

7. Occupied Bandwidth

7.1. Test Equipment

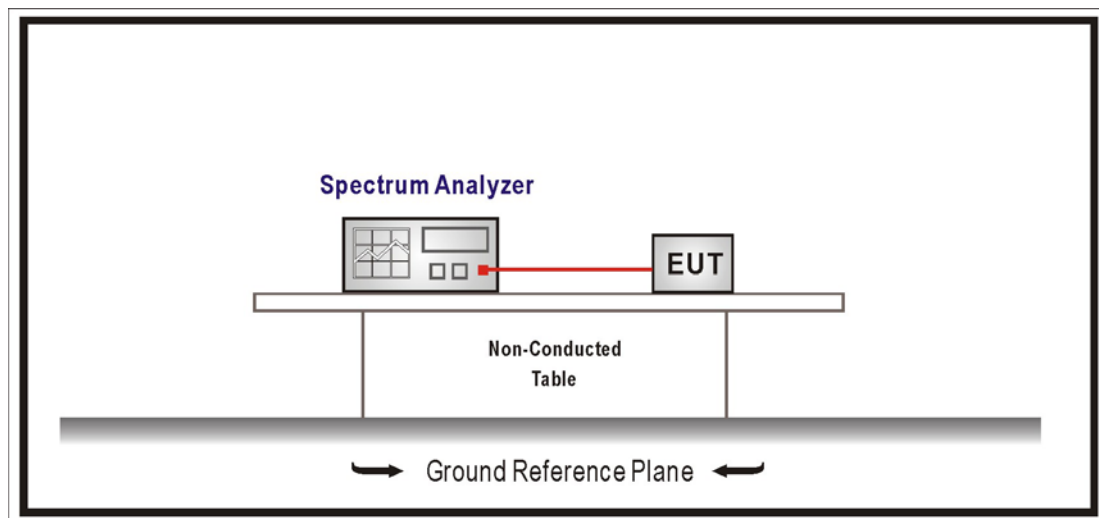
The following test equipment is used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

7.6. Uncertainty

The measurement uncertainty is defined as $\pm 150\text{Hz}$

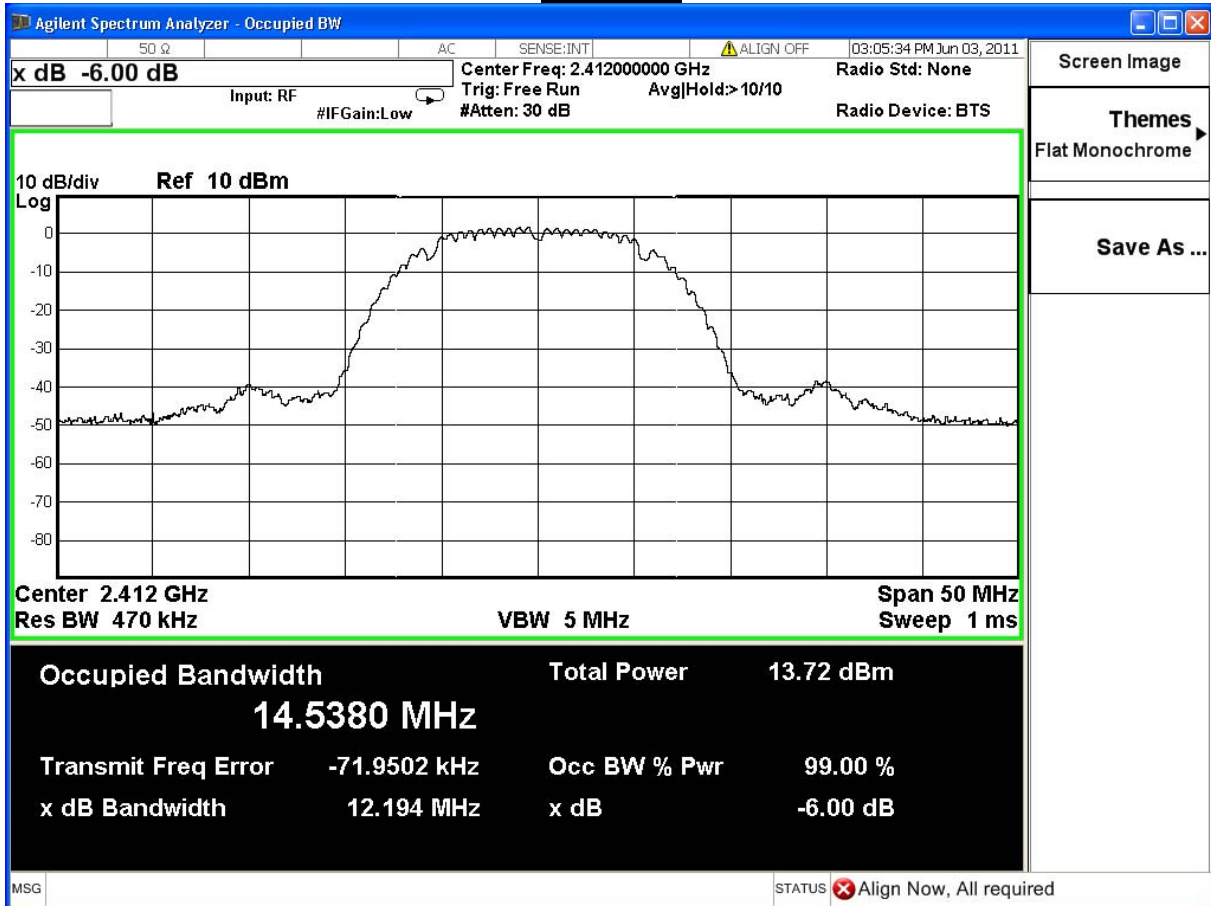
7.7. Test Result

Product	Wireless N Day/Night Home Network Camera		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

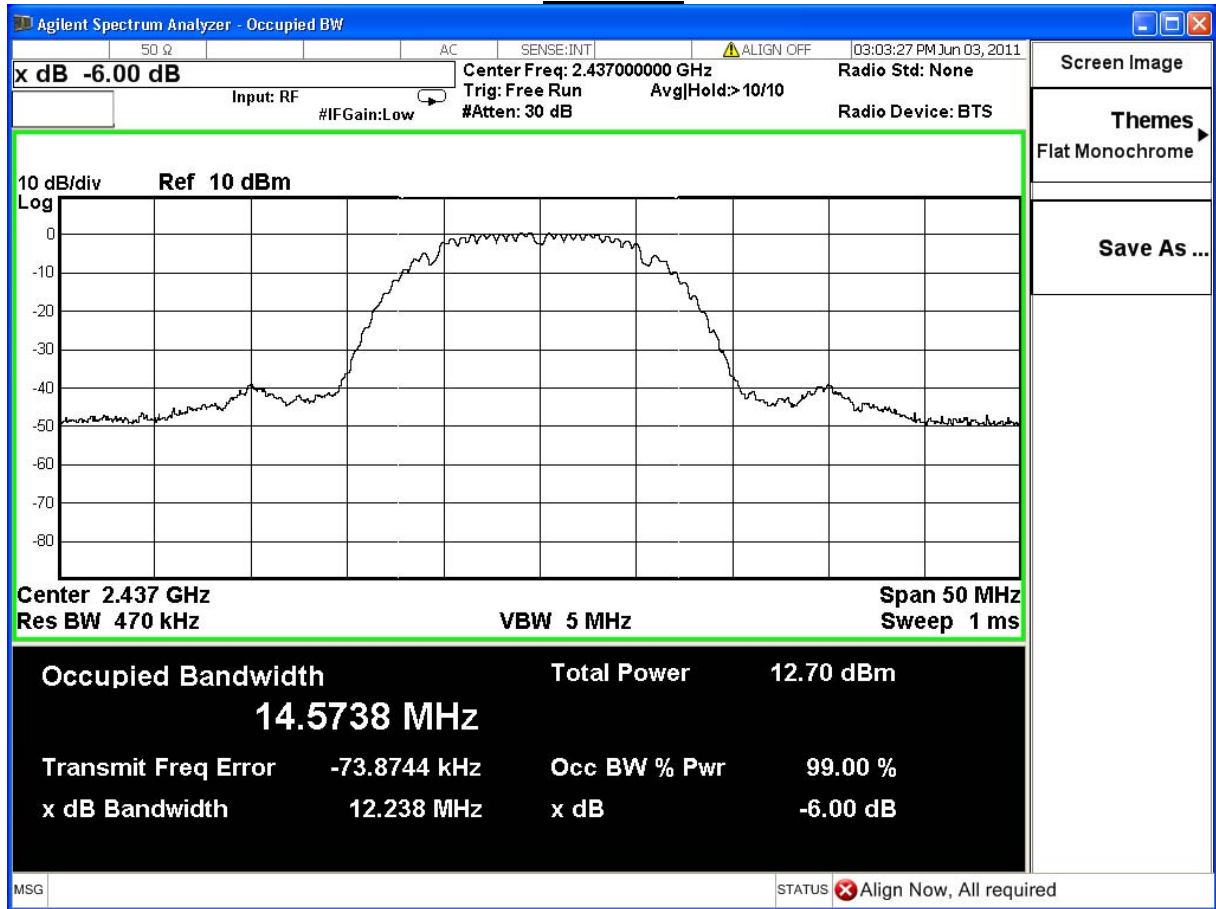
802.11 b

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	12.194	≥ 500	Pass
6	2437	12.238	≥ 500	Pass
11	2462	12.240	≥ 500	Pass

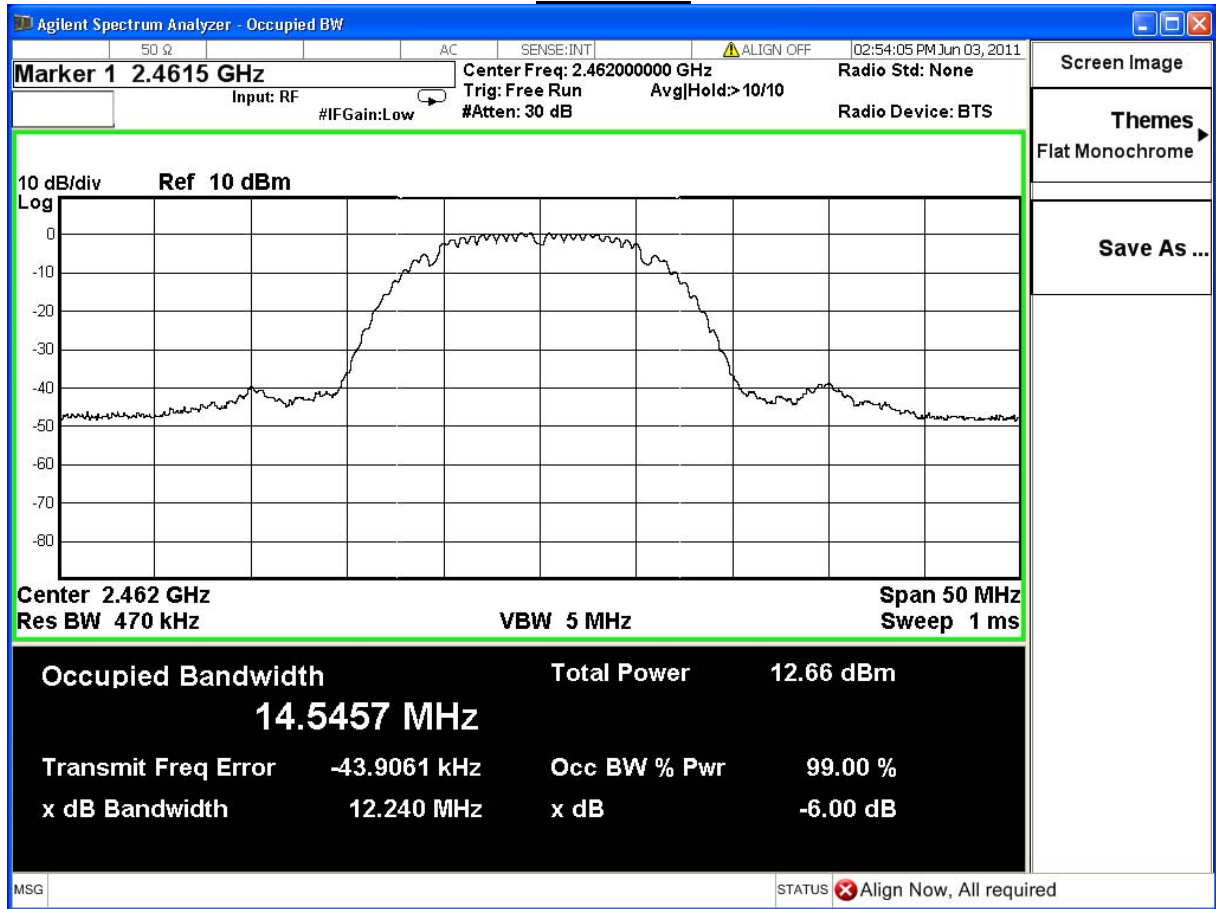
Channel 1



Channel 6



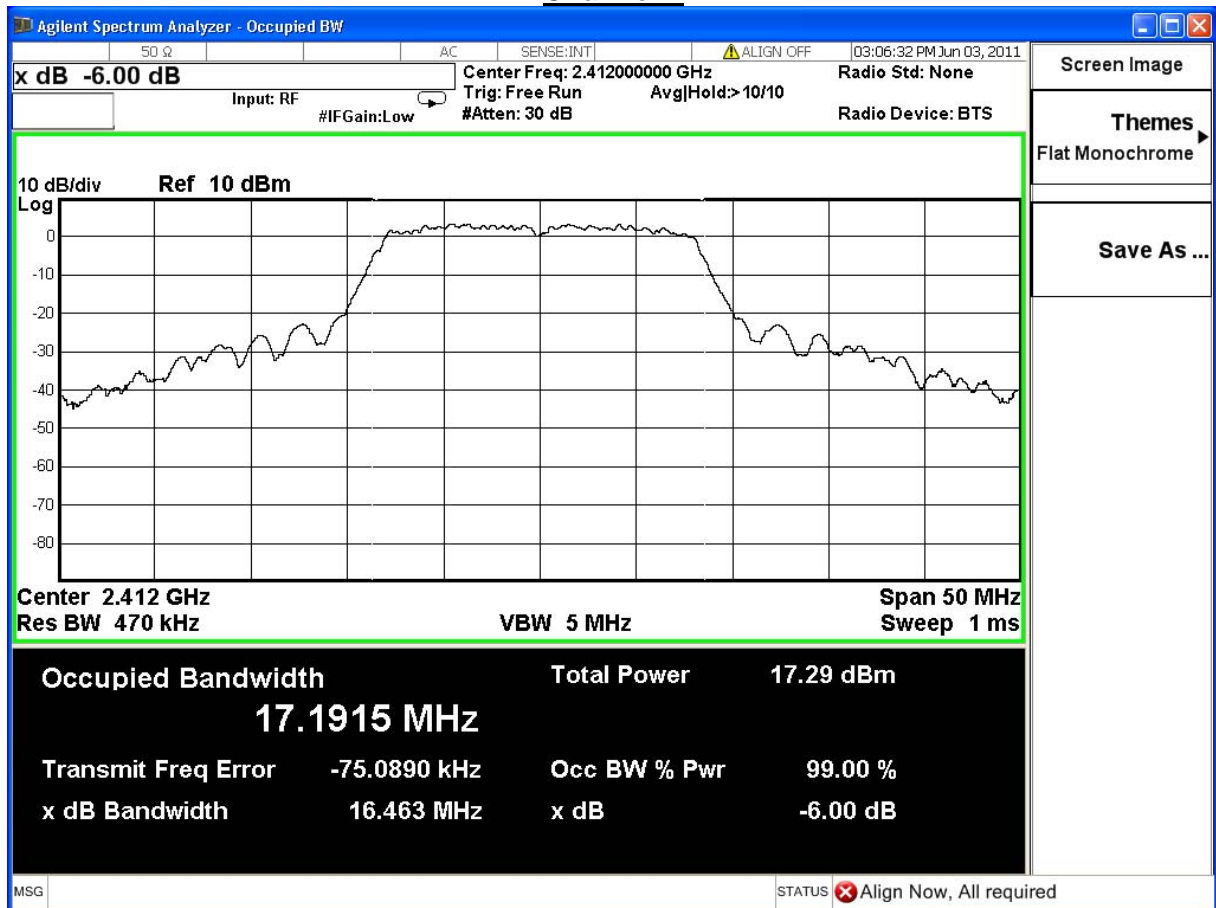
Channel 11



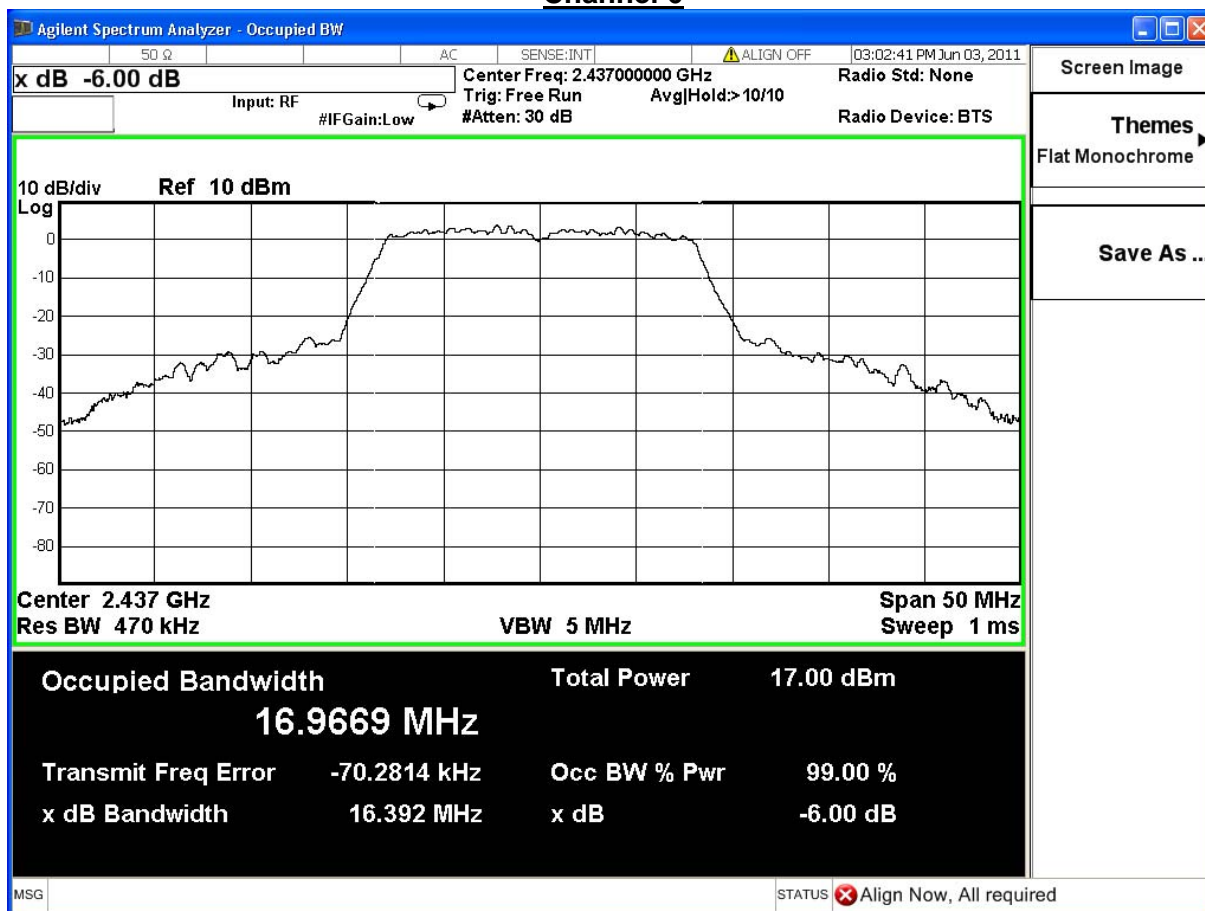
Product	Wireless N Day/Night Home Network Camera		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	16.463	≥ 500	Pass
6	2437	16.392	≥ 500	Pass
11	2462	16.417	≥ 500	Pass

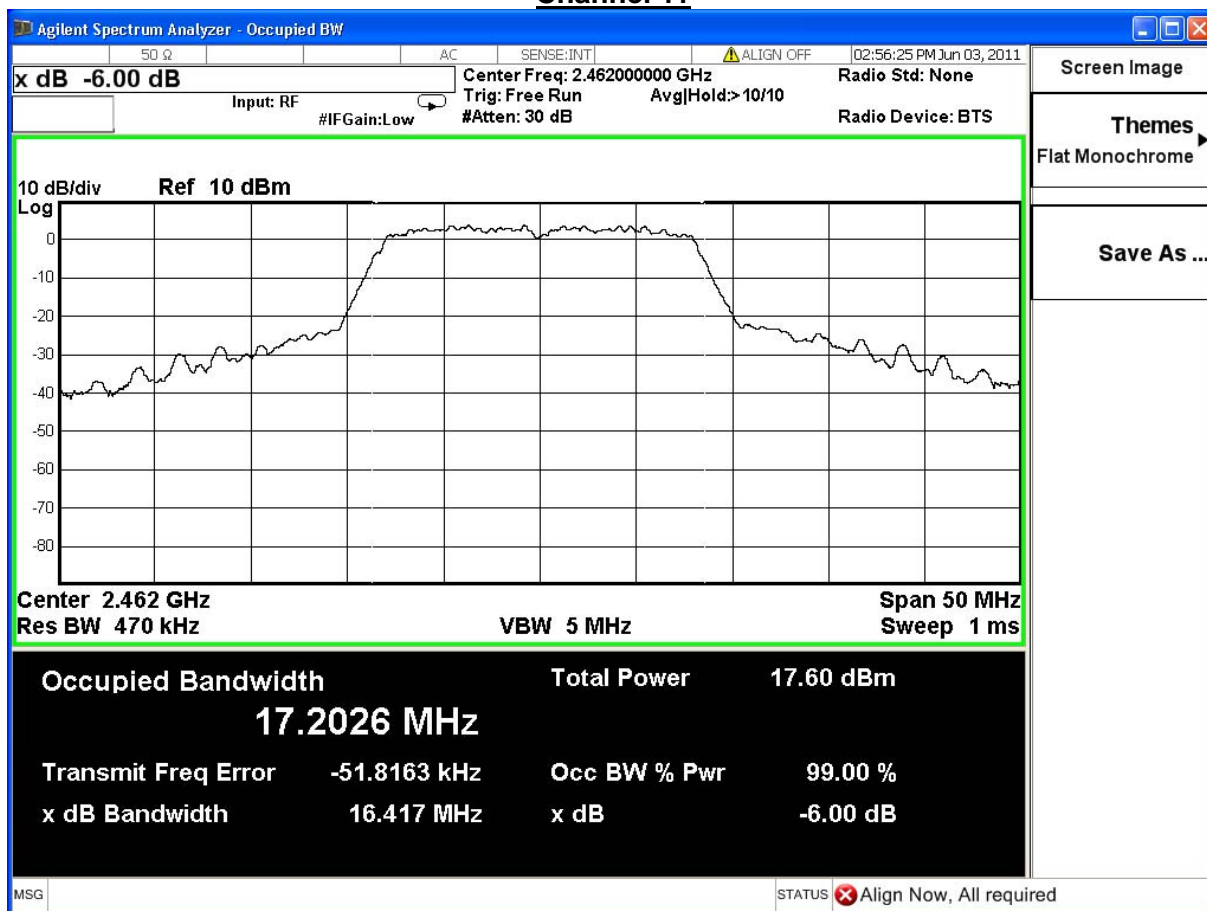
Channel 1



Channel 6



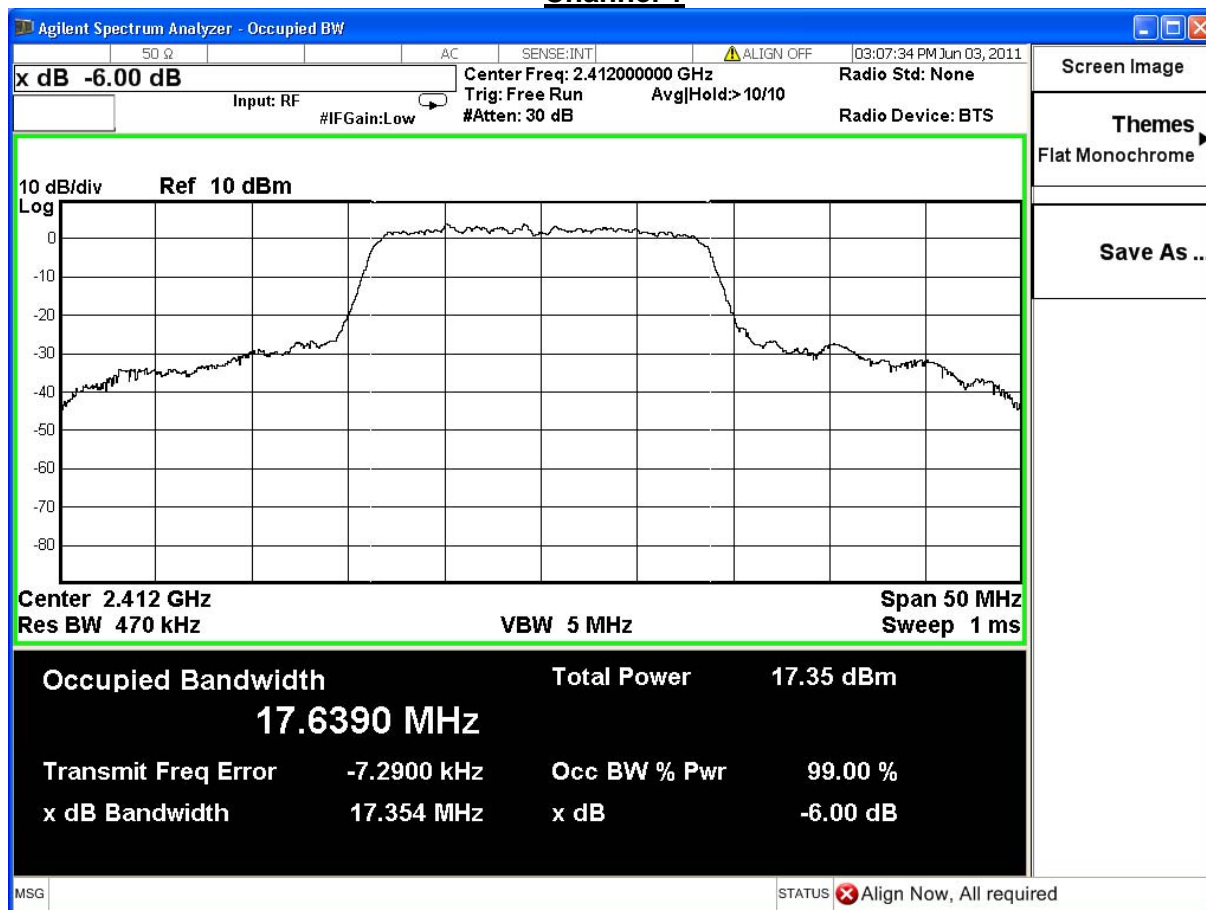
Channel 11



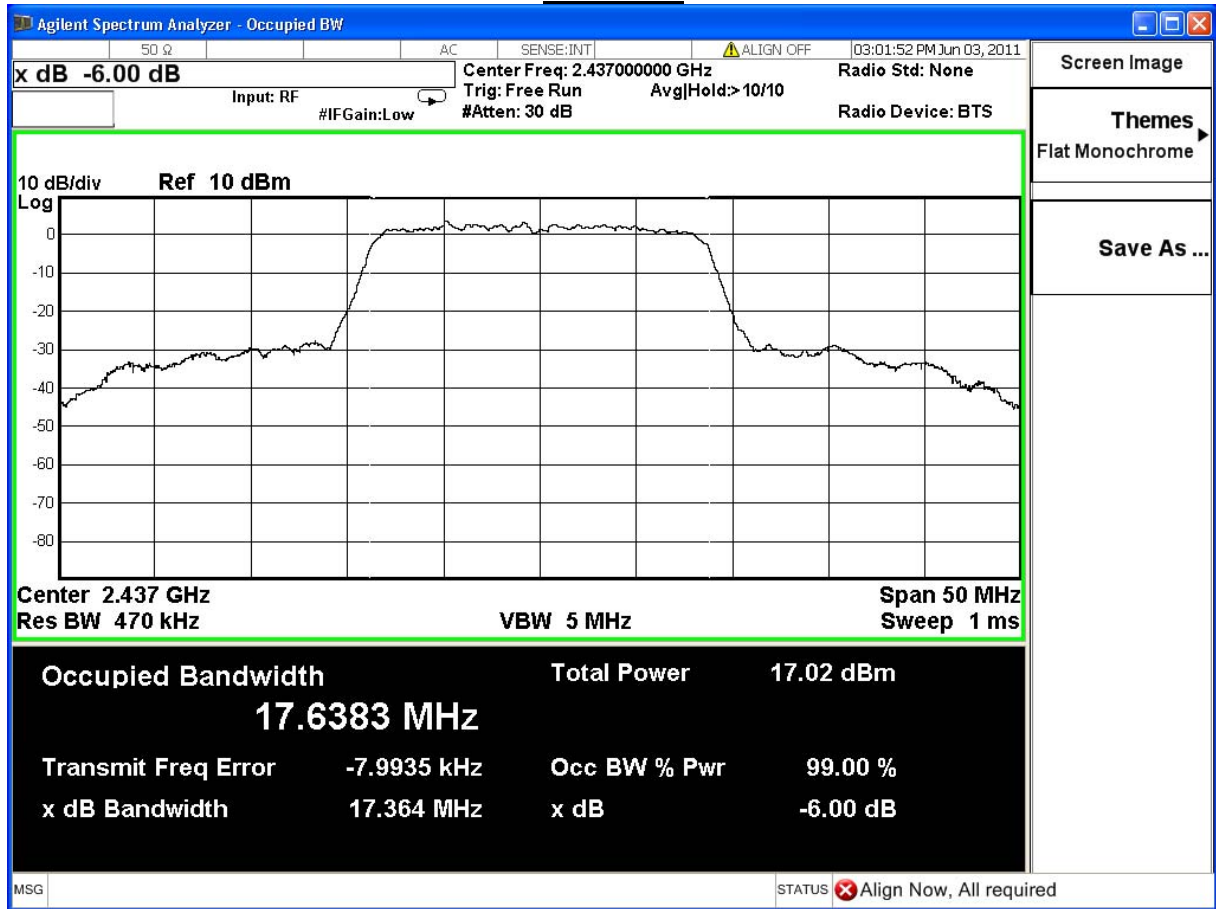
Product	Wireless N Day/Night Home Network Camera		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (20MHz)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	17.354	≥ 500	Pass
6	2437	17.364	≥ 500	Pass
11	2462	17.414	≥ 500	Pass

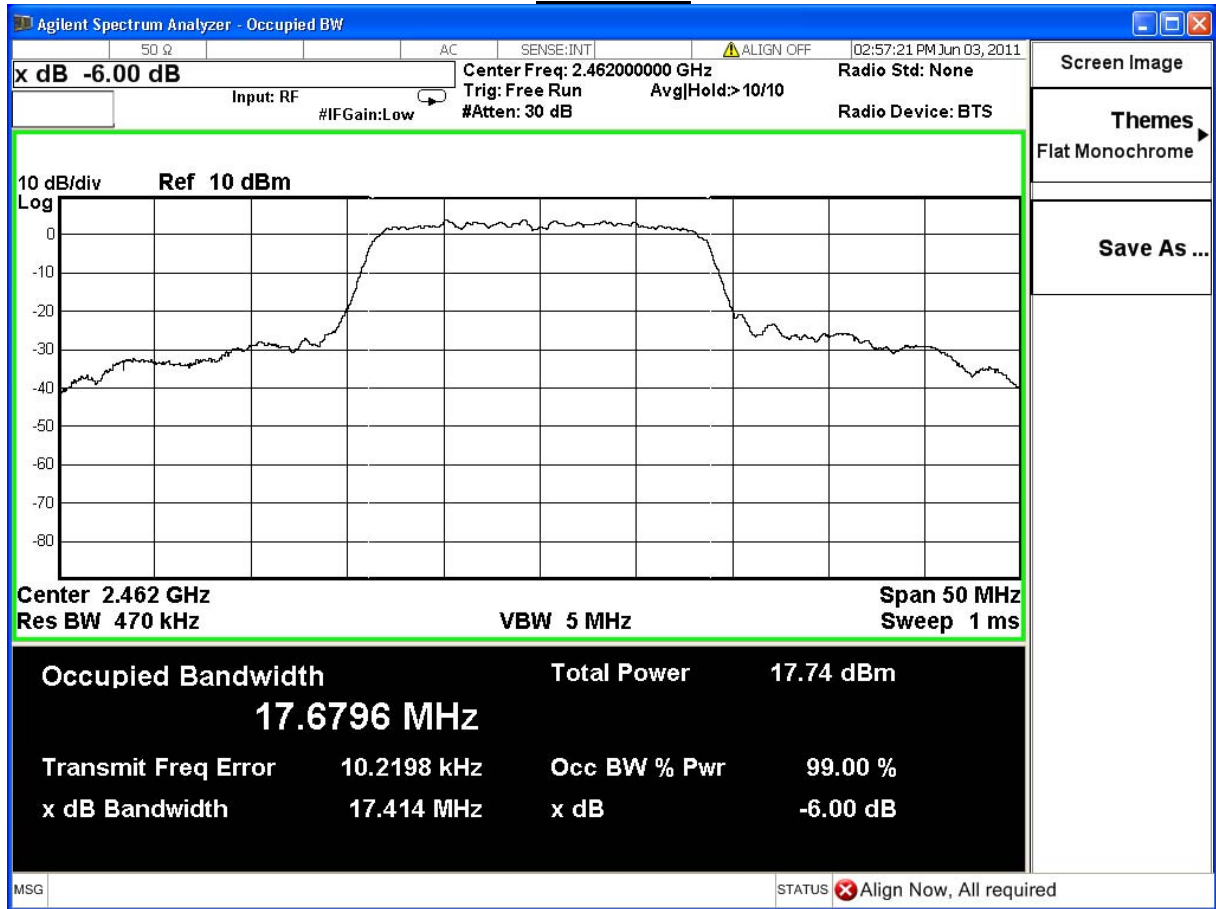
Channel 1



Channel 6



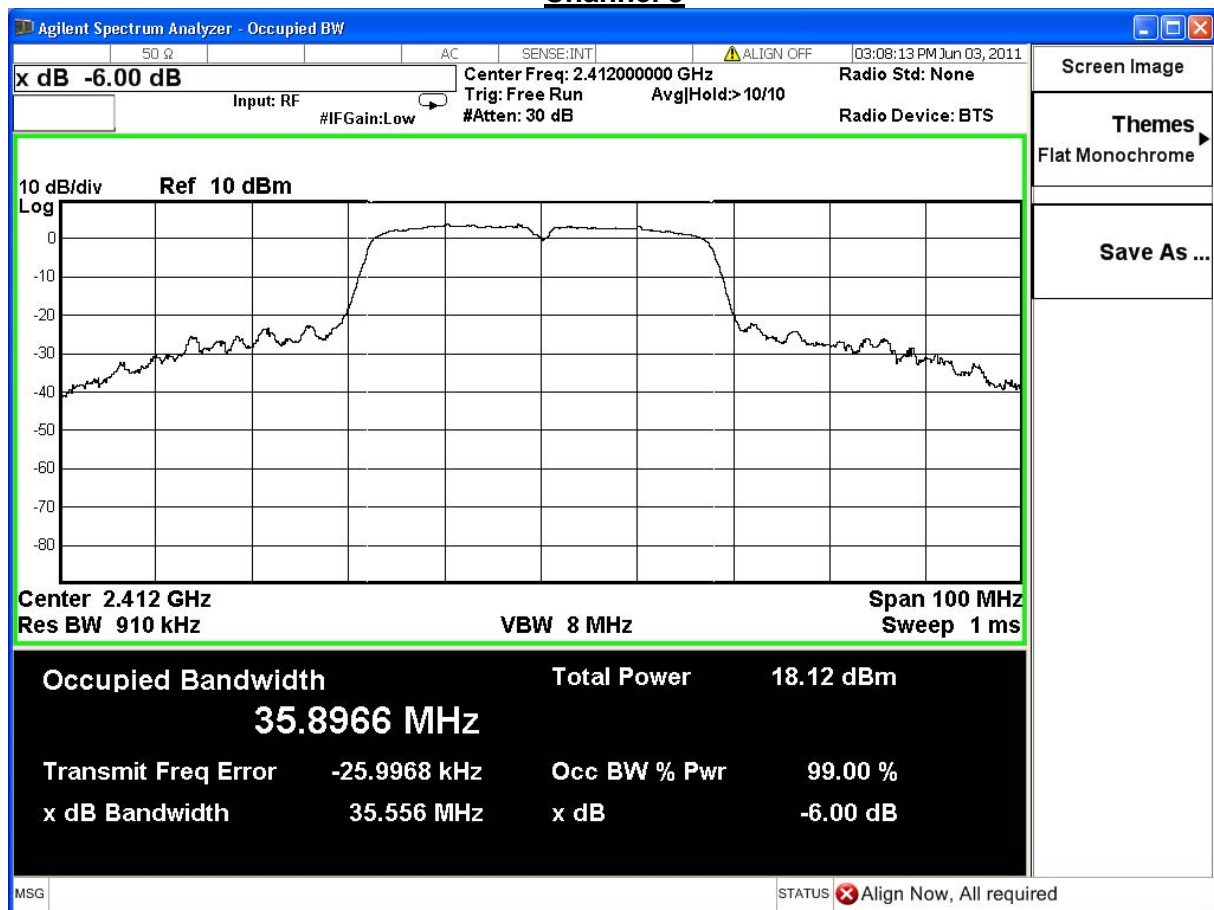
Channel 11



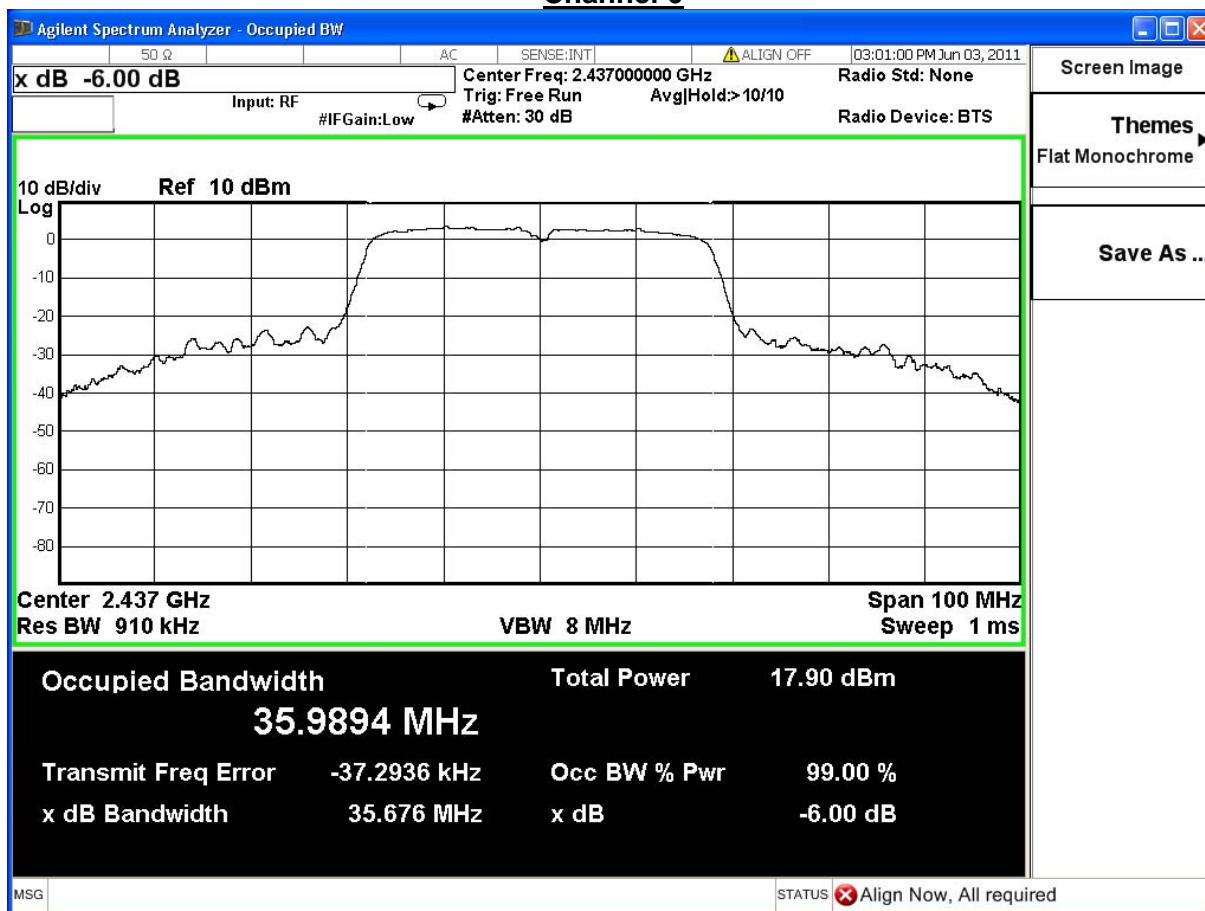
Product	Wireless N Day/Night Home Network Camera		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (40MHz)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
3	2422	35.556	≥ 500	Pass
6	2437	35.676	≥ 500	Pass
9	2452	35.708	≥ 500	Pass

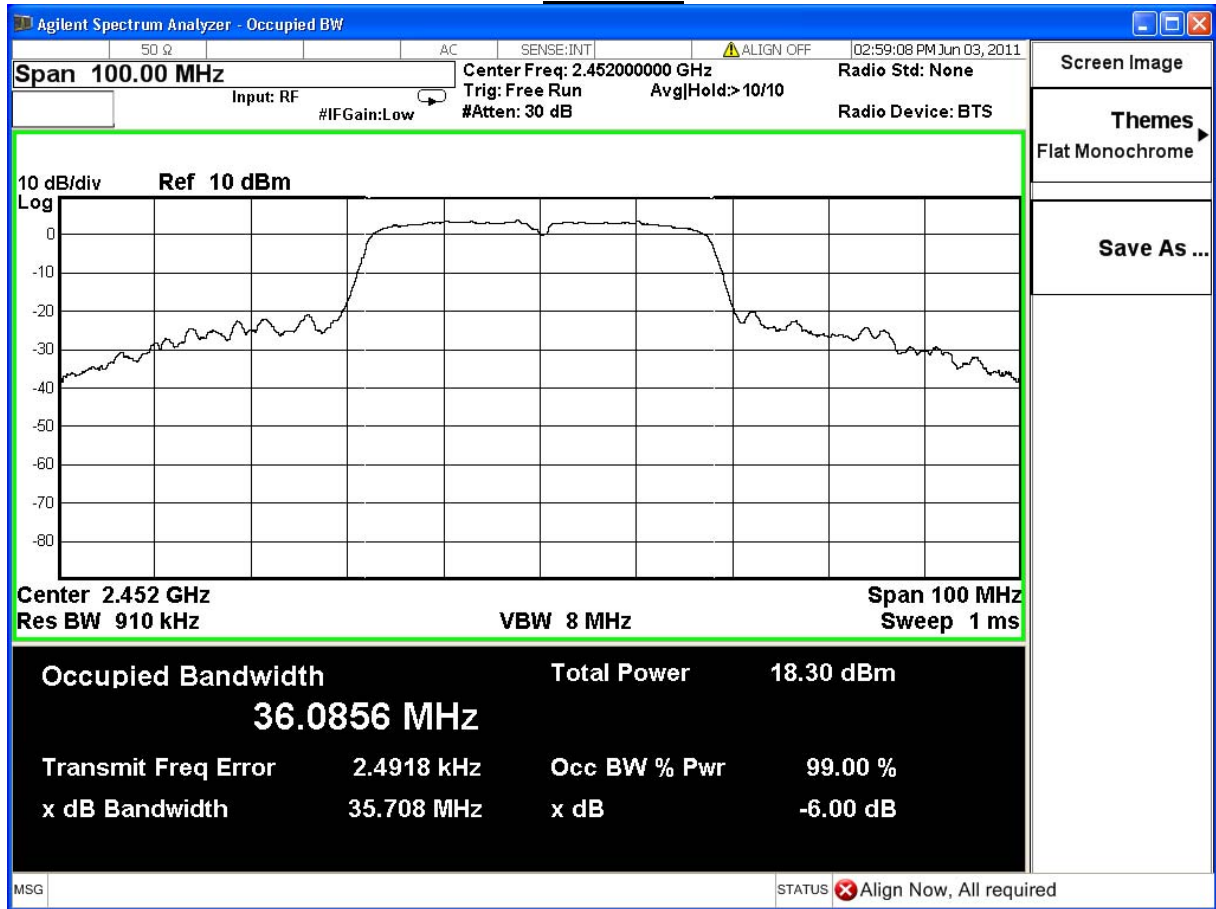
Channel 3



Channel 6



Channel 9



8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

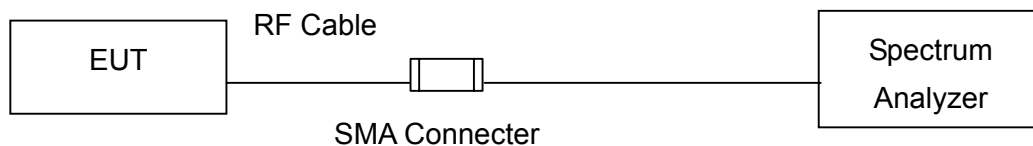
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup

IEEE 802.11 b / g / n (20M / 40M) MODE



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW= 3 kHz, Set VBW \geq 9 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

8.6. Uncertainty

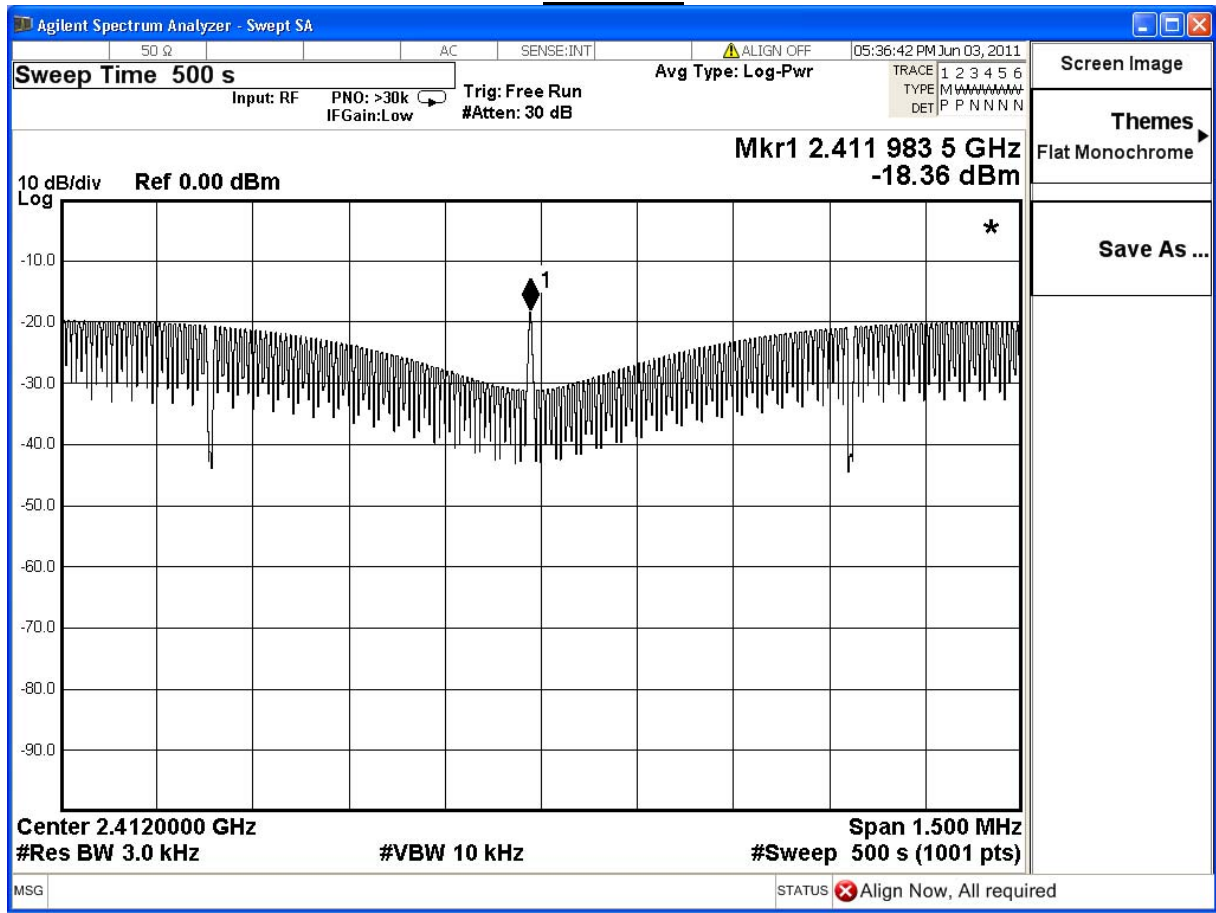
The measurement uncertainty is defined as ± 1.27 dB.

8.7. Test Result

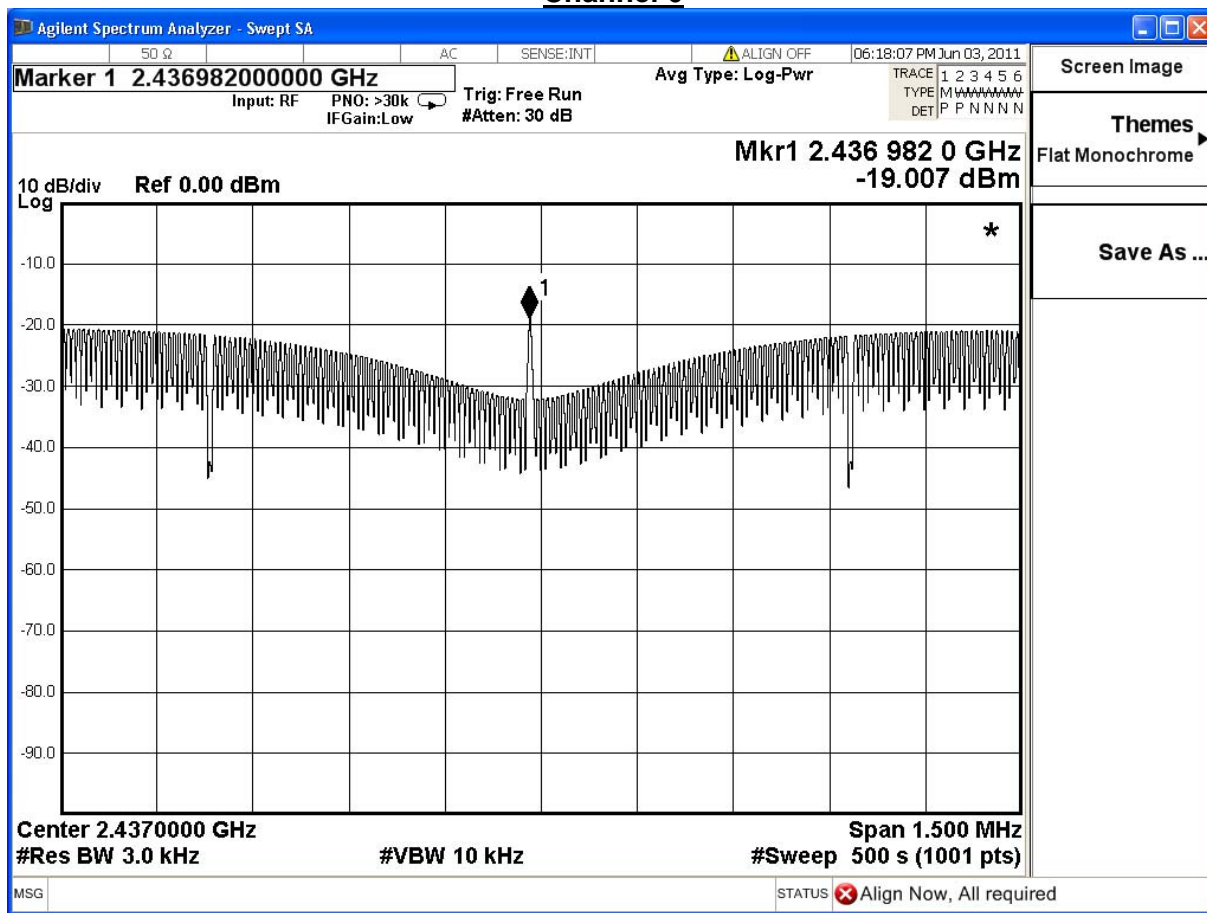
Product	Wireless N Day/Night Home Network Camera		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.360	≤ 8	Pass
6	2437	-19.007	≤ 8	Pass
11	2462	-19.259	≤ 8	Pass

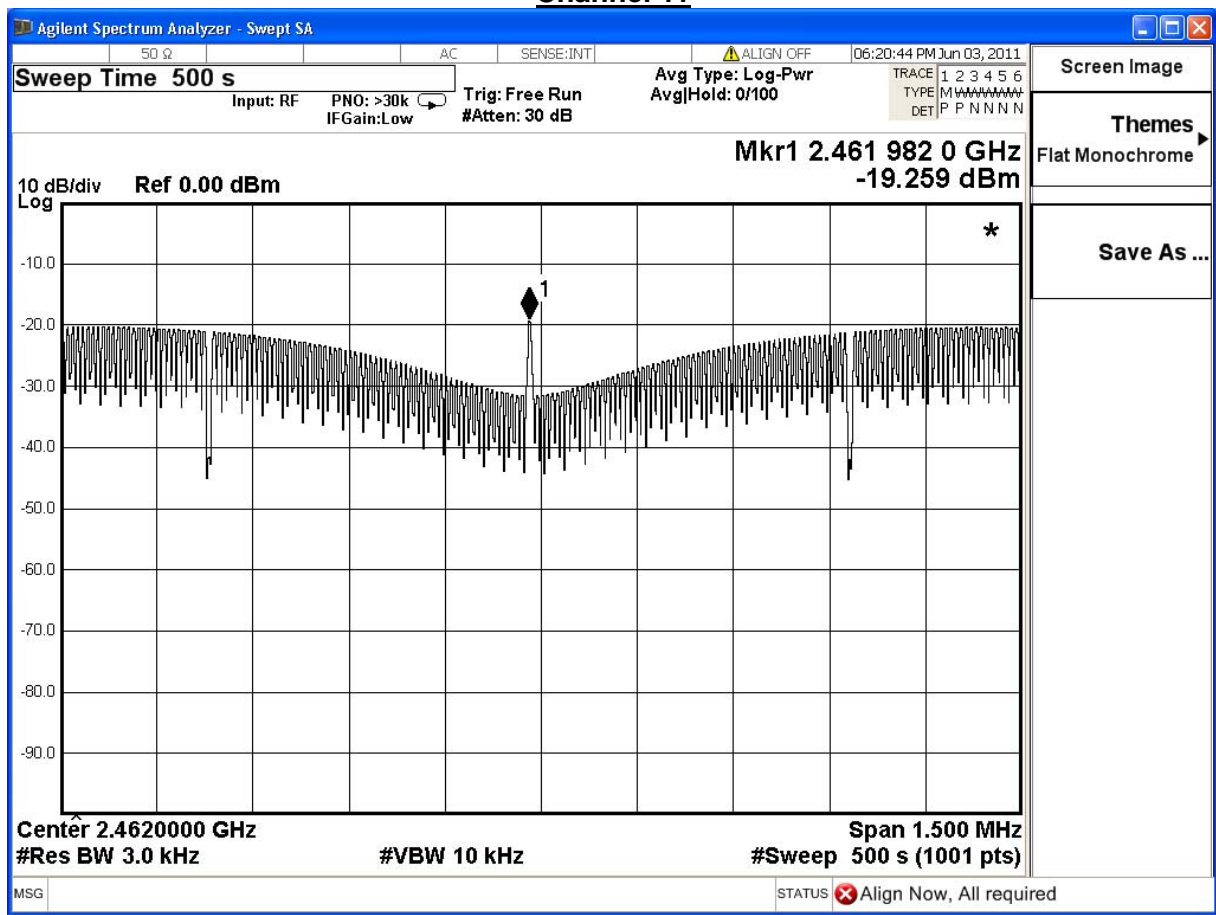
Channel 1



Channel 6



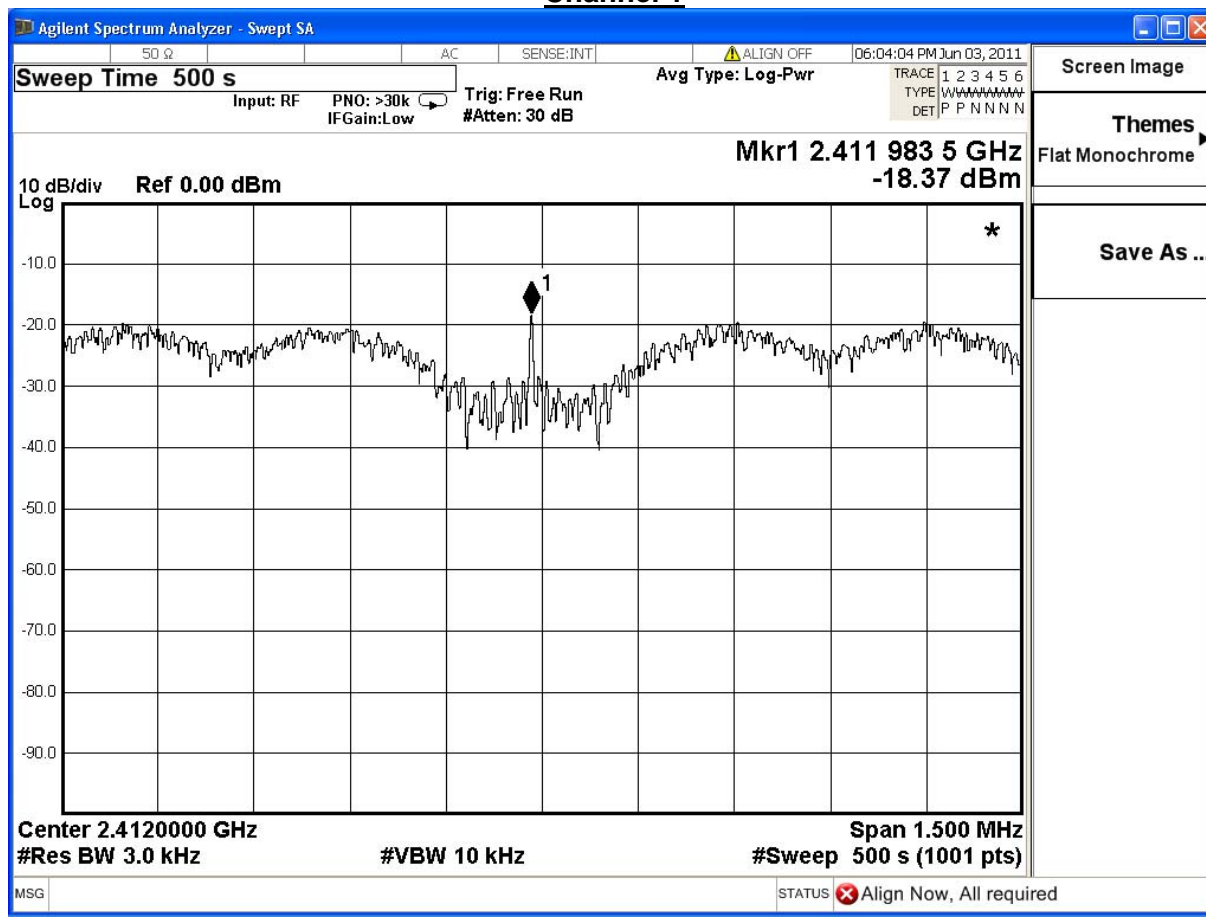
Channel 11



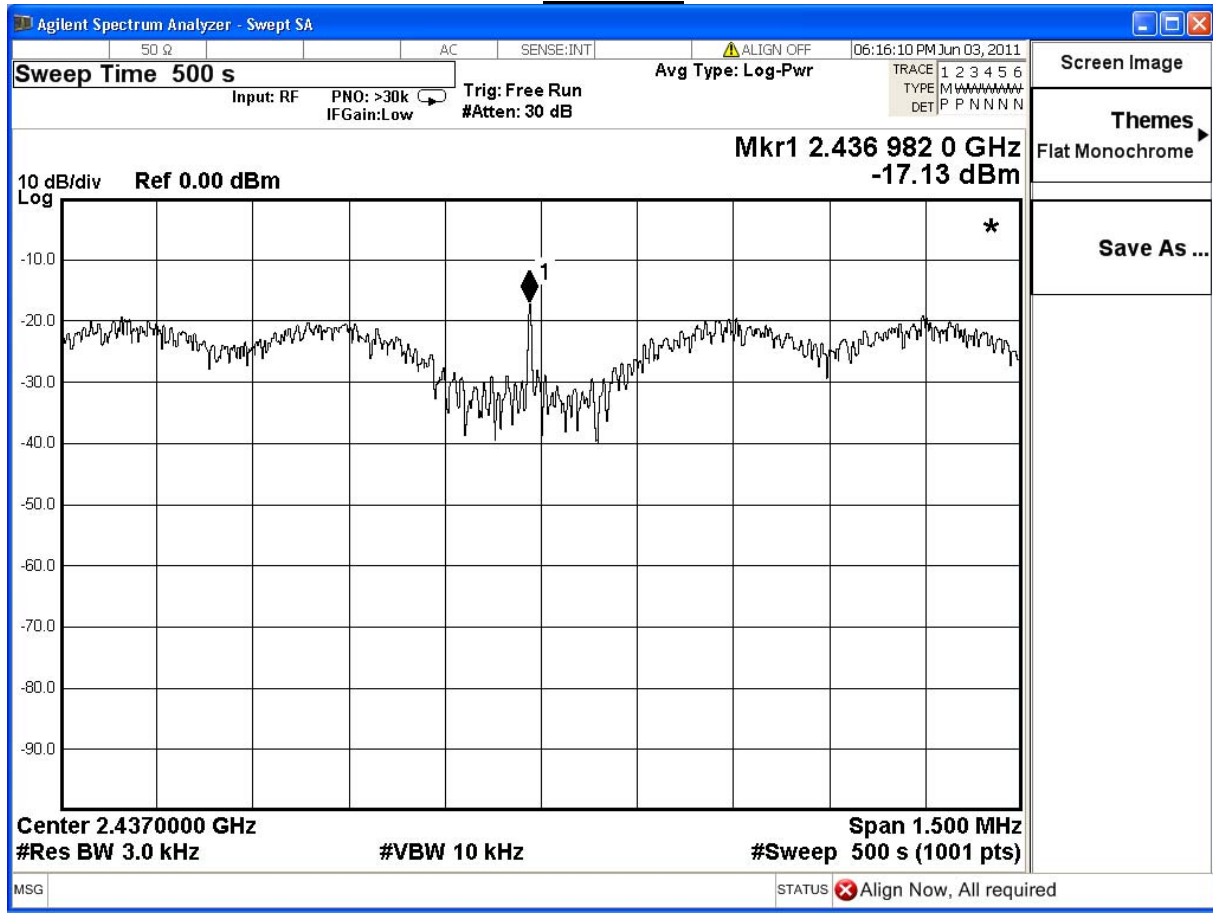
Product	Wireless N Day/Night Home Network Camera		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.370	≤ 8	Pass
6	2437	-17.130	≤ 8	Pass
11	2462	-17.435	≤ 8	Pass

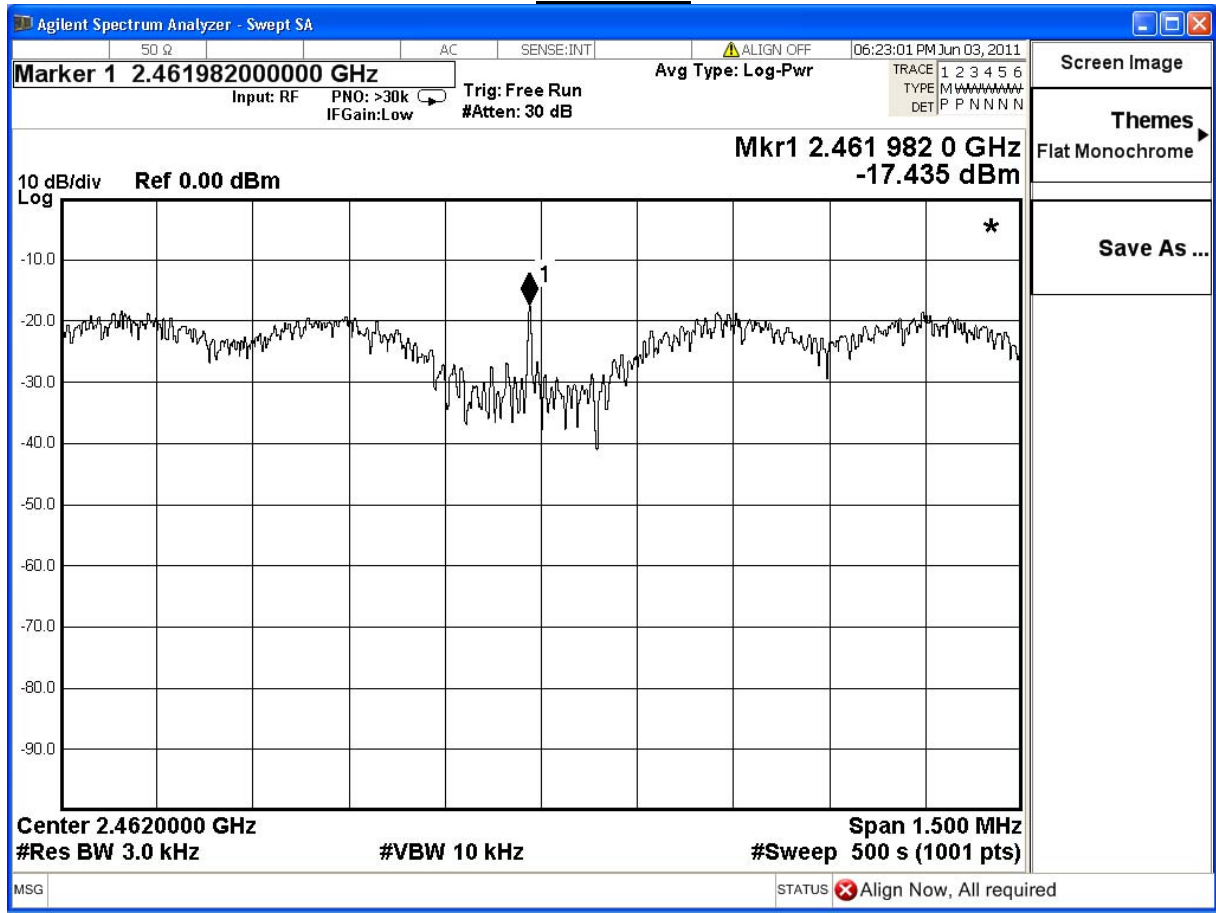
Channel 1



Channel 6



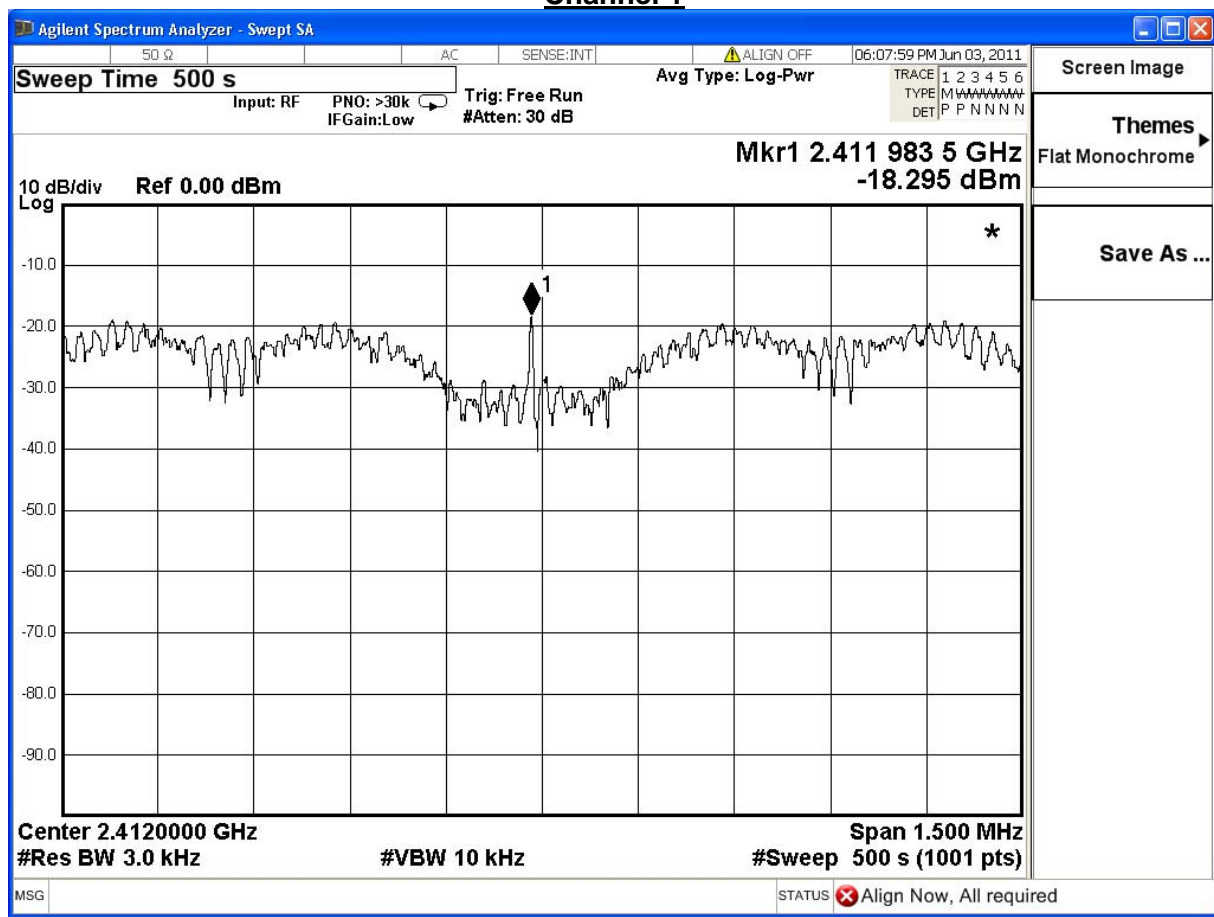
Channel 11



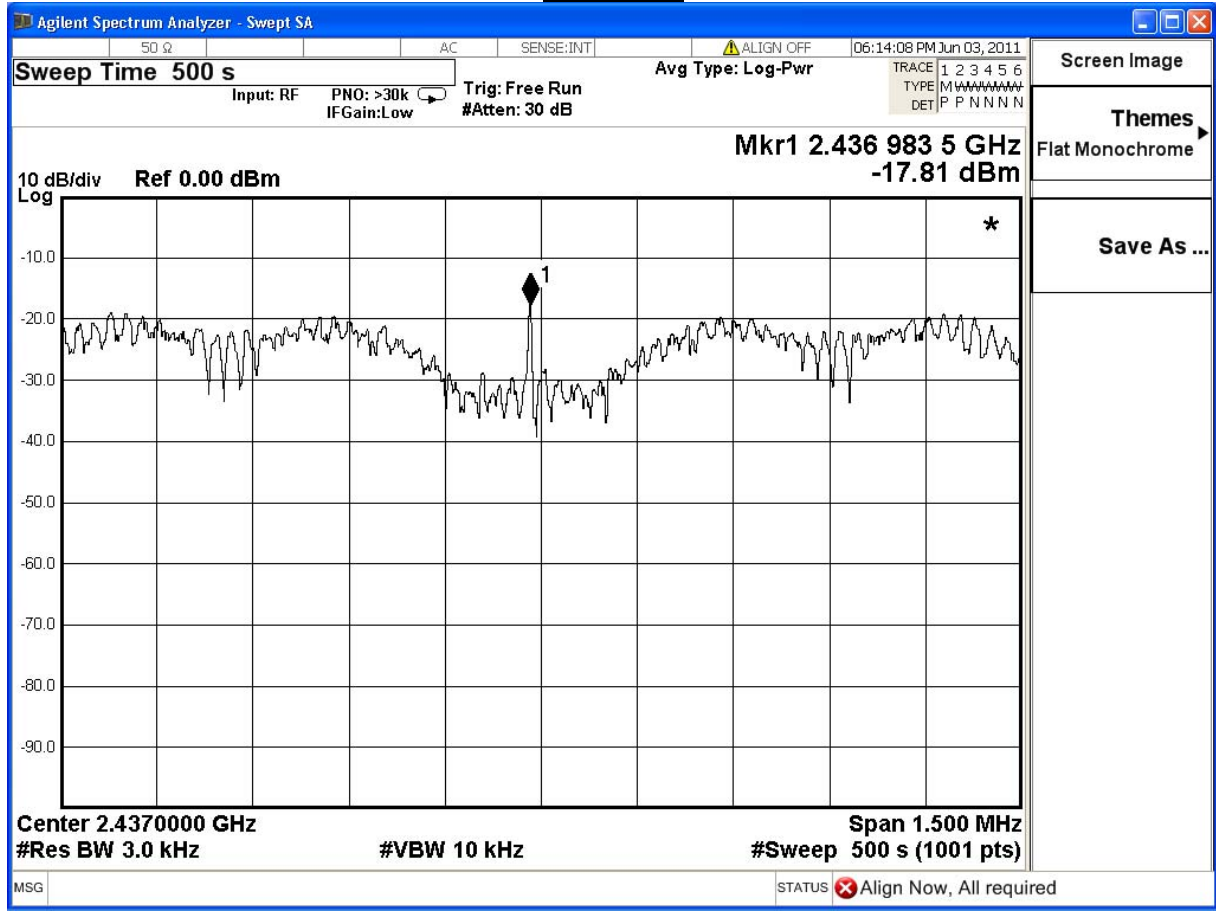
Product	Wireless N Day/Night Home Network Camera		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (20M)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.295	≤ 8	Pass
6	2437	-17.810	≤ 8	Pass
11	2462	-17.982	≤ 8	Pass

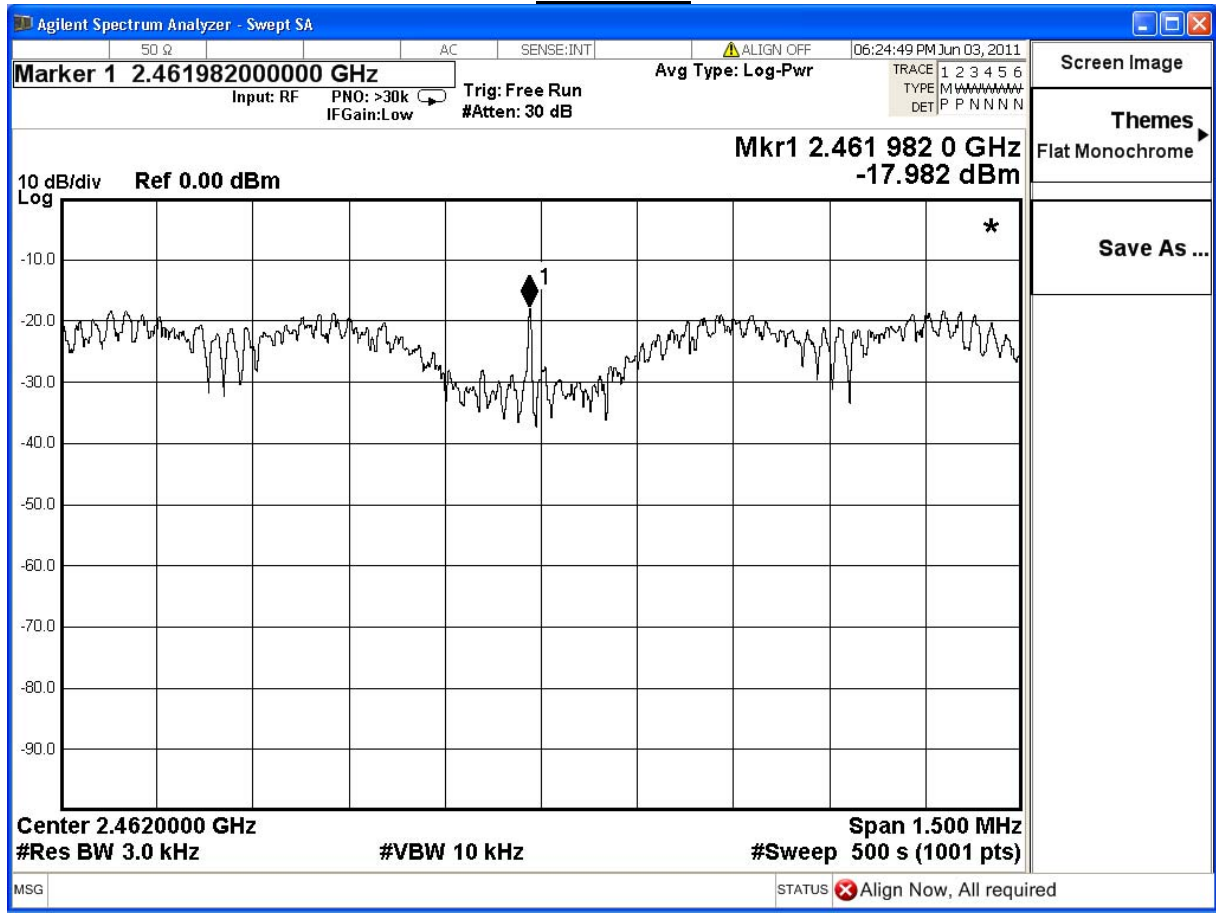
Channel 1



Channel 6



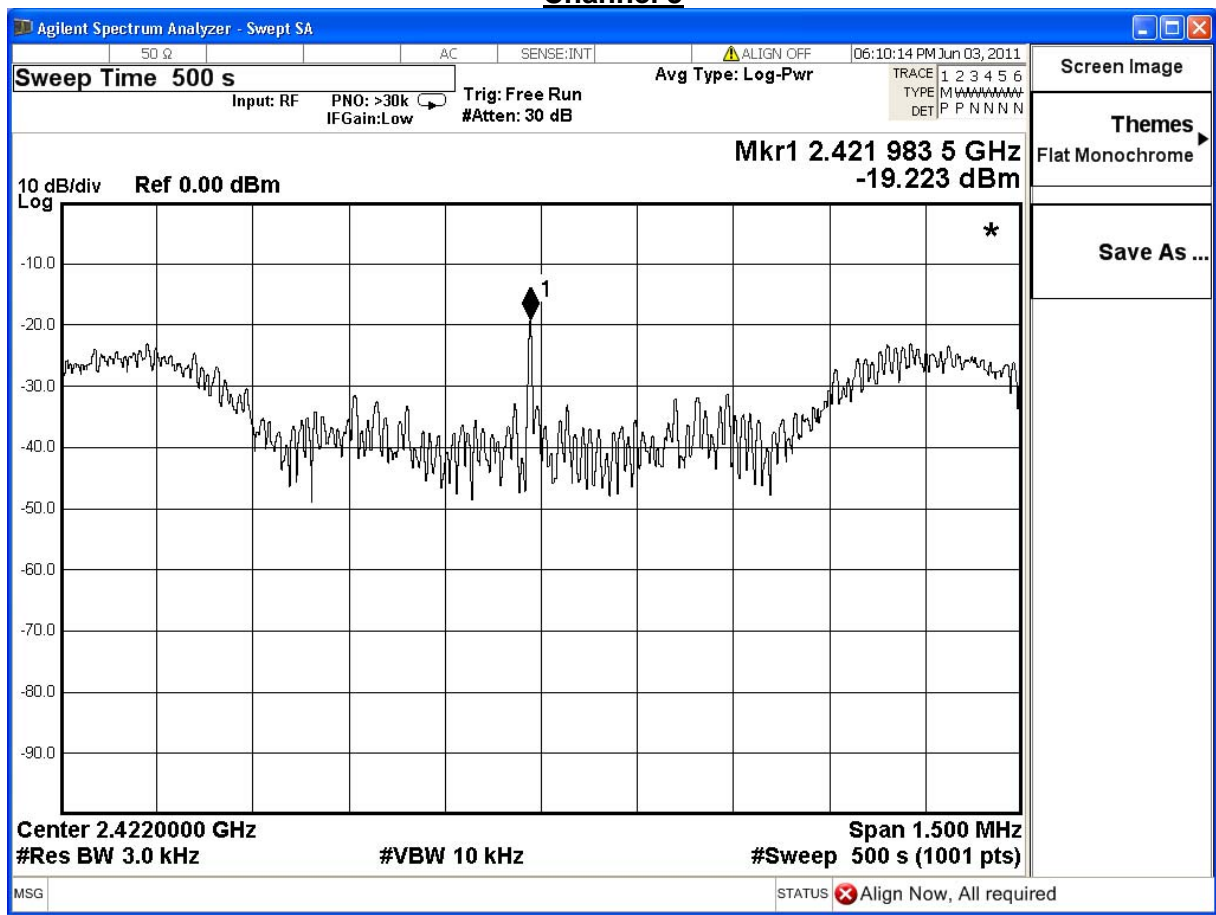
Channel 11



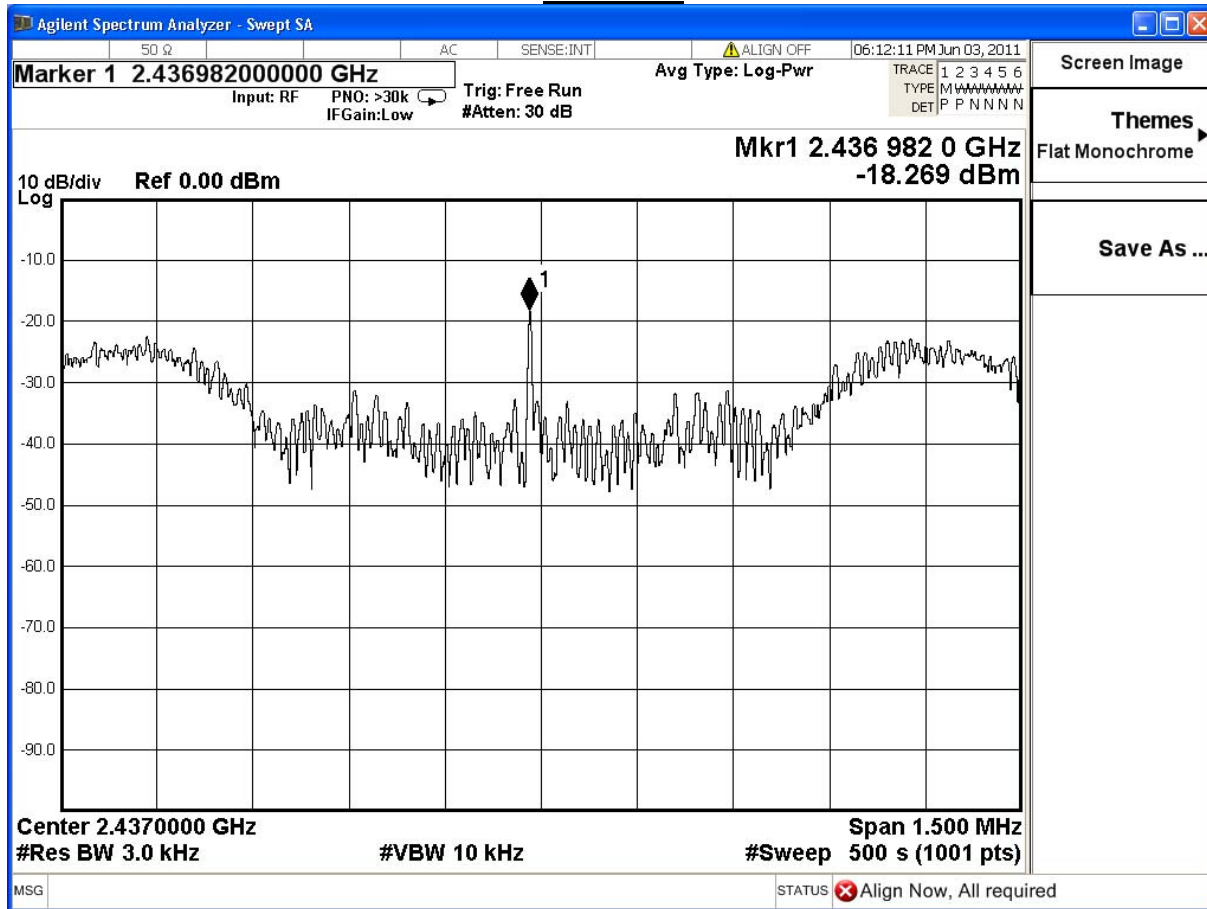
Product	Wireless N Day/Night Home Network Camera		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (40M)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-19.223	≤ 8	Pass
6	2437	-18.269	≤ 8	Pass
9	2452	-18.272	≤ 8	Pass

Channel 3



Channel 6



Channel 9

