FCC Test Report

for

47 CFR, Part 15 Subpart E

Equipment	:	**Notebook PC**
Trade Name	:	**MTC; GETAC**
Model No.	:	**B300**
FCC ID	:	**MAU300**
Filing Type	:	**Certification**
Applicant	:	**MiTAC Technology Corp.**
		9th. FL., No.75, Ming Sheng E. Rd., Sec.3, Taipei, Taiwan

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- The data shown in this test report were carried out on Jan. 09, 2008 at **Sporton International Inc. LAB.**
- Report No.: FR7O1819-B, Report Version: Rev.01.

Jones Tsai
Manager

SPORTON International Inc.
6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

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Report Issue Date: Jan. 09, 2008

Report No.	Description

1. General Description of Equipment under Test

1.1 Applicant

MiTAC Technology Corp.
9th. FL., No.75, Ming Sheng E. Rd., Sec.3, Taipei, Taiwan

1.2 Manufacturer

GeTAC Technology(Kunshan) LTD.
No.269, 2nd Road, Export Processing Zone, Changjiang South Road, Kunshan, Jiangsu, P.R.C

1.3 Basic Description of Equipment under Test

Equipment		Notebook PC
Trade Name		MTC; GETAC
Model Name		B300
FCC ID		MAU300
AC Adapter	**Brand Name**	Delta
	Model Name	ADP-90SB BB
	Power Rating	I/P : 100-240Vac, 1.5A, 50-60Hz; O/P : 19Vdc, 4.74A
	AC Power Cord Type	1.73meter shielded with ferrite core
Battery	**Brand Name**	SAYNO
	Model Name	BP3S3P2550(P)
	Rating	10.8V, 7.65Ah
	Type	Li-ion

Remark: Above EUT's information was declared by manufacturer. Please refer to the specifications of manufacturer or User's Manual for more detailed features description.

1.4 Feature of Equipment under Test

Product Feature & Specification				
1. DUT Type	Notebook PC			
2. Trade Name	MTC; GETAC			
3. Model Name	B300			
4. Freq. Range/Carrier Freqs.	802.11a : 5150 ~ 5350MHz (Band I,II) / 5725MHz ~ 5850MHz (Band III) 802.11b/g : 2400MHz ~ 2483.5MHz 802.11n : 5150 ~ 5350MHz (Band I,II) / 5725MHz ~ 5850MHz (Band III) BT : 2400MHz ~ 2483.5MHz			
5. Number of Channels	802.11a : 8 (Band I and II) / 5 Channels (Band III) 802.11b/g : 11 802.11n : 36-48, 149-165 BT : 79			
6. Carrier Frequency of each channel	802.11a,11n Band I : 5000+n*5 MHz, n=36, 40, 44, 48 802.11a,11n Band II : 5000+n*5 MHz, n=52, 56, 60, 64 802.11a,11n Band III : 5000+n*5 MHz, n=149, 153, 157, 161, 165 802.11b/g : 2412MHz+(n-1)*5MHz, n=1~11 BT : 2402MHz+n*1MHz, n=0~78			
7. Channel Spacing	802.11a : 5 MHz 802.11b/g : 5 MHz Bluetooth : 1 MHz			
8. Type of Antenna Connector	N/A			
9. Antenna Type	WLAN : PIFA Antenna Bluetooth : PIFA Antenna			
10. Antenna Gain	WLAN : 1.55 dBi Bluetooth : -1.09 dBi			
11. Maximum Output Power to Antenna (Normal condition)	802.11b : 14.66 dBm 802.11g : 21.66 dBm 802.11a : 16.98 dBm (Band I) / 17.86 dBm (Band II) / 21.09 dBm (Band III) 802.11n (g) : 23.94 dBm 802.11n (a) : 16.77 dBm (Band I, BW 20M) 16.84 dBm (Band I, BW 40M) 19.55 dBm (Band II, BW 20M) 16.81 dBm (Band II, BW 40M) 24.83 dBm (Band III, BW 20M) 21.89 dBm (Band III, BW 40M) Bluetooth : -0.21 dBm			
12. Modulation Type/Data Rate	WLAN : DSSS / OFDM Bluetooth : GFSK			
13. Function Type	Transmitter		Transceiver	V

1.5 Specification of Notebook

	Mode 1 (E100)	Mode 3 (E100N)
LCD	L5S30348P01, 13.1" XGA, ESPON	Sanyo Panel + Sunlight readable L5S30348P01, 13.3", EPSON,
CPU	L7300	L7500
ODD	SUPER MULIT DVD R9 DEVICE;UJ850UPK-AG,CS F/W:1.6,W/O BEZEL,KME	
HDD	MHY2080BH,2.5",80GB,5400RPM,SATA,FUJITSU	MHY2120BH,2.5",120GB,5400RPM,SATA,FUJITSU
Memory	1GB,HYS64T128021EDL-3S-B2,QIMONDA	HYMP512S64CP8-Y5,DDR2 667 1G,HYNIX (x 2)
Battery	BP3S3P2550(P) LI-ION,10.8V/7.65AH,BQ20z90,PAN,9CELLS,3S3P	
ADP	Delta ADP-90SB BB	Delta ADP-90SB BB
MDC	RD02-D330,AZALIA,BILLIONTON	
WLAN	Intel wireless 4965 802.11a/g/n (MOW1)	Intel wireless 4965 802.11a/g/n (MOW2)
Bluetooth	Billionton GUBTCR42M	
GPS	ET313,GPS ENGINE BOARD,GLOBALSAT,GPI	

2. Test Configuration of Equipment under Test

2.1 Test Manner

a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

b. Power Table as below:

Normal mode :

Channel		Frequency (MHz)	Data Rate							
			6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Normal mode	CH 036	5180 MHz	21.08	20.07	20.15	20.84	21.16	20.96	19.95	18.10
	CH 044	5220 MHz	22.55	22.43	22.33	22.49	22.65	22.64	21.58	20.74
	CH 048	5240 MHz	19.88	20.35	20.24	20.47	21.46	20.62	20.08	18.15
	CH 052	5260 MHz	20.04	21.67	21.67	20.44	22.08	21.85	20.54	18.28
	CH 060	5300 MHz	22.02	22.37	21.83	21.69	21.74	21.5	21.14	19.9
	CH 064	5320 MHz	21.41	21.78	21.77	21.69	22.00	21.42	19.78	18.51

11n(a) 20M mode :

Channel		Frequency (MHz)	Data Rate							
			6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
11n(a) 20M	CH 036	5180 MHz	23.11	24.25	24.08	23.70	24.23	25.33	25.87	23.66
	CH 044	5220 MHz	24.56	25.5	24.71	24.87	24.54	24.97	25.81	24.54
	CH 048	5240 MHz	22.18	21.88	23.32	22.30	23.48	22.71	22.81	23.14
	CH 052	5260 MHz	23.68	23.17	22.30	22.25	23.92	23.10	23.66	23.33
	CH 060	5300 MHz	24.52	25.17	24.41	24.32	24.95	24.62	24.99	25.05
	CH 064	5320 MHz	23.55	21.96	22.41	22.46	22.12	22.82	22.33	22.53

11n(a) 40M mode :

Channel		Frequency (MHz)	Data Rate							
			6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
11n(a) 40M	CH 038	5190 MHz	22.40	22.95	22.83	21.76	22.80	22.62	21.83	22.83
	CH 046	5230 MHz	22.59	23.06	22.42	22.75	22.31	22.7	22.46	22.38
	CH 054	5270 MHz	21.32	22.50	22.29	21.82	22.85	21.78	21.29	22.19
	CH 062	5310 MHz	20.68	20.66	19.68	19.84	19.85	20.40	21.84	21.49

c. The data rates, 24Mbps, was chosen to being tested in normal mode, and 48Mbps was chosen to being tested in 802.11n(a) BW 20M mode, and 9Mbps was chosen to being tested in 802.11n(a) BW 40M mode, due to the highest RF output power.

d. The complete test system refers to section 2.2 and EUT for EMI test.

e. The EUT can operate on 5150MHz to 5250MHz, 5250MHz to 5350MHz as listed in section 1.4.

f. Test Mode for radiated emission and conducted emission:

Application		
Radiated Emission	802.11a	
	Mode 1: CH036_5180 MHz	
	Mode 2: CH044_5220 MHz	
	Mode 3: CH048_5240 MHz	
	Mode 4: CH052_5260 MHz	
	Mode 5: CH060_5300 MHz	
	Mode 6: CH064_5320 MHz	
	802.11n(a) (BW 20M)	802.11n(a) (BW 40M)
	Mode 7: CH036_5180 MHz	Mode 13: CH038_5190 MHz
	Mode 8: CH044_5220 MHz	Mode 14: CH046_5230 MHz
	Mode 9: CH048_5240 MHz	Mode 15: CH054_5270 MHz
	Mode 10: CH052_5260 MHz	Mode 16: CH062_5310 MHz
	Mode 11: CH060_5300 MHz	
	Mode 12: CH064_5320 MHz	
Conducted Emission	Mode 1: BT Link + WLAN Link Mode + Adapter	

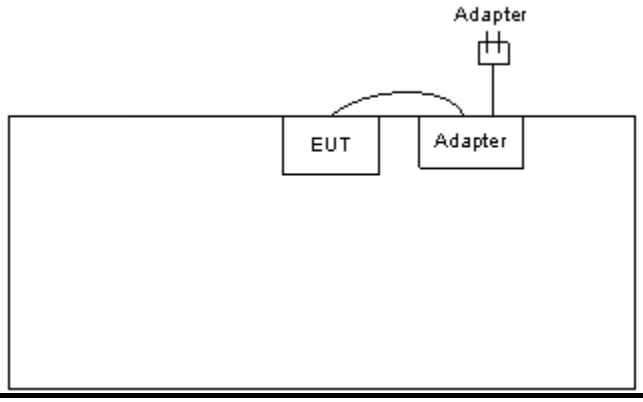
g. Frequency range investigated: conduction 150 KHz to 30 MHz, radiation 30 MHz to 40000MHz.

2.2 Description of Test System

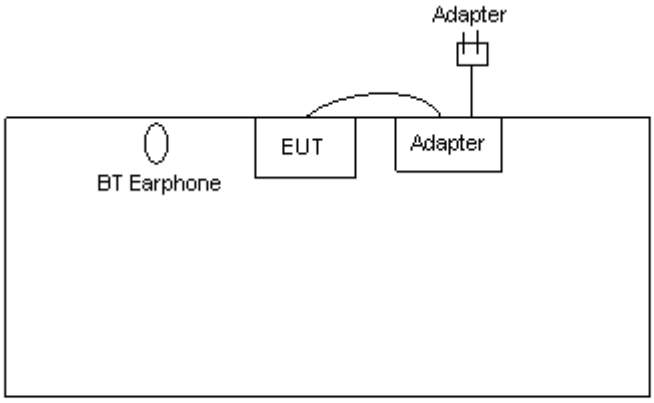
Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable / Power Cord
1.	Bluetooth Earphone	Engotech	ET-BH111	PQY471087	N/A

2.3 Connection Diagram of Test System

<Radiated Emission>



<Conducted Emission>



3. Operation of Equipment under Test

The programmed RF Utility is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing.

4. General Information of Test

Test Site Location	:	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 : 886-3-328-4978
Test Site No	:	CO04-HY, 03CH04-HY

4.1 Test Voltage

AC 120V / 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2003

4.3 Test in Compliance

FCC Part 15, Subpart E

4.4 Frequency Range

a. Conduction: from 150 kHz to 30 MHz
b. Radiation: from 9KHz to 40GHz

4.5 Test Distance

The test distance of radiated emission from antenna to EUT is 3 M.

5. Report of Measurements and Examinations

5.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.407(b)(5)	Conducted Emission	Pass
15.407(a)(1)(2)	Peak Transmit Power	Pass
15.407(b)(1)(2)(5)	Radiated Emission	Pass
15.407(a)(1)(2)	Power Spectral Density	Pass
15.407(b)(1)(2)	Band Edges Measurement	Pass
15.407(a)(1)(2)	Antenna Requirement	Pass
15.407(a)(6)	Peak Excursion Ratio Measurement	Pass
15.407(c)	Automatically Discontinue Transmission	Pass

5.2 Emission Bandwidth

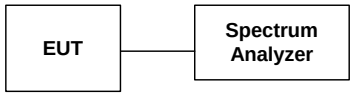
5.2.1 Measuring Instruments

As described in chapter 6 of this test report.

5.2.2 Test Procedure

The transmitter output is connected to the spectrum analyzer. For these tests, the resolution bandwidth is 1 MHz, video bandwidth is 3MHz, peak detection and view function is used. The 26 dB bandwidth is defined as the frequency range where the power is higher than the peak power minus 26 dB.

5.2.3 Test Setup Layout



5.2.4 Test Result

- Temperature : 25~26℃
- Relative Humidity : 49~51%
- Test Engineer : CKC

➢ **802.11a Normal mode**

Channel	Frequency (MHz)	26dB Emission bandwidth (MHz)	Plot Ref. No.
36	5180	25.38	Mode 1
44	5220	23.40	Mode 2
48	5240	23.76	Mode 3
52	5260	23.76	Mode 4
60	5300	23.28	Mode 5
64	5320	24.00	Mode 6

➢ **802.11n(a) BW 20M mode**

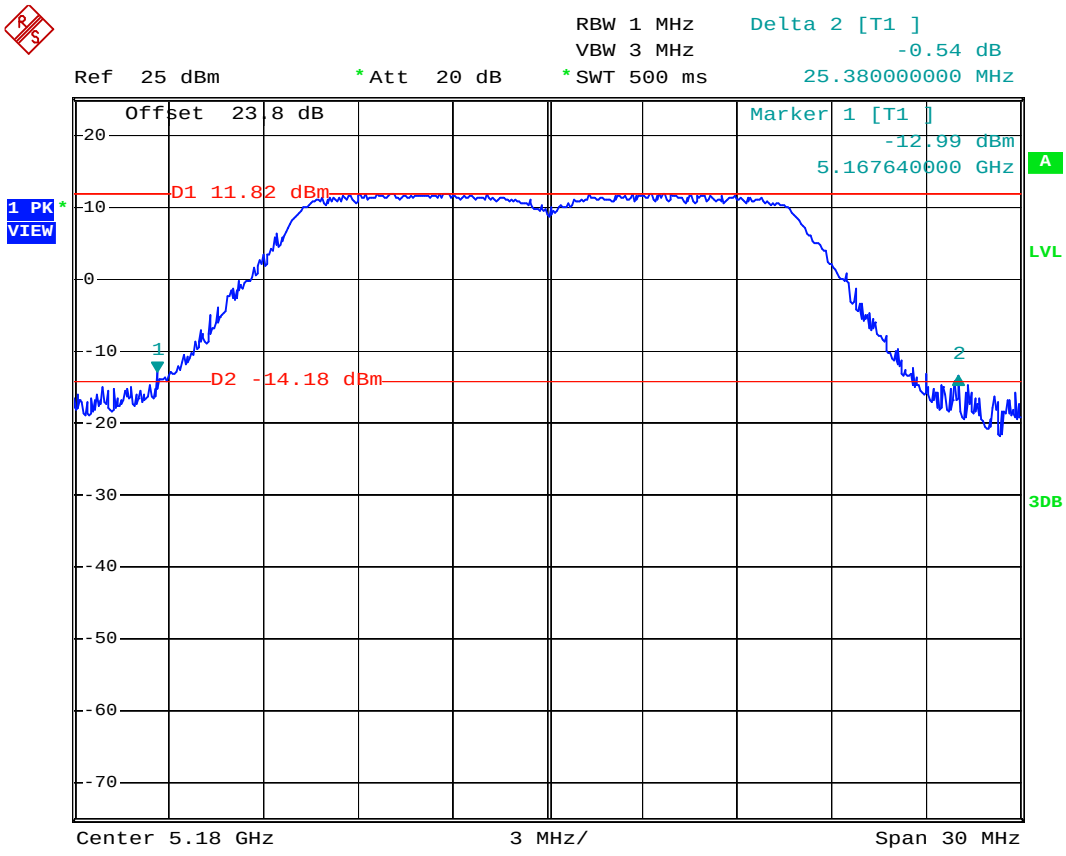
Channel	Frequency (MHz)	26dB Emission bandwidth (MHz)	Plot Ref. No.
36	5180	23.70	Mode 7
40	5220	23.94	Mode 8
48	5240	23.58	Mode 9
52	5260	23.64	Mode 10
60	5300	24.00	Mode 11
64	5320	23.88	Mode 12

➢ **802.11n(a) BW 40M mode**

Channel	Frequency (MHz)	26dB Emission bandwidth (MHz)	Plot Ref. No.
38	5190	40.92	Mode 13
46	5230	41.64	Mode 14
54	5270	40.92	Mode 15
62	5310	41.04	Mode 16

5.2.5 Test Data

Mode 1



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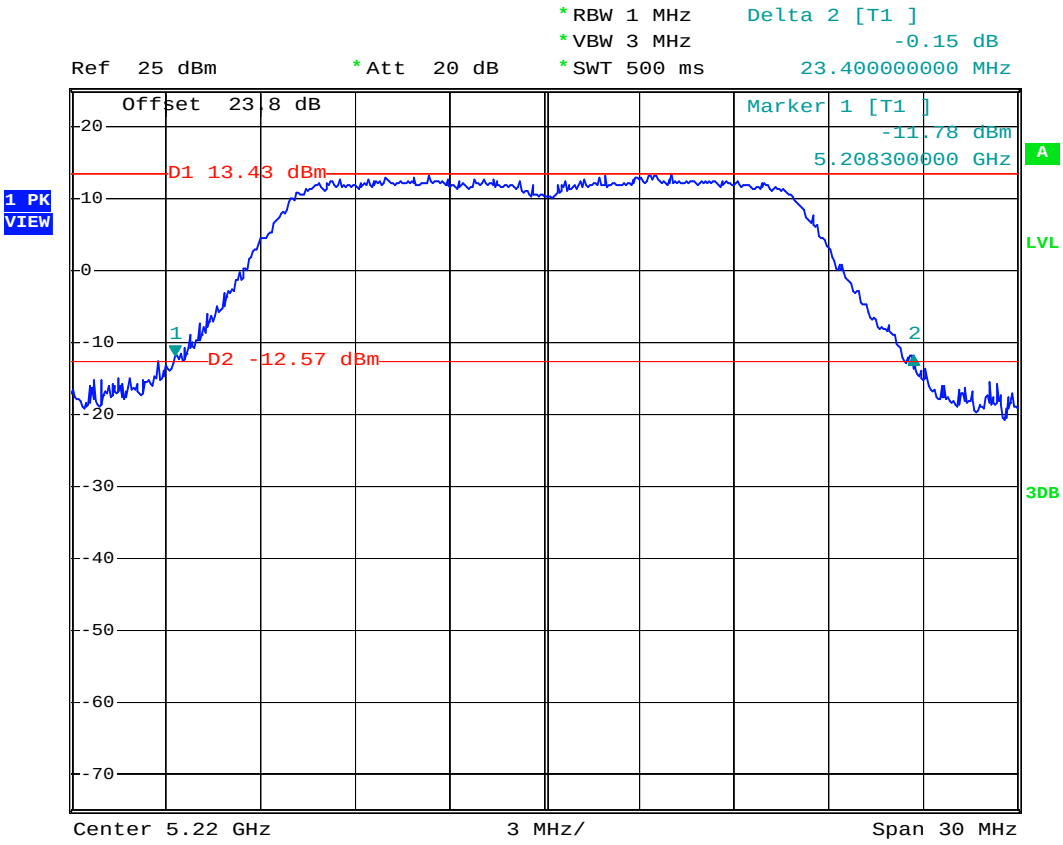
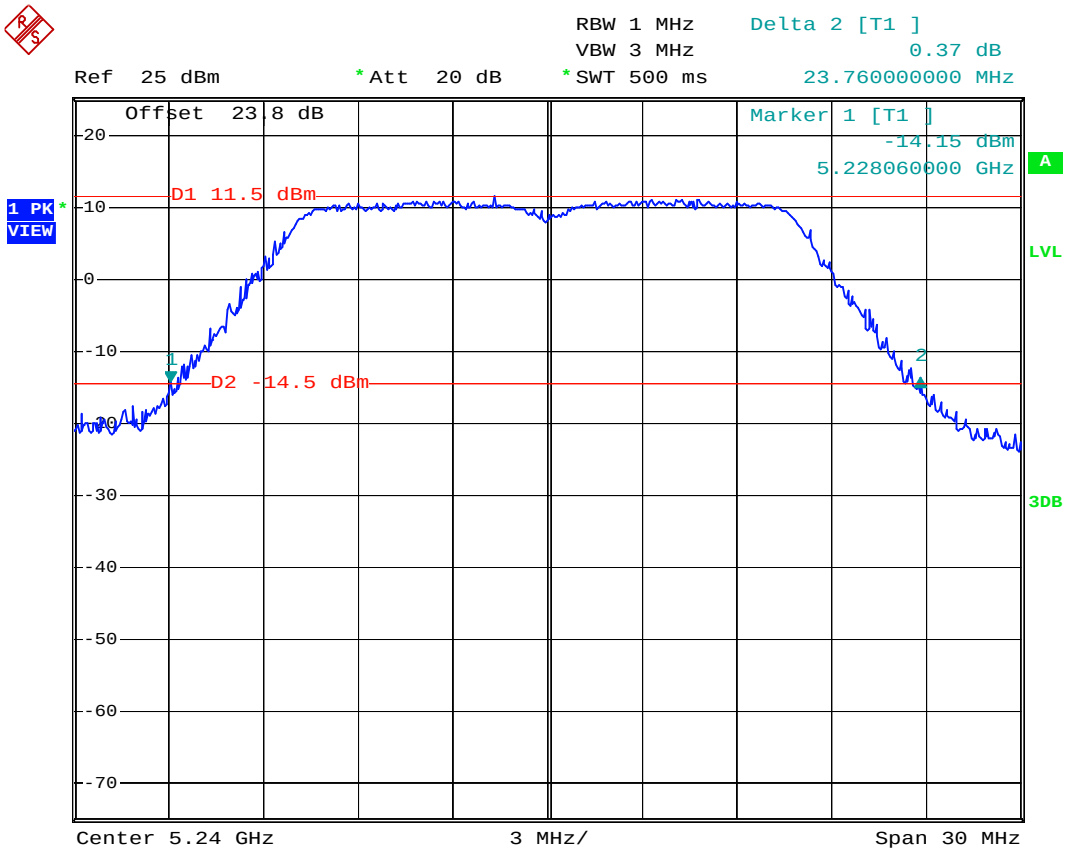
Mode 2


*RBW 1 MHz
*VBW 3 MHz
*SWT 500 ms
Delta 2 [T1]
-0.15 dB
23.400000000 MHz
Ref 25 dBm
*Att 20 dB
Offset 23.8 dB
Marker 1 [T1]
-11.78 dBm
5.208300000 GHz
D1 13.43 dBm
D2 -12.57 dBm
1 PK VIEW
A
LVL
3DB
Center 5.22 GHz
3 MHz/
Span 30 MHz
Date: 5.JAN.2008 00:24:08

Mode 3



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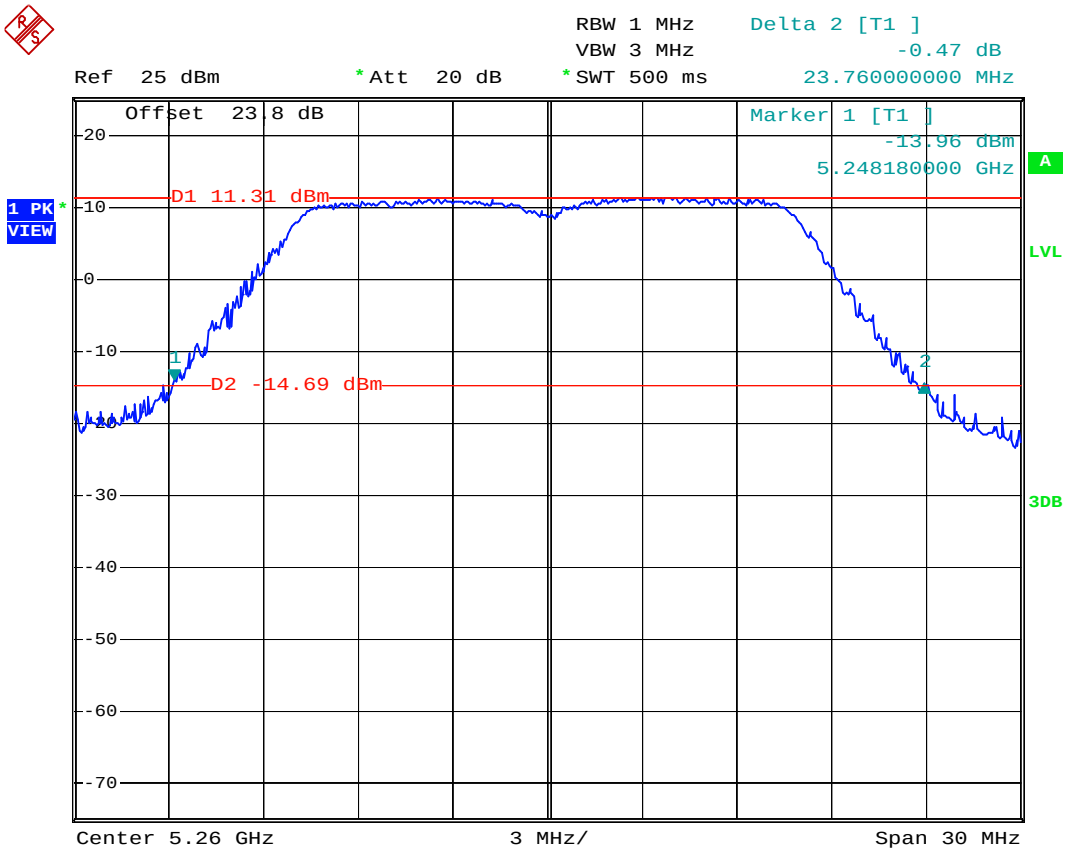
Mode 4



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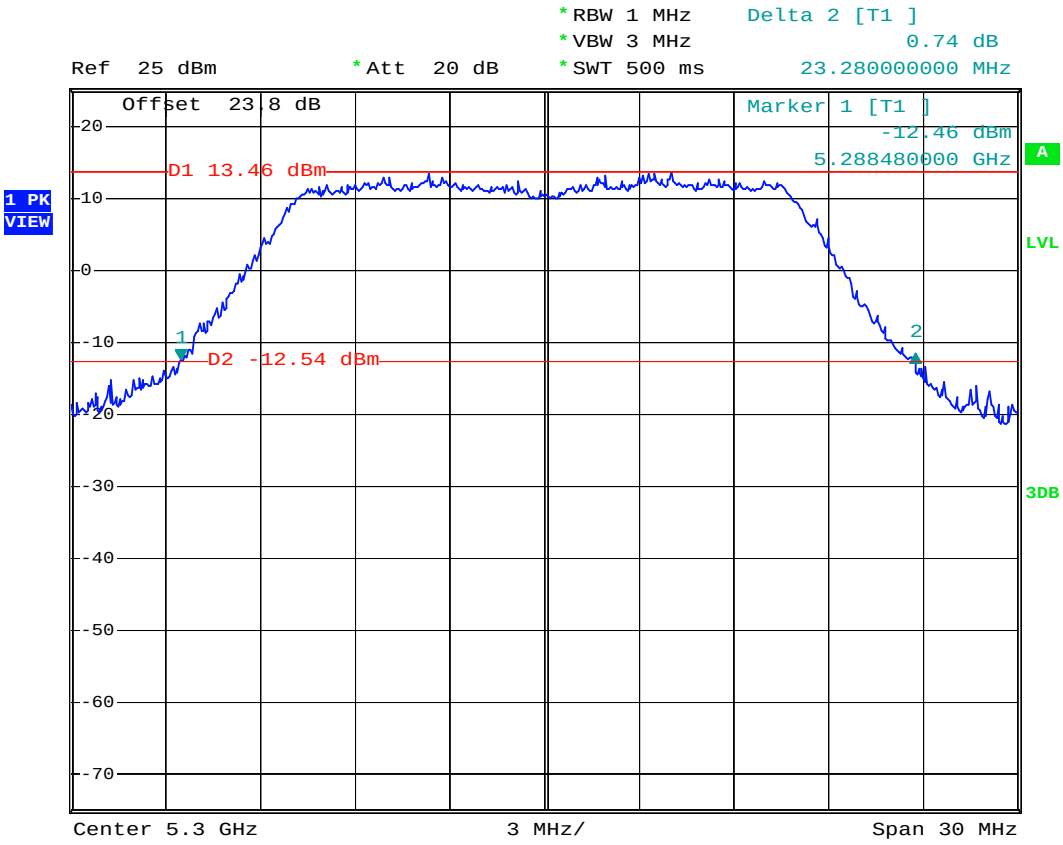
Mode 5



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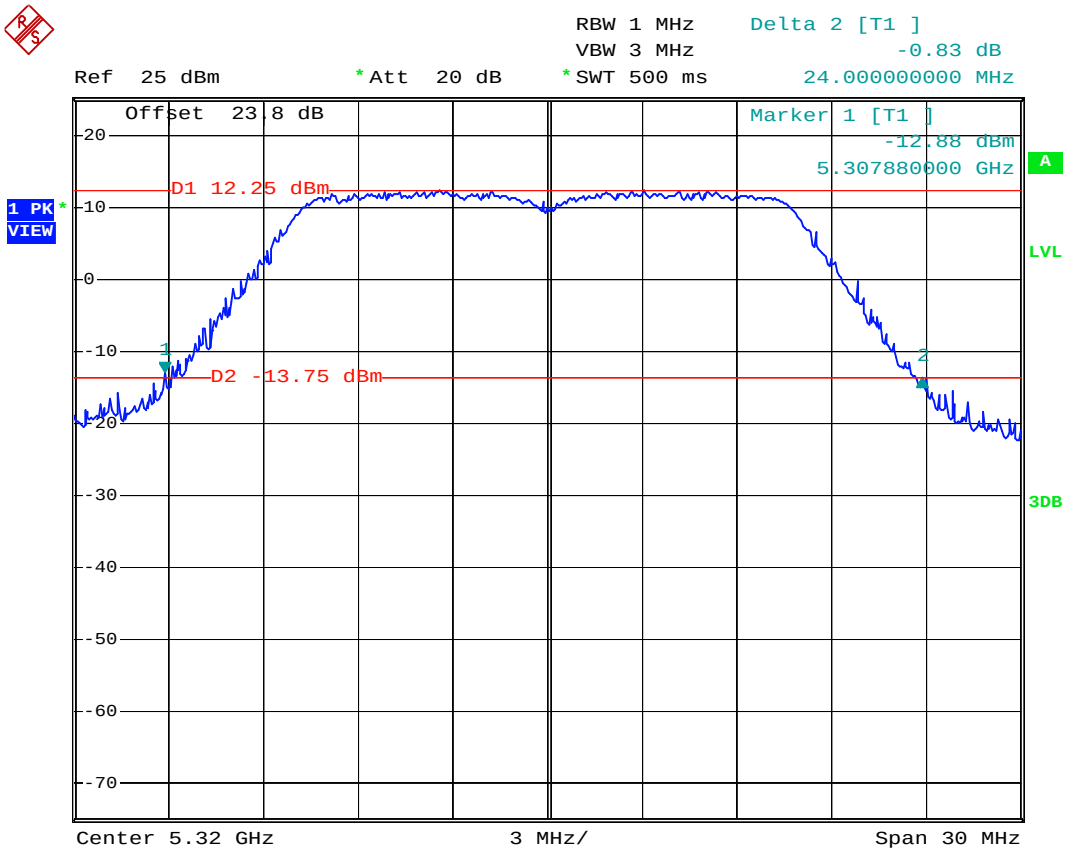
Mode 6



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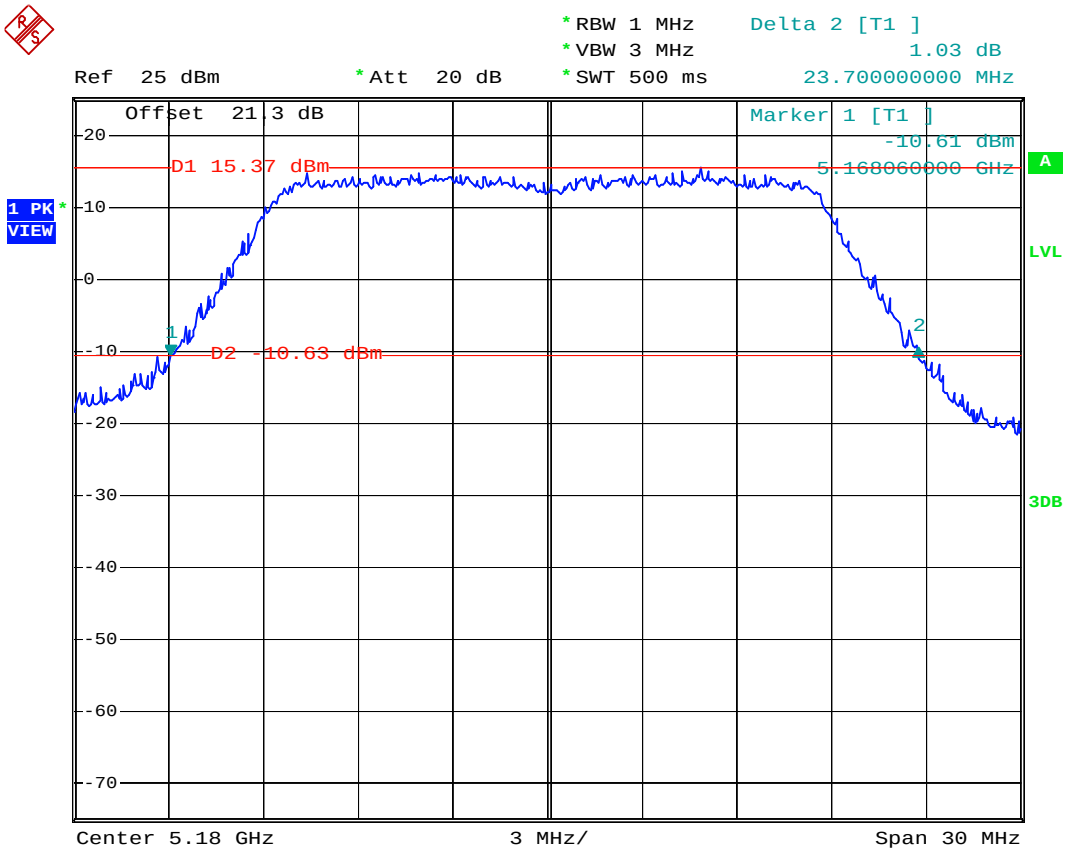
Mode 7



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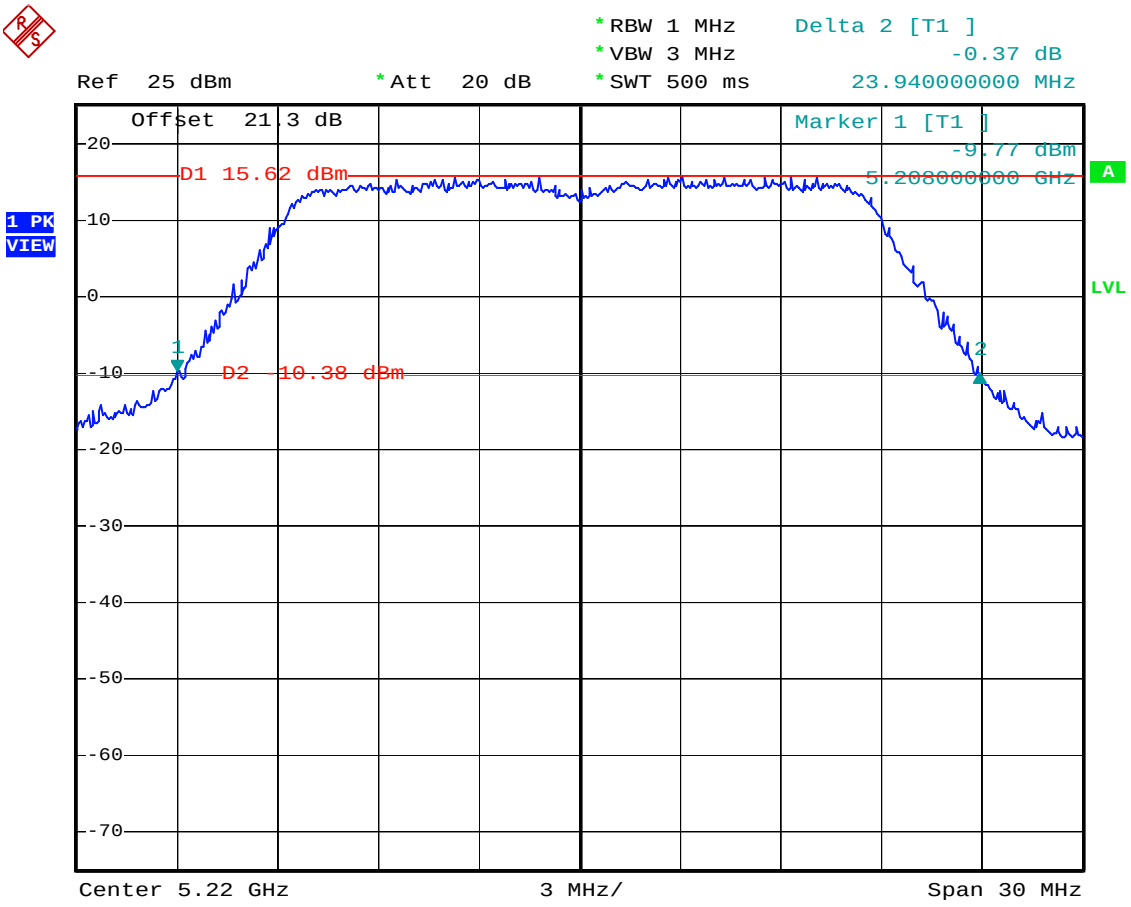
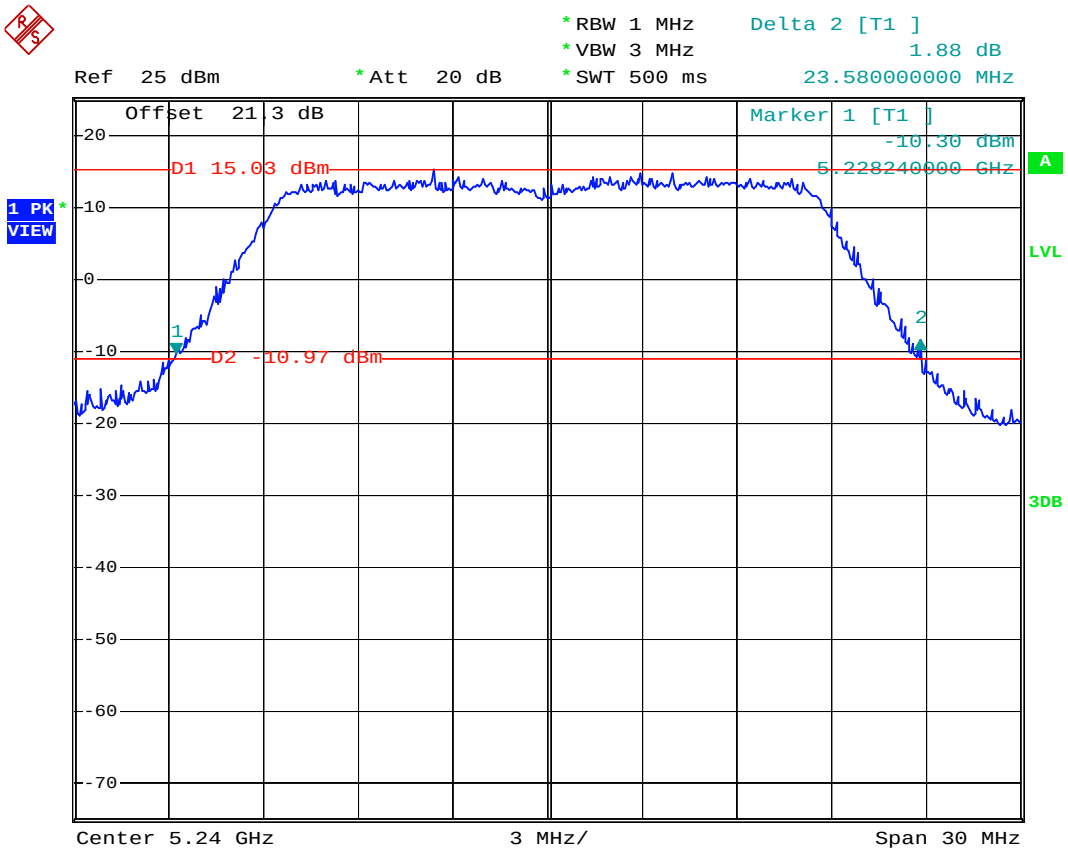
Mode 8



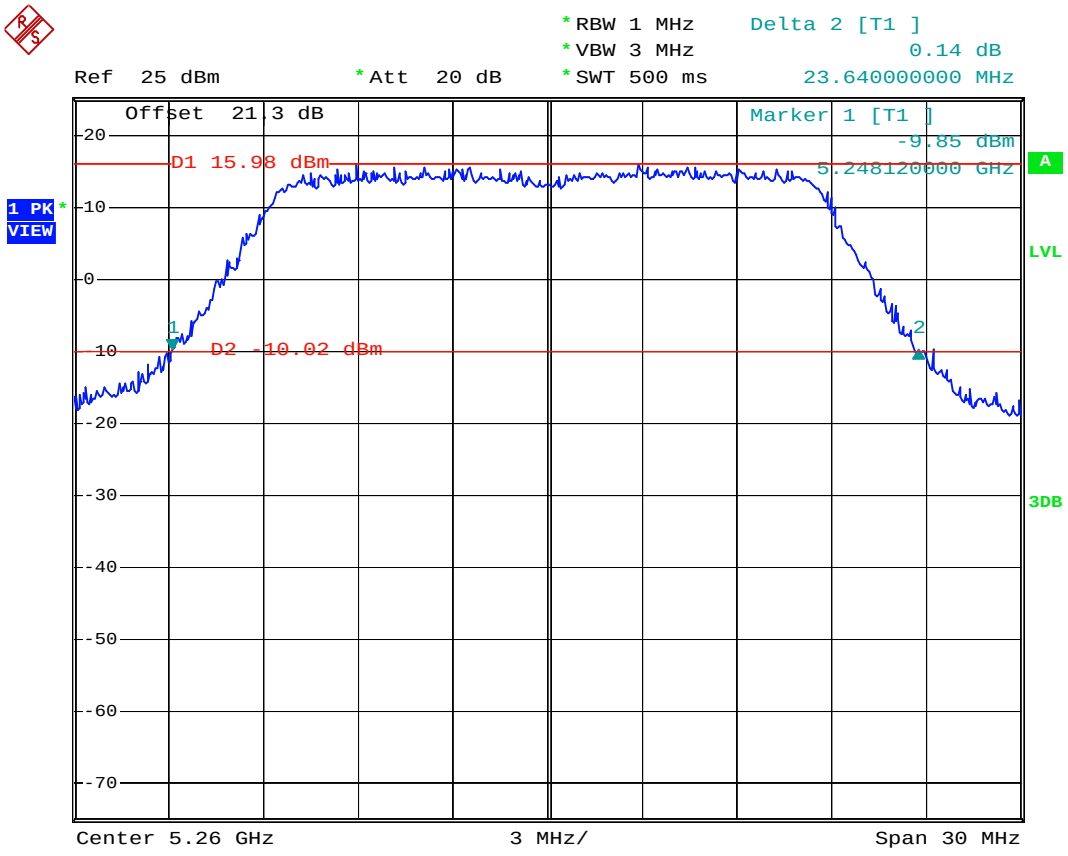
Date: 7.JAN.2008 17:40:17

Mode 9



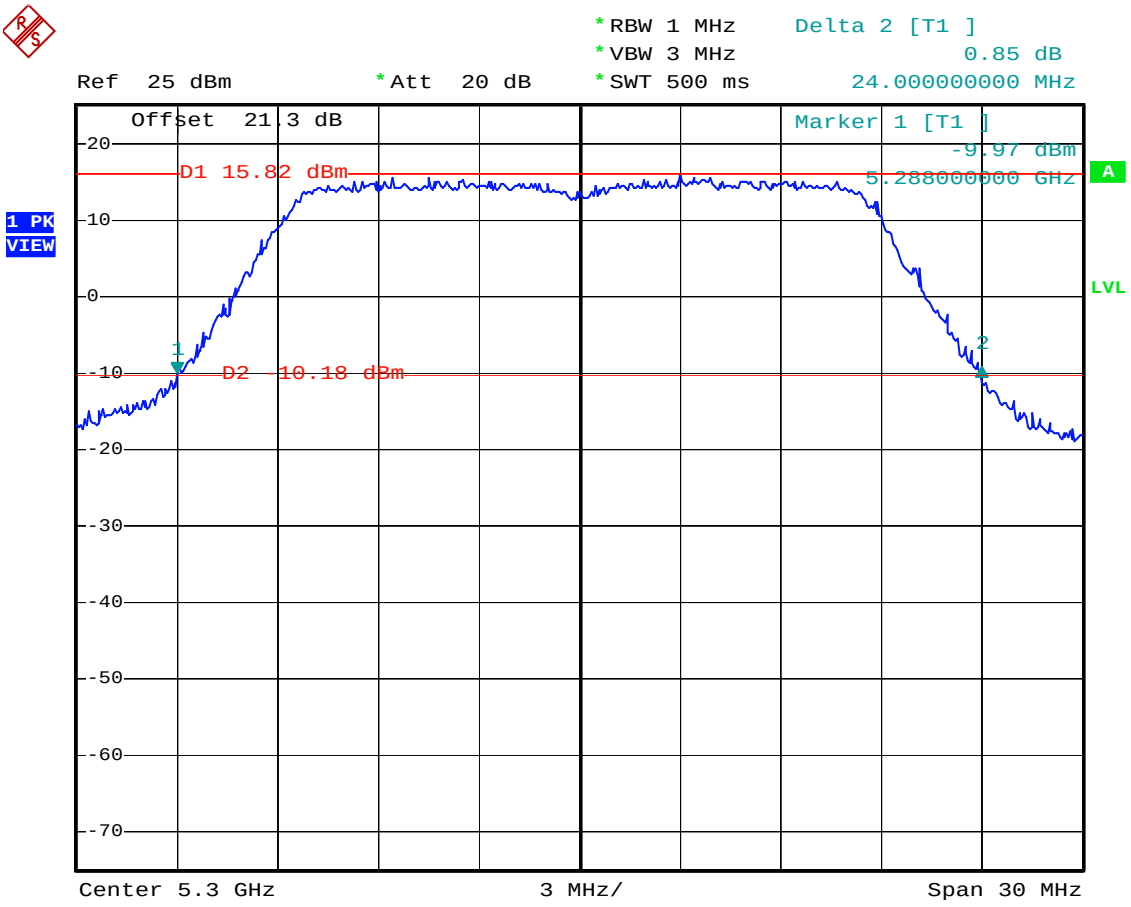
Date: 8.NOV.2007 10:17:08

Mode 10



Date: 8.NOV.2007 10:23:13

Mode 11



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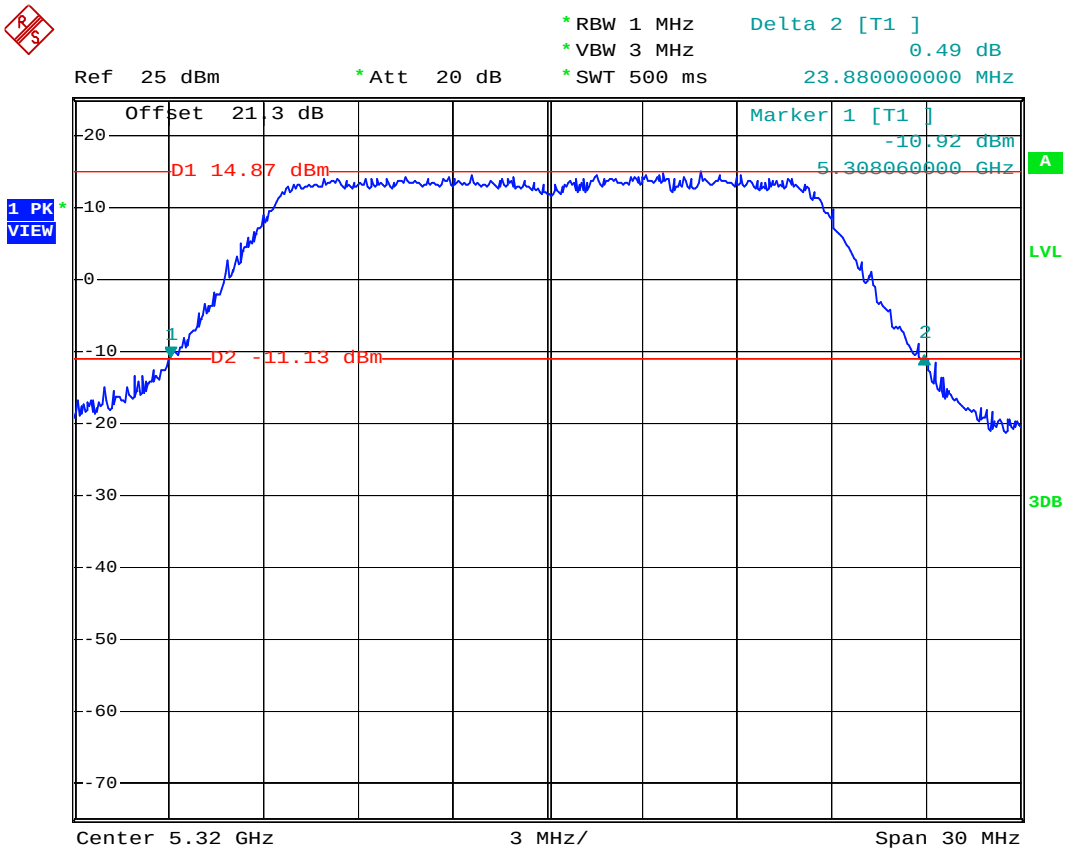
Mode 12



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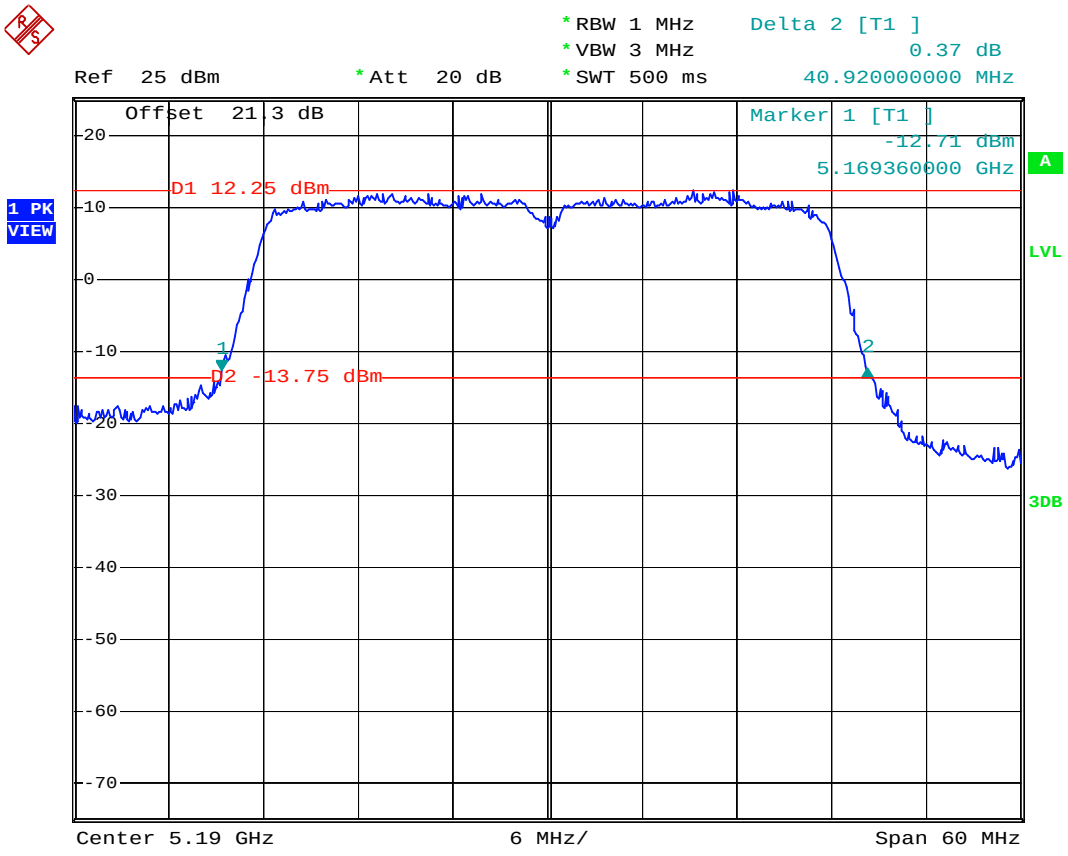
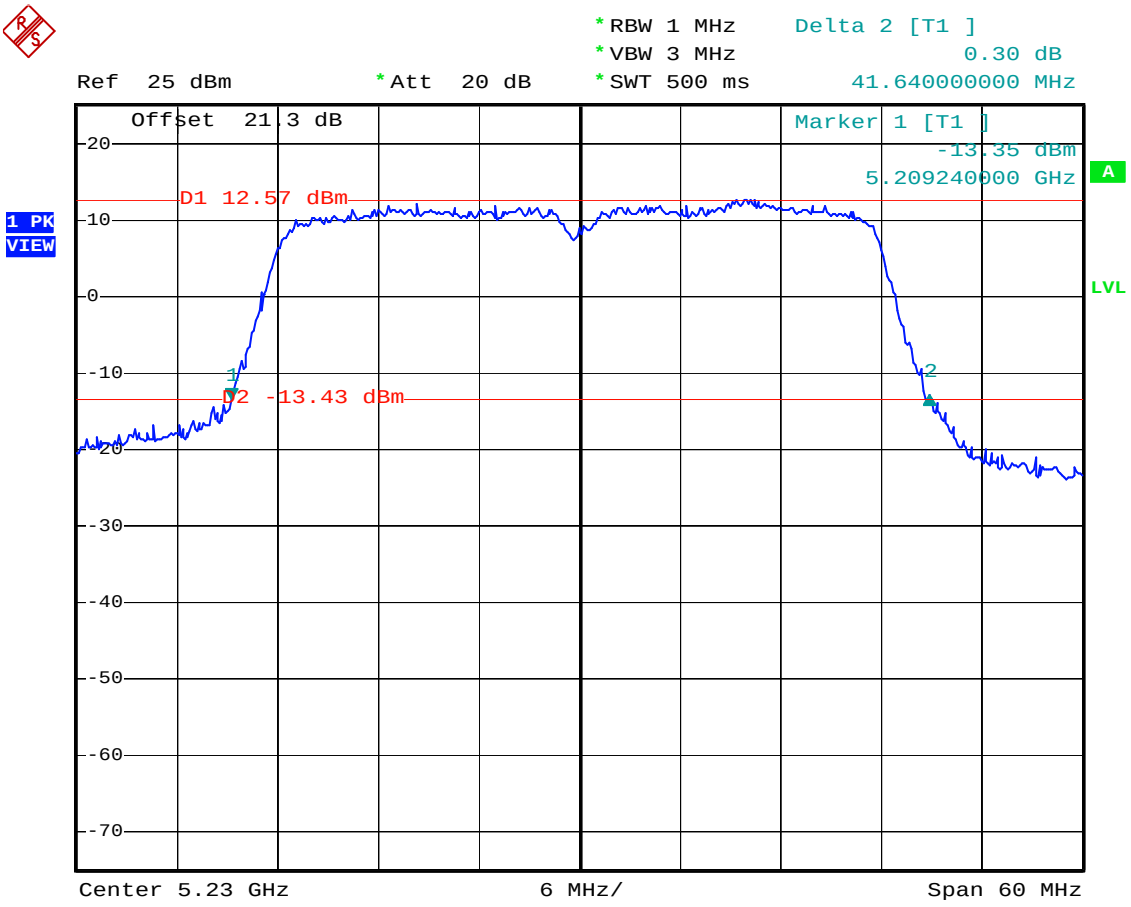
Mode 13

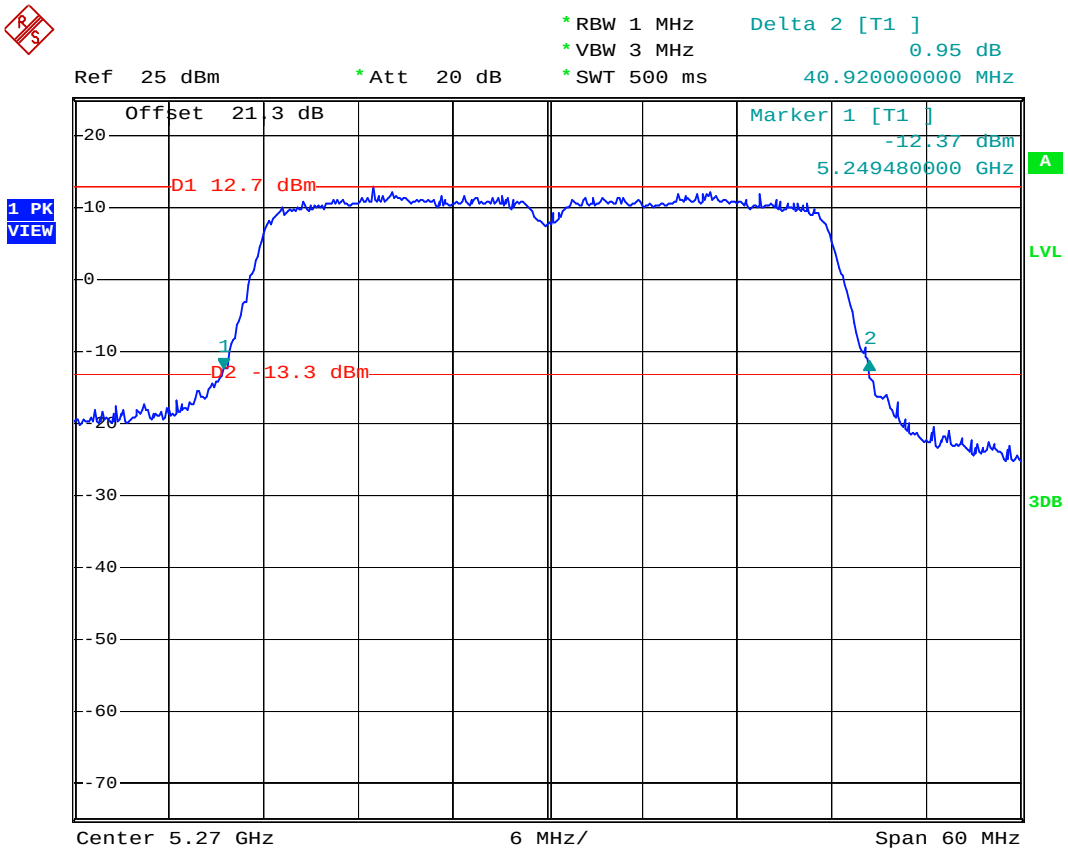

RBW 1 MHz
VBW 3 MHz
SWT 500 ms
Delta 2 [T1]
0.37 dB
40.920000000 MHz
Ref 25 dBm
Att 20 dB
Offset 21.3 dB
Marker 1 [T1]
-12.71 dBm
5.169360000 GHz
D1 12.25 dBm
D2 -13.75 dBm
1 PK VIEW
A
LVL
3DB
Center 5.19 GHz
6 MHz/
Span 60 MHz
Date: 9.NOV.2007 11:19:30

Mode 14

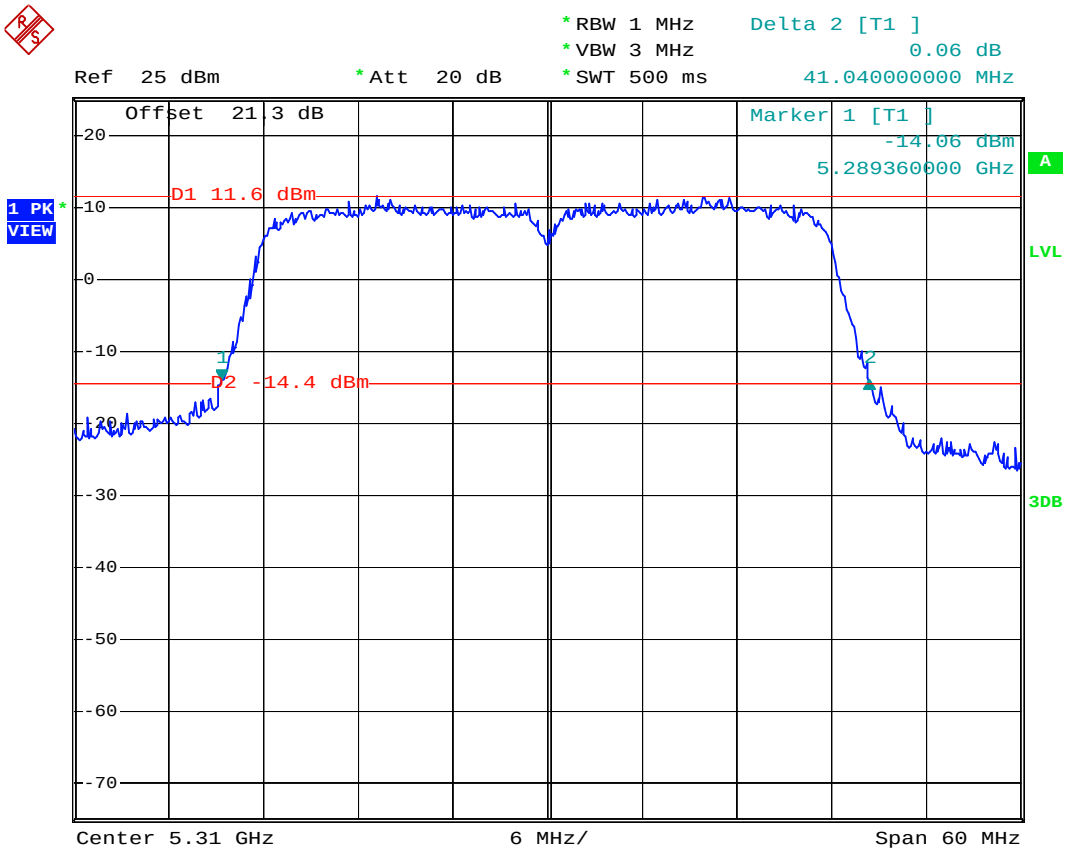


Date: 7.JAN.2008 17:20:37

Mode 15


RBW 1 MHz
VBW 3 MHz
SWT 500 ms
Delta 2 [T1]
0.95 dB
40.920000000 MHz
Ref 25 dBm
Att 20 dB
Offset 21.3 dB
Marker 1 [T1]
-12.37 dBm
5.249480000 GHz
D1 12.7 dBm
D2 -13.3 dBm
1 PK VIEW
A
LVL
3DB
Center 5.27 GHz
6 MHz/
Span 60 MHz
Date: 9.NOV.2007 11:18:22

Mode 16



Date: 27.NOV.2007 04:10:49

5.3 Peak Transmit Power

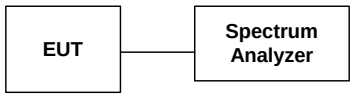
5.3.1 Measuring Instruments

As described in chapter 6 of this test report.

5.3.2 Test Procedure

The transmitter output is connected to the spectrum analyzer. According to the method 3 of DA-02-2138, the resolution bandwidth is set to 1 MHz, video bandwidth is 1MHz, max hold to run for 60 seconds, and sample detection is used. The peak power is measured by channel power integration over the previously measured emissions bandwidth.

5.3.3 Test Setup Layout



5.3.4 Test Result

- Temperature : 25~26℃
- Relative Humidity : 49~51%
- Test Engineer : CKC

➢ **802.11a Normal mode**

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (dBm)	Plot Ref. No.
36	5180	16.98	17.00	Mode 1
44	5220	16.90	17.00	Mode 2
48	5240	16.91	17.00	Mode 3
52	5260	17.44	24.00	Mode 4
60	5300	17.86	24.00	Mode 5
64	5320	17.64	24.00	Mode 6

➢ **802.11n(a) BW 20M mode**

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (dBm)	Plot Ref. No.
36	5180	16.32	17.00	Mode 7
44	5220	16.77	17.00	Mode 8
48	5240	16.67	17.00	Mode 9
52	5260	19.55	24.00	Mode 10
60	5300	19.13	24.00	Mode 11
64	5320	19.11	24.00	Mode 12

➢ **802.11n(a) BW 40M mode**

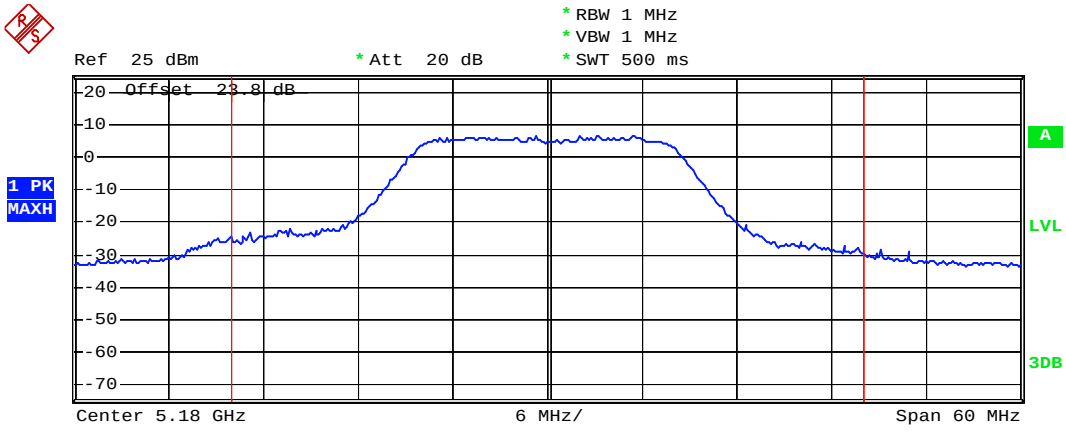
Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (dBm)	Plot Ref. No.
38	5190	16.82	17.00	Mode 13
46	5230	16.84	17.00	Mode 14
54	5270	16.60	24.00	Mode 15
62	5310	16.81	24.00	Mode 16

Comments：

5180MHz 4dBm + 10log(25.38 MHz) = 18.04 dBm for mode 1
5220MHz 4dBm + 10log(23.40 MHz) = 17.69 dBm for mode 2
5240MHz 4dBm + 10log(23.76 MHz) = 17.76 dBm for Mode 3
5260MHz 11dBm + 10log(23.76 MHz) = 24.76 dBm for Mode 4
5300MHz 11dBm + 10log(23.28 MHz) = 24.67 dBm for Mode 5
5320MHz 11dBm + 10log(24.00 MHz) = 24.80 dBm for Mode 6
5180MHz 4dBm + 10log(23.70 MHz) = 17.75 dBm for Mode 7
5220MHz 4dBm + 10log(23.94 MHz) = 17.79 dBm for mode 8
5240MHz 4dBm + 10log(23.58 MHz) = 17.73 dBm for Mode 9
5260MHz 11dBm + 10log(23.64 MHz) = 24.74 dBm for Mode 10
5300MHz 11dBm + 10log(24.00 MHz) = 24.80 dBm for Mode 11
5320MHz 11dBm + 10log(23.88 MHz) = 24.78 dBm for Mode 12
5190MHz 4dBm + 10log(40.92 MHz) = 20.12 dBm for Mode 13
5230MHz 4dBm + 10log(41.64 MHz) = 20.20 dBm for Mode 14
5270MHz 11dBm + 10log(40.92 MHz) = 27.12 dBm for Mode 15
5310MHz 11dBm + 10log(41.04 MHz) = 27.13 dBm for Mode 16

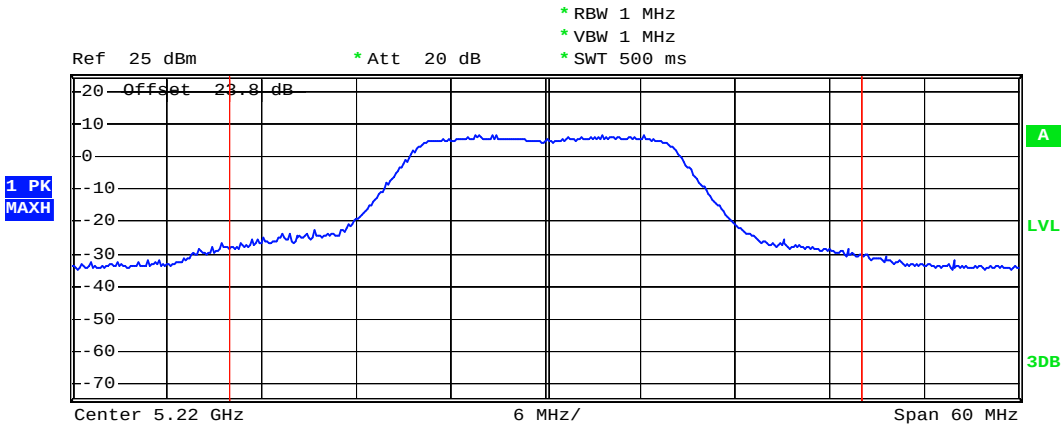
5.3.5 Test Data

Mode 1



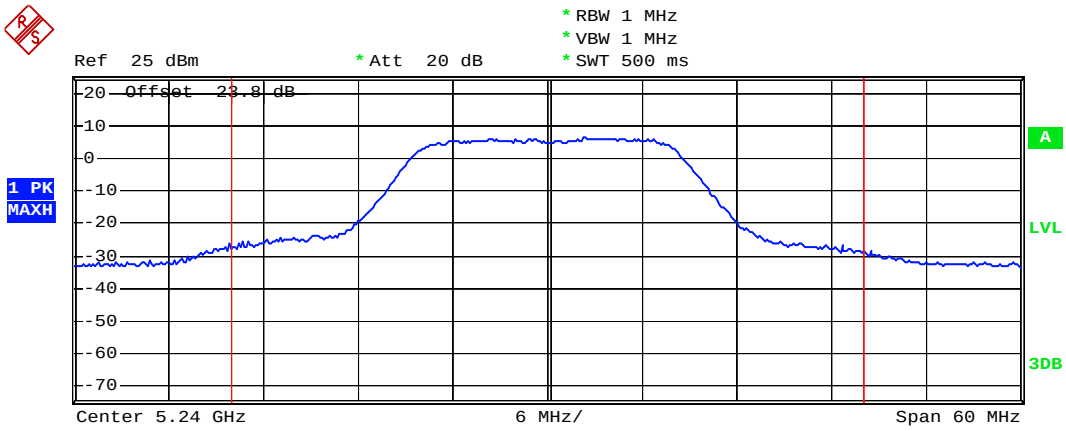
Date: 9.NOV.2007 16:12:34

Mode 2



Date: 5.JAN.2008 00:38:45

Mode 3

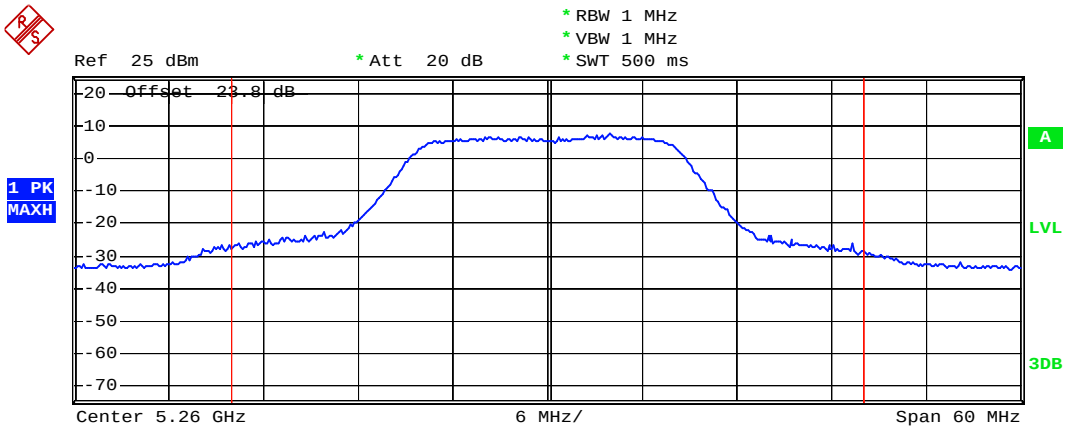


Tx Channel

Bandwidth 40 MHz Power 16.91 dBm

Date: 9.NOV.2007 16:18:58

Mode 4

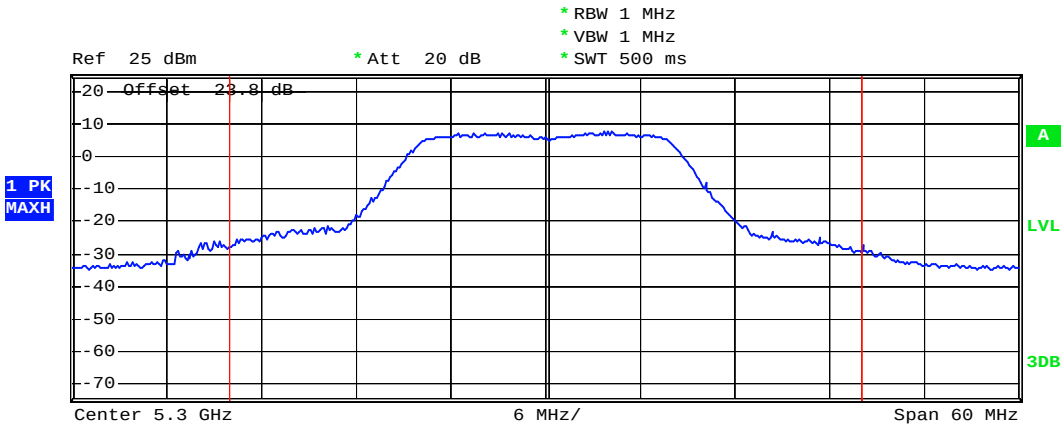


Tx Channel

Bandwidth	40 MHz	Power	17.44 dBm

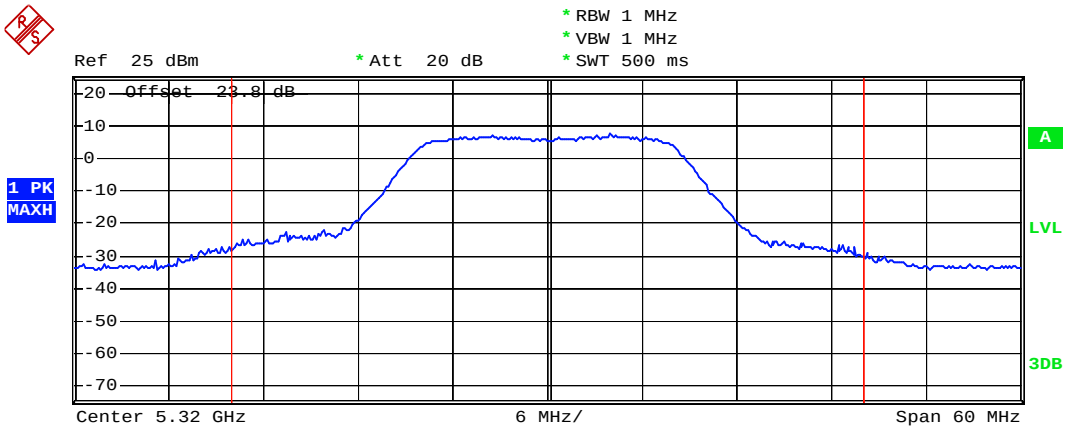
Date: 9.NOV.2007 16:19:53

Mode 5



Date: 5.JAN.2008 00:39:41

Mode 6

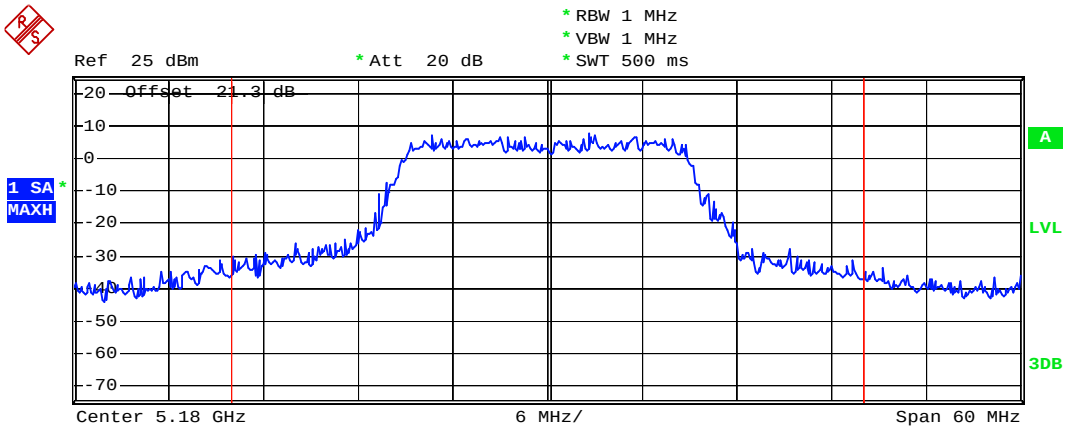


Tx Channel

Bandwidth	40 MHz	Power	17.64 dBm

Date: 9.NOV.2007 16:20:49

Mode 7

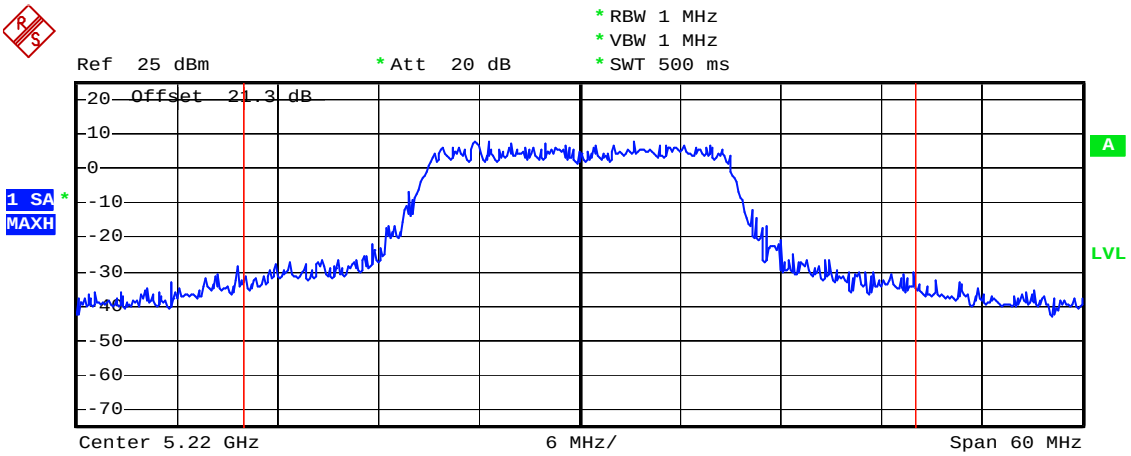


Tx Channel

Bandwidth	40 MHz	Power	16.32 dBm

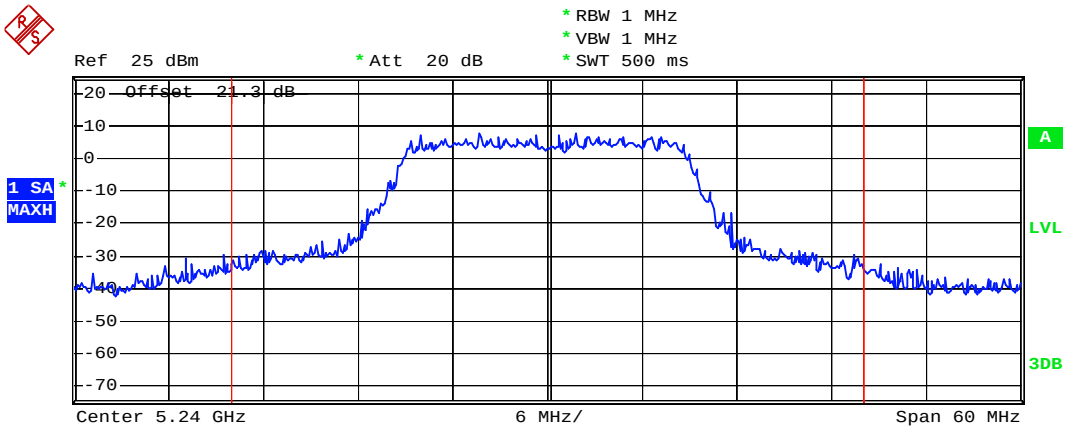
Date: 9.NOV.2007 10:43:05

Mode 8



Date: 7.JAN.2008 17:57:07

Mode 9

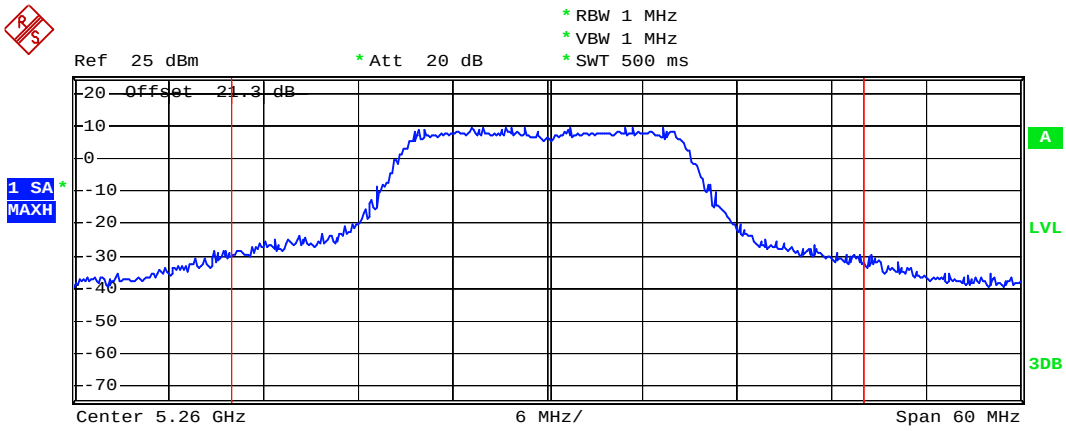


Tx Channel

Bandwidth	40 MHz	Power	16.67 dBm

Date: 9.NOV.2007 10:42:33

Mode 10

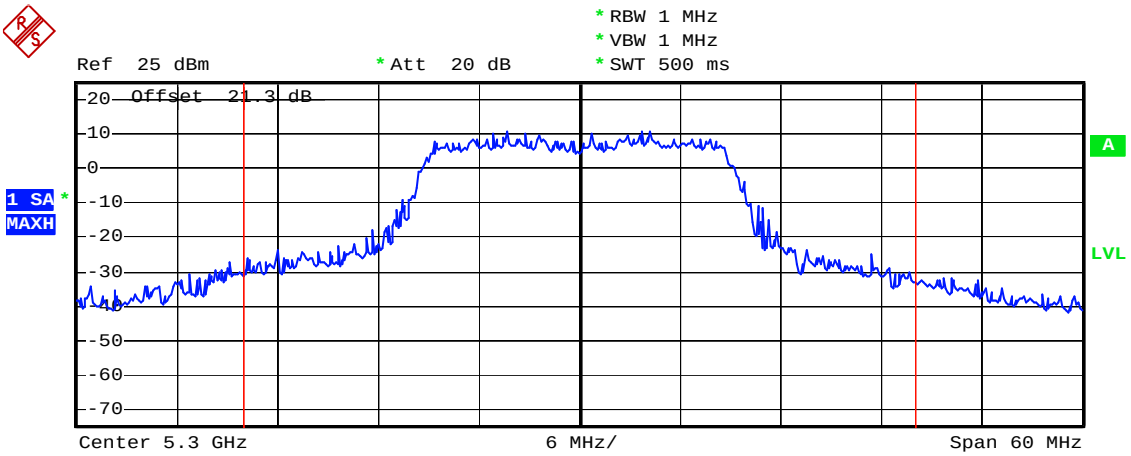


Tx Channel

Bandwidth	40 MHz	Power	19.55 dBm

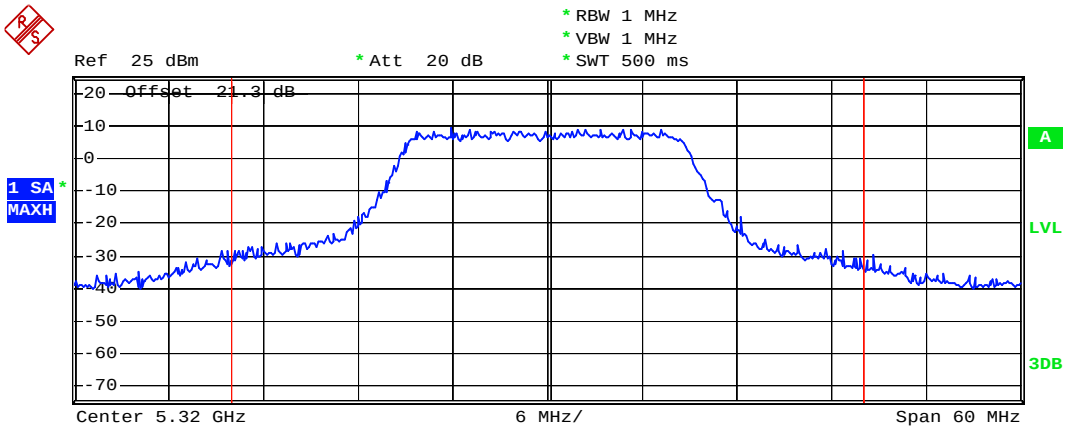
Date: 9.NOV.2007 10:45:20

Mode 11



Date: 7.JAN.2008 17:56:04

Mode 12

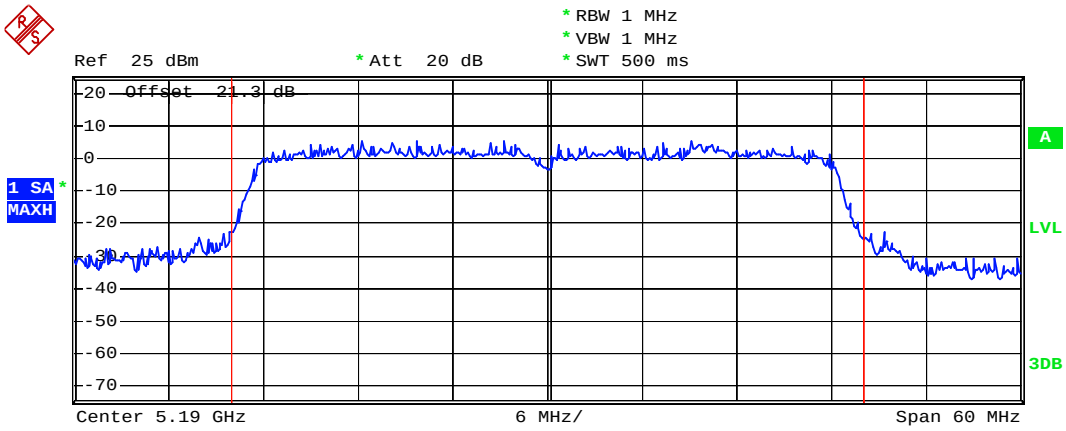


Tx Channel

Bandwidth 40 MHz Power 19.11 dBm

Date: 9.NOV.2007 10:47:09

Mode 13

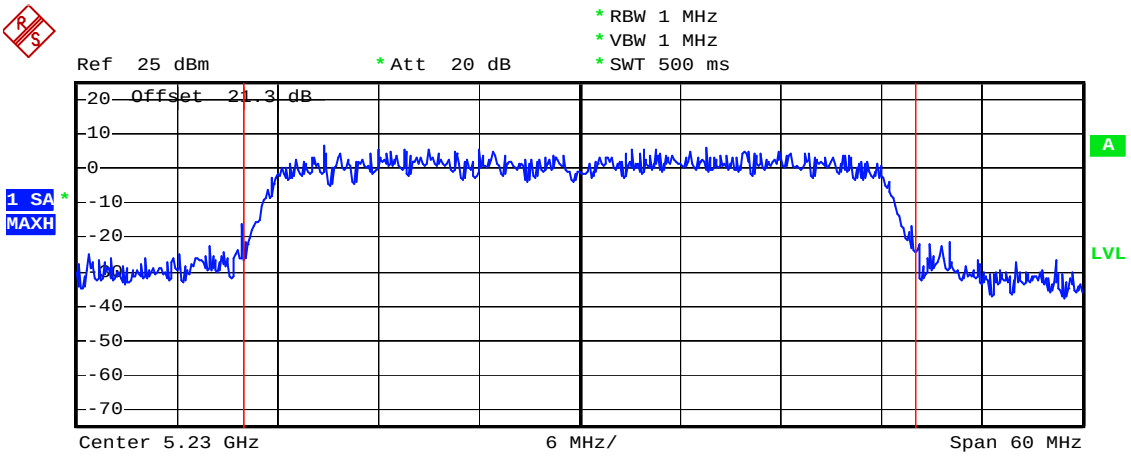


Tx Channel

Bandwidth	40 MHz	Power	16.82 dBm

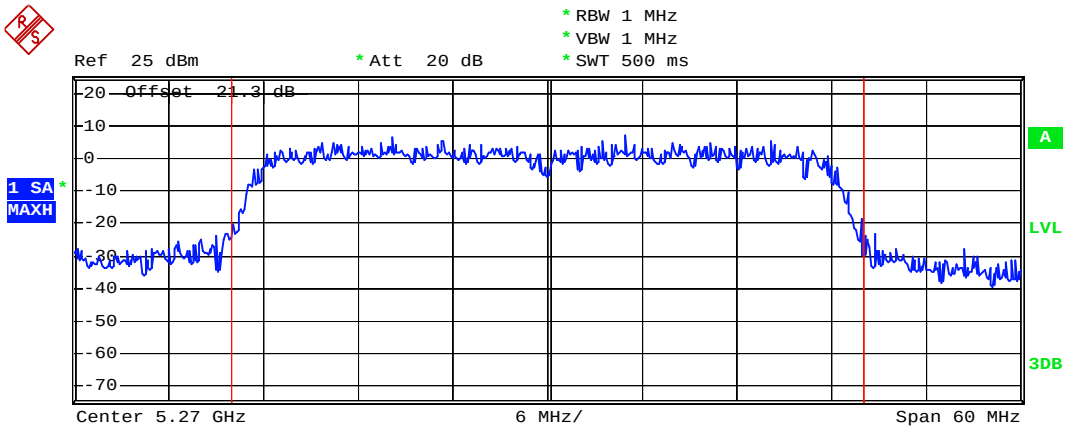
Date: 9.NOV.2007 10:51:40

Mode 14



Date: 7.JAN.2008 17:30:42

Mode 15

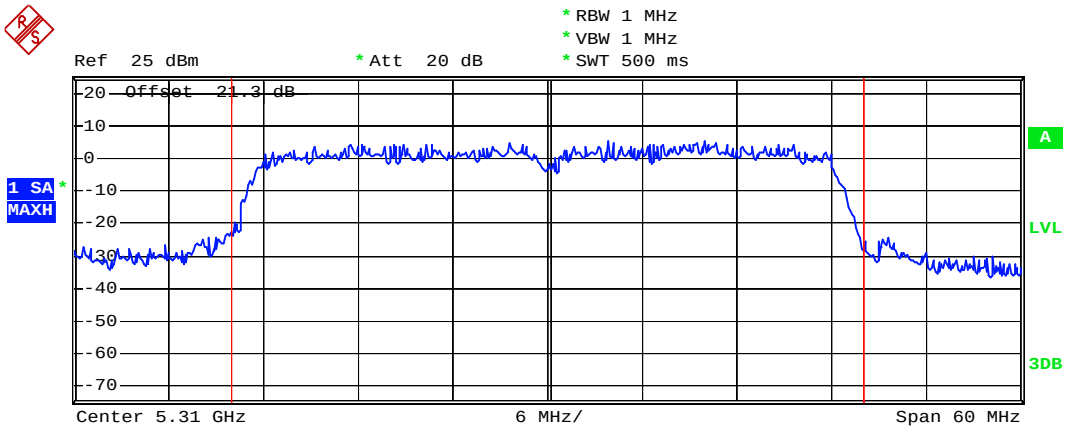


Tx Channel

Bandwidth 40 MHz Power 16.60 dBm

Date: 9.NOV.2007 10:52:44

Mode 16



Date: 9.NOV.2007 10:54:23

5.4 Peak Power Spectral Density

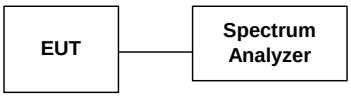
5.4.1 Measuring Instruments

As described in chapter 6 of this test report.

5.4.2 Test Procedure

The transmitter output is connected to the spectrum analyzer. According to the method 3 of DA-02-2138, the resolution bandwidth is set to 1 MHz, video bandwidth is 3MHz, trace average 100 traces in power averaging mode, and sample detection is used, and the analyzer is set for video averaging.

5.4.3 Test Setup Layout



5.4.4 Test Result

- Temperature : 25~26℃
- Relative Humidity :
- Test Engineer : CKC

➢ **802.11a Normal mode**

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
36	5180	-8.50	4	Mode 1
44	5220	-8.99	4	Mode 2
48	5240	-10.17	4	Mode 3
52	5260	-8.93	11	Mode 4
60	5300	-7.96	11	Mode 5
64	5320	-7.90	11	Mode 6

➢ **802.11n(a) BW 20M mode**

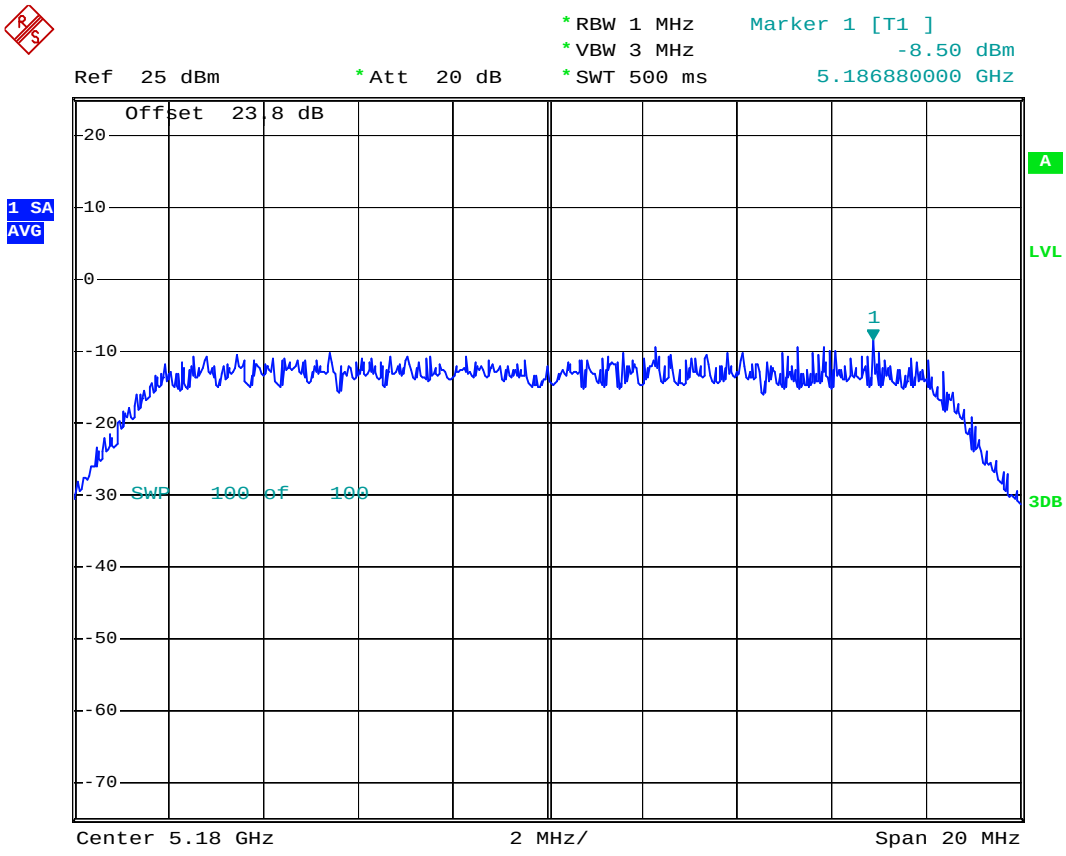
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
36	5180	-3.54	4	Mode 7
44	5220	-4.37	4	Mode 8
48	5240	-3.00	4	Mode 9
52	5260	-3.37	11	Mode 10
60	5300	-3.36	11	Mode 11
64	5320	-2.99	11	Mode 12

➢ **802.11n(a) BW 40M mode**

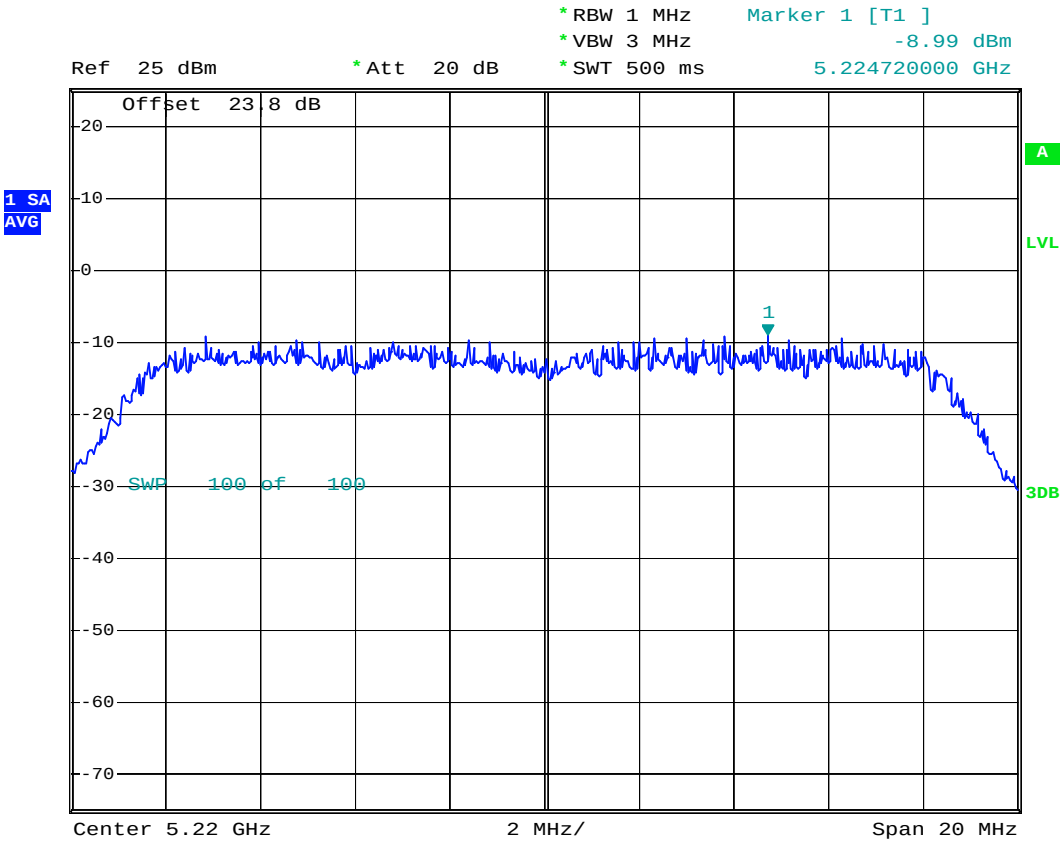
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
38	5190	-12.42	4	Mode 13
46	5230	-12.30	4	Mode 14
54	5270	-11.66	11	Mode 15
62	5310	-12.72	11	Mode 16

5.4.5 Test Data

Mode 1

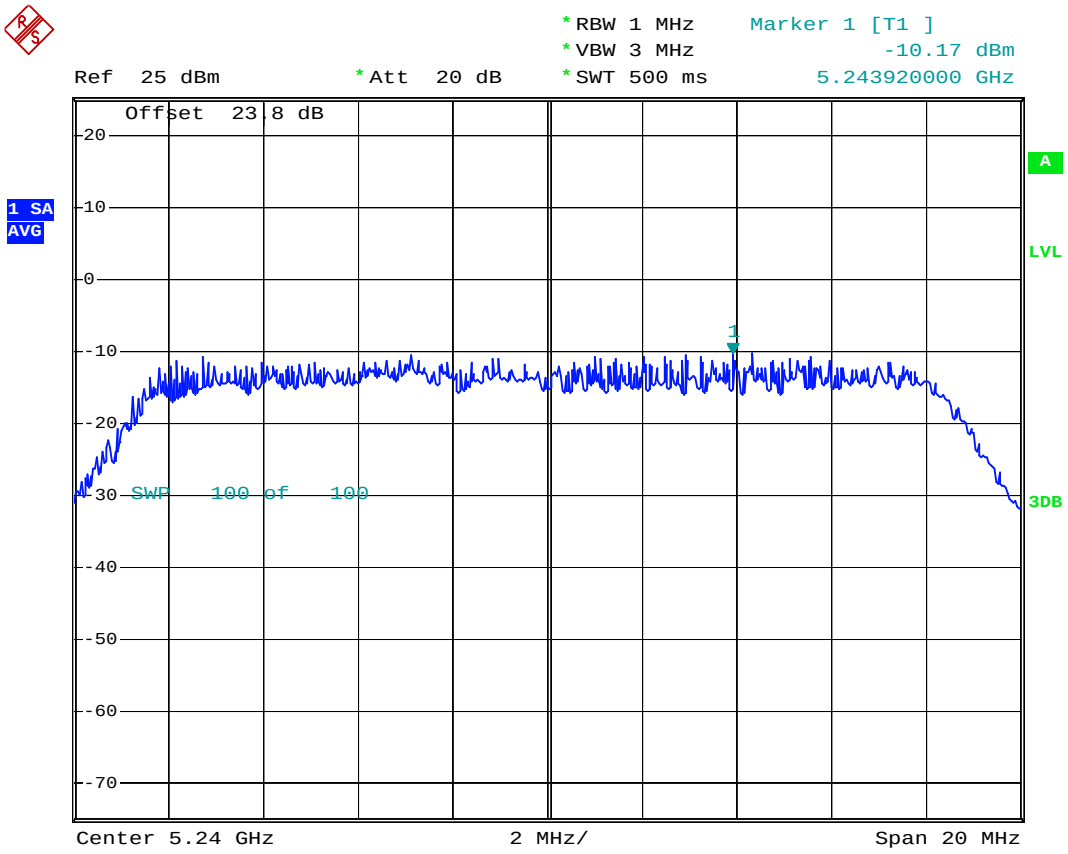


Mode 2



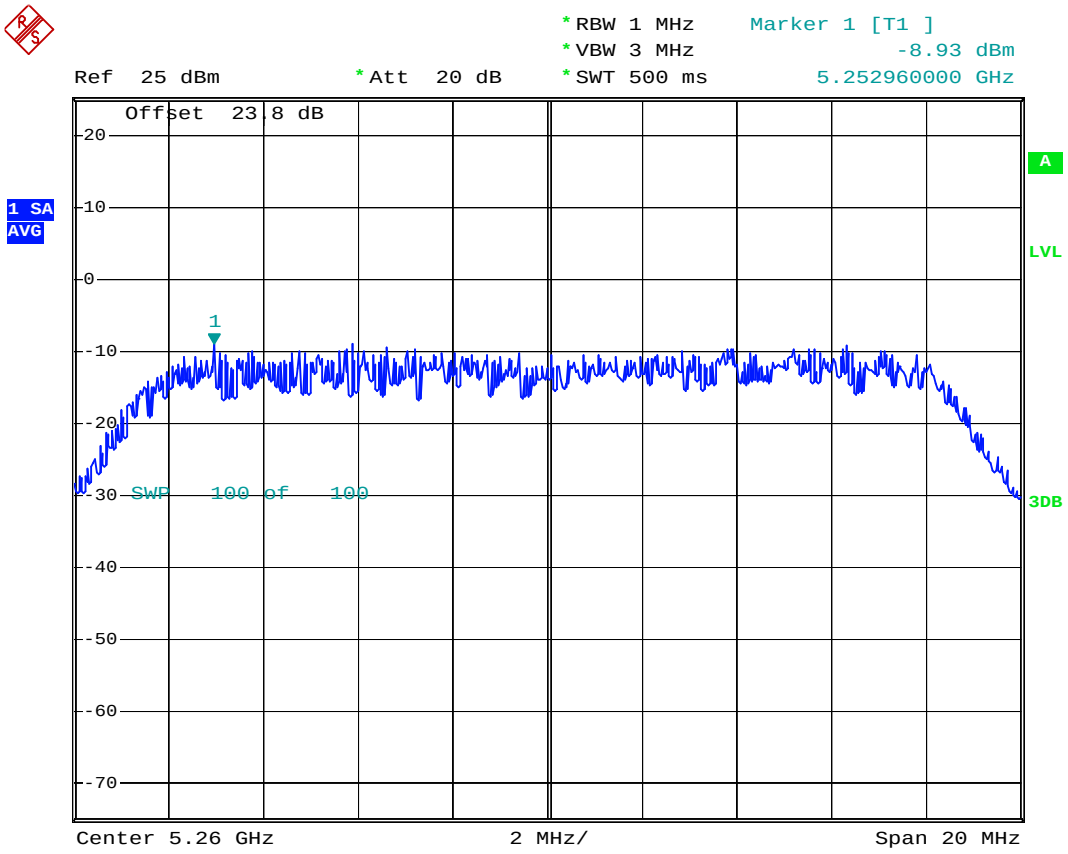
Date: 5.JAN.2008 00:09:04

Mode 3



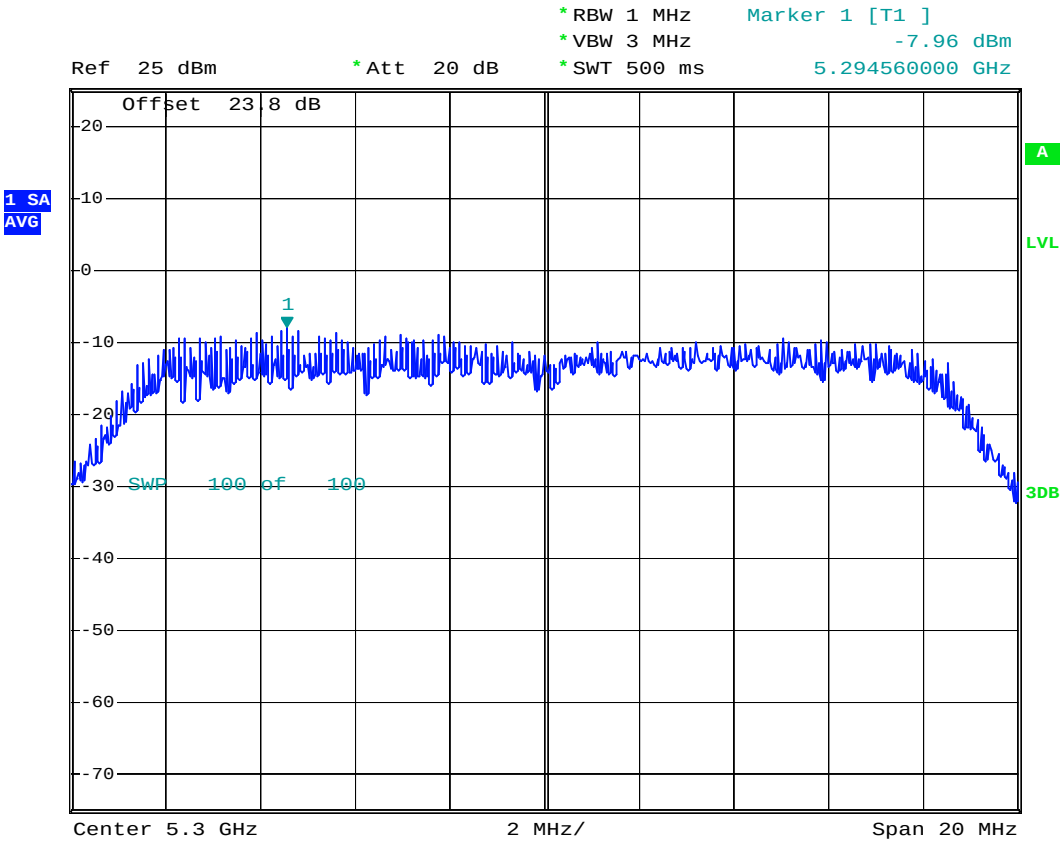
Date: 22.NOV.2007 00:20:57

Mode 4



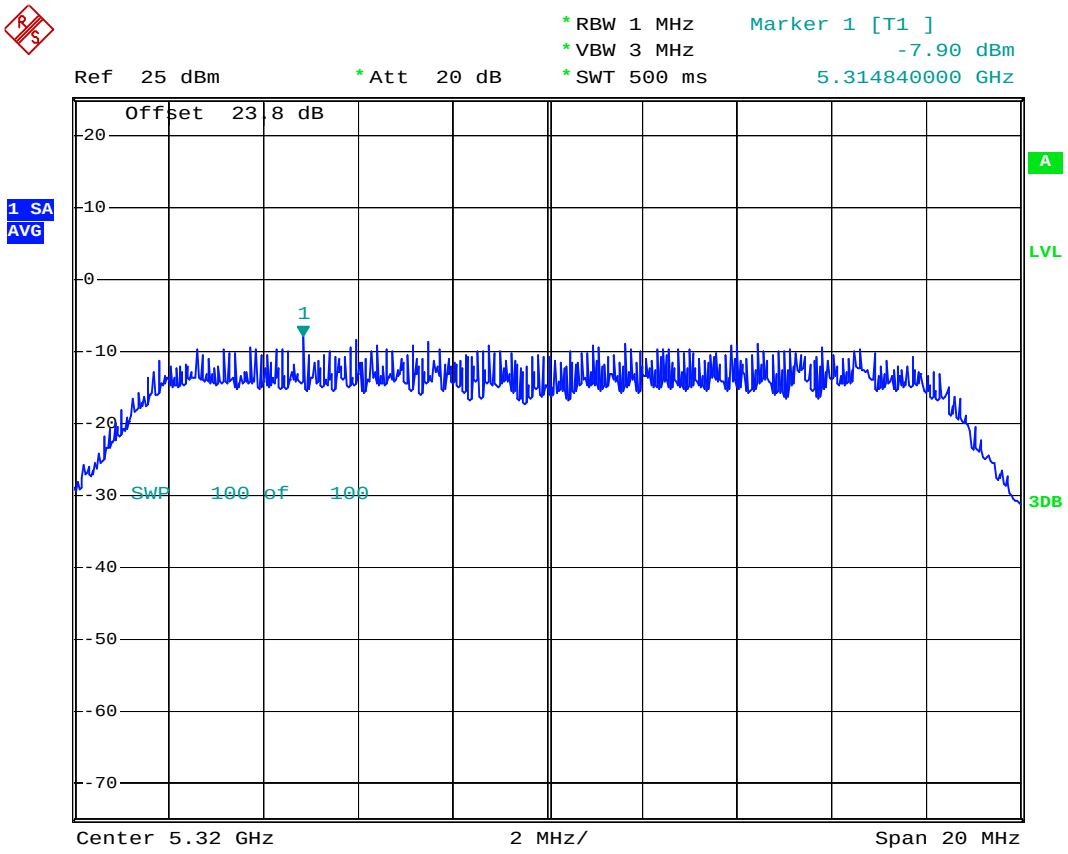
Date: 22.NOV.2007 00:18:47

Mode 5

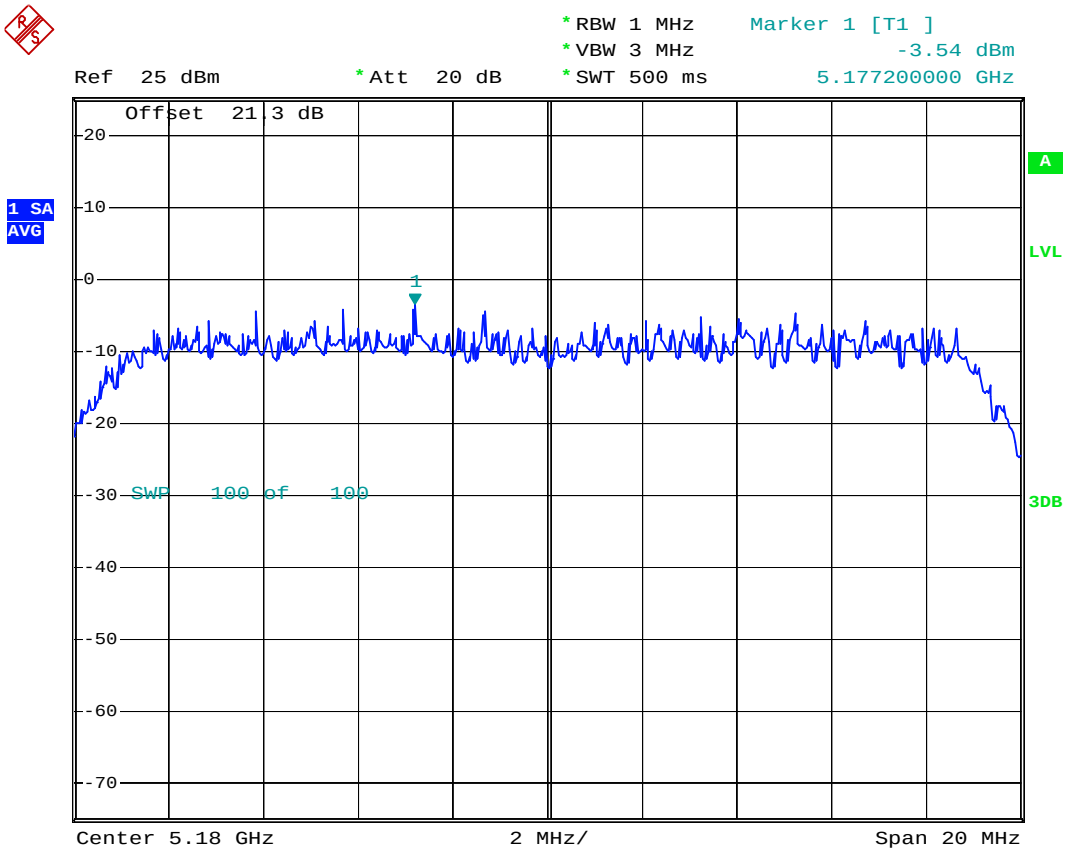


Date: 5.JAN.2008 00:12:53

Mode 6

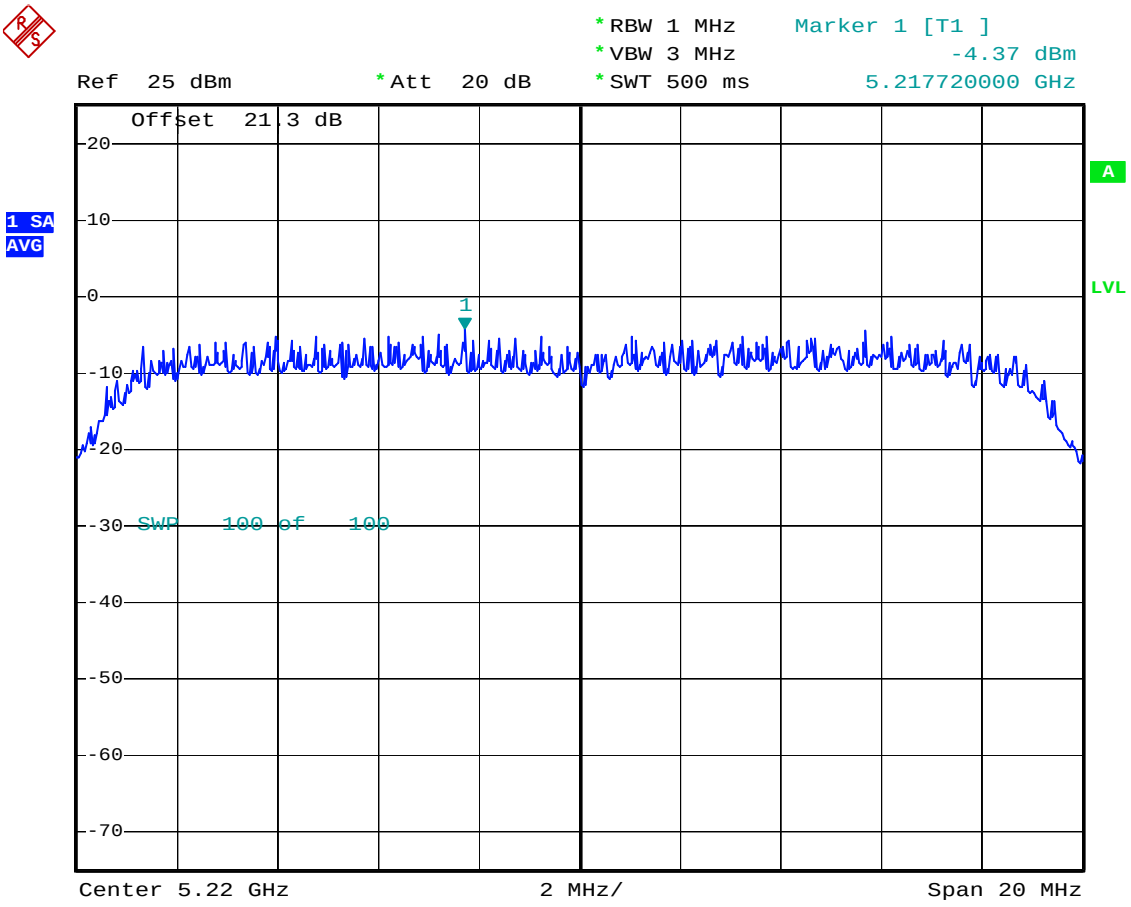

RBW 1 MHz
VBW 3 MHz
SWT 500 ms
Marker 1 [T1]
-7.90 dBm
5.314840000 GHz
Ref 25 dBm
Att 20 dB
Offset 23.8 dB
1 SA
AVG
A
LVL
3DB
SWP 100 of 100
Center 5.32 GHz
2 MHz/
Span 20 MHz
Date: 22.NOV.2007 00:16:41

Mode 7



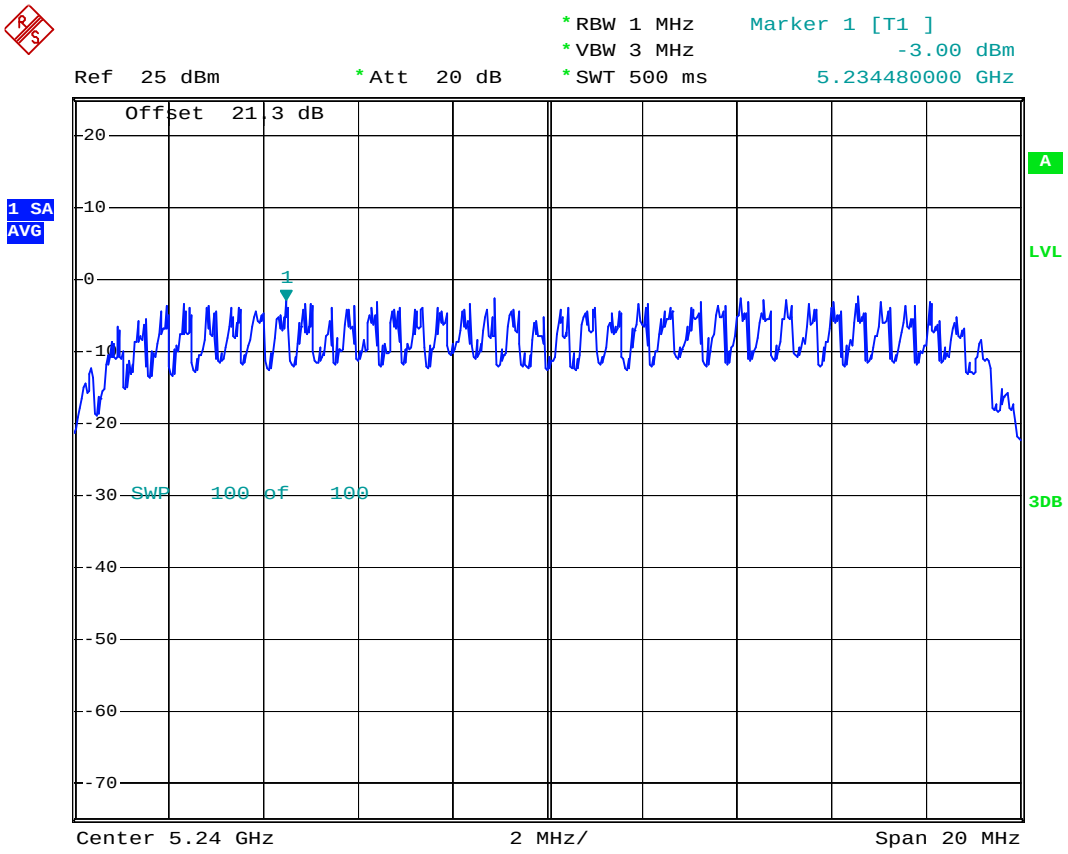
Date: 22.NOV.2007 01:28:37

Mode 8



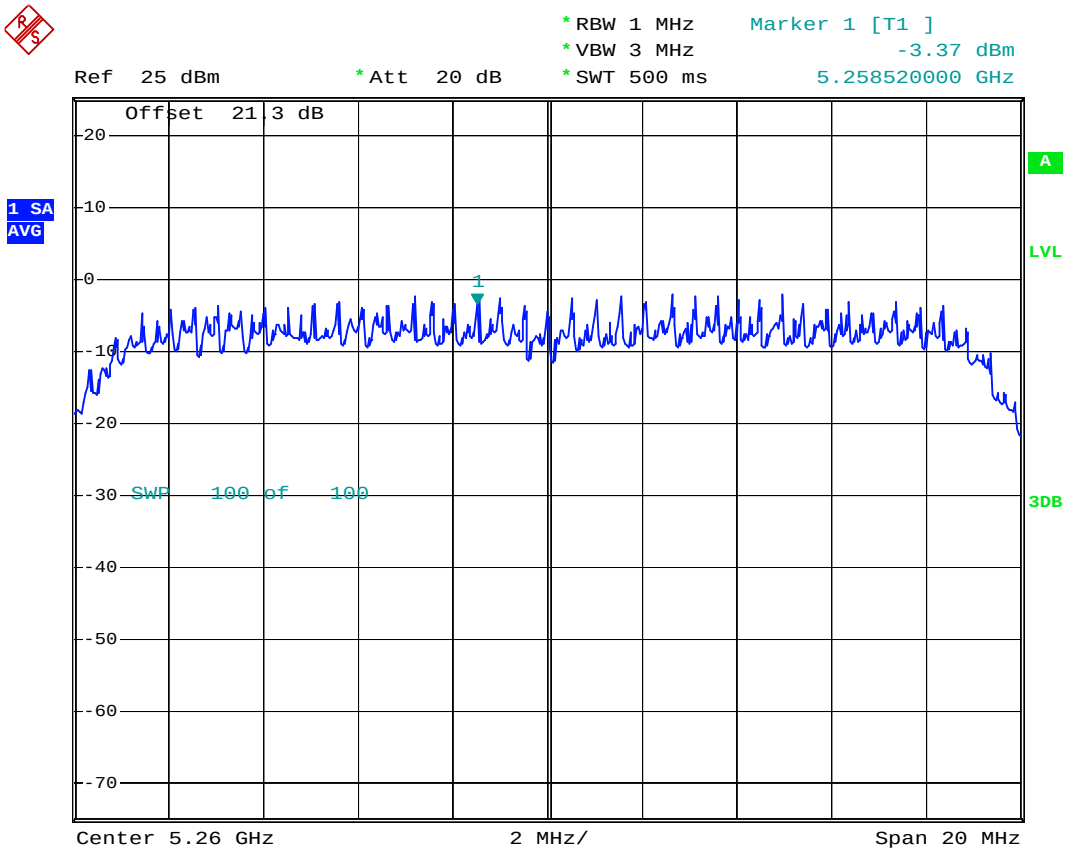
Date: 7.JAN.2008 17:59:00

Mode 9



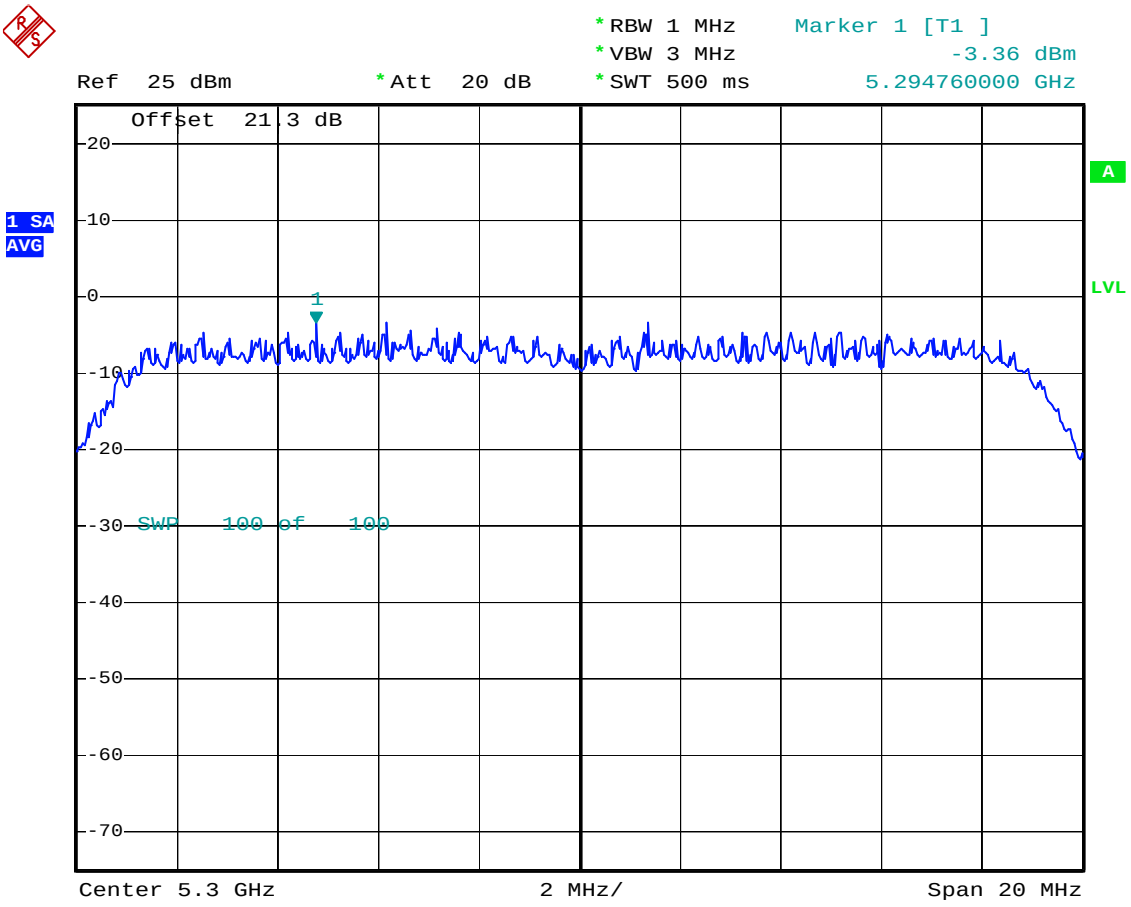
Date: 8.NOV.2007 13:23:59

Mode 10



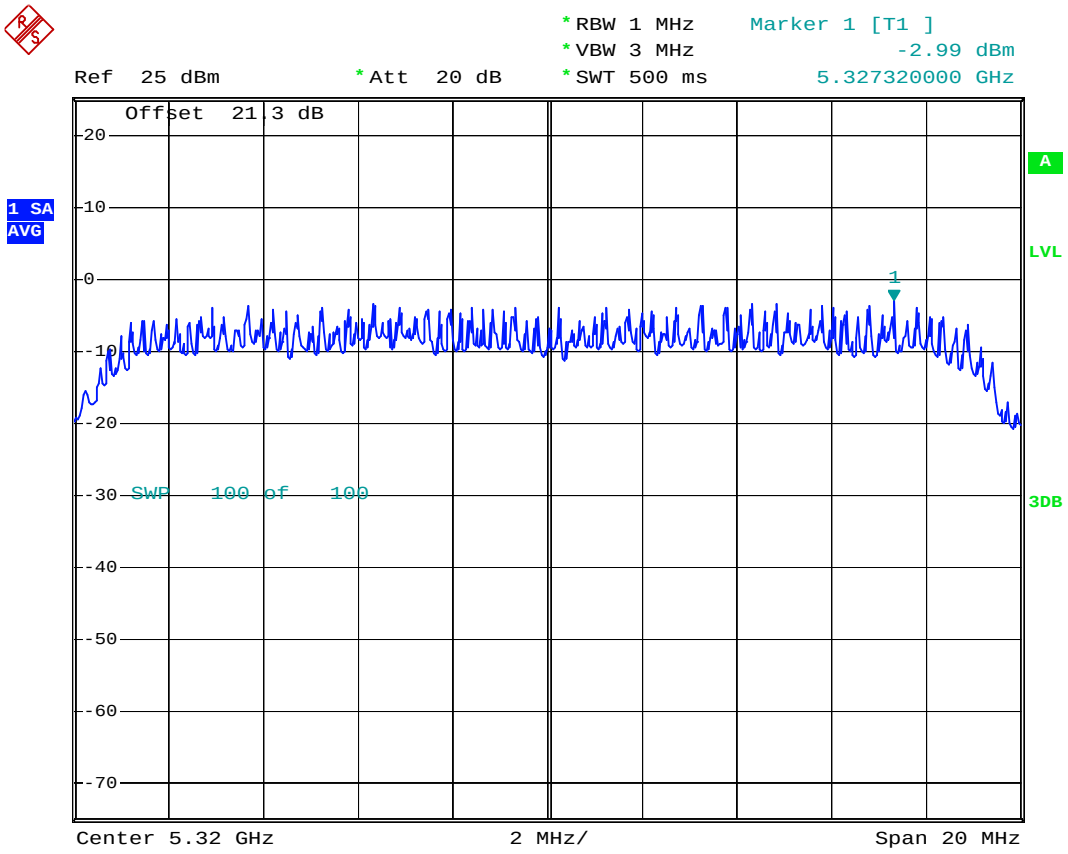
Date: 9.NOV.2007 10:05:07

Mode 11



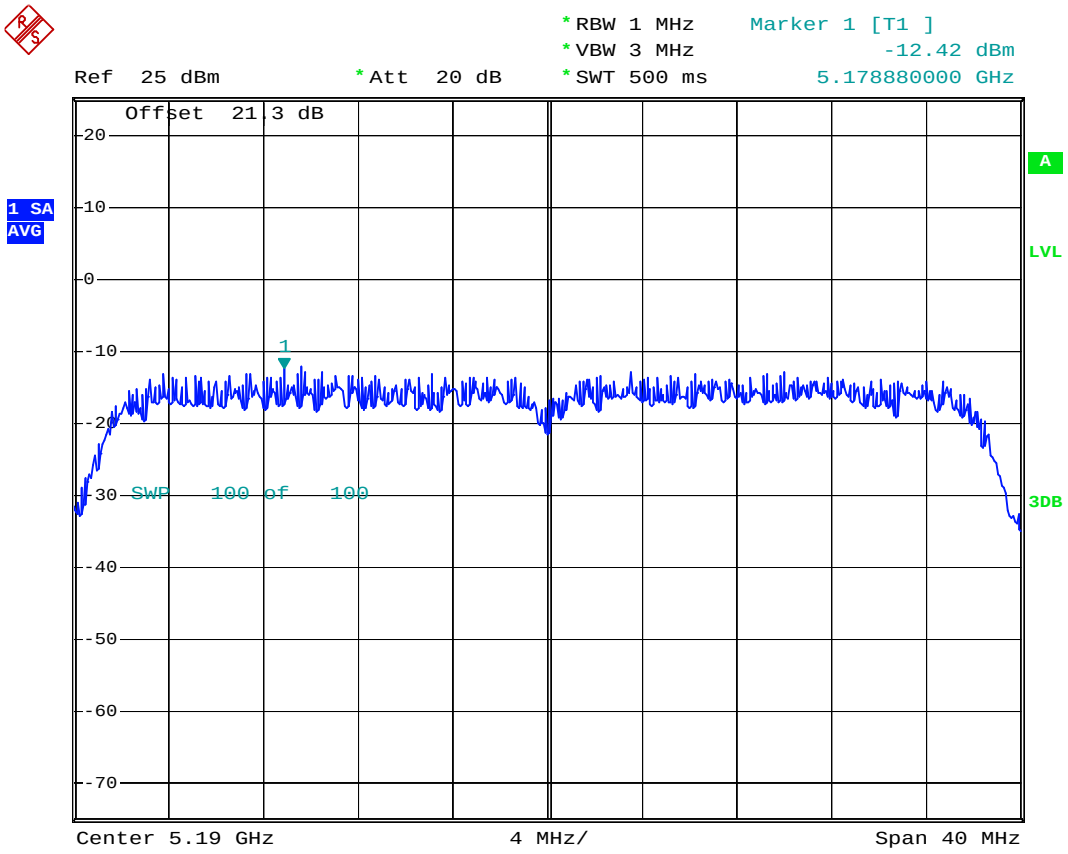
Date: 7.JAN.2008 18:03:43

Mode 12



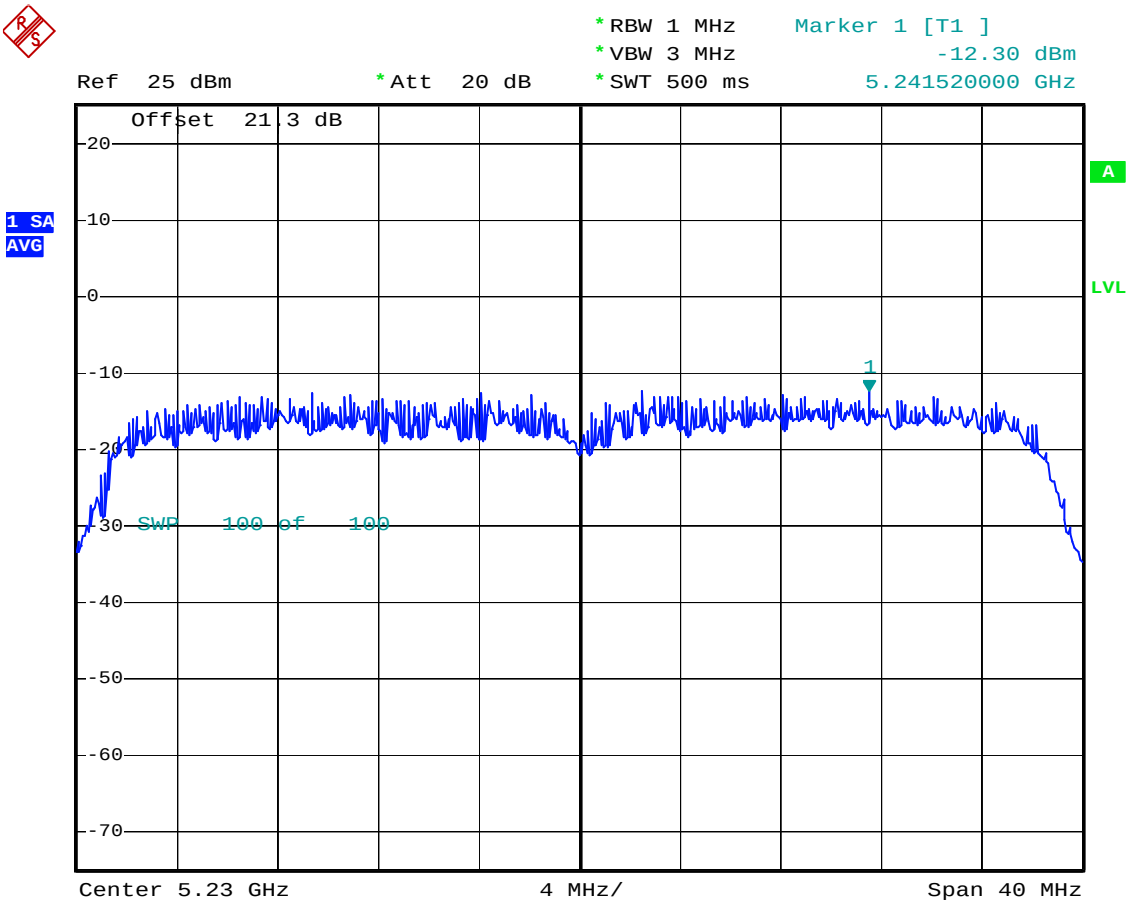
Date: 8.NOV.2007 13:37:10

Mode 13



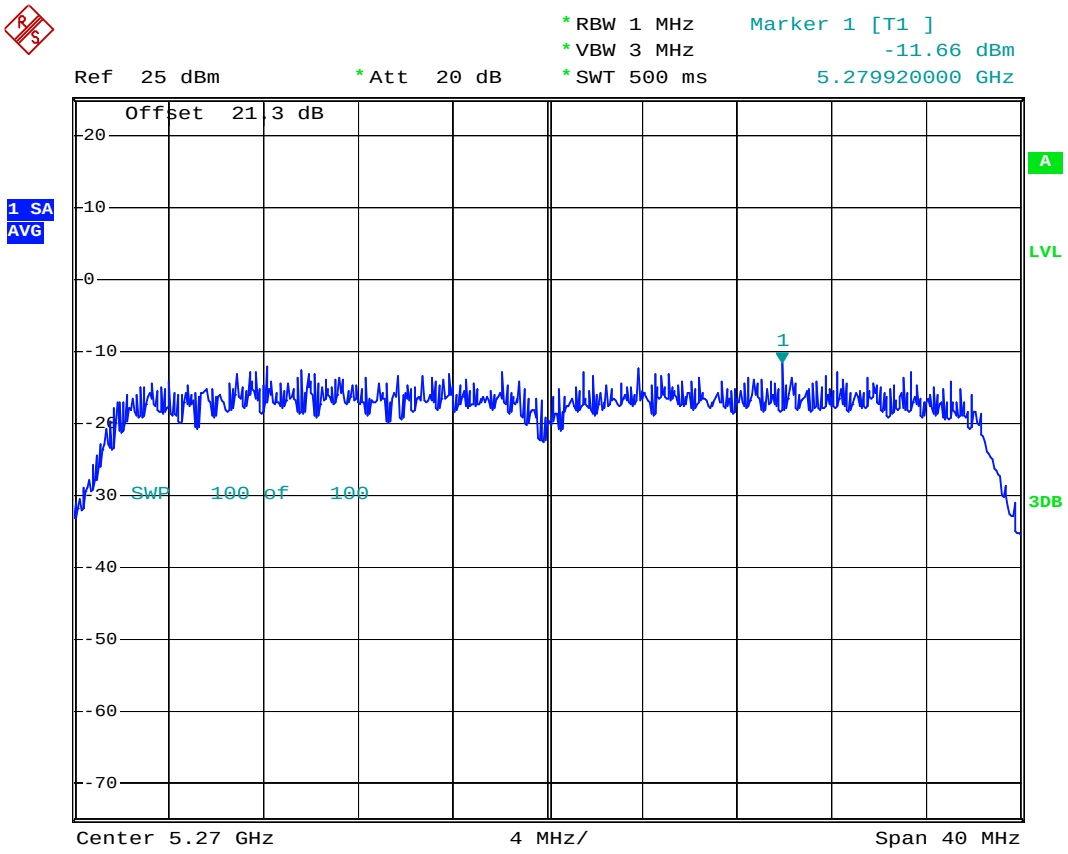
Date: 9.NOV.2007 10:32:34

Mode 14



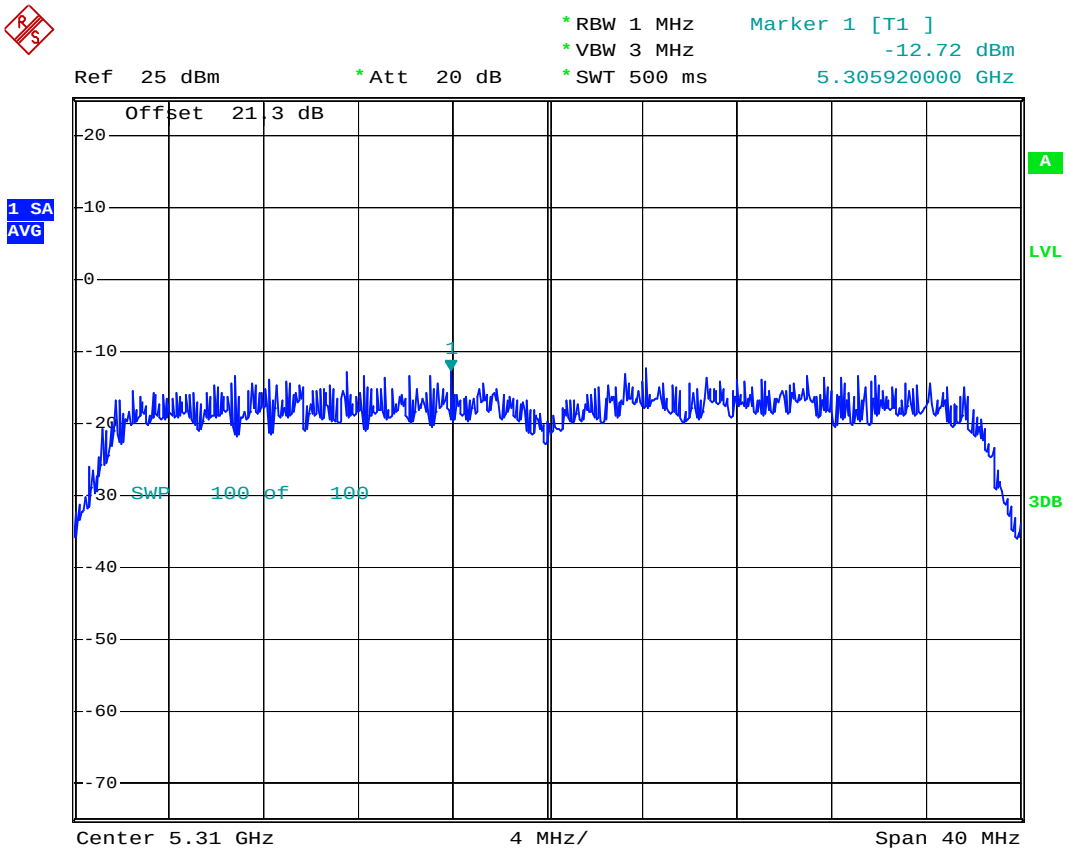
Date: 7.JAN.2008 17:36:09

Mode 15



Date: 9.NOV.2007 10:10:38

Mode 16



Date: 9.NOV.2007 10:18:28

5.5 Test of Conducted Emission

As described in chapter 6 of this test report.

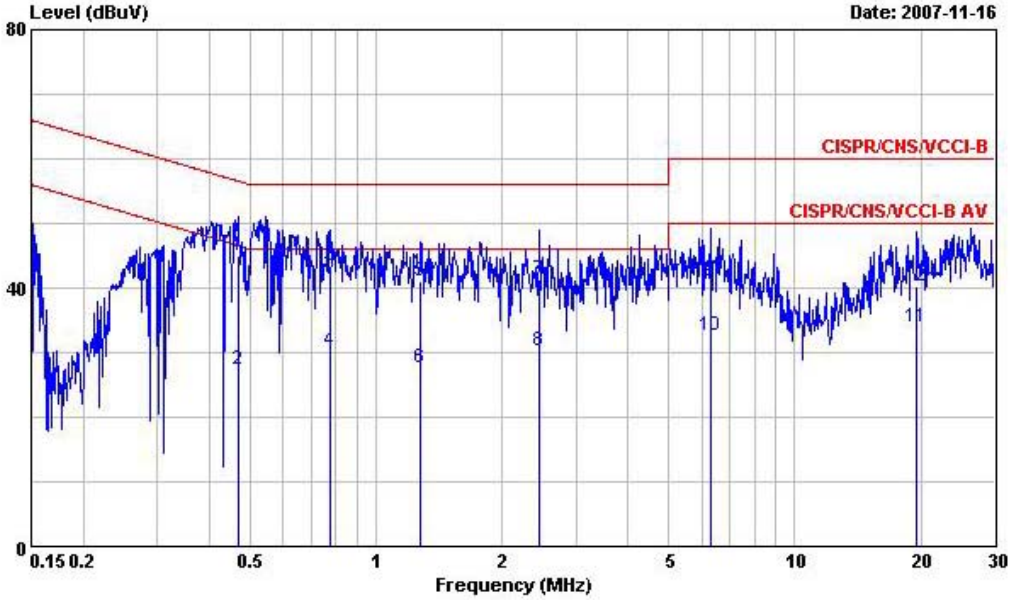
5.5.1 Test Procedures

a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power port of a line impedance stabilization network (LISN).
c. All the support units are connected to the other LISN.
d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
e. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
f. Both sides of AC line were checked for maximum conducted interference.
g. The frequency range from 150 kHz to 30 MHz was searched.
h. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

5.5.2 Test Data

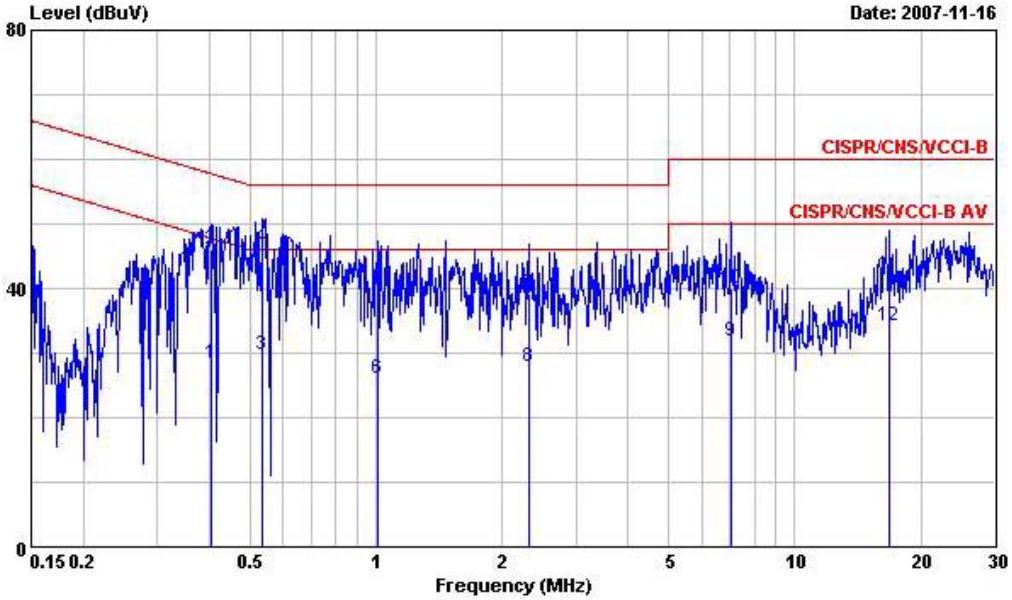
- Frequency Range of Test : 150kHz to 30 MHz
- Test Mode : Mode 1
- Temperature : 25~26℃
- Relative Humidity : 49~51%
- Test Engineer : CKC

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B LISN 200704 99041 LINE
EUT : N/B
POWER: 120V/60Hz
Model : FR7O1819
Memo : WLAN Link+BT Link+Adaptor

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.4686110	45.06	-11.48	56.54	44.28	0.10	0.68	QP
2	@0.4686110	27.40	-19.14	46.54	26.62	0.10	0.68	Average
3	@0.7751940	43.30	-12.70	56.00	42.68	0.10	0.52	QP
4	@0.7751940	30.23	-15.77	46.00	29.61	0.10	0.52	Average
5	@ 1.280	41.04	-14.96	56.00	40.50	0.10	0.44	QP
6	@ 1.280	27.56	-18.44	46.00	27.02	0.10	0.44	Average
7	@ 2.460	41.28	-14.72	56.00	40.78	0.10	0.40	QP
8	@ 2.460	30.33	-15.67	46.00	29.83	0.10	0.40	Average
9	@ 6.290	41.15	-18.85	60.00	40.73	0.15	0.27	QP
10	@ 6.290	32.76	-17.24	50.00	32.34	0.15	0.27	Average
11	@ 19.530	33.87	-16.13	50.00	33.59	0.23	0.05	Average
12	@ 19.530	40.17	-19.83	60.00	39.89	0.23	0.05	QP



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B LISN 200704 99041 NEUTRAL
EUT : N/B
POWER: 120V/60Hz
Model : FR7O1819
Memo : WLAN Link+BT Link+Adaptor

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.4040020	28.40	-19.37	47.77	27.57	0.10	0.73	Average
2	@0.4040020	46.07	-11.70	57.77	45.24	0.10	0.73	QP
3	@0.5349810	29.63	-16.37	46.00	28.89	0.10	0.64	Average
4	@0.5349810	46.41	-9.59	56.00	45.67	0.10	0.64	QP
5	@ 1.010	40.07	-15.93	56.00	39.53	0.10	0.44	QP
6	@ 1.010	26.15	-19.85	46.00	25.61	0.10	0.44	Average
7	@ 2.310	39.29	-16.71	56.00	38.76	0.12	0.41	QP
8	@ 2.310	28.02	-17.98	46.00	27.49	0.12	0.41	Average
9	@ 7.020	31.84	-18.16	50.00	31.32	0.26	0.26	Average
10	@ 7.020	40.10	-19.90	60.00	39.58	0.26	0.26	QP
11	@ 16.840	41.99	-18.01	60.00	41.59	0.30	0.10	QP
12	@ 16.840	34.32	-15.68	50.00	33.92	0.30	0.10	Average

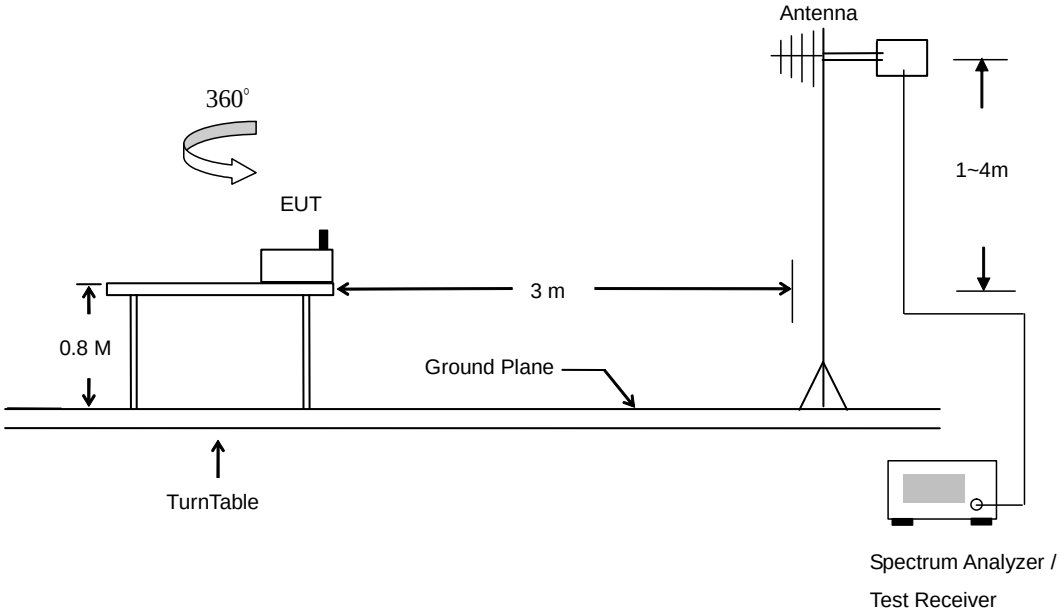
5.6 Test of Radiated Emission

As described in chapter 6 of this test report.

5.6.1 Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
e. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average 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.

5.6.2 Typical Test Setup Layout of Radiated Emission

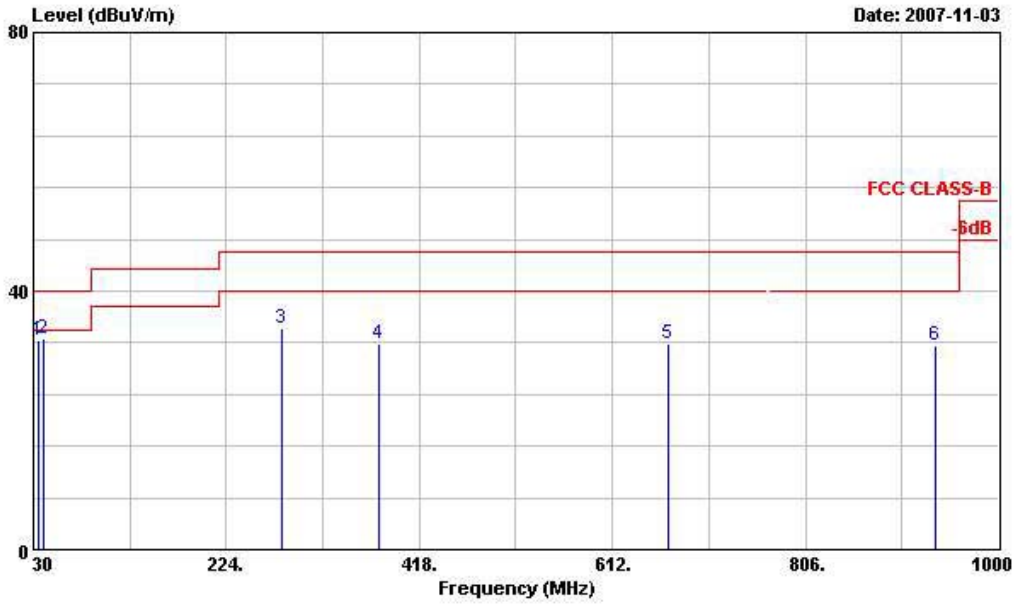


5.6.3 Test Data

➢ Test Mode : Mode 1

- Temperature : 25~26℃
- Relative Humidity : 49~51%
- Test Engineer : Drerk
- Polarization : Horizontal

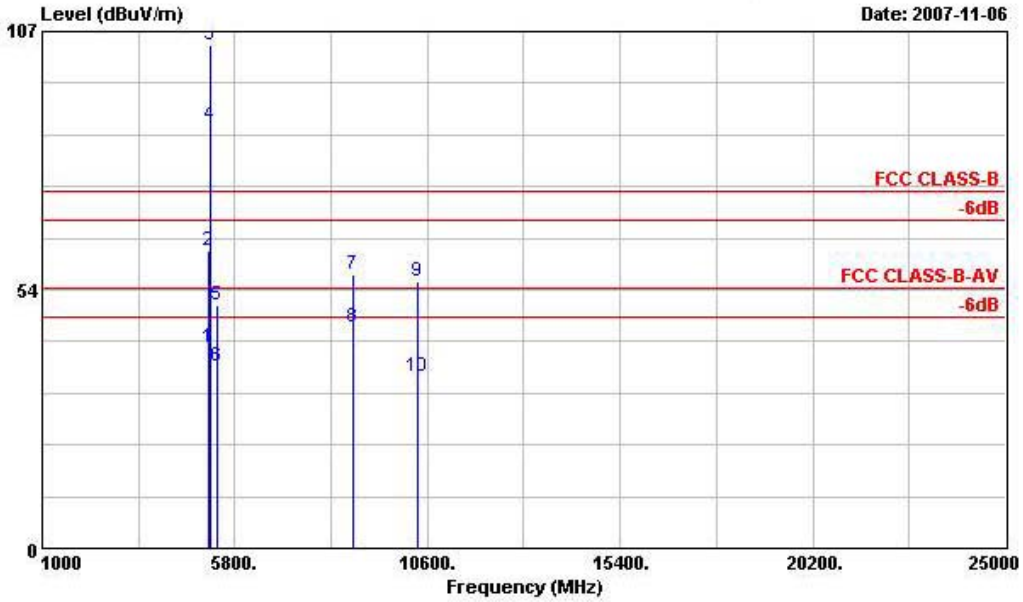
■ The test that passed at minimum margin was marked by the boldface in the following table.




```
Site      :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT       :N/B
POWER     :120Vac/60Hz
MODEL     :FR 7O1819
MEMO      :802.11a TX_CH36;5180MHz
Data Rate:9
```

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.130	32.43	-7.57	40.00	41.88	16.29	0.91	26.65	---	---	Peak
2	39.450	32.67	-7.33	40.00	46.53	11.82	0.96	26.64	100	117	Peak
3	280.290	34.15	-11.85	46.00	45.37	12.41	2.17	25.80	---	---	Peak
4	377.000	31.80	-14.20	46.00	40.57	14.98	2.49	26.25	---	---	Peak
5	668.200	31.93	-14.07	46.00	35.44	20.06	3.45	27.02	---	---	Peak
6	937.000	31.69	-14.31	46.00	29.85	24.45	3.98	26.58	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



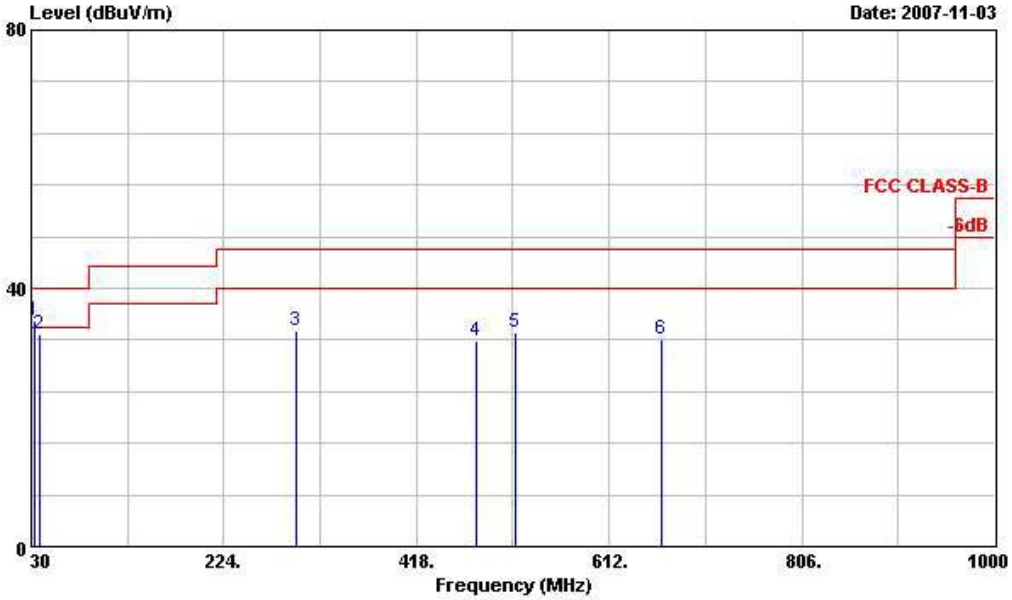
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH36;5180MHz
Data Rate:9

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	41.67	-12.33	54.00	36.53	33.38	6.00	34.24	100	350	Average
2		5150.000	61.60	-12.40	74.00	56.46	33.38	6.00	34.24	100	0	Peak
3	X	5180.000	104.09			98.90	33.42	6.00	34.23	100	0	Peak
4	@	5180.000	87.65			82.46	33.42	6.00	34.23	100	350	Average
5		5350.000	50.36	-23.64	74.00	44.89	33.62	6.00	34.15	100	0	Peak
6		5350.000	37.63	-16.37	54.00	32.16	33.62	6.00	34.15	100	350	Average
7		8758.000	56.54	-17.46	74.00	46.19	37.80	7.15	34.60	100	0	Peak
8		8758.000	45.71	-8.29	54.00	35.36	37.80	7.15	34.60	100	138	Average
9		10362.000	55.30	-18.70	74.00	90.88	-8.72	7.80	34.65	100	0	Peak
10		10362.000	35.46	-18.54	54.00	71.04	-8.72	7.80	34.65	100	4	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

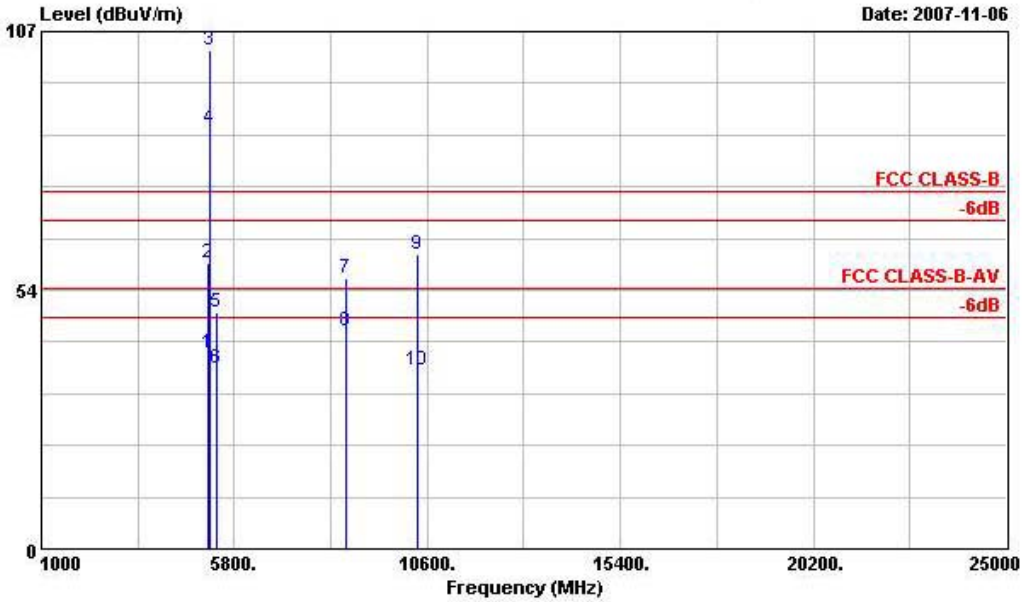
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH36;5180MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	32.700	35.05	-4.95	40.00	44.49	16.33	0.90	26.66	100	175	Peak
2	38.370	32.95	-7.05	40.00	45.93	12.71	0.95	26.64	---	---	Peak
3	296.220	33.35	-12.65	46.00	44.53	12.33	2.23	25.74	---	---	Peak
4	478.500	31.78	-14.22	46.00	39.29	16.65	2.77	26.94	---	---	Peak
5	517.700	33.03	-12.97	46.00	39.79	17.43	2.88	27.07	---	---	Peak
6	665.400	32.02	-13.98	46.00	35.54	20.06	3.45	27.02	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



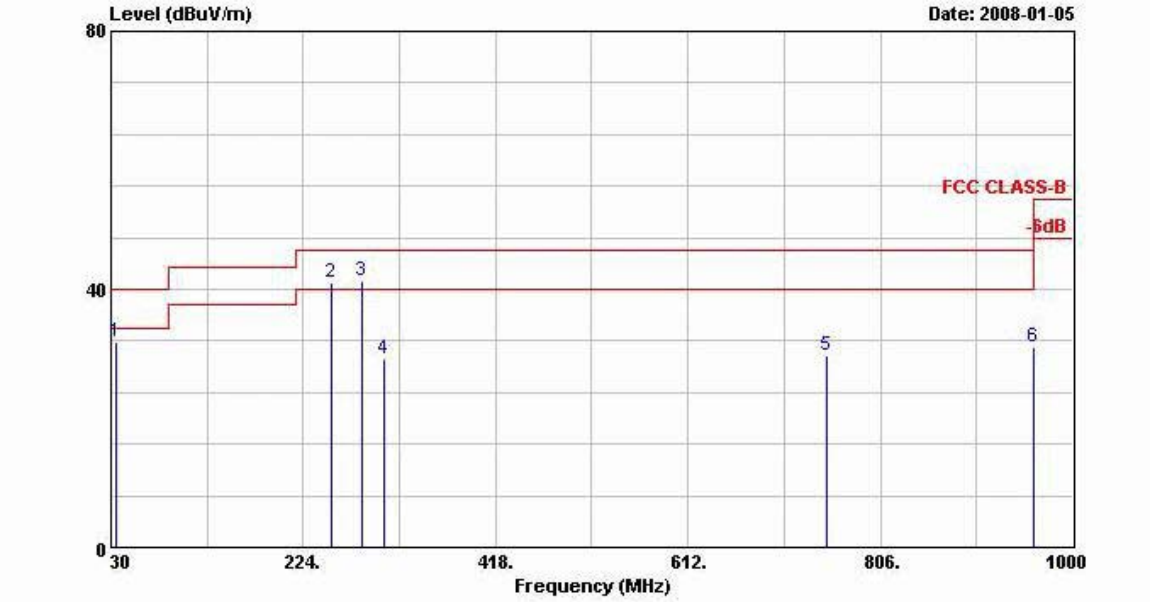
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH36;5180MHz
Data Rate:9

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	40.49	-13.51	54.00	35.35	33.38	6.00	34.24	102	4	Average
2		5150.000	59.27	-14.73	74.00	54.13	33.38	6.00	34.24	100	0	Peak
3	X	5180.000	103.02			97.83	33.42	6.00	34.23	100	0	Peak
4	@	5180.000	87.05			81.86	33.42	6.00	34.23	102	4	Average
5		5350.000	49.06	-24.94	74.00	43.59	33.62	6.00	34.15	100	0	Peak
6		5350.000	37.37	-16.63	54.00	31.90	33.62	6.00	34.15	102	4	Average
7		8566.000	55.99	-18.01	74.00	45.82	37.58	7.05	34.46	100	0	Peak
8		8566.000	45.10	-8.90	54.00	34.93	37.58	7.05	34.46	100	147	Average
9		10365.000	60.80	-13.20	74.00	96.38	-8.72	7.80	34.65	100	0	Peak
10		10365.000	36.92	-17.08	54.00	72.50	-8.72	7.80	34.65	100	201	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 2
- Polarization : Horizontal

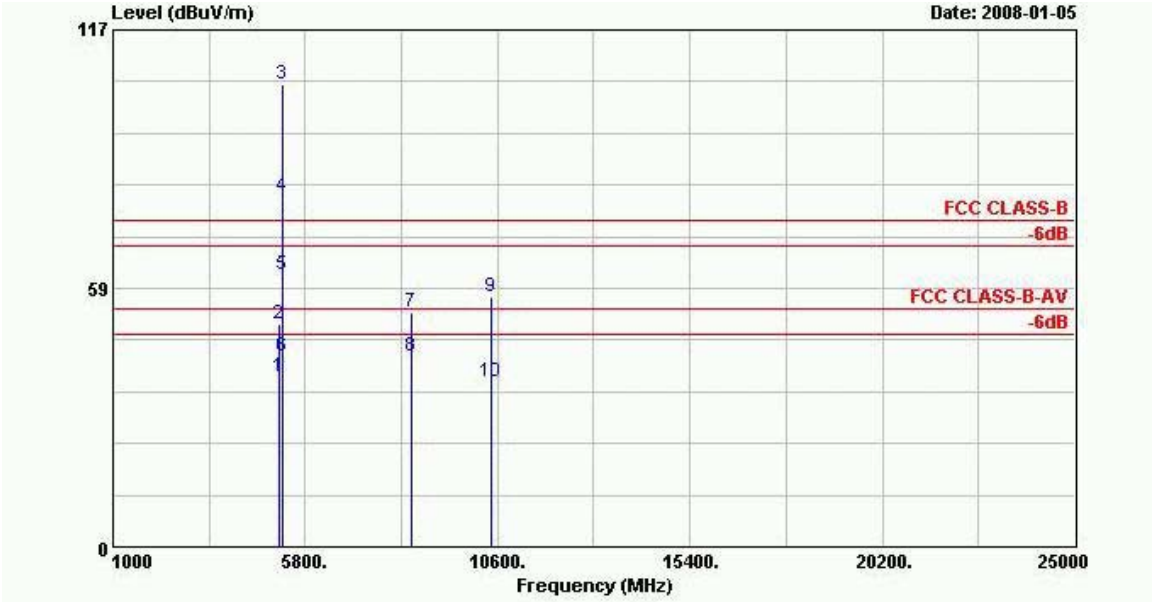
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT : N/B
POWER : 120Vac/60Hz
MODEL : FR 7O1819
MEMO : 802.11a TX_CH44;5220MHz
Data Rate: 24

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		35.130	31.86	-8.14	40.00	42.92	16.29	0.91	28.26	---	---	Peak
2	!	251.940	41.04	-4.96	46.00	54.12	12.56	2.06	27.70	---	---	Peak
3	!	283.260	41.32	-4.68	46.00	54.38	12.40	2.18	27.63	100	125	Peak
4		304.900	29.23	-16.77	46.00	42.13	12.48	2.26	27.63	---	---	Peak
5		752.200	29.74	-16.26	46.00	35.19	19.99	3.56	29.00	---	---	Peak
6		960.100	30.95	-23.05	54.00	30.61	25.04	3.99	28.68	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



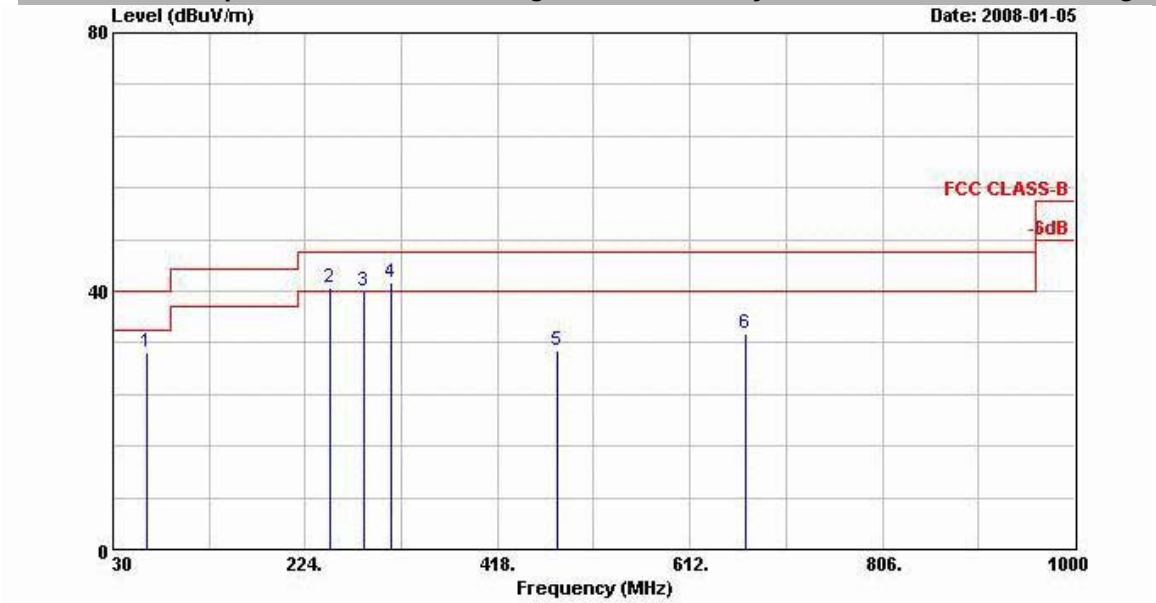
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH44;5220MHz
Data Rate:24

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	38.31	-15.69	54.00	31.66	34.89	6.00	34.24	100	44	Average
2		5150.000	50.45	-23.55	74.00	43.80	34.89	6.00	34.24	100	0	Peak
3	@	5220.000	104.71			98.00	34.93	6.00	34.22	100	0	Peak
4	X	5220.000	79.28			72.57	34.93	6.00	34.22	100	44	Average
5		5250.000	61.65	-12.35	74.00	54.89	34.95	6.00	34.19	100	0	Peak
6		5250.000	42.96	-11.04	54.00	36.20	34.95	6.00	34.19	100	44	Average
7		8430.000	53.25	-20.75	74.00	44.25	36.29	6.98	34.27	100	0	Peak
8		8430.000	43.23	-10.77	54.00	34.23	36.29	6.98	34.27	100	120	Average
9		10434.000	56.61	-17.39	74.00	92.00	-8.61	7.80	34.58	100	0	Peak
10		10434.000	37.50	-16.50	54.00	72.89	-8.61	7.80	34.58	100	115	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

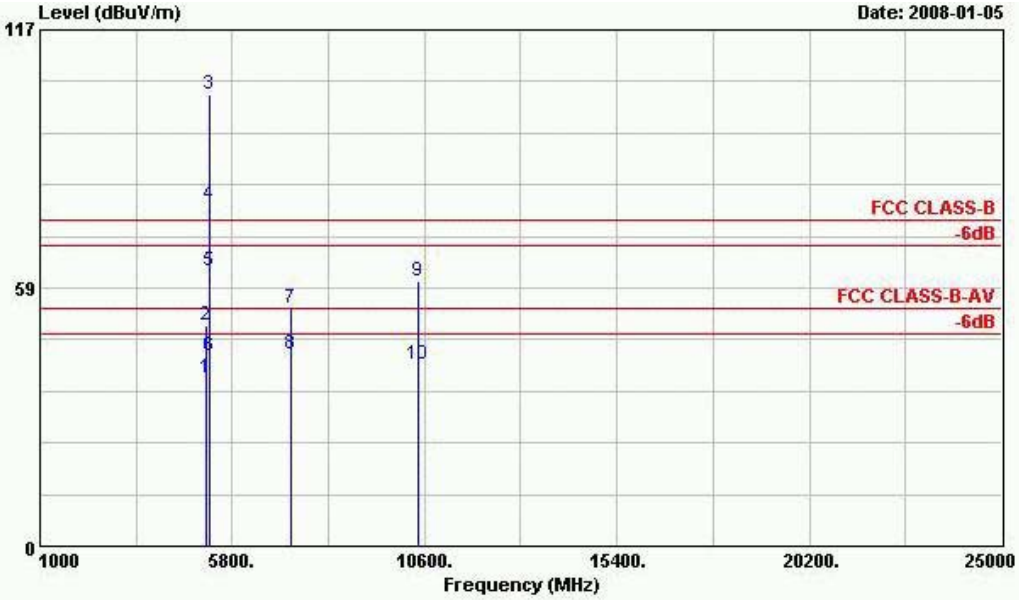
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH44;5220MHz
Data Rate:24

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	64.020	30.46	-9.54	40.00	53.30	4.29	1.14	28.27	---	---	Peak
2 !	248.970	40.43	-5.57	46.00	53.59	12.50	2.05	27.70	---	---	Peak
3	282.450	39.90	-6.10	46.00	52.96	12.40	2.17	27.64	---	---	Peak
4 !	309.800	41.26	-4.74	46.00	54.01	12.64	2.27	27.67	100	187	Peak
5	478.500	30.82	-15.18	46.00	40.24	16.65	2.77	28.85	---	---	Peak
6	668.200	33.41	-12.59	46.00	39.00	20.06	3.45	29.10	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



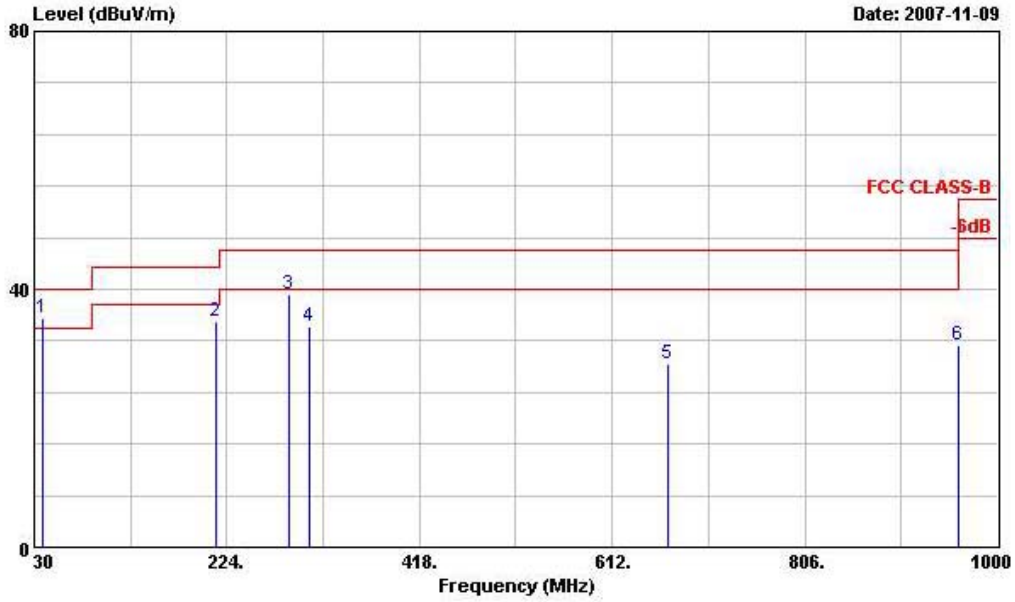
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH44;5220MHz
Data Rate:24

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	38.14	-15.86	54.00	31.49	34.89	6.00	34.24	100	62	Average
2		5150.000	50.16	-23.84	74.00	43.51	34.89	6.00	34.24	100	0	Peak
3	@	5220.000	102.49			95.78	34.93	6.00	34.22	100	0	Peak
4	X	5220.000	77.33			70.62	34.93	6.00	34.22	100	62	Average
5		5250.000	62.16	-11.84	74.00	55.40	34.95	6.00	34.19	100	0	Peak
6		5250.000	43.18	-10.82	54.00	36.42	34.95	6.00	34.19	100	62	Average
7		7260.000	53.89	-20.11	74.00	44.58	36.00	6.46	33.15	100	0	Peak
8		7260.000	43.57	-10.43	54.00	34.26	36.00	6.46	33.15	100	174	Average
9		10446.000	60.20	-13.80	74.00	95.56	-8.58	7.80	34.58	100	0	Peak
10		10446.000	41.30	-12.70	54.00	76.66	-8.58	7.80	34.58	100	11	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 3
- Polarization : Horizontal

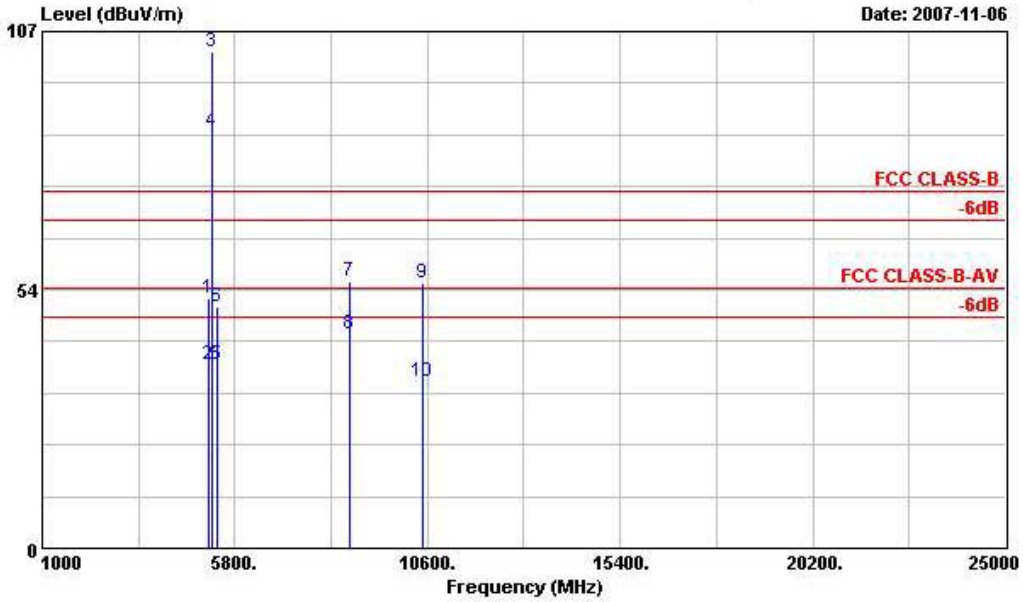
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 7O1819
MEMO :802.11a TX_CH48;5240MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	38.100	35.50	-4.50	40.00	49.21	13.61	0.95	28.27	100	187	Peak
2	213.330	34.93	-8.57	43.50	51.02	9.76	1.93	27.77	---	---	Peak
3	286.770	39.22	-6.78	46.00	52.28	12.38	2.19	27.63	---	---	Peak
4	307.700	34.15	-11.85	46.00	46.96	12.58	2.27	27.66	---	---	Peak
5	668.200	28.54	-17.46	46.00	34.13	20.06	3.45	29.10	---	---	Peak
6	960.100	31.24	-22.76	54.00	30.90	25.04	3.99	28.68	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



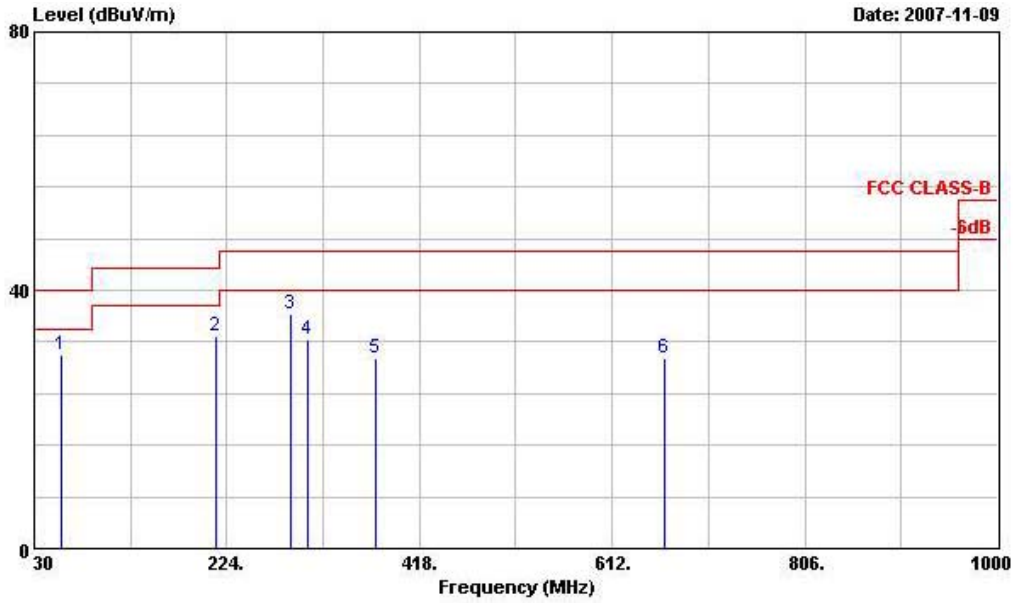
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH48;5240MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.000	51.80	-22.20	74.00	46.66	33.38	6.00	34.24	100	0	Peak
2	5150.000	38.12	-15.88	54.00	32.98	33.38	6.00	34.24	119	6	Average
3 @	5240.000	102.81			97.54	33.48	6.00	34.21	100	0	Peak
4 @	5240.000	86.14			80.87	33.48	6.00	34.21	119	6	Average
5	5350.000	37.92	-16.08	54.00	32.45	33.62	6.00	34.15	119	6	Average
6	5350.000	50.05	-23.95	74.00	44.58	33.62	6.00	34.15	100	0	Peak
7	8678.000	55.36	-18.64	74.00	45.07	37.72	7.11	34.54	100	0	Peak
8	8678.000	44.45	-9.55	54.00	34.16	37.72	7.11	34.54	100	134	Average
9	10482.000	54.86	-19.14	74.00	90.12	-8.53	7.80	34.53	100	0	Peak
10	10482.000	34.58	-19.42	54.00	69.84	-8.53	7.80	34.53	100	6	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

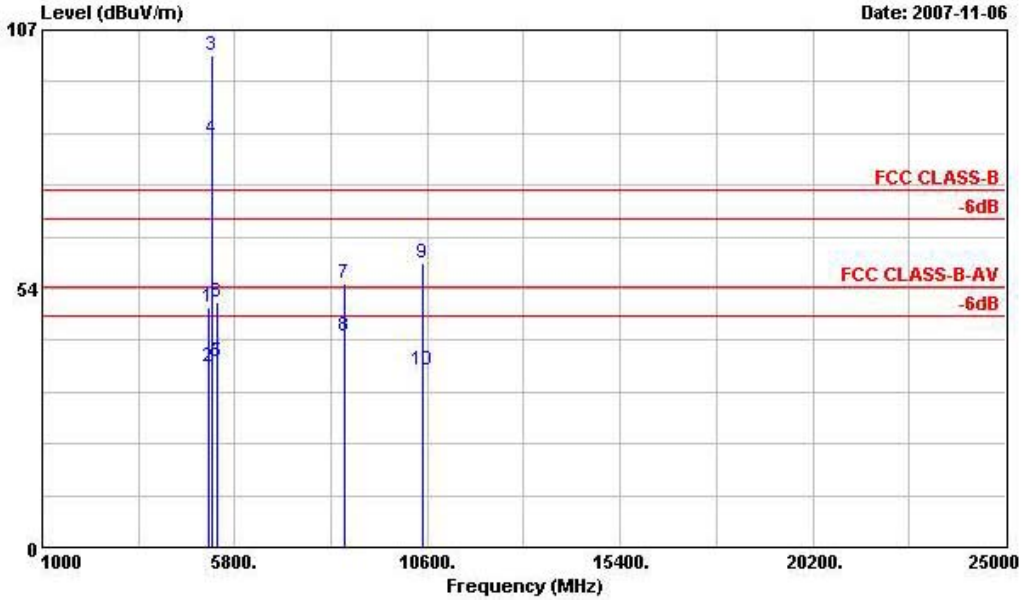
■ The test that passed at minimum margin was marked by the boldface in the following table.




```
Site      :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT       :N/B
POWER     :120Vac/60Hz
MODEL     :FR 701819
MEMO      :802.11a TX_CH48;5240MHz
Data Rate:9
```

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	57.540	30.12	-9.88	40.00	52.83	4.49	1.09	28.28	---	---	Peak
2	213.060	32.97	-10.53	43.50	49.06	9.76	1.92	27.77	---	---	Peak
3	287.850	36.22	-9.78	46.00	49.28	12.37	2.19	27.62	100	287	Peak
4	304.900	32.32	-13.68	46.00	45.22	12.48	2.26	27.63	---	---	Peak
5	374.200	29.54	-16.46	46.00	40.29	14.88	2.49	28.12	---	---	Peak
6	665.400	29.44	-16.56	46.00	35.04	20.06	3.45	29.10	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



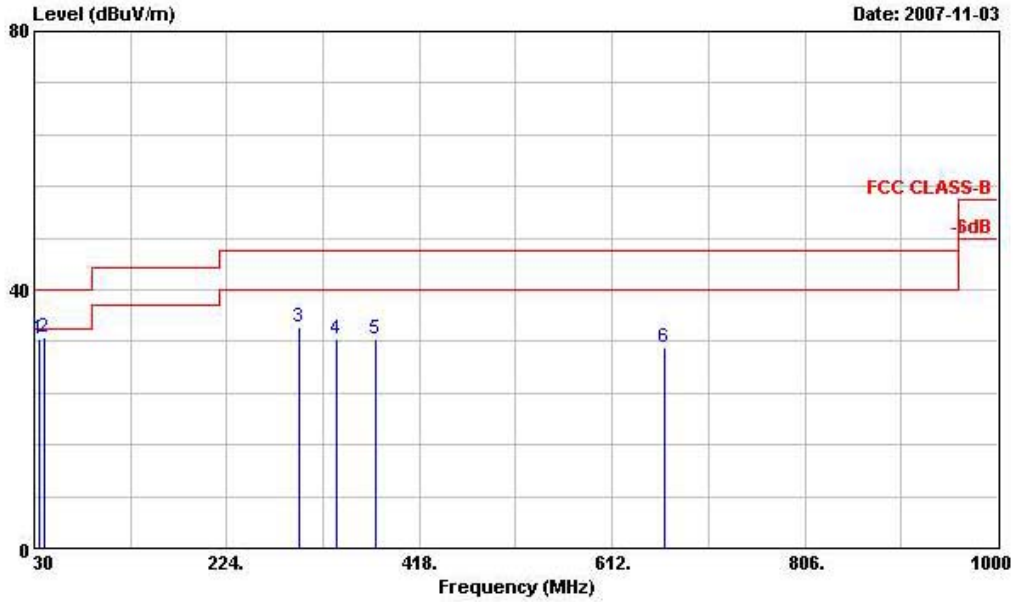
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH48;5240MHz
Data Rate:9

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	49.72	-24.28	74.00	44.58	33.38	6.00	34.24	100	0	Peak
2		5150.000	37.34	-16.66	54.00	32.20	33.38	6.00	34.24	100	3	Average
3	@	5240.000	101.61			96.34	33.48	6.00	34.21	100	0	Peak
4	@	5240.000	84.44			79.17	33.48	6.00	34.21	100	3	Average
5		5350.000	38.25	-15.75	54.00	32.78	33.62	6.00	34.15	100	3	Average
6		5350.000	50.74	-23.26	74.00	45.27	33.62	6.00	34.15	100	0	Peak
7		8550.000	54.61	-19.39	74.00	44.44	37.56	7.05	34.44	100	0	Peak
8		8550.000	43.51	-10.49	54.00	33.34	37.56	7.05	34.44	100	45	Average
9		10478.000	58.83	-15.17	74.00	94.09	-8.53	7.80	34.53	100	0	Peak
10		10478.000	36.45	-17.55	54.00	71.71	-8.53	7.80	34.53	100	6	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 4
- Polarization : Horizontal

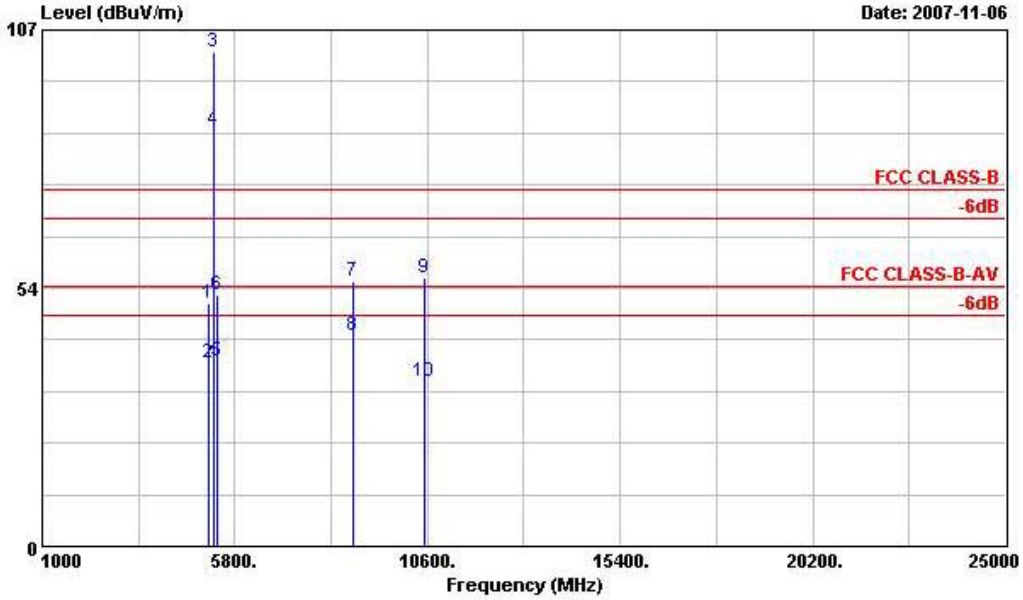
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT : N/B
POWER : 120Vac/60Hz
MODEL : FR 7O1819
MEMO : 802.11a TX_CH52;5260MHz
Data Rate: 9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.130	32.34	-7.66	40.00	41.79	16.29	0.91	26.65	---	---	Peak
2	39.450	32.65	-7.35	40.00	46.51	11.82	0.96	26.64	100	196	Peak
3	296.220	34.16	-11.84	46.00	45.34	12.33	2.23	25.74	---	---	Peak
4	335.000	32.27	-13.73	46.00	42.37	13.51	2.35	25.97	---	---	Peak
5	374.200	32.49	-13.51	46.00	41.36	14.88	2.49	26.24	---	---	Peak
6	665.400	31.15	-14.85	46.00	34.67	20.06	3.45	27.02	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



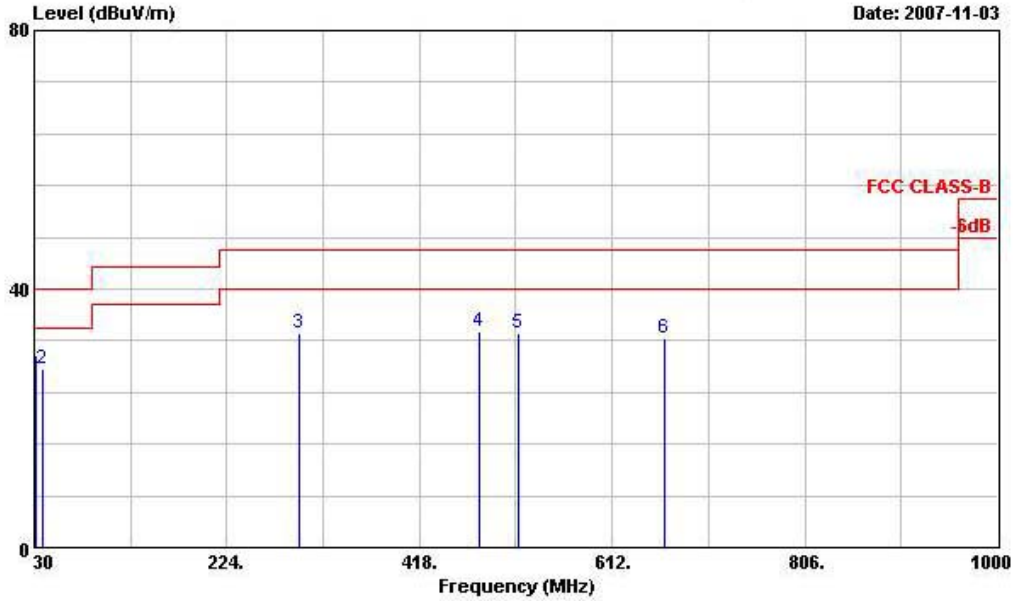
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH52;5260MHz
Data Rate:9

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		5150.000	50.29	-23.71	74.00	45.15	33.38	6.00	34.24	100	0	Peak
2		5150.000	37.93	-16.07	54.00	32.79	33.38	6.00	34.24	114	255	Average
3	X	5260.000	102.28			96.95	33.52	6.00	34.19	100	0	Peak
4	@	5260.000	86.18			80.85	33.52	6.00	34.19	114	255	Average
5		5350.000	38.48	-15.52	54.00	33.01	33.62	6.00	34.15	114	255	Average
6		5350.000	52.06	-21.94	74.00	46.59	33.62	6.00	34.15	100	0	Peak
7		8732.000	54.88	-19.12	74.00	44.55	37.78	7.13	34.58	100	0	Peak
8		8732.000	43.80	-10.20	54.00	33.47	37.78	7.13	34.58	100	187	Average
9		10522.000	55.75	-18.25	74.00	90.94	-8.49	7.80	34.50	100	0	Peak
10		10522.000	34.13	-19.87	54.00	69.32	-8.49	7.80	34.50	100	22	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

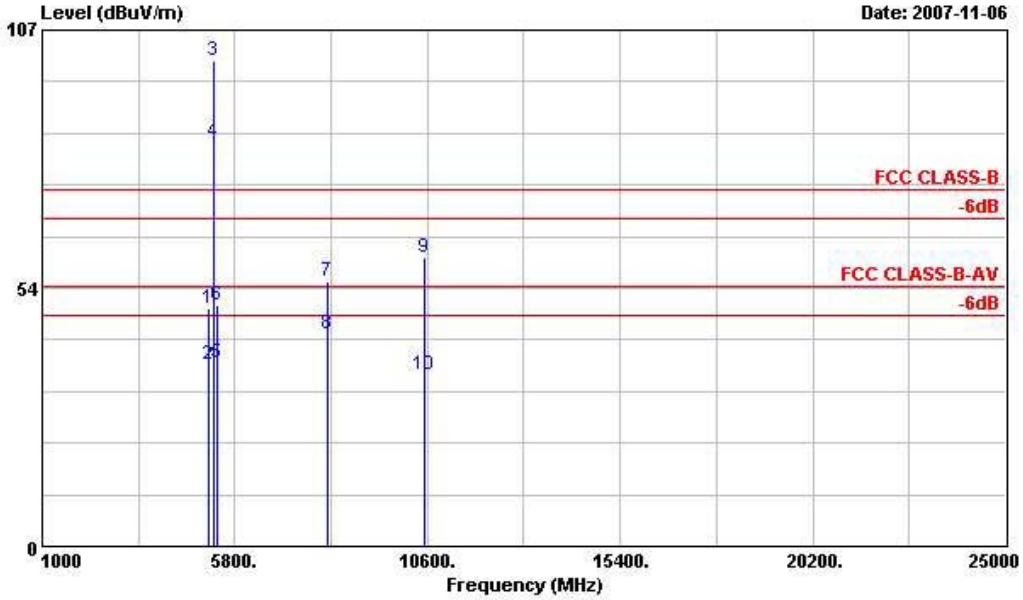
■ The test that passed at minimum margin was marked by the boldface in the following table.




```
Site      :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT       :N/B
POWER     :120Vac/60Hz
MODEL     :FR 701819
MEMO      :802.11a TX_CH52;5260MHz
Data Rate:9
```

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	29.75	-10.25	40.00	39.18	16.34	0.89	26.66	100	161	Peak
2	38.370	27.51	-12.49	40.00	40.49	12.71	0.95	26.64	---	---	Peak
3	297.570	33.04	-12.96	46.00	44.22	12.32	2.23	25.74	---	---	Peak
4	478.500	33.49	-12.51	46.00	41.00	16.65	2.77	26.94	---	---	Peak
5	517.700	33.08	-12.92	46.00	39.84	17.43	2.88	27.07	---	---	Peak
6	665.400	32.45	-13.55	46.00	35.97	20.06	3.45	27.02	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



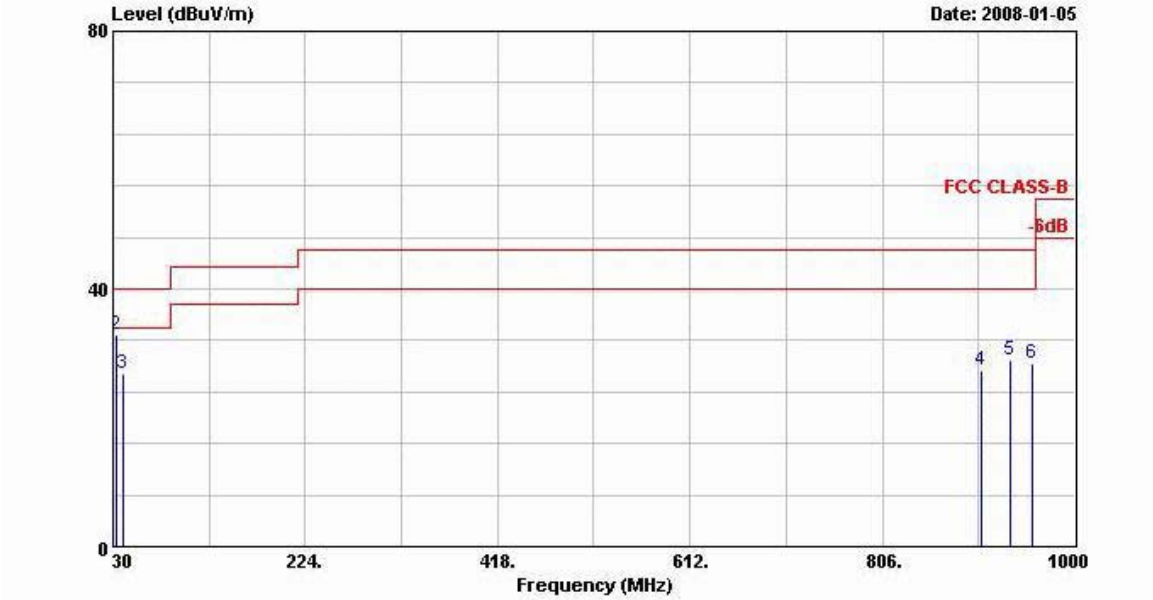
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH52;5260MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.000	49.37	-24.63	74.00	44.23	33.38	6.00	34.24	100	0	Peak
2	5150.000	37.55	-16.45	54.00	32.41	33.38	6.00	34.24	100	6	Average
3 X	5260.000	100.76			95.43	33.52	6.00	34.19	100	0	Peak
4 @	5260.000	83.74			78.41	33.52	6.00	34.19	100	6	Average
5	5350.000	37.91	-16.09	54.00	32.44	33.62	6.00	34.15	100	6	Average
6	5350.000	49.96	-24.04	74.00	44.49	33.62	6.00	34.15	100	0	Peak
7	8102.000	54.82	-19.18	74.00	44.83	36.94	6.81	33.77	100	0	Peak
8	8102.000	44.14	-9.86	54.00	34.15	36.94	6.81	33.77	100	177	Average
9	10521.000	59.77	-14.23	74.00	94.96	-8.49	7.80	34.50	100	0	Peak
10	10521.000	35.39	-18.61	54.00	70.58	-8.49	7.80	34.50	100	14	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 5
- Polarization : Horizontal

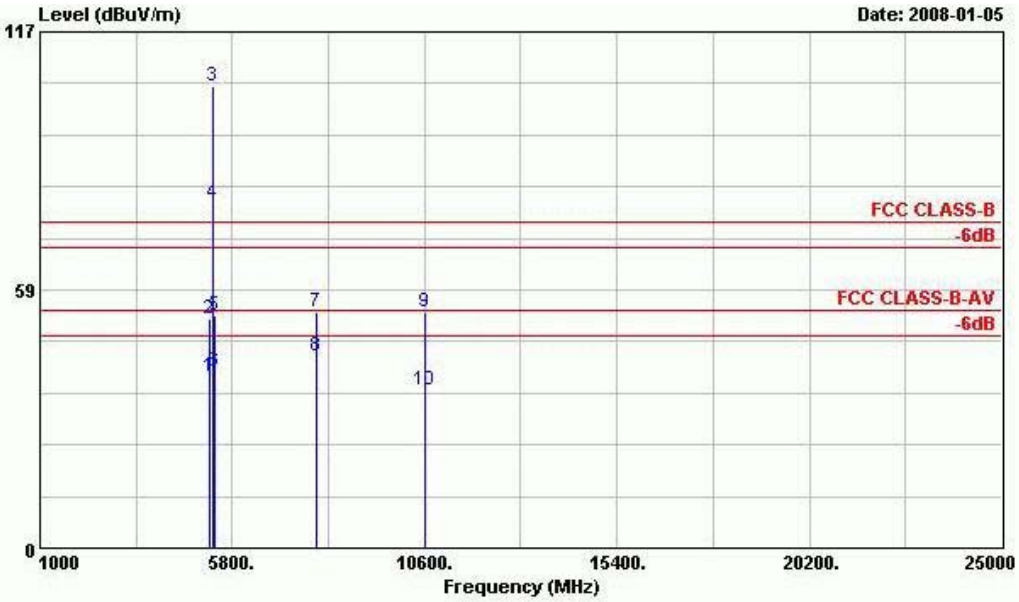
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT : N/B
POWER : 120Vac/60Hz
MODEL : FR 7O1819
MEMO : 802.11a TX_CH60;5300MHz
Data Rate: 24

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.000	24.70	-15.30	40.00	35.70	16.38	0.87	28.25	---	---	Peak
2 @	32.970	32.95	-7.05	40.00	43.99	16.33	0.90	28.26	100	143	Peak
3	40.530	26.81	-13.19	40.00	42.65	11.46	0.97	28.28	---	---	Peak
4	906.200	27.47	-18.53	46.00	28.64	23.66	3.96	28.79	---	---	Peak
5	934.200	28.92	-17.08	46.00	29.30	24.37	3.97	28.73	---	---	Peak
6	956.600	28.29	-17.71	46.00	28.05	24.94	3.98	28.69	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



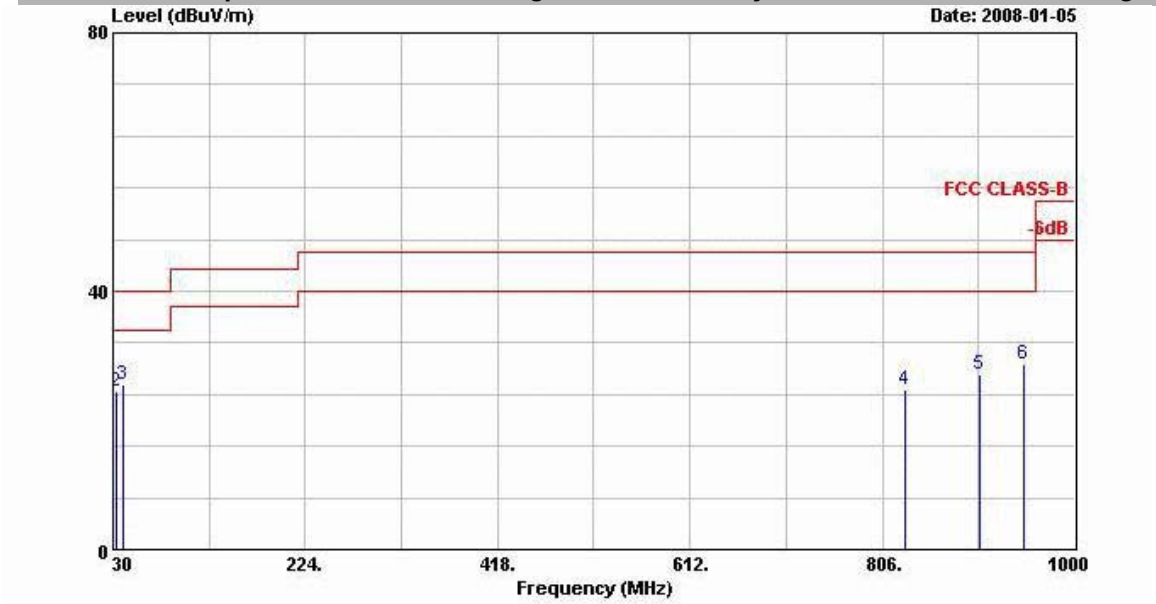
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH60;5300MHz
Data Rate:24

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5250.000	38.81	-15.19	54.00	32.05	34.95	6.00	34.19	100	51	Average
2	5250.000	52.06	-21.94	74.00	45.30	34.95	6.00	34.19	100	0	Peak
3 @	5300.000	104.57			97.76	34.98	6.00	34.17	100	0	Peak
4 @	5300.000	78.20			71.39	34.98	6.00	34.17	100	51	Average
5	5350.000	52.72	-21.28	74.00	45.86	35.01	6.00	34.15	100	0	Peak
6	5350.000	40.03	-13.97	54.00	33.17	35.01	6.00	34.15	100	51	Average
7	7886.000	53.57	-20.43	74.00	44.35	36.15	6.71	33.65	100	0	Peak
8	7886.000	43.35	-10.65	54.00	34.13	36.15	6.71	33.65	100	109	Average
9	10593.000	53.54	-20.46	74.00	88.65	-8.46	7.80	34.45	100	0	Peak
10	10593.000	35.64	-18.36	54.00	70.75	-8.46	7.80	34.45	100	116	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

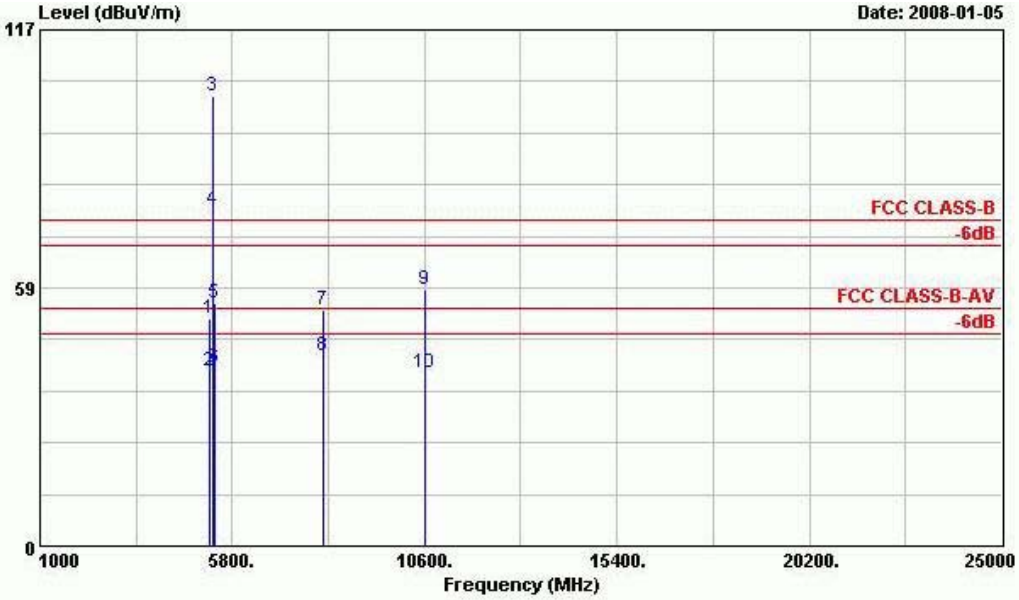
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH60;5300MHz
Data Rate:24

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.000	23.73	-16.27	40.00	34.73	16.38	0.87	28.25	---	---	Peak
2	32.700	24.41	-15.59	40.00	35.45	16.33	0.90	28.26	---	---	Peak
3	40.260	25.62	-14.38	40.00	41.46	11.46	0.97	28.28	100	146	Peak
4	828.500	24.78	-21.22	46.00	29.04	20.88	3.73	28.87	---	---	Peak
5	903.400	27.19	-18.81	46.00	28.44	23.58	3.96	28.79	---	---	Peak
6	948.900	28.59	-17.41	46.00	28.57	24.74	3.98	28.70	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



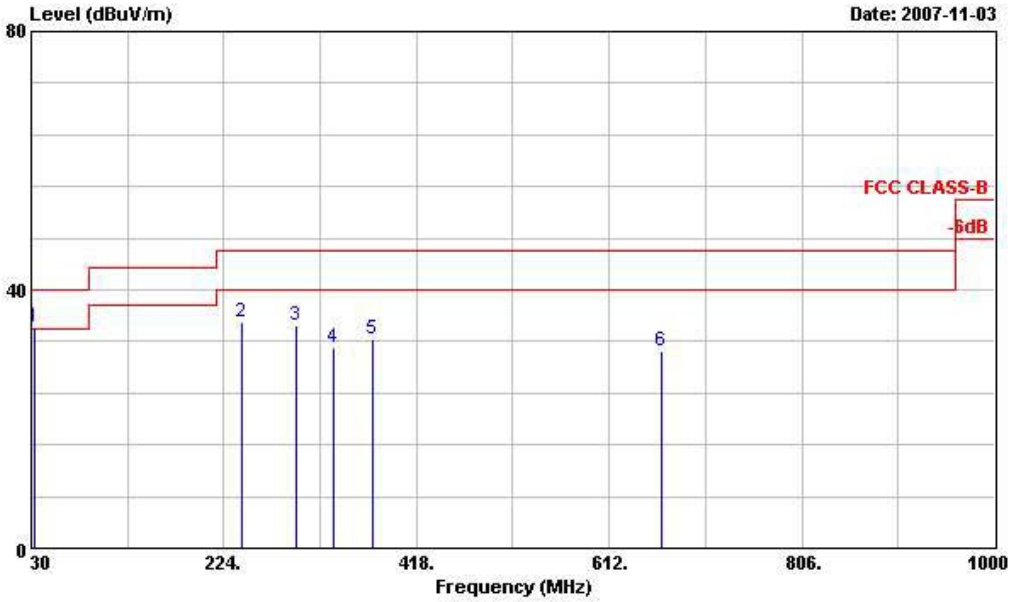
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH60;5300MHz
Data Rate:24

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5250.000	51.50	-22.50	74.00	44.74	34.95	6.00	34.19	100	0	Peak
2	5250.000	39.50	-14.50	54.00	32.74	34.95	6.00	34.19	125	186	Average
3 @	5300.000	102.01			95.20	34.98	6.00	34.17	100	0	Peak
4 @	5300.000	76.02			69.21	34.98	6.00	34.17	125	186	Average
5	5350.000	54.89	-19.11	74.00	48.03	35.01	6.00	34.15	100	0	Peak
6	5350.000	40.50	-13.50	54.00	33.64	35.01	6.00	34.15	125	186	Average
7	8068.000	53.46	-20.54	74.00	44.15	36.21	6.78	33.68	100	0	Peak
8	8068.000	43.14	-10.86	54.00	33.83	36.21	6.78	33.68	100	187	Average
9	10602.000	58.19	-15.81	74.00	93.28	-8.46	7.80	34.44	100	0	Peak
10	10602.000	39.09	-14.91	54.00	74.18	-8.46	7.80	34.44	100	4	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 6
- Polarization : Horizontal

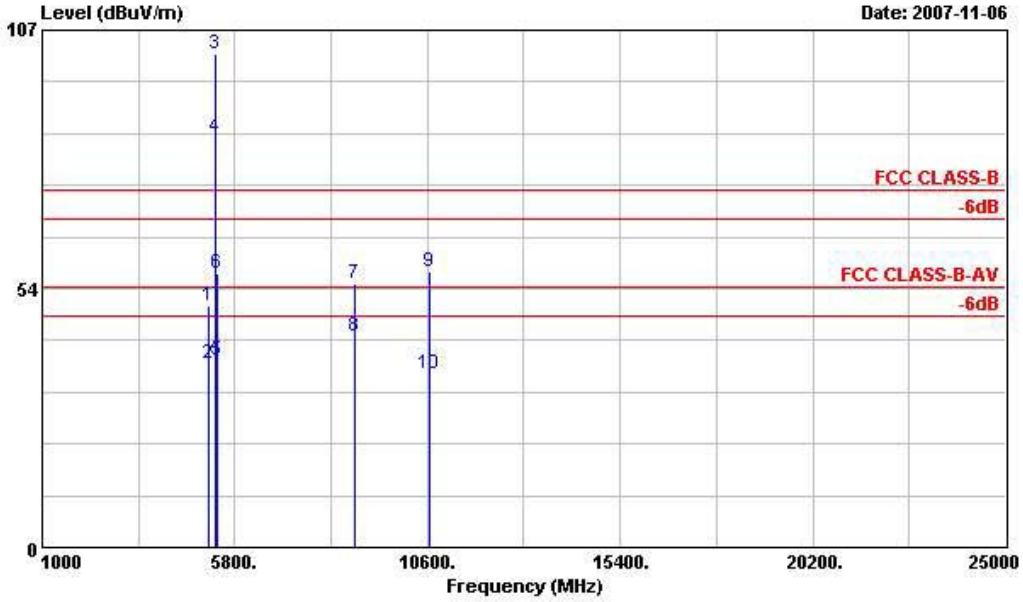
■ The test that passed at minimum margin was marked by the boldface in the following table.




```
Site      :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT       :N/B
POWER     :120Vac/60Hz
MODEL     :FR 7O1819
MEMO      :802.11a TX_CH64;5320MHz
Data Rate:9
```

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	**33.780**	**34.15**	**-5.85**	**40.00**	**43.59**	**16.31**	**0.91**	**26.66**	**100**	**171**	**Peak**
2	242.220	34.89	-11.11	46.00	46.83	11.98	2.02	25.94	---	---	Peak
3	296.220	34.57	-11.43	46.00	45.75	12.33	2.23	25.74	---	---	Peak
4	335.000	30.97	-15.03	46.00	41.07	13.51	2.35	25.97	---	---	Peak
5	374.200	32.36	-13.64	46.00	41.23	14.88	2.49	26.24	---	---	Peak
6	665.400	30.58	-15.42	46.00	34.10	20.06	3.45	27.02	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



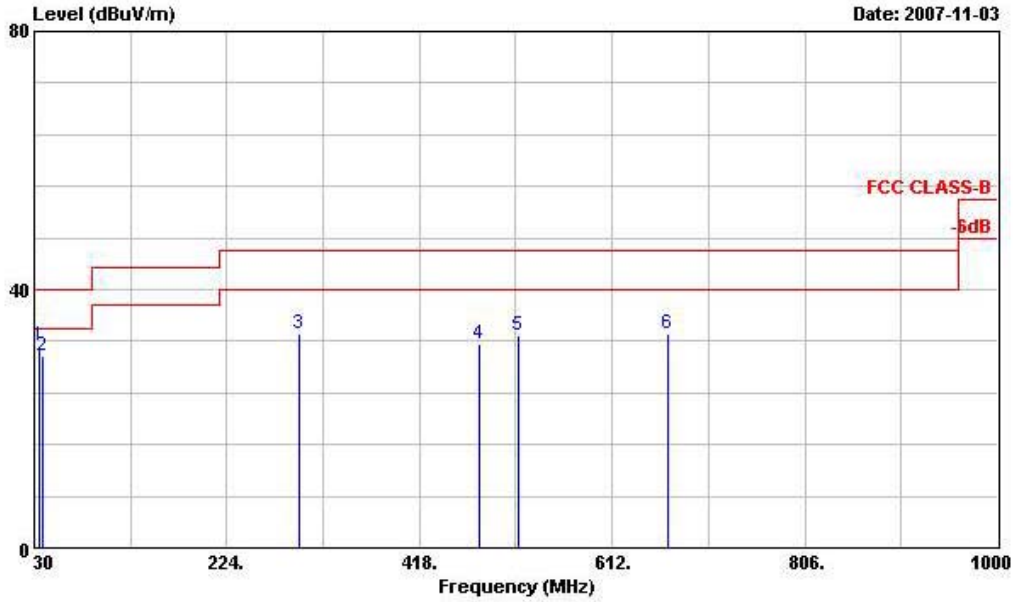
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH64;5320MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.000	50.04	-23.96	74.00	44.90	33.38	6.00	34.24	100	0	Peak
2	5150.000	37.86	-16.14	54.00	32.72	33.38	6.00	34.24	154	7	Average
3 @	5320.000	101.99			96.58	33.58	6.00	34.17	100	0	Peak
4 @	5320.000	84.70			79.29	33.58	6.00	34.17	154	7	Average
5	5350.000	38.88	-15.12	54.00	33.41	33.62	6.00	34.15	154	7	Average
6	5350.000	56.80	-17.20	74.00	51.33	33.62	6.00	34.15	100	0	Peak
7	8796.000	54.69	-19.31	74.00	44.30	37.86	7.17	34.64	100	0	Peak
8	8796.000	43.64	-10.36	54.00	33.25	37.86	7.17	34.64	100	173	Average
9	10638.000	57.09	-16.91	74.00	92.15	-8.44	7.80	34.42	100	0	Peak
10	10638.000	35.74	-18.26	54.00	70.80	-8.44	7.80	34.42	100	73	Average

Remark: #11 and #12 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

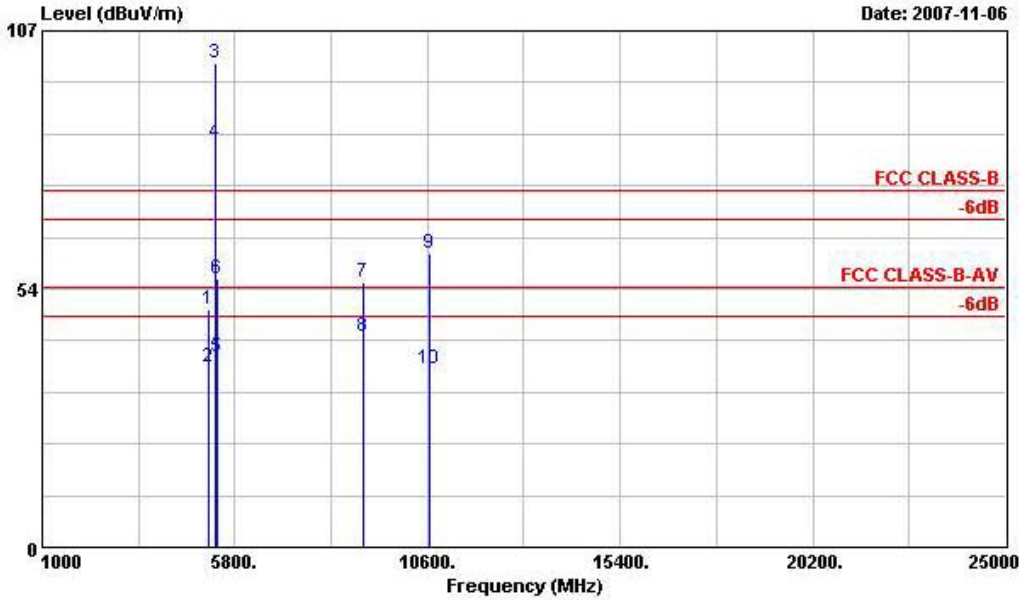
■ The test that passed at minimum margin was marked by the boldface in the following table.




```
Site      :03CH04-HY
Condition:FCC CLASS-B 3m ANT2724 VERTICAL
EUT       :N/B
POWER     :120Vac/60Hz
MODEL     :FR 701819
MEMO      :802.11a TX_CH64;5320MHz
Data Rate:9
```

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.940	31.34	-8.66	40.00	41.67	15.40	0.93	26.65	100	144	Peak
2	39.180	29.63	-10.37	40.00	42.60	12.71	0.96	26.64	---	---	Peak
3	297.300	33.07	-12.93	46.00	44.25	12.32	2.23	25.74	---	---	Peak
4	478.500	31.70	-14.30	46.00	39.21	16.65	2.77	26.94	---	---	Peak
5	517.700	32.91	-13.09	46.00	39.67	17.43	2.88	27.07	---	---	Peak
6	668.200	33.22	-12.78	46.00	36.73	20.06	3.45	27.02	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



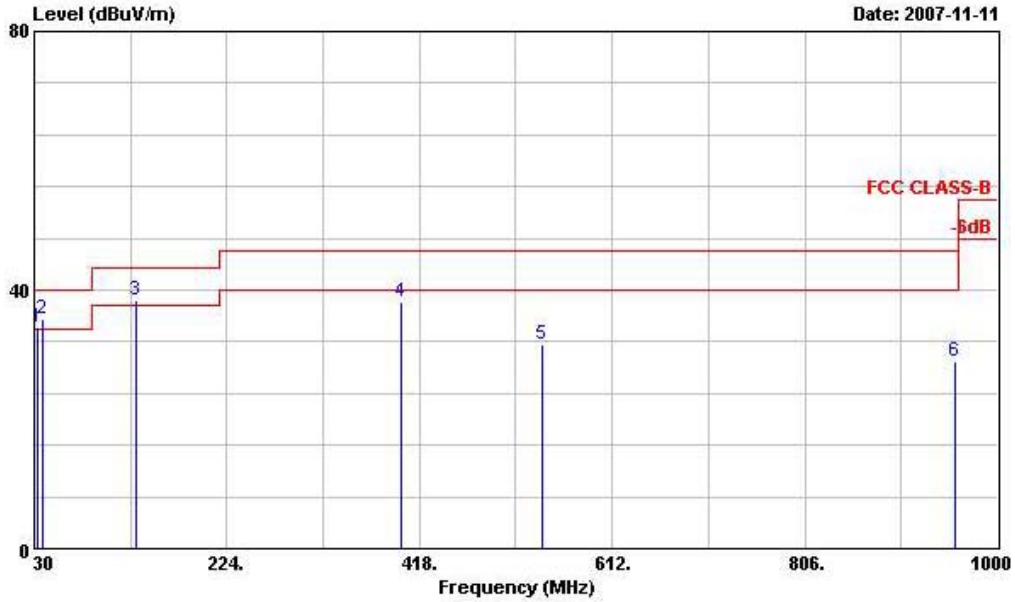
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-6903 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :802.11a TX_CH64;5320MHz
Data Rate:9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5150.000	49.13	-24.87	74.00	43.99	33.38	6.00	34.24	100	0	Peak
2	5150.000	37.22	-16.78	54.00	32.08	33.38	6.00	34.24	107	8	Average
3 @	5320.000	100.43			95.02	33.58	6.00	34.17	100	0	Peak
4 @	5320.000	83.85			78.44	33.58	6.00	34.17	107	8	Average
5	5350.000	39.25	-14.75	54.00	33.78	33.62	6.00	34.15	107	8	Average
6	5350.000	55.49	-18.51	74.00	50.02	33.62	6.00	34.15	100	0	Peak
7	8990.000	55.00	-19.00	74.00	44.43	38.08	7.27	34.78	100	0	Peak
8	8990.000	43.80	-10.20	54.00	33.23	38.08	7.27	34.78	100	139	Average
9	10641.000	60.95	-13.05	74.00	96.01	-8.44	7.80	34.42	100	0	Peak
10	10641.000	37.11	-16.89	54.00	72.17	-8.44	7.80	34.42	100	110	Average

Remark: #3 and #4 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Test Mode : Mode 7
- Polarization : Horizontal

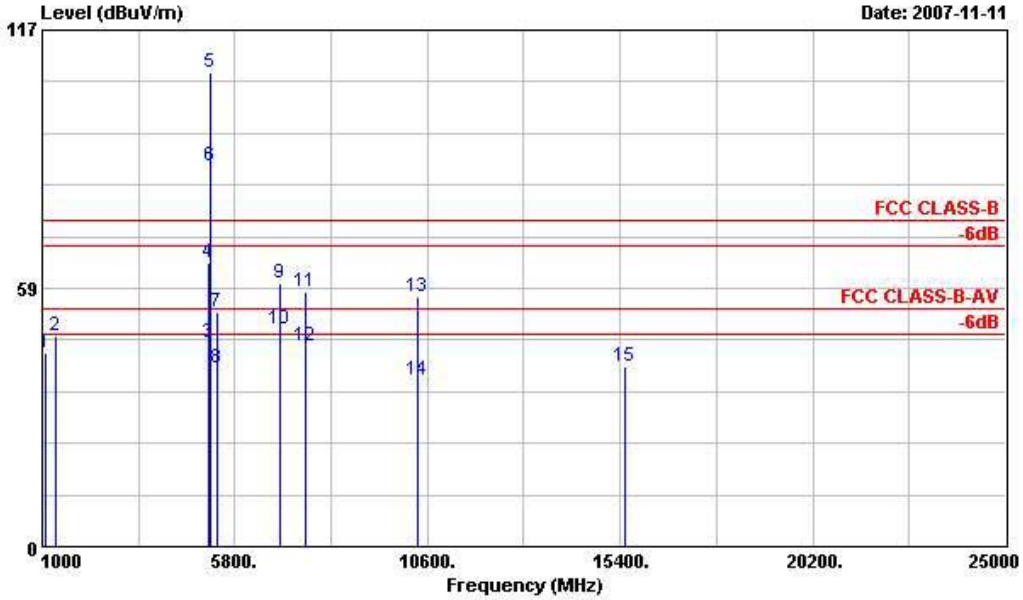
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
EUT : N/B
POWER : 120Vac/60Hz
MODEL : FR 7O1819
MEMO : 11n(a) Tx(20M)_CH36;5180MHz
Data Rate: 48

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	33.780	34.10	-5.90	40.00	45.15	16.31	0.91	28.26	---	---	Peak
2 !	38.100	35.62	-4.38	40.00	49.33	13.61	0.95	28.27	100	156	Peak
3 !	132.060	38.45	-5.05	43.50	53.68	11.28	1.56	28.07	---	---	Peak
4	399.400	38.12	-7.88	46.00	48.09	15.75	2.57	28.29	---	---	Peak
5	542.200	31.64	-14.36	46.00	39.55	18.16	2.97	29.04	---	---	Peak
6	956.600	28.83	-17.17	46.00	28.59	24.94	3.98	28.69	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



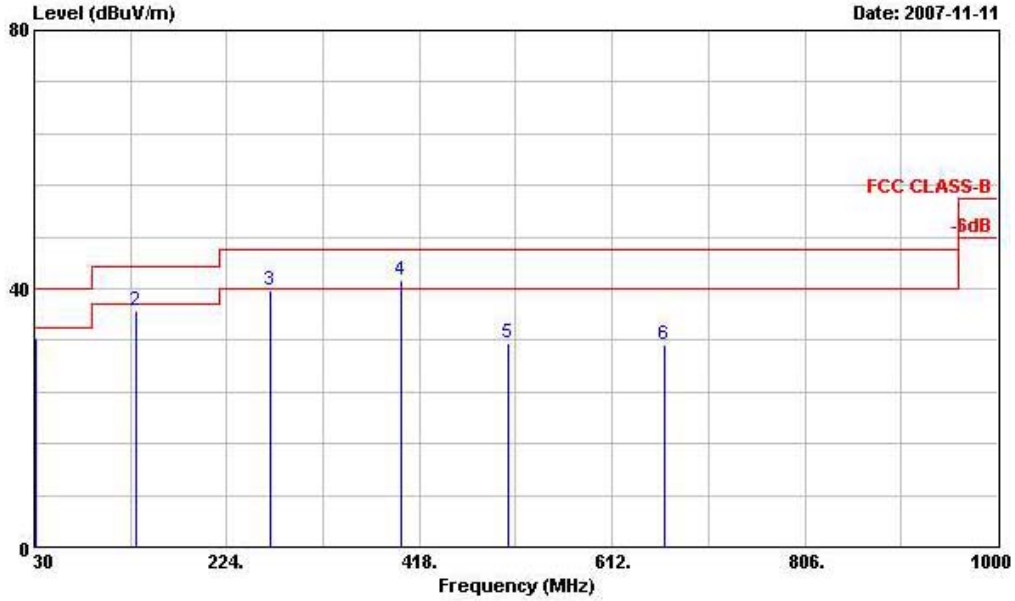
Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-10094 HORIZONTAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :11n(a) Tx(20M)_CH36;5180MHz
Data Rate:48

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	43.69	-30.31	74.00	50.08	25.53	2.34	34.26	100	0	Peak
2	1334.000	47.74	-26.26	74.00	52.54	26.55	2.60	33.95	100	0	Peak
3	5150.000	46.00	-8.00	54.00	38.96	35.28	6.00	34.24	102	350	Average
4	5150.000	64.26	-9.74	74.00	57.22	35.28	6.00	34.24	100	0	Peak
5 @	5180.000	107.55			100.46	35.32	6.00	34.23	100	0	Peak
6 @	5180.000	86.12			79.03	35.32	6.00	34.23	102	350	Average
7	5350.000	52.94	-21.06	74.00	45.57	35.52	6.00	34.15	100	0	Peak
8	5350.000	40.40	-13.60	54.00	33.03	35.52	6.00	34.15	102	350	Average
9	6908.000	59.73	-14.27	74.00	47.21	38.75	6.33	32.56	100	0	Peak
10 !	6908.000	49.12	-4.88	54.00	36.60	38.75	6.33	32.56	100	124	Average
11	7572.000	57.55	-16.45	74.00	45.31	39.42	6.59	33.77	100	0	Peak
12	7572.000	45.31	-8.69	54.00	33.07	39.42	6.59	33.77	100	121	Average
13	10362.000	56.57	-17.43	74.00	92.15	-8.72	7.80	34.65	100	0	Peak
14	10362.000	37.54	-16.46	54.00	73.12	-8.72	7.80	34.65	100	76	Average
15	15537.000	40.69	-33.31	74.00	73.78	-7.26	8.69	34.52	100	0	Peak

Remark: #5 and #6 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

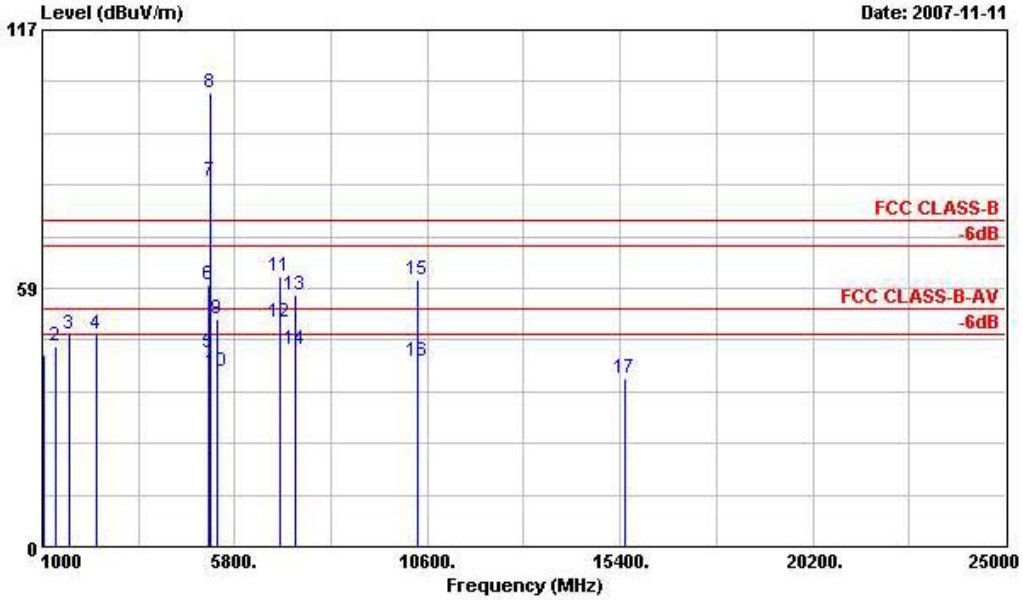
■ The test that passed at minimum margin was marked by the boldface in the following table.



Site : 03CH04-HY
Condition: FCC CLASS-B 3m ANT2724 VERTICAL
EUT : N/B
POWER : 120Vac/60Hz
MODEL : FR 7O1819
MEMO : 11n(a) Tx(20M)_CH36;5180MHz
Data Rate: 48

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.620	32.42	-7.58	40.00	43.46	16.34	0.88	28.26	---	---	Peak
2	132.060	36.69	-6.81	43.50	51.92	11.28	1.56	28.07	---	---	Peak
3	268.410	39.61	-6.39	46.00	52.68	12.47	2.12	27.66	---	---	Peak
4 !	400.100	41.41	-4.59	46.00	51.37	15.76	2.58	28.30	100	147	Peak
5	506.500	31.66	-14.34	46.00	40.75	17.08	2.84	29.01	---	---	Peak
6	665.400	31.34	-14.66	46.00	36.94	20.06	3.45	29.10	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.



Site :03CH04-HY
Condition:FCC CLASS-B 3m HF-ANT-10094 VERTICAL
EUT :N/B
POWER :120Vac/60Hz
MODEL :FR 701819
MEMO :11n(a) Tx(20M)_CH36;5180MHz
Data Rate:48

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		1052.000	43.42	-30.58	74.00	50.15	25.32	2.28	34.33	100	0	Peak
2		1334.000	45.31	-28.69	74.00	50.11	26.55	2.60	33.95	100	0	Peak
3		1668.000	48.26	-25.74	74.00	50.52	28.47	2.97	33.70	100	0	Peak
4		2334.000	48.12	-25.88	74.00	47.66	30.54	3.69	33.77	100	0	Peak
5		5150.000	43.98	-10.02	54.00	36.89	35.32	6.00	34.23	100	30	Average
6		5150.000	59.43	-14.57	74.00	52.34	35.32	6.00	34.23	100	0	Peak
7	X	5180.000	82.73			75.64	35.32	6.00	34.23	100	30	Average
8	@	5180.000	102.89			95.80	35.32	6.00	34.23	100	0	Peak
9		5350.000	51.52	-22.48	74.00	44.15	35.52	6.00	34.15	100	0	Peak
10		5350.000	39.69	-14.31	54.00	32.32	35.52	6.00	34.15	100	30	Average
11		6908.000	61.36	-12.64	74.00	48.84	38.75	6.33	32.56	100	0	Peak
12	!	6908.000	50.98	-3.02	54.00	38.46	38.75	6.33	32.56	100	211	Average
13		7310.000	57.06	-16.94	74.00	44.53	39.32	6.48	33.28	100	0	Peak
14		7310.000	44.53	-9.47	54.00	32.00	39.32	6.48	33.28	100	49	Average
15		10362.000	60.35	-13.65	74.00	95.93	-8.72	7.80	34.65	100	0	Peak
16		10362.000	42.14	-11.86	54.00	77.72	-8.72	7.80	34.65	100	165	Average
17		15537.000	38.06	-35.94	74.00	71.01	-7.12	8.69	34.52	100	0	Peak

Remark: #7 and #8 Fundamental Signal
Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.