

FCC TEST REPORT

CATEGORY : Module for Professional Use Mobile Host
PRODUCT NAME : 802.11a/g Workgroup Bridge
FCC ID. : O9C-WL560
FILING TYPE : Certification
BRAND NAME : 3COM
MODEL NAME : WL-560

APPLICANT : **3Com Corporation**
5500 Great America Pkwy Santa Clara, CA. 95052 USA

MANUFACTURER : **DONGGUAN G-COM COMPUTER CO., LTD.**
1st Row Yin Shan Rd., Yin Hwu Industrial Area, Qingxi Town,
Dong Guan City, Guang Dong, China

ISSUED BY : **SPORTON INTERNATIONAL INC.**
6F, No. 106, Sec. 1, Hsin Tai Wu Rd., His Chih, Taipei Hsien,
Taiwan, R.O.C.

Statements:

Only the test result of 802.11a part is shown in this test report.

The test result in this report refers exclusively to the presented test model / sample.

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Certificate or Test Report could not be used by the applicant to claim the product endorsement by CNLA, NVLAP or any agency of U.S. government.

The test equipment used to perform the test are calibrated and traceable to NML/ROC or NIST/USA.



Dr. Alan Lane
Vice General Manager
Sporton International Inc.



Lab Code: 200079-0



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1. General Description of Equipment under Test

1.1. Applicant

3Com Corporation
5500 Great America Pkwy Santa Clara, CA. 95052 USA

1.2. Manufacturer

DONGGUAN G-COM COMPUTER CO., LTD.
1st Row Yin Shan Rd., Yin Hwu Industrial Area, Qingxi Town, Dong Guan City, Guang Dong, China

1.3. Basic Description of Equipment under Test

This product is a module of Wireless Access Point / Ethernet Bridge with 802.11a/b/g wireless solution. The technical data has been listed on section "Features of Equipment under Test".

1.4. Features of Equipment under Test

ITEMS	DESCRIPTION
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
Number of Channels	Normal Mode (12), Turbo Mode (5)
Frequency Band	5180 ~ 5240MHz, 5260 ~ 5320MHz 5745 ~ 5805MHz
Carrier Frequency	Please reference table below.
Channel Bandwidth	Normal Mode (39MHz), Turbo Mode (58MHz)
RF Conducted Output Power	Normal : 23.65 dBm Turbo : 16.80 dBm
Function Type	Transceiver
Power Rating (DC/AC, Voltage)	5 VDC from 90~240VAC power adapter
Temperature Range (Operating)	0 ~ 55°C

Note: Only the test result of 802.11a part is shown in this test report.



1.5. Antenna Description

3 types of antenna are filed in this project.

No.	Antenna Type	Gain (dBi)
1	Printed Monopole (GEM-220838-W 1500)	2.5dBi @2.4GHz 5.0dBi @5.0GHz
2	Monopole (Rubber duck antenna)	5.15dBi @2.4GHz 4.38dBi @5.0GHz
3	Chip Antenna	1.58dBi @2.4GHz 3.53dBi @5.0GHz

Note: This EUT is for professional use. The installation of this EUT will be handled by technical people with special skill, not the normal end users. If antenna 1 or antenna 2 is used in installation, then the operation on the frequency band, 5.15~5.25GHz, will be turned off by software.



1.6. Table for Carrier Frequencies

Normal Mode

Channel	Frequency	Channel	Frequency
1	5180 MHz	9	5745 MHz
2	5200 MHz	10	5765 MHz
3	5220 MHz	11	5785 MHz
4	5240 MHz	12	5805 MHz
5	5260 MHz	13	
6	5280 MHz	14	
7	5300 MHz	15	
8	5320 MHz	16	

Turbo Mode

Channel	Frequency
1	5210 MHz
2	5250 MHz
3	5290 MHz
4	5760 MHz
5	5800 MHz



2. Test Configuration of the Equipment under Test

2.1. Description of the Test

- a. During testing, the equipment was placed on a non-conducting support.
- b. The following test modes were performed:
 - Mode 1 : Ant. 1 (GEM-220838-W 1500)
 - Mode 2 : Ant. 2 (Rubber duck antenna)
 - Mode 3 : Ant. 3 (Internal antenna)
- c. Spurious emission below 1GHz is independent of channel selection, so only normal mode channel 12 was tested.
- d. The EUT has been programmed to continuously transmit or receive during testing. The used peripherals as well as the configuration fulfill the requirements of ANSI C63.4:2001.
- e. The configuration is operated in a manner which tends to maximize its emission characteristics in a typical application.

2.2. Frequency Range Investigated

- a. Conducted power line test: from 150 kHz to 30 MHz
- b. Radiated emission test: from 30 MHz to 40,000 MHz

2.3. Description of Test Supporting Units

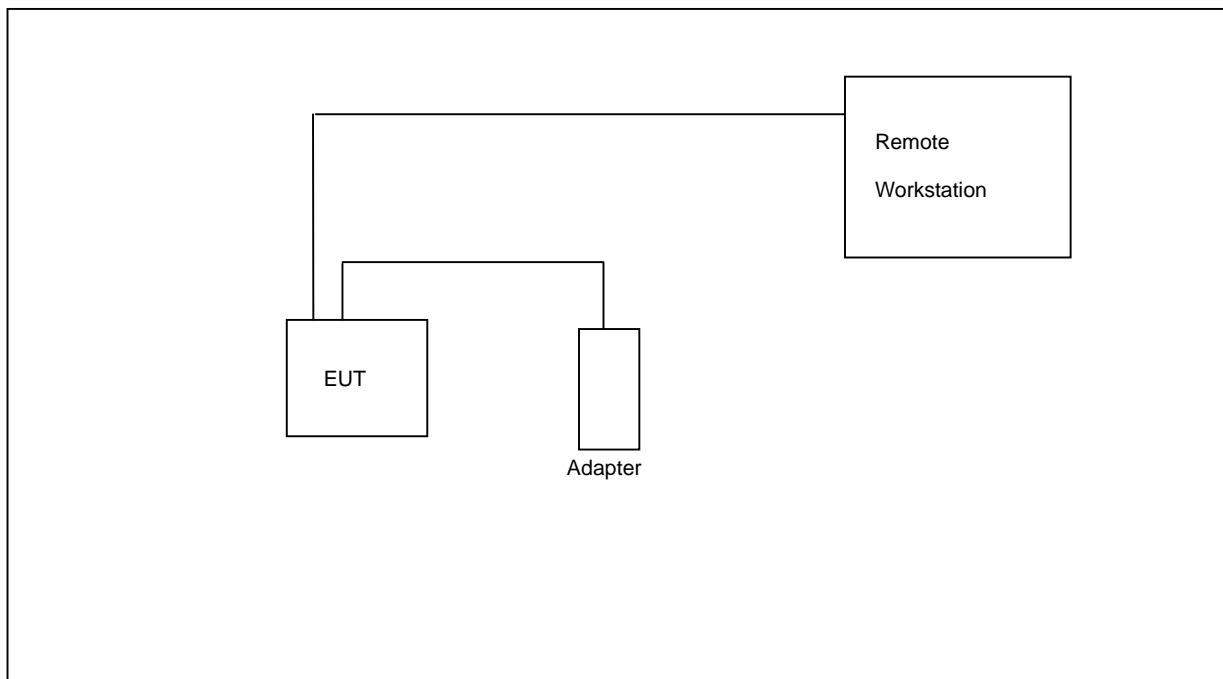
Support Unit 1. – Notebook (NEC) – for remote workstation

FCC ID : N/A
Model No. : VERSA VX
Serial No. : SP0034
Remark : This support device was tested to comply with FCC standards and authorized under Declaration of Conformity.

Support Unit 2. – Notebook (Dell) – for remote workstation

FCC ID : N/A
Model No. : D505
Serial No. : SP0035
Remark : This support device was tested to comply with FCC standards and authorized under Declaration of Conformity.

2.4. Connection Diagram of Test System





2.5. Test Software

There are 2 softwares installed in the remote station (notebook) can be used in the testing.

- a. Channel & Power Controlling Software: This was provided by the manufacturer and is able to let the test engineer select the operating channel as well as the RF output power. The parameters for channel selection is trying to offer the test engineer the ability to fix the operating channel for testing, both normal data and continuously transmitting modes are allowed, and that for RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.
- b. "H" Pattern Generator: Except Access Point, the supporting equipment such as monitor or printer is always available. Under testing, these supporting equipment has to also under working condition. "H" Pattern Generator is able to continuously transmitting "H" character to those supporting equipments.



3. Test Location and Standards

3.1. Test Location

Test Location : Sporton Hwa Ya Testing Building

Address : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
Tel: +886 3 327 3456 Fax: +886 3 318 0055

Test Site No. : CO04-HY, 03CH03-HY

3.2. Test Conditions

Normal Voltage : 120V/60Hz

Extreme Voltage : 138V and 102V

Normal Temperature : 20 °C

Extreme Temperature : -20 °C and 50 °C

3.3. Standards for Methods of Measurement

Here is the list of the standards followed in this test report.

ANSI C63.4-2001
47 CFR Part 15 Subpart C (Section 15.407)

3.4. DoC Statement

This EUT is also classified as a device of computer peripheral Class B which DoC has to be followed. It has been verified according to the rule of 47 CFR part 15 Subpart B, and found that all the requirements has been fulfilled.



4. List of Measurements

4.1. Summary of the Test Results

Applied Standard: 47 CFR Part 15 and Part 2			
Paragraph	FCC Rule	Description of Test	Result
5.1	15.407(a)	26dB Bandwidth	Pass
5.2	15.407(a)	Maximum Peak Transmit Power	Pass
5.3	15.407(a)	Peak Power Spectral Density	Pass
5.4	15.407(a)	The Ratio of the Peak Excursion	Pass
5.5	15.407(b)	Band Edges of the Operation Frequency	Pass
5.6	15.209/15.407(b)	Spurious Radiated Emission	Pass
5.7	15.407(g)	Frequency Stability	Pass
5.8	15.107/15.207	AC Power Line Conducted Emission	Pass
5.9	15.203/15.407(a)	Antenna Requirement	Pass
5.10	2.1091/2.1093	Maximum Permissible Exposure for the EUT	Pass

5. Test Result

5.1. Test of 26dB Bandwidth

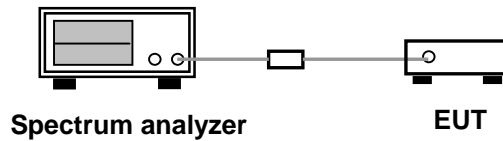
5.1.1. Measuring Instruments

Item 18 of the table on section 6.

5.1.2. Test Procedures

1. The transmitter output was connected to the spectrum analyzer through an attenuator.
2. Set RBW of spectrum analyzer to 300kHz and VBW to 1000kHz.
3. The 6dB bandwidth is defined as the spectrum width with level higher than 26dB below the peak level.
4. Repeat above 1~3 points for the other channel of the EUT.
5. Calculated the power limit.

5.1.3. Test Setup Layout





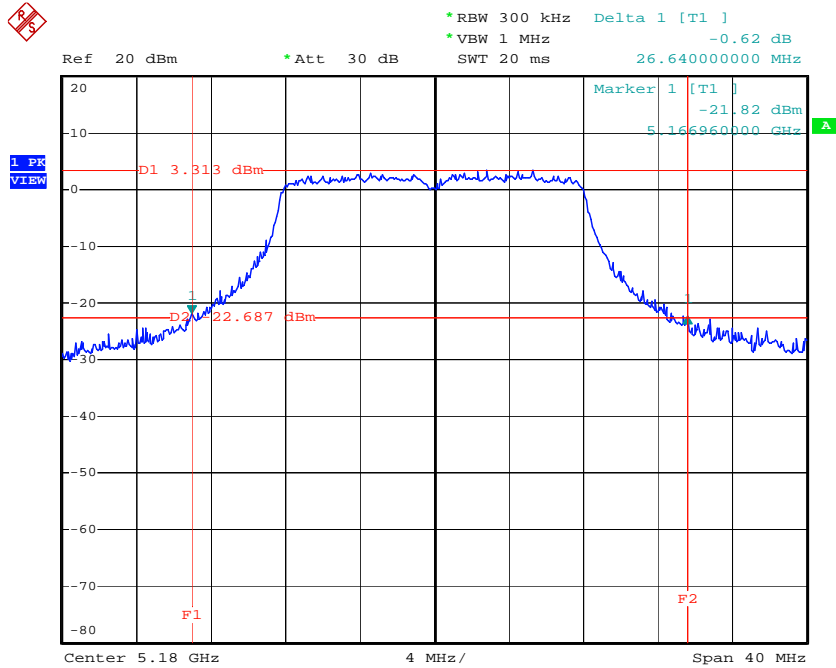
5.1.4. Test Result : See spectrum analyzer plots below

- Normal Mode
- Temperature: 26°C
- Relative Humidity: 64 %
- Duty cycle of the equipment during the test: 100%
- Test Engineer: Bunny Yao

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Calculated Power. Limit dBm	Applied Power Limit dBm
01	5180	26.64	18.26	17
02	5200	25.68	18.10	17
04	5240	25.68	18.10	17
05	5260	35.90	27.38	24
06	5280	36.50	27.34	24
08	5320	28.00	25.47	24
09	5745	29.40	33.02	30
10	5765	38.56	32.86	30
12	5800	24.80	30.94	30

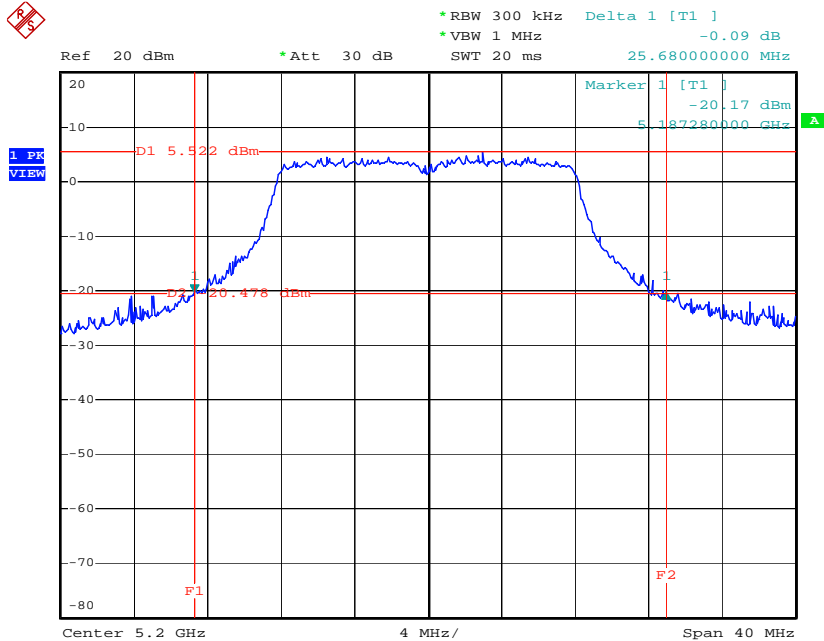


(CH 01) : 5180MHz



Date: 1.JUL.2004 20:18:59

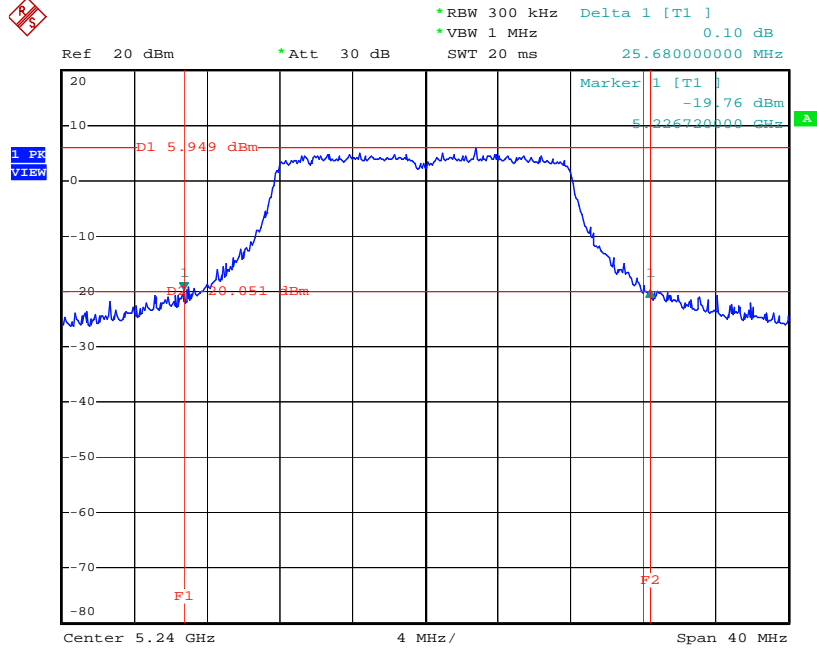
(CH 02) : 5200MHz



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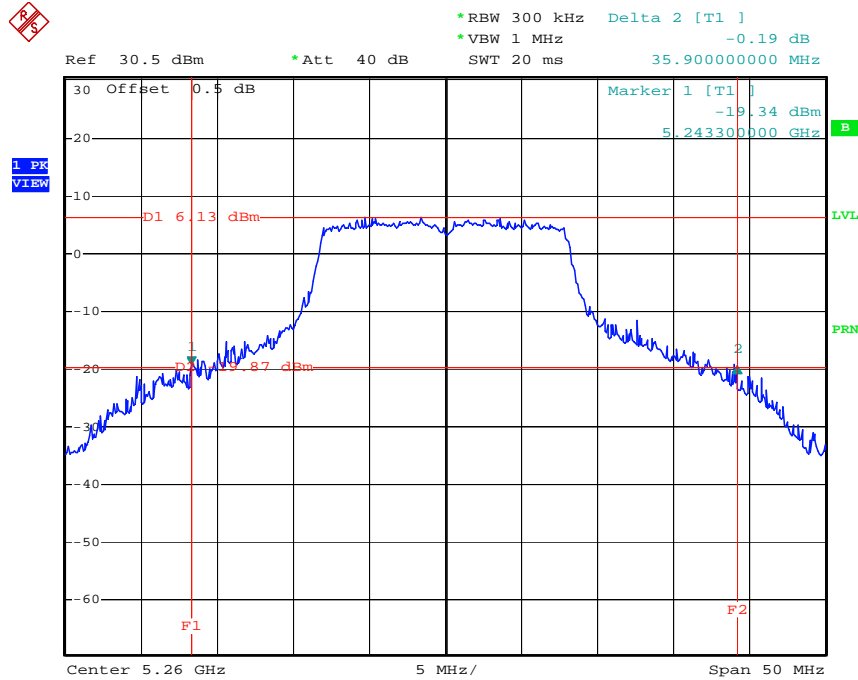


(CH 04) : 5240MHz



Date: 1.JUL.2004 20:25:03

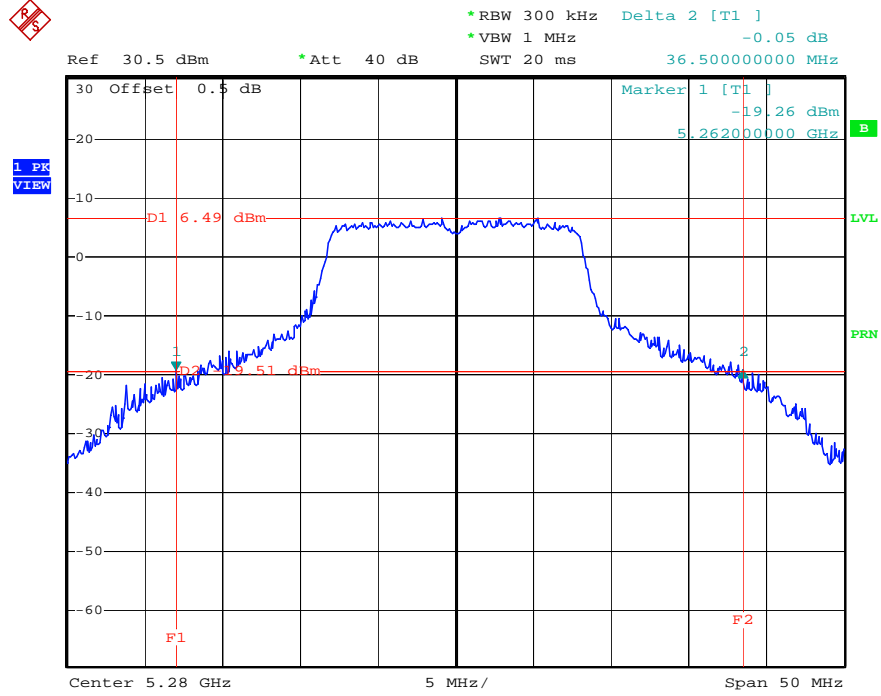
(CH 05) : 5260MHz



Date: 5.AUG.2004 14:32:50

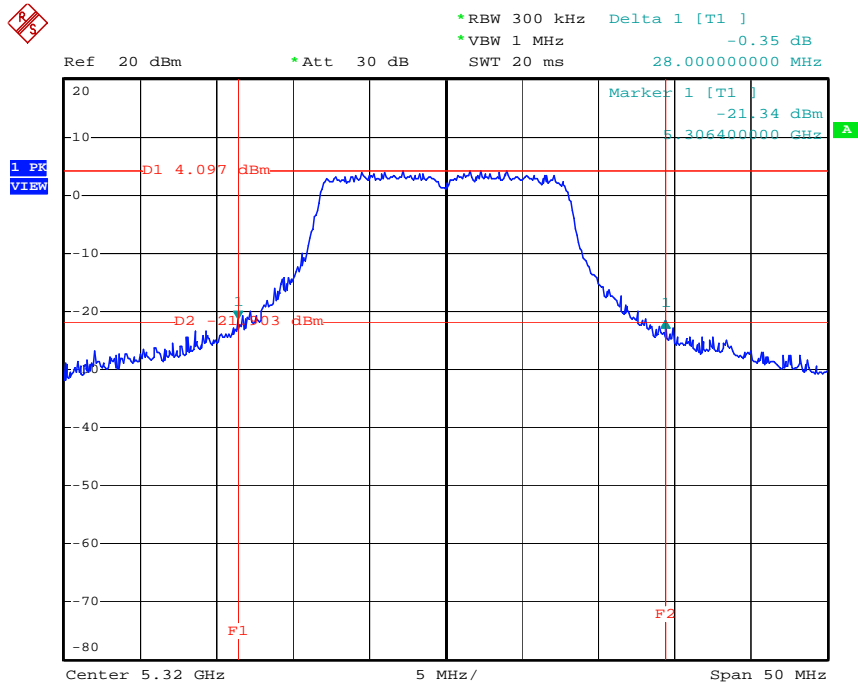


(CH 06) : 5280MHz



Date: 5.AUG.2004 14:34:54

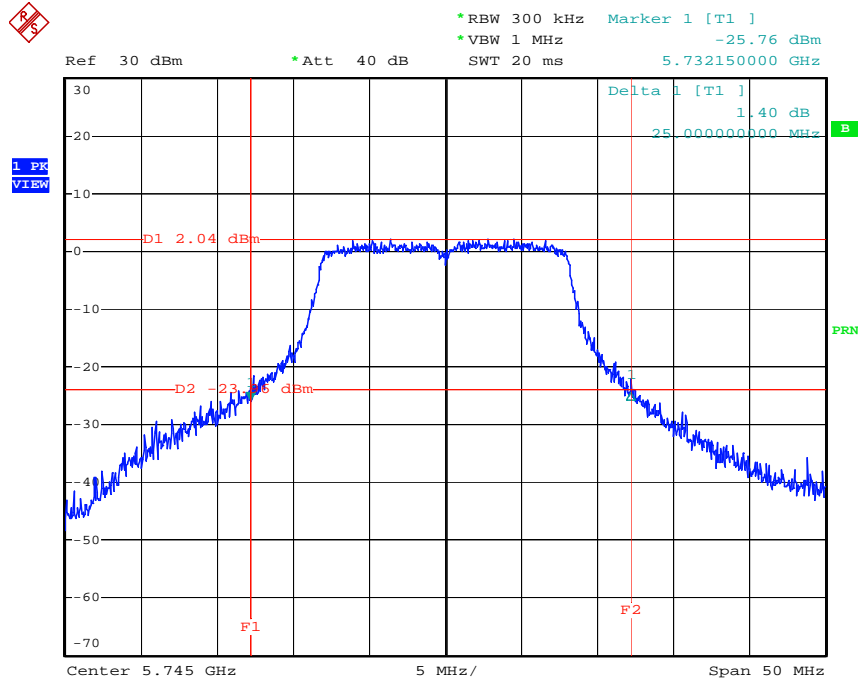
(CH 08) : 5320MHz



Date: 1.JUL.2004 20:42:00

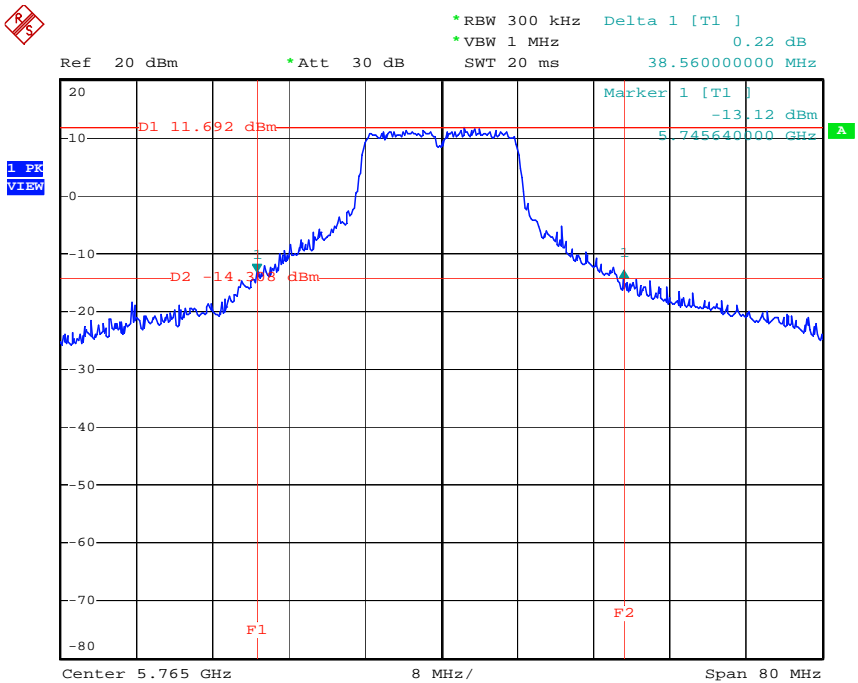


(CH 09) : 5745MHz



Date: 5.AUG.2004 17:01:18

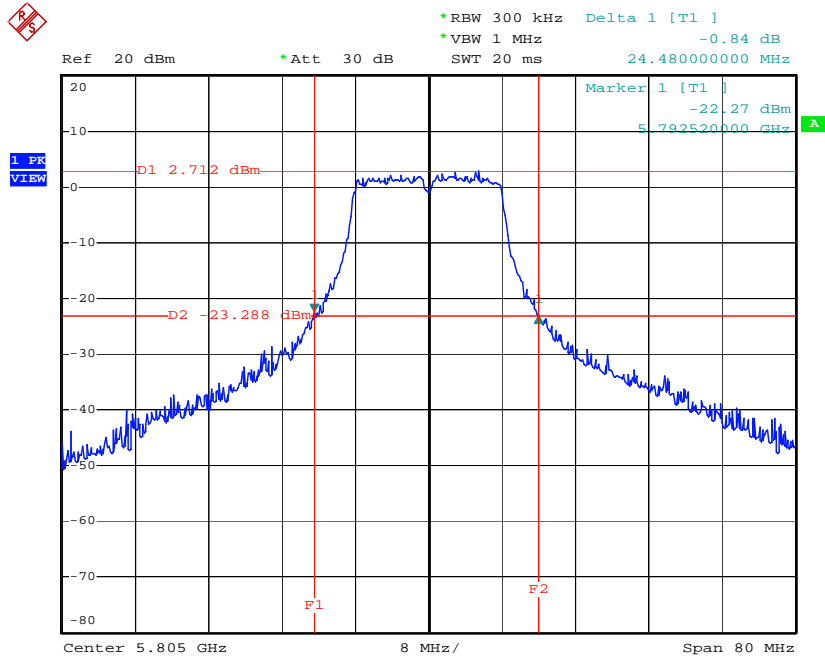
(CH 10) : 5765MHz



Date: 1.JUL.2004 22:09:18



(CH 12) : 5805MHz



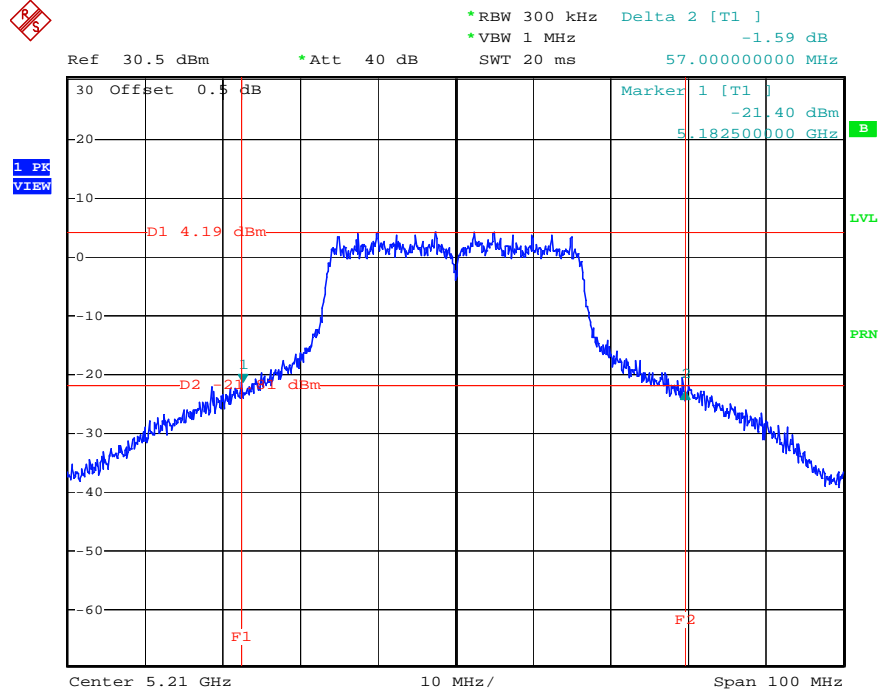
Date: 1.JUL.2004 22:23:01

- Turbo Mode
- Temperature: 26°C
- Relative Humidity: 64 %
- Duty cycle of the equipment during the test: 100%
- Test Engineer: Bunny Yao

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Calculated Power Limit (dBm)	Applied Power Limit (dBm)
01	5210	57.00	22.06	17
02	5250	66.02	29.24	17
03	5290	57.40	29.24	24
04	5760	45.84	35.70	30
05	5800	48.60	36.25	30

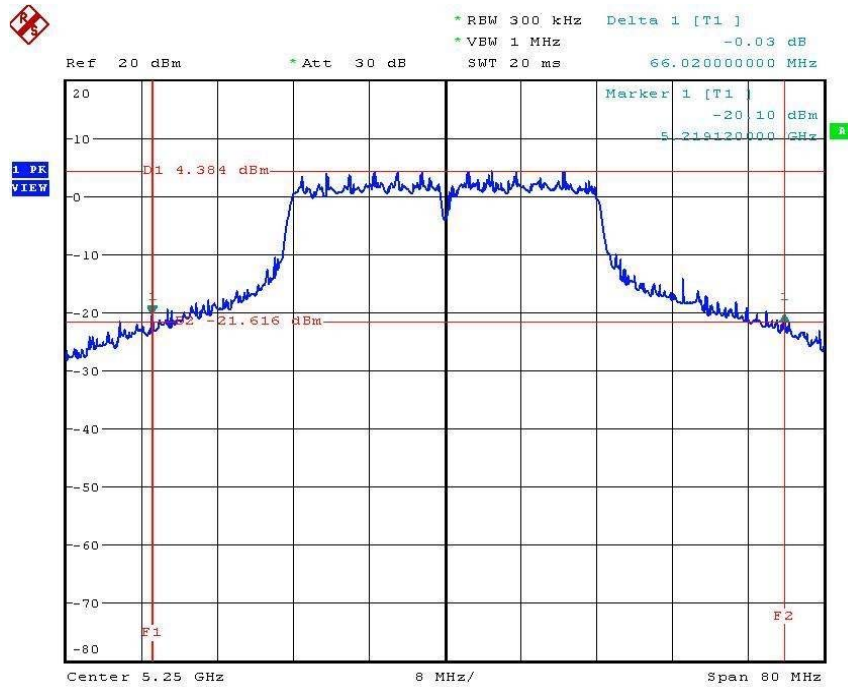


(CH 01) : 5210MHz



Date: 5.AUG.2004 14:48:23

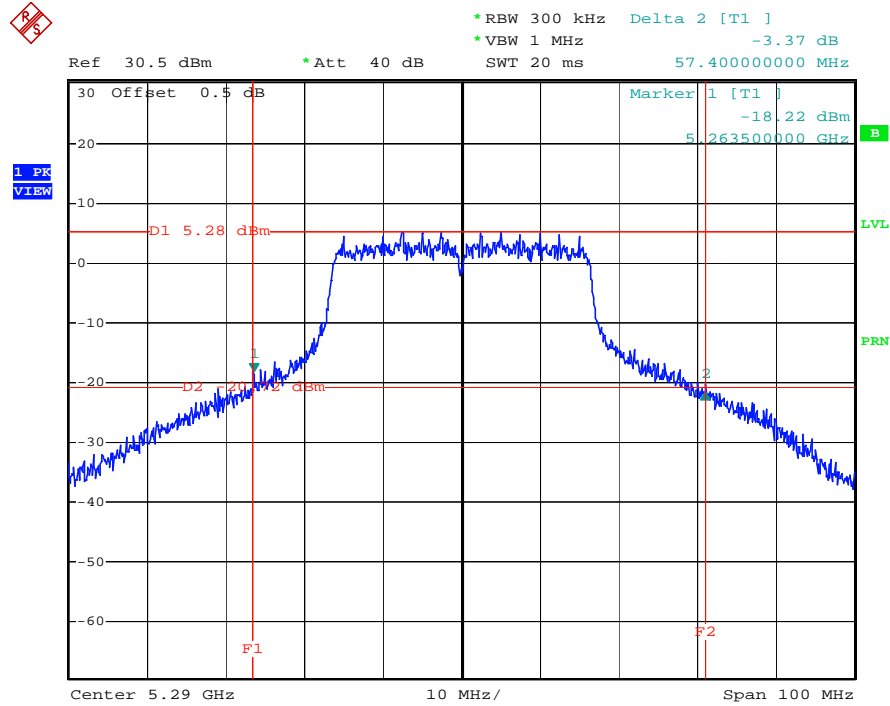
(CH 02) : 5250MHz



Date: 30.AUG.2004 20:06:00

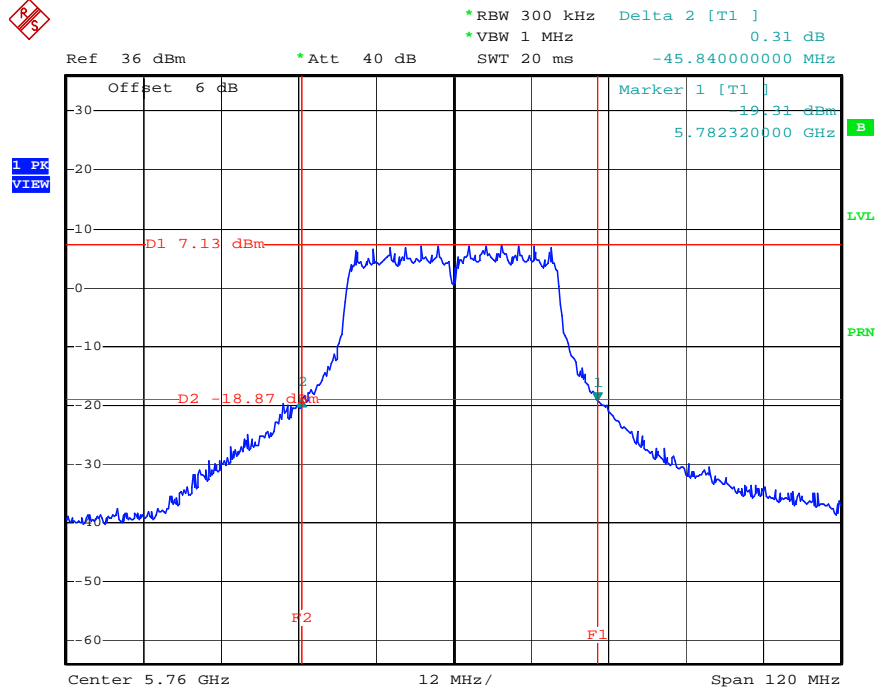


(CH 03) : 5290MHz



Date: 5.AUG.2004 14:52:10

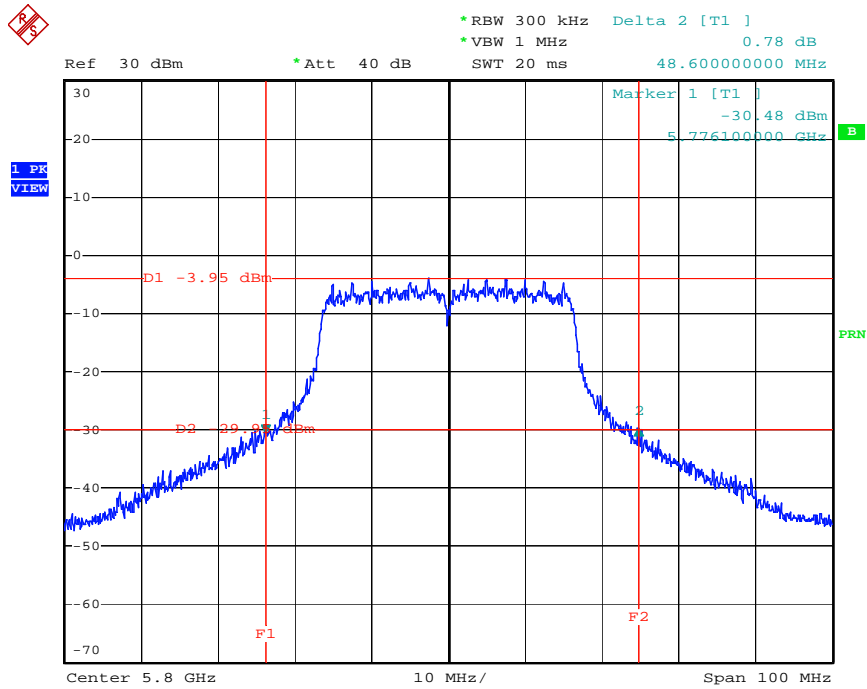
(CH 04) : 5760MHz



Date: 5.AUG.2004 11:45:09



(CH 05) : 5800MHz



Date: 5.AUG.2004 15:49:04

5.2. Test of Maximum Peak Transmit Power

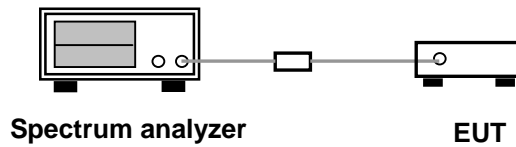
5.2.1. Measuring Instruments

Item 7 of the table on section 6.

5.2.2. Test Procedures

1. The transmitter output was connected to the Spectrum through an attenuator.
2. Set RBW of spectrum analyzer to 1000kHz and VBW to 3000kHz.
3. Use sample detector mode, span 50MHz and max hold.
4. Use the channel power function of the spectrum analyzer to measure the power.

5.2.3. Test Setup Layout





5.2.4. Test Result : See spectrum analyzer plots below

- Normal Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test : 100%
- Test Engineer: Bunny Yao

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (mWatt)	Limits (dBm)
01	5180	14.62	28.97	17.00
02	5200	16.28	42.46	17.00
04	5240	16.80	47.86	17.00
05	5260	22.06	106.69	24.00
06	5280	21.96	157.04	24.00
08	5320	15.59	36.22	24.00
09	5745	13.48	22.28	30.00
10	5765	23.65	231.74	30.00
12	5805	14.10	25.70	30.00

Power Limits:

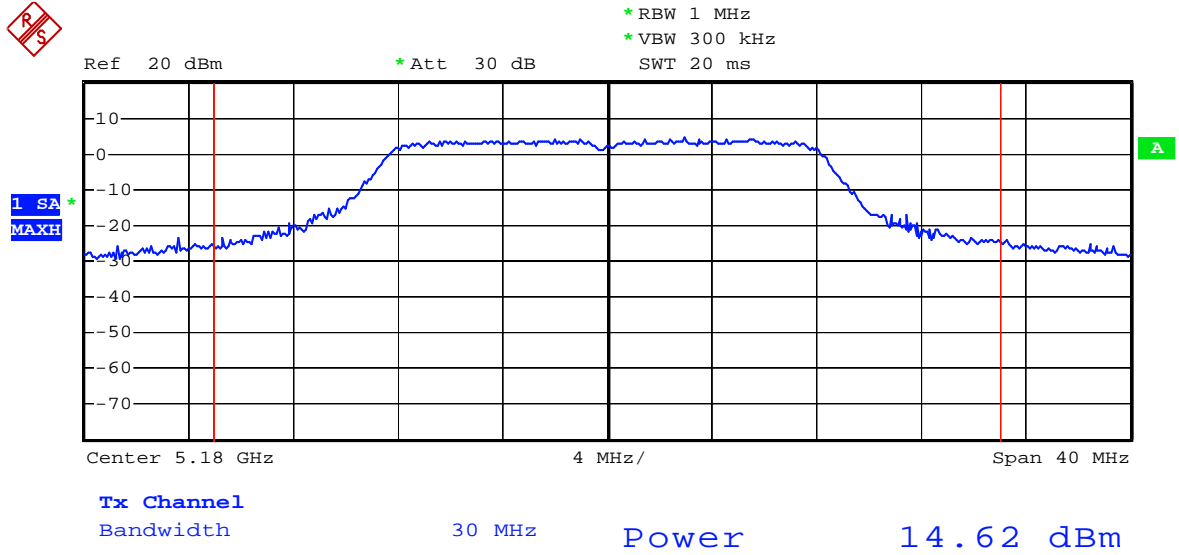
5150MHz~5250MHz is 17dBm or 26dB bandwidth of Power Limits, whichever is less.

5250MHz~5350MHz is 24dBm or 26dB bandwidth of Power Limits, whichever is less.

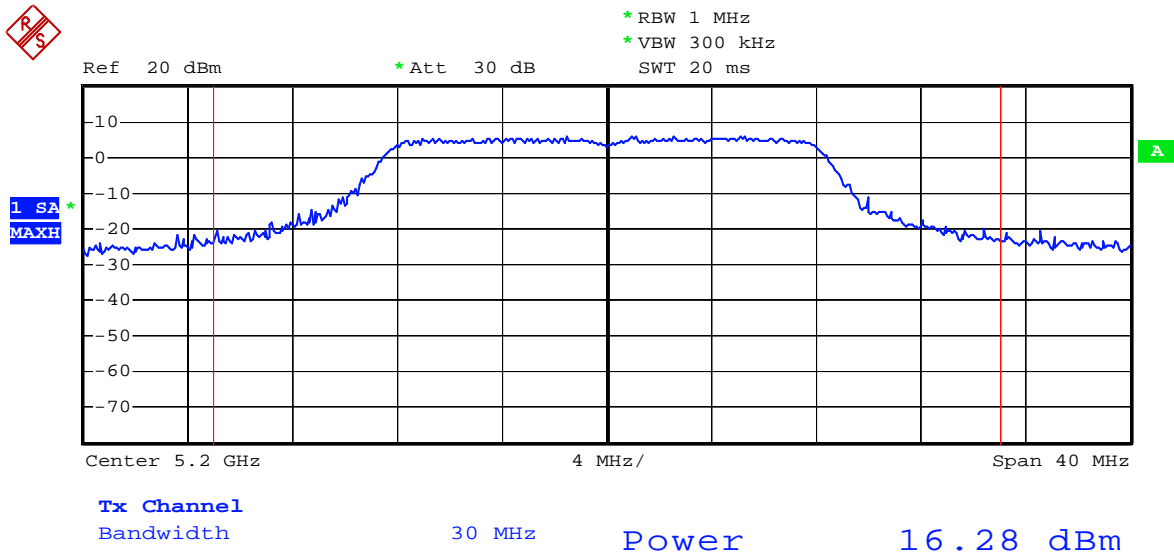
5725MHz~5825MHz is 30dBm or 26dB bandwidth of Power Limits, whichever is less.



(CH 01) : 5180MHz

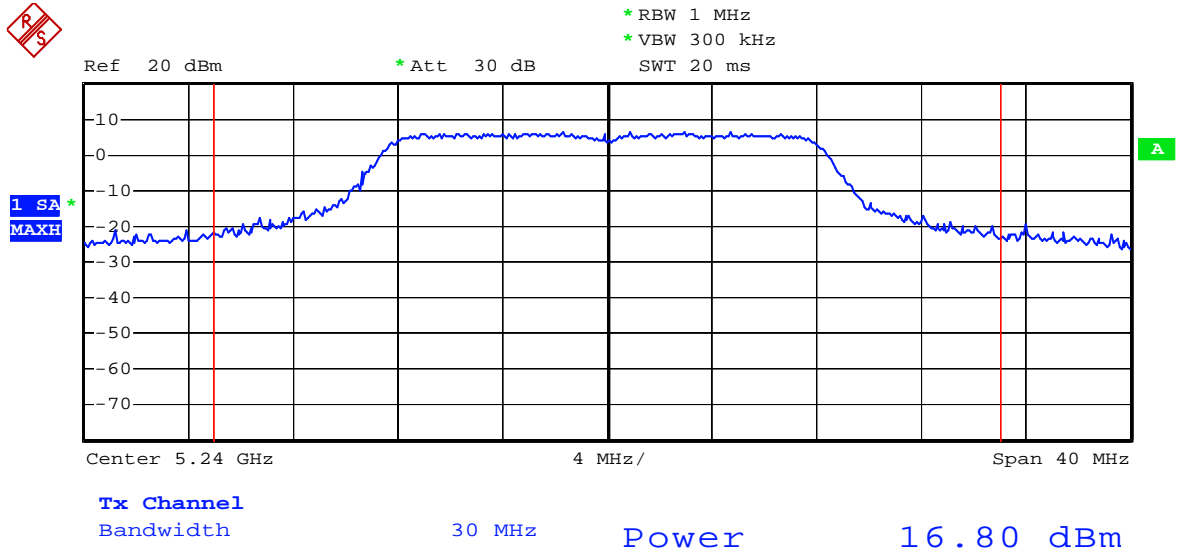


(CH 02) : 5200MHz

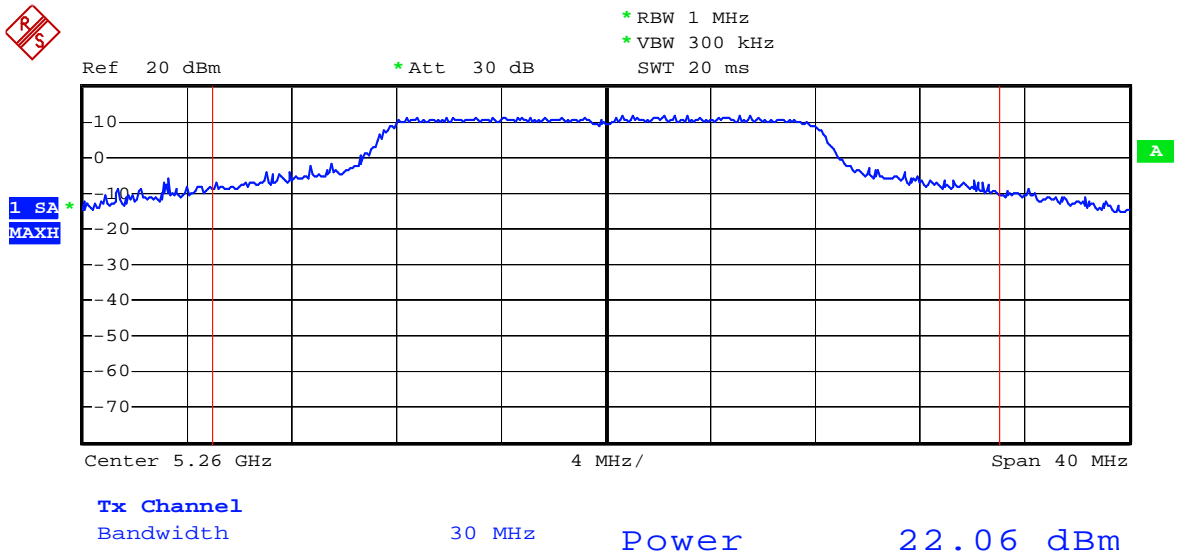




(CH 04) : 5240MHz

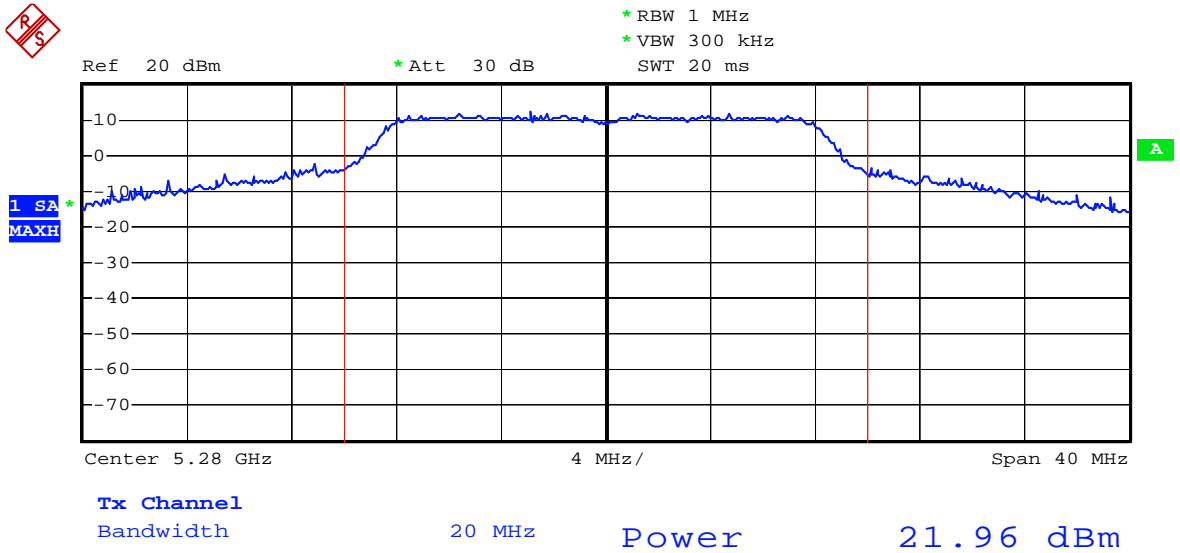


(CH 05) : 5260MHz

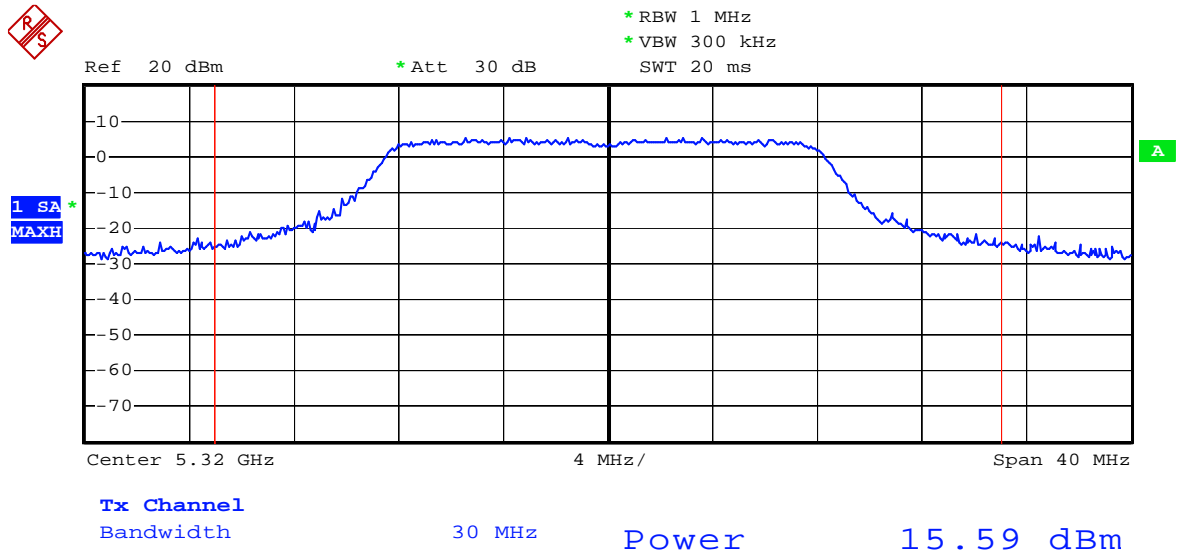




(CH 06) : 5280MHz

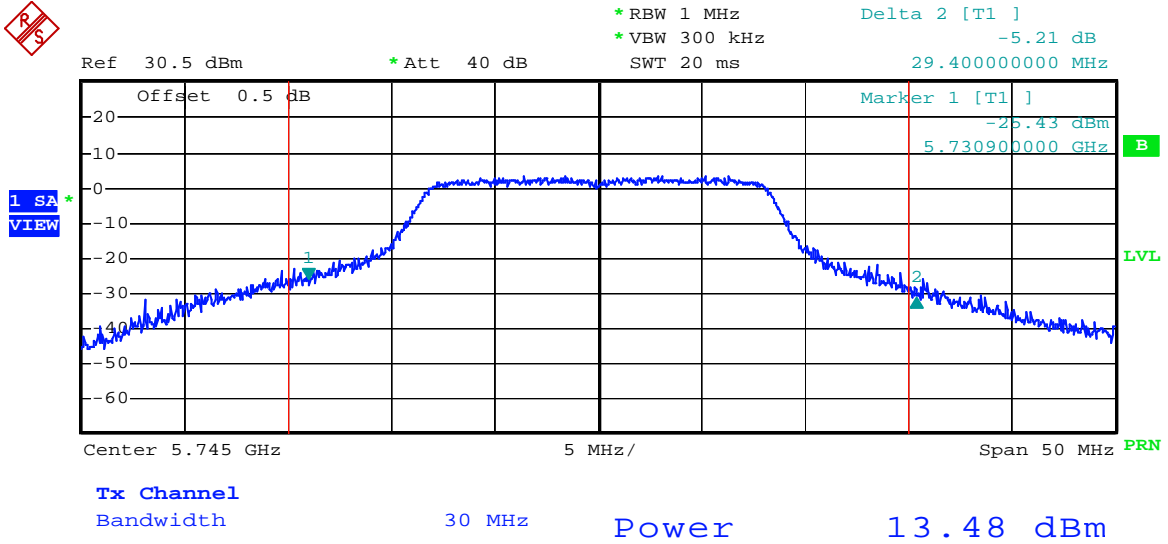


(CH 08) : 5320MHz

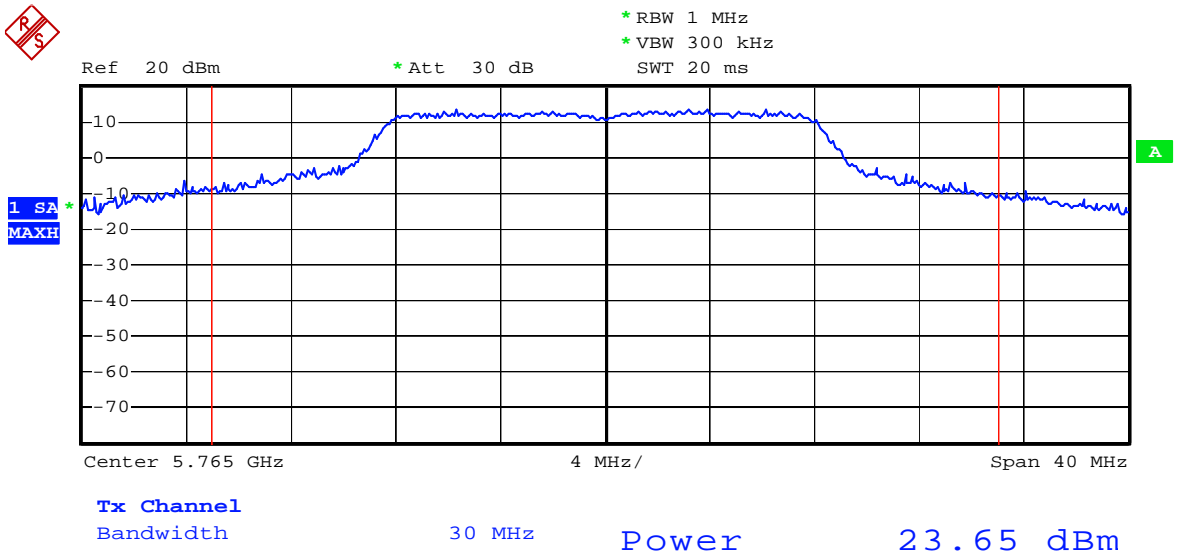




(CH 09) : 5745MHz

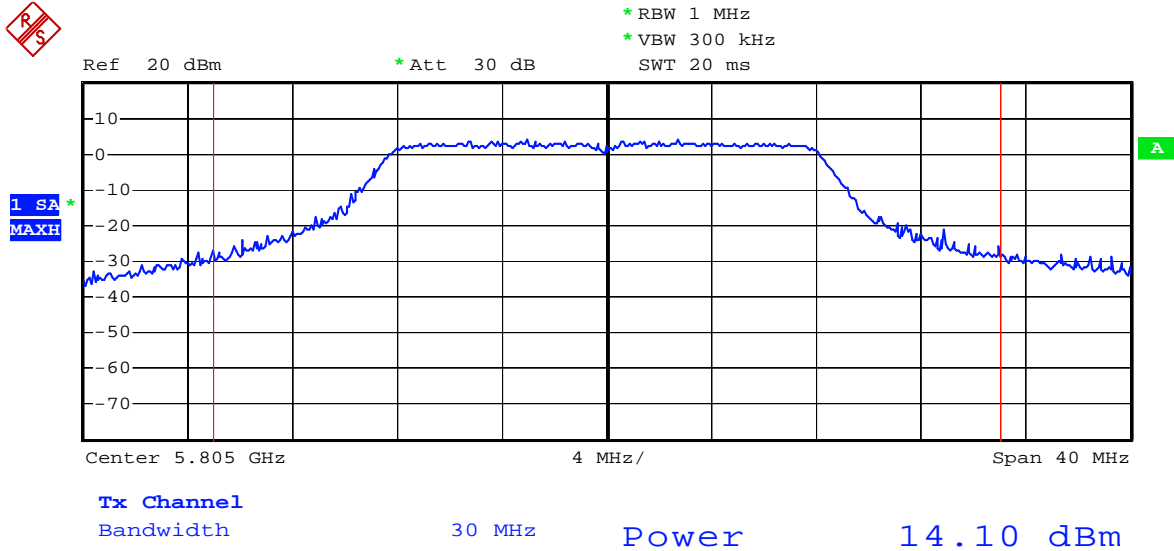


(CH 10) : 5765MHz





(CH 12) : 5805MHz



- Turbo Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test : 100%
- Test Engineer: Bunny Yao

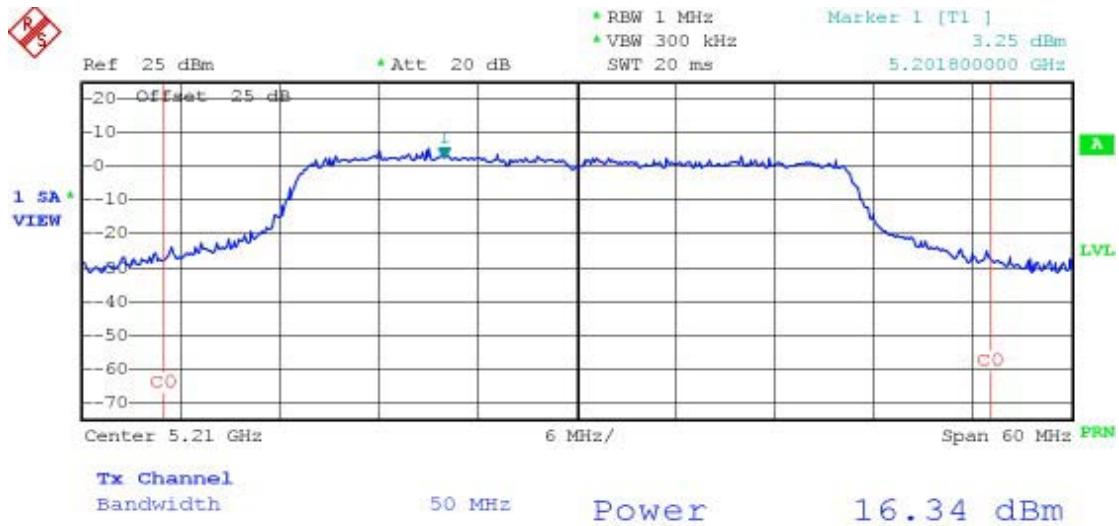
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (mWatt)	Limits (dBm)
01	5210	16.34	43.05	17.00
02	5250	16.80	47.86	17.00
03	5290	18.50	70.79	24.00
04	5760	17.41	55.08	30.00
05	5800	11.34	13.61	30.00

Power Limits:

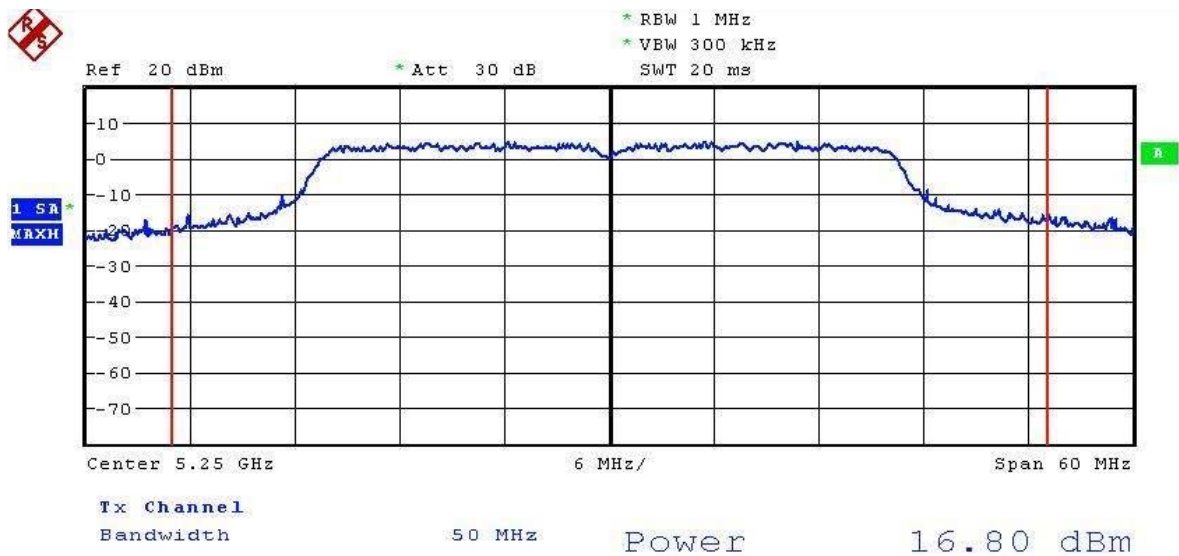
5150MHz~5250MHz is 17dBm or 26dB bandwidth of Power Limits, whichever is less.
 5250MHz~5350MHz is 24dBm or 26dB bandwidth of Power Limits, whichever is less.
 5725MHz~5825MHz is 30dBm or 26dB bandwidth of Power Limits, whichever is less.



(CH 01) : 5210MHz

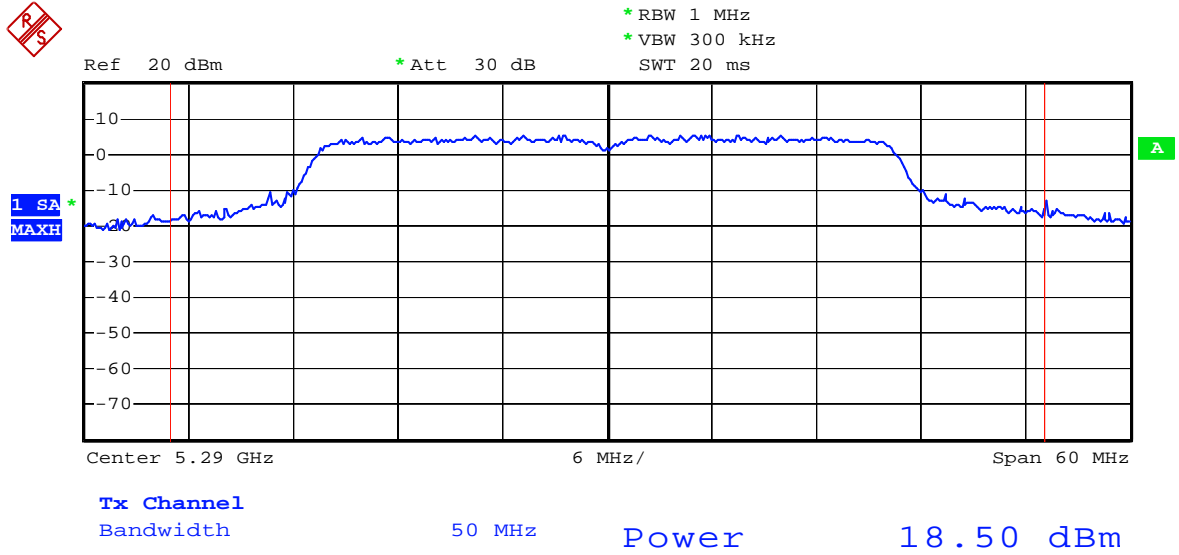


(CH 02) : 5250MHz

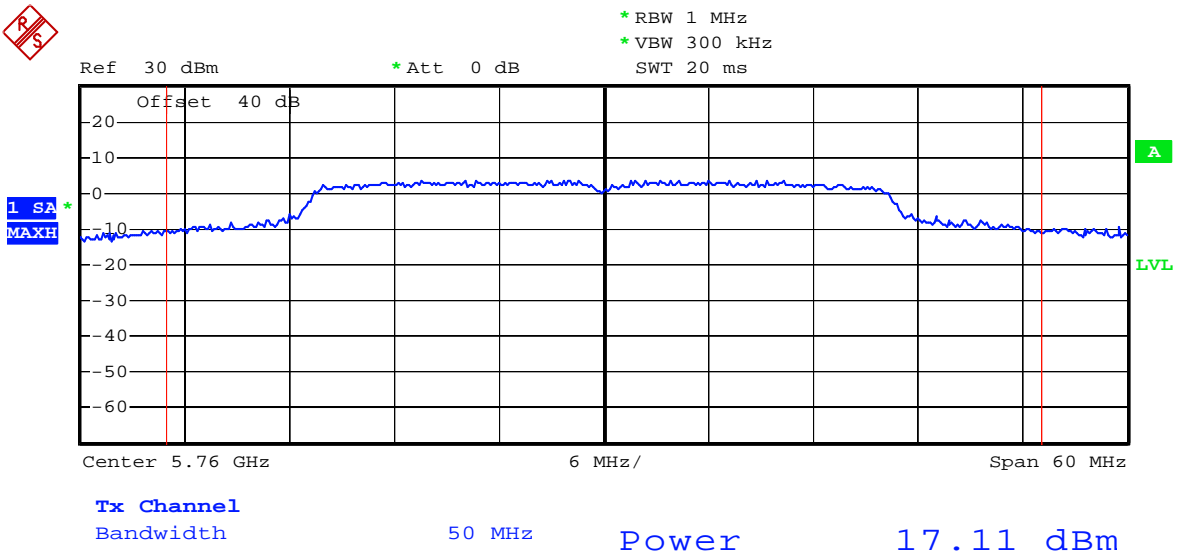




(CH 03) : 5290MHz

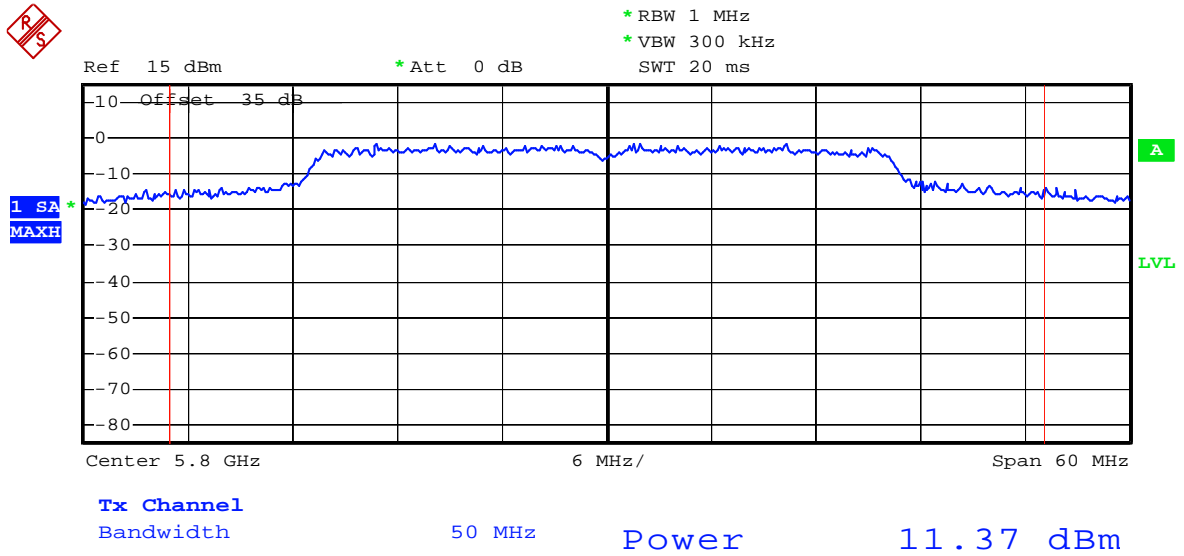


(CH 04) : 5760MHz





(CH 05) : 5800MHz



5.3. Test of Peak Power Spectral Density

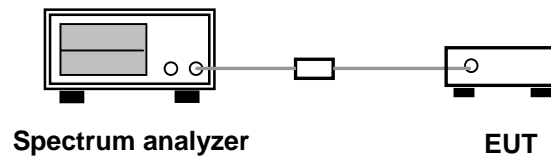
5.3.1. Measuring Instruments

Item 7 of the table on section 6.

5.3.2. Test Procedures

1. The transmitter output is connected to the spectrum analyzer through an attenuator.
2. Set RBW of spectrum analyzer to 1000kHz and VBW to 3000kHz.
3. Use sample detector mode, span 50MHz and trace average of 100 sweeps time
4. Mark peak power and record the power density.

5.3.3. Test Setup Layout





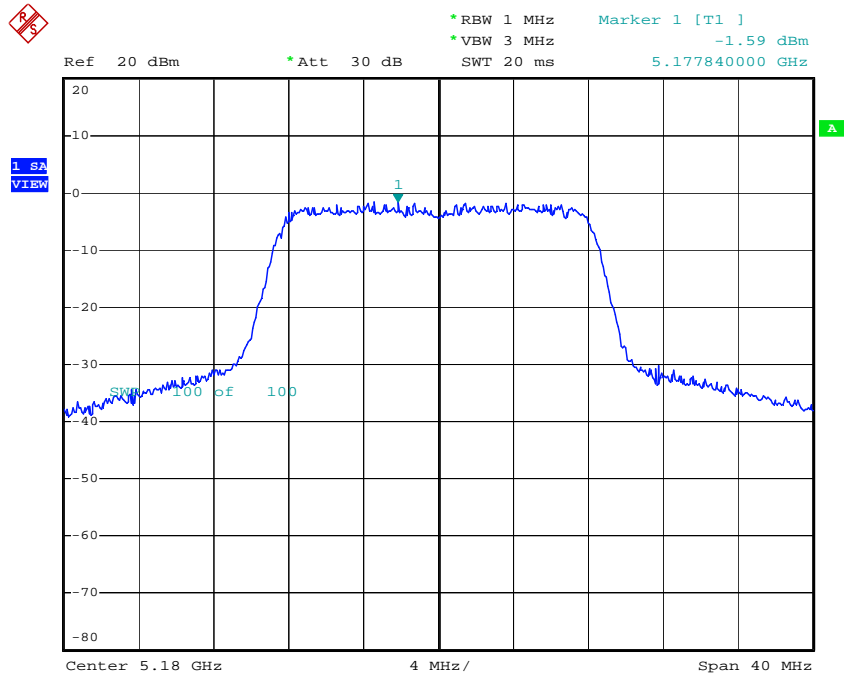
5.3.4. Test Result : See spectrum analyzer plots below

- Normal Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test: 100%

Channel	Frequency (MHz)	Density (dBm)	Limits (dBm)
01	5180	-1.59	4dBm
02	5200	-0.04	4dBm
04	5240	0.56	4dBm
05	5260	5.73	11dBm
06	5280	5.48	11dBm
08	5320	-0.72	11dBm
09	5745	6.93	17dBm
10	5765	7.14	17dBm
12	5805	-1.86	17dBm

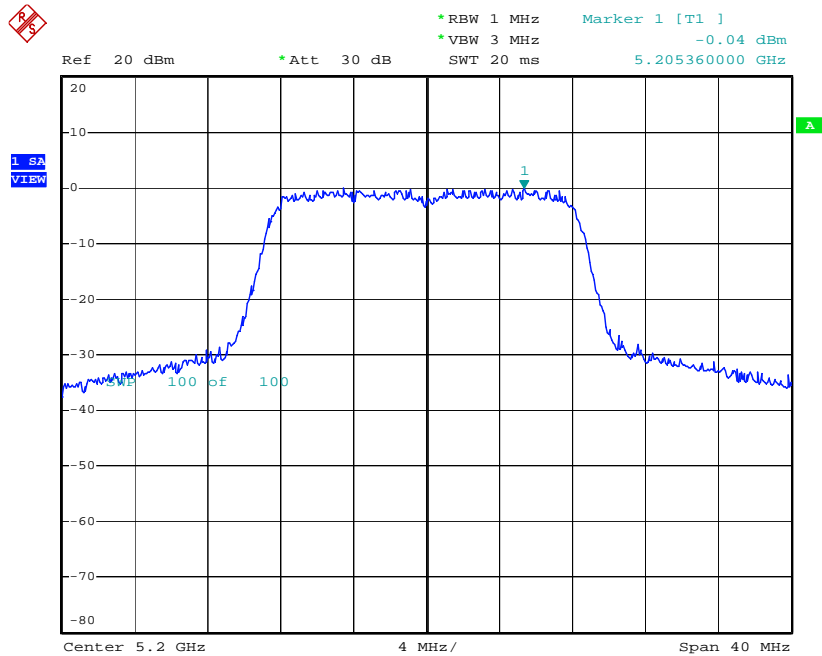


(CH 01) : 5180MHz



Date: 1.JUL.2004 20:19:06

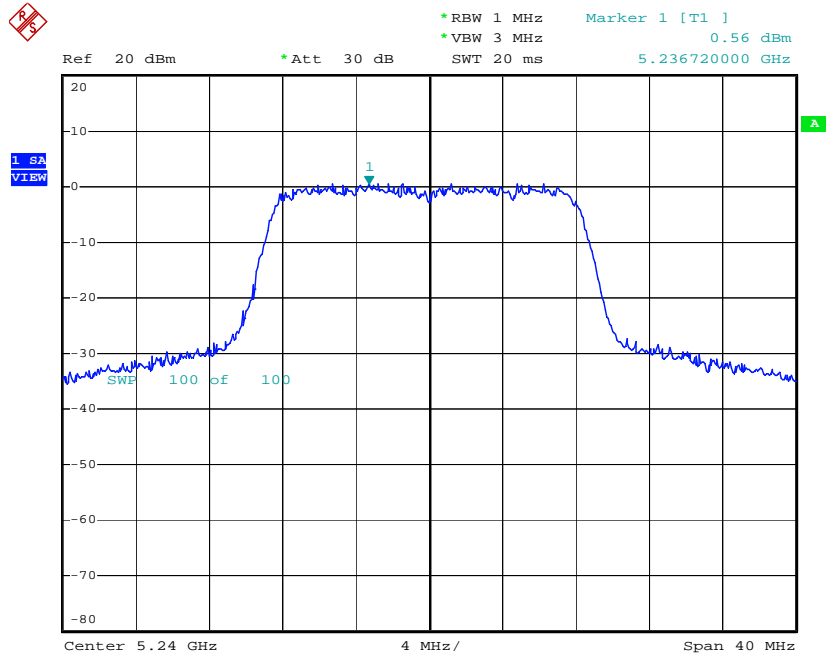
(CH 02) : 5200MHz



Date: 1.JUL.2004 20:23:47

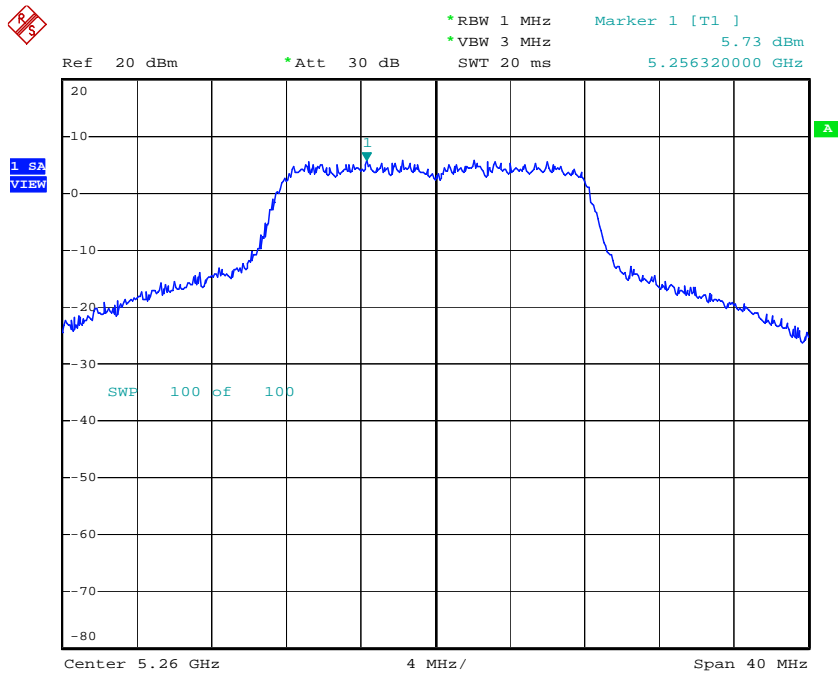


(CH 04) : 5240MHz



Date: 1.JUL.2004 20:25:10

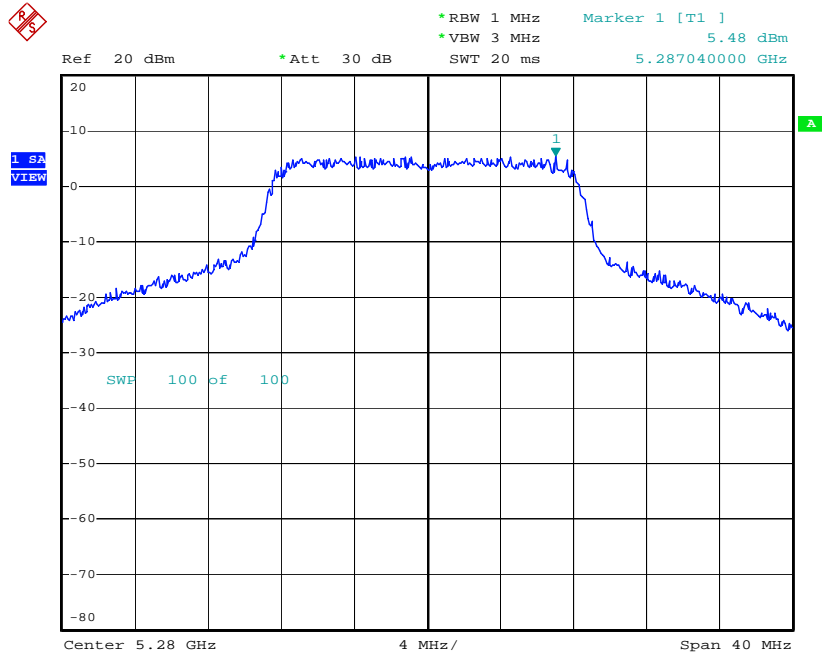
(CH 05) : 5260MHz



Date: 1.JUL.2004 20:30:38

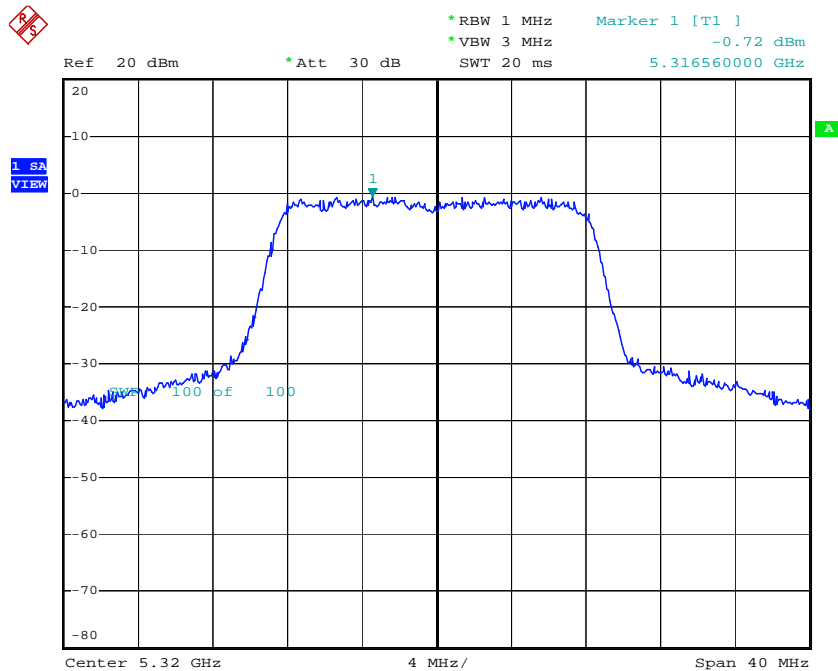


(CH 06) : 5280MHz



Date: 1.JUL.2004 20:39:15

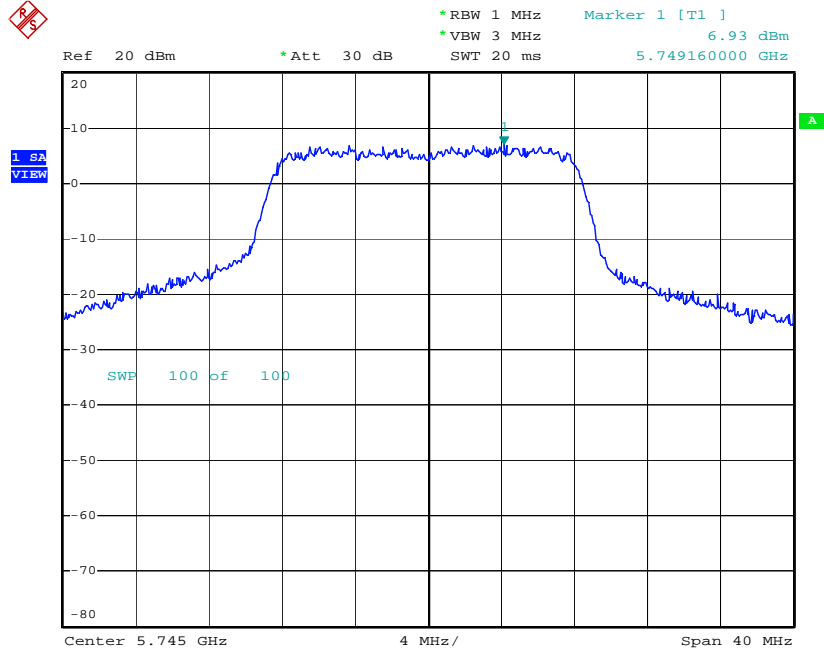
(CH 08) : 5320MHz



Date: 1.JUL.2004 20:42:07

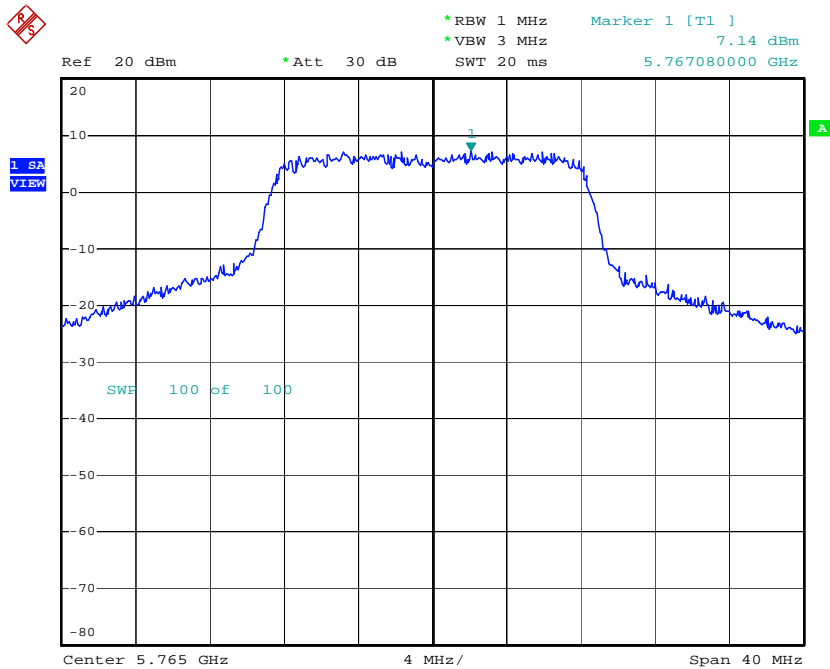


(CH 09) : 5745MHz



Date: 1.JUL.2004 22:06:46

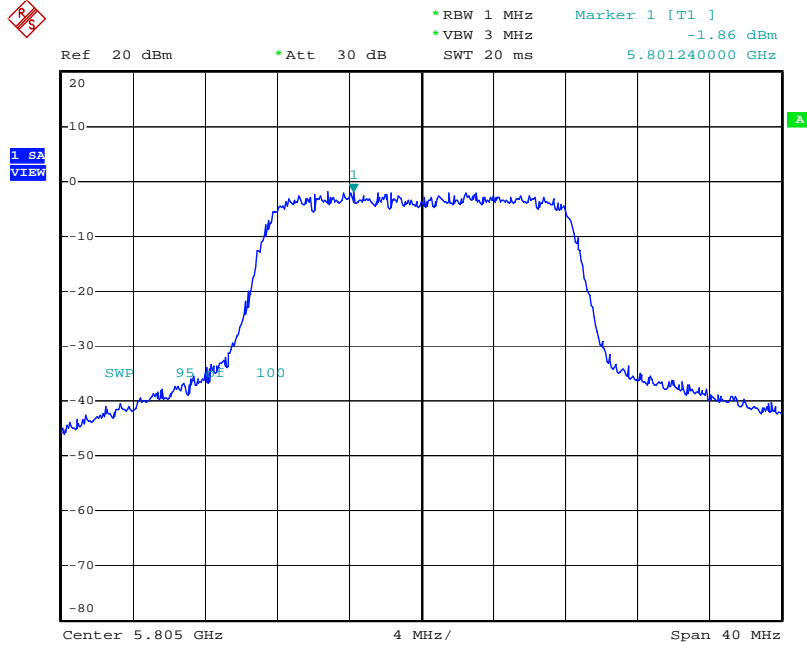
(CH 10) : 5765MHz



Date: 1.JUL.2004 22:09:25



(CH 12) : 5805MHz



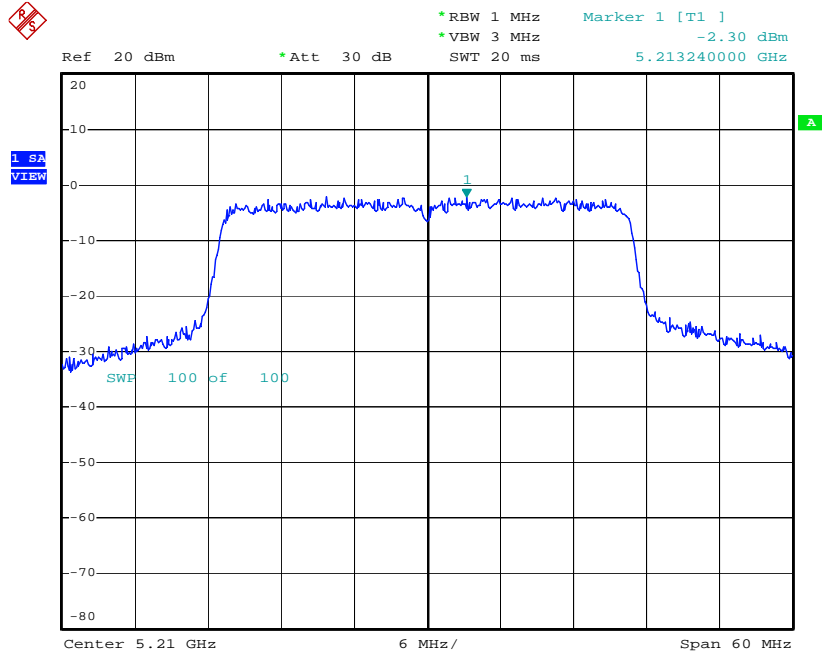
Date: 1.JUL.2004 22:23:07

- Turbo Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test: 100%

Channel	Frequency (MHz)	Density (dBm)	Limits (dBm)
01	5210	-2.30	4dBm
02	5250	-1.11	4dBm
03	5290	-0.52	11dBm
04	5760	-3.38	17dBm
05	5800	-4.06	17dBm

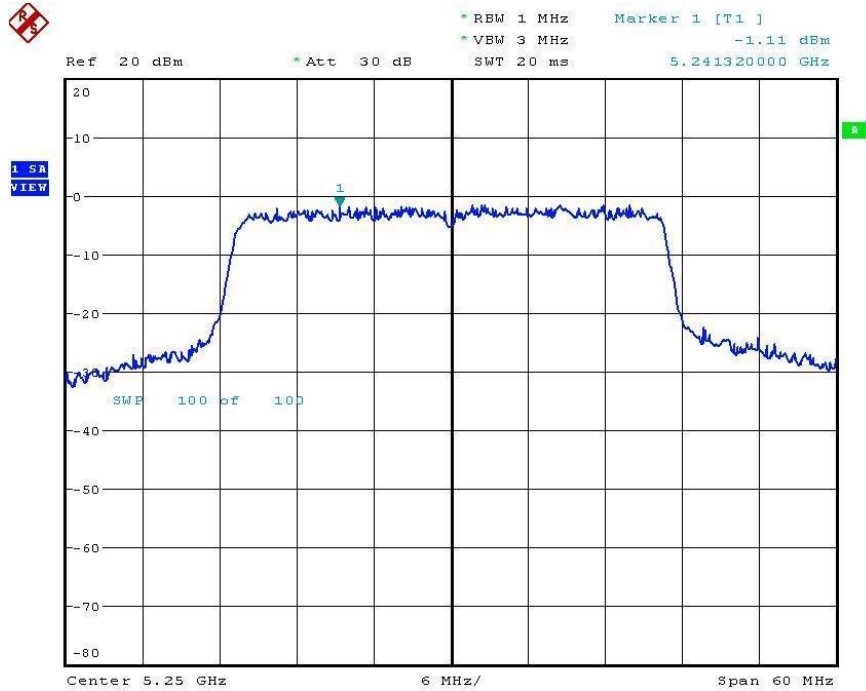


(CH 01) : 5210MHz



Date: 16.JUL.2004 04:04:06

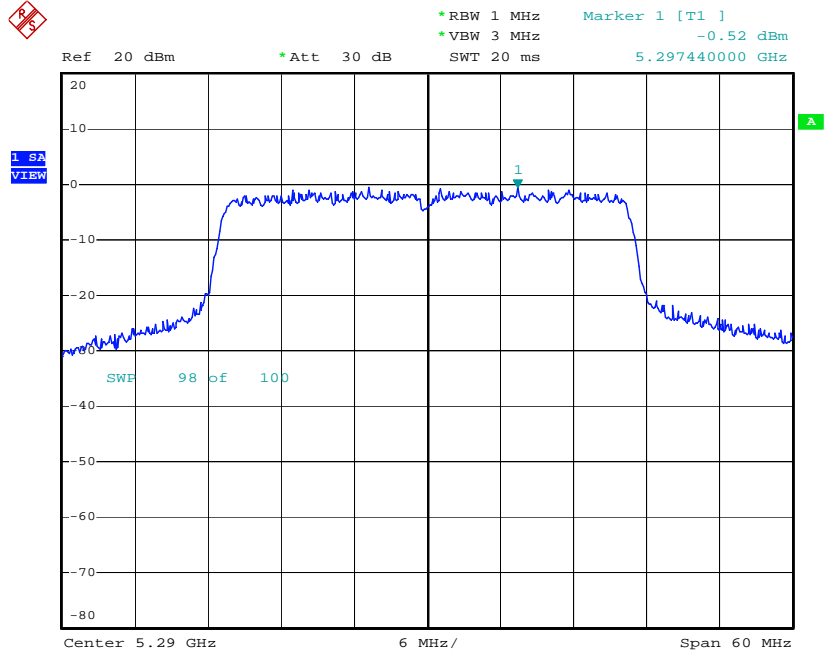
(CH 02) : 5250MHz



Date: 30.AUG.2004 20:40:04

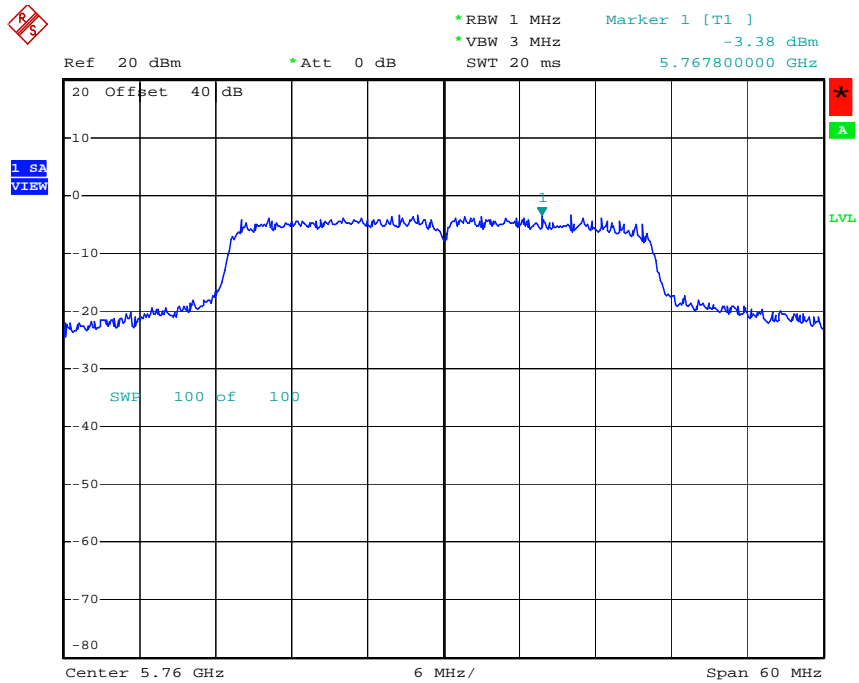


(CH 03) : 5290MHz



Date: 16.JUL.2004 04:09:09

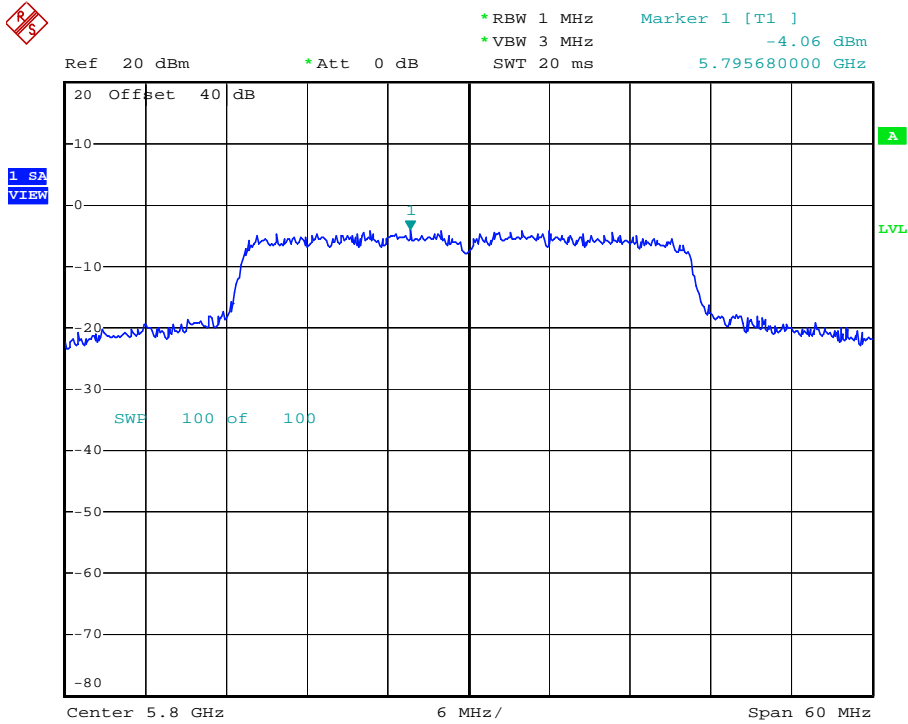
(CH 04) : 5760MHz



Date: 16.JUL.2004 05:39:51



(CH 05) : 5800MHz



Date: 16.JUL.2004 05:58:20

5.4. Test of the Ratio of Peak Excursion

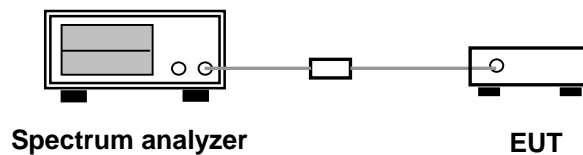
5.4.1. Measuring Instruments

Item 7 of the table on section 6.

5.4.2. Test Procedures

1. The transmitter output is connected to the spectrum analyzer through an attenuator.
2. Trace 1: Set RBW of spectrum analyzer to 1000kHz and VBW to 3000kHz.
Use peak detector mode, Max-hold and search the peak of trace 1.
3. Trace 2: Set RBW of spectrum analyzer to 1000kHz and VBW to 300kHz.
Use sample detector mode, trace max-hold and search the peak of trace 2
4. The delta limits is 13dB between trace 1 and trace 2 of the peak value.

5.4.3. Test Setup Layout





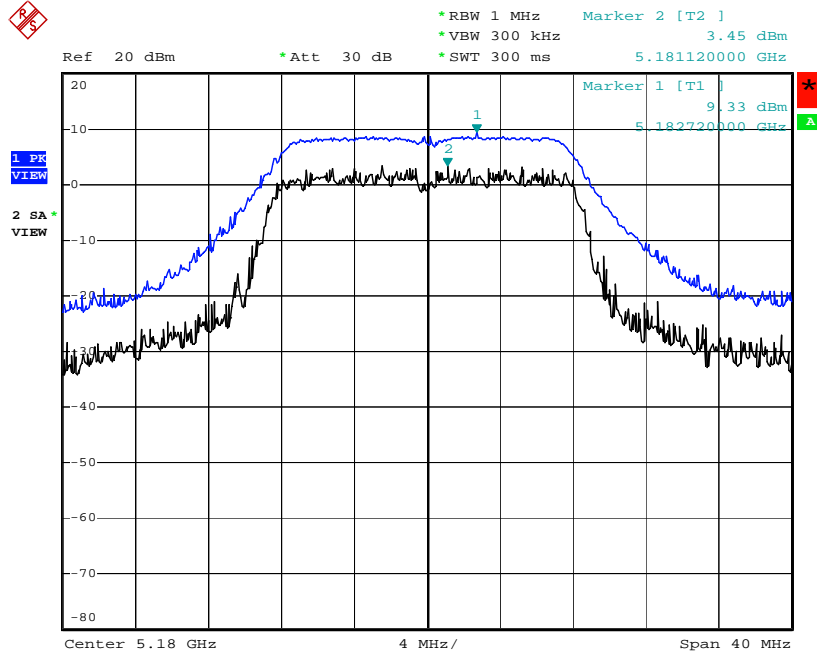
5.4.4. Test Result : See spectrum analyzer plots below

- Normal Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test: 100%

Channel	Frequency (MHz)	Peak Excursion (dB)	Limits (dB)
01	5180	5.89	13
02	5200	5.89	13
04	5240	5.07	13
05	5260	4.84	13
06	5280	5.26	13
08	5320	5.20	13
09	5745	5.06	13
10	5765	4.81	13
12	5805	6.26	13

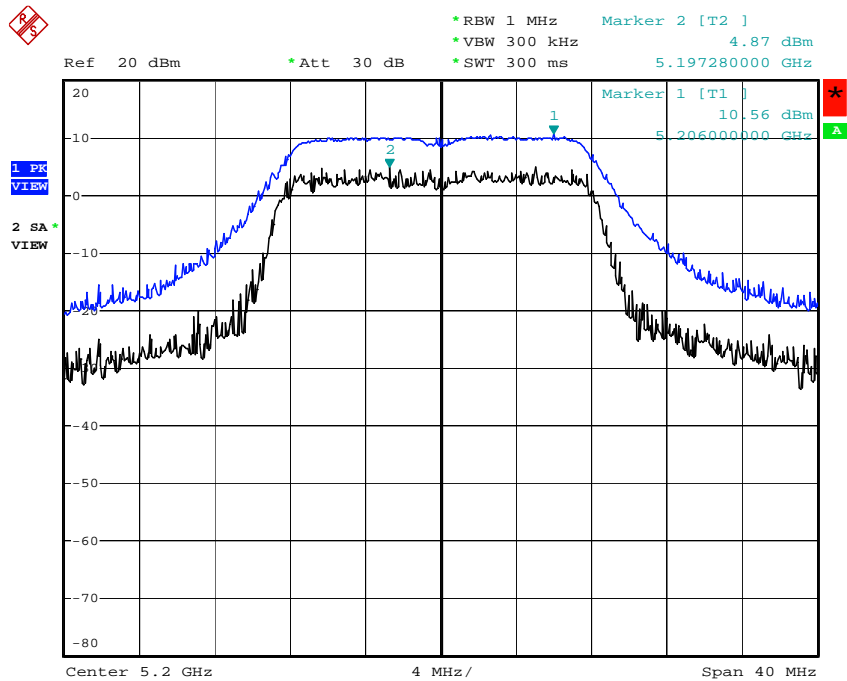


(CH 01) : 5180MHz



Date: 1.JUL.2004 20:19:37

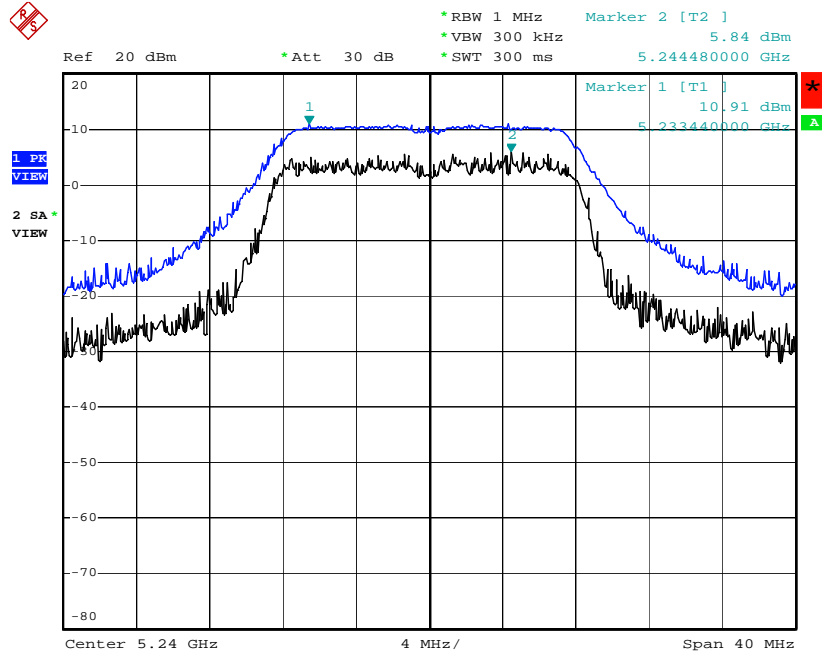
(CH 02) : 5200MHz



Date: 1.JUL.2004 20:24:18

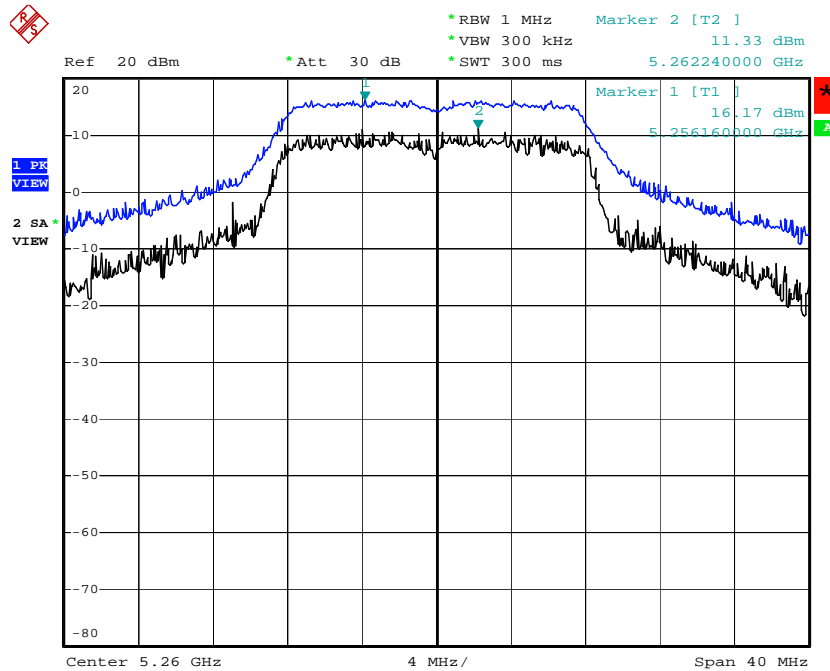


(CH 04) : 5240MHz



Date: 1.JUL.2004 20:25:41

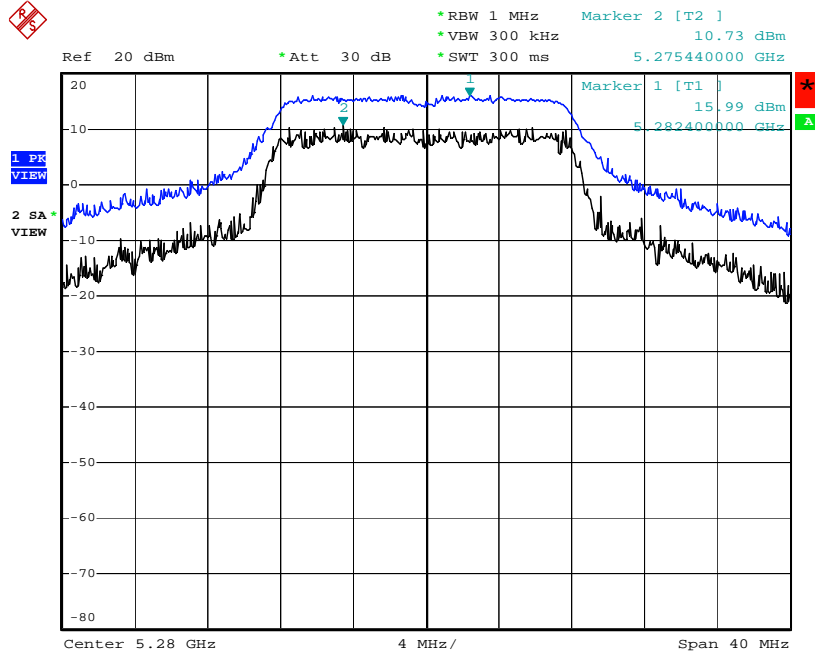
(CH 05) : 5260MHz



Date: 1.JUL.2004 20:31:09

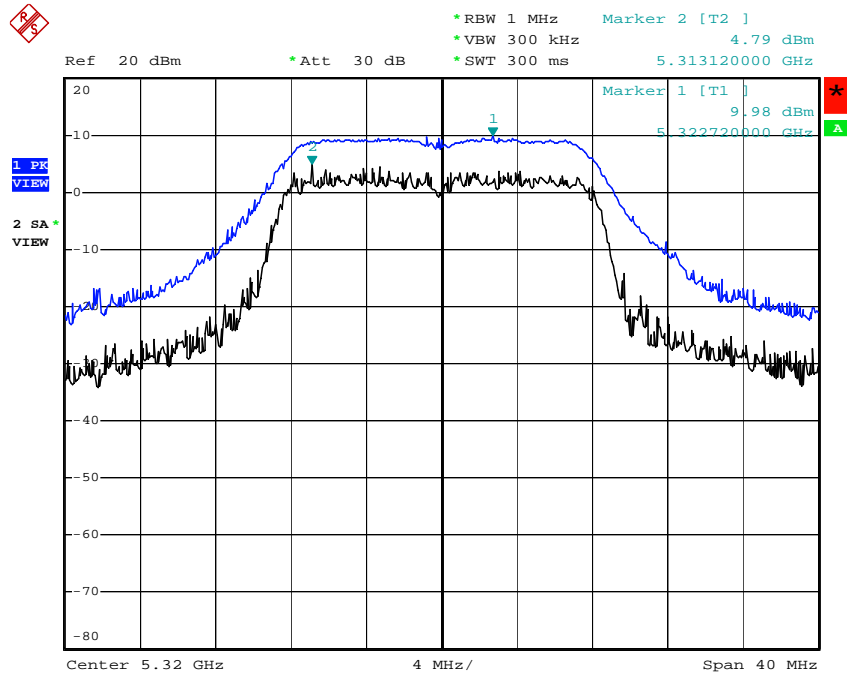


(CH 06) : 5280MHz



Date: 1.JUL.2004 20:39:46

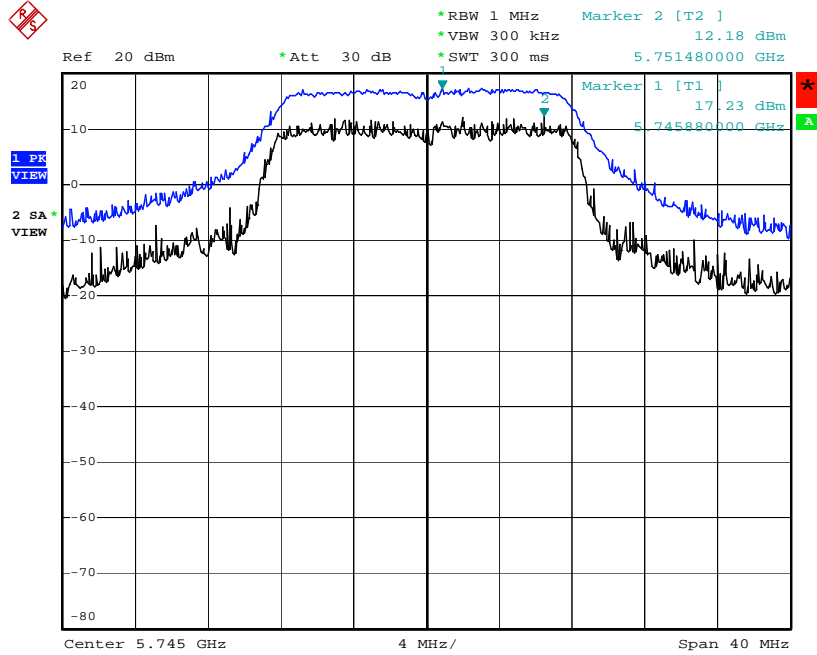
(CH 08) : 5320MHz



Date: 1.JUL.2004 20:42:38

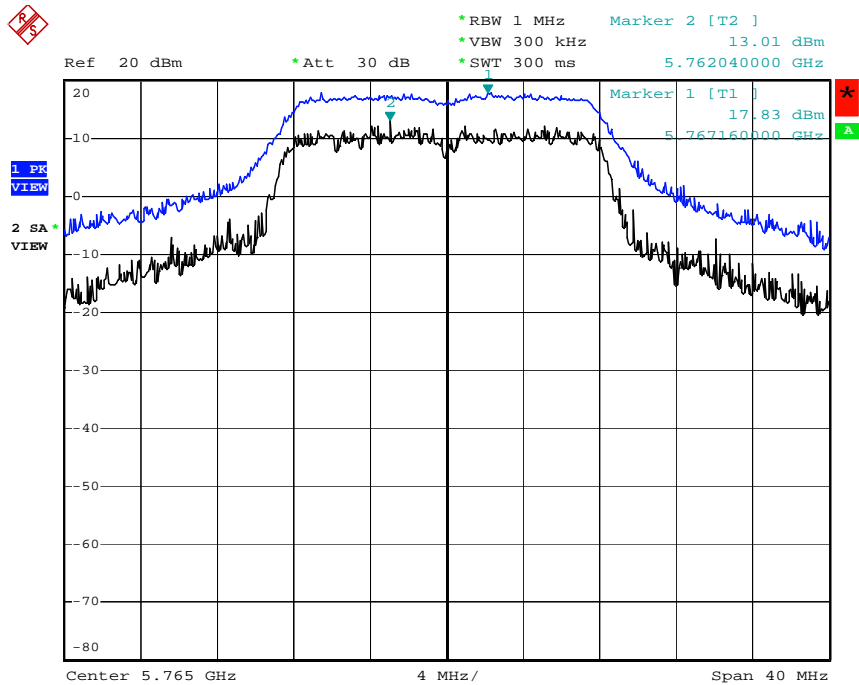


(CH09) : 5745MHz



Date: 1.JUL.2004 22:07:17

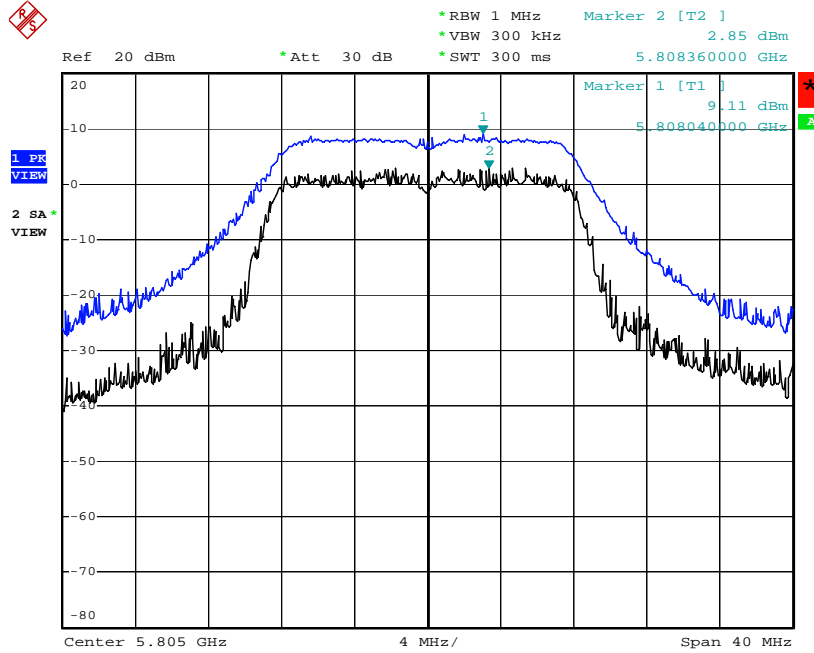
(CH 10) : 5765MHz



Date: 1.JUL.2004 22:09:56



(CH12) : 5805MHz



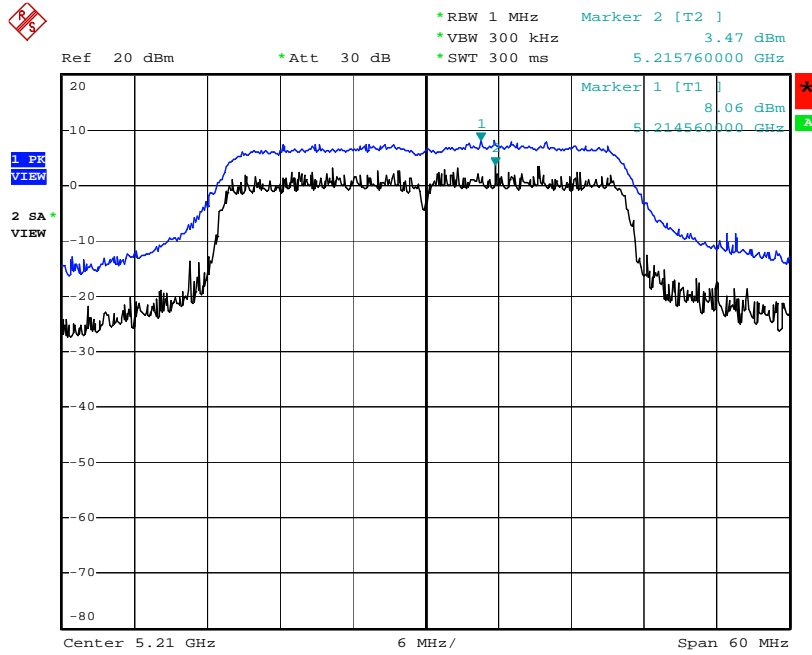
Date: 1.JUL.2004 22:23:38

- Turbo Mode
- Temperature: 25°C
- Relative Humidity: 62 %
- Duty cycle of the equipment during the test: 100%

Channel	Frequency (MHz)	Peak Excursion (dB)	Limits (dB)
01	5210	4.59	13
02	5250	4.10	13
03	5290	4.49	13
04	5760	5.74	13
05	5800	4.30	13

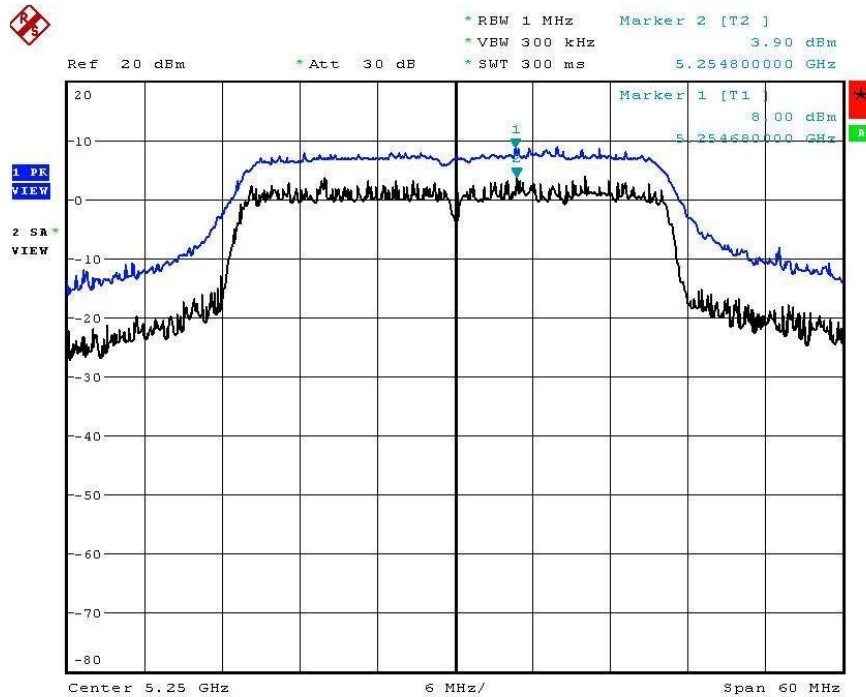


(CH 01) : 5210MHz



Date: 16.JUL.2004 04:04:37

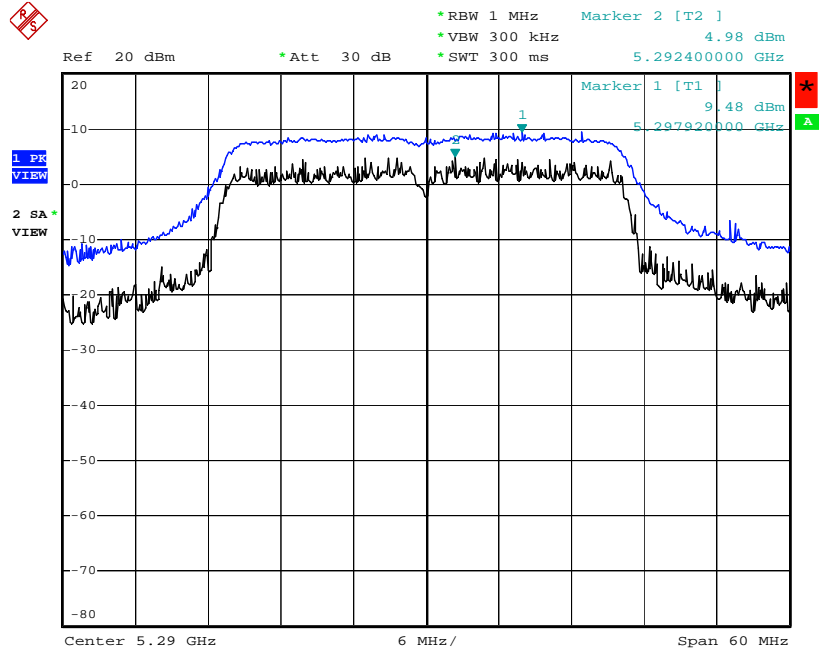
(CH 02) : 5250MHz



Date: 30.AUG.2004 20:00:00

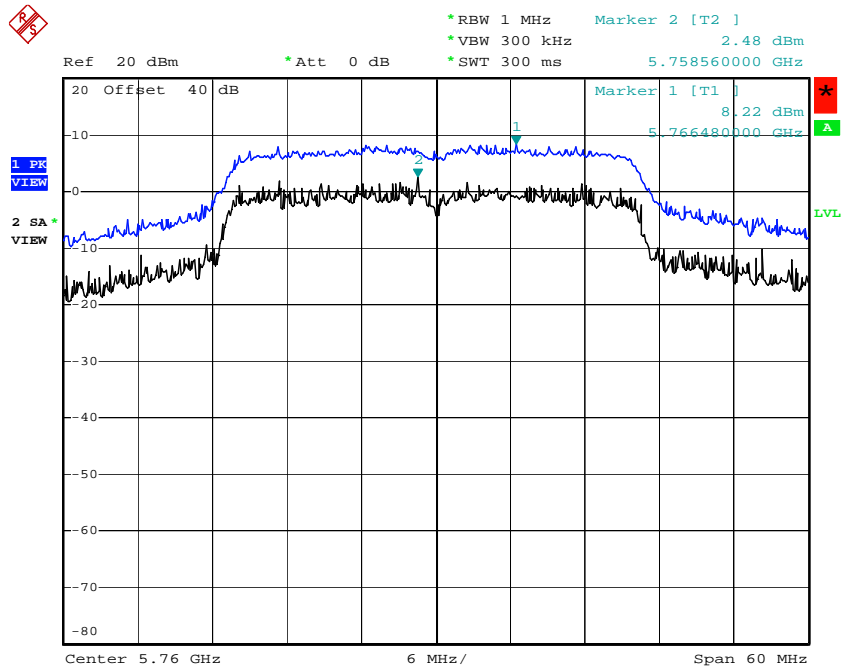


(CH 03) : 5290MHz



Date: 16.JUL.2004 04:09:39

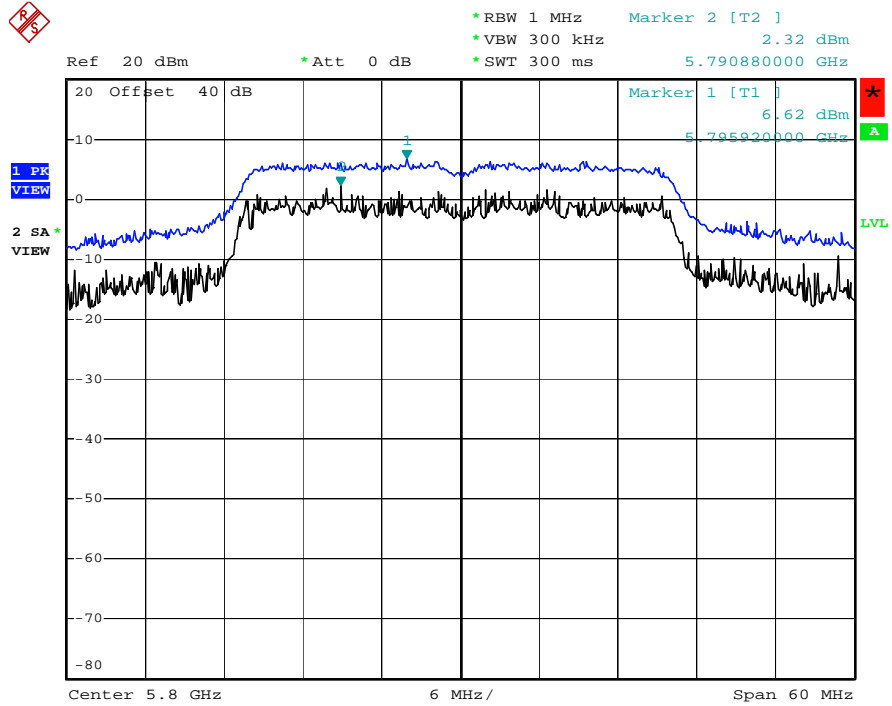
(CH 04) : 5760MHz



Date: 16.JUL.2004 05:41:30



(CH 05) : 5800MHz



Date: 16.JUL.2004 05:46:21



5.5. Test of Band Edges of the Operating Frequency

5.5.1. Measuring Instruments

Item 9 of the table on section 6.

5.5.2. Test Procedures

1. The transmitter is set to the lowest channel.
2. The transmitter output was connected to the spectrum analyzer via a cable and cable loss is used as the offset of the spectrum analyzer.
3. Set both RBW and VBW of spectrum analyzer to 1000KHz and 300Hz with convenient frequency span including 100MHz bandwidth from lower band edge.
4. The lowest band edges emission was measured and recorded.
5. The transmitter set to the highest channel and repeated 2~4.

5.5.3. Test Result

Test Result in lower band (Channel 01) :	PASS
Test Result in higher band(Channel 11) :	PASS



5.5.4. Note on Band edge Emission

(For Frequency Band 5.15~5.35GHz)

Normal Mode

(A) Left Edge

The band edge emission plot shows 46.06dB delta between carrier maximum power and local maximum emission in the restricted band.

Mode 1

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
87.90	46.06	41.84	54.00	-12.16

Mode 2

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
94.07	46.06	48.01	54.00	-5.99

Mode 3

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
89.33	46.06	43.27	54.00	-10.73



(B) Right Edge

The band edge emission plot shows 45.68dB delta between carrier maximum power and local maximum emission in the restricted band

Mode 1

CH08 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
88.10	45.68	42.42	54.00	-11.58

Mode 2

CH08 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
96.20	45.68	50.52	54.00	-3.48

Mode 3

CH08 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
94.26	45.68	48.58	54.00	-5.42

* The maximum field strength in restricted band is the emission of carrier power strength subtract to the delta between carrier maximum power and local maximum emission in the restricted band.



Turbo Mode

(A) Left Edge

The band edge emission plot shows 46.13dB delta between carrier maximum power and local maximum emission in the restricted band.

Mode 1

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
87.61	46.13	41.48	54.00	-12.52

Mode 2

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
86.20	46.13	40.07	54.00	-13.93

Mode 3

CH01 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
86.39	46.13	40.26	54.00	-13.74



(B) Right Edge

The band edge emission plot shows 43.09dB delta between carrier maximum power and local maximum emission in the restricted band.

Mode 1

CH03 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
88.51	43.09	45.42	54.00	-8.58

Mode 2

CH03 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
86.58	43.09	45.49	54.00	-10.51

Mode 3

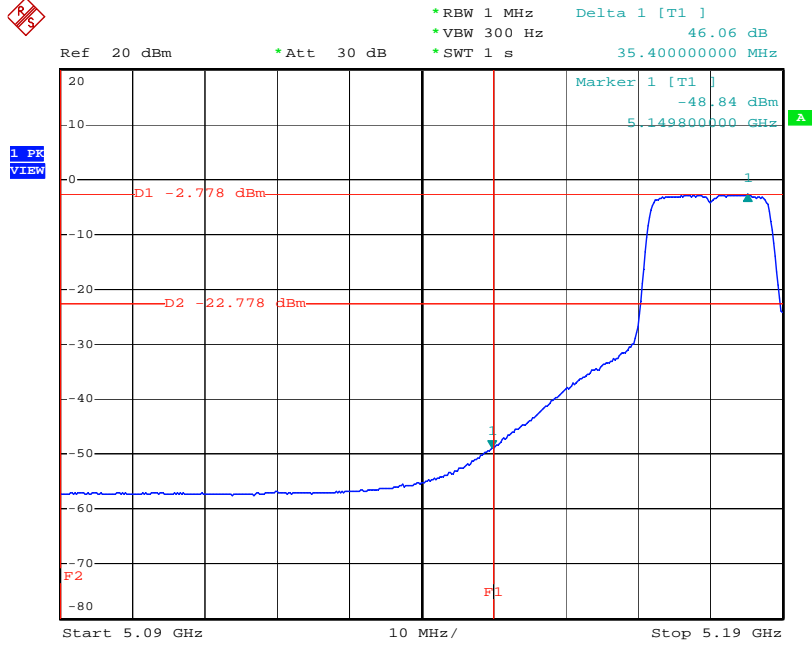
CH03 Carrier power strength (dB μ V/m)	Delta (dB)	The maximum field strength in restrict band (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
90.67	43.09	47.58	54.00	-6.42

* The maximum field strength in restricted band is the emission of carrier power strength subtract to the delta between carrier maximum power and local maximum emission in the restricted band.



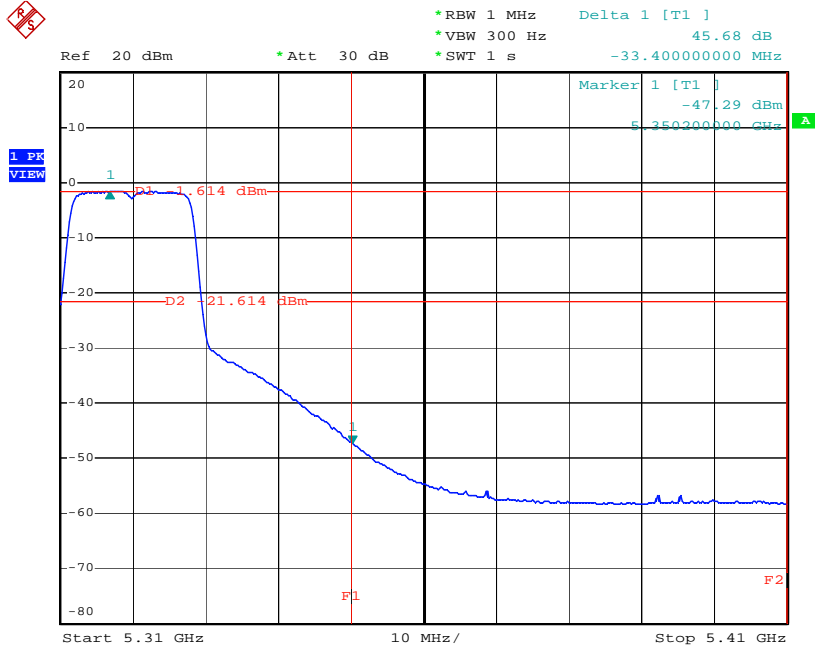
Normal Mode

(CH 01) : 5180MHz



Date: 1.JUL.2004 20:19:54

(CH 08) : 5320MHz

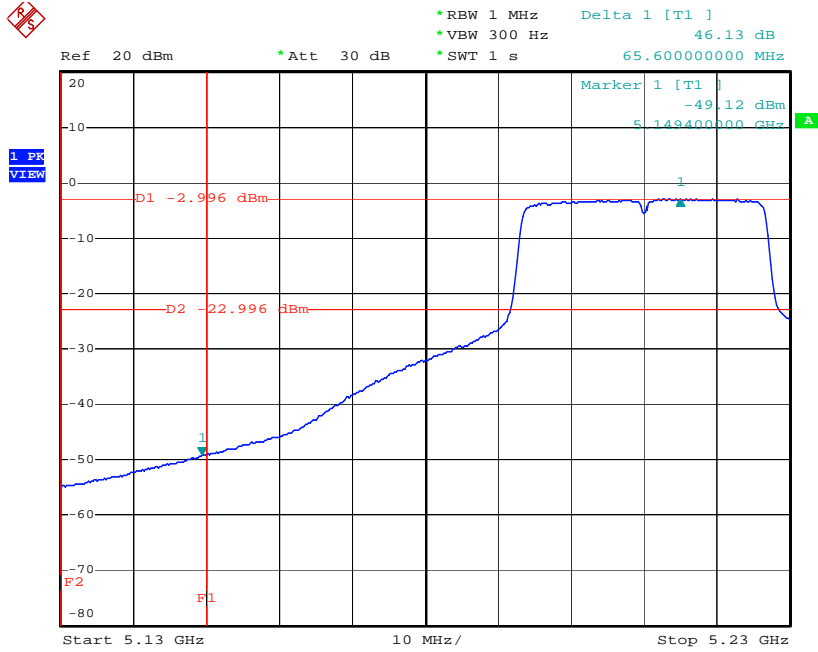


Date: 1.JUL.2004 20:42:55



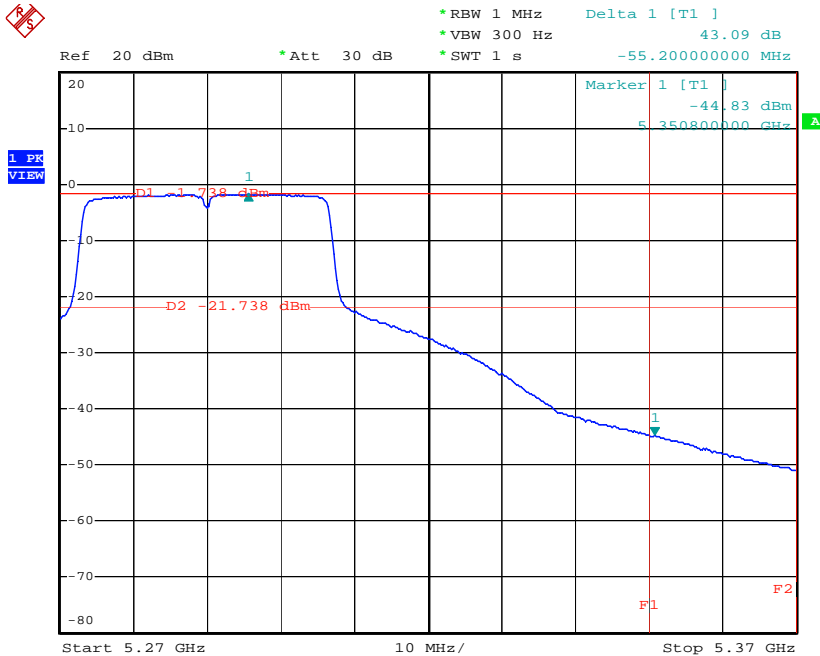
Turbo Mode

(CH 01) : 5210MHz



Date: 16.JUL.2004 04:04:54

(CH 03) : 5290MHz



Date: 16.JUL.2004 04:09:56



(For Frequency Band 5.725~5.825GHz)

Normal Mode

(A)Left Edge

Mode 1

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5724.72	-21.19	-17	-4.19
5714.40	-31.25	-27	-4.25

Mode 2

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5723.92	-19.15	-17	-2.15
5714.40	-29.22	-27	-2.22

Mode 3

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5723.92	-19.32	-17	-2.32
5714.80	-30.10	-27	-3.10



(B) Right Edge

Mode 1

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.44	-19.45	-17	-2.45
5836.24	-28.57	-27	-1.57

Mode 2

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.44	-19.15	-17	-2.15
5837.44	-27.42	-27	-0.42

Mode 3

Frequency (MHz)	The maximum EIRP power outside bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.92	-19.83	-17	-2.83
5844.88	-29.27	-27	-2.27



Turbo Mode

(A)Left Edge

Mode 1

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5724.72	-22.35	-17	-5.35
5714.16	-32.88	-27	-5.88

Mode 2

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5722.80	-20.91	-17	-3.91
5714.64	-31.04	-27	-4.04

Mode 3

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5721.92	-19.68	-17	-2.68
5714.76	-28.55	-27	-1.55



(B) Right Edge

Mode 1

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.20	-22.11	-17	-5.11
5836.72	-28.56	-27	-1.56

Mode 2

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.44	-21.67	-17	-4.67
5835.52	-28.95	-27	-1.95

Mode 3

Spurious (MHz)	Maximum EIRP outside Bandedge (dBm)	Limit (dBm)	Margin (dB)
5825.20	-18.97	-17	-1.97
5835.28	-28.03	-27	-1.03



5.6. Test of Spurious Radiated Emission

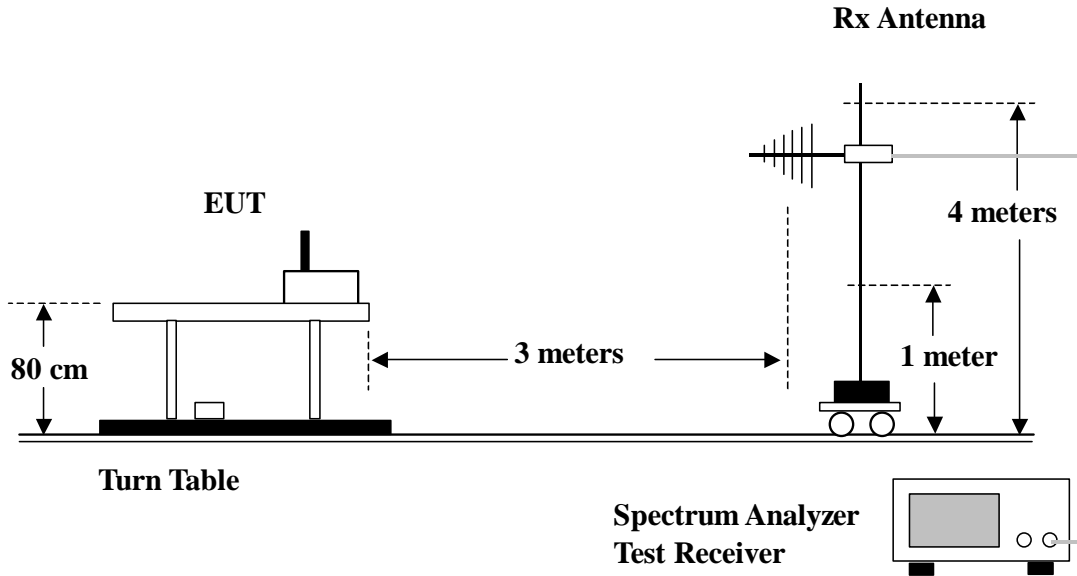
5.6.1. Measuring Instruments

Please reference item 8~19 in chapter 6 for the instruments used for testing.

5.6.2. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT was placed on the top of the turn table 0.8 meter above ground.
3. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turn table.
4. Power on the EUT and all the supporting units.
5. The turn table was rotated by 360 degrees to determine the position of the highest radiation.
6. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
7. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turn table was rotated (from 0 degree to 360 degrees) to find the maximum reading.
8. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
9. For emission above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 300Hz VBW for average reading in spectrum analyzer.
10. If the emission level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz and average method for above the 1GHz. the reported.
11. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB higher than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

5.6.3. Test Setup Layout





5.6.4. Test Results and Limit

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

Normal Mode					
Test Mode	Mode 1 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	30MHz~1GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	89.670	23.46	-20.04	43.50	40.45	9.31	1.62	27.92	Peak	---	---
2	151.550	25.89	-17.61	43.50	39.00	12.43	2.26	27.80	Peak	---	---
3	180.110	31.27	-12.23	43.50	43.02	13.56	2.43	27.74	Peak	---	---
1	359.200	39.60	-6.40	46.00	48.63	15.23	3.34	27.60	Peak	---	---
2	374.400	38.38	-7.62	46.00	47.32	15.35	3.38	27.67	Peak	---	---
3	499.200	36.05	-9.95	46.00	43.52	17.34	3.88	28.69	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 !	34.420	35.42	-4.58	40.00	49.27	13.18	1.01	28.04	Peak	---	---
2 !	54.140	36.30	-3.70	40.00	52.85	10.19	1.25	27.99	QP	108	226
3 !	180.110	38.94	-4.56	43.50	50.69	13.56	2.43	27.74	Peak	---	---
1	268.800	38.03	-7.97	46.00	49.98	12.53	2.94	27.42	Peak	---	---
2	359.200	35.48	-10.52	46.00	44.51	15.23	3.34	27.60	Peak	---	---
3	448.800	35.59	-10.41	46.00	43.62	16.50	3.71	28.24	Peak	---	---



Normal Mode					
Test Mode	Mode 1 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	38.20	-15.80	54.00	53.14	24.04	1.21	40.19	Average	102	226
2	1260.000	36.84	-17.16	54.00	51.27	24.56	1.38	40.37	Average	---	---
3	1622.000	37.20	-16.80	54.00	50.65	25.71	1.52	40.68	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	36.79	-17.21	54.00	51.73	24.04	1.21	40.19	Average	---	---
2	1438.000	35.05	-18.95	54.00	49.07	25.07	1.46	40.55	Average	---	---
3	1622.000	36.37	-17.63	54.00	49.82	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 1 CH04	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	36.08	-17.92	54.00	51.02	24.04	1.21	40.19	Average	---	---
2	1260.000	33.91	-20.09	54.00	48.34	24.56	1.38	40.37	Average	---	---
3	1438.000	35.28	-18.72	54.00	49.30	25.07	1.46	40.55	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	36.77	-17.23	54.00	51.71	24.04	1.21	40.19	Average	105	228
2	1438.000	34.23	-19.77	54.00	48.25	25.07	1.46	40.55	Average	---	---
3	1622.000	35.15	-18.85	54.00	48.60	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 1 CH08	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.46	-16.54	54.00	52.40	24.04	1.21	40.19	Average	105	258
2	1260.000	36.30	-17.70	54.00	50.73	24.56	1.38	40.37	Average	---	---
3	1526.000	35.92	-18.08	54.00	49.73	25.35	1.46	40.62	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.23	-16.77	54.00	52.17	24.04	1.21	40.19	Average	---	---
2	1260.000	33.46	-20.54	54.00	47.89	24.56	1.38	40.37	Average	---	---
3	1438.000	32.80	-21.20	54.00	46.82	25.07	1.46	40.55	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 1 CH09	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1260.000	40.04	-13.96	54.00	56.61	24.56	1.38	42.51	Average	---	---
2	1438.000	40.34	-13.66	54.00	56.39	25.07	1.46	42.58	Average	---	---
3	1798.000	40.82	-13.18	54.00	55.54	26.36	1.58	42.66	Average	---	---
1	3828.000	41.56	-12.44	54.00	50.85	32.25	2.06	43.60	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.11	-14.89	54.00	56.30	24.04	1.21	42.44	Average	---	---
2	1348.000	38.23	-15.77	54.00	54.61	24.81	1.35	42.54	Average	---	---
3	1438.000	43.01	-10.99	54.00	59.06	25.07	1.46	42.58	Average	105	171

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 1 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	36.15	-17.85	54.00	51.09	24.04	1.21	40.19	Average	---	---
2	1260.000	33.88	-20.12	54.00	48.31	24.56	1.38	40.37	Average	---	---
3	1622.000	35.19	-18.81	54.00	48.64	25.71	1.52	40.68	Average	---	---
1	3868.000	47.61	-6.39	54.00	54.49	32.37	2.20	41.45	Average	105	218
1	11606.000	57.68	-16.32	74.00	54.02	39.22	4.65	40.21	Peak	---	---
2	11606.000	46.94	-7.06	54.00	43.28	39.22	4.65	40.21	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	36.04	-17.96	54.00	50.98	24.04	1.21	40.19	Average	---	---
2	1438.000	33.55	-20.45	54.00	47.57	25.07	1.46	40.55	Average	---	---
3	1622.000	35.44	-18.56	54.00	48.89	25.71	1.52	40.68	Average	---	---
1	3868.000	47.27	-6.73	54.00	54.15	32.37	2.20	41.45	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 1 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

Remark: There is no spurious emission on this polarization.

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.71	-20.29	54.00	50.90	24.04	1.21	42.44	Average	---	---
2	1260.000	34.18	-19.82	54.00	50.75	24.56	1.38	42.51	Average	---	---
3	1438.000	34.96	-19.04	54.00	51.01	25.07	1.46	42.58	Average	107	181

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 1 CH02	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.64	-20.36	54.00	50.83	24.04	1.21	42.44	Average	---	---
2	1892.000	35.43	-18.57	54.00	49.82	26.71	1.58	42.68	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	32.92	-21.08	54.00	50.11	24.04	1.21	42.44	Average	---	---
2	1260.000	34.28	-19.72	54.00	50.85	24.56	1.38	42.51	Average	---	---
3	1438.000	35.55	-18.45	54.00	51.60	25.07	1.46	42.58	Average	103	219

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 1 CH03	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	32.66	-21.34	54.00	49.85	24.04	1.21	42.44	Average	---	---
2	1620.000	35.20	-18.80	54.00	50.61	25.70	1.52	42.63	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.87	-20.13	54.00	51.06	24.04	1.21	42.44	Average	---	---
2	1260.000	34.07	-19.93	54.00	50.64	24.56	1.38	42.51	Average	---	---
3	1438.000	35.27	-18.73	54.00	51.32	25.07	1.46	42.58	Average	102	126

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 1 CH04	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

Remark: There is no spurious emission on this polarization.

(A) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	34.03	-19.97	54.00	51.22	24.04	1.21	42.44	Average	---	---
2	1260.000	34.18	-19.82	54.00	50.75	24.56	1.38	42.51	Average	---	---
3	1438.000	34.50	-19.50	54.00	50.55	25.07	1.46	42.58	Average	104	145

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 1 CH05	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

Remark: There is no spurious emission on this polarization.

(A) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	34.10	-19.90	54.00	51.29	24.04	1.21	42.44	Average	---	---
2	1260.000	34.86	-19.14	54.00	51.43	24.56	1.38	42.51	Average	---	---
3	1438.000	35.33	-18.67	54.00	51.38	25.07	1.46	42.58	Average	105	126

5.6.5.

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

Normal Mode					
Test Mode	Mode 2 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	30MHz~1GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	89.670	25.46	-18.04	43.50	42.45	9.31	1.62	27.92	Peak	---	---
2	151.550	24.89	-18.61	43.50	38.00	12.43	2.26	27.80	Peak	---	---
3	179.940	30.24	-13.26	43.50	42.00	13.55	2.43	27.74	Peak	---	---
1	268.800	34.93	-11.07	46.00	46.88	12.53	2.94	27.42	Peak	---	---
2	359.200	37.60	-8.40	46.00	46.63	15.23	3.34	27.60	Peak	---	---
3	374.400	39.38	-6.62	46.00	48.32	15.35	3.38	27.67	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	34.420	34.42	-5.58	40.00	48.27	13.18	1.01	28.04	Peak	---	---
2	54.990	33.49	-6.51	40.00	50.01	10.21	1.26	27.99	Peak	---	---
3	179.940	37.44	-6.06	43.50	49.20	13.55	2.43	27.74	Peak	112	217
1	268.800	39.03	-6.97	46.00	50.98	12.53	2.94	27.42	Peak	---	---
2	359.200	36.48	-9.52	46.00	45.51	15.23	3.34	27.60	Peak	---	---
3	448.800	36.59	-9.41	46.00	44.62	16.50	3.71	28.24	Peak	---	---



Normal Mode					
Test Mode	Mode 2 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.20	-14.80	54.00	54.14	24.04	1.21	40.19	Average	105	220
2	1260.000	35.84	-18.16	54.00	50.27	24.56	1.38	40.37	Average	---	---
3	1622.000	37.20	-16.80	54.00	50.65	25.71	1.52	40.68	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	35.79	-18.21	54.00	50.73	24.04	1.21	40.19	Average	---	---
2	1438.000	36.05	-17.95	54.00	50.07	25.07	1.46	40.55	Average	---	---
3	1622.000	37.37	-16.63	54.00	50.82	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 2 CH04	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1076.000	35.15	-18.85	54.00	50.10	24.04	1.20	40.19	Average	---	---
2	1438.000	37.28	-16.72	54.00	51.30	25.07	1.46	40.55	Average	---	---
3	1708.000	35.45	-18.55	54.00	48.66	26.03	1.49	40.73	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.77	-16.23	54.00	52.71	24.04	1.21	40.19	Average	105	218
2	1494.000	33.88	-20.12	54.00	47.79	25.23	1.46	40.60	Average	---	---
3	1622.000	36.15	-17.85	54.00	49.60	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 2 CH08	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.46	-14.54	54.00	54.40	24.04	1.21	40.19	Average	107	218
2	1260.000	36.30	-17.70	54.00	50.73	24.56	1.38	40.37	Average	---	---
3	1526.000	37.92	-16.08	54.00	51.73	25.35	1.46	40.62	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	38.23	-15.77	54.00	53.17	24.04	1.21	40.19	Average	---	---
2	1260.000	34.46	-19.54	54.00	48.89	24.56	1.38	40.37	Average	---	---
3	1438.000	32.80	-21.20	54.00	46.82	25.07	1.46	40.55	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 2 CH09	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.59	-14.41	54.00	56.78	24.04	1.21	42.44	Average	---	---
2	1438.000	43.98	-10.02	54.00	60.03	25.07	1.46	42.58	Average	106	184
3	2252.000	39.26	-14.74	54.00	52.41	27.78	1.72	42.65	Average	---	---
1	3828.000	43.19	-10.81	54.00	52.48	32.25	2.06	43.60	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1438.000	39.06	-14.94	54.00	55.11	25.07	1.46	42.58	Average	---	---
2	1798.000	35.80	-18.20	54.00	50.52	26.36	1.58	42.66	Average	---	---
3	2252.000	35.70	-18.30	54.00	48.85	27.78	1.72	42.65	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 2 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.15	-16.85	54.00	52.09	24.04	1.21	40.19	Average	---	---
2	1260.000	35.88	-18.12	54.00	50.31	24.56	1.38	40.37	Average	---	---
3	1622.000	36.19	-17.81	54.00	49.64	25.71	1.52	40.68	Average	---	---
1	3870.000	47.00	-7.00	54.00	53.98	32.37	2.10	41.45	Average	---	---
1	11606.000	57.68	-16.32	74.00	54.02	39.22	4.65	40.21	Peak	---	---
2	11606.000	45.77	-8.23	54.00	42.11	39.22	4.65	40.21	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1076.000	35.35	-18.65	54.00	50.30	24.04	1.20	40.19	Average	---	---
2	1438.000	34.55	-19.45	54.00	48.57	25.07	1.46	40.55	Average	---	---
3	1622.000	36.44	-17.56	54.00	49.89	25.71	1.52	40.68	Average	---	---
1	3868.000	48.27	-5.73	54.00	55.15	32.37	2.20	41.45	Average	102	215

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 2 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	32.90	-21.10	54.00	50.09	24.04	1.21	42.44	Average	---	---
2	1886.000	36.34	-17.66	54.00	50.75	26.69	1.58	42.68	Average	102	226

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1438.000	35.15	-18.85	54.00	51.20	25.07	1.46	42.58	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 2 CH02	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1260.000	33.15	-20.85	54.00	49.72	24.56	1.38	42.51	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.67	-20.33	54.00	50.86	24.04	1.21	42.44	Average	---	---
2	1260.000	33.85	-20.15	54.00	50.42	24.56	1.38	42.51	Average	101	149
3	1438.000	33.84	-20.16	54.00	49.89	25.07	1.46	42.58	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 2 CH03	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	32.82	-21.18	54.00	50.01	24.04	1.21	42.44	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.80	-20.20	54.00	50.99	24.04	1.21	42.44	Average	---	---
2	1260.000	34.67	-19.33	54.00	51.24	24.56	1.38	42.51	Average	---	---
3	1438.000	36.30	-17.70	54.00	52.35	25.07	1.46	42.58	Average	105	217

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 2 CH04	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	32.88	-21.12	54.00	50.07	24.04	1.21	42.44	Average	---	---
2	1438.000	33.11	-20.89	54.00	49.16	25.07	1.46	42.58	Average	---	---
3	1798.000	35.86	-18.14	54.00	50.58	26.36	1.58	42.66	Average	102	219

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.31	-20.69	54.00	50.50	24.04	1.21	42.44	Average	---	---
2	1260.000	34.97	-19.03	54.00	51.54	24.56	1.38	42.51	Average	---	---
3	1438.000	35.77	-18.23	54.00	51.82	25.07	1.46	42.58	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 2 CH05	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.88	-20.12	54.00	51.07	24.04	1.21	42.44	Average	---	---
2	1438.000	33.78	-20.22	54.00	49.83	25.07	1.46	42.58	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	34.20	-19.80	54.00	51.39	24.04	1.21	42.44	Average	---	---
2	1260.000	33.91	-20.09	54.00	50.48	24.56	1.38	42.51	Average	---	---
3	1438.000	35.50	-18.50	54.00	51.55	25.07	1.46	42.58	Average	105	216

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

Normal Mode					
Test Mode	Mode 3 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	30MHz~1GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	143.390	24.36	-19.14	43.50	38.10	11.96	2.11	27.81	Peak	---	---
2	148.150	24.08	-19.42	43.50	37.38	12.27	2.23	27.80	Peak	---	---
3	180.110	27.72	-15.78	43.50	39.47	13.56	2.43	27.74	Peak	---	---
1	359.200	34.58	-11.42	46.00	43.61	15.23	3.34	27.60	Peak	---	---
2	374.400	35.36	-10.64	46.00	44.30	15.35	3.38	27.67	Peak	---	---
3	900.000	36.02	-9.98	46.00	37.90	21.08	5.34	28.30	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	34.420	32.96	-7.04	40.00	46.81	13.18	1.01	28.04	Peak	128	131
2	98.340	32.56	-10.94	43.50	49.06	9.65	1.75	27.90	Peak	---	---
3	180.110	34.12	-9.38	43.50	45.87	13.56	2.43	27.74	Peak	---	---
1	249.600	36.34	-9.66	46.00	48.63	12.38	2.83	27.50	Peak	---	---
2	374.400	34.95	-11.05	46.00	43.89	15.35	3.38	27.67	Peak	---	---
3	720.000	34.50	-11.50	46.00	38.58	19.88	4.76	28.72	Peak	---	---



Normal Mode					
Test Mode	Mode 3 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	38.04	-15.96	54.00	52.98	24.04	1.21	40.19	Average	---	---
2	1438.000	37.35	-16.65	54.00	51.37	25.07	1.46	40.55	Average	---	---
3	1886.000	35.71	-18.29	54.00	48.28	26.69	1.58	40.84	Average	---	---
1	10366.000	51.51	-22.49	74.00	47.57	39.35	4.01	39.42	Peak	---	---
2	10366.000	38.45	-15.55	54.00	34.51	39.35	4.01	39.42	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.30	-14.70	54.00	54.24	24.04	1.21	40.19	Average	103	113
2	1260.000	37.22	-16.78	54.00	51.65	24.56	1.38	40.37	Average	---	---
3	1622.000	36.85	-17.15	54.00	50.30	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 3 Ch04	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.09	-16.91	54.00	52.03	24.04	1.21	40.19	Average	---	---
2	1438.000	38.04	-15.96	54.00	52.06	25.07	1.46	40.55	Average	---	---
3	1622.000	37.12	-16.88	54.00	50.57	25.71	1.52	40.68	Average	---	---
1	3492.000	43.67	-10.33	54.00	51.70	31.30	1.97	41.30	Average	---	---
1	10476.000	50.90	-23.10	74.00	47.49	39.48	3.33	39.40	Peak	---	---
2	10476.000	37.96	-16.04	54.00	34.55	39.48	3.33	39.40	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.13	-14.87	54.00	54.07	24.04	1.21	40.19	Average	---	---
2	1260.000	37.50	-16.50	54.00	51.93	24.56	1.38	40.37	Average	---	---
3	1622.000	37.09	-16.91	54.00	50.54	25.71	1.52	40.68	Average	---	---
1	3492.000	43.99	-10.01	54.00	52.02	31.30	1.97	41.30	Average	107	197
1	10476.000	52.50	-21.50	74.00	49.09	39.48	3.33	39.40	Peak	---	---
2	10476.000	39.58	-14.42	54.00	36.17	39.48	3.33	39.40	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 3 CH08	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.84	-16.16	54.00	52.78	24.04	1.21	40.19	Average	---	---
2	1438.000	37.47	-16.53	54.00	51.49	25.07	1.46	40.55	Average	---	---
3	1622.000	35.11	-18.89	54.00	48.56	25.71	1.52	40.68	Average	---	---
1	3542.000	42.45	-11.55	54.00	50.21	31.44	2.12	41.32	Average	---	---
1	10646.000	54.39	-19.61	74.00	50.23	39.41	4.12	39.37	Peak	---	---
2	10646.000	41.84	-12.16	54.00	37.68	39.41	4.12	39.37	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.35	-14.65	54.00	54.29	24.04	1.21	40.19	Average	---	---
2	1260.000	37.58	-16.42	54.00	52.01	24.56	1.38	40.37	Average	---	---
3	1622.000	36.76	-17.24	54.00	50.21	25.71	1.52	40.68	Average	---	---
1	3542.000	46.04	-7.96	54.00	53.80	31.44	2.12	41.32	Average	105	185
1	10644.000	56.30	-17.70	74.00	52.15	39.41	4.11	39.37	Peak	---	---
2	10644.000	43.64	-10.36	54.00	39.49	39.41	4.11	39.37	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 3 CH09	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.34	-34.66	74.00	56.53	24.04	1.21	42.44	Average	---	---
2	1348.000	38.18	-35.82	74.00	54.56	24.81	1.35	42.54	Average	---	---
3	1438.000	42.70	-31.30	74.00	58.75	25.07	1.46	42.58	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1260.000	37.97	-16.03	54.00	54.54	24.56	1.38	42.51	Average	---	---
2	1438.000	40.47	-13.53	54.00	56.52	25.07	1.46	42.58	Average	102	185
3	1886.000	36.60	-17.40	54.00	51.01	26.69	1.58	42.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Normal Mode					
Test Mode	Mode 3 CH12	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	37.45	-16.55	54.00	52.39	24.04	1.21	40.19	Average	---	---
2	1438.000	36.98	-17.02	54.00	51.00	25.07	1.46	40.55	Average	---	---
3	1892.000	35.88	-18.12	54.00	48.43	26.71	1.58	40.84	Average	---	---
1	3868.000	50.97	-3.03	54.00	57.85	32.37	2.20	41.45	Average	106	112

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	38.98	-15.02	54.00	53.92	24.04	1.21	40.19	Average	---	---
2	1260.000	37.10	-16.90	54.00	51.53	24.56	1.38	40.37	Average	---	---
3	1438.000	36.20	-17.80	54.00	50.22	25.07	1.46	40.55	Average	---	---
1	3868.000	48.28	-5.72	54.00	55.16	32.37	2.20	41.45	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 3 CH01	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

Remark: There is no spurious emission on this polarization.

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	39.30	-14.70	54.00	54.24	24.04	1.21	40.19	Average	103	113
2	1260.000	37.22	-16.78	54.00	51.65	24.56	1.38	40.37	Average	---	---
3	1622.000	36.85	-17.15	54.00	50.30	25.71	1.52	40.68	Average	---	---

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 3 CH02	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1076.000	32.08	-21.92	54.00	49.27	24.04	1.20	42.43	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1438.000	35.33	-18.67	54.00	51.38	25.07	1.46	42.58	Average	102	126

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.



Turbo Mode					
Test Mode	Mode 3 CH03	Temperature	26 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~40GHz	Humidity	64%		

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1390.000	33.32	-20.68	54.00	49.55	24.93	1.40	42.56	Average	---	---
2	1622.000	33.73	-20.27	54.00	49.13	25.71	1.52	42.63	Average	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1078.000	33.18	-20.82	54.00	50.37	24.04	1.21	42.44	Average	---	---
2	1260.000	34.28	-19.72	54.00	50.85	24.56	1.38	42.51	Average	---	---
3	1438.000	34.85	-19.15	54.00	50.90	25.07	1.46	42.58	Average	105	185

Remark: Spurious on higher frequency band, the emission emitted by the EUT is too low to be measured.