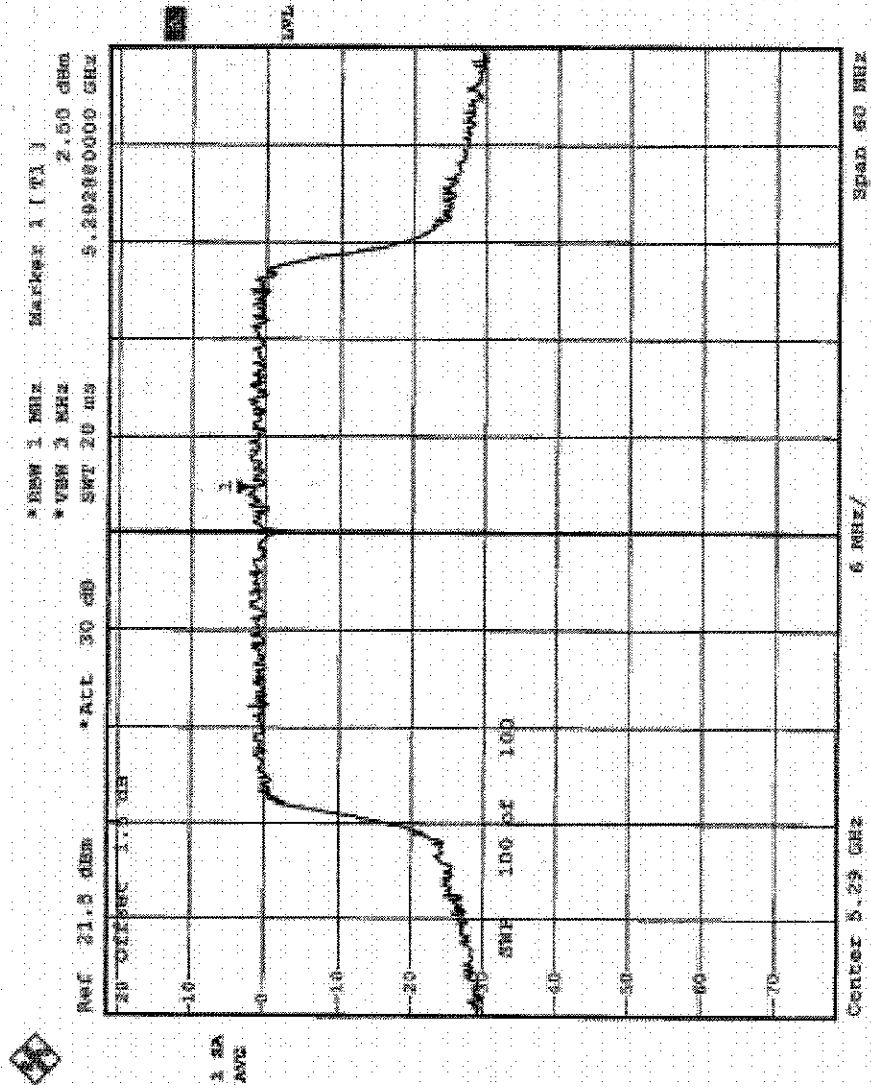


CHANNEL 2





CHANNEL 3





5.5 PEAK POWER SPECTRAL DENSITY MEASUREMENT

5.5.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	4dBm
5.25 – 5.35 GHz	11dBm
5.725 – 5.825 GHz	17dBm

5.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2004

NOTE:

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



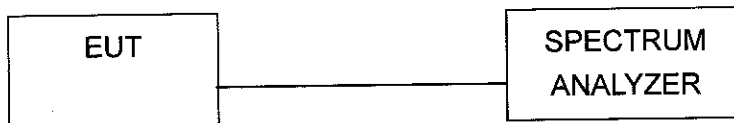
5.5.3 TEST PROCEDURES

The transmitter output was connected to the spectrum analyzer.
Set RBW=1MHz, VBW=3MHz. The PPSD is the highest level found across the emission in any 1MHz band.

5.5.4 DEVIATION FROM TEST STANDARD

No deviation

5.5.5 TEST SETUP



5.5.6 EUT OPERATING CONDITIONS

Same as 5.3.6



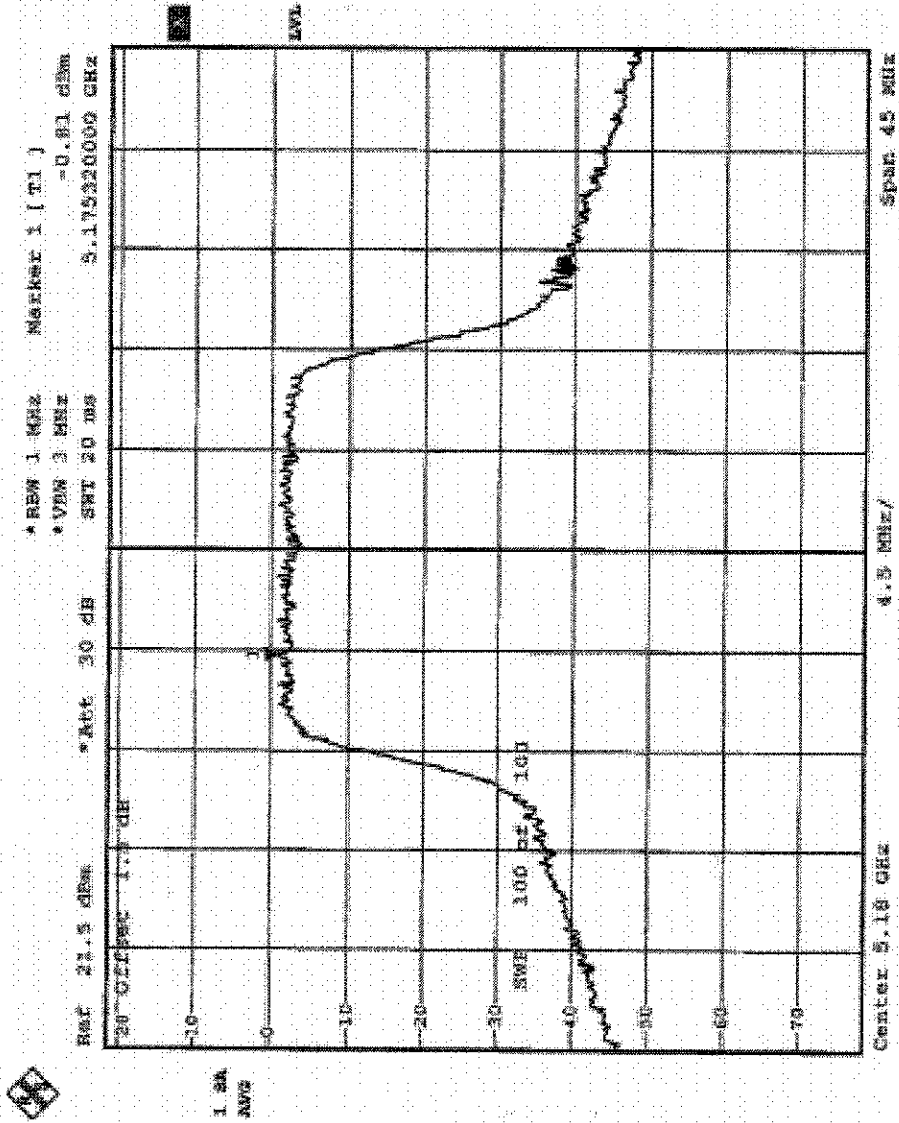
5.5.7 TEST RESULTS

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Normal	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 1 MHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5180	-0.81	4	PASS
4	5240	-2.43	4	PASS
5	5260	5.60	11	PASS
8	5320	5.68	11	PASS

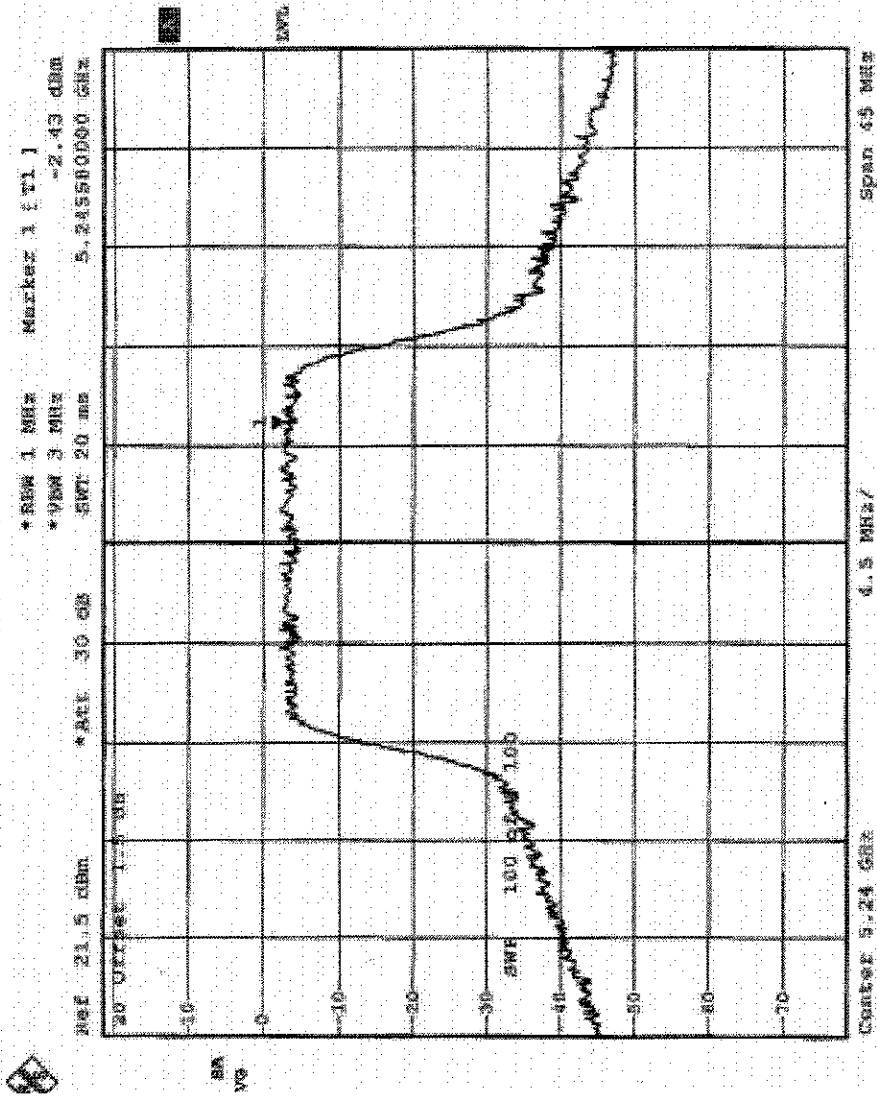


CHANNEL 1



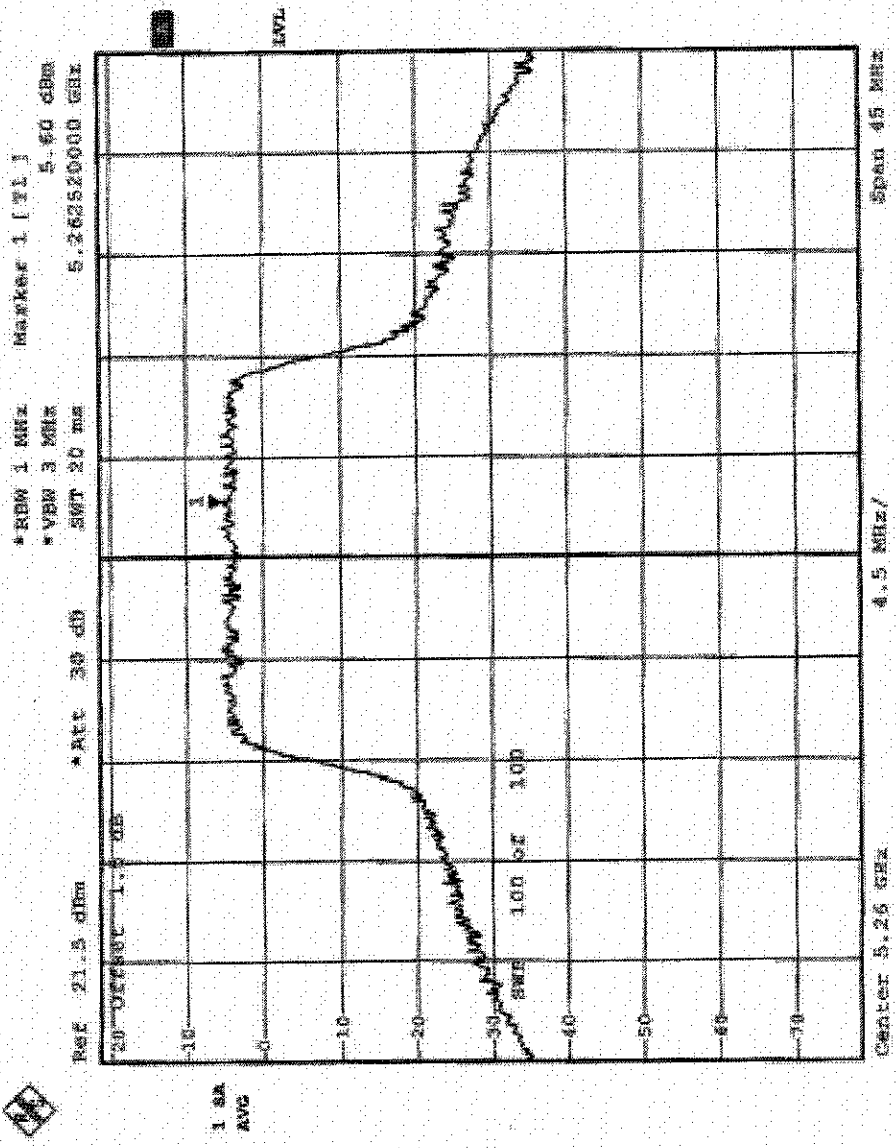


CHANNEL 4



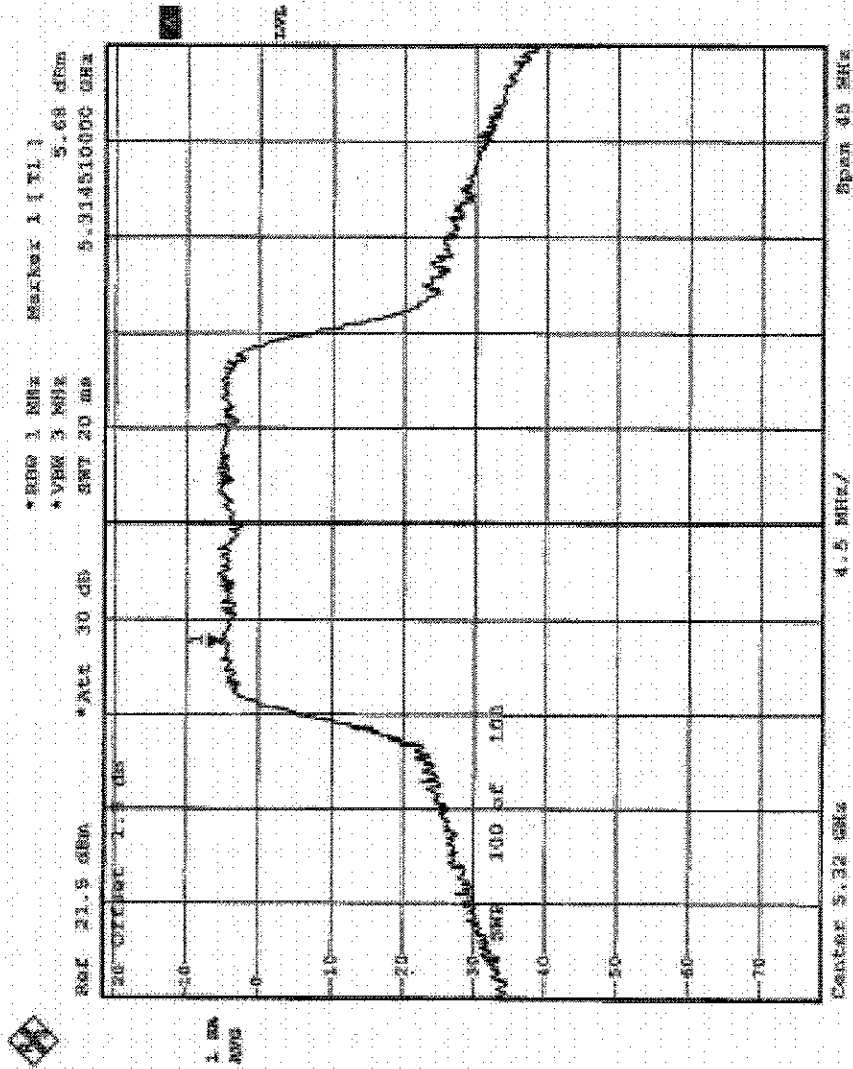


CHANNEL 5





CHANNEL 8



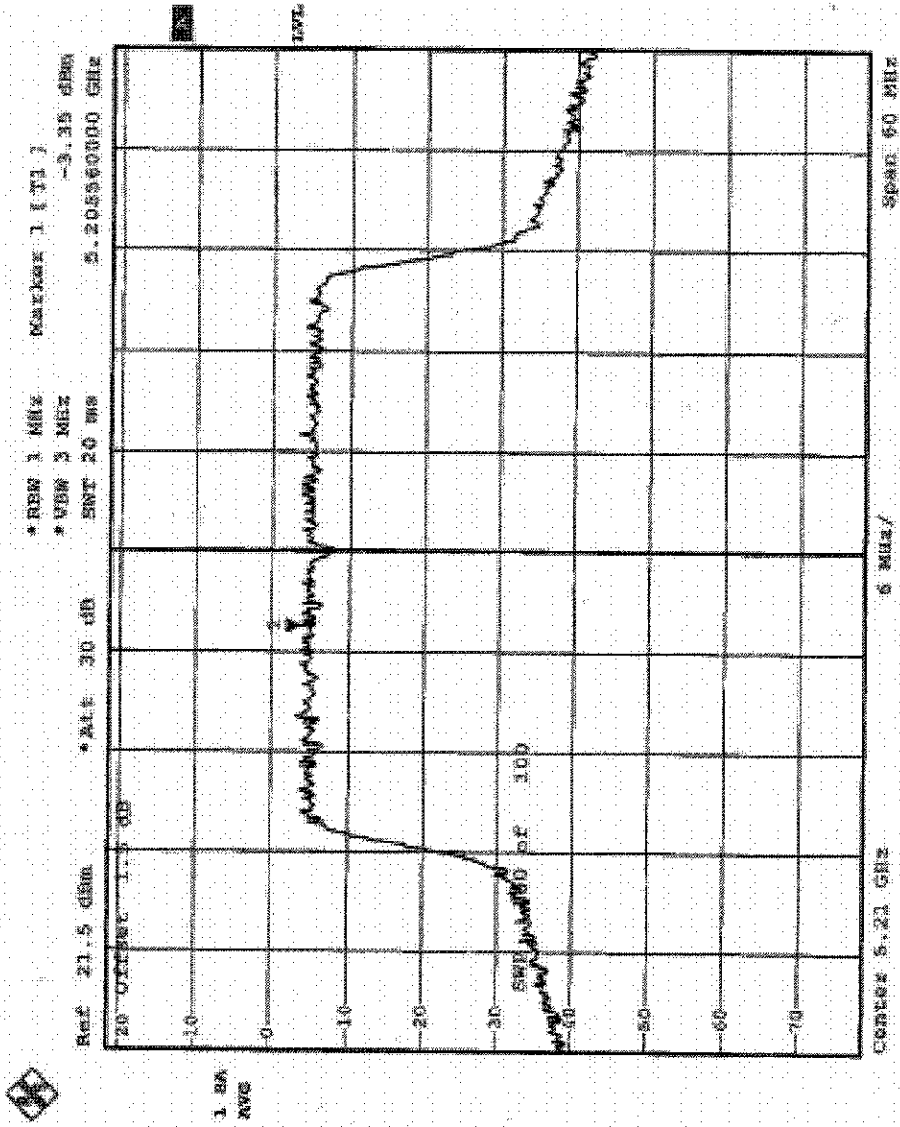


EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
MODE	Turbo	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 969 hPa	TESTED BY	Eric Lee

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 1 MHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5210	-3.35	4	PASS
2	5250	-4.57	4	PASS
3	5290	2.50	11	PASS

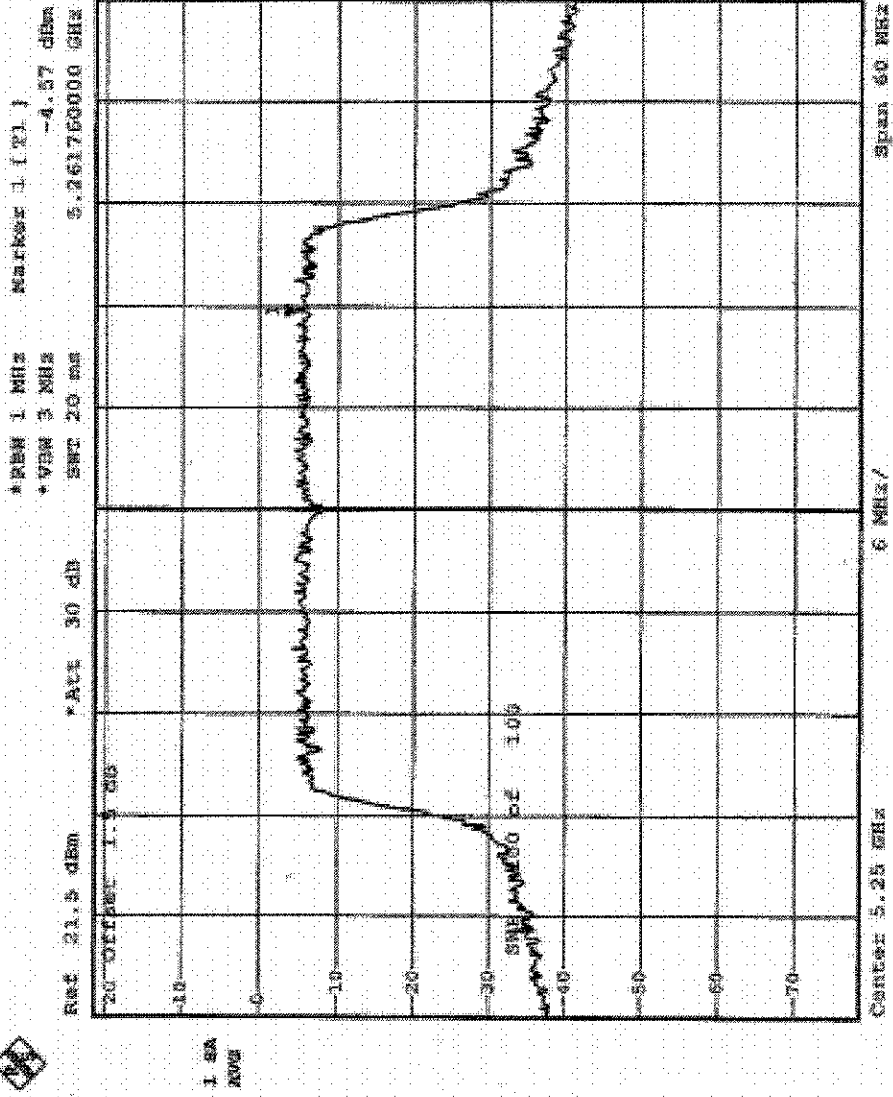


CHANNEL 1



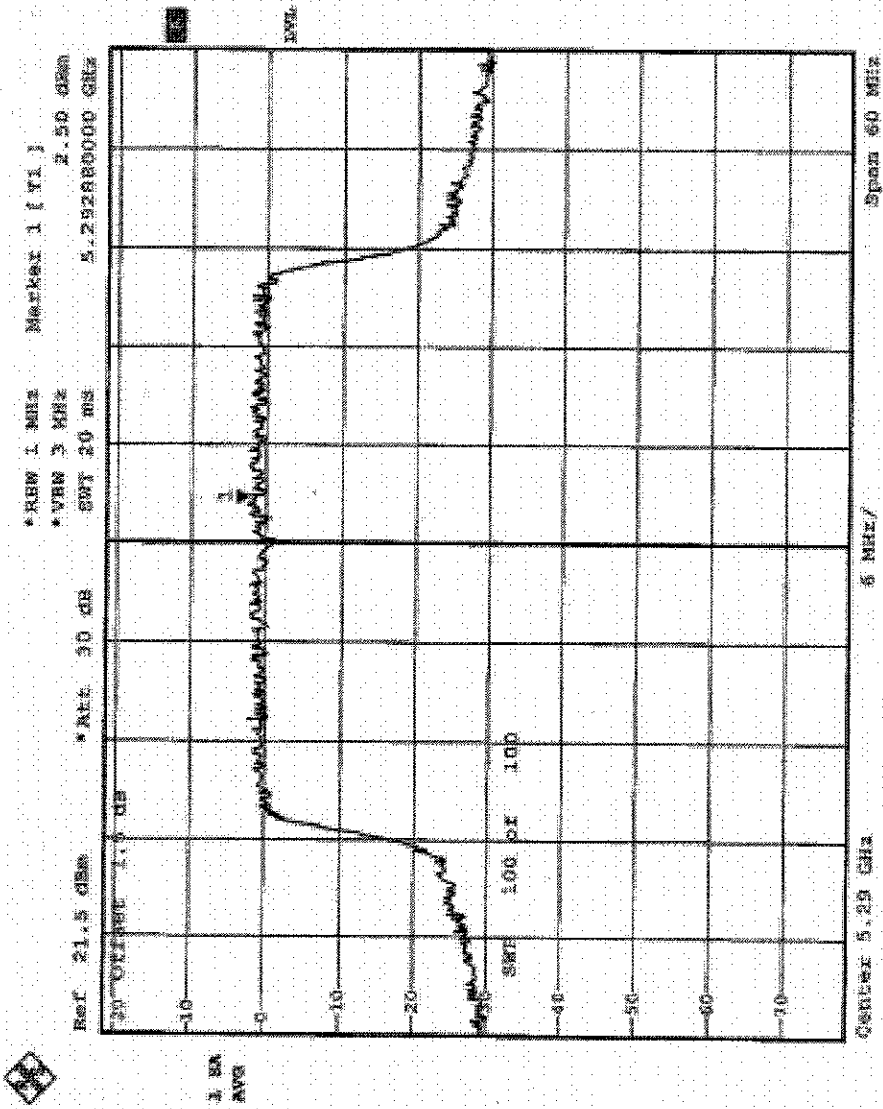


CHANNEL 2





CHANNEL 3





5.6 FREQUENCY STABILITY

5.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency tolerance of the carrier signal shall be maintained within +/- 0.02% of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

5.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2004

NOTE:

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

5.6.3 TEST PROCEDURE

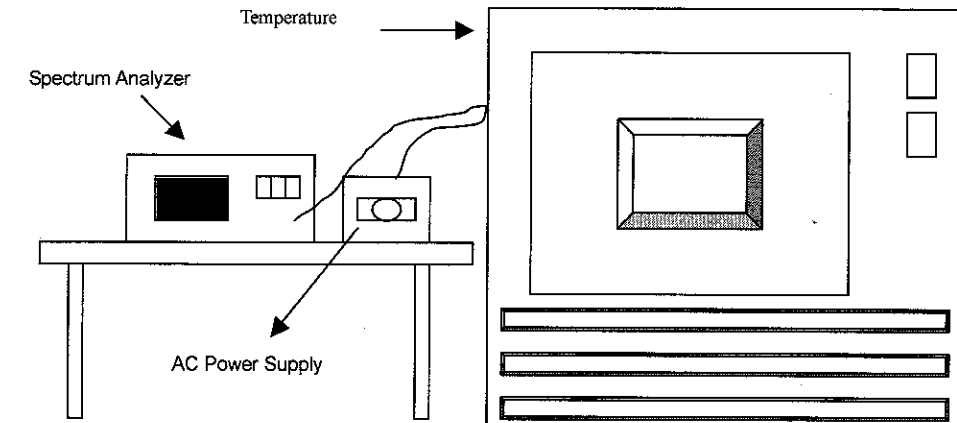
1. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

5.6.4 DEVIATION FROM TEST STANDARD



No deviation

5.6.5 TEST SETUP



5.6.6 EUT OPERATING CONDITION

Same as Item 4.1.6



5.6.7 TEST RESULTS

		Operating frequency: 5320MHz				Limit : $\pm 0.02\%$	
Temp. (°C)	Power supply (VAC)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
50	126.5	5319.9982	-0.000034%	5319.9981	-0.000036%	5319.9979	-0.000039%
	110.0	5319.9984	-0.000030%	5319.9982	-0.000034%	5319.9981	-0.000036%
	93.5	5319.9983	-0.000032%	5319.9981	-0.000036%	5319.9978	-0.000041%
40	126.5	5319.9942	-0.000109%	5319.9941	-0.000111%	5319.9939	-0.000115%
	110.0	5319.9944	-0.000105%	5319.9945	-0.000103%	5319.9947	-0.000100%
	93.5	5319.9942	-0.000109%	5319.9941	-0.000111%	5319.9940	-0.000113%
30	126.5	5319.9987	-0.000024%	5319.9986	-0.000026%	5319.9985	-0.000028%
	110.0	5319.9988	-0.000023%	5319.9987	-0.000024%	5319.9986	-0.000026%
	93.5	5319.9986	-0.000026%	5319.9985	-0.000028%	5319.9984	-0.000030%
20	126.5	5319.9991	-0.000017%	5319.9991	-0.000017%	5319.9990	-0.000019%
	110.0	5319.9992	-0.000015%	5319.9991	-0.000017%	5319.9990	-0.000019%
	93.5	5319.9991	-0.000017%	5319.999	-0.000019%	5319.9989	-0.000021%
10	126.5	5320.0014	0.000026%	5320.0015	0.000028%	5320.0017	0.000032%
	110.0	5320.0012	0.000023%	5320.0013	0.000024%	5320.0015	0.000028%
	93.5	5320.0011	0.000021%	5320.0012	0.000023%	5320.0013	0.000024%
0	126.5	5320.0002	0.000004%	5320.0004	0.000008%	5320.0008	0.000015%
	110.0	5320.0004	0.000008%	5320.0006	0.000011%	5320.0008	0.000015%
	93.5	5320.0003	0.000006%	5320.0005	0.000009%	5320.0007	0.000013%
-10	126.5	5320.003	0.000056%	5320.0029	0.000055%	5320.0028	0.000053%
	110.0	5320.0028	0.000053%	5320.0029	0.000055%	5320.0031	0.000058%
	93.5	5320.0027	0.000051%	5320.0029	0.000055%	5320.0031	0.000058%
-20	126.5	5320.0142	0.000267%	5320.0142	0.000267%	5320.0144	0.000271%
	110.0	5320.0140	0.000263%	5320.0141	0.000265%	5320.0143	0.000269%
	93.5	5320.0141	0.000265%	5320.0141	0.000265%	5320.0142	0.000267%
-30	126.5	5320.0168	0.000316%	5320.0169	0.000318%	5320.0172	0.000323%
	110.0	5320.0168	0.000316%	5320.0169	0.000318%	5320.0172	0.000323%
	93.5	5320.0169	0.000318%	5320.0170	0.000320%	5320.0172	0.000323%



5.7 BAND EDGES MEASUREMENT

5.7.1 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP	1093.4495.30	Dec. 19, 2004

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.

5.7.2 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set RBW of spectrum analyzer to 1MHz and VBW of spectrum analyzer to 300Hz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

5.7.3 EUT OPERATING CONDITION

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



5.7.4 TEST RESULTS (Antenna 1)

For signals in the restricted bands above and below the 5.15 to 5.35 GHz allocated band a measurement was made of the amplitude of the spurious emissions with respect to the intentional signals. The relative amplitude, in dBc, was applied to the average and peak field strength of the intentional signal made on the OATS to calculate the field strength of the unintentional signals.

The spectrum plots (Average RBW=1MHz, VBW=300Hz) are attached on the following 2 pages.



Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 50.86dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 8 (normal mode) is 102.30dBuV/m, so the maximum field strength in restrict band is $102.30 - 50.86 = 51.44$ dBuV/m which is under 54 dBuV/m limit.

