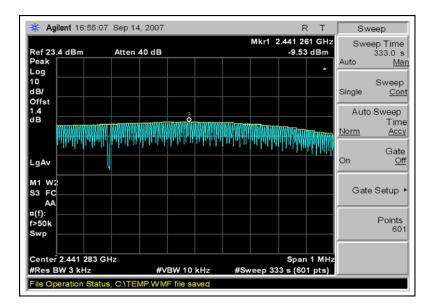


FCC 15.247(e) POWER SPECTRAL DENSITY – CHANNEL 1

🔆 Ag	ilent 17	7:02:21	Sep 14	, 2007					F	₹Т	Marker ©
Ref 23 Peak			Atten	40 d B				Mkr1	2.413 6 -10.3	39 GHz 5 dBm	Mkr © CF
Log 10 dB/ Offst	2.4	rker 1363 .35 d	9000 Bm	GH	z					*	Mkr © CF Step
1.4 dB	MAMAR		YWW	(muu	MANA A	WANYW		WWW			Mkr © Start
LgAv	1 Juri I.	ort for l	ովեզիս	Julal II	լորվո	աղող	ahandada	di di di	ւկոլիրիս	նվեվեց	Mkr © Stop
M1 W2 S3 FC AA											Mkr Ʃ Span
¤(f): f>50k Swp											MkrƩCF
Center #Res E		000 GH Hz	İz	#V	BW 10	kHz	#Sw	veep 3	Span 333 s (60	n 1 MHz)1 pts)	Mkr © Ref LvI
Allowal	ble CF	for curr	ent spar	n excee	ded						

802.11b

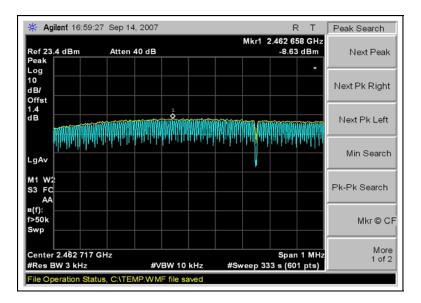
FCC 15.247(e) POWER SPECTRAL DENSITY – CHANNEL 7



802.11b

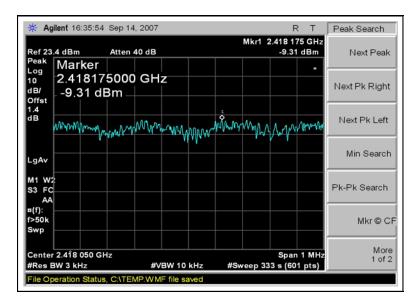








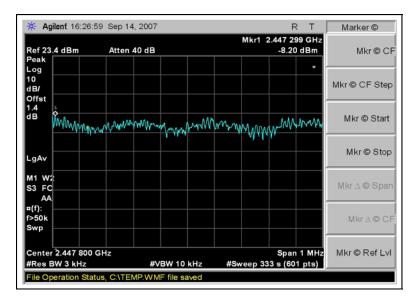
FCC 15.247(e) POWER SPECTRAL DENSITY – CHANNEL 1





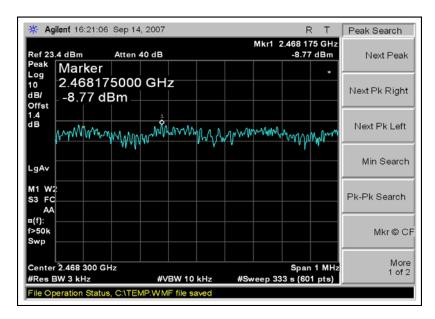








FCC 15.247(e) POWER SPECTRAL DENSITY – CHANNEL 11







BAND EDGE

Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
Antenna cable	Cable#17	09/19/2006	09/19/2008	P04382
Horn Antenna	9603-4683	06/29/2006	06/29/2008	01646
Microwave Pre-amp	3123A00282	06/05/2007	06/5/2009	00787
Cable Big Blue	12237/4A	11/28/2005	11/28/2007	P05421
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672
Antenna Cable	Hi Freq	09/18/2006	09/18/2008	P05563

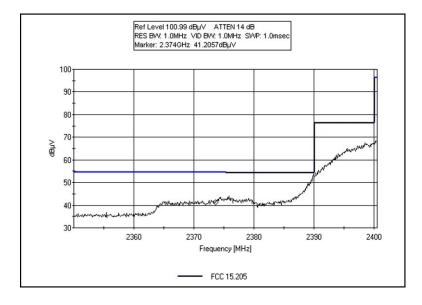
Test Setup Photos



Test Conditions: The EUT is on the table and all the probes and cables are connected to the unit. Measurements are made by direct connect with the Serial cable connected to the laptop computer, which is used to change the TX characteristics.

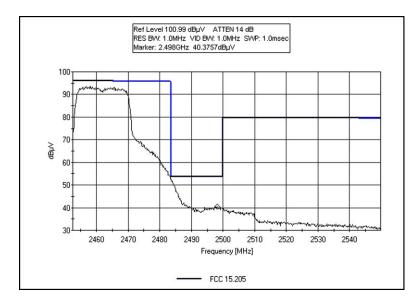


BAND EDGE - CHANNEL 1 at 6 mb





BAND EDGE - CHANNEL 11 at 6 mb



802.11g

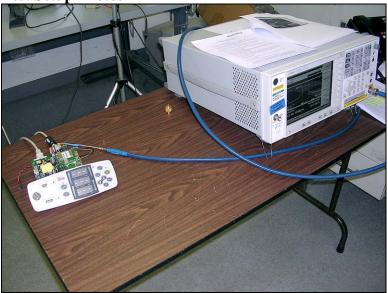


FCC 15.247 OCCUPIED BANDWIDTH

Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	01/04/2007	01/04/2009	02672
Cable Huber & Suhner	12237/4A	11/28/2005	11/28/2007	P05421
Programmable Power Source	01695/01696	05/15/07	05/15/09	250 / 245

Test Setup Photos



Test Conditions: The EUT is on the table and all the probes and cables are connected to the unit. Measurements are made by direct connect with the Serial cable connected to the laptop computer, which is used to change the TX characteristics. There is a 1.4 dB offset to correct for the cable.

Summary Table

Channel	MBit	Mode	Occupied Bandwidth MHz
1	1	802.11b	36.69
7	1	802.11b	35.22
11	1	802.11b	34.65
1	6	802.11g	46.20
7	6	802.11g	44.18
11	6	802.11g	42.89

The occupied bandwidth data was used in order to derive the correct the power measurements reading.

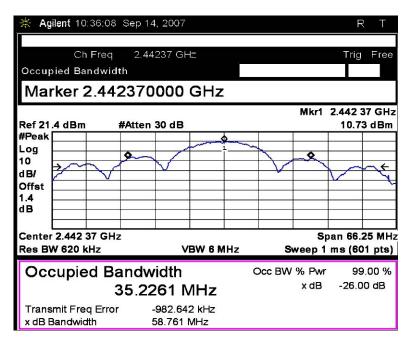


FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 1 - 1 Mbit

		Sep 14, 2007 2.41234 GHz th			R T Trig Free
Ref 19.4	dBm	#Atten 30 dB		Mkr1	2.413 66 GHz 12.43 dBm
#Peak Log 10 → dB/ / Offst 1.4		9	1		
dB	412 34 GH: 320 kHz	z VBW 6	6 MHz		Span 66.1 MHz ms (601 pts)
	t Freq Error	andwidth 36.6975 MHz -378.532 kHz 59.660 MHz		Occ BW % Pwr x dB	

802.11b

FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 7 - 1 MBit



802.11b



FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 11 - 1 MBit

🔆 Ag	ilent 10:37:37 S	ep 14, 2007				R	C T
Occu	Ch Freq pied Bandwidth	2.46105 GHz	l			Trig	Free
					Mkr1	2.462 9	3 GHz
		tten 32 dB				11.10	6 d Bm
#Peak			2	m.			
Log 10		2m	1		-		
dB/	*			\checkmark		1	~ t
Offst						V	
1.4			-	_			
dB							
Conto	r 2.461 05 GHz				Sn	an 66 1	25 MHz
	W 620 kHz	VBW 6	MHz	S	veep 1		
Oci	cupied Bar	ndwidth		Occ BW	% Pwr	99	.00 %
	34.6505 MHz				x dB	-26.0	0 dB
	smit Freq Error Bandwidth	340.766 kHz 57.806 MHz					

802.11b

FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 1 - 6 MBit

* Agilent 11:03:	58 Sep 14, 2007			RT
Ch Fre Occupied Bandw				Trig Free
			Mkr1	2.417 94 GHz
Ref 21.4 dBm #Peak	#Atten 32 dB	-	•	16.75 dBm
	mont	munteren	-1 m	
10			- monore	morena
10				mon month
Offst				
1.4				
dB				
			+ +	
Center 2.410 54 G	Hz Hz		S	oan 77.96 MHz
#Res BW 1 MHz	VBV	V8MHz	201	ms (601 pts)
Occupied	Bandwidth		Occ BW % Pwr	99.00 %
	46.2060 MI	٦z	x dB	-26.00 dB
Transmit Freq Er	ror -440.764	« Hz		
x dB Bandwidth	70.443 MH			
x ub bandwidth	70.443 MF	72		

802.11g

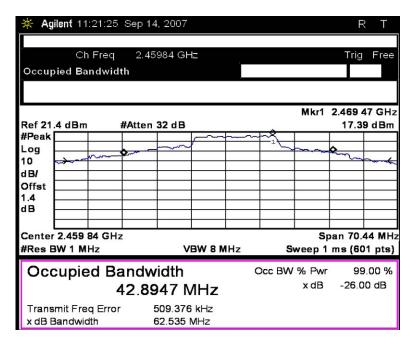


FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 7 - 6 MBit

🔆 Ag	ilent 11:17:2	3 Sep 14, 2007			RT
Occup	Ch Frec bied Bandwi				Trig Free
Ref 21 #Peak	.4 dBm	#Atten 32 dB		Mkr1	2.444 57 GHz 17.14 dBm
Log 10 dB/ Offst	www.and				and and a start
	2.438 59 GI			- COS.	an 77.96 MHz
#Res BW 1 MHz VBW 8 MHz Sweep 1 ms (601 pt Occupied Bandwidth Occ BW % Pwr 99.00 44.1885 MHz × dB -26.00 dE					
	smit Freq Erro Bandwidth	or 1.457 MH 65.122 M	and the second sec		

802.11g

FCC 15.247 OCCUPIED BANDWIDTH - CHANNEL 11 - 6 MBit



802.11g

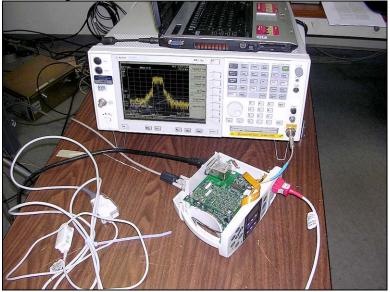


FCC 15.407(a) OCCUPIED BANDWIDTH

Test Equipment

<u> </u>					
Function	S/N	Calibration Date	Cal Due Date	Asset #	
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672	
Attenuator, 20 dB Pad	01432	09/13/2007	09/13/2009	P01392	

Test Setup Photos



Test Conditions: The EUT is on the table and all the probes and cables are connected to the unit. Measurements are made by direct connect with the Serial cable connected to the laptop computer, which is used to change the TX characteristics. The 32db offset is 20 db for the attenuator, 2 db for the antenna gain. The other 10 db is the bandwidth integration.

Summary Table

Channel	MBit	Mode	Occupied Bandwidth MHz
36	6	802.11a	16.44
44	6	802.11a	16.48
48	6	802.11a	16.42
149	6	802.11a	16.48
157	6	802.11a	16.35
161	6	802.11a	16.30



FCC 15.407 OCCUPIED BANDWIDTH - CHANNEL 36 - 6 MBit

	i lent 10:18:3 Ch Free pied Bandw	q 5.17			Ì			F Trig	R T
Ref 15 #Peak Log 10 dB/ Offst 32 dB	8.5 mW	#Atten	10 dB				Mkr1	2.	11 GHz 31 mW
	5.179 70 G 3W 270 kHz	Hz	#VE	SW 2.7	MHz	s	Sp weep 1		.45 MHz 01 pts)
Trans	smit Freq Err Bandwidth	16.44		kHz		Occ BW	′% Pwr xdB	_	9.00 % 00 dB

802.11A

FCC 15.407 OCCUPIED BANDWIDTH - CHANNEL 44 - 6 MBit

🌞 Ag	Agilent 10:26:22 Sep 20, 2007 R T							
Occur	Ch Freq bied Bandwidt	5.21929 GF			Trig	Free		
occu	Jea Danawia							
Ref 15	8.5 mW #	#Atten 10 dB			Mkr	1 5.224	74 GHz 55 m W	
#Peak					1			
Log 10		9		~~~~~~		ę		
d B/	month man and						mon	
Offst 32								
dB								
Conto	5.219 29 GHz					Span 28.	45 MHz	
	3W 270 kHz		BW 2.7 N	Hz		1 ms (60		
Oco	cupied Ba	ndwidth		Oc	c BW % Pv	vr 99	9.00 %	
	16.4762 MHz					3 -26.0	00 dB	
	smit Freq Error Bandwidth	638.938 23.786						

802.11A