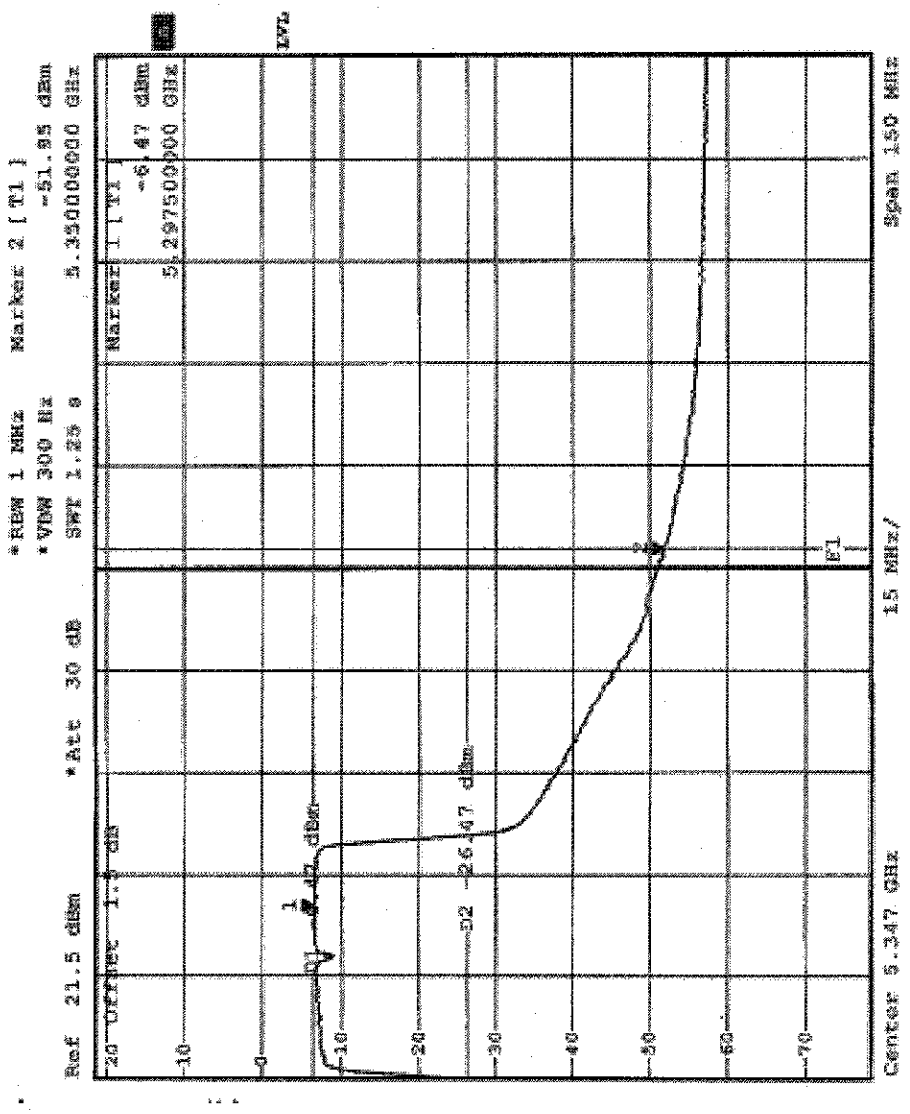
Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 45.48dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 3 (turbo mode) is 92.10dBuV/m, so the maximum field strength in restrict band is 92.10-45.48=46.62dBuV/m which is under 54dBuV/m limit.



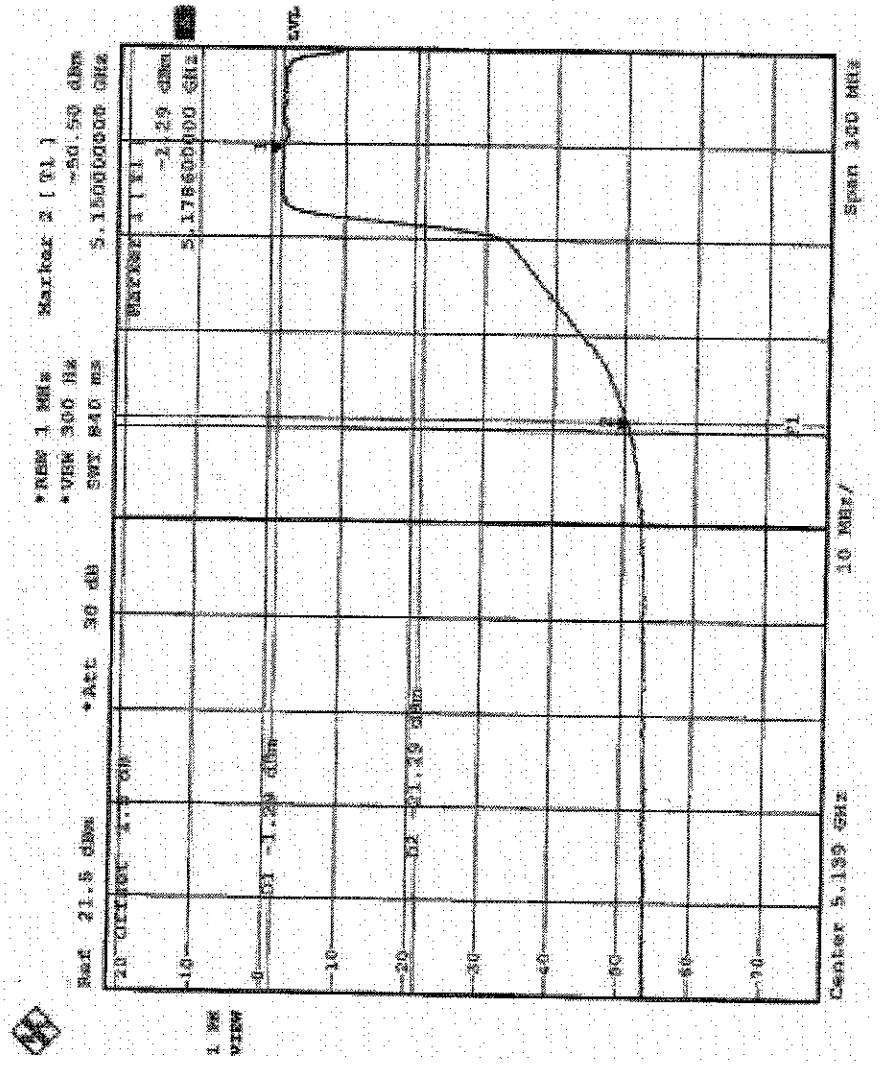
5.7.5 TEST RESULTS (Antenna 2)

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 filed 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 4 pages.

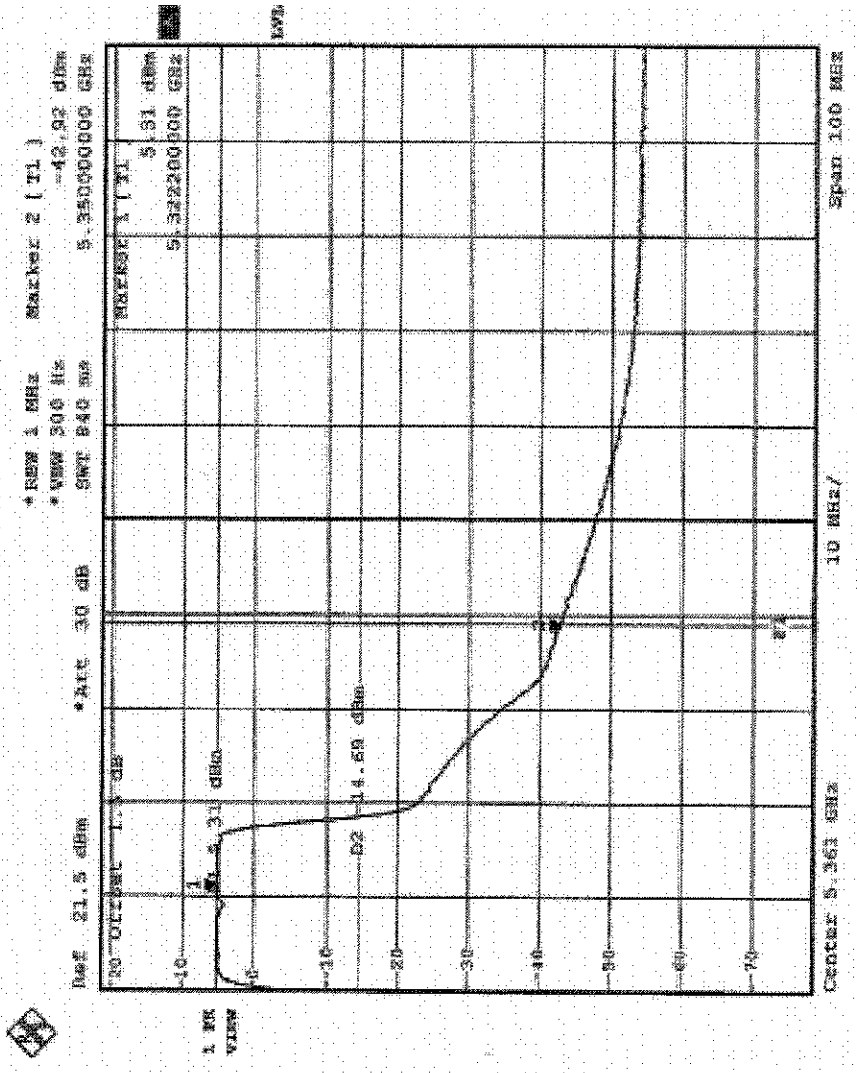
Normal Mode: Channel 1 (5180 MHz)

The band edge emission plot on the following page shows 49.21dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 1 (normal mode) is 95.50dBuV/m, so the maximum field strength in restrict band is 95.50-49.21=46.29dBuV/m which is under 54dBuV/m limit.



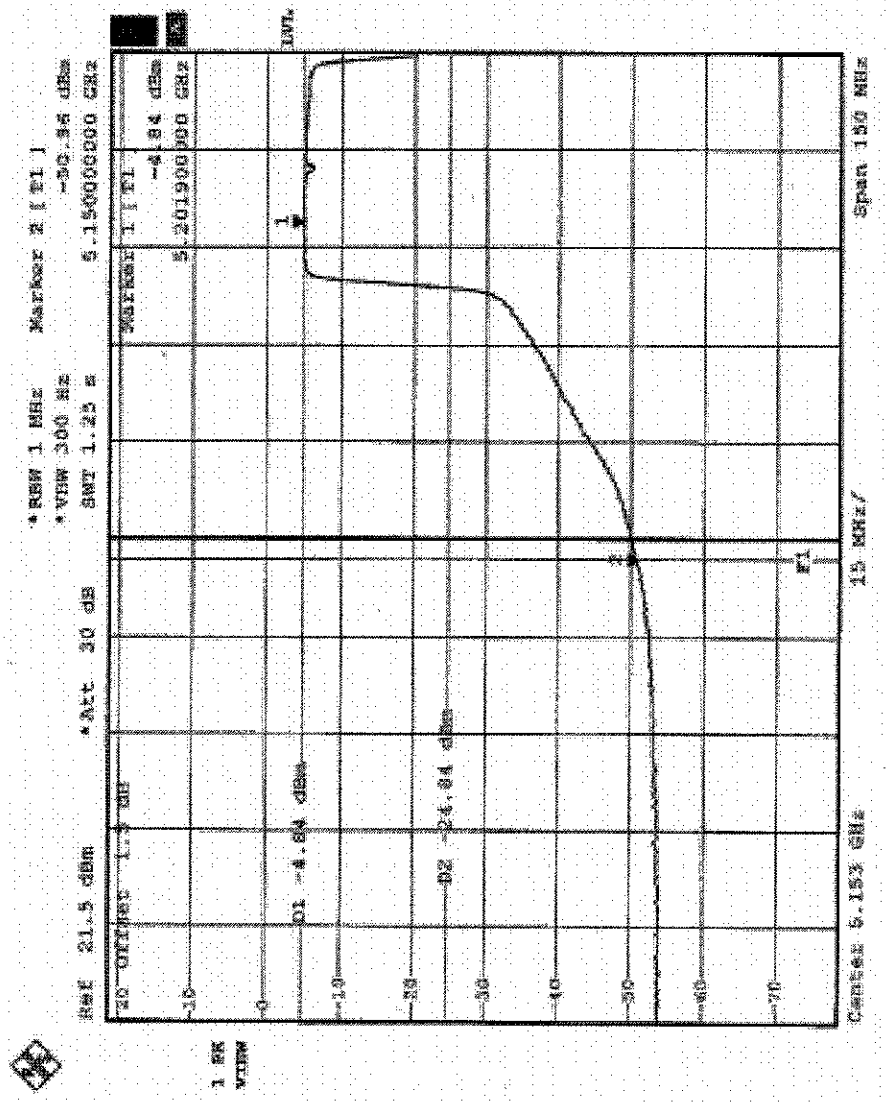
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 48.23dBc (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 100.20dBuV/m, so the maximum field strength in restrict band is 100.20-48.23=51.97dBuV/m which is under 54dBuV/m limit.



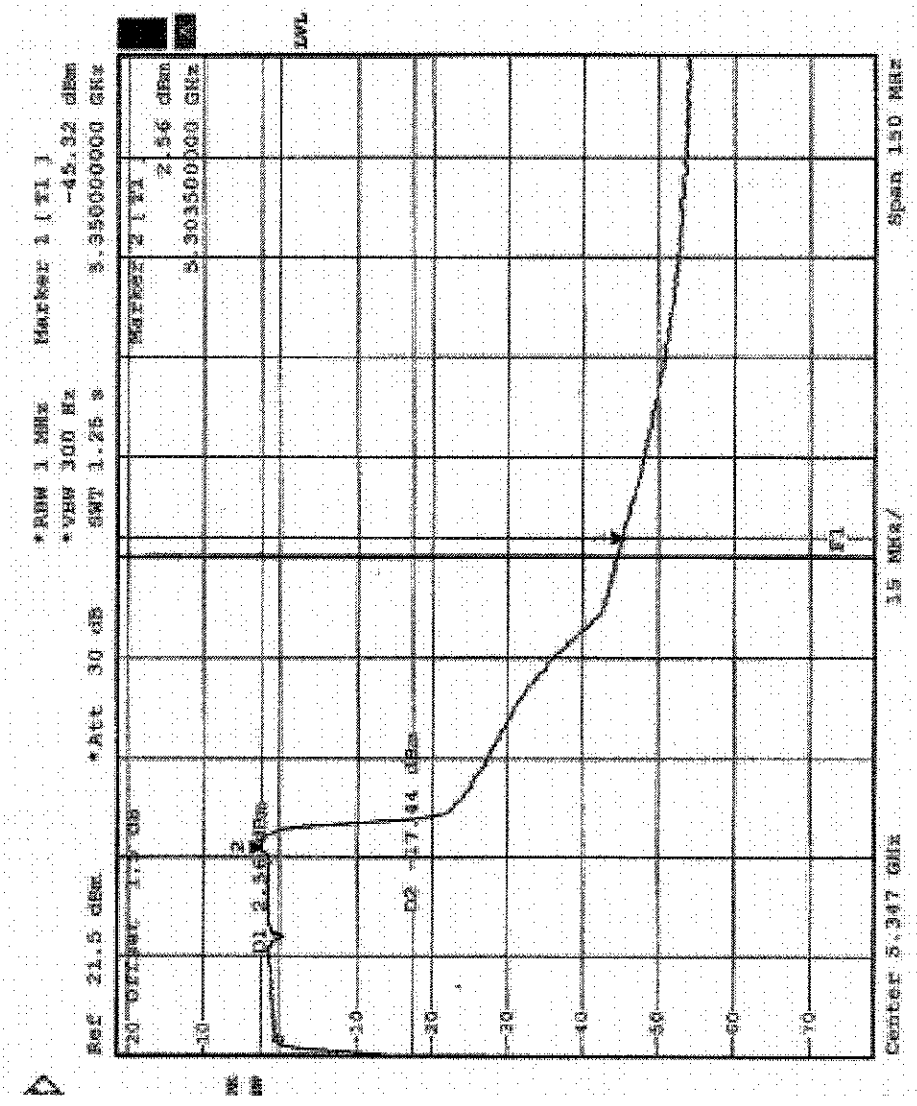
Turbo Mode: Channel 1 (5210 MHz)

The band edge emission plot on the following page shows 46.12dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 1 (turbo mode) is 93.90dBuV/m, so the maximum field strength in restrict band is 93.90-46.12=47.78dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 47.88dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 3 (turbo mode) is 90.10dBuV/m, so the maximum field strength in restrict band is 90.10-47.88=42.22dBuV/m which is under 54dBuV/m limit.



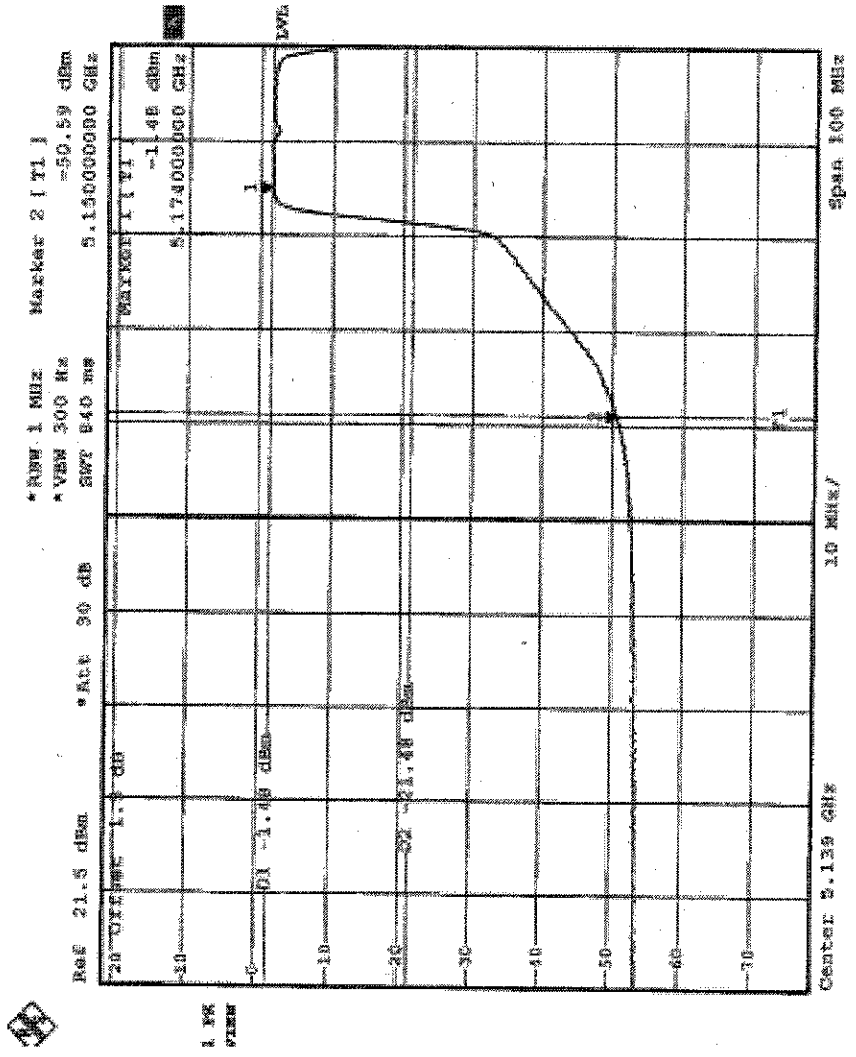
5.7.6 TEST RESULTS (Antenna 3)

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 filed 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 4 pages.

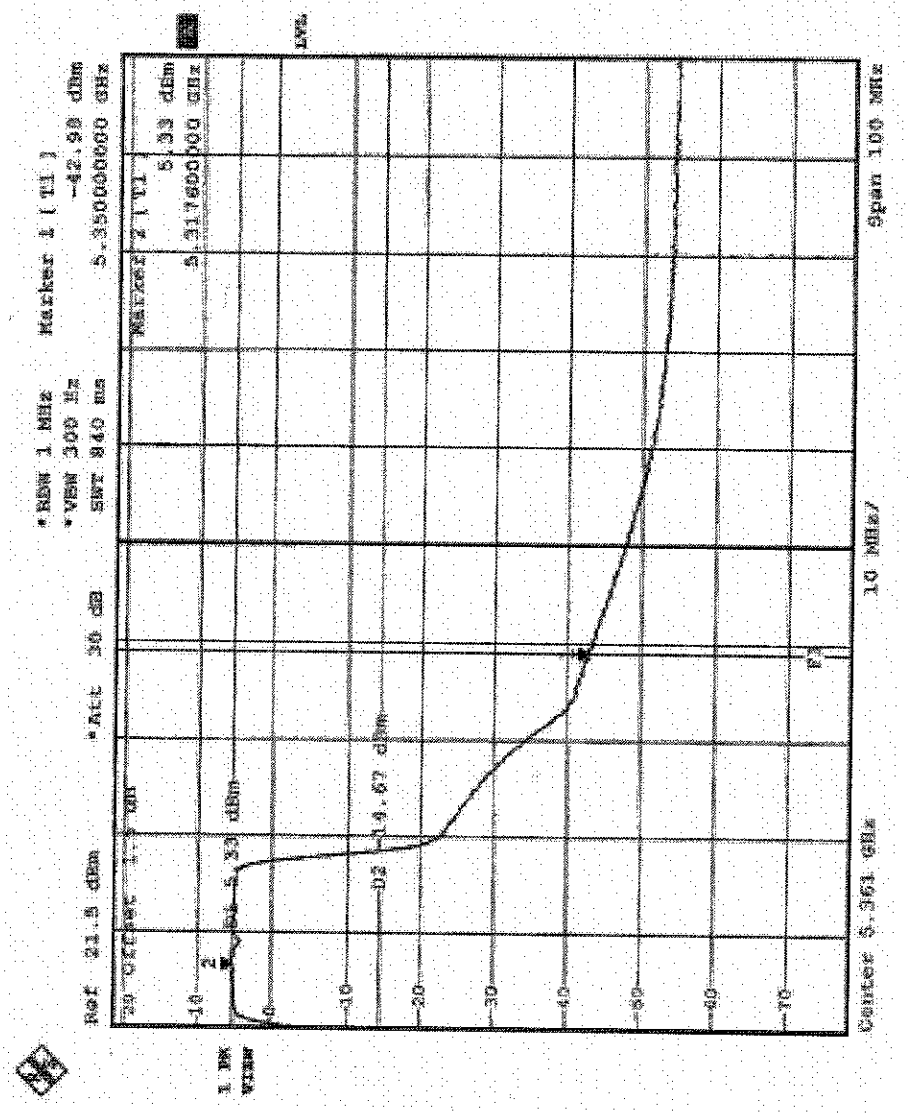
Normal Mode: Channel 1 (5180 MHz)

The band edge emission plot on the following page shows 49.11dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 1 (normal mode) is 95.00dBuV/m, so the maximum field strength in restrict band is 95.00-49.11=45.89dBuV/m which is under 54dBuV/m limit.



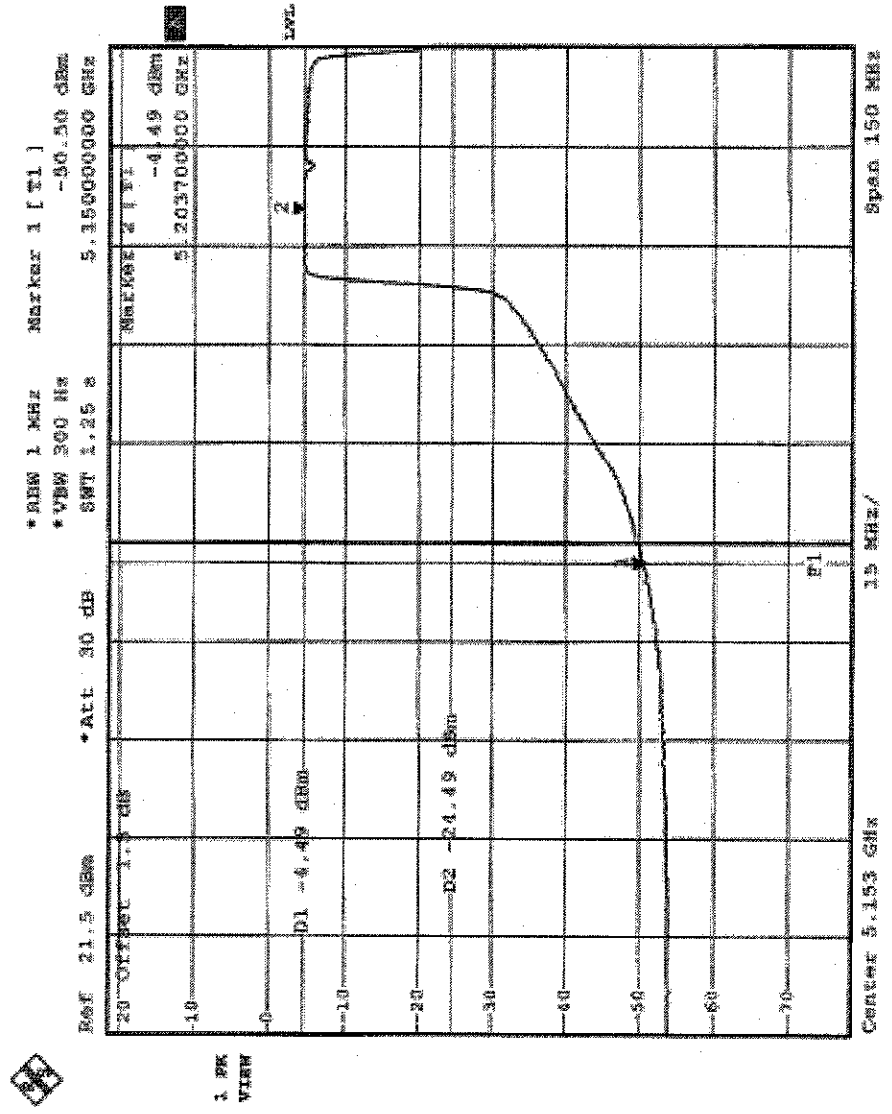
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 48.31dBc (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 100.10dBuV/m, so the maximum field strength in restrict band is 100.10-48.31=51.79dBuV/m which is under 54dBuV/m limit.



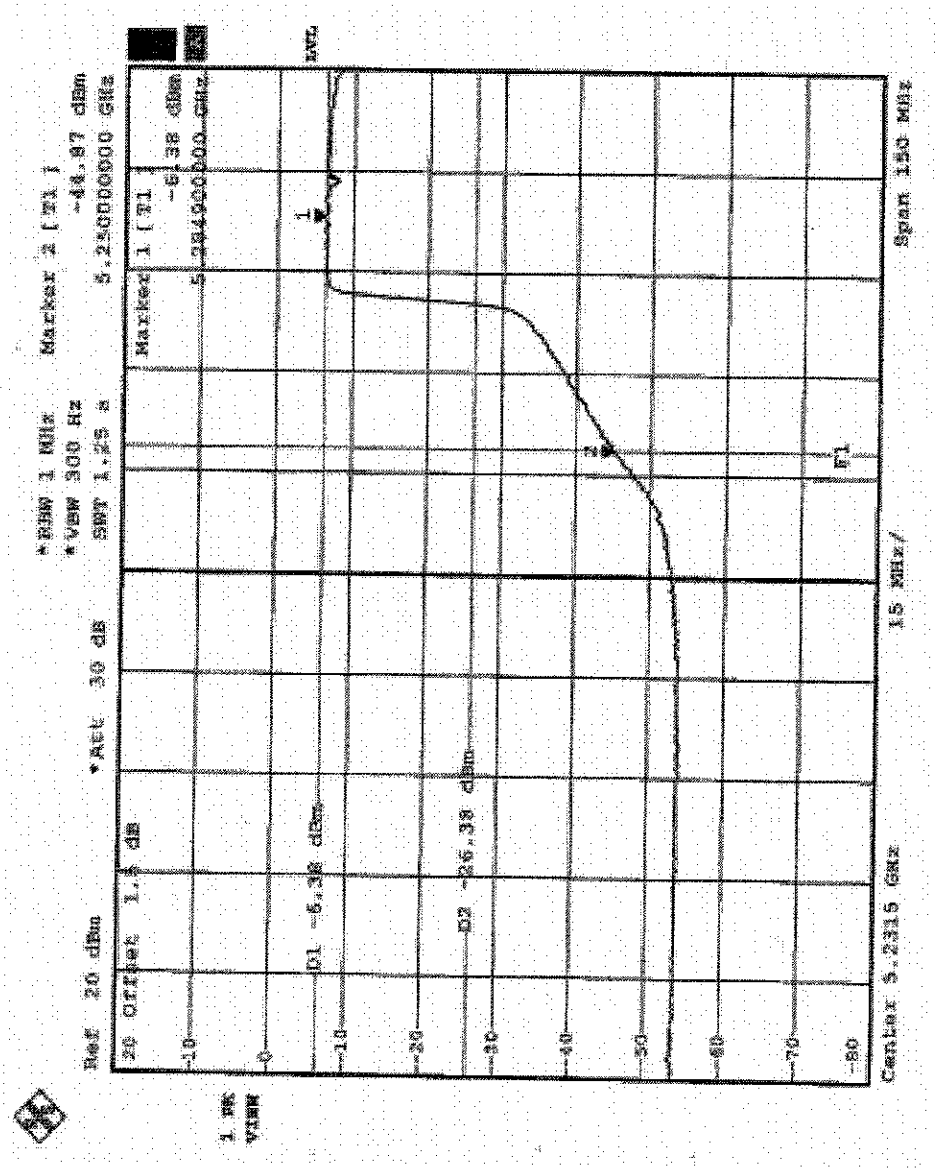
Turbo Mode: Channel 1 (5210 MHz)

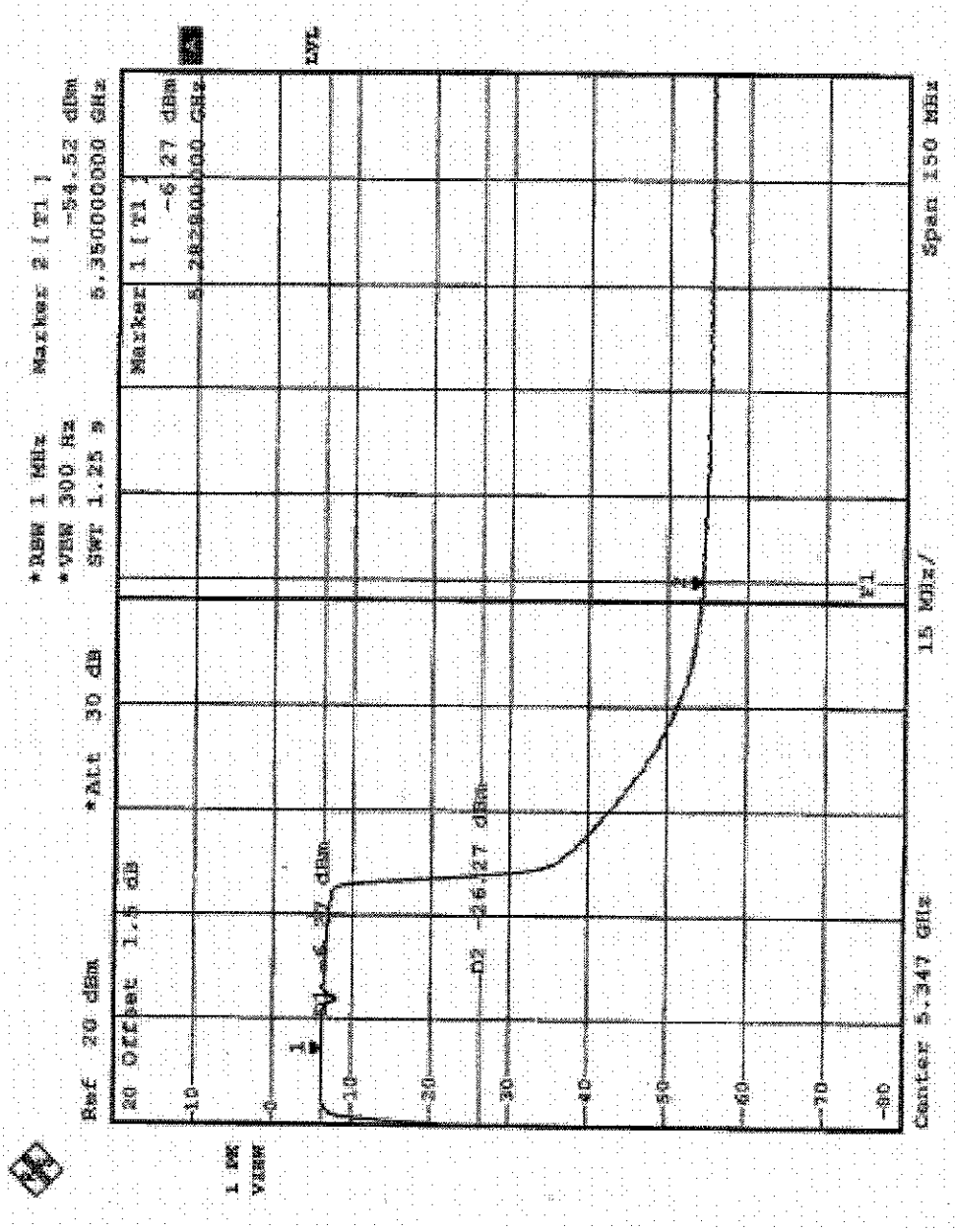
The band edge emission plot on the following page shows 46.01dBc (Average) between carrier maximum power and local maximum emission in restrict band. The emission of carrier strength list in the test result of channel 1 (turbo mode) is 92.00dBuV/m, so the maximum field strength in restrict band is 92.00-46.01=45.99dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 48.25dBc (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 (turbo mode) is 95.50dBuV/m, so the maximum field strength in restrict band is 95.50-48.25=47.25dBuV/m which is under 54dBuV/m limit.




*RBW 1 kHz
*VBW 300 Hz
SWP 1.25 s
Marker 2 [T1]
-54.52 dBm
5.350000000 GHz
Marker 1 [T1]
-6.27 dBm
5.282000000 GHz
Ref 20 dBm
Offset 1.4 dB
*Att 30 dB
-6.27 dBm
-26.27 dBm
Center 5.347 GHz
15 MHz/
Span 150 MHz

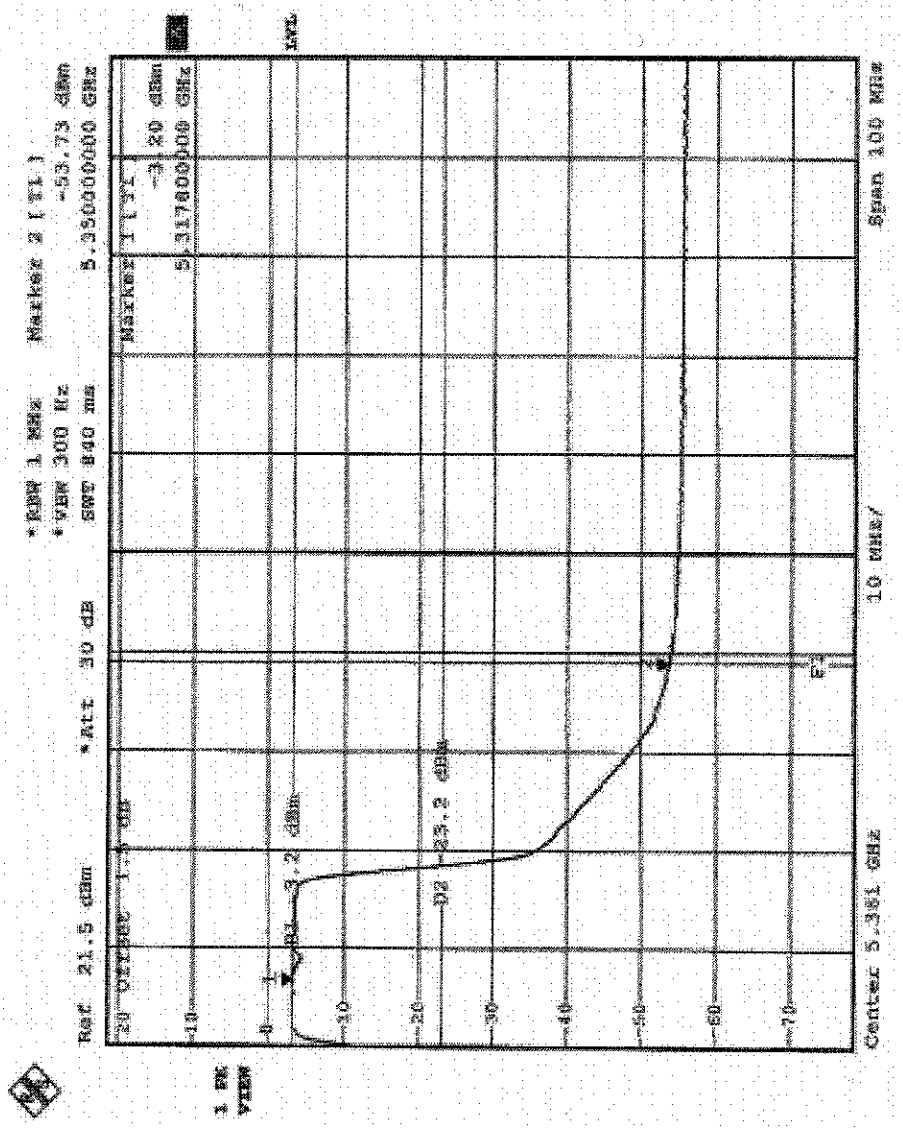
5.7.7 TEST RESULTS (Antenna 4)

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 filed 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.

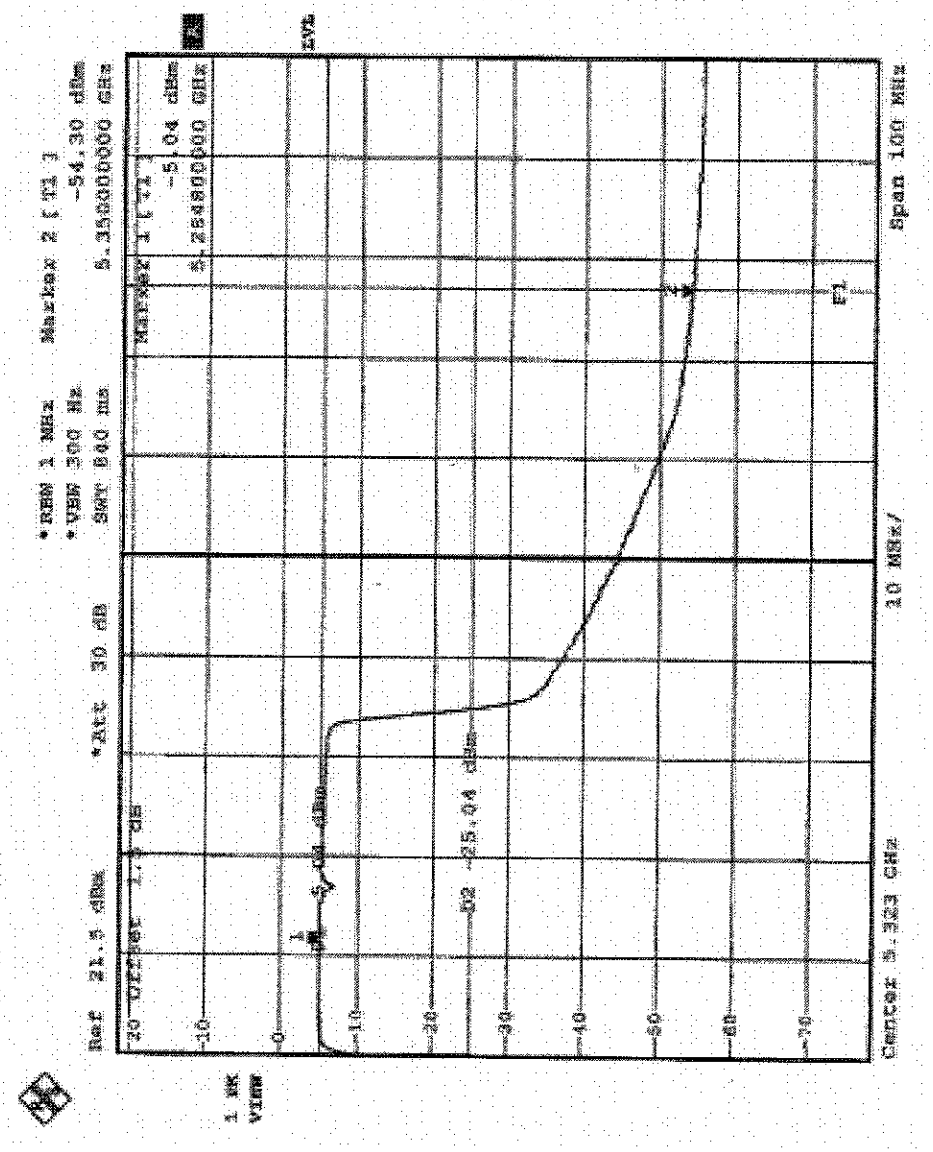
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 50.53dBc (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 97.60dBuV/m, so the maximum field strength in restrict band is 97.60-50.53=47.07dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 49.26dBc (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 (turbo mode) is 94.50dBuV/m, so the maximum field strength in restrict band is 94.50-49.26=45.24dBuV/m which is under 54dBuV/m limit.



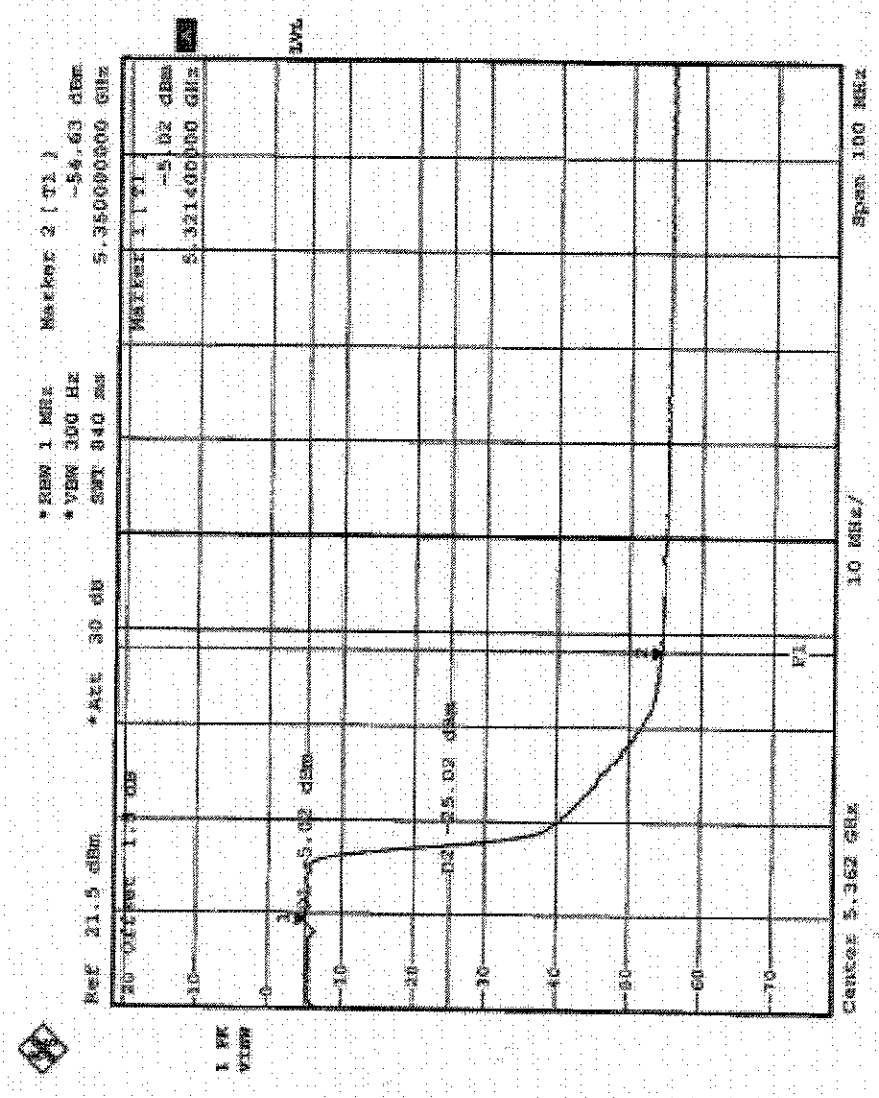
5.7.8 TEST RESULTS (Antenna 5)

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 filed 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.

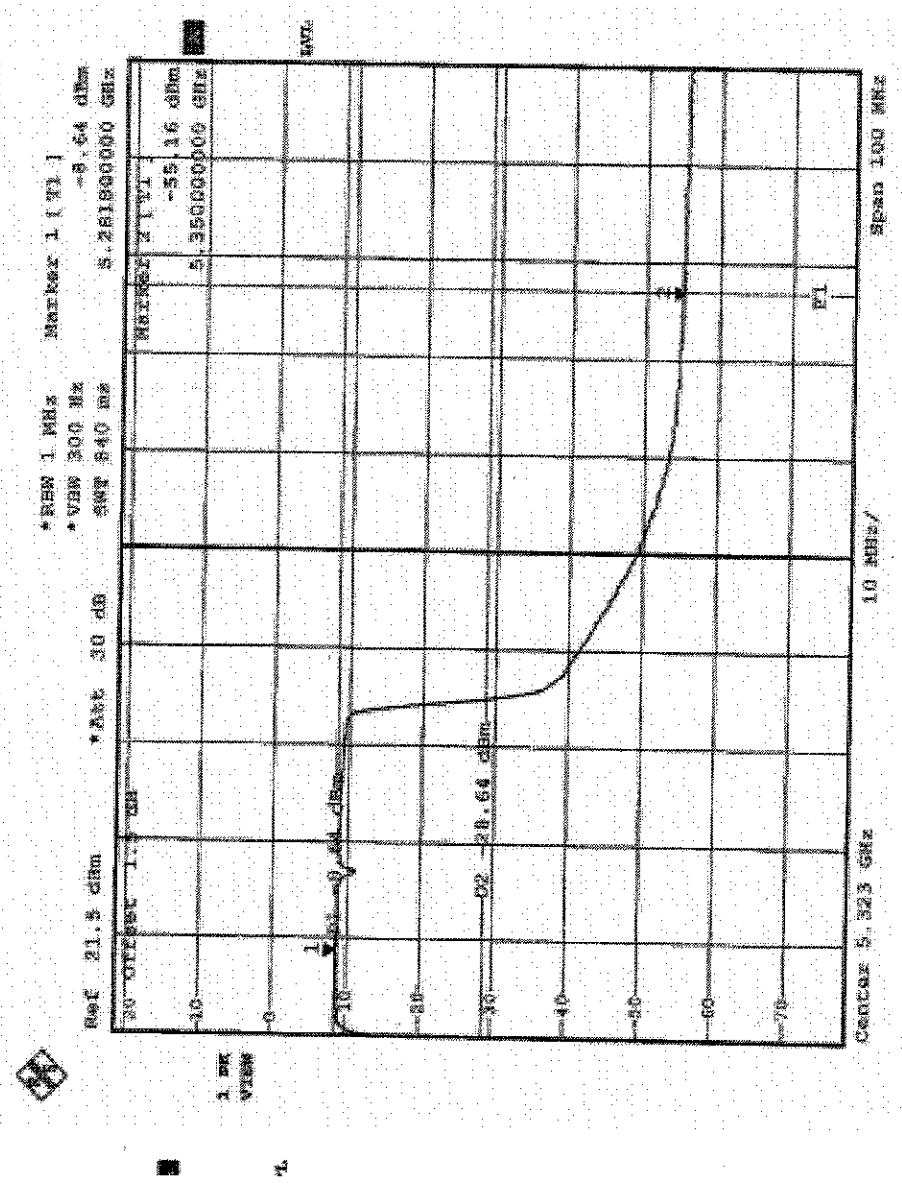
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 49.61dBc (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 96.20dBuV/m, so the maximum field strength in restrict band is 96.20-49.61=46.59dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 46.52dBc (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 (turbo mode) is 93.60dBuV/m, so the maximum field strength in restrict band is 93.60-46.52=47.08dBuV/m which is under 54dBuV/m limit.



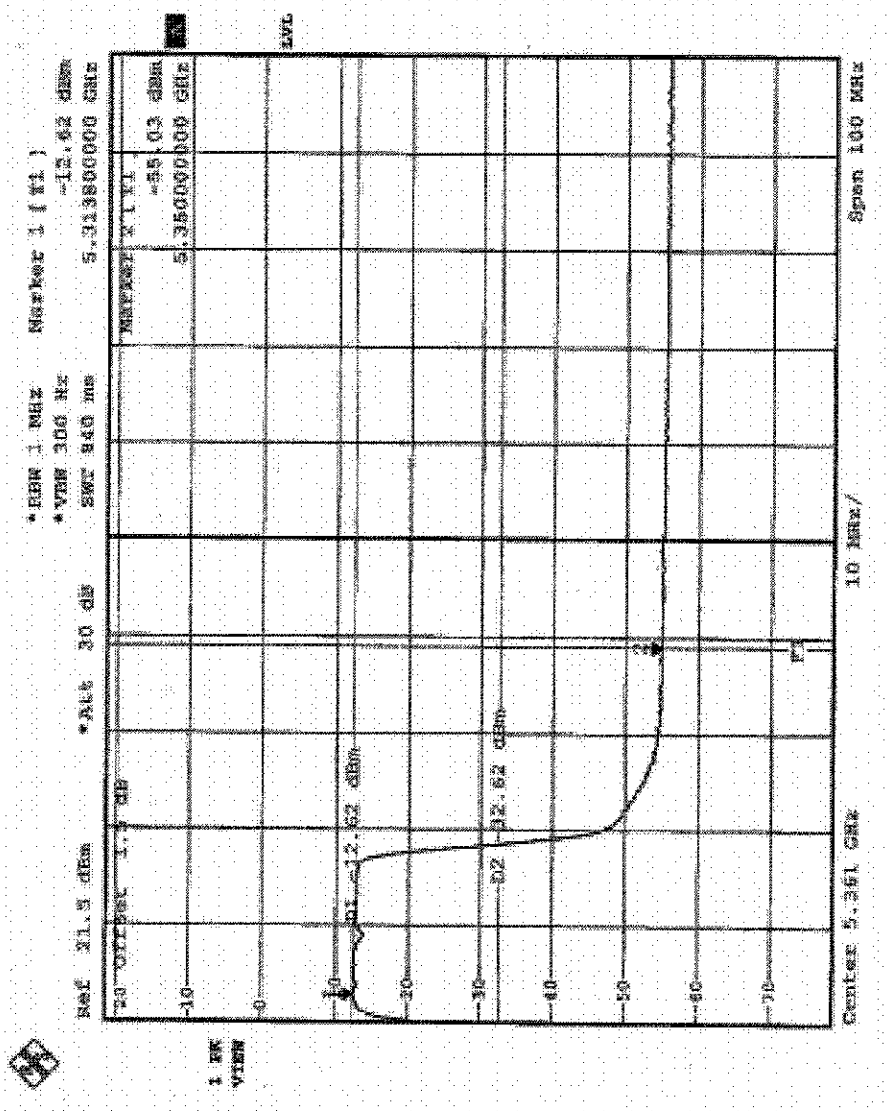
5.7.9 TEST RESULTS (Antenna 6)

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 filed 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.

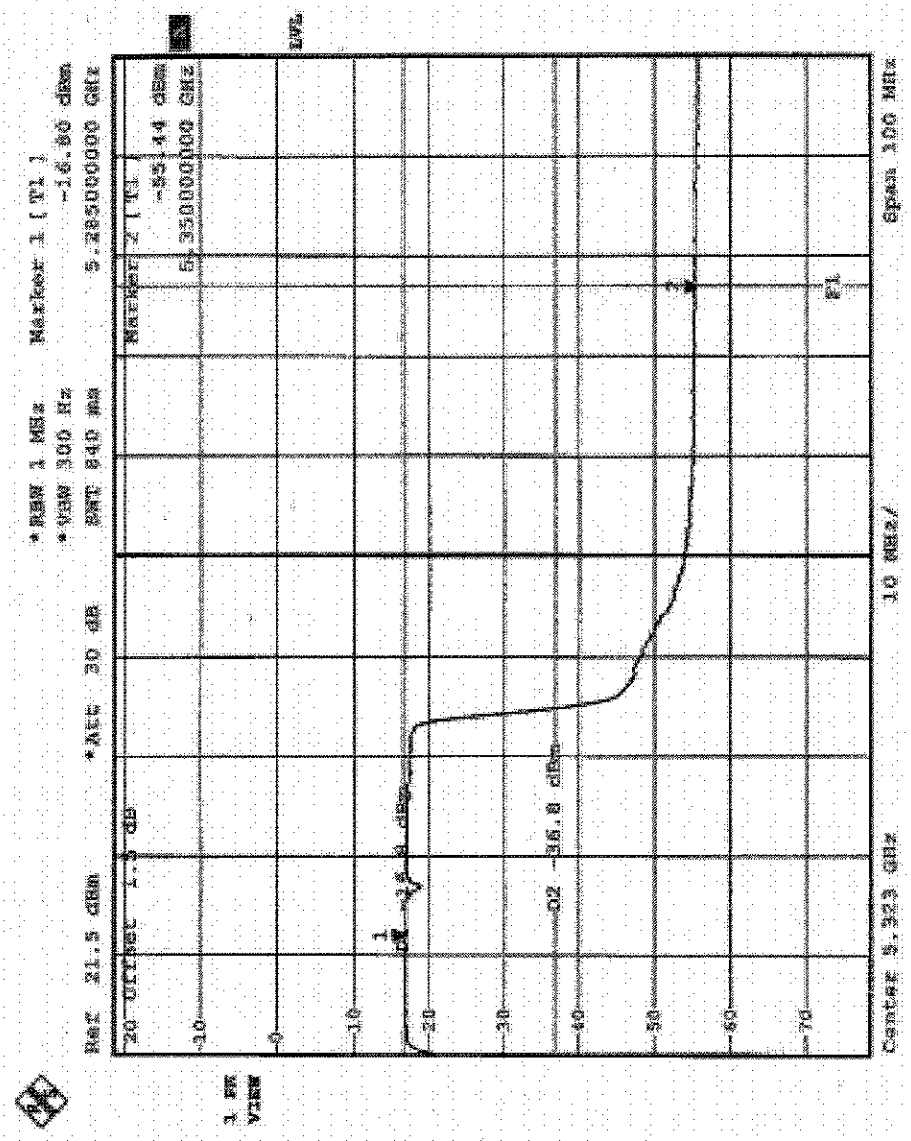
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 42.41dBc (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 92.10dBuV/m, so the maximum field strength in restrict band is 92.10-42.41=49.69dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 38.64dBc (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 (turbo mode) is 89.80dBuV/m, so the maximum field strength in restrict band is 89.80-38.64=51.16dBuV/m which is under 54dBuV/m limit.



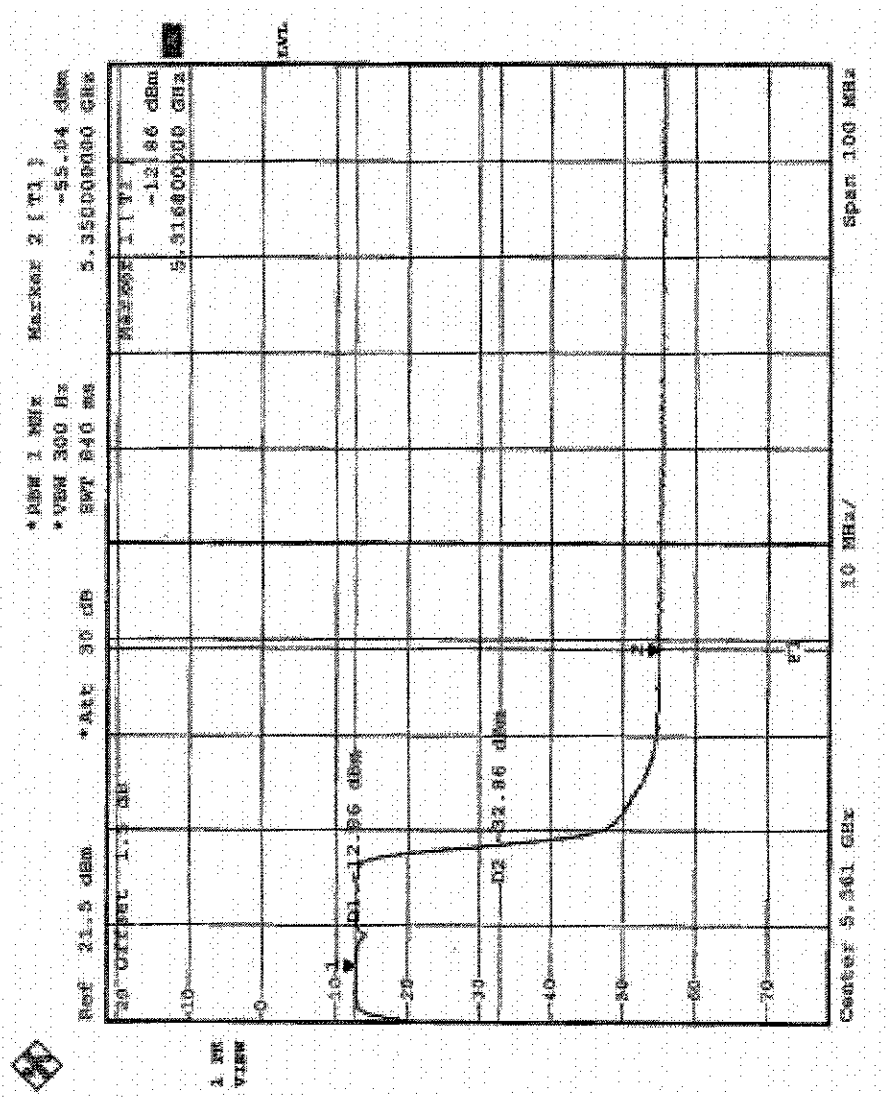
5.7.10 TEST RESULTS (Antenna 7)

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 filed 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.

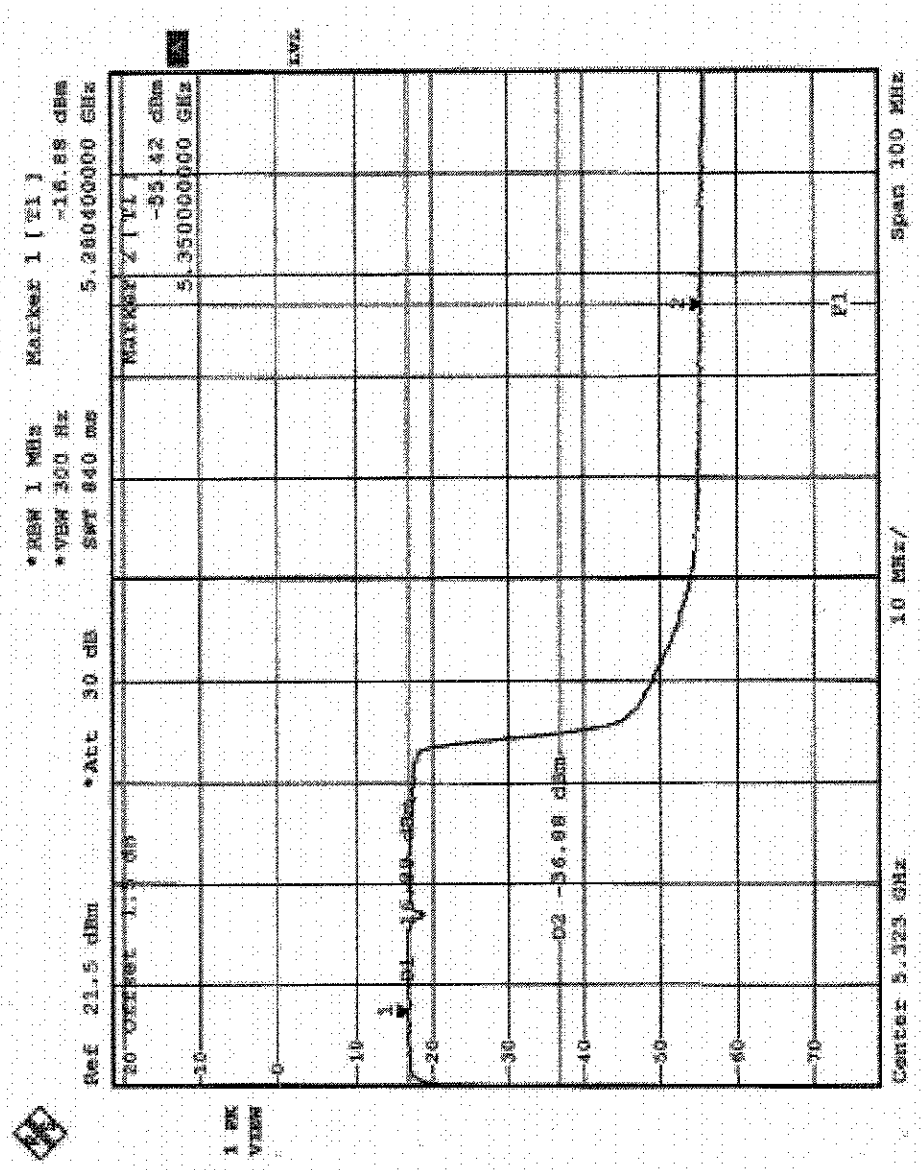
Normal Mode: Channel 8 (5320 MHz)

The band edge emission plot on the following page shows 42.18dBc (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 90.50dBuV/m, so the maximum field strength in restrict band is 90.50-42.18=48.32dBuV/m which is under 54dBuV/m limit.



Turbo Mode: Channel 3 (5290 MHz)

The band edge emission plot on the following page shows 38.54dBc (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 (turbo mode) is 87.10dBuV/m, so the maximum field strength in restrict band is 87.10-38.54=48.56dBuV/m which is under 54dBuV/m limit.



FOR FREQUENCY 5.725~5.850GHz

5.8 6DB BANDWIDTH MEASUREMENT

5.8.1 LIMITS OF 6DB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

5.8.2 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.

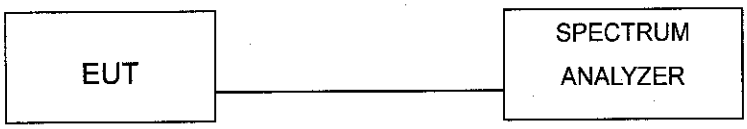
5.8.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 kHz RBW and 100 kHz VBW. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

5.8.4 DEVIATION FROM TEST STANDARD

No deviation

5.8.5 TEST SETUP



5.8.6 EUT OPERATING CONDITIONS

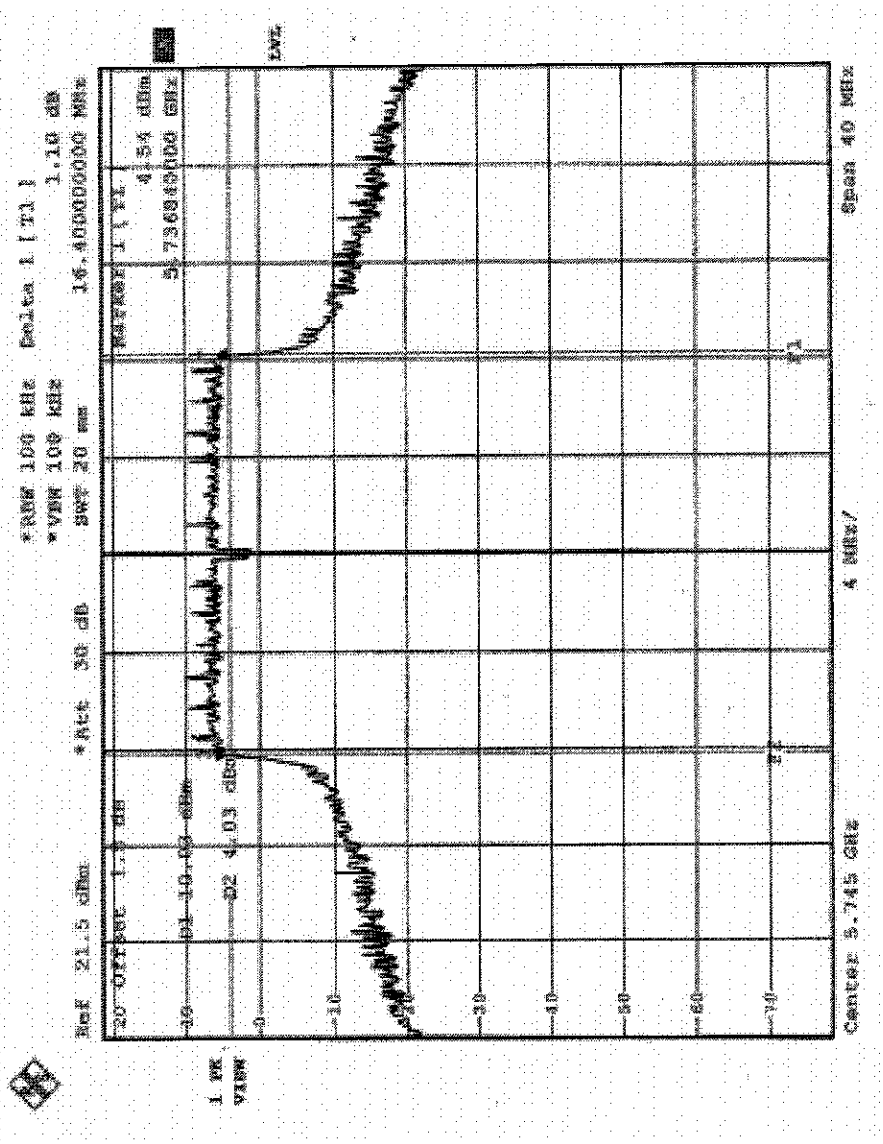
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

5.8.7 TEST RESULTS

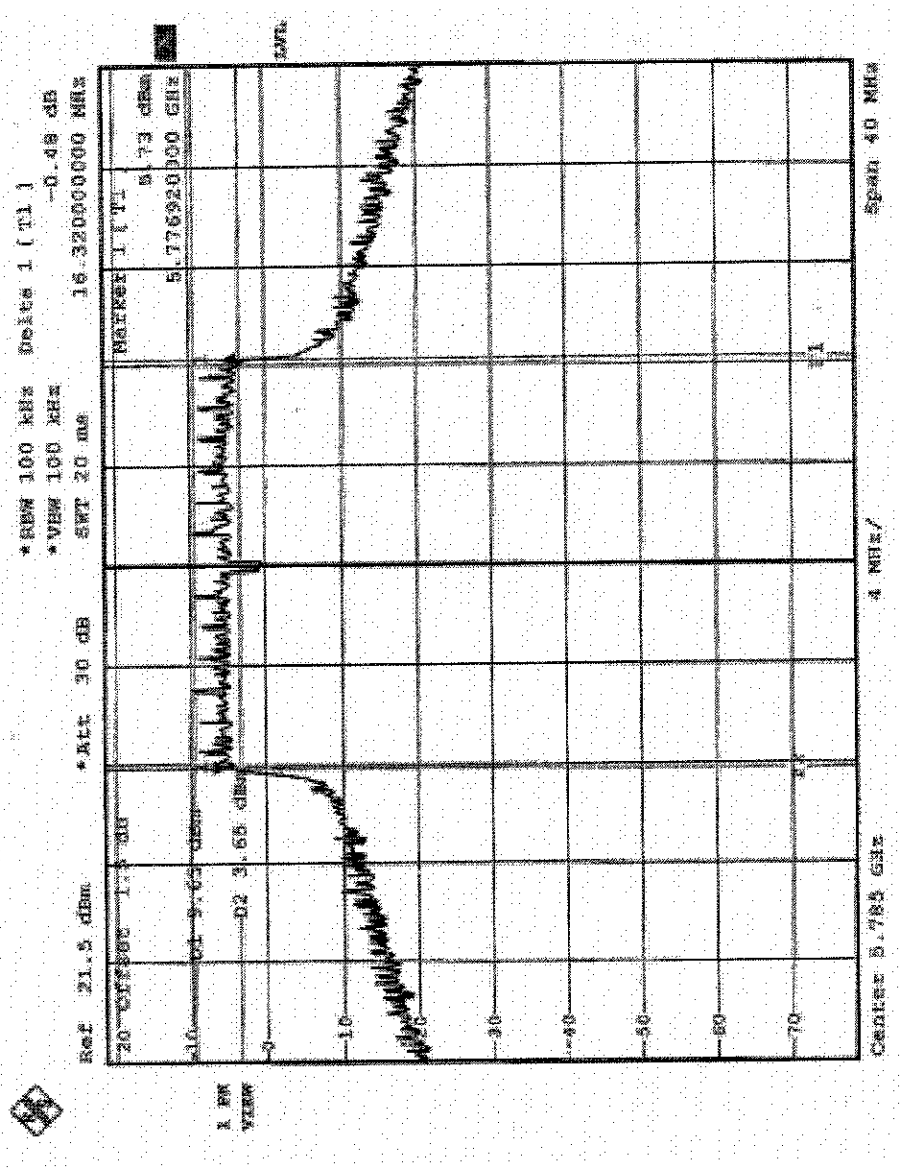
EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg.C, 57%RH, 969 hPa
TEST MODE	Normal	TEST BY	Hank Chung

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
9	5745	16.40	0.5	PASS
11	5785	16.32	0.5	PASS
13	5825	16.32	0.5	PASS

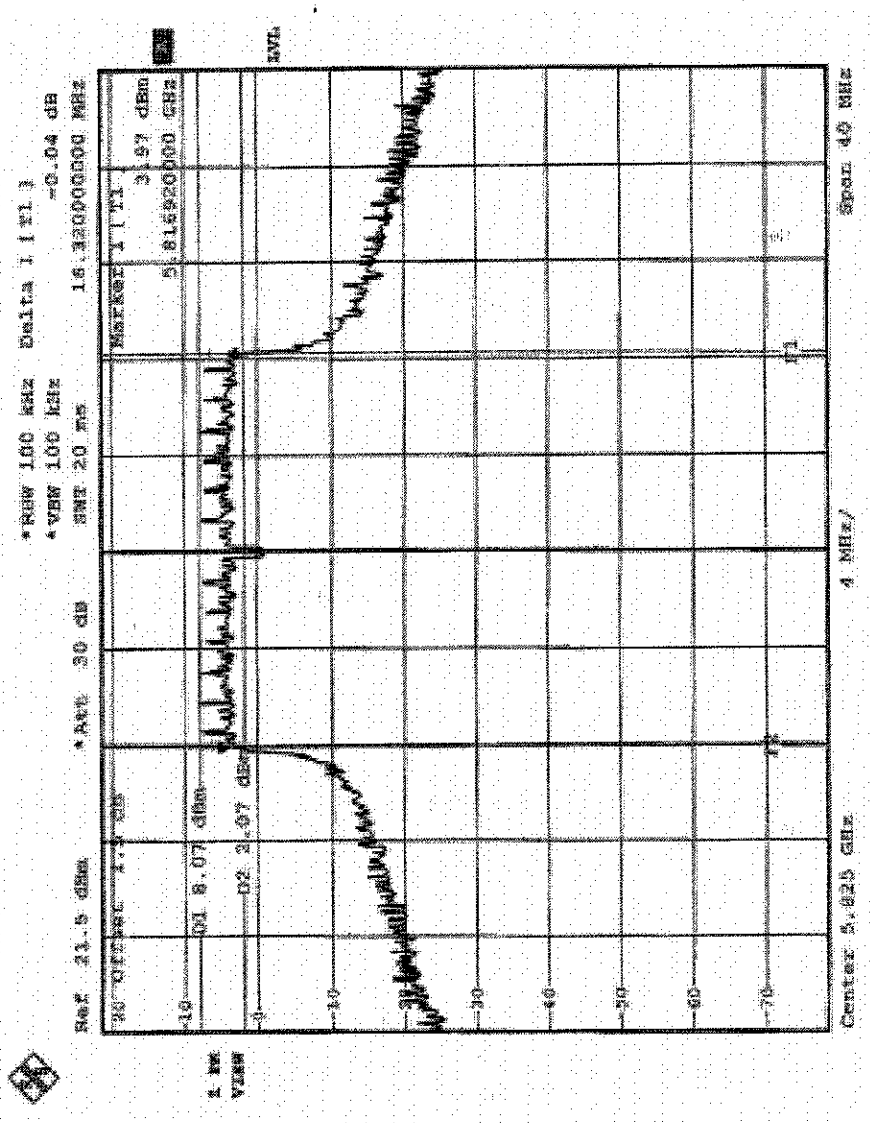
CH9


*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Ref 21.5 dBm
*Att 30 dB
Offset 1.1 dB
1 PK
VIEW
Delta 1 [T1]
1.10 dB
16.400000000 MHz
Marker 1 [T1]
4.54 dBm
5.736846000 GHz
1 PK
VIEW
Center 5.745 GHz
4 MHz/
Span 40 MHz

CH11


Ref 21.5 dBm
Att 30 dB
SWT 20 ms
VBW 100 kHz
RBW 100 kHz
Delta 1 [T1]
-0.48 dB
16.320000000 MHz
Marker 1 [T1]
5.13 dBm
5.776920000 GHz
Center 5.785 GHz
4 MHz/
Span 40 MHz
1 MW
VIEW

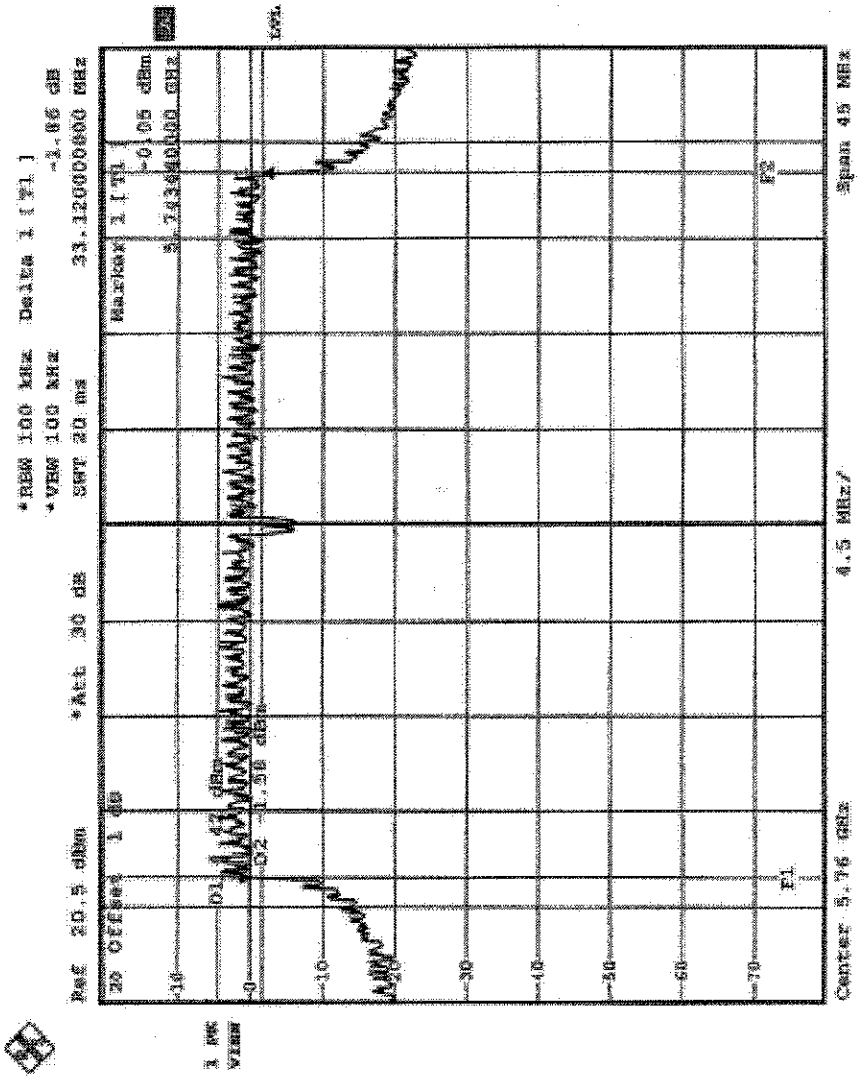
CH13


Ref 23.5 dBm
Offset 2.4 dB
#Att 30 dB
#RBW 100 kHz
#VBW 100 kHz
SWT 20 ms
Delta 1 [T1]
-0.04 dB
16.3200000000 MHz
Marker 1 [T1]
31.97 dBm
5.8159200000 GHz
D1 8.07 dBm
D2 2.07 dB
Center 5.825 GHz
4 MHz/
Span 40 MHz
1 MS
VIEW

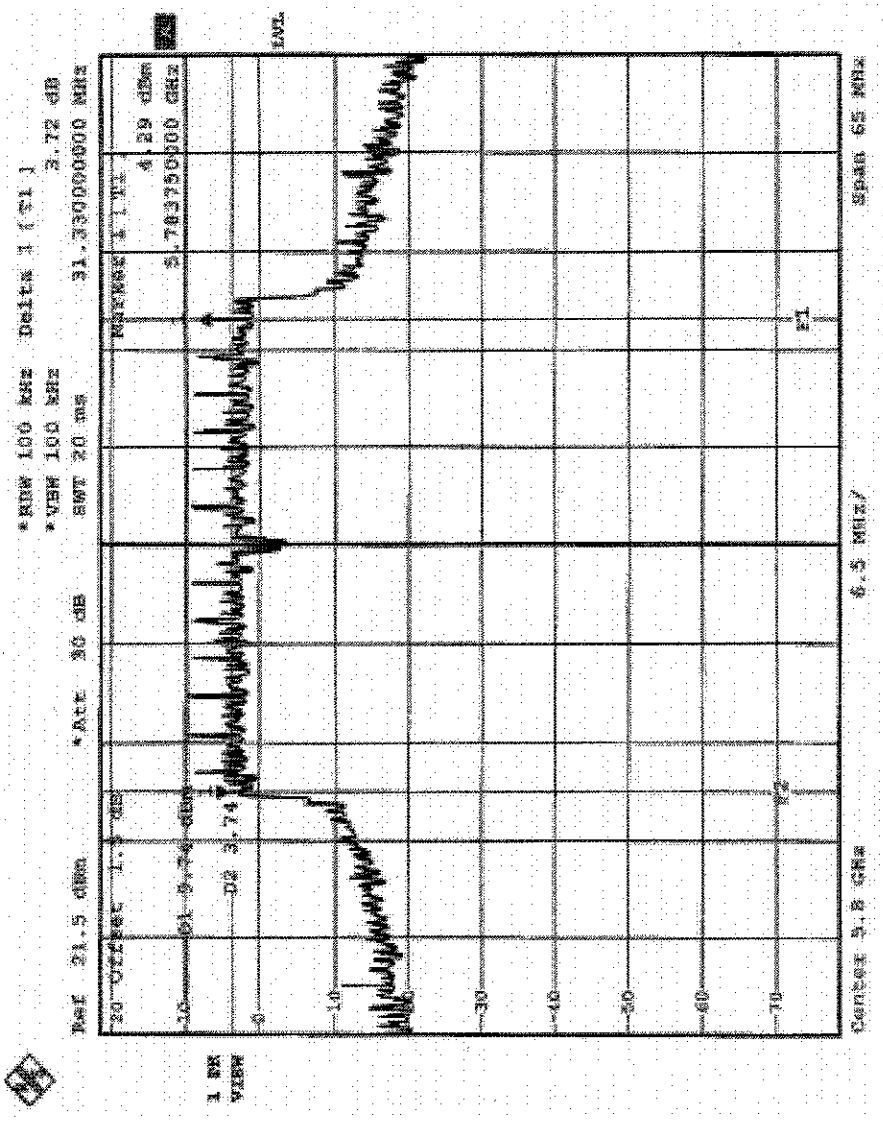
EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	27deg.C, 56%RH, 969 hPa
TEST MODE	Turbo	TEST BY	Hank Chung

CHANNEL	CHANNEL FREQUENCY (MHz)	6 dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
4	5760	31.33	0.5	PASS
5	5800	31.33	0.5	PASS

CH4


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
Offset 1 dB
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-1.86 dB
33.120000000 MHz
Center 5.76 GHz
4.5 MHz/
Span 45 MHz

CH5


Ref 21.5 dBm
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Delta 1 [T1]
3.72 dB
33.3300000000 kHz
Marker 1 [T1]
4.29 dBm
5.7837900000 GHz
Center 5.8 GHz
6.5 MHz/
Span 65 MHz

5.9 MAXIMUM PEAK OUTPUT POWER

5.9.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

Note:

1. Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter peak output power.

5.9.2 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.

5.9.3 TEST PROCEDURE

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

5.9.4 TEST SETUP

5.9.5 EUT OPERATING CONDITIONS

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

5.9.6 TEST RESULTS

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	24deg.C, 64%RH, 969 hPa
TEST MODE	Normal	TEST BY	Hank Chung

Antenna 1 (Gain: 3.5dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	19.72	30	PASS
11	5785	20.11	30	PASS
13	5825	18.60	30	PASS

Antenna 2(Gain: 3.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	21.53	30	PASS
11	5785	20.86	30	PASS
13	5825	18.37	30	PASS

Antenna 3(Gain: 4.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	20.01	30	PASS
11	5785	20.27	30	PASS
13	5825	19.80	30	PASS

Antenna 4(Gain: 13.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	21.04	30	PASS
11	5785	20.92	30	PASS
13	5825	20.81	30	PASS

Antenna 5(Gain: 17.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	20.52	30	PASS
11	5785	20.60	30	PASS
13	5825	20.38	30	PASS

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

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	20.70	30	PASS
11	5785	20.75	30	PASS
13	5825	22.53	30	PASS

Antenna 7+ 4dB Pad (Gain: 29.4dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
9	5745	20.25	30	PASS
11	5785	20.11	30	PASS
13	5825	18.10	30	PASS

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	24deg.C, 64%RH, 969 hPa
TEST MODE	Turbo	TEST BY	Hank Chung

Antenna 1(Gain: 3.5dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	20.02	30	PASS
5	5800	20.31	30	PASS

Antenna 2(Gain: 3.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	22.27	30	PASS
5	5800	21.24	30	PASS

Antenna 3(Gain: 4.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	20.08	30	PASS
5	5800	20.40	30	PASS

EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	24deg.C, 64%RH, 969 hPa
TEST MODE	Turbo	TEST BY	Hank Chung

Antenna 4(Gain: 13.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	21.04	30	PASS
5	5800	20.70	30	PASS

Antenna 5(Gain: 17.0dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	20.13	30	PASS
5	5800	20.00	30	PASS

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

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	22.47	30	PASS
5	5800	22.33	30	PASS

Antenna 7+ 4dB Pad (Gain: 29.4dBi)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
4	5760	11.20	30	PASS
5	5800	12.98	30	PASS

5.10 POWER SPECTRAL DENSITY

5.10.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

5.10.2 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.

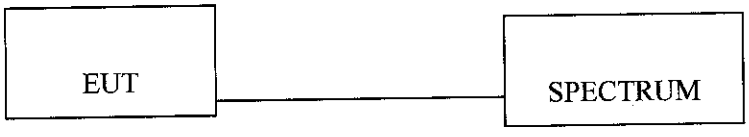
5.10.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3 kHz RBW and 30 kHz VBW, set sweep time = span/3 kHz. The power spectral density was measured and recorded.
The sweep time is allowed to be longer than span/3 kHz for a full response of the mixer in the spectrum analyzer.

5.10.4 DEVIATION FROM TEST STANDARD

No deviation

5.10.5 TEST SETUP



5.10.6 EUT OPERATING CONDITION

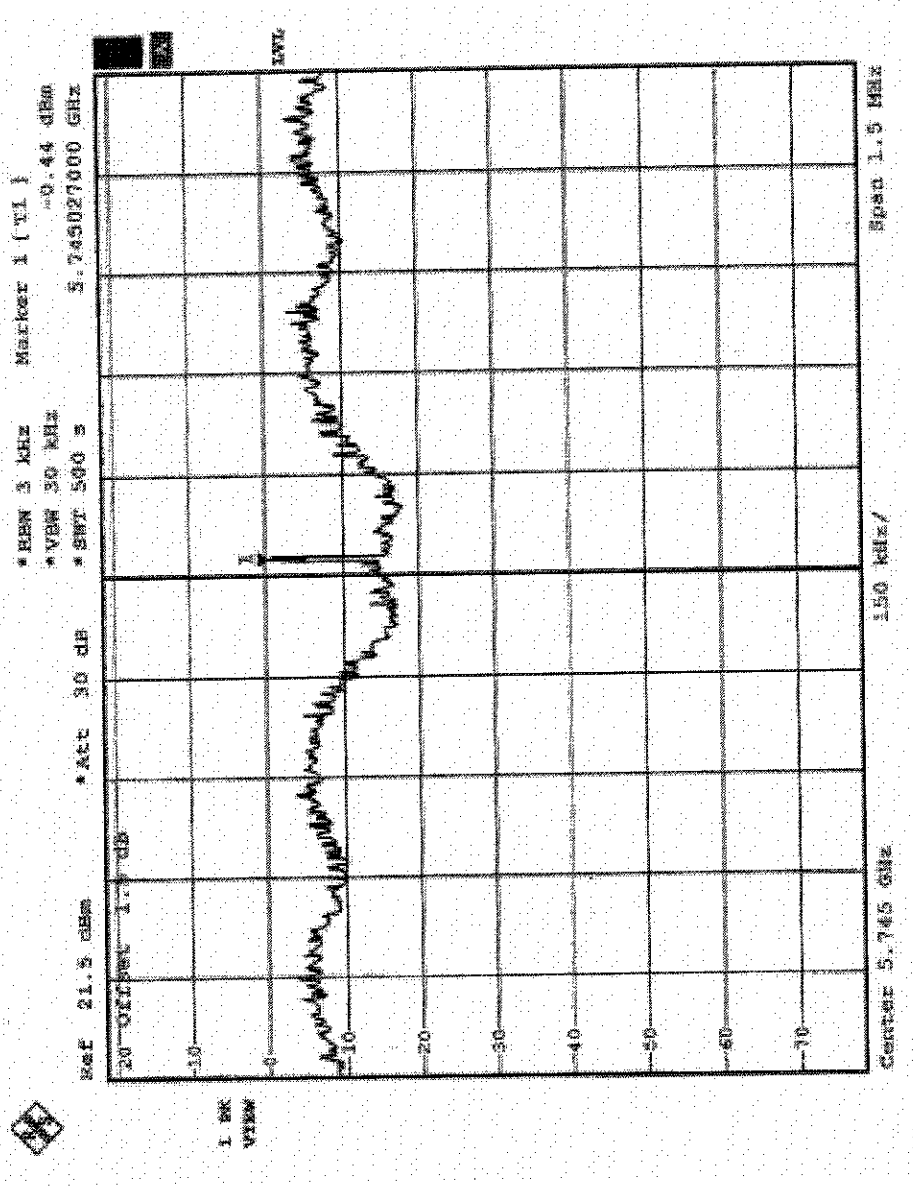
Same as Item 4.3.6

5.10.7 TEST RESULTS

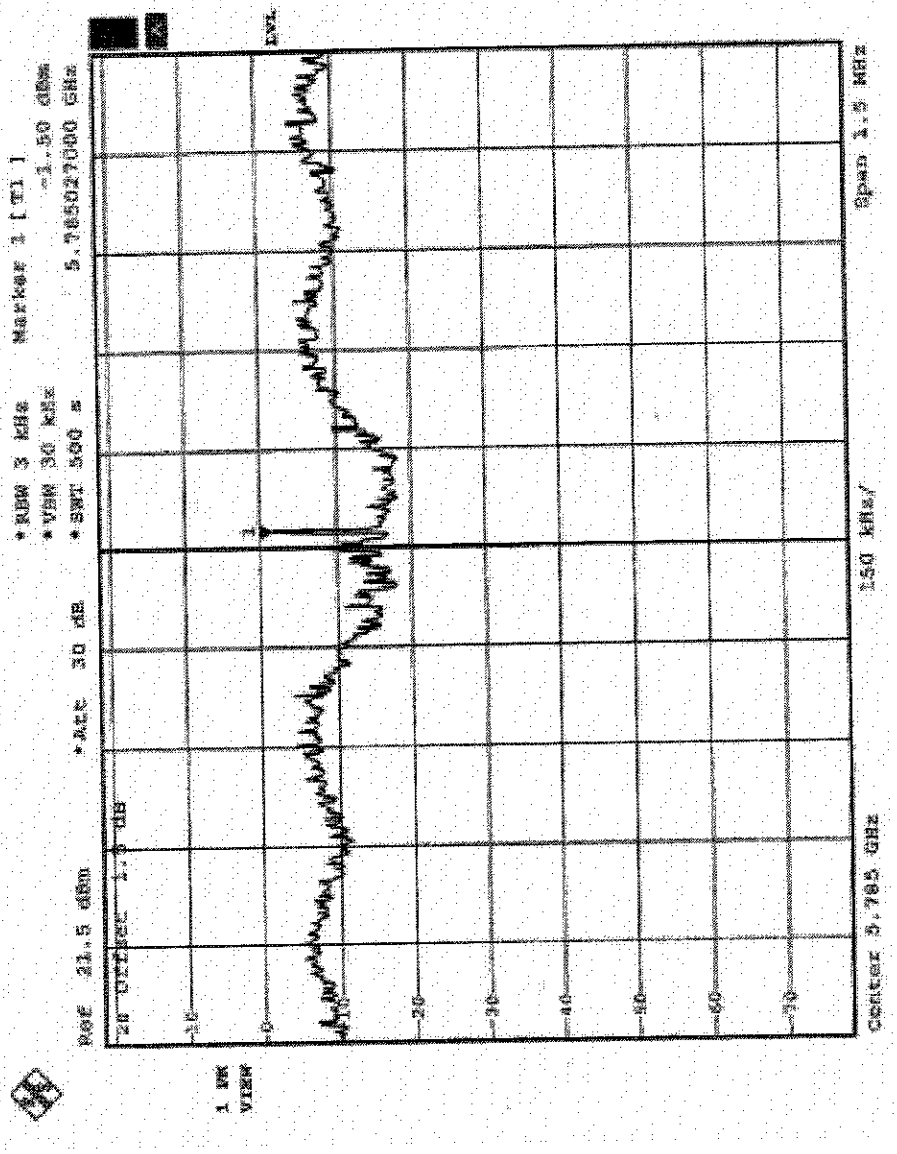
EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	57deg. C, 56%RH, 969 hPa
TEST MODE	Normal	TEST BY	Eric Lee

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
9	5745	-0.44	8	PASS
11	5785	-1.50	8	PASS
13	5825	-2.19	8	PASS

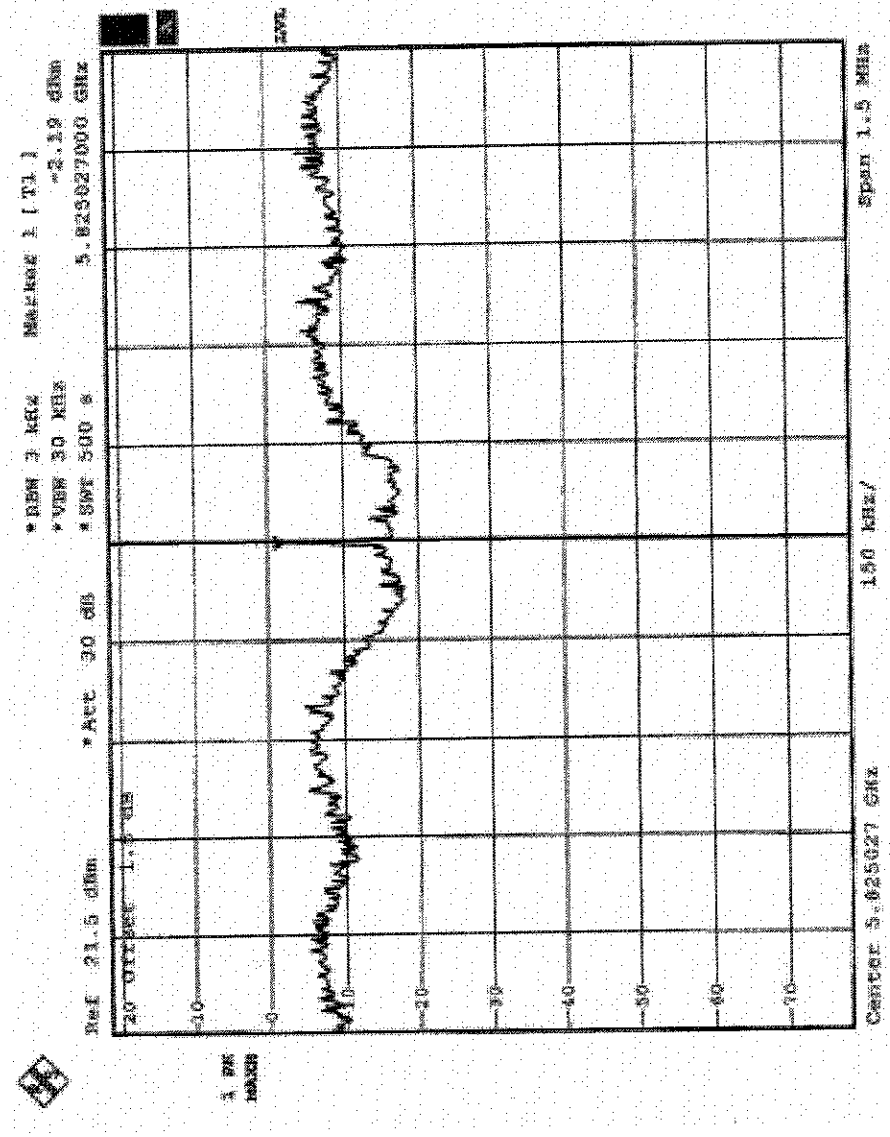
CH9


Ref 21.5 dBm
Att 30 dB
Center 5.745 GHz
150 kHz/
Span 1.5 MHz
#RBW 3 kHz
#VBW 30 kHz
#SWT 500 s
Marker 1 [T1]
-0.44 dBm
5.749027000 GHz
1 RM
Write

CH11


Ref 21.5 dBm
10 dB/
Att 30 dB
SWT 500 s
VBW 30 kHz
RBW 3 kHz
Marker 1 [T1]
-1.50 dBm
5.785027000 GHz
Center 5.785 GHz
150 kHz/
Span 1.5 MHz
1 MK
VIEW

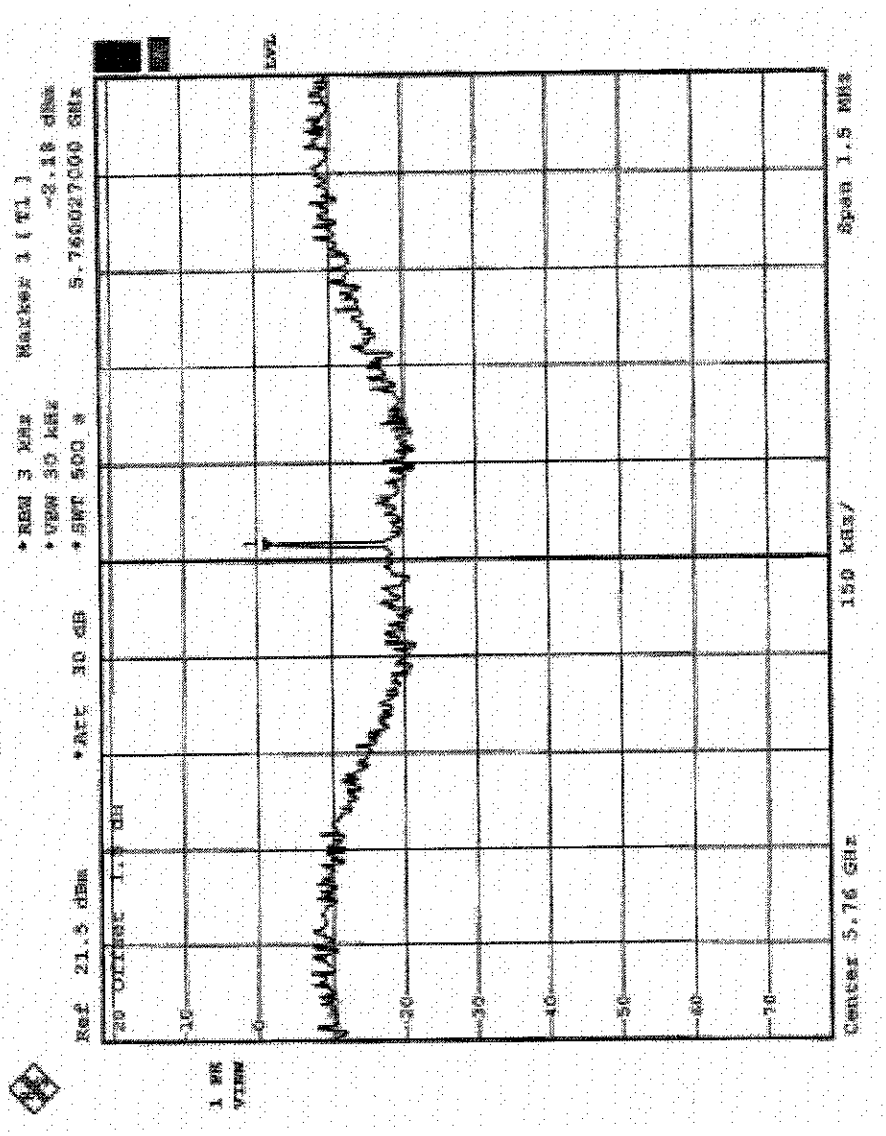
CH13


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-2.19 dBm
5.829027000 GHz
Ref 21.5 dBm
Att 30 dB
Offset 1.7 dB
Center 5.825027 GHz
150 kHz/
Span 1.5 MHz

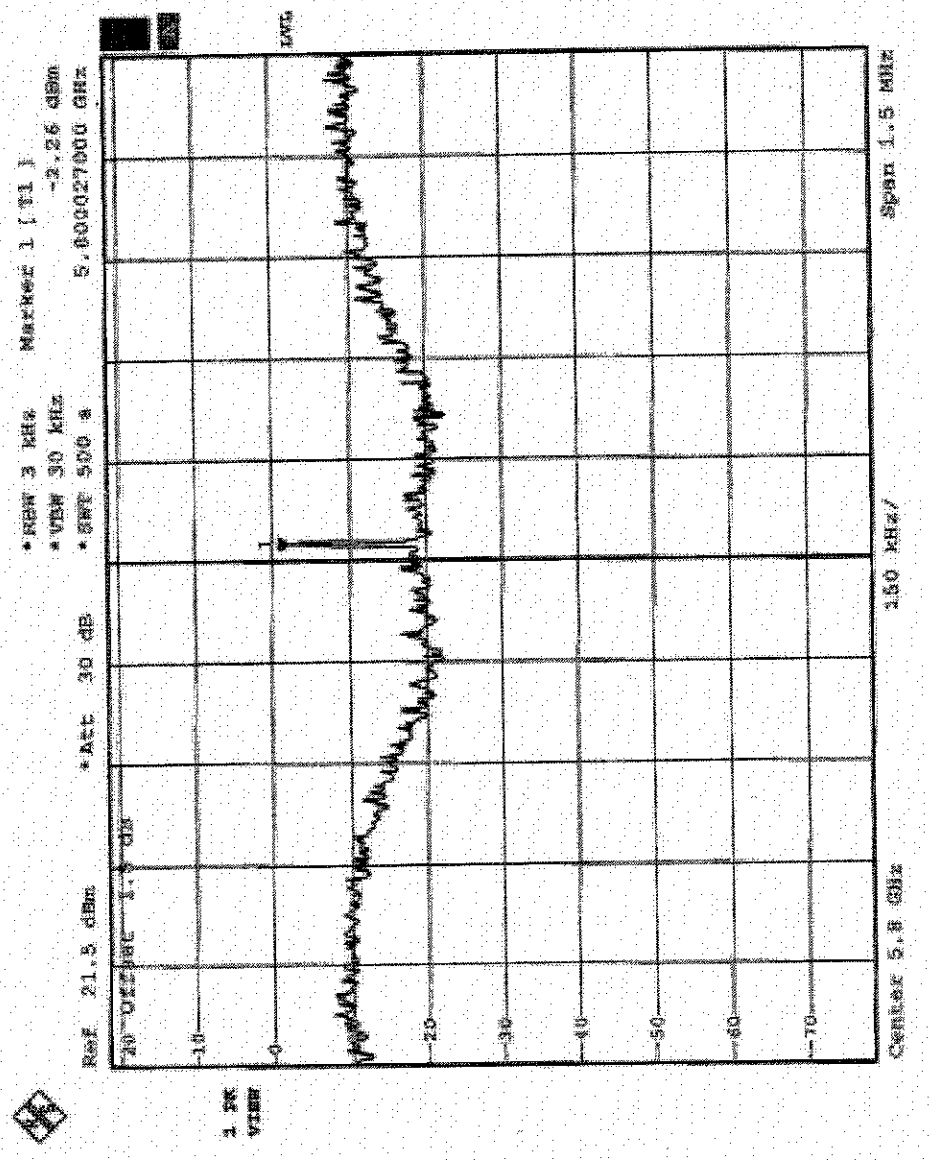
EUT	Flanker Pro Single Radio AP	MODEL	AP-AG-AT-01
INPUT POWER (SYSTEM)	120Vac, 60Hz	ENVIRONMENTAL CONDITIONS	57deg. C, 56%RH, 969 hPa
TEST MODE	Turbo	TEST BY	Eric Lee

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
4	5760	-2.18	8	PASS
5	5800	-2.26	8	PASS

CH4


RBW 3 kHz
VBW 30 kHz
SWT 500 ms
Marker 1 [T1]
-2.18 dBm
5.760027000 GHz
Ref 21.5 dBm
Att 30 dB
Center 5.76 GHz
150 kHz/
Span 1.5 MHz

CH5


Ref 21.5 dBm
Offset 1.4 dB
*Att 30 dB
*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-2.26 dBm
5.800027000 GHz
Center 5.8 GHz
150 kHz/
Span 1.5 MHz

5.11 BAND EDGES MEASUREMENT

5.11.1 LIMITS OF BAND EDGES MEASUREMENT

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

5.11.2 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.

5.11.3 TEST PROCEDURE

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

5.11.4 DEVIATION FROM TEST STANDARD

No deviation

5.11.5 EUT OPERATING CONDITION

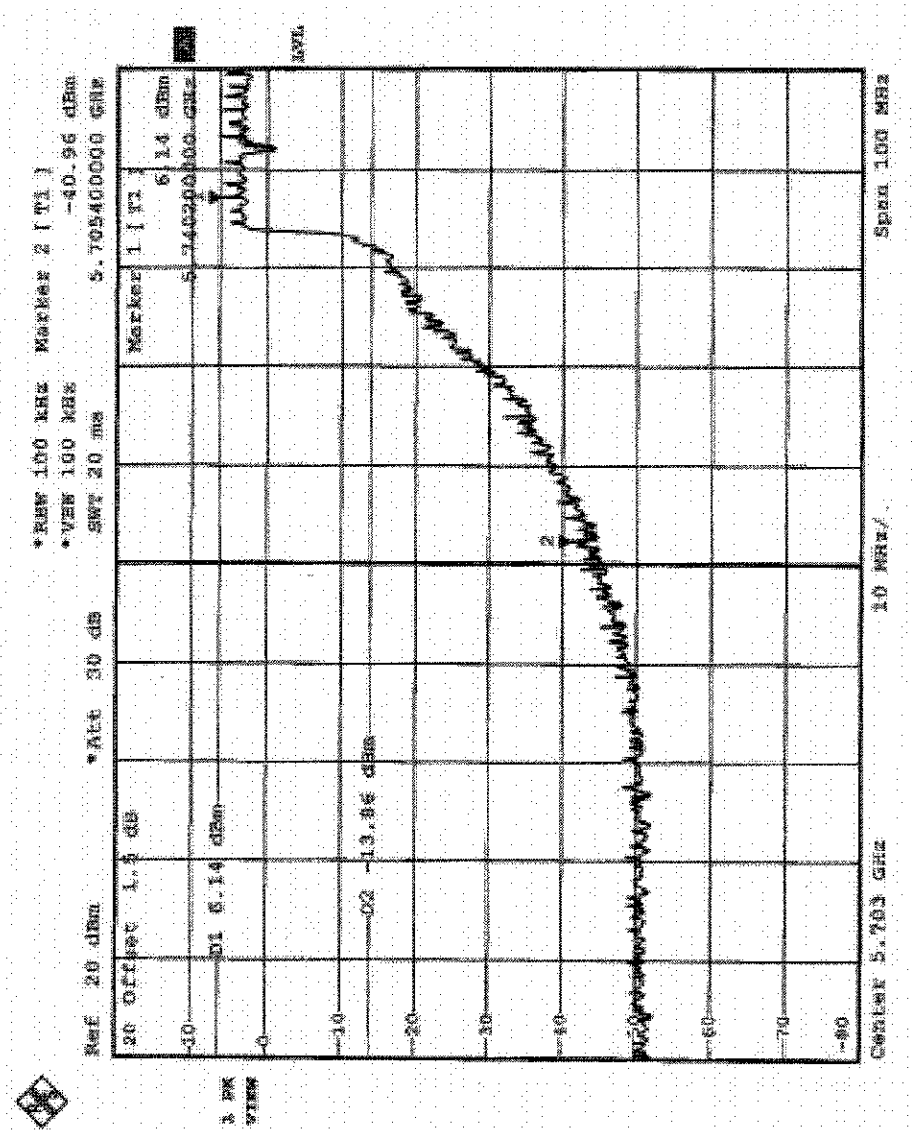
Same as Item 4.3.6

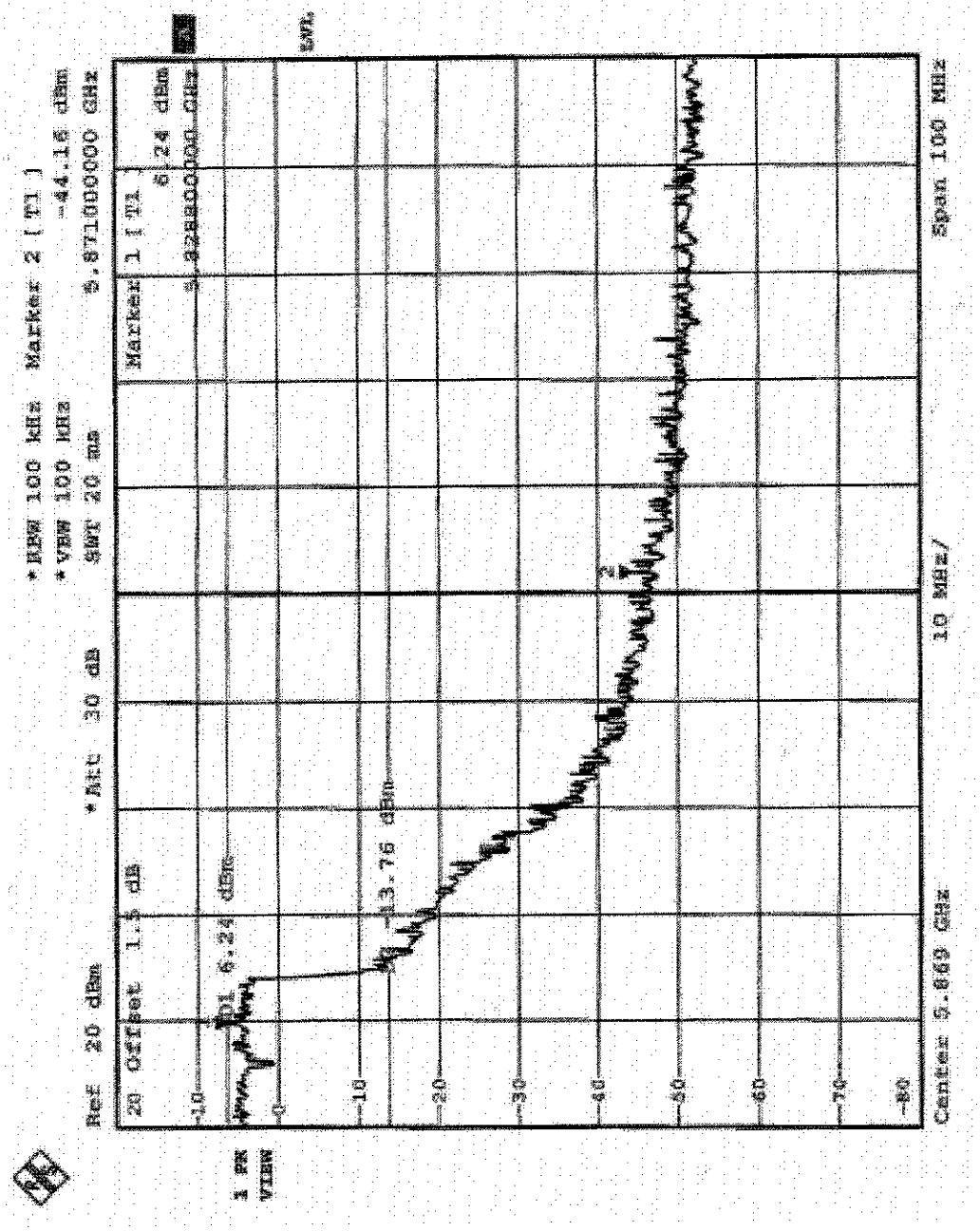
5.11.6 TEST RESULTS

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

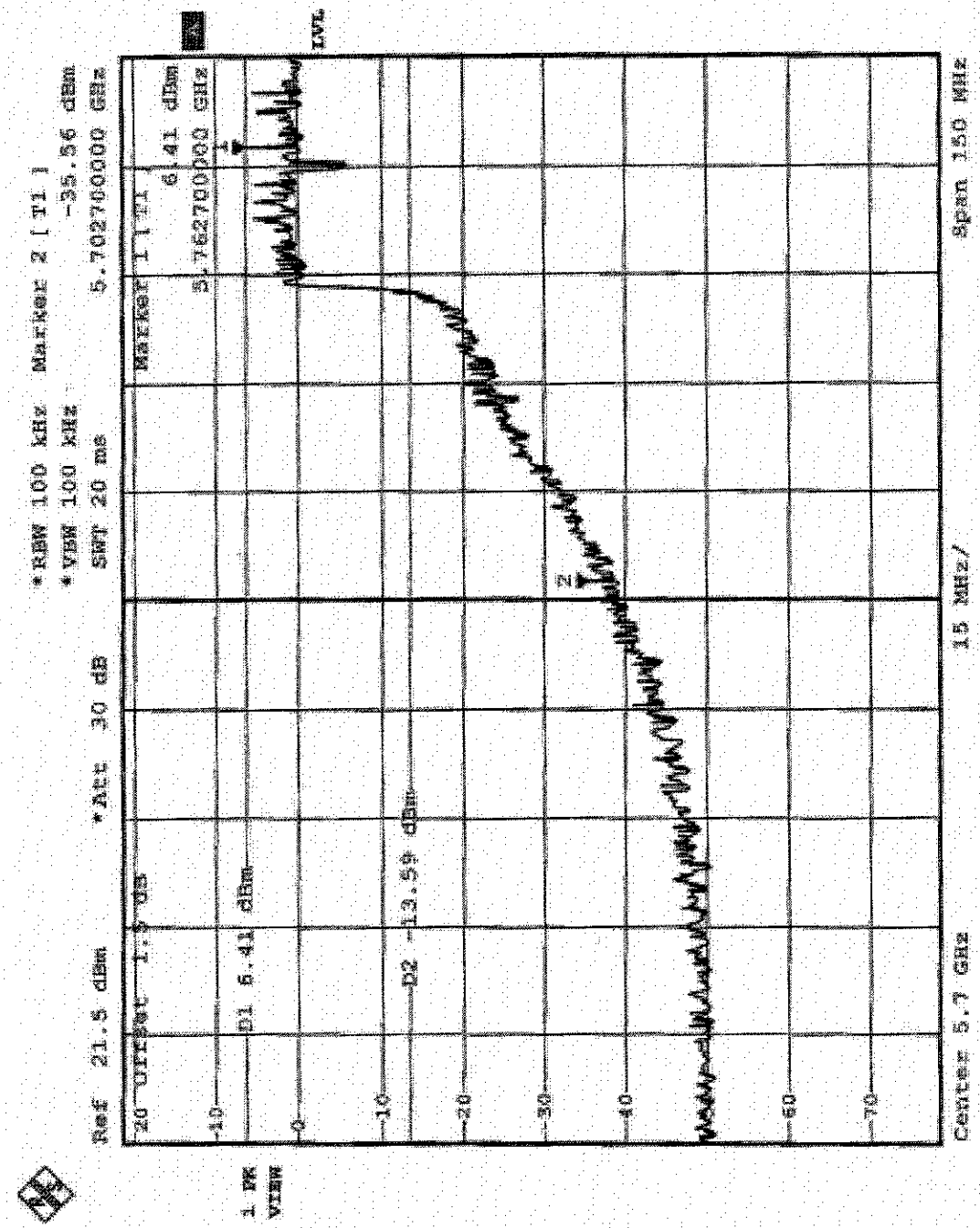
Antenna 1

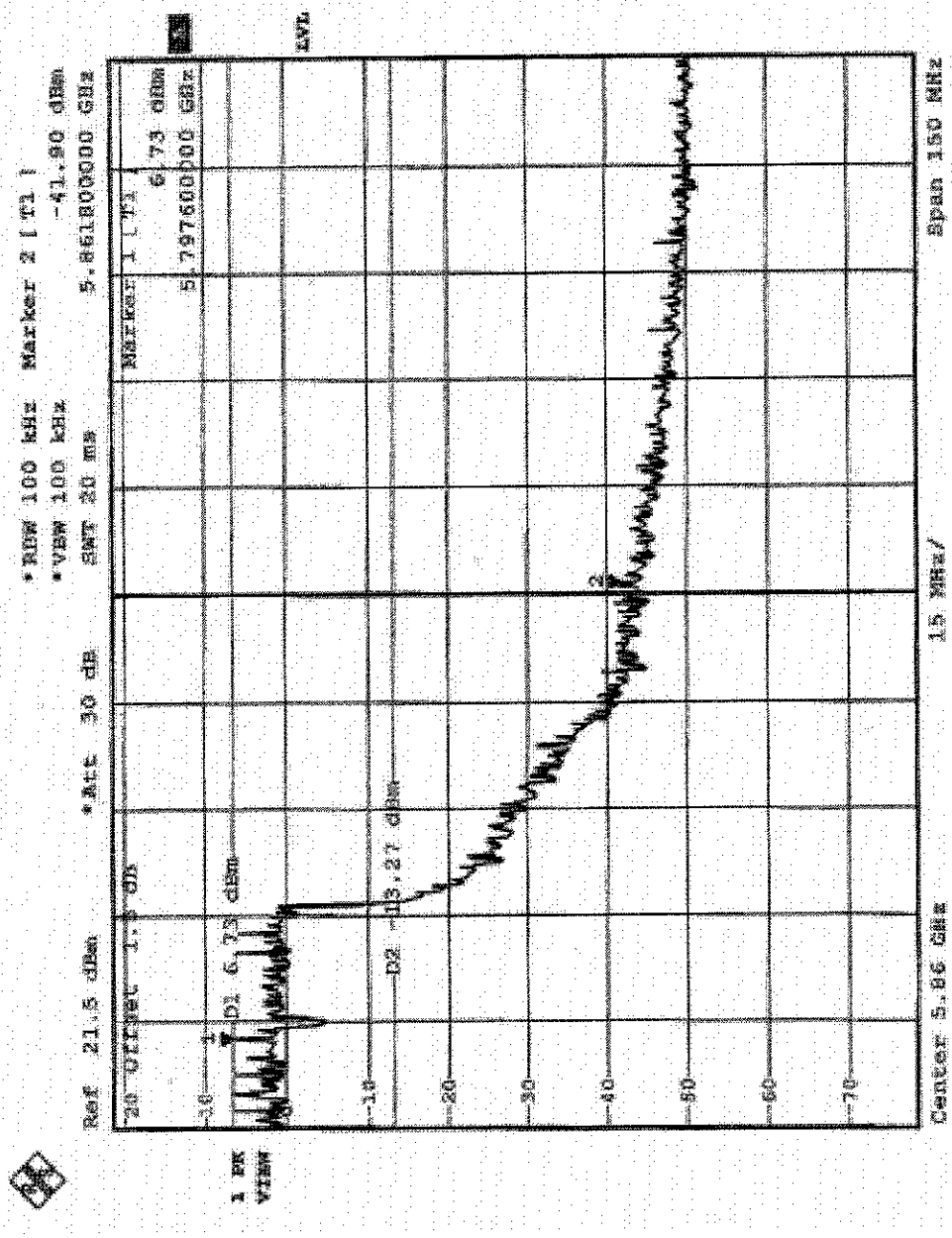
Normal Mode




*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 2 [T1]
-44.16 dBm
5.871000000 GHz
Marker 1 [T1]
6.24 dBm
5.822000000 GHz
Ref 20 dBm
Offset 1.5 dB
*Att 30 dB
D1 6.24 dBm
-13.76 dBm
1 PK
VIEW
Center 5.869 GHz
10 MHz/
Span 100 MHz

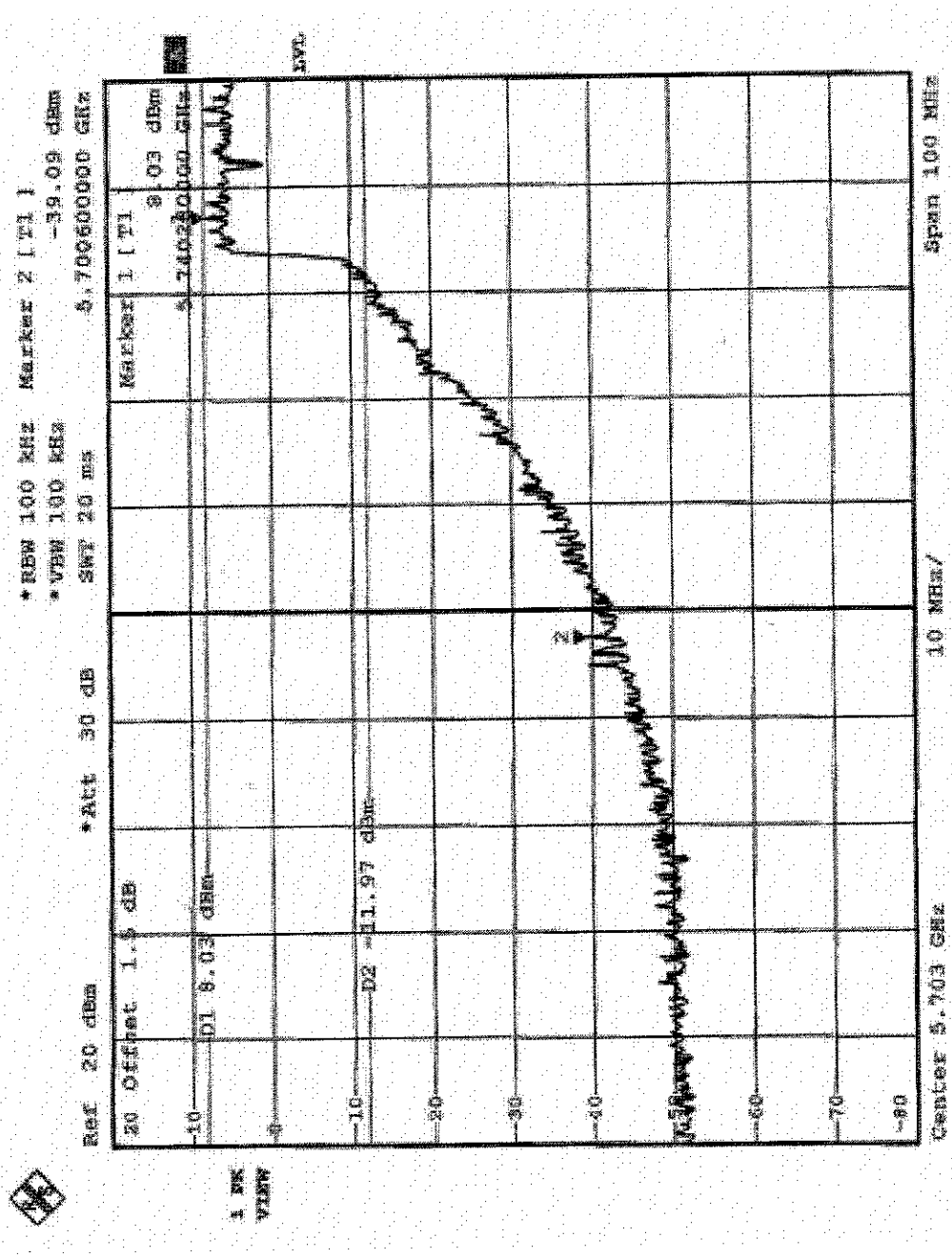
Turbo Mode

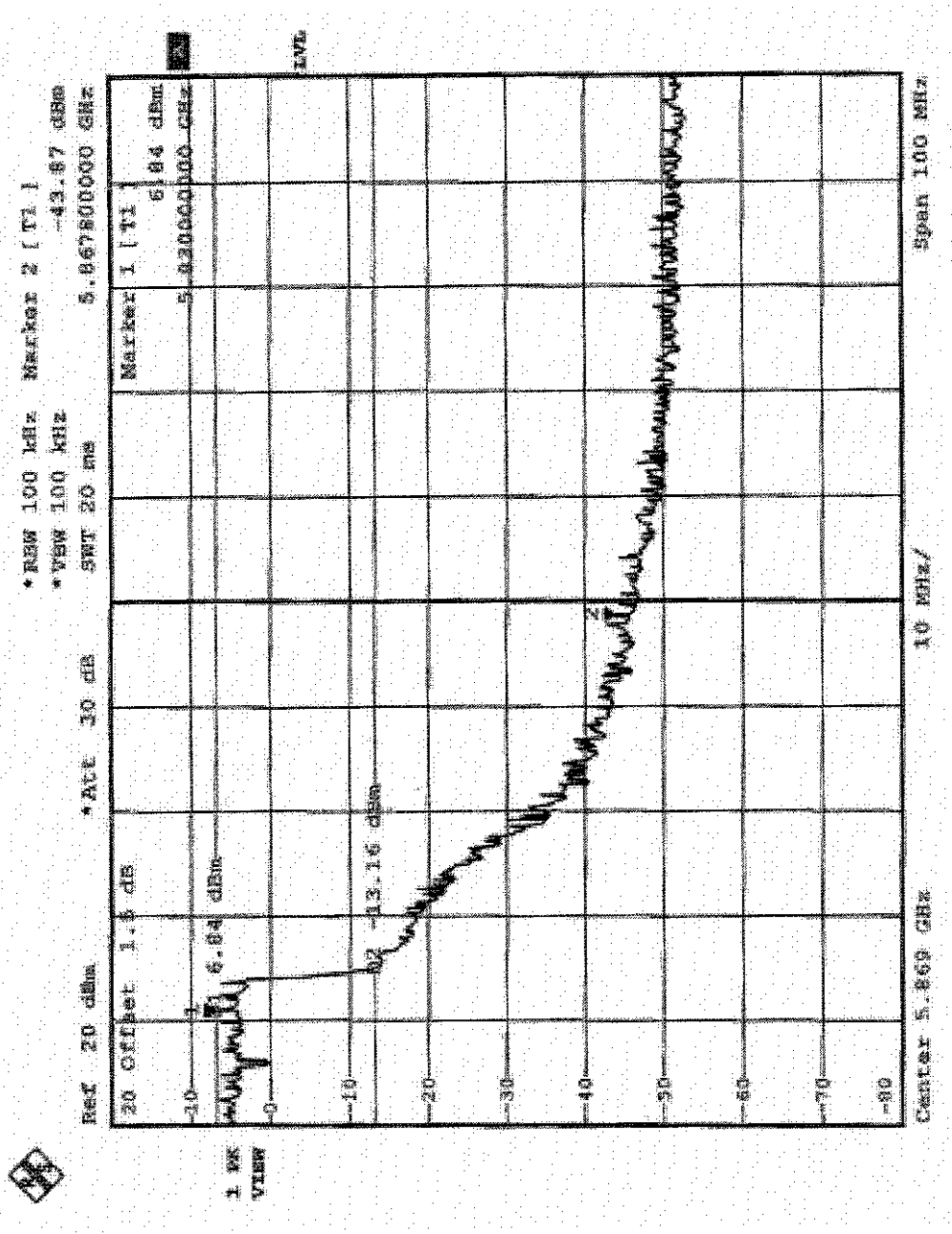

Ref 21.5 dBm
*Att 30 dB
SWT 20 ms
*RBW 100 kHz
*VBW 100 kHz
Marker 2 [T1]
-35.56 dBm
5.702700000 GHz
Marker 1 [T1]
6.41 dBm
5.762700000 GHz
D1 6.41 dBm
D2 -13.59 dBm
Center 5.7 GHz
15 MHz/
Span 150 MHz
1 PK
VIEW


*RBW 100 kHz
Marker 2 [T1]
-41.90 dBm
*VBW 100 kHz
5.861800000 GHz
Ref 21.5 dBm
*Att 30 dB
SWT 20 ms
Marker 1 [T2]
6.73 dBm
5.797600000 GHz
Offset 1.4 dB
D2 -13.27 dBm
D2 6.73 dBm
Center 5.86 GHz
15 MHz/
Span 150 MHz

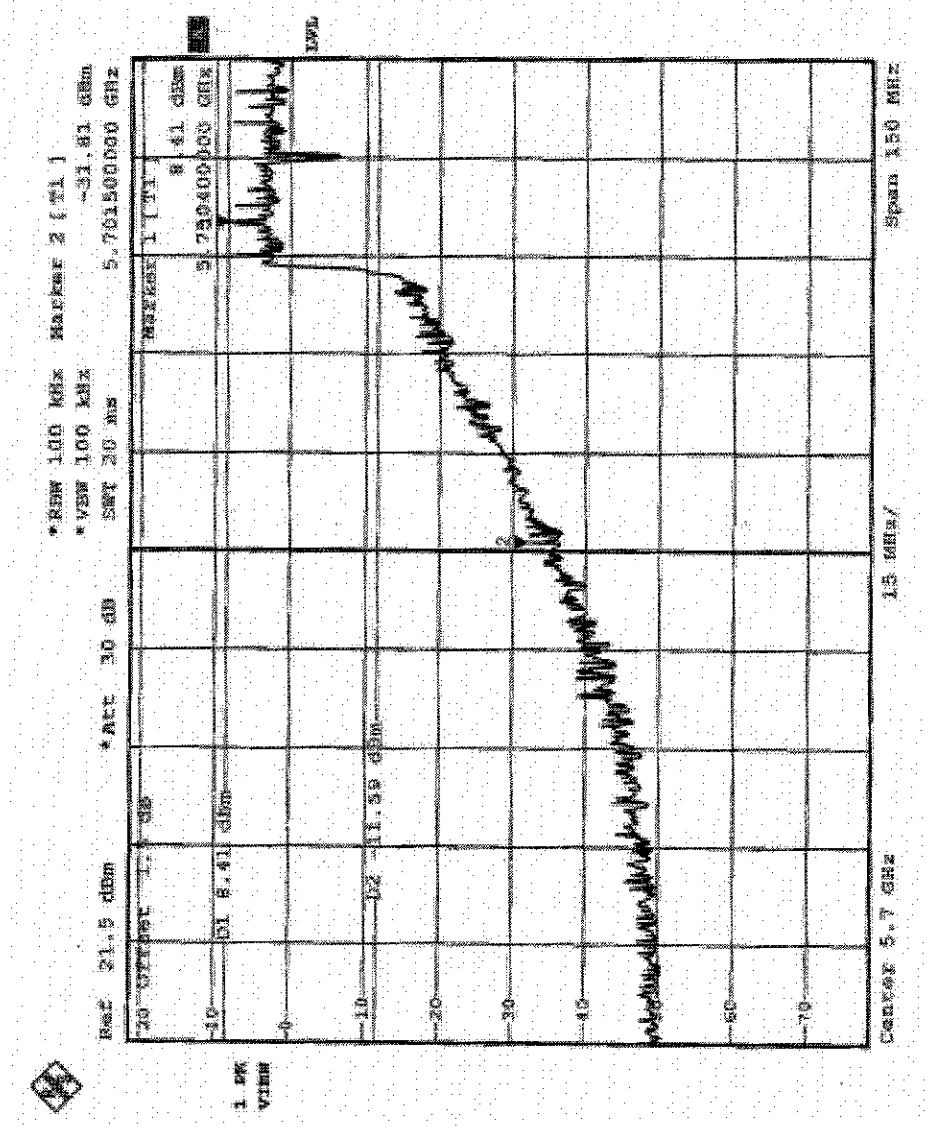
Antenna 2

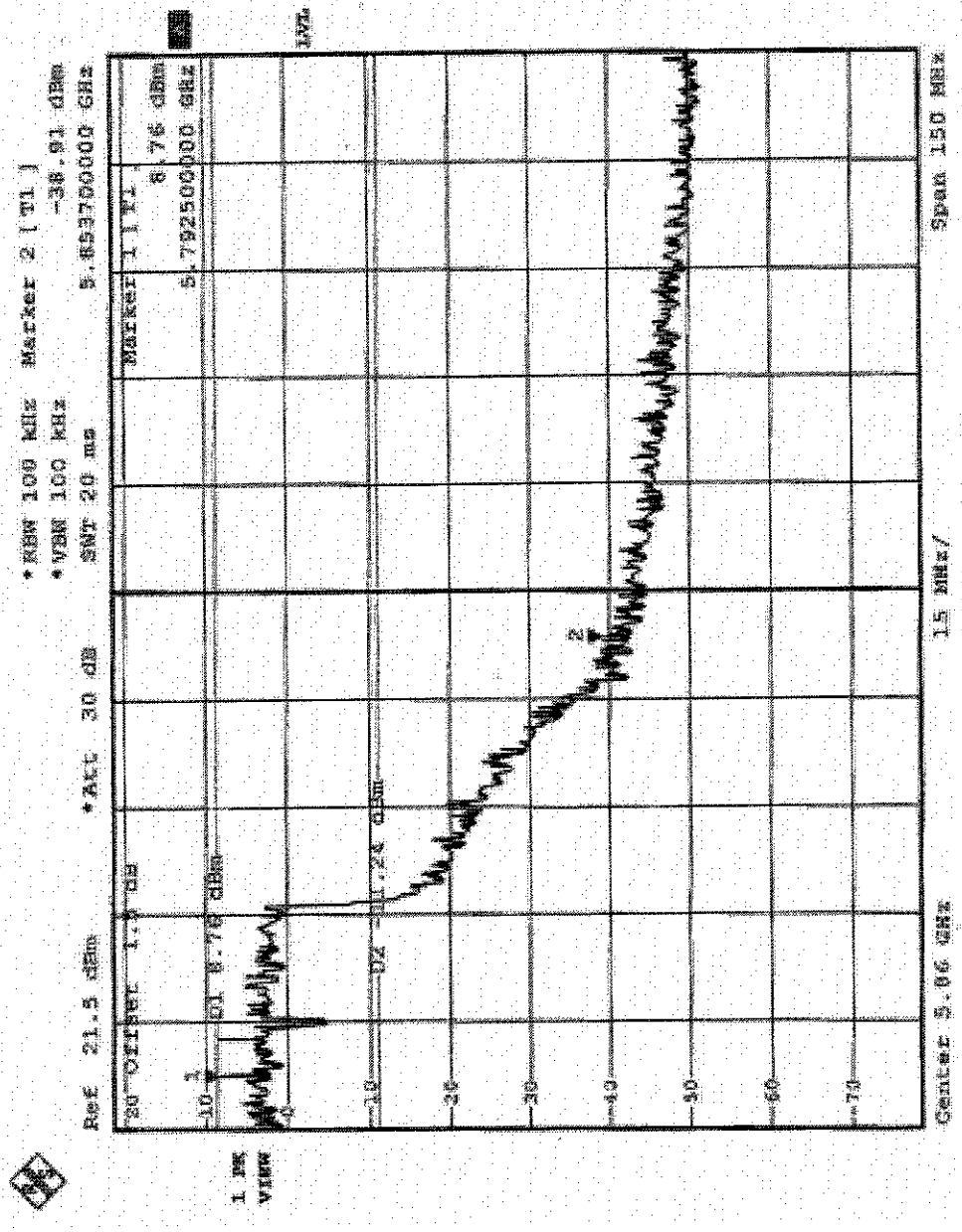
Normal Mode




Ref 20 dBm
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 2 [T1]
-43.67 dBm
5.867800000 GHz
Marker 1 [T1]
6.84 dBm
5.830000000 GHz
20 Offset 1.5 dB
6.84 dBm
-13.16 dBm
1 VIEW
2VIEW
Center 5.860 GHz
10 MHz/
Span 100 MHz

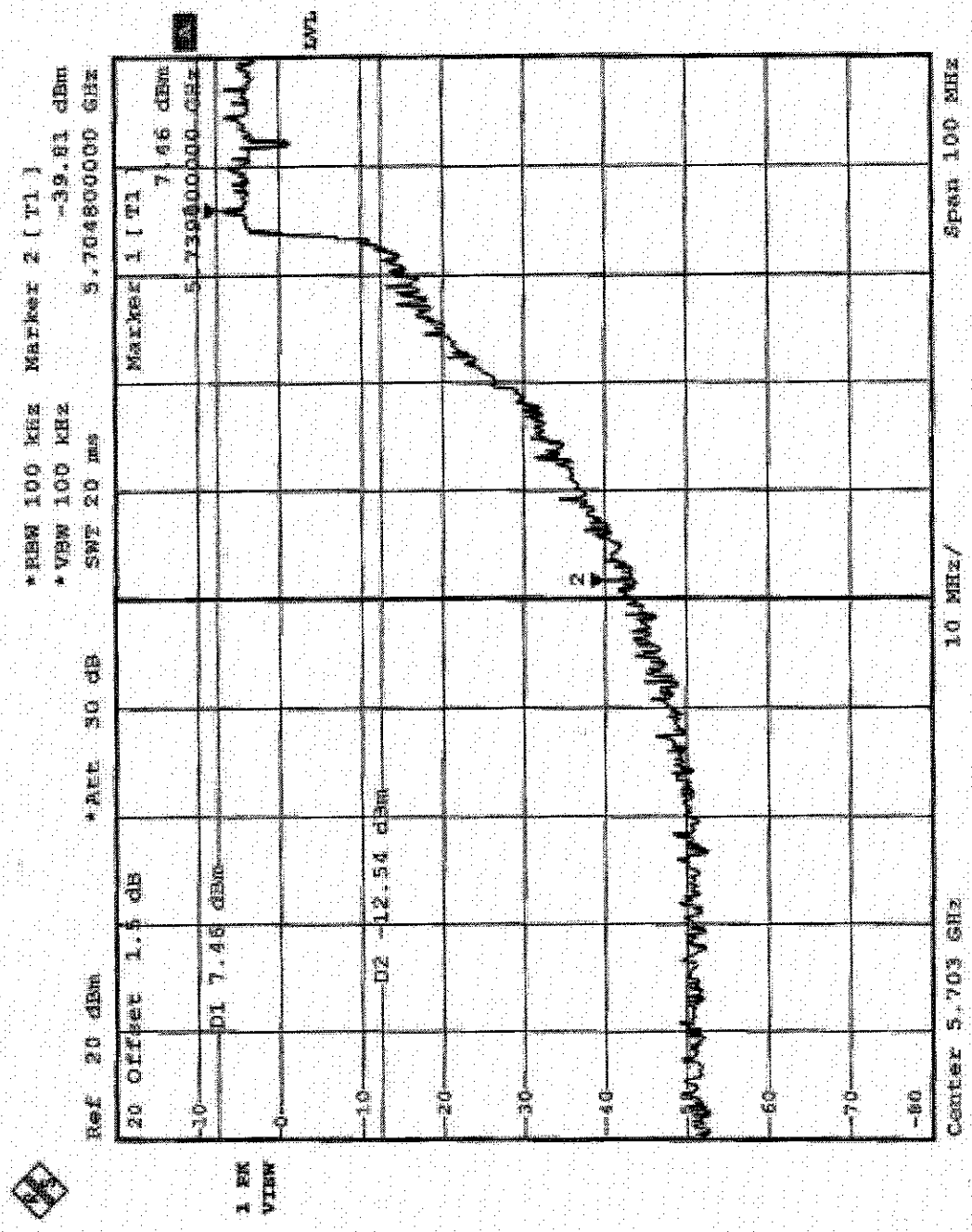
Turbo Mode

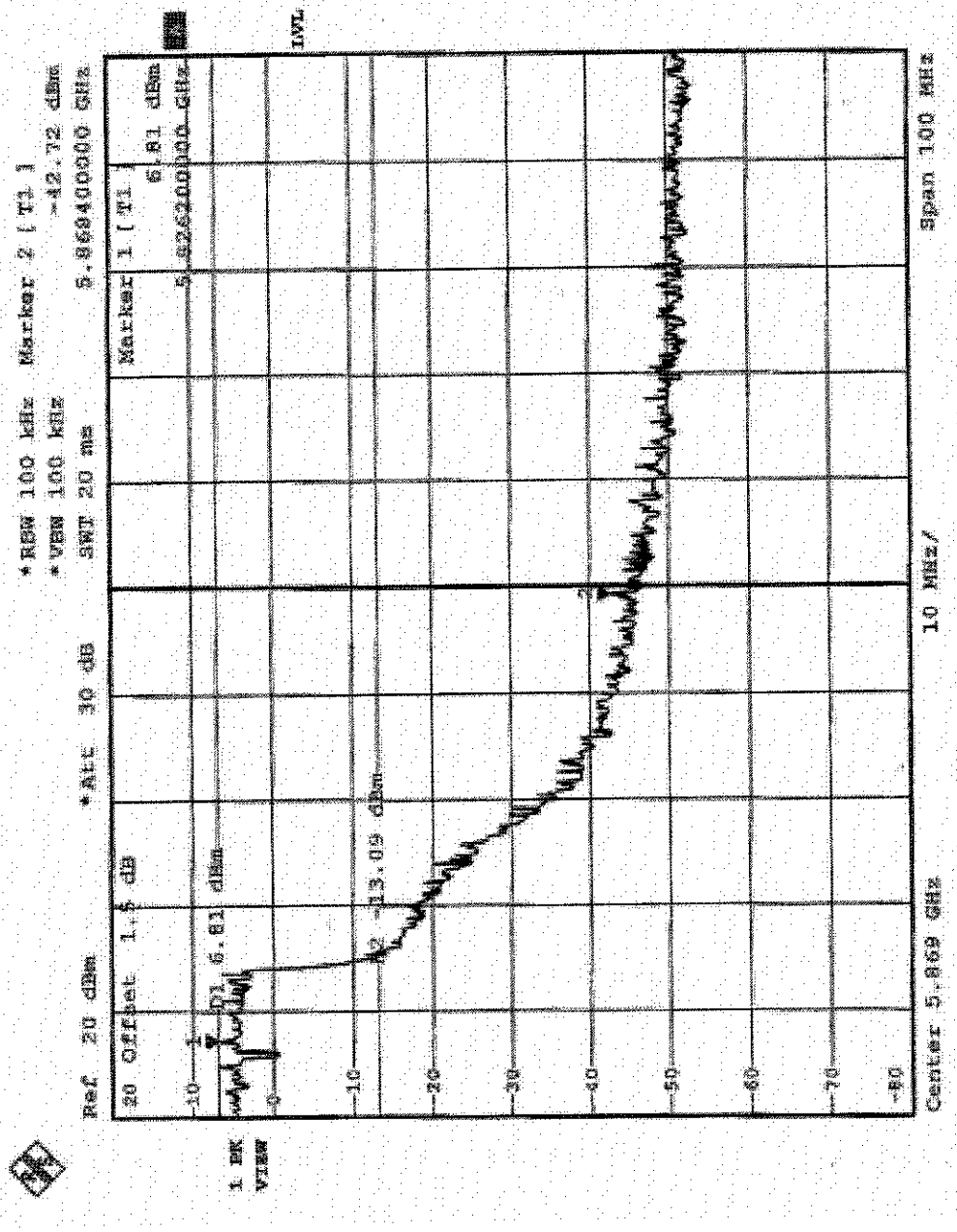

Ref 21.5 dBm
#Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 2 [T1]
-31.81 dBm
5.701500000 GHz
Marker 1 [T1]
8.41 dBm
5.730400000 GHz
D1 8.41 dBm
D2 -11.59 dBm
Center 5.7 GHz
15 MHz/
Span 150 MHz
1 PK
VIEW


Ref 21.5 dBm
Offset 1.4 dB
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 1 [T1]
-38.91 dBm
5.65375000 GHz
Marker 1 [T1]
8.76 dBm
5.79250000 GHz
D1 8.76 dBm
D2 -11.24 dBm
Center 5.86 GHz
15 MHz/
Span 150 MHz
1 PK
VIEW

Antenna 3

Normal Mode




Ref 20 dBm
Att 30 dB
SWT 20 ms
RBW 100 kHz
VBW 100 kHz
Marker 2 [T1]
-42.72 dBm
5.869400000 GHz
Marker 1 [T1]
6.81 dBm
5.826200000 GHz
Offset 1.5 dB
1 PK VIEW
D1 6.81 dBm
D2 -13.09 dBm
Center 5.869 GHz
10 MHz/
Span 100 MHz