



FCC RF Test Report

APPLICANT : Getac Technology Corporation
EQUIPMENT : Notebook PC
BRAND NAME : Getac
MODEL NAME : B300
FCC ID : MAU304
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : Digital Transmission System (DTS)

The product was received on Oct. 18, 2007 and completely tested on Nov. 17, 2007. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Roy Wu, Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR980406B	Rev. 01	Initial issue of report	Sep. 04, 2009



1. General Description of Equipment under Test

1.1 Applicant

Getac Technology Corporation

5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.

1.2 Manufacturer

GeTAC Technology(Kunshan) LTD.

No. 269, 2nd Road, Export Processing Zone, Changjiang South Road, Kunshan, Jiangsu, P.R.C.

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Notebook PC
Brand Name	Getac
Model Name	B300
FCC ID	MAU304
Tx/Rx Frequency Range	802.11b/g/n : 2400 MHz ~ 2483.5 MHz 802.11a/n : 5725 MHz ~ 5850 MHz
Channel Spacing	802.11b/g : 5 MHz 802.11a : 20 MHz
Maximum Output Power to Antenna	<2400 MHz ~ 2483.5 MHz> 802.11b : 14.66 dBm 802.11g : 21.66 dBm 802.11n (BW 20MHz) : 23.99 dBm <5725 MHz ~ 5850 MHz> 802.11a : 21.09 dBm 802.11n (BW 20MHz) : 24.83 dBm 802.11n (BW 40MHz) : 21.89 dBm
Antenna Type	802.11b/g/n : PIFA Antenna with gain 1.55 dBi 802.11a/n : PIFA Antenna with gain 1.55 dBi
HW Version	R03
SW Version	R1.16
Type of Modulation	802.11b : DSSS (BPSK / QPSK / CCK) 802.11a/g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Identical Prototype

Remark:

1. For other wireless features of this EUT, test report will be issued separately.
2. This test report recorded only product characteristics and test results of Digital Transmission System (DTS).



List of Accessory:

Specification of Accessory		
AC Adapter 1	Brand Name	DELTA
	Model Name	ADP-90SB BB
	Power Rating	I/P:100-240Vac, 50-60Hz, 1.5A; O/P: 19Vdc, 4.74A
	DC Power Cord Type	1.75 meter shielded cable with ferrite core
AC Adapter 2	Brand Name	Getac
	Model Name	ADM-9019M
	Power Rating	I/P:100-240Vac, 50-60Hz, 1.5A; O/P: 19Vdc, 4.74A
	DC Power Cord Type	1.55 meter shielded cable with ferrite core
Battery	Brand Name	SAYNO
	Model Name	BP3S3P2550(P)
	Power Rating	10.8Vdc, 7650Ah
	Type	Li-ion
LCD Panel	Brand Name	Sanyo
	Model Name	L5S30348P01
WWAN Module	Brand Name	QUALCOMM
	Model Name	Gobi2000
WLAN Module	Brand Name	Intel
	Model Name	wireless 4965
Bluetooth Module	Brand Name	Billionton
	Model Name	GUBTCR42M
GPS Module	Brand Name	ENGINE BOARD
	Model Name	GOLOBALSAT.GPI

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. For accessories equipped with this EUT, please refer to the appendix of the external photo.



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 for each modes are as below:

802.11b

Channel	Frequency (MHz)	Data Rate (Mbps)			
		1	2	5.5	11
CH 01	2412 MHz	14.30	14.06	14.21	14.25
CH 06	2437 MHz	14.10	14.33	14.52	14.44
CH 11	2462 MHz	14.18	14.66	14.35	14.05

802.11g

Channel	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
CH 01	2412 MHz	20.50	20.72	21.32	20.89	21.15	21.06	20.70	20.10
CH 06	2437 MHz	20.67	20.49	20.58	20.52	20.78	20.24	20.84	20.85
CH 11	2462 MHz	21.66	21.09	21.34	21.12	21.25	21.00	20.74	20.71

802.11a

Channel	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
CH 149	5745 MHz	20.57	21.09	20.85	21.03	20.82	20.73	20.68	18.59
CH 157	5785 MHz	20.61	20.35	20.17	19.93	19.91	20.42	20.07	18.37
CH 165	5825 MHz	20.54	20.35	20.79	20.78	20.97	20.23	20.03	18.44

802.11n(g) (BW 20M)

Channel	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
CH 01	2412 MHz	22.31	22.99	22.57	22.80	22.60	22.67	22.96	22.95
CH 06	2437 MHz	22.42	22.76	22.88	23.02	23.00	22.82	23.06	22.86
CH 11	2462 MHz	23.99	23.60	23.32	23.24	23.80	23.24	23.94	23.66

802.11n(a) (BW 20M)

Channel	Frequency (MHz)	Data Rate (Mbps)						
		6	9	12	18	24	36	48
CH 149	5745 MHz	24.18	24.05	24.51	24.40	24.76	24.83	24.55
CH 157	5785 MHz	23.98	24.14	24.26	24.37	24.55	24.48	24.63
CH 165	5825 MHz	23.89	23.85	23.85	24.18	24.07	23.89	23.89



802.11n(a) (BW 40M)

Channel	Frequency (MHz)	Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
CH 151	5755 MHz	21.76	21.86	21.79	21.86	21.85	21.74	21.82	21.89
CH 159	5795 MHz	21.87	21.71	21.57	21.46	21.74	21.76	21.75	21.68

c. The highest RF output power's test modes were chosen for testing.

2.2 Test Mode

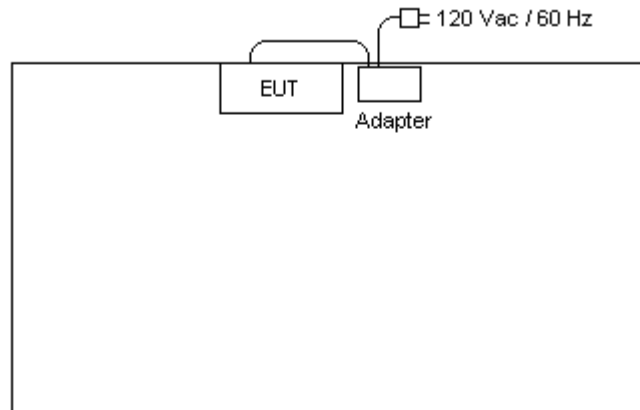
Application	Test Mode		
Radiated Emission / RF Conducted	802.11b	802.11g	802.11a
	Mode1:CH01_2412MHz Mode2:CH06_2437MHz Mode3:CH11_2462MHz	Mode4:CH01_2412MHz Mode5:CH06_2437MHz Mode6:CH11_2462MHz	Mode 7: CH149_5745MHz Mode 8: CH157_5785MHz Mode 9: CH165_5825MHz
	802.11n(g)	802.11n(a)	
	Mode 10: CH01_2412 MHz(BW 20M) Mode 11: CH06_2437 MHz(BW 20M) Mode 12: CH11_2462 MHz(BW 20M)	Mode13: CH149_5745MHz(BW 20M) Mode14: CH157_5785MHz(BW 20M) Mode15: CH165_5825MHz(BW 20M) Mode16: CH151_5755MHz(BW 40M) Mode17: CH159_5795MHz(BW 40M)	
	Co-location		
	Mode 18 : 802.11n(a) (BW 20M) Tx_Ch165 + BT Tx_Ch78		
Conducted Emission	Mode 1: BT Link + WLAN Link + Adapter 1		

2.3 Ancillary Equipment List

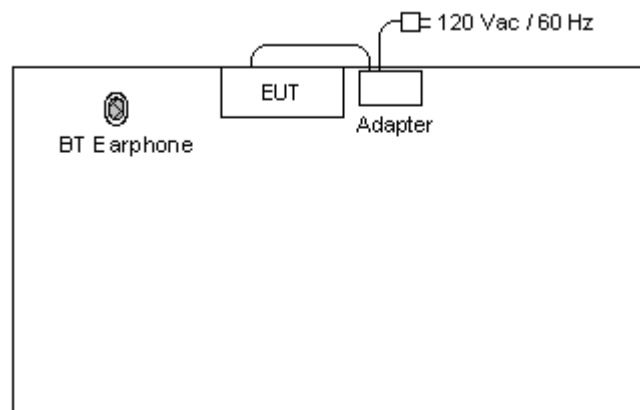
Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Engotech	ET-BH111	PQY471087	N/A	N/A

2.4 Connection Diagram of Test System

<Radiated Emission>



<Conducted Emission>





3. RF Utility

The programmed RF utility is installed in EUT to provide channel selection, power level, data rate and the application type. The 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
FCC Designation No : TW1022

4.1 Test Voltage

AC 120V / 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2003

4.3 Test Compliance

47 CFR Part 15 Subpart C

4.4 Frequency Range

- a. Conduction: from 150 kHz to 30 MHz
- b. Radiation: from 30 MHz to 25000 MHz

4.5 Test Distance

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



5. Test Data and Test Result

5.1 List of Measurements and Examinations

The Emission Mode: Wireless LAN

FCC Rule	Description of Test	Result
15.207	Conducted Emission	Pass
15.247(a)(2)	6dB Bandwidth	Pass
15.247(b)(1)	Maximum Peak Output Power	Pass
15.209(a) 15.247(d)	Radiated Emission	Pass
15.247(d)	100 KHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	Power Spectral Density	Pass
15.203 15.247(b)(4)	Antenna Requirement	Pass

5.2 6dB Bandwidth Measurement

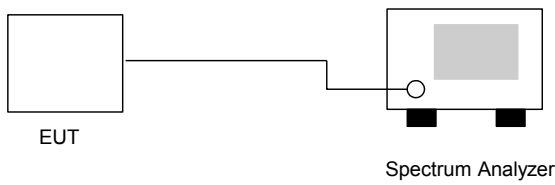
5.2.1 Measuring Instruments

As described in chapter 6 of this test report.

5.2.2 Test Procedure

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The 6 dB bandwidth is defined as the frequency range where the power is higher than the peak power minus 6dB.

5.2.3 Test Setup Layout



5.2.4 Test Result

- Application Type : WLAN 802.11b/g
- Temperature : 25~26°C
- Relative Humidity : 49~51%
- Test Engineer : Ken

802.11b

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	13.08	> 0.5MHz	Mode 1
06	2437	13.04	> 0.5MHz	Mode 2
11	2462	13.08	> 0.5MHz	Mode 3

802.11g

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.36	> 0.5MHz	Mode 4
06	2437	16.36	> 0.5MHz	Mode 5
11	2462	16.36	> 0.5MHz	Mode 6



802.11a

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
149	5745	16.36	> 0.5MHz	Mode 7
157	5785	16.36	> 0.5MHz	Mode 8
165	5825	16.36	> 0.5MHz	Mode 9

802.11n(g)_BW 20M

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	17.56	> 0.5MHz	Mode 10
06	2437	17.60	> 0.5MHz	Mode 11
11	2462	17.52	> 0.5MHz	Mode 12

802.11n(a)_BW 20M

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
149	5745	17.60	> 0.5MHz	Mode 13
157	5785	17.56	> 0.5MHz	Mode 14
165	5825	17.56	> 0.5MHz	Mode 15

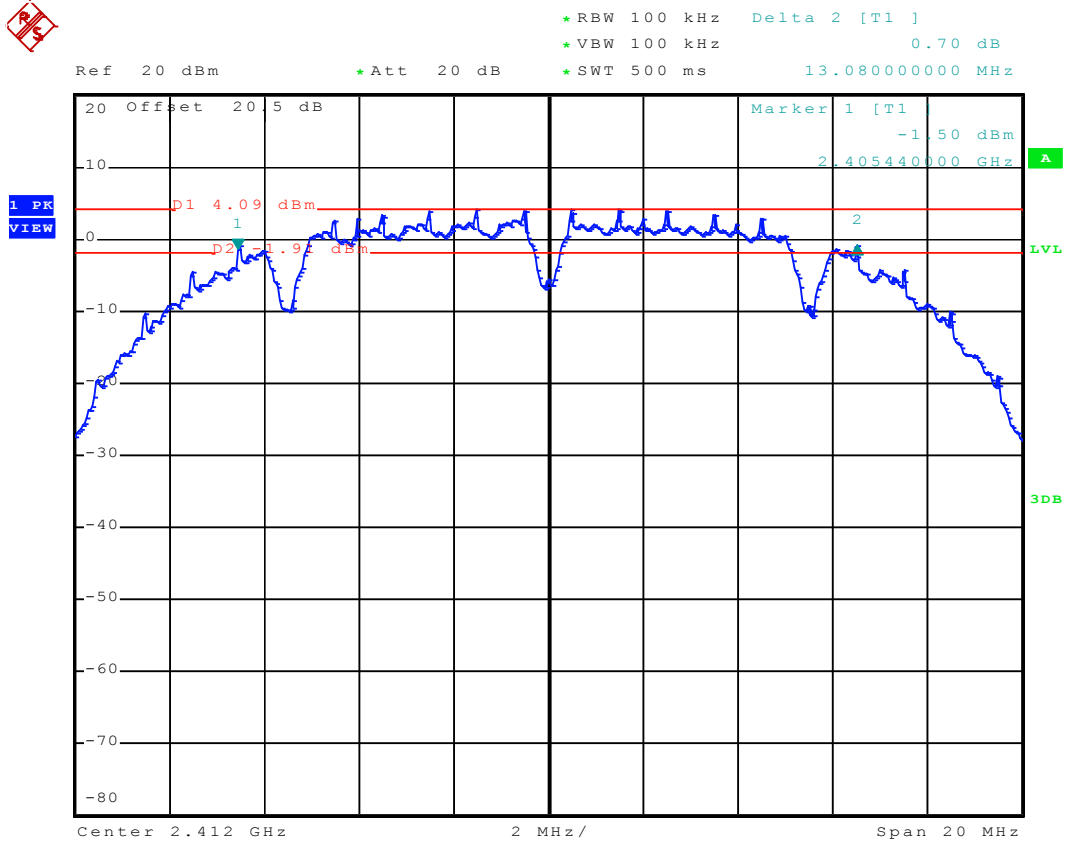
802.11n(a)_BW 40M

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
151	5755	34.32	> 0.5MHz	Mode 16
159	5795	34.40	> 0.5MHz	Mode 17



5.2.5 6dB Bandwidth

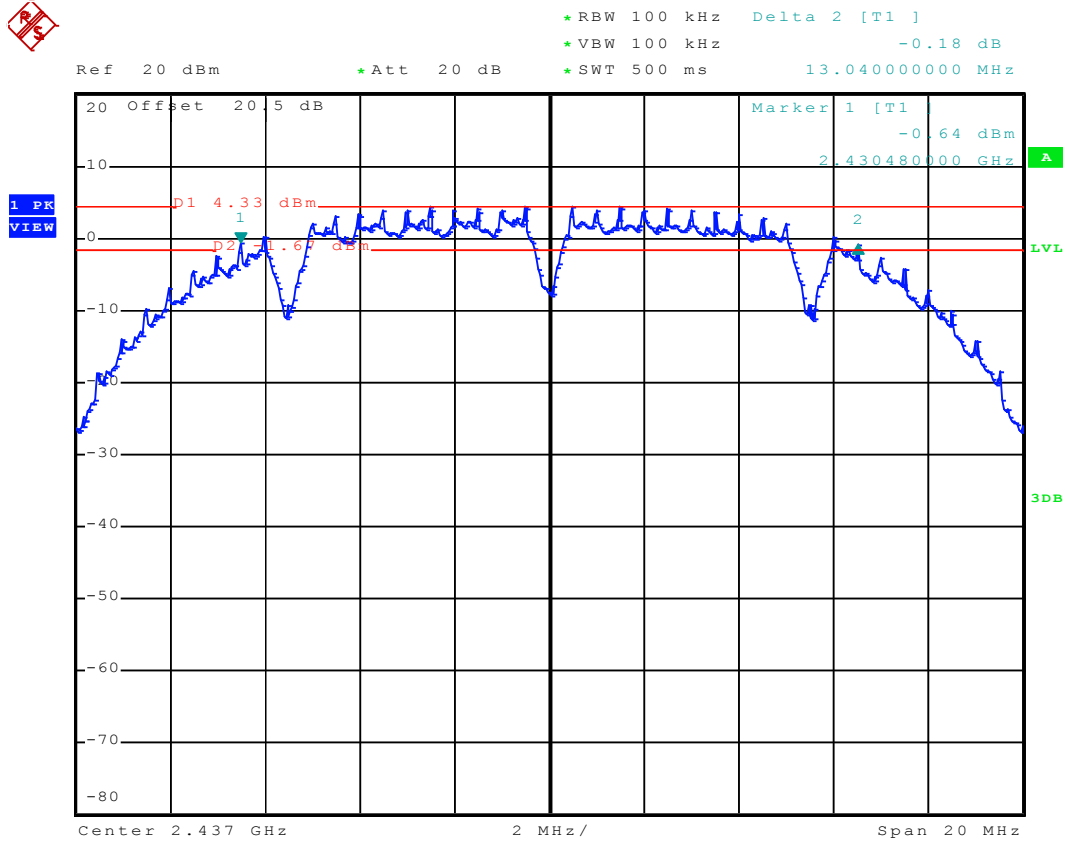
Mode 1



Date: 5.NOV.2007 20:02:31



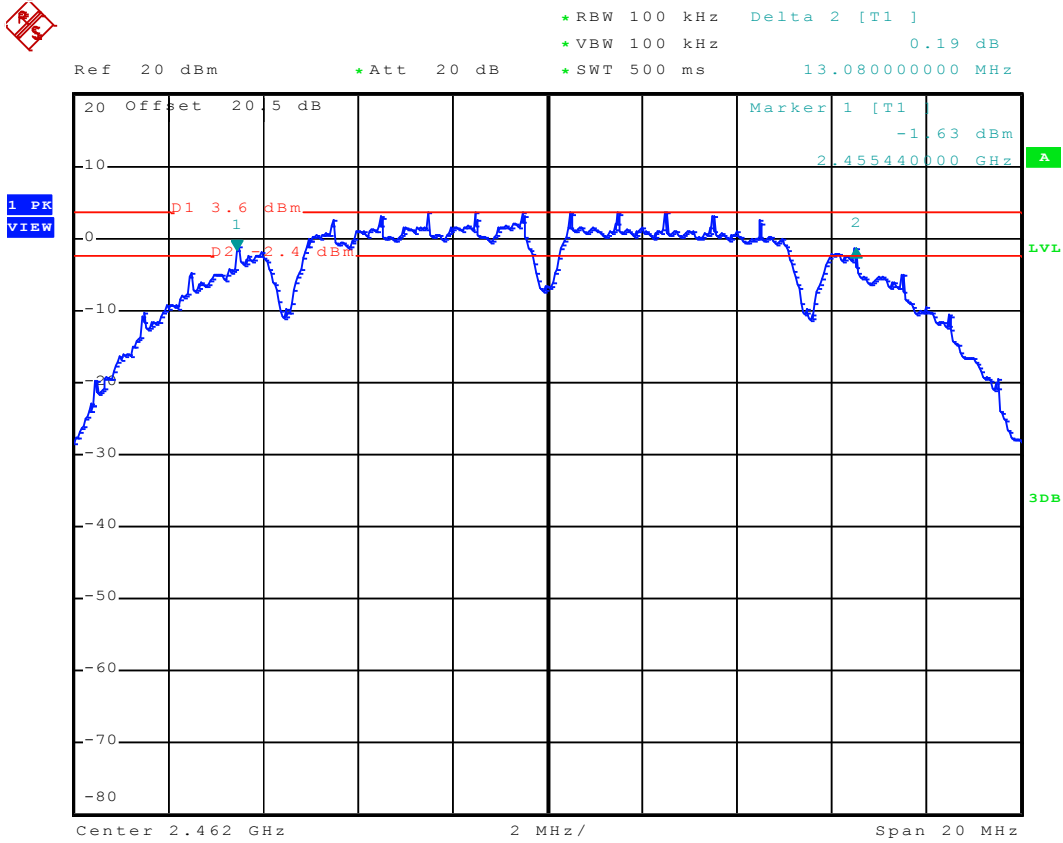
Mode 2



Date: 5.NOV.2007 20:04:00



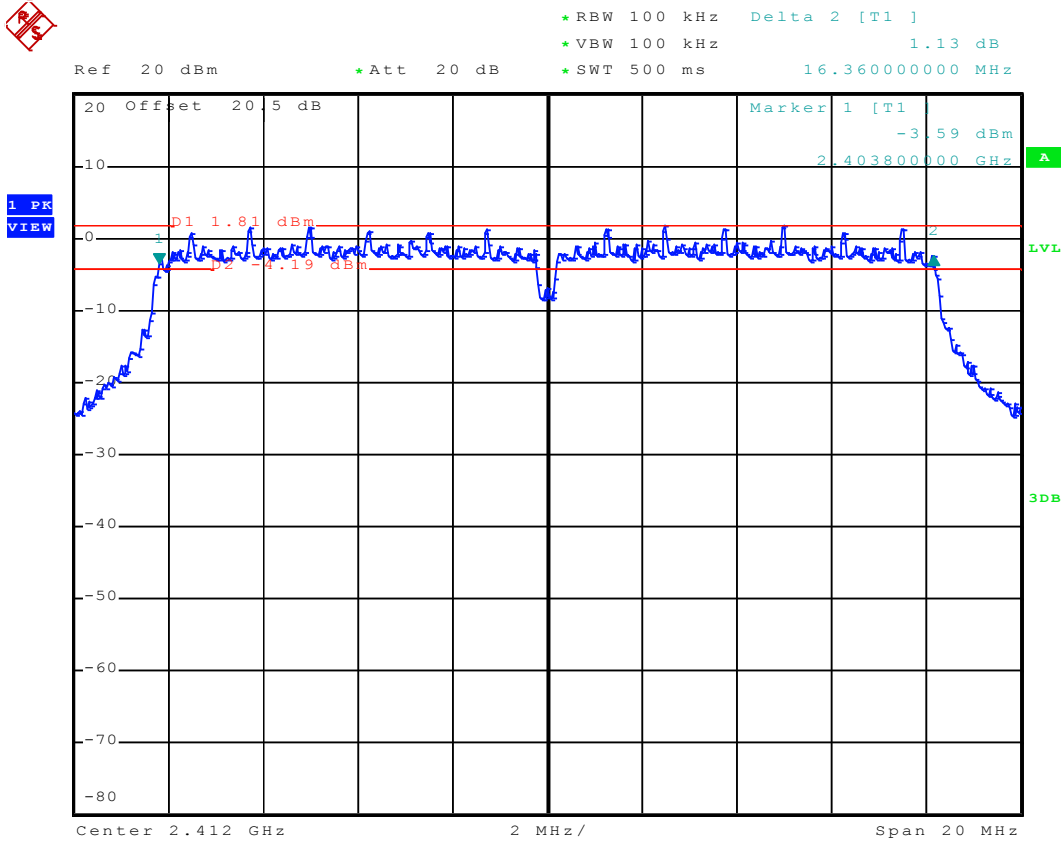
Mode 3



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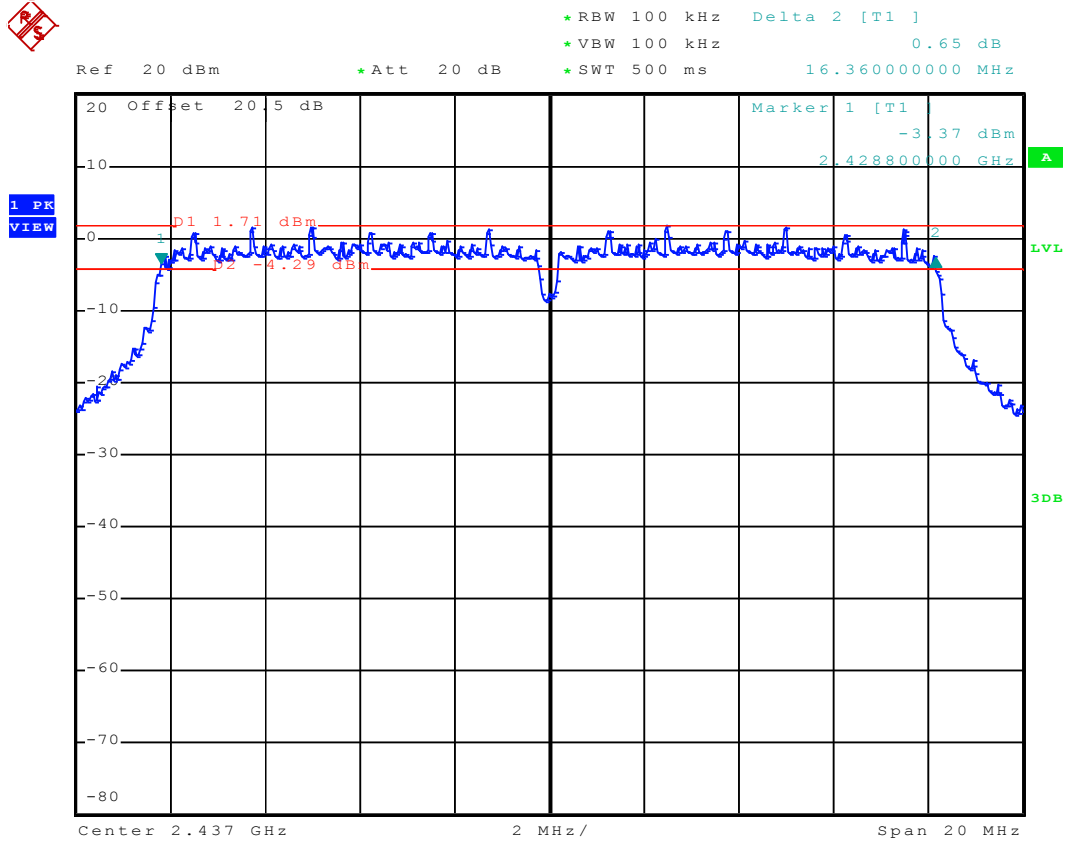
Mode 4



Date: 5.NOV.2007 20:27:25



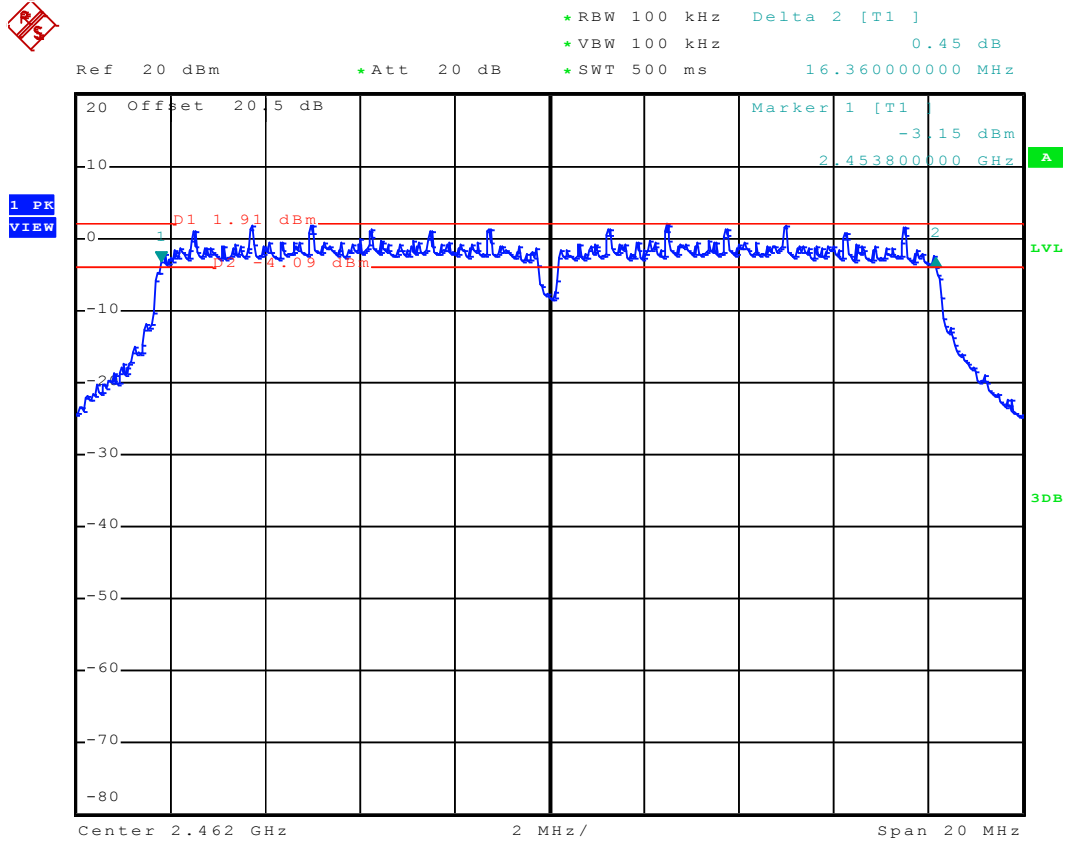
Mode 5



Date: 5.NOV.2007 22:20:35



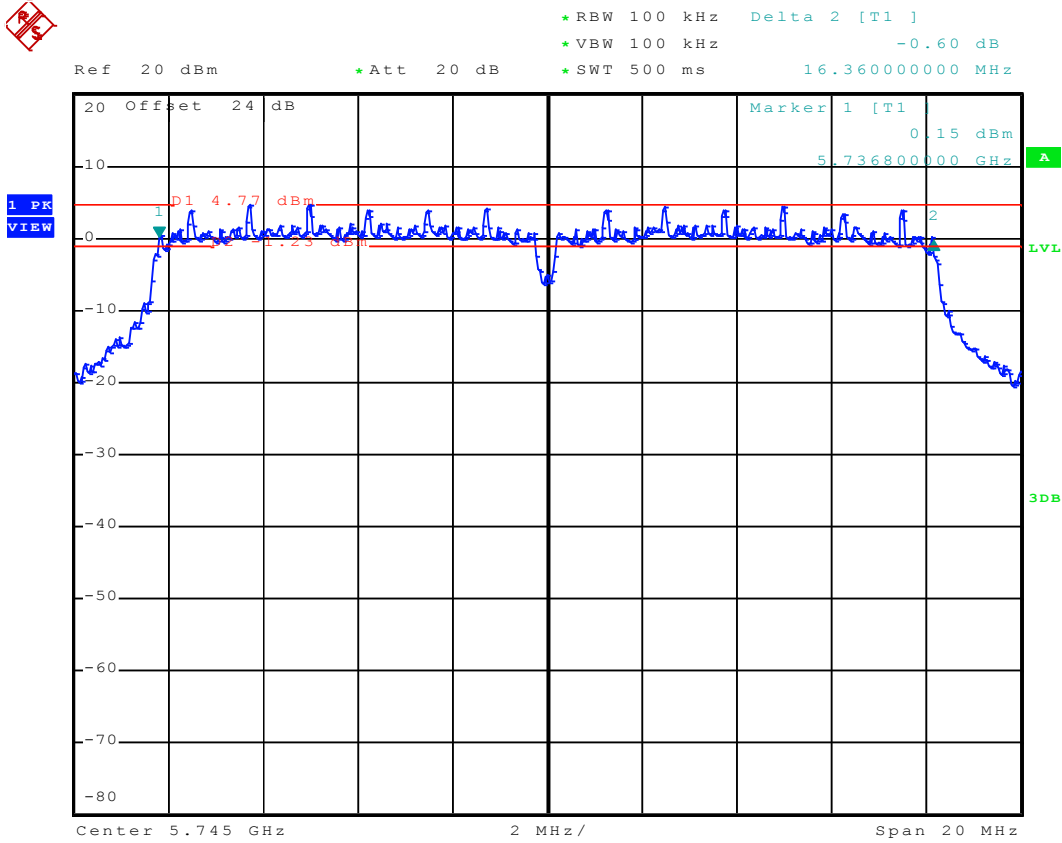
Mode 6



Date: 5.NOV.2007 20:22:33



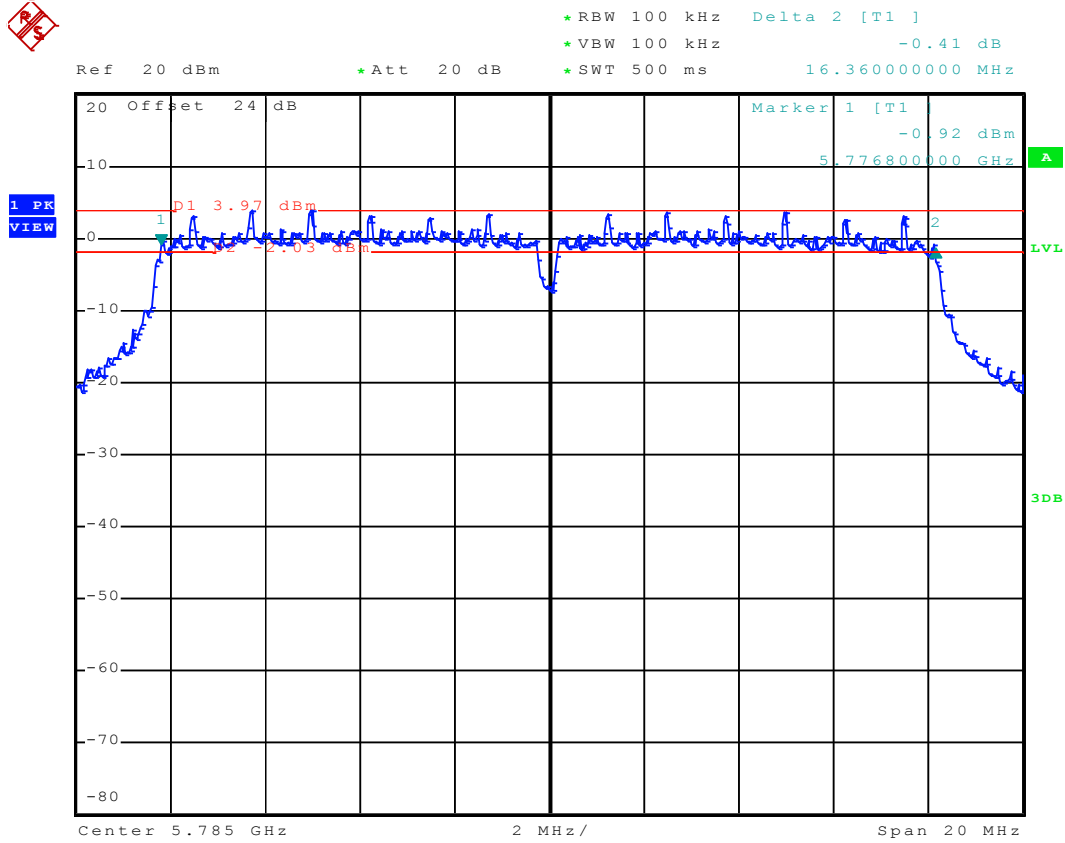
Mode 7



Date: 5.NOV.2007 23:00:27



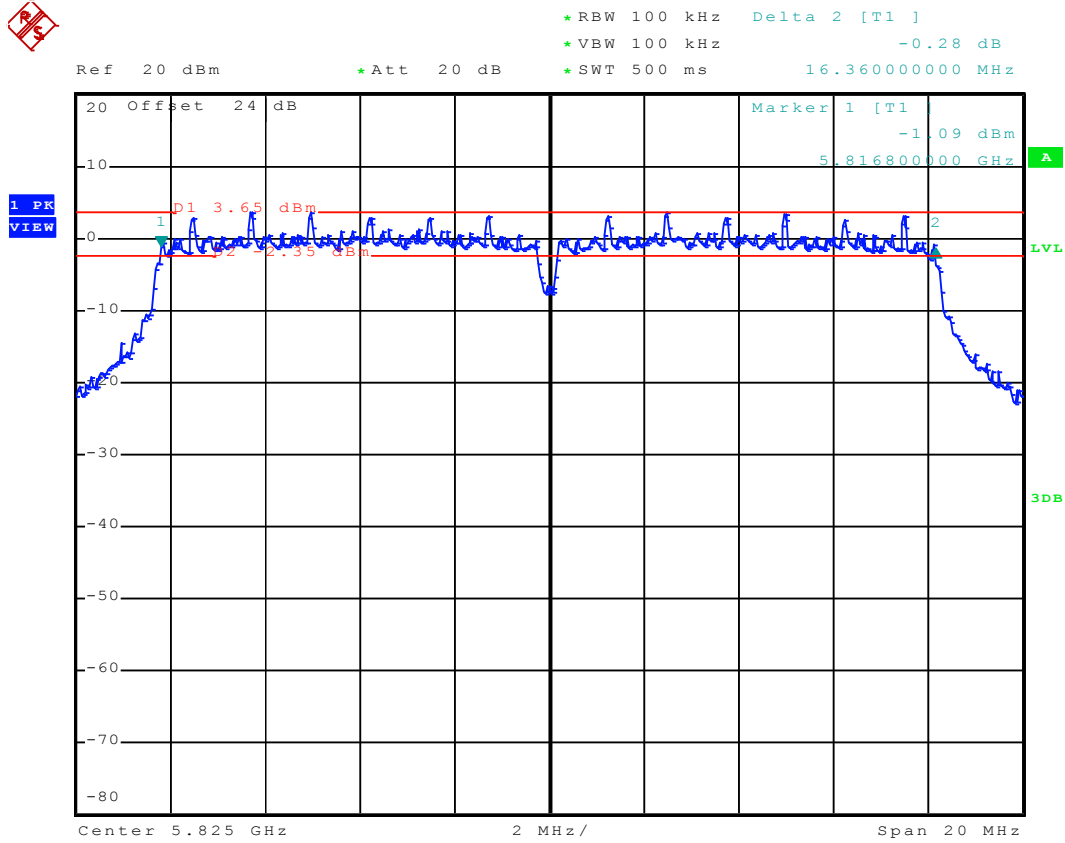
Mode 8



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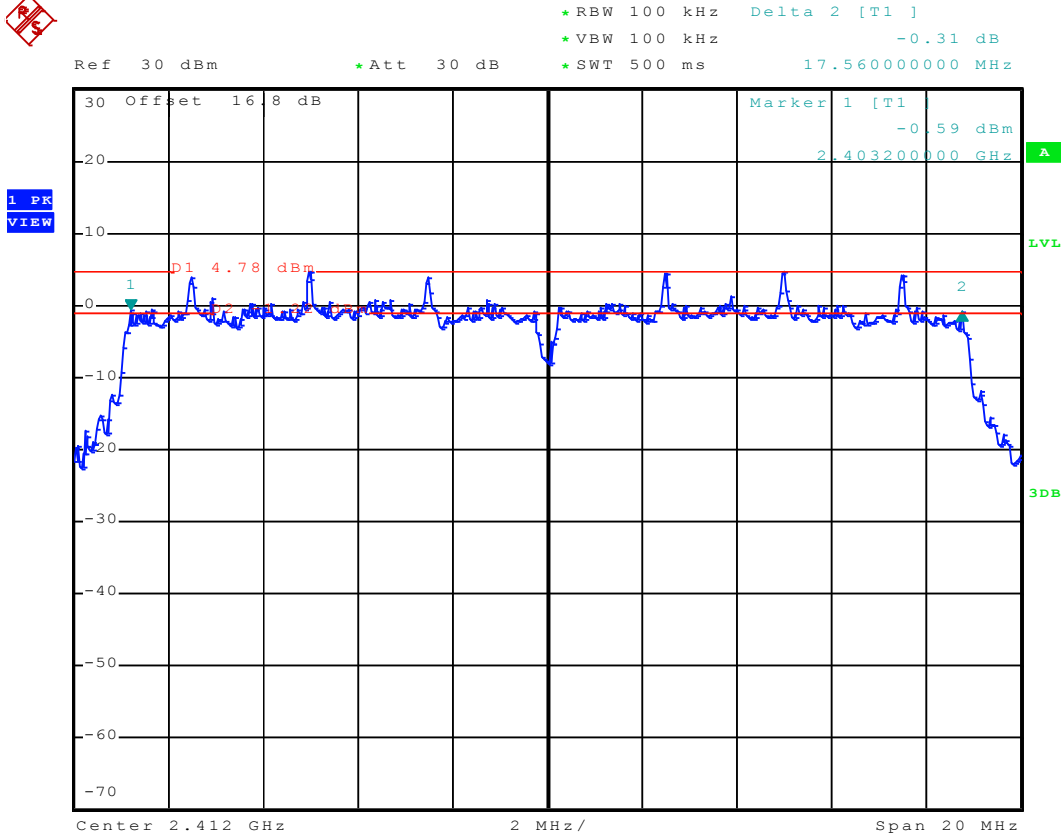
Mode 9



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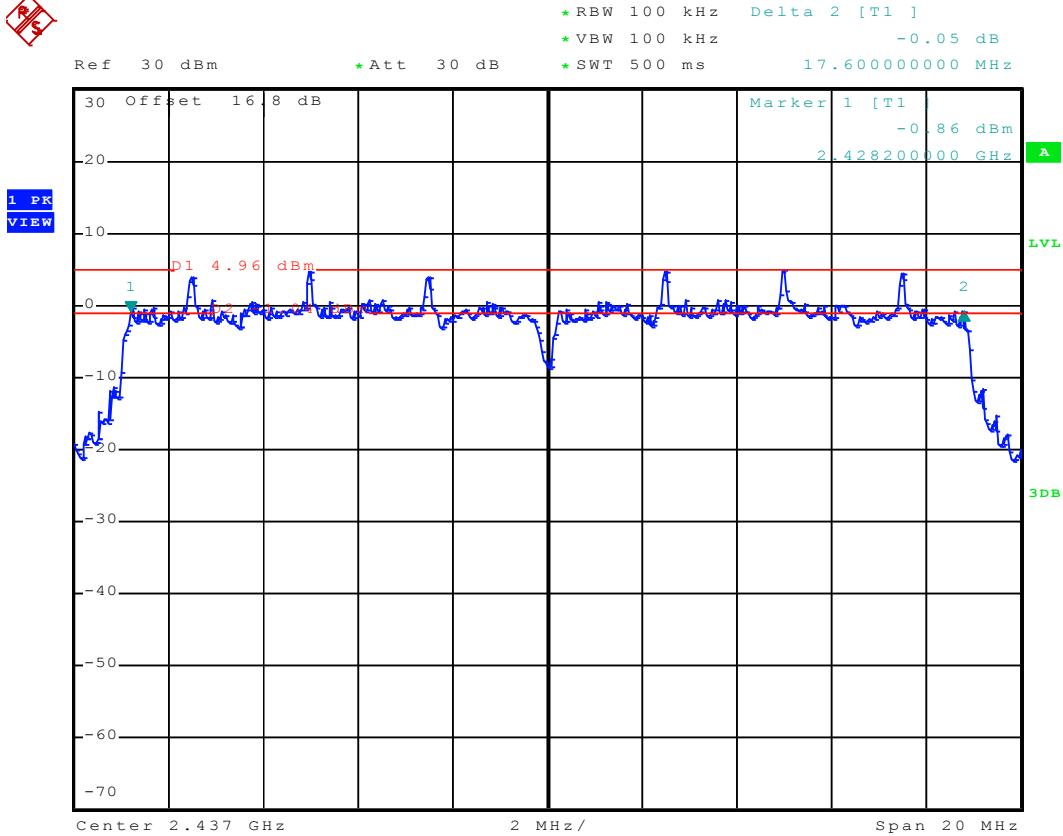
Mode 10



Date: 10.NOV.2007 03:00:18



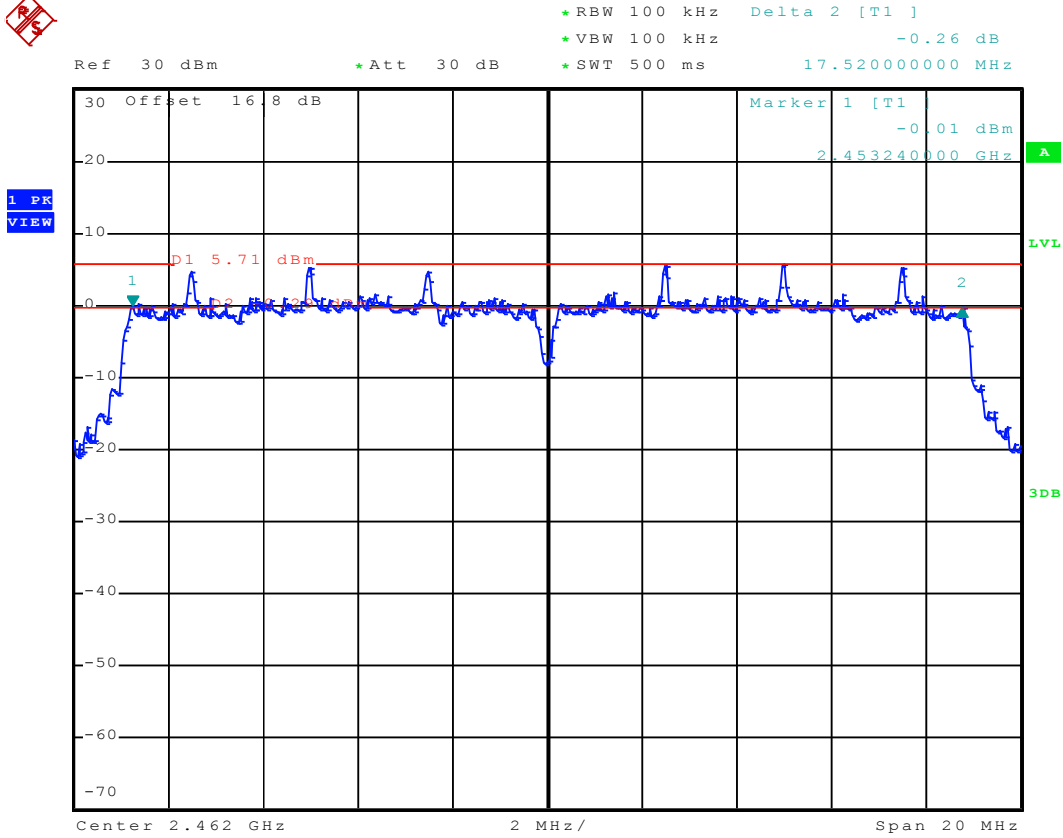
Mode 11



Date: 10.NOV.2007 02:59:14



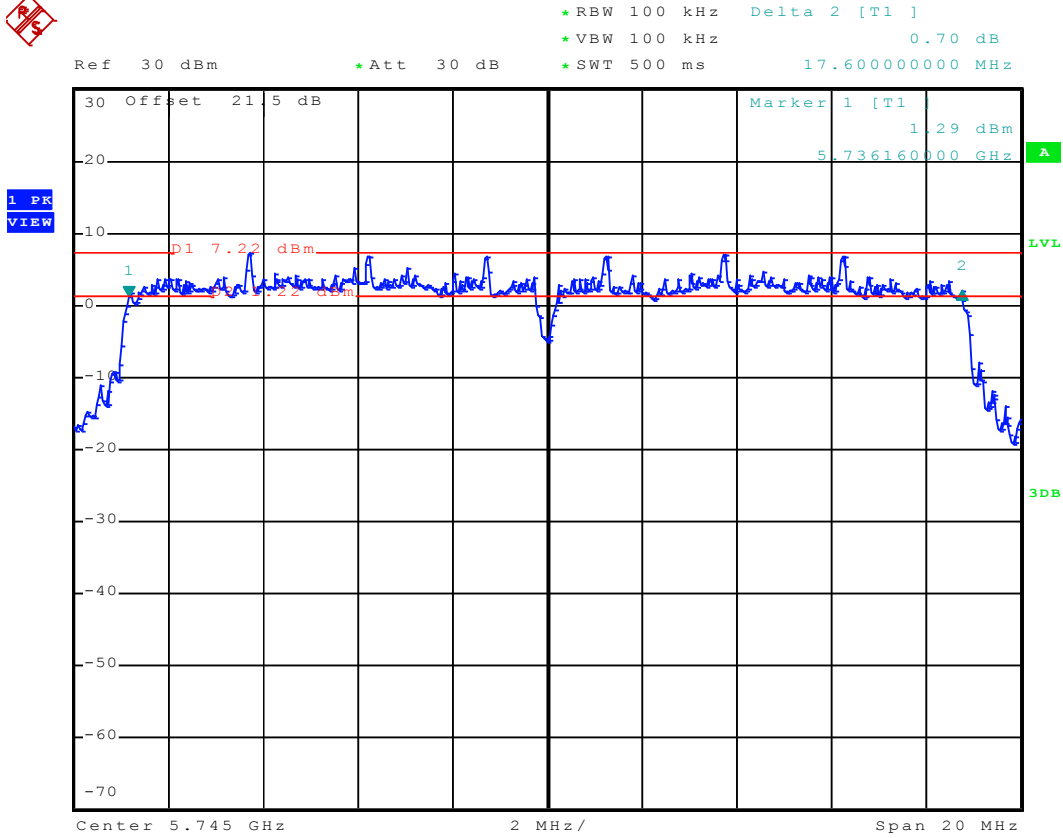
Mode 12



Date: 10.NOV.2007 03:01:57



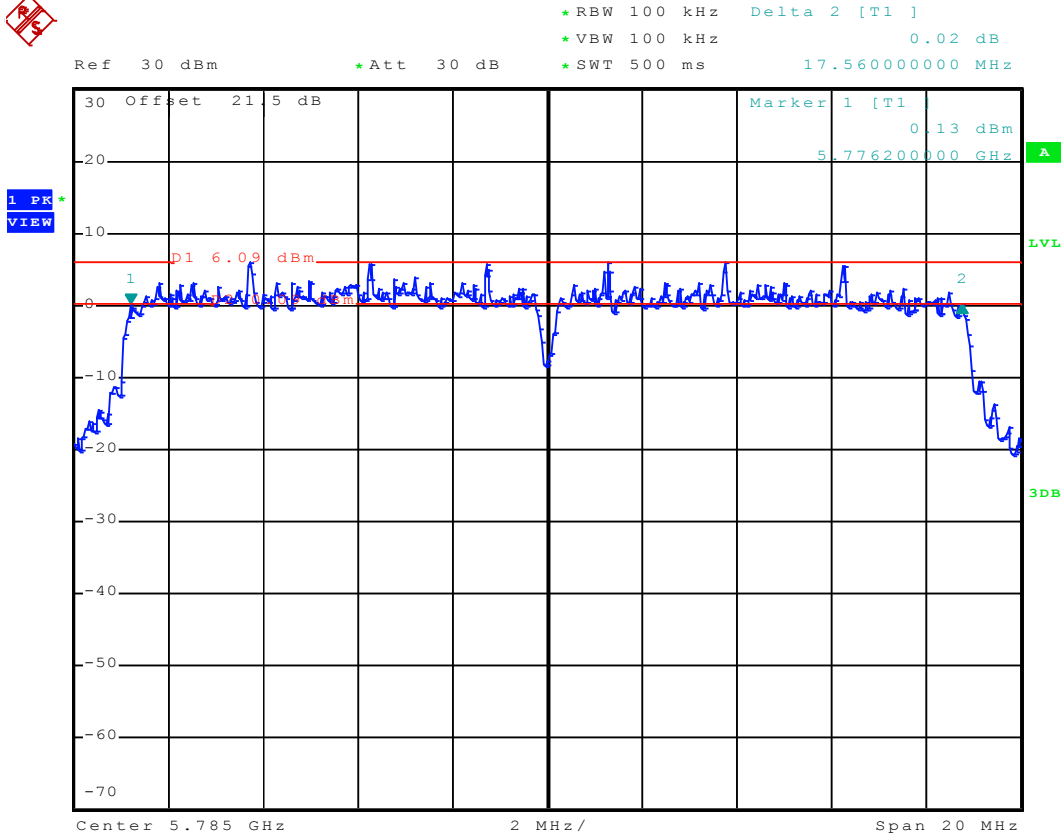
Mode 13



Date: 27.NOV.2007 04:25:47



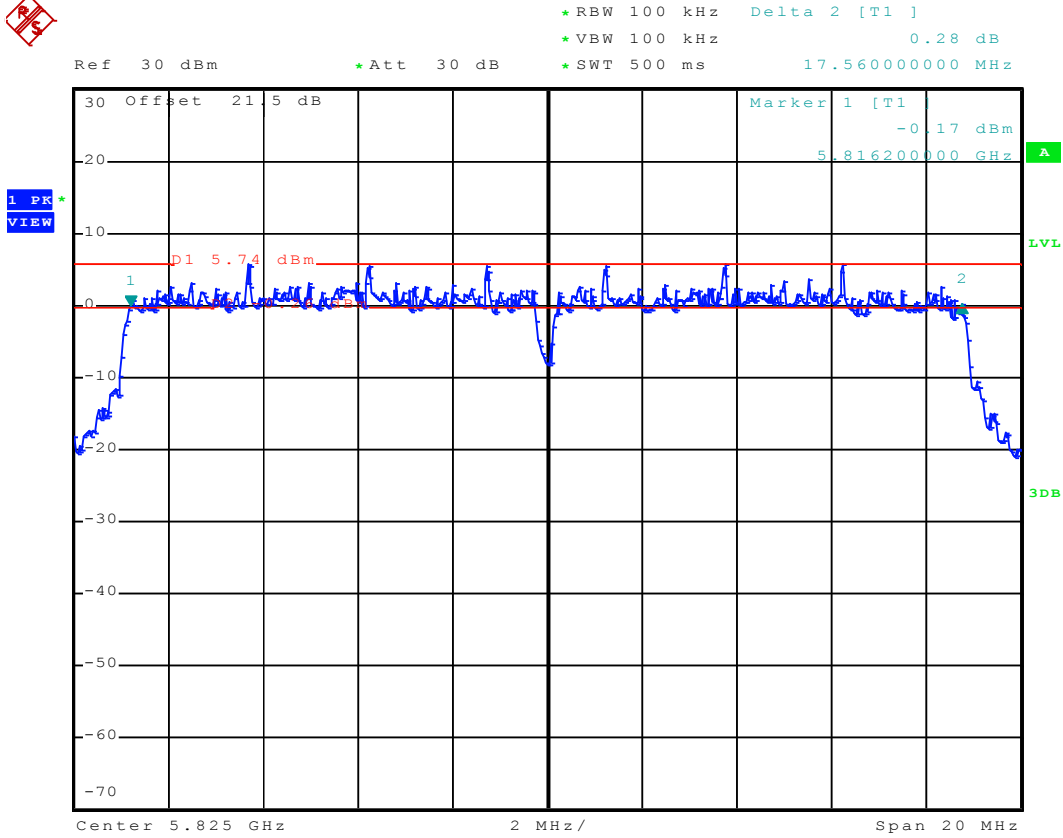
Mode 14



Date: 10.NOV.2007 01:38:10



Mode 15



Date: 10.NOV.2007 01:47:17



Mode 16

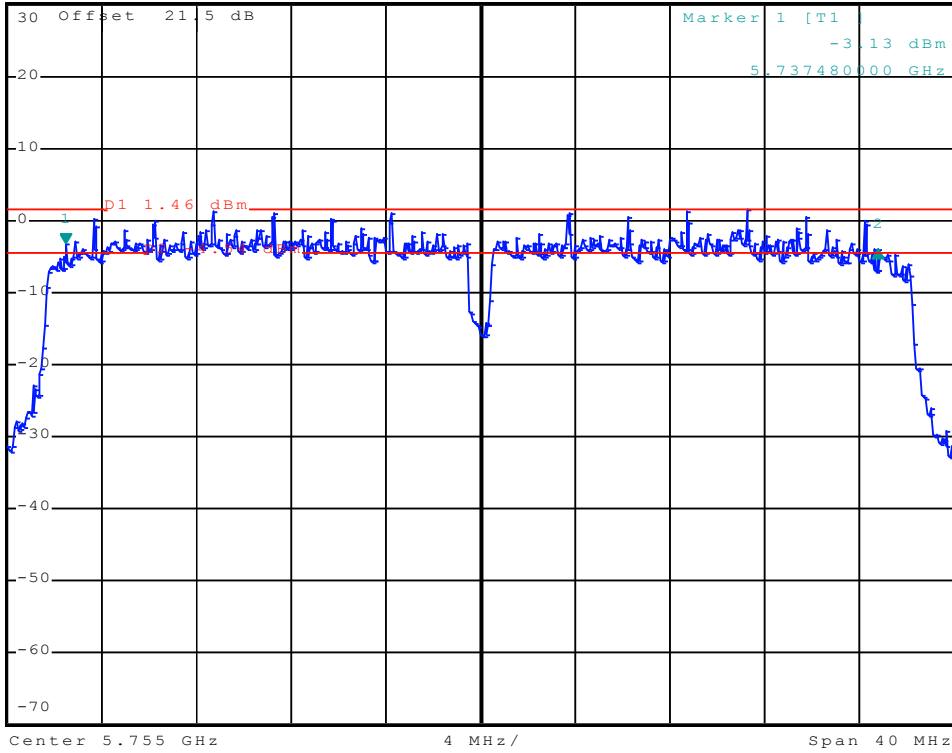


*RBW 100 kHz Delta 2 [T1]
 *VBW 100 kHz -0.93 dB
 *SWT 500 ms 34.320000000 MHz

Ref 30 dBm

*Att 30 dB

1 PK*
VIEW



Date: 10.NOV.2007 02:25:31



Mode 17

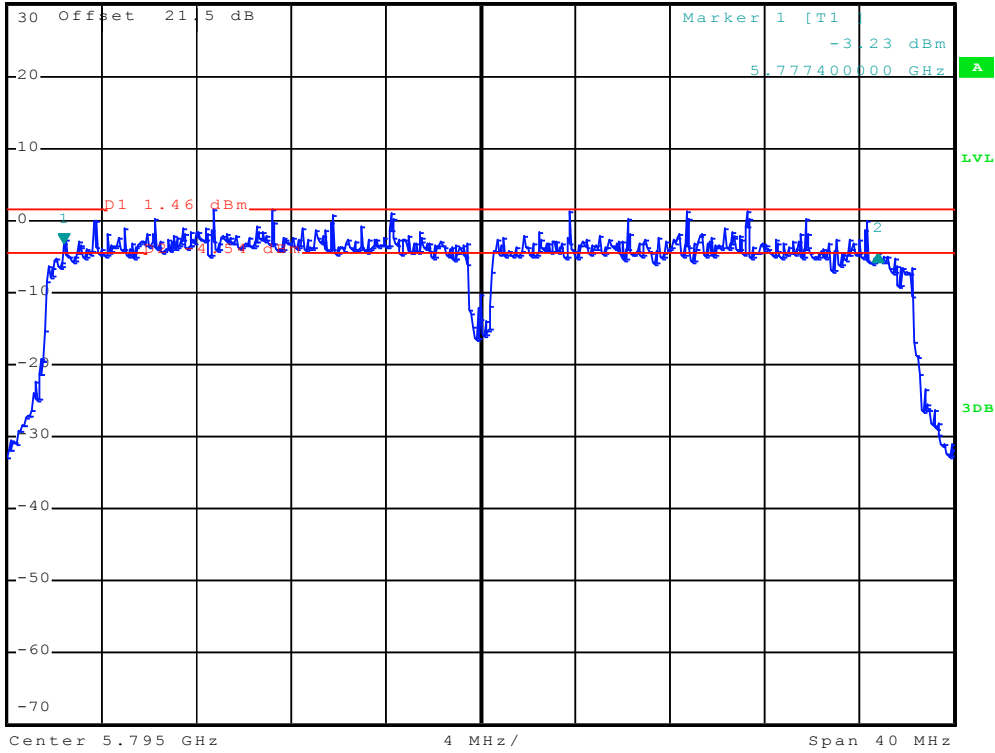


*RBW 100 kHz Delta 2 [T1]
 *VBW 100 kHz -1.23 dB
 *SWT 500 ms 34.400000000 MHz

Ref 30 dBm

*Att 30 dB

1 PK*
VIEW



Date: 10.NOV.2007 02:24:04

5.3 Power Spectral Density Measurement

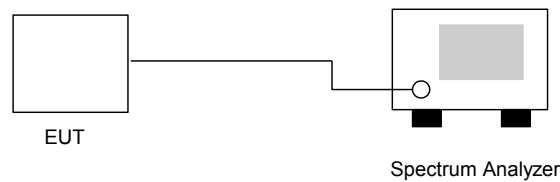
5.3.1 Measuring Instruments

As described in chapter 6 of this test report.

5.3.2 Test Procedure

1. The transmitter output was connected to spectrum analyzer directly.
2. The spectrum analyzer's resolution bandwidth was set at 3kHz RBW and 30kHz VBW as that of the fundamental frequency. Set the sweep time=span/3kHz.
3. The power spectral density was measured and recorded.
4. The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

5.3.3 Test Setup Layout





5.3.4 Test Result :

- Application Type : 802.11b/g
- Temperature : 25~26°C
- Relative Humidity : 49~51%
- Test Enginner : Ken

802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-10.75	8	Mode 1
06	2437	-11.60	8	Mode 2
11	2462	-9.20	8	Mode 3

802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-10.70	8	Mode 4
06	2437	-11.08	8	Mode 5
11	2462	-10.60	8	Mode 6

802.11a

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
149	5745	-9.35	8	Mode 7
157	5785	-10.23	8	Mode 8
165	5825	-10.07	8	Mode 9



802.11n(g)_BW 20M

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-12.26	8	Mode 10
06	2437	-12.38	8	Mode 11
11	2462	-10.98	8	Mode 12

802.11n(a)_BW 20M

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
149	5745	-8.82	8	Mode 13
157	5785	-8.31	8	Mode 14
165	5825	-8.80	8	Mode 15

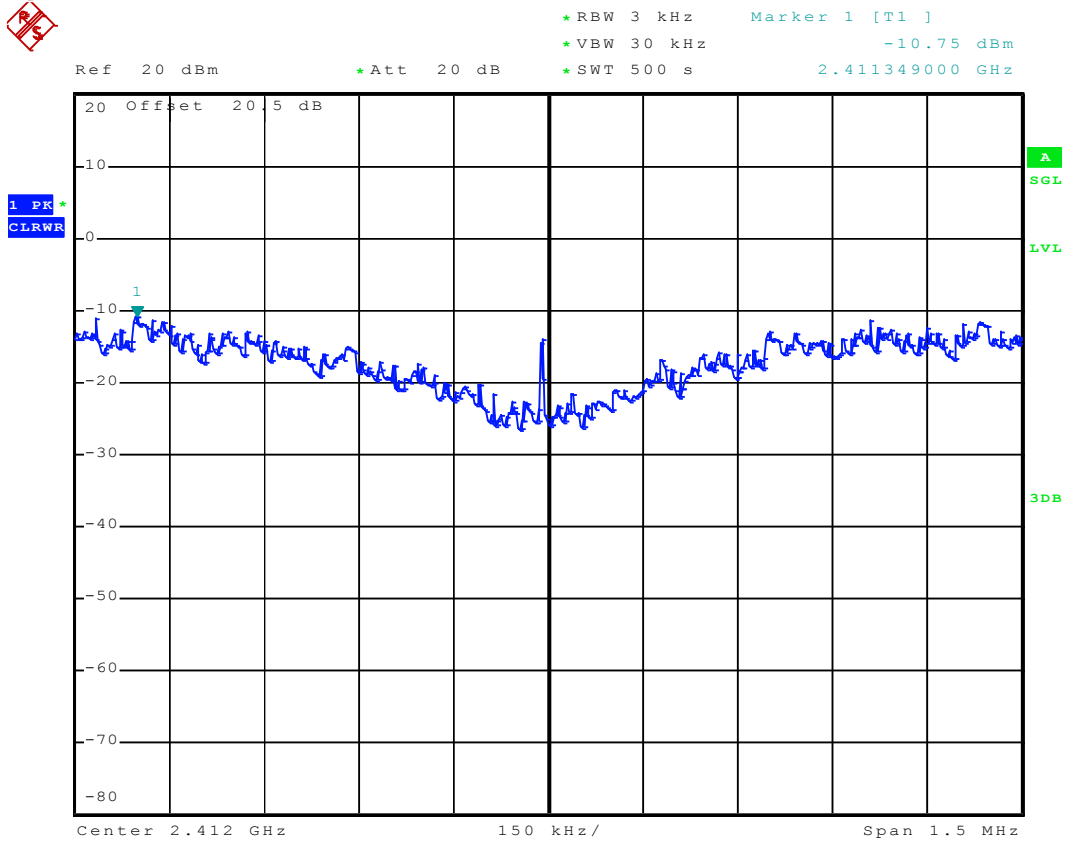
802.11n(a)_BW 40M

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
151	5755	-14.07	8	Mode 16
159	5795	-13.44	8	Mode 17



5.3.5 Power Spectral Density

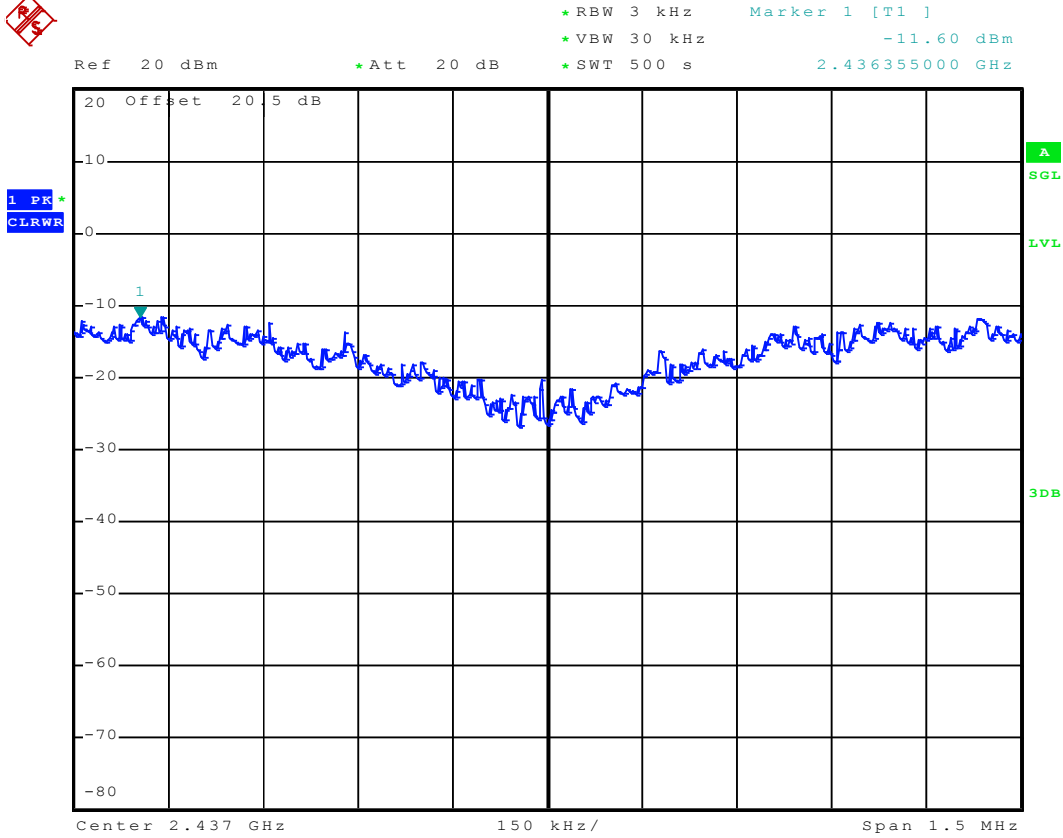
Mode 1



Date: 5.NOV.2007 20:46:31



Mode 2



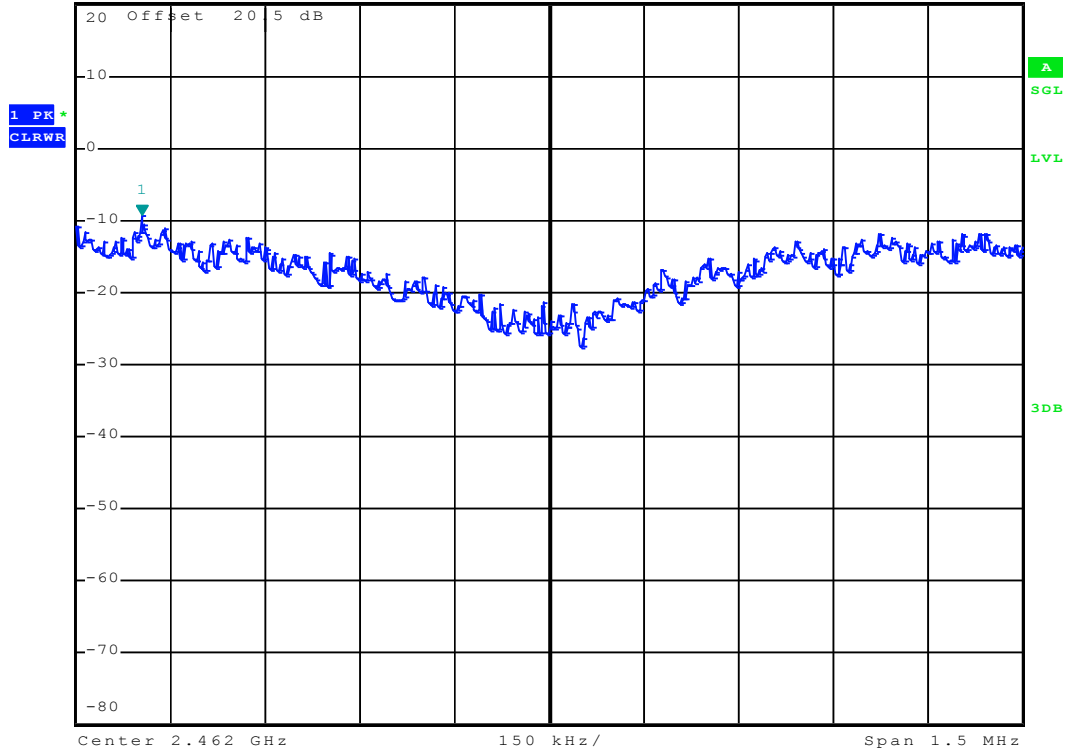
Date: 5.NOV.2007 21:16:16



Mode 3



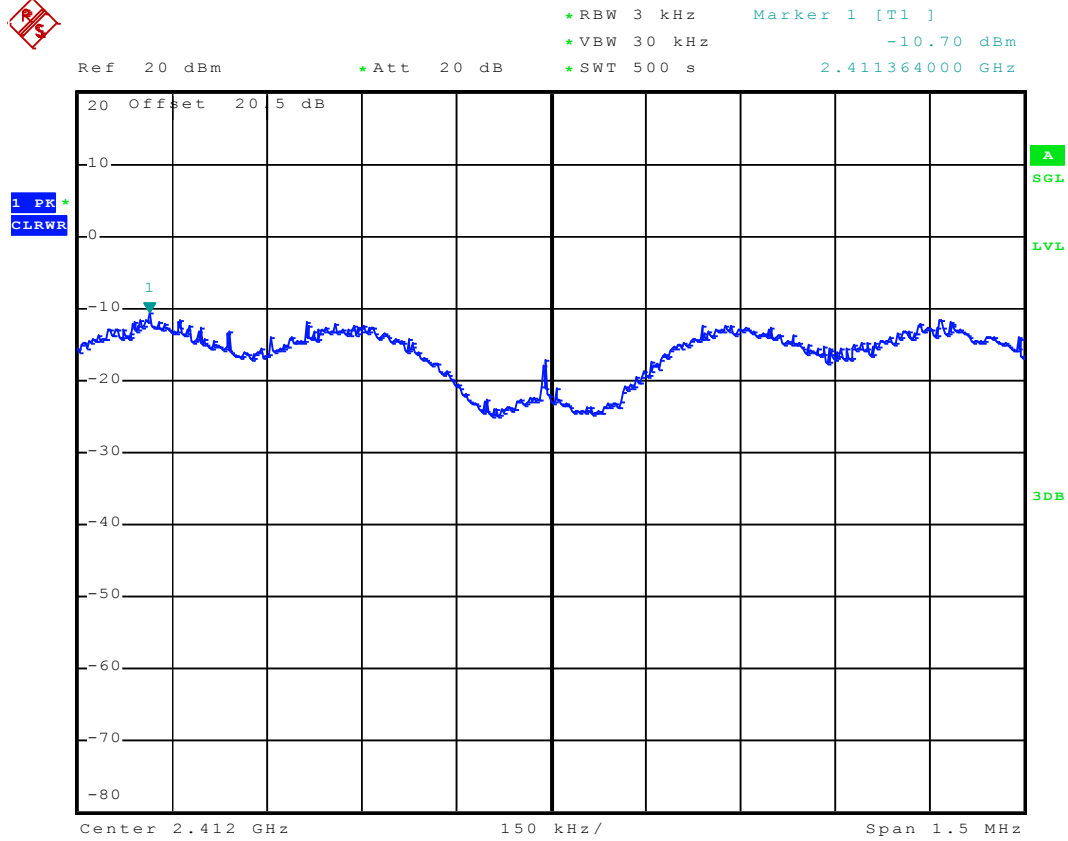
Ref 20 dBm *Att 20 dB *RBW 3 kHz Marker 1 [T1] *VBW 30 kHz -9.20 dBm
*SWT 500 s 2.461355000 GHz



Date: 5.NOV.2007 21:25:59



Mode 4



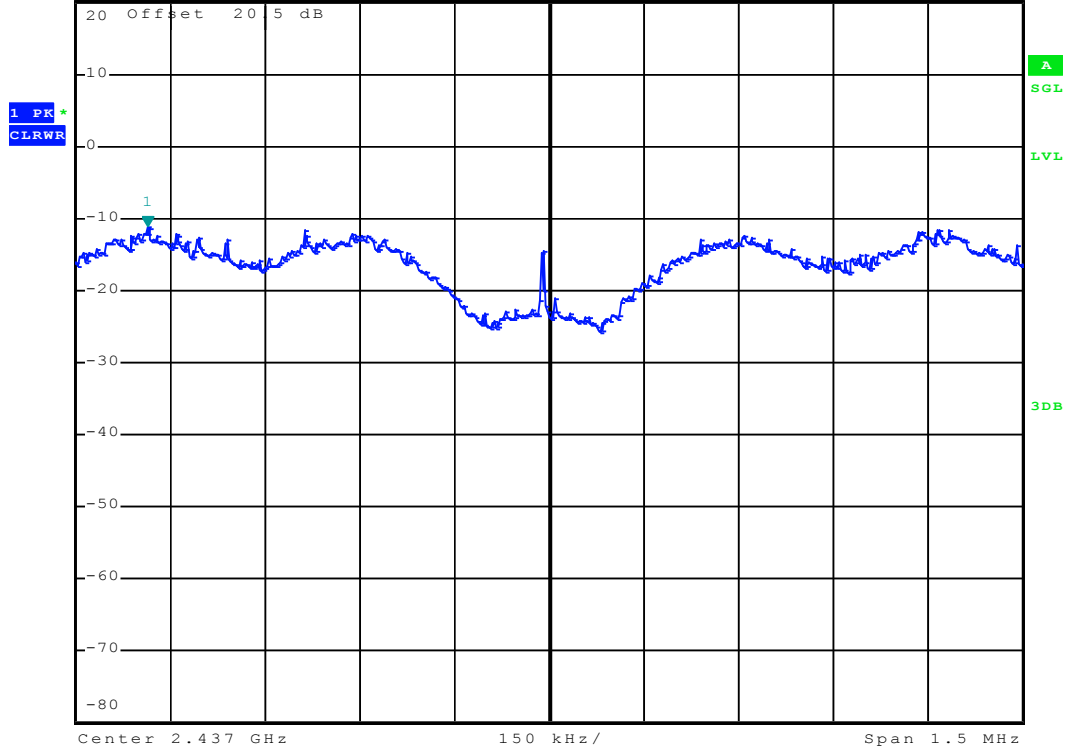
Date: 5.NOV.2007 20:56:13



Mode 5



Ref 20 dBm *Att 20 dB *RBW 3 kHz Marker 1 [T1] *VBW 30 kHz -11.08 dBm
*SWT 500 s 2.436364000 GHz



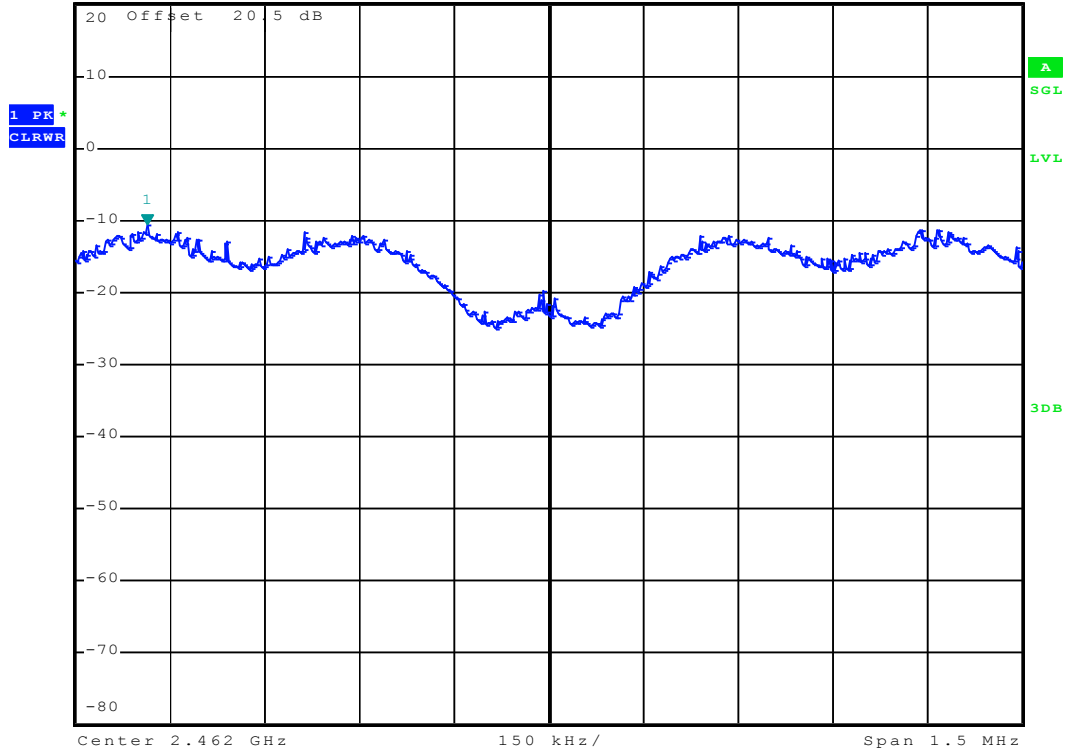
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Mode 6



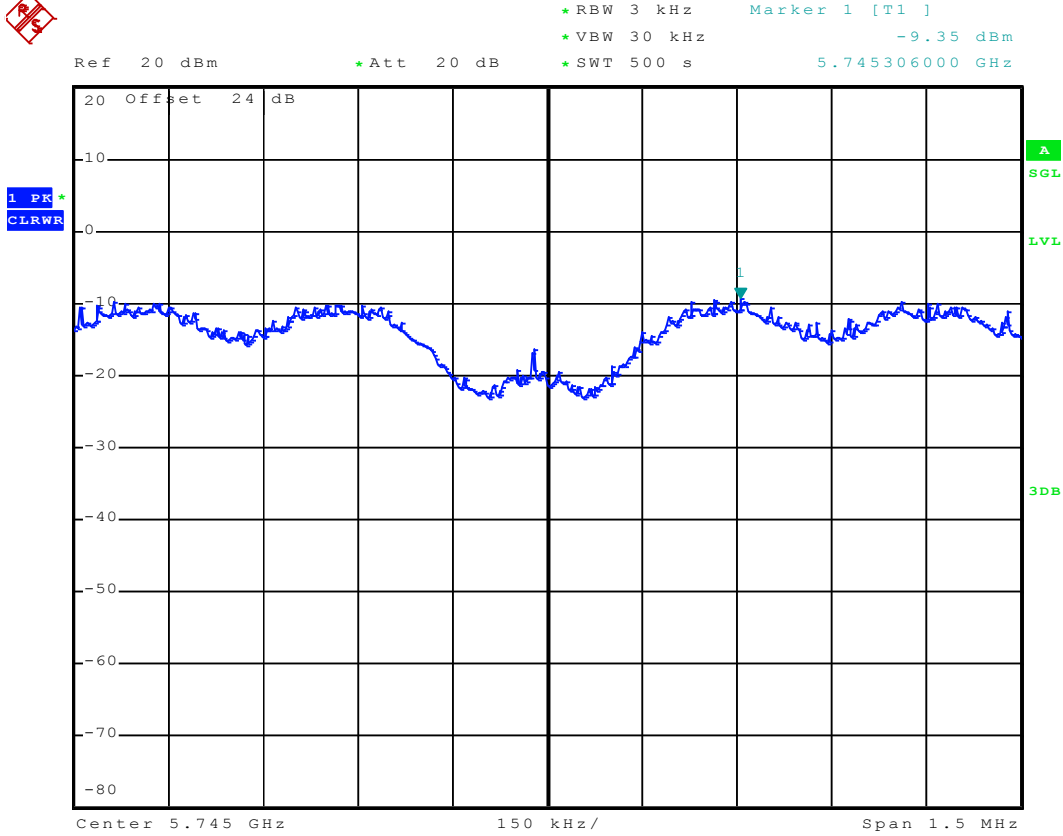
Ref 20 dBm *Att 20 dB *RBW 3 kHz Marker 1 [T1] *VBW 30 kHz -10.60 dBm
*SWT 500 s 2.461364000 GHz



Date: 5.NOV.2007 21:35:56



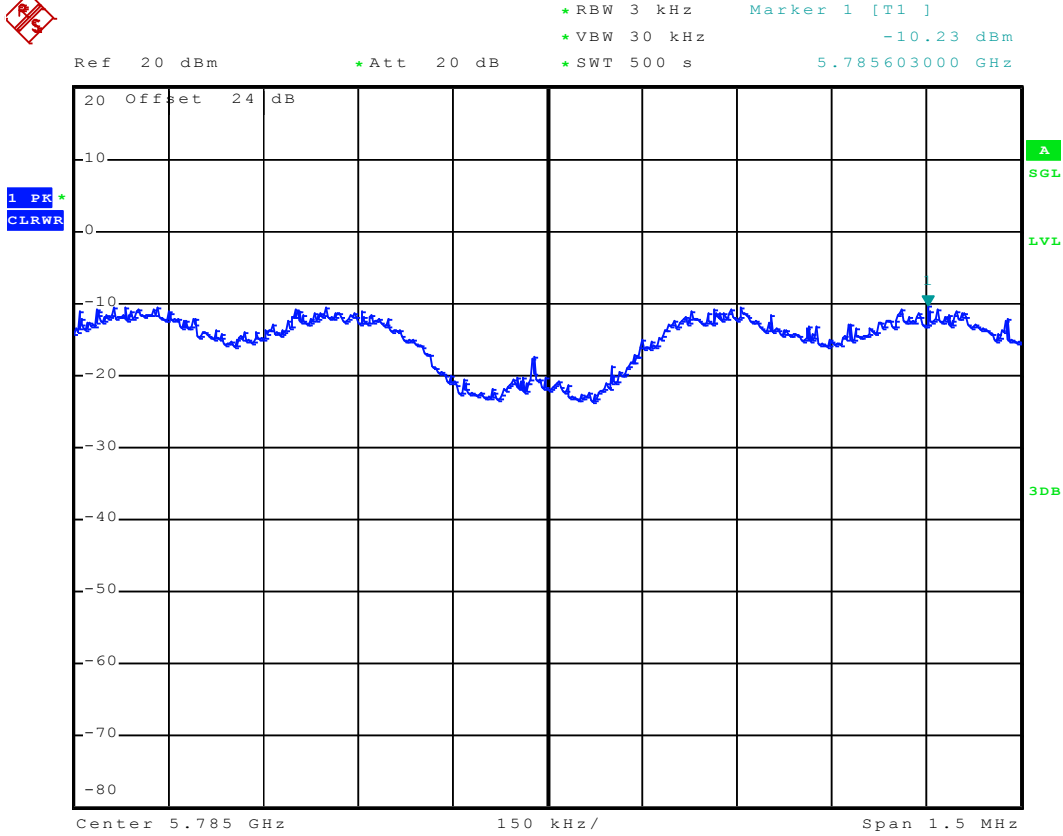
Mode 7



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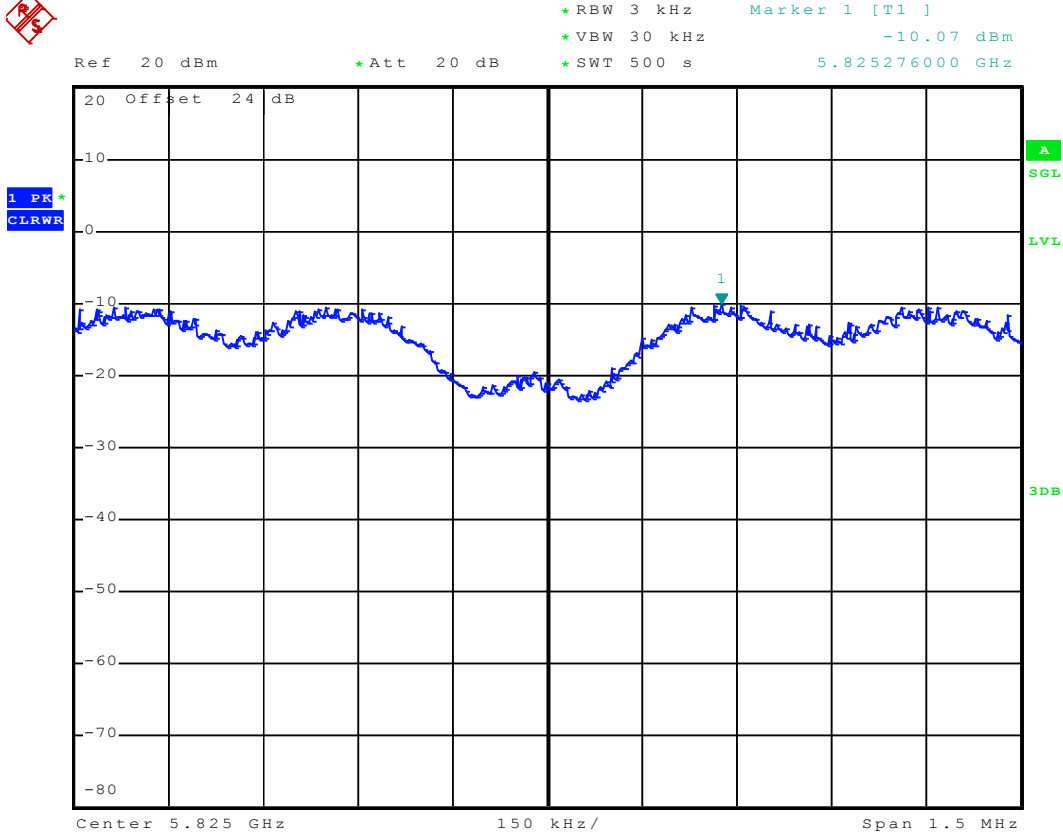
Mode 8



Date: 5.NOV.2007 22:02:18



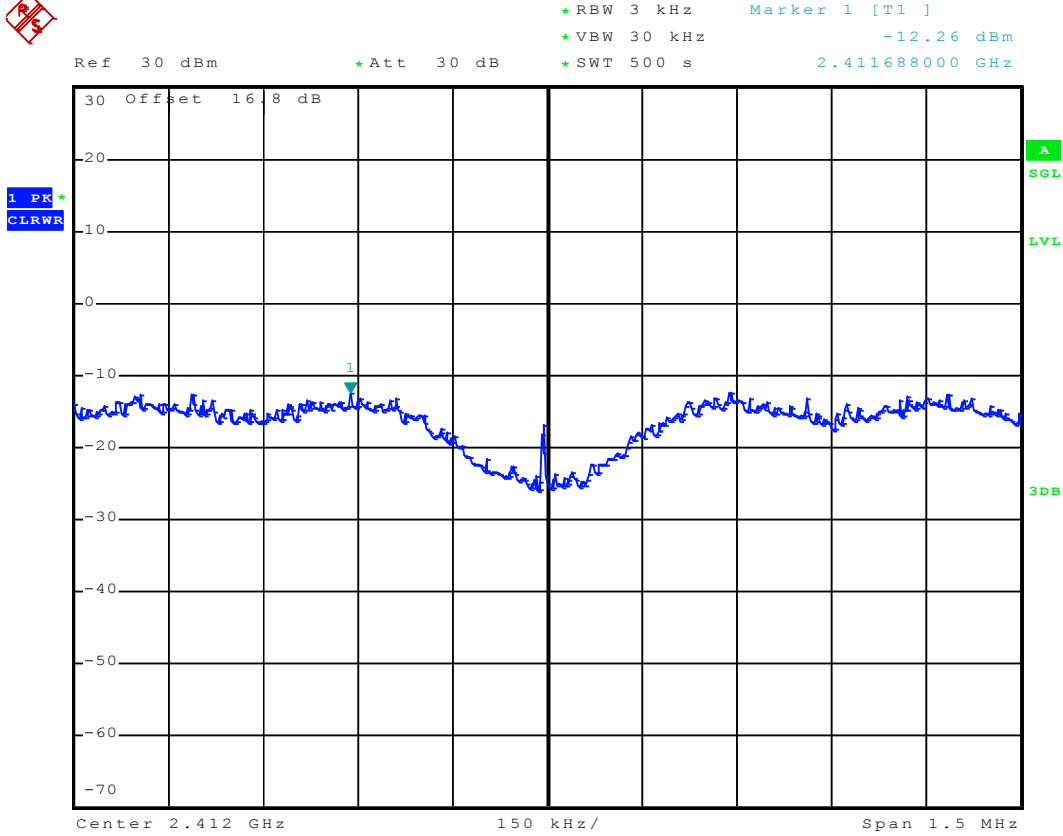
Mode 9



Date: 5.NOV.2007 22:12:51



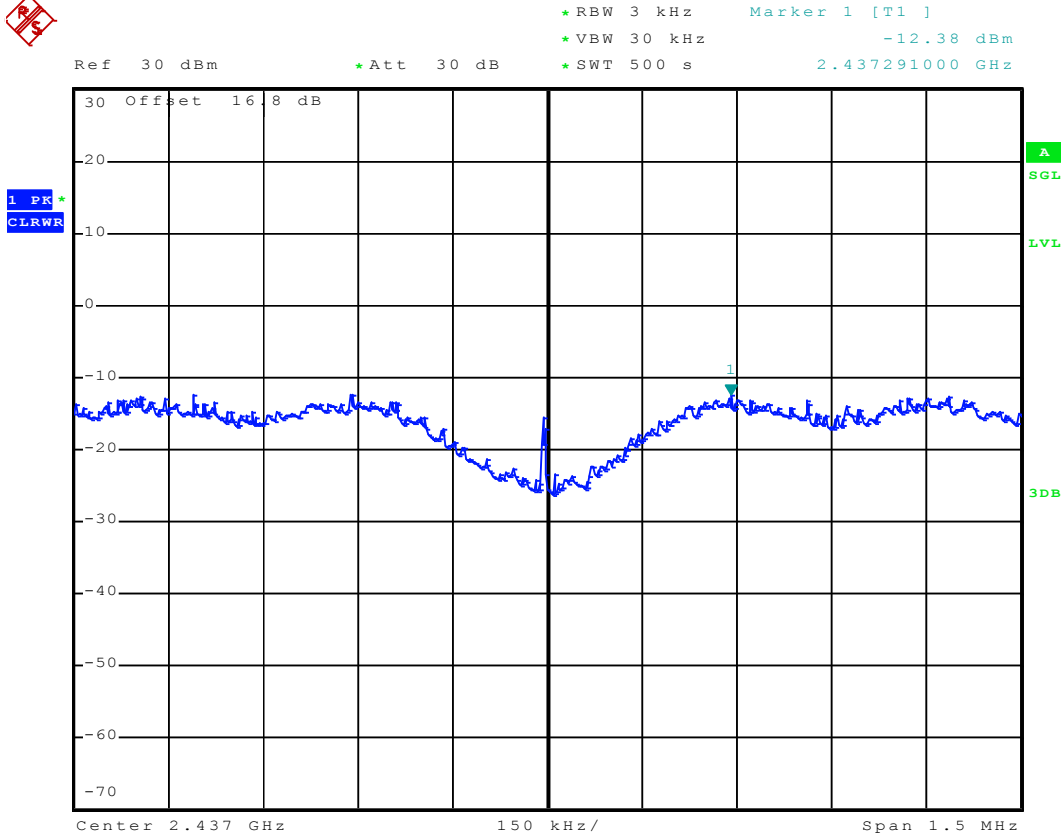
Mode 10



Date: 10.NOV.2007 00:03:45



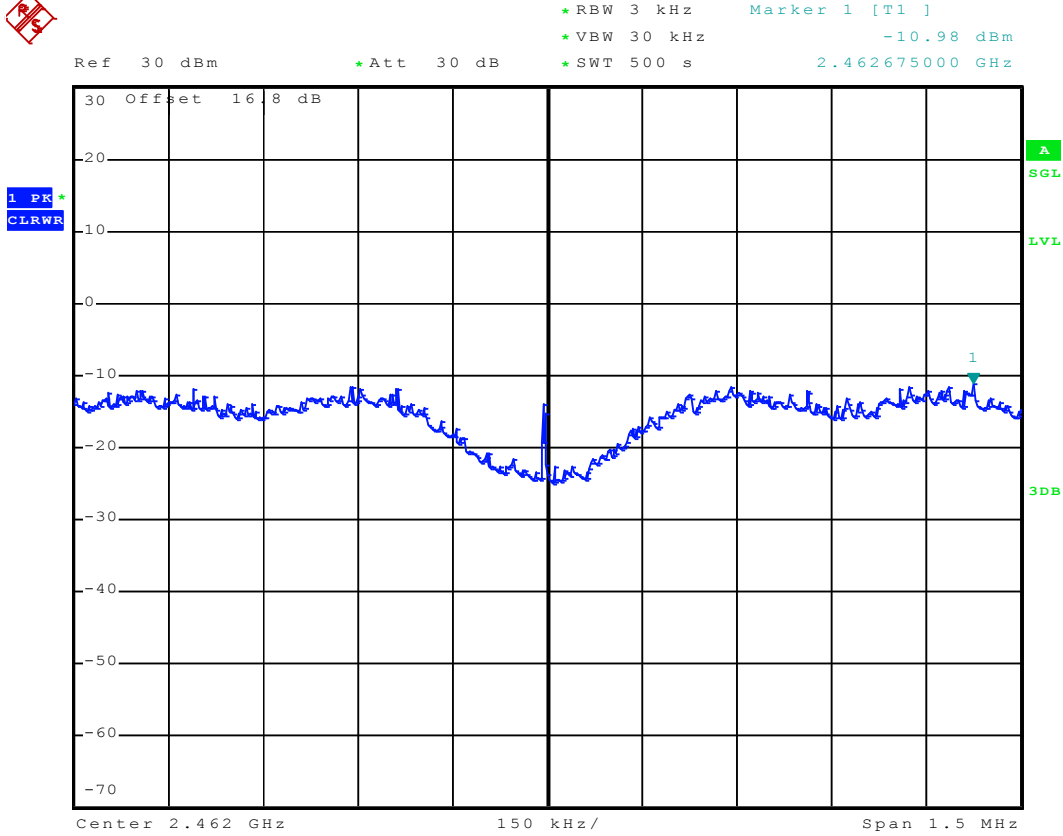
Mode 11



Date: 10.NOV.2007 00:13:22



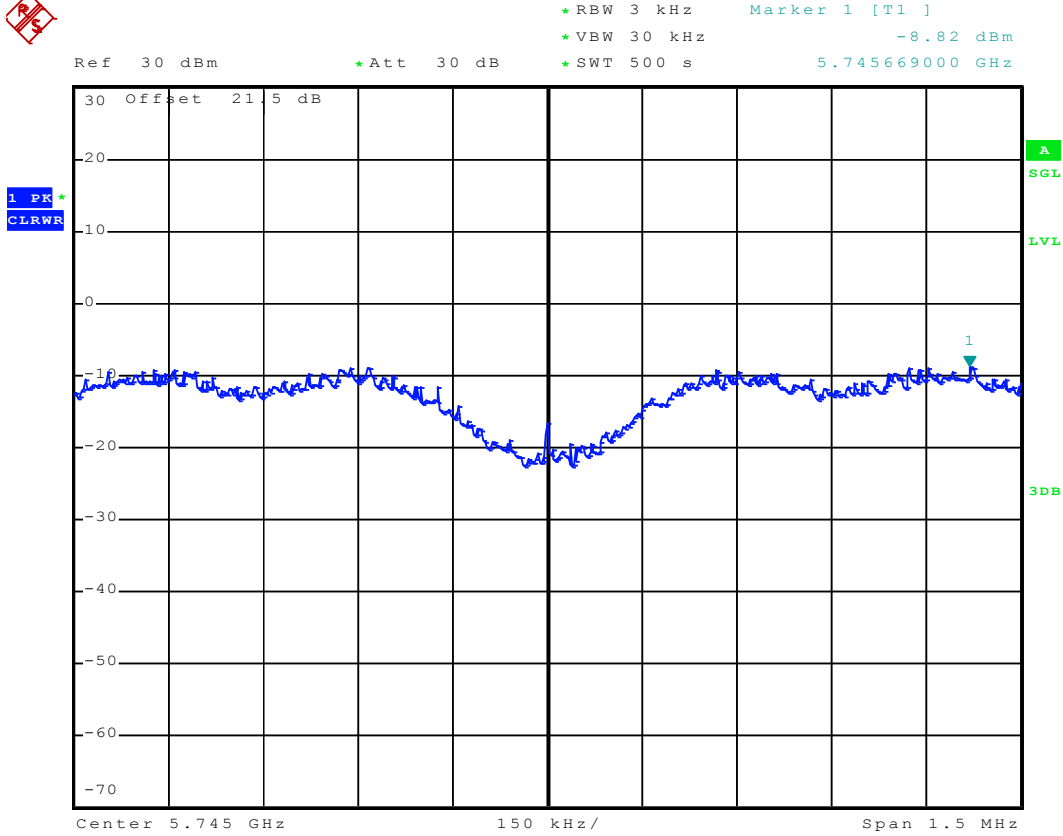
Mode 12



Date: 10.NOV.2007 00:22:34



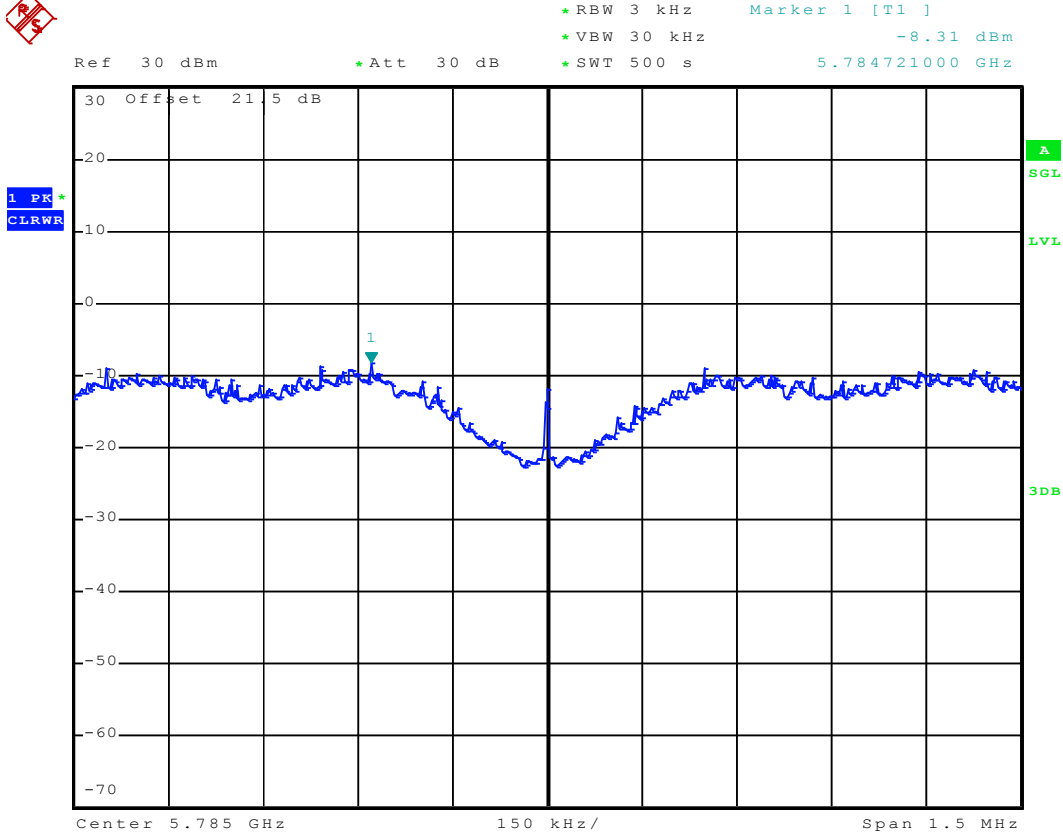
Mode 13



Date: 10.NOV.2007 00:57:56



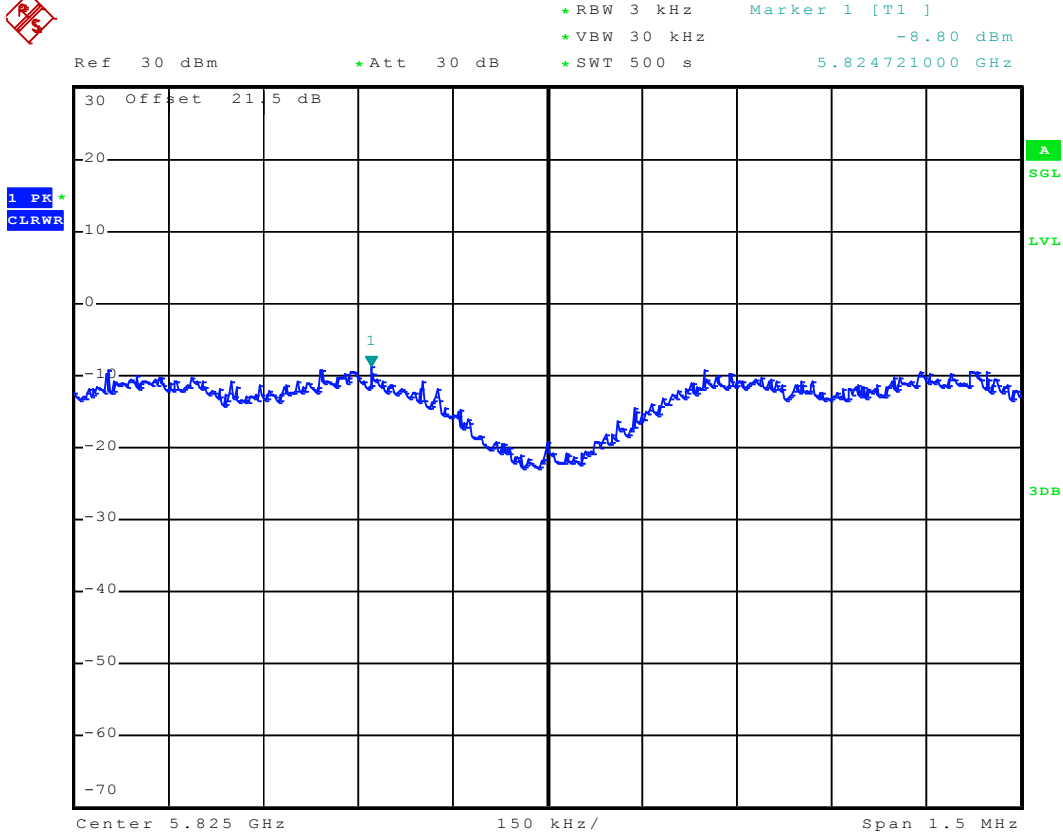
Mode 14



Date: 10.NOV.2007 01:07:16



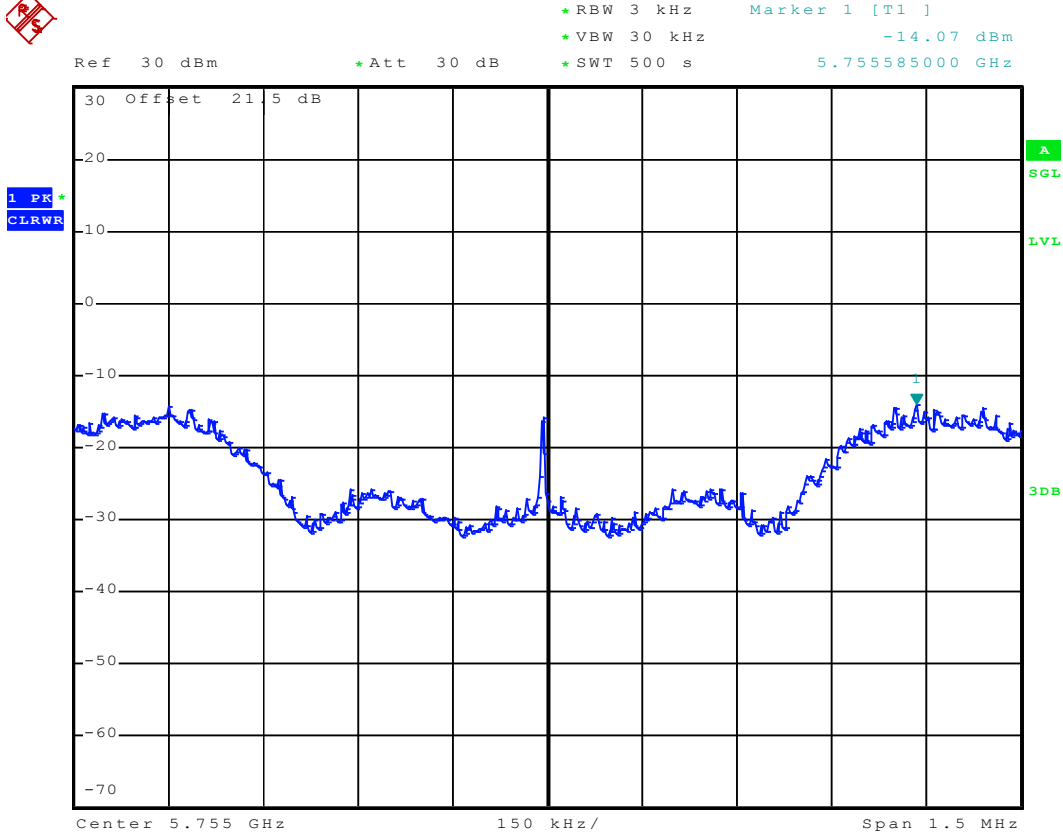
Mode 15



Date: 10.NOV.2007 01:17:37



Mode 16



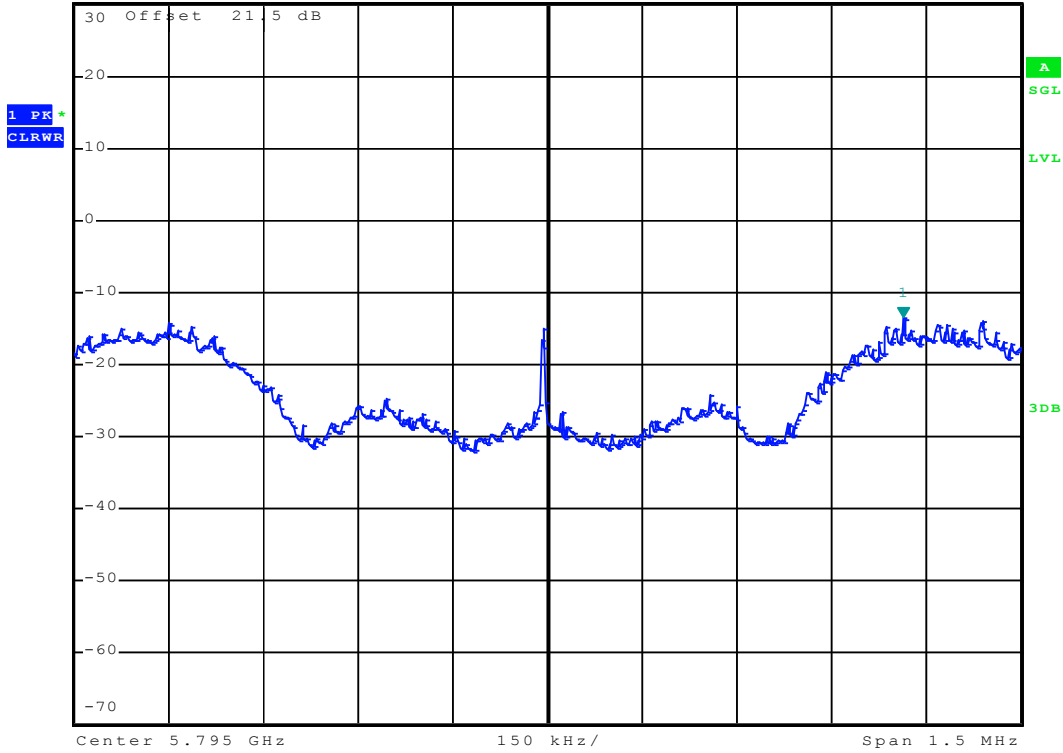
Date: 10.NOV.2007 02:04:12



Mode 17



Ref 30 dBm *Att 30 dB *RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -13.44 dBm
*SWT 500 s 5.795564000 GHz



Date: 10.NOV.2007 02:14:01



5.4 Band Edges Measurement

5.4.1 Measuring Instruments

As described in chapter 6 of this test report.

5.4.2 Test Procedure

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

5.4.3 Test Result

- Application Type : WLAN 802.11b/g
- Temperature : 25~26°C
- Relative Humidity : 49~51%
- Test Engineer : Ken

- Test Result in WLAN lower band (802.11b/g) : PASS
- Test Result in WLAN higher band (802.11b/g) : PASS
- Test Result in WLAN lower band (802.11a Band III) : PASS
- Test Result in WLAN higher band (802.11a Band III) : PASS
- Test Result in WLAN lower band (802.11n<g>_BW 20M) : PASS
- Test Result in WLAN higher band (802.11n<g>_BW 20M) : PASS
- Test Result in WLAN lower band (802.11n<a>_BW 20M) : PASS
- Test Result in WLAN higher band (802.11n<a>_BW 20M) : PASS
- Test Result in WLAN lower band (802.11n<a>_BW 40M) : PASS
- Test Result in WLAN higher band (802.11n<a>_BW 40M) : PASS



5.4.4 Note on Band Edge Emission :

>WLAN 802.11b

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	51.57	-22.43	74.00	53.54	28.07	3.74	33.78	100	0	Peak
2390.000	38.29	-15.71	54.00	40.26	28.07	3.74	33.78	100	38	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	47.81	-26.19	74.00	49.78	28.07	3.74	33.78	100	0	Peak
2390.000	34.50	-19.50	54.00	36.47	28.07	3.74	33.78	100	97	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	53.38	-20.62	74.00	55.08	28.26	3.84	33.80	100	0	Peak
2483.500	38.90	-15.10	54.00	40.60	28.26	3.84	33.80	100	32	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	49.44	-24.56	74.00	51.14	28.26	3.84	33.80	100	0	Peak
2483.500	35.75	-18.25	54.00	37.45	28.26	3.84	33.80	100	105	Average



>WLAN 802.11g

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	59.77	-14.23	74.00	61.74	28.07	3.74	33.78	100	0	Peak
2390.000	35.01	-18.99	54.00	36.98	28.07	3.74	33.78	100	36	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	55.52	-18.48	74.00	57.49	28.07	3.74	33.78	100	0	Peak
2390.000	32.51	-21.49	54.00	34.48	28.07	3.74	33.78	100	96	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	62.13	-11.87	74.00	63.83	28.26	3.84	33.80	100	0	Peak
2483.500	35.81	-18.19	54.00	37.51	28.26	3.84	33.80	142	35	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	58.88	-15.12	74.00	60.58	28.26	3.84	33.80	100	0	Peak
2483.500	34.55	-19.45	54.00	36.25	28.26	3.84	33.80	100	107	Average



>WLAN 802.11a

CH0149 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5348.000	52.43	-21.57	74.00	46.96	33.62	6.00	34.15	100	0	Peak
5348.000	39.31	-14.69	54.00	33.84	33.62	6.00	34.15	100	340	Average

CH0149 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5582.000	52.68	-21.32	74.00	46.89	33.85	6.01	34.08	100	0	Peak
5582.000	40.17	-13.83	54.00	34.38	33.85	6.01	34.08	120	177	Average

CH165 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6958.000	52.68	-21.32	74.00	43.76	35.10	6.34	32.52	100	0	Peak
6958.000	40.50	-13.50	54.00	31.58	35.10	6.34	32.52	100	9	Average

CH165 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6982.000	53.23	-20.77	74.00	44.21	35.17	6.35	32.50	100	0	Peak
6982.000	40.65	-13.35	54.00	31.63	35.17	6.35	32.50	127	8	Average



➤ WLAN 802.11n(g)_BW 20M

CH01 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	55.34	-18.66	74.00	57.31	28.07	3.74	33.78	100	0	Peak
2390.000	37.50	-16.50	54.00	39.47	28.07	3.74	33.78	100	99	Average

CH01 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390.000	56.43	-17.57	74.00	58.40	28.07	3.74	33.78	100	0	Peak
2390.000	38.44	-15.66	54.00	40.41	28.07	3.74	33.78	100	101	Average

CH11 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	60.47	-13.53	74.00	62.17	28.26	3.84	33.80	100	0	Peak
2483.500	41.73	-12.27	54.00	43.43	28.26	3.84	33.80	103	203	Average

CH11 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.500	63.11	-10.89	74.00	64.81	28.26	3.84	33.80	100	0	Peak
2483.500	42.58	-11.42	54.00	44.28	28.26	3.84	33.80	100	103	Average



➤ WLAN 802.11n(a)_BW 20M

CH0149 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5670.000	55.52	-18.48	74.00	49.66	33.90	6.02	34.07	100	0	Peak
5670.000	42.24	-11.76	54.00	36.38	33.90	6.02	34.07	100	344	Average

CH0149 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5588.000	52.15	-21.85	74.00	46.36	33.85	6.01	34.08	100	0	Peak
5588.000	39.84	-14.16	54.00	34.05	33.85	6.01	34.08	100	324	Average

CH165 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6910.000	52.45	-21.55	74.00	43.66	35.03	6.33	32.56	100	0	Peak
6910.000	39.48	-14.52	54.00	30.69	35.03	6.33	32.56	100	305	Average

CH165 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6894.000	53.03	-20.97	74.00	44.29	34.99	6.33	32.58	100	0	Peak
6894.000	40.12	-13.88	54.00	31.38	34.99	6.33	32.58	102	4	Average



➤ WLAN 802.11n(g)_BW 40M

CH0151 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5558.000	52.07	-21.93	74.00	46.31	33.83	6.01	34.09	100	0	Peak
5558.000	38.01	-15.99	54.00	32.25	33.83	6.01	34.09	100	304	Average

CH0151 (Vertical)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5622.000	51.99	-22.10	74.00	46.18	33.87	6.02	34.08	100	0	Peak
5622.000	38.32	-15.68	54.00	32.51	33.87	6.02	34.08	100	327	Average

CH159 (Horizontal)

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6964.000	53.88	-20.12	74.00	44.93	35.13	6.34	32.52	100	0	Peak
6964.000	40.59	-13.41	54.00	31.64	35.13	6.34	32.52	100	303	Average

CH159 (Vertical)

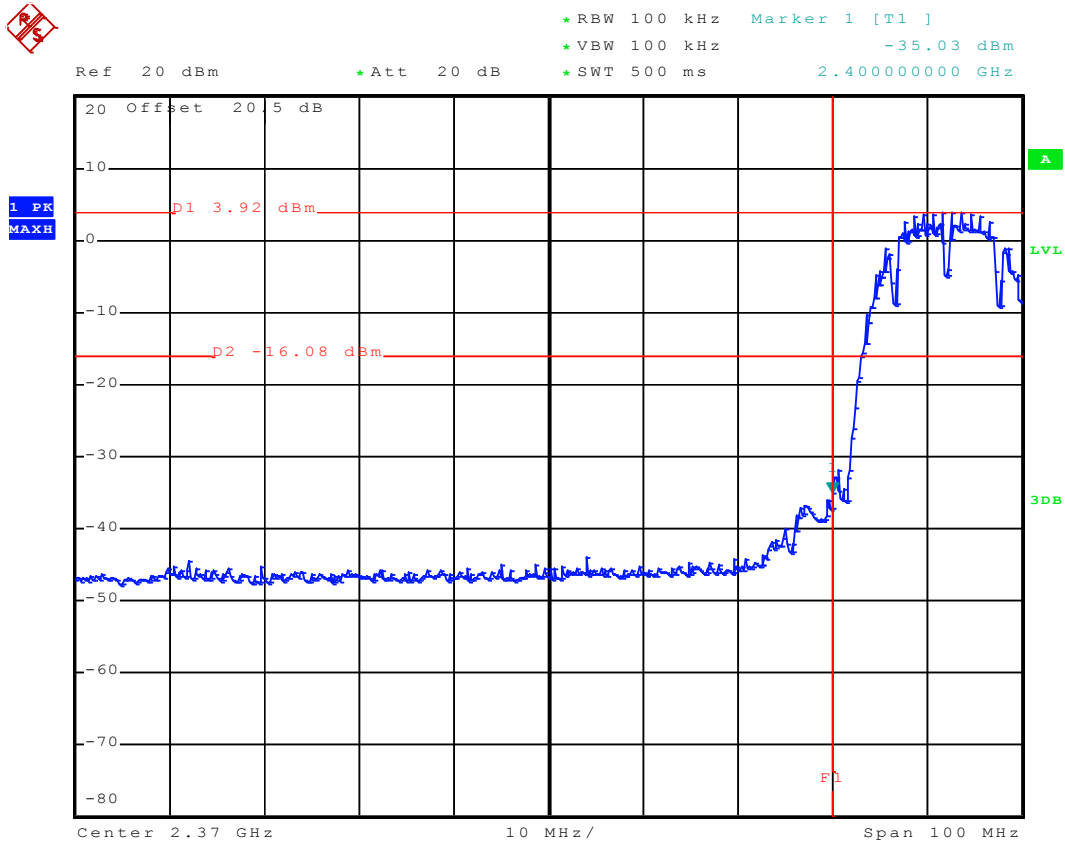
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
6686.000	53.32	-20.68	74.00	45.27	34.54	6.26	32.75	100	0	Peak
6686.000	39.41	-14.59	54.00	31.36	34.54	6.26	32.75	100	327	Average



5.4.5 Band Edge

WLAN 802.11b

CH01

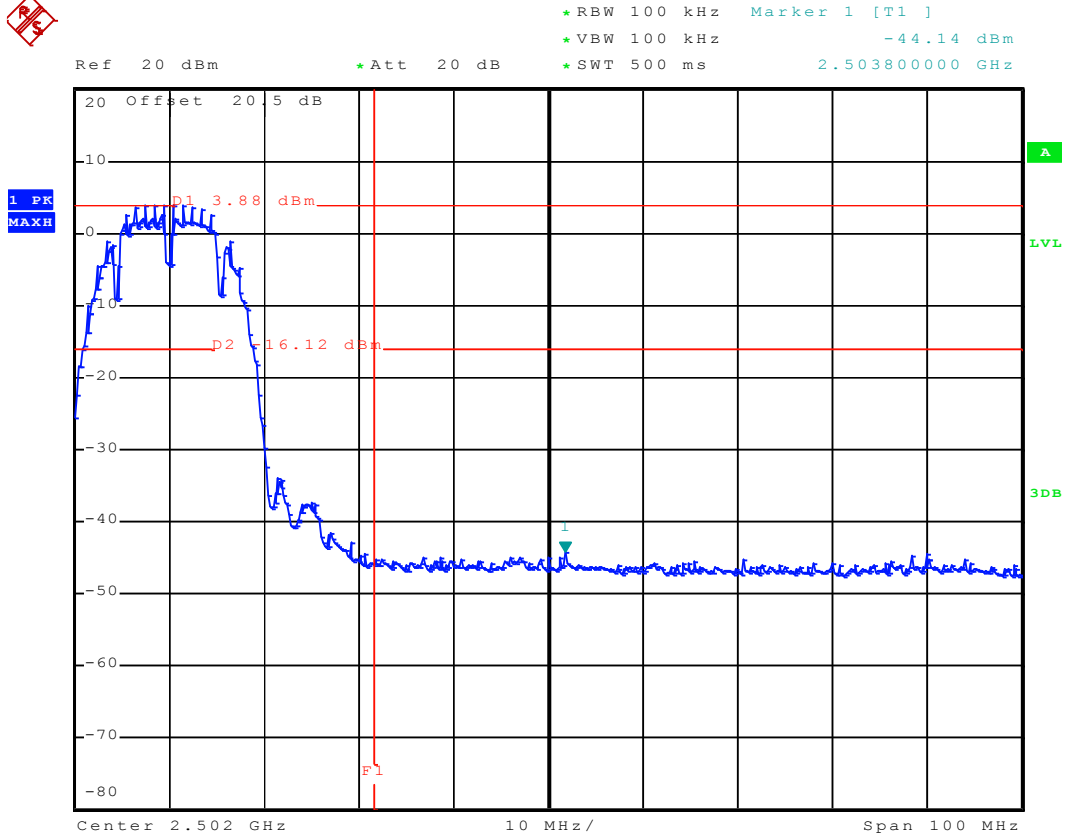


Date: 5.NOV.2007 20:12:07



WLAN 802.11b

CH11

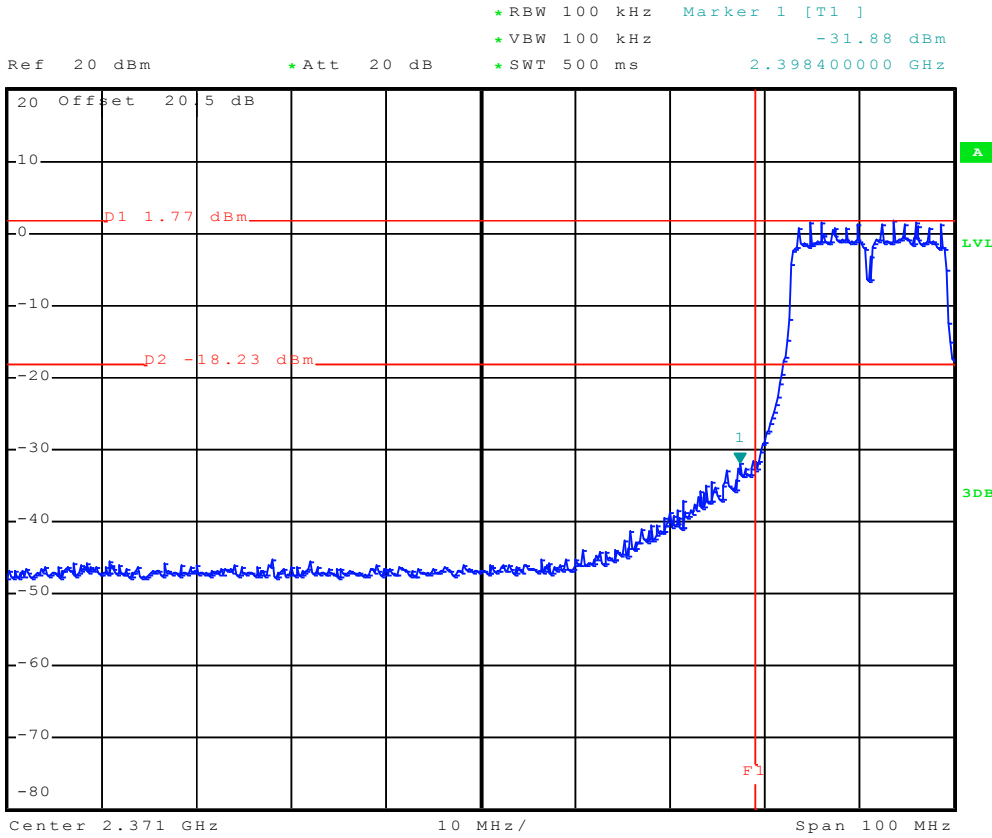


Date: 5.NOV.2007 22:24:56



WLAN 802.11g

CH01



Date: 5.NOV.2007 20:17:42



WLAN 802.11g

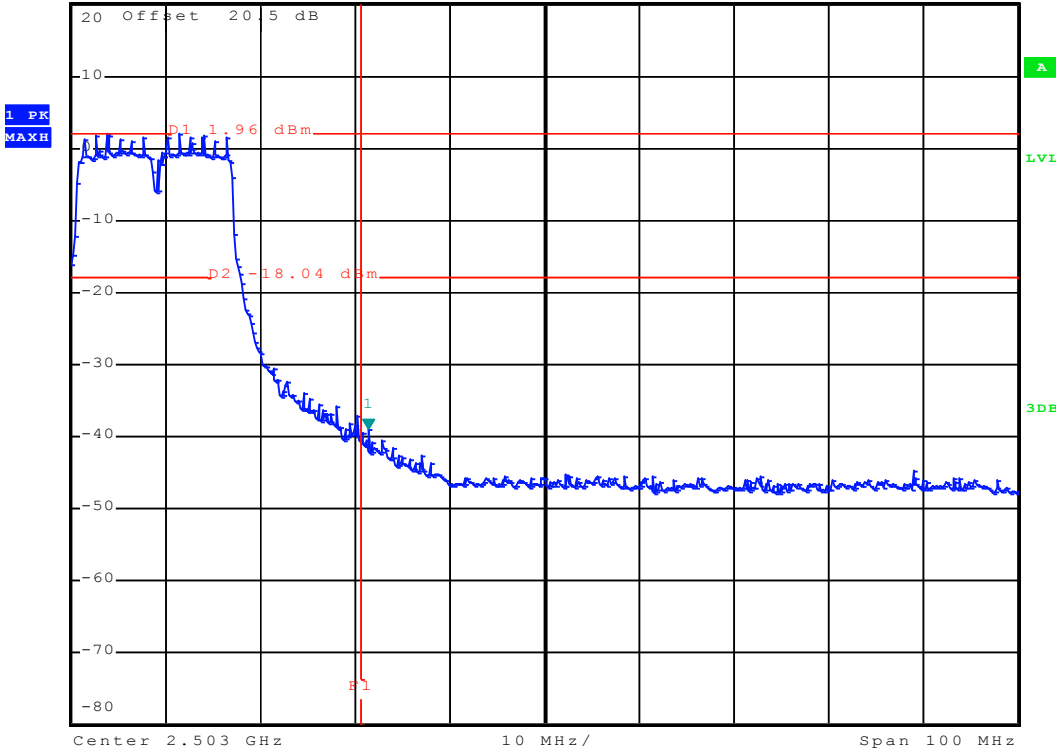
CH11



*RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -39.04 dBm
*SWT 500 ms 2.484400000 GHz

Ref 20 dBm

*Att 20 dB



Date: 5.NOV.2007 20:19:40



WLAN 802.11a

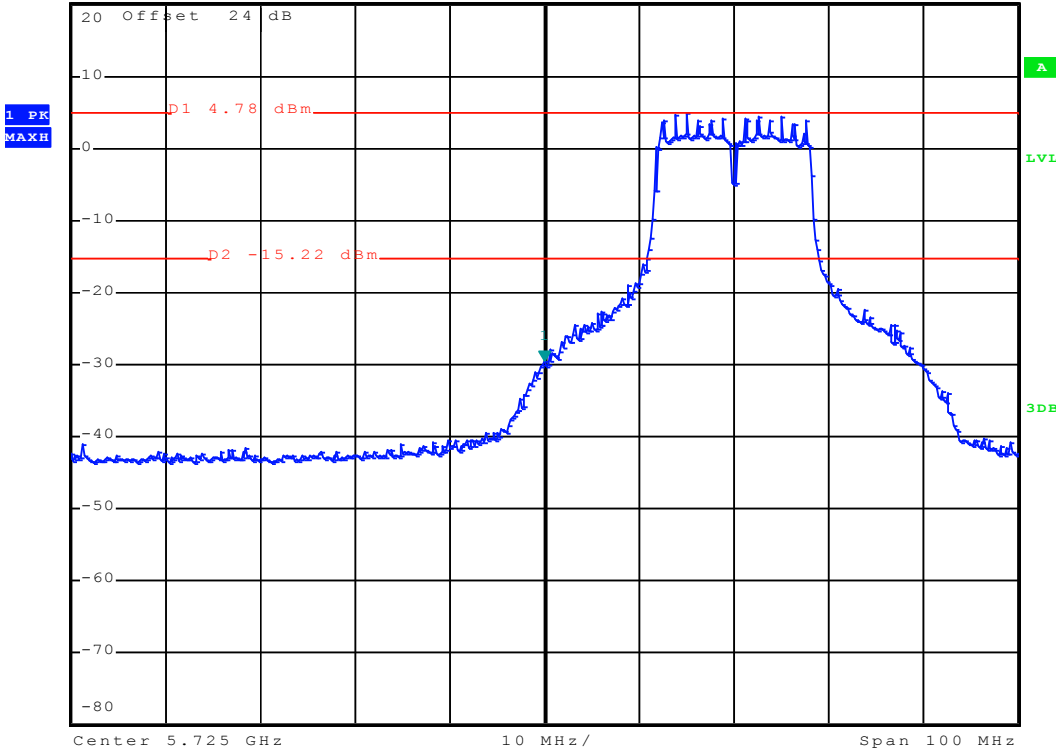
CH0149



*RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -29.55 dBm
*SWT 500 ms 5.725000000 GHz

Ref 20 dBm

*Att 20 dB



Date: 5.NOV.2007 22:58:53



CH165

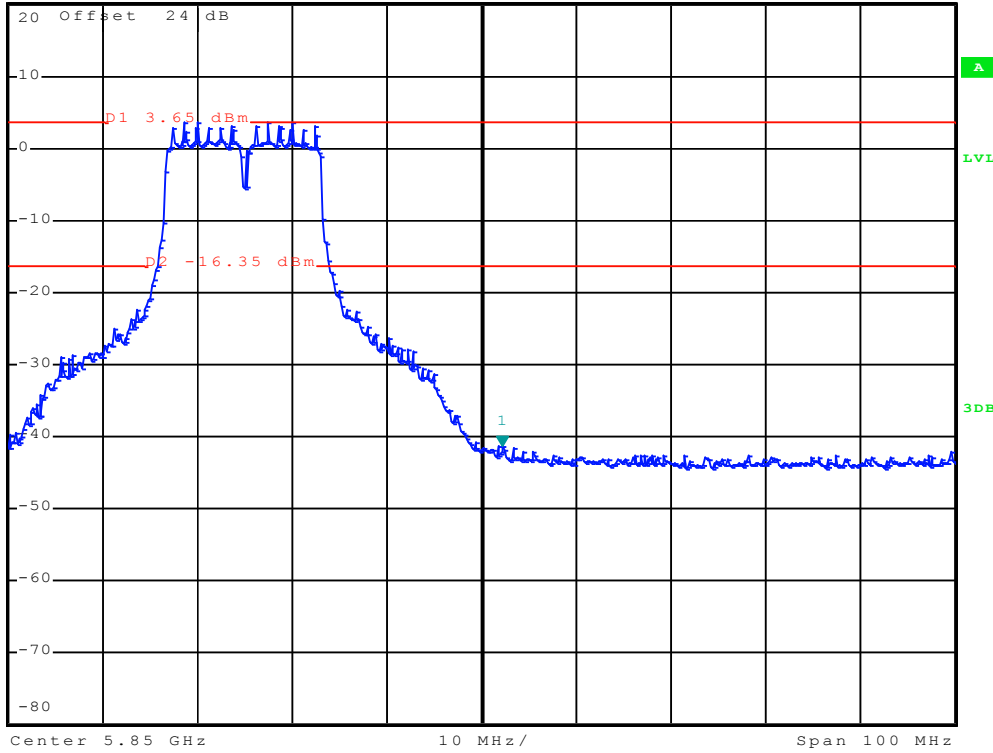


* RBW 100 kHz Marker 1 [T1]
* VBW 100 kHz -41.24 dBm
* SWT 500 ms 5.852200000 GHz

Ref 20 dBm

* Att 20 dB

1 PK
MAXH



Date: 5.NOV.2007 22:55:16



WLAN 802.11n(g)_BW 20M

CH01

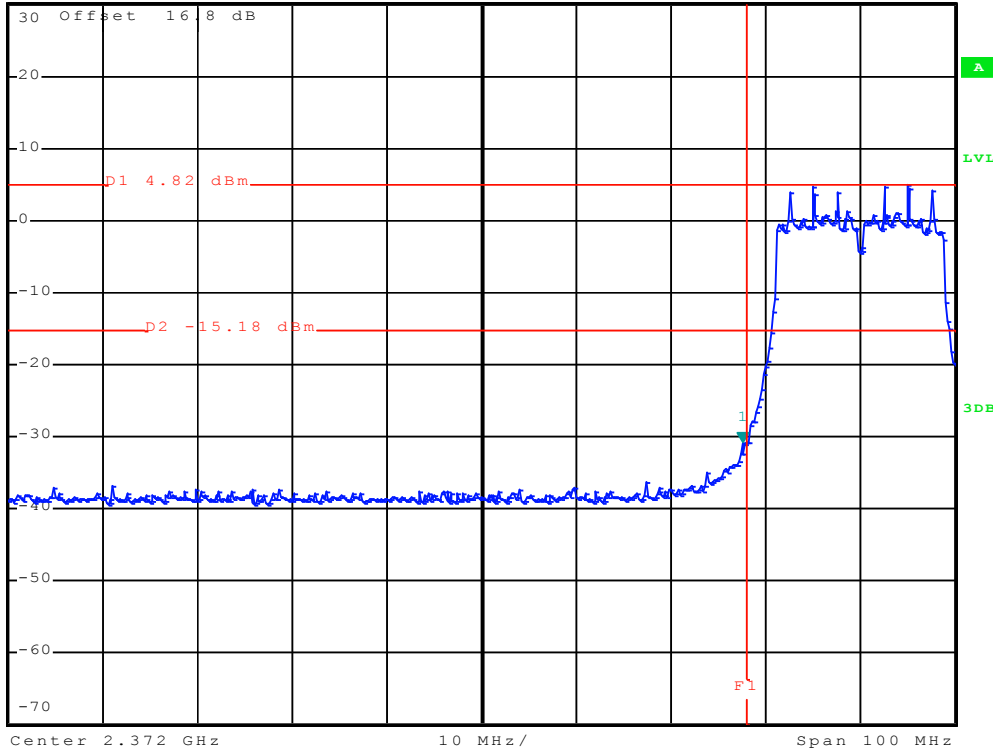


*RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -30.82 dBm
*SWT 500 ms 2.399600000 GHz

Ref 30 dBm

*Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 00:31:17



CH11

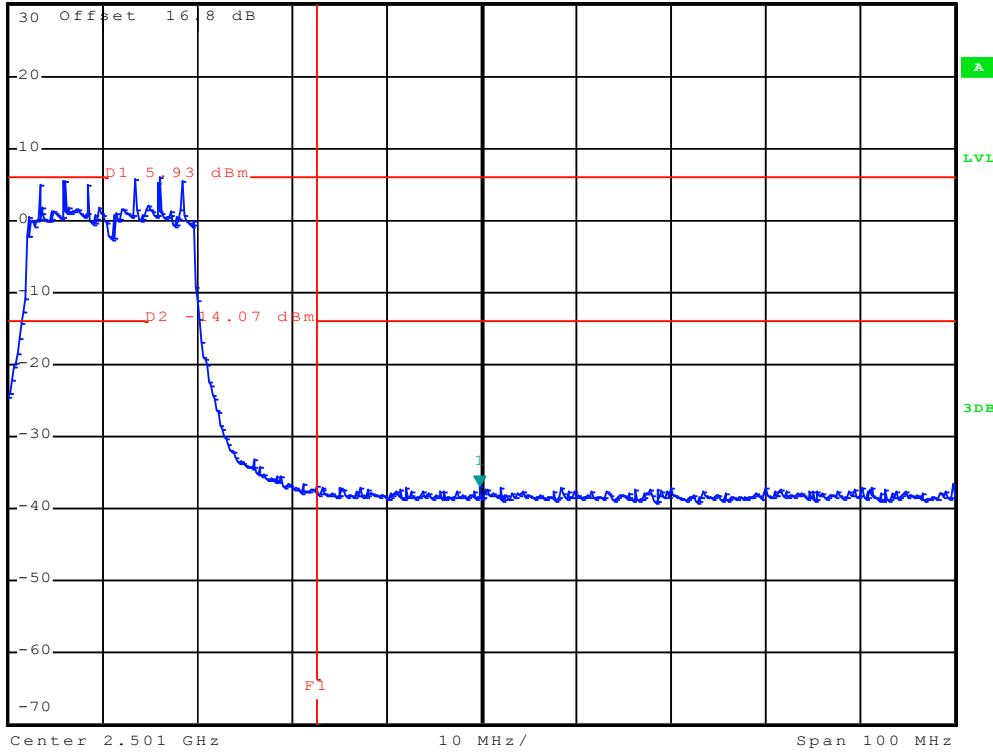


* RBW 100 kHz Marker 1 [T1]
* VBW 100 kHz -36.74 dBm
* SWT 500 ms 2.500800000 GHz

Ref 30 dBm

* Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 00:34:38



WLAN 802.11n(a)_BW 20M

CH149

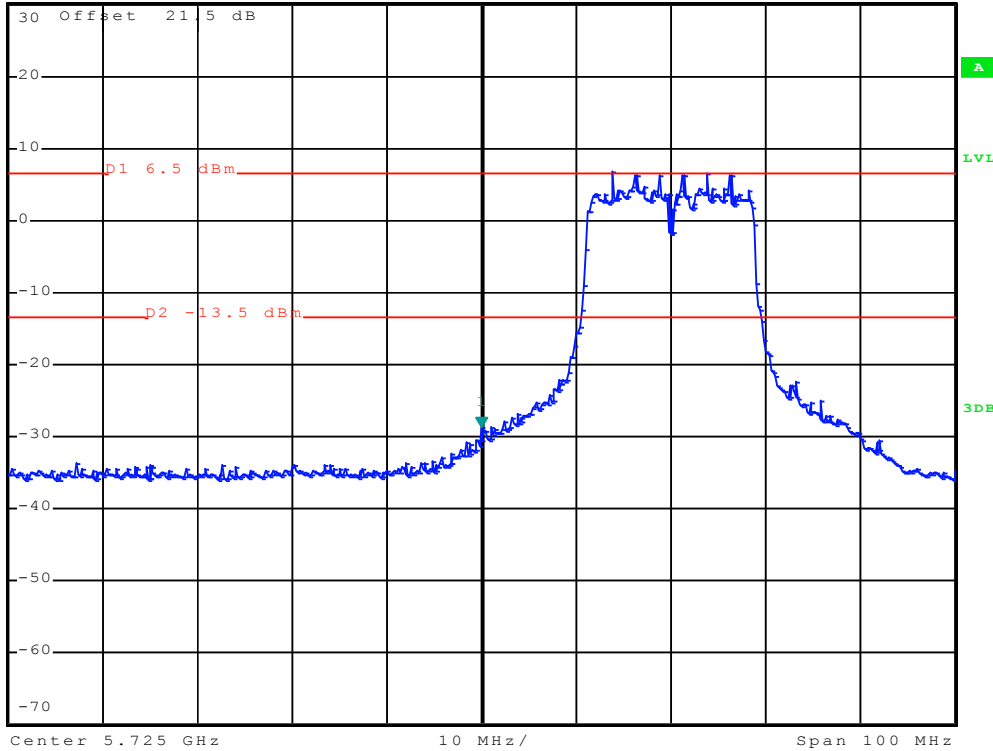


*RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -28.72 dBm
*SWT 500 ms 5.725000000 GHz

Ref 30 dBm

*Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 01:31:07



CH165

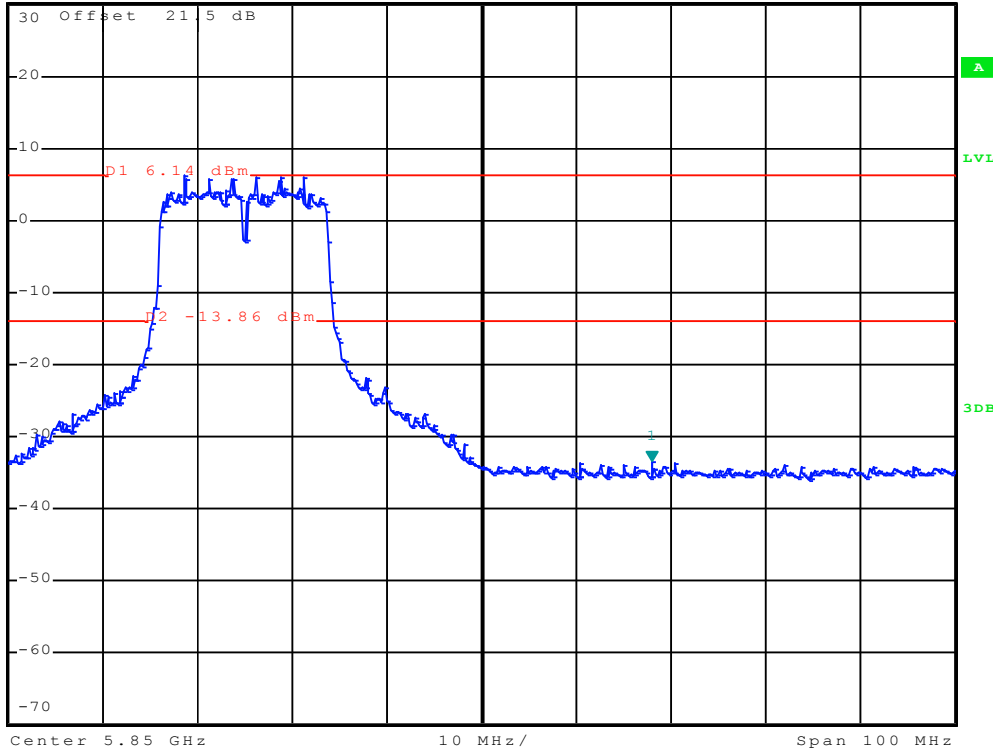


* RBW 100 kHz Marker 1 [T1]
* VBW 100 kHz -33.50 dBm
* SWT 500 ms 5.868000000 GHz

Ref 30 dBm

* Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 01:27:40



WLAN 802.11n(a)_BW 40M

CH151

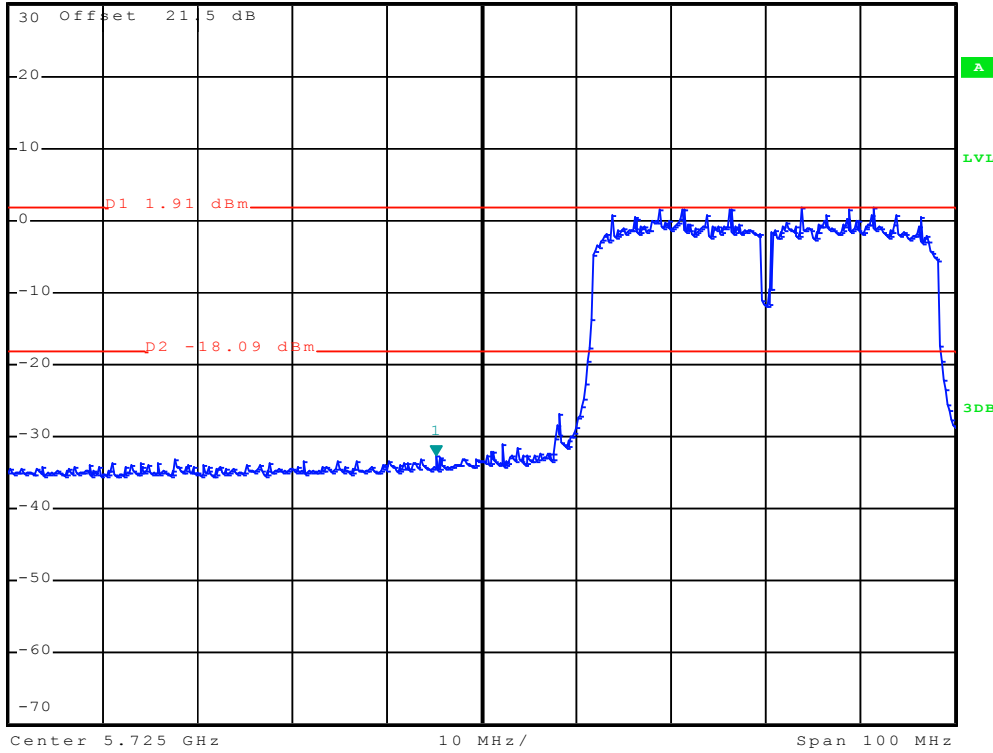


*RBW 100 kHz Marker 1 [T1]
*VBW 100 kHz -32.73 dBm
*SWT 500 ms 5.720200000 GHz

Ref 30 dBm

*Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 02:39:17



CH159

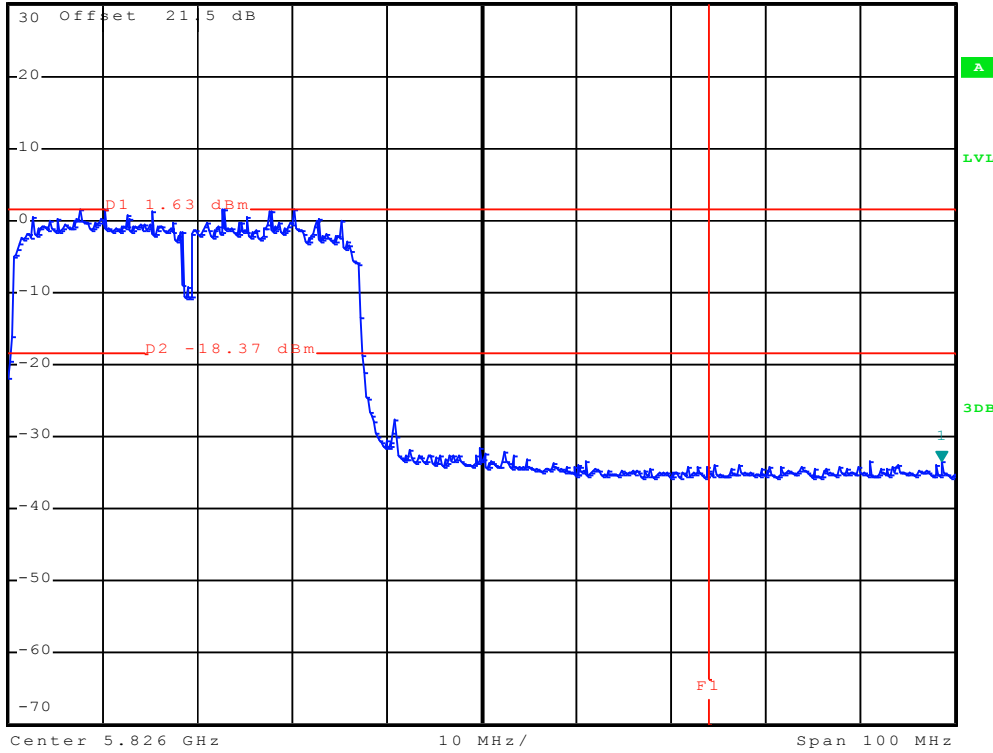


* RBW 100 kHz Marker 1 [T1]
* VBW 100 kHz -33.43 dBm
* SWT 500 ms 5.874600000 GHz

Ref 30 dBm

* Att 30 dB

1 PK
MAXH



Date: 10.NOV.2007 02:45:14

5.5 Peak Output Power Measurement

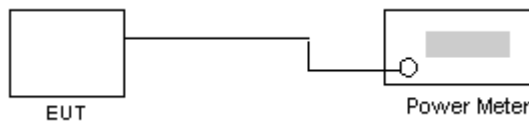
5.5.1 Measuring Instruments

As described in chapter 6 of this test report.

5.5.2 Test Procedure

The antenna port of the EUT was connected to the input of a power meter. The power is equal to the reading level on power meter plus cable loss at the EUT antenna terminal.

5.5.3 Test Setup Layout



5.5.4 Test Result :

- Application Type : WLAN 802.11b/g
- Temperature : 25~26°C
- Relative Humidity : 49~51%
- Test Enginner : Ken

WLAN 802.11b

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
01	2412	14.06	1W / 30dBm
06	2437	14.33	1W / 30dBm
11	2462	14.66	1W / 30dBm

WLAN 802.11g

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
01	2412	20.50	1W / 30dBm
06	2437	20.67	1W / 30dBm
11	2462	21.66	1W / 30dBm



WLAN 802.11a

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
149	5745	21.09	1W / 30dBm
157	5785	20.35	1W / 30dBm
165	5825	20.35	1W / 30dBm

WLAN 802.11n(g)_BW 20M

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
01	2412	22.31	1W / 30dBm
06	2437	22.42	1W / 30dBm
11	2462	23.99	1W / 30dBm

WLAN 802.11n(a)_BW 20M

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
149	5745	24.83	1W / 30dBm
157	5785	24.48	1W / 30dBm
165	5825	23.89	1W / 30dBm

WLAN 802.11n(a)_BW 40M

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt / dBm)
151	5755	21.89	1W / 30dBm
159	5795	21.68	1W / 30dBm



5.6 Conducted Emission

5.6.1 Measuring Instruments

As described in chapter 6 of this test Report.

The receiver setting :

150 KHz ~ 30 MHz	Detector : Quasi – Peak and Average Bandwidth : 9 KHz
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5.6.2 Test Procedures

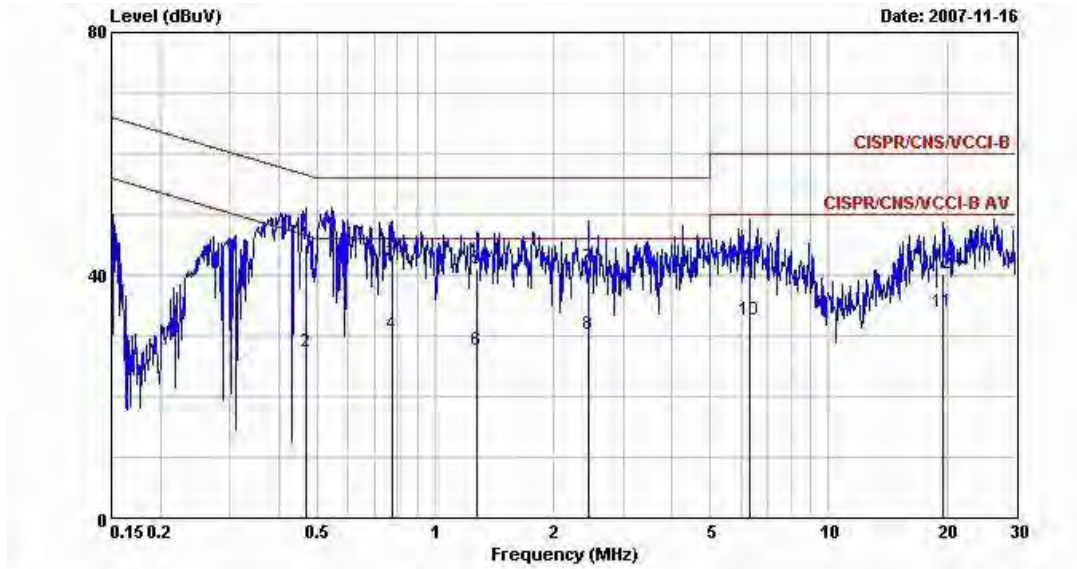
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of a line impedance stabilization network (LISN).
- c. All the support units are connected to the other LISN.
- 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.



5.6.3 Test Data

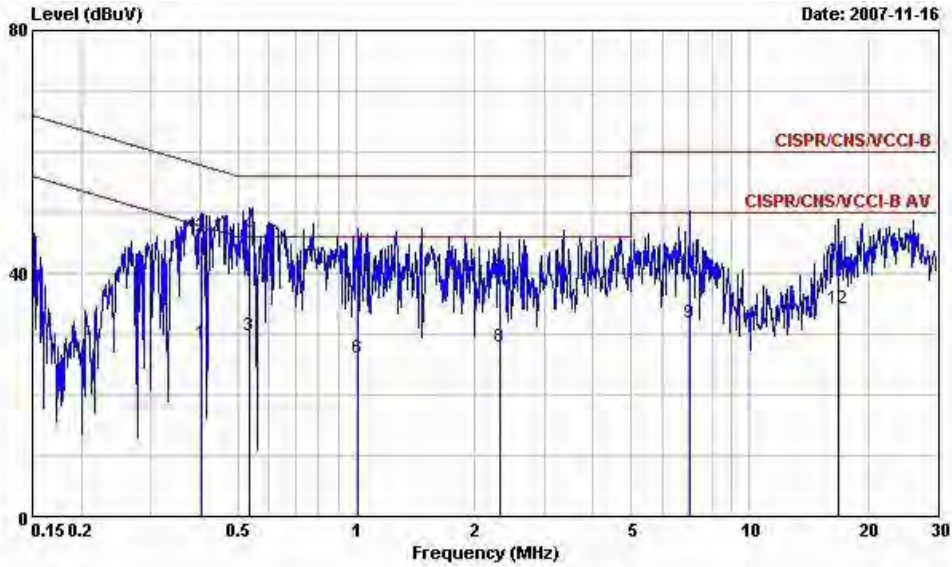
- Temperature : 25~26°C
- Relative Humidity : 49~51%
- Test Enginner : Ken
- Test Mode : Mode 1

■ 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 : FR701819
 Memo : WLAN Link+BT Link+Adaptor

Freq	Level	Over	Limit	Read	LISN	Cable	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 : FR701819
 Memo : WLAN Link+BT Link+Adaptor

	Over	Limit	Read	LISN	Cable	
Freq	Level	Limit	Line	Level	Factor	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



5.7 Radiated Emission Measurement

5.7.1 Measuring Instruments

As described in chapter 6 of this Report.

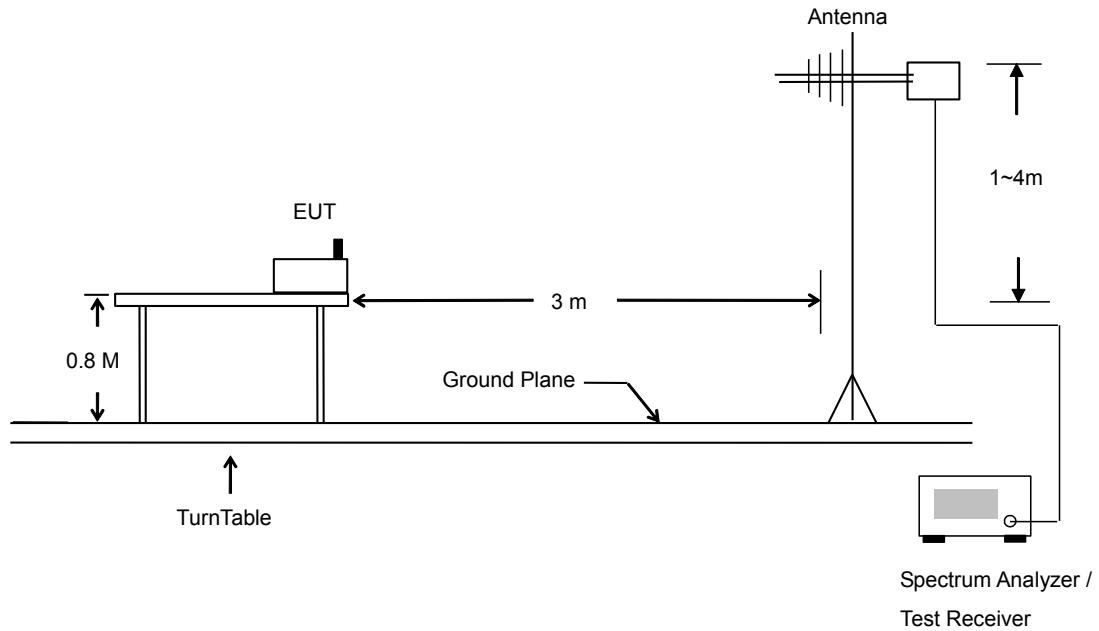
The spectrum analyzer setting :

30 ~ 1000 MHz	Detector : Quasi – Peak Bandwidth : 120 KHz
1 ~ 25 GHz	Detector : Peak and Average Bandwidth : 1 MHz

5.7.2 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.

5.7.3 Typical Test Setup Layout of Radiated Emission

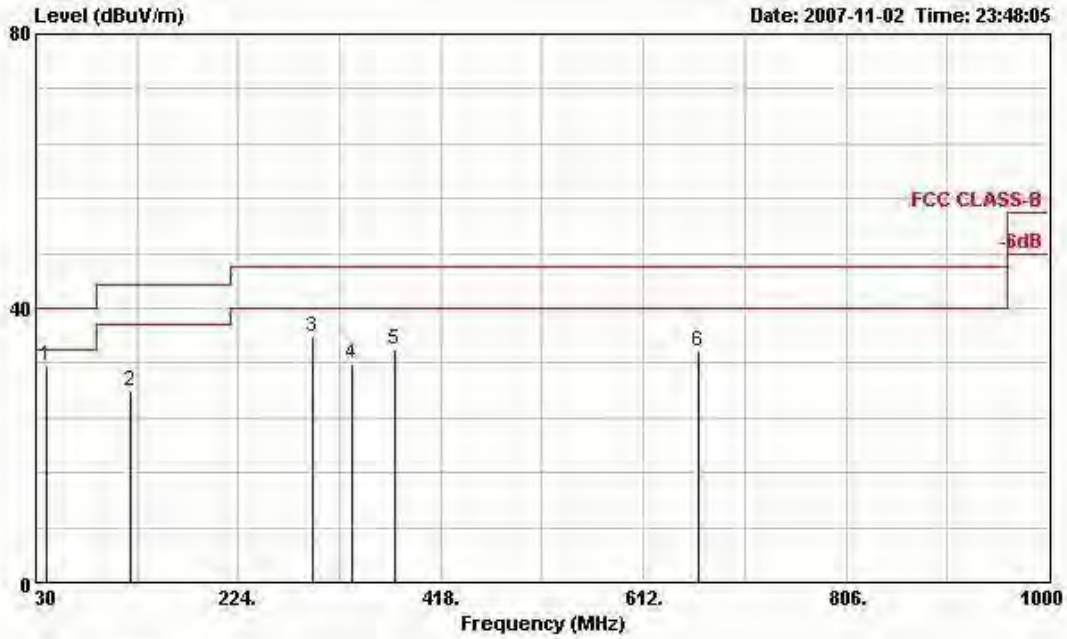




5.7.4 Test Data

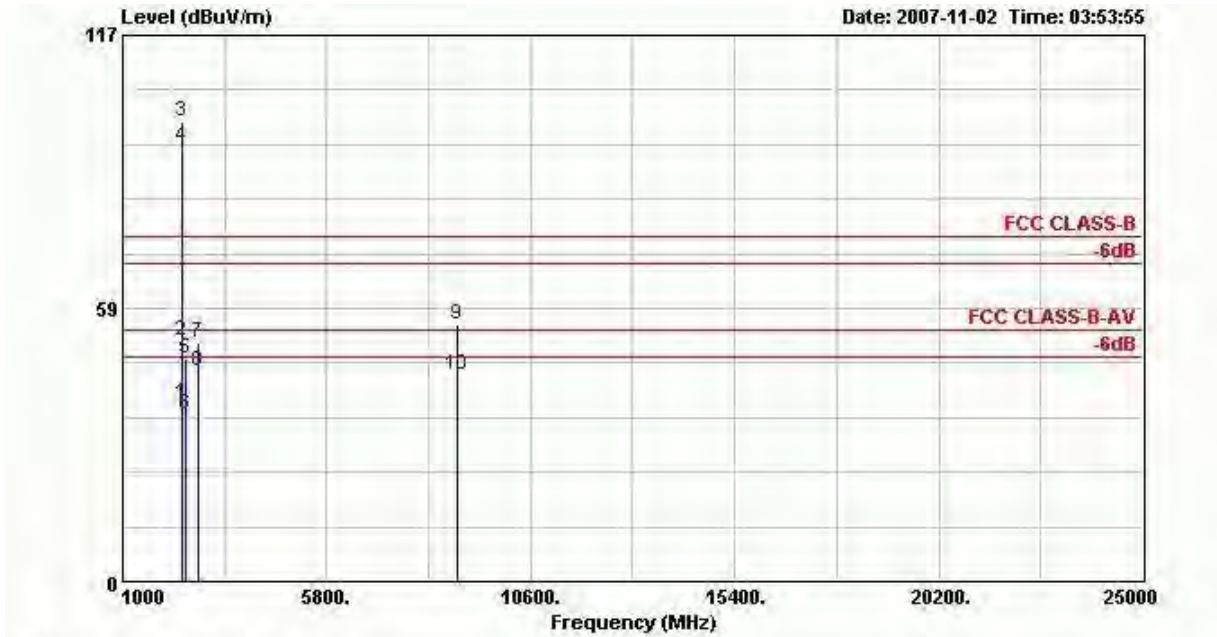
- Temperature : 25~26°C
- Relating Humidity : 49~51%
- Test Enginner : Derek
- Test Mode : Mode 1
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH01;2412MHz
 Data Rate: 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark	
			dB	dBuV/m	dBuV	dB	dB	cm	deg		
1	40.260	31.66	-8.34	40.00	45.86	11.46	0.97	26.64	100	147 Peak	
2	120.180	28.01	-15.49	43.50	42.18	10.74	1.47	26.39	---	---	Peak
3	295.410	35.77	-10.23	46.00	46.96	12.33	2.22	25.75	---	---	Peak
4	332.900	31.93	-14.07	46.00	42.09	13.45	2.35	25.95	---	---	Peak
5	374.200	33.91	-12.09	46.00	42.78	14.88	2.49	26.24	---	---	Peak
6	665.400	33.72	-12.28	46.00	37.24	20.06	3.45	27.02	---	---	Peak



Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH01;2412MHz
 Data Rate: 2

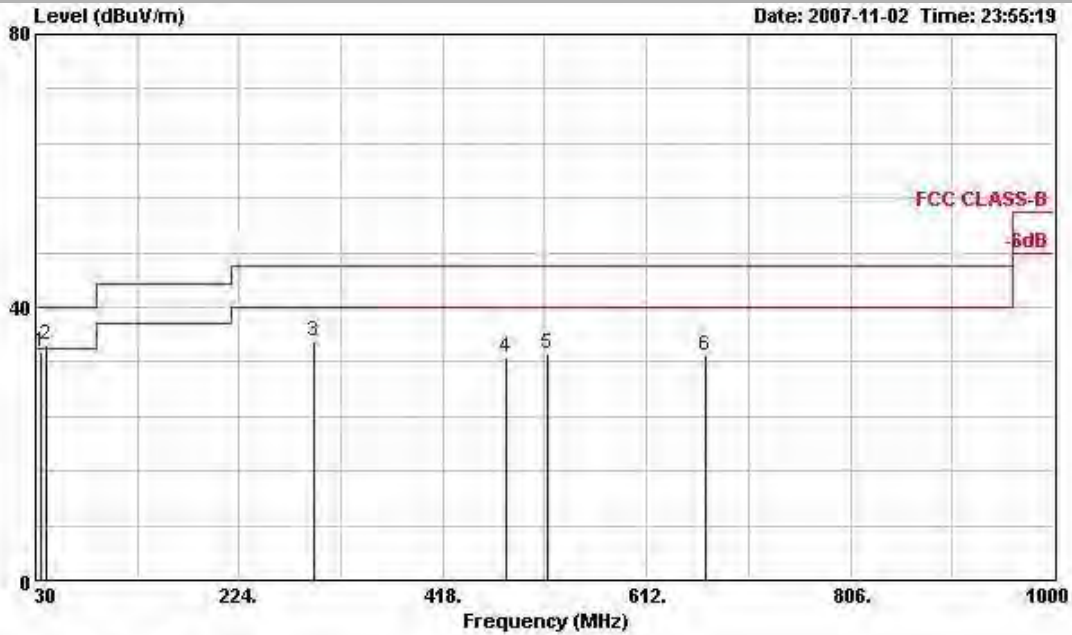
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	38.29	-15.71	54.00	40.26	28.07	3.74	33.78	100	38	Average
2	2390.000	51.57	-22.43	74.00	53.54	28.07	3.74	33.78	100	0	Peak
3 X	2412.000	98.60			100.51	28.11	3.76	33.78	100	0	Peak
4 @	2412.000	93.14			95.05	28.11	3.76	33.78	100	38	Average
5	2492.000	47.91	-26.09	74.00	49.57	28.30	3.84	33.80	100	0	Peak
6	2492.000	35.90	-18.10	54.00	37.56	28.30	3.84	33.80	100	38	Average
7	2782.000	51.37	-22.63	74.00	51.89	29.38	4.14	34.03	100	0	Peak
8	2782.000	45.22	-8.78	54.00	45.74	29.38	4.14	34.03	100	196	Average
9	8853.000	55.15	-18.85	74.00	44.71	37.92	7.20	34.68	100	0	Peak
10	8853.000	44.14	-9.86	54.00	33.70	37.92	7.20	34.68	100	131	Average

Remark: #3 and #4 Fundamental Signal



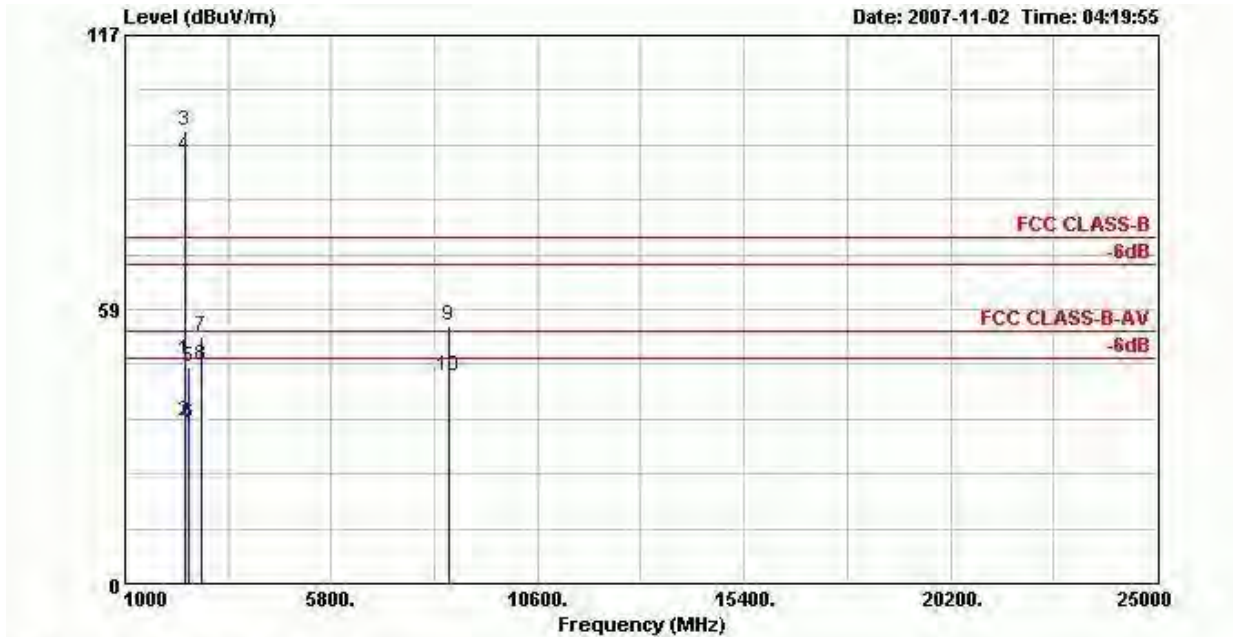
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH01;2412MHz
 Data Rate: 2

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	33.37	-6.63	40.00	42.82	16.29	0.91	26.65	---	---	Peak
2 !	39.450	34.49	-5.51	40.00	48.35	11.82	0.96	26.64	100	154	Peak
3	295.410	34.91	-11.09	46.00	46.10	12.33	2.22	25.75	---	---	Peak
4	478.500	32.63	-13.37	46.00	40.14	16.65	2.77	26.94	---	---	Peak
5	517.700	33.06	-12.94	46.00	39.82	17.43	2.88	27.07	---	---	Peak
6	668.200	32.86	-13.14	46.00	36.37	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH01;2412MHz
 Data Rate: 2

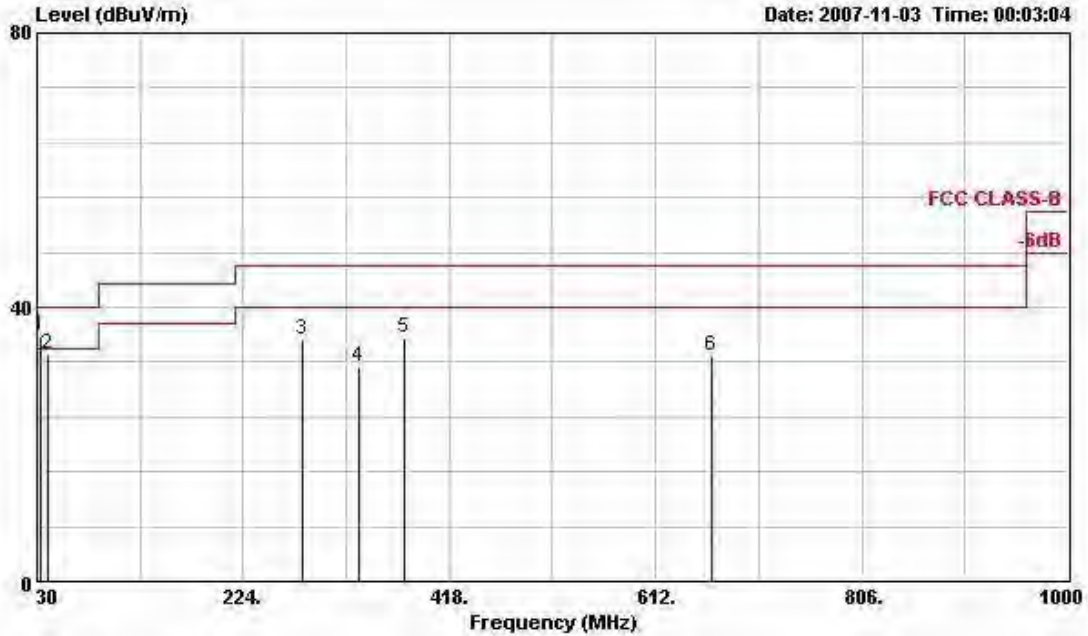
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	47.81	-26.19	74.00	49.78	28.07	3.74	33.78	100	0	Peak
2	2390.000	34.50	-19.50	54.00	36.47	28.07	3.74	33.78	100	97	Average
3 X	2412.000	96.71			98.62	28.11	3.76	33.78	100	0	Peak
4 @	2412.000	91.21			93.12	28.11	3.76	33.78	100	97	Average
5	2492.000	46.28	-27.72	74.00	47.94	28.30	3.84	33.80	100	0	Peak
6	2492.000	34.19	-19.81	54.00	35.85	28.30	3.84	33.80	100	97	Average
7	2782.000	52.61	-21.39	74.00	53.13	29.38	4.14	34.03	100	0	Peak
8	2782.000	46.42	-7.58	54.00	46.94	29.38	4.14	34.03	100	179	Average
9	8517.000	55.13	-18.87	74.00	45.01	37.52	7.02	34.42	100	0	Peak
10	8517.000	44.31	-9.69	54.00	34.19	37.52	7.02	34.42	100	198	Average

Remark: #3 and #4 Fundamental Signal



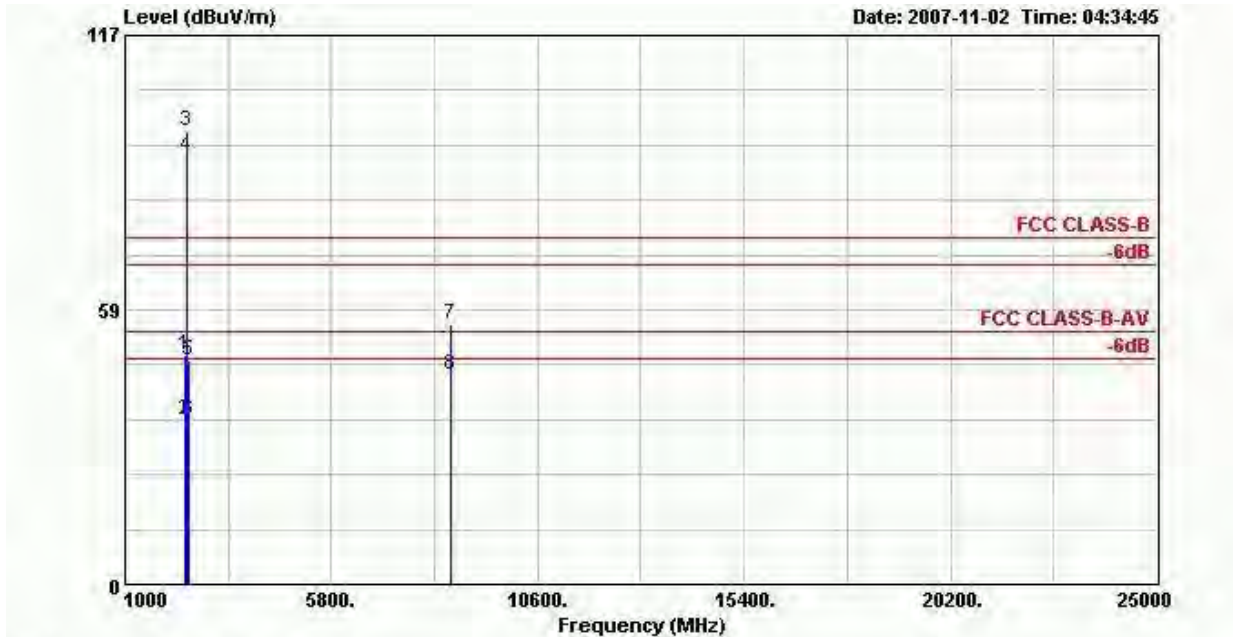
- Test Mode : Mode 2
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH06:2437MHz
 Data Rate: 2

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dE	dB	cm	deg	
1	33.780	35.85	-4.15	40.00	45.29	16.31	0.91	26.66	100	132	Peak
2	39.450	33.22	-6.78	40.00	47.08	11.82	0.96	26.64	---	---	Peak
3	278.940	35.19	-10.81	46.00	46.41	12.42	2.16	25.80	---	---	Peak
4	332.200	31.22	-14.78	46.00	41.38	13.45	2.35	25.95	---	---	Peak
5	374.900	35.42	-10.58	46.00	44.25	14.92	2.49	26.24	---	---	Peak
6	665.400	32.79	-13.21	46.00	36.31	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH06:2437MHz
 Data Rate: 2

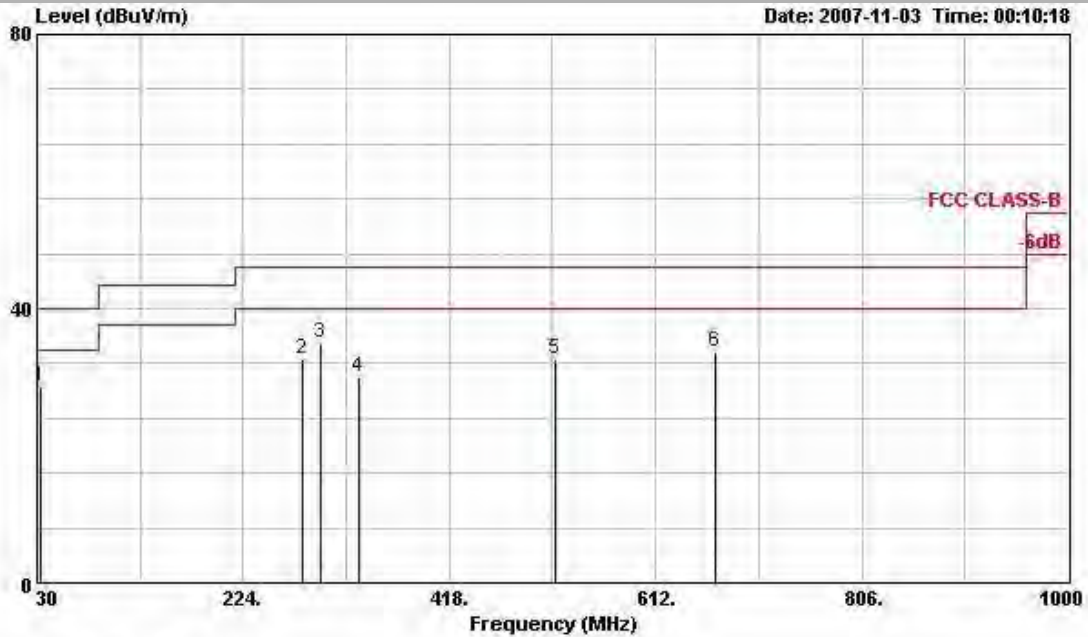
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	48.73	-25.27	74.00	50.70	28.07	3.74	33.78	100	0	Peak
2	2390.000	34.87	-19.13	54.00	36.84	28.07	3.74	33.78	100	38	Average
3 X	2437.000	96.70			98.51	28.19	3.79	33.79	100	0	Peak
4 @	2437.000	91.10			92.91	28.19	3.79	33.79	100	38	Average
5	2484.000	47.75	-26.25	74.00	49.45	28.26	3.84	33.80	100	0	Peak
6	2484.000	35.15	-18.85	54.00	36.85	28.26	3.84	33.80	100	38	Average
7	8574.000	55.33	-18.67	74.00	45.13	37.60	7.06	34.46	100	0	Peak
8	8574.000	44.73	-9.27	54.00	34.53	37.60	7.06	34.46	100	154	Average

Remark: #3 and #4 Fundamental Signal



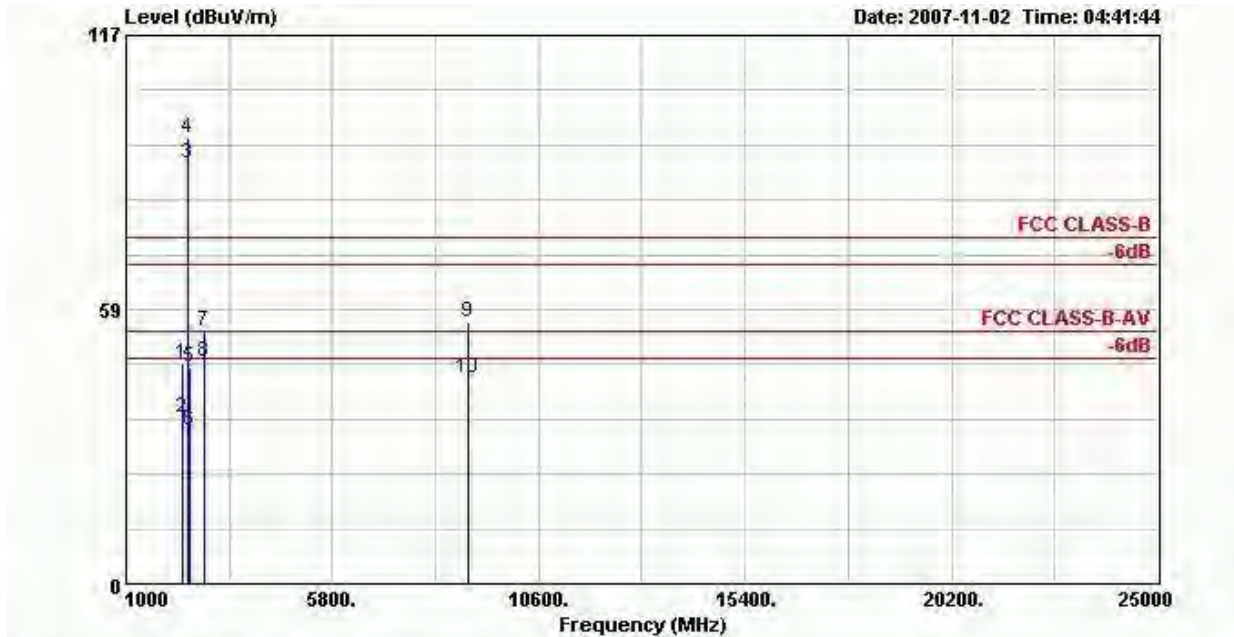
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH06:2437MHz
 Data Rate: 2

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.970	28.74	-11.26	40.00	38.18	16.33	0.90	26.66	---	---	Peak
2	280.290	32.65	-13.35	46.00	43.87	12.41	2.17	25.80	---	---	Peak
3	296.220	35.08	-10.92	46.00	46.26	12.33	2.23	25.74	100	214	Peak
4	332.900	29.94	-16.06	46.00	40.10	13.45	2.35	25.95	---	---	Peak
5	517.700	32.53	-13.47	46.00	39.29	17.43	2.88	27.07	---	---	Peak
6	668.200	33.75	-12.25	46.00	37.26	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH06:2437MHz
 Data Rate: 2

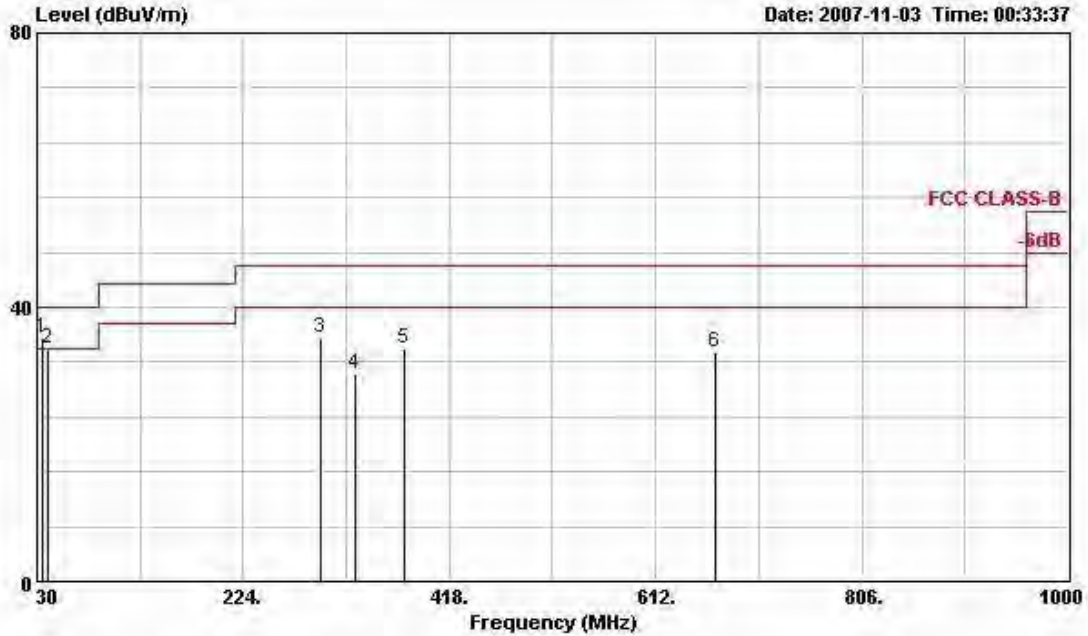
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2324.000	47.00	-27.00	74.00	49.18	27.92	3.66	33.77	100	0	Peak
2	2324.000	35.49	-18.51	54.00	37.67	27.92	3.66	33.77	100	95	Average
3 @	2437.000	89.62			91.43	28.19	3.79	33.79	100	95	Average
4 X	2437.000	95.24			97.05	28.19	3.79	33.79	100	0	Peak
5	2500.000	46.18	-27.82	74.00	47.84	28.30	3.84	33.80	100	0	Peak
6	2500.000	32.79	-21.21	54.00	34.45	28.30	3.84	33.80	100	95	Average
7	2836.000	53.71	-20.29	74.00	54.03	29.57	4.19	34.07	100	0	Peak
8	2836.000	47.19	-6.81	54.00	47.51	29.57	4.19	34.07	100	97	Average
9	8961.000	55.96	-18.04	74.00	45.42	38.04	7.26	34.76	100	0	Peak
10	8961.000	44.01	-9.99	54.00	33.47	38.04	7.26	34.76	100	167	Average

Remark: #3 and #4 Fundamental Signal



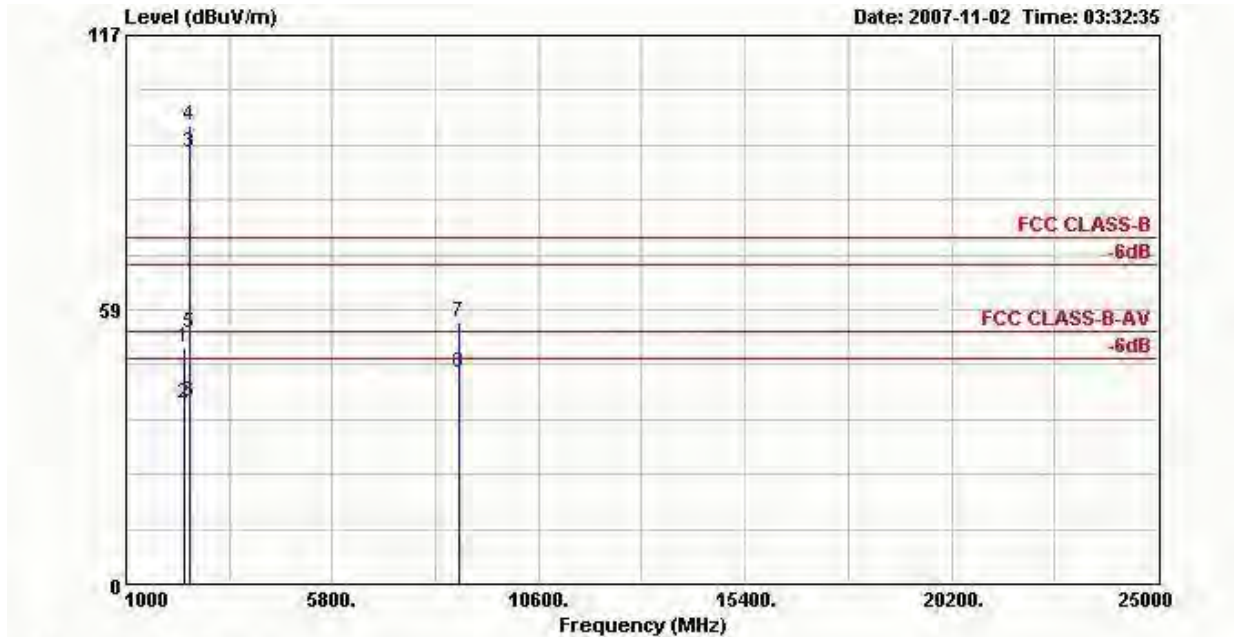
- Test Mode : Mode 3
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH11;2462MHz
 Data Rate: 2

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	34.590	35.57	-4.43	40.00	45.03	16.29	0.91	26.66	100	167	Peak
2	39.450	33.95	-6.05	40.00	47.81	11.82	0.96	26.64	---	---	Peak
3	296.220	35.42	-10.58	46.00	46.60	12.33	2.23	25.74	---	---	Peak
4	330.100	30.37	-15.63	46.00	40.62	13.35	2.34	25.93	---	---	Peak
5	374.900	34.01	-11.99	46.00	42.84	14.92	2.49	26.24	---	---	Peak
6	668.200	33.34	-12.66	46.00	36.85	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH11;2462MHz
 Data Rate: 2

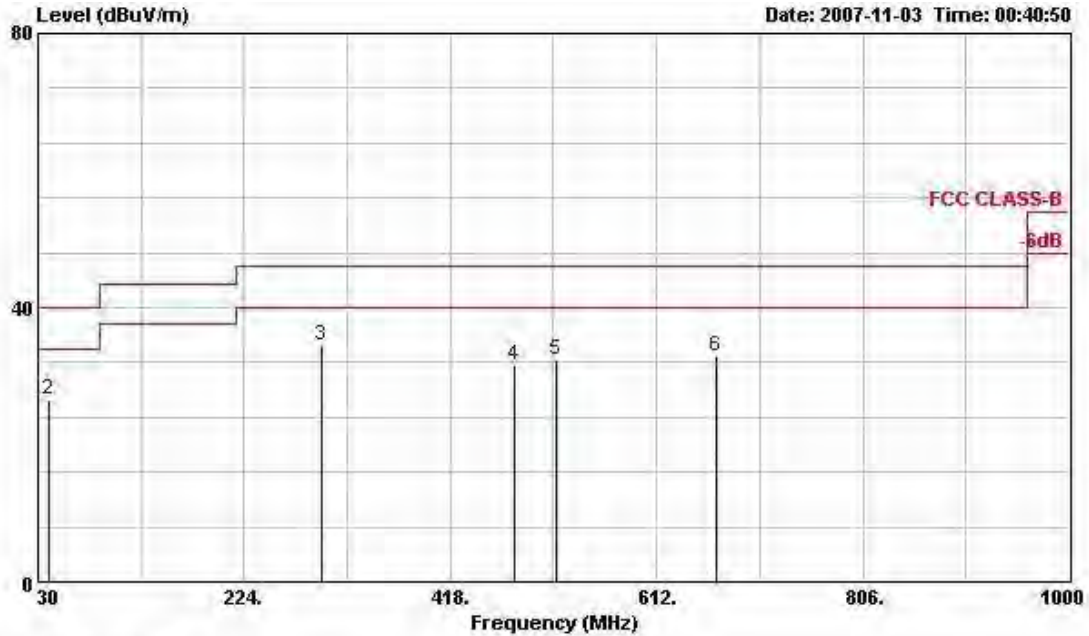
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2340.000	50.26	-23.74	74.00	52.38	27.96	3.69	33.77	100	0	Peak
2	2340.000	38.43	-15.57	54.00	40.55	27.96	3.69	33.77	100	32	Average
3 @	2462.000	92.15			93.90	28.22	3.81	33.79	100	32	Average
4 X	2462.000	97.70			99.45	28.22	3.81	33.79	100	0	Peak
5	2483.500	53.38	-20.62	74.00	55.08	28.26	3.84	33.80	100	0	Peak
6	2483.500	38.90	-15.10	54.00	40.60	28.26	3.84	33.80	100	32	Average
7	8742.000	55.73	-18.27	74.00	45.40	37.78	7.15	34.60	100	0	Peak
8	8742.000	45.05	-8.95	54.00	34.72	37.78	7.15	34.60	100	199	Average

Remark: #3 and #4 Fundamental Signal



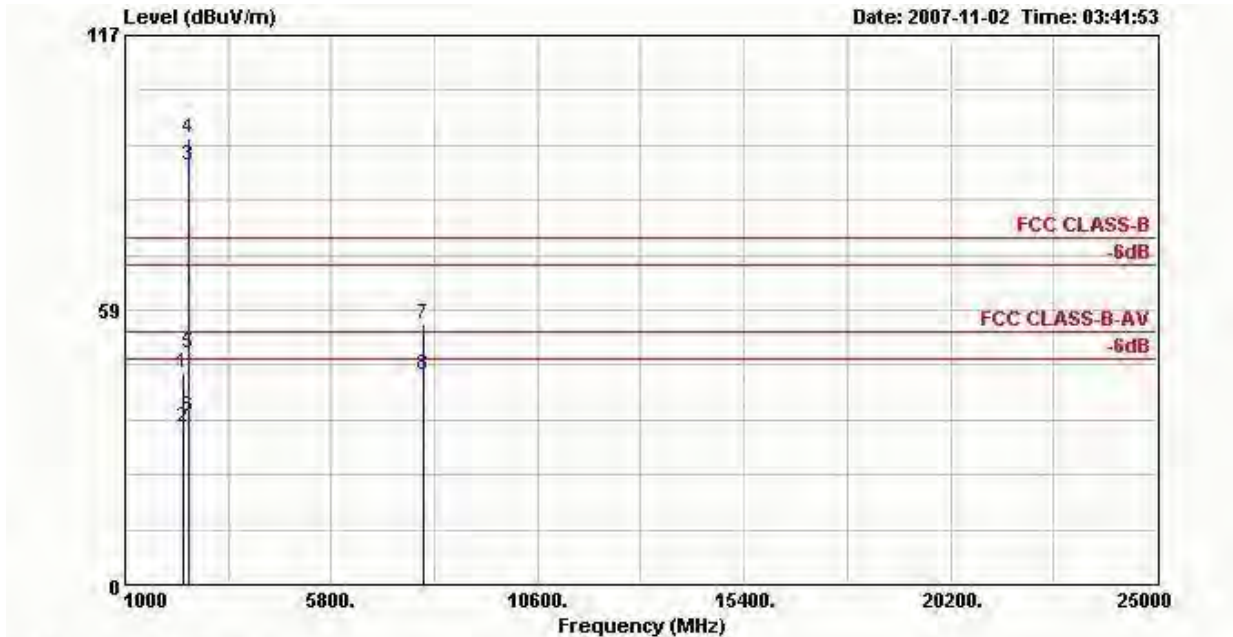
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH11;2462MHz
 Data Rate: 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.540	27.44	-12.56	40.00	36.88	16.36	0.87	26.67	---	---	Peak
2	40.260	26.58	-13.42	40.00	40.78	11.46	0.97	26.64	---	---	Peak
3	297.300	34.48	-11.52	46.00	45.66	12.32	2.23	25.74	100	198	Peak
4	478.500	31.71	-14.29	46.00	39.22	16.65	2.77	26.94	---	---	Peak
5	517.700	32.35	-13.65	46.00	39.11	17.43	2.88	27.07	---	---	Peak
6	668.200	32.93	-13.07	46.00	36.44	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11b Tx_CH11;2462MHz
 Data Rate: 2

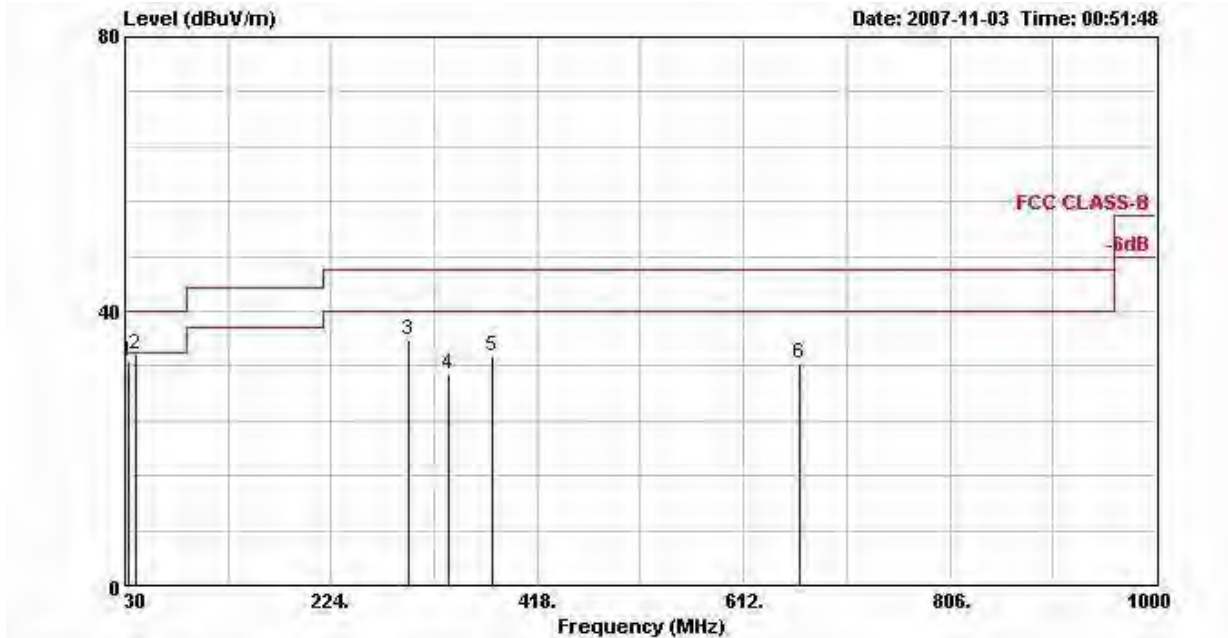
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2340.000	45.08	-28.92	74.00	47.20	27.96	3.69	33.77	100	0	Peak
2	2340.000	33.31	-20.69	54.00	35.43	27.96	3.69	33.77	100	106	Average
3 @	2462.000	89.40			91.15	28.22	3.81	33.79	100	106	Average
4 X	2462.000	94.90			96.65	28.22	3.81	33.79	100	0	Peak
5	2483.500	49.44	-24.56	74.00	51.14	28.26	3.84	33.80	100	0	Peak
6	2483.500	35.75	-18.25	54.00	37.45	28.26	3.84	33.80	100	106	Average
7	7953.000	55.24	-18.76	74.00	45.36	36.76	6.74	33.62	100	0	Peak
8	7953.000	44.71	-9.29	54.00	34.83	36.76	6.74	33.62	100	185	Average

Remark: #3 and #4 Fundamental Signal



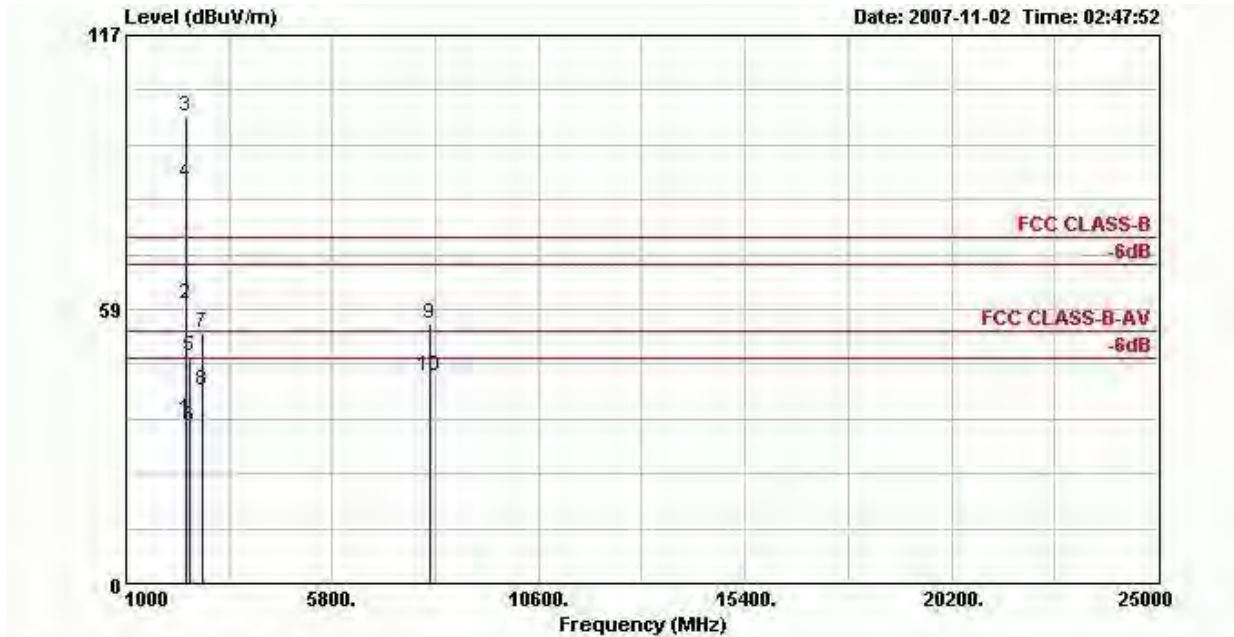
- Test Mode : Mode 4
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH01;2412MHz
 Data Rate: 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	34.050	32.76	-7.24	40.00	42.20	16.31	0.91	26.66	---	---	Peak
2	39.450	33.73	-6.27	40.00	47.59	11.82	0.96	26.64	100	154	Peak
3	296.220	35.83	-10.17	46.00	47.01	12.33	2.23	25.74	---	---	Peak
4	335.000	30.75	-15.25	46.00	40.85	13.51	2.35	25.97	---	---	Peak
5	374.900	33.41	-12.59	46.00	42.24	14.92	2.49	26.24	---	---	Peak
6	665.400	32.40	-13.60	46.00	35.92	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH01;2412MHz
 Data Rate:6

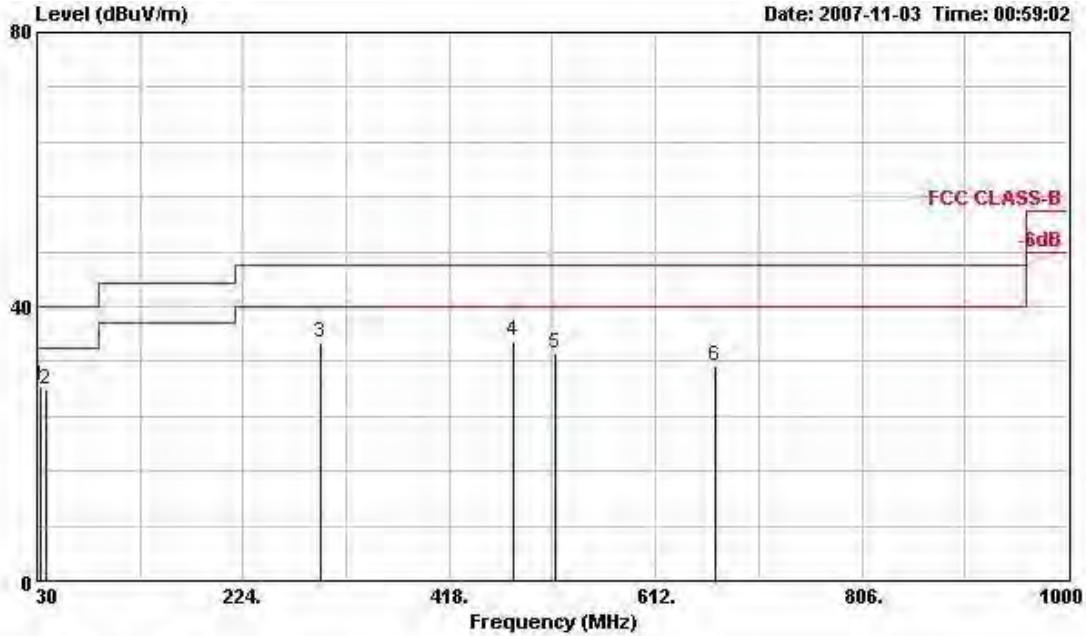
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	35.01	-18.99	54.00	36.98	28.07	3.74	33.78	100	36	Average
2	2390.000	59.77	-14.23	74.00	61.74	28.07	3.74	33.78	100	0	Peak
3 X	2412.000	99.60			101.51	28.11	3.76	33.78	100	0	Peak
4 @	2412.000	85.27			87.18	28.11	3.76	33.78	100	36	Average
5	2484.000	48.43	-25.57	74.00	50.13	28.26	3.84	33.80	100	0	Peak
6	2484.000	33.37	-20.63	54.00	35.07	28.26	3.84	33.80	100	36	Average
7	2782.000	53.57	-20.43	74.00	54.09	29.38	4.14	34.03	100	0	Peak
8	2782.000	41.30	-12.70	54.00	41.82	29.38	4.14	34.03	125	190	Average
9	8049.000	55.56	-18.44	74.00	45.54	36.87	6.78	33.64	100	0	Peak
10	8049.000	44.35	-9.65	54.00	34.33	36.87	6.78	33.64	100	137	Average

Remark: #3 and #4 Fundamental Signal



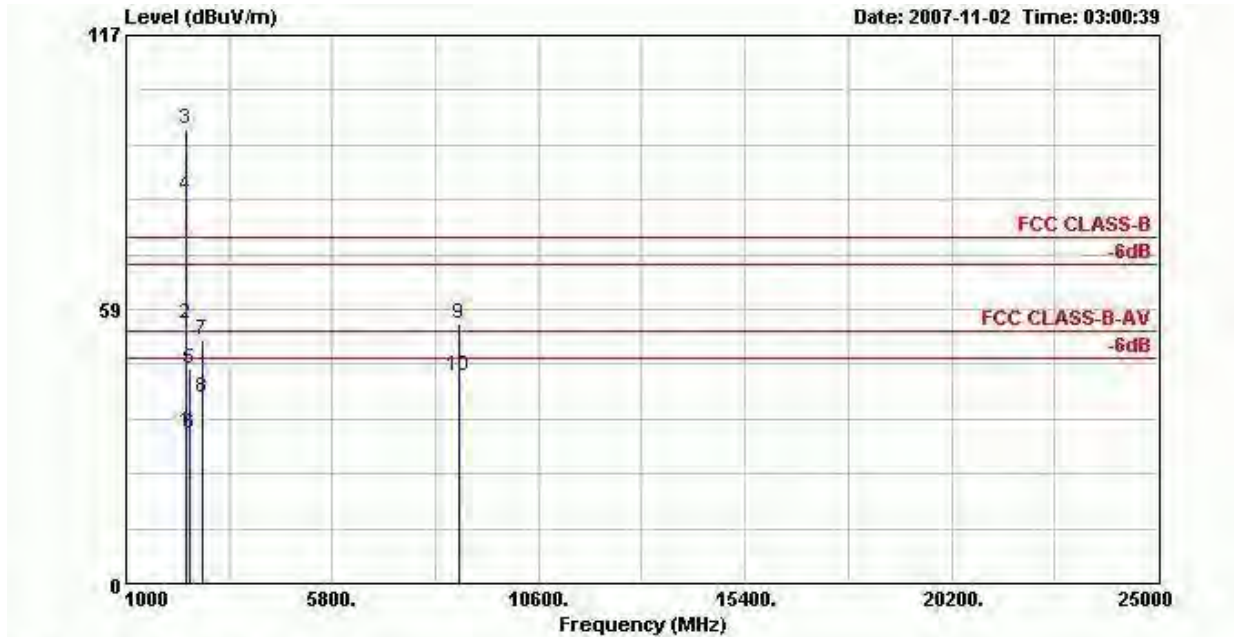
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH01;2412MHz
 Data Rate: 6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	33.780	28.50	-11.50	40.00	37.94	16.31	0.91	26.66	---	---	Peak
2	39.180	27.78	-12.22	40.00	40.75	12.71	0.96	26.64	---	---	Peak
3	296.490	34.73	-11.27	46.00	45.92	12.33	2.23	25.74	---	---	Peak
4	478.500	34.99	-11.01	46.00	42.50	16.65	2.77	26.94	100	277	Peak
5	517.700	33.25	-12.75	46.00	40.01	17.43	2.88	27.07	---	---	Peak
6	668.200	31.40	-14.60	46.00	34.91	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH01;2412MHz
 Data Rate:6

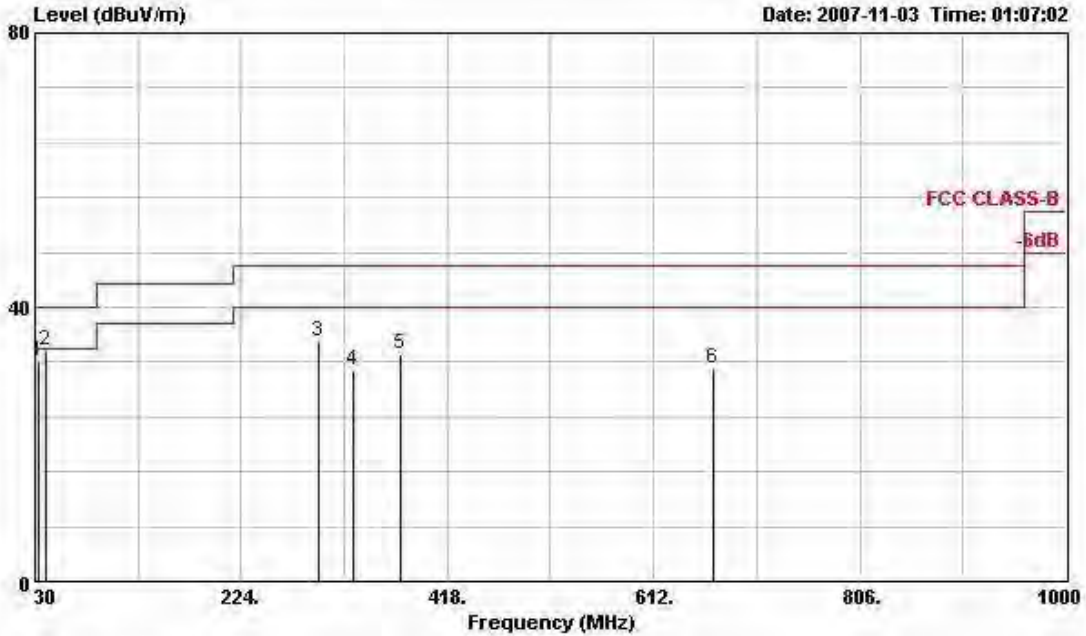
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	32.51	-21.49	54.00	34.48	28.07	3.74	33.78	100	96	Average
2	2390.000	55.52	-18.48	74.00	57.49	28.07	3.74	33.78	100	0	Peak
3 X	2412.000	97.12			99.03	28.11	3.76	33.78	100	0	Peak
4 @	2412.000	82.66			84.57	28.11	3.76	33.78	100	96	Average
5	2492.000	45.94	-28.06	74.00	47.60	28.30	3.84	33.80	100	0	Peak
6	2492.000	31.94	-22.06	54.00	33.60	28.30	3.84	33.80	100	96	Average
7	2782.000	51.99	-22.01	74.00	52.51	29.38	4.14	34.03	100	0	Peak
8	2782.000	39.65	-14.35	54.00	40.17	29.38	4.14	34.03	124	193	Average
9	8757.000	55.35	-18.65	74.00	45.00	37.80	7.15	34.60	100	0	Peak
10	8757.000	44.17	-9.83	54.00	33.82	37.80	7.15	34.60	100	112	Average

Remark: #3 and #4 Fundamental Signal



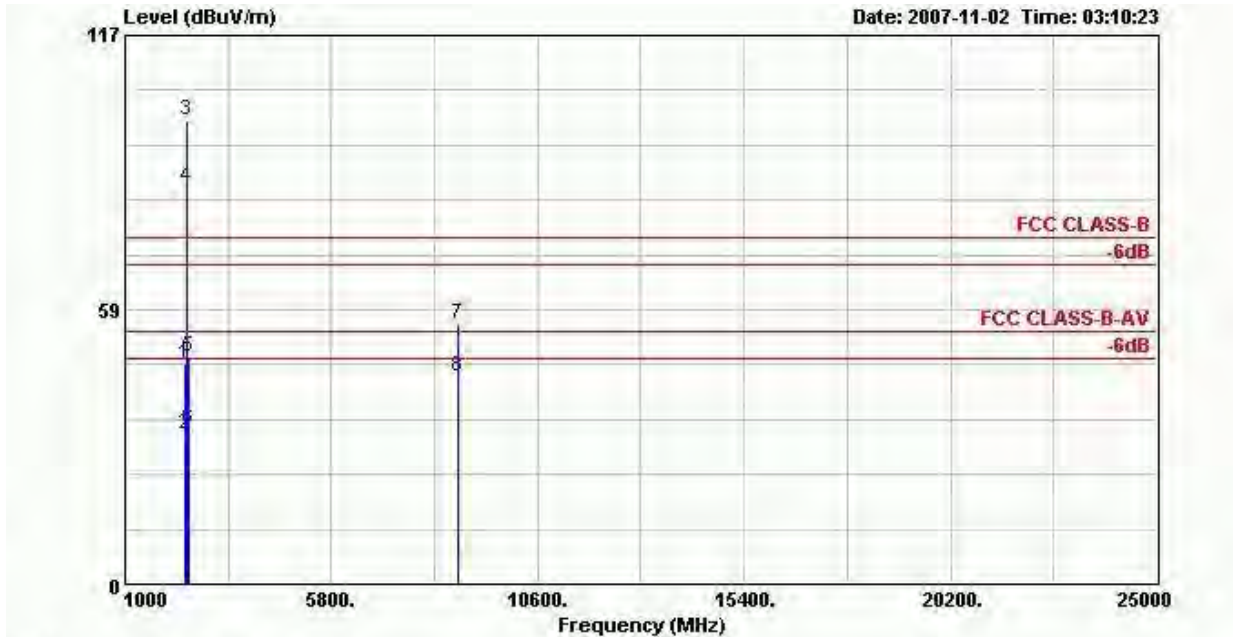
- Test Mode : Mode 5
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH06;2437MHz
 Data Rate: 6

	Freq	Level	Over Limit	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Pos	Pos	Remark	
						dE	dB	cm	deg		
1	33.780	32.18	-7.82	40.00	41.62	16.31	0.91	26.66	---	---	Peak
2	39.450	33.78	-6.22	40.00	47.64	11.82	0.96	26.64	100	166	Peak
3	296.220	34.90	-11.10	46.00	46.08	12.33	2.23	25.74	---	---	Peak
4	330.100	30.66	-15.34	46.00	40.91	13.35	2.34	25.93	---	---	Peak
5	374.200	33.22	-12.78	46.00	42.09	14.88	2.49	26.24	---	---	Peak
6	668.200	30.97	-15.03	46.00	34.48	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH06;2437MHz
 Data Rate: 6

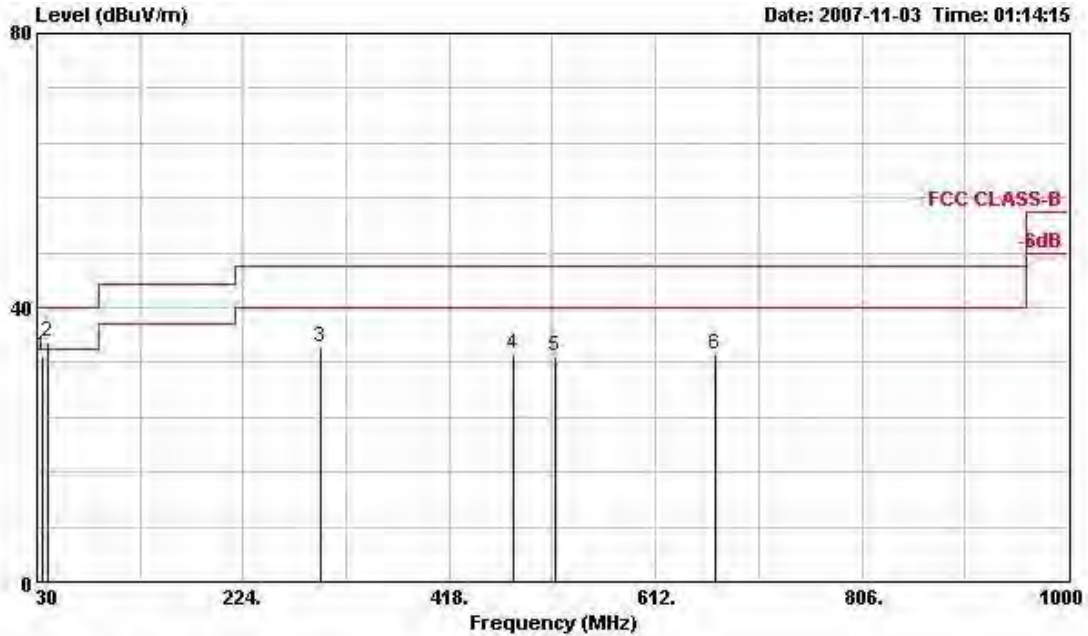
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	47.13	-26.87	74.00	49.10	28.07	3.74	33.78	100	0	Peak
2	2390.000	31.92	-22.08	54.00	33.89	28.07	3.74	33.78	100	40	Average
3 X	2437.000	99.04			100.85	28.19	3.79	33.79	100	0	Peak
4 @	2437.000	84.52			86.33	28.19	3.79	33.79	100	40	Average
5	2484.000	48.62	-25.38	74.00	50.32	28.26	3.84	33.80	100	0	Peak
6	2484.000	33.13	-20.87	54.00	34.83	28.26	3.84	33.80	100	40	Average
7	8754.000	55.59	-18.41	74.00	45.24	37.80	7.15	34.60	100	0	Peak
8	8754.000	44.09	-9.91	54.00	33.74	37.80	7.15	34.60	100	197	Average

Remark: #3 and #4 Fundamental Signal



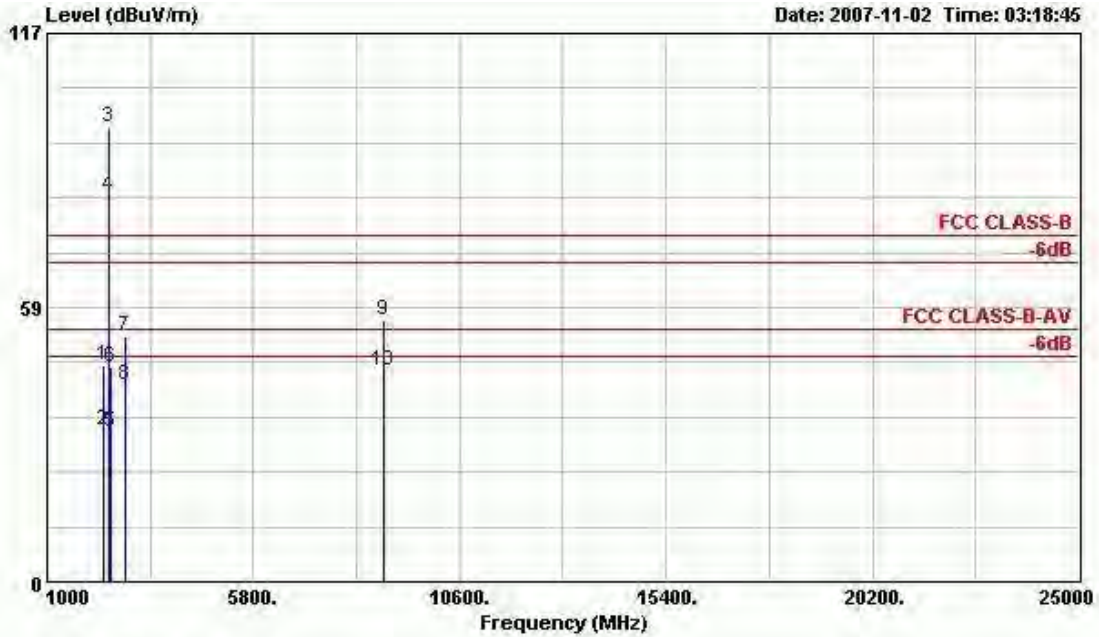
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH06;2437MHz
 Data Rate: 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.130	32.98	-7.02	40.00	42.43	16.29	0.91	26.65	---	---	Peak
2	39.450	35.01	-4.99	40.00	48.87	11.82	0.96	26.64	100	187	Peak
3	297.570	34.28	-11.72	46.00	45.46	12.32	2.23	25.74	---	---	Peak
4	478.500	33.12	-12.88	46.00	40.63	16.65	2.77	26.94	---	---	Peak
5	517.700	32.99	-13.01	46.00	39.75	17.43	2.88	27.07	---	---	Peak
6	668.200	33.21	-12.79	46.00	36.72	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH06;2437MHz
 Data Rate: 6

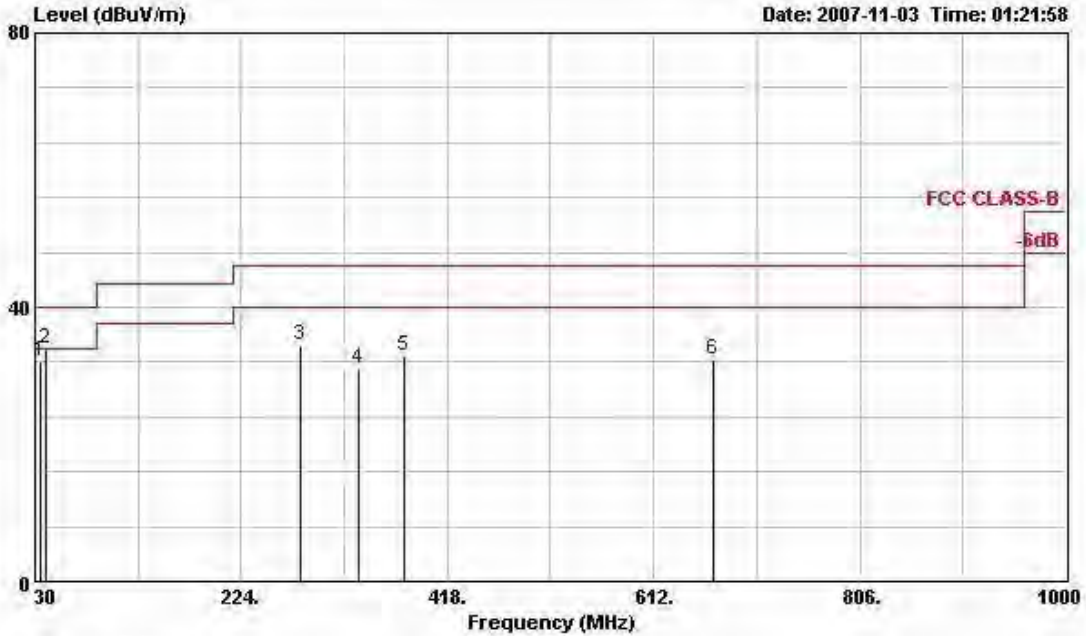
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2326.000	46.14	-27.86	74.00	48.32	27.92	3.66	33.77	100	0	Peak
2	2326.000	32.20	-21.80	54.00	34.38	27.92	3.66	33.77	100	99	Average
3 X	2437.000	96.83			98.64	28.19	3.79	33.79	100	0	Peak
4 @	2437.000	82.42			84.23	28.19	3.79	33.79	100	99	Average
5	2486.000	31.93	-22.07	54.00	33.63	28.26	3.84	33.80	100	99	Average
6	2486.000	45.91	-28.09	74.00	47.61	28.26	3.84	33.80	100	0	Peak
7	2836.000	52.16	-21.84	74.00	52.48	29.57	4.19	34.07	100	0	Peak
8	2836.000	42.03	-11.97	54.00	42.35	29.57	4.19	34.07	100	96	Average
9	8841.000	55.68	-18.32	74.00	45.24	37.90	7.20	34.66	100	0	Peak
10	8841.000	45.14	-8.86	54.00	34.70	37.90	7.20	34.66	100	171	Average

Remark: #3 and #4 Fundamental Signal



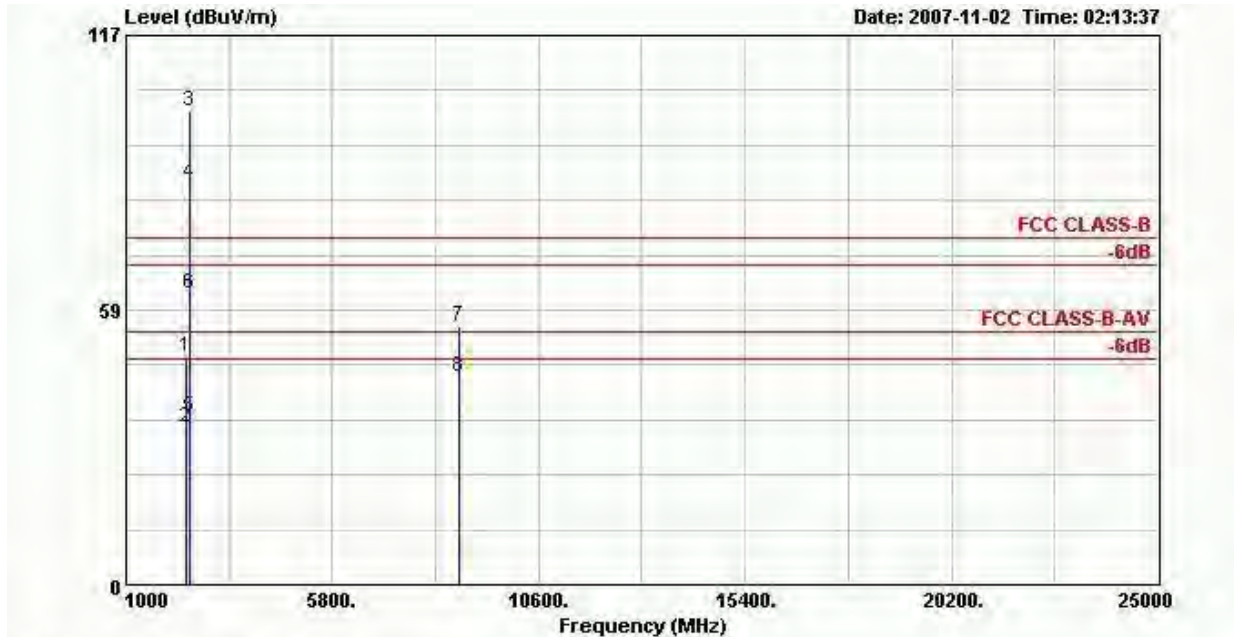
- Test Mode : Mode 6
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH11;2462MHz
 Data Rate: 6

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	34.590	32.03	-7.97	40.00	41.49	16.29	0.91	26.66	---	---	Peak
2	39.450	34.05	-5.95	40.00	47.91	11.82	0.96	26.64	100	175	Peak
3	280.020	34.54	-11.46	46.00	45.76	12.41	2.17	25.80	---	---	Peak
4	335.000	31.12	-14.88	46.00	41.22	13.51	2.35	25.97	---	---	Peak
5	377.000	32.77	-13.23	46.00	41.54	14.98	2.49	26.25	---	---	Peak
6	668.200	32.39	-13.61	46.00	35.90	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH11;2462MHz
 Data Rate: 6

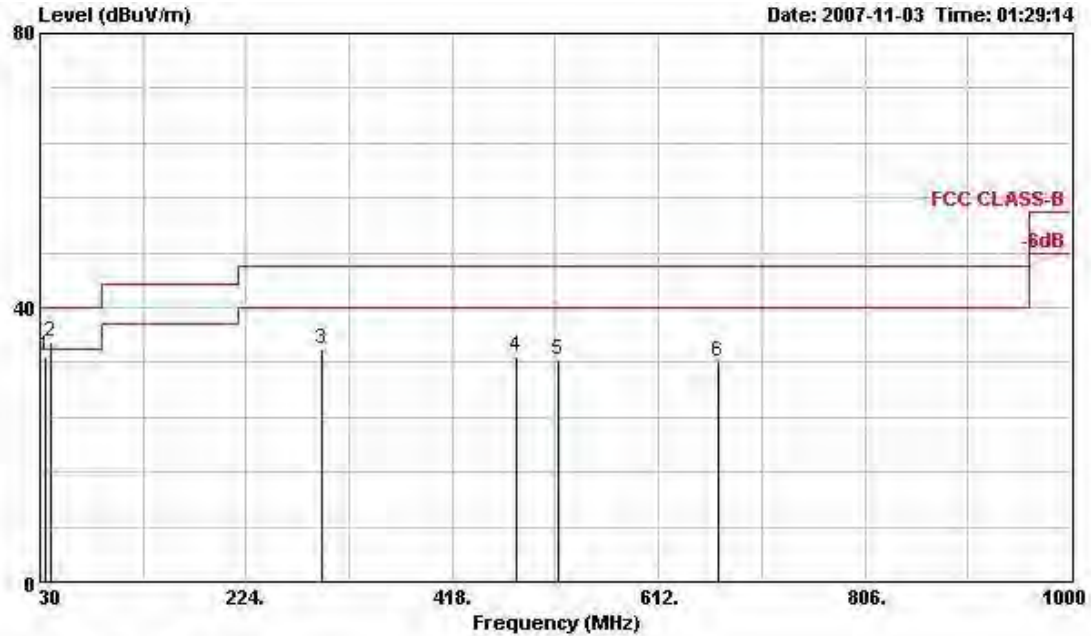
	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2382.000	48.46	-25.54	74.00	50.46	28.03	3.74	33.78	---	---	Peak
2	2382.000	33.63	-20.37	54.00	35.63	28.03	3.74	33.78	142	35	Average
3 X	2462.000	100.78			102.54	28.22	3.81	33.80	100	0	Peak
4 @	2462.000	85.42			87.17	28.22	3.81	33.79	142	35	Average
5	2483.500	35.81	-18.19	54.00	37.51	28.26	3.84	33.80	142	35	Average
6	2483.500	62.13	-11.87	74.00	63.83	28.26	3.84	33.80	100	0	Peak
7	8745.000	55.11	-18.89	74.00	44.76	37.80	7.15	34.60	100	0	Peak
8	8745.000	44.41	-9.59	54.00	34.06	37.80	7.15	34.60	100	119	Average

Remark: #3 and #4 Fundamental Signal



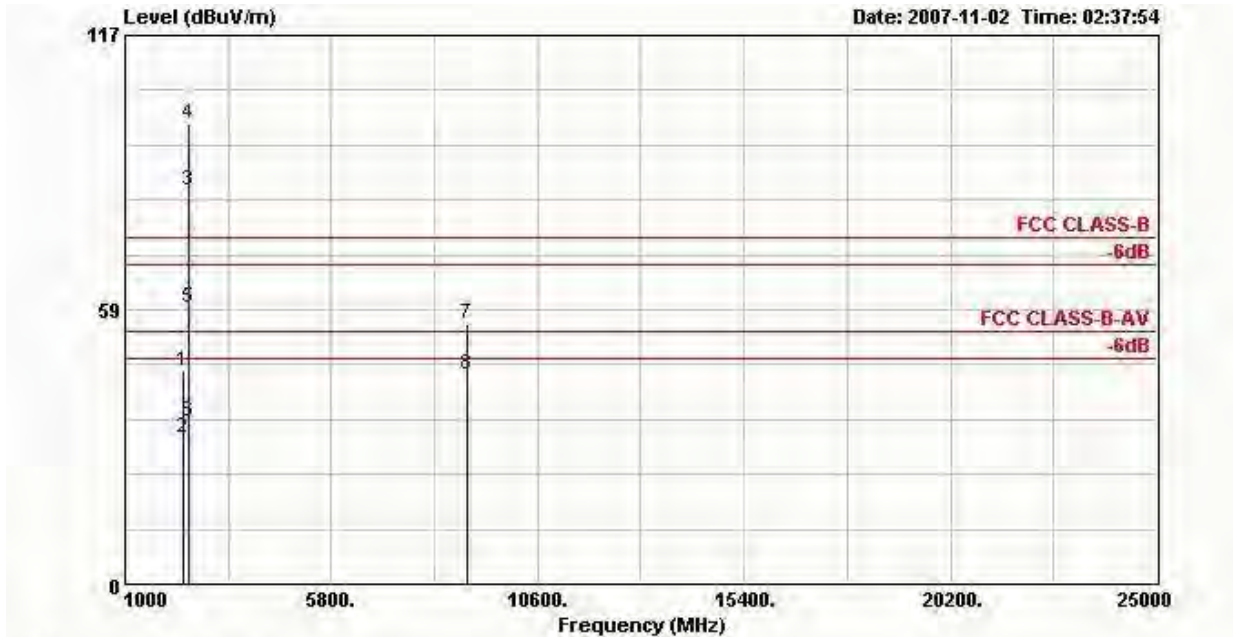
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH11;2462MHz
 Data Rate: 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.130	32.88	-7.12	40.00	42.33	16.29	0.91	26.65	---	---	Peak
2	39.450	34.92	-5.08	40.00	48.78	11.82	0.96	26.64	100	191	Peak
3	295.410	34.01	-11.99	46.00	45.20	12.33	2.22	25.75	---	---	Peak
4	478.500	32.79	-13.21	46.00	40.30	16.65	2.77	26.94	---	---	Peak
5	517.700	32.28	-13.72	46.00	39.04	17.43	2.88	27.07	---	---	Peak
6	668.200	32.14	-13.86	46.00	35.65	20.06	3.45	27.02	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11g Tx_CH11;2462MHz
 Data Rate: 6

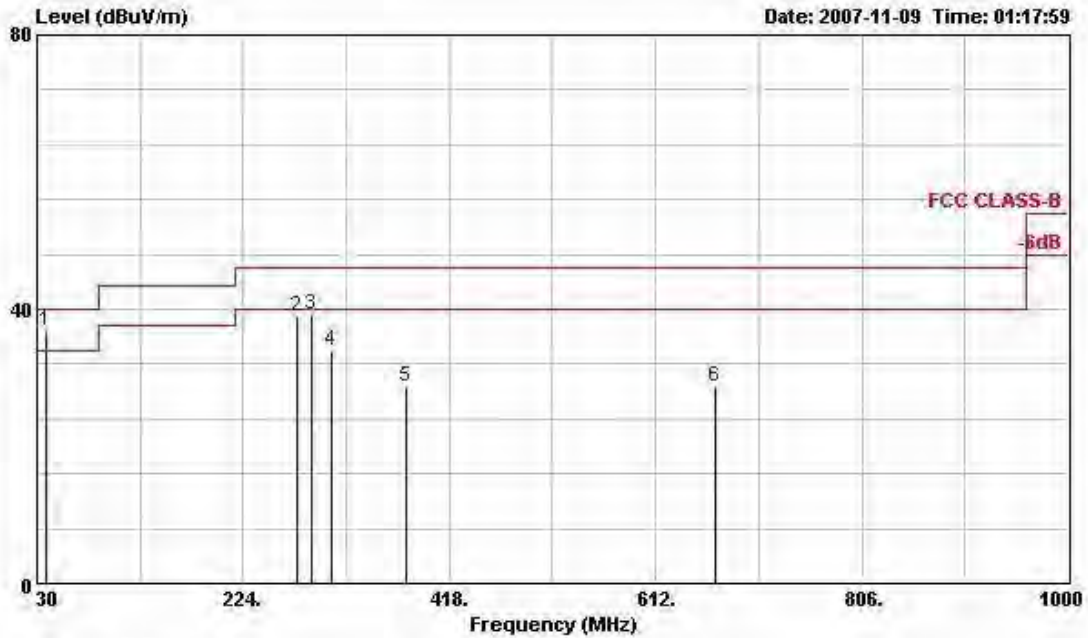
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2334.000	45.53	-28.47	74.00	47.69	27.92	3.69	33.77	100	0	Peak
2	2334.000	31.36	-22.64	54.00	33.52	27.92	3.69	33.77	100	107	Average
3 @	2462.000	83.76			85.51	28.22	3.81	33.79	100	107	Average
4 X	2462.000	98.26			100.02	28.22	3.81	33.80	100	0	Peak
5	2483.500	58.88	-15.12	74.00	60.58	28.26	3.84	33.80	100	0	Peak
6	2483.500	34.55	-19.45	54.00	36.25	28.26	3.84	33.80	100	107	Average
7	8946.000	55.42	-18.58	74.00	44.91	38.02	7.25	34.76	100	0	Peak
8	8946.000	44.57	-9.43	54.00	34.06	38.02	7.25	34.76	100	164	Average

Remark: #3 and #4 Fundamental Signal



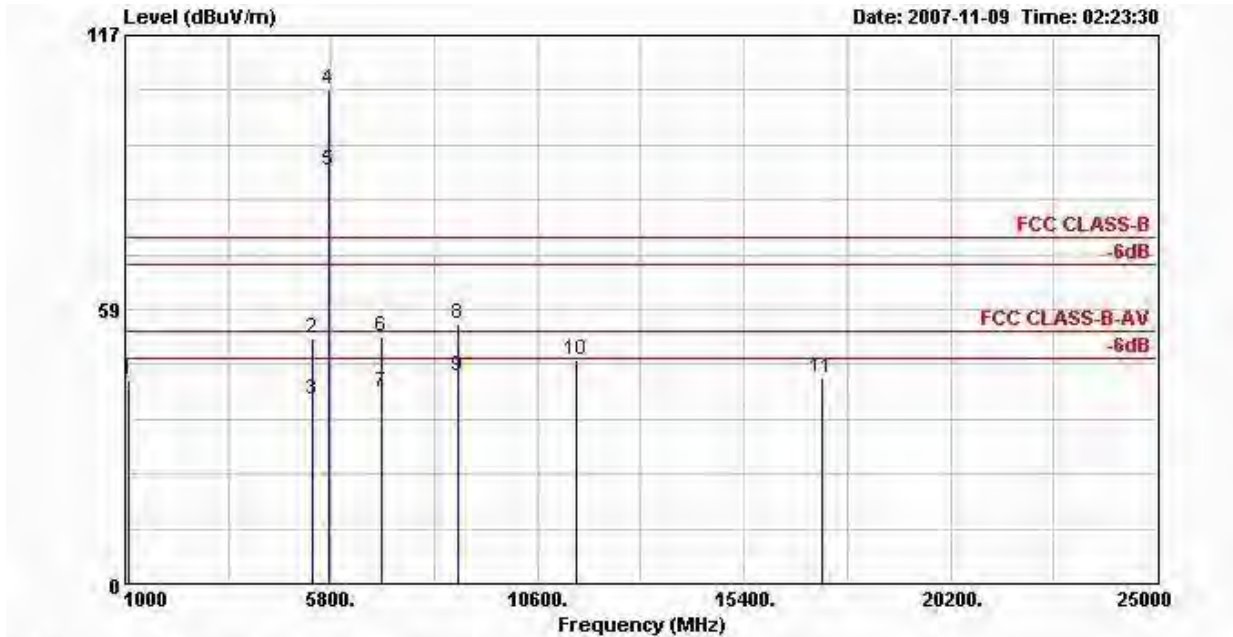
- Test Mode : Mode 7
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11a Tx_Ch149;5745MHZ
 Data Rate: 9

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	38.370	36.78	-3.22	40.00	51.39	12.71	0.95	28.27	100	174	Peak
2	274.890	38.88	-7.12	46.00	51.94	12.44	2.15	27.65	---	---	Peak
3	287.580	39.13	-6.87	46.00	52.19	12.37	2.19	27.63	---	---	Peak
4	307.700	34.02	-11.98	46.00	46.83	12.58	2.27	27.66	---	---	Peak
5	377.000	28.57	-17.43	46.00	39.23	14.98	2.49	28.14	---	---	Peak
6	668.200	28.71	-17.29	46.00	34.30	20.06	3.45	29.10	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11a Tx_Ch149;5745MHz
 Data Rate: 9

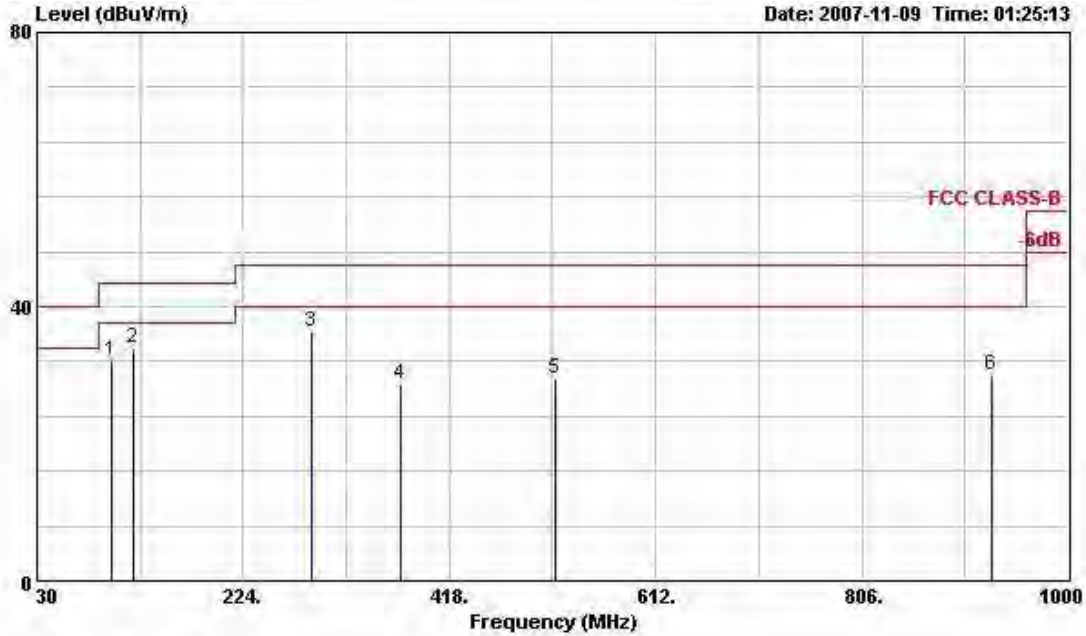
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1100.000	43.41	-30.59	74.00	51.07	24.27	2.34	34.26	100	0	Peak
2	5348.000	52.43	-21.57	74.00	46.96	33.62	6.00	34.15	100	0	Peak
3	5348.000	39.31	-14.69	54.00	33.84	33.62	6.00	34.15	100	340	Average
4 X	5745.000	105.28			99.36	33.94	6.02	34.05	100	0	Peak
5 @	5745.000	88.12			82.20	33.94	6.02	34.05	100	340	Average
6	6974.000	52.73	-21.27	74.00	43.77	35.13	6.35	32.52	100	0	Peak
7	6974.000	40.64	-13.36	54.00	31.68	35.13	6.35	32.52	100	340	Average
8	8742.000	55.33	-18.67	74.00	45.00	37.78	7.15	34.60	100	0	Peak
9	8742.000	44.31	-9.69	54.00	33.98	37.78	7.15	34.60	100	175	Average
10	11492.000	47.64	-26.36	74.00	85.82	-11.73	7.84	34.30	100	0	Peak
11	17232.000	43.96	-30.04	74.00	79.40	-11.07	9.42	33.80	100	0	Peak

Remark: #4 and #5 Fundamental Signal



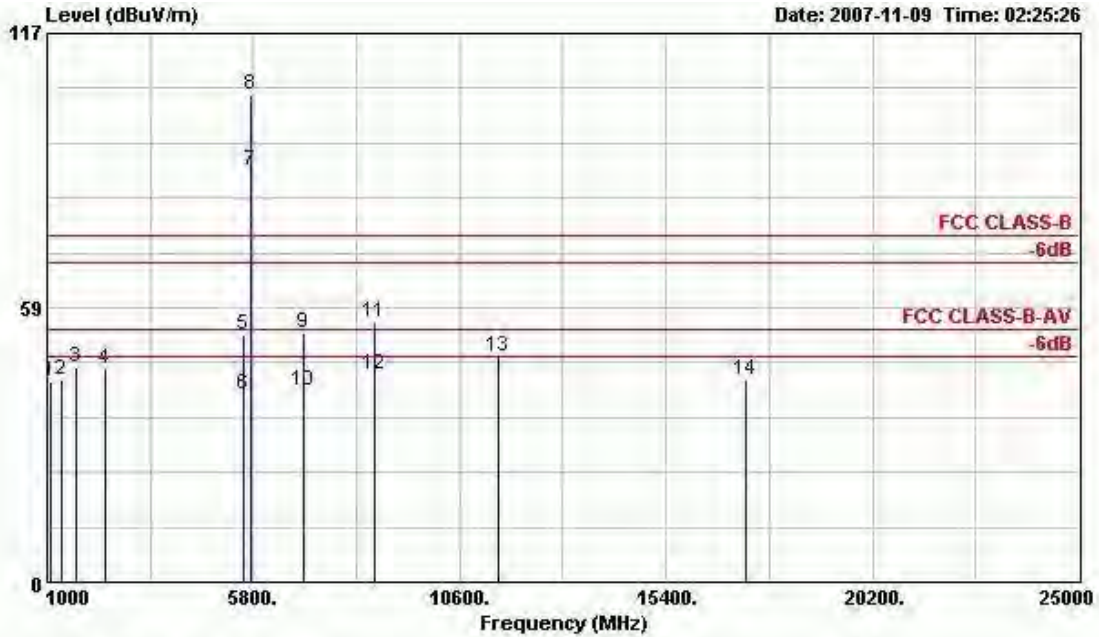
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11a Tx_Ch149;5745MHz
 Data Rate: 9

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
			dB	dBUV/m	dBUV	dB/m	dB	dB	cm	deg	
1	99.930	32.08	-11.42	43.50	50.95	7.95	1.38	28.20	---	---	Peak
2	120.180	33.86	-9.64	43.50	49.77	10.74	1.47	28.12	100	155	Peak
3	288.660	36.23	-9.77	46.00	49.29	12.37	2.20	27.62	---	---	Peak
4	372.100	28.62	-17.38	46.00	39.43	14.81	2.48	28.11	---	---	Peak
5	517.700	29.45	-16.55	46.00	38.16	17.43	2.88	29.02	---	---	Peak
6	928.600	29.99	-16.01	46.00	30.54	24.23	3.97	28.74	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11a Tx_Ch149;5745MHz
 Data Rate: 9

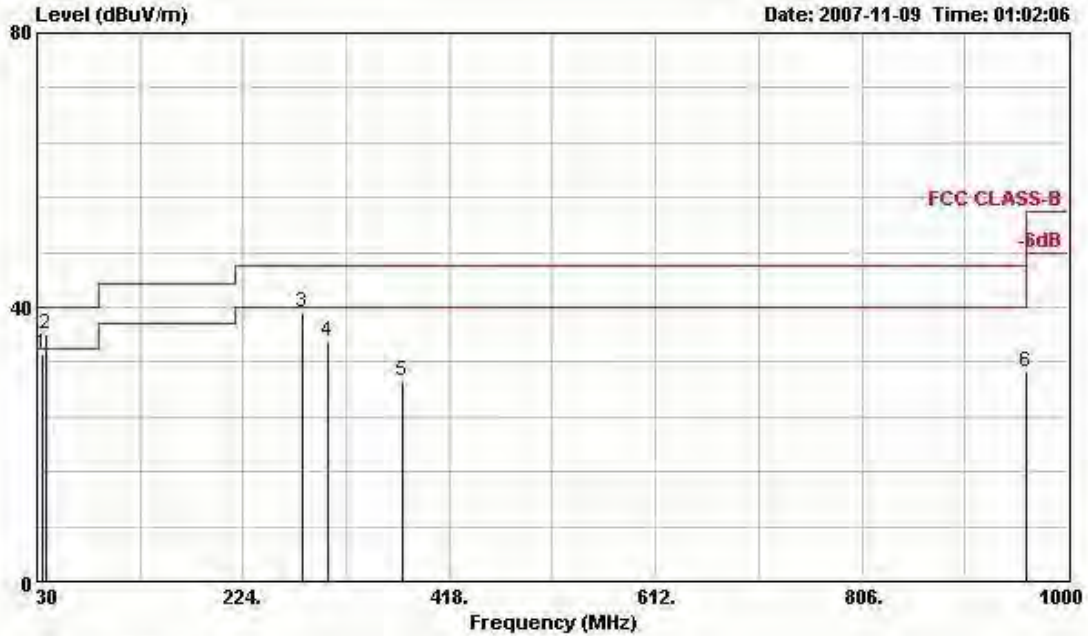
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1084.000	42.85	-31.15	74.00	50.59	24.22	2.34	34.30	100	0	Peak
2	1332.000	42.99	-31.01	74.00	49.44	24.90	2.60	33.95	100	0	Peak
3	1662.000	45.76	-28.24	74.00	50.56	25.93	2.97	33.70	100	0	Peak
4	2334.000	45.55	-28.45	74.00	47.71	27.92	3.69	33.77	100	0	Peak
5	5582.000	52.68	-21.32	74.00	46.89	33.85	6.01	34.08	100	0	Peak
6	5582.000	40.17	-13.83	54.00	34.38	33.85	6.01	34.08	120	177	Average
7 @	5745.000	87.80			81.88	33.94	6.02	34.05	120	177	Average
8 X	5745.000	103.85			97.93	33.94	6.02	34.05	100	0	Peak
9	6974.000	52.95	-21.05	74.00	43.99	35.13	6.35	32.52	100	0	Peak
10	6974.000	40.63	-13.37	54.00	31.67	35.13	6.35	32.52	120	177	Average
11	8622.000	55.54	-18.46	74.00	45.32	37.64	7.08	34.50	100	0	Peak
12	8622.000	44.36	-9.64	54.00	34.14	37.64	7.08	34.50	100	214	Average
13	11493.000	47.97	-26.03	74.00	86.15	-11.73	7.84	34.30	100	0	Peak
14	17238.000	42.93	-31.07	74.00	78.40	-11.11	9.44	33.80	100	0	Peak

Remark: #7 and #8 Fundamental Signal



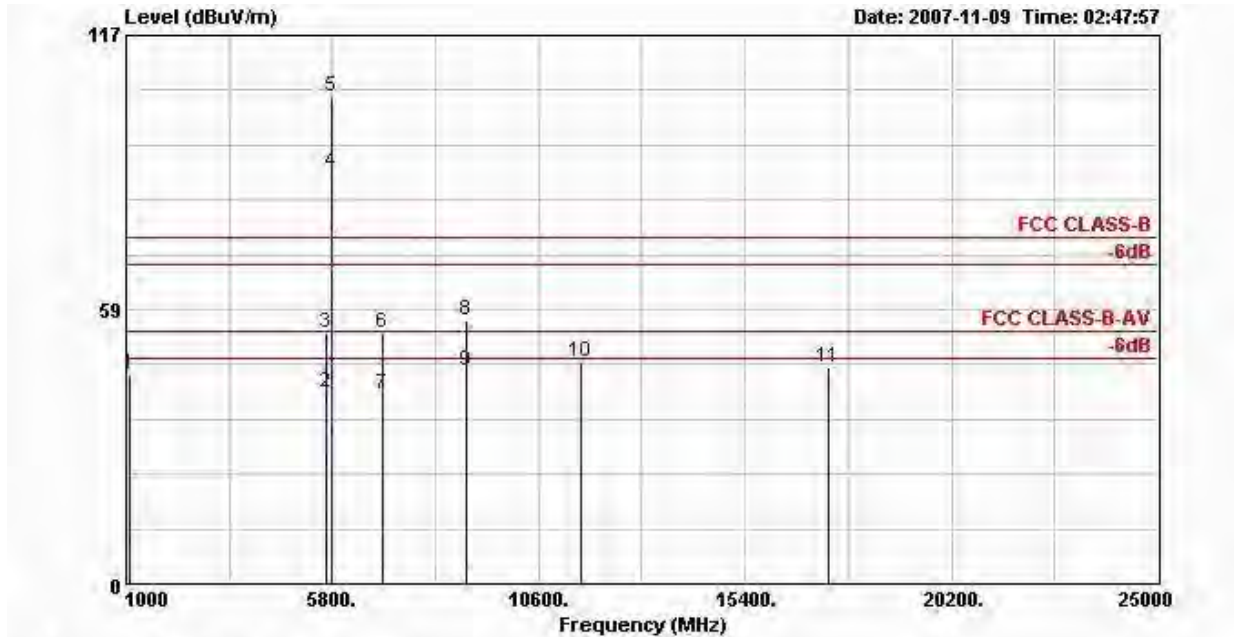
- Test Mode : Mode 8
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch157;5785MHz
 Data Rate: 9

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark	
			dB	dBuV/m	dBuV	dB/m	dE	dB	cm	deg	
1	35.130	33.22	-6.78	40.00	44.28	16.29	0.91	28.26	---	---	Peak
2	38.370	35.97	-4.03	40.00	50.58	12.71	0.95	28.27	100	146	Peak
3	279.210	39.29	-6.71	46.00	52.35	12.42	2.16	27.64	---	---	Peak
4	304.200	34.89	-11.11	46.00	47.79	12.48	2.25	27.63	---	---	Peak
5	374.200	29.28	-16.72	46.00	40.03	14.88	2.49	28.12	---	---	Peak
6	960.100	30.47	-23.53	54.00	30.13	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch157;5785MHz
 Data Rate: 9

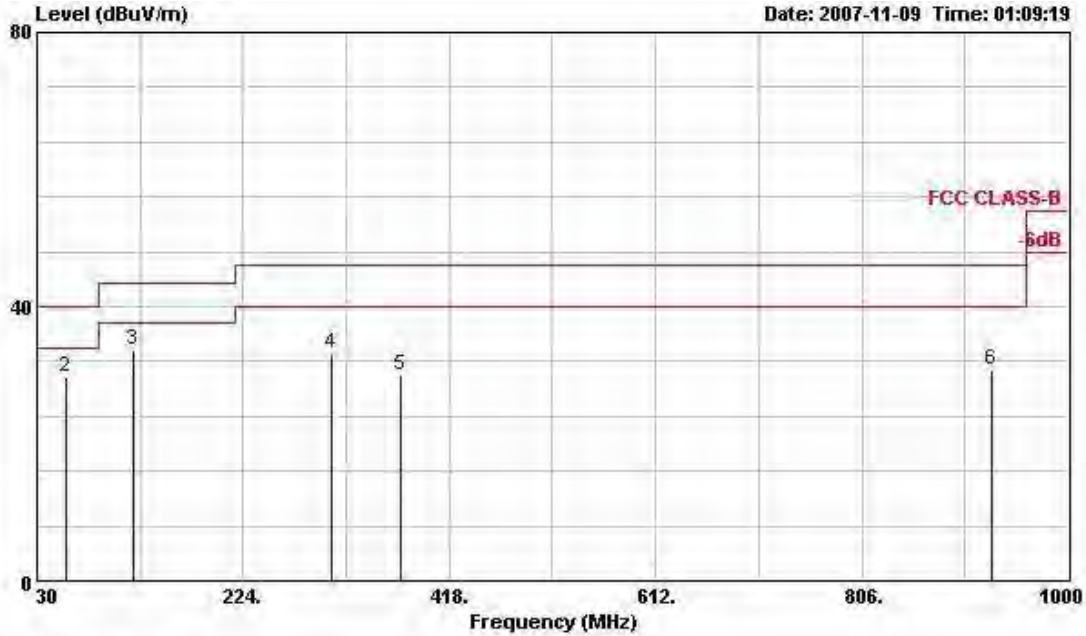
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	44.60	-29.40	74.00	52.26	24.27	2.34	34.26	100	0	Peak
2	5662.000	40.60	-13.40	54.00	34.76	33.89	6.02	34.07	117	340	Average
3	5662.000	53.48	-20.52	74.00	47.64	33.89	6.02	34.07	100	0	Peak
4 @	5785.000	87.74			81.79	33.97	6.02	34.04	117	340	Average
5 X	5785.000	103.97			98.02	33.97	6.02	34.04	100	0	Peak
6	6950.000	53.57	-20.43	74.00	44.67	35.10	6.34	32.54	100	0	Peak
7	6950.000	40.40	-13.60	54.00	31.50	35.10	6.34	32.54	117	340	Average
8	8934.000	56.20	-17.80	74.00	45.67	38.02	7.25	34.74	100	0	Peak
9	8934.000	45.47	-8.53	54.00	34.94	38.02	7.25	34.74	100	257	Average
10	11574.000	47.39	-26.61	74.00	85.36	-11.49	7.85	34.33	100	0	Peak
11	17358.000	46.30	-27.70	74.00	82.13	-11.61	9.54	33.76	100	0	Peak

Remark: #4 and #5 Fundamental Signal



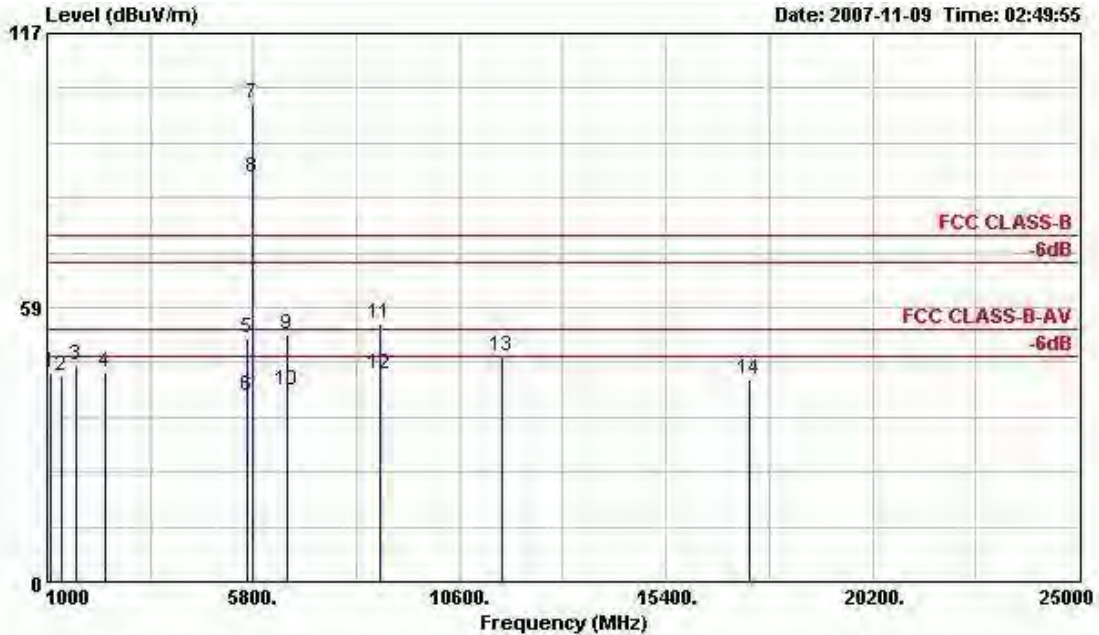
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch157;5785MHz
 Data Rate: 9

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.540	29.95	-10.05	40.00	40.97	16.36	0.87	28.25	---	---	Peak
2	57.540	29.79	-10.21	40.00	52.50	4.49	1.09	28.28	---	---	Peak
3	120.180	33.76	-9.74	43.50	49.67	10.74	1.47	28.12	100	168	Peak
4	307.700	33.27	-12.73	46.00	46.08	12.58	2.27	27.66	---	---	Peak
5	372.100	29.87	-16.13	46.00	40.68	14.81	2.48	28.11	---	---	Peak
6	928.600	30.77	-15.23	46.00	31.32	24.23	3.97	28.74	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch157;5785MHz
 Data Rate: 9

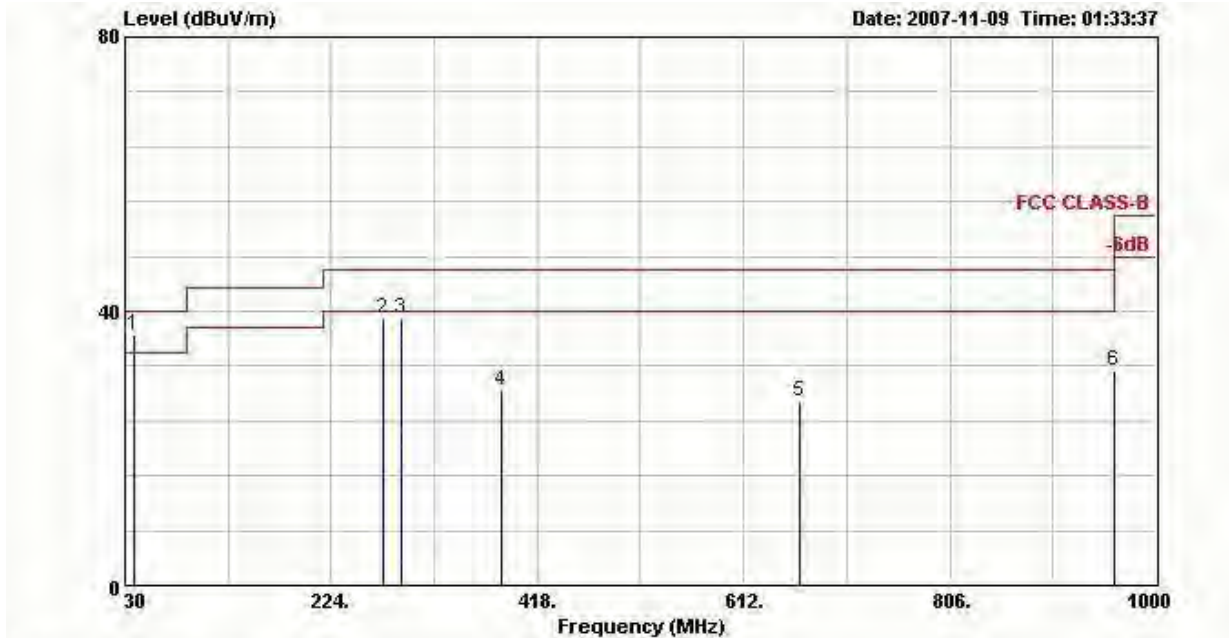
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1084.000	44.70	-29.30	74.00	52.44	24.22	2.34	34.30	100	0	Peak
2	1334.000	43.97	-30.03	74.00	50.42	24.90	2.60	33.95	100	0	Peak
3	1662.000	46.02	-27.98	74.00	50.82	25.93	2.97	33.70	100	0	Peak
4	2334.000	44.74	-29.26	74.00	46.90	27.92	3.69	33.77	100	0	Peak
5	5662.000	51.95	-22.05	74.00	46.11	33.89	6.02	34.07	100	0	Peak
6	5662.000	39.75	-14.25	54.00	33.91	33.89	6.02	34.07	146	9	Average
7 X	5785.000	102.10			96.15	33.97	6.02	34.04	100	0	Peak
8 @	5785.000	86.39			80.44	33.97	6.02	34.04	146	9	Average
9	6588.000	52.90	-21.10	74.00	45.14	34.37	6.23	32.84	100	0	Peak
10	6588.000	40.92	-13.08	54.00	33.16	34.37	6.23	32.84	146	9	Average
11	8742.000	54.99	-19.01	74.00	44.66	37.78	7.15	34.60	100	0	Peak
12	8742.000	44.21	-9.79	54.00	33.88	37.78	7.15	34.60	100	138	Average
13	11568.000	47.96	-26.04	74.00	85.92	-11.49	7.85	34.32	100	0	Peak
14	17358.000	42.92	-31.08	74.00	78.75	-11.61	9.54	33.76	100	0	Peak

Remark: #7 and #8 Fundamental Signal



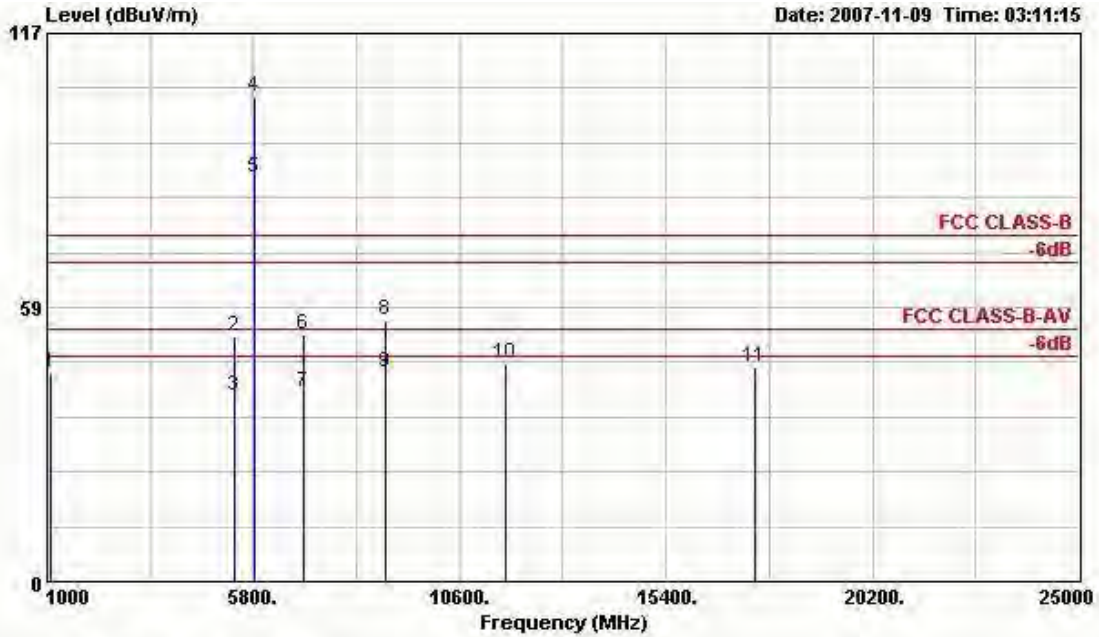
- Test Mode : Mode 9
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch165;5825MHz
 Data Rate: 9

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	38.370	36.67	-3.33	40.00	51.28	12.71	0.95	28.27	100	187	Peak
2	273.540	38.99	-7.01	46.00	52.06	12.45	2.14	27.65	---	---	Peak
3	290.010	39.01	-6.99	46.00	52.06	12.36	2.21	27.62	---	---	Peak
4	383.300	28.30	-17.70	46.00	38.78	15.18	2.52	28.18	---	---	Peak
5	665.400	26.74	-19.26	46.00	32.34	20.06	3.45	29.10	---	---	Peak
6	960.100	31.31	-22.69	54.00	30.97	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch165;5825MHz
 Data Rate: 9

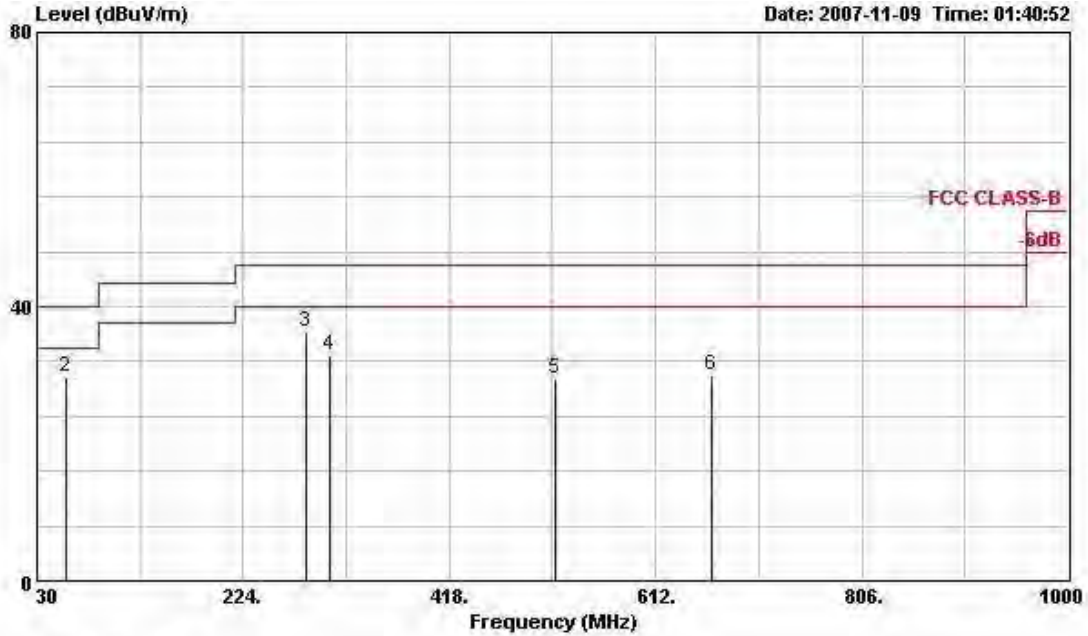
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1100.000	44.66	-29.34	74.00	52.32	24.27	2.34	34.26	100	0	Peak
2	5342.000	52.20	-21.80	74.00	46.76	33.60	6.00	34.16	100	0	Peak
3	5342.000	39.52	-14.48	54.00	34.08	33.60	6.00	34.16	100	9	Average
4 X	5825.000	103.65			97.67	34.00	6.02	34.04	100	0	Peak
5 @	5825.000	86.34			80.36	34.00	6.02	34.04	100	9	Average
6	6958.000	52.68	-21.32	74.00	43.76	35.10	6.34	32.52	100	0	Peak
7	6958.000	40.50	-13.50	54.00	31.58	35.10	6.34	32.52	100	9	Average
8	8876.000	55.62	-18.38	74.00	45.17	37.94	7.21	34.70	100	0	Peak
9	8876.000	44.54	-9.46	54.00	34.09	37.94	7.21	34.70	100	114	Average
10	11646.000	46.59	-27.41	74.00	84.23	-11.14	7.86	34.35	100	0	Peak
11	17478.000	45.96	-28.04	74.00	82.14	-12.12	9.64	33.71	100	0	Peak

Remark: #4 and #5 Fundamental Signal



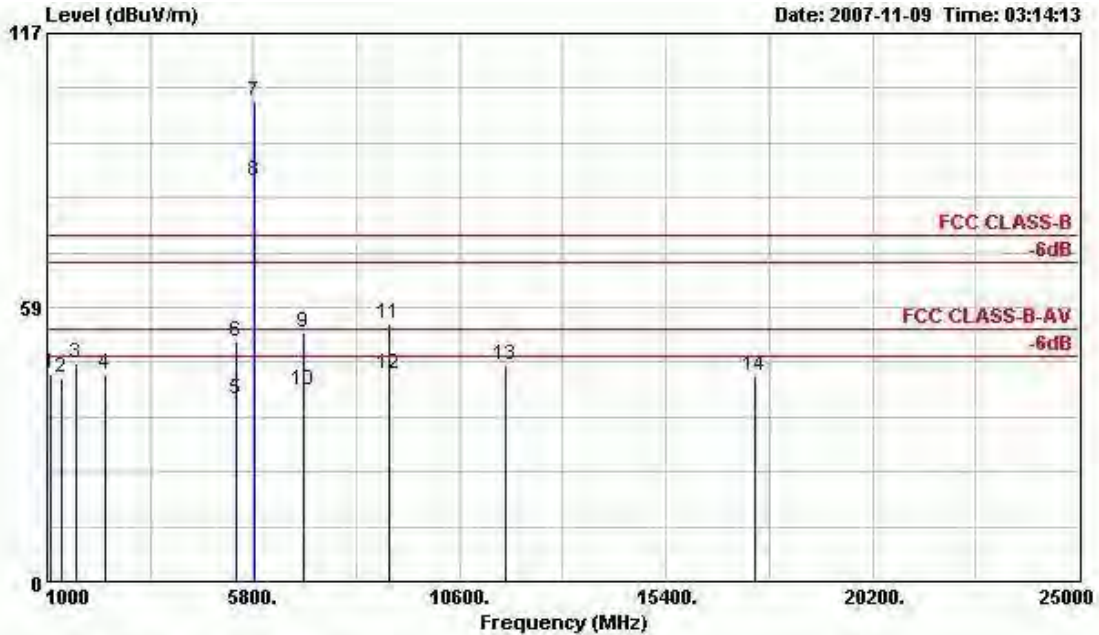
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch165;5825MHz
 Data Rate: 9

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.540	29.25	-10.75	40.00	40.27	16.36	0.87	28.25	---	---	Peak
2	57.540	29.66	-10.34	40.00	52.37	4.49	1.09	28.28	---	---	Peak
3	283.260	36.27	-9.73	46.00	49.33	12.40	2.18	27.63	100	117	Peak
4	304.900	32.80	-13.20	46.00	45.70	12.48	2.26	27.63	---	---	Peak
5	517.700	29.50	-16.50	46.00	38.21	17.43	2.88	29.02	---	---	Peak
6	665.400	29.98	-16.02	46.00	35.58	20.06	3.45	29.10	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-E 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MOME : 11a Tx_Ch165;5825MHz
 Data Rate: 9

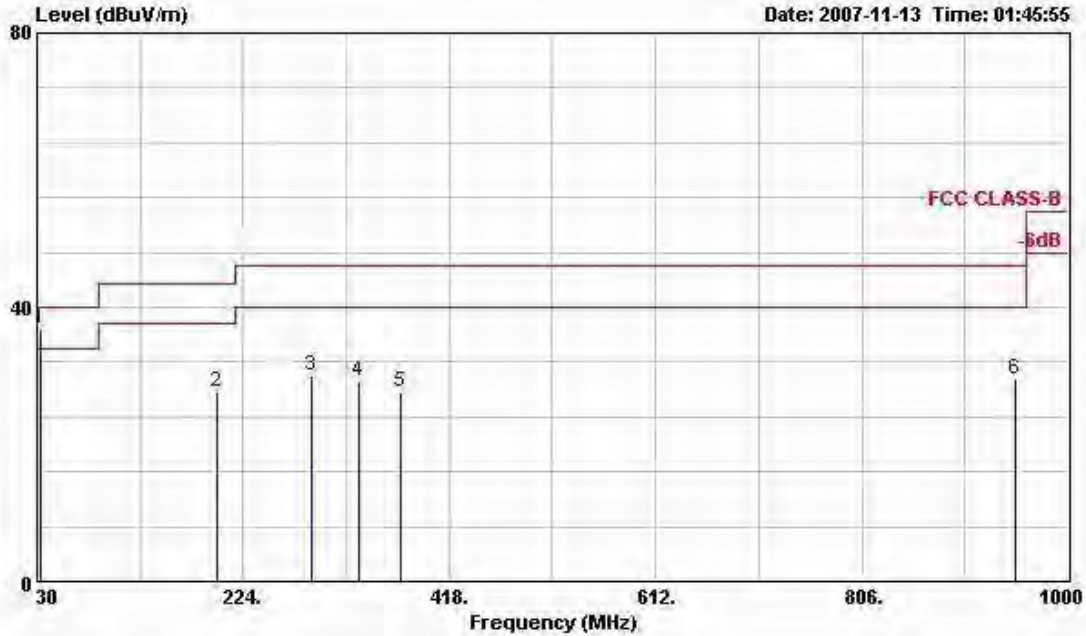
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	44.22	-29.78	74.00	51.88	24.27	2.34	34.26	100	0	Peak
2	1332.000	43.37	-30.63	74.00	49.82	24.90	2.60	33.95	100	0	Peak
3	1668.000	46.50	-27.50	74.00	51.30	25.93	2.97	33.70	100	0	Peak
4	2334.000	44.11	-29.89	74.00	46.27	27.92	3.69	33.77	100	0	Peak
5	5420.000	38.79	-15.21	54.00	33.21	33.70	6.01	34.13	127	8	Average
6	5420.000	51.04	-22.96	74.00	45.46	33.70	6.01	34.13	100	0	Peak
7 X	5825.000	102.54			96.56	34.00	6.02	34.04	100	0	Peak
8 @	5825.000	85.36			79.38	34.00	6.02	34.04	127	8	Average
9	6982.000	53.23	-20.77	74.00	44.21	35.17	6.35	32.50	100	0	Peak
10	6982.000	40.65	-13.35	54.00	31.63	35.17	6.35	32.50	127	8	Average
11	8974.000	55.20	-18.80	74.00	44.66	38.06	7.26	34.78	100	0	Peak
12	8974.000	44.12	-9.88	54.00	33.58	38.06	7.26	34.78	100	131	Average
13	11654.000	46.17	-27.83	74.00	83.82	-11.14	7.86	34.36	100	0	Peak
14	17478.000	44.05	-29.95	74.00	80.23	-12.12	9.64	33.71	100	0	Peak

Remark: #7 and #8 Fundamental Signal



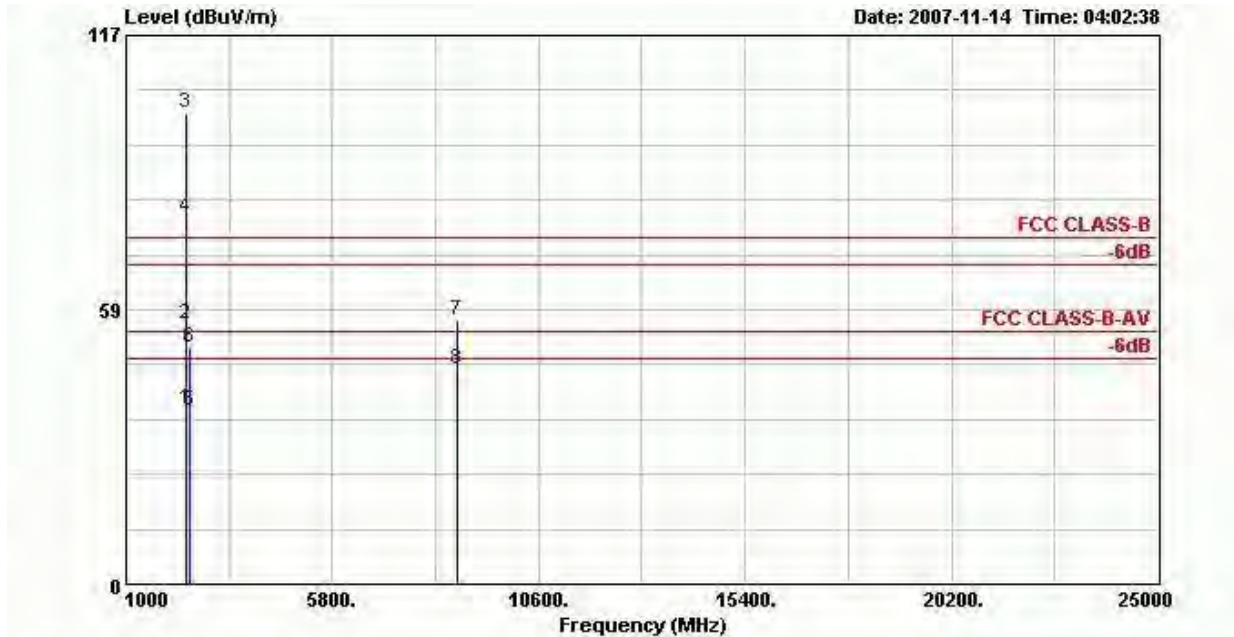
- Test Mode : Mode 10
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH01;2412MHZ
 Data Rate: 48

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	32.700	36.97	-3.03	40.00	48.01	16.33	0.90	28.26	100	285	Peak
2	199.290	27.52	-15.98	43.50	44.73	8.72	1.88	27.80	---	---	Peak
3	287.850	29.88	-16.12	46.00	42.94	12.37	2.19	27.62	---	---	Peak
4	332.200	29.20	-16.80	46.00	41.23	13.45	2.35	27.82	---	---	Peak
5	372.100	27.64	-18.36	46.00	38.45	14.81	2.48	28.11	---	---	Peak
6	951.000	29.50	-16.50	46.00	29.42	24.79	3.98	28.70	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH01;2412MHz
 Data Rate: 48

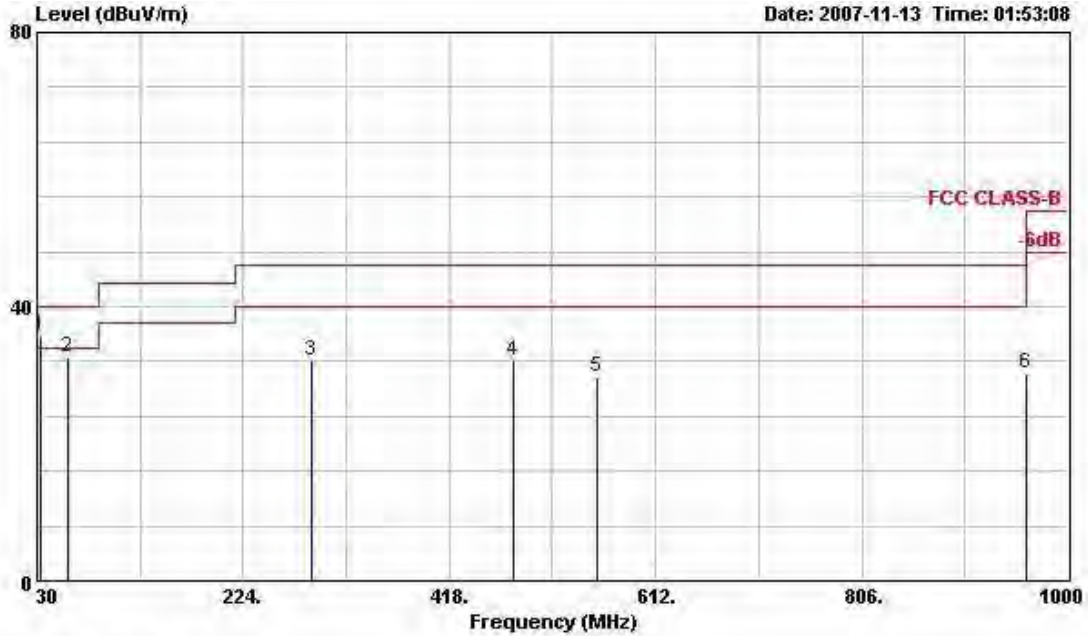
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	37.50	-16.50	54.00	39.47	28.07	3.74	33.78	100	99	Average
2	2390.000	55.34	-18.66	74.00	57.31	28.07	3.74	33.78	100	0	Peak
3 @	2412.000	100.37			102.28	28.11	3.76	33.78	100	0	Peak
4 @	2412.000	78.22			80.13	28.11	3.76	33.78	100	99	Average
5	2484.000	36.79	-17.21	54.00	38.49	28.26	3.84	33.80	100	99	Average
6	2484.000	50.47	-23.53	74.00	52.17	28.26	3.84	33.80	100	0	Peak
7	8718.000	56.05	-17.95	74.00	45.74	37.76	7.13	34.58	100	0	Peak
8	8718.000	45.73	-8.27	54.00	35.42	37.76	7.13	34.58	100	247	Average

Remark: #3 and #4 Fundamental Signal



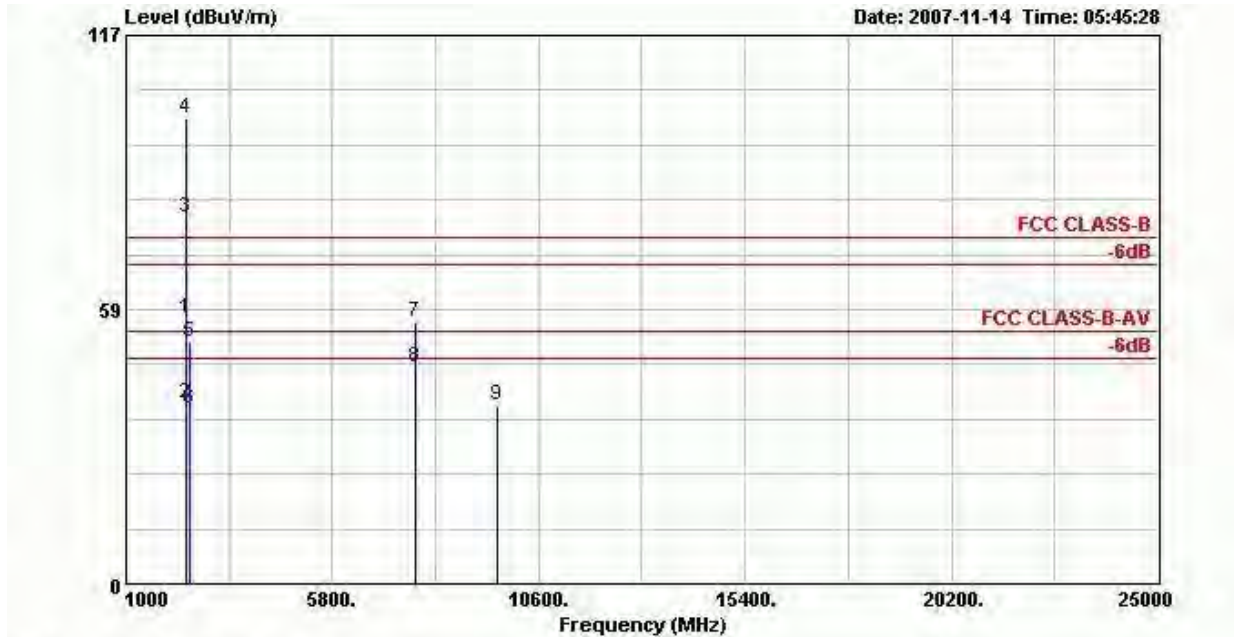
- Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH01;2412MHz
 Data Rate: 48

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.700	35.84	-4.16	40.00	46.88	16.33	0.90	28.26	100	185	Peak
2	58.620	32.69	-7.31	40.00	56.11	3.76	1.10	28.28	---	---	Peak
3	287.850	32.22	-13.78	46.00	45.28	12.37	2.19	27.62	---	---	Peak
4	478.500	32.00	-14.00	46.00	41.42	16.65	2.77	28.85	---	---	Peak
5	556.900	29.74	-16.26	46.00	37.19	18.59	3.02	29.06	---	---	Peak
6	960.100	30.28	-23.72	54.00	29.94	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH01;2412MHz
 Data Rate: 48

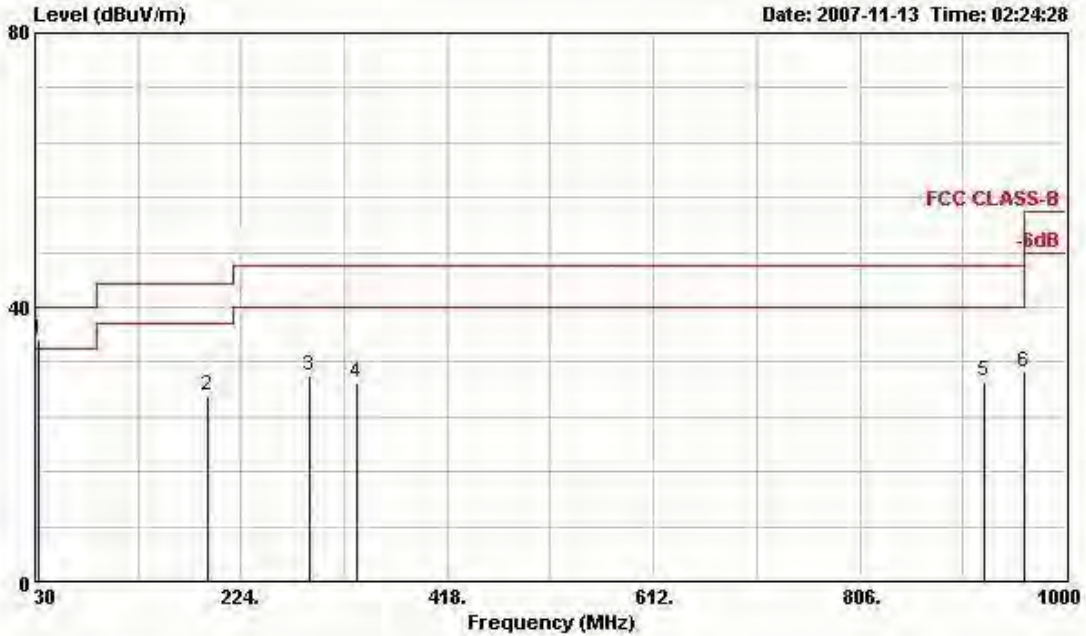
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	56.43	-17.57	74.00	58.40	28.07	3.74	33.78	100	0	Peak
2	2390.000	38.44	-15.56	54.00	40.41	28.07	3.74	33.78	100	101	Average
3 @	2412.000	78.31			80.22	28.11	3.76	33.78	100	101	Average
4 @	2412.000	99.22			101.13	28.11	3.76	33.78	100	0	Peak
5	2494.000	51.55	-22.45	74.00	53.21	28.30	3.84	33.80	100	0	Peak
6	2494.000	37.27	-16.73	54.00	38.93	28.30	3.84	33.80	100	101	Average
7	7722.000	55.78	-18.22	74.00	46.27	36.57	6.65	33.71	100	0	Peak
8	7722.000	46.27	-7.73	54.00	36.76	36.57	6.65	33.71	100	351	Average
9	9645.000	37.96	-36.04	74.00	75.45	-10.09	7.60	35.00	100	0	Peak

Remark: #3 and #4 Fundamental Signal



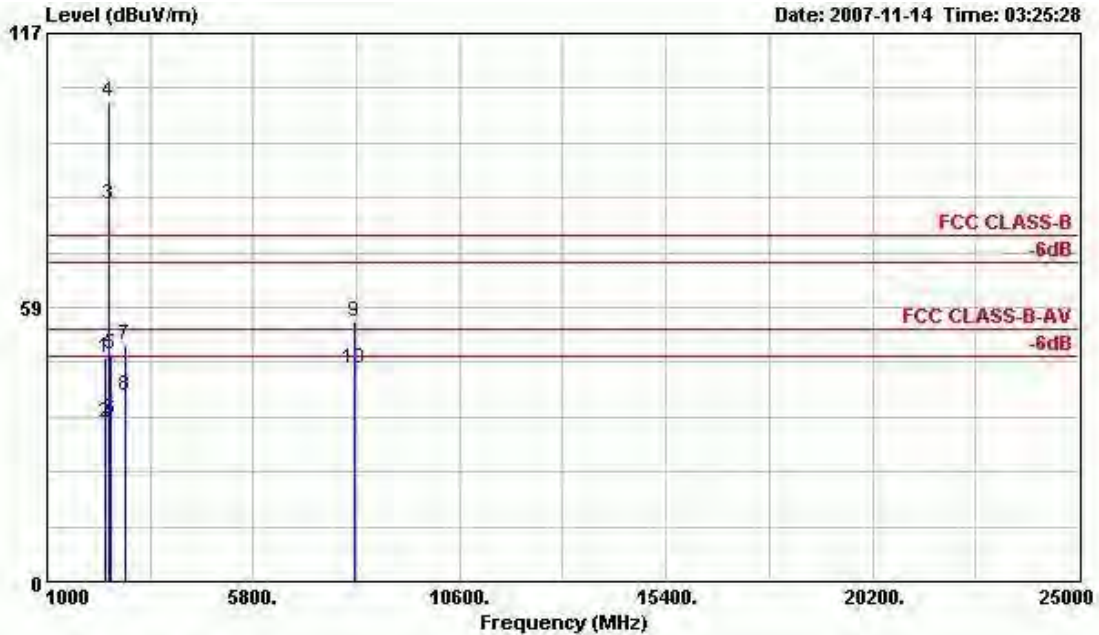
- Test Mode : Mode 11
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH06;2437MHz
 Data Rate: 48

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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 !	32.970	35.15	-4.85	40.00	46.19	16.33	0.90	28.26	100	174	Peak
2	192.540	27.06	-16.44	43.50	44.20	8.85	1.84	27.83	---	---	Peak
3	287.850	29.89	-16.11	46.00	42.95	12.37	2.19	27.62	---	---	Peak
4	332.900	28.93	-17.07	46.00	40.97	13.45	2.35	27.83	---	---	Peak
5	923.000	29.15	-16.85	46.00	29.84	24.10	3.97	28.75	---	---	Peak
6	960.100	30.47	-23.53	54.00	30.13	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH06;2437MHz
 Data Rate: 48

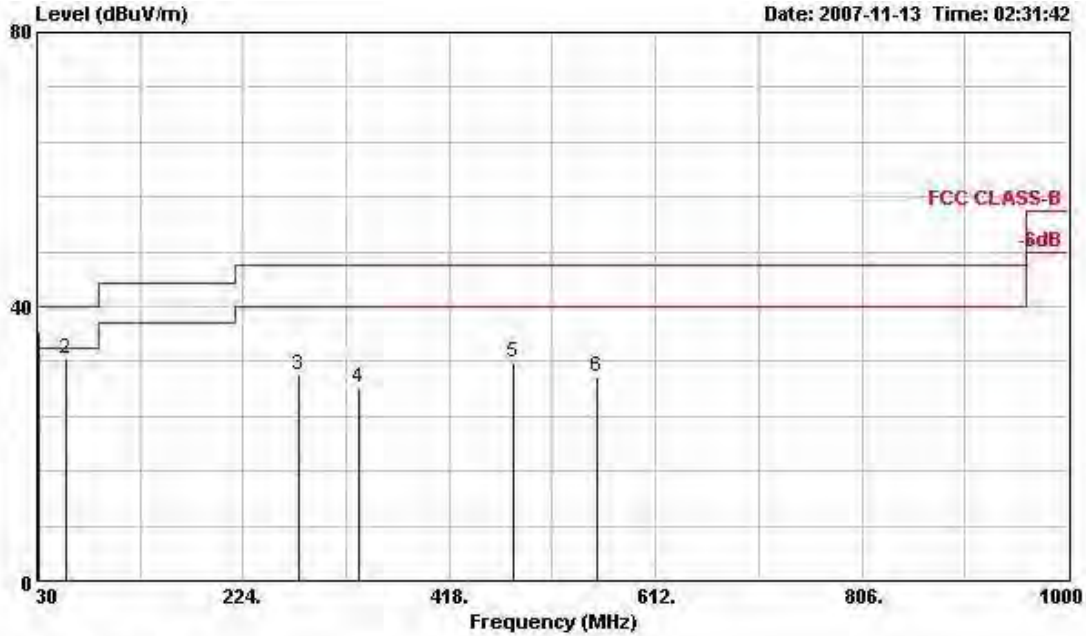
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2372.000	47.55	-26.45	74.00	49.58	28.03	3.71	33.78	100	0	Peak
2	2372.000	33.89	-20.11	54.00	35.92	28.03	3.71	33.78	100	178	Average
3 X	2437.000	80.43			82.24	28.19	3.79	33.79	100	178	Average
4 @	2437.000	102.27			104.08	28.19	3.79	33.79	100	0	Peak
5	2484.000	48.45	-25.55	74.00	50.15	28.26	3.84	33.80	100	0	Peak
6	2484.000	34.80	-19.20	54.00	36.50	28.26	3.84	33.80	100	178	Average
7	2836.000	50.59	-23.41	74.00	50.91	29.57	4.19	34.07	100	0	Peak
8	2836.000	39.80	-14.20	54.00	40.12	29.57	4.19	34.07	100	121	Average
9	8142.000	55.37	-18.63	74.00	45.35	36.99	6.83	33.81	100	0	Peak
10	8142.000	45.35	-8.65	54.00	35.33	36.99	6.83	33.81	100	187	Average

Remark: #3 and #4 Fundamental Signal



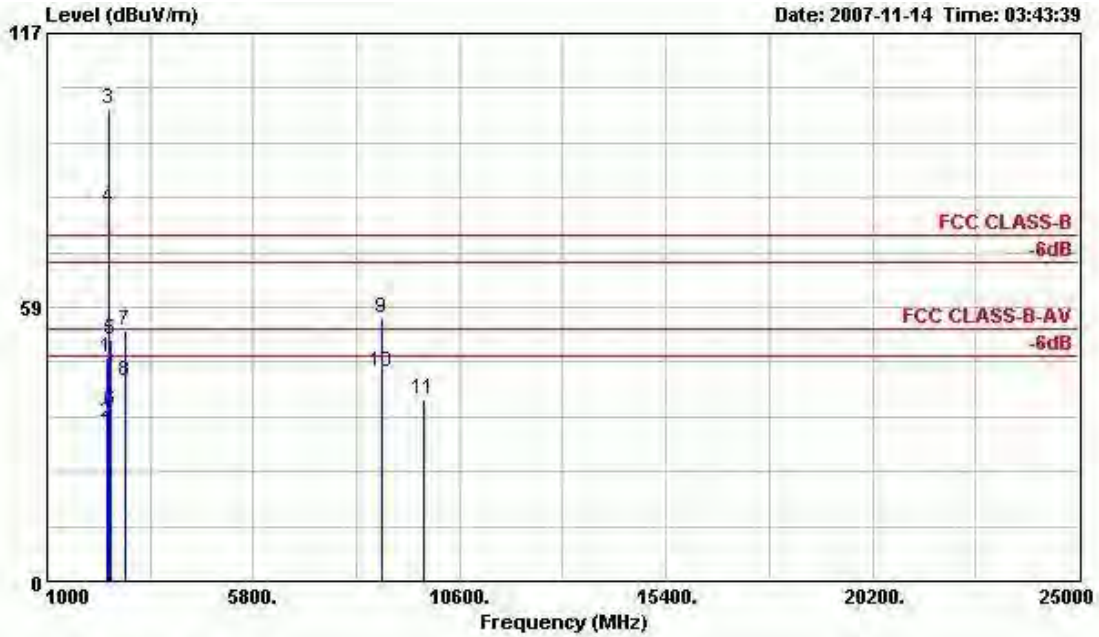
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH06;2437MHz
 Data Rate: 48

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.620	36.34	-3.66	40.00	47.38	16.34	0.88	28.26	100	239	Peak
2	57.810	32.42	-7.58	40.00	55.49	4.12	1.09	28.28	---	---	Peak
3	275.970	30.11	-15.89	46.00	43.17	12.43	2.15	27.65	---	---	Peak
4	332.900	28.14	-17.86	46.00	40.18	13.45	2.35	27.83	---	---	Peak
5	478.500	31.85	-14.15	46.00	41.27	16.65	2.77	28.85	---	---	Peak
6	556.900	29.65	-16.35	46.00	37.10	18.59	3.02	29.06	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH06;2437MHZ
 Data Rate:48

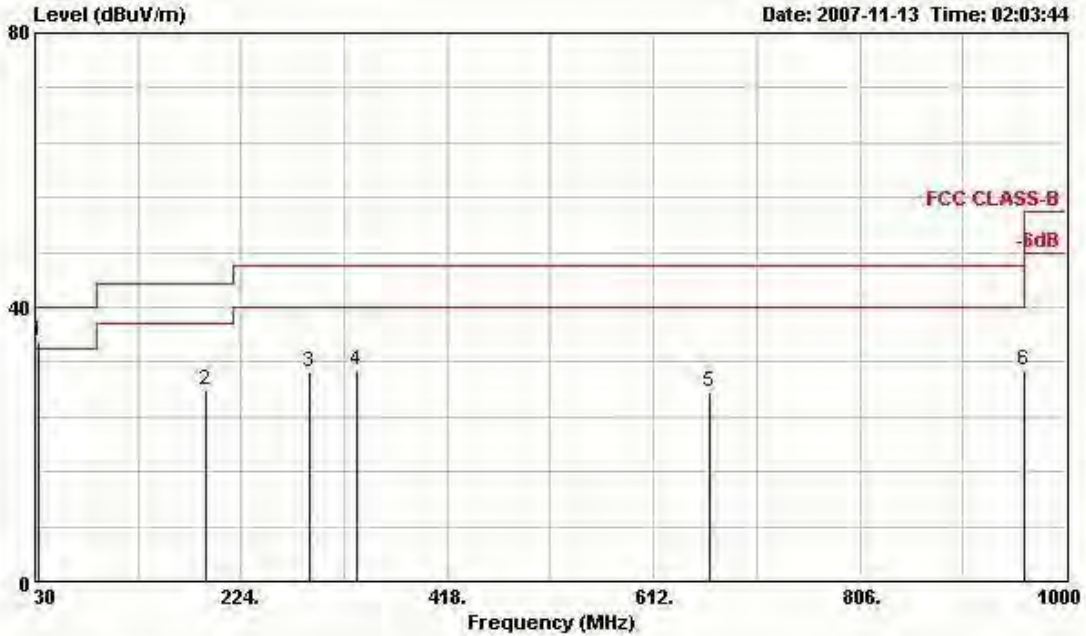
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	47.91	-26.09	74.00	49.88	28.07	3.74	33.78	100	0	Peak
2	2390.000	33.97	-20.03	54.00	35.94	28.07	3.74	33.78	100	98	Average
3 @	2437.000	101.01			102.82	28.19	3.79	33.79	100	0	Peak
4 X	2437.000	79.58			81.39	28.19	3.79	33.79	100	98	Average
5	2484.000	51.51	-22.49	74.00	53.21	28.26	3.84	33.80	100	0	Peak
6	2484.000	36.55	-17.45	54.00	38.25	28.26	3.84	33.80	100	98	Average
7	2836.000	53.40	-20.60	74.00	53.72	29.57	4.19	34.07	100	0	Peak
8	2836.000	42.75	-11.25	54.00	43.07	29.57	4.19	34.07	100	251	Average
9	8805.000	56.09	-17.91	74.00	45.70	37.86	7.17	34.64	100	0	Peak
10	8805.000	44.54	-9.46	54.00	34.15	37.86	7.17	34.64	100	83	Average
11	9747.000	38.86	-35.14	74.00	76.06	-9.85	7.65	35.00	100	0	Peak

Remark: #3 and #4 Fundamental Signal



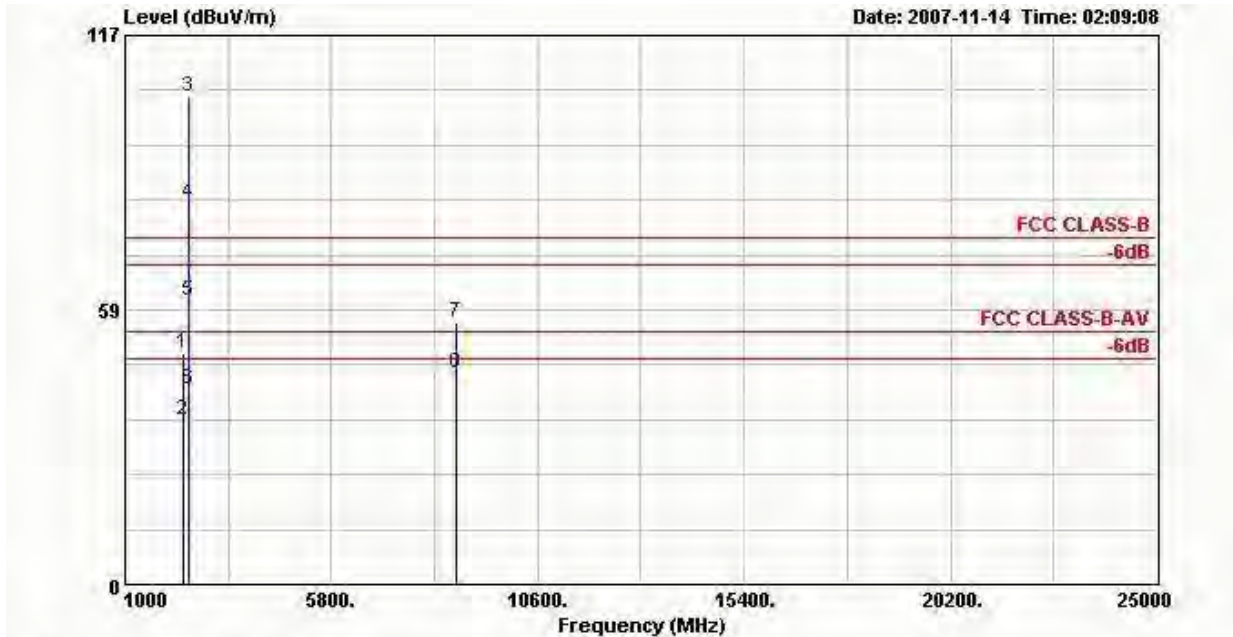
- Test Mode : Mode 12
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH11;2462MHz
 Data Rate: 48

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	34.98	-5.02	40.00	46.02	16.33	0.90	28.26	100	181	Peak
2	190.380	27.91	-15.59	43.50	45.02	8.90	1.83	27.84	---	---	Peak
3	287.850	30.53	-15.47	46.00	43.59	12.37	2.19	27.62	---	---	Peak
4	332.900	30.90	-15.10	46.00	42.94	13.45	2.35	27.83	---	---	Peak
5	665.400	27.52	-18.48	46.00	33.12	20.06	3.45	29.10	---	---	Peak
6	960.100	30.92	-23.08	54.00	30.58	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH11;2462MHz
 Data Rate: 48

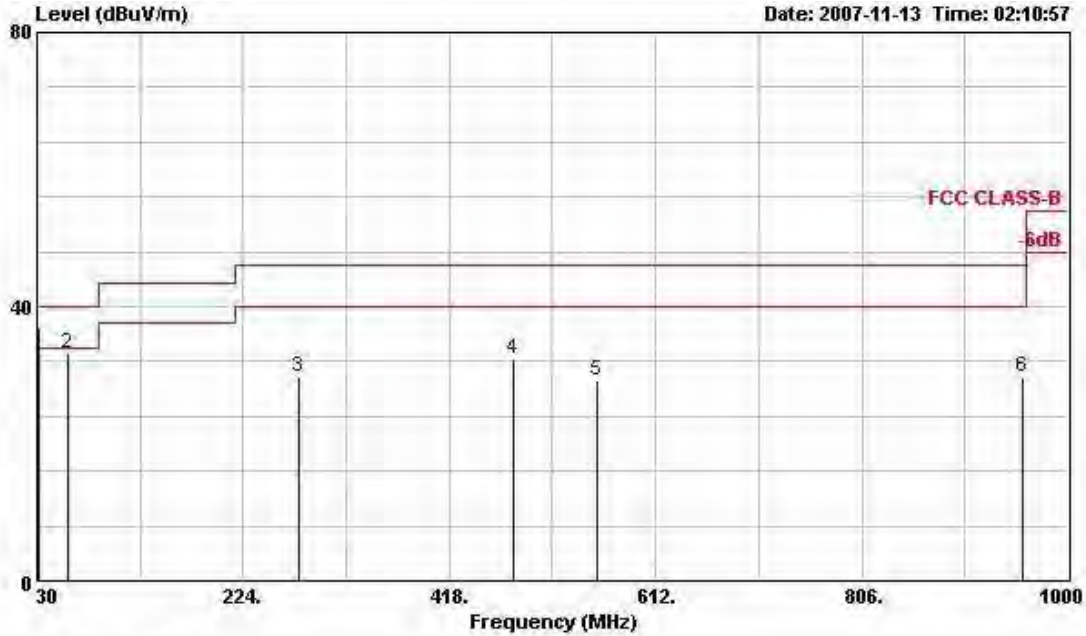
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2348.000	49.18	-24.82	74.00	51.30	27.96	3.69	33.77	100	0	Peak
2	2348.000	35.13	-18.87	54.00	37.25	27.96	3.69	33.77	103	203	Average
3 @	2462.000	104.09			105.84	28.22	3.81	33.79	100	0	Peak
4 X	2462.000	81.29			83.04	28.22	3.81	33.79	103	203	Average
5	2483.500	60.47	-13.53	74.00	62.17	28.26	3.84	33.80	100	0	Peak
6	2483.500	41.73	-12.27	54.00	43.43	28.26	3.84	33.80	103	203	Average
7	8685.000	55.62	-18.38	74.00	45.33	37.72	7.11	34.54	100	0	Peak
8	8685.000	45.21	-8.79	54.00	34.92	37.72	7.11	34.54	100	314	Average

Remark: #3 and #4 Fundamental Signal



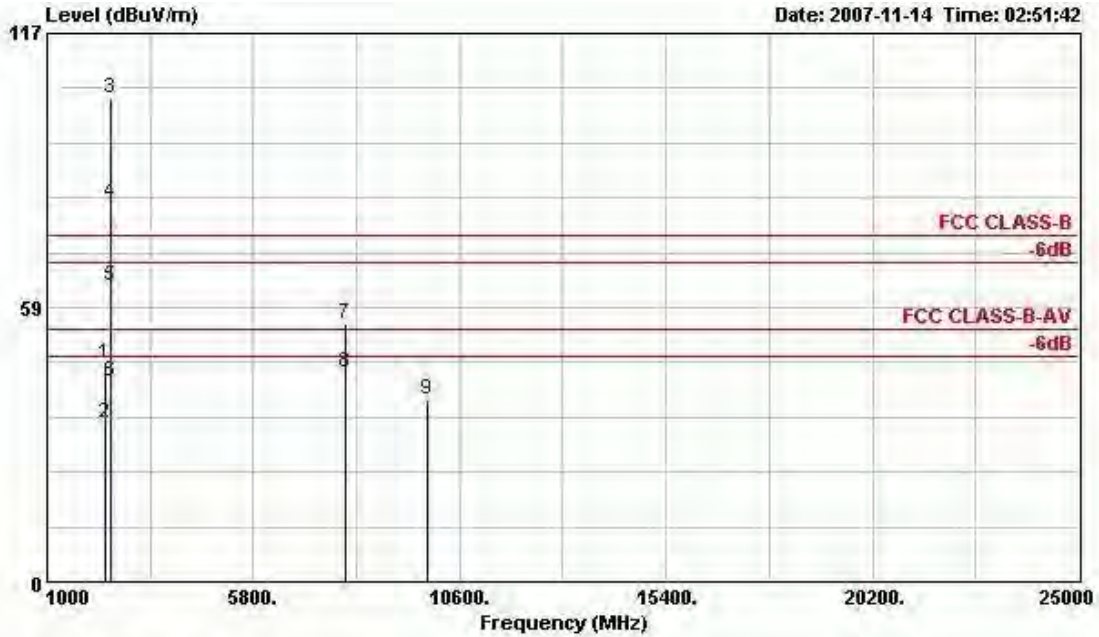
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH11;2462MHz
 Data Rate: 48

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.620	36.86	-3.14	40.00	47.90	16.34	0.88	28.26	100	152	Peak
2	58.890	33.17	-6.83	40.00	56.59	3.76	1.10	28.28	---	---	Peak
3	275.970	29.83	-16.17	46.00	42.89	12.43	2.15	27.65	---	---	Peak
4	478.500	32.24	-13.76	46.00	41.66	16.65	2.77	28.85	---	---	Peak
5	556.900	29.23	-16.77	46.00	36.68	18.59	3.02	29.06	---	---	Peak
6	956.600	29.69	-16.31	46.00	29.45	24.94	3.98	28.69	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(g) TX(20M)_CH11;2462MHz
 Data Rate: 48

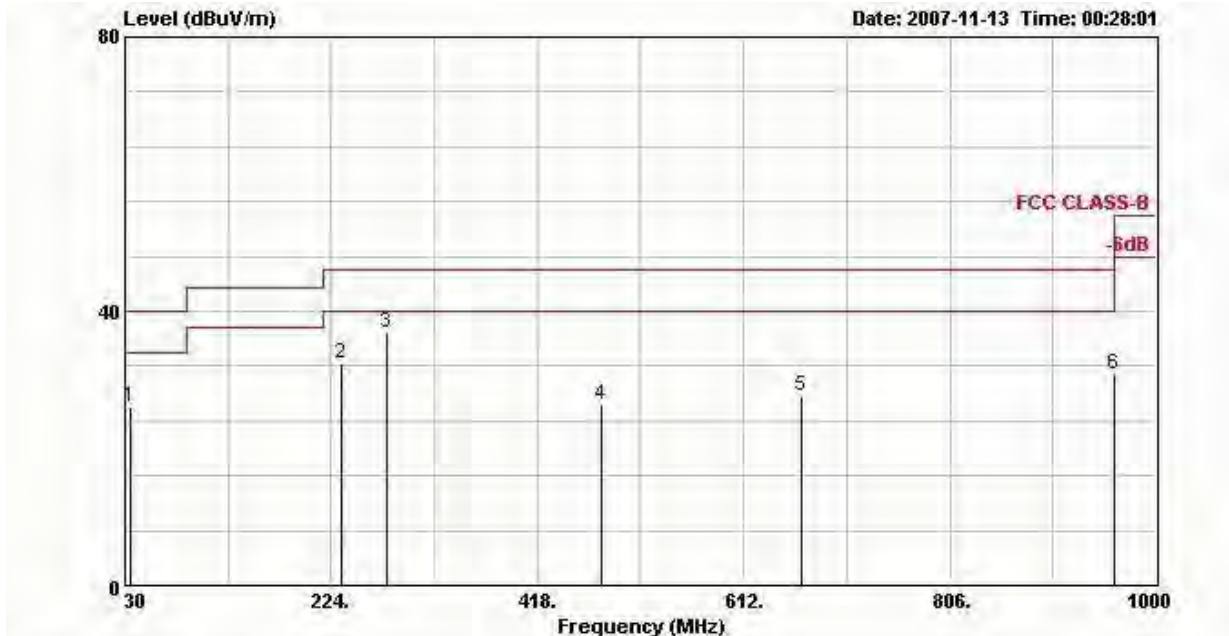
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2334.000	46.73	-27.27	74.00	48.89	27.92	3.69	33.77	100	0	Peak
2	2334.000	33.84	-20.16	54.00	36.00	27.92	3.69	33.77	100	103	Average
3 @	2462.000	103.13			104.88	28.22	3.81	33.79	100	0	Peak
4 X	2462.000	80.74			82.49	28.22	3.81	33.79	100	103	Average
5	2483.500	63.11	-10.89	74.00	64.81	28.26	3.84	33.80	100	0	Peak
6	2483.500	42.58	-11.42	54.00	44.28	28.26	3.84	33.80	100	103	Average
7	7929.000	55.17	-18.83	74.00	45.32	36.75	6.73	33.63	100	0	Peak
8	7929.000	44.76	-9.24	54.00	34.91	36.75	6.73	33.63	100	155	Average
9	9849.000	38.92	-35.08	74.00	75.83	-9.63	7.72	35.00	100	0	Peak

Remark: #3 and #4 Fundamental Signal



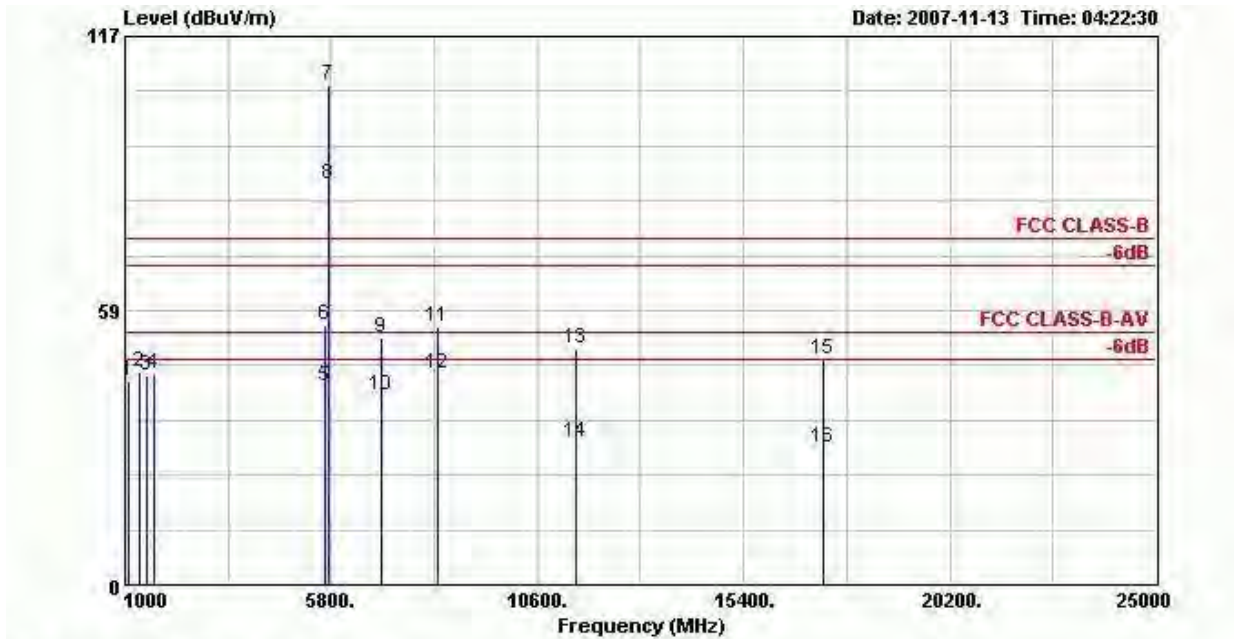
- Test Mode : Mode 13
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch149;5745MHz
 Data Rate: 36

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.940	26.14	-13.86	40.00	38.08	15.40	0.93	28.27	---	---	Peak
2	233.850	32.33	-13.67	46.00	46.75	11.31	2.00	27.73	---	---	Peak
3	276.780	36.92	-9.08	46.00	49.98	12.43	2.15	27.65	100	177	Peak
4	478.500	26.38	-19.62	46.00	35.80	16.65	2.77	28.85	---	---	Peak
5	666.100	27.61	-18.39	46.00	33.20	20.06	3.45	29.10	---	---	Peak
6	960.100	30.88	-23.12	54.00	30.54	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch149;5745MHz
 Data Rate:36

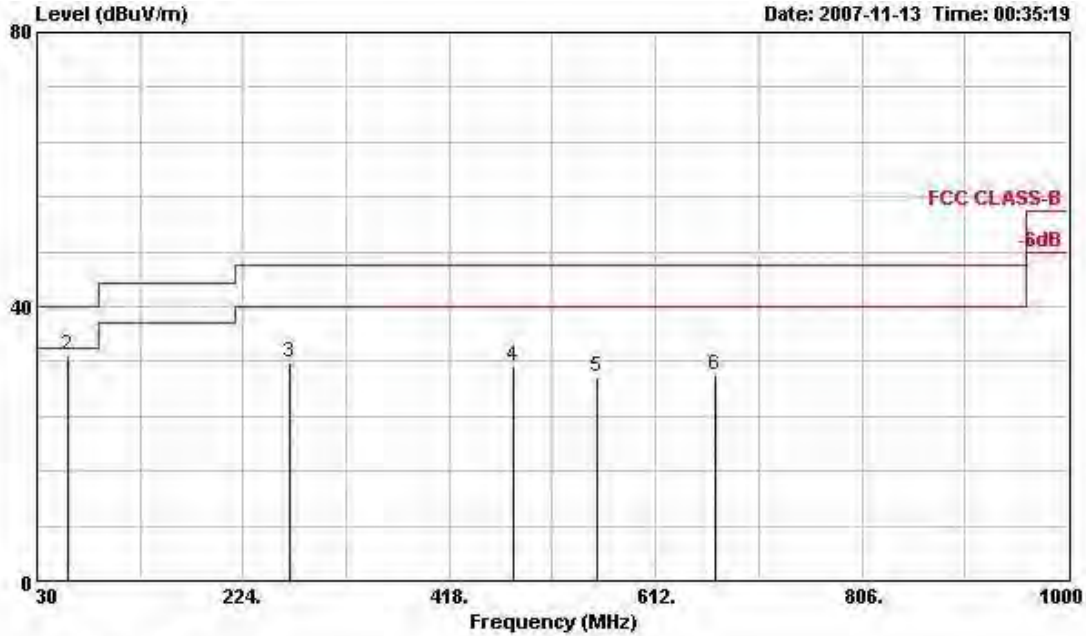
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	43.56	-30.44	74.00	51.22	24.27	2.34	34.26	100	0	Peak
2	1332.000	45.34	-28.66	74.00	51.79	24.90	2.60	33.95	100	0	Peak
3	1500.000	44.57	-29.43	74.00	50.19	25.30	2.79	33.70	100	0	Peak
4	1662.000	45.17	-28.83	74.00	49.97	25.93	2.97	33.70	100	0	Peak
5	5670.000	42.24	-11.76	54.00	36.38	33.90	6.02	34.07	100	344	Average
6	5670.000	55.52	-18.48	74.00	49.66	33.90	6.02	34.07	100	0	Peak
7 @	5745.000	106.59			100.67	33.94	6.02	34.05	100	0	Peak
8 @	5745.000	85.39			79.47	33.94	6.02	34.05	100	344	Average
9	6950.000	52.76	-21.24	74.00	43.86	35.10	6.34	32.54	100	0	Peak
10	6950.000	40.47	-13.53	54.00	31.57	35.10	6.34	32.54	100	344	Average
11	8292.000	55.21	-18.79	74.00	45.15	37.21	6.91	34.06	100	0	Peak
12	8292.000	45.15	-8.85	54.00	35.09	37.21	6.91	34.06	100	14	Average
13	11493.000	50.32	-23.68	74.00	88.50	-11.73	7.84	34.30	100	0	Peak
14	11493.000	30.57	-23.43	54.00	68.75	-11.73	7.84	34.30	100	187	Average
15	17238.000	48.21	-25.79	74.00	83.68	-11.11	9.44	33.80	100	0	Peak
16	17238.000	29.41	-24.59	54.00	64.88	-11.11	9.44	33.80	100	57	Average

Remark: #7 and #8 Fundamental Signal



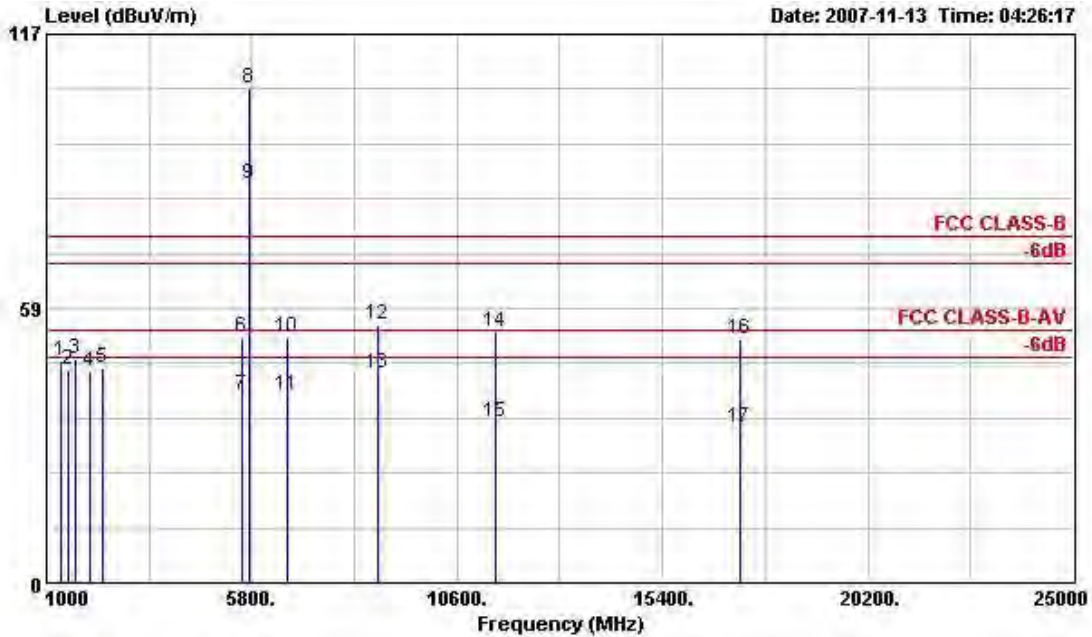
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch149;5745MHz
 Data Rate:36

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.540	36.43	-3.57	40.00	47.45	16.36	0.87	28.25	100	114	Peak
2	58.890	32.96	-7.04	40.00	56.38	3.76	1.10	28.28	---	---	Peak
3	267.330	31.87	-14.13	46.00	44.94	12.48	2.12	27.67	---	---	Peak
4	478.500	31.35	-14.65	46.00	40.77	16.65	2.77	28.85	---	---	Peak
5	556.900	29.73	-16.27	46.00	37.18	18.59	3.02	29.06	---	---	Peak
6	668.200	29.90	-16.10	46.00	35.49	20.06	3.45	29.10	---	---	Peak



Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 1ln(a) Tx(20M)_Ch149;5745MHz
 Data Rate:36

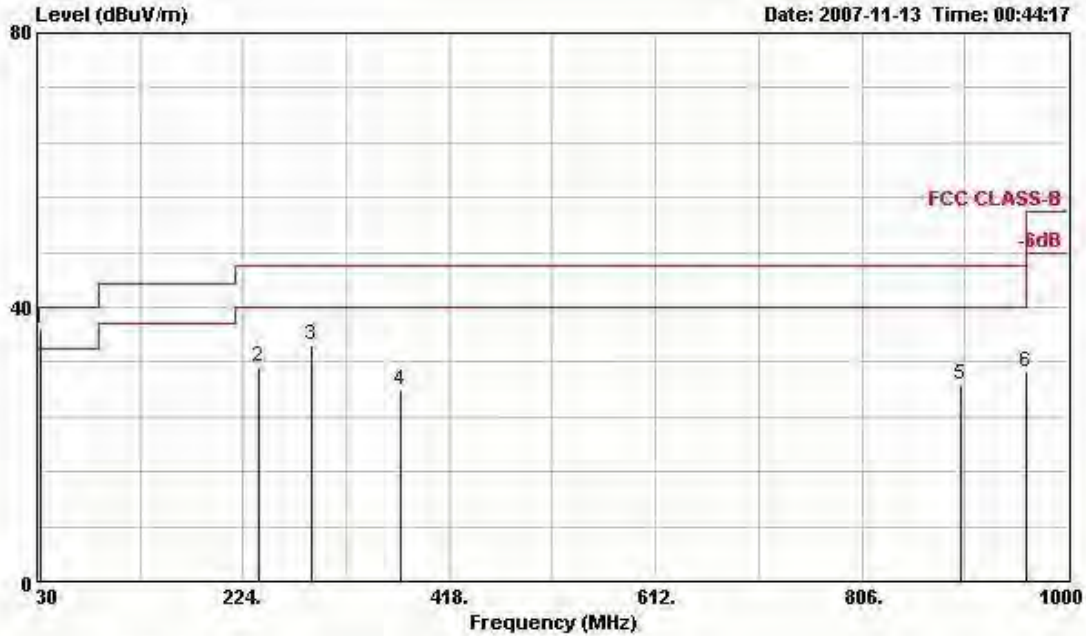
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	1332.000	47.33	-26.67	74.00	53.78	24.90	2.60	33.95	100	0 Peak
2	1500.000	45.38	-28.62	74.00	51.00	25.30	2.79	33.70	100	0 Peak
3	1662.000	47.84	-26.16	74.00	52.64	25.93	2.97	33.70	100	0 Peak
4	1996.000	45.06	-28.94	74.00	48.22	27.20	3.34	33.70	100	0 Peak
5	2326.000	45.85	-28.15	74.00	48.03	27.92	3.66	33.77	100	0 Peak
6	5588.000	52.15	-21.85	74.00	46.36	33.85	6.01	34.08	100	0 Peak
7	5588.000	39.84	-14.16	54.00	34.05	33.85	6.01	34.08	100	324 Average
8 @	5745.000	105.38			99.46	33.94	6.02	34.05	100	0 Peak
9 X	5745.000	84.93			79.01	33.94	6.02	34.05	100	324 Average
10	6644.000	52.46	-21.54	74.00	44.54	34.48	6.24	32.79	100	0 Peak
11	6644.000	40.15	-13.85	54.00	32.23	34.48	6.24	32.79	100	324 Average
12	8734.000	55.03	-18.97	74.00	44.70	37.78	7.13	34.58	100	0 Peak
13	8734.000	44.69	-9.31	54.00	34.36	37.78	7.13	34.58	100	154 Average
14	11490.000	53.35	-20.65	74.00	91.53	-11.73	7.84	34.30	100	0 Peak
15	11490.000	34.24	-19.76	54.00	72.42	-11.73	7.84	34.30	100	110 Average
16	17229.000	52.06	-21.94	74.00	87.51	-11.07	9.42	33.81	100	0 Peak
17	17229.000	33.17	-20.83	54.00	68.62	-11.07	9.42	33.81	100	82 Average

Remark: #8 and #9 Fundamental Signal



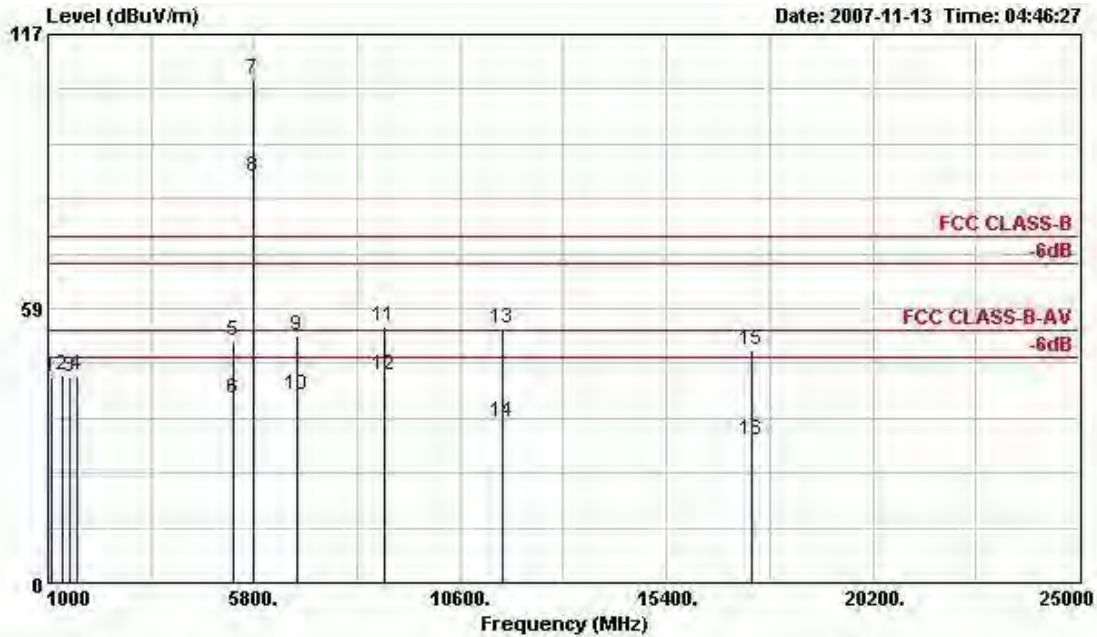
- Test Mode : Mode 14
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch157;5785MHz
 Data Rate: 36

	Freq	Level	Over Limit	Limit Line	ReadAntenna 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	36.74	-3.26	40.00	47.78	16.33	0.90	28.26	100	144	Peak
2	239.250	31.35	-14.65	46.00	45.30	11.76	2.01	27.72	---	---	Peak
3	287.850	34.42	-11.58	46.00	47.48	12.37	2.19	27.62	---	---	Peak
4	372.100	27.79	-18.21	46.00	38.60	14.81	2.48	28.11	---	---	Peak
5	898.500	28.56	-17.44	46.00	29.97	23.44	3.95	28.80	---	---	Peak
6	960.100	30.45	-23.55	54.00	30.11	25.04	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch157;5785MHz
 Data Rate: 36

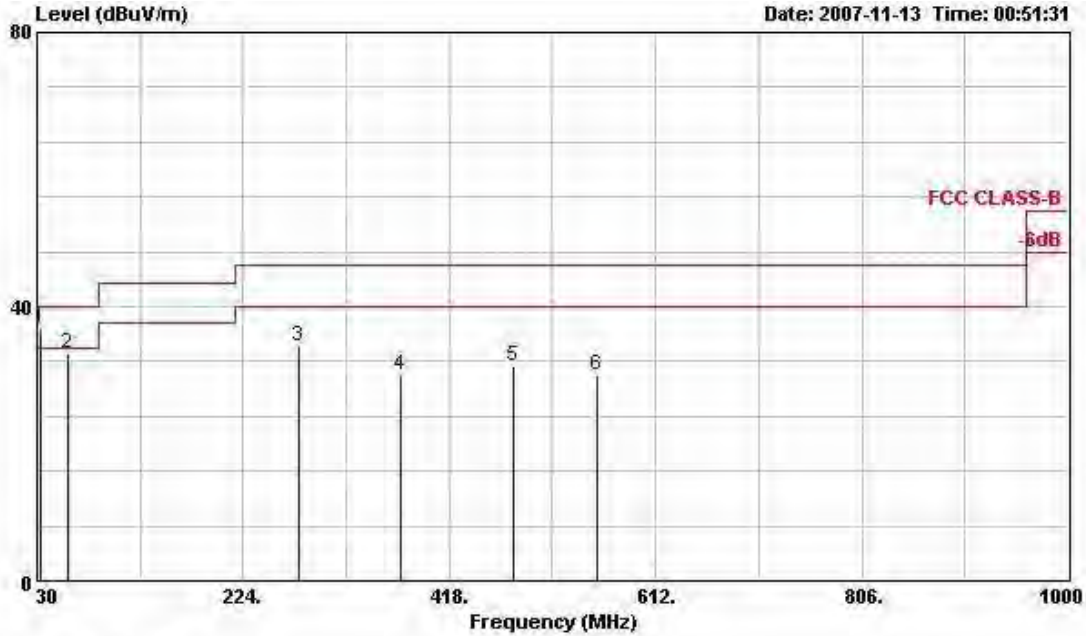
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	43.69	-30.31	74.00	51.35	24.27	2.34	34.26	100	0	Peak
2	1332.000	44.43	-29.57	74.00	50.88	24.90	2.60	33.95	100	0	Peak
3	1500.000	43.99	-30.01	74.00	49.61	25.30	2.79	33.70	100	0	Peak
4	1662.000	44.26	-29.74	74.00	49.06	25.93	2.97	33.70	100	0	Peak
5	5302.000	51.68	-22.32	74.00	46.29	33.56	6.00	34.17	100	0	Peak
6	5302.000	39.15	-14.85	54.00	33.76	33.56	6.00	34.17	100	301	Average
7 @	5785.000	107.29			101.34	33.97	6.02	34.04	100	0	Peak
8 @	5785.000	86.50			80.55	33.97	6.02	34.04	100	301	Average
9	6820.000	52.79	-21.21	74.00	44.32	34.82	6.30	32.65	100	0	Peak
10	6820.000	40.14	-13.86	54.00	31.67	34.82	6.30	32.65	100	301	Average
11	8822.000	54.83	-19.17	74.00	44.43	37.88	7.18	34.66	100	0	Peak
12	8822.000	44.42	-9.58	54.00	34.02	37.88	7.18	34.66	100	321	Average
13	11565.000	54.44	-19.56	74.00	92.45	-11.54	7.85	34.32	100	0	Peak
14	11565.000	34.21	-19.79	54.00	72.22	-11.54	7.85	34.32	100	264	Average
15	17361.000	49.54	-24.46	74.00	85.36	-11.61	9.54	33.75	100	0	Peak
16	17361.000	30.41	-23.59	54.00	66.23	-11.61	9.54	33.75	100	48	Average

Remark: #7 and #8 Fundamental Signal



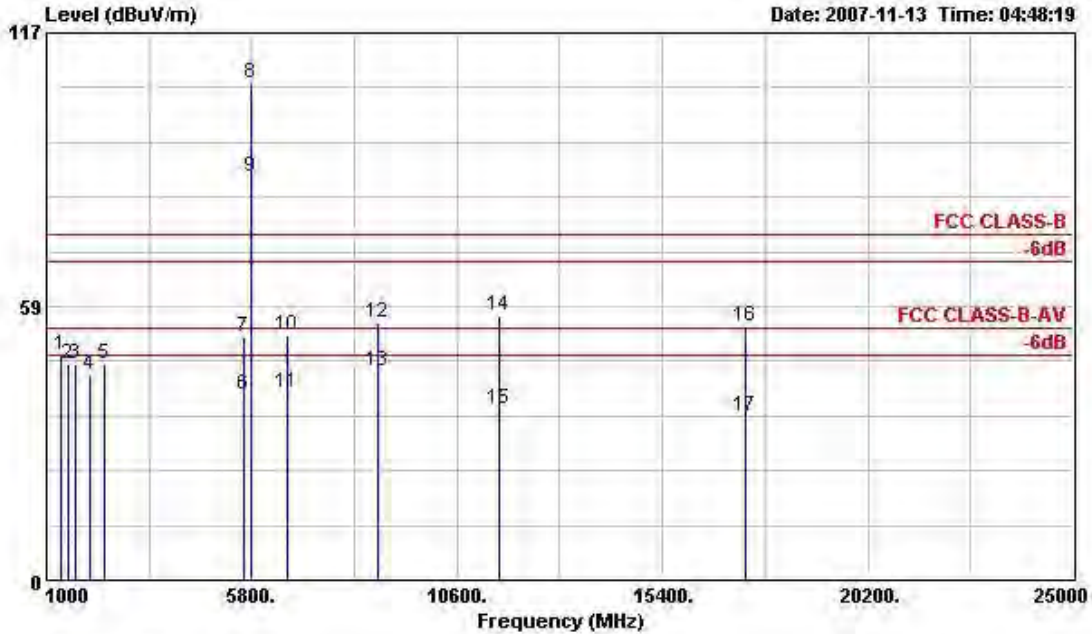
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch157;5785MHz
 Data Rate:36

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.700	36.86	-3.14	40.00	47.90	16.33	0.90	28.26	100	47	Peak
2	58.890	33.04	-6.96	40.00	56.46	3.76	1.10	28.28	---	---	Peak
3	275.970	34.19	-11.81	46.00	47.25	12.43	2.15	27.65	---	---	Peak
4	372.100	29.93	-16.07	46.00	40.74	14.81	2.48	28.11	---	---	Peak
5	478.500	31.34	-14.66	46.00	40.76	16.65	2.77	28.85	---	---	Peak
6	556.900	29.89	-16.11	46.00	37.34	18.59	3.02	29.06	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch157;5785MHz
 Data Rate:36

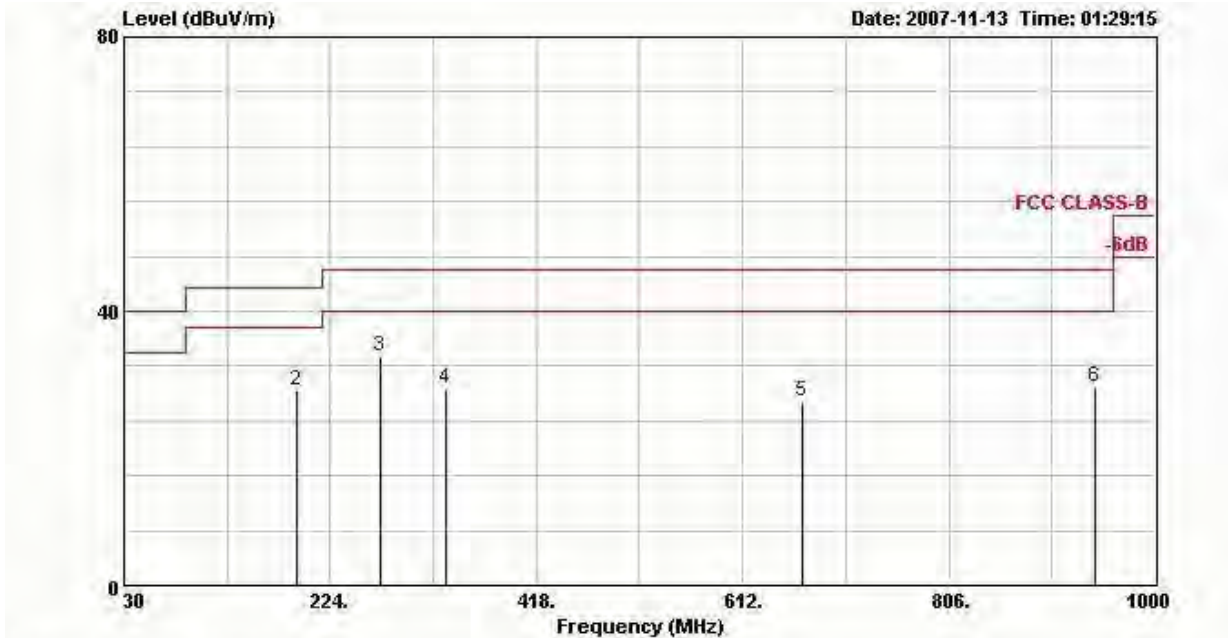
	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg
1	1332.000	48.07	-25.93	74.00	54.52	24.90	2.60	33.95	100	0 Peak
2	1500.000	46.28	-27.72	74.00	51.90	25.30	2.79	33.70	100	0 Peak
3	1668.000	46.34	-27.66	74.00	51.14	25.93	2.97	33.70	100	0 Peak
4	2004.000	43.90	-30.10	74.00	47.06	27.20	3.34	33.70	100	0 Peak
5	2340.000	46.25	-27.75	74.00	48.37	27.96	3.69	33.77	100	0 Peak
6	5622.000	39.51	-14.49	54.00	33.70	33.87	6.02	34.08	102	4 Average
7	5622.000	52.00	-22.00	74.00	46.19	33.87	6.02	34.08	100	0 Peak
8 X	5785.000	106.08			100.13	33.97	6.02	34.04	100	0 Peak
9 @	5785.000	86.35			80.40	33.97	6.02	34.04	102	4 Average
10	6628.000	52.42	-21.58	74.00	44.54	34.44	6.23	32.79	100	0 Peak
11	6628.000	40.05	-13.95	54.00	32.17	34.44	6.23	32.79	102	4 Average
12	8726.000	55.13	-18.87	74.00	44.82	37.76	7.13	34.58	100	0 Peak
13	8726.000	44.81	-9.19	54.00	34.50	37.76	7.13	34.58	100	102 Average
14	11562.000	56.54	-17.46	74.00	94.55	-11.54	7.85	34.32	100	0 Peak
15	11562.000	36.42	-17.58	54.00	74.43	-11.54	7.85	34.32	100	314 Average
16	17358.000	54.27	-19.73	74.00	90.10	-11.61	9.54	33.76	100	0 Peak
17	17358.000	35.12	-18.88	54.00	70.95	-11.61	9.54	33.76	100	241 Average

Remark: #8 and #9 Fundamental Signal



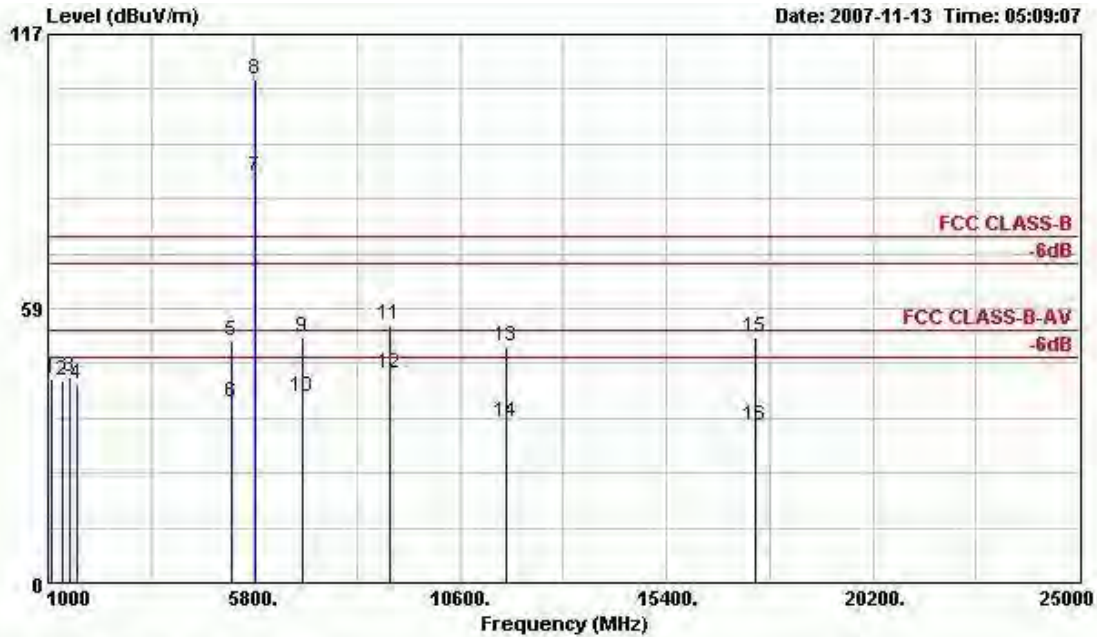
- Test Mode : Mode 15
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch165;5825MHz
 Data Rate: 36

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dE	dB	cm	deg
1	30.810	36.84	-3.16	40.00	47.85	16.36	0.88	28.25	100	187 Peak
2	192.540	28.40	-15.10	43.50	45.54	8.85	1.84	27.83	---	---
3	270.570	33.36	-12.64	46.00	46.43	12.46	2.13	27.66	---	---
4	332.900	28.65	-17.35	46.00	40.69	13.45	2.35	27.83	---	---
5	668.200	26.90	-19.10	46.00	32.49	20.06	3.45	29.10	---	---
6	943.300	28.91	-17.09	46.00	29.02	24.62	3.98	28.71	---	---



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch165;5825MHz
 Data Rate: 36

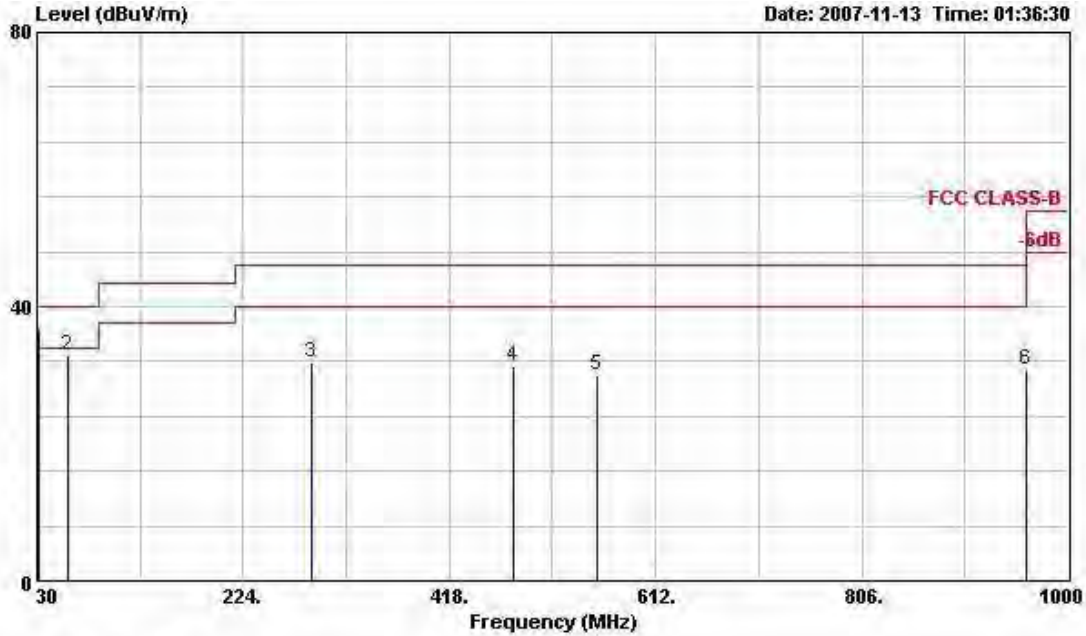
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1094.000	43.68	-30.32	74.00	51.34	24.27	2.34	34.26	100	0	Peak
2	1334.000	43.14	-30.86	74.00	49.59	24.90	2.60	33.95	100	0	Peak
3	1500.000	43.76	-30.24	74.00	49.38	25.30	2.79	33.70	100	0	Peak
4	1668.000	42.25	-31.75	74.00	47.05	25.93	2.97	33.70	100	0	Peak
5	5262.000	51.42	-22.58	74.00	46.09	33.52	6.00	34.19	100	0	Peak
6	5262.000	38.46	-15.54	54.00	33.13	33.52	6.00	34.19	100	305	Average
7 @	5825.000	86.55			80.57	34.00	6.02	34.04	100	305	Average
8 @	5825.000	107.45			101.47	34.00	6.02	34.04	100	0	Peak
9	6910.000	52.45	-21.55	74.00	43.66	35.03	6.33	32.56	100	0	Peak
10	6910.000	39.48	-14.52	54.00	30.69	35.03	6.33	32.56	100	305	Average
11	8964.000	55.13	-18.87	74.00	44.59	38.04	7.26	34.76	100	0	Peak
12	8964.000	44.59	-9.41	54.00	34.05	38.04	7.26	34.76	100	271	Average
13	11646.000	50.48	-23.52	74.00	88.12	-11.14	7.86	34.35	100	0	Peak
14	11646.000	34.27	-19.73	54.00	71.91	-11.14	7.86	34.35	100	207	Average
15	17466.000	52.37	-21.63	74.00	88.53	-12.07	9.62	33.71	100	0	Peak
16	17466.000	33.54	-20.46	54.00	69.70	-12.07	9.62	33.71	100	278	Average

Remark: #7 and #8 Fundamental Signal



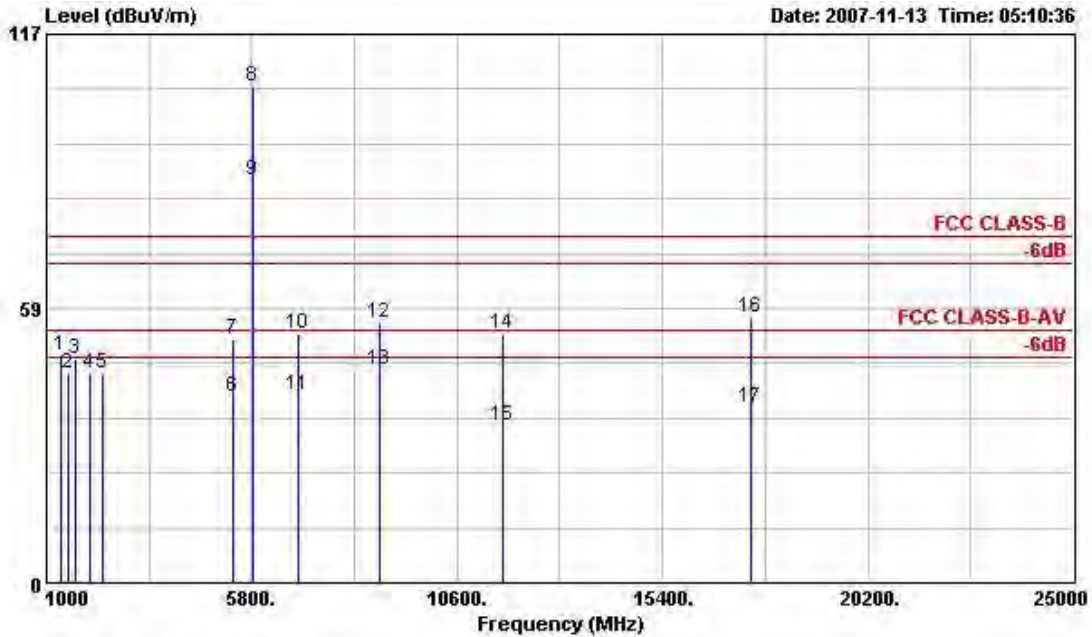
- Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch165;5825MHz
 Data Rate: 36

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	36.76	-3.24	40.00	47.79	16.34	0.89	28.26	100	173	Peak
2	58.890	33.01	-6.99	40.00	56.43	3.76	1.10	28.28	---	---	Peak
3	287.850	31.94	-14.06	46.00	45.00	12.37	2.19	27.62	---	---	Peak
4	478.500	31.24	-14.76	46.00	40.66	16.65	2.77	28.85	---	---	Peak
5	556.900	30.07	-15.93	46.00	37.52	18.59	3.02	29.06	---	---	Peak
6	960.100	30.71	-23.29	54.00	30.37	25.04	3.99	28.68	---	---	Peak



Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(20M)_Ch165;5825MHz
 Data Rate:36

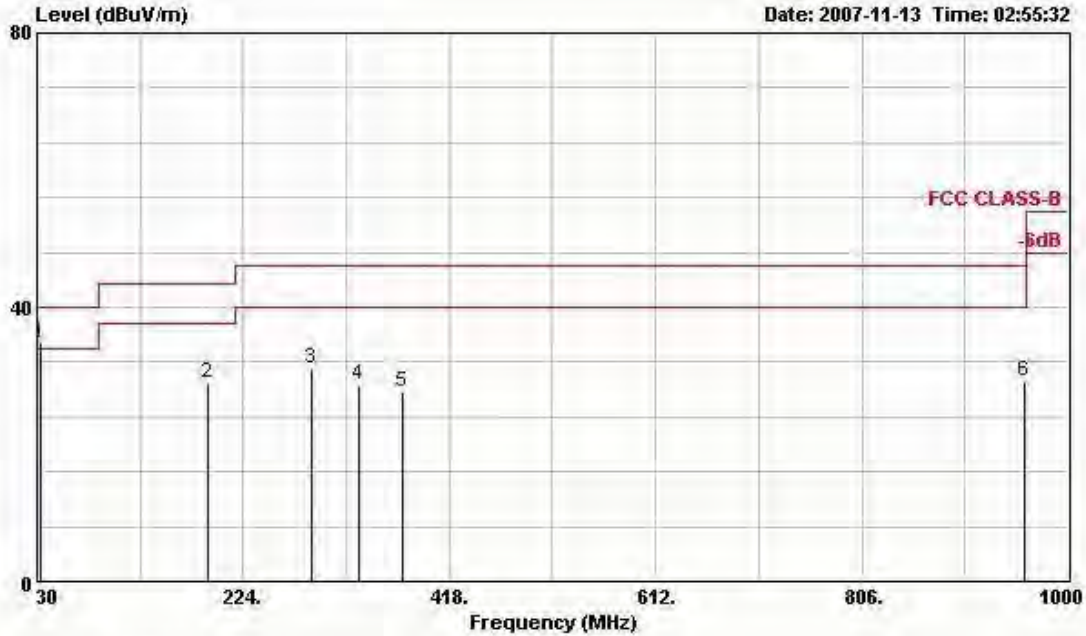
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	1332.000	48.51	-25.49	74.00	54.96	24.90	2.60	33.95	100	0 Peak
2	1500.000	44.68	-29.32	74.00	50.30	25.30	2.79	33.70	100	0 Peak
3	1662.000	47.90	-26.10	74.00	52.70	25.93	2.97	33.70	100	0 Peak
4	2004.000	44.58	-29.42	74.00	47.74	27.20	3.34	33.70	100	0 Peak
5	2332.000	44.75	-29.25	74.00	46.91	27.92	3.69	33.77	100	0 Peak
6	5350.000	39.48	-14.52	54.00	34.01	33.62	6.00	34.15	102	4 Average
7	5350.000	52.14	-21.86	74.00	46.67	33.62	6.00	34.15	100	0 Peak
8 @	5825.000	105.87			99.89	34.00	6.02	34.04	100	0 Peak
9 X	5825.000	85.79			79.81	34.00	6.02	34.04	102	4 Average
10	6894.000	53.03	-20.97	74.00	44.29	34.99	6.33	32.58	100	0 Peak
11	6894.000	40.12	-13.88	54.00	31.38	34.99	6.33	32.58	102	4 Average
12	8774.000	55.59	-18.41	74.00	45.23	37.82	7.16	34.62	100	0 Peak
13	8774.000	45.23	-8.77	54.00	34.87	37.82	7.16	34.62	100	318 Average
14	11658.000	53.09	-20.91	74.00	90.69	-11.10	7.86	34.36	100	0 Peak
15	11658.000	33.54	-20.46	54.00	71.14	-11.10	7.86	34.36	100	177 Average
16	17478.000	56.39	-17.61	74.00	92.57	-12.12	9.64	33.71	100	0 Peak
17	17478.000	37.14	-16.86	54.00	73.32	-12.12	9.64	33.71	100	133 Average

Remark: #8 and #9 Fundamental Signal



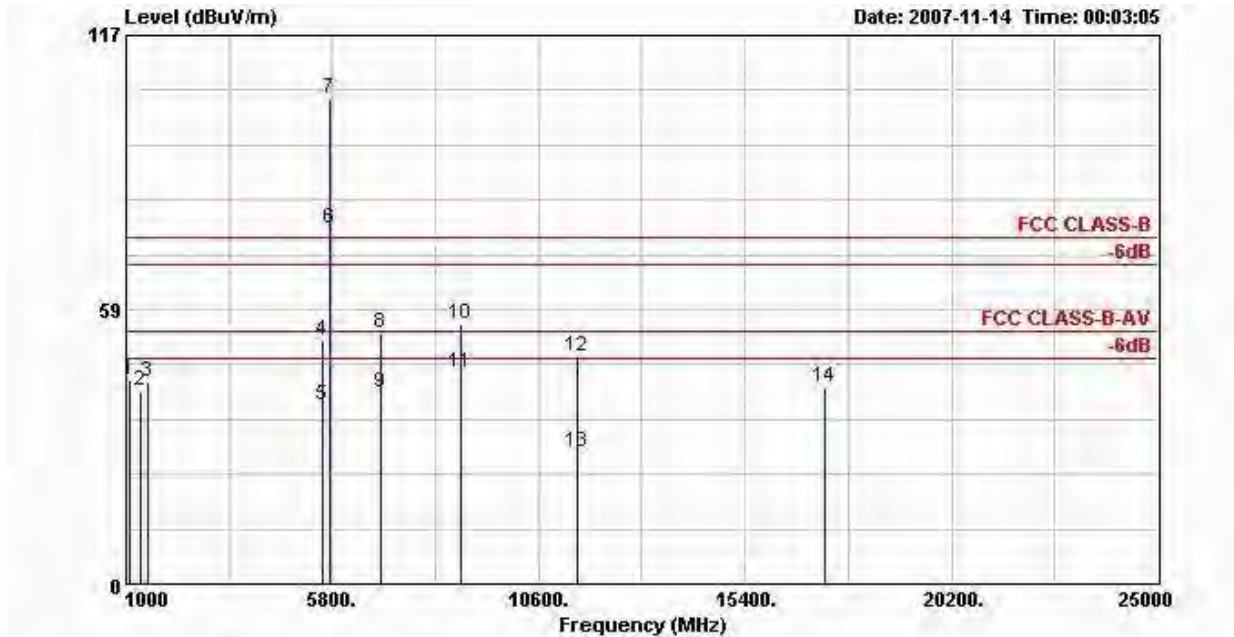
- Test Mode : Mode 16
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch151;5755MHz
 Data Rate: 54

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark	
			dB	dBuV/m	dBuV	dB/m	dE	dB	cm	deg	
1 !	32.970	34.73	-5.27	40.00	45.77	16.33	0.90	28.26	100	285 Peak	
2	190.650	29.01	-14.49	43.50	46.13	8.88	1.84	27.84	---	---	Peak
3	287.850	31.15	-14.85	46.00	44.21	12.37	2.19	27.62	---	---	Peak
4	332.200	28.58	-17.42	46.00	40.61	13.45	2.35	27.82	---	---	Peak
5	374.200	27.52	-18.48	46.00	38.27	14.88	2.49	28.12	---	---	Peak
6	959.400	29.32	-16.68	46.00	29.00	25.01	3.99	28.68	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch151;5755MHz
 Data Rate: 54

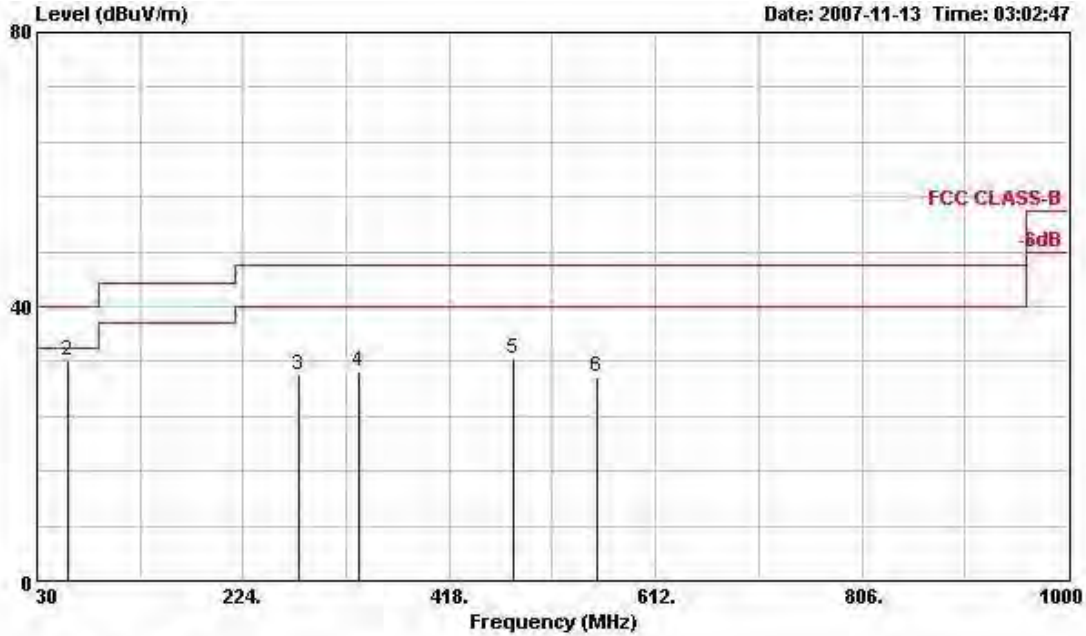
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1100.000	43.65	-30.35	74.00	51.31	24.27	2.34	34.26	100	0	Peak
2	1332.000	41.05	-32.95	74.00	47.50	24.90	2.60	33.95	100	0	Peak
3	1500.000	43.17	-30.83	74.00	48.79	25.30	2.79	33.70	100	0	Peak
4	5558.000	52.07	-21.93	74.00	46.31	33.83	6.01	34.09	100	0	Peak
5	5558.000	38.01	-15.99	54.00	32.25	33.83	6.01	34.09	100	304	Average
6 X	5755.000	76.00			70.07	33.96	6.02	34.05	100	304	Average
7 @	5755.000	103.48			97.55	33.96	6.02	34.05	100	0	Peak
8	6942.000	53.37	-20.63	74.00	44.47	35.10	6.34	32.54	100	0	Peak
9	6942.000	40.67	-13.33	54.00	31.77	35.10	6.34	32.54	100	304	Average
10	8772.000	55.45	-18.55	74.00	45.09	37.82	7.16	34.62	100	0	Peak
11	8772.000	45.09	-8.91	54.00	34.73	37.82	7.16	34.62	100	165	Average
12	11514.000	48.43	-25.57	74.00	86.64	-11.76	7.85	34.30	100	0	Peak
13	11514.000	28.14	-25.86	54.00	66.35	-11.76	7.85	34.30	100	314	Average
14	17265.000	41.93	-32.07	74.00	77.45	-11.19	9.46	33.79	100	0	Peak

Remark: #6 and #7 Fundamental Signal



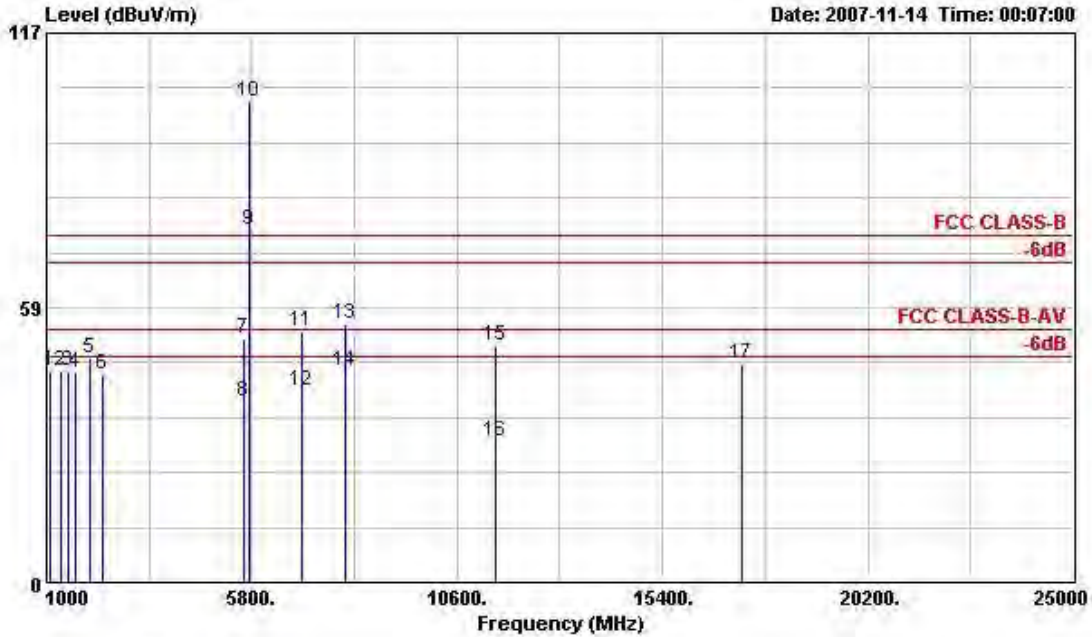
- Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch151;5755MHz
 Data Rate: 54

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.810	36.43	-3.57	40.00	47.44	16.36	0.88	28.25	100	196	Peak
2	58.890	32.16	-7.84	40.00	55.58	3.76	1.10	28.28	---	---	Peak
3	275.970	30.10	-15.90	46.00	43.16	12.43	2.15	27.65	---	---	Peak
4	332.200	30.49	-15.51	46.00	42.52	13.45	2.35	27.82	---	---	Peak
5	478.500	32.47	-13.53	46.00	41.89	16.65	2.77	28.85	---	---	Peak
6	556.900	29.61	-16.39	46.00	37.06	18.59	3.02	29.06	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 1ln(a) Tx(40M)_Ch151;5755MHZ
 Data Rate: 54

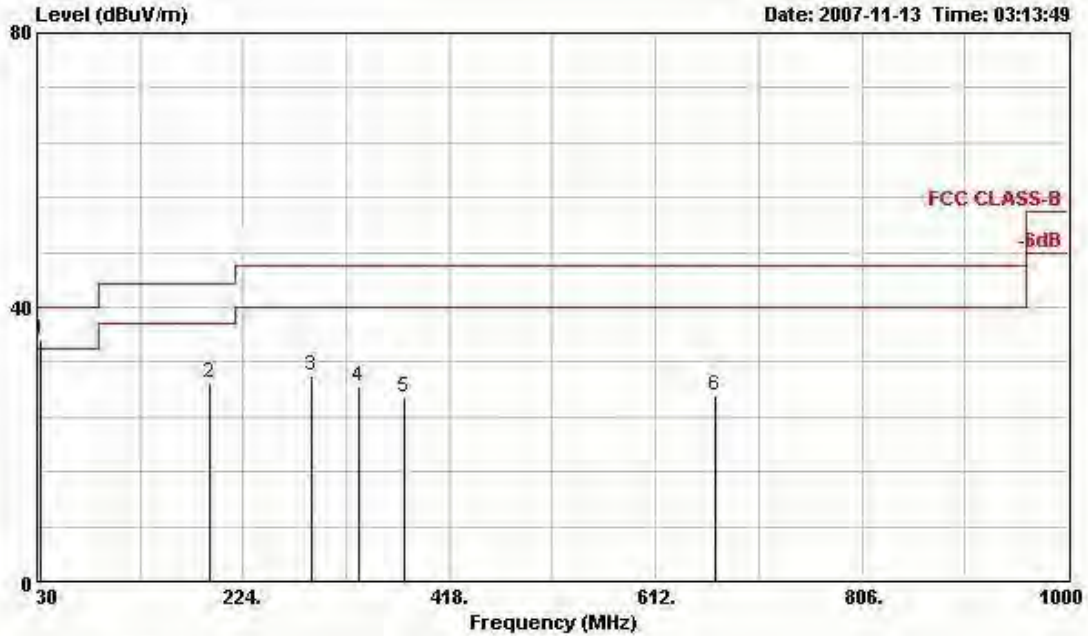
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1100.000	44.92	-29.08	74.00	52.58	24.27	2.34	34.26	100	0	Peak
2	1332.000	44.97	-29.03	74.00	51.42	24.90	2.60	33.95	100	0	Peak
3	1500.000	45.03	-28.97	74.00	50.65	25.30	2.79	33.70	100	0	Peak
4	1668.000	44.56	-29.44	74.00	49.36	25.93	2.97	33.70	100	0	Peak
5	1996.000	47.56	-26.44	74.00	50.72	27.20	3.34	33.70	100	0	Peak
6	2332.000	44.09	-29.91	74.00	46.25	27.92	3.69	33.77	100	0	Peak
7	5622.000	51.99	-22.01	74.00	46.18	33.87	6.02	34.08	100	0	Peak
8	5622.000	38.32	-15.68	54.00	32.51	33.87	6.02	34.08	100	327	Average
9 X	5755.000	75.17			69.24	33.96	6.02	34.05	100	327	Average
10 @	5755.000	102.23			96.30	33.96	6.02	34.05	100	0	Peak
11	6974.000	53.41	-20.59	74.00	44.45	35.13	6.35	32.52	100	0	Peak
12	6974.000	40.81	-13.19	54.00	31.85	35.13	6.35	32.52	100	327	Average
13	7982.000	55.07	-18.93	74.00	45.14	36.79	6.75	33.61	100	0	Peak
14	7982.000	45.14	-8.86	54.00	35.21	36.79	6.75	33.61	100	47	Average
15	11514.000	50.25	-23.75	74.00	88.46	-11.76	7.85	34.30	100	0	Peak
16	11514.000	30.02	-23.98	54.00	68.23	-11.76	7.85	34.30	100	178	Average
17	17262.000	46.39	-27.61	74.00	81.91	-11.19	9.46	33.79	100	0	Peak

Remark: #9 and #10 Fundamental Signal



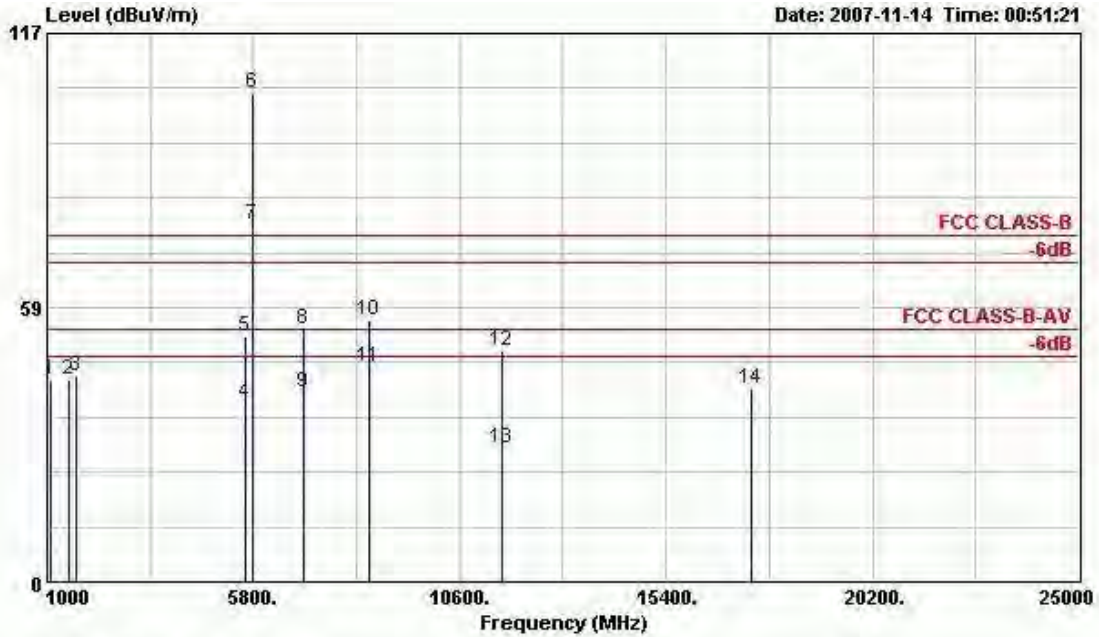
- Test Mode : Mode 17
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch159;5795MHz
 Data Rate: 54

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	32.970	35.15	-4.85	40.00	46.19	16.33	0.90	28.26	100	51	Peak
2	192.540	28.88	-14.62	43.50	46.02	8.85	1.84	27.83	---	---	Peak
3	287.850	30.07	-15.93	46.00	43.13	12.37	2.19	27.62	---	---	Peak
4	332.200	28.34	-17.66	46.00	40.37	13.45	2.35	27.82	---	---	Peak
5	374.900	26.72	-19.28	46.00	37.44	14.92	2.49	28.13	---	---	Peak
6	668.200	27.09	-18.91	46.00	32.68	20.06	3.45	29.10	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch159;5795MHz
 Data Rate: 54

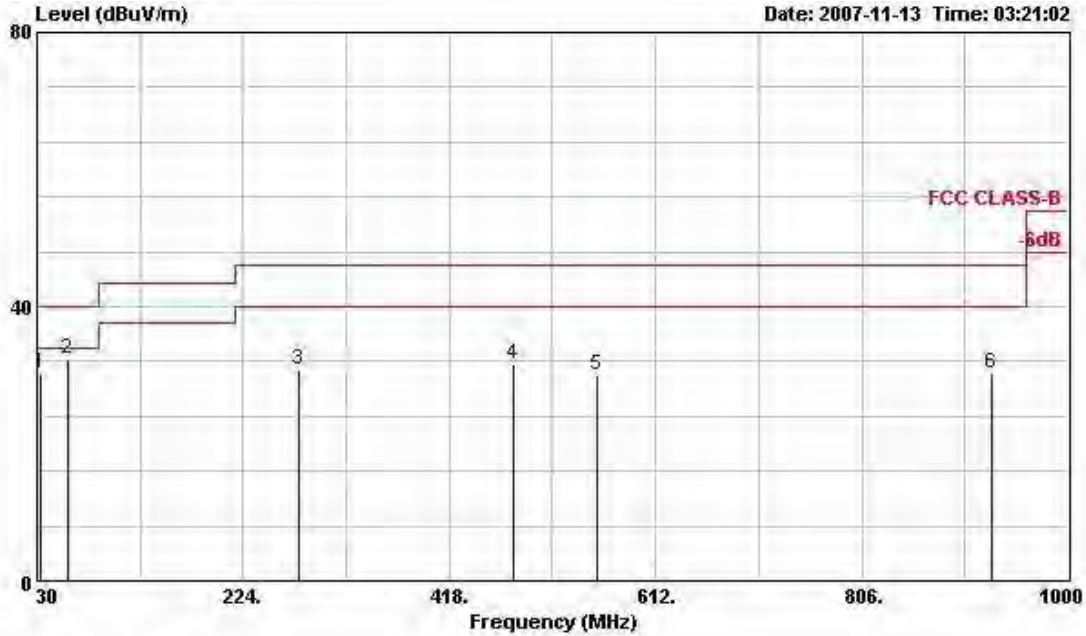
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1086.000	42.93	-31.07	74.00	50.67	24.22	2.34	34.30	100	0	Peak
2	1500.000	43.14	-30.86	74.00	48.76	25.30	2.79	33.70	100	0	Peak
3	1668.000	44.04	-29.96	74.00	48.84	25.93	2.97	33.70	100	0	Peak
4	5622.000	38.15	-15.85	54.00	32.34	33.87	6.02	34.08	100	303	Average
5	5622.000	52.27	-21.73	74.00	46.46	33.87	6.02	34.08	100	0	Peak
6 @	5795.000	104.43			98.47	33.98	6.02	34.04	100	0	Peak
7 X	5795.000	76.04			70.08	33.98	6.02	34.04	100	303	Average
8	6964.000	53.88	-20.12	74.00	44.93	35.13	6.34	32.52	100	0	Peak
9	6964.000	40.59	-13.41	54.00	31.64	35.13	6.34	32.52	100	303	Average
10	8508.000	55.76	-18.24	74.00	45.62	37.52	7.02	34.40	100	0	Peak
11	8508.000	45.61	-8.39	54.00	35.47	37.52	7.02	34.40	100	188	Average
12	11586.000	49.15	-24.85	74.00	87.03	-11.40	7.85	34.33	100	0	Peak
13	11586.000	28.54	-25.46	54.00	66.42	-11.40	7.85	34.33	100	187	Average
14	17397.000	41.24	-32.76	74.00	77.20	-11.78	9.56	33.74	100	0	Peak

Remark: #6 and #7 Fundamental Signal



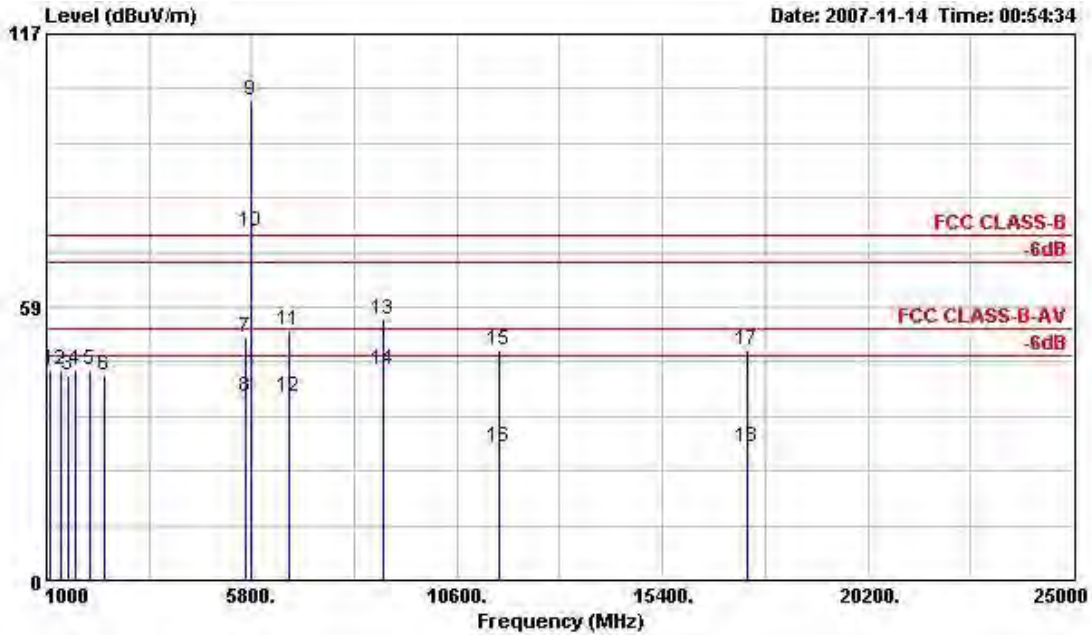
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a) Tx(40M)_Ch159;5795MHz
 Data Rate: 54

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.700	30.22	-9.78	40.00	41.26	16.33	0.90	28.26	---	---	Peak
2	58.890	32.32	-7.68	40.00	55.74	3.76	1.10	28.28	100	236	Peak
3	275.970	30.84	-15.16	46.00	43.90	12.43	2.15	27.65	---	---	Peak
4	478.500	31.49	-14.51	46.00	40.91	16.65	2.77	28.85	---	---	Peak
5	556.900	30.11	-15.89	46.00	37.56	18.59	3.02	29.06	---	---	Peak
6	928.600	30.15	-15.85	46.00	30.70	24.23	3.97	28.74	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 1ln(a) Tx(40M)_Ch159;5795MHz
 Data Rate: 54

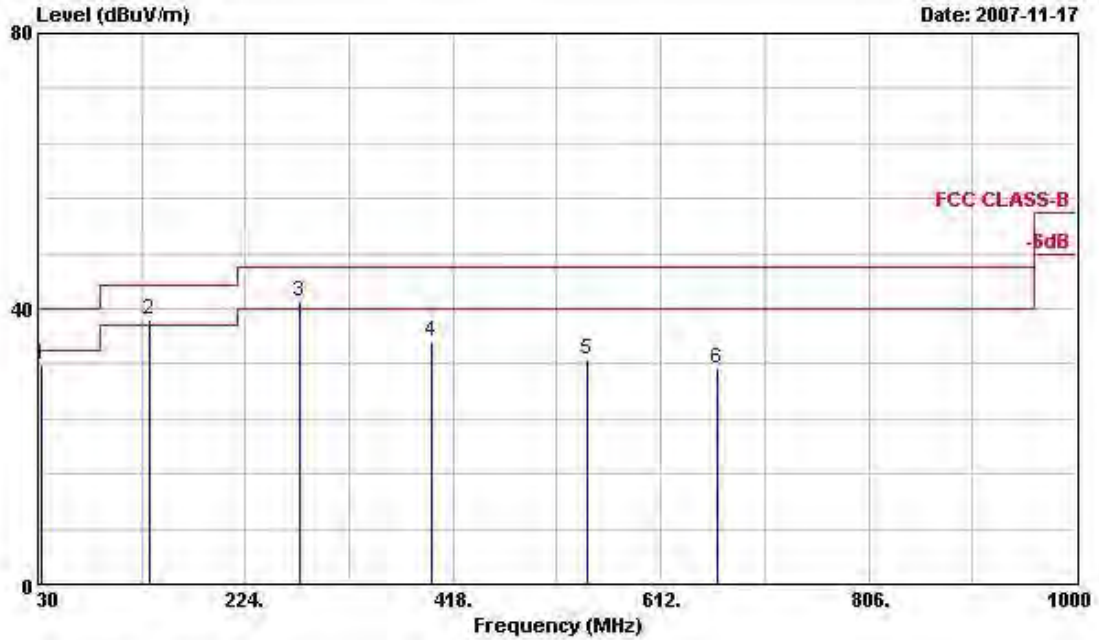
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1100.000	45.19	-28.81	74.00	52.85	24.27	2.34	34.26	100	0	Peak
2	1326.000	45.06	-28.94	74.00	51.55	24.85	2.60	33.95	100	0	Peak
3	1500.000	43.90	-30.10	74.00	49.52	25.30	2.79	33.70	100	0	Peak
4	1662.000	44.91	-29.09	74.00	49.71	25.93	2.97	33.70	100	0	Peak
5	1998.000	45.05	-28.95	74.00	48.21	27.20	3.34	33.70	100	0	Peak
6	2334.000	43.85	-30.15	74.00	46.01	27.92	3.69	33.77	100	0	Peak
7	5638.000	52.05	-21.95	74.00	46.22	33.88	6.02	34.07	100	0	Peak
8	5638.000	39.22	-14.78	54.00	33.26	33.98	6.02	34.04	100	327	Average
9 @	5795.000	102.57			96.61	33.98	6.02	34.04	100	0	Peak
10 X	5795.000	74.68			68.72	33.98	6.02	34.04	100	327	Average
11	6686.000	53.32	-20.68	74.00	45.27	34.54	6.26	32.75	100	0	Peak
12	6686.000	39.41	-14.59	54.00	31.36	34.54	6.26	32.75	100	327	Average
13	8876.000	55.65	-18.35	74.00	45.20	37.94	7.21	34.70	100	0	Peak
14	8876.000	45.20	-8.80	54.00	34.75	37.94	7.21	34.70	100	175	Average
15	11586.000	49.25	-24.75	74.00	87.13	-11.40	7.85	34.33	100	0	Peak
16	11586.000	28.31	-25.69	54.00	66.19	-11.40	7.85	34.33	100	247	Average
17	17394.000	49.11	-24.89	74.00	85.02	-11.74	9.56	33.74	100	0	Peak
18	17394.000	28.51	-25.49	54.00	64.42	-11.74	9.56	33.74	100	277	Average

Remark: #9 and #10 Fundamental Signal



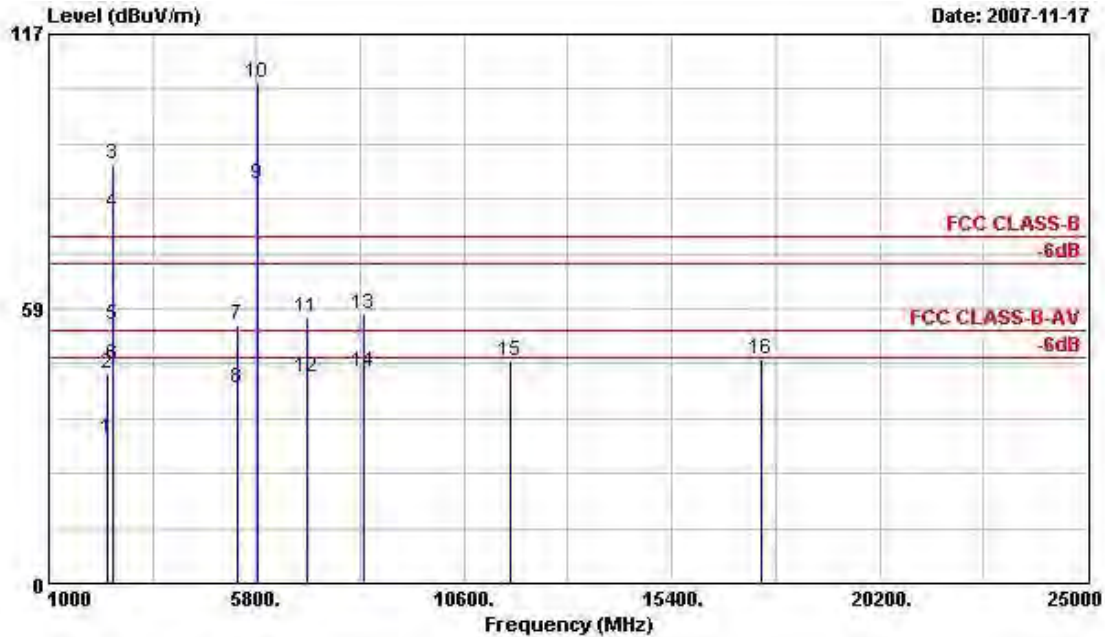
- Test Mode : Mode 18
- Polarization : Horizontal

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a)Tx(20M)_Ch165+BT Tx_Ch78 + Adaptor
 Data Rate: WLAN:36 BT:DH5

	Freq	Level	Over Limit	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	32.970	31.87	-8.13	40.00	42.91	16.33	0.90	28.26	---	Peak
2	134.490	38.29	-5.21	43.50	53.74	11.02	1.59	28.06	---	Peak
3	273.810	40.97	-5.03	46.00	54.03	12.45	2.14	27.65	100	184 Peak
4	397.300	35.29	-10.71	46.00	45.32	15.68	2.57	28.28	---	Peak
5	542.900	32.52	-13.48	46.00	40.40	18.19	2.97	29.04	---	Peak
6	665.400	31.31	-14.69	46.00	36.91	20.06	3.45	29.10	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-10094 HORIZONTAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 1ln(a)Tx(20M)_Ch165+BT Tx_Ch78 + Adaptor
 Data Rate: WLAN:36 ET:DH5

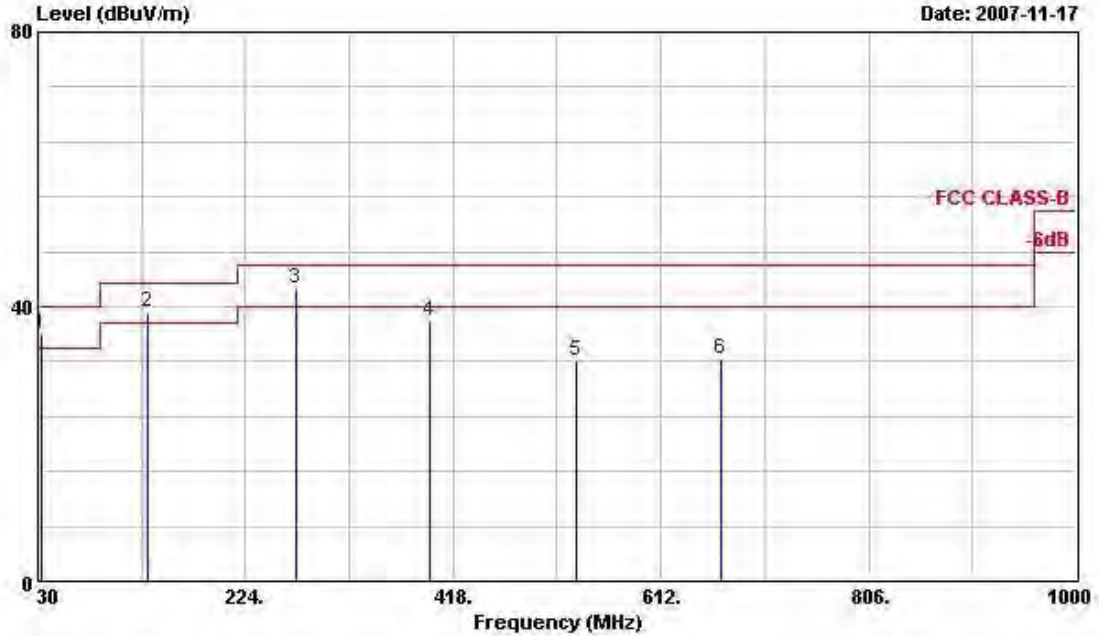
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2340.000	30.70	-23.30	54.00	30.26	30.52	3.69	33.77	100	97	Average
2	2340.000	44.68	-29.32	74.00	44.24	30.52	3.69	33.77	100	0	Peak
3 X	2480.000	89.36			88.99	30.32	3.84	33.80	100	0	Peak
4 X	2480.000	79.03			78.66	30.32	3.84	33.80	100	97	Average
5	2483.500	55.07	-18.93	74.00	54.70	30.32	3.84	33.80	100	0	Peak
6	2483.500	46.53	-7.47	54.00	46.16	30.32	3.84	33.80	100	97	Average
7	5340.000	54.92	-19.08	74.00	47.58	35.50	6.00	34.16	100	0	Peak
8	5340.000	41.72	-12.28	54.00	34.38	35.50	6.00	34.16	100	61	Average
9 X	5825.000	84.89			77.01	35.90	6.02	34.04	100	61	Average
10 X	5825.000	106.45			98.57	35.90	6.02	34.04	100	0	Peak
11	6966.000	56.56	-17.44	74.00	43.71	39.02	6.35	32.52	100	0	Peak
12	6966.000	44.03	-9.97	54.00	31.18	39.02	6.35	32.52	100	61	Average
13	8278.000	57.49	-16.51	74.00	45.11	39.50	6.90	34.02	100	0	Peak
14	8278.000	45.11	-8.89	54.00	32.73	39.50	6.90	34.02	100	145	Average
15	11658.000	47.22	-26.78	74.00	84.82	-11.10	7.86	34.36	100	0	Peak
16	17481.000	47.91	-26.09	74.00	84.09	-12.12	9.64	33.71	100	0	Peak

Remark: #3, #4, #9 and #10 Fundamental Signal



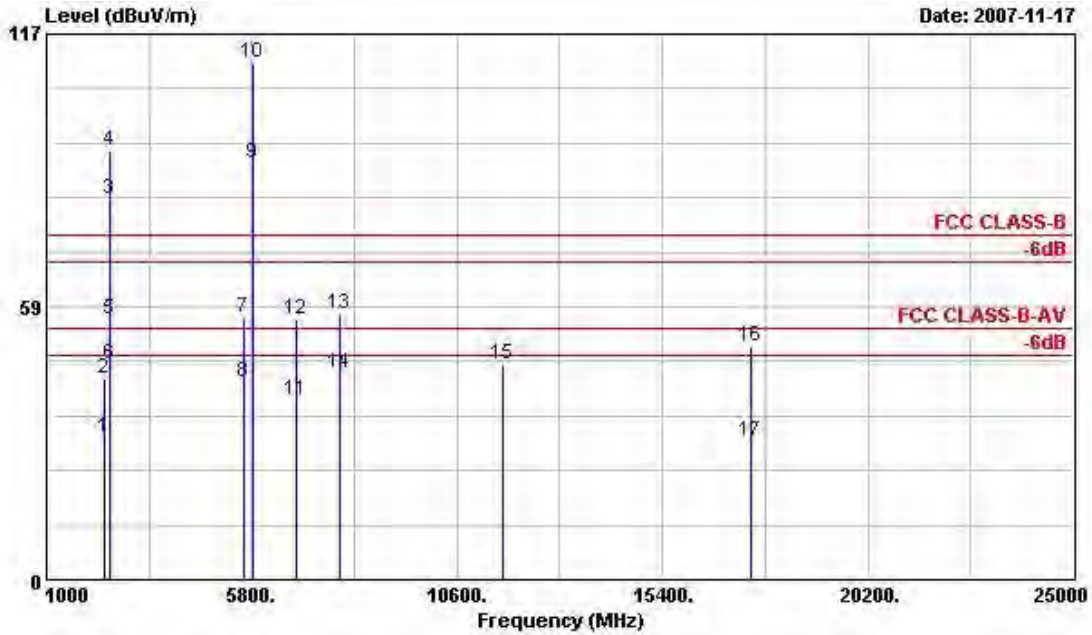
• Polarization : Vertical

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



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : N/E
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 11n(a)Tx(20M)_Ch165+BT Tx_Ch78 + Adaptor
 Data Rate: WLAN:36 BT:DH5

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.970	36.01	-3.99	40.00	47.05	16.33	0.90	28.26	---	---	Peak
2	133.140	39.15	-4.35	43.50	54.44	11.20	1.58	28.07	---	---	Peak
3	270.570	42.60	-3.40	46.00	55.67	12.46	2.13	27.66	100	214	Peak
4	396.600	37.82	-8.18	46.00	47.88	15.65	2.57	28.28	---	---	Peak
5	533.800	32.04	-13.96	46.00	40.24	17.90	2.94	29.03	---	---	Peak
6	668.200	32.39	-13.61	46.00	37.98	20.06	3.45	29.10	---	---	Peak



Site : 03CHO4-HY
 Condition: FCC CLASS-B 3m HF-ANT-10094 VERTICAL
 EUT : N/B
 POWER : 120Vac/60Hz
 MODEL : FR 701819
 MEMO : 1ln(a)Tx(20M)_Ch165+BT Tx_Ch78 + Adaptor
 Data Rate: WLAN:36 BT:DH5

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Factor	Pos	Pos	Remark
					dBuV	dB/m	dB	dB	cm	deg	
1	2350.000	30.60	-23.40	54.00	30.16	30.52	3.69	33.77	100	88	Average
2	2350.000	42.98	-31.02	74.00	42.54	30.52	3.69	33.77	100	0	Peak
3 X	2480.000	81.55			81.18	30.32	3.84	33.80	100	88	Average
4 X	2480.000	92.03			91.66	30.32	3.84	33.80	100	0	Peak
5	2483.500	55.77	-18.23	74.00	55.40	30.32	3.84	33.80	100	0	Peak
6	2483.500	46.25	-7.75	54.00	45.88	30.32	3.84	33.80	100	88	Average
7	5622.000	56.13	-17.87	74.00	48.42	35.77	6.02	34.08	100	0	Peak
8	5622.000	42.17	-11.83	54.00	34.46	35.77	6.02	34.08	100	13	Average
9 X	5825.000	89.30			81.42	35.90	6.02	34.04	100	13	Average
10 @	5825.000	110.83			102.95	35.90	6.02	34.04	100	0	Peak
11	6854.000	38.39	-15.61	54.00	30.51	35.90	6.02	34.04	100	13	Average
12	6854.000	55.85	-18.15	74.00	43.75	38.39	6.31	32.61	100	0	Peak
13	7878.000	56.94	-17.06	74.00	44.40	39.48	6.71	33.65	100	0	Peak
14	7878.000	44.40	-9.60	54.00	31.86	39.48	6.71	33.65	100	284	Average
15	11649.000	46.37	-27.63	74.00	84.02	-11.14	7.86	34.36	100	0	Peak
16	17469.000	49.90	-24.10	74.00	86.06	-12.07	9.62	33.71	100	0	Peak
17	17469.000	29.62	-24.38	54.00	65.78	-12.07	9.62	33.71	100	168	Average

Remark: #3, #4, #9 and # 10 Fundamental Signal



5.8 Antenna Requirements

5.8.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.8.2 Antenna Connected Construction

The antenna used in this product is PIFA antenna for WLAN without connector and it is considered to meet antenna requirement of FCC.

5.8.3 Antenna Gain

The antenna gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



6. List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100359	9kHz – 2.75GHz	Mar. 01, 2007	Feb. 29, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2007	Mar. 30, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2007	Mar. 21, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2007	Apr. 19, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz –30MHz	Mar. 09, 2007	Mar. 08, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH04-HY	30 MHz - 1 GHz 3m	Oct. 29, 2007	Oct. 28, 2008	Radiation (03CH04-HY)
Amplifier	HP	87405A	3950M00135	10MHz - 3 GHz	Mar. 02, 2007	Mar. 01, 2008	Radiation (03CH04-HY)
Spectrum Analyzer	R&S	FSP30	100792	9 kHz – 30GHz	Dec. 13, 2006	Dec. 12, 2007	Radiation (03CH04-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2724	30 MHz - 1 GHz	Aug. 13, 2007	Aug. 12 2008	Radiation (03CH04-HY)
Turn Table	HD	Deis HD 2000	420/610	0 - 360 degree	N/A	N/A	Radiation (03CH04-HY)
Antenna Mast	Chaintek	3000	N/A	1 m - 4 m	N/A	N/A	Radiation (03CH04-HY)
RF Cable-R03m	Suhner Switzerland + RFIDEN	RG223/U +RG8/U	CB024	30 MHz - 1 GHz	Sep. 20, 2007	Sep. 19, 2008	Radiation (03CH04-HY)
Isolation Transformer	Erika FiedLer OHG	D-65396 Walluf	N/A	45 MHz – 2.15 GHz 30dB	N/A	N/A	Radiation (03CH04-HY)



7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
Combined standard uncertainty Uc(y)	1.13		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.26		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.11	Normal(k=2)	0.06
Antenna factor calibration	0.91	Normal(k=2)	0.46
Cable loss calibration	0.12	Normal(k=2)	0.06
Pre Amplifier Gain calibration	0.15	Normal(k=2)	0.08
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.52	Rectangular	0.88
Mismatch	+0.45/-0.48	U-shaped	0.33
Combined standard uncertainty Uc(y)	1.30		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.60		



Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty $U_c(y)$	2.36				
Measuring uncertainty for a level of confidence of 95% $U = 2U_c(y)$	4.72				

The measured result is : y dBuV $\pm U$ dB
for a level of confidence of approximately 95% , ($k = 2$)



Appendix A. Photographs of EUT

Please refer to Sporton report number EP980406 as below.