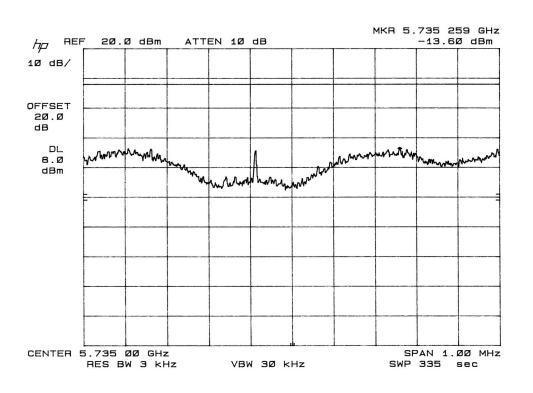
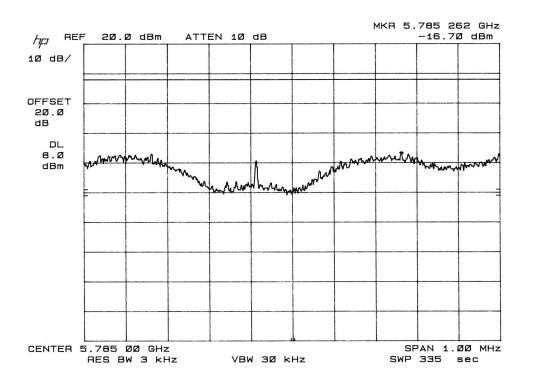


		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	35, 2, 3.	1 cai	reak rower spectral Density				
DNB Job Number:	58042	8042 Date: 31 Mar 2005							
Customer:	3e Technolog	Be Technologies Inc							
Model Number:	NL5354MP+	IL5354MP+ Aires2 Serial Number: Proto							
Description:	Wireless Acc	Vireless Access Point							
	801.11a	801.11a							
		Е	nvironmental Condition	ons	_				
Ambient Temp	erature		Relative Humidity		Baron	netric Pressure			
23 °C			27 %		1	02.4 kPa			
EUT performed within	es Payne								
Channel	Channel Chl Freq (MHz) 3kHz BW (MHz) Limit in dBm								
Lo	5735		-13.60		8.0	Pass			



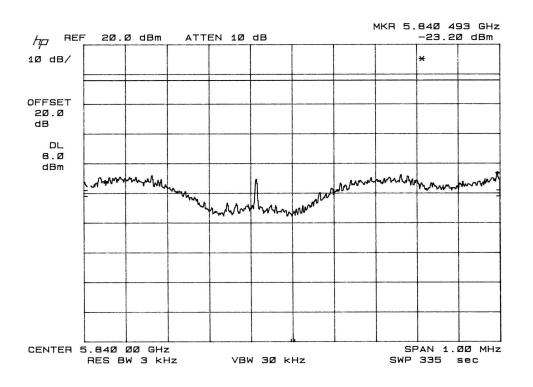


		1 car i owei b							
DNB Job Number:	58042	58042 Date: 31 Mar 2005							
Customer:	3e Technologi	3e Technologies Inc							
Model Number:	NL5354MP+	NL5354MP+ Aires2 Serial Number: Proto							
Description:	Wireless Acce	Wireless Access Point							
	801.11a	01.11a							
		Е	nvironmental Conditi	ons					
Ambient Tempe	erature		Relative Humidity		Baron	netric Pressure			
23 °C			27 %		1	02.4 kPa			
EUT performed within	the requirements	of th	e applicable standard	[X] Y	es [] No Le	es Payne			
Channel	Chl Freq (MH	z)	imit in dBm	Pass/Fail					
Mid	5785		-16.7		8.0	Pass			



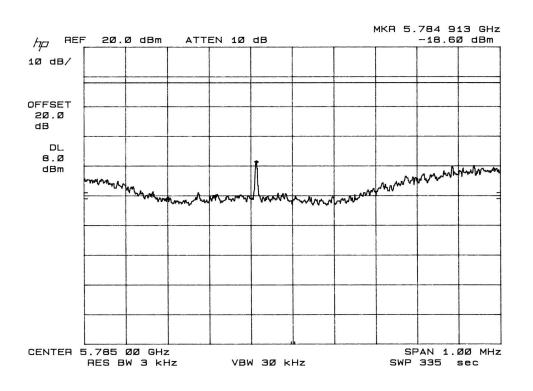


		(/		Teak Tower Spectral Delis				
DNB Job Number:	58042		31 Mar 2005	Conformance				
Customer:	3e Technolo	gies In		Standard				
Model Number:	NL5354MP	+ Aires	FCC Part 15					
Description:	Wireless Ac	Wireless Access Point						
	801.11a	801.11a						
		Е	nvironmental Conditi	ons				
Ambient Temp	erature		Relative Humidity		Baron	netric Pressure		
23 °C			27 %		102.4 kPa			
EUT performed within	EUT performed within the requirements of the applicable standard [X] Yes [] No Les							
Channel	Chl Freq (M	Hz)	3kHz BW (MHz)	L	imit in dBm	Pass/Fail		
Hi	5840		-23.20		8.0	Pass		





	1 112	()31)	1037-2704	Peak	Peak Power Spectral Density				
DNB Job Number:	58042	Date: 31 Mar 2005							
Customer:	3e Technolo	3e Technologies Inc							
Model Number:	NL5354MP-	NL5354MP+ Aires2 Serial Number: Proto							
Description:	Wireless Ac	Wireless Access Point							
	801.11a)1.11a							
		Е	nvironmental Condition	ons					
Ambient Temp	erature		Relative Humidity		Barom	netric Pressure			
23 °C			27 %		1	02.4 kPa			
EUT performed within	UT performed within the requirements of the applicable standard [X] Yes [] No Les								
Channel	Chl Freq (M	Chl Freq (MHz) 3kHz BW (MHz) Limit in dBm							
Mid (Turbo)	5785		-18.60		8.0	Pass			



15.407 (a) 26 dB Emission Bandwidth

Test Procedure:

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 26 dB bandwidth, centered on

frequency

RBW = approximately 1% of the emission bandwidth

VBW > RBW Sweep = auto Detector function = peak

Trace = Do not use the Max Hold function. Rather, use the view button to

capture the emission.

Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 26 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 26 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation.

EUT operating conditions:

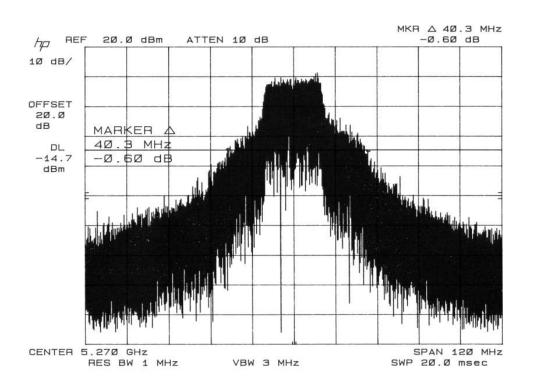
The software provided by the client to enable the EUT to transmit continuously at the low, mid, and upper channels respectively.

Test Set Up: Same as 15.247 6 db bandwidth



26 dB Emission Bandwidth

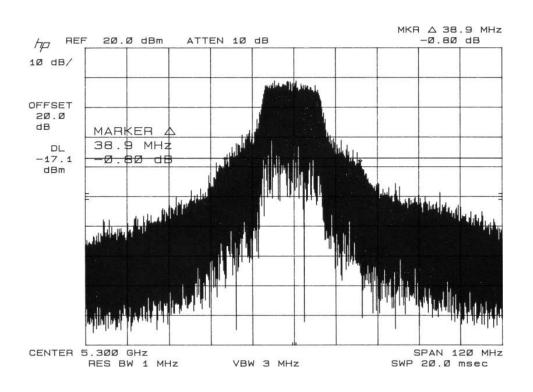
		1, 05, 2, 0.	20 ud Emission Danuwium						
DNB Job Number:	58042		15 Mar 2005	Conformance Standard					
Customer:	3e Technologies 1	3e Technologies Inc							
Model Number:	NL5354MP+ Air	NL5354MP+ Aires2 Serial Number: Proto							
Description:	Wireless Access I	Vireless Access Point							
	801.11a	01.11a							
		Environmental Condition	ons						
Ambient Temp	erature	Relative Humidity		Barom	netric Pressure				
22 °C		54 %		1	01.8 kPa				
EUT performed within	es Payne								
Band	Band Channel Chl Freq (MHz) 26dB BW (MHz)								
1	Low	5270		40.3	Pass				





26 dB Emission Bandwidth

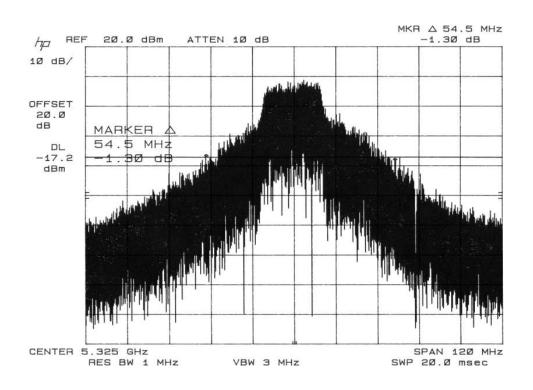
	`	20 GD Linissic								
DNB Job Number:	58042	58042 Date: 15 Mar 2005								
Customer:	3e Technologies	3e Technologies Inc								
Model Number:	NL5354MP+ Ai	NL5354MP+ Aires2 Serial Number: Proto								
Description:	Wireless Access	Wireless Access Point								
	801.11a	801.11a								
		Environmental Condit	ions							
Ambient Temp	erature	Relative Humidity		Baron	netric Pressure					
22 °C		54 %		1	01.8 kPa					
EUT performed within	n the requirements o	f the applicable standard	[X] Ye	es [] No Le	es Payne					
Band	Channel	Chl Freq (MHz)	26dF	B BW (MHz)	Pass/Fail					
1	Middle	5300		38.9	Pass					





26 dB Emission Bandwidth

	17171 ()	31) 037 2701	20 ub Emission Danuwiuth					
DNB Job Number:	58042	58042 Date: 15 Mar 2005						
Customer:	3e Technologies	3e Technologies Inc						
Model Number:	NL5354MP+ Ai	NL5354MP+ Aires2 Serial Number: Proto						
Description:	Wireless Access	Wireless Access Point						
	801.11a	801.11a						
		Environmental Condi	tions					
Ambient Temp	erature	Relative Humidit	y	Baron	netric Pressure			
22 °C		54 %		1	01.8 kPa			
EUT performed within	rmed within the requirements of the applicable standard [X] Yes [] No Le.							
Band	Channel	Chl Freq (MHz)	B BW (MHz)	Pass/Fail				
1	High	5325		54.5	Pass			



15.407 (a) Peak Transmit Power (Conducted)

EBW > largest available RBW, use Method #3--video averaging with max hold--and sum power across the band.

Test Procedure: Method 3 was used.

Set span to encompass the entire emission bandwidth (EBW) of the signal.

Set sweep trigger to "free run".

Set RBW = 1 MHz. Set VBW 1/T (transmission pulse duration over which the transmitter is on and transmitting at its maximum power control level.)

Use linear display mode.

Use sample detector mode if bin width (i.e., span/number of points in spectrum) < 0.5 RBW. Otherwise use peak detector mode.

Set max hold.

Allow max hold to run for 60 seconds.

A correction factor of 10 log(EBW/1 MHz) was applied to the spectral peak of the emission.

Antenna for this device is 8dBi gain, therefore peak transmit power shall be reduced by 2dB.

Requirements: For the 5.25-5.35 GHz band, the peak transmit power over the frequency

bands of operation shall not exceed the lesser of 250 mW or 11 dBm +

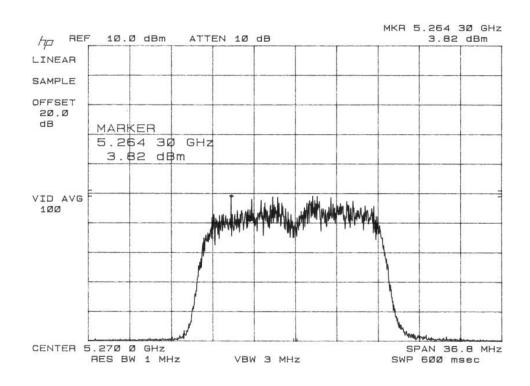
10log B, where B is the 26 dB emission bandwidth in megahertz.

Test Set Up: Same as 15.247 6 db bandwidth



Peak Transmit Power

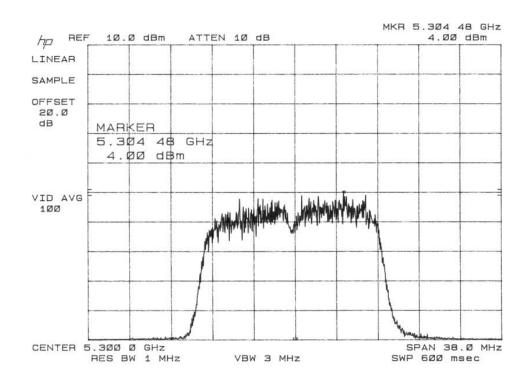
Ibon			FAX (951) 637-270	4	P	eak Tra	nsmit Po	mit Power		
DNB Jo	b Number:	58042			Dat	e:	15 Feb 200		ormance		
Custome	er:	3e Teo	chnologies Ir	ıc				Standard			
Model N	lumber:	NL535	54MP+ Aire	s2	Ser	ial Nu	ımber: Pro	to FCC Part 15			
Descript	ion:	Wirele	ess Access P	oint				Clause			
		801.11	l a					15.407(a)			
			I	Environmen	ital Conditions						
A	mbient Ten	nperature		Relative	Humidity		Ва	rometric Pres	ometric Pressure		
	22 °C	C		5	4 %			101.8 kPa	101.8 kPa		
EUT per	formed wit	hin the requi	rements of th	ne applicab	le standard [2	X] Ye	s [] No	Les Payne			
Freq	EBW	S/A	10Log	Peak	Limit (-2dI	3 for a	antenna)				
in MHz	in MHz	Reading (dBm)	(EBW) (dB)	Power dBm	250mW	11dBm+ 10Log(EBW)		Delta	Pass / Fail		
5270	40.3	3.82	16.1	19.92	22		25.1	-2.08	Pass		





Peak Transmit Power

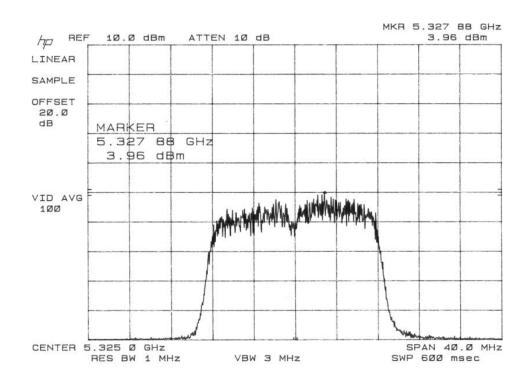
Line .			FAX (931	.) 037-270	4	-	Peak Trai	nsmit Pov	wer		
DNB Jol	Number:	58042				Date:	15 Feb 200				
Custome	r:	3e Teo	hnologies I	nc				Standard			
Model N	umber:	NL535	54MP+ Aire	s2		Serial N	Number: Pro	to FCC	Part 15		
Descript	ion:	Wirele	ess Access P	oint				Clause			
		801.11	a					15.407(a)			
]	Environmer	ntal Conditio	ons					
A	mbient Ter	nperature		Relative	Humidity		Ва	rometric Pres	sure		
	22 °C	C		5	4 %			101.8 kPa	101.8 kPa		
EUT per	formed wit	hin the requi	rements of the	he applicab	le standard	[X] Y	es []No	Les Payne			
Freq	EBW	S/A	10Log	Peak	Limit (-	2dB for	r antenna)				
in MHz	in MHz	Reading (dBm)	(EBW) (dB)	Power dBm	250mW	10	11dBm+ 0Log(EBW)	Delta	Pass / Fail		
5300	38.9	4.00	15.9	19.9	22		24.9	-2.1	Pass		





Peak Transmit Power

Line .			FAX (931) 037-270	4	ı	Peak Trai	nsmit Pov	wer		
DNB Jo	b Number:	58042			Г	Date:	15 Feb 200		ormance		
Custome	er:	3e Teo	chnologies Ir	ıc				Standard			
Model N	lumber:	NL535	54MP+ Aire	s2	S	Serial N	umber: Pro	o FCC Part 15			
Descript	ion:	Wirele	ess Access P	oint				Clause			
		801.11	la					15.407(a)			
Environmental Conditions											
A	mbient Ten	nperature		Relative	Humidity		Ва	rometric Pres	metric Pressure		
	22 °C	C		5	4 %			101.8 kPa	101.8 kPa		
EUT per	formed wit	hin the requi	rements of th	he applicab	le standard	[X] Y	es []No	Les Payne			
Freq	EBW	S/A	10Log	Peak	Limit (-2	2dB for	antenna)				
in MHz	in MHz	Reading (dBm)	(EBW) (dB)	Power dBm	250mW	W 11dBm+ 10Log(EBW)		Delta	Pass / Fail		
5325	54.5	3.96	17.4	21.36	22		26.4	-0.64	Pass		



15.407 (a)(5) Peak Power Spectral Density

Use the following spectrum analyzer settings:

Span = 1MHz

RBW = 1Mhz When the emission bandwidth is less than 1 MHz, use a

measurement bandwidth equal to the emission bandwidth,

in accordance with Section 15.407(a)5.

VBW > 1Mhz Sweep = auto Detector function = peak Trace = max hold

Center Frequency = On low, mid, and hi channels respectively

Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak power spectral density.

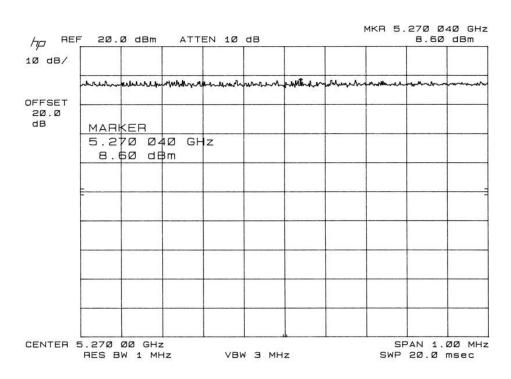
Antenna for this device is 8dBi gain, therefore peak power spectral density shall be reduced by 2dB.

Requirement: For the 5.25-5.35 GHz band, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band.

Test Set Up: Same as 15.247 (a,2)6 dB Emission Bandwidth

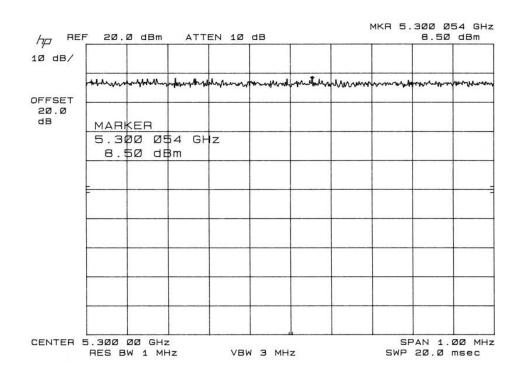


		1 cak i owei spec							Density	
DNB Job Num	ber:	58042		eb 2005						
Customer:		3e Tecl	hnologies Inc					Standard		
Model Number	:	NL5354MP+ Aires2 Serial Number: Proto							FCC Part 15	
Description:		Wirele	ss Access Point		Clause 15.407(a)					
			Envi	ronmental Condi	tions					
Ambien	t Tempera	ature	F	Relative Humidity	y		Barome	metric Pressure		
	22 °C			54 %			10	101.8 kPa		
EUT performed	d within tl	ne requir	ements of the ap	oplicable standar	d [X] Ye	s [] No Les	Payn	e	
Band	Chan	nel	Chl Freq (MHz)	PPSD	Corrected Limit in dBm Delta				Pass/Fail	
1	Lov	W	5270	8.6	9.0		-0.4		Pass	



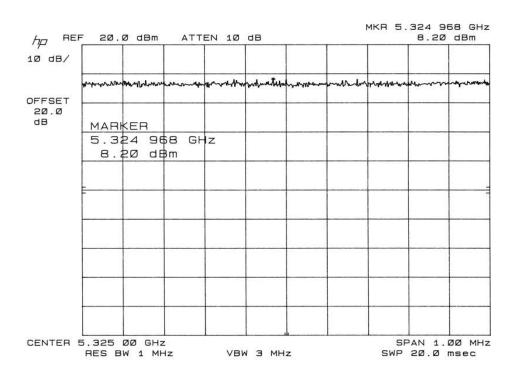


			cuai	Density						
DNB Job Num	ber:	58042		5 Feb 2005		onformance				
Customer:		3e Teo	chnologies Inc			Standard				
Model Number	:	NL535	54MP+ Aires2	per: Proto	FCC Part 15					
Description:		Wirele	ess Access Point	Access Point						
Environmental Conditions										
Ambien	t Tempera	ature	F	Relative Humidit	y	Barome	metric Pressure			
	22 °C			54 %		10)1.8 kF	Pa		
EUT performed	d within t	he requi	rements of the a	oplicable standar	d [X] Yes	[] No Les	s Payn	e		
Band	Chan	inel	Chl Freq (MHz)	PPSD Corrected Limit in dBm Delta				Pass/Fail		
1	Mid	dle	5300	8.5	9.0	-0.5		Pass		





		1 cak I ower spe				ver spec	ıı a	Density	
DNB Job Num	ber:	58042 Date: 15 Feb 2005							onformance
Customer:		3e Techno	ologies Inc					1	Standard
Model Number	:	NL5354MP+ Aires2 Serial Number: Proto					: Proto	F	CC Part 15
Description:		Wireless Access Point							Clause 15.407(a)
			Envi	ronmental Condi	tions				
Ambien	t Tempera	ture	F	Relative Humidity	y		Barome	netric Pressure	
	22 °C			54 %			10	1.8 kl	Pa
EUT performed	d within th	e requirem	nents of the ap	pplicable standar	d [X] Y	es [] No Les	Payn	e
Band	Chanr	nel	Chl Freq (MHz)	PPSD	Corrected Limit in dBm		Delta		Pass/Fail
1	High	h	5325	8.2 9.0		-0.8		Pass	



15.407 (a)(6) Peak Excursion

Use the following spectrum analyzer settings:

Span = 2 to 3 times the emissions bandwidth

RBW = 1 MHz

VBW = For Trace A 3 MHz

For Trace B 300 kHz

Sweep = auto
Detector function = peak
Trace = max hold

Allow the Trace A to stabilize. Place Trace a in view mode. Allow Trace B to stabilize. Place Trace B into view mode. Use the marker delta feature to determine the maximum amplitude difference between Trace A and Trace B.

Requirement: The maximum peak excursion shall not exceed 13dB.

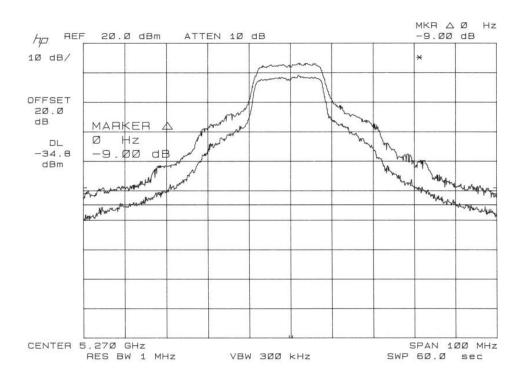
Test Set Up: Same as 15.257 6 dB Emission Bandwidth



Peak Excursion

DNB Job Number:	58042	58042 Date: 15 Feb 2005					
Customer:	3e Technolog	3e Technologies Inc					
Model Number:	NL5354MP+	NL5354MP+ Aires2 Serial Number: Proto					
Description:	ption: Wireless Access Point						
		Environmental Condit	ions				
Ambient Temp	Ambient Temperature Relative Humidity Barome						
22 °C 54 % 10				01.8 kPa			
EUT performed withi	n the requirement	s of the applicable standard	[X] Y	es []No Le	s Payne		

Feeteness where the effective and affective first firs									
Band	Channel	Chl Freq (MHz)	Peak Excursion	Limit in dB	Delta	Pass/Fail			
1	Low	52700	9.0	13.0	-4.0	Pass			

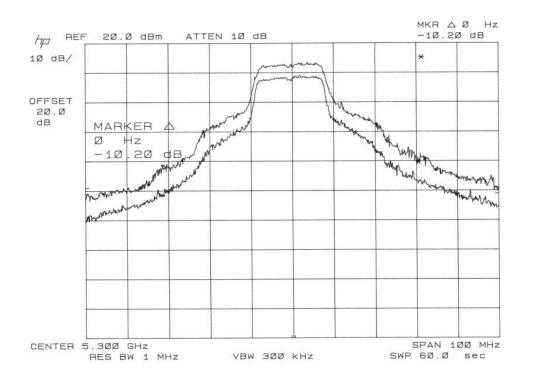




Peak Excursion

DNB Job Number:	58042	58042 Date: 15 Feb 2005					
Customer:	3e Technolog	3e Technologies Inc					
Model Number:	NL5354MP+	NL5354MP+ Aires2 Serial Number: Proto					
Description:	Wireless Access Point						
		Environmental Condit	tions				
Ambient Temp	Ambient Temperature Relative Humidity Barome				etric Pressure		
22 °C 54 % 1				01.8 kPa			
EUT performed within	n the requirement	s of the applicable standard	i [X] Y	es [] No Le	s Payne		

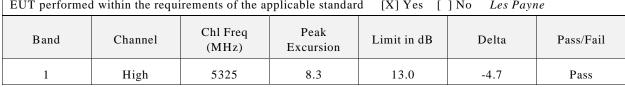
Band	Channel	Chl Freq (MHz)	Peak Excursion	Limit in dB	Delta	Pass/Fail			
1	Middle	5300	10.2	13.0	2.8	Pass			

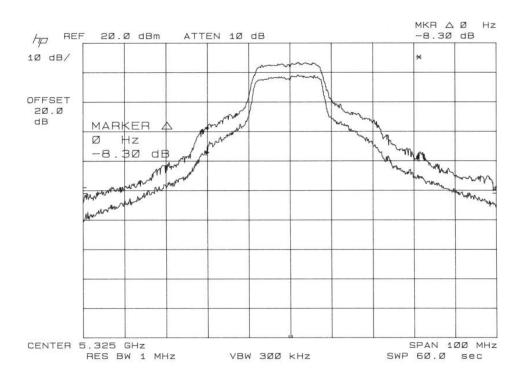




Peak Excursion

DNB Job Number:	58042	58042 Date: 15 Feb 2005					
Customer:	3e Technolo	3e Technologies Inc					
Model Number:	NL5354MP	FCC Part 15					
Description:	Wireless Ac	Clause 15.407(a)(6)					
		Environmental Condit	tions	_			
Ambient Tempe	Ambient Temperature Relative Humidity Barom						
22 °C 54 %					01.8 kPa		
EUT performed within	the requiremen	its of the applicable standard	1 [X] Y	es [] No Le	s Pavne		





15.407 (b)(1) Conducted Band Edge Measurements

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the emission operating on

the channel closest to the bandedge, as well as any modulation products which fall outside of the authorized band of operation

RBW 1% of the span

VBW > RBW
Sweep = auto
Detector function = peak
Trace = max hold

Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission.

Requirement: The maximum out-of-band emissions shall not exceed an

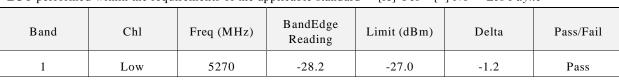
EIRP of -27dBm/MHz

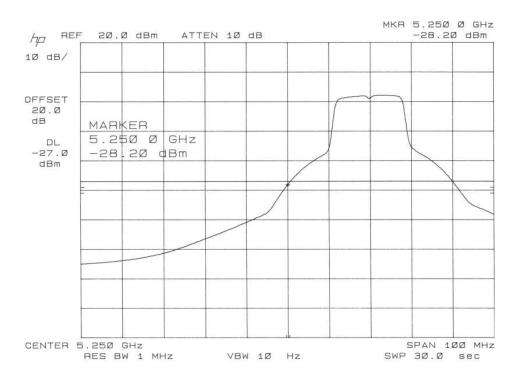
Test Set Up: Same as 15.247 6 dB Emission Bandwidth



Band Edge Measurements

DNB Job Number:	58042	58042 Date: 15 Feb 2005				
Customer:	3e Technolo	3e Technologies Inc				
Model Number:	NL5354MP	NL5354MP+ Aires2 Serial Number: Proto				
Description:	Wireless Ac	Clause 15.407(b)(1)				
1	801.11a	801.11a				
		Environmental Condi	tions			
Ambient Tempe	rature	Relative Humidit	y	Barom	etric Pressure	
22 °C 54 % 10					01.8 kPa	
EUT performed within	s Payne					



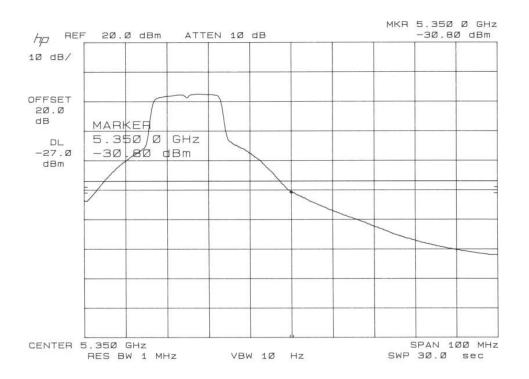




Band Edge Measurements

DNB Job Number:	58042	58042 Date: 15 Feb 2005					
Customer:	3e Technolo	ogies Inc		Standard			
Model Number:	NL5354MP	NL5354MP+ Aires2 Serial Number: Proto					
Description:	Wireless Ac	Wireless Access Point					
	801.11a	801.11a					
		Environmental Condit	ions				
Ambient Tempe	Ambient Temperature Relative Humidity Barom						
22 °C 54 % 1					01.8 kPa		
EUT performed within	EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne						

201 performed within the requirements of the appreciate standard [11] 103 [1] 100 Zes Tuyne									
Band	Chl	Freq (MHz)	BandEdge Reading	Limit (dBm)	Delta	Pass/Fail			
1	High	5325	-30.80	-27.0	-3.8	Pass			



15.407 (b)(1) Spurious RF Conducted Emissions

Use the following spectrum analyzer settings:

RBW = 100 kHz
VBW RBW
Sweep = auto
Detector function = peak
Trace = max hold

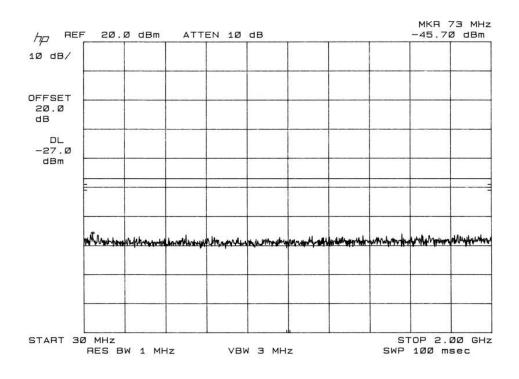
Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.

Requirement: The maximum out-of-band emissions shall not exceed -27dBm EIRP

Test Set Up: Same as 15.247 6 dB Emission Bandwidth

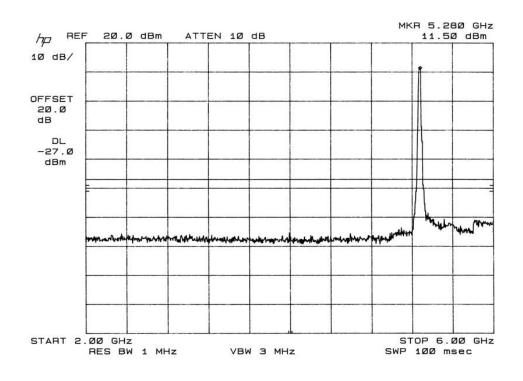


		Spurious III					
DNB Job Number	: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Technol	ogies Inc			Standard		
Model Number:	NL5354MI	P+ Aires2	ımber: Proto	FCC Part 15			
Description:	Wireless A	ccess Point		Clause 15.407(b)(1)			
	801.11a	801.11a					
Environmental Conditions							
Ambient Te	emperature	Relative	Humidity	Barome	netric Pressure		
22	°C	54	%	103	1.8 kPa		
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les	Payne		
Band	Channel	Freq in MHz Spurious over -27dBm EIRP			Pass/Fall		
1	Low	5270	N	Го	Pass		



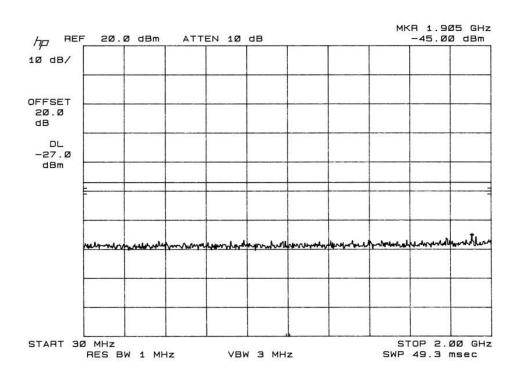


			o P	ullous IXI C	onaucica		
DNB Job Number	: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Technol	ogies Inc			Standard		
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto					
Description:	Wireless A	ccess Point		Clause 15.407(b)(1)			
	801.11a	801.11a					
		Environment	al Conditions				
Ambient T	emperature	Relative	Humidity	Barometr	netric Pressure		
22	°C	54	%	101.	8 kPa		
EUT performed w	ithin the requireme	ents of the applicable	standard [X] Ye	es [] No Les P	ayne		
Band	Channel	Freq in MHz	req in MHz Spurious over -27dBm EIRP				
1	Low	5270	N	Го	Pass		



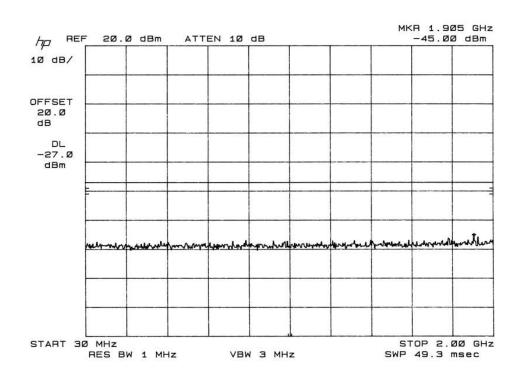


		Spurious III					
DNB Job Number	: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Technol	ogies Inc			Standard		
Model Number:	NL5354MI	P+ Aires2	ımber: Proto	FCC Part 15			
Description:	Wireless A	ccess Point		Clause 15.407(b)(1)			
	801.11a	801.11a					
Environmental Conditions							
Ambient Te	emperature	Relative	Humidity	Barome	netric Pressure		
22	°C	54	%	103	1.8 kPa		
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les	Payne		
Band	Channel	Freq in MHz Spurious over -27dBm EIRP			Pass/Fall		
1	Low	5270	N	Го	Pass		



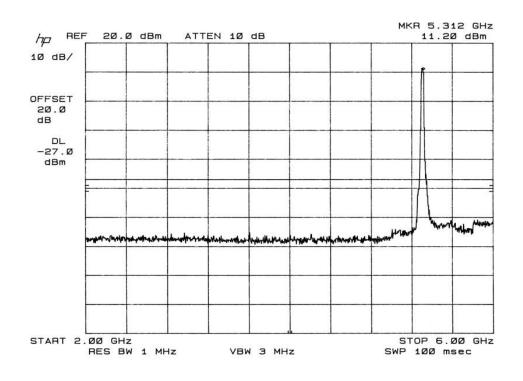


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DNB Job Number	: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Technol	3e Technologies Inc					
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto					
Description:	Wireless A	Wireless Access Point					
	801.11a	801.11a					
		Environment	al Conditions				
Ambient Temperature Relative Humidity Baron					metric Pressure		
22	°C	54	%	101.8 kPa			
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall		
1	Middle	5300	No		Pass		



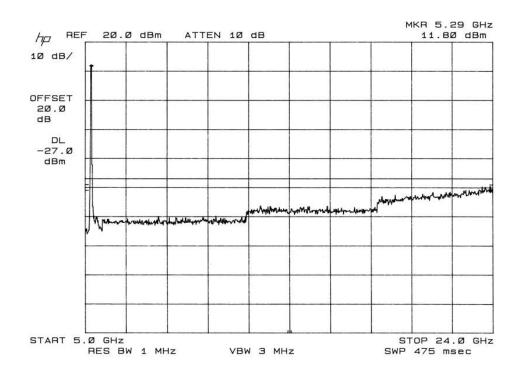


			S P	unious iti C	onaucica		
DNB Job Number	: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Technol	3e Technologies Inc					
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto			FCC Part 15		
Description:	Wireless A	Wireless Access Point					
	801.11a	801.11a					
		Environment	al Conditions				
Ambient Temperature Relative Humidity				Barometr	metric Pressure		
22	°C	54	%	101.8 kPa			
EUT performed w	ithin the requireme	ents of the applicable	e standard [X] Ye	es [] No Les P	ayne ayne		
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall		
1	Middle	5300	No		Pass		



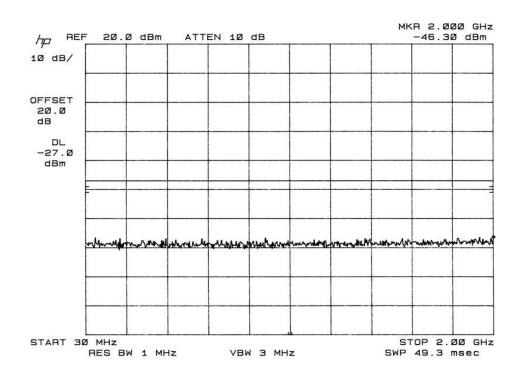


			S P	unious Ki C	onaucteu	
DNB Job Number	: 58042		Date:	15 Feb 2005	Conformance Standard	
Customer:	3e Technol	3e Technologies Inc				
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto			FCC Part 15	
Description:	Wireless A	Wireless Access Point 801.11a				
	801.11a					
		Environment	al Conditions			
Ambient Temperature Relative Humidity Bard				Barometr	metric Pressure	
22	°C	54	%	101.8 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne						
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall	
1	Middle	5300	No		Pass	



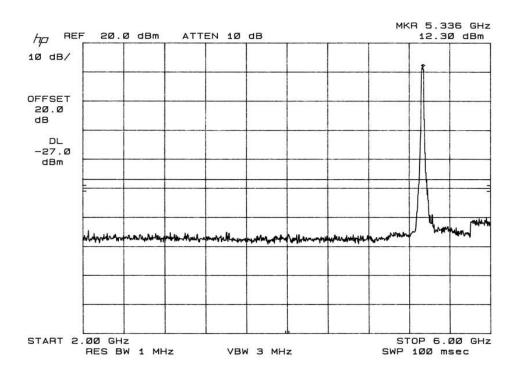


			o P	urious Kr	onaucica		
DNB Job Number	: 58042	58042 Date: 15 Feb 2005			Conformance Standard		
Customer:	3e Technol	3e Technologies Inc					
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto			FCC Part 15		
Description:	Wireless A	Wireless Access Point					
	801.11a	801.11a					
		Environment	al Conditions				
Ambient Temperature Relative Humidity			Humidity	Barometric Pressure			
22	°C	54	%	101.8 kPa			
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	s [] No Les P	ayne ayne		
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall		
1	High	5325	No		Pass		



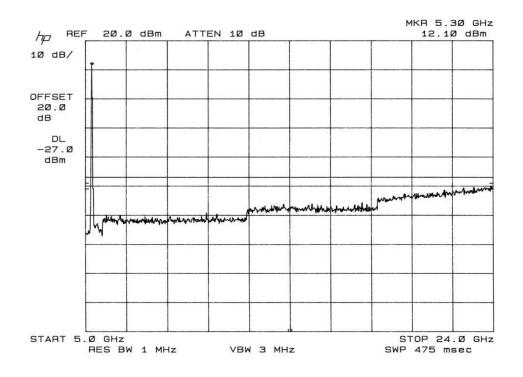


			o P	urious Kr	onaucica		
DNB Job Number	: 58042	58042 Date: 15 Feb 2005			Conformance Standard		
Customer:	3e Technol	3e Technologies Inc					
Model Number:	NL5354MI	NL5354MP+ Aires2 Serial Number: Proto			FCC Part 15		
Description:	Wireless A	Wireless Access Point					
	801.11a	801.11a					
		Environment	al Conditions				
Ambient Temperature Relative Humidity			Humidity	Barometric Pressure			
22	°C	54	%	101.8 kPa			
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	s [] No Les P	ayne ayne		
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall		
1	High	5325	No		Pass		





		(= - ,	Sp	Spurious Kr Conducted			
DNB Job Number	:: 58042	58042 Date: 15 Feb 2005					
Customer:	3e Techno	3e Technologies Inc					
Model Number:	NL5354M	NL5354MP+ Aires2 Serial Number: Proto					
Description:	Wireless A	Wireless Access Point					
	801.11a	801.11a					
		Environment	al Conditions				
Ambient Temperature Relative Humidity			Humidity	Barometric Pressure			
22	°C	54	% 101.8 kPa		8 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Band	Channel	Freq in MHz	Spurious over -27dBm EIRP		Pass/Fall		
1	High	5325	No		Pass		



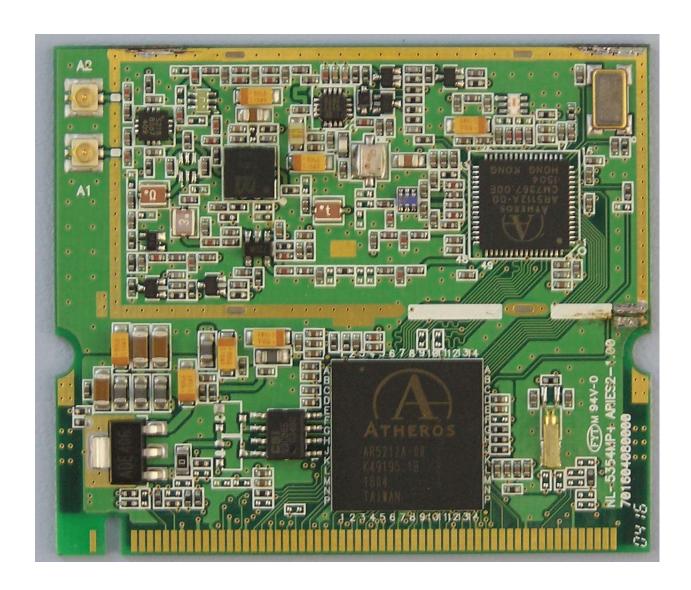
2.1033 (b) (7) Equipment Photographs

Photo 1 WLAN Card Top

Photo 2 WLAN Card TOP without shield

Photo 3 WLAN Card Bottom







15.247 (b)(5)

RF Exposure – MPE Calculations (2412-2462 MHz Band)

Transmitter Power: 120 mW

Antenna Gain: 14 dB (Directional)

Cable loss: 3 dB

Frequency range: 2412 - 2462 MHz

Assumptions

- 1. A single ¼ wavelength radiating antenna is assumed.
- 2. Closest exposure distance is assumed to be 20 cm

Calculations

The following results shall be assumed to be accurate for the far-field only. These predictions will over-estimate power density in the near-field. Based on the use of a ¼ wavelength radiator, a distance of 20 cm is considered to be in the far-field for all cases.

 $S = PG/4*PI*R^2$

P is 120 mW G is 11 dB (Antenna gain – loss) or 10^(11/10) or 12.59 R is 20 cm

 $S = 0.301 \text{ mW/cm}^2$

For Occupational/Controlled Exposure

From 1,500 to 100,000 MHz, power density limit is 5 mW/cm² for 6 minutes

For General Population/Uncontrolled Exposure

From 1,500 to 100,000 MHz, power density limit is 1 mW/cm² for 30 minutes

Conclusion: *Meets MPE limits*

RF Exposure – MPE Calculations (5270-5840 MHz Band)

Transmitter Power: 100 mW

Antenna Gain: 8 dB

Cable loss: 6 dB

Frequency range: 5270 - 5840 MHz

Assumptions

- 1. A single ¼ wavelength radiating antenna is assumed.
- 2. Closest exposure distance is assumed to be 20 cm

Calculations

The following results shall be assumed to be accurate for the far-field only. These predictions will over-estimate power density in the near-field. Based on the use of a ¹/₄ wavelength radiator, a distance of 20 cm is considered to be in the far-field for all cases.

 $S = PG/4*PI*R^2$

P is 100 mW

G is 2 dB (Antenna gain – loss) or $10^{(0/10)}$ or 1.00

R is 20 cm

 $S = 0.025 \text{ mW/cm}^2$

For Occupational/Controlled Exposure

From 1,500 to 100,000 MHz, power density limit is 5 mW/cm² for 6 minutes

For General Population/Uncontrolled Exposure

From 1,500 to 100,000 MHz, power density limit is 1 mW/cm² for 30 minutes

Conclusion: *Meets MPE limits*

RF Exposure – MPE Requirements to be added to OEM Installation instructions:

The following statement should be added to the bottom of the Grant of Equipment Authorization.

Modular Approval. Power Output listed is conducted. Approval is limited to OEM installation only. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. OEM integrators must be provided with antenna installation instructions and has to ensure the installation procedures comply with 15.407(d) integral antenna requirement which prevent the end user to access the transmitter module after the installation. OEM integrators and end-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance.

End of Report