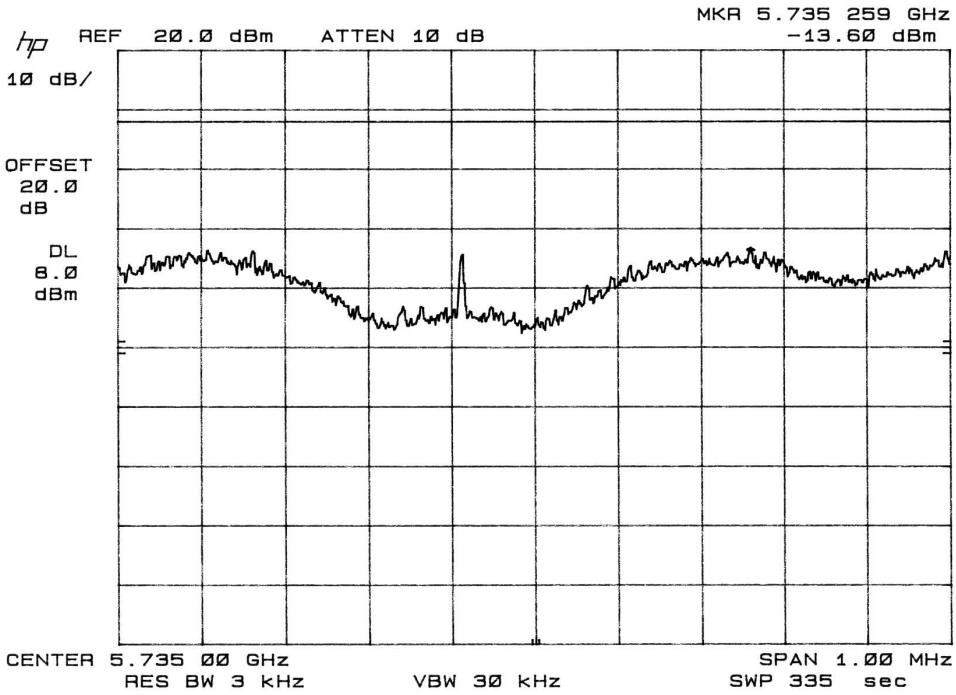
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**	
DNB Job Number:	58042	Date: 31 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.247(d)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	27 %	102.4 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Channel	Chl Freq (MHz)	3kHz BW (MHz)	Limit in dBm	Pass/Fail
Lo	5735	-13.60	8.0	Pass

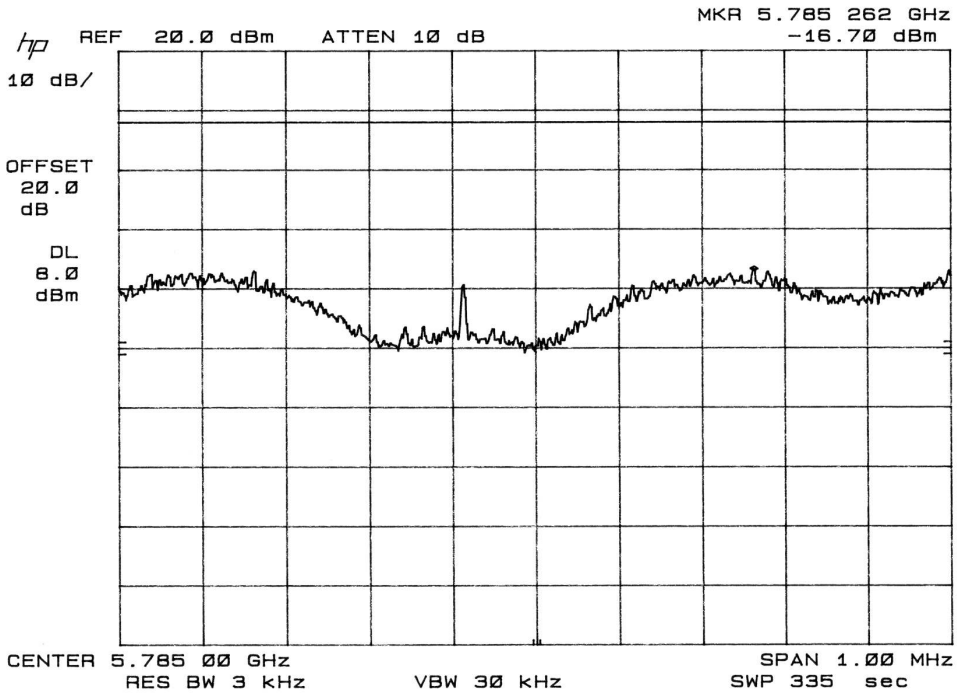


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**	
DNB Job Number:	58042	Date: 31 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.247(d)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	27 %	102.4 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Channel	Chl Freq (MHz)	3kHz BW (MHz)	Limit in dBm	Pass/Fail
Mid	5785	-16.7	8.0	Pass



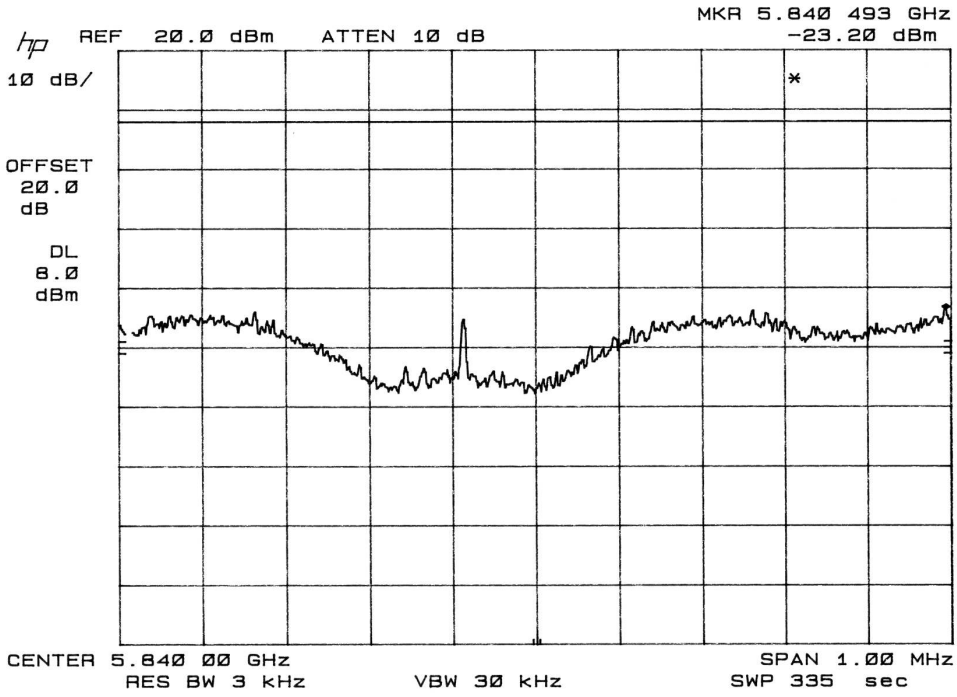
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**

DNB Job Number:	58042	Date: 31 Mar 2005	**Conformance Standard**
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	FCC Part 15
Description:	Wireless Access Point		**Clause** 15.247(d)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	27 %	102.4 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Channel	Chl Freq (MHz)	3kHz BW (MHz)	Limit in dBm	Pass/Fail
Hi	5840	-23.20	8.0	Pass

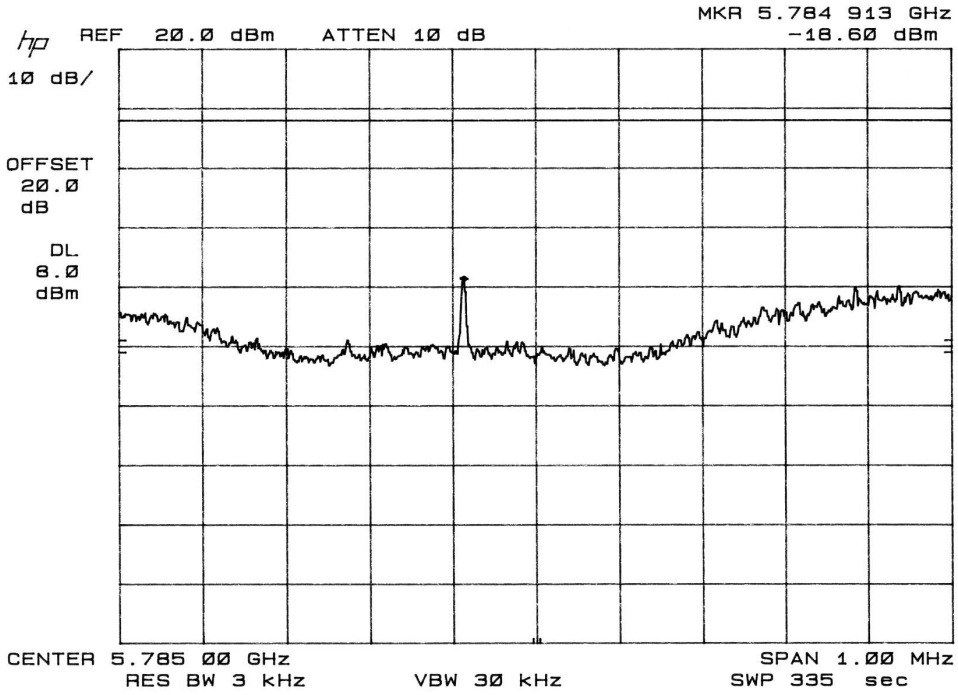


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**	
DNB Job Number:	58042	Date: 31 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.247(d)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	27 %	102.4 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Channel	Chl Freq (MHz)	3kHz BW (MHz)	Limit in dBm	Pass/Fail
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.

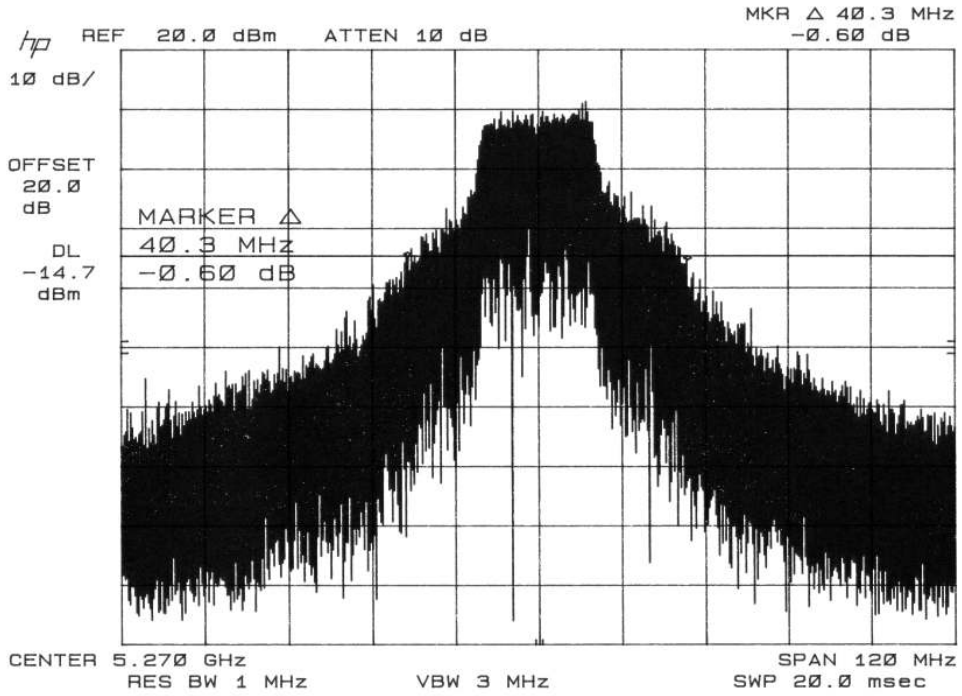
Test Set Up: Same as 15.247 6 db bandwidth

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**26 dB Emission Bandwidth**	
DNB Job Number:	58042	Date: 15 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	26dB BW (MHz)	Pass/Fail
1	Low	5270	40.3	Pass



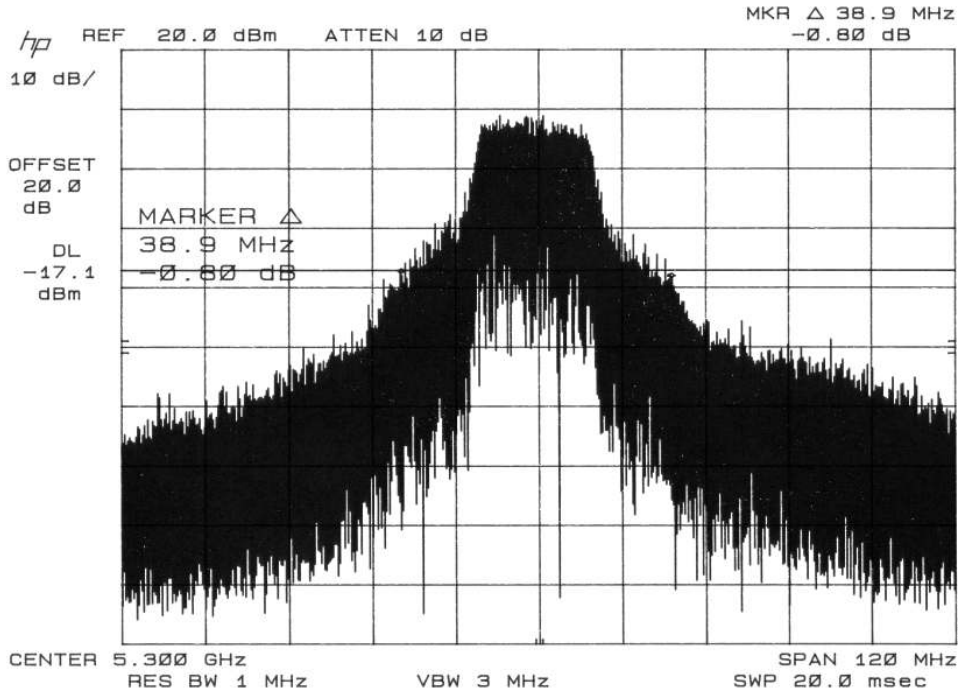
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**26 dB Emission Bandwidth**

DNB Job Number:	58042	Date: 15 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	26dB BW (MHz)	Pass/Fail
1	Middle	5300	38.9	Pass

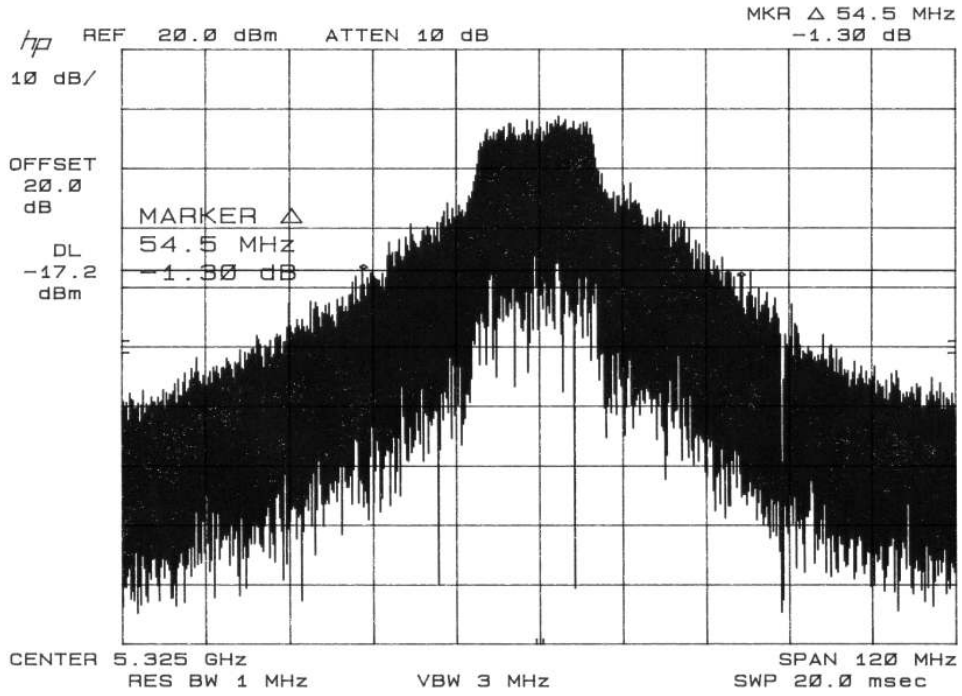


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**26 dB Emission Bandwidth**	
DNB Job Number:	58042	Date: 15 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	26dB 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.

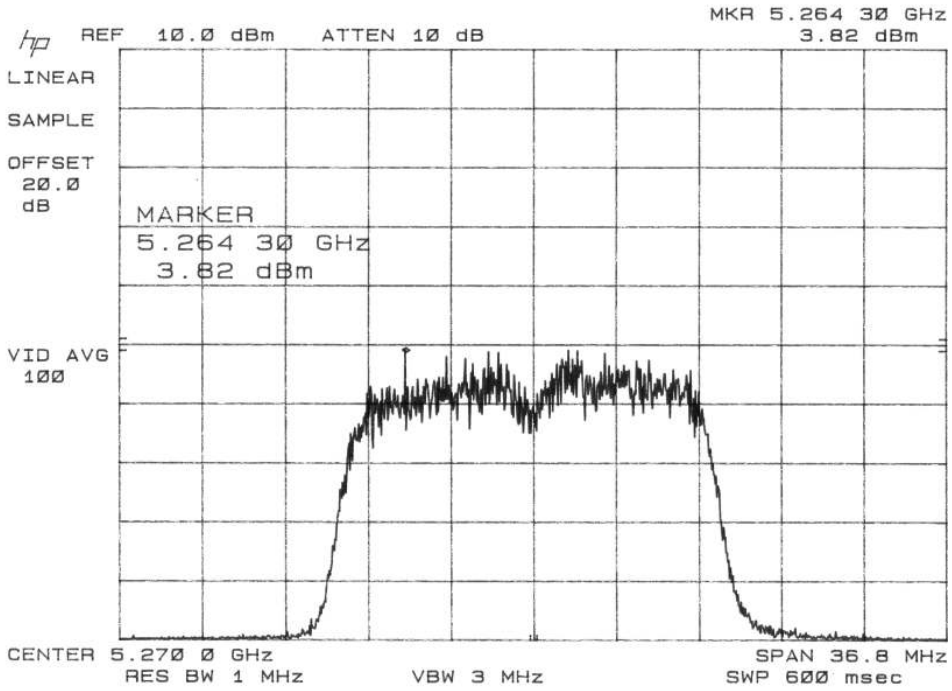
Test Set Up: Same as 15.247 6 db bandwidth

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Transmit Power**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Freq in MHz	EBW in MHz	S/A Reading (dBm)	10Log (EBW) (dB)	Peak Power dBm	Limit (-2dB for antenna)		Delta	Pass / Fail
					250mW	11dBm+ 10Log(EBW)		
5270	40.3	3.82	16.1	19.92	22	25.1	-2.08	Pass

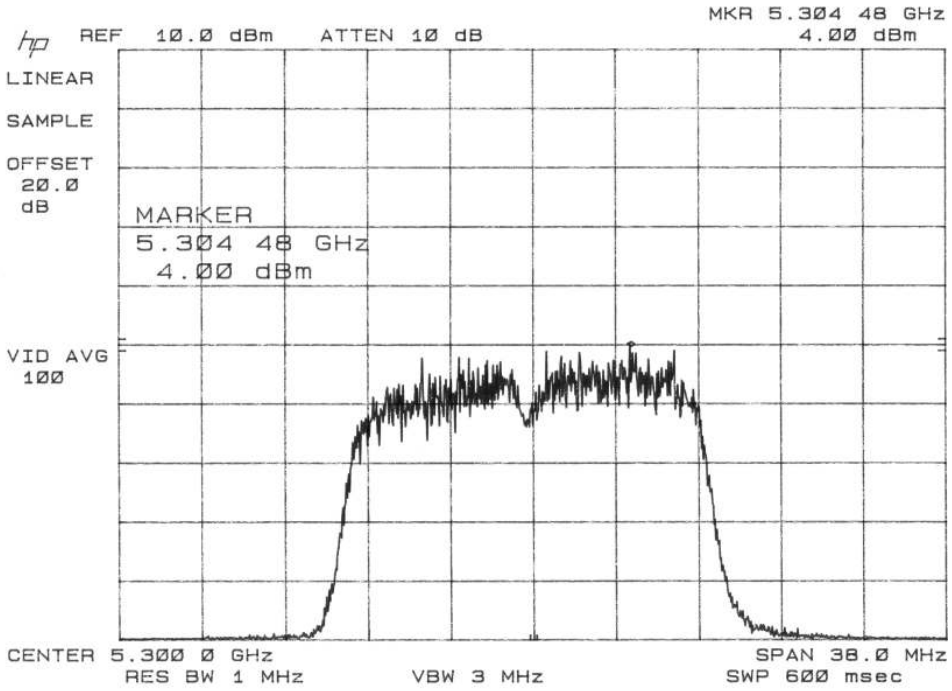


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Transmit Power**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Freq in MHz	EBW in MHz	S/A Reading (dBm)	10Log (EBW) (dB)	Peak Power dBm	Limit (-2dB for antenna)		Delta	Pass / Fail
					250mW	11dBm+ 10Log(EBW)		
5300	38.9	4.00	15.9	19.9	22	24.9	-2.1	Pass

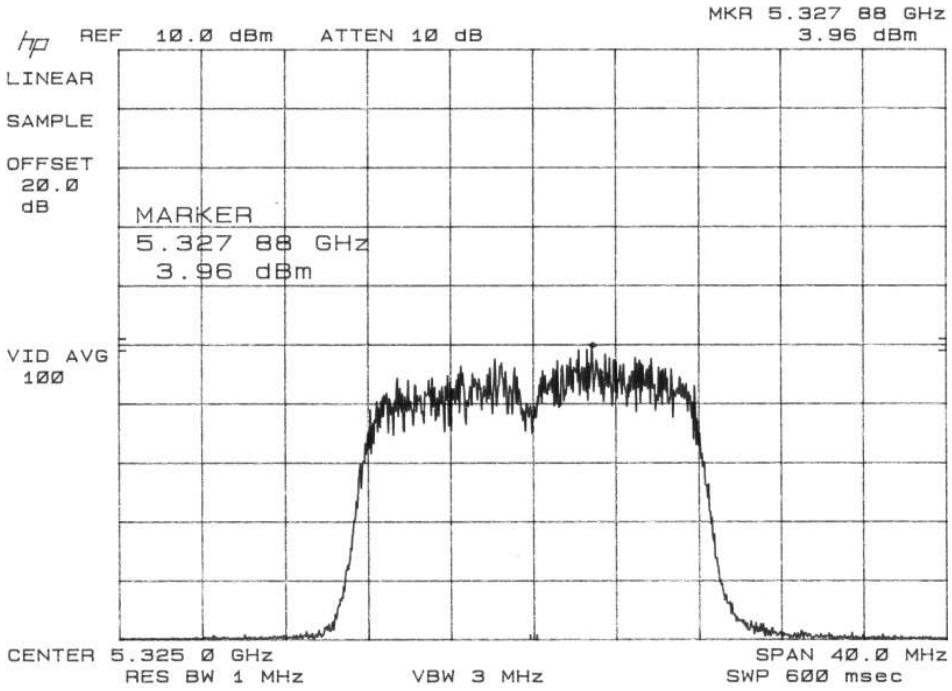


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Transmit Power**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Freq in MHz	EBW in MHz	S/A Reading (dBm)	10Log (EBW) (dB)	Peak Power dBm	Limit (-2dB for antenna)		Delta	Pass / Fail
					250mW	11dBm+ 10Log(EBW)		
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

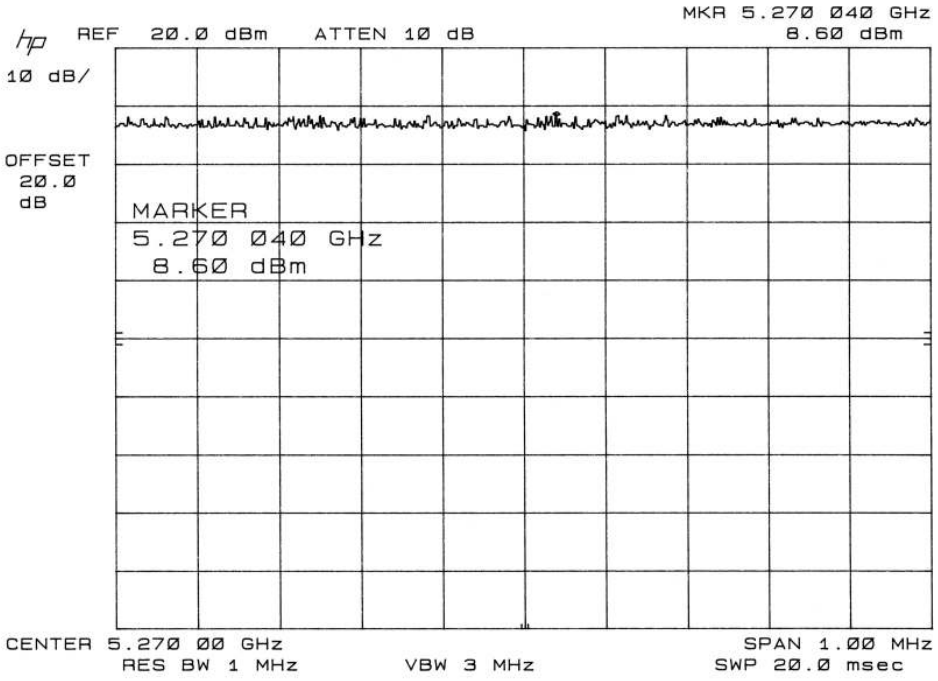
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	PPSD	Corrected Limit in dBm	Delta	Pass/Fail
1	Low	5270	8.6	9.0	-0.4	Pass

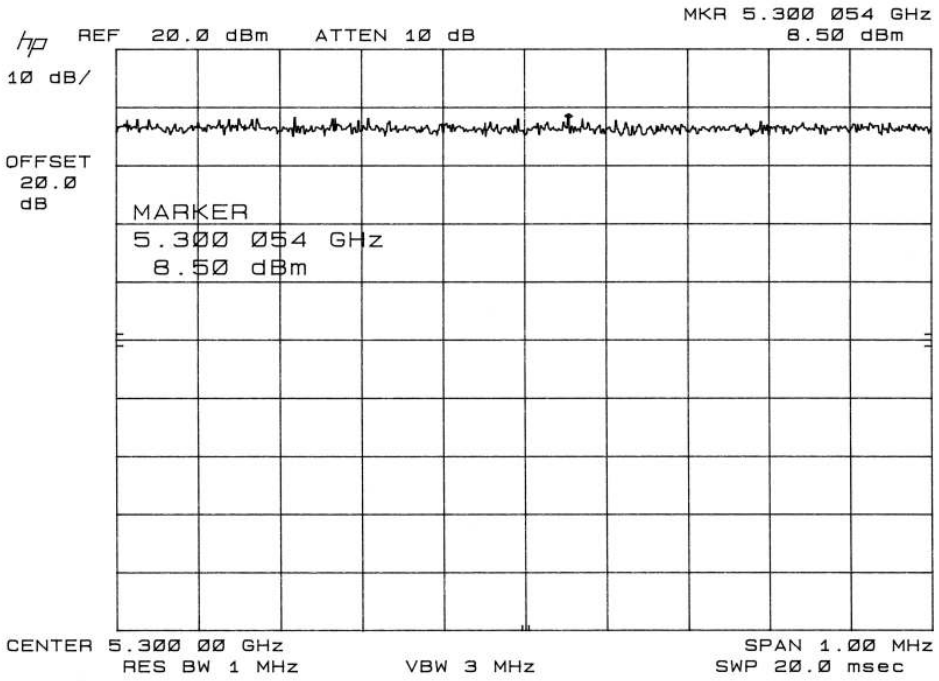


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	PPSD	Corrected Limit in dBm	Delta	Pass/Fail
1	Middle	5300	8.5	9.0	-0.5	Pass



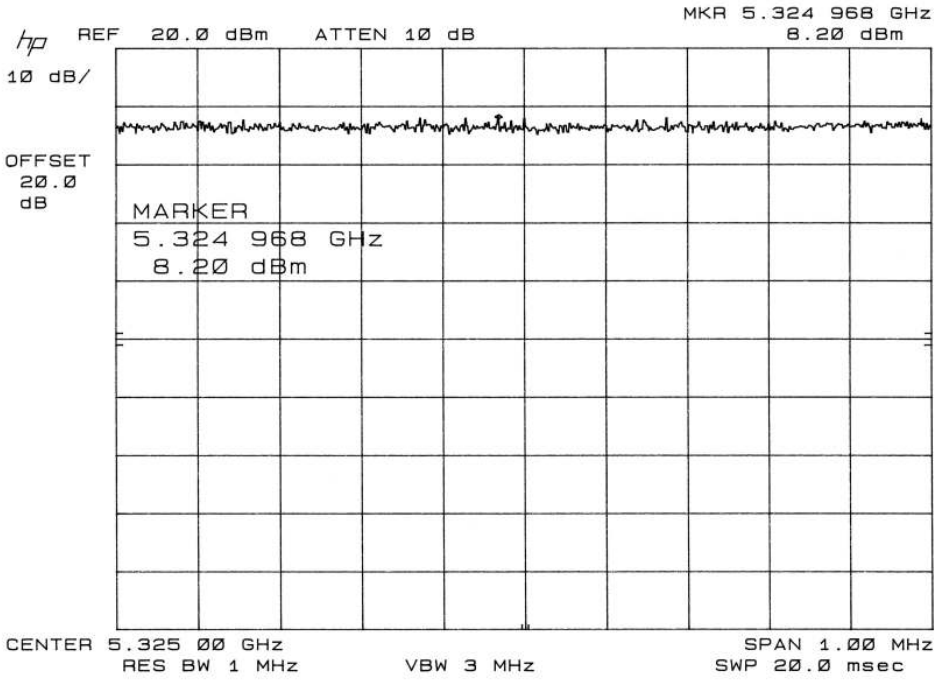
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Power Spectral Density**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	PPSD	Corrected Limit in dBm	Delta	Pass/Fail
1	High	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.

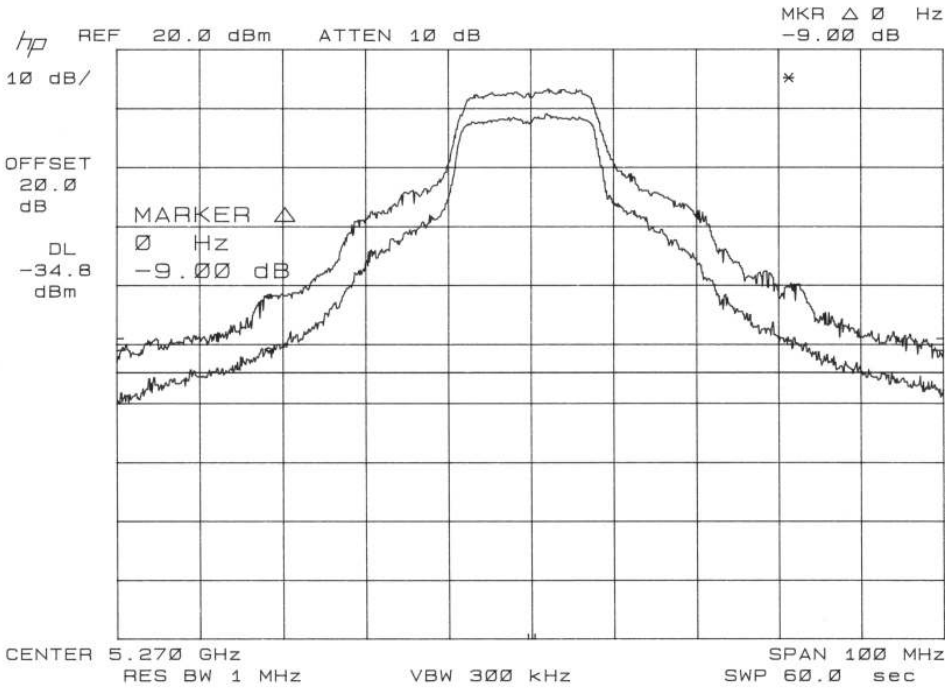
Test Set Up: Same as 15.257 6 dB Emission Bandwidth

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Excursion**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	FCC Part 15
Description:	Wireless Access Point		**Clause** 15.407(a)(6)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	Peak Excursion	Limit in dB	Delta	Pass/Fail
1	Low	52700	9.0	13.0	-4.0	Pass

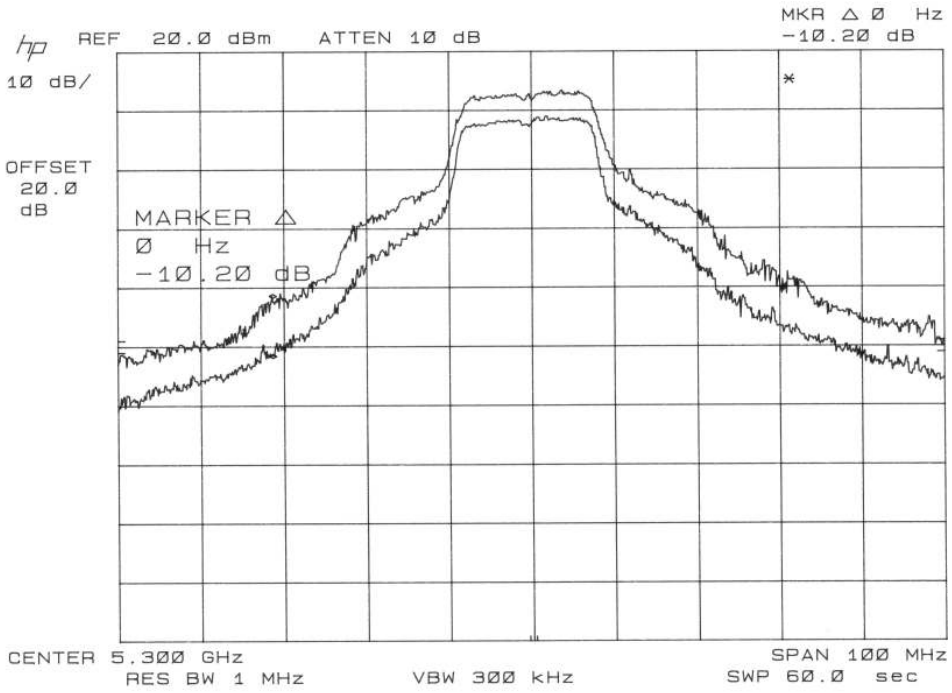


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Excursion**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)(6)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

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

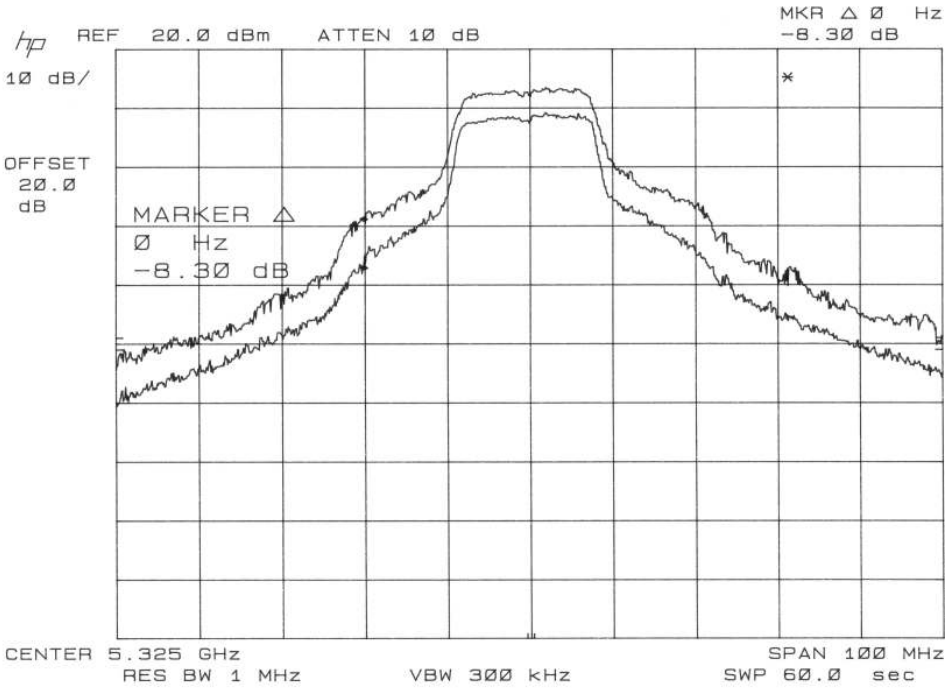


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Excursion**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(a)(6)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Channel	Chl Freq (MHz)	Peak Excursion	Limit in dB	Delta	Pass/Fail
1	High	5325	8.3	13.0	-4.7	Pass



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

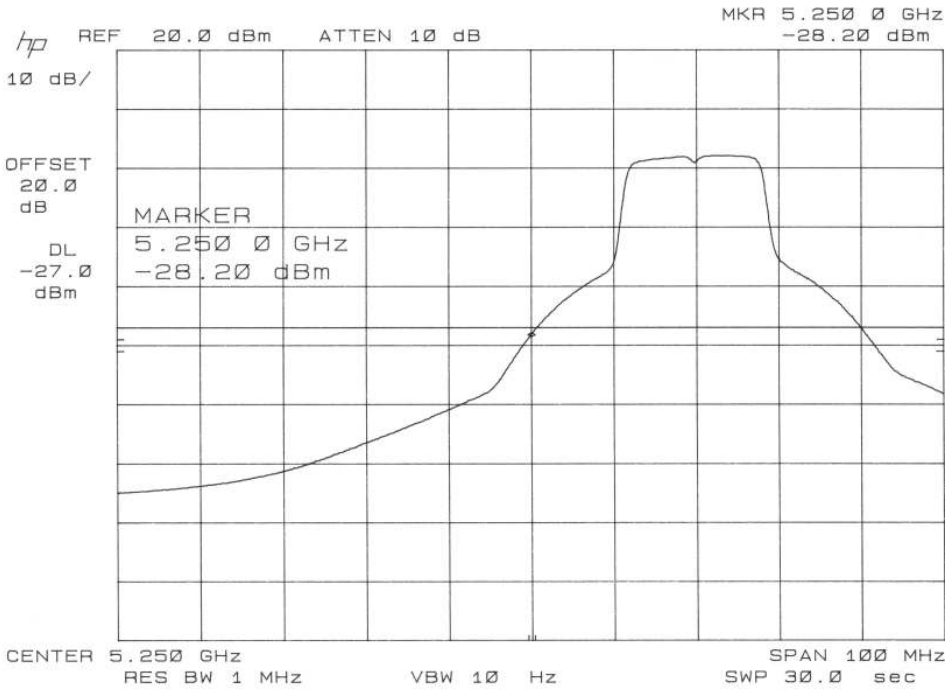
Test Set Up: Same as 15.247 6 dB Emission Bandwidth

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Band Edge Measurements**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point 801.11a		**Clause** 15.407(b)(1)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Band	Chl	Freq (MHz)	BandEdge Reading	Limit (dBm)	Delta	Pass/Fail
1	Low	5270	-28.2	-27.0	-1.2	Pass



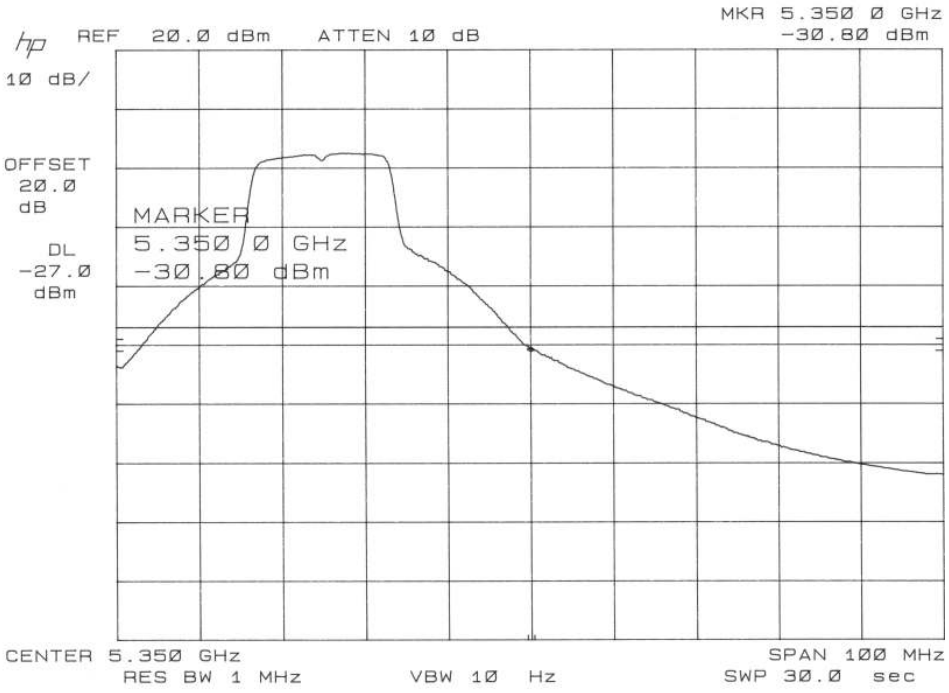
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Band Edge Measurements**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
22 °C	54 %	101.8 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

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

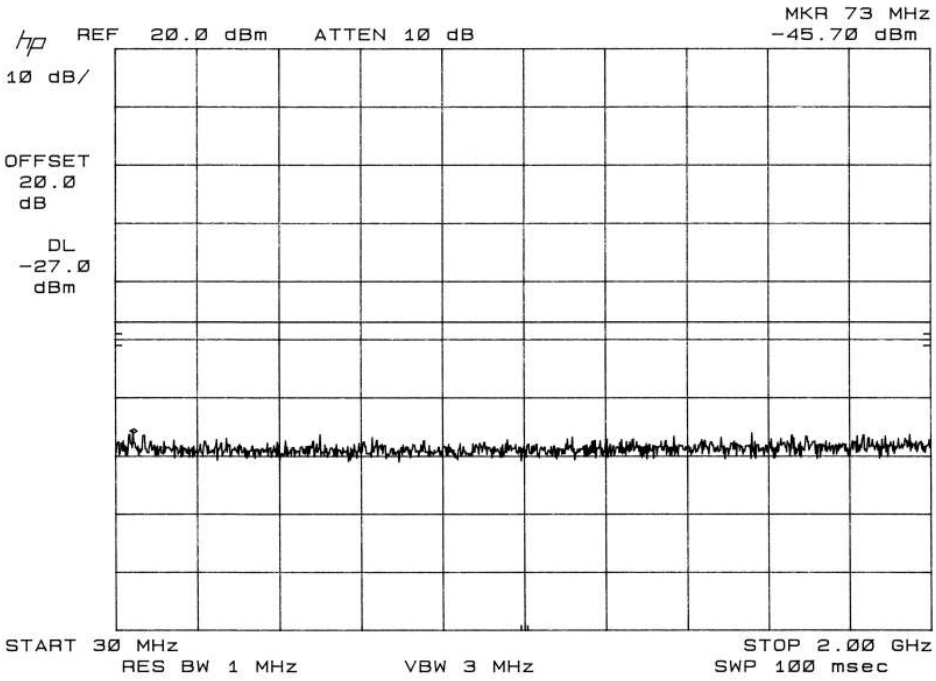
Test Set Up: Same as 15.247 6 dB Emission Bandwidth

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**	
DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard** FCC Part 15
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	Low	5270	No	Pass



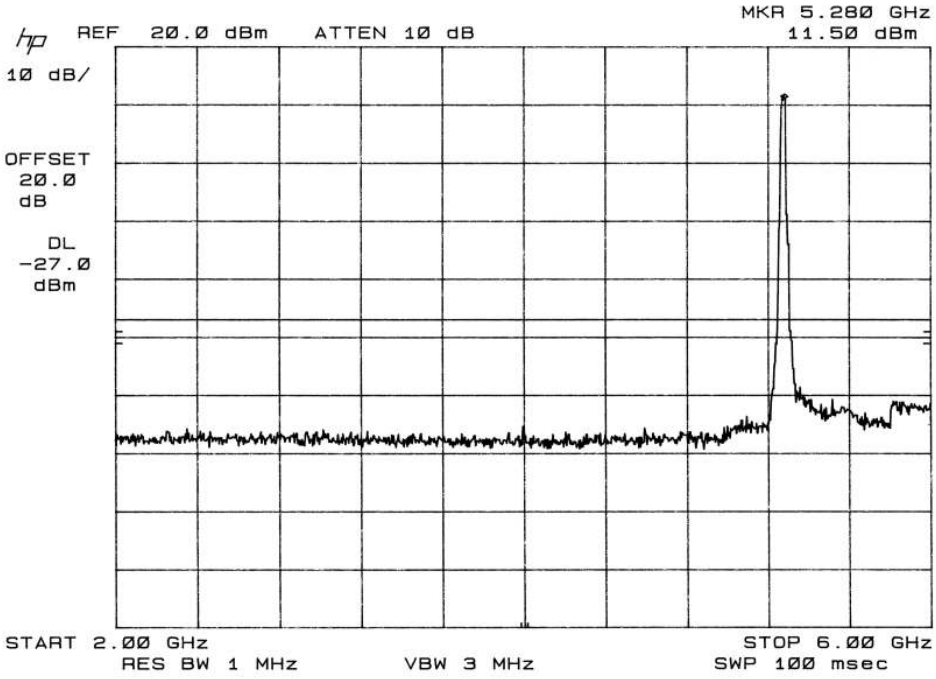
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	Low	5270	No	Pass



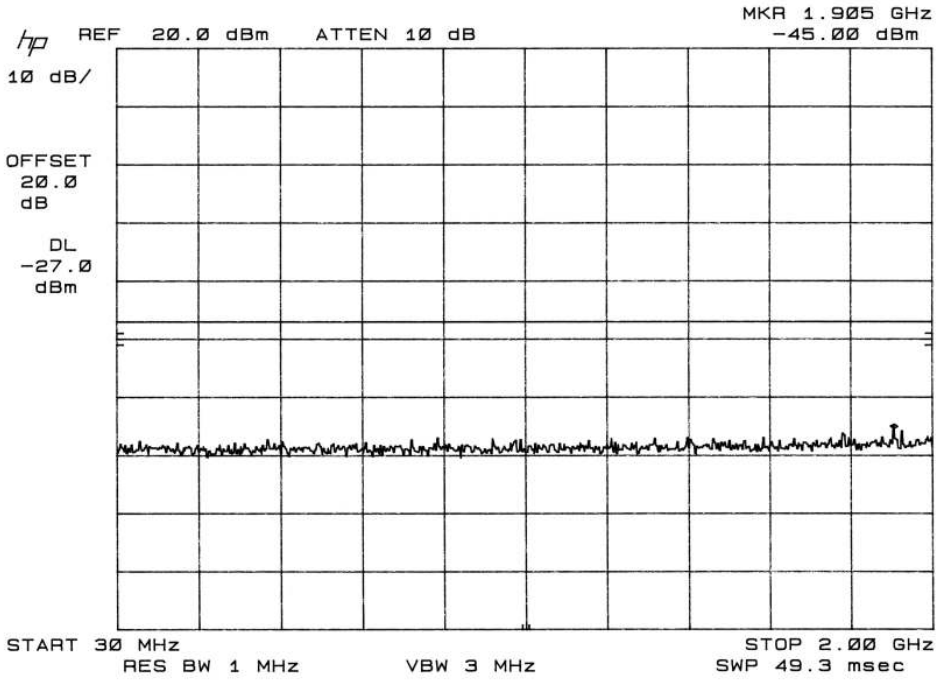
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	Low	5270	No	Pass



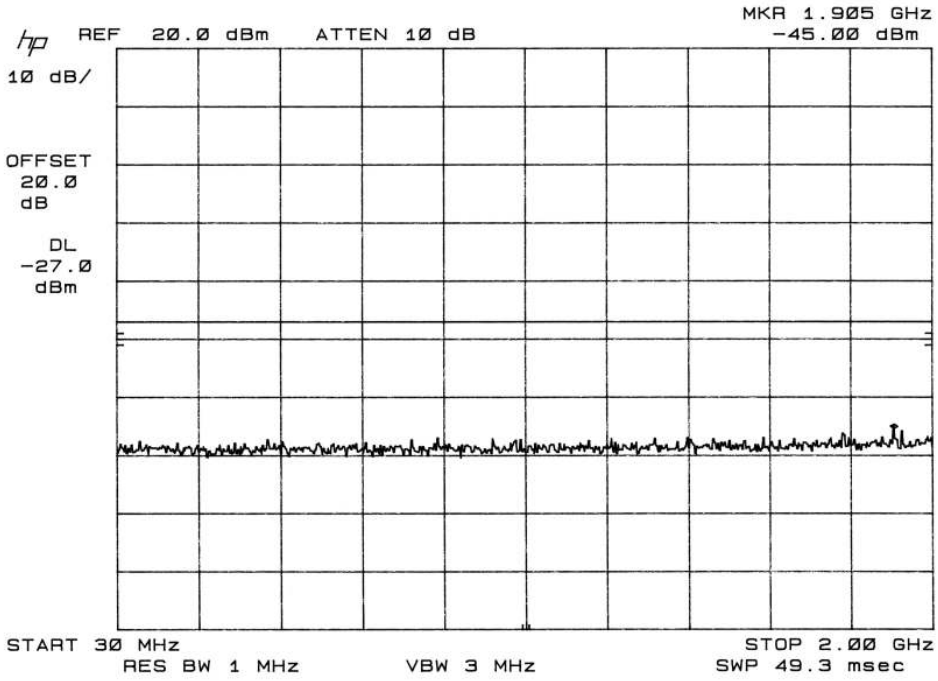
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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



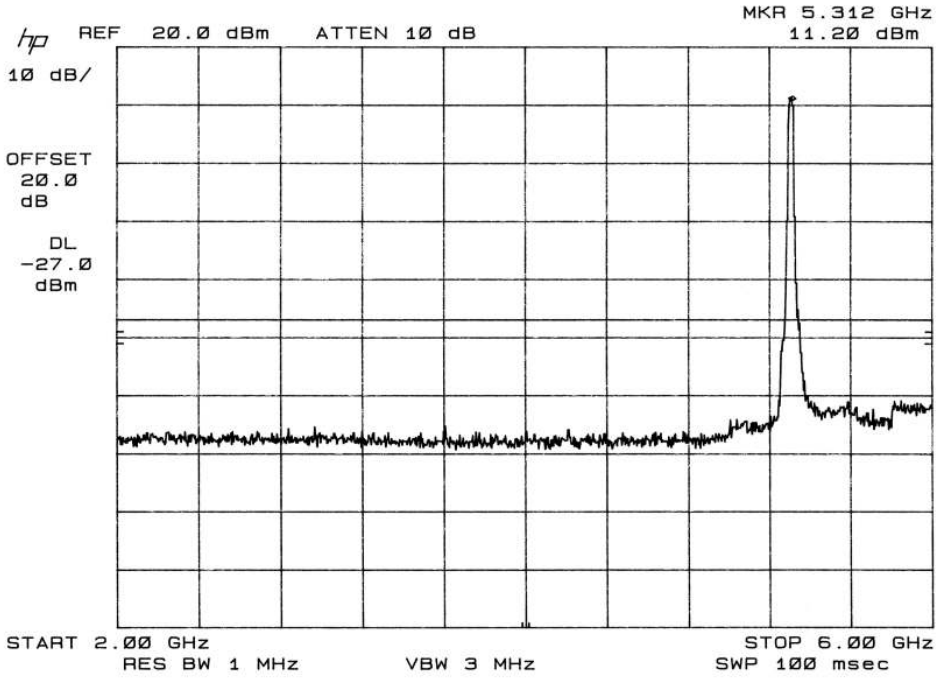
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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



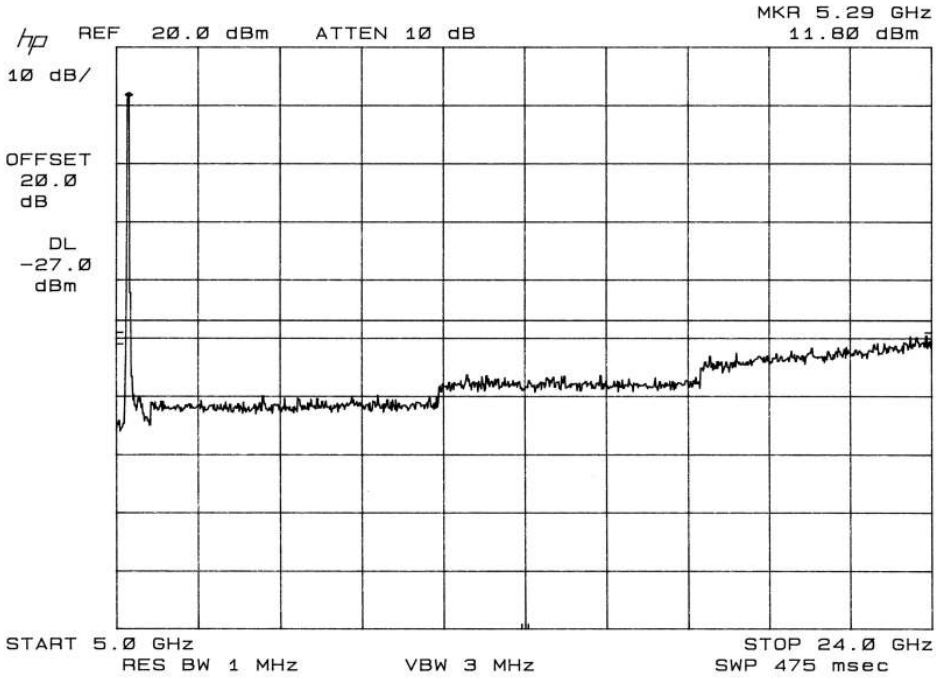
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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



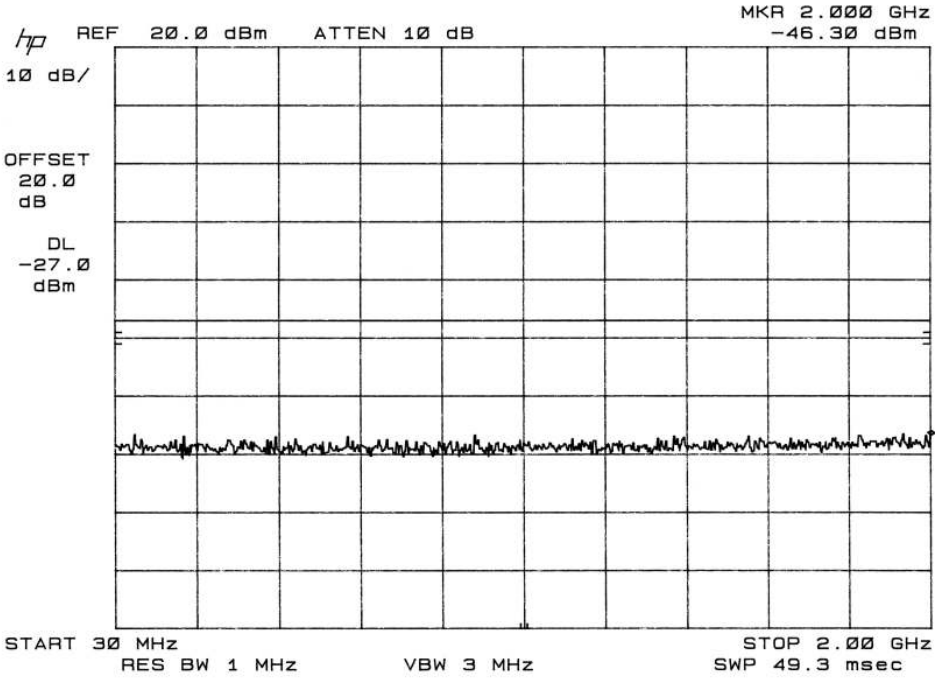
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	FCC Part 15
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	High	5325	No	Pass



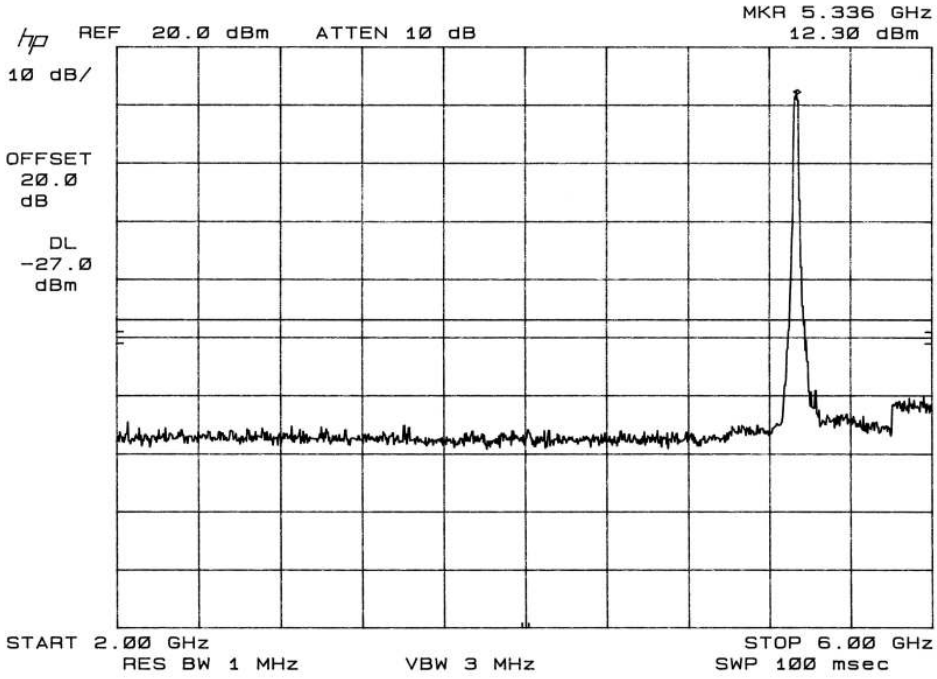
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	High	5325	No	Pass



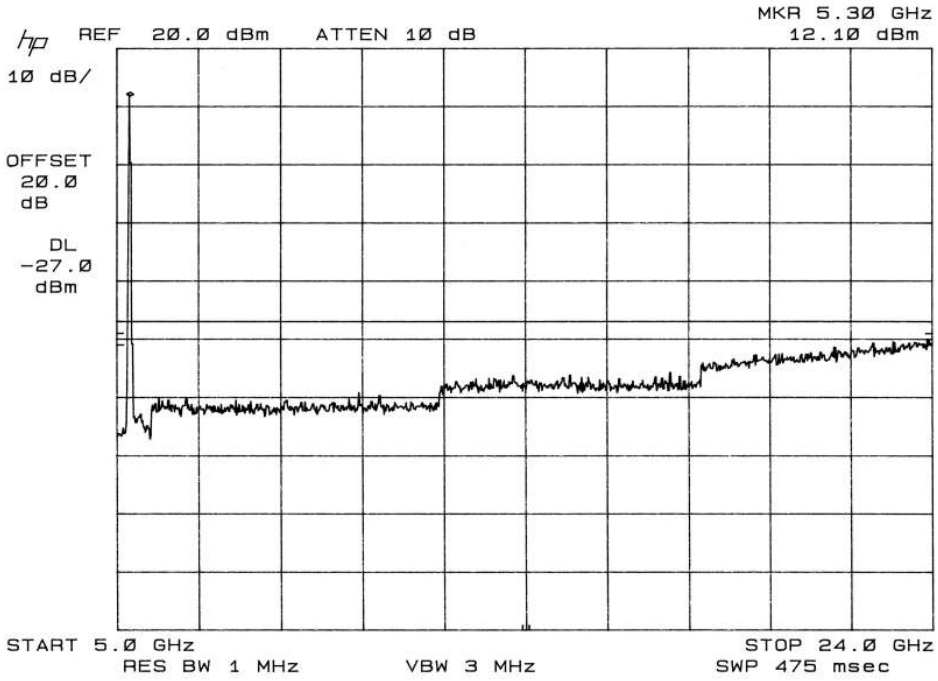
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Spurious RF Conducted**

DNB Job Number:	58042	Date: 15 Feb 2005	**Conformance Standard**
Customer:	3e Technologies Inc		FCC Part 15
Model Number:	NL5354MP+ Aires2	Serial Number: Proto	
Description:	Wireless Access Point		**Clause** 15.407(b)(1)
	801.11a		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric 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	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

Photo 1 WLAN Card Top

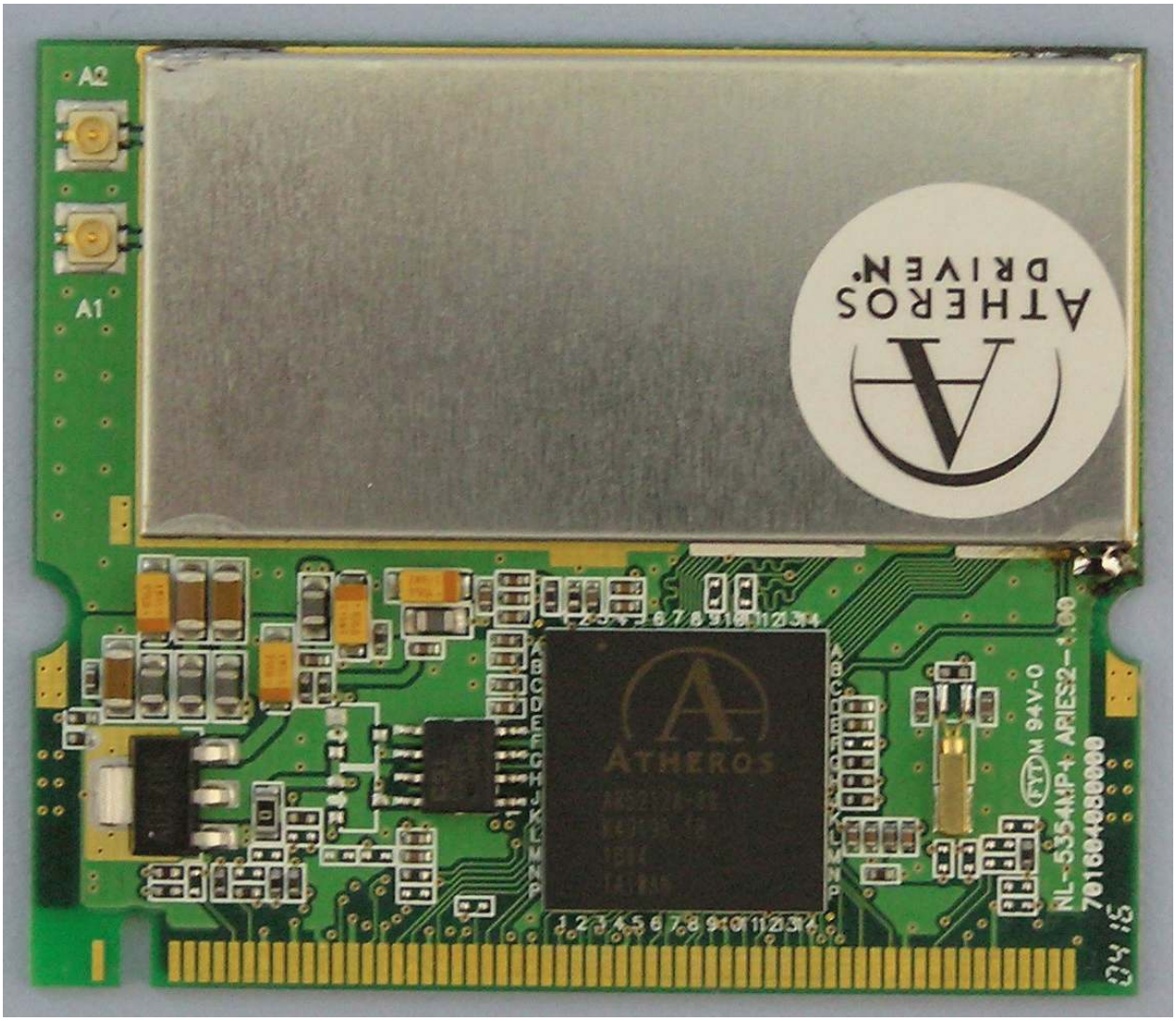


Photo 2 WLAN Card TOP without shield

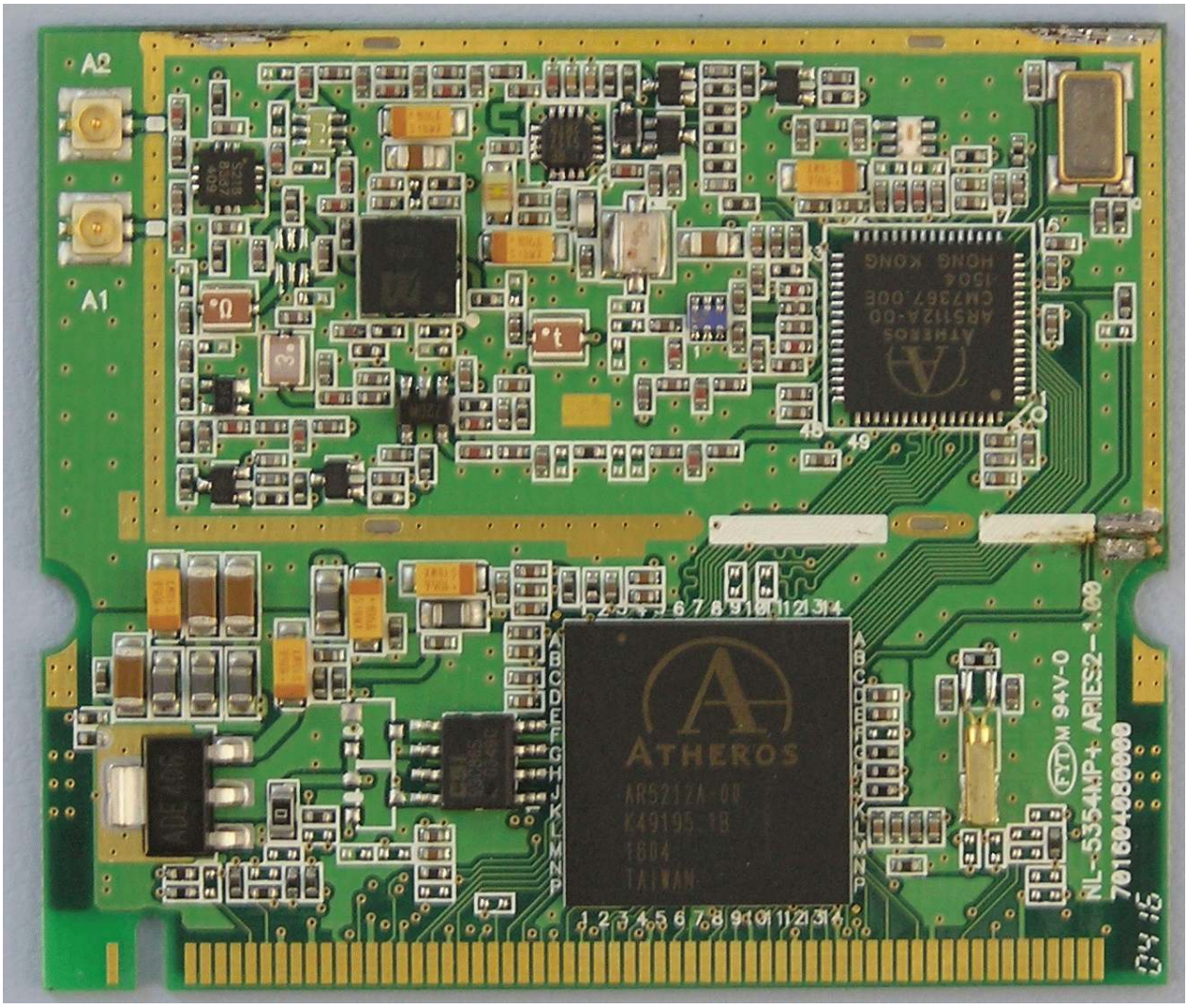
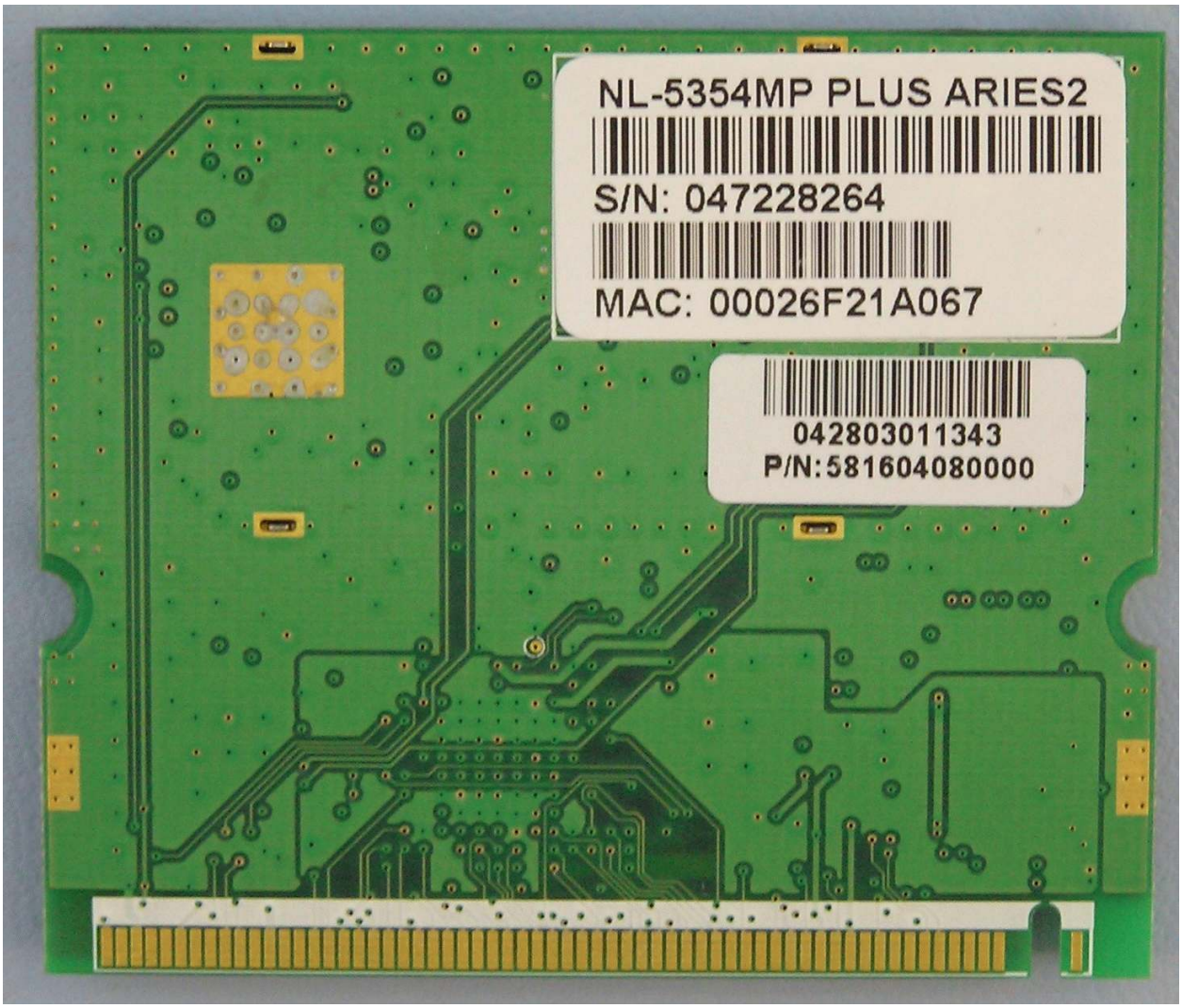


Photo 3 WLAN Card Bottom



RF Exposure Requirements 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

$S = 0.301$ mW/cm^2

For Occupational/Controlled Exposure
From 1,500 to 100,000 MHz, power density limit is **5 mW/cm^2 for 6 minutes**

For General Population/Uncontrolled Exposure
From 1,500 to 100,000 MHz, power density limit is **1 mW/cm^2 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 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 100 mW
G is 2 dB (Antenna gain – loss) or $10^{(0/10)}$ or 1.00
R is 20 cm

$S = 0.025\ mW/cm^2$

For Occupational/Controlled Exposure
From 1,500 to 100,000 MHz, power density limit is **5 mW/cm^2 for 6 minutes**

For General Population/Uncontrolled Exposure
From 1,500 to 100,000 MHz, power density limit is **1 mW/cm^2 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