

Prüfbericht - Nr.: 17013660 001 <i>Test Report No.:</i>			Seite 1 von 199 <i>Page 1 of 199</i>		
Auftraggeber: Eastman Kodak Company <i>Client:</i> 1999 Lake Avenue, Rochester NY 14650-2208					
Gegenstand der Prüfung: Kodak PULSE Digital Frame <i>Test item:</i>					
Bezeichnung: W730 <i>Identification:</i>		Serien-Nr.: n.a. <i>Serial No.:</i>			
Wareneingangs-Nr.: 16305443 <i>Receipt No.:</i>		Eingangsdatum: 2009-09-07 <i>Date of receipt:</i>			
Prüfort: TÜV Rheinland (Guangdong) Ltd. <i>Testing location:</i> EMC Laboratory Shenzhen Academy of Metrology and Quality Inspection Refer to Clause 2.1 for details					
Prüfgrundlage: <i>Test specification:</i>		FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.209 FCC CFR47 Part 15: Subpart B Section 15.107 FCC CFR47 Part 15: Subpart B Section 15.109 RSS-210 Issue 7 June 2007 RSS Gen Issue 2 June 2007 RSS-102 Issue 2 November, 2005			
Prüfergebnis: <i>Test Result:</i>		Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>			
Prüflaboratorium: TÜV Rheinland (Shenzhen) Co., Ltd. <i>Testing Laboratory:</i>					
geprüft/ tested by:			kontrolliert/ reviewed by:		
 2009-12-03 Winnie Hou/ Project Engineer			 2009-12-08 Sam Lin/ Technical Certifier		
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:					
Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet			Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>					

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Passed***5.1.2 PEAK OUTPUT POWER***RESULT: Passed***5.1.3 6dB BANDWIDTH***RESULT: Passed***5.1.4 100kHz BANDWIDTH OF FREQUENCY BAND EDGE***RESULT: Passed***5.1.5 POWER SPECTRAL DENSITY***RESULT: Passed***5.1.6 SPURIOUS EMISSION***RESULT: Passed***5.1.7 RESTRICTED BANDS***RESULT: Passed***5.1.8 RADIATED EMISSIONS***RESULT: Passed***5.1.9 CONDUCTED EMISSIONS***RESULT: Passed*

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Guangdong) Ltd.
EMC Laboratory

(FCC Registration No.: 833845 & Test Site Industry Canada No.: 2932C-1)

Guangzhou Auto Market,
Yuan Gang Section of Guangshan Road,
Guangzhou, P.R. China

Shenzhen Academy of Metrology and Quality Inspection

(FCC Registration No.: 274801 & Test Site Industry Canada No.: 4174A-1)

Bldg. of Academy of Metrology and Quality Inspection
Longzhu Road, Nanshan District
Shenzhen, P. R. China

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Spurious emission and Radiated emission				
EMI Test Receiver	Rohde & Schwarz	ESCI-3	100216	2010-11-26
Spectrum Analyzer	Rohde & Schwarz	FSP30	100286	2010-08-24
Trilog-Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	209	2010-11-07
Double-Ridged Waveguide Horn Antenna	Rohde & Schwarz	HF906	100385	2010-08-18
Pre-amplifier	MITEQ	AFS42-00101800-25-S-42	1101599	2010-07-31
Standard Gain Horn Antenna	EMCO	3160-09	21642	N/A
Pre-amplifier	MITEQ	AFS33-18002650-30-8P-44	1108282	2010-07-31
3m Anechoic Chamber	Albatross GmbH Project	N/A	N/A	2010-04-16
Radio Test Suite				
Spectrum Analyzer	Rohde & Schwarz	FSEM	848597/001	2010-04-21
Power Supply	LRTEAC	TDGC2-10	0205086	2010-08-06
Conducted Emission				
Receiver	Rohde & Schwarz	EH3	860905/006	2010-04-24
Artificial Mains Network	Rohde & Schwarz	ESH3-Z5	100294	2010-04-24
Radiated Emission				
Receiver	Rohde & Schwarz	ESPI 3	100379	2010-04-24
Ultra Broadband ANTENNA	Rohde & Schwarz	HL562	100157	2010-04-24
Radiated Emission below 30MHz				
Receiver	Rohde & Schwarz	ESI26	838786/013	2010-01-23
Loop Field Strength Antenna	SCHWARZBECK	FMZB1516	113	2011-01-24
3m Anechoic Chamber	Albatross GmbH Project	N/A	N/A	2011-01-30

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are $\pm 3\text{dB}$.

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix 1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Guangdong) Ltd. test facility and Shenzhen Academy of Metrology and Quality Inspection are listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is Kodak PULSE Digital Frame, model W730 is a display product with WiFi module. The Wi-Fi is designed for IEEE802.11b/g wireless local area network (WLANs) applications. This product will provide the basic value proposition of viewing user picture & video on a screen larger than the back of the camera without having to sit in front of the PC. For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment:	Kodak PULSE Digital Frame
Type Designation:	W730
FCC ID	PA4PUL730
IC ID	1016B-PUL730
Rated Input Power	DC 5V (via AC/DC adapter)
Rated input Current	1.5A

Table 3: Technical Specification of WiFi module (802.11b/g)

Item	Description	
	IEEE 802.11b	IEEE 802.11g
Operating Frequency band	2400 – 2483.5 MHz	
Channel Number	11	
Channel Bandwidth (MHz)	20	
Modulation	CCK/DSSS	OFDM
Data Rate (Mbps)	1/2/5.5/11	6/9/12/18/24/36/48/54
Antenna	Integrated Antenna	
Antenna Gain (dBi)	2.0	

Table 4: Technical Specification of Carrier Frequency

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
2400 – 2483.5 MHz	1	2412 MHz	7	2437 MHz
	2	2417 MHz	8	2447 MHz
	3	2422 MHz	9	2452 MHz
	4	2427 MHz	10	2457 MHz
	5	2432 MHz	11	2462 MHz
	6	2437 MHz		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Wi-Fi mode
 - a. transmitting
 - b. receiving
 - 2. PLAY USB Card mode
 - 3. PLAY Memory Card mode
- B. Stand by
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2003.

4.3 Special Accessories and Auxiliary Equipment

Table 5: Interfaces and Cables

Description	Specification	Length
USB port	USB Host interface, 4 cores, shielded	--
SD/SDHC/MMC/M S/XD Card slot	Memory card interface	--
MS/MS Pro Duo Card slot	Memory card interface	--

Table 6: Test Auxiliary Equipments

Description	Manufacturer	Model	Specification
AC/DC Adaptor	WANLIDA Group Co., Ltd.	MPA-05015	Input voltage: AC 100-240V 50/60Hz Output voltage: DC 5V 1.5A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

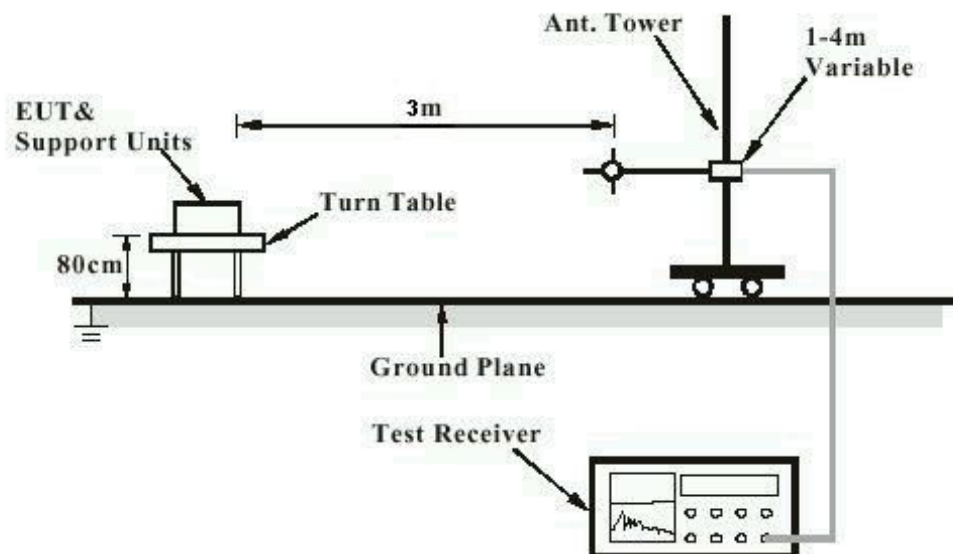


Diagram of Measurement Equipment Configuration for Conduction Measurement

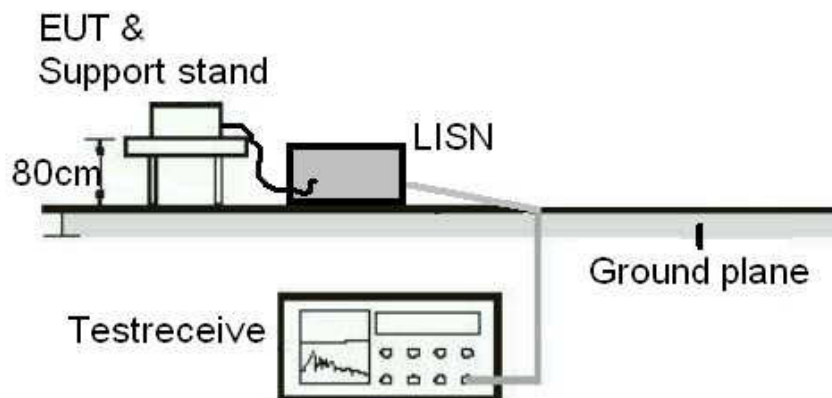
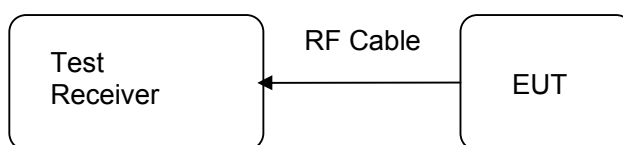


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Passed**

Test date	:	2009-11-05
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS Gen 7.1.4
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 2.0dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Table 9: Test result of Peak Output Power, 802.11b 11Mbps

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2412	18.03	0.063	1
Middle Channel	2437	21.16	0.130	1
High Channel	2462	20.37	0.108	1

Table 10: Test result of Peak Output Power, 802.11g 6Mbps

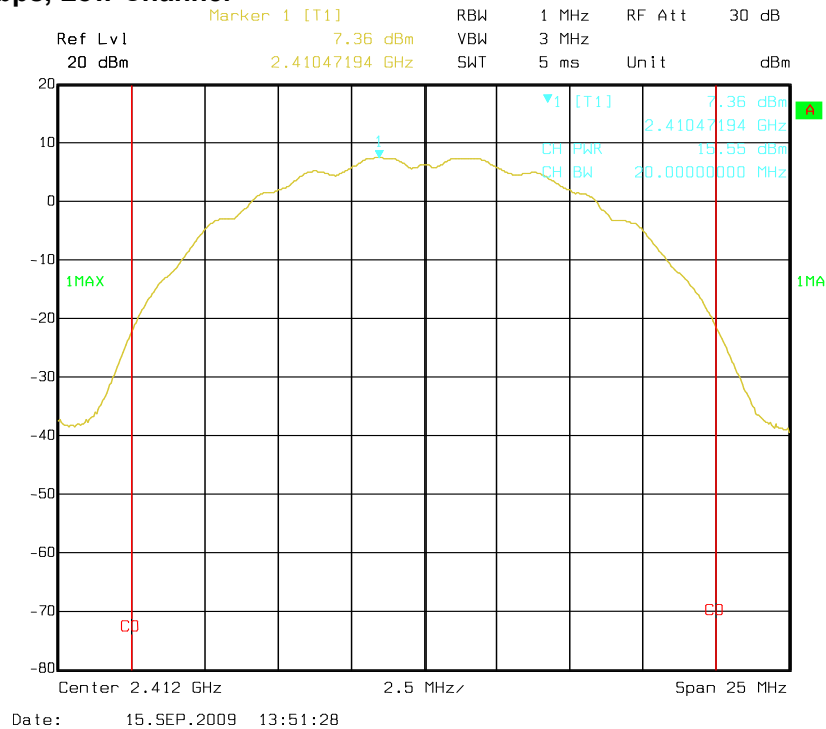
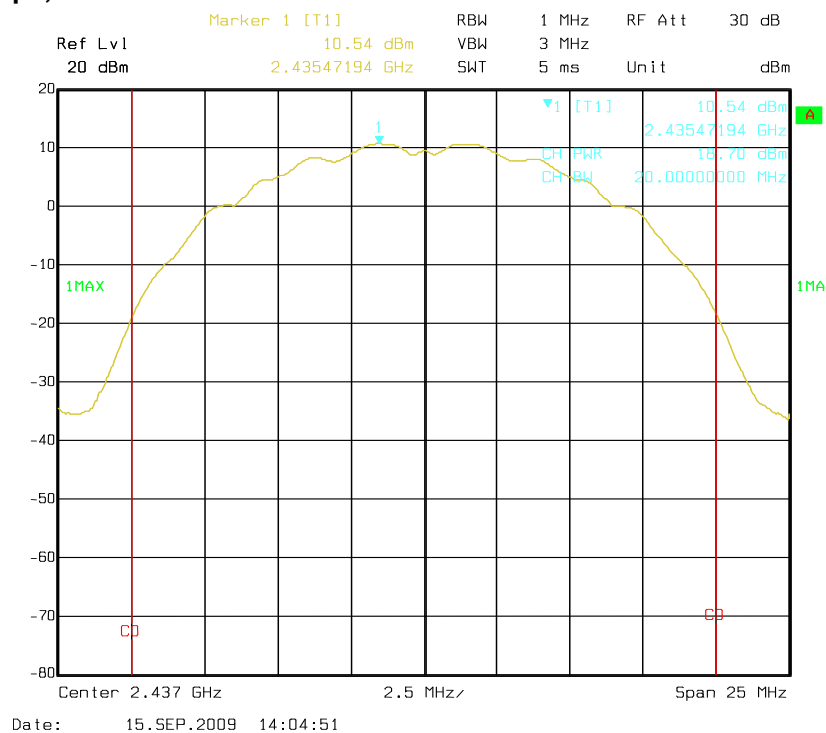
Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2412	18.70	0.074	1
Middle Channel	2437	21.70	0.147	1
High Channel	2462	21.01	0.126	1

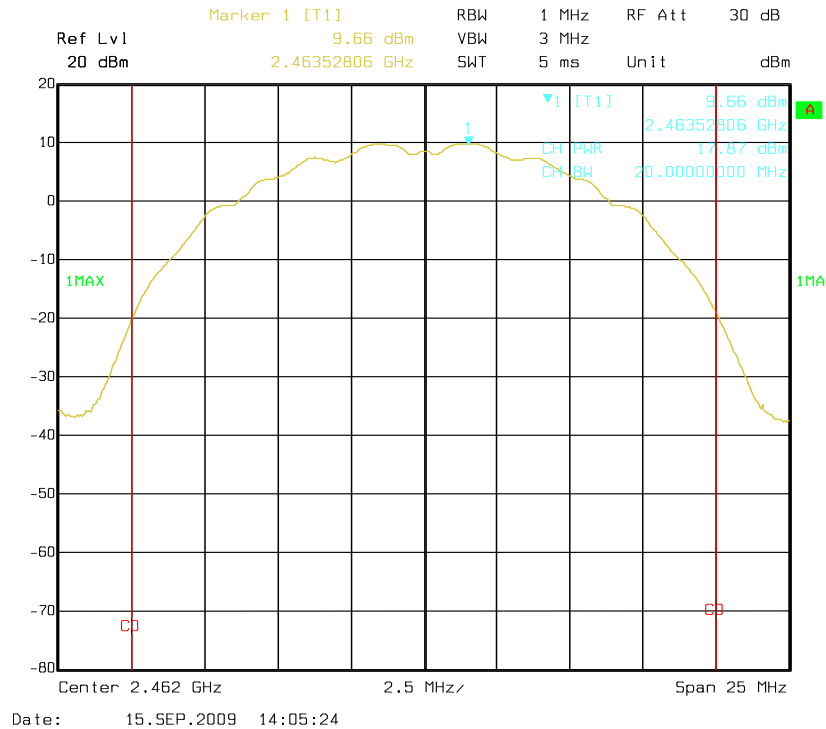
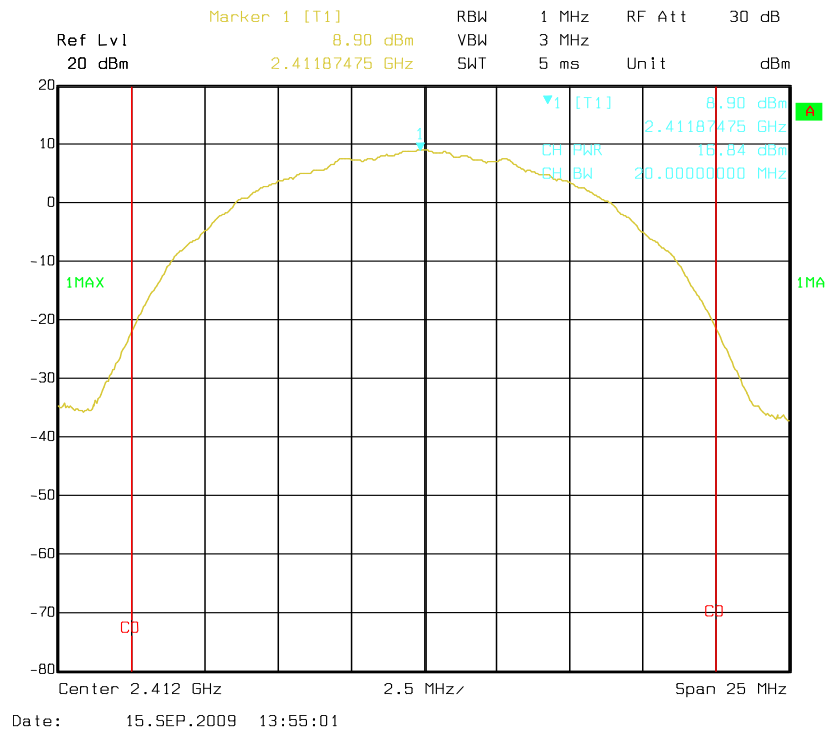
Table 11: Test result of Peak Output Power, 802.11g 24Mbps

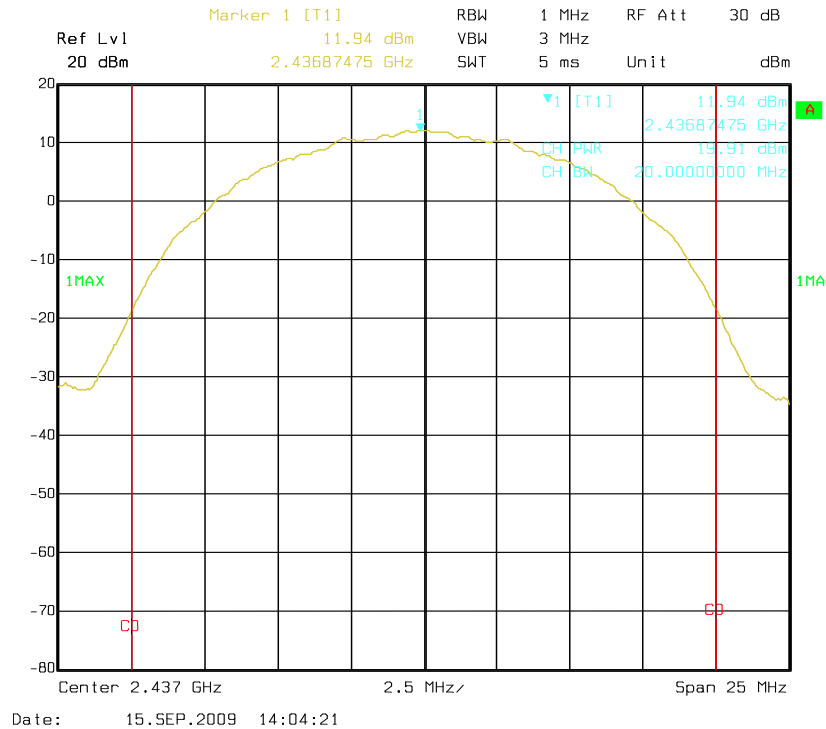
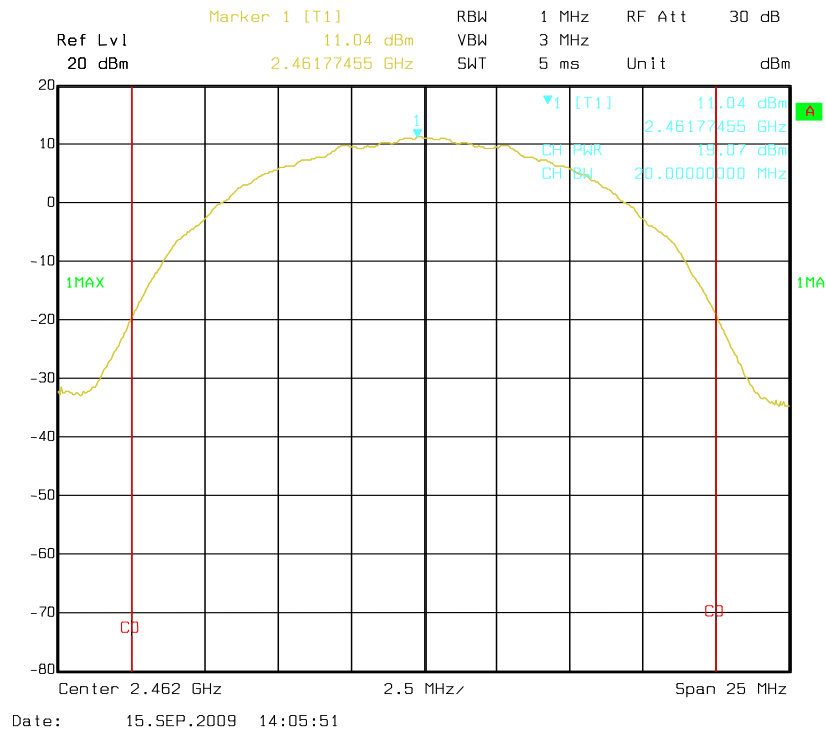
Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2412	19.39	0.086	1
Middle Channel	2437	22.27	0.168	1
High Channel	2462	21.62	0.145	1

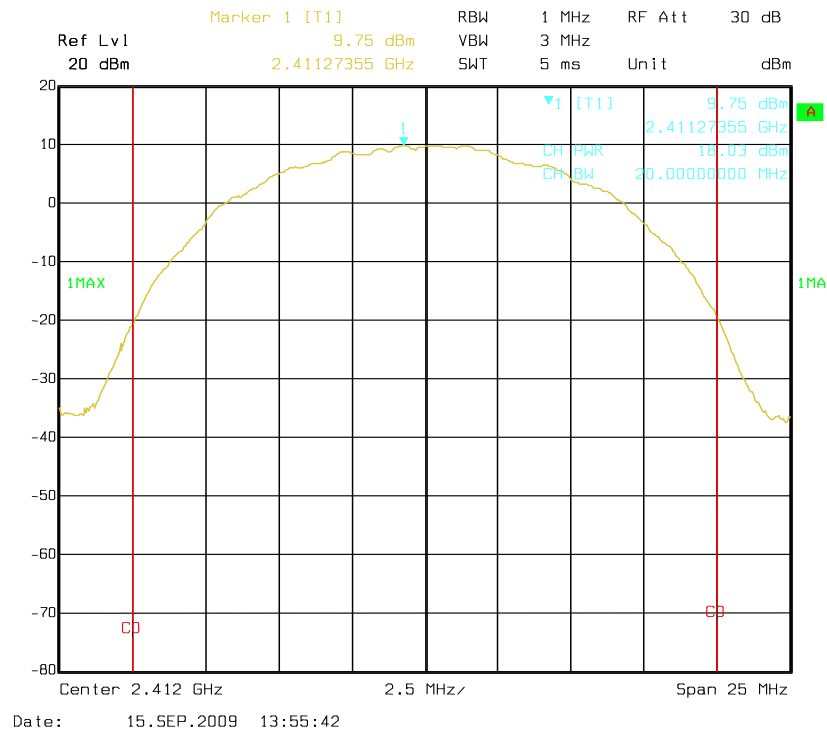
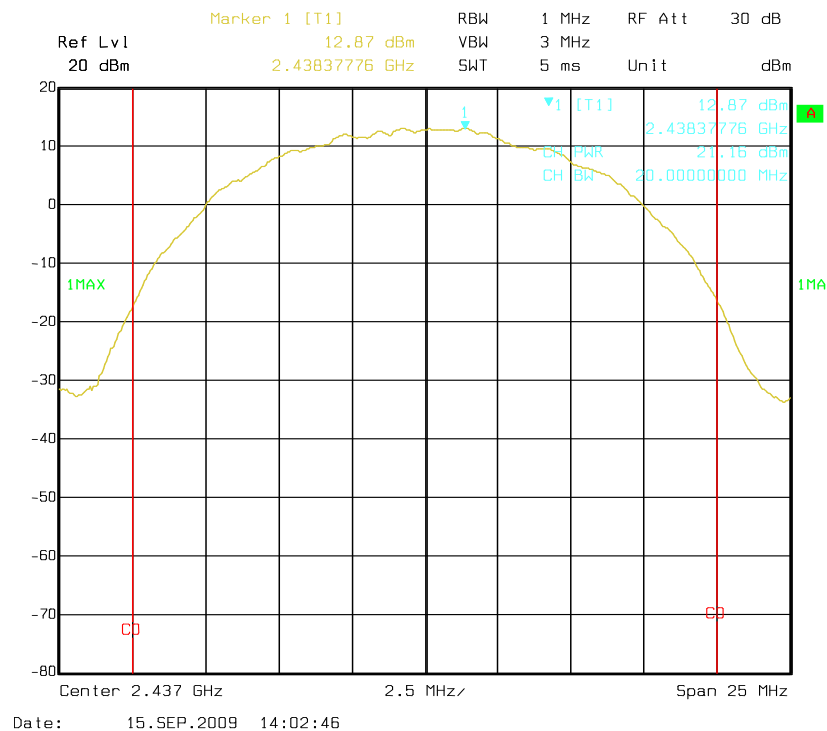
Table 12: Test result of Peak Output Power, 802.11g 54Mbps

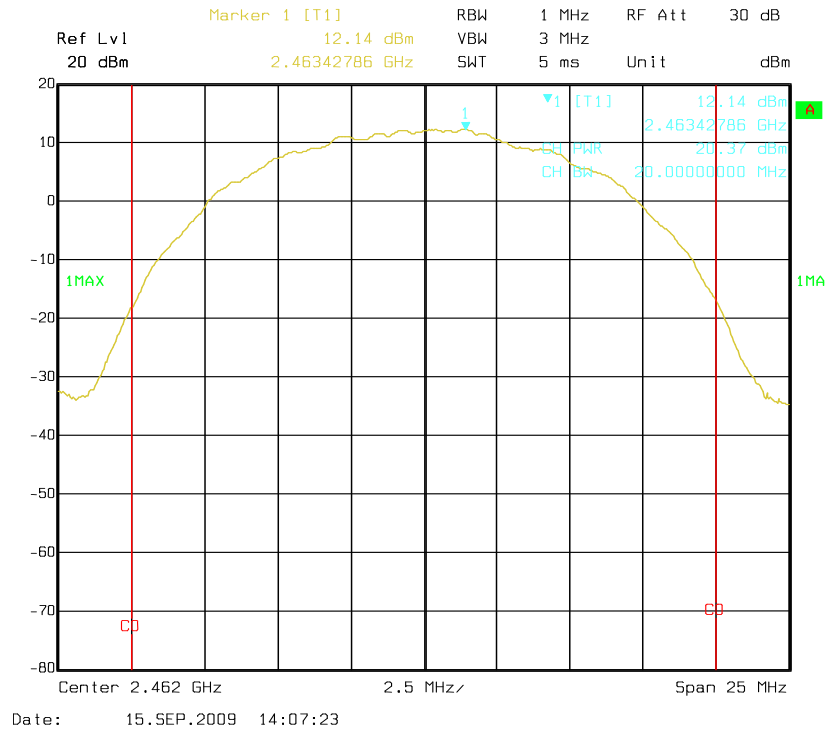
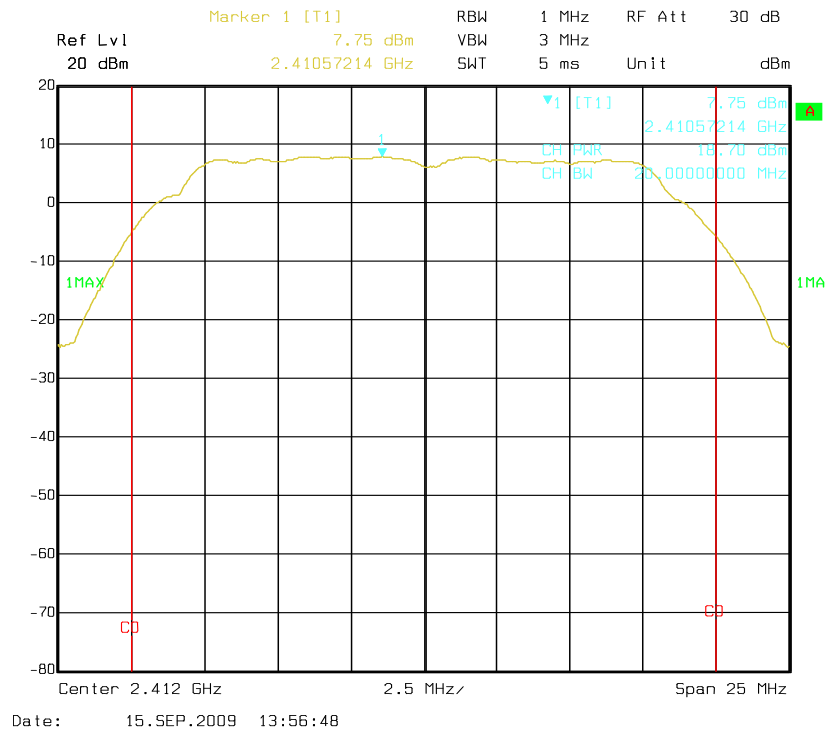
Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2412	17.38	0.054	1
Middle Channel	2437	20.50	0.112	1
High Channel	2462	20.25	0.105	1

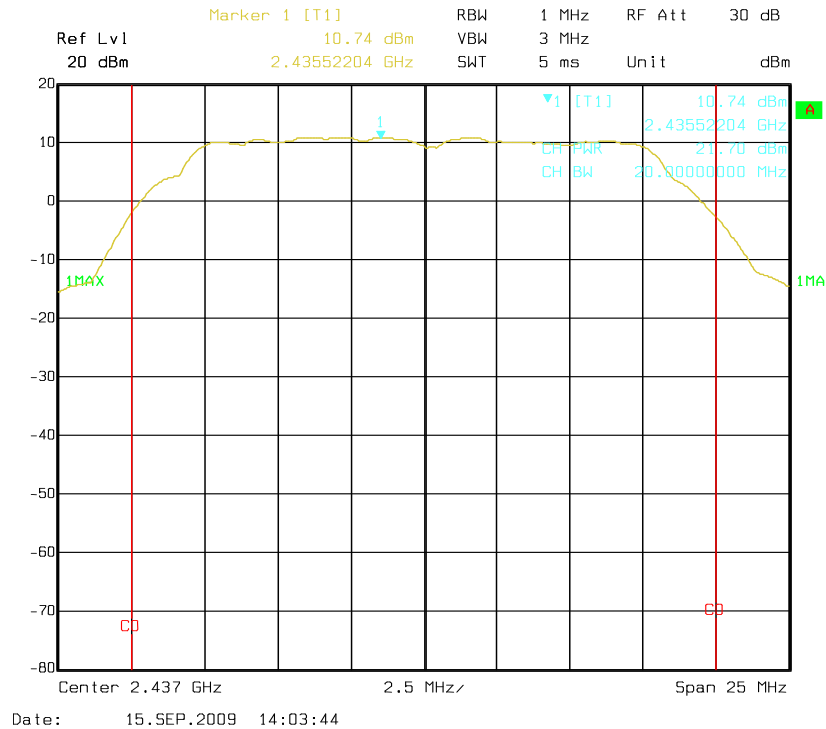
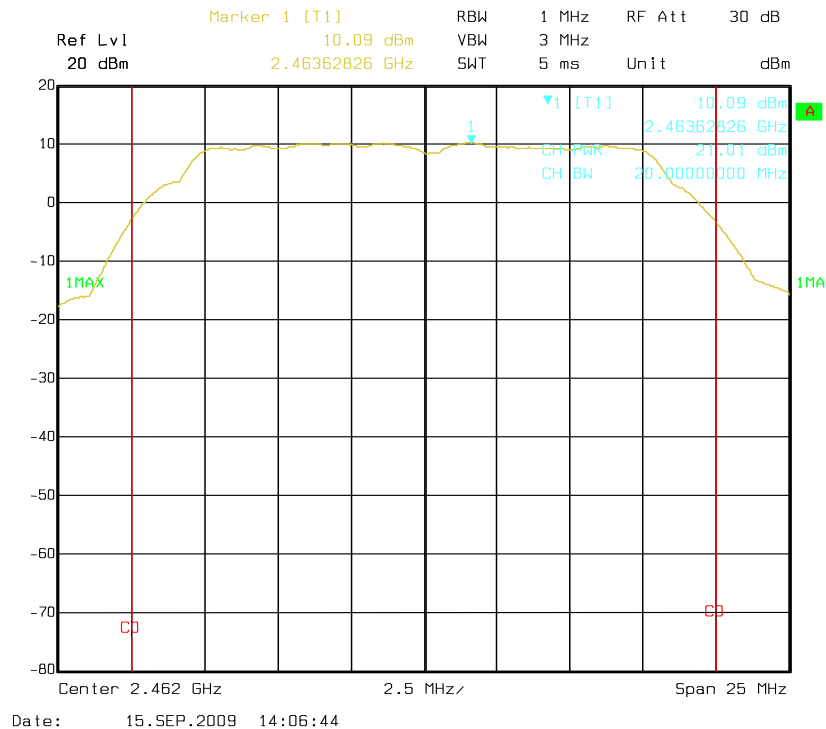
Test Plot of Peak Output Power
802.11b 1Mbps, Low Channel

802.11b 1Mbps, Middle Channel


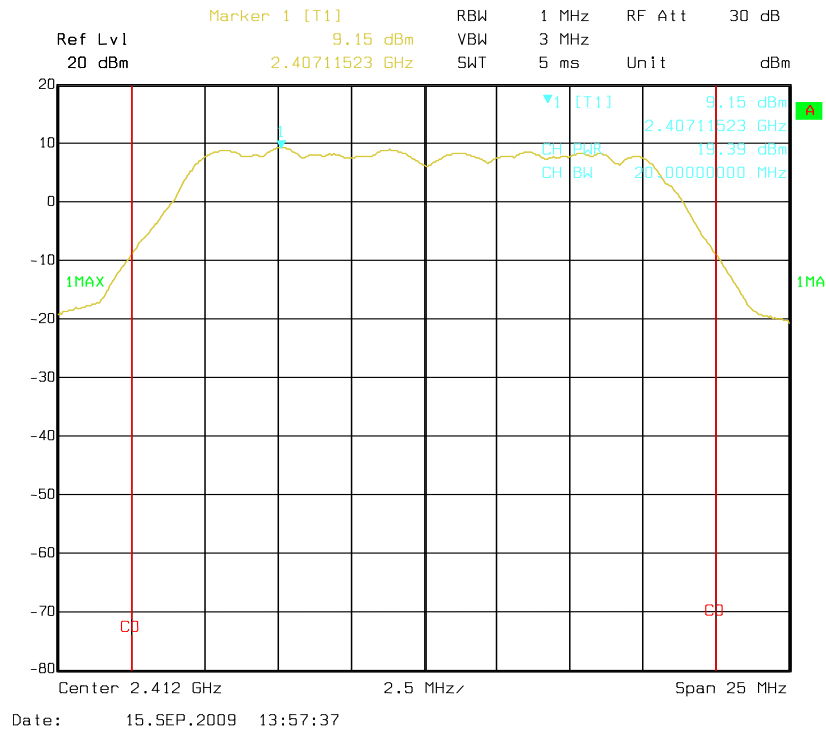
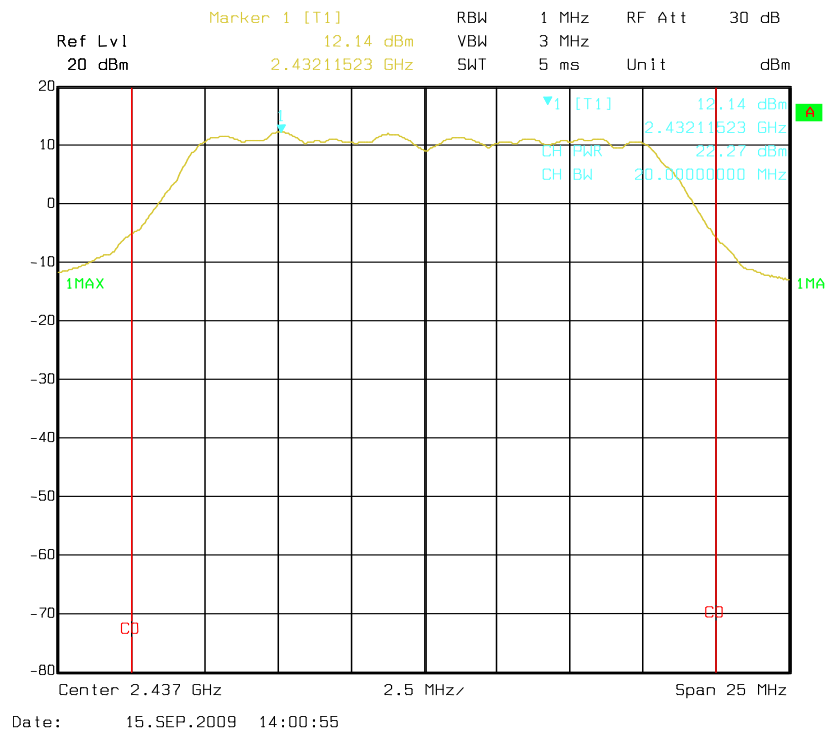
802.11b 1Mbps, High Channel

802.11b 5.5Mbps, Low Channel


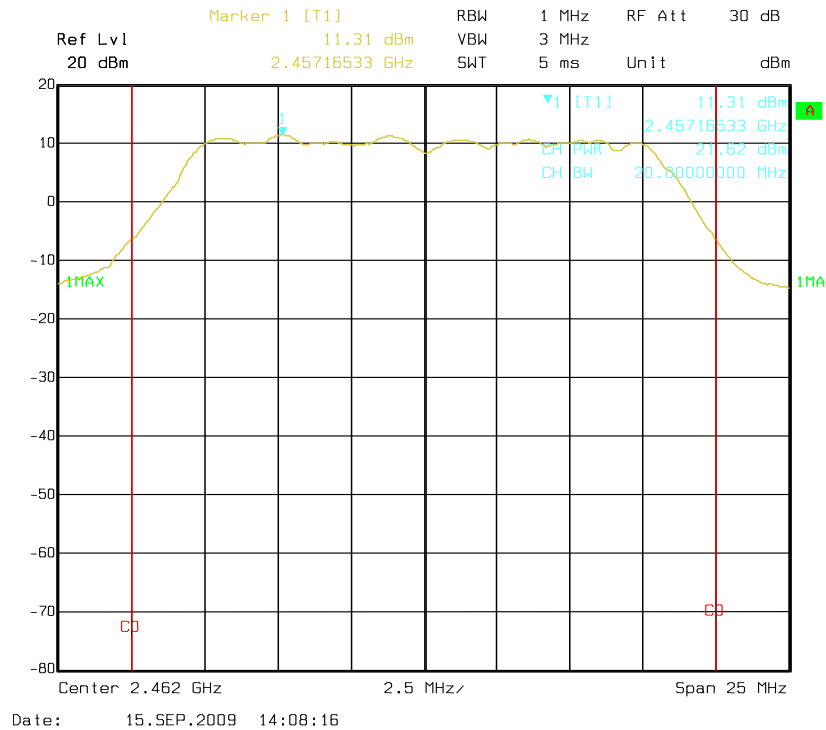
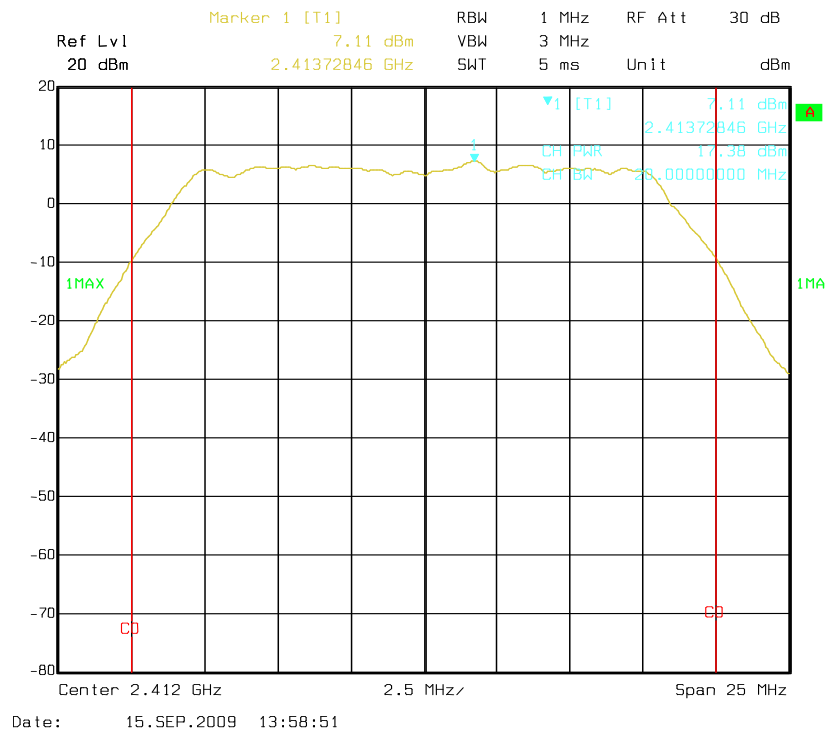
802.11b 5.5Mbps, Middle Channel

802.11b 5.5Mbps, High Channel


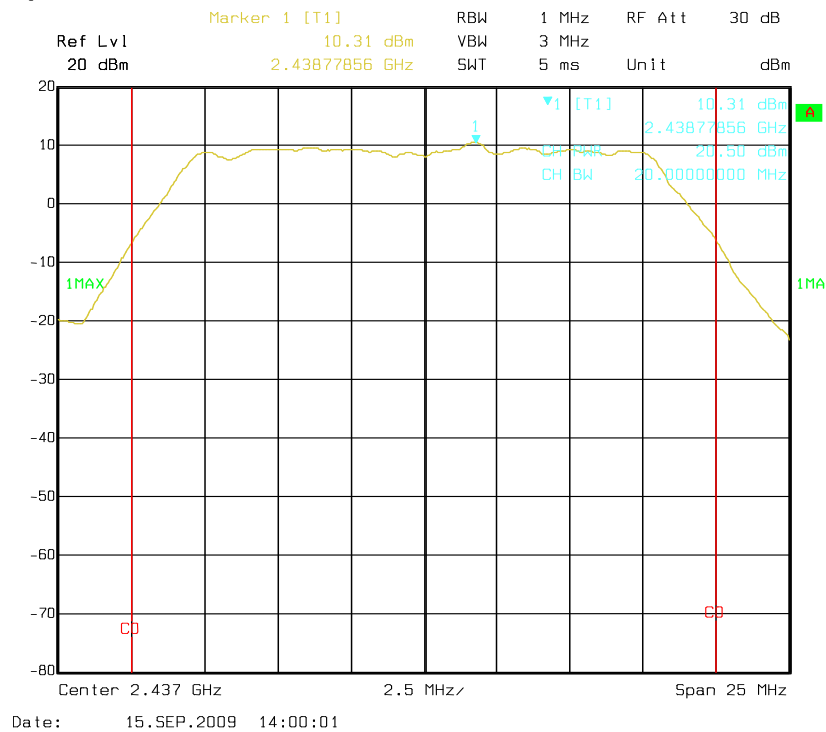
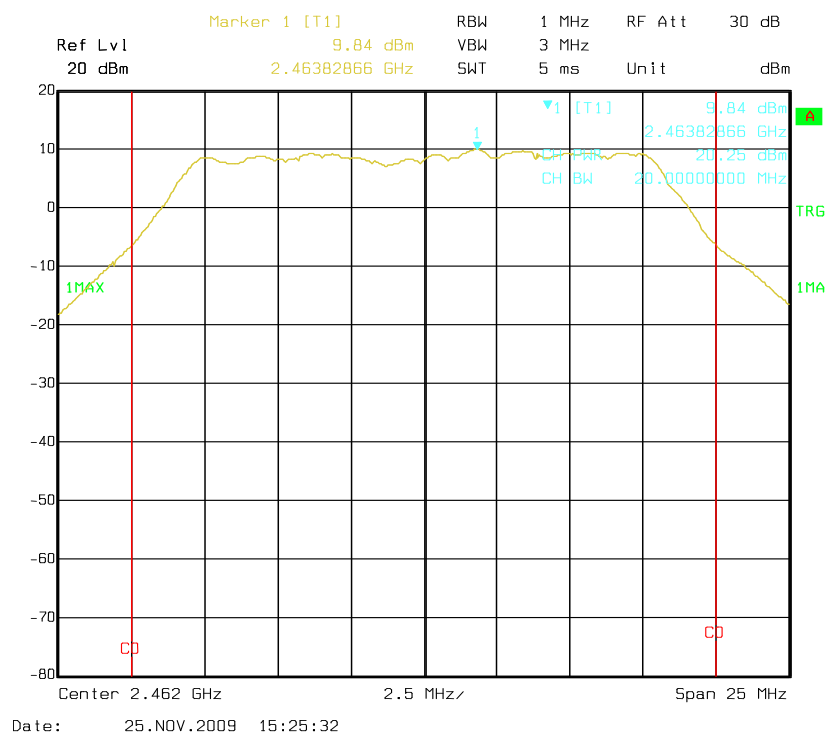
802.11b 11Mbps, Low Channel

802.11b 11Mbps, Middle Channel


802.11b 11Mbps, High Channel

802.11g 6Mbps, Low Channel


802.11g 6Mbps, Middle Channel

802.11g 6Mbps, High Channel


802.11g 24Mbps, Low Channel

802.11g 24Mbps, Middle Channel


802.11g 24Mbps, High Channel

802.11g 54Mbps, Low Channel


802.11g 54Mbps, Middle Channel

802.11g 54Mbps, High Channel


Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit
Low Channel	2412	10.34	500kHz
Mid Channel	2437	10.34	500kHz
High Channel	2462	10.02	500kHz

Table 16: Test result of 6dB Bandwidth, 802.11g 6Mbps

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit
Low Channel	2412	16.55	500kHz
Mid Channel	2437	16.55	500kHz
High Channel	2462	16.55	500kHz

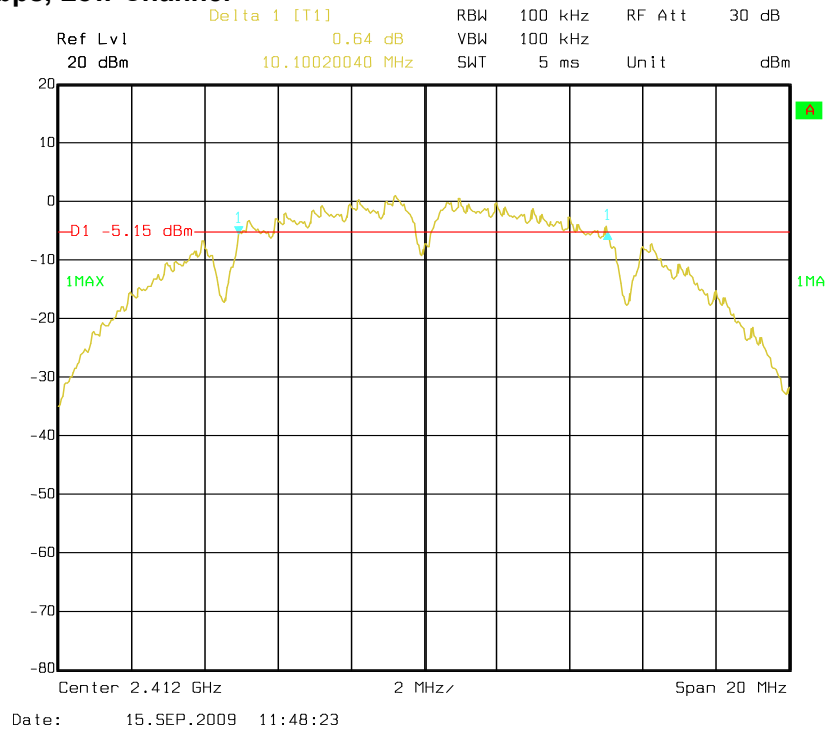
Table 17: Test result of 6dB Bandwidth, 802.11g 24Mbps

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit
Low Channel	2412	16.59	500kHz
Mid Channel	2437	16.51	500kHz
High Channel	2462	16.51	500kHz

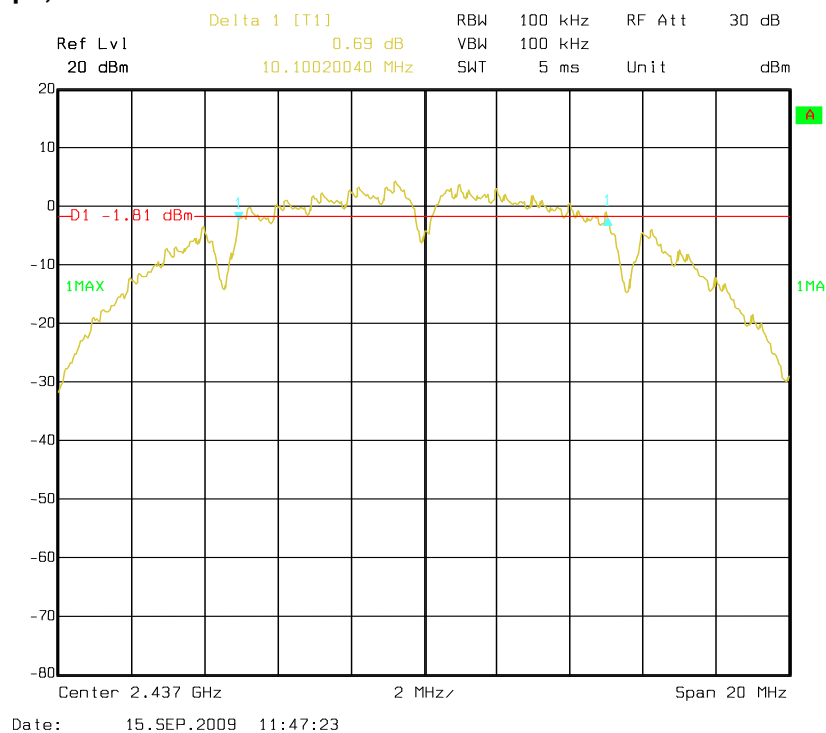
Table 18: Test result of 6dB Bandwidth, 802.11g 54Mbps

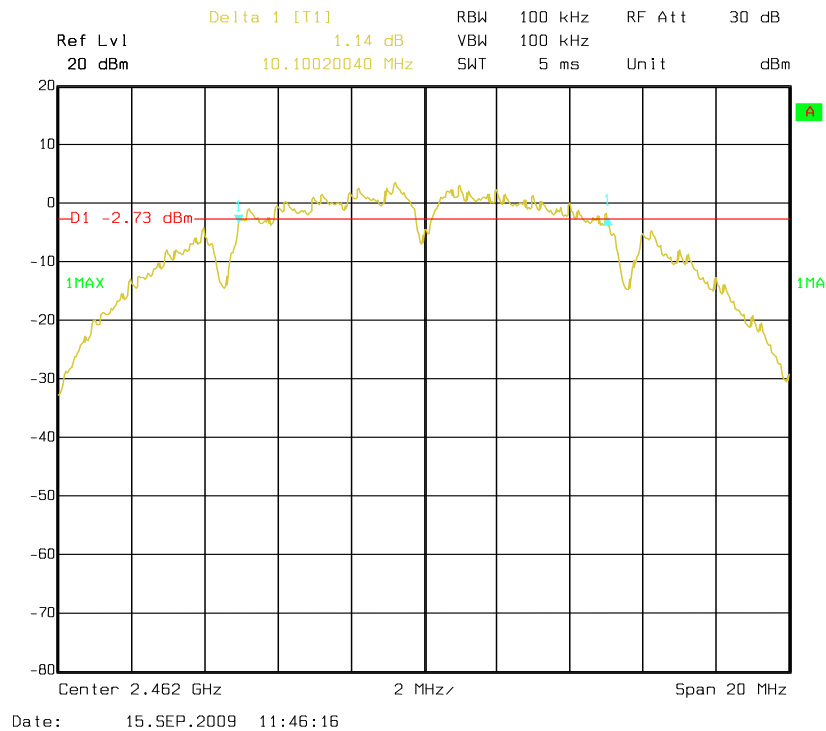
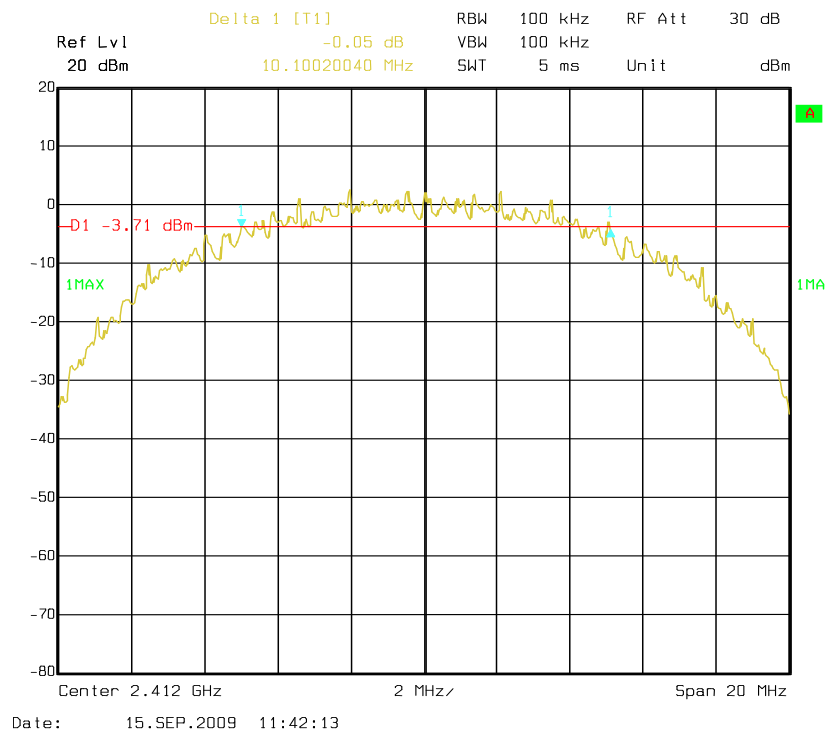
Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit
Low Channel	2412	16.59	500kHz
Mid Channel	2437	16.59	500kHz
High Channel	2462	16.59	500kHz

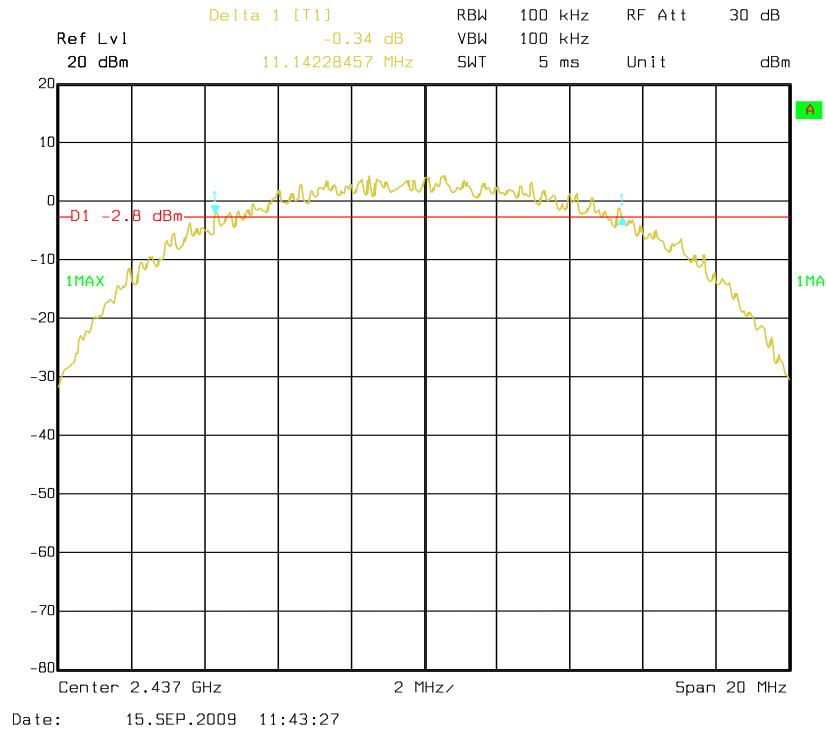
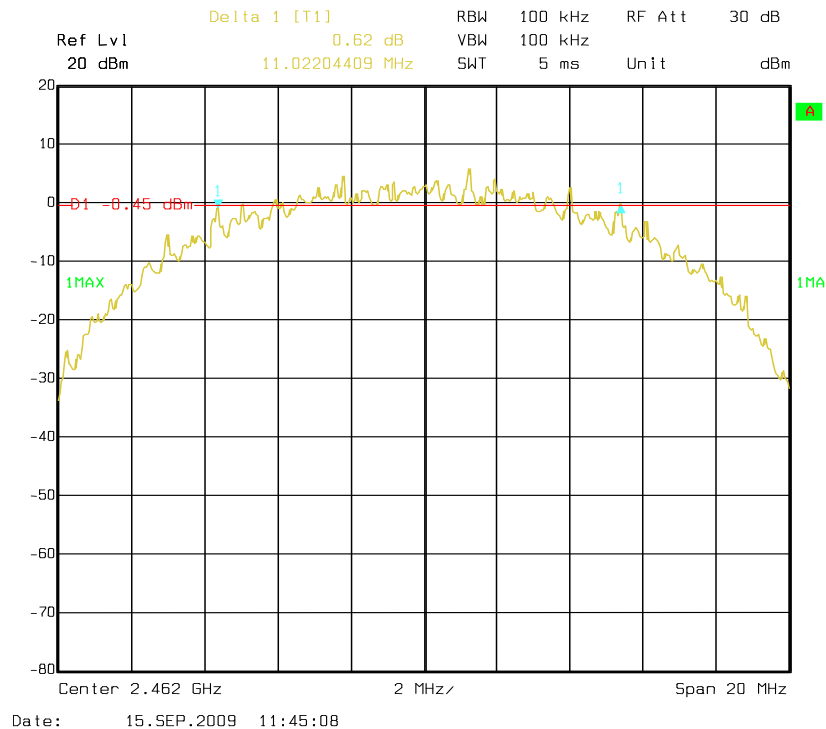
Test Plot of 6dB Bandwidth 802.11b 1Mbps, Low Channel

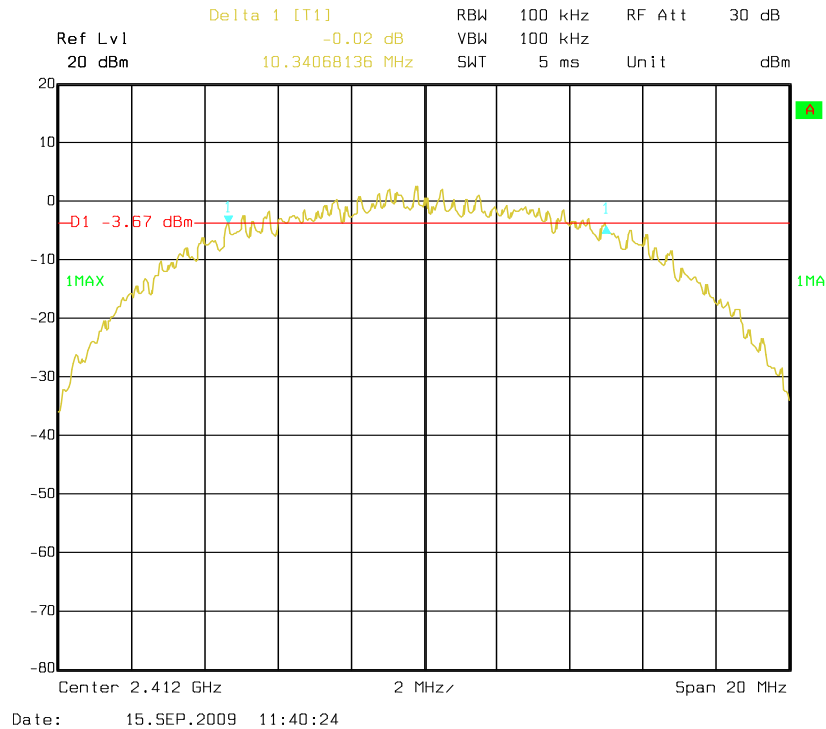
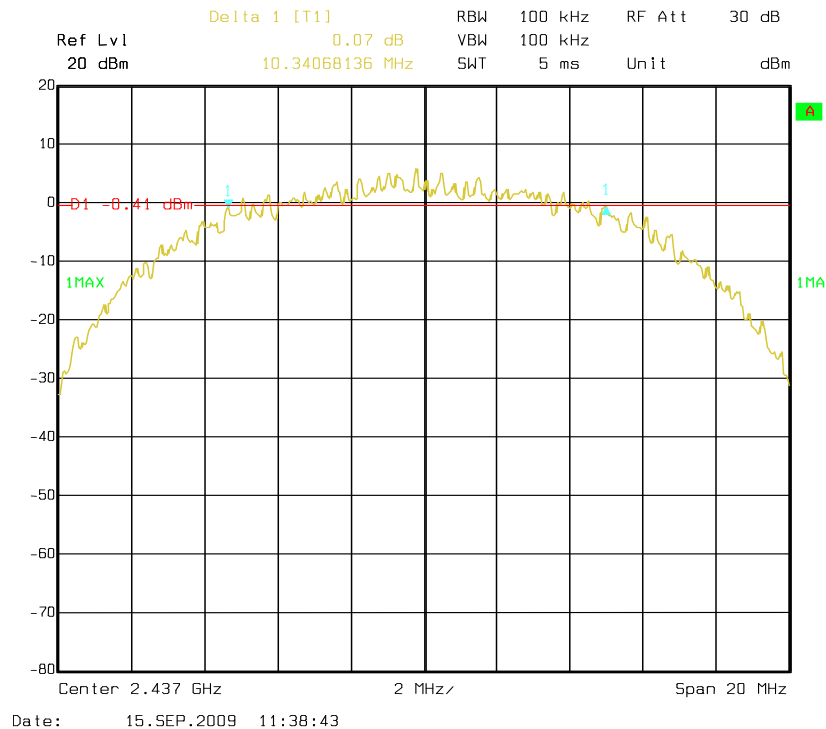


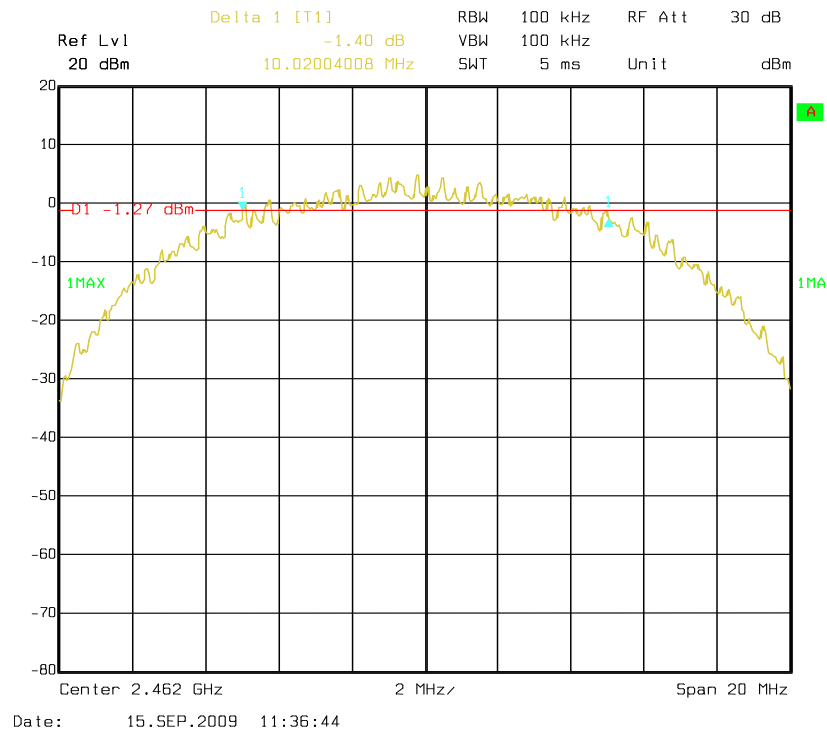
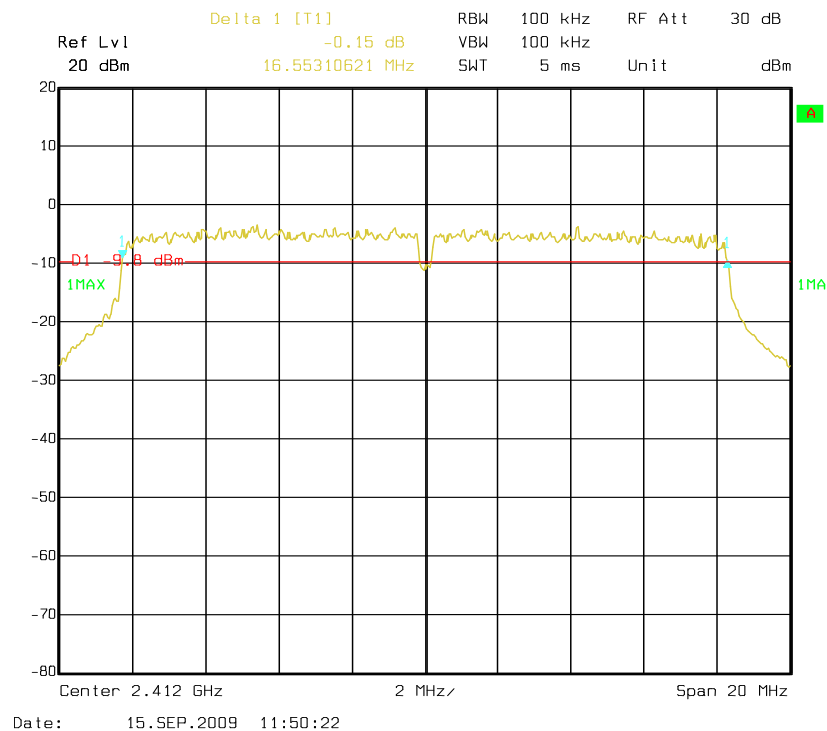
802.11b 1Mbps, Middle Channel

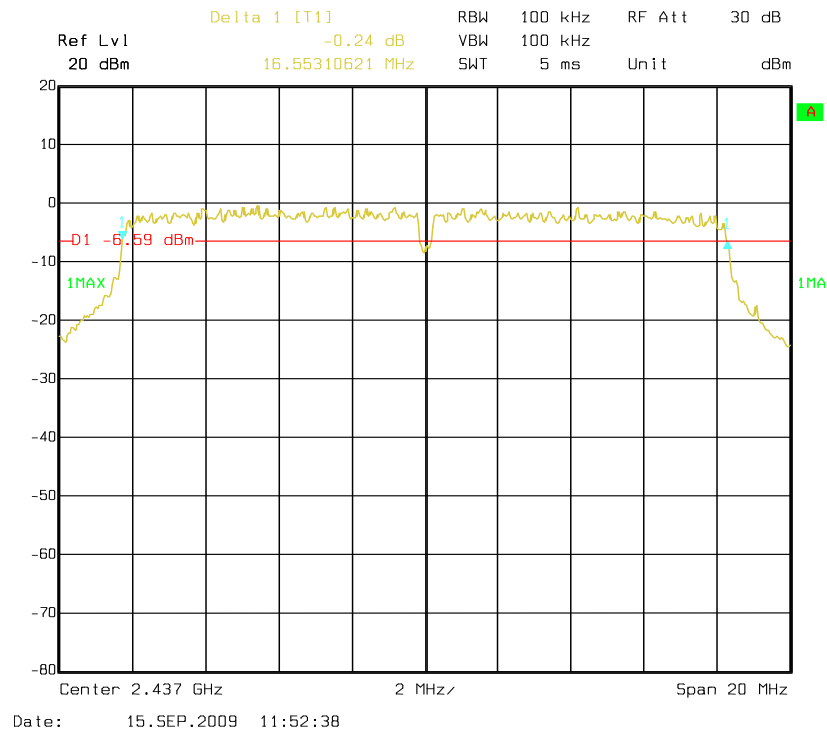
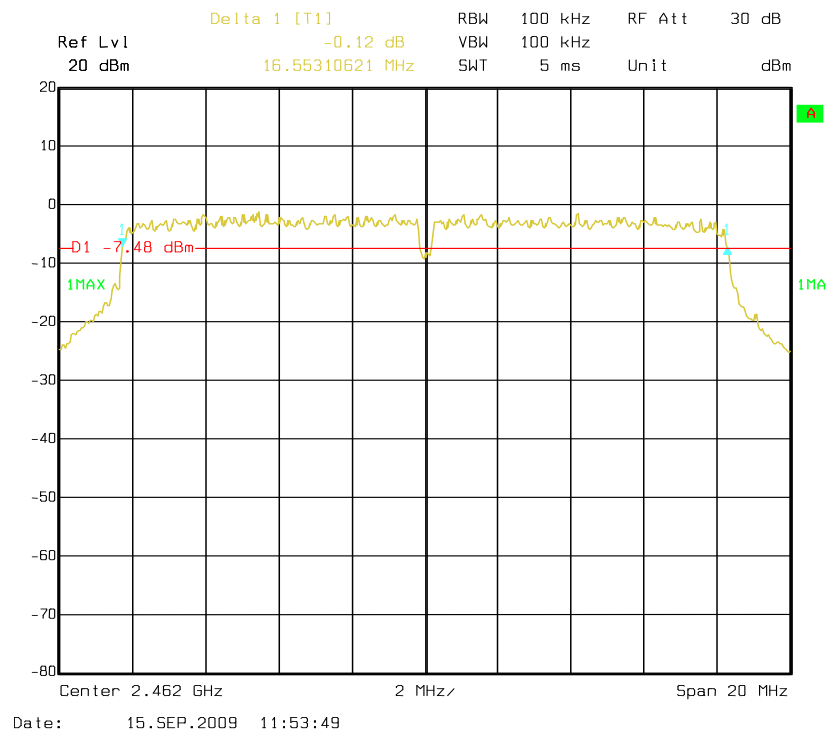


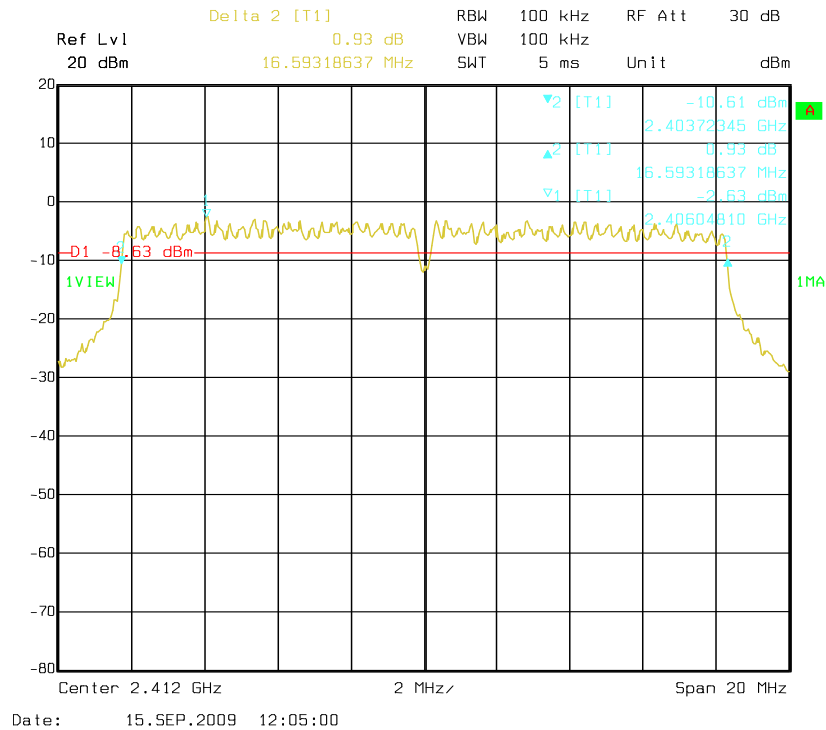
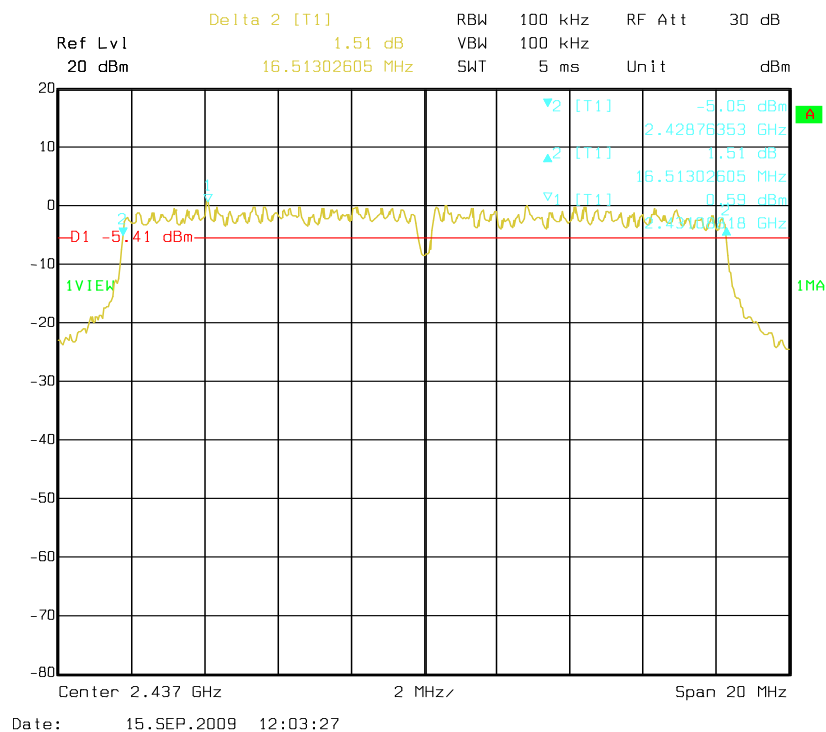
802.11b 1Mbps, High Channel

802.11b 5.5Mbps, Low Channel


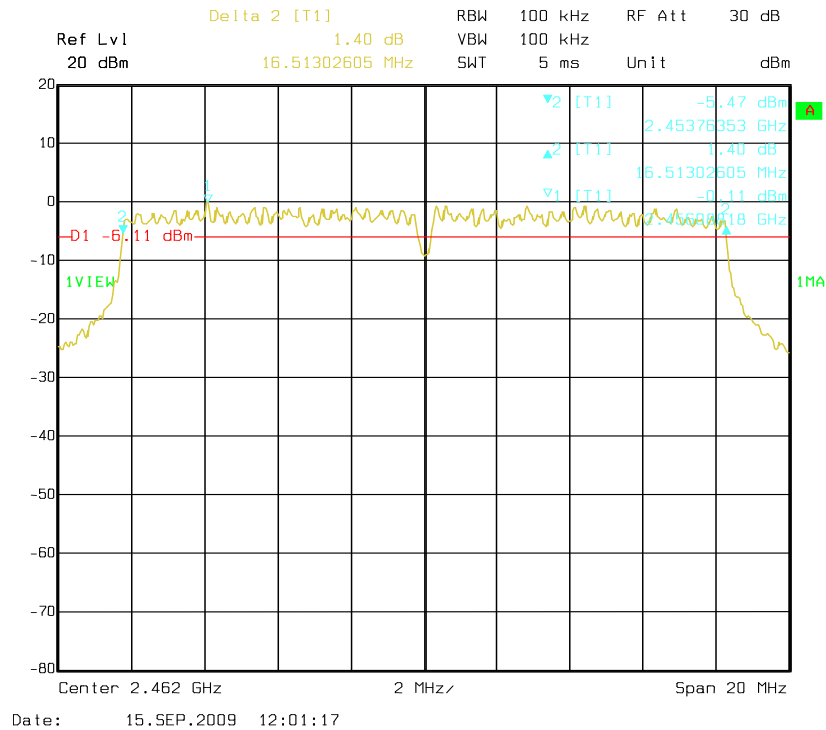
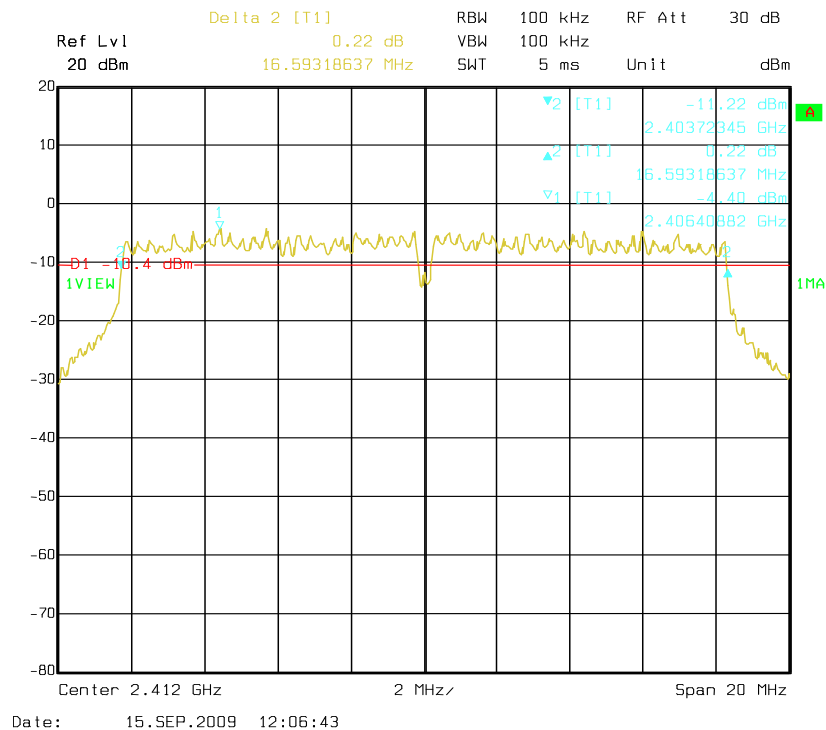
802.11b 5.5Mbps, Middle Channel

802.11b 5.5Mbps, High Channel


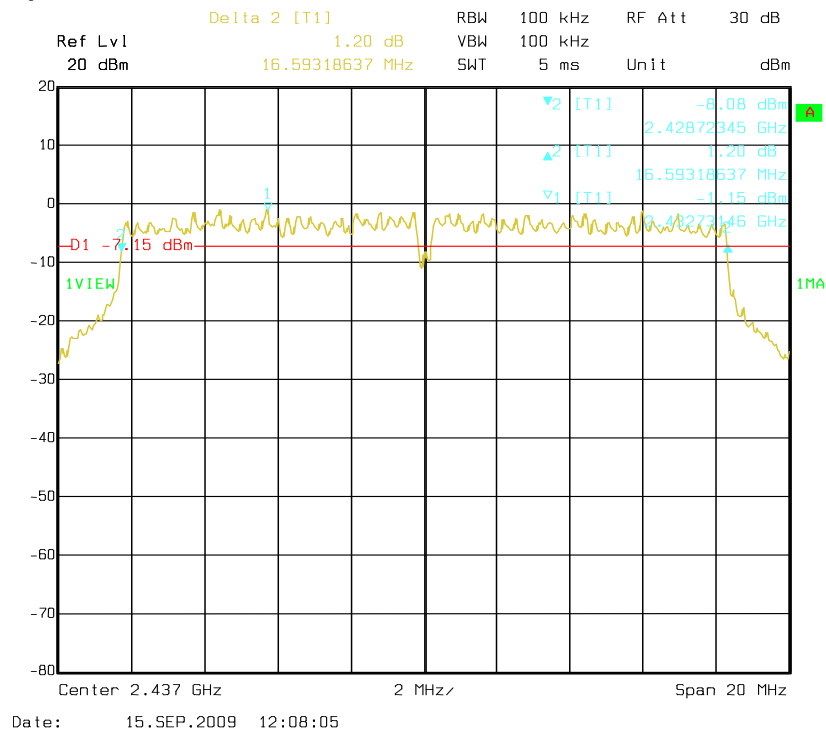
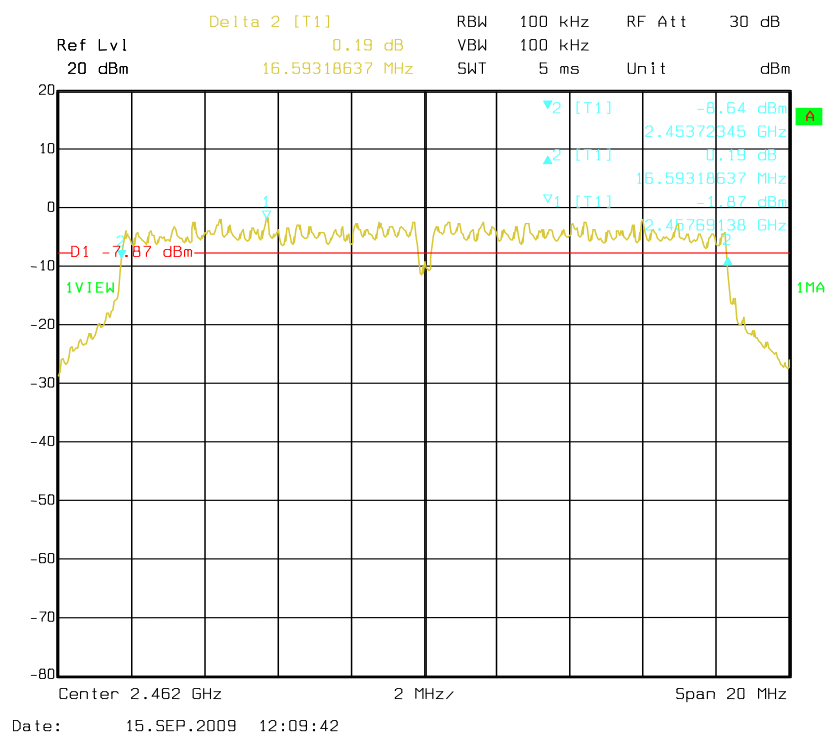
802.11b 11Mbps, Low Channel

802.11b 11Mbps, Middle Channel


802.11b 11Mbps, High Channel

802.11g 6Mbps, Low Channel


802.11g 6Mbps, Middle Channel

802.11g 6Mbps, High Channel


802.11g 24Mbps, Low Channel

802.11g 24Mbps, Middle Channel


802.11g 24Mbps, High Channel

802.11g 54Mbps, Low Channel


802.11g 54Mbps, Middle Channel

802.11g 54Mbps, High Channel


5.1.4 100kHz Bandwidth of Frequency Band Edge**RESULT:****Passed**

Date of testing	:	2009-09-15
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

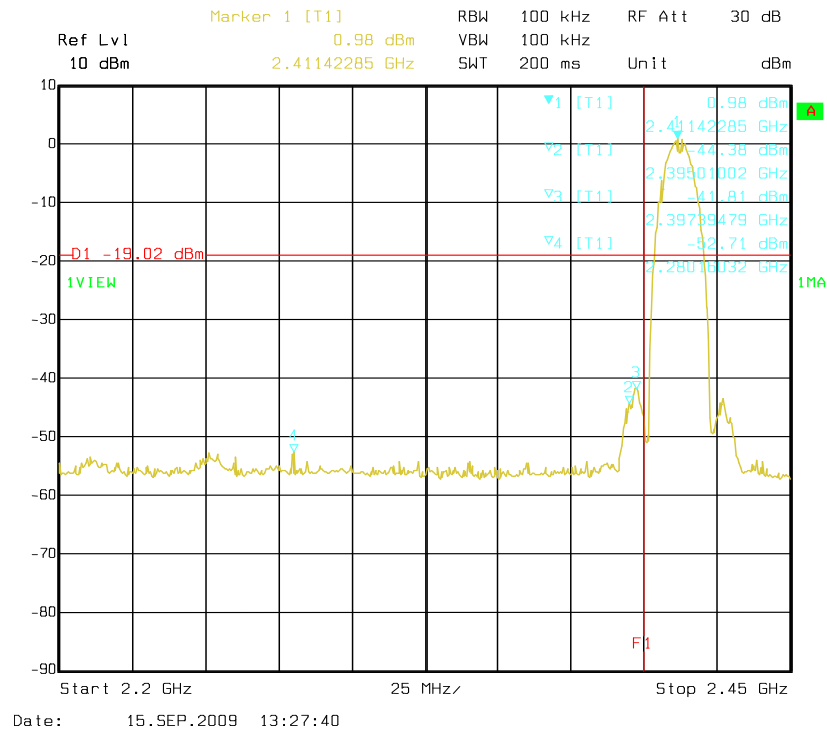
Test setup

Test Channel	:	Low/ High
Operation mode	:	A.1.a
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

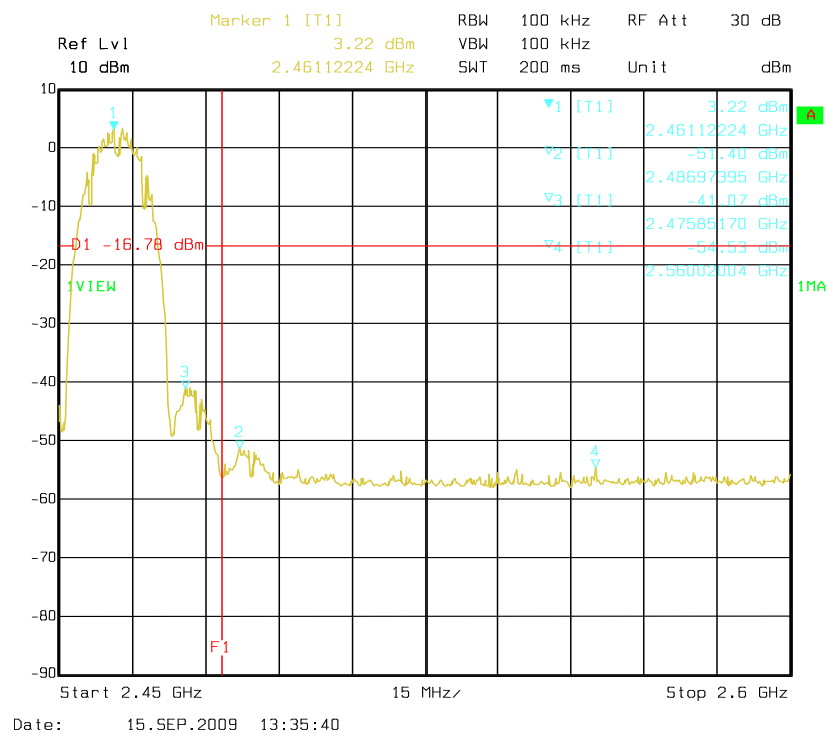
All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

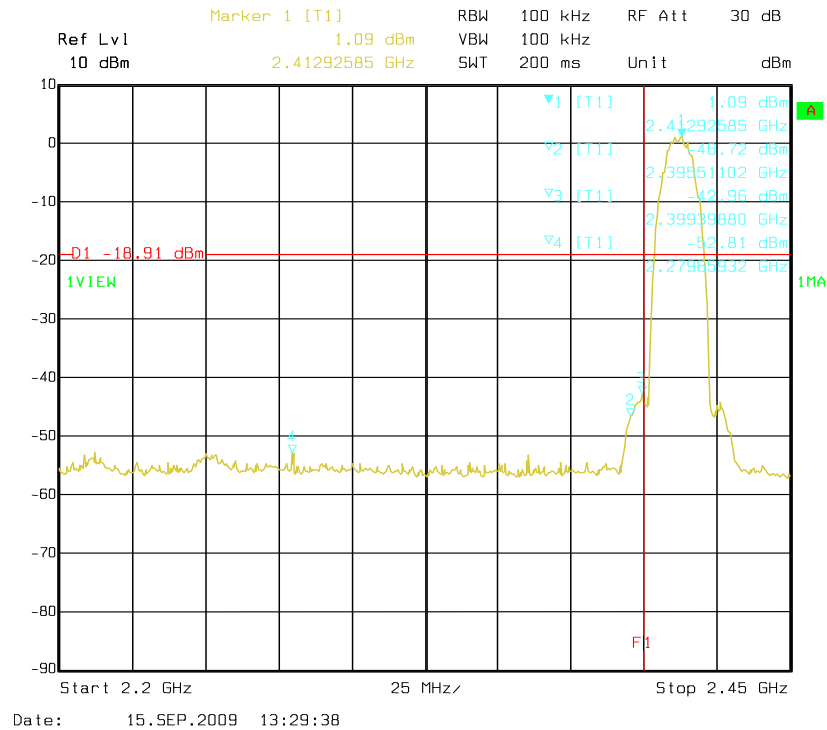
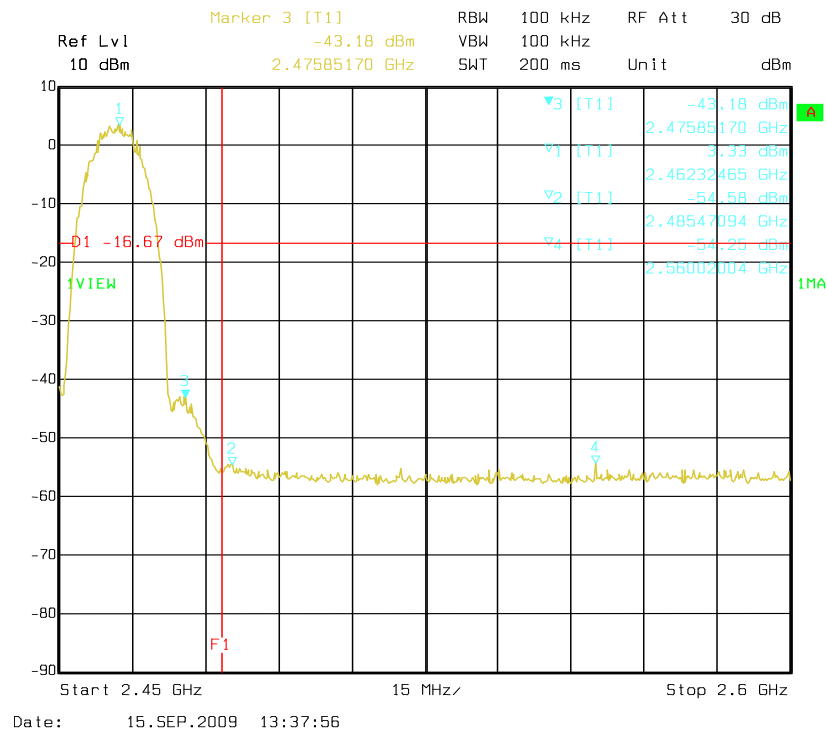
Test Plot of 100kHz Bandwidth of Frequency Band Edge

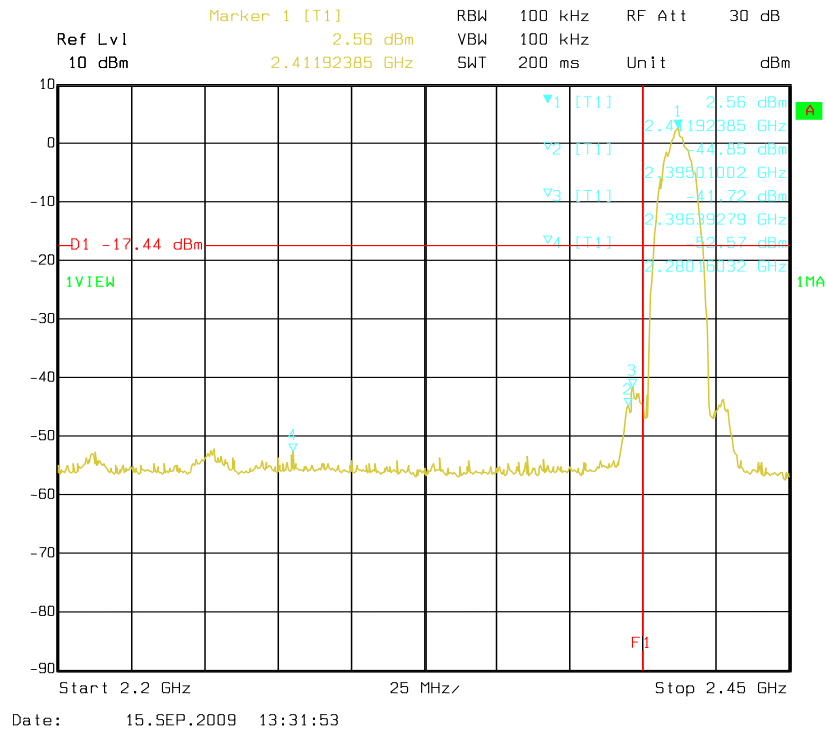
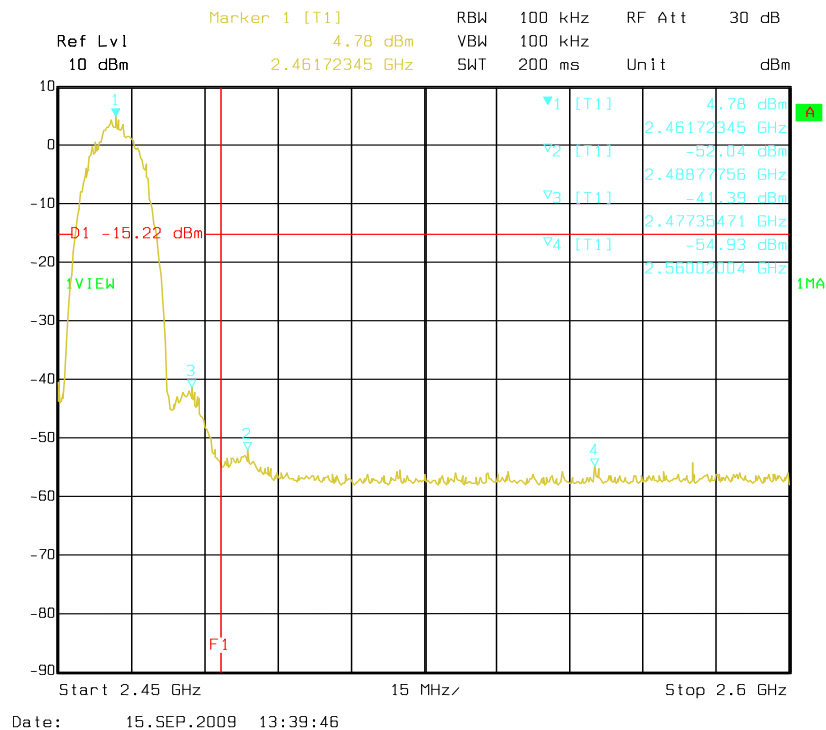
802.11b 1Mbps, Low Channel

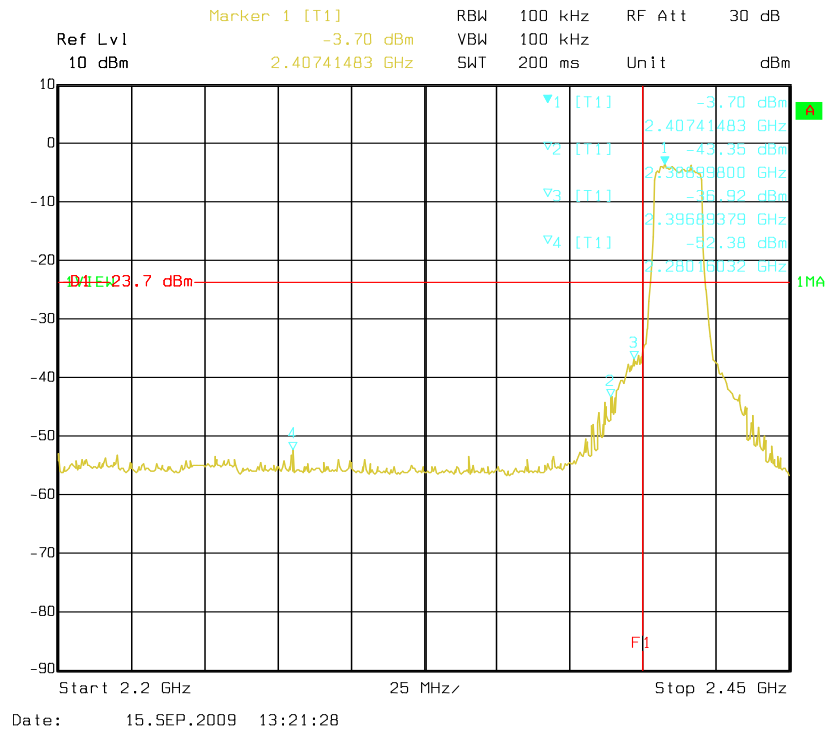
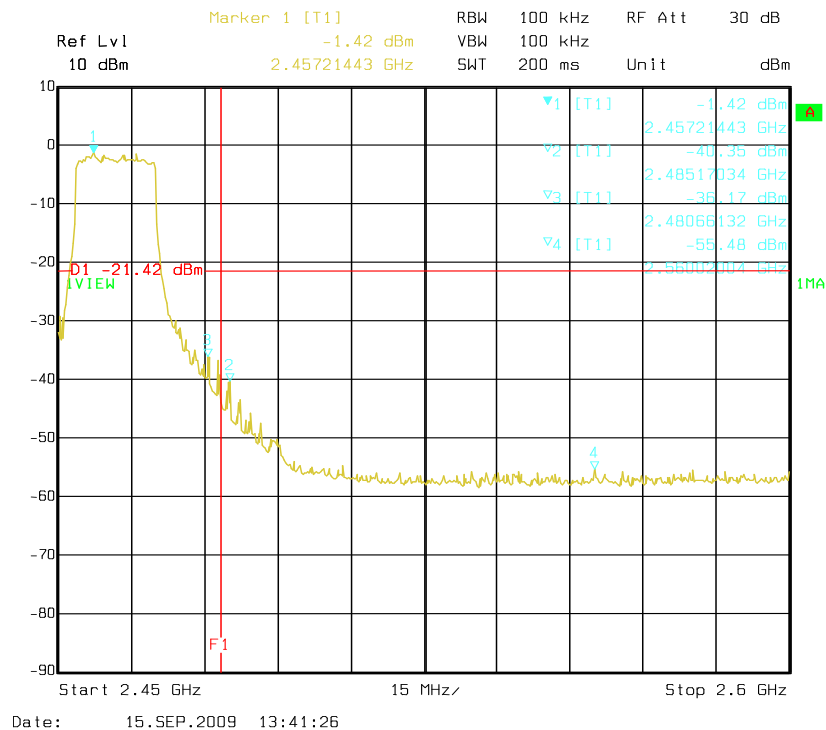


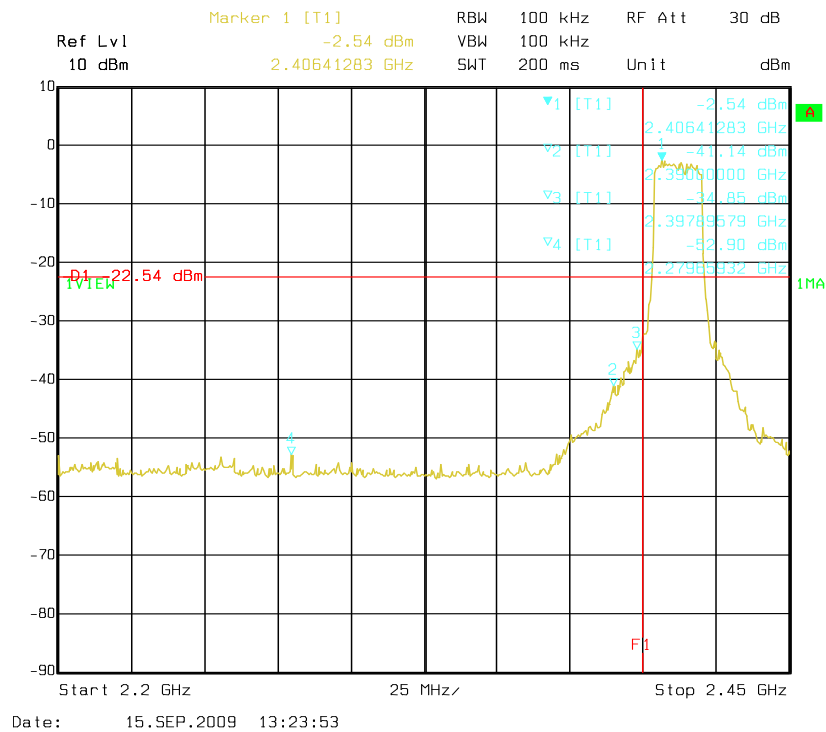
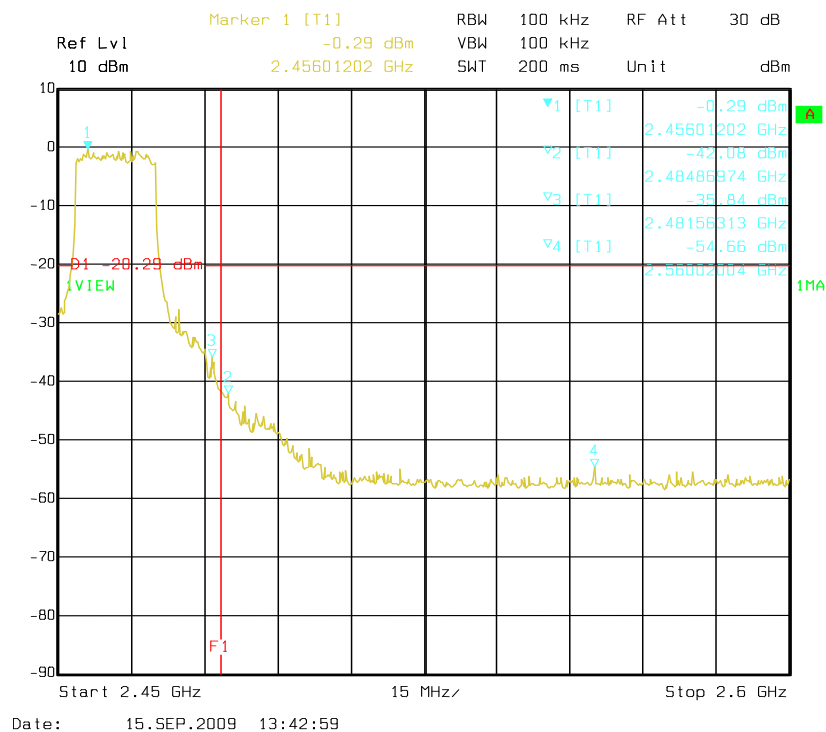
802.11b 1Mbps, High Channel

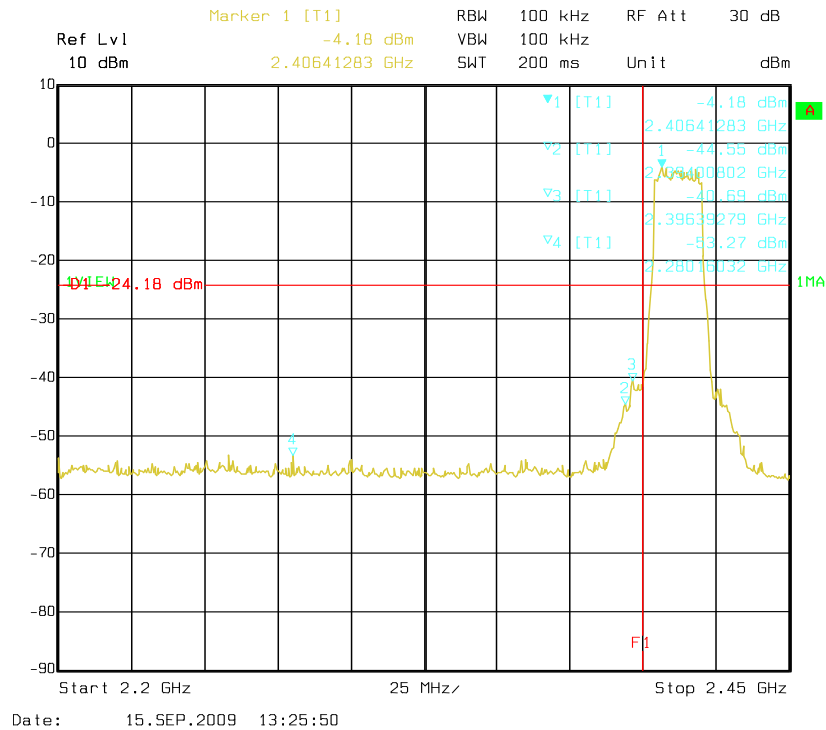
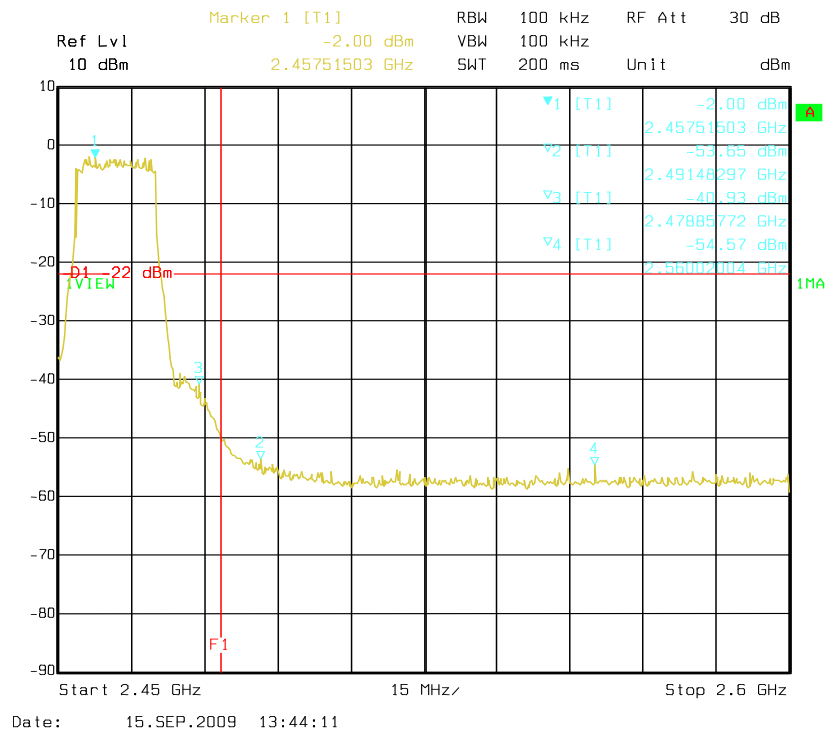


802.11b 5.5Mbps, Low Channel

802.11b 5.5Mbps, High Channel


802.11b 11Mbps, Low Channel

802.11b 11Mbps, High Channel


802.11g 6Mbps, Low Channel

802.11g 6Mbps, High Channel


802.11g 24Mbps, Low Channel

802.11g 24Mbps, High Channel


802.11g 54Mbps, Low Channel

802.11g 54Mbps, High Channel


5.1.5 Power Spectral Density

RESULT:
Passed

Date of testing : 2009-09-15
 Test standard : FCC part 15.247(e)
 Basic standard : ANSI C63.4: 2003
 Limits : 8.0 dBm (in any 3kHz band)
 Kind of test site : Shield room

Test Setup

Test Channel : Low/ Middle/ High
 Operation mode : A.1.a
 Ambient temperature : 22°C
 Relative humidity : 50%
 Atmospheric pressure : 101 kPa

Table 19: Test result of power spectral density

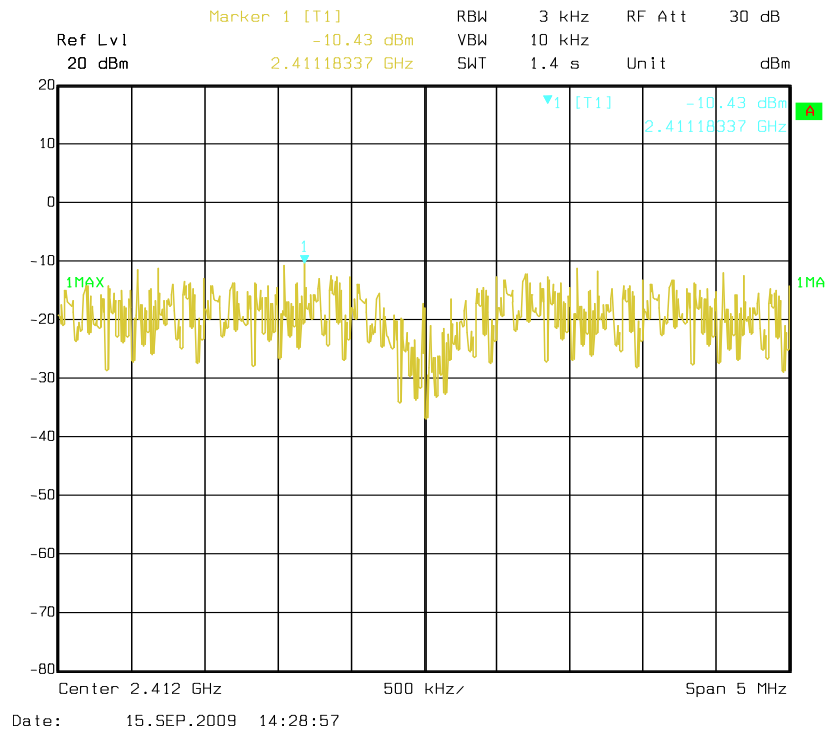
Maximum e.i.r.p. spectral density			
Low Channel (dBm/1MHz)	Middle Channel (dBm/1MHz)	High Channel (dBm/1MHz)	Limit (dBm/3kHz)
802.11b 1Mbps			
-10.43	-7.20	-8.60	8
802.11b 5.5Mbps			
-11.82	-8.77	-9.63	8
802.11g 11Mbps			
-11.24	-8.10	-8.83	8
802.11g 6Mbps			
-17.43	-14.74	-15.31	8
802.11g 24Mbps			
-15.50	-12.47	-13.14	8
802.11g 54Mbps			
-18.06	-14.97	-15.73	8

Prüfbericht - Nr.: 17013660 001
Test Report No.

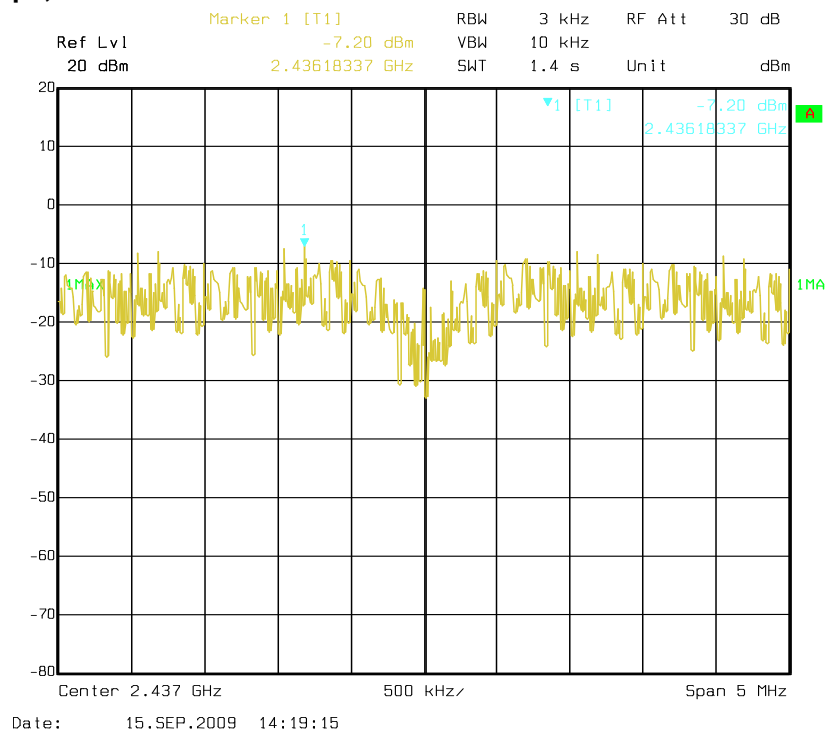
Seite 43 von 199
Page 43 of 199

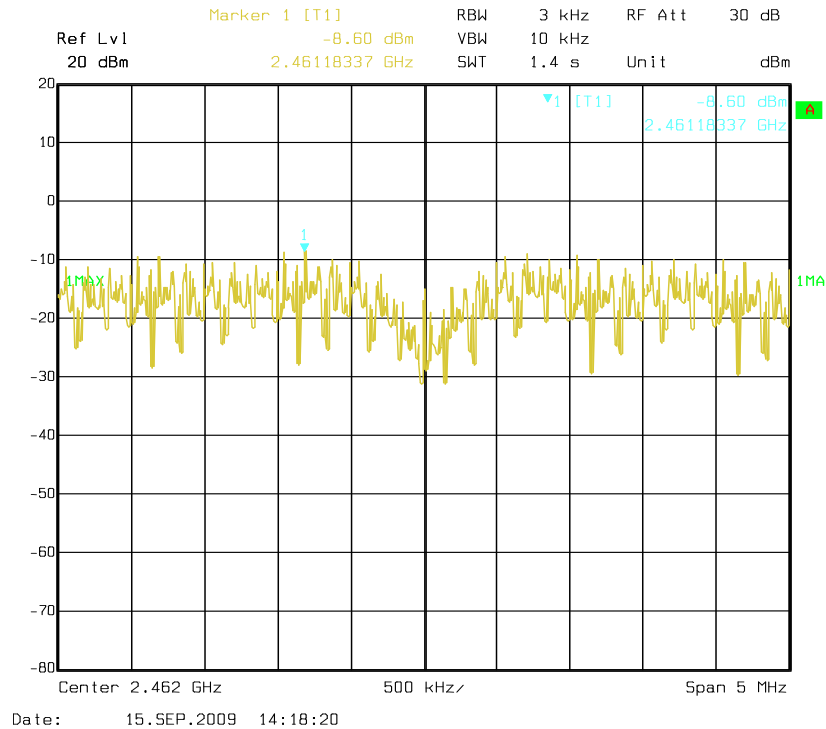
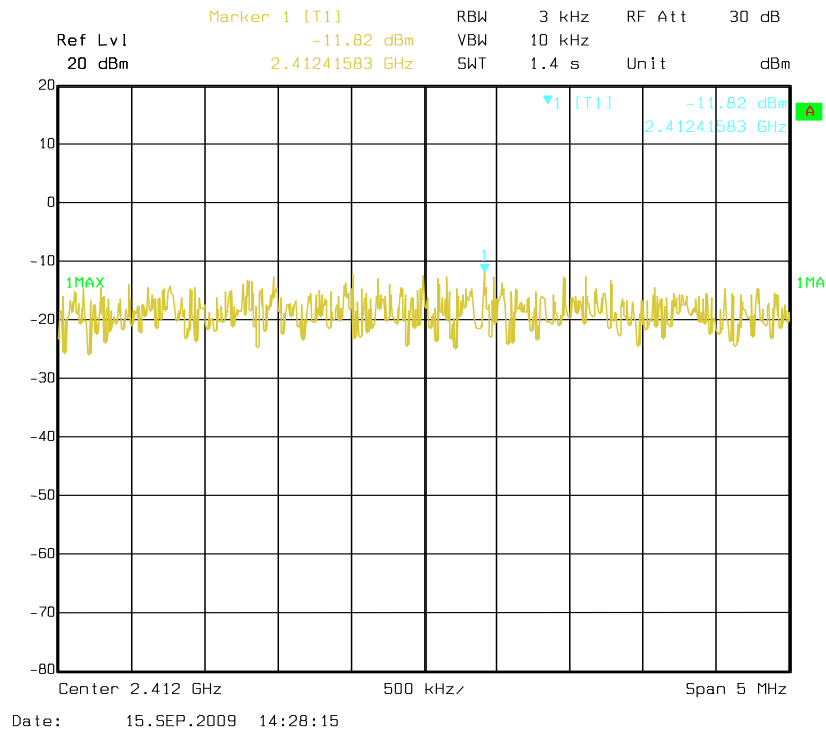
Test Plot of Power Spectral Density

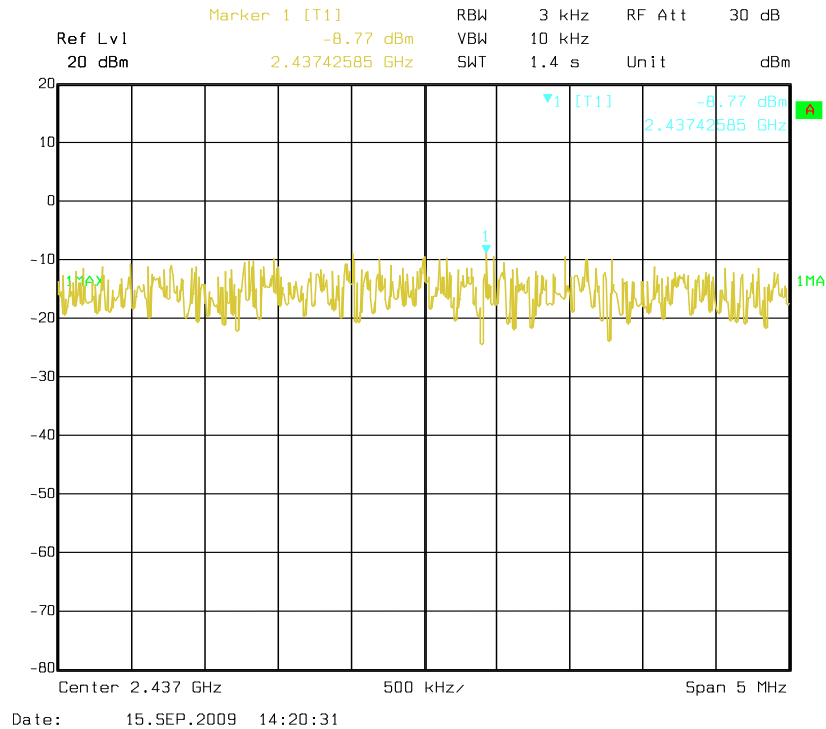
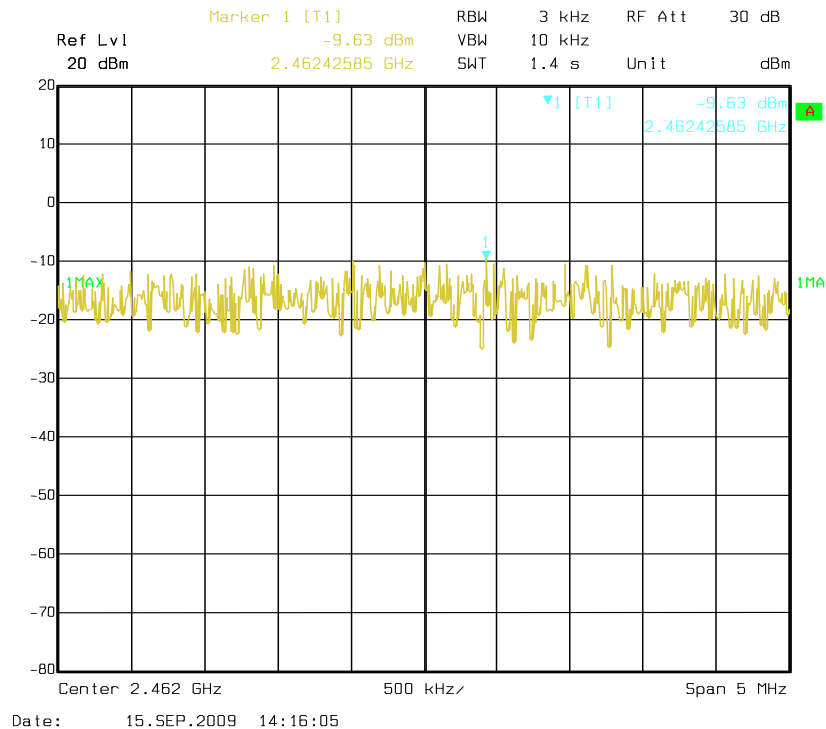
802.11b 1Mbps, Low Channel

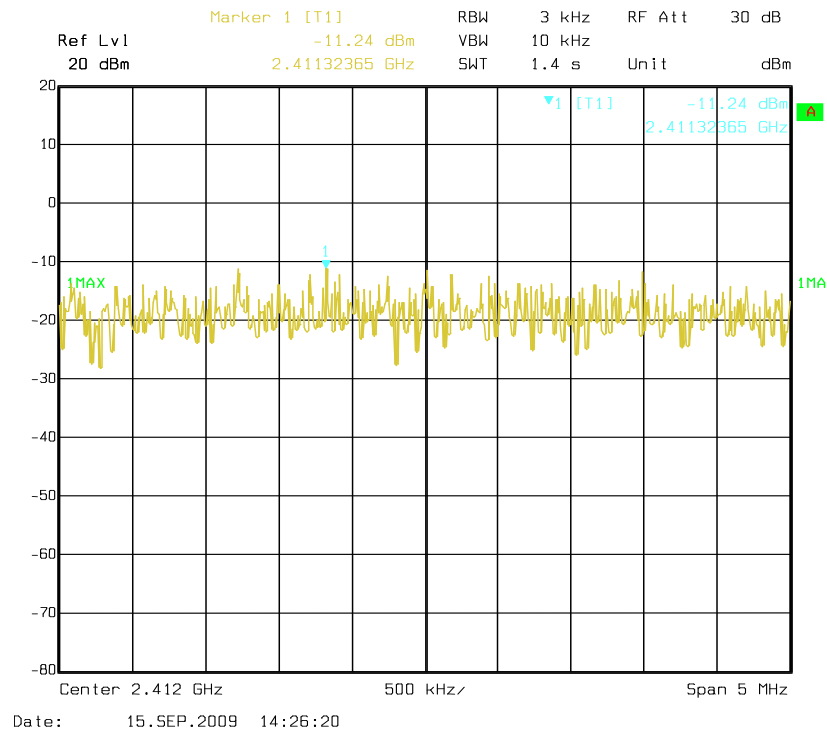
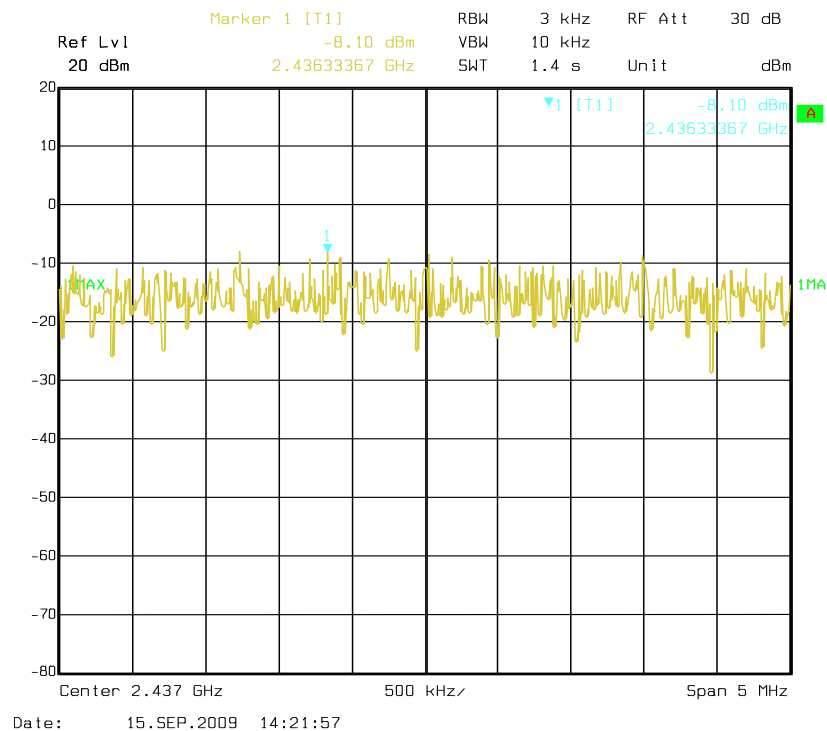


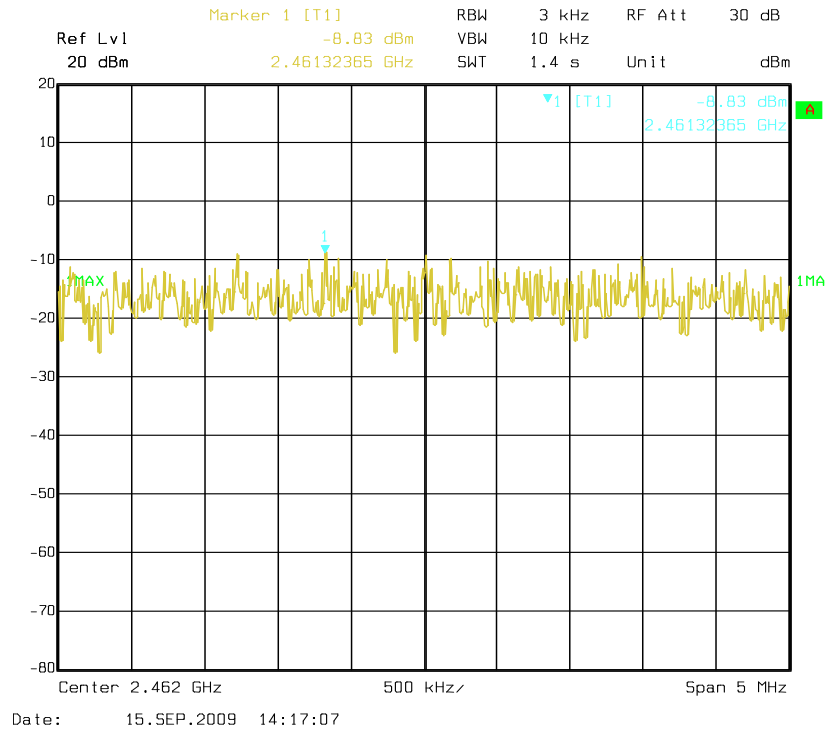
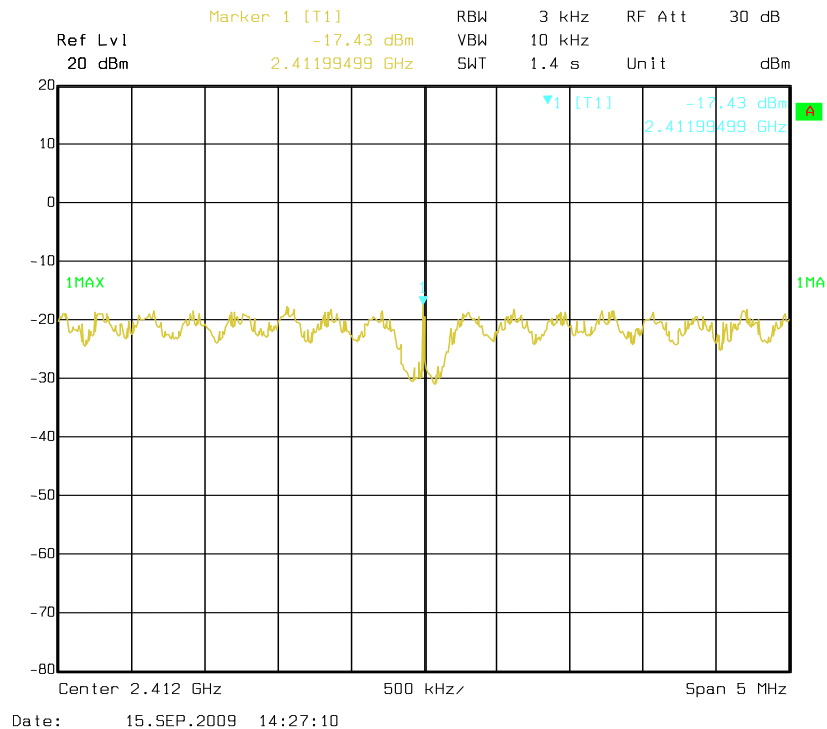
802.11b 1Mbps, Middle Channel

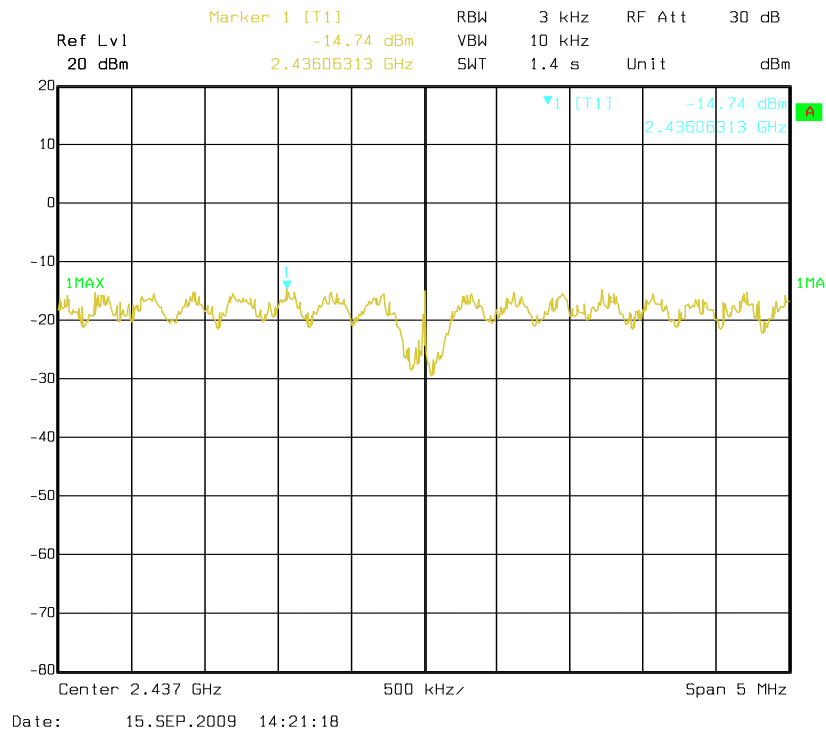
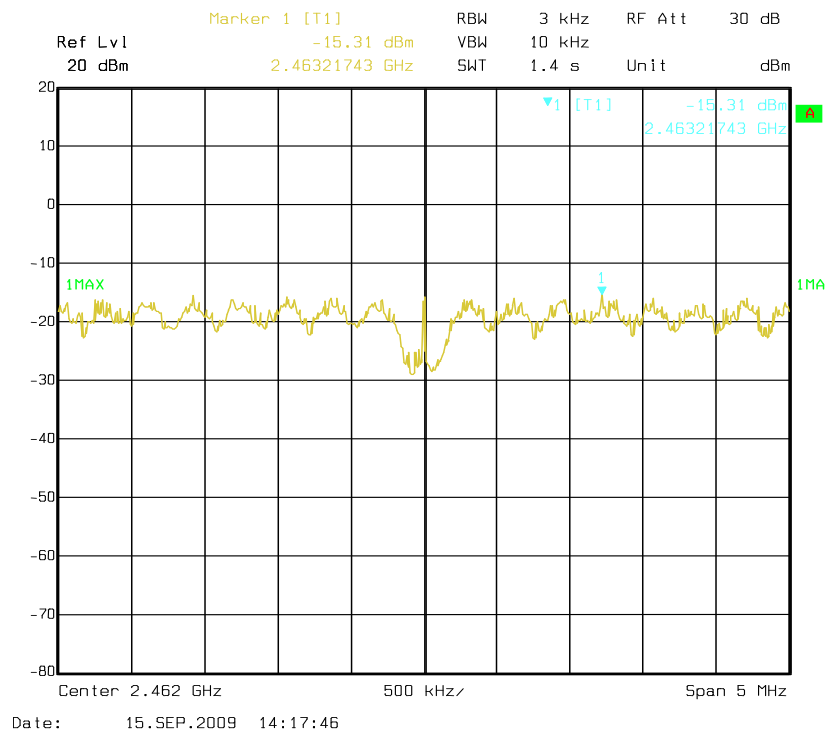


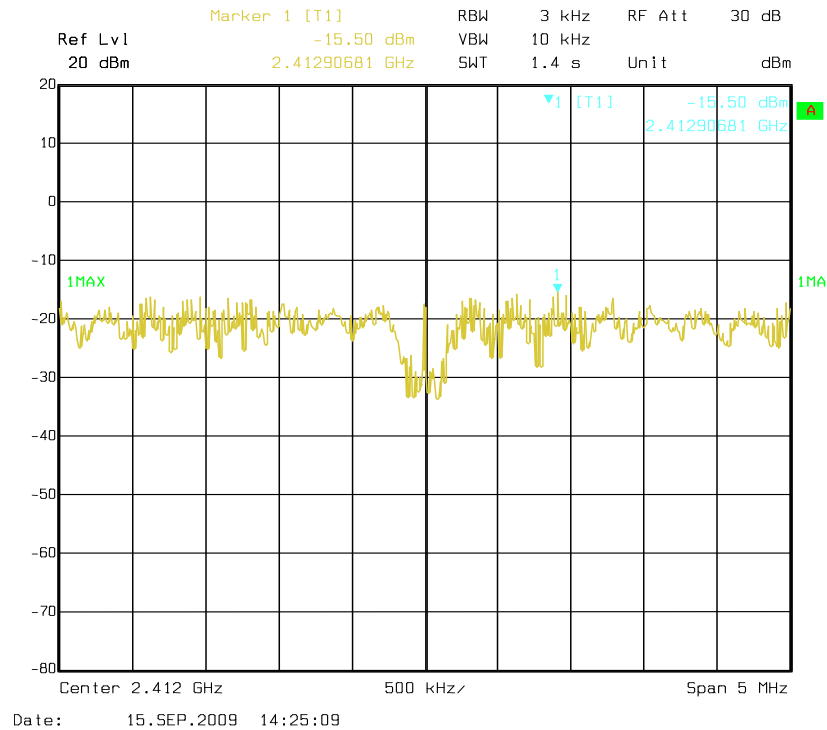
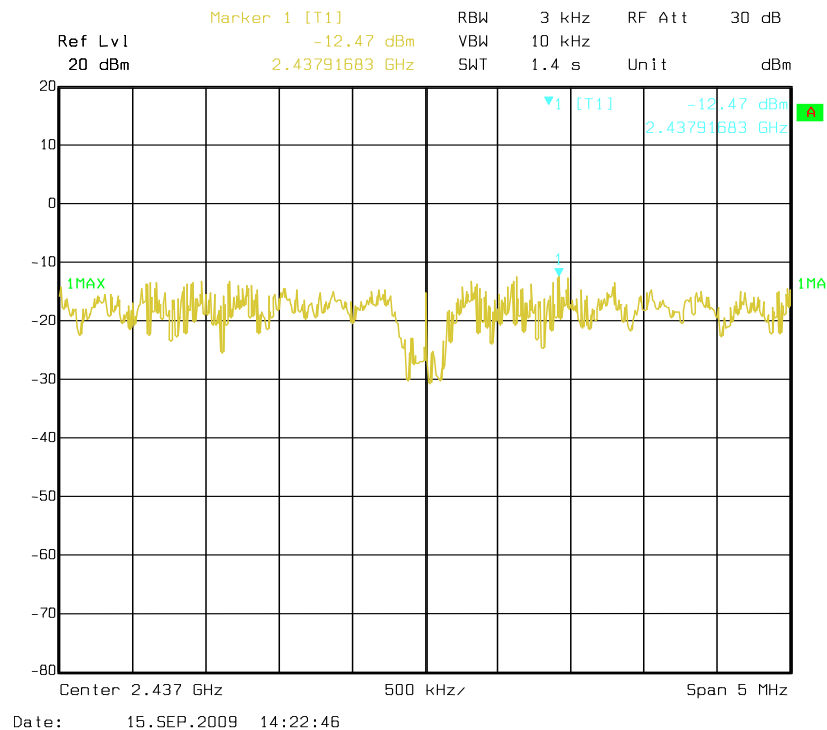
802.11b 1Mbps, High Channel

802.11b 5.5Mbps, Low Channel


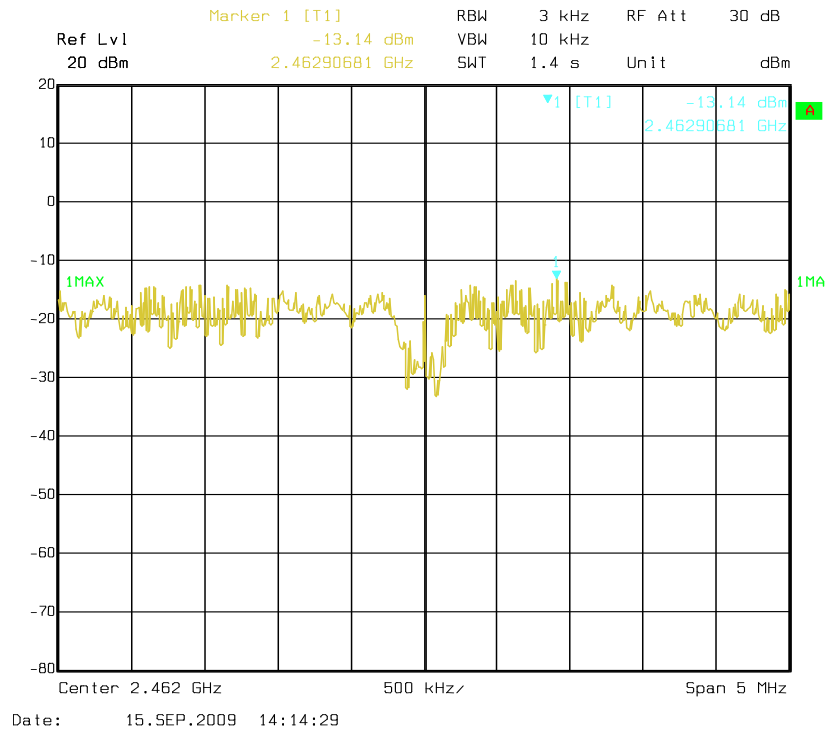
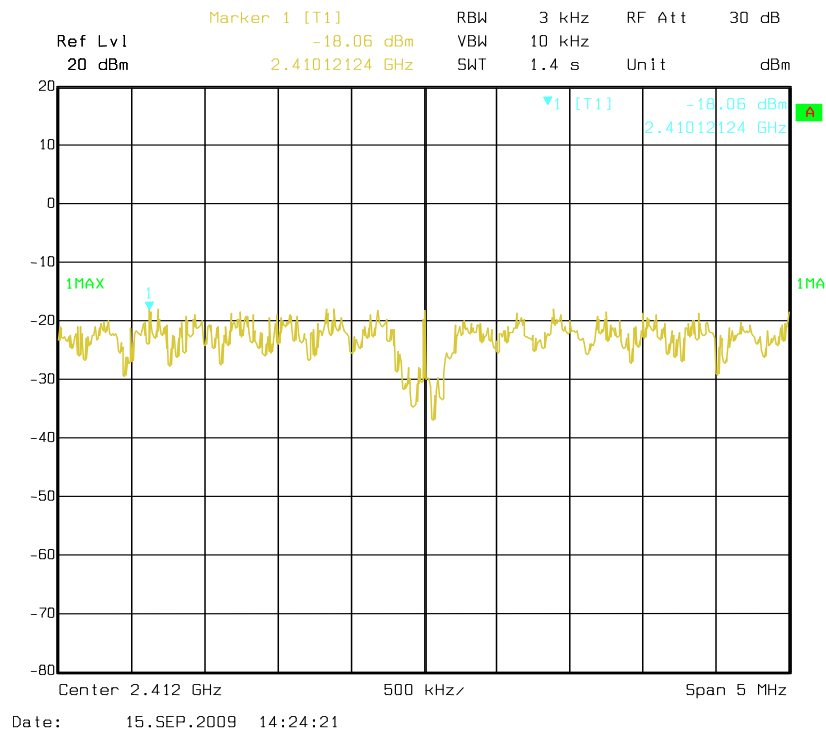
802.11b 5.5Mbps, Middle Channel

802.11b 5.5Mbps, High Channel


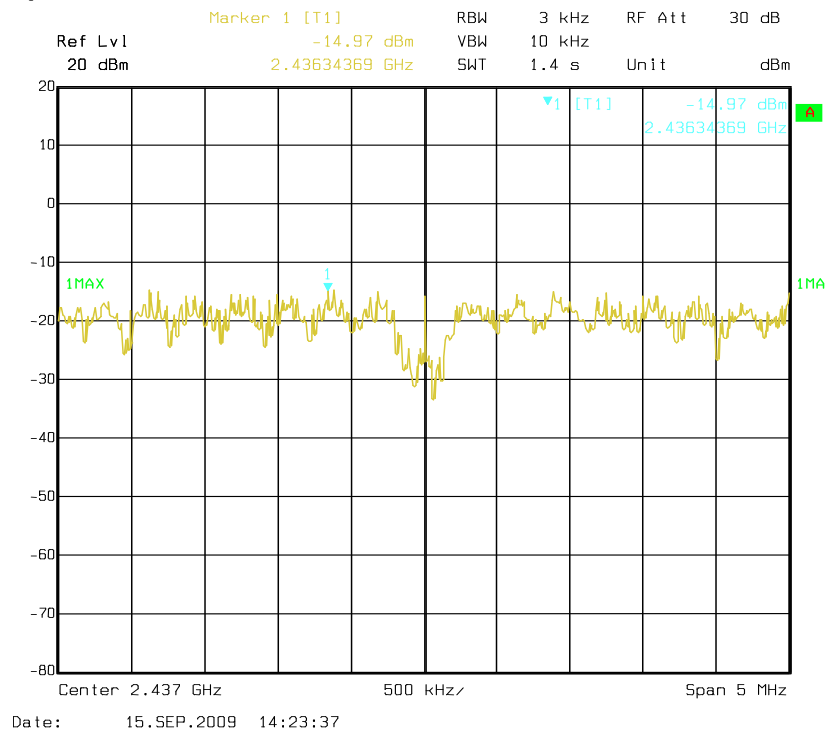
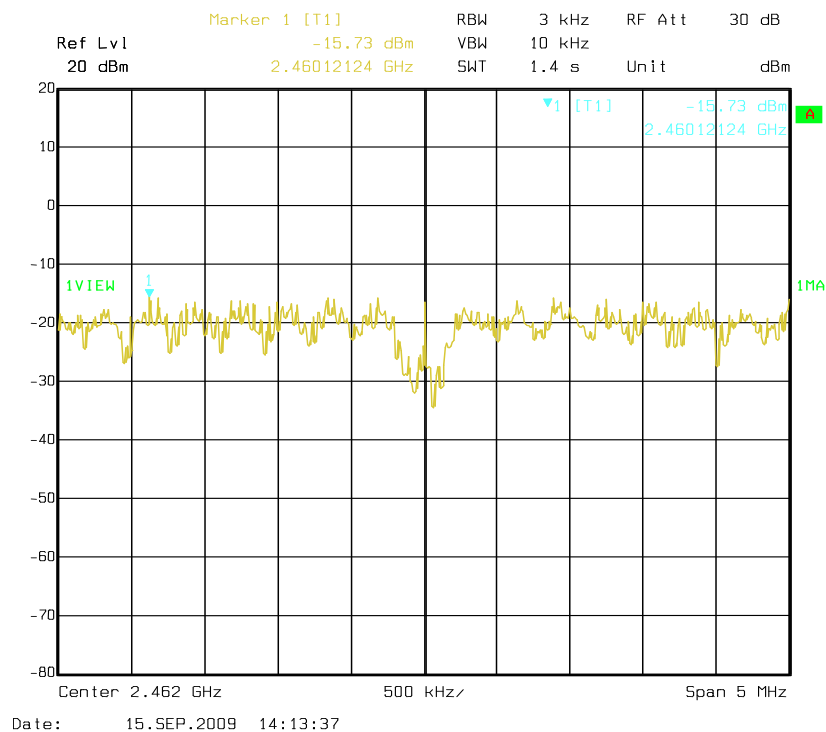
802.11b 11Mbps, Low Channel

802.11b 11Mbps, Middle Channel


802.11b 11Mbps, High Channel

802.11g 6Mbps, Low Channel


802.11g 6Mbps, Middle Channel

802.11g 6Mbps, High Channel


802.11g 24Mbps, Low Channel

802.11g 24Mbps, Middle Channel


802.11g 24Mbps, High Channel

802.11g 54Mbps, Low Channel


802.11g 54Mbps, Middle Channel

802.11g 54Mbps, High Channel


5.1.6 Spurious Emission

RESULT:
Passed

Date of testing : 2009-09-28 to 2009-11-05
 Test standard : FCC part 15.247(d)
 RSS-210 Clause 2.2
 Basic standard : ANSI C63.4: 2003
 Limits : Refer to 15.209(a) of FCC part 15.247(d)
 Refer to RSS-210 Table 2
 Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High
 Operation mode : A.1.a & A.1.b
 Ambient temperature : 23°C
 Relative humidity : 51%
 Atmospheric pressure : 100 kPa

Table 20: Test result of Spurious Emission

Low Channel							
Frequency (MHz)	Polarity (V/H)	Level Peak (dBuV/m)	Level Average (dBuV/m)	Limit Peak (dBuV/m)	Limit Average (dBuV/m)	Margin Peak (dB)	Margin Average (dB)
0.688	-	43.38	-	50.84	-	-7.46	-
Middle Channel							
0.748	-	43.14	-	50.12	-	-6.98	-
High Channel							
0.508	-	46.56	-	53.47	-	-6.91	-

Note:

Testing was carried out within frequency range 9kHz to the tenth harmonics, test results are far below the limit between 9kHz to 30MHz except above test results. For the measurement curves refers to appendix 1.

For other test results refers to following test curves.

Test Plot of Radiated emissions, Mode A.1.a, Low Channel, Low rate

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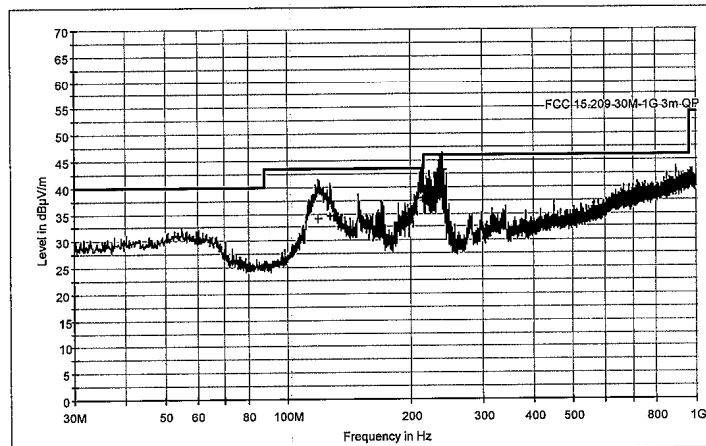
EMC Test Record (EMISSION)

Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1
Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Date: 9/28/2009 - Time: 2:57:07 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
118.500000	34.0	13.4	9.5	43.5	H
126.900000	34.5	14.0	9.0	43.5	H
213.500000	39.8	12.1	3.7	43.5	H
214.600000	38.0	12.1	5.5	43.5	H
236.250000	42.5	13.3	3.5	46.0	H
239.100000	43.2	13.4	2.8	46.0	H

Date: 9/28/2009 - Time: 2:57:07 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

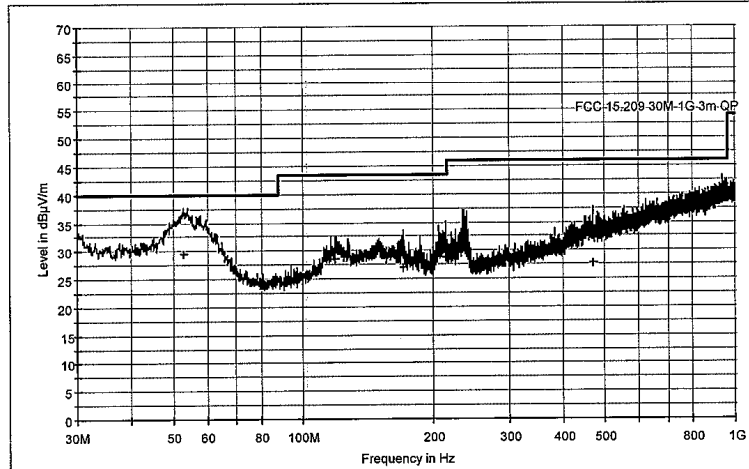
EMC Test Record (EMISSION)

Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Vertical

Subrange 1	
Frequency Range:	30MHz - 1GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Date: 9/23/2009 - Time: 5:11:59 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
52.800000	29.6	14.1	10.4	40.0	V
119.000000	28.5	13.4	15.0	43.5	V
170.700000	27.1	14.7	16.4	43.5	V
213.500000	28.9	12.1	14.6	43.5	V
234.550000	32.4	13.2	13.6	46.0	V
469.400000	27.7	19.0	18.3	46.0	V

Date: 9/23/2009 - Time: 5:11:59 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

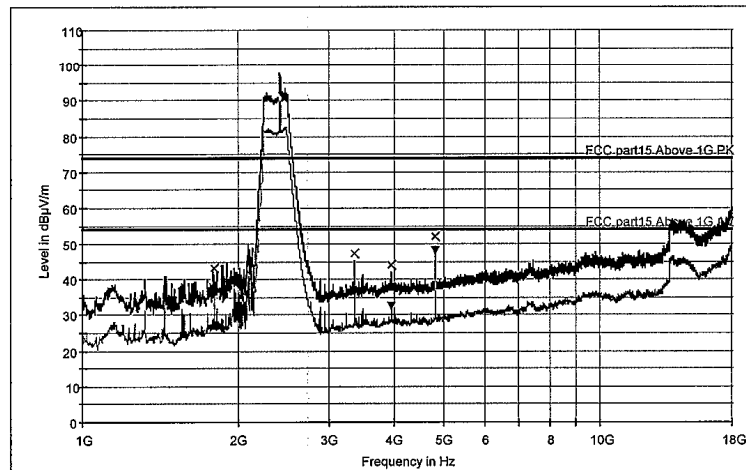
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:42:20 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1799.000000	43.2	-13.1	30.8	74.0	H
3359.000000	47.3	-8.0	26.7	74.0	H
3962.000000	44.1	-6.6	29.9	74.0	H
4824.000000	52.0	-5.5	22.0	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1799.000000	36.2	-13.1	17.8	54.0	H
3359.000000	36.5	-8.0	17.5	54.0	H
3962.000000	32.5	-6.6	21.5	54.0	H
4824.000000	47.9	-5.5	6.1	54.0	H

Date: 9/28/2009 - Time: 9:42:20 AM

Tested by: 

Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

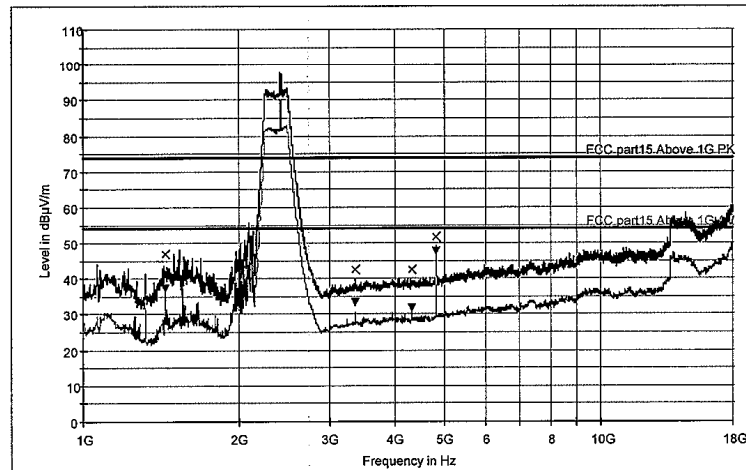
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013660 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:35:34 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	46.9	-14.7	27.1	74.0	V
3359.000000	42.4	-8.0	31.6	74.0	V
4319.000000	42.6	-7.0	31.4	74.0	V
4824.000000	51.7	-5.5	22.3	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	37.2	-14.7	16.8	54.0	V
3359.000000	33.5	-8.0	20.5	54.0	V
4319.000000	31.8	-7.0	22.2	54.0	V
4824.000000	47.5	-5.5	6.5	54.0	V

Date: 9/28/2009 - Time: 9:35:34 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

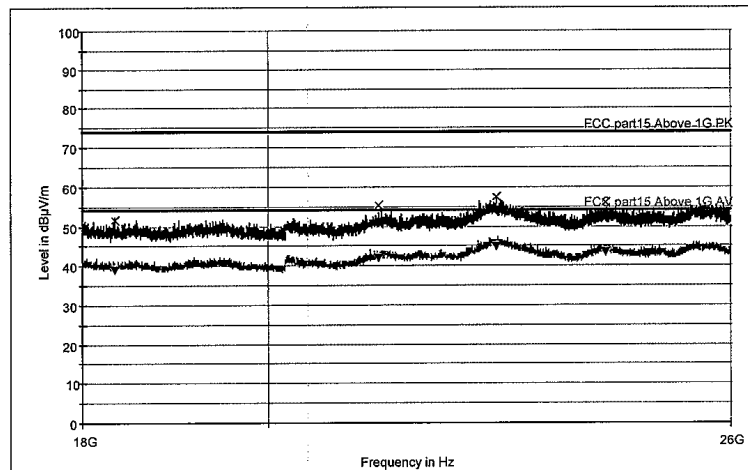
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 1:58:41 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
18340.000000	51.8	5.3	22.2	74.0	H
21304.000000	55.2	7.5	18.8	74.0	H
22770.000000	57.4	10.4	16.6	74.0	H
24214.000000	56.1	7.6	17.9	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
18340.000000	39.1	5.3	14.9	54.0	H
21304.000000	41.9	7.5	12.1	54.0	H
22770.000000	44.8	10.4	9.2	54.0	H
24214.000000	43.2	7.6	10.8	54.0	H

Date: 9/28/2009 - Time: 1:58:41 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

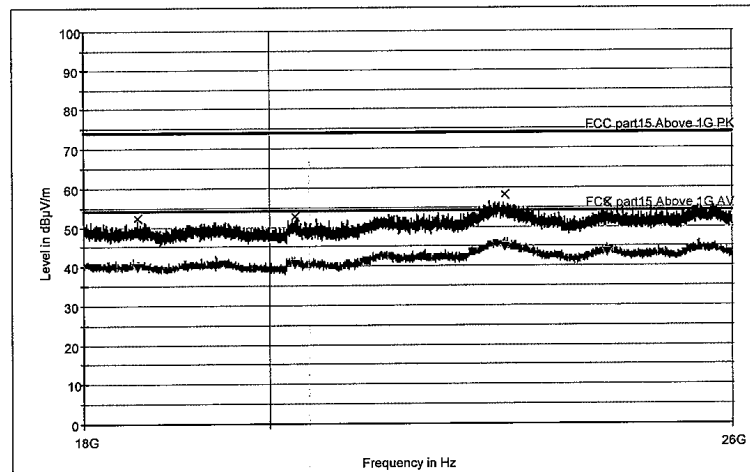
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 2:09:09 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
18556.000000	52.3	5.6	21.7	74.0	V
20289.000000	52.5	6.2	21.5	74.0	V
22853.000000	57.9	10.1	16.1	74.0	V
24227.000000	56.0	7.6	18.0	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
18556.000000	39.7	5.6	14.3	54.0	V
20289.000000	40.4	6.2	13.6	54.0	V
22853.000000	44.7	10.1	9.3	54.0	V
24227.000000	43.2	7.6	10.8	54.0	V

Date: 9/28/2009 - Time: 2:09:09 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions, Mode A.1.a, Middle Channel, Low rate

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

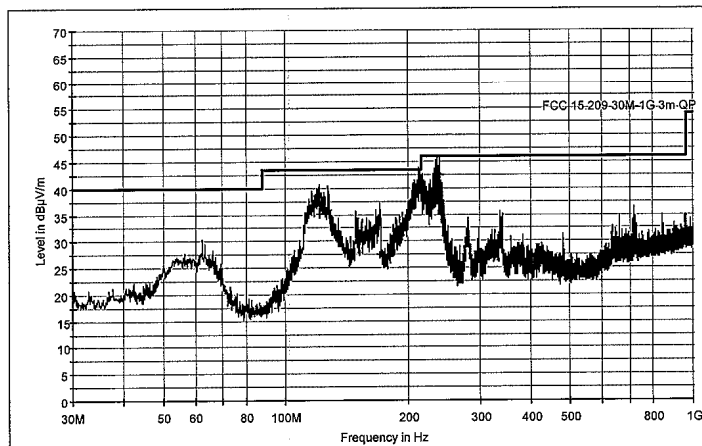
EMC Test Record (EMISSION)

Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Horizontal

Subrange 1
Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Date: 9/28/2009 - Time: 3:00:15 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
121.100000	35.2	13.6	8.3	43.5	H
127.500000	35.8	14.1	7.7	43.5	H
170.800000	27.5	14.7	16.0	43.5	H
213.100000	39.6	12.0	3.9	43.5	H
235.300000	42.6	13.3	3.4	46.0	H
240.000000	42.5	13.4	3.5	46.0	H

Date: 9/28/2009 - Time: 3:00:15 PM

Tested by: _____ Reviewed by: _____



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

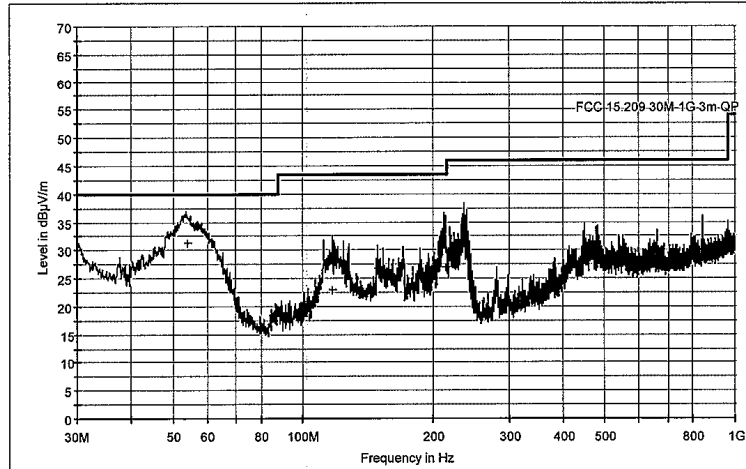
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	30MHz - 1GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Date: 9/23/2009 - Time: 5:20:33 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
53.900000	31.3	14.1	8.7	40.0	V
116.700000	22.9	13.2	20.6	43.5	V
149.200000	26.8	15.6	16.7	43.5	V
213.400000	27.1	12.1	16.4	43.5	V
235.500000	31.4	13.3	14.6	46.0	V
447.300000	30.5	18.7	15.5	46.0	V

Date: 9/23/2009 - Time: 5:20:33 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

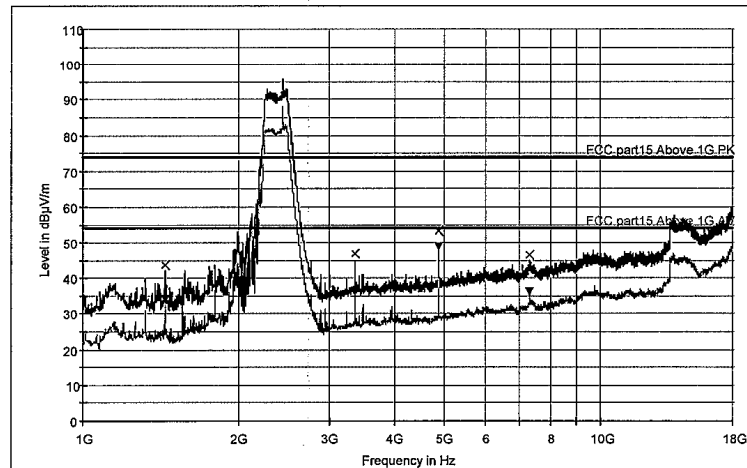
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:50:46 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	43.6	-14.7	30.4	74.0	H
3359.000000	46.8	-8.0	27.2	74.0	H
4874.000000	53.4	-5.6	20.6	74.0	H
7311.000000	46.6	0.4	27.4	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	34.2	-14.7	19.8	54.0	H
3359.000000	36.5	-8.0	17.5	54.0	H
4874.000000	48.8	-5.6	5.2	54.0	H
7311.000000	36.2	0.4	17.8	54.0	H

Date: 9/28/2009 - Time: 9:50:46 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

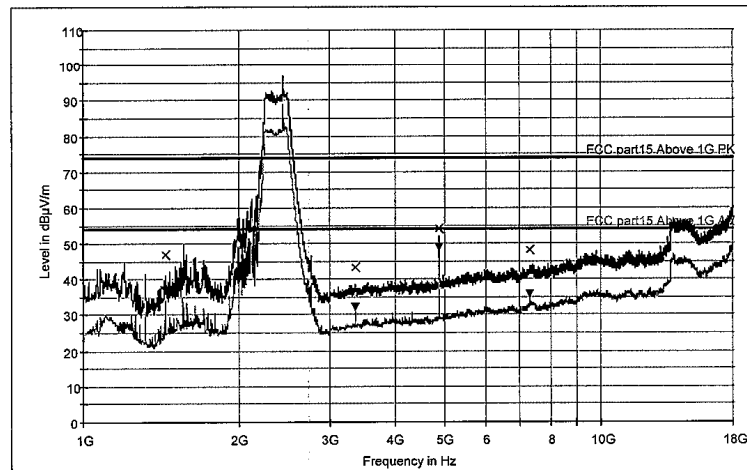
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:59:46 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	46.9	-14.7	27.1	74.0	V
3359.000000	43.2	-8.0	30.8	74.0	V
4874.000000	53.9	-5.6	20.1	74.0	V
7311.000000	47.9	0.4	26.1	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	37.1	-14.7	16.9	54.0	V
3359.000000	32.2	-8.0	21.8	54.0	V
4874.000000	48.8	-5.6	5.2	54.0	V
7311.000000	35.6	0.4	18.4	54.0	V

Date: 9/28/2009 - Time: 9:59:46 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

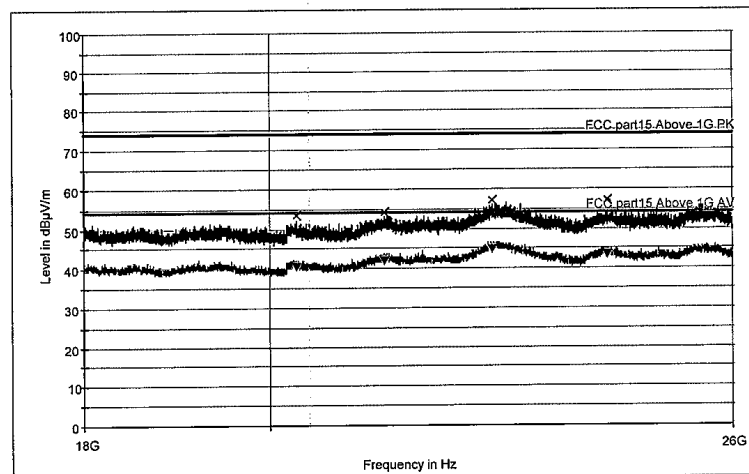
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 2008300
Report No.	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 1:54:20 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
20303.000000	53.5	6.2	20.5	74.0	H
21341.000000	54.3	7.5	19.7	74.0	H
22696.000000	57.2	10.5	16.8	74.0	H
24219.000000	57.0	7.6	17.0	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
20303.000000	40.5	6.2	13.5	54.0	H
21341.000000	41.9	7.5	12.1	54.0	H
22696.000000	44.6	10.5	9.4	54.0	H
24219.000000	43.2	7.6	10.8	54.0	H

Date: 9/28/2009 - Time: 1:54:20 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

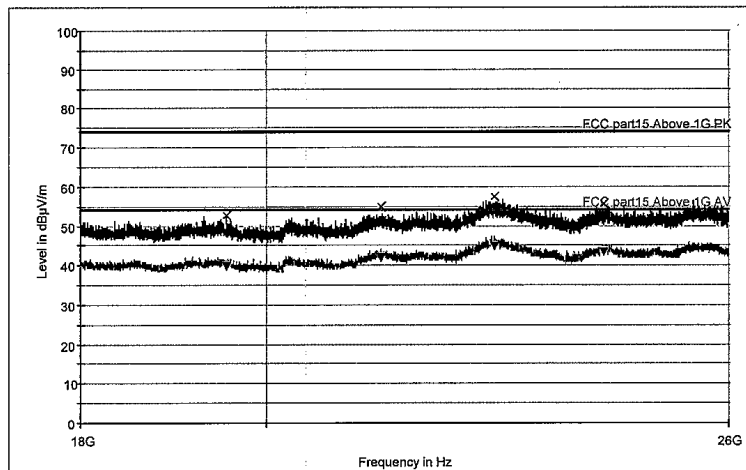
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 1:51:03 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19559.000000	52.9	6.3	21.1	74.0	V
21354.000000	54.9	7.5	19.1	74.0	V
22773.000000	57.3	10.4	16.7	74.0	V
24225.000000	55.5	7.6	18.5	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19559.000000	39.8	6.3	14.2	54.0	V
21354.000000	42.0	7.5	12.0	54.0	V
22773.000000	44.9	10.4	9.1	54.0	V
24225.000000	43.2	7.6	10.8	54.0	V

Date: 9/28/2009 - Time: 1:51:03 PM

Tested by: _____ Reviewed by: _____



Test Plot of Radiated emissions, Mode A.1.a, high Channel, Low rate

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

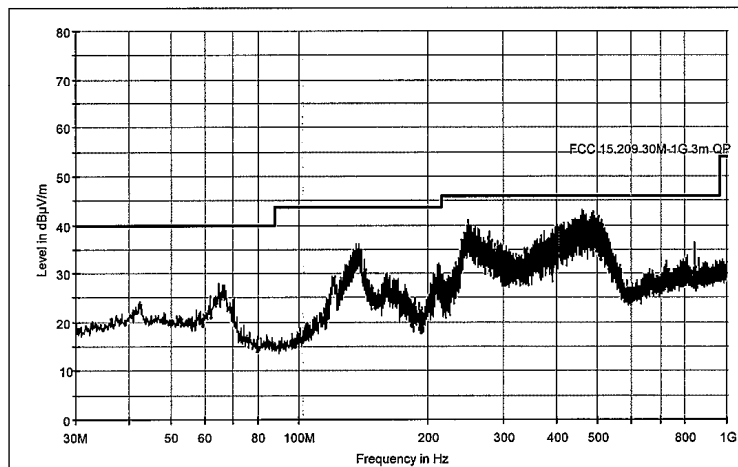
Test Information

Manufacturer: KODAK
 Test Item: Digital Frame
 Identification: W730
 Test Standard: FCC Part 15.247
 Test Detail: Radiated Emission
 Operation Mode: A.1.a, high channel, low rate
 Climate Condition: 23 °C; 53 %RH; 101 kPa.
 Test Voltage / Freq.: 110 V/ 60Hz
 Receipt No.: 163054443 200&300
 Report No.: 17013660 001
 Result: Pass
 Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
136.400000	31.6	14.7	11.9	43.5	H
249.200000	35.1	13.5	10.9	46.0	H
460.000000	40.0	18.9	6.0	46.0	H
483.300000	37.5	19.1	8.5	46.0	H

Date: 9/28/2009 - Time: 2:50:50 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

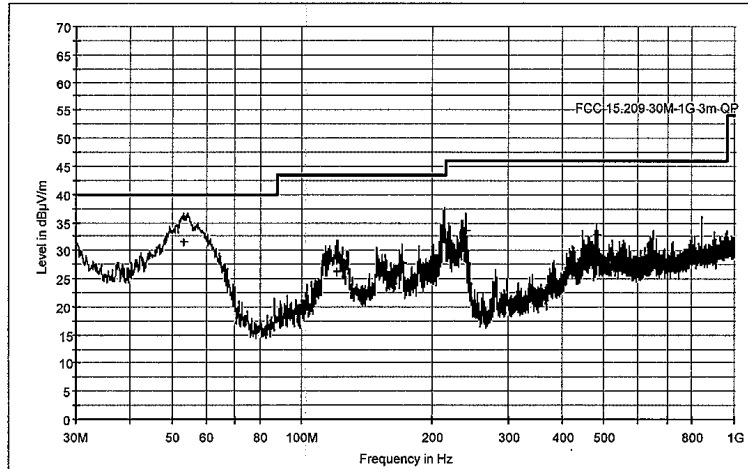
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, high channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	30MHz - 1GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Date: 9/23/2009 - Time: 5:48:28 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
53.100000	31.7	14.1	8.3	40.0	V
120.300000	26.3	13.6	17.2	43.5	V
170.900000	27.8	14.6	15.7	43.5	V
214.000000	32.0	12.1	11.5	43.5	V
240.000000	33.6	13.4	12.4	46.0	V
479.100000	32.9	19.1	13.1	46.0	V

Date: 9/23/2009 - Time: 5:48:28 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

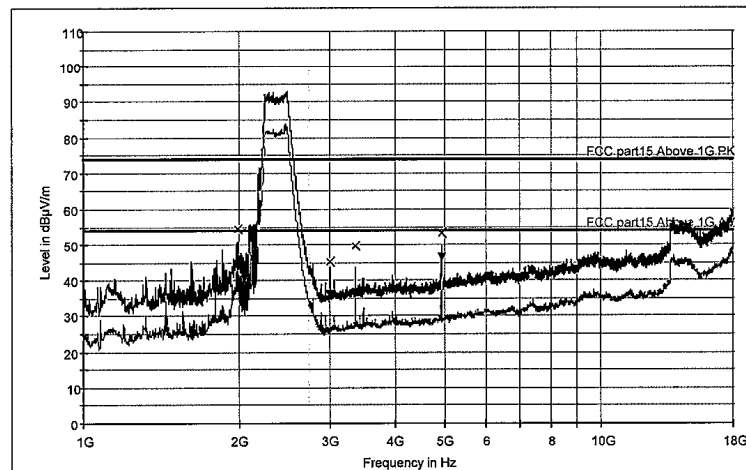
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, high channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/27/2009 - Time: 5:30:26 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1984.000000	54.5	-10.9	19.5	74.0	H
3001.000000	45.2	-9.3	28.8	74.0	H
3361.000000	49.6	-8.0	24.4	74.0	H
4924.000000	53.1	-5.7	20.9	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1984.000000	44.0	-10.9	10.0	54.0	H
3001.000000	36.2	-9.3	17.8	54.0	H
3361.000000	36.6	-8.0	17.4	54.0	H
4924.000000	46.6	-5.7	7.4	54.0	H

Date: 9/27/2009 - Time: 5:30:26 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

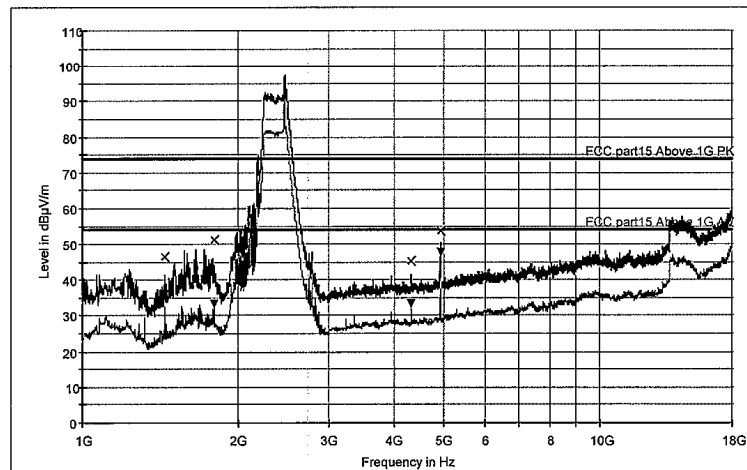
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, high channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013660 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/27/2009 - Time: 5:40:11 PM

Tested by:  Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	46.6	-14.7	27.4	74.0	V
1799.000000	51.1	-13.1	22.9	74.0	V
4319.000000	45.4	-7.0	28.6	74.0	V
4924.000000	53.6	-5.7	20.4	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1440.000000	36.0	-14.7	18.0	54.0	V
1799.000000	33.2	-13.1	20.8	54.0	V
4319.000000	33.4	-7.0	20.6	54.0	V
4924.000000	47.8	-5.7	6.2	54.0	V

Date: 9/27/2009 - Time: 5:40:11 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

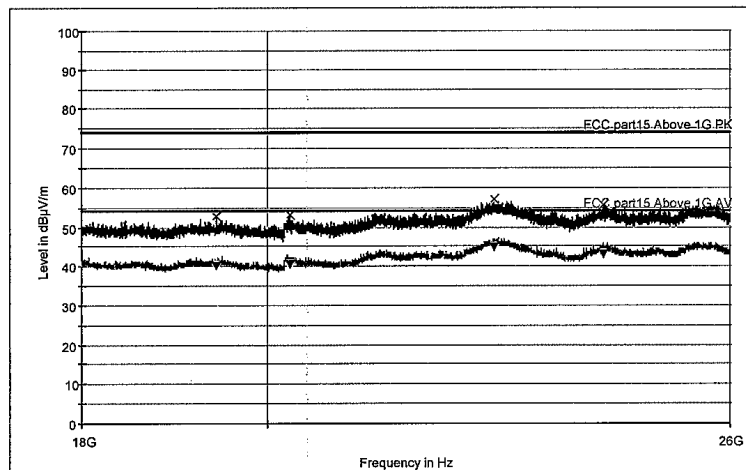
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, high channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 1:39:33 PM

Tested by:  2009.10.12 Reviewed by:  2009.10.12 Checked

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19425.000000	52.7	6.4	21.3	74.0	H
20265.000000	53.1	6.2	20.9	74.0	H
22746.000000	56.9	10.4	17.1	74.0	H
24200.000000	55.7	7.6	18.3	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19425.000000	40.0	6.4	14.0	54.0	H
20265.000000	40.4	6.2	13.6	54.0	H
22746.000000	44.9	10.4	9.1	54.0	H
24200.000000	43.1	7.6	10.9	54.0	H

Date: 9/28/2009 - Time: 1:39:33 PM

Tested by: 

Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

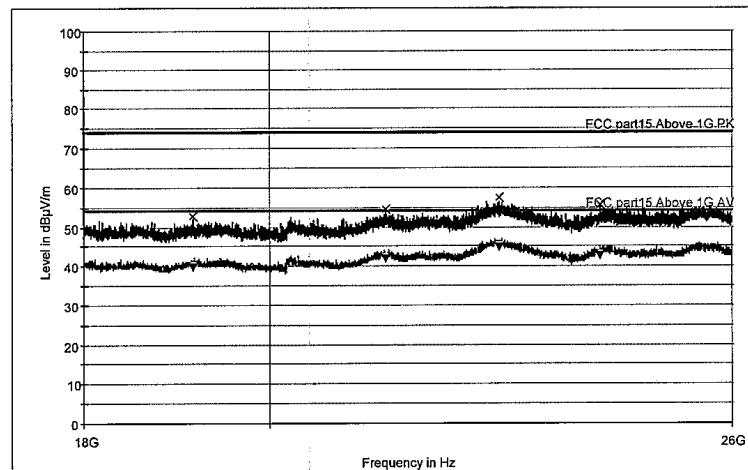
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, high channel, low rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 1:35:20 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19152.000000	52.6	6.3	21.4	74.0	V
21373.000000	54.5	7.6	19.5	74.0	V
22786.000000	57.4	10.3	16.6	74.0	V
24118.000000	55.6	7.5	18.4	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19152.000000	39.8	6.3	14.2	54.0	V
21373.000000	41.9	7.6	12.1	54.0	V
22786.000000	44.9	10.3	9.1	54.0	V
24118.000000	42.7	7.5	11.3	54.0	V

Date: 9/28/2009 - Time: 1:35:20 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions, Mode A.1.a, Low Channel,high rate

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

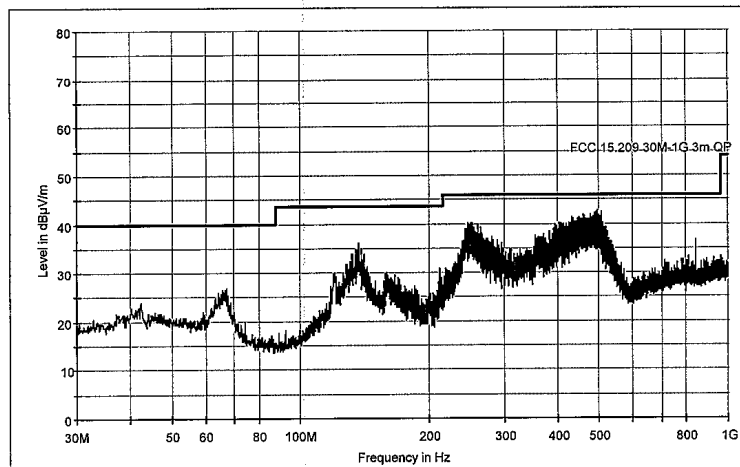
Test Information

Manufacturer: KODAK
 Test Item: Digital Frame
 Identification: W730
 Test Standard: FCC Part 15.247
 Test Detail: Radiated Emission
 Operation Mode: A.1.a, low channel, high rate
 Climate Condition: 23 °C; 53 %RH; 101 kPa.
 Test Voltage / Freq. : 110 V/ 60Hz
 Receipt No.: 163054443 200&300
 Report No. 17013660 001
 Result: Pass
 Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
137.500000	31.2	14.8	12.3	43.5	H
247.400000	36.2	13.5	9.8	46.0	H
433.000000	37.6	18.4	8.4	46.0	H
492.100000	40.2	19.3	5.8	46.0	H

Date: 9/28/2009 - Time: 3:28:36 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

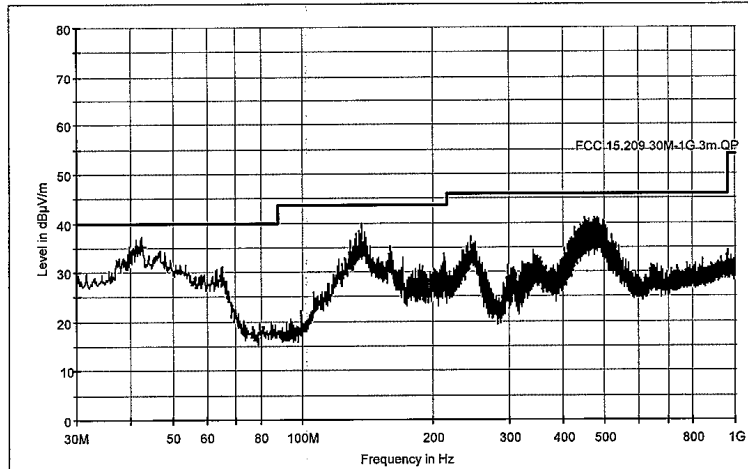
Test Information

Manufacturer: KODAK
 Test Item: Digital Frame
 Identification: W730
 Test Standard: FCC Part 15.247
 Test Detail: Radiated Emission
 Operation Mode: A.1.a, low channel, high rate
 Climate Condition: 23 °C; 53 %RH; 101 kPa.
 Test Voltage / Freq.: 110 V/ 60Hz
 Receipt No.: 163054443 200&300
 Report No.: 17013360 001
 Result: Pass
 Comment: Vertical

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
42.400000	35.1	14.6	4.9	40.0	V
137.400000	33.6	14.8	9.9	43.5	V
244.600000	33.5	13.5	12.5	46.0	V
474.300000	38.1	19.0	7.9	46.0	V

Date: 9/28/2009 - Time: 3:21:40 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

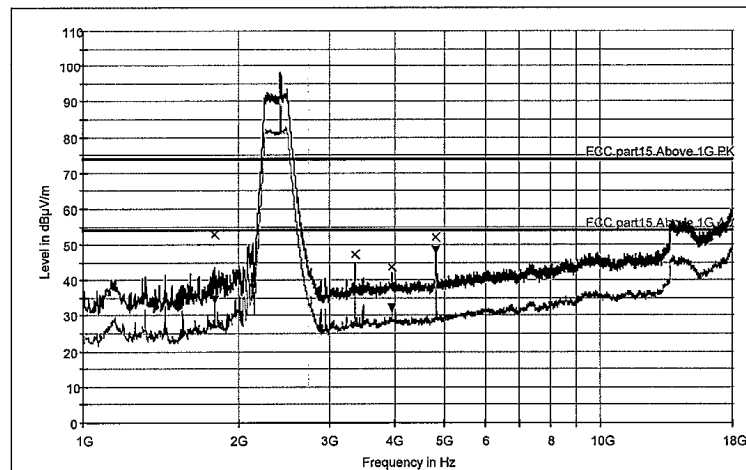
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, high rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:09:06 AM

Tested by: 

Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1799.000000	52.8	-13.1	21.2	74.0	H
3361.000000	47.3	-8.0	26.7	74.0	H
3962.000000	43.8	-6.6	30.2	74.0	H
4824.000000	52.0	-5.5	22.0	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1799.000000	34.5	-13.1	19.5	54.0	H
3361.000000	36.8	-8.0	17.2	54.0	H
3962.000000	32.1	-6.6	21.9	54.0	H
4824.000000	48.4	-5.5	5.6	54.0	H

Date: 9/28/2009 - Time: 9:09:06 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

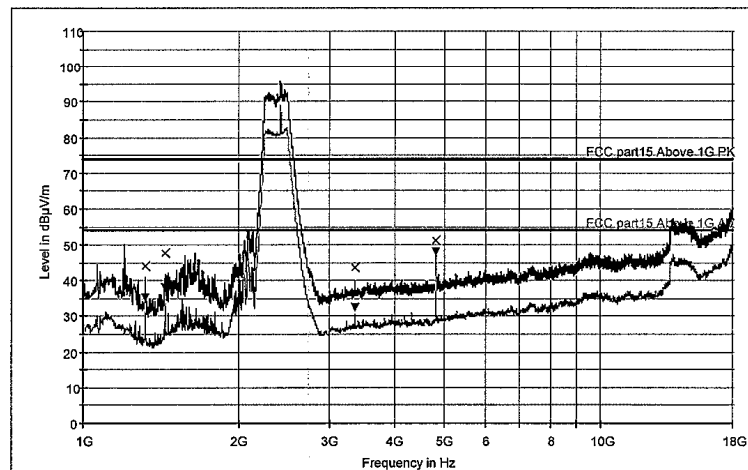
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, high rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 9:21:16 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1319.000000	44.1	-15.2	29.9	74.0	V
1440.000000	47.6	-14.7	26.4	74.0	V
3359.000000	43.8	-8.0	30.2	74.0	V
4824.000000	51.2	-5.5	22.8	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1319.000000	35.2	-15.2	18.8	54.0	V
1440.000000	38.0	-14.7	16.0	54.0	V
3359.000000	32.7	-8.0	21.3	54.0	V
4824.000000	47.9	-5.5	6.1	54.0	V

Date: 9/28/2009 - Time: 9:21:16 AM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

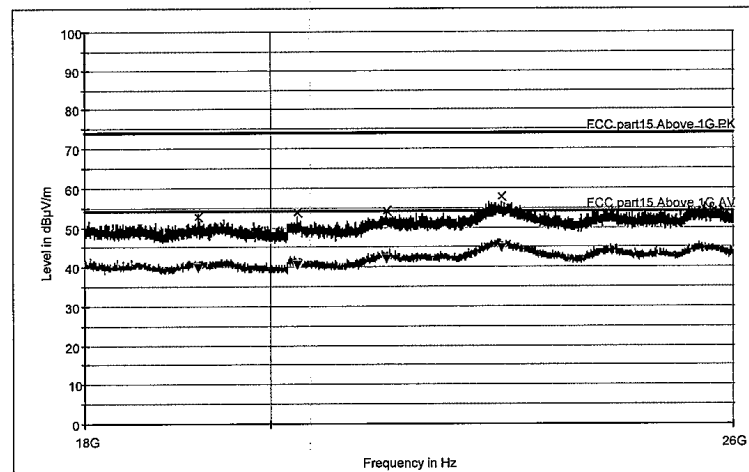
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, high rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013660 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 2:02:06 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19199.000000	52.8	6.4	21.2	74.0	H
20310.000000	53.9	6.2	20.1	74.0	H
21366.000000	54.2	7.5	19.8	74.0	H
22802.000000	57.7	10.3	16.3	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19199.000000	39.8	6.4	14.2	54.0	H
20310.000000	40.4	6.2	13.6	54.0	H
21366.000000	42.0	7.5	12.0	54.0	H
22802.000000	44.7	10.3	9.3	54.0	H

Date: 9/28/2009 - Time: 2:02:06 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

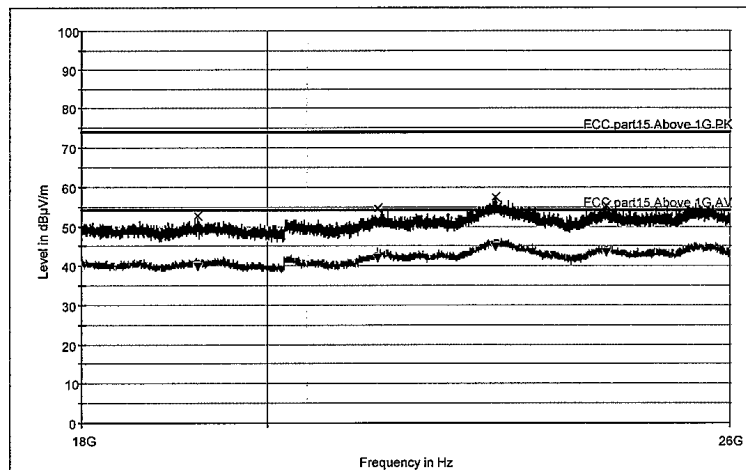
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, low channel, high rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq.:	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.:	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	18GHz - 26GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09

Pre TUV 18 to 26 3160-09



Date: 9/28/2009 - Time: 2:05:57 PM



 Tested by:



 Reviewed by:

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19225.000000	52.6	6.4	21.4	74.0	V
21296.000000	54.5	7.5	19.5	74.0	V
22759.000000	57.4	10.4	16.6	74.0	V
24243.000000	55.4	7.6	18.6	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
19225.000000	39.8	6.4	14.2	54.0	V
21296.000000	41.9	7.5	12.1	54.0	V
22759.000000	44.9	10.4	9.1	54.0	V
24243.000000	43.2	7.6	10.8	54.0	V

Date: 9/28/2009 - Time: 2:05:57 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions, Mode A.1.a, Middle Channel, high rate

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

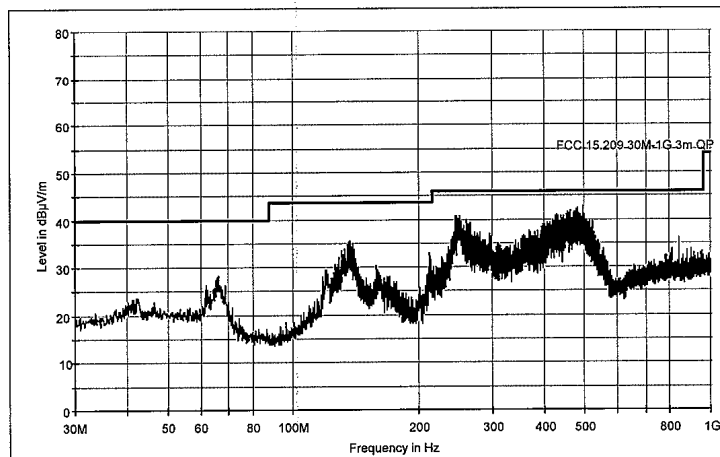
Test Information

Manufacturer: KODAK
 Test Item: Digital Frame
 Identification: W730
 Test Standard: FCC Part 15.247
 Test Detail: Radiated Emission
 Operation Mode: A.1.a, mid channel, high rate
 Climate Condition: 23 °C; 53 %RH; 101 kPa.
 Test Voltage / Freq.: 110 V/ 60Hz
 Receipt No.: 163054443 200&300
 Report No.: 17013360 001
 Result: Pass
 Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
137.500000	30.4	14.8	13.1	43.5	H
250.200000	37.6	13.5	8.4	46.0	H
463.400000	38.4	18.9	7.6	46.0	H
496.400000	40.0	19.4	6.0	46.0	H

Date: 9/28/2009 - Time: 3:07:15 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

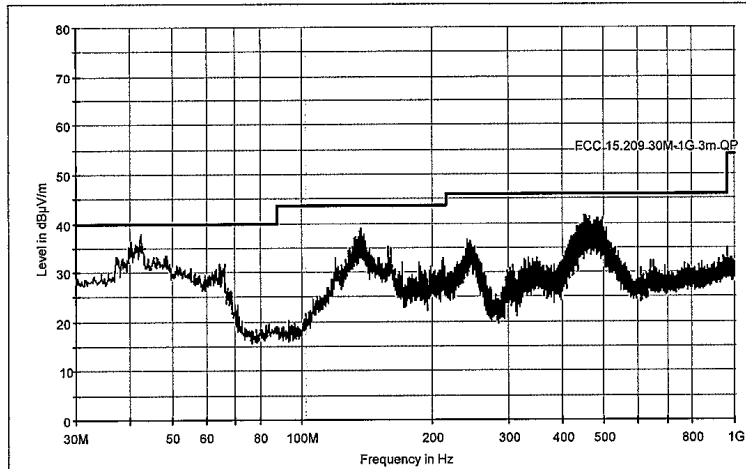
Test Information

Manufacturer: KODAK
 Test Item: Digital Frame
 Identification: W730
 Test Standard: FCC Part 15.247
 Test Detail: Radiated Emission
 Operation Mode: A.1.a, mid channel, high rate
 Climate Condition: 23 °C; 53 %RH; 101 kPa.
 Test Voltage / Freq.: 110 V/ 60Hz
 Receipt No.: 163054443 200&300
 Report No.: 17013360 001
 Result: Pass
 Comment: Vertical

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168

Pre TUV 30M to 1G UVLB9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
42.400000	35.1	14.6	4.9	40.0	V
137.500000	33.9	14.8	9.6	43.5	V
242.000000	32.8	13.4	13.2	46.0	V
452.400000	38.6	18.8	7.4	46.0	V

Date: 9/28/2009 - Time: 3:13:08 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

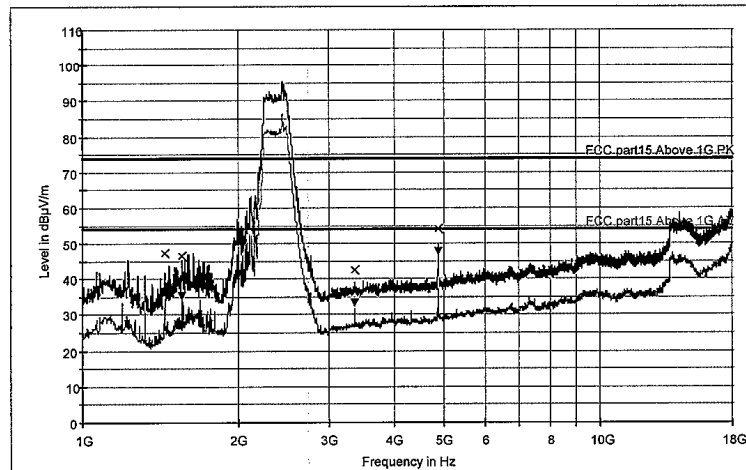
Test Information

Manufacturer:	KODAK
Test Item:	Digital Frame
Identification:	W730
Test Standard:	FCC Part 15.247
Test Detail:	Radiated Emission
Operation Mode:	A.1.a, mid channel, high rate
Climate Condition:	23 °C; 53 %RH; 101 kPa.
Test Voltage / Freq. :	110 V/ 60Hz
Receipt No.:	163054443 200&300
Report No.	17013360 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	1GHz - 18GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

Pre TUV 1 to 18G HF906



Date: 9/28/2009 - Time: 10:07:39 AM

Tested by:



Reviewed by:

