5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

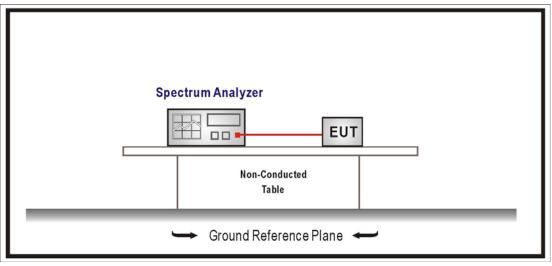
RF antenna conducted test / SR7

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.

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

5.6. Uncertainty

Conducted is defined as \pm 1.27dB

5.7. Test Result

Product	Wireless N Day/Night Home Network Camera			
Test Item	RF antenna conducted test	RF antenna conducted test		
Test Mode	Transmit	Transmit		
Date of Test	2011/06/03	Test Site	SR7	

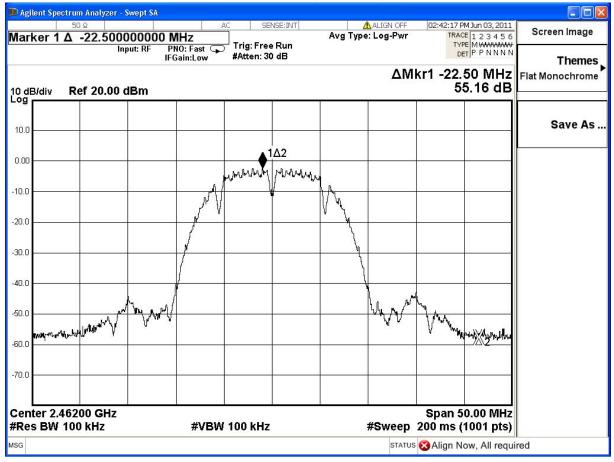
IEEE 802.11b				
Channel No	Frequency	Measure Level	Limit	Decult
Channel No.	(MHz)	(dBc)	(dBc)	Result
1	2412	46.51	≥20	Pass
11	2462	55.16	≥20	Pass

🔟 Agilent Spectrum Analyzer - Swept S					
50 Ω Marker 1 Δ 11.00000000	0 MHz	Avg Type	Log-Pwr	04 PM Jun 03, 2011 TRACE 1 2 3 4 5 6	Screen Image
Input: RF	PNO: Fast 😱 🛛 Irig: Fre IFGain:Low #Atten: 3		∆Mkr1 1	DET P P N N N N	Themes Flat Monochrome
10 dB/div Ref 20.00 dBm				46.514 dB	
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30.0	/				
40.0			ليس م		
50.0	***		VIM AND WALK	www.	
60.0					
70.0					
Center 2.41200 GHz #Res BW 100 kHz	#VBW 100 kHz		Spa #Sweep 200 m	n 50.00 MHz s (1001 pts)	
ISG			STATUS 🐼 Alig	n Now, All requi	red

Channel 01 (2412MHz)



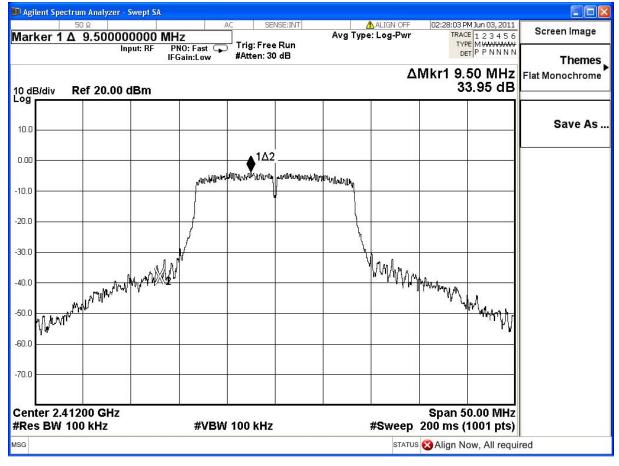
Channel 11 (2462MHz)



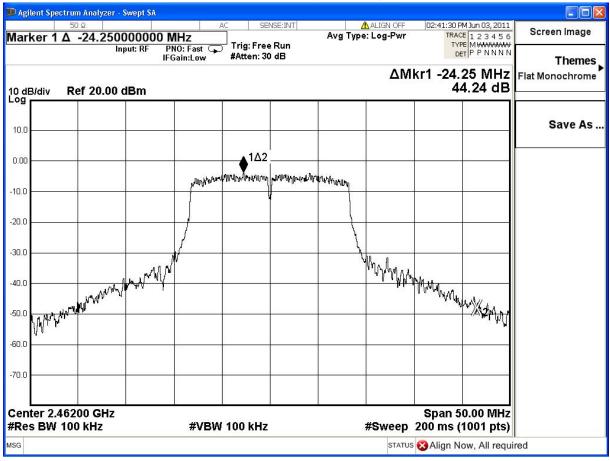
Product	Wireless N Day/Night Home Network Camera		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11g					
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result	
1	2412	33.95	≥20	Pass	
11	2462	44.24	≥20	Pass	

Channel 01 (2412MHz)



Channel 11 (2462MHz)



Product	Wireless N Day/Night Home Network Camera		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (20MHz)					
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result	
1	2412	34.89	≥20	Pass	
11	2462	44.88	≥20	Pass	

Channel 01 (2412MHz)

📭 Agilent Spectrum Analyzer - Swe				
50 Ω Marker 1 Δ 9.1000000	00 MHz	ISE:INT ALIGN OFF	02:30:23 PM Jun 03, 2011 TRACE 1 2 3 4 5 6	Screen Image
Input:	RF PNO: Fast Trig: Free IFGain:Low #Atten: 30		DET P P N N N N	Themes
10 dB/div Ref 20.00 dB	m	L	Mkr1 9.10 MHz 34.894 dB	Flat Monochrome
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50.0 Horr (MAR 1			18 mar Mary	
70.0				
			On on 50 00 Mills	
Center 2.41200 GHz Res BW 100 kHz	#VBW 100 kHz	#Sweep	Span 50.00 MHz 200 ms (1001 pts)	
SG		STATU	s 🐼 Align Now, All requi	red

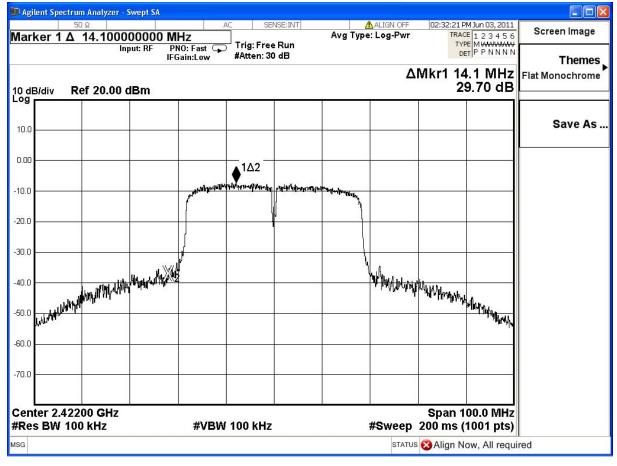
Channel 11 (2462MHz)

💴 Agilent Spectrum Analyzer - Swej	pt SA			and the second se	
50 Ω Marker 1 Δ -24.400000		SENSE:INT	ALIGN OFF	02:40:34 PM Jun 03, 2011 TRACE 1 2 3 4 5 6	Screen Image
Input:		^l Trig: Free Run #Atten: 30 dB		DET P P N N N N	Themes
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-30.0					
-40.0 -50.0	attantration of the second s			And work with Market	
-50.0				WWW.	
-60.0					
-70.0					
Center 2.46200 GHz #Res BW 100 kHz	#VBW	100 kHz	#Sweep	Span 50.00 MHz 200 ms (1001 pts)	
ISG			STATU	s 😢 Align Now, All requi	red

Product	Wireless N Day/Night Home Network Camera		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/06/03	Test Site	SR7

IEEE 802.11n (40MHz)					
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result	
	(IVI⊓∠)	(UDC)	(ивс)		
3	2422	29.70	≥20	Pass	
9	2452	31.50	≥20	Pass	

Channel 03 (2422MHz)





Channel 09 (2452MHz)

🗊 Agilent Spectrum Analyzer - Sv					
50 Ω Marker 1 Δ -28.0000		AL		PM Jun 03, 2011 CE 1 2 3 4 5 6	Screen Image
	ut: RF PNO: Fast Trig: Free IFGain:Low #Atten: 30	Run Avg Hold:>1	00/100 TY D	PE MWWWWW ET P P N N N N	Themes
10 dB/div Ref 20.00 dBm 31.504 dB					Flat Monochrome
10.0				· ·	Save As
0.00		∮1∆2			
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-30.0 -40.0 -50.0 anther think the state of	Thinne M. M.		Manalaran Caraptaranyan	hitles.	
				All and a standard and a standard and a standard a st	
-60.0					
Center 2.45200 GHz #Res BW 100 kHz	#VBW 100 kHz	#s	Span 1 weep 200 ms (00.0 MHz (1001 pts)	
MSG	ausbedsteinen til er eine Breuge 355 (350 (25))	963 SA	STATUS 😵 Align N		red