

	01:34:30 AM May 07, 2015	AUTO		SENSE:INT			Analyzer - Swept SA RF 50 Ω AC		
Frequency	TRACE 1 2 3 4 5 6 TYPE A WAVAAAAA DET A N N N N N		#Avg Type: F	ig: Free Run			5.32000000		
Auto Tun		IF Gaine UW White In to an							
Auto Tun	5.318 750 GHz 4.08 dBm	/kr1		1		e	ef Offset 1 dB ef 21.00 dBm		
Center Fre				1 2		512.4		9	
5.320000000 GH				↓ ¹				.0	
Start Fre		-							
5.307500000 GH		_	-	-	-		1	00	
Stop Fre								.0	
5.332500000 GH	- Walkington and					_11,12,1		0	
CF Ste					-			.0	
2.500000 MH Auto Ma									
N. Just Asso.								.0	
Freq Offse 0 H					1			.0	
		_			_			.ū	
	Span 25.00 MHz .000 ms (1001 pts)	en 1		MHz	3W 3.0 N			enter 5.320	
		STATUS	31	191112	JVY J.0 N	#101	111112	CS DW 1.	

Channel 64: (Chain A)

Channel 100: (Chain A)

KI RE 50Ω AC		SENSE:INT	ALIGNAUTO	01:35:19 AM May 07, 2015	
Center Freq 5.5000000	O GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm	Auto Tune				
- og	1				Center Fre 5.50000000 GH
9.00					Start Fre 5.487500000 GH
29.0				A Marine and the	Stop Fre 5.512500000 GH
190					CF Ste 2.500000 MH <u>Auto</u> Ma
59.0					Freq Offs 0 F
69.0				Span 25.00 MHz	
Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	1.000 ms (1001 pts)	
ISG			STAT	IS	



Frequency	01:36:04 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO	#Avg	SENSE:INT	Hz	0000 G	RF 50 Ω eq 5.58000	enter F			
Auto Tur	TYPE A WAAAAAA DET A N N N N N	ir Gain, Low Written, Co Wil									
Auto Tur	5.578 650 GHz 3.03 dBm										
Center Fre				1.0	1.1			og			
5.580000000 GH				♦ ¹				11.0			
Start Fre 5.567500000 GH								1,00 1,00			
Stop Fre 5.592500000 GH	2 Advert a man mar						www.	9.0 9.0			
CF Ste 2.500000 MH <u>Auto</u> Ma								9.0			
Freq Offs 0 H			-					9.0			
1								9.0			
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1		3.0 MHz	#VBW		8000 GHz 1.0 MHz	enter 5. Res BW			

Channel 116: (Chain A)

Channel 140: (Chain A)

MIRL RF 50Ω AC		SENSE(INT	ALIGNAUTO	01:38:55 AM May 07, 2015	in the second second	
Center Freq 5.700000000	PNO: Fast	Trig: Free Run	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WANNAWA DET A N N N N N	Frequency	
Ref Offset 1 dB	IFGain:Low	#Atten: 30 dB	Mkr1	5.701 400 GHz	1	
10 dB/div Ref 21.00 dBm				2.50 dBm		
				1	Center Free	
11.0		•	× · · · · · · ·		5.700000000 GH	
1.00				A	Start Free	
-9.00					5.687500000 GH	
-19.0	11111			1	Otor From	
-29.0				The states	Stop Fre 5.712500000 GH	
-25.0				- we why		
39,0					CF Stej 2.500000 MH	
49.0					<u>Auto</u> Mai	
-59.0					Freq Offse	
					0 H	
-69.0			1 - 1 -			
Center 5.70000 GHz		0.0.001		Span 25.00 MHz		
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	1.000 ms (1001 pts)		



Auto Tun	Viet S.200000000 Children Trig: Free Run Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 5.255 500 GHz 10 dB/div Ref Offset 1 dB 10 dB/div Ref 21.00 dBm 4.56 dBm								
Center Fre 5.26000000 GH		-		-					11.0
Start Fre 5.247500000 GH								1	9.00
Stop Fre 5.272500000 GH	Martin							and the second second	19.0 29.0
CF Ste 2.500000 МН <u>Auto</u> Ма									39.0
Freq Offse 0 H									59.0
			1						69.0

Channel 52: (Chain B)

Channel 60: (Chain B)





-49.0 -59.0 -69.0 Center 5.32000 #Res BW 1.0 M		#VBM	/ 3.0 MHz	Sweep	Span 25.00 MH 1.000 ms (1001 pt	Freq Offsel
-59.0						Auto Man
-59.0						Freq Offse
						Freq Offse
49.0						<u>Auto</u> Mar
						Auto Mar
39,0						CF Step 2.500000 MH:
						CE Stor
29.0	-				All All and and a state of the	Stop Free 5.332500000 GH:
	1					
9.00			-			Start Freq 5.307500000 GHz
1.00				↓ ¹		5.52000000 GH2
11.0						Center Freq
Ref 10 dB/div Ref	m Auto Tune					
apar corre						
RL RF		0 GHz PNO: Fast	SENSE:INT	ALIGNAUTO #Avg Type: RMS	02:06:54 AM May 07, 20 TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N	Frequency
gilent Spectrum And RL RF		-	ornior mart		00.00154 000007 00	15

Channel 64: (Chain B)

Channel 100: (Chain B)

RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	02:07:52 AM May 07, 2015	
Center Freq 5.5000000	0 GHz PNO: Fast	Trig: Free Run	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNNN	Frequency
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm	IFGain:Low	#Atten: 30 dB	Mkr1	5.498 800 GHz 3.30 dBm	Auto Tun
-9g		● ¹			Center Fre 5.500000000 GH
9.00					Start Fre 5.487500000 GH
19.0					Stop Fre 5.512500000 GH
9,0					CF Ste 2.500000 Mi <u>Auto</u> Mi
9.0					Freq Offs 0 H
©0				Span 25.00 MHz	
Res BW 1.0 MHz	#VBN	/ 3.0 MHz	Sweep 1	.000 ms (1001 pts)	
ISG			STATUS	5	



Frequency	02:08:56 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE:INT	00 GHz	RF 50 Ω AC Freq 5.58000000	enter F				
	TYPE A WANNAW DET A N N N N N	Indameter and an								
Auto Tun	5.575 900 GHz 4.44 dBm	Ref Offset 1 dB Mkr1 5.575 900 GHz 0 dB/div Ref 21.00 dBm 4.44 dBm								
Center Fre 5.58000000 GH				1		11.0				
Start Fre 5.567500000 GH	×			Y		9.00				
Stop Fre 5.592500000 GH						19.0				
CF Stej 2.500000 MH Auto Ma						39,0				
Freq Offse 0 H						59.0				
	Span 25.00 MHz				.58000 GHz	69.0				
	.000 ms (1001 pts)	Sweep 1	3.0 MHz	#VBW	/ 1.0 MHz					

Channel 116: (Chain B)

Channel 140: (Chain B)

RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	02:11:55 AM May 07, 2015	- A - La Cost de contraine
Center Freq 5.7000000	0 GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WANAAAA DET A N N N N N	Frequency
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm	IF Galit, LOW	whitem of all	Mkr1	5.695 975 GHz 2.49 dBm	Auto Tune
11.0	▲ ¹				Center Free 5.700000000 GH
9,00				1	Start Fre 5.687500000 GH
19.0				Common and	Stop Fre 5.712500000 GH
39.0					CF Ste 2.500000 MH Auto Ma
59.0					Freq Offse 0 H
69.0		- (1-		1.000	
Center 5.70000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Span 25.00 MHz .000 ms (1001 pts)	£
ISG			STATUS		



	1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	.000 ms (1001 pts			
Center 5.	26000 GHz			-1	Span 25.00 MHz	2		
00.0		11 10 10		1 - 11 -	1000			
69.0								
59.0				1		Freq Offse		
49.0					1			
10.0				10 THE 1 & T		Auto Mar		
39,0						CF Step 2.500000 MH		
29.0					The Well Hards	5.272500000 GH		
19.0	- Contraction of the second				Wy ware	Stop Free 5,272500000 GH		
	1					-		
9.00	1				X	Start Fred 5.247500000 GH:		
1.00								
11.0		1		-		5.26000000 GH:		
09					2	Center Free		
0 dB/div	Ref Offset 1 dB Mkr1 5.254 750 GHz 0 dB/div Ref 21.00 dBm 4.95 dBm							
IFGain:Low #Atten: 30 dB DETIA NNNN								
	req 5.260000		1.0000000	#Avg Type: RMS	TRACE 1 2 3 4 5 (Frequency		
RL	RF 50 Ω /	15	SENSE:INT	ALIGNAUTO	02:46:42 AM May 07, 2015			

Channel 52: (Chain C)

Channel 60: (Chain C)





gilent Spectrum Analyzer - Swej RL RF 50 Ω		SENSE(INT)	ALIGNAUTO	02:48:27 AM May 07, 2015	
Center Freq 5.32000		Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WAAAAAA DET A N N N N N	Frequency
Ref Offset 1 di 0 dB/div Ref 21.00 di	Auto Tune				
.og				3.77 dBm	Center Free
11.0			♦ ¹		5.320000000 GH;
9.00					Start Fred 5.307500000 GH:
19.0 29.0				Marray	Stop Free 5.332500000 GH
190 190					CF Stej 2.500000 MH <u>Auto</u> Ma
59.0					Freq Offse 0 H
69.0					
Center 5.32000 GHz Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Span 25.00 MHz 1.000 ms (1001 pts)	
sg		Concession of	STATU		

Channel 64: (Chain C)

Channel 100: (Chain C)

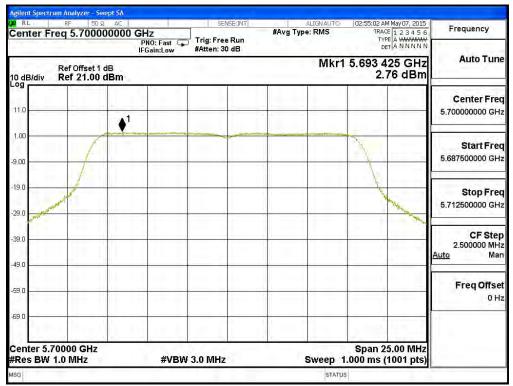
	SENSE:INT	ALIGNAUTO	02:49:18 AM May 07, 2015	
PNO: Fast 😱	Trig: Free Run	#Avg Type: RMS	TRACE 123456 TYPE A WWWWWW	Frequency
FGain:Low	#Atten: 30 dB	Mkr1		Auto Tune
	1			Center Free 5.500000000 GH
			1	Start Fre 5.487500000 GH
			hand a start of the start of th	Stop Fre 5.512500000 GH
				CF Ste 2.500000 MH Auto Ma
				Freq Offso 0 H
			Span 25.00 MHz	
#VBW	3.0 MHz	Sweep 1		
	Hz PNO: Fast FGain:Low	HZ PNO: Fast FGain:Low #Atten: 30 dB	Hz PNO: Fast Trig: Free Run #Atten: 30 dB Mkr1 Mkr1 #Atten: 4 Mkr1 #Atten: 4 Mkr1 Mkr1 Mkr1 Mkr1 Sweep 1	HZ PNO: Fast Trig: Free Run #Atten: 30 dB Mkr1 5.501 225 GHz 2.54 dBm 1 1 5 5 5 5 5 5 5 5 5 5 5 5 5



Frequency	02:49:53 AM May 07, 2015 TRACE 1 2 3 4 5 6 TYPE A WAWAWAY DET A N N N N N	ALIGNAUTO #Avg Type: RMS	SENSE:INT	AC 000 GHz PNO: Fast C	RF 50 Ω A0 req 5.5800000	enter F
Auto Tun			#Atten: 30 dB	IFGain:Low		
That's Tan	5.575 400 GHz 3.17 dBm	WIKIT		m	Ref Offset 1 dB Ref 21.00 dBn	0 dB/div
Center Fre				14		11.0
5.58000000 GH				♦1		
Start Fre 5.567500000 GH						9.00
Stop Fre 5.592500000 GH	Mandana				-	9.0 9.0
CF Ste 2.500000 MH Auto Ma						9.0
Freq Offse 0 H						9.0
						69.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep	3.0 MHz	#VBW	58000 GHz 1.0 MHz	

Channel 116: (Chain C)

Channel 140: (Chain C)





Product	:	Access Point/Sensor
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)

Channel Number	Frequency (MHz)	Chain	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
		А	4.050	8.821	11	Pass
52	5260	В	4.340	9.111	11	Pass
		С	3.880	8.651	11	Pass
		А	3.940	8.711	11	Pass
60	5300	В	3.940	8.711	11	Pass
		С	3.720	8.491	11	Pass
		А	4.030	8.801	11	Pass
64	5320	В	4.430	9.201	11	Pass
		С	3.840	8.611	11	Pass
		А	2.950	7.721	10.93	Pass
100	5500	В	3.050	7.821	10.93	Pass
		С	2.460	7.231	10.93	Pass
		А	2.960	7.731	10.93	Pass
116	5580	В	3.780	8.551	10.93	Pass
		С	3.100	7.871	10.93	Pass
		А	4.199	8.970	10.93	Pass
140	5700	В	2.890	7.661	10.93	Pass
		С	2.690	7.461	10.93	Pass

$5250{\sim}5350MHz,\,5470{\cdot}5600$ MHz and $5650{\cdot}5725$ MHz

Note :

 The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.

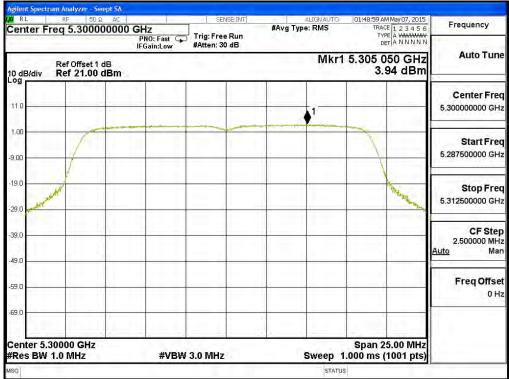
2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.



		(Chan A)	Channel 52			
Frequency	01:48:12 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE(INT)	AC	m Analyzer - Swept SA RF 50 Ω AC eq 5.260000000	RL
1. 1. H. H.	TYPE A WANAAAA DET A N N N N N	27 E / 10	Trig: Free Run #Atten: 30 dB	PNO: Fast IFGain:Low	cq 5.20000000	
Auto Tune	5.267 225 GHz 4.05 dBm	Mkr1	1. J		Ref Offset 1 dB Ref 21.00 dBm	
Center Free	the second second	6 A A				11.0
5.26000000 GH;	1	•	-10%			
Start Free 5.247500000 GH:						9.00
Stop Free 5.272500000 GH	Annahre Hand				1	19.0
CF Step 2.500000 MH: Auto Mar						39.0
Freq Offse 0 Hi						59.0
			_		1 1 1 1 1	-69.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1.	3.0 MHz	#VBW		Center 5.20 #Res BW 1
		STATUS				ISG

Channel 52: (Chain A)

Channel 60: (Chain A)





					trum Analyzer - Swept SA	
Frequency	01:49:50 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE:INT	0000 GHz	RF 50 Ω AC Freq 5.320000000	enter F
4.4.5	DET A NNNNN		^J Trig: Free Run #Atten: 30 dB	PNO: Fast 🖵 IFGain:Low		
Auto Tun	5.322 525 GHz 4.03 dBm	Mkr1			Ref Offset 1 dB Ref 21.00 dBm	I0 dB/div
Center Fre			-			
5.320000000 GH		↓ 1	and in the			11.0
Start Fre 5.307500000 GH						9.00
Stop Fre 5.332500000 GH	Consultant Consulta				and a	19.0
CF Stej 2.500000 MH <u>Auto</u> Ma						39,0 49.0
Freq Offse 0 H						59.0
						69.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1	3.0 MHz	#VBW	.32000 GHz 1.0 MHz	Center 5. Res BW
		STATUS	a sur a fair a star			ASG

Channel 64: (Chain A)

Channel 100: (Chain A)

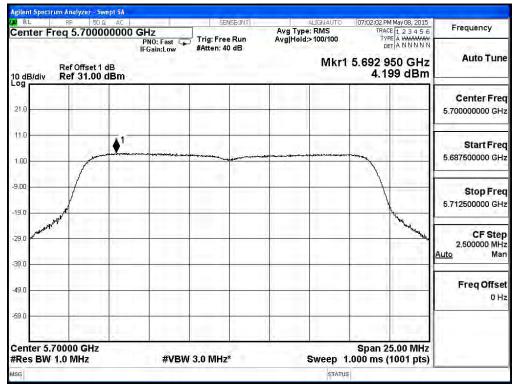
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC		SENSE(INT	ALIGNAUTO	01:50:40 AM May 07, 2015	-
Center Freq 5.5000000	0 GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WARAWAY DET A N N N N N	
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	IFGain:Low	Whitell, of all	Mkr1	5.502 325 GHz 2.95 dBm	Auto Tune
11.0			▲ ¹		Center Fre 5.500000000 GH
9,00					Start Fre 5.487500000 GH
19.0					Stop Fre 5.512500000 GH
9.0					CF Ste 2.500000 MH Auto Ma
ao					Freq Offs 01
69.0				Onen 25 00 Mile	
Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Span 25.00 MHz .000 ms (1001 pts)	
ISG			STATU	5	E



Frequency	01:51:33 AM May 07, 2015	ALIGNAUTO	SENSE:INT		RF 50 Ω AC	
	TRACE 123456 TYPE A WANAWAY DET A NNNNN	#Avg Type: RMS	Trig: Free Run #Atten: 30 dB	PNO: Fast 😱 IFGain:Low	5.580000000	enter Fred
Auto Tun	5.576 000 GHz 2.96 dBm	Mkr1			ef Offset 1 dB ef 21.00 dBm	
Center Fre		4.44		11-1		
5.58000000 GH						1.0
Start Fre 5.567500000 GH						00
Stop Fre 5.592500000 GH	1 mar					9.0
CF Ste 2.500000 MH Auto Ma						9.0
Freq Offso 0 H						a.a
		- 11				9.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1	3.0 MHz	#VBW		enter 5.580 Res BW 1.0

Channel 116: (Chain A)

Channel 140: (Chain A)





		Jiani D)	Channel 52			
Frequency	02:18:39 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO vg Type: RMS	SENSE:INT	AC 0000 GHz	m Analyzer - Swept SA RF 50 Ω AC eq 5.260000000	RL
Auto Tun			Trig: Free Run #Atten: 30 dB	PNO: Fast 😱 IFGain:Low		
	5.257 375 GHz 4.34 dBm	WKC			Ref Offset 1 dB Ref 21.00 dBm	
Center Free						
5.260000000 GH			1	•		11.0
Start Free 5.247500000 GH						1,00
Stop Free 5.272500000 GH	Ma mathematics				and the second sec	19.0
CF Step 2.500000 MH Auto Mar						39,0
Freq Offse 0 H						59.0
						69.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1.	3.0 MHz	#VBW		Center 5.2 #Res BW 1
		STATUS		2.0830		ASG

Channel 52: (Chain B)

Channel 60: (Chain B)

α RL RF 50 Ω AC		SENSE:INT	ALIGNAUT		
Center Freq 5.300000000 GH	In East () Ing	: Free Run en: 30 dB	#Avg Type: RMS	TRACE 1 2 3 TYPE A WAA DET A N N	456 Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	Janitow		Mk	r1 5.298 225 C 3.94 d	BHZ Auto Tune Bm
11.0	↓ ¹				Center Free 5,300000000 GH
9,00					Start Free 5.287500000 GH
19.0 29.0 married				and a second	Stop Fre
39.0 49.0					CF Ste 2.500000 MH Auto Ma
59.0					Freq Offse 0 H
©.0 Center 5.30000 GHz				Span 25.00 l	
Res BW 1.0 MHz	#VBW 3.0 M	VIHZ	Sweep	1.000 ms (1001	pts)



		alli D)	nnel 64:				
Frequency	02:20:49 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO 1 Type: RMS	SENSE(INT)	SHz	50 Ω AC	RF 5	RL
Auto Tun	DET A NNNNN		Free Run n: 30 dB	PNO: East			
Auto Tun	5.314 925 GHz 4.43 dBm	Mkr1				Ref Offset Ref 21.0	0 dB/div
Center Fre				1.1			
5.320000000 GH				1			11.0
Start Fre 5.307500000 GH							9.00
Stop Fre 5.332500000 GH	and the second					marked .	19.0
CF Stej 2.500000 MH Auto Ma							39.0
Freq Offse 0 H							59.0
			-				69.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1.	Hz	#VBW 3		5.32000 GHz N 1.0 MHz	
		STATUS					ISG

Channel 64: (Chain B)

Channel 100: (Chain B)

Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	1.000 ms (1001 pts)	
Center 5.50000 GHz	40 (514)	0.0.001-		Span 25.00 MHz	
	11 11 1			2.000	
69.0					
59.0					0 H
				1	Freq Offse
49.0				12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>Auto</u> Ma
39,0					CF Ste 2.500000 MH
					CE Oto
29.0				man	5.512500000 GH
19.0					5.487500000 G Stop Fr
9.00					
				N.	Start Free
1.00	•				
11.0					5.50000000 GH
.og					Center Free
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm			IVIKE	1 5.496 125 GHz 3.05 dBm	
	IFGain:Low	#Atten: 30 dB			Auto Tun
Center Freq 5.5000000	0 GHz PNO: Fast 😱	Trig: Free Run	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WANAWAY DET A N N N N N	Frequency
RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	02:21:42 AM May 07, 2015	



Frequency	02:23:13 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE(INT)	er Freq 5.580000000 GHz		
1.10.15	DET A N N N N		Trig: Free Run #Atten: 30 dB	PNO: Fast IFGain:Low	1 3.30000	
Auto Tun	5.573 500 GHz 3.78 dBm	Mkr1			tef Offset 1 di tef 21.00 di	
Center Fre 5.58000000 GH				↓ 1		.0
Start Fre 5.567500000 GH					1	00 10
Stop Fre 5.592500000 GH						0 Automate Angle and
CF Ste 2.500000 MH Auto Ma						o
Freq Offse 0 H						o
	Span 25.00 MHz .000 ms (1001 pts)	Sween 1	3.0 MHz	#\/B\M		nter 5.580

Channel 116: (Chain B)

Channel 140: (Chain B)

RL RF 50Ω AC	SENSE(INT	ALIGNAUTO	02:24:24 AM May 07, 2015	1 - A CONTRACTOR
Center Freq 5.700000000 GHz PNO: IFGair	Fast Free Run HAtten: 30 dB	#Avg Type: RMS	TRACE 123456 TYPE A WWWWW DET A NNNNN	Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm		Mkr1	5.695 125 GHz 2.89 dBm	Auto Tune
11.0		· · · · · · · · · · · · · · · · · · ·		Center Free 5.700000000 GH
9.00			1	Start Free 5.687500000 GH
19.0			Rod when you	Stop Fre 5.712500000 GH
19.0				CF Ste 2.500000 MH Auto Ma
59.0				Freq Offse 0 H
69.0			Span 25.00 MHz	
Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	.000 ms (1001 pts)	



Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm 3.88 dBm Center Freq 100 0		#VDVV	J.V IVINZ	Sweep 1		
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm Trig: Free Run #Atten: 30 dB Mkr1 5.266 850 GHz 3.88 dBm Auto Tune 00 0 dB/div Ref 21.00 dBm Center Freq 3.280 dBm Start Freq 5.26000000 GHz 00 0 dB/div Ref 21.00 dBm Start Freq 5.2600000 GHz Start Freq 5.2600000 GHz 00 0 dB/div Ref 21.00 dBm Start Freq 5.2600000 GHz Start Freq 5.27500000 GHz 100 00 00 00 00 00 00 00 00 00 00 00 00	enter 5.26000 GHz Res BW 1.0 MHz	#\/D\/	30 MHz	Sween 1	Span 25.00 MHz	
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm Trig: Free Run #Atten: 30 dB Mkr1 5.266 850 GHz 3.88 dBm Auto Tune 00 0 dB/div Ref 21.00 dBm Center Free 5.26000000 GHz Center Free 5.2600000 GHz 00 0 dB/div Ref 21.00 dBm Start Free 5.2600000 GHz Center Free 5.2600000 GHz 00 0 dB/div Ref 21.00 dBm Center Free 5.2600000 GHz Start Free 5.27500000 GHz 100 00 00 00 00 00 00 00 00 00 00 00 00		11 10 1			2.000	
Ref Offset 1 dB Mkr1 5.266 850 GHz 0 dB/div Ref 21.00 dBm Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm Start Frequency	9.0					
PROCE 123456 Frequency PNO: Fast Trig: Free Run Wayg Type: RMS Trig: Trequency PNO: Fast Trig: Free Run Wayg Type: RMS Trig: Trequency PNO: Fast Trig: Free Run Wayg Type: RMS Trig: Trequency PNO: Fast It is the state	59.0					
PNO: Fast PNO: F		1.1			1	Freq Offse
PROC Freq 5.26000000 GHz Trig: Free Run #Avg Type: RMS TRACE 1 2 3 4 5 6 Frequency PNO: Fast Trig: Free Run WKr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm 3.88 dBm Center Freq 0 g Image: Center Frequency Start Frequency 0 g Image: Center Frequency Start Freque	19.0	1.1				<u>Auto</u> Mar
PHO: Fast Trig: Free Run IFGain:Low #Avg Type: RMS TRACE 1 2345.6 TYPE A WANNANN Ref 21.00 dBm Frequency OdB/div Ref Offset 1 dB Ref 21.00 dBm Mkr1 5.266 850 GHz 3.88 dBm Auto Tune 0 B 0 Start Free 5.26000000 GHz Auto Tune 0 B 0 Start Free 5.24750000 GHz Start Free 5.24750000 GHz 100 Image: Start Free 5.24750000 GHz Start Free 5.24750000 GHz Start Free 5.24750000 GHz	39,0					2.500000 MH
Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm Ref 21.00 dBm Center Frequency 11.0 1 1 1 5.26000000 GHz Start Frequency 11.0 1 1 1 5.26000000 GHz Start Frequency 100 100 1 1 1 5.26000000 GHz 5.26000000 GHz 11.0 1 1 1 1 5.26000000 GHz 5.26000000 GHz 100 1 1 1 1 1 5.260000000 GHz 5.26000000 GHz 100 1 1 1 1 1 5.247500000 GHz 5.27500000 GHz 19.0 1 1 1 1 1 1 1 1 19.0 1	3.0 *	1.1 1.1			2	1 1
Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm Center Frequency 0 g 11.0 1 1 0 g 11.0 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 0 g 1 1 1 100 1 1 1 100 1 1 1 100 1 1 1 1 100 1 1 1 1 100 1 1 1 1 1 100 1 1 1 1 1 100					Manine	
Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm 3.88 dBm Center Frequency	9.0					
Ref Offset 1 dB Mkr1 5.266 850 GHz O dB/div Ref Offset 1 dB Mkr1 5.266 850 GHz 0 dB/div Ref Offset 1 dB Center Frequency Image: State of the set	9.00	-			1	5.247500000 GH:
Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm 3.88 dBm	1,00				N	Start Fred
Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm 3.88 dBm				●1	La la la la la	5.20000000 GH
Ref Offset 1 dB Mkr1 5.266 850 GHz Frequency Ref Offset 1 dB Mkr1 5.266 850 GHz Auto Tune 0 dB/div Ref 21.00 dBm Auto Tune	11.0					
PNO: Fast PNO: Fast Free Run #Avg Type: RMS TRACE 1 2 3 4 5 6 PNO: Fast Free Run #Avg Type: RMS TYPE A WWWWW FFGain: Low #Atten: 30 dB	0 dB/div Ref 21.00 dBm				3.88 dBm	
Center Freq 5.260000000 GHz #Avg Type: RMS TRACE 1 2 3 4 5 6 Frequency PNO: Fast Trig: Free Run Trig: Free Run		IFGain:Low	#Atten: 30 dB	Mkr1		1
	enter Freq 5.2600000	PNO: Fast		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW	
gilent Spectrum Analyzer - Swept SA	RL RF 50Ω AC		SENSE:INT		02:59:39 AM May 07, 2015	Entertaint

Channel 52: (Chain C)

Channel 60: (Chain C)

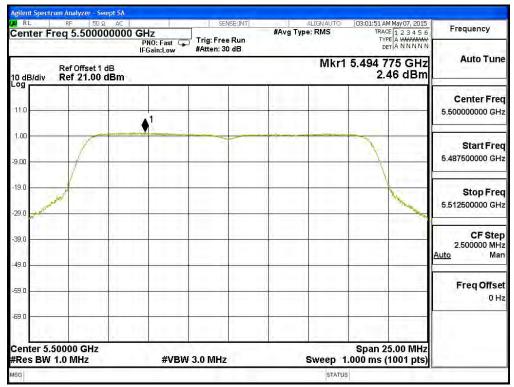
RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	03:00:17 AM May 07, 2015	
Center Freq 5.30000000	PNO: East Trig:	Free Run en: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	IFGailtEow with		Mkr1	5.306 575 GHz 3.72 dBm	Auto Tune
-99			1		Center Fre 5.300000000 GH
9.00					Start Fre 5.287500000 GH
19.0				and a second and	Stop Fre 5.312500000 GH
19.0					CF Ste 2.500000 MH Auto Ma
59.0					Freq Offs 0 F
69.0 Center 5.30000 GHz				Span 25.00 MHz	
#Res BW 1.0 MHz	#VBW 3.0 N	AHz	Sweep 1	.000 ms (1001 pts)	



Frequency	03:00:59 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO Type: RMS	-	SENSE:INT	GHz	50 Q AC		RL enter F
1. m. 1	TYPE A WANAAAA DET A N N N N N			ig: Free Run Atten: 30 dB	PNO: Fast 🖵 IFGain:Low			1
Auto Tun	5.314 850 GHz 3.84 dBm	Mkr1				et 1 dB .00 dBm	Ref Offse Ref 21.0) dB/div
Center Fre					5.1			
5.320000000 GH					♦ ¹			1.0
Start Fre 5.307500000 GH							1	.00
Stop Fre 5.332500000 GH							www.	9.0 9.0
CF Ste 2.500000 MH Auto Ma								9.0
Freq Offse 0 H								9.0
								9.0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1		MHz	#VBW		.32000 GH	

Channel 64: (Chain C)

Channel 100: (Chain C)





Frequency	03:02:34 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGN AUTO	NSE:INT	N. Cal) GHz	RF 50 Ω AC	nter Fre
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	TYPE À WWWWW DET A N N N N N			Trig: Fre #Atten: 3	PNO: Fast G	Contract Address	
Auto Tun	5.575 750 GHz 3.10 dBm	Mkr1	7		3 .	Ref Offset 1 dB Ref 21.00 dBm	
Center Fre							
5.580000000 GH					♦ ¹		0
Start Fre 5.567500000 GH						F	0
Stop Fre 5.592500000 GH	Mun and and a stranger						0
CF Ste 2.500000 MH Auto Ma							ο
Freq Offse 0 H							a
	1000	- 1					0
	Span 25.00 MHz .000 ms (1001 pts)	Sweep 1	2	3.0 MHz	#VBW		nter 5.58 es BW 1.

Channel 116: (Chain C)

Channel 140: (Chain C)

XIRL RF 50Ω AC		SENSE:INT	ALIGNAUTO	03:04:09 AM May 07, 2015	
Center Freq 5.7000000	DO GHz PNO: Fast G IFGain:Low	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N	Frequency
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm			Mkr1	5.694 475 GHz 2.69 dBm	Auto Tune
11.0	▲ ¹				Center Free 5.700000000 GH
9.00					Start Free 5.687500000 GH
-19.0				- Andrew	Stop Free 5.712500000 GH
39.0					CF Ste 2.500000 MH <u>Auto</u> Ma
59.0					Freq Offse 0 H
-69.0				2	
Center 5.70000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Span 25.00 MHz .000 ms (1001 pts)	
ASG			STATUS		L



Product	:	Access Point/Sensor
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)

Channel Number	Frequency (MHz)	Chain	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
		А	2.640	7.411	11	Pass
54	5270	В	2.406	7.177	11	Pass
		С	2.179	6.950	11	Pass
		А	-0.598	4.173	11	Pass
62	5310	В	-0.272	4.499	11	Pass
		С	-0.469	4.302	11	Pass
		А	0.012	4.783	10.93	Pass
102	5510	В	-0.239	4.532	10.93	Pass
		С	-0.509	4.262	10.93	Pass
		А	-0.190	4.581	10.93	Pass
110	5550	В	0.610	5.381	10.93	Pass
		С	-0.360	4.411	10.93	Pass
		А	-0.130	4.641	10.93	Pass
134	5670	В	0.210	4.981	10.93	Pass
		С	-0.250	4.521	10.93	Pass

$5250{\sim}5350MHz,\,5470{\cdot}5600$ MHz and $5650{\cdot}5725$ MHz

Note :

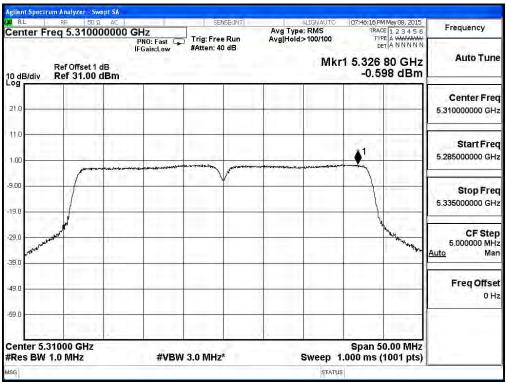
- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.



_			Channel 54	(Chain A)		
	rum Analyzer - Swept SA		-			
RL RL	RF 50 Ω AC Freq 5.27000000	CH-	SENSERINT	ALIGNAUTO Avg Type: RMS	07:45:36 PM May 08, 2015 TRACE 1 2 3 4 5 6	Frequency
Jenter P	req 5.27000000	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 40 dB	Avg Hold:>100/100	TYPE A WAAAAAAAA DET A N N N N N	
10 dB/div	Ref Offset 1 dB Ref 31.00 dBm			Mkr	1 5.276 95 GHz 2.640 dBm	Auto Tune
.09						Center Freq
21.0						5.270000000 GHz
						5.270000000 6Hz
11.0				A 1		Start Freq
1.00	and a second second second		tente and	- marine and the marine and the second	Nonis	5.245000000 GHz
1.50			V	1.		
9.00		_		-		Stop Freq
-19.0						5.295000000 GHz
1510	A				Mun .	
29.0	M ^N				Here when	CF Step
and the second						5.000000 MHz <u>Auto</u> Man
39.0		-				
49.0						Freq Offset
49.0						0 Hz
59.0						
-29.0						
	27000 GHz	#VRM	3.0 MHz*	Sween 1	Span 50.00 MHz .000 ms (1001 pts)	
a forget of the state	118 (110) C		214 11112			
ISG	· · · · · · · · · · · · · · · · · · ·			STATUS		

Channel 54: (Chain A)

Channel 62: (Chain A)





AC 000 GHz	SENSEUNT	ALIGNAUTO Avg Type: RMS	08:34:27 PM May 08, 2015 TRACE 1 2 3 4 5 6	Frequency
IFGain:Low	#Atten: 30 dB			Auto Tune
*1				Center Fred 5.510000000 GH:
•		in a fermionia a general de la competence		Start Free 5.485000000 GH:
				Stop Free 5.535000000 GH
				CF Stej 5.000000 MH <u>Auto</u> Ma
		4 4		Freq Offse 0 H
#//P	M 3.0 MHz*	Sween 1	Span 50.00 MHz	
	000 GHz PNO: Fast C IFGain:Low M	MOO GHZ PNO: Fast IFGain:Low #Atten: 30 dB	ODO GHz Trig: Free Run Avg Type: RMS PR0: Fast Trig: Free Run Avg Hold>100/100 #Atten: 30 dB Mkr	000 GHz Trig: Free Run #Atten: 30 dB Avg Type: RMS Avg Hold>100/100 IPACE 12.3.4.5 G Image: State of the state in th

Channel 102: (Chain A)

Channel 110: (Chain A)

A RL RF 50 Q AC	SENS	EINT	ALIGN AUTO	01:55:42 AM May 07, 2015	1 - A - Contraction
Center Freq 5.550000000 GHz	Trig: Free F D: Fast Trig: Free F Jin:Low #Atten: 30 d	Run	Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Frequency
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm	inclow water. oo a		Mkr	1 5.545 90 GHz -0.19 dBm	Auto Tune
11.0					Center Free 5.550000000 GH
9.00		<u> </u>		1	Start Fre 5.525000000 GH
29.0				Ame	Stop Fre 5.575000000 GH
39.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Ste 5.000000 MH Auto Ma
59.0					Freq Offse 0 H
69.0				1.000	
Center 5.55000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz		Sweep 1	Span 50.00 MHz .000 ms (1001 pts)	
ISG			STATUS		



RL RF 50Ω AC	GHz	SENSE:INT	ALIGNAUTO #Avg Type: RMS	01:57:49 AM May 07, 2015 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 🖵 IFGain:Low	Trig: Free Run #Atten: 30 dB	A CONTRACTOR OF THE	TYPE A WANKAWAN DET A N N N N N	1. A. 1
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	73. ⁷ -	- 21	Mki	r1 5.654 35 GHz -0.13 dBm	Auto Tune
11.0					Center Fred 5.670000000 GH:
.00	-				Start Free 5.645000000 GH
9.0					Stop Free 5.695000000 GH
9.0					CF Stej 5.000000 MH <u>Auto</u> Ma
9.0					Freq Offse 0 H
90				Span 50.00 MHz	
Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	1.000 ms (1001 pts)	

Channel 134: (Chain A)

Channel 54: (Chain B)

RL RF 50 Q AC	SENSE(INT	ALIGNAUTO	11:42:00 PM May 11, 2015	E A LOS AND THAT	
Center Freq 5.270000000 GHz PNO: Fast IFGain:Low	Trig: Free Run Atten: 40 dB	Avg Type: RMS Avg Hold:>100/100	TRACE 123456 TYPE A WWWWWW DET A NNNNN	Frequency	
Ref Offset 1 dB 0 dB/div Ref 31.00 dBm	Atten. 40 0D	Mkr	1 5.259 30 GHz 2.406 dBm	Auto Tun	
21.0		- A - A		Center Fre 5.270000000 GH	
11.0		and the second		Start Fre 5.245000000 GH	
9.00	×			Stop Fre 5.295000000 GH	
29.0			Joseph and	CF Ste 5.000000 MH Auto Ma	
49.0				Freq Offs 0 H	
59.0 Center 5.27000 GHz			Span 50.00 MHz		
Res BW 1.0 MHz #VBW	3.0 MHz*	Sweep 1	.000 ms (1001 pts)		



Frequency	11:40:03 PM May 11, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO Type: RMS Hold:>100/100	SENSE:INT	00 GHz	RF 50 Ω AC Freq 5.31000000	Center F
6000 6 00	TYPE A WARAWAY DET A N N N N N		en:40 dB	PNO: Fast 🦕 IFGain:Low	o.es > crater	
Auto Tun	1 5.308 00 GHz -0.272 dBm	Mkr		1	Ref Offset 1 dB Ref 31.00 dBm	0 dB/div
Center Fre 5,310000000 GH						21.0
Start Fre 5.285000000 GH		analysis and a second				11.0
Stop Fre 5,335000000 GH			V			9.00
CF Ste 5.000000 MH Auto Ma	1					29.0
Freq Offse 0 H						49.0
	Span 50.00 MHz .000 ms (1001 pts)	Sweep 1.	MHz*	#VBW	.31000 GHz	

Channel 62: (Chain B)

Channel 102: (Chain B)

RL RF 50Ω AC		SENSE(INT	ALIGNAUTO	08:35:33 PM May 08, 2015	European and a service
enter Freq 5.51000000	PNO: Fast 😱	Trig: Free Run	Avg Type: RMS Avg Hold:>100/100	TRACE 123456 TYPE A WWWWWW DET A N N N N N	Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	IFGain:Low	#Atten: 30 dB	Mkr	1 5.512 20 GHz -0.239 dBm	Auto Tune
11.0	1				Center Free 5.510000000 GH
9.00	ñ- , tra, di, jalije, je		*********		Start Fre 5.485000000 GH
29.0				1 mg	Stop Fre 5.535000000 GH
39.0				- Andrew	CF Ste 5.000000 MH Auto Ma
59.0					Freq Offse 0 H
59.0					
enter 5.51000 GHz Res BW 1.0 MHz	#VBW	3.0 MHz*	Sweep 1.	Span 50.00 MHz 000 ms (1001 pts)	



Frequency	02:27:19 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE(INT)		RF 50 Ω A req 5.5500000	RL Center F
1	TYPE A WWWAWWW DET A N N N N N	Consecution and	^J Trig: Free Run #Atten: 30 dB	PNO: Fast 🧔 IFGain:Low		
Auto Tun	1 5.552 35 GHz 0.61 dBm	Mkr	1.1.1	B Bm	Ref Offset 1 dB Ref 21.00 dBr	0 dB/div
Center Fre 5.55000000 GH		6.4.4				11.0
						1.00
Start Fre 5.525000000 GH			V			9.00
Stop Fre 5.575000000 GH	hand				- All	19.0
CF Ste 5.000000 MH Auto Ma						19,0
Freq Offse 0 H						9.0
		- 1				9.0
	Span 50.00 MHz .000 ms (1001 pts)	Sweep 1	3.0 MHz	#VBW	55000 GHz 1.0 MHz	

Channel 110: (Chain B)

Channel 134: (Chain B)

MIRL RF 50Ω AC		SENSE:INT	ALIGNAUTO	02:28:29 AM May 07, 2015	Frequency
Center Freq 5.67000000	PNO: Fast	Trig: Free Run	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWWW DET A N N N N N	Frequency
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm	IFGain:Low	#Atten: 30 dB	Mki	1 5.664 75 GHz 0.21 dBm	Auto Tun
- °g			· · · · ·		Center Fre 5.670000000 GH
9.00		V		7	Start Fre 5.645000000 GH
19.0					Stop Fre 5.695000000 GH
90					CF Ste 5.000000 MH Auto Ma
9.0					Freq Offs 0 F
69.0 Center 5.67000 GHz #Res BW 1.0 MHz	#VBW 3	0 MHz	Swaar	Span 50.00 MHz I.000 ms (1001 pts)	
SG	#VDVVJ		STATU		



Frequency	11:35:21 PM May 11, 2015	ALIGNAUTO	SENSE(INT		RF 50 Q AC	RL
Frequency	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Avg Type: RMS Avg Hold:>100/100	Trig: Free Run Atten: 40 dB	GHz PNO: Fast 😱 IFGain:Low	req 5.27000000	Center F
Auto Tun	1 5.263 95 GHz 2.179 dBm	Mkr			Ref Offset 1 dB Ref 31.00 dBm	0 dB/div
Center Fre 5.270000000 GH						21.0
Start Fre 5.245000000 GH				1		11.0
Stop Fre 5.29500000 GH						9.00
CF Ste 5.000000 MH Auto Ma	the second and a second second				www.	29.0 Normanian 39.0
Freq Offse 0 H						49.0
	Span 50.00 MHz 000 ms (1001 pts)	Sween 1	3.0 MHz*	#VBW:	27000 GHz 1.0 MHz	

Channel 54 : (Chain C)

Channel 62 : (Chain C)

RL RF 50Ω AC		SENSE(INT	ALIGNAUTO	11:36:05 PM May 11, 2015	Frequency
Center Freq 5.31000000	PNO: Fast 🕒	Trig: Free Run	Avg Type: RMS Avg Hold:>100/100	TRACE 123456 TYPE A WANAAAAA DET A N N N N N	riequency
Ref Offset 1 dB	IFGain:Low	Atten: 40 dB	Mkr	1 5.321 65 GHz -0.469 dBm	Auto Tun
21.0					Center Fre 5.310000000 GH
1.00	للمحمد فالمحاصر في الحالي والمحاصر		▲ ¹		Start Fre 5.285000000 G⊦
9.00					Stop Fre 5.335000000 G⊦
29.0				have	CF Ste 5.000000 MH Auto Ma
49.0				-	Freq Offs 0 H
59.0 Center 5.31000 GHz				Span 50.00 MHz	
Res BW 1.0 MHz	#VBV	V 3.0 MHz*	Sweep 1	.000 ms (1001 pts)	



gilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	SENSE(INT	ALIGNAUTO	08:35:20 PM May 08, 2015	
enter Freq 5.510000000	GHz PNO: Fast C Trig: Free Run	Avg Type: RMS Avg Hold>100/100	TRACE 1 2 3 4 5 6 TYPE A WWWAWW DET A N N N N N	Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	IFGain:Low #Atten: 30 dB		1 5.502 90 GHz -0.509 dBm	Auto Tune
11.0	A1			Center Fred 5.510000000 GH
2.00				Start Fre 5,485000000 GH
9.0				Stop Fre 5.535000000 GH
9.0				CF Ste 5.000000 MH <u>Auto</u> Ma
i9.0				Freq Offse 0 H
39.0				
Center 5.51000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 1	Span 50.00 MHz .000 ms (1001 pts)	

Channel 102: (Chain C)

Channel 110: (Chain C)

RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	03:06:40 AM May 07, 2015			
Center Freq 5.55000000	PNO: Fast	Trig: Free Run	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Frequency		
Ref Offset 1 dB Mkr1 5.541 40 GHz 10 dB/div Ref 21.00 dBm -0.36 dBm -0.36 dBm							
11.0					Center Fre 5.55000000 GH		
9.00					Start Fre 5.525000000 GH		
29.0					Stop Fre 5.575000000 GH		
19.0					CF Ste 5.000000 Mi <u>Auto</u> Mi		
59.0					Freq Offs 0 H		
©.0 Center 5.55000 GHz				Span 50.00 MHz			
Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	.000 ms (1001 pts)			



SENSE:INT	ALIGNAUTO	03:07:58 AM May 07, 2015	Frequency
Z 0: Fast Trig: Free Run ain:Low #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WAYAWAY DET A N N N N N	Trequency
	Mkı	1 5.655 15 GHz -0.25 dBm	Auto Tune
			Center Freq 5.670000000 GHz
		~	Start Free 5.645000000 GHz
			Stop Frec 5.695000000 GH2
			CF Step 5.000000 MH: <u>Auto</u> Mar
			Freq Offse 0 H:
		1.00	
#VBW 3.0 MHz	Sweep 1	Span 50.00 MHz .000 ms (1001 pts)	
	10: Fast Trig: Free Kun #Atten: 30 dB	ID: Fast I Trig: Free Run aintLow Mkr	ID: Fast Trig: Free Run aint-Low #Atten: 30 dB Mkr1 5.655 15 GHz -0.25 dBm -0.25 dBm -0.25 dBm -0.10 -0.10 -0.10

Channel 134: (Chain C)

:	Access Point/Sensor
:	Peak Power Spectral Density
:	No.3 OATS
:	Mode 4: Transmit (802.11ac-20BW-21.7Mbps) (External Antenna)
	: :

Channel Number	Frequency (MHz)	Chain	PPSD/MHz (dBm)	Total PPSD/MHz	Required Limit (dBm)	Result
	5720(Band3)	А	3.910	8.681	10.93	Pass
144	5720(Band3)	В	4.142	8.913	10.93	Pass
	5720(Band3)	С	3.970	8.741	10.93	Pass

Note :

- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.

Channel Number	Frequency (MHz)	Chain (dBm)	PPSD (dBm)	BWCF (Db)	Total PPSD (dBm)	Required Limit (dBm)	Result
		А	-5.350	6.980	6.401	30	Pass
155	5720(Band4)	В	-5.410	6.980	6.341	30	Pass
		С	-5.240	6.980	6.511	30	Pass

Note :

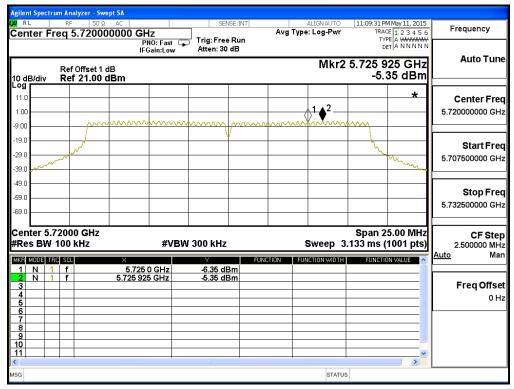
- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.



Agilon	t Spectr	um Ana	alyzer - Sw	ent SA									-
IXI RI	L	RF	50 Ω	AC	Hz NO: Fast	Trig: Free		Avg	ALIGN AUTO Type: Log-Pwr	TRAC	M May 11, 2015 CE 1 2 3 4 5 6 PE A WWWWW	5 Frequen	су
			Offset 1	dB	Gain:Low	Atten: 30	dB		Mkr2	5.722 0		Auto	Tune
10 di Log	B/div	Ref	f 21.00	dBm						3.	91 dBm		
11.00			والمعادين					2	1			Center	
-9.00		_	_									0.7200000	0 0112
-19.0 -29.0	and the second sec	-									A show a new particular but	Start 5.70750000	t Freq
-39.0 -49.0													
-59.0								_				Stop 5.73250000	Freq
-69.0													
	s BW		0 GHz /IHz		#VE	3W 3.0 MHz			Sweep 1		5.00 MHz 1001 pts)		Step 0 MHz Man
MKB 1	MODE TR			× = 705	0 GHz	Y 3.57 dE		INCTION	FUNCTION WIDTH	FUNCTIO	ON VALUE	Auto	wan
2 3 4	N 1			5.722 02		3.91 dE	im im				=	Freq C	Offset
5 6 7 8													
9 10												-	
11 <		-									<u> </u>		
MSG									STATU	5			

Channel 144: (Chain A)

Channel 144: (Chain A)





			alyzer - Swe										
Cen		req :		00000 GH	NO: Fast				ALIGN AUTO ype: RMS old:>100/100	TRA	M May 11, 2019 CE 1 2 3 4 5 PE A WWWWM ET A N N N N	6	Frequency
			Offset 1	dB	Gain:Low	#Atten: 30	dB		Mkr2	2 5.714 9		Z	Auto Tune
10 dE Log	3/div	Re	f 20.00 (dBm	2				1	4.1	42 abri	╢┝	
10.0			سعسمر		2							1	Center Freq
0.00 -10.0													5.720000000 GHz
-20.0		- Ar Ar	*					_		\ \	home -	ł	Otort From
-30.0	and the second	~~~~									and the second s	•	Start Freq 5.707500000 GHz
-40.0						_			_			╢	
-50.0												1	Stop Freq
-60.0 -70.0												1	5.732500000 GHz
												ŀ	
		.7200 / 1.0	0 GHz MHz		#VE	3W 3.0 MHz*			Sweep 1	Span 2 1.000 ms (5.00 MH: 1001 pts)	CF Step 2.500000 MHz
	MODE T	IRC SCL		× 5.725 000		Y 3.934 dE		INCTION	FUNCTION WIDTH	FUNCTI	ON VALUE	1	<u>Auto</u> Man
2 3	N	1 f		5.714 92		4.142 dE						ľ	Freq Offset
4													0 Hz
6 7		+										ŀ	
8		+			_								
10 11													
<		-	1				-				<u> </u>		
MSG									STATU	IS			

Channel 144: (Chain B)

Channel 144: (Chain B)

Ref Offset 0 dB/div Ref 20.0 00 00 00 00 00 00 00 00 00	PNO IFGa :1 dB	D: Fast 😱	Trig: Free #Atten: 30	dB		e: Log-Pwr Mkr2	5.726 2 -5.	275 GHz 41 dBm	Frequency Auto Tur Center Fre 5.72000000 Gi
0 dB/div Ref 20.0	:1 dB 0 dBm					_12	-5.4		Center Fr
10.0 0.00 20.0 30.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www		www		
20.0 30.0		·····v	m	$\sim \sim $	www	www	m		
and a start and a start									Start Fro
								mm	5.707500000 G
0.0									Stop Fr 5.732500000 G
enter 5.72000 GH	z							5.00 MHz	CF Sto
Res BW 100 kHz	× 5.725 000		300 kHz Y -5.55 dB			Sweep 3.		1001 pts)	2.500000 M <u>Auto</u> M
2 N 1 f 3 4 5 5	5.726 275		-5.55 dB -5.41 dB						Freq Offs 0
5 7 3 9									
0								~	



Agilen	it Spec	ctrum	i Ana	lyzer - Swe	pt SA								
uxi ⊓ Cen		Fre	RF q 5	50 Ω 5.72000	AC 0000 G	- Iz NO: Fast		ENSE:INT	Avg	ALIGN AUTO Type: Log-Pwr	TRA(TY	M May 11, 2015 CE 1 2 3 4 5 6 PE A WWWWM	Frequency
_			Bof	Offset 1 o	IF	NU: Fast Gain:Low				Mkr	□ 2 5.713 6	ET A NNNN	Auto Tupo
10 di Log	B/div			20.00 c							3.	97 dBm	
10.0					²				_	1			Center Freq
0.00			_		· · · · ·								5.720000000 GHz
-10.0													
-20.0		للمحلحان	4						_		``````````````````````````````````````	Warnel	Start Freq
-30.0	and the		_						_			- Andrews	5.707500000 GHz
-40.0									_				
-50.0						+			_				Stop Freq
-60.0						-							5.732500000 GHz
-70.0													
Cen	ter :	5.72	200	0 GHz							Span 2	5.00 MHz	CF Step
#Re	s B∖	N 1.	A 0.	/Hz		#V	BW 3.0 MH	z		Sweep	1.000 ms ((1001 pts)	2.500000 MHz
	MODE				×		Y		UNCTION	FUNCTION WIDTH	H FUNCTIO	ON VALUE	<u>Auto</u> Man
1 2	N N	1	f f		5.725 00 5.713 60		2.62 c 3.97 c	IBm IBm					
3													Freq Offset 0 Hz
5 6													0 Hz
7													
8 9													
10 11			_									~	
<							Ш						
MSG										STATI	US		

Channel 144: (Chain C)

Channel 144: (Chain C)

g <mark>ilent Spectrum</mark> / RL	Analyzer - Swep RF 50 Ω	AC AC		SENSE:IN	T	ALIGNAUTO	11:12:51 0	M May 11, 2015	[
enter Frec		0000 GHz			Avg	Type: Log-Pwr	TRAC	E123456	Frequency
		PNO: F IFGain:		g: Free Run ten: 30 dB		Mkra	D		Auto Tur
	ef Offset 1 di ef 21.00 di							24 dBm	
11.0									Center Fre
0.00		mm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm		m		5.720000000 G
9.0				· V					Start Fr
9.0	and a start of the							www.war	5.707500000 G
9.0									Stop Fr
9.0									5.732500000 G
enter 5.720								5.00 MHz	CF St
Res BW 10		×	#VBW 300	kHz	FUNCTION	Sweep 3		1001 pts)	2.500000 M Auto N
1 N 1 1	F F	5.725 0 GH		102 dBm 5.24 dBm			Tonent		
3 4 5									Freq Offs 0
5 6 7									
9									
0								~	
G						STATUS	5		L



Product	:	Access Point/Sensor
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit (802.11ac-40BW-45Mbps) (External Antenna)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)1	Required Limit (dBm)	Result
		А	0.560	5.331		Pass
142	5710(Band3)	В	1.269	6.040	10.93	Pass
		С	0.470	5.241		Pass

Note :

- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (Db)	Total PPSD (dBm)1	Required Limit (dBm)	Result
		А	-9.450	6.980	2.301	30	Pass
155	5710(Band4)	В	-9.610	6.980	2.141	30	Pass
		С	-9.530	6.980	2.221	30	Pass

Note :

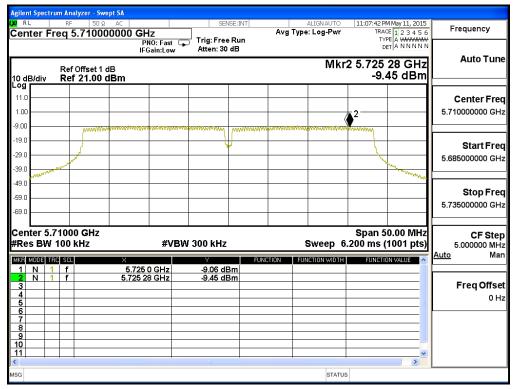
- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.



		ctrun		ılyzer - Sw												
(X) R Mar		2 5	RF	50 Ω 32000				1	NSE:INT	Avç		ALIGN AUTO : Log-Pwr	TRA T)	M May 11, 20: CE 1 2 3 4 5 PE A WWW	6	Peak Search
_						PNO: F IFGain:	ast ⊂⊾ Low	Atten: 30					[ET A N N N N	IN	Next Peak
	B/div			Offset 1 21.00								WK	2 5.713 0.	20 GH 56 dBr		
Log 11.0										2			<u>_</u> 1			
1.00								and the second s		-		andress and a	<u> </u>			Next Pk Right
-9.00 -19.0																
-29.0		non-re	4							_			1	moren		Next Pk Left
-39.0	-									_						
-49.0 -59.0																Marker Delta
-69.0										_						Marker Deita
Cen	ter :	5.7	100	0 GHz									Span 5	0.00 MH	Iz	
#Re				ЛНz			#VBW	3.0 MHz				<u> </u>	.000 ms (<u> </u>	5)	Mkr→CF
1	MODE	1	f		× 5.7	725 0 GH	lz	-0.706 di	3m	UNCTION	FUN	CTION WIDTH	FUNCTI	ON VALUE	^	
2 3 4	Ν	1	f		5.7	13 20 GH	lz	0.56 dl	3m							Mkr→RefLvl
5 6							-								Ξ	
7							_									More
9 10							_									1 of 2
11											-				~	
MSG												STATU	S			

Channel 142 : (Chain A)

Channel 142: (Chain A)





Agilen	t Sner	trum	۸na	lyzer - Sw	ent SA														
lxi ri	L		RF	່ 50 Ω 51500	2 AC				1	NSE:INT			Type:	LIGN AUTO RMS 100/100	TR	PM May 11, 3 ACE 1 2 3 4 YPE A WMM	456	F	^o eak Search
						PN IFG	10: Fast Sain:Lov	v P	#Atten: 3			Avgir	1010.2		2 5.694	DET A N N I	V N N	F	eak Criteria▶
10 di Log	B/div			Offset 1 20.00										WIKI		269 dE			
10.0			-		● 2-								_		<u>_</u> 1		_		Peak Table▶
0.00 -10.0				/											¥				
-20.0	_	- 14		/						-			-			N _{RM}	_		Continuous
-30.0 -40.0	****															10 al march and a	~~~	<u>On</u>	Peak Search
-50.0													_				_		
-60.0 -70.0																			
	ter f	5.71	000) GHz											Span	50.00 N	1Hz		
#Re	s Bl	№ 1.	0 N				#V	ΒW	3.0 MHz	*				weep 1	.000 ms	(1001 p	ots)		Pk-Pk Search
MKR 1 2	NODE N N	TRC 1	SCU f			25 000 694 50			-0.754 d 1.269 d		FUNC	IION	FUN	CTION WIDTH	FUNC	'ION VALUE	^		
3	IN	•	-		0.	.094 50	JGHZ		1.269 0	DIII									Min Search
5 6 7																	=		
8 9																			More
10 11																	~		2 of 2
MSG														STATUS	3				

Channel 142: (Chain B)

Channel 142: (Chain B)

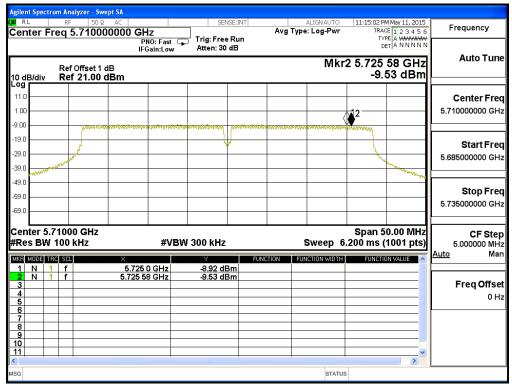
RL	m Analyzer - Sv	2 AC		SENSE:I	NT	A	LIGNAUTO	10:21:20.0	M May 11, 2015	[
	eq 5.7100	00000 GH	Iz	7	A		Log-Pwr	TRA	CE 1 2 3 4 5 6 PE A WWWWW	Frequency
0 dB/div	Ref Offset 1 Ref 20.00	dB	NO: Fast G Gain:Low	#Atten: 30 dE			Mkr	[□] 2 5.725	30 GHz 61 dBm	Auto Tun
					AUGANAPOG	سرمورورور		2		Center Fre 5.710000000 GI
0.0	www.contrological								Mary and a start	Start Fr 5.685000000 G
0.0 0.0 0.0										Stop Fr 5.735000000 G
Res BW			#VBV	V 300 kHz				.200 ms (0.00 MHz 1001 pts)	CF St 5.000000 M Auto M
KR MODE TR 1 N 1 3 4 5 6		× 5.725 00 5.725 3		- <u>9.81 dBm</u> -9.61 dBm	FUNCTION		TION WIDTH	FUNCTI		Freq Offs 0
7 8 9 0 1									v	
G							STATUS			



Agiler	nt Spe	ctrun	1 Ana	ılyzer - Swe	≥pt SA										
Cer		Fre	RF q (50 Ω 5.71000	AC	Hz		NSE:INT	Avg		GNAUTO .og-Pwr	TRAC	M May 11, 201 CE 1 2 3 4 5 PE A WWWW	6	Frequency
_					IF	NO: Fast Gain:Low	#Atten: 3				Miler	D	et A N N N N	N	Auto Tune
	Ref Offset 1 dB Mkr2 5.696 90 GHz dB/div Ref 20.00 dBm 0.47 dBm														
Log 10.0					2 -							1			Center Freq
0.00 -10.0											(5.710000000 GHz
-20.0			_	/								L \			Otort From
-30.0	and the second	-10-M	- ANA							_		````	and the second		Start Freq 5.685000000 GHz
-40.0 -50.0										-					
-60.0															Stop Freq
-70.0			+							_				╢	5.735000000 GHz
				0 GHz				1					0.00 MH		CF Step
	#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)									5.000000 MHz <u>Auto</u> Man					
1	N N	1	f		5.725 00 5.696 9		-0.63 d 0.47 d	Bm	onenon	TORE		Tonem			
3	.,				0.0000		0.41 0	2.11							Freq Offset 0 Hz
5														Ξ	0112
7 8 9															
10 11														~	
< MSG											STATUS	,			
100											STATUS	'			

Channel 142: (Chain C)

Channel 142: (Chain C)





Product	:	Access Point/Sensor
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PPSD (dBm)1	Required Limit (dBm)	Result
		А	-7.270	-2.499		Pass
58	5290	В	-5.200	-0.429	11	Pass
		С	-5.990	-1.219		Pass
		А	-5.670	-0.899		Pass
106	5530	В	-3.800	0.971	10.93	Pass
		С	-5.330	-0.559		Pass
	5610	А	-3.080	1.691		Pass
122		В	-2.640	2.131	10.93	Pass
		С	-2.970	1.801		Pass
	5690(Band3)	А	-2.760	2.011		Pass
138		В	-1.730	3.041	10.93	Pass
		С	-2.700	2.071		Pass

Note :

 The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.

2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (Db)	Total PPSD (dBm)1	Required Limit (dBm)	Result
	5690(Band4)	А	-13.570	6.980	-1.819	30	Pass
138		В	-13.180	6.980	-1.429	30	Pass
		С	-13.610	6.980	-1.859	30	Pass

Note :

- The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
- 2. The peak power spectral density shall be reduced by the amount in Db that the directional gain of the antenna exceeds 6 dBi.



Agilent Spectrum Analyzer - Swept SA K RL RF 50 Ω AC	SENSE:INT	ALIGNAUTO	02:26:16 PM Apr 25, 2015	Frequency			
Center Freq 5.290000000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWWW DET A N N N N N	Trequency			
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm		Mkr1 5.309 2 GHz -7.27 dBm					
11.0		- 1		Center Fred 5.290000000 GH:			
3.00		1 1		Start Free 5.240000000 GH:			
9.0				Stop Free 5.340000000 GH			
9.0				CF Step 10.000000 MH Auto Mar			
				Freq Offse 0 Hi			
Center 5.29000 GHz			Span 100.0 MHz	ļ.			
-59.0 -69.0 	BW 3.0 MHz	Sweep	Span 100.0 MHz 1.00 ms (1001 pts)	Freq C			

Channel 58 : (Chain A)

Channel 106: (Chain A)

Contraction of the local distance of the loc	02:28:45 PM Apr 25, 2015	ALIGNAUTO	SENSE:INT	AC	RF 50 Ω AC	RL
Frequency	TRACE 1 2 3 4 5 6 TYPE A WARAWAY DET A N N N N N	#Avg Type: RMS	Trig: Free Run		r Freq 5.53000000	
Auto Tune	r1 5.505 8 GHz -5.67 dBm	Mk	#Atten: 30 dB	IFGain:Low	Ref Offset 1 dB iv Ref 21.00 dBm	10 dB/div
Center Free 5.530000000 GH						11.0
Start Fre 5.480000000 GH	-			↓ ¹		1,00 9.00
Stop Fre 5.58000000 GH						-19.0
CF Ste 10.000000 MH <u>Auto</u> Ma	and the second s				"Notice and	39.0
Freq Offse 0 H						49.0 59.0
					1 1 1 1	-69.0
	Span 100.0 MHz 1.00 ms (1001 pts)	Sweep	3.0 MHz	#VBW :	5.53000 GHz SW 1.0 MHz	
<u>l</u>		STATUS				ASG



Frequency	01:46:11 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE(INT)	GHz	RF 50 Ω AC eq 5.610000000	enter Fi
1.00	TYPE A WWWWWW DET A N N N N N		Trig: Free Run #Atten: 30 dB	PNO: Fast 😱 IFGain:Low		
Auto Tun	r1 5.582 6 GHz -3.08 dBm	Mk	1.1	22.4	Ref Offset 1 dB Ref 21.00 dBm	0 dB/div
Center Fre				1.1		J
5.610000000 GH						11.0
Start Fre					↓ 1	1.00
5.560000000 GH						9.00
Stop Fre						19.0
5.660000000 GH						29.0
CF Ste	Man				~	39.0
10.000000 MH <u>Auto</u> Ma	1					
10.0						49.0
Freq Offse 0 H						59.0
-				_		69.0
	Span 100.0 MHz .000 ms (1001 pts)		3.0 MHz		1000 GHz	Center 5.0

Channel 122: (Chain A)

Channel 138: (Chain A)

Agilent Spectrum Analyzer - Swept SA					
XX RL RF 50Ω AC Center Freq 5.690000000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	11:18:10 PM May 11, 2015 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency	
PNO: Fas IFGain:Lo			DET A N N N N N	Auto Tune	
Ref Offset 1 dB 10 dB/div Ref 21.00 dBm		MK	r2 5.676 0 GHz -2.76 dBm		
Log 11.0	2			Center Freq	
1.00	2		1	5.69000000 GHz	
-9.00	¥			Start Freq	
-29.0			M. Margana	5.640000000 GHz	
-39.0					
-59.0				Stop Freq 5.74000000 GHz	
-69.0				5.74000000 GH2	
Center 5.69000 GHz #Res BW 1.0 MHz #\	/BW 3.0 MHz	Sweep 1.	Span 100.0 MHz 000 ms (1001 pts)	CF Step 10.000000 MHz	
MKR MODE TRC SOL X 1 N 1 f 5.725 0 GHz		CTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar	
2 N 1 f 5.676 0 GHz				Freq Offset	
4 5 6			E	0 Hz	
7 8					
9 10 11					
11			×		
MSG		STATUS			



Agilon	t Snor			ılyzer - Sw	ant SA														
LXI R	L		RF	50 Ω 5.69000	AC	PNO	D: Fast	-	SB Trig: Fre Atten: 30			Avg		LIGN AUTO	11:11:15 Ti	RACE 1	ay 11, 20 2 3 4 5 WWWW	56	Frequency
			Dof	Offset 1	48	IFGa	nin:Low	1	Atten: 30	dB				M	(r2 5.7	26 2	2 GH	z	Auto Tune
10 d Log	B/div			21.00											-13	3.57	dBr	n	
11.0			-					_					_			-			Center Freq
1.00 -9.00																2			5.690000000 GHz
-19.0				angenangangganggangg	n kan kan kan kan kan kan kan kan kan ka	allin alling	eren deren d	intwitten	and from the part of the second s	under de	-angle and a	nentin name	halman	uluntulan (subapala)	and a second second	4			Stort From
-29.0										1			_						Start Freq 5.64000000 GHz
-39.0 -49.0	nep th	and the second														1	and the second second		
-49.0 -59.0																			Stop Freq
-69.0			_										_			_			5.740000000 GHz
				0 GHz											Span	100	.0 MH	IZ	CF Step
#Re	s B1 Mode			kHz	×		#V	BW	300 kHz		FUNC	STICK!		weep 1		s (10 Monm	<u> </u>		10.000000 MHz <u>Auto</u> Man
1	N	1	f		5.	. <u>725 0</u> .726 2			-13.93 d	Bm	FUNU	TION	FON	STION WIDTH	FUNI	SHON V	ALUE	-	
3	N	-	-		.	.7202	0112		-10.07 0	5111									Freq Offset 0 Hz
5 6																		Ш	0 Hz
7 8 9																			
9 10 11			_																
<	-						- 1			-									
MSG														STATU	5				

Channel 138: (Chain A)

Channel 58: (Chain B)

α RL RF 50Ω AC		NSE:INT				Apr 25, 2015	Engeling
Center Freq 5.290000000 GH	Z 0: Fast ain:Low #Atten: 3	e Run	#Avg Type: Ri	MS	TRAC TYP DE	E 1 2 3 4 5 6 E A WWWWW T A N N N N N	Frequency
Ref Offset 1 dB 0 dB/div Ref 21.00 dBm	anitow whiten e			Mkr		5 7 GHz 20 dBm	Auto Tun
11.0		-					Center Fre 5.290000000 GH
9.00		V					Start Fre 5.240000000 GH
29.0							Stop Fre 5.340000000 G⊦
39.0 Jacobara						and a second	CF Ste 10.000000 MF Auto Ma
59.0							Freq Offs 0 F
Center 5.29000 GHz	#\/BW 3.0 MI			een 10		00.0 MHz	
Res BW 1.0 MHz	#VBW 3.0 MHz		Sw	eep 1.0		1001 pts)	



Frequency	E123456	02:16:27 PM TRAC	ALIGNAUTO #Avg Type: RMS	SENSE(INT	GHz	RF 50 Ω AC req 5.530000000	enter F
a with the	TANNNN N	DE		Trig: Free Run #Atten: 30 dB	PNO: Fast 😱 IFGain:Low		
Auto Tun	38 GHz 80 dBm	r1 5.538 -3.8	MI	1.2		Ref Offset 1 dB Ref 21.00 dBm	0 dB/div
Center Fre 5.530000000 GH							11.0
Start Fre 5.480000000 GH			1				1.00 9.00
Stop Fre 5.58000000 GH							9.0
CF Ste 10.000000 MH Auto Ma	Mar and					/	9.0
Freq Offse 0 H							9.0
	00.0 MHz 1001 pts)	Span 1		3.0 MHz		53000 GHz	enter 5.

Channel 106: (Chain B)

Channel 122: (Chain B)

RL RF 50Ω AC		SENSE:INT	ALIGNAUTO	02:15:22 AM May 07, 2015	- I and the second second
Center Freq 5.6100000	PNO: Fast	Trig: Free Run	#Avg Type: RMS	TRACE 123456 TYPE A WANAWAY DET A N N N N N	Frequency
Ref Offset 1 dB	IFGain:Low	#Atten: 30 dB	Mł	(r1 5.593 1 GHz -2.64 dBm	Auto Tune
					Center Fre 5.61000000 GH
9.00					Start Fre 5.560000000 GH
29.0					Stop Fre 5.66000000 GH
39.0				and the second s	CF Ste 10.000000 MH Auto Ma
59.0					Freq Offse 0 H
©0 Center 5.61000 GHz #Res BW 1.0 MHz	#\/DW	3.0 MHz		Span 100.0 MHz	
	#VDVV	J.V (VIEZ	Sweep 1	.000 ms (1001 pts)	



Agilent Spect	rum Analyzer -	Swept SA							
LXI RL	RF 5	0Ω AC 0000000 GHz	: Fast C	SENSE:	Avg	ALIGNAUT Type: RMS Hold>100/100	TRA TY	M May 11, 2015 CE 1 2 3 4 5 6 PE A WWWWW	Frequency
		IFGa	in:Low	#Atten: 30 dE	3	۲	□ 100 Mkr2 5.66		Auto Tune
10 dB/div	Ref Offset Ref 20.0			,				30 dBm	
10.0		2							Center Freq
-10.0			**						5.69000000 GHz
-20.0									Start Freq
-30.0								And and a second second	5.640000000 GHz
-40.0									
-60.0		_							Stop Freq
-70.0									5.740000000 GHz
Center 5. #Res BW	69000 GH:	Z	#\/B\/	V 3.0 MHz*		Sween	Span 1 1.000 ms (00.0 MHz	CF Step 10.000000 MHz
MKR MODE T		×	#787	¥ 3.0 IVII 12 Y	FUNCTION	FUNCTION WIL			Auto Man
1 N 2 N	f f	5.725 000 5.664 9		-4.173 dBm -1.730 dBm					
3 4									Freq Offset 0 Hz
5 6 7									
8									
10 11								~	
к мsg 🗘 Aligi	nment Comp	leted				ST/	ATUS		

Channel 138: (Chain B)

Channel 138: (Chain B)

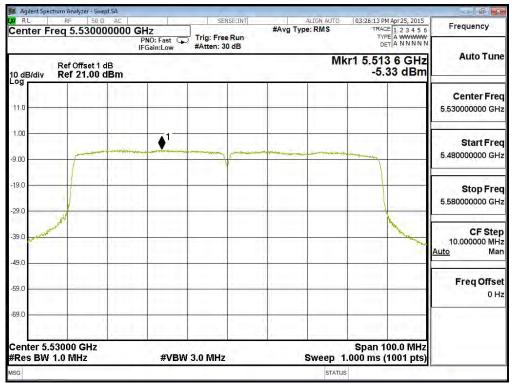
Agilent Spectrum Analyzer - Swep					
🕅 RL RF 50 Ω Center Freq 5.690000	0000 GHz	Avg Type	: Log-Pwr TF	PM May 11, 2015 RACE 1 2 3 4 5 6	Frequency
	PNO: Fast 🕞 Trig: Free IFGain:Low #Atten: 30			DET A N N N N N	Auto Tun
Ref Offset 1 dB 10 dB/div Ref 20.00 dI			Mkr2 5.7: 13-	25 3 GHz 3.18 dBm	AutoTune
					Contor Fro
0.00					Center Fred 5.69000000 GHz
-10.0	annoutly of the state of the st	ennisisten et annien wierdeten aus			
-20.0					Start Fred
-30.0				V.	5.64000000 GHz
-50.0				and and the states	
-60.0					Stop Fred 5.740000000 GHz
-70.0					0.14000000 011
Center 5.69000 GHz #Res BW 100 kHz	#VBW 300 kHz	5	Span Sweep 12.40 ms	100.0 MHz (1001 pts)	CF Step 10.000000 MH;
MKR MODE TRC SCL	Х Ү	FUNCTION FUN	•		<u>Auto</u> Mar
1 N 1 f	5.725 000 GHz -13.267 dE 5.725 3 GHz -13.18 dE				
3 4					Freq Offset 0 Hz
5 6 7					
7 8 9					
10 11					
<		• •			
MSG			STATUS		



_ # *		(Chan C)	channel 30		C 4 1 1 C 1 C	Dr. A. Share Car
Frequency	03:23:50 PM Apr 25, 2015 TRACE 1 2 3 4 5 6 TYPE A WWWWWW	ALIGN AUTO #Avg Type: RMS	SENSE:INT	Ω AC 00000 GHz	Spectrum Analyzer - Swept SA RF 50 Ω AC F Freq 5.29000000	RL
Auto Tune	TYPE A WWWWW DET A NNNNN	Mł	#Atten: 30 dB		Ref Offset 1 dB	
Center Free	-5.99 dBm	T	-	dBm	iv Ref 21.00 dBm	0 dB/div og
5.290000000 GH						11.0
Start Free 5.240000000 GH	a-mainting			<u> </u>		9.00
Stop Free 5.340000000 GH						29.0
CF Stej 10.000000 MH Auto Ma	Non-company				- and the second s	39.0 49.0
Freq Offse 0 H						i9.0 i9.0
						69.0
	Span 100.0 MHz .000 ms (1001 pts)		3.0 MHz	#VBW	5.29000 GHz SW 1.0 MHz	#Res BW
	5	STATUS				ISG

Channel 58: (Chain C)

Channel 106: (Chain C)

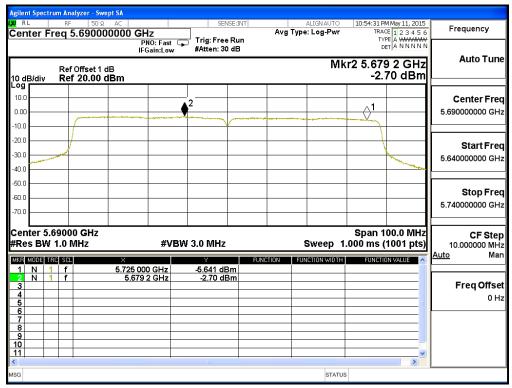




Frequency	02:57:40 AM May 07, 2015 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE:INT		RF 50 Ω AC Freq 5.61000000	enter F
100.00	DET A NNNNN	1.1.1.2.1.1.1	Trig: Free Run #Atten: 30 dB	PNO: Fast 😱 IFGain:Low		
Auto Tun	r1 5.585 7 GHz -2.97 dBm	Mk	- 2 -		Ref Offset 1 dB Ref 21.00 dBm	0 dB/div
Center Fre 5.61000000 GH						11.0
Start Fre 5.56000000 GH			- Vernejierier	• ¹		1.00 9.00
Stop Fre 5.66000000 GH						9.0 <u> </u>
CF Ste 10.000000 MH Auto Ma	And and a second					9.0
Freq Offse 0 H						9.0
	Span 100.0 MHz .000 ms (1001 pts)	Swoon	3.0 MHz		5.61000 GHz N 1.0 MHz	

Channel 122: (Chain C)

Channel 138: (Chain C)





		m C)							
						ept SA	alyzer - Sw	ctrum An	
Frequency	11:12:46 PM May 11, 2015 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	ALIGNAUTO pe: Log-Pwr	Avg	SENSE:	PNO: Fast	00000 GI		Freq :	nter
Auto Tun	r2 5.726 2 GHz	Mk		Atten: 30 dB	FGain:Low	IF	Offset 1	Ref	
	-13.61 dBm						f 21.00		dB/div
Center Fre 5.69000000 G⊦									
	2	Adam with disciputorial and	herrowing with the second	histophistophia. with	Magdaganulachuler	an the state of the	NT CONTRACTOR OF CONTRACTOR		
Start Fre 5.640000000 GH									.0 0.
0.04000000 01	Margaren and Margaren				_			-	.0
Stop Fre									.0
5.740000000 GH									.0
CF Ste 10.000000 MH	Span 100.0 MHz 2.40 ms (1001 pts)	Sweep 12		W 300 kHz	#VE		0 GHz kHz	5.6900 N 100	
<u>Auto</u> Ma	FUNCTION VALUE	UNCTION WIDTH	FUNCTION	Y		×		TRC SCL	
Freq Offs				-14.29 dBm -13.61 dBm	5 0 GHz 6 2 GHz			1 f 1 f	N N
0 H									
									1
	×				-			-	1
		STATUS							

Channel 138: (Chain C)



5. Radiated Emission

5.1. Test Equipment

The following test equipments are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
\Box Site # 3	Х	Loop Antenna	Teseq	HLA6121 / 37133	Sep., 2015
	Х	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2015
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2015
	X Horn Antenna		Schwarzbeck	BBHA9170/208	Jul., 2015
	Х	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2015
	Х	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2015
	Х	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar., 2015
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2015
	Х	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2015
	Х	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2015
	Х	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	Х	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

Test Site	Equipment		Manufacturer	Model No./Serial No.	Last Cal.
CB # 8	Х	Spectrum Analyzer	R&S	FSP40/ 100339	Oct., 2015
	X	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar., 2015
	Х	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan., 2015
	Х	Horn Antenna	TRC	AH-0801/95051	Aug., 2015
	X Pre-Amplifier		EMCI	EMC012630SE/980210	Jan., 2015
	Х	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul., 2015
	Х	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul., 2015

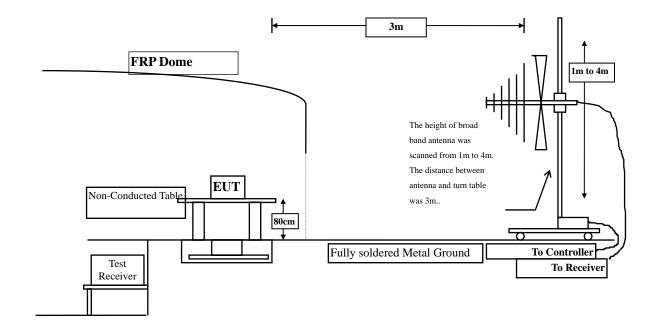
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

 \triangle The test instruments marked with "X" are used to measure the final test results.

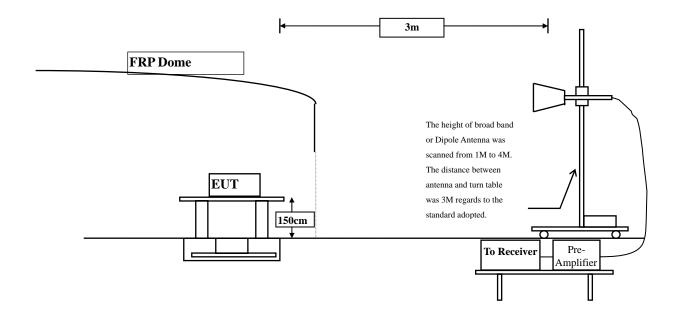


5.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



5.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20Db below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits						
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)				
0.009-0.490	2400/F(kHz)	300				
0.490-1.705	24000/F(kHz)	30				
1.705-30	30	30				
30-88	100	3				
88-216	150	3				
216-960	200	3				
Above 960	500	3				

Remarks: E field strength (dB μ V/m) = 20 log E field strength (Uv/m)

5.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas. The measurement is divided into the Preliminary Measurement and the Final Measurement. The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 Db bandwidth of the antenna. The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

5.5. Uncertainty

- \pm 3.8 Db below 1GHz
- ± 3.9 Db above 1GHz

5.6. Test Result of Radiated Emission

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) (5260MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m
Horizontal					
Peak Detector:					
10520.000	14.150	35.410	49.560	-24.440	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
10520.000	14.150	37.000	51.150	-22.850	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.



Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	: No.3 OA	: No.3 OATS						
Test Mode	: Mode 1:	Transmitter (802	.11a-6Mbps) (Interna	l Antenna) (5300	MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	$dB\mu V/m$			
Horizontal								
Peak Detector:								
10600.000	14.176	35.710	49.886	-24.114	74.000			
15900.000	*	*	*	*	74.000			
21200.000	*	*	*	*	74.000			
26500.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10600.000	14.176	36.390	50.566	-23.434	74.000			
15900.000	*	*	*	*	74.000			
21200.000	*	*	*	*	74.000			
26500.000	*	*	*	*	74.000			
Average								
D								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

: Access Point/Sensor						
: Harmonic Radiated Emission Data						
: No.3 OATS						
: Mode 1:	Transmitter (802	.11a-6Mbps) (Interna	1 Antenna) (5320)	MHz)		
Correct	Reading	Measurement	Margin	Limit		
Factor	Level	Level				
Db	dBµV	dBµV/m	Db	dBµV/m		
14.152	35.600	49.752	-24.248	74.000		
*	*	*	*	74.000		
*	*	*	*	74.000		
*	*	*	*	74.000		
14.152	35.850	50.002	-23.998	74.000		
*	*	*	*	74.000		
*	*	*	*	74.000		
*	*	*	*	74.000		
	: Harmoni : No.3 OA : Mode 1: Correct Factor Db 14.152 * * * * *	 Наттопіс Radiated Emiss No.3 OATS Mode 1: Transmitter (802 Correct Reading Factor Level Db dBµV 14.152 35.600 * * * * 	 Harmonic Radiated Emission Data No.3 OATS Mode 1: Transmitter (802.11a-6Mbps) (Internal Correct Reading Measurement Factor Level Level Db dBμV dBμV/m 14.152 35.600 49.752 * * * * 14.152 35.850 50.002 * 	: Harmonic Radiated Emission Data : No.3 OATS : Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) (5320 Correct Reading Measurement Margin Factor Level Level Db dBµV dBµV/m Db 14.152 35.600 49.752 -24.248 * * * * * * * * 14.152 35.600 49.752 -24.248 * * * * * * * * * * * * * * * * 14.152 35.850 50.002 -23.998 * * * * * * * *		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 1:	Transmitter (802	.11a-6Mbps) (Interna	l Antenna) (5500	MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
11000.000	14.527	35.700	50.228	-23.772	74.000		
16500.000	*	*	*	*	74.000		
22000.000	*	*	*	*	74.000		
27500.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11000.000	14.527	36.610	51.138	-22.862	74.000		
16500.000	*	*	*	*	74.000		
22000.000	*	*	*	*	74.000		
27500.000	*	*	*	*	74.000		
Average							

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.



Product	: Access Point/Sensor						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OAT	S					
Test Mode	: Mode 1: T	ransmitter (802	.11a-6Mbps) (Interna	l Antenna) (5580)	MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	$dB\mu V/m$		
Horizontal							
Peak Detector:							
11160.000	14.734	35.060	49.794	-24.206	74.000		
16800.000	*	*	*	*	74.000		
22400.000	*	*	*	*	74.000		
28000.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11160.000	14.734	35.990	50.724	-23.276	74.000		
16800.000	*	*	*	*	74.000		
22400.000	*	*	*	*	74.000		
28000.000	*	*	*	*	74.000		
Average							

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) (5700MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11400.000	14.869	34.880	49.749	-24.251	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11400.000	14.869	36.900	51.769	-22.231	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item Test Site	: No.3 OATS	adiated Emission			
Test Mode	: Mode 2: Tran	nsmitter (802.11n	-20BW 21.7Mbps) (I	nternal Antenna)	(5260MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
10520.000	14.150	31.595	45.745	-28.255	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
10520.000	14.150	31.577	45.727	-28.273	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/	Sensor					
Test Item	:	Harmonic Ra	Harmonic Radiated Emission Data					
Test Site	:	No.3 OATS						
Test Mode	:	Mode 2: Tran	smitter (802.11n-2	20BW 21.7Mbps) (In	ternal Antenna) (3	5300MHz)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector	:							
10600.000		14.176	30.876	45.052	-28.948	74.000		
15900.000		*	*	*	*	74.000		
21200.000		*	*	*	*	74.000		
26500.000		*	*	*	*	74.000		
Average								
Detector:								
Vertical								
Peak Detector	:							
10600.000		14.176	31.055	45.231	-28.769	74.000		
15900.000		*	*	*	*	74.000		
21200.000		*	*	*	*	74.000		
26500.000		*	*	*	*	74.000		
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/	Sensor					
Test Item	: Harmonic Rad	Harmonic Radiated Emission Data					
Test Site	: No.3 OATS						
Test Mode	: Mode 2: Trans	smitter (802.11n-2	20BW 21.7Mbps) (Int	ternal Antenna) (3	5320MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
10640.000	14.152	30.454	44.606	-29.394	74.000		
15960.000	*	*	*	*	74.000		
21280.000	*	*	*	*	74.000		
26600.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
10640.000	14.152	30.906	45.058	-28.942	74.000		
15960.000	*	*	*	*	74.000		
21280.000	*	*	*	*	74.000		
26600.000	*	*	*	*	74.000		
Average							
Detector:							

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/S	Sensor					
Test Item	:	Harmonic Rad	Harmonic Radiated Emission Data					
Test Site	:	No.3 OATS						
Test Mode	:	Mode 2: Trans	mitter (802.11n-20	OBW 21.7Mbps) (Inte	ernal Antenna) (5	500MHz)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector	r:							
11000.000		14.527	31.167	45.695	-28.305	74.000		
16500.000		*	*	*	*	74.000		
22000.000		*	*	*	*	74.000		
27500.000		*	*	*	*	74.000		
Average								
Detector:								
Vertical								
Peak Detector	r:							
11000.000		14.527	30.942	45.470	-28.530	74.000		
16500.000		*	*	*	*	74.000		
22000.000		*	*	*	*	74.000		
27500.000		*	*	*	*	74.000		
Average								

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Note:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Ac	cess Point/S	Sensor					
Test Item	: Ha	Harmonic Radiated Emission Data						
Test Site	: No	.3 OATS						
Test Mode	: Mo	ode 2: Trans	mitter (802.11n	-20BW 21.7Mbps	s) (Internal Antenna)	(5580MHz)		
Frequency	Co	orrect	Reading	Measuremen	nt Margin	Limit		
	F	actor	Level	Level				
MHz		Db	dBμV	$dB\mu V/m$	Db	dBµV/m		
Horizontal								
Peak Detector:								
11160.000	14	4.734	30.473	45.207	-28.793	74.000		
16800.000		*	*	*	*	74.000		
22400.000		*	*	*	*	74.000		
28000.000		*	*	*	*	74.000		
Average								
Detector:								
Vertical								
Peak Detector:								
11160.000	14	4.734	30.683	45.417	-28.583	74.000		
16800.000		*	*	*	*	74.000		
22400.000		*	*	*	*	74.000		
28000.000		*	*	*	*	74.000		
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/	Sensor					
Test Item	:	Harmonic Ra	Harmonic Radiated Emission Data					
Test Site	:	No.3 OATS						
Test Mode	:	Mode 2: Tran	smitter (802.11n-2	20BW 21.7Mbps) (Int	ternal Antenna) (:	5700MHz)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector	:							
11400.000		14.869	31.876	46.745	-27.255	74.000		
17100.000		*	*	*	*	74.000		
22800.000		*	*	*	*	74.000		
28500.000		*	*	*	*	74.000		
Average								
Detector:								
Vertical								
Peak Detector	:							
11400.000		14.869	31.156	46.025	-27.975	74.000		
17100.000		*	*	*	*	74.000		
22800.000		*	*	*	*	74.000		
28500.000		*	*	*	*	74.000		
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Po	int/Sensor					
Test Item	: Harmonic	: Harmonic Radiated Emission Data					
Test Site	: No.3 OAT	S					
Test Mode	: Mode 3: T	ransmitter (802.11	In-40BW 45Mbps) (In	nternal Antenna)	(5270MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m		
Horizontal							
Peak Detector:							
10540.000	14.177	31.393	45.570	-28.430	74.000		
15810.000	*	*	*	*	74.000		
21080.000	*	*	*	*	74.000		
26350.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
10540.000	14.177	31.677	45.854	-28.146	74.000		
15810.000	*	*	*	*	74.000		
21080.000	*	*	*	*	74.000		
26350.000	*	*	*	*	74.000		
Average Detector:							
Detector							

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) (5310MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
10620.000	14.179	30.735	44.914	-29.086	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
10620.000	13.879	31.000	44.879	-29.121	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) (5510MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11020.000	14.573	31.354	45.927	-28.073	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11020.000	14.573	30.704	45.277	-28.723	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) (5550MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11100.000	14.516	30.842	45.358	-28.642	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11100.000	14.516	30.567	45.083	-28.917	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

74.000

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) (5670MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11340.000	14.900	30.566	45.466	-28.534	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11340.000	14.900	30.693	45.593	-28.407	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000

28350.000
Average

Detector:

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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.

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- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.

*

4. Measurement Level = Reading Level + Correction Factor.

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- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access]	Point/Sensor						
Test Item	: Harmon	ic Radiated Emiss	sion Data					
Test Site	: No.3 OATS							
Test Mode	ode : Mode 4: Transmit (802.11ac-20BW-21.7Mbps) (Internal Antenna) (5720MHz							
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal								
Peak Detector:								
11440.000	14.777	31.230	46.214	-27.786	74.000			
17160.000	*	*	*	*	74.000			
22880.000	*	*	*	*	74.000			
28600.000	*	*	*	*	74.000			
34320.000	*	*	*	*	74.000			
40040.000	*	*	*	*	74.000			
Average								
Detector:								
 Vertical								
Peak Detector:								
11440.000	15.026	31.325	46.351	-27.649	74.000			
17160.000	*	*	*	*	74.000			
22880.000	*	*	*	*	74.000			
28600.000	*	*	*	*	74.000			
34320.000	*	*	*	*	74.000			
40040.000	*	*	*	*	74.000			
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

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Product	: Access	Point/Sensor			
Test Item	: Harmon	ic Radiated Emiss	sion Data		
Test Site	: No.3 O	ATS			
Test Mode	: Mode 5	: Transmit (802.11	ac-40BW-45Mbps) (Internal Antenna)) (5710MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11420.000	14.777	31.230	46.008	-27.992	74.000
17130.000	*	*	*	*	74.000
22840.000	*	*	*	*	74.000
28550.000	*	*	*	*	74.000
34260.000	*	*	*	*	74.000
39970.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11420.000	14.777	31.612	46.390	-27.610	74.000
17130.000	*	*	*	*	74.000
22840.000	*	*	*	*	74.000
28550.000	*	*	*	*	74.000
34260.000	*	*	*	*	74.000
39970.000	*	*	*	*	74.000
Average					
Detector:					

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item	: Harmon	Point/Sensor ic Radiated Emiss	sion Data					
Test Site	 No.3 OATS Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) (5290MHz) 							
Test Mode	: Mode 6:	Transmit (802.11	ac-80BW-97.5Mbps)	(Internal Antenn	ia) (5290MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal								
Peak Detector:								
10580.000	14.176	36.950	51.126	-22.874	74.000			
15870.000	*	*	*	*	74.000			
21160.000	*	*	*	*	74.000			
26450.000	*	*	*	*	74.000			
31740.000	*	*	*	*	74.000			
37030.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10580.000	14.176	35.950	50.126	-23.874	74.000			
15870.000	*	*	*	*	74.000			
21160.000	*	*	*	*	74.000			
26450.000	*	*	*	*	74.000			
31740.000	*	*	*	*	74.000			
37030.000	*	*	*	*	74.000			
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item Test Site Test Mode	: Harmon : No.3 OA		sion Data ac-80BW-97.5Mbps)	(Internal Antenn	a) (5530MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m
Horizontal					
Peak Detector:					
11060.000	14.232	35.820	50.051	-23.949	74.000
16590.000	*	*	*	*	74.000
22120.000	*	*	*	*	74.000
27650.000	*	*	*	*	74.000
33180.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11060.000	14.232	35.820	50.051	-23.949	74.000
16590.000	*	*	*	*	74.000
22120.000	*	*	*	*	74.000
27650.000	*	*	*	*	74.000
33180.000	*	*	*	*	74.000
38710.000	*	*	*	*	74.000
Average					

Average Detector:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) (5690MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector:					
11380.000	14.868	37.920	52.787	-21.213	74.000
17070.000	*	*	*	*	74.000
22760.000	*	*	*	*	74.000
28450.000	*	*	*	*	74.000
34140.000	*	*	*	*	74.000
39830.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11380.000	14.868	35.970	50.837	-23.163	74.000
17070.000	*	*	*	*	74.000
22760.000	*	*	*	*	74.000
28450.000	*	*	*	*	74.000
34140.000	*	*	*	*	74.000
39830.000	*	*	*	*	74.000
Average					

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor						
Test Item	: General Radiated Emission						
Test Site	: No.3 OATS						
Test Mode	: Mode 1:	: Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) (5300MHz)					
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector							
54.250	-8.832	37.841	29.009	-10.991	40.000		
192.960	-6.954	38.614	31.660	-11.840	43.500		
407.330	-7.761	39.892	32.131	-13.869	46.000		
515.970	-1.754	38.037	36.283	-9.717	46.000		
664.380	-2.628	37.584	34.956	-11.044	46.000		
768.170	0.662	37.262	37.924	-8.076	46.000		
Vertical							
Peak Detector							
167.740	-4.397	38.612	34.215	-9.285	43.500		
246.310	-7.457	38.628	31.171	-14.829	46.000		
281.230	-7.266	42.818	35.552	-10.448	46.000		
431.580	-7.349	43.777	36.428	-9.572	46.000		
522.760	-1.489	38.511	37.022	-8.978	46.000		
772.050	0.647	36.951	37.598	-8.402	46.000		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	 Access Point/Sensor General Radiated Emission No.3 OATS Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) (5580MHz) 					
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	Db	dBµV	dBµV/m	Db	dBµV/m	
Horizontal						
Peak Detector						
162.890	-3.994	38.798	34.804	-8.696	43.500	
264.740	-6.601	39.102	32.501	-13.499	46.000	
480.080	-4.574	38.559	33.985	-12.015	46.000	
662.440	-2.358	38.293	35.935	-10.065	46.000	
772.050	0.647	37.127	37.774	-8.226	46.000	
977.690	8.098	37.510	45.608	-8.392	54.000	
Vertical Peak Detector						
158.040	-3.870	38.349	34.479	-9.021	43.500	
520.820	-1.393	39.165	37.772	-8.228	46.000	
546.040	-1.513	36.731	35.218	-10.782	46.000	
649.830	-0.343	36.503	36.160	-9.840	46.000	
798.240	1.052	35.524	36.576	-9.424	46.000	
968.960	6.632	37.514	44.146	-9.854	54.000	

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: : :	No.3 OATS	adiated Emission	20BW 21.7Mbps) (I	nternal Antenna)	(5300MHz)
Frequency		Correct	Reading	Measurement	Margin	Limit
		Factor	Level	Level		
MHz		Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal						
Peak Detector						
53.280		-8.287	38.231	29.944	-10.056	40.000
177.440		-5.210	38.515	33.305	-10.195	43.500
550.890		-0.970	38.301	37.331	-8.669	46.000
648.860		-0.171	37.860	37.689	-8.311	46.000
861.290		1.432	36.522	37.954	-8.046	46.000
996.120		8.117	39.243	47.360	-6.640	54.000
Vertical						
Peak Detector						
142.520		-4.455	38.758	34.303	-9.197	43.500
521.790		-1.441	38.313	36.872	-9.128	46.000
570.290		1.010	37.395	38.405	-7.595	46.000
752.650		0.669	38.905	39.574	-6.426	46.000
858.380		1.296	37.357	38.653	-7.347	46.000
988.360		8.276	37.764	46.040	-7.960	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	 Access Point/Sensor General Radiated Emission No.3 OATS Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) (5580MHz) 						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector							
384.050	-7.425	38.602	31.177	-14.823	46.000		
555.740	-0.464	35.821	35.357	-10.643	46.000		
639.160	1.479	37.426	38.905	-7.095	46.000		
732.280	-0.145	37.364	37.219	-8.781	46.000		
809.880	1.378	35.887	37.265	-8.735	46.000		
989.330	8.264	38.411	46.675	-7.325	54.000		
Vertical							
Peak Detector							
52.310	-7.723	37.158	29.435	-10.565	40.000		
190.050	-6.645	38.104	31.459	-12.041	43.500		
511.120	-2.373	37.879	35.506	-10.494	46.000		
640.130	1.424	37.216	38.640	-7.360	46.000		
796.300	1.032	38.115	39.147	-6.853	46.000		
978.660	8.255	39.236	47.491	-6.509	54.000		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item	 Access Point/Sensor General Radiated Emission 							
Test Site	: No.3 OATS							
Test Mode	: Mode 3:	Transmitter (802	.11n-40BW 45Mbps)	(Internal Antenn	a) (5270MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal								
Peak Detector								
169.680	-4.563	40.891	36.328	-7.172	43.500			
314.210	-8.827	46.739	37.912	-8.088	46.000			
521.790	-1.441	39.040	37.599	-8.401	46.000			
634.310	1.593	38.222	39.815	-6.185	46.000			
780.780	0.655	36.552	37.207	-8.793	46.000			
901.060	4.405	34.775	39.180	-6.820	46.000			
984.480	8.366	38.557	46.923	-7.077	54.000			
Vertical								
Peak Detector								
181.320	-5.611	38.050	32.439	-11.061	43.500			
397.630	-7.635	42.624	34.989	-11.011	46.000			
580.960	1.622	37.738	39.360	-6.640	46.000			
642.070	1.076	36.471	37.547	-8.453	46.000			
851.590	1.444	38.446	39.890	-6.110	46.000			
996.120	8.117	38.640	46.757	-7.243	54.000			

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: General : No.3 O		n .11n-40BW 45Mbps)	(Internal Antenn	a) (5550MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector					
174.530	-4.932	38.200	33.268	-10.232	43.500
376.290	-7.509	46.069	38.560	-7.440	46.000
537.310	-2.148	38.399	36.251	-9.749	46.000
625.580	1.817	35.756	37.573	-8.427	46.000
839.950	1.525	37.443	38.968	-7.032	46.000
1000.000	8.037	37.346	45.383	-8.617	54.000
Vertical					
Peak Detector					
517.910	-1.560	38.260	36.700	-9.300	46.000
645.950	0.366	37.330	37.696	-8.304	46.000
755.560	0.667	37.400	38.067	-7.933	46.000
836.070	1.620	35.850	37.470	-8.530	46.000
923.370	4.609	33.971	38.580	-7.420	46.000
967.990	6.476	36.906	43.382	-10.618	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site		Point/Sensor Radiated Emissio	n		
Test Mode			ac-20BW-21.7Mbps)	(Internal Antenn	aa) (5720MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	$dB\mu V/m$	Db	$dB\mu V/m$
Horizontal					
Peak Detector					
166.770	-4.324	38.485	34.161	-9.339	43.500
546.040	-1.513	37.667	36.154	-9.846	46.000
643.040	0.904	37.691	38.595	-7.405	46.000
746.830	0.501	37.313	37.814	-8.186	46.000
845.770	1.510	37.555	39.065	-6.935	46.000
992.240	8.207	38.496	46.703	-7.297	54.000
Vertical					
Peak Detector					
45.520	-3.529	36.318	32.789	-7.211	40.000
157.070	-3.927	37.714	33.787	-9.713	43.500
515.970	-1.754	38.956	37.202	-8.798	46.000
721.610	-0.766	39.338	38.572	-7.428	46.000
802.120	1.092	37.312	38.404	-7.596	46.000
985.450	8.344	38.539	46.883	-7.117	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	 Access Point/Sensor General Radiated Emission No.3 OATS Mode 5: Transmit (802.11ac-40BW-45Mbps) (Internal Antenna) (5710MHz) 						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector							
152.220	-4.128	38.629	34.501	-8.999	43.500		
519.850	-1.376	38.666	37.290	-8.710	46.000		
566.410	0.657	37.004	37.661	-8.339	46.000		
778.840	0.627	35.715	36.342	-9.658	46.000		
874.870	2.836	36.657	39.493	-6.507	46.000		
996.120	8.117	37.688	45.805	-8.195	54.000		
Vertical							
Peak Detector	4 207		22.205	11.005	12 500		
167.740	-4.397	36.692	32.295	-11.205	43.500		
534.400	-2.049	37.963	35.914	-10.086	46.000		
660.500	-2.097	38.025	35.928	-10.072	46.000		
720.640	-0.831	37.833	37.002	-8.998	46.000		
846.740	1.504	35.968	37.472	-8.528	46.000		
986.420	8.321	38.070	46.391	-7.609	54.000		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: General : No.3 OA		n ac-80BW-97.5Mbps)	(Internal Antenn	a) (5290MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector					
184.230	-5.949	38.795	32.846	-10.654	43.500
549.920	-1.061	38.261	37.200	-8.800	46.000
648.860	-0.171	36.085	35.914	-10.086	46.000
762.350	0.673	35.763	36.436	-9.564	46.000
857.410	1.287	36.873	38.160	-7.840	46.000
987.390	8.299	38.212	46.511	-7.489	54.000
Vertical					
Peak Detector					
157.070	-3.927	39.395	35.468	-8.032	43.500
580.960	1.622	36.699	38.321	-7.679	46.000
637.220	1.519	36.598	38.117	-7.883	46.000
802.120	1.092	35.848	36.940	-9.060	46.000
873.900	2.734	35.523	38.257	-7.743	46.000
981.570	8.433	38.540	46.973	-7.027	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: General : No.3 O		n ac-80BW-97.5Mbps)	(Internal Antenn	a) (5690MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector					
174.530	-4.932	37.853	32.921	-10.579	43.500
515.000	-1.863	38.954	37.091	-8.909	46.000
737.130	0.073	38.319	38.392	-7.608	46.000
806.000	1.229	37.123	38.352	-7.648	46.000
843.830	1.512	35.810	37.322	-8.678	46.000
993.210	8.184	37.788	45.972	-8.028	54.000
Vertical					
Peak Detector					
158.040	-3.870	38.694	34.824	-8.676	43.500
546.040	-1.513	37.647	36.134	-9.866	46.000
649.830	-0.343	36.600	36.257	-9.743	46.000
761.380	0.671	36.002	36.673	-9.327	46.000
854.500	1.347	37.144	38.491	-7.509	46.000
975.750	7.776	39.033	46.809	-7.191	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.



Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	: No.3 OATS							
Test Mode	: Mode 1:	Transmitter (802	.11a-6Mbps) (Externa	al Antenna) (5260)MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal								
Peak Detector:								
10520.000	10.660	41.790	52.450	-21.550	74.000			
15780.000	*	*	*	*	74.000			
21040.000	*	*	*	*	74.000			
26300.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10520.000	10.660	42.190	52.850	-21.150	74.000			
15780.000	*	*	*	*	74.000			
21040.000	*	*	*	*	74.000			
26300.000	*	*	*	*	74.000			
Average								
Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.



Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	 No.3 OATS Mode 1: Transmitter (802.11a-6Mbps) (External Antenna) (5300MHz) 							
Test Mode								
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal								
Peak Detector:								
10600.000	10.760	41.540	52.300	-21.700	74.000			
15900.000	*	*	*	*	74.000			
21200.000	*	*	*	*	74.000			
26500.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10600.000	10.760	42.300	53.060	-20.940	74.000			
15900.000	*	*	*	*	74.000			
21200.000	*	*	*	*	74.000			
26500.000	*	*	*	*	74.000			
Average								
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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	: No.3 OATS							
Test Mode	: Mode 1:	Transmitter (802	.11a-6Mbps) (Externa	al Antenna) (5320)MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal								
Peak Detector:								
10640.000	10.763	41.560	52.323	-21.677	74.000			
15960.000	*	*	*	*	74.000			
21280.000	*	*	*	*	74.000			
26600.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10640.000	10.763	41.600	52.363	-21.637	74.000			
15960.000	*	*	*	*	74.000			
21280.000	*	*	*	*	74.000			
26600.000	*	*	*	*	74.000			
Average								

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	Test Site : No.3 OATS							
Test Mode	: Mode 1:	: Mode 1: Transmitter (802.11a-6Mbps) (External Antenna) (5500MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal								
Peak Detector:								
11000.000	11.425	41.480	52.905	-21.095	74.000			
16500.000	*	*	*	*	74.000			
22000.000	*	*	*	*	74.000			
27500.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
11000.000	11.425	41.520	52.945	-21.055	74.000			
16500.000	*	*	*	*	74.000			
22000.000	*	*	*	*	74.000			
27500.000	*	*	*	*	74.000			
Average								

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.



Product	Access Point/Sensor						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 1: Transmitter (802.11a-6Mbps) (External Antenna) (5580MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
11160.000	11.538	41.700	53.238	-20.762	74.000		
16740.000	*	*	*	*	74.000		
22320.000	*	*	*	*	74.000		
27900.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11160.000	11.538	42.100	53.638	-20.362	74.000		
16740.000	*	*	*	*	74.000		
22320.000	*	*	*	*	74.000		
27900.000	*	*	*	*	74.000		
Average							

- **Detector:**
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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 1: Transmitter (802.11a-6Mbps) (External Antenna) (5700MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m		
Horizontal							
Peak Detector:							
11400.000	11.531	41.690	53.221	-20.779	74.000		
17100.000	*	*	*	*	74.000		
22800.000	*	*	*	*	74.000		
28500.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11400.000	11.531	42.330	53.861	-20.139	74.000		
17100.000	*	*	*	*	74.000		
22800.000	*	*	*	*	74.000		
28500.000	*	*	*	*	74.000		

Average

Detector:

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access P	Access Point/Sensor							
Test Item	: Harmoni	Harmonic Radiated Emission Data							
Test Site	: No.3 OA	No.3 OATS							
Test Mode	: Mode 2:	Transmitter (802.11)	n-20BW 21.7Mbps) (External Antenna)	(5260MHz)				
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	Db	dBµV	dBµV/m	Db	dBµV/m				
Horizontal									
Peak Detector:									
10520.000	10.660	41.880	52.540	-21.460	74.000				
15780.000	*	*	*	*	74.000				
21040.000	*	*	*	*	74.000				
26300.000	*	*	*	*	74.000				
Average									
Detector:									
Vertical									
Peak Detector:									
10520.000	10.660	42.060	52.720	-21.280	74.000				
15780.000	*	*	*	*	74.000				
21040.000	*	*	*	*	74.000				
26300.000	*	*	*	*	74.000				
Average									
Detector:									

Note:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor							
Test Item	:	Harmonic Radiated Emission Data							
Test Site	:	No.3 OATS	No.3 OATS						
Test Mode	:	Mode 2: Tran	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna) (5300MHz)						
Frequency		Correct	Reading	Measurement	Margin	Limit			
		Factor	Level	Level					
MHz		Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal									
Peak Detector:	:								
10600.000		10.760	41.420	52.180	-21.820	74.000			
15900.000		*	*	*	*	74.000			
21200.000		*	*	*	*	74.000			
26500.000		*	*	*	*	74.000			
Average									
Detector:									
Vertical									
Peak Detector:	:								
10600.000		10.760	42.430	53.190	-20.810	74.000			
15900.000		*	*	*	*	74.000			
21200.000		*	*	*	*	74.000			
26500.000		*	*	*	*	74.000			
Average									
Detector:									

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Test Item Test Site	Harmonic Rad No.3 OATS	Access Point/Sensor Harmonic Radiated Emission Data No.3 OATS Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna) (5320MHz)						
Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit			
MHz	Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal								
Peak Detector:								
10640.000	10.763	41.730	52.493	-21.507	74.000			
15960.000	*	*	*	*	74.000			
21280.000	*	*	*	*	74.000			
26600.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
10640.000	10.763	42.180	52.943	-21.057	74.000			
15960.000	*	*	*	*	74.000			
21280.000	*	*	*	*	74.000			
26600.000	*	*	*	*	74.000			
Average Detector:								

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product:Test Item:Test Site:Test Mode:	Harmonic Rad	iated Emission Da	ata 0BW 21.7Mbps) (Ext	ernal Antenna) (5	5500MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level	-	
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m
Horizontal					
Peak Detector:					
11000.000	11.425	41.890	53.315	-20.685	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11000.000	11.425	41.180	52.605	-21.395	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					

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Note:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/	Access Point/Sensor							
Test Item	: Harmonic Rad	Harmonic Radiated Emission Data							
Test Site	: No.3 OATS	No.3 OATS							
Test Mode	: Mode 2: Trans	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna) (5580MHz)							
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	Db	dBµV	$dB\mu V/m$	Db	dBµV/m				
Horizontal									
Peak Detector:									
11160.000	11.538	41.360	52.898	-21.102	74.000				
16740.000	*	*	*	*	74.000				
22320.000	*	*	*	*	74.000				
27900.000	*	*	*	*	74.000				
Average									
Detector:									
Vertical									
Peak Detector:									
11160.000	11.538	42.330	53.868	-20.132	74.000				
16740.000	*	*	*	*	74.000				
22320.000	*	*	*	*	74.000				
27900.000	*	*	*	*	74.000				
Average									
Detector:									

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	:	Access Point/Sensor							
Test Item	:	Harmonic Radiated Emission Data							
Test Site	:	No.3 OATS							
Test Mode	:	Mode 2: Tran	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna) (5700MHz)						
Frequency		Correct	Reading	Measurement	Margin	Limit			
		Factor	Level	Level					
MHz		Db	dBµV	$dB\mu V/m$	Db	dBµV/m			
Horizontal									
Peak Detector	:								
11400.000		11.531	41.500	53.031	-20.969	74.000			
17100.000		*	*	*	*	74.000			
22800.000		*	*	*	*	74.000			
28500.000		*	*	*	*	74.000			
Average									
Detector:									
Vertical									
Peak Detector	:								
11400.000		11.531	41.040	52.571	-21.429	74.000			
17100.000		*	*	*	*	74.000			
22800.000		*	*	*	*	74.000			
28500.000		*	*	*	*	74.000			
Average									
Detector:									

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item Test Site Test Mode	: : :	Access Point/Sensor Harmonic Radiated Emission Data No.3 OATS Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna) (5270MHz)							
Frequency		Correct]	Reading		Measurement	;	Margin	Limit
		Factor		Level		Level			
MHz		Db		dBµV		$dB\mu V/m$		Db	dBµV/m
Horizontal									
Peak Detector:									
10540.000		10.709		41.790		52.498		-21.502	74.000
15810.000		*		*		*		*	74.000
21080.000		*		*		*		*	74.000
26350.000		*		*		*		*	74.000
Average Detector:									
Vertical									
Peak Detector:									
10540.000		10.709		44.250		54.958		-19.042	74.000
15810.000		*		*		*		*	74.000
21080.000		*		*		*		*	74.000
26350.000		*		*		*		*	74.000
Average Detector:									
10540.000		10.709		30.500		41.208		-12.792	54.000

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item Test Site Test Mode	 Access Point/Sensor Harmonic Radiated Emission Data No.3 OATS Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna) (5310MHz) 						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
10620.000	10.778	41.390	52.167	-21.833	74.000		
15930.000	*	*	*	*	74.000		
21240.000	*	*	*	*	74.000		
26550.000	*	*	*	*	74.000		
Average Detector:							
Vertical							
Peak Detector:							
10620.000	10.778	41.430	52.207	-21.793	74.000		
15930.000	*	*	*	*	74.000		
21240.000	*	*	*	*	74.000		
26550.000	*	*	*	*	74.000		
Average Detector:							

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

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Product Test Item Test Site Test Mode	 Access Point/Sensor Harmonic Radiated Emission Data No.3 OATS Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna) (5510MHz) 						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level	C			
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
11020.000	11.459	41.610	53.069	-20.931	74.000		
16530.000	*	*	*	*	74.000		
22040.000	*	*	*	*	74.000		
27550.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11020.000	11.459	41.870	53.329	-20.671	74.000		
16530.000	*	*	*	*	74.000		
22040.000	*	*	*	*	74.000		
27550.000	*	*	*	*	74.000		
Average							
Detector:							

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product	: Access Point/Sensor							
Test Item	: Harmonic Radiated Emission Data							
Test Site	: No.3 OATS							
Test Mode	: Mode 3: Tr	: Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna) (5550MHz)						
Frequency	Correct	Correct Reading Measurement Margin Limit						
	Factor	Level	Level					
MHz	Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal								
Peak Detector:								
11100.000	11.355	41.810	53.164	-20.836	74.000			
16650.000	*	*	*	*	74.000			
22200.000	*	*	*	*	74.000			
27750.000	*	*	*	*	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
11100.000	11.355	41.700	53.054	-20.946	74.000			
16650.000	*	*	*	*	74.000			
22200.000	*	*	*	*	74.000			
27750.000	*	*	*	*	74.000			
Average								
Detector:								

Note:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product Test Item Test Site Test Mode	: Harmonic : No.3 OAT		Data n-40BW 45Mbps) (Ez	xternal Antenna)	(5670MHz)
Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal Peak Detector:					
11340.000	11.598	41.770	53.368	-20.632	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000 Average Detector:	*	*	*	*	74.000
Vertical Peak Detector:					
11340.000	11.598	41.600	53.198	-20.802	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000 Average	*	*	*	*	74.000

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

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Product	:	Access Poir	t/Sensor				
Test Item	:	Harmonic Radiated Emission Data					
Test Site	:	No.3 OATS					
Test Mode	:	Mode 4: Transmit (802.11ac-20BW-21.7Mbps) (External Antenna) (5720MHz)					
Frequency		Correct	Reading	Measurement	Margin	Limit	
1		Factor	Level	Level	6		
MHz		Db	dBµV	dBµV/m	Db	dBµV/m	
Horizontal			·	·		·	
Peak Detector:							
11440.000		11.665	44.600	56.265	-17.735	74.000	
17160.000		*	*	*	*	74.000	
22880.000		*	*	*	*	74.000	
28600.000		*	*	*	*	74.000	
34320.000		*	*	*	*	74.000	
40040.000		*	*	*	*	74.000	
Average							
Detector:							
11440.000		11.665	30.300	41.965	-12.035	54.000	
Vertical							
Peak Detector:							
11440.000		11.665	43.430	55.095	-18.905	74.000	
17160.000		*	*	*	*	74.000	
22880.000		*	*	*	*	74.000	
28600.000		*	*	*	*	74.000	
34320.000		*	*	*	*	74.000	
40040.000		*	*	*	*	74.000	
Average							
Detector:							
11440.000		11.665	30.200	41.865	-12.135	54.000	

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

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Product	: Access Point/Sensor						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 5: T	ransmit (802.11ac	e-40BW-45Mbps) (Ex	ternal Antenna) (5710MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
riequency	Factor	Level	Level	wiargin	LIIIIIt		
				DI			
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
11420.000	11.428	42.000	53.428	-20.572	74.000		
17130.000	*	*	*	*	74.000		
22840.000	*	*	*	*	74.000		
28550.000	*	*	*	*	74.000		
34260.000	*	*	*	*	74.000		
39970.000	*	*	*	*	74.000		
Average							
Detector:							
 Vertical							
Peak Detector:							
11420.000	11.428	41.540	52.968	-21.032	74.000		
17130.000	*	*	*	*	74.000		
22840.000	*	*	*	*	74.000		
28550.000	*	*	*	*	74.000		
34260.000	*	*	*	*	74.000		
39970.000	*	*	*	*	74.000		
Average							
Detector:							

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product :	Access Point/	Sensor					
Test Item :	Harmonic Rad	Harmonic Radiated Emission Data					
Test Site :	No.3 OATS						
Test Mode :	Mode 6: Trans	smit (802.11ac-80	BW-97.5Mbps) (Exte	ernal Antenna) (5	290MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level	C			
MHz	Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal							
Peak Detector:							
10580.000	10.742	41.510	52.252	-21.748	74.000		
15870.000	*	*	*	*	74.000		
21160.000	*	*	*	*	74.000		
26450.000	*	*	*	*	74.000		
31740.000	*	*	*	*	74.000		
37030.000	*	*	*	*	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
10580.000	10.742	41.500	52.242	-21.758	74.000		
15870.000	*	*	*	*	74.000		
21160.000	*	*	*	*	74.000		
26450.000	*	*	*	*	74.000		
31740.000	*	*	*	*	74.000		
37030.000	*	*	*	*	74.000		
Average							
Detector:							

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

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Product	:	Access Point/	Sensor						
Test Item	:	Harmonic Radiated Emission Data							
Test Site	:	No.3 OATS	No.3 OATS						
Test Mode	:	Mode 6: Tran	smit (802.11ac-80	BW-97.5Mbps) (Exte	ernal Antenna) (5	530MHz)			
Frequency		Correct	Reading	Measurement	Margin	Limit			
		Factor	Level	Level					
MHz		Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal									
Peak Detector	:								
11060.000		11.094	41.390	52.483	-21.517	74.000			
16590.000		*	*	*	*	74.000			
22120.000		*	*	*	*	74.000			
27650.000		*	*	*	*	74.000			
33180.000		*	*	*	*	74.000			
38710.000		*	*	*	*	74.000			
Average									
Detector:									
Vertical									
Peak Detector	:								
11060.000		11.094	41.250	52.343	-21.657	74.000			
16590.000		*	*	*	*	74.000			
22120.000		*	*	*	*	74.000			
27650.000		*	*	*	*	74.000			
33180.000		*	*	*	*	74.000			
38710.000		*	*	*	*	74.000			
Average									
Detector:									

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

-

Product	:	Access Point/	Sensor					
Test Item	:	Harmonic Radiated Emission Data						
Test Site	÷	No.3 OATS						
Test Mode	•	Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna) (5690MHz)						
Test Widde	•		5111t (002.11te 00		()	0)01112)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector	:							
11380.000		11.542	41.430	52.972	-21.028	74.000		
17070.000		*	*	*	*	74.000		
22760.000		*	*	*	*	74.000		
28450.000		*	*	*	*	74.000		
34140.000		*	*	*	*	74.000		
39830.000		*	*	*	*	74.000		
Average								
Detector:								
Vertical								
Peak Detector	:							
11380.000		11.542	41.200	52.742	-21.258	74.000		
17070.000		*	*	*	*	74.000		
22760.000		*	*	*	*	74.000		
28450.000		*	*	*	*	74.000		
34140.000		*	*	*	*	74.000		
39830.000		*	*	*	*	74.000		
Average								
Detector:								

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

ielek

company

Product	:	Access Poir	nt/Sensor			
Test Item	:	General Rad	liated Emission			
Test Site	:	No.3 OATS				
Test Mode	:	Mode 1: Tra	ansmitter (802.11a-	6Mbps) (External An	tenna) (5300MH	z)
Frequency		Correct	Reading	Measurement	Margin	Limit
		Factor	Level	Level		
MHz		Db	dBµV	dBµV/m	Db	$dB\mu V/m$
Horizontal						
Peak Detector						
163.860		-9.989	47.170	37.181	-6.319	43.500
307.420		-4.120	43.612	39.492	-6.508	46.000
431.580		0.757	40.626	41.383	-4.617	46.000
546.040		4.386	36.993	41.379	-4.621	46.000
734.220		3.155	36.389	39.545	-6.455	46.000
883.600		6.601	33.709	40.310	-5.690	46.000
Vertical						
Peak Detector						
181.320		-1.910	40.934	39.024	-4.476	43.500
361.740		-0.646	40.955	40.308	-5.692	46.000
540.220		2.169	39.266	41.435	-4.565	46.000
674.080		0.003	40.686	40.689	-5.311	46.000
817.640		2.966	37.532	40.498	-5.502	46.000
968.960		3.936	40.386	44.322	-9.678	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Access Poi	nt/Sensor			
Test Item	:	General Ra	adiated Emission			
Test Site	:	No.3 OATS	S			
Test Mode	:	Mode 1: Tr	ransmitter (802.11a-	6Mbps) (External Ai	ntenna) (5580MH	z)
Frequency		Correct	Reading	Measurement	Margin	Limit
		Factor	Level	Level		
MHz		Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal						
Peak Detector						
165.800		-9.915	46.888	36.973	-6.527	43.500
402.480		0.915	39.740	40.655	-5.345	46.000
524.700		3.140	35.951	39.091	-6.909	46.000
666.320		1.879	38.090	39.969	-6.031	46.000
798.240		6.409	32.215	38.623	-7.377	46.000
941.800		6.790	32.307	39.097	-6.903	46.000
Vertical						
Peak Detector						
179.380		-0.824	39.005	38.181	-5.319	43.500
319.060		-4.135	43.777	39.642	-6.358	46.000
456.800		-3.328	43.887	40.559	-5.441	46.000
615.880		1.473	37.925	39.398	-6.602	46.000
780.780		2.769	38.550	41.319	-4.681	46.000
922.400		3.200	37.216	40.416	-5.584	46.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Access Poi	nt/Sensor					
Test Item	:	General Radiated Emission						
Test Site	:	No.3 OATS						
Test Mode	:	Mode 2: Tr	ransmitter (802.11n-2	20BW 21.7Mbps) (E	External Antenna)	(5300MHz)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector								
167.740		-9.816	47.885	38.069	-5.431	43.500		
359.800		-0.226	40.159	39.933	-6.067	46.000		
513.060		3.186	37.397	40.583	-5.417	46.000		
662.440		1.882	37.581	39.463	-6.537	46.000		
798.240		6.409	33.809	40.217	-5.783	46.000		
947.620		6.971	34.627	41.598	-4.402	46.000		
Vertical								
Peak Detector								
175.500		-1.842	41.272	39.430	-4.070	43.500		
385.020		-0.441	39.331	38.890	-7.110	46.000		
544.100		1.503	39.323	40.826	-5.174	46.000		
683.780		2.011	37.485	39.496	-6.504	46.000		
802.120		2.966	36.724	39.690	-6.310	46.000		
935.980		2.820	36.558	39.378	-6.622	46.000		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: : :	General R No.3 OAT		n-20BW 21.7Mbps) (External Antenna)	(5580MHz)
Frequency		Correct	Reading	Measurement	Margin	Limit
		Factor	Level	Level		
MHz		Db	dBμV	$dB\mu V/m$	Db	dBµV/m
Horizontal						
Peak Detector						
132.820		-7.442	44.019	36.577	-6.923	43.500
266.680		-5.510	45.702	40.192	-5.808	46.000
394.720		0.683	39.128	39.811	-6.189	46.000
540.220		3.499	37.749	41.248	-4.752	46.000
712.880		3.792	36.000	39.792	-6.208	46.000
903.000		5.938	33.793	39.731	-6.269	46.000
Vertical						
Peak Detector						
173.560		-2.713	40.798	38.085	-5.415	43.500
346.220		-0.527	40.394	39.867	-6.133	46.000
538.280		1.996	38.151	40.147	-5.853	46.000
681.840		1.622	38.521	40.143	-5.857	46.000
844.800		2.462	38.212	40.674	-5.326	46.000
968.960		3.936	37.773	41.709	-12.291	54.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: No.3 OATS	iated Emission	-40BW 45Mbps) (Ext	ernal Antenna) (5	5270MHz)
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal					
Peak Detector					
148.340	-7.806	46.226	38.420	-5.080	43.500
392.780	0.810	38.696	39.506	-6.494	46.000
557.680	2.511	36.718	39.228	-6.772	46.000
707.060	3.066	38.482	41.548	-4.452	46.000
854.500	7.380	31.051	38.431	-7.569	46.000
984.480	8.098	32.740	40.838	-13.162	54.000
984.480	8.366	38.557	46.923	-7.077	54.000
Vertical					
Peak Detector					
196.840	-5.691	45.223	39.532	-3.968	43.500
328.760	-2.407	42.942	40.535	-5.465	46.000
462.620	-2.571	42.855	40.284	-5.716	46.000
625.580	0.299	40.004	40.304	-5.696	46.000
804.060	3.371	37.820	41.191	-4.809	46.000
941.800	3.460	35.864	39.324	-6.676	46.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Access Poi	nt/Sensor					
Test Item	:	General Radiated Emission						
Test Site	:	No.3 OATS	S					
Test Mode	:	Mode 3: Tr	ansmitter (802.11n-	40BW 45Mbps) (Ext	ternal Antenna) (S	5550MHz)		
Frequency		Correct	Reading	Measurement	Margin	Limit		
		Factor	Level	Level				
MHz		Db	dBµV	dBµV/m	Db	dBµV/m		
Horizontal								
Peak Detector								
175.500		-9.792	47.381	37.589	-5.911	43.500		
317.120		-4.599	44.914	40.314	-5.686	46.000		
460.680		4.030	36.353	40.383	-5.617	46.000		
610.060		3.657	38.025	41.682	-4.318	46.000		
755.560		5.039	34.393	39.432	-6.568	46.000		
924.340		6.589	33.657	40.246	-5.754	46.000		
Vertical								
Peak Detector								
177.440		-1.248	38.704	37.456	-6.044	43.500		
342.340		-0.936	40.649	39.713	-6.287	46.000		
470.380		-3.540	44.598	41.058	-4.942	46.000		
612.000		1.943	38.657	40.599	-5.401	46.000		
817.640		2.966	35.356	38.322	-7.678	46.000		
945.680		3.300	37.679	40.979	-5.021	46.000		

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	: Access Point/Sensor								
Test Item	:	General Ra	diated Emission						
Test Site	:	No.3 OATS	5						
Test Mode	:	Mode 4: Transmit (802.11ac-20BW-21.7Mbps) (External Antenna) (5720MHz)							
Frequency		Correct	Reading	Measurement	Margin	Limit			
		Factor	Level	Level					
MHz		Db	dBµV	dBµV/m	Db	dBµV/m			
Horizontal									
Peak Detector									
175.500		-9.792	46.948	37.156	-6.344	43.500			
313.240		-4.640	44.768	40.128	-5.872	46.000			
456.800		2.432	36.822	39.254	-6.746	46.000			
664.380		1.882	39.130	41.012	-4.988	46.000			
804.060		6.271	32.958	39.229	-6.771	46.000			
947.620		6.971	33.867	40.838	-5.162	46.000			
Vertical									
Peak Detector									
177.440		-1.248	39.280	38.032	-5.468	43.500			
255.040		-5.089	43.260	38.171	-7.829	46.000			
385.020		-0.441	40.017	39.576	-6.424	46.000			
612.000		1.943	38.631	40.573	-5.427	46.000			
796.300		2.639	36.278	38.917	-7.083	46.000			
930.160		3.830	37.634	41.464	-4.536	46.000			

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Access Point/Sensor					
Test Item	:	General Ra	diated Emission				
Test Site	:	No.3 OATS	S				
Test Mode	:	Mode 5: Tr	cansmit (802.11ac-40	BW-45Mbps) (Exte	ernal Antenna) (57	10MHz)	
Frequency		Correct	Reading	Measurement	Margin	Limit	
		Factor	Level	Level			
MHz		Db	dBµV	dBµV/m	Db	dBµV/m	
Horizontal							
Peak Detector							
191.020		-9.679	47.428	37.749	-5.751	43.500	
390.840		0.962	38.834	39.796	-6.204	46.000	
524.700		3.140	38.197	41.337	-4.663	46.000	
660.500		1.889	37.834	39.723	-6.277	46.000	
778.840		5.180	34.686	39.866	-6.134	46.000	
916.580		6.470	33.520	39.990	-6.010	46.000	
Vertical							
Peak Detector							
179.380		-0.824	38.917	38.093	-5.407	43.500	
328.760		-2.407	39.506	37.099	-8.901	46.000	
458.740		-2.562	42.242	39.680	-6.320	46.000	
639.160		-1.374	40.587	39.213	-6.787	46.000	
782.720		2.757	37.867	40.624	-5.376	46.000	
937.920		3.110	36.478	39.588	-6.412	46.000	

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:						
Test Item	:	General Ra	adiated Emission				
Test Site	:	No.3 OATS	S				
Test Mode	:	Mode 6: Tr	ransmit (802.11ac-80	BW-97.5Mbps) (Ex	ternal Antenna) (5290MHz)	
Frequency		Correct	Reading	Measurement	Margin	Limit	
		Factor	Level	Level			
MHz		Db	dBµV	dBµV/m	Db	dBµV/m	
Horizontal							
Peak Detector							
198.780		-9.958	46.874	36.916	-6.584	43.500	
377.260		1.107	39.158	40.265	-5.735	46.000	
501.420		2.019	36.152	38.171	-7.829	46.000	
650.800		1.891	38.061	39.952	-6.048	46.000	
773.020		5.145	35.476	40.621	-5.379	46.000	
937.920		6.750	33.510	40.260	-5.740	46.000	
Vertical							
Peak Detector							
179.380		-0.824	38.501	37.677	-5.823	43.500	
340.400		-1.287	42.095	40.808	-5.192	46.000	
460.680		-1.930	39.935	38.005	-7.995	46.000	
602.300		1.704	36.906	38.610	-7.390	46.000	
759.440		2.110	38.781	40.891	-5.109	46.000	
957.320		3.015	36.183	39.198	-6.802	46.000	

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

Product Test Item Test Site Test Mode	: : :	No.3 OAT	adiated Emission	9BW-97.5Mbps) (Ex	ternal Antenna) (:	5690MHz)
Frequency		Correct	Reading	Measurement	Margin	Limit
		Factor	Level	Level		
MHz		Db	dBµV	dBµV/m	Db	dBµV/m
Horizontal						
Peak Detector						
200.720		-9.846	47.265	37.419	-6.081	43.500
332.640		-3.895	44.027	40.132	-5.868	46.000
511.120		3.173	38.445	41.618	-4.382	46.000
658.560		1.892	38.011	39.903	-6.097	46.000
794.360		6.387	34.972	41.359	-4.641	46.000
949.560		7.036	33.884	40.920	-5.080	46.000
Vertical						
Peak Detector						
177.440		-1.248	40.151	38.903	-4.597	43.500
299.660		-4.061	43.435	39.374	-6.626	46.000
509.180		0.804	39.423	40.227	-5.773	46.000
660.500		-1.111	40.403	39.292	-6.708	46.000
809.880		3.026	38.275	41.301	-4.699	46.000
943.740		3.383	35.989	39.372	-6.628	46.000

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correction Factor.
- 5. Correction Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.
- 7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

6. Band Edge

6.1. Test Equipment

RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

- 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 2. The test instruments marked with "X" are used to measure the final test results.

RF Radiated Measurement:

The following test equipments are used during the band edge tests:

Test Site	e Equipment		Manufacturer	Model No./Serial No.	Last Cal.
CB # 8	Х	Spectrum Analyzer	R&S	FSP40/ 100339	Oct., 2015
	Х	Horn Antenna	ETS-Lindgren	3117/ 35205	Mar., 2015
	Х	Horn Antenna	Schwarzbeck	BBHA9170/209	Jan., 2015
	Х	Horn Antenna	TRC	AH-0801/95051	Aug., 2015
	Х	Pre-Amplifier	EMCI	EMC012630SE/980210	Jan., 2015
	Х	Pre-Amplifier	MITEQ	JS41-001040000-58-5P/153945	Jul., 2015
	Х	Pre-Amplifier	NARDA	DBL-1840N506/013	Jul., 2015

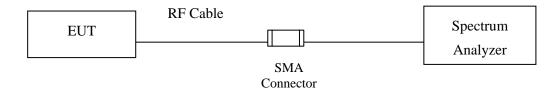
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

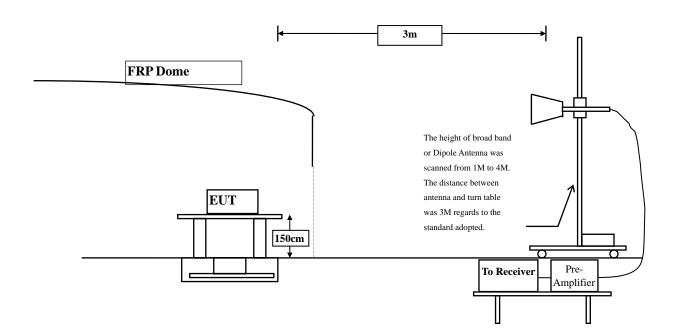
 \triangle The test instruments marked with "X" are used to measure the final test results.



6.2. Test Setup

RF Conducted Measurement:







6.3. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits								
Frequency MHz	Uv/m @3m	dBµV/m@3m						
30-88	100	40						
88-216	150	43.5						
216-960	200	46						
Above 960	500	54						

Remarks : 1. RF Voltage $(dB\mu V) = 20 \log RF$ Voltage (Uv)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The EUT was setup to ANSI C63.10: 2013; tested to NII test procedure of FCC KDB-789033 section H.)5.) and section H.)6.) for compliance to FCC 47CFR Subpart E requirements.

6.5. Uncertainty

- \pm 3.8 Db below 1GHz
- ± 3.9 Db above 1GHz



6.6. Test Result of Band Edge

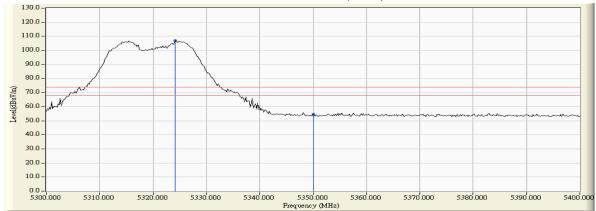
- Product : Access Point/Sensor
- Test Item : Band Edge Data
- Test Site : No.3 OATS
- Test Mode : Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) Channel 64 (5320MHz)

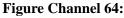
RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5324.200	3.799	103.087	106.886			Pass
64 (Peak)	5350.000	3.716	50.892	54.609	74.00	54.00	Pass
64 (Average)	5325.400	3.795	91.074	94.869			Pass
64 (Average)	5350.000	3.716	39.235	42.952	74.00	54.00	Pass

Figure Channel 64:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



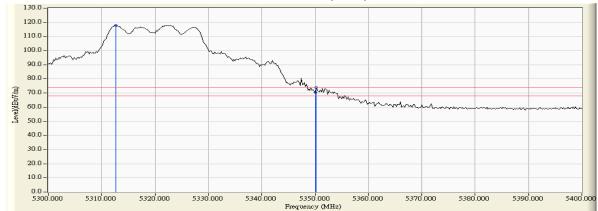
Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) –Channel 64 (5320MHz)

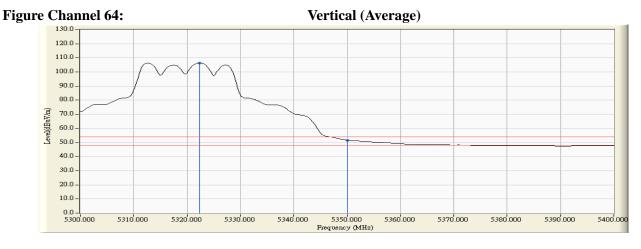
RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5312.600	5.738	112.018	117.757			Pass
64 (Peak)	5350.000	5.691	64.613	70.305	74.00	54.00	Pass
64 (Peak)	5350.200	5.691	68.071	73.762	74.00	54.00	Pass
64 (Average)	5322.400	5.726	100.737	106.463			Pass
64 (Average)	5350.000	5.691	45.939	51.631	74.00	54.00	Pass

Figure Channel 64:

Vertical (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



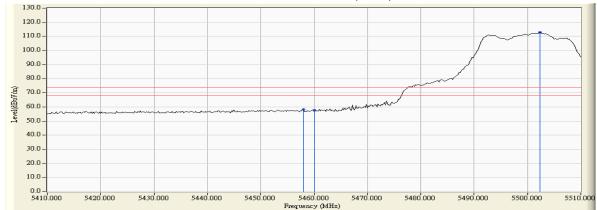
Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) –Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
100 (Peak)	5458.000	4.327	53.725	58.052	74.00	54.00	Pass
100 (Peak)	5460.000	4.354	53.263	57.617	74.00	54.00	Pass
100 (Peak)	5502.400	4.831	108.042	112.873			Pass
100 (Average)	5460.000	4.354	40.623	44.977	74.00	54.00	Pass
100 (Average)	5501.400	4.825	95.403	100.227			Pass

Figure Channel 100:

Horizontal (Peak)







- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) – Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	· ·	Correct Factor	÷	Emission Level		U U	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	Result
100 (Peak)	5460.000	6.041	66.966	73.007	74.00	54.00	Pass
100 (Peak)	5494.400	6.258	113.794	120.052			Pass
100 (Average)	5460.000	6.041	47.749	53.790	74.00	54.00	Pass
100 (Average)	5494.200	6.258	102.216	108.473			Pass

Figure Channel 100:

Vertical (Peak)

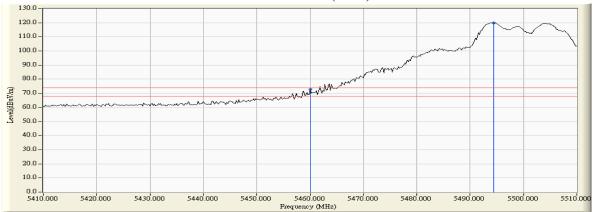
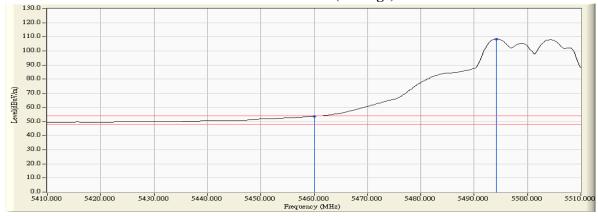


Figure Channel 100:

Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) – Channel 100

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-76.242	-57.908	-30.908	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-57.390	-38.055	-11.055	-27.000	Pass



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (Internal Antenna) – Channel 140

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	18.649	-77.257	-58.608	-31.608	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	19.372	-70.516	-51.144	-24.144	-27.000	Pass



Test Item : Band Edge Data

Test Site : No.3 OATS

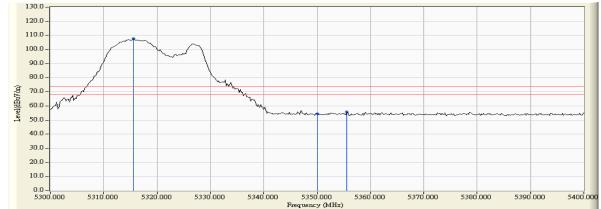
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) – Channel 64 (5320MHz)

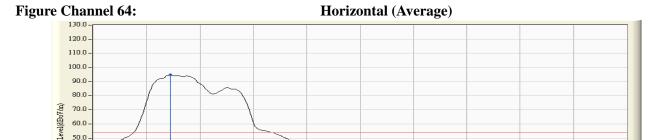
RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5315.600	3.826	103.904	107.730			Pass
64 (Peak)	5350.000	3.716	50.670	54.387	74.00	54.00	Pass
64 (Peak)	5355.600	3.699	51.983	55.681	74.00	54.00	Pass
64 (Average)	5314.400	3.831	91.052	94.882			Pass
64 (Average)	5350.000	3.716	39.116	42.833	74.00	54.00	Pass

Figure Channel 64:

60.0 -50.0 -40.0 -20.0 -10.0 -5300.000 Horizontal (Peak)





Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

5340.000

5350.000 Frequency (MHz 5360.000

5370.000

5380.000

5390.000

5400.000

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

5330.000

- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.

5320.000

5310.000

- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

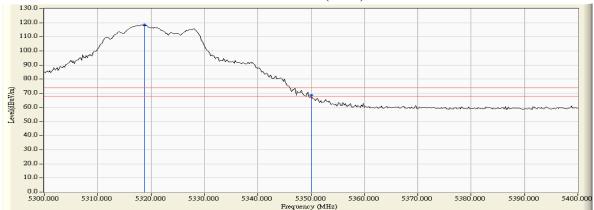
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) –Channel 64 (5320MHz)

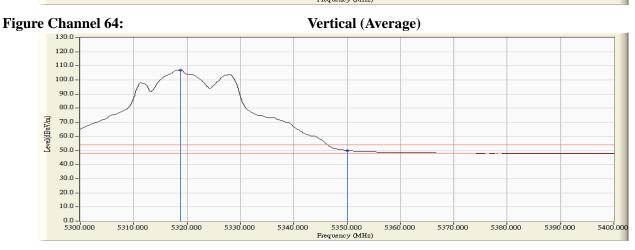
RF Radiated Measurement (Vertical):

Channel No.	1 2		U	Emission Level		U	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	(dBµV/m)	(dBµV/m)	
64 (Peak)	5318.800	5.731	112.780	118.511			Pass
64 (Peak)	5350.000	5.691	62.987	68.679	74.00	54.00	Pass
64 (Average)	5318.800	5.731	101.295	107.026			Pass
64 (Average)	5350.000	5.691	44.303	49.995	74.00	54.00	Pass

Figure Channel 64:

Vertical (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

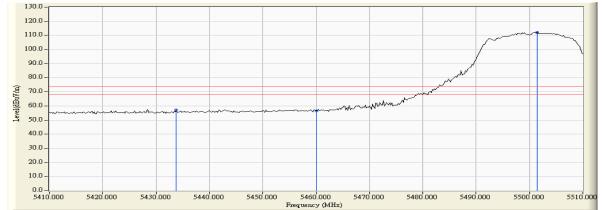
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) – Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

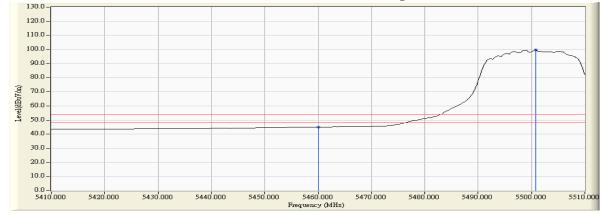
Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	Kesuit
100 (Peak)	5433.800	4.006	53.286	57.292	74.00	54.00	Pass
100 (Peak)	5460.000	4.354	51.965	56.319	74.00	54.00	Pass
100 (Peak)	5501.400	4.825	107.296	112.120			Pass
100 (Average)	5460.000	4.354	40.632	44.986	74.00	54.00	Pass
100 (Average)	5500.800	4.819	94.745	99.565			Pass

Figure Channel 100:

Horizontal (Peak)







- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item Band Edge Data :

Test Site No.3 OATS :

Test Mode

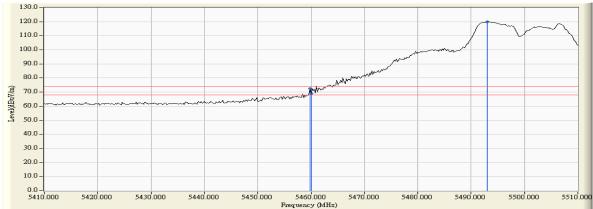
Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) – Channel 100 (5500MHz) :

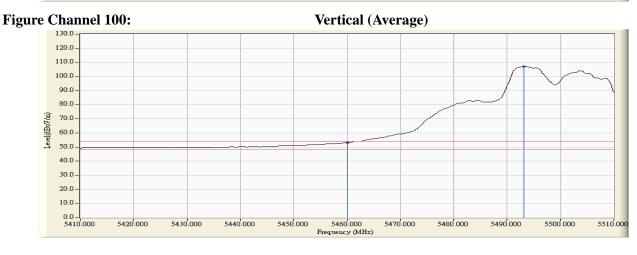
RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	(dBµV/m)	$(dB\mu V/m)$	(dBµV/m)	Kesult
100 (Peak)	5459.800	6.040	66.434	72.473	74.00	54.00	Pass
100 (Peak)	5460.000	6.041	62.922	68.963	74.00	54.00	Pass
100 (Peak)	5493.000	6.253	113.619	119.873			Pass
100 (Average)	5460.000	6.041	47.084	53.125	74.00	54.00	Pass
100 (Average)	5493.200	6.255	100.732	106.986			Pass

Figure Channel 100:

Vertical (Peak)





- All readings above 1GHz are performed with peak and/or average measurements as necessary. 1.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto. 2.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto. 3.
- "*", means this data is the worst emission level. 4.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.

:	Access Point/Sensor
:	Band Edge Data
:	No.3 OATS
:	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) – Channel 100
	:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-77.600	-59.266	-32.266	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-68.640	-49.305	-22.305	-27.000	Pass

Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (Internal Antenna) – Channel 140

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	18.649	-77.832	-59.183	-32.183	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	19.372	-72.304	-52.932	-25.932	-27.000	Pass



Test Item : Band Edge Data

Test Site : No.3 OATS

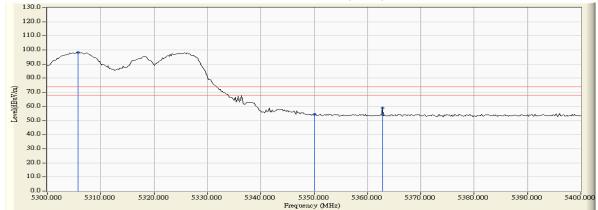
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 62 (5310MHz)

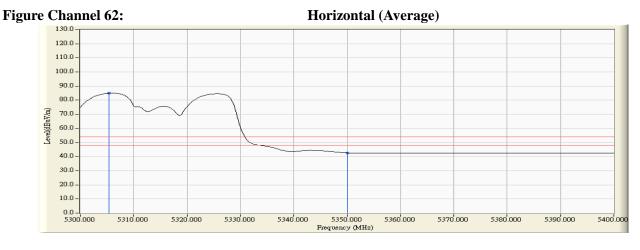
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	Kesuit
62 (Peak)	5305.800	3.859	94.294	98.152			Pass
62 (Peak)	5350.000	3.716	50.651	54.368	74.00	54.00	Pass
62 (Peak)	5362.800	3.674	55.063	58.737	74.00	54.00	Pass
62 (Average)	5305.400	3.859	81.218	85.078			Pass
62 (Average)	5350.000	3.716	38.975	42.692	74.00	54.00	Pass



Horizontal (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

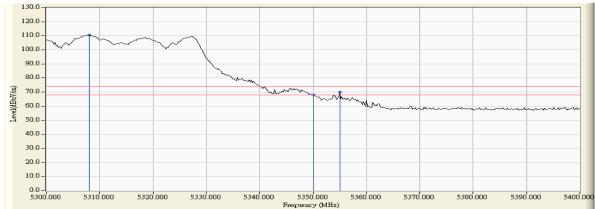
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 62 (5310MHz)

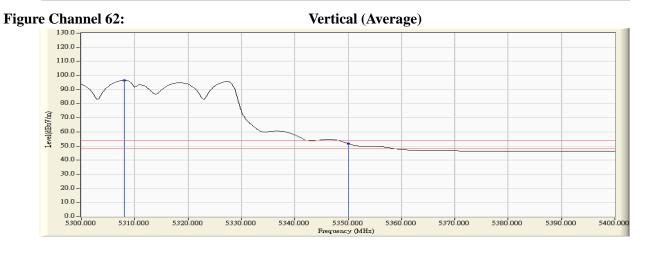
RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	(dBµV/m)	$(dB\mu V/m)$	(dBµV/m)	Kesult
62 (Peak)	5308.000	5.745	104.836	110.581			Pass
62 (Peak)	5350.000	5.691	62.172	67.864	74.00	54.00	Pass
62 (Peak)	5355.000	5.685	64.491	70.176	74.00	54.00	Pass
62 (Average)	5308.000	5.745	90.807	96.552			Pass
62 (Average)	5350.000	5.691	46.029	51.721	74.00	54.00	Pass

Figure Channel 62:

Vertical (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

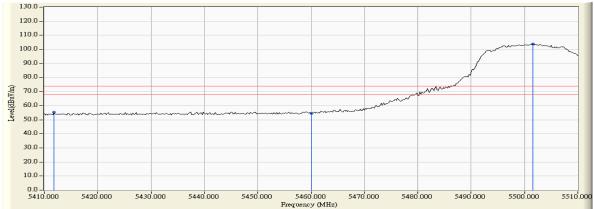
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 102 (5510MHz)

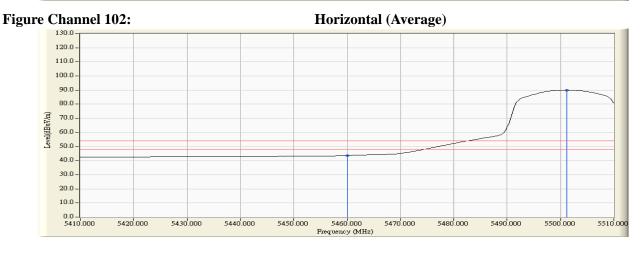
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Result
102 (Peak)	5411.800	3.711	51.838	55.550	74.00	54.00	Pass
102 (Peak)	5460.000	4.354	50.082	54.436	74.00	54.00	Pass
102 (Peak)	5501.600	4.826	98.994	103.820			Pass
102 (Average)	5460.000	4.354	39.282	43.636	74.00	54.00	Pass
102 (Average)	5501.200	4.823	85.119	89.942			Pass

Figure Channel 102:

Horizontal (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

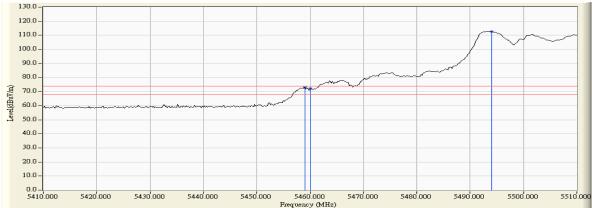
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 102 (5510MHz)

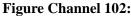
RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Result
102 (Peak)	5459.000	6.033	67.000	73.034	74.00	54.00	Pass
102 (Peak)	5460.000	6.041	65.951	71.992	74.00	54.00	Pass
102 (Peak)	5494.000	6.256	106.442	112.699			Pass
102 (Average)	5460.000	6.041	46.531	52.572	74.00	54.00	Pass
102 (Average)	5492.800	6.253	92.521	98.774			Pass

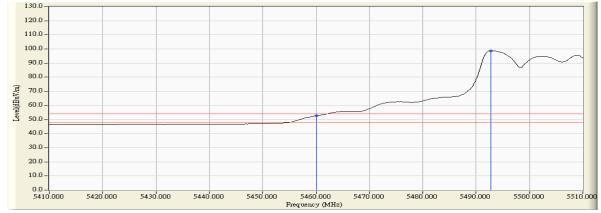
Figure Channel 102:

Vertical (Peak)





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 102

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	18.275	-79.757	-61.482	-34.482	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	19.288	-57.554	-38.266	-11.266	-27.000	Pass

Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (Internal Antenna) – Channel 134

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	18.649	-78.033	-59.384	-32.384	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	19.372	-74.177	-54.805	-27.805	-27.000	Pass

Product	:	Access Point/Sensor
Test Item	:	Band Edge Data

Test Site : No.3 OATS

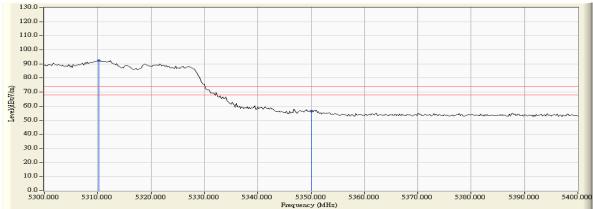
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) – Channel 58 (5290MHz)

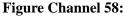
RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
58 (Peak)	5310.200	3.844	88.569	92.413	(uDµ //II) 	(uDµ v/m)	Pass
58 (Peak)	5350.000	3.716	52.892	56.609	74.00	54.00	Pass
58 (Average)	5311.600	3.839	72.860	76.699			Pass
58 (Average)	5350.000	3.716	39.960	43.677	74.00	54.00	Pass

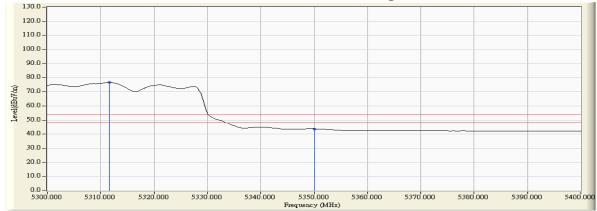
Figure Channel 58:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



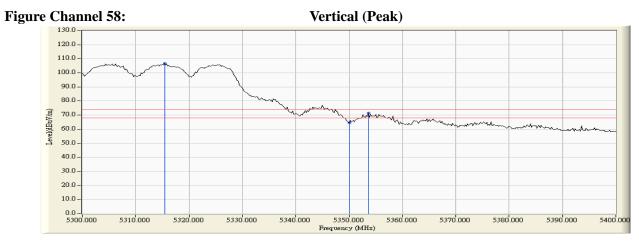
Test Item : Band Edge Data

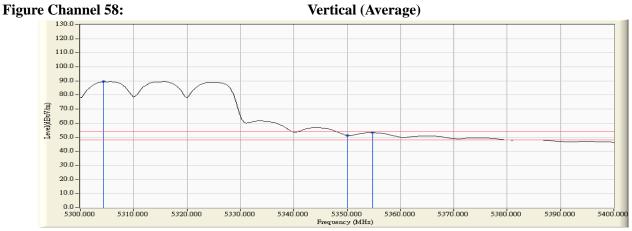
Test Site : No.3 OATS

Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) – Channel 58 (5290MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesuit
58 (Peak)	5315.400	5.735	100.869	106.604			Pass
58 (Peak)	5350.000	5.691	58.943	64.635	74.00	54.00	Pass
58 (Peak)	5353.600	5.687	65.680	71.367	74.00	54.00	Pass
58 (Average)	5304.400	5.749	83.778	89.527			Pass
58 (Average)	5350.000	5.691	45.569	51.261	74.00	54.00	Pass
58 (Average)	5354.800	5.685	47.598	53.283	74.00	54.00	Pass





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Test Item : Band Edge Data

Test Site : No.3 OATS

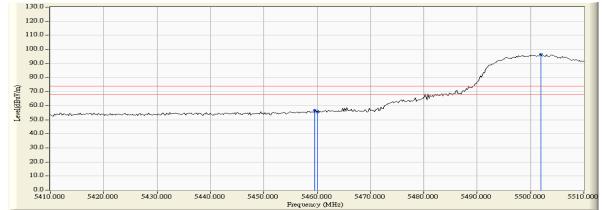
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) – Channel 106 (5530MHz)

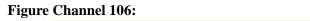
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesult
106 (Peak)	5459.600	4.349	52.468	56.817	74.00	54.00	Pass
106 (Peak)	5460.000	4.354	50.955	55.309	74.00	54.00	Pass
106 (Peak)	5502.000	4.829	91.769	96.597			Pass
106 (Average)	5460.000	4.354	39.894	44.248	74.00	54.00	Pass
106 (Average)	5501.800	4.827	75.723	80.550			Pass

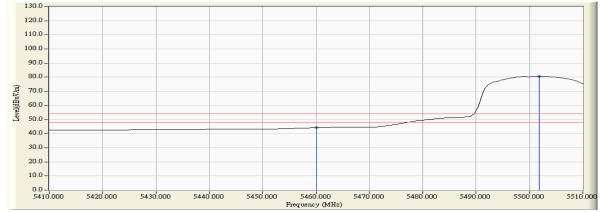
Figure Channel 106:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



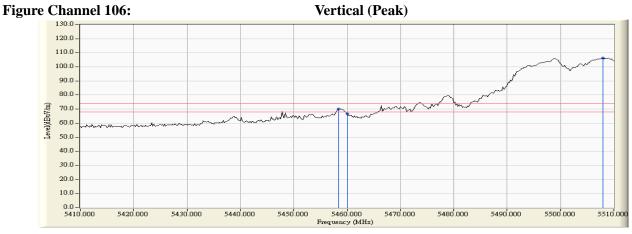
Test Item : Band Edge Data

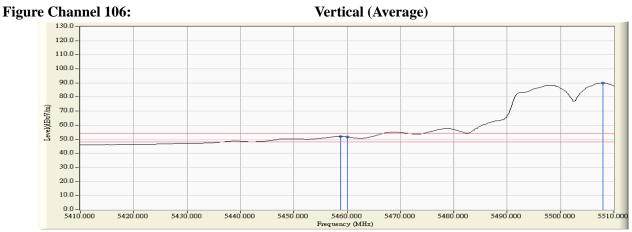
Test Site : No.3 OATS

Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) – Channel 106 (5530MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	(dBµV/m)	$(dB\mu V/m)$	(dBµV/m)	Kesuit
106 (Peak)	5458.400	6.029	64.083	70.113	74.00	54.00	Pass
106 (Peak)	5460.000	6.041	60.564	66.605	74.00	54.00	Pass
106 (Peak)	5508.000	6.270	100.131	106.402			Pass
106 (Average)	5458.800	6.032	45.977	52.009	74.00	54.00	Pass
106 (Average)	5460.000	6.041	45.563	51.604	74.00	54.00	Pass
106 (Average)	5508.000	6.270	83.738	90.009			Pass





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (Internal Antenna) - Channel
		106

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-68.640	-50.306	-23.306	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-67.650	-48.315	-21.315	-27.000	Pass



Product : Acce	ess Point/Sensor
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Test Item : Band Edge Data

Test Site : No.3 OATS

Test Mode

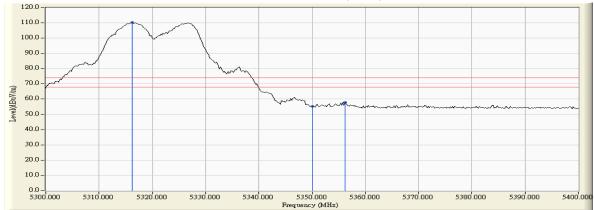
Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 64 (5320MHz)

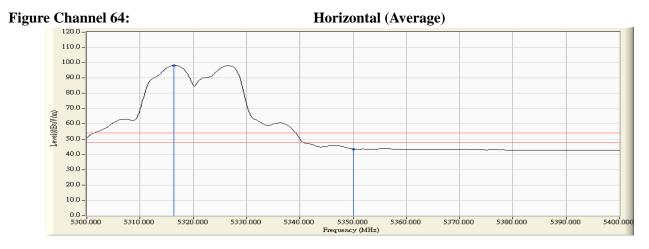
RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5316.200	3.824	106.393	110.217			Pass
64 (Peak)	5350.000	3.716	51.583	55.300	74.00	54.00	Pass
64 (Peak)	5356.200	3.696	54.361	58.057	74.00	54.00	Pass
64 (Average)	5316.400	3.823	94.445	98.269			Pass
64 (Average)	5350.000	3.716	39.734	43.451	74.00	54.00	Pass

Figure Channel 64:

Horizontal (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



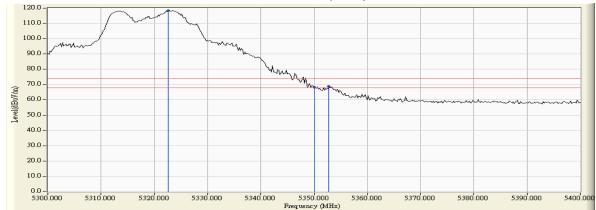
Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5322.600	5.725	112.801	118.527			Pass
64 (Peak)	5350.000	5.691	62.362	68.054	74.00	54.00	Pass
64 (Peak)	5352.800	5.688	63.307	68.995	74.00	54.00	Pass
64 (Average)	5313.400	5.738	100.983	106.721			Pass
64 (Average)	5350.000	5.691	45.611	51.303	74.00	54.00	Pass

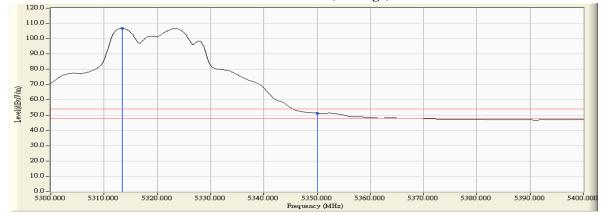
Figure Channel 64:

Vertical (Peak)





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



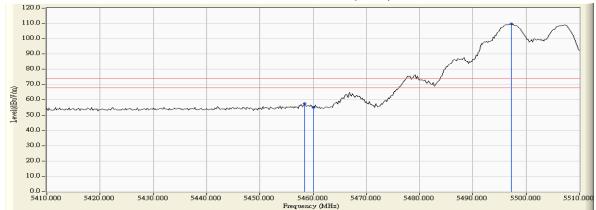
Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

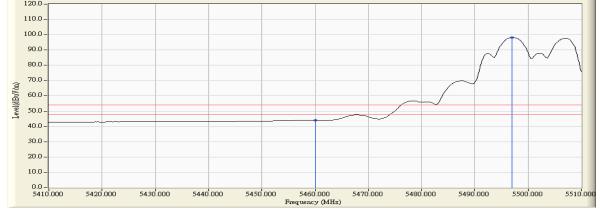
Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
100 (Peak)	5458.400	4.332	53.246	57.578	74.00	54.00	Pass
100 (Peak)	5460.000	4.354	50.658	55.012	74.00	54.00	Pass
100 (Peak)	5497.200	4.795	104.807	109.602			Pass
100 (Average)	5460.000	4.354	39.626	43.980	74.00	54.00	Pass
100 (Average)	5497.000	4.794	93.427	98.221			Pass

Figure Channel 100:

Horizontal (Peak)







- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesult
100 (Peak)	5460.000	6.041	61.565	67.606	74.00	54.00	Pass
100 (Peak)	5499.400	6.273	114.078	120.351			Pass
100 (Average)	5460.000	6.041	45.230	51.271	74.00	54.00	Pass
100 (Average)	5499.400	6.273	102.634	108.907			Pass

Figure Channel 100:

Vertical (Peak)

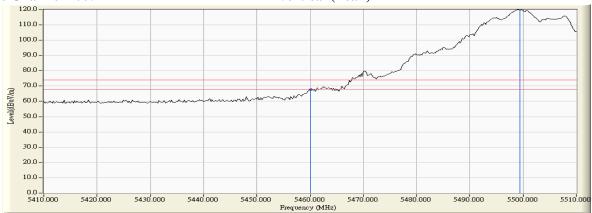
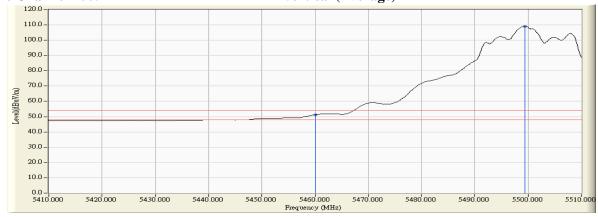


Figure Channel 100:

Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 100

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizon	al 5470.000	14.189	-78.970	-64.781	-37.781	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	13.630	-76.750	-63.120	-36.120	-27.000	Pass



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps) (External Antenna)-Channel 140

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	14.557	-78.520	-63.963	-36.963	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	14.292	-77.070	-62.778	-35.778	-27.000	Pass



Test Item : Band Edge Data

Test Site : No.3 OATS

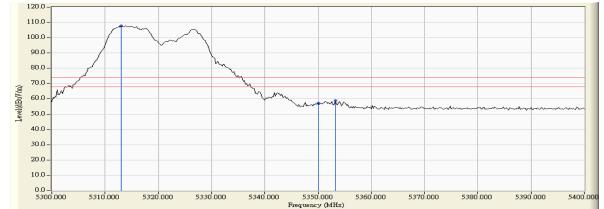
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBµV)	Emission Level (dBµV/m)	Peak Limit (dBµV/m)	Average Limit (dBµV/m)	Result
64 (Peak)	5313.000	3.835	104.016	107.851			Pass
64 (Peak)	5350.000	3.716	53.405	57.122	74.00	54.00	Pass
64 (Peak)	5353.200	3.706	55.115	58.821	74.00	54.00	Pass
64 (Average)	5314.200	3.831	92.146	95.977			Pass
64 (Average)	5350.000	3.716	40.400	44.117	74.00	54.00	Pass

Figure Channel 64:

Horizontal (Peak)







- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

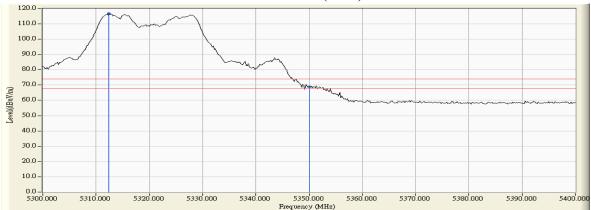
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 64 (5320MHz)

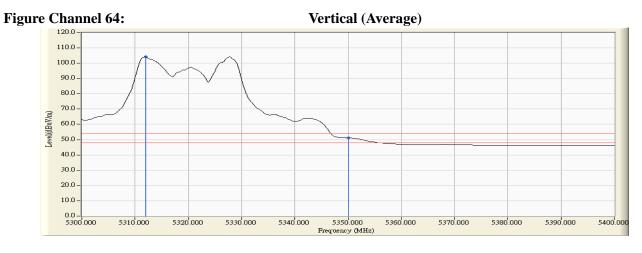
RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	Result
64 (Peak)	5312.400	5.739	110.948	116.687			Pass
64 (Peak)	5350.000	5.691	63.256	68.948	74.00	54.00	Pass
64 (Average)	5312.000	5.739	98.622	104.361			Pass
64 (Average)	5350.000	5.691	45.500	51.192	74.00	54.00	Pass

Figure Channel 64:

Vertical (Peak)





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

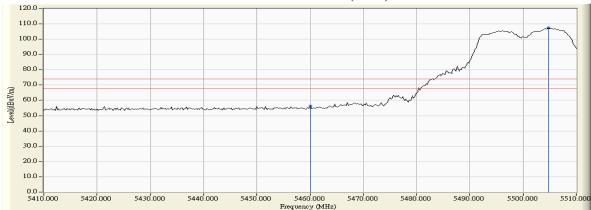
Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	Result
100 (Peak)	5460.000	4.354	51.883	56.237	74.00	54.00	Pass
100 (Peak)	5504.800	4.848	102.510	107.358			Pass
100 (Average)	5460.000	4.354	39.016	43.370	74.00	54.00	Pass
100 (Average)	5505.000	4.849	90.484	95.333			Pass

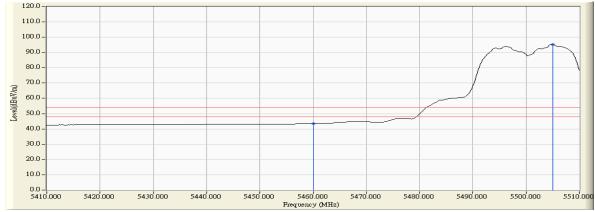
Figure Channel 100:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Result
100 (Peak)	5460.000	6.041	57.376	63.417	74.00	54.00	Pass
100 (Peak)	5505.600	6.286	113.398	119.684			Pass
100 (Average)	5460.000	6.041	45.464	51.505	74.00	54.00	Pass
100 (Average)	5506.400	6.282	100.638	106.919			Pass

Figure Channel 100:

Vertical (Peak)

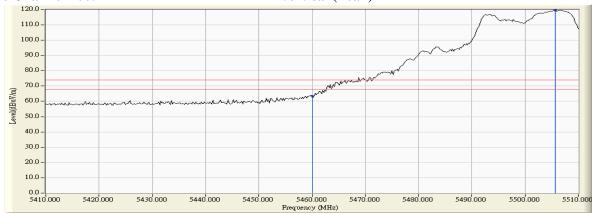
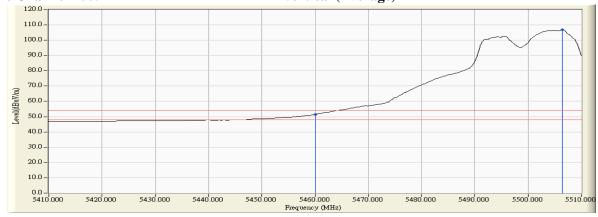


Figure Channel 100:

Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 100

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	14.189	-78.790	-64.601	-37.601	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	13.630	-76.570	-62.940	-35.940	-27.000	Pass

Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmitter (802.11n-20BW 21.7Mbps) (External Antenna)-Channel 140

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	14.557	-78.200	-63.643	-36.643	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	14.292	-77.520	-63.228	-36.228	-27.000	Pass



Test Item : Band Edge Data

Test Site : No.3 OATS

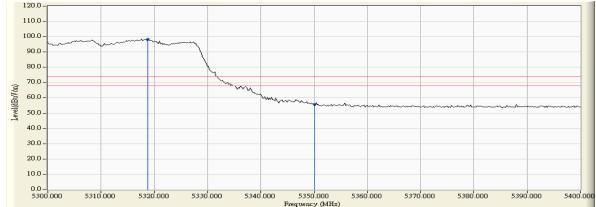
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 62 (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	- ·		U U	Emission Level		U U	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	$(dB\mu V/m)$	
62 (Peak)	5318.800	3.816	94.624	98.440			Pass
62 (Peak)	5350.000	3.716	52.070	55.787	74.00	54.00	Pass
62 (Average)	5316.200	3.824	80.694	84.518			Pass
62 (Average)	5350.000	3.716	39.280	42.997	74.00	54.00	Pass

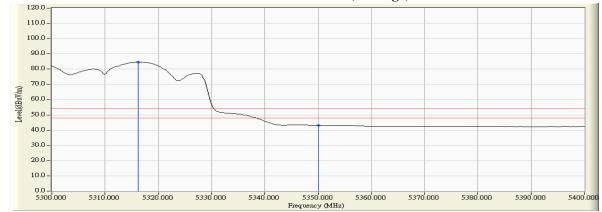
Figure Channel 62:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



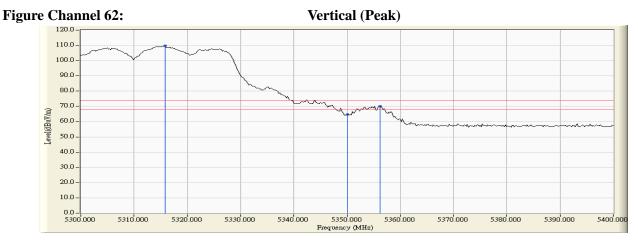
Test Item : Band Edge Data

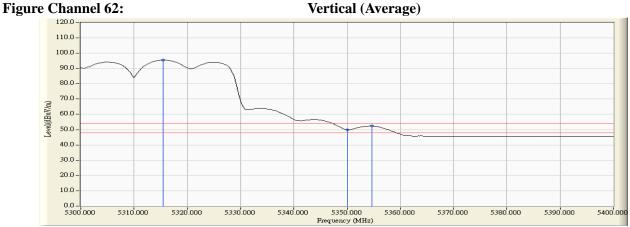
Test Site : No.3 OATS

Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 62 (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesuit
62 (Peak)	5315.800	5.735	103.947	109.681			Pass
62 (Peak)	5350.000	5.691	58.918	64.610	74.00	54.00	Pass
62 (Peak)	5356.200	5.683	64.545	70.228	74.00	54.00	Pass
62 (Average)	5315.400	5.735	89.722	95.457			Pass
62 (Average)	5350.000	5.691	44.184	49.876	74.00	54.00	Pass
62 (Average)	5354.600	5.686	46.668	52.353	74.00	54.00	Pass





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

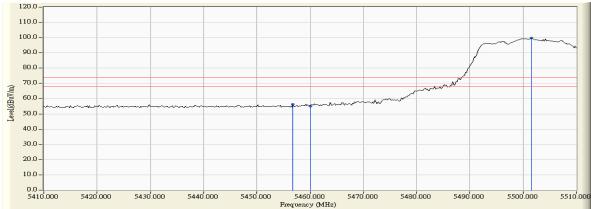
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 102 (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesuit
102 (Peak)	5456.800	4.311	52.029	56.340	74.00	54.00	Pass
102 (Peak)	5460.000	4.354	50.750	55.104	74.00	54.00	Pass
102 (Peak)	5501.600	4.826	94.812	99.638			Pass
102 (Average)	5460.000	4.354	39.002	43.356	74.00	54.00	Pass
102 (Average)	5501.200	4.823	80.887	85.710			Pass

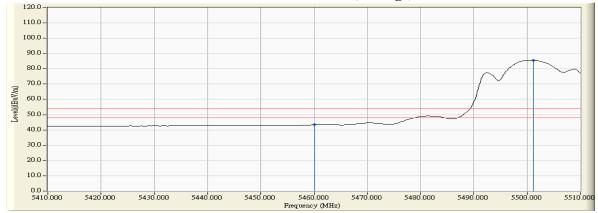
Figure Channel 102:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

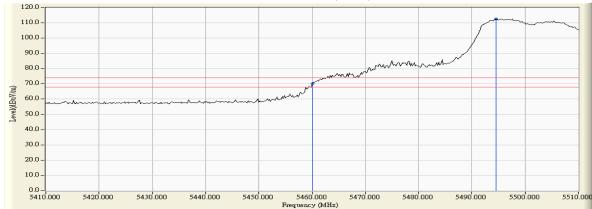
Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 102 (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesult
102 (Peak)	5460.000	6.041	64.129	70.170	74.00	54.00	Pass
102 (Peak)	5494.600	6.259	106.303	112.562			Pass
102 (Average)	5460.000	6.041	45.021	51.062	74.00	54.00	Pass
102 (Average)	5494.800	6.259	91.623	97.882			Pass

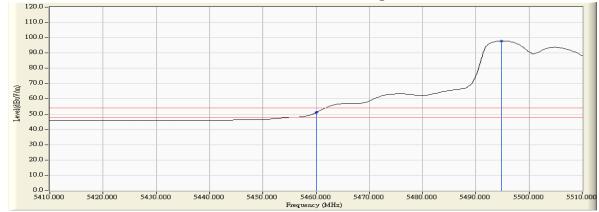
Figure Channel 102:

Vertical (Peak)





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 102

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	14.189	-77.690	-63.501	-36.501	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	13.630	-72.810	-59.180	-32.180	-27.000	Pass



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmitter (802.11n-40BW 45Mbps) (External Antenna)-Channel 134

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5725.000	14.557	-78.900	-64.343	-37.343	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5725.000	14.292	-78.340	-64.048	-37.048	-27.000	Pass

ss Point/Sensor

Test Item : Band Edge Data

Test Site : No.3 OATS

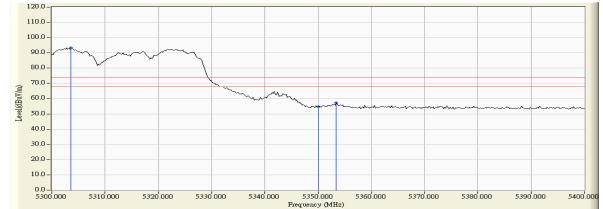
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna)-Channel 58 (5290MHz)

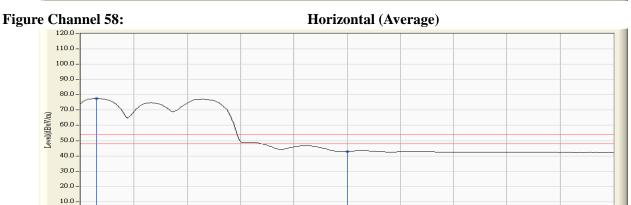
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	(dBµV/m)	$(dB\mu V/m)$	(dBµV/m)	Result
58 (Peak)	5303.600	3.866	89.300	93.165			Pass
58 (Peak)	5350.000	3.716	50.923	54.640	74.00	54.00	Pass
58 (Peak)	5353.400	3.706	53.431	57.136	74.00	54.00	Pass
58 (Average)	5303.000	3.868	73.654	77.521			Pass
58 (Average)	5350.000	3.716	39.128	42.845	74.00	54.00	Pass

Figure Channel 58:

Horizontal (Peak)





Note:

0.0-

5310.000

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.

Free

5350,000

ncy (MHz)

5340,000

5360.000

5370.000

5380,000

5390.000

5400.000

2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

5330.000

- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.

5320,000

- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

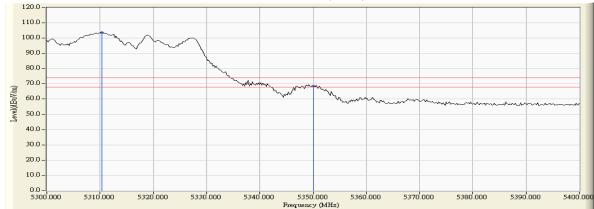
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna)-Channel 58 (5290MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesuit
58 (Peak)	5310.400	5.741	97.993	103.735			Pass
58 (Peak)	5350.000	5.691	62.927	68.619	74.00	54.00	Pass
58 (Average)	5308.800	5.744	80.990	86.734			Pass
58 (Average)	5350.000	5.691	46.347	52.039	74.00	54.00	Pass

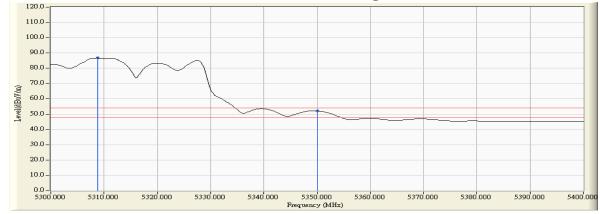
Figure Channel 58:

Vertical (Peak)





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.

Test Item : Band Edge Data

Test Site : No.3 OATS

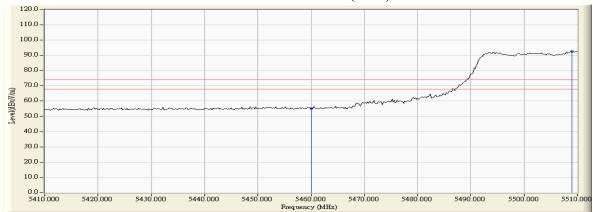
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna)-Channel 106 (5530MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
Channel No.	(MHz)	(Db)	(dBµV)	(dBµV/m)	$(dB\mu V/m)$	(dBµV/m)	Result
106 (Peak)	5460.000	4.354	50.619	54.973	74.00	54.00	Pass
106 (Peak)	5509.000	4.817	87.696	92.513			Pass
106 (Average)	5460.000	4.354	38.956	43.310	74.00	54.00	Pass
106 (Average)	5510.000	4.809	71.604	76.413			Pass

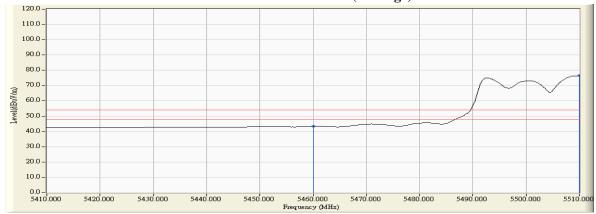
Figure Channel 106:

Horizontal (Peak)





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Test Item : Band Edge Data

Test Site : No.3 OATS

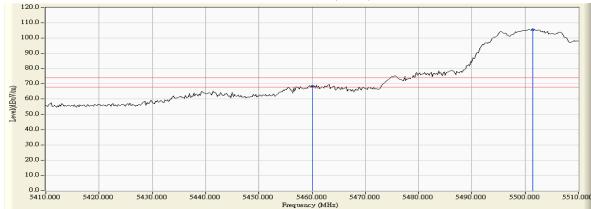
Test Mode : Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna)-Channel 106 (5530MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Average Limit	Result
	(MHz)	(Db)	(dBµV)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dBµV/m)	Kesuit
106 (Peak)	5460.000	6.041	62.363	68.404	74.00	54.00	Pass
106 (Peak)	5501.400	6.280	99.327	105.606			Pass
106 (Average)	5460.000	6.041	47.234	53.275	74.00	54.00	Pass
106 (Average)	5500.800	6.277	83.326	89.603			Pass

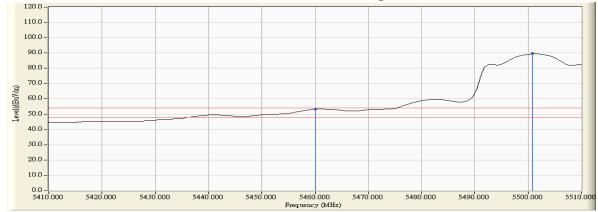
Figure Channel 106:

Vertical (Peak)





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correction Factor.
- 6. The average measurement was not performed when the peak measured data is under the limit of average detection.



Product	:	Access Point/Sensor
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit (802.11ac-80BW-97.5Mbps) (External Antenna) – Channel 106

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-68.920	-50.586	-23.586	-27.000	Pass

	Frequency (MHz)	Correct Factor (Db)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (Db)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-67.760	-48.425	-21.425	-27.000	Pass

7. Frequency Stability

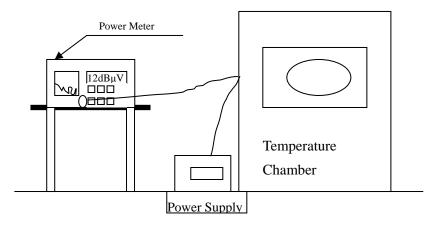
7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

- 2. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 3. The test instruments marked with "X" are used to measure the final test results.

7.2. Test Setup



7.3. Limits

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

7.4. Test Procedure

The EUT was tested to procedure of ANSI C63.10: 2013 Section 6.8 for compliance to FCC 47 CFR Subpart E requirements.

7.5. Uncertainty

± 150 Hz

7.6. Test Result of Frequency Stability

Product	:	Access Point/Sensor
Test Item	:	Frequency Stability
Test Site	:	Temperature Chamber
Test Mode	:	Carrier Wave (Internal Antenna)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5259.9920	0.0080
		54	5270.0000	5269.9940	0.0060
		60	5300.0000	5299.9950	0.0050
		62	5310.0000	5309.9940	0.0060
		64	5320.0000	5319.9920	0.0080
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9980	0.0020
		102	5510.0000	5509.9970	0.0030
		110	5550.0000	5549.9970	0.0030
		116	5580.0000	5579.9980	0.0020
		134	5670.0000	5669.9970	0.0030
		140	5700.0000	5699.9980	0.0020
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0060	-0.0060
		54	5270.0000	5270.0110	-0.0110
		60	5300.0000	5300.0080	-0.0080
		62	5310.0000	5310.0080	-0.0080
		64	5320.0000	5320.0110	-0.0110
Tmax (55) °C	Vmax (126.5)V	100	5500.0000	5500.0060	-0.0060
		102	5510.0000	5510.0090	-0.0090
		110	5550.0000	5550.0010	-0.0010
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0070	-0.0070
		140	5700.0000	5700.0050	-0.0050



Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0150	-0.0150
		54	5270.0000	5270.0120	-0.0120
		60	5300.0000	5300.0080	-0.0080
		62	5310.0000	5310.0120	-0.0120
		64	5320.0000	5320.0080	-0.0080
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0060	-0.0060
		102	5510.0000	5510.0090	-0.0090
		110	5550.0000	5550.0040	-0.0040
		116	5580.0000	5580.0060	-0.0060
		134	5670.0000	5670.0090	-0.0090
		140	5700.0000	5700.0010	-0.0010
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0740	-0.0740
		54	5270.0000	5270.0860	-0.0860
		60	5300.0000	5300.0740	-0.0740
		62	5310.0000	5310.0640	-0.0640
	Vmax (126.5)V	64	5320.0000	5320.0750	-0.0750
Tmin (-20) °C		100	5500.0000	5500.0790	-0.0790
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0040	-0.0040
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0720	-0.0720
		140	5700.0000	5700.0680	-0.0680
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0680	-0.0680
		54	5270.0000	5270.0710	-0.0710
		60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0680	-0.0680
		64	5320.0000	5320.0720	-0.0720
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0690	-0.0690
		102	5510.0000	5510.0720	-0.0720
		110	5550.0000	5550.0040	-0.0040
		116	5580.0000	5580.0060	-0.0060
		134	5670.0000	5670.0820	-0.0820
		140	5700.0000	5700.0680	-0.0680

Chain 2	B
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Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5259.9990	0.0010
		54	5270.0000	5269.9970	0.0030
		60	5300.0000	5299.9950	0.0050
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9960	0.0040
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9980	0.0020
		110	5550.0000	5549.9950	0.0050
		116	5580.0000	5579.9940	0.0060
		134	5670.0000	5669.9960	0.0040
		140	5700.0000	5699.9980	0.0020
Test C	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0100	-0.0100
		54	5270.0000	5270.0080	-0.0080
		60	5300.0000	5300.0120	-0.0120
		62	5310.0000	5310.0060	-0.0060
		64	5320.0000	5320.0100	-0.0100
Tmax (55) °C	Vmax (126.5)V	64 100	5320.0000 5500.0000	5320.0100 5500.0070	-0.0100 -0.0070
Tmax (55) °C	Vmax (126.5)V				
Tmax (55) °C	Vmax (126.5)V	100	5500.0000	5500.0070	-0.0070
Tmax (55) °C	Vmax (126.5)V	100 102	5500.0000 5510.0000	5500.0070 5510.0060	-0.0070 -0.0060
Tmax (55) °C	Vmax (126.5)V	100 102 110	5500.0000 5510.0000 5550.0000	5500.0070 5510.0060 5550.0030	-0.0070 -0.0060 -0.0030



Test Co	Test Conditions		Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0080	-0.0080
		54	5270.0000	5270.0100	-0.0100
		60	5300.0000	5300.0060	-0.0060
		62	5310.0000	5310.0070	-0.0070
		64	5320.0000	5320.0030	-0.0030
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0110	-0.0110
		102	5510.0000	5510.0120	-0.0120
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0120	-0.0120
		140	5700.0000	5700.0110	-0.0110
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0620	-0.0620
		54	5270.0000	5270.0740	-0.0740
	Vmax (126.5)V	60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0720	-0.0720
		64	5320.0000	5320.0840	-0.0840
Tmin (-20) °C		100	5500.0000	5500.0720	-0.0720
		102	5510.0000	5510.0660	-0.0660
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0050	-0.0050
		134	5670.0000	5670.0580	-0.0580
		140	5700.0000	5700.0620	-0.0620
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0610	-0.0610
		54	5270.0000	5270.0580	-0.0580
		60	5300.0000	5300.0720	-0.0720
		62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0680	-0.0680
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0730	-0.0730
		102	5510.0000	5510.0820	-0.0820
		110	5550.0000	5550.0050	-0.0050
		116	5580.0000	5580.0060	-0.0060
		134	5670.0000	5670.0680	-0.0680
		140	5700.0000	5700.0720	-0.0720

Chain	C
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Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5259.9980	0.0020
		54	5270.0000	5269.9970	0.0030
		60	5300.0000	5299.9980	0.0020
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9990	0.0010
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9960	0.0040
		110	5550.0000	5549.9960	0.0040
		116	5580.0000	5579.9930	0.0070
		134	5670.0000	5669.9980	0.0020
		140	5700.0000	5699.9980	0.0020
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0100	-0.0100
		54	5270.0000	5270.0060	-0.0060
		60	5300.0000	5300.0130	-0.0130
		62	5310.0000	5310.0080	-0.0080
		64	5320.0000	5320.0120	-0.0120
Tmax (55) °C	Vmax (126.5)V	100	5500.0000	5500.0070	-0.0070
		102	5510.0000	5510.0080	-0.0080
		110	5550.0000	5550.0050	-0.0050
		116	5580.0000	5580.0040	-0.0040
		134	5670.0000	5670.0160	-0.0160
		140	5700.0000	5700.0140	-0.0140



Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0080	-0.0080
		52	5270.0000	5270.0120	-0.0120
		60	5300.0000	5300.0080	-0.0080
		62	5310.0000	5310.0060	-0.0060
		64	5320.0000	5320.0070	-0.0070
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0140	-0.0140
		102	5510.0000	5510.0090	-0.0090
		110	5550.0000	5550.0050	-0.0050
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0080	-0.0080
		140	5700.0000	5700.0130	-0.0130
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0880	-0.0880
		54	5270.0000	5270.0560	-0.0560
		60	5300.0000	5300.0620	-0.0620
	Vmax (126.5)V	62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0590	-0.0590
Tmin (-20) °C		100	5500.0000	5500.0710	-0.0710
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0060	-0.0060
		116	5580.0000	5580.0030	-0.0030
		134	5670.0000	5670.0820	-0.0820
		140	5700.0000	5700.0640	-0.0640
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0670	-0.0670
		54	5270.0000	5270.0810	-0.0810
		60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0650	-0.0650
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0650	-0.0650
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0040	-0.0040
		116	5580.0000	5580.0070	-0.0070
		134	5670.0000	5670.0740	-0.0740
		140	5700.0000	5700.0680	-0.0680



Product	:	Access Point/Sensor
Test Item	:	Frequency Stability
Test Site	:	Temperature Chamber
Test Mode	:	Carrier Wave (ac) (Internal Antenna)

Chain A

Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5289.9970	0.0030
Tnom (20) °C		106	5530.0000	5529.9980	0.0020
	XX (110)XX	122	5610.0000	5609.9960	0.0040
	Vnom (110)V	138	5690.0000	5689.9970	0.0030
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9980	0.0020
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0070	-0.0070
	VI (106 5)VI	122	5610.0000	5610.0120	-0.0120
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0160	-0.0160
		142	5710.0000	5710.0060	-0.0060
		144	5720.0000	5720.0120	-0.0120
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmin (93.5)V	58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0060	-0.0060
$T_{max}(55)^{0}C$		122	5610.0000	5610.0120	-0.0120
Tmax (55) °C		138	5690.0000	5690.0130	-0.0130
		142	5710.0000	5710.0060	-0.0060
		144	5720.0000	5720.0130	-0.0130
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0580	-0.0580
		106	5530.0000	5530.0650	-0.0650
Train (20) °C	$V_{\rm max}$ (126.5) $V_{\rm c}$	122	5610.0000	5610.0680	-0.0680
Tmin (-20) °C	Vmax (126.5)V	138	5690.0000	5690.0740	-0.0740
		142	5710.0000	5710.0720	-0.0720
		144	5720.0000	5720.0680	-0.0680
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0710	-0.0710
		106	5530.0000	5530.0820	-0.0820
T_{min} (20) ^{9}C	V_{min} (02.5) V_{min}	122	5610.0000	5610.0810	-0.0810
Tmin (-20) °C	Vmin (93.5)V	138	5690.0000	5690.0680	-0.0680
		142	5710.0000	5710.0740	-0.0740
		144	5720.0000	5720.0850	-0.0850

Chann D					
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
			5290.0000	5289.9980	0.0020
Tnom (20) °C		106	5530.0000	5529.9980	0.0020
	$\mathbf{V}_{\mathrm{max}} = (110)\mathbf{V}_{\mathrm{max}}$	122	5610.0000	5609.9970	0.0030
	Vnom (110)V	138	5690.0000	5689.9960	0.0040
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9970	0.0030
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0120	-0.0120
T (55) 90		122	5610.0000	5610.0080	-0.0080
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0060	-0.0060
		142	5710.0000	5710.0110	-0.0110
		144	5720.0000	5720.0130	-0.0130
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmin (93.5)V	58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0120	-0.0120
$T_{max} (55) ^{0}C$		122	5610.0000	5610.0080	-0.0080
Tmax (55) °C		138	5690.0000	5690.0140	-0.0140
		142	5710.0000	5710.0080	-0.0080
		144	5720.0000	5720.0150	-0.0150
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0740	-0.0740
		106	5530.0000	5530.0820	-0.0820
Tmin (-20) °C	Vmax (126.5)V	122	5610.0000	5610.0680	-0.0680
1 mm (-20) C	\mathbf{v} max (120.3) \mathbf{v}	138	5690.0000	5690.0720	-0.0720
		142	5710.0000	5710.0820	-0.0820
		144	5720.0000	5720.0680	-0.0680
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0580	-0.0580
		106	5530.0000	5530.0740	-0.0740
$T_{min}(20)^{0}C$	V_{min} (02.5) V_{min}	122	5610.0000	5610.0820	-0.0820
Tmin (-20) °C	Vmin (93.5)V	138	5690.0000	5690.0680	-0.0680
		142	5710.0000	5710.0580	-0.0580
		144	5720.0000	5720.0660	-0.0660

Chain B

Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F$ (MHz)
		58	5290.0000	5289.9990	0.0010
Tnom (20) °C		106	5530.0000	5529.9980	0.0020
	Vnom (110)V	122	5610.0000	5609.9970	0.0030
	V 110111 (110) V	138	5690.0000	5689.9980	0.0020
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9990	0.0010
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0120	-0.0120
		106	5530.0000	5530.0180	-0.0180
$T_{max} (55) {}^{0}C$	$V_{\rm max} (126.5) V$	122	5610.0000	5610.0120	-0.0120
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0160	-0.0160
		142	5710.0000	5710.0070	-0.0070
		144	5720.0000	5720.0060	-0.0060
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0120	-0.0120
		106	5530.0000	5530.0180	-0.0180
$T_{max}(55)^{0}C$	Vmin (93.5)V	122	5610.0000	5610.0080	-0.0080
Tmax (55) °C		138	5690.0000	5690.0120	-0.0120
		142	5710.0000	5710.0070	-0.0070
		144	5720.0000	5720.0120	-0.0120
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0660	-0.0660
		106	5530.0000	5530.0820	-0.0820
T : (00) %C	VI (106 5)VI	122	5610.0000	5610.0620	-0.0620
Tmin (-20) °C	Vmax (126.5)V	138	5690.0000	5690.0740	-0.0740
		142	5710.0000	5710.0680	-0.0680
		144	5720.0000	5720.0660	-0.0660
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F (MHz)$
		58	5290.0000	5290.0620	-0.0620
		106	5530.0000	5530.0770	-0.0770
Train $(20)^{\circ}$ C	V_{min} (02.5) V_{c}	122	5610.0000	5610.0820	-0.0820
Tmin (-20) °C	Vmin (93.5)V	138	5690.0000	5690.0650	-0.0650
		142	5710.0000	5710.0740	-0.0740
		144	5720.0000	5720.0820	-0.0820

Chain C



Product	:	Access Point/Sensor
Test Item	:	Frequency Stability
Test Site	:	Temperature Chamber
Test Mode	:	Carrier Wave (External Antenna)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	52	5260.0000	5259.9920	0.0080	
		54	5270.0000	5269.9940	0.0060
		60	5300.0000	5299.9950	0.0050
		62	5310.0000	5309.9940	0.0060
		64	5320.0000	5319.9920	0.0080
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9980	0.0020
		102	5510.0000	5509.9970	0.0030
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9990	0.0010
		134	5670.0000	5669.9970	0.0030
		140	5700.0000	5699.9980	0.0020
Test C	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0060	-0.0060
					-0.0000
		54	5270.0000	5270.0110	-0.0000
		54 60	5270.0000 5300.0000	5270.0110 5300.0080	
					-0.0110
		60	5300.0000	5300.0080	-0.0110 -0.0080
Tmax (55) °C	Vmax (126.5)V	60 62	5300.0000 5310.0000	5300.0080 5310.0080	-0.0110 -0.0080 -0.0080
Tmax (55) °C	Vmax (126.5)V	60 62 64	5300.0000 5310.0000 5320.0000	5300.0080 5310.0080 5320.0110	-0.0110 -0.0080 -0.0080 -0.0110
Tmax (55) °C	Vmax (126.5)V	60 62 64 100	5300.0000 5310.0000 5320.0000 5500.0000	5300.0080 5310.0080 5320.0110 5500.0060	-0.0110 -0.0080 -0.0080 -0.0110 -0.0060
Tmax (55) °C	Vmax (126.5)V	60 62 64 100 102	5300.0000 5310.0000 5320.0000 5500.0000 5510.0000	5300.0080 5310.0080 5320.0110 5500.0060 5510.0090	-0.0110 -0.0080 -0.0080 -0.0110 -0.0060 -0.0090
Tmax (55) °C	Vmax (126.5)V	60 62 64 100 102 110	5300.0000 5310.0000 5320.0000 5500.0000 5510.0000 5550.0000	5300.0080 5310.0080 5320.0110 5500.0060 5510.0090 5550.0060	-0.0110 -0.0080 -0.0080 -0.0110 -0.0060 -0.0090 -0.0060



Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0150	-0.0150
		54	5270.0000	5270.0120	-0.0120
		60	5300.0000	5300.0080	-0.0080
		62	5310.0000	5310.0120	-0.0120
		64	5320.0000	5320.0080	-0.0080
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0060	-0.0060
		102	5510.0000	5510.0090	-0.0090
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0030	-0.0030
		134	5670.0000	5670.0090	-0.0090
		140	5700.0000	5700.0010	-0.0010
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0740	-0.0740
		54	5270.0000	5270.0860	-0.0860
	Vmax (126.5)V	60	5300.0000	5300.0740	-0.0740
		62	5310.0000	5310.0640	-0.0640
		64	5320.0000	5320.0750	-0.0750
Tmin (-20) °C		100	5500.0000	5500.0790	-0.0790
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0720	-0.0720
		140	5700.0000	5700.0680	-0.0680
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0680	-0.0680
		54	5270.0000	5270.0710	-0.0710
		60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0680	-0.0680
		64	5320.0000	5320.0720	-0.0720
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0690	-0.0690
		102	5510.0000	5510.0720	-0.0720
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0010	-0.0010
		134	5670.0000	5670.0820	-0.0820
		140	5700.0000	5700.0680	-0.0680

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	$\triangle F$ (MHz)
		52	5260.0000	5259.9990	0.0010
		54	5270.0000	5269.9970	0.0030
		60	5300.0000	5299.9950	0.0050
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9960	0.0040
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9980	0.0020
		110	5550.0000	5549.9970	0.0030
		116	5580.0000	5579.9980	0.0020
		134	5670.0000	5669.9960	0.0040
		140	5700.0000	5699.9980	0.0020
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0100	-0.0100
		54	5270.0000	5270.0080	-0.0080
		60	5300.0000	5300.0120	-0.0120
		62	5310.0000	5310.0060	-0.0060
		64	5320.0000	5320.0100	-0.0100
Tmax (55) °C	Vmax (126.5)V	100	5500.0000	5500.0070	-0.0070
		102	5510.0000	5510.0060	-0.0060
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0050	-0.0050
		134	5670.0000	5670.0080	-0.0080
		140	5700.0000	5700.0150	-0.0150



Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0080	-0.0080
		54	5270.0000	5270.0100	-0.0100
		60	5300.0000	5300.0060	-0.0060
		62	5310.0000	5310.0070	-0.0070
		64	5320.0000	5320.0030	-0.0030
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0110	-0.0110
		102	5510.0000	5510.0120	-0.0120
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0120	-0.0120
		140	5700.0000	5700.0110	-0.0110
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0620	-0.0620
		54	5270.0000	5270.0740	-0.0740
	Vmax (126.5)V	60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0720	-0.0720
		64	5320.0000	5320.0840	-0.0840
Tmin (-20) °C		100	5500.0000	5500.0720	-0.0720
		102	5510.0000	5510.0660	-0.0660
		110	5550.0000	5550.0040	-0.0040
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0580	-0.0580
		140	5700.0000	5700.0620	-0.0620
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0610	-0.0610
		54	5270.0000	5270.0580	-0.0580
		60	5300.0000	5300.0720	-0.0720
		62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0680	-0.0680
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0730	-0.0730
		102	5510.0000	5510.0820	-0.0820
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0680	-0.0680
		140	5700.0000	5700.0720	-0.0720

Cha	in	С
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Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5259.9980	0.0020
		54	5270.0000	5269.9970	0.0030
		60	5300.0000	5299.9980	0.0020
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9990	0.0010
Tnom (20) °C	Vnom (110)V	100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9960	0.0040
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9980	0.0020
		140	5700.0000	5699.9980	0.0020
Test Co	Test Conditions		Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0100	-0.0100
Tmax (55) °C	Vmax (126.5)V	54	5270.0000	5270.0060	-0.0060
		60	5300.0000	5300.0130	-0.0130
		62	5310.0000	5310.0080	-0.0080
		64	5320.0000	5320.0120	-0.0120
		100	5500.0000	5500.0070	-0.0070
		102	5510.0000	5510.0080	-0.0080
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0160	-0.0160



Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0080	-0.0080
		54	5270.0000	5270.0120	-0.0120
		60	5300.0000	5300.0080	-0.0080
		62	5310.0000	5310.0060	-0.0060
		64	5320.0000	5320.0070	-0.0070
Tmax (55) °C	Vmin (93.5)V	100	5500.0000	5500.0140	-0.0140
		102	5510.0000	5510.0090	-0.0090
		110	5550.0000	5550.0030	-0.0030
		116	5580.0000	5580.0040	-0.0040
		134	5670.0000	5670.0080	-0.0080
		140	5700.0000	5700.0130	-0.0130
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0880	-0.0880
		54	5270.0000	5270.0560	-0.0560
		60	5300.0000	5300.0620	-0.0620
		62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0590	-0.0590
Tmin (-20) °C	Vmax (126.5)V	100	5500.0000	5500.0710	-0.0710
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0020	-0.0020
		134	5670.0000	5670.0820	-0.0820
		140	5700.0000	5700.0640	-0.0640
Test Co	Test Conditions		Frequency (MHz)	Frequency (MHz)	△F (MHz)
		52	5260.0000	5260.0670	-0.0670
		54	5270.0000	5270.0810	-0.0810
		60	5300.0000	5300.0680	-0.0680
		62	5310.0000	5310.0740	-0.0740
		64	5320.0000	5320.0650	-0.0650
Tmin (-20) °C	Vmin (93.5)V	100	5500.0000	5500.0650	-0.0650
		102	5510.0000	5510.0680	-0.0680
		110	5550.0000	5550.0020	-0.0020
		116	5580.0000	5580.0030	-0.0030
		134	5670.0000	5670.0740	-0.0740
		140	5700.0000	5700.0680	-0.0680



Product	:	Access Point/Sensor
Test Item	:	Frequency Stability
Test Site	:	Temperature Chamber
Test Mode	:	Carrier Wave (ac) (External Antenna)

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5289.9970	0.0030
		106	5530.0000	5529.9980	0.0020
T (20) 0 C	N/ (110)N/	122	5610.0000	5609.9960	0.0040
Tnom (20) °C	Vnom (110)V	138	5690.0000	5689.9970	0.0030
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9980	0.0020
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0070	-0.0070
T (55) 90		122	5610.0000	5610.0120	-0.0120
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0160	-0.0160
		142	5710.0000	5710.0060	-0.0060
		144	5720.0000	5720.0120	-0.0120
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0060	-0.0060
Tmax (55) °C	Vmin (93.5)V	122	5610.0000	5610.0120	-0.0120
$1 \max(33) C$		138	5690.0000	5690.0130	-0.0130
		142	5710.0000	5710.0060	-0.0060
		144	5720.0000	5720.0130	-0.0130
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmax (126.5)V	58	5290.0000	5290.0580	-0.0580
		106	5530.0000	5530.0650	-0.0650
Train $(20)^{\circ}C$		122	5610.0000	5610.0680	-0.0680
Tmin (-20) °C		138	5690.0000	5690.0740	-0.0740
		142	5710.0000	5710.0720	-0.0720
		144	5720.0000	5720.0680	-0.0680
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0710	-0.0710
		106	5530.0000	5530.0820	-0.0820
Tmin (-20) °C	V_{min} (02.5) V_{c}	122	5610.0000	5610.0810	-0.0810
1 mm (-20) C	Vmin (93.5)V	138	5690.0000	5690.0680	-0.0680
		142	5710.0000	5710.0740	-0.0740
		144	5720.0000	5720.0850	-0.0850



Chain B			1		
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	riangle F (MHz)
		58	5290.0000	5289.9980	0.0020
		106	5530.0000	5529.9980	0.0020
$T_{2} = (20)^{9} C_{2}$	$\mathbf{V}_{\mathrm{max}}$ (110) $\mathbf{V}_{\mathrm{max}}$	122	5610.0000	5609.9970	0.0030
Tnom (20) °C	Vnom (110)V	138	5690.0000	5689.9960	0.0040
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9970	0.0030
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0120	-0.0120
$T_{max} (55)^{0}C$	$V_{\rm max}$ (126.5) $V_{\rm c}$	122	5610.0000	5610.0080	-0.0080
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0060	-0.0060
		142	5710.0000	5710.0110	-0.0110
		144	5720.0000	5720.0130	-0.0130
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmin (93.5)V	58	5290.0000	5290.0080	-0.0080
		106	5530.0000	5530.0120	-0.0120
$T_{max} (55)^{0}C$		122	5610.0000	5610.0080	-0.0080
Tmax (55) °C		138	5690.0000	5690.0140	-0.0140
		142	5710.0000	5710.0080	-0.0080
		144	5720.0000	5720.0150	-0.0150
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0740	-0.0740
		106	5530.0000	5530.0820	-0.0820
Tmin (-20) °C	$V_{\rm max} (126.5) V$	122	5610.0000	5610.0680	-0.0680
Tillin (-20) C	Vmax (126.5)V	138	5690.0000	5690.0720	-0.0720
		142	5710.0000	5710.0820	-0.0820
		144	5720.0000	5720.0680	-0.0680
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0580	-0.0580
		106	5530.0000	5530.0740	-0.0740
Tmin (-20) °C	Vmin (93.5)V	122	5610.0000	5610.0820	-0.0820
1 mm (-20) C	v IIIII (95.5) V	138	5690.0000	5690.0680	-0.0680
		142	5710.0000	5710.0580	-0.0580
		144	5720.0000	5720.0660	-0.0660

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5289.9990	0.0010
		106	5530.0000	5529.9980	0.0020
$T_{max}(20)^{9}C$	\mathbf{V}_{max} (110) \mathbf{V}_{max}	122	5610.0000	5609.9970	0.0030
Tnom (20) °C	Vnom (110)V	138	5690.0000	5689.9980	0.0020
		142	5710.0000	5709.9980	0.0020
		144	5720.0000	5719.9990	0.0010
Test Co	onditions	Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0120	-0.0120
		106	5530.0000	5530.0180	-0.0180
$T_{max}(55)^{0}C$	$V_{\rm max}$ (126.5) $V_{\rm c}$	122	5610.0000	5610.0120	-0.0120
Tmax (55) °C	Vmax (126.5)V	138	5690.0000	5690.0160	-0.0160
		142	5710.0000	5710.0070	-0.0070
		144	5720.0000	5720.0060	-0.0060
Test Co	Test Conditions		Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmin (93.5)V	58	5290.0000	5290.0120	-0.0120
		106	5530.0000	5530.0180	-0.0180
Tmax (55) °C		122	5610.0000	5610.0080	-0.0080
$1 \max(33) C$		138	5690.0000	5690.0120	-0.0120
		142	5710.0000	5710.0070	-0.0070
		144	5720.0000	5720.0120	-0.0120
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
	Vmax (126.5)V	58	5290.0000	5290.0660	-0.0660
		106	5530.0000	5530.0820	-0.0820
Tmin (-20) °C		122	5610.0000	5610.0620	-0.0620
1 mm (-20) C		138	5690.0000	5690.0740	-0.0740
		142	5710.0000	5710.0680	-0.0680
		144	5720.0000	5720.0660	-0.0660
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
		58	5290.0000	5290.0620	-0.0620
		106	5530.0000	5530.0770	-0.0770
Train $(20)^{\circ}C$	$V_{min} (02.5) V$	122	5610.0000	5610.0820	-0.0820
Tmin (-20) °C	Vmin (93.5)V	138	5690.0000	5690.0650	-0.0650
		142	5710.0000	5710.0740	-0.0740
		144	5720.0000	5720.0820	-0.0820

Chain C



8. EMI Reduction Method During Compliance Testing

No modification was made during testing.



Attachment 1: EUT Test Photographs



Attachment 2: EUT Detailed Photographs