UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. ____)*

Novatel Wireless, Inc.

(Name of Issuer)

Common Stock, \$.001 Par Value

(Title of Class of Securities)

66987M109

(CUSIP Number)

December 31, 2001

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- X	Rule	13d-1(b)
	Rule	13d-1(c)
	Rule	13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 669	87M109	13G	Page 2 of 14	
<pre>(1) NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)</pre>				
	Situations Fund III, dvisers Limited Part			
<pre>(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) (b) X </pre>				
(3) SEC USE				
(4) CITIZENS	HIP OR PLACE OF ORG	NIZATION		
Delaware				
	(5) SOLE VOTING PO	VER See Ma	rxe/Greenhouse	
	(6) SHARED VOTING	POWER	None	
OWNED BY EACH	(7) SOLE DISPOSIT	IVE POWER S	ee Marxe/Greenhouse	
REPORTINGPERSON WITH: (8) SHAN	(8) SHARED DISPOS	ITIVE POWER	None	
(9) AGGREGAT	E AMOUNT BENEFICALL	OWNED BY E	ACH REPORTING PERSON	
5,191,557(includes 1,198,051 warrants and 3,075 cvt Pfd)				
()	THE AGGREGATE AMOUI SHARES (See Instruct	· ·) EXCLUDES	

- - - - - - - - - - - - - - - -(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 9.4 - - -(12) TYPE OF REPORTING PERSON (See Instructions) IV/IA _____ * AWM Investment Company, Inc., a Delaware corporation is the General Partner of this entity. CUSIP No. 66987M109 13G Page 3 of 14 -----(1) NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Special Situations Private Equity Fund, L.P. F13-3916551 ("SSPE") MG Advisers L.L.C. ("MG") F13-3916549 (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) | | (b) |X| (3) SEC USE ONLY -----(4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF (5) SOLE VOTING POWER See Marxe/Greenhouse SHARES BENEFICIALLY (6) SHARED VOTING POWER None OWNED BY _ _ _ _ _ _ _ _ _ _ _ _ . EACH (7) SOLE DISPOSITIVE POWER See Marxe/Greenhouse REPORTING _____ PERSON WITH: (8) SHARED DISPOSITIVE POWER None (9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON 2,363,636 (includes 545,454 warrants and 1,400 cvt pfd) - - - - - - - -(10) CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) -----(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 4.1 -----(12) TYPE OF REPORTING PERSON (See Instructions) IV/IA CUSIP No. 66987M109 13G Page 4 of 14 (1) NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Special Situations Cayman Fund, L.P. ("CAY") 98-0132442 AWM Investment Company, Inc. ("AWM") 11-3086452 (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) | | (b) |X| (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands, Delaware

NUMBER OF (5) SOLE VOTING POWER See Marxe/Greenhouse SHARES BENEFICIALLY (6) SHARED VOTING POWER None OWNED BY EACH (7) SOLE DISPOSITIVE POWER See Marxe/Greenhouse REPORTING PERSON WITH: (8) SHARED DISPOSITIVE POWER None -----(9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON 1,730,519 (includes 399,350 warrants and 1,025 cvt pfd) (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 3.0 -----(12) TYPE OF REPORTING PERSON* IV/IA CUSIP No. 66987M109 13G Page 5 of 14 (1) NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Special Situations Technology Fund, L.P. ("SST") F13-3937585 SST Advisers LLC ("SSTA") F13-3937583 -----(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) | | (b) |X| (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware - -------NUMBER OF (5) SOLE VOTING POWER See Marxe/Greenhouse SHARES ------- -BENEFICIALLY (6) SHARED VOTING POWER None OWNED BY -----EACH (7) SOLE DISPOSITIVE POWER See Marxe/Greenhouse REPORTING PERSON WITH: (8) SHARED DISPOSITIVE POWER None (9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON 1,688,311 (includes 389,610 warrants and 1,000 cvt pfd) (10) CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) -----(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.9 (12) TYPE OF REPORTING PERSON (See Instructions) IV/IA CUSIP No. 66987M109 13G Page 6 of 14 Pages -----(1) NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY). Austin W. Marxe David M. Greenhouse

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) | | (b) |X| -----(3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION United States of America BENEFICIALLY (6) SHARED VOTING POWER None OWNED BY EACH (7) SOLE DISPOSITIVE POWER (7) SOLE DISPOSITIVE POWER 10,974,023 REPORTING PERSON WITH: (8) SHARED DISPOSITIVE POWER None (9) AGGREGATE AMOUNT BENEFICALLY OWNED BY EACH REPORTING PERSON 10,974,023 (includes 2,532,465 warrants and 6,500 cvt pfd) -----(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 16.7 (12) TYPE OF REPORTING PERSON* ΙN _____ Page 7 of 14 Pages Item 1. (a) Name of Issuer: Novatel Wireless, Inc. (b) Address of Issuer's Principal Executive Offices: 9360 Towne Centre Drive, Ste 110, San Diego, CA 92121 Item 2. Name of Person Filing: This statement is filed on behalf (a) of (i) Special Situations Fund III, L.P., a Delaware limited partnership ("SSF III"); (ii) Special Situations Private Equity Fund, L.P., a Delaware limited partnership ("SSPE") (iii) Special Situations Cayman Fund, L.P., a Cayman Islands limited partnership (the "Cayman Fund"); (iv) Special Situations Technology Fund, L.P., a Delaware limited partnership ("SST"); (v) MGP Advisers Limited Partnership, a Delaware limited partnership, ("MGP"); (vi) MG Advisers L.L.C., a New York imited liability company ("MG"); (vii) AWM Investment Company, Inc., a Delaware corporation ("AWM"); (viii SST Advisers L.L.C., a Delaware limited liability company ("SSTA"); (ix)) Austin W. Marxe and (x) David Greenhouse. Each of the foregoing is hereinafter individually referred to as a "Reporting Person" and collectively as the "Reporting Persons." (b) Address of Principal Business Office or, if none, residence: The principal office and business address of the Reporting Persons, other than the Cayman Fund, is 153 East 53 Street, New York, New York 10022. The principal office and business address of the Cayman Fund is c/o CIBC Bank and Trust Company (Cayman) Limited, CIBC Bank Building, P.O. Box 694, Grand Cayman, Cayman Page 8 of 14 Pages Islands, British West Indies.
(c) Citizenship: SSF III, SSPE, SST, and MGP are Delaware limited partnerships. MG is a New York limited liability company. AWM is a Delaware corporation and SSTA is a Delaware limited liability company. The Cayman Fund was formed under the laws of the Cayman Island. Austin W. Marxe and David M. Greenhouse are United States citizens. The principal business of SSF III, SSPE, SST and the Cayman Fund (individually, a "Fund" and, collectively, the "Funds") is to invest in, sell, convey, transfer, exchange and otherwise trade in principally equity and equity related securities. The principal business of MGP is to act as general partner of and investment adviser to SSF III. The principal business of MG is to act as the general partner of and the investment adviser to SSPE. The principal

business of SSTA is to act as general partner of and investment adviser to SST. The principal business of AWM is to act as general partner of MGP and general partner of and investment adviser to the Cayman Fund. MGP, MG, SSTA and AWM are referred to herein, individually, as an "Adviser" and, collectively, as the "Advisers." The principal occupation of Austin W. Marxe and David Greenhouse is to serve as officers, directors and members or principal shareholders of the Advisers. Title of Class of Securities: See cover sheets. 2(d) (e) CUSIP Number: See cover sheets. Item 3. If this statement is filed pursuant to \$240.13d-1(b) or 240.13d-2(b), check whether the person filing is a: Page 9 of 14 Pages (a) () Broker or Dealer registered under section 15 of the Act; (b) () Bank as defined in section 3(a) (6) of the Act; (c) () Insurance Company as defined in section 3(a) (19) of the Act; (d) (x) Investment Company registered under section 8 of the Investment Company Act of 1940; (e) (x) An Investment Adviser in accordance with \$240.13d -1(b)(I)(ii)(E); (f) () An employee benefit plan or endowment fund in accordance with \$240.13d-1(b)(I)(ii)(F); (g) (x) A parent holding company or control person in accordance with \$240.13d-1(b)(1)(ii)(G); (h) () A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act; (i) () A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940; Group, in accordance with \$240.13d-1(b)(1)(ii)(J). (i) () See Exhibit A attached hereto. Item 4. Ownership: (a) Amount Beneficially Owned: 10,974,023 shares of common stock are beneficially owned by Austin Marxe and David Greenhouse; of which 3,075 convertible preferred shares; convertible into 3,993,506 common shares and 1,198,051 warrants are owned by SSF III, 1,400 convertible preferred shares; convertible into Page 10 of 14 Pages 1,818,182 common shares and 545,454 warrants are owned by SSPE, 1,025 convertible preferred shares; convertible into 1,331,169 common shares and 399,350 warrants are owned by CAY, 1,000 convertible preferred shares; convertible into 1,298,701 common shares and 389,610 warrants are owned by SST. (b) Percent of Class: 16.7 percent of the common stock are owned by Austin Marxe and David Greenhouse, 9.4 percent are owned by SSF III, 4.1 are owned by SSPE, 3.0 percent are owned by CAY and 2.9 percent are owned by SST. (c) Number of Shares as to which the person has Rights to Vote and/or Dispose of Securities: SSF III, SSPE, CAY, SST, MGP, MG, AWM and SSTA have sole power to vote or to direct the vote and to dispose or to direct the disposition of all securities reported hereby which are respectively beneficially owned by each Fund and its Adviser. Austin Marxe and David Greenhouse have shared power to vote or to direct the vote of and to dispose or to direct the disposition of securities reported hereby which are beneficially owned by Austin Marxe and David Greenhouse by virtue of being Executive Officers of the Investment Advisers. Item 5. Ownership of Five Percent or Less of a Class: If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more that five percent of the class of securities, check the following Page 11 of 14 Pages Item 6.0wnership of More than Five Percent on Behalf of Another Person: SSF III, SSPE, CAY and SST, as owners of the securities in question, have the right to receive any dividends from, or proceeds from the sale of, such securities. Item 7. Identification and Classification of the Subsidiary Which Acquired the Security being Reported on By the Parent Holding Company: See Exhibit A attached hereto. Item 8. Identification and Classification of Members of the Group: Not applicable Item 9. Notices of Dissolution of Group: Not applicable. Item 10. Certification: By signing below I certify that, to the best of my knowledge and belief, the securities referred to above

were acquired and are held in the ordinary course of

business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: January 8, 2002

SPECIAL SITUATIONS FUND III, L.P.

By:/s/ Austin W. Marxe Austin W. Marxe Managing Director

MGP ADVISERS LIMITED PARTERSHIP

By:/s/ Austin W. Marxe Austin W. Marxe

President and Chief Executive Officer

SPECIAL SITUATIONS PRIVATE EQUITY FUND, L.P.

| B
Austin W. Marxe | y:/s/ Austin W. Marxe | | |
|----------------------|------------------------------|--------------------|--|
| | President and Chief Executiv | e Officer | |
| | | G ADVISERS, L.L.C. | |

Austin W. Marxe President and Chief Executive Officer

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SPECIAL SITUATIONS CAYMAN FUND, L.P.

| | By: /s/ Austin W. Marxe |
|-----------------|-------------------------|
| Austin W. Marxe | |
| | Managing Director |

AWM INVESTMENT COMPANY, INC.

Austin W. Marxe

By: /s/ Austin W. Marxe Austin W. Marxe President and CEO

SPECIAL SITUATIONS TECHNOLOGY FUND, L.P.

By:/s/ Austin W. Marxe

President and Chief Executive Officer

SST ADVISERS, L.L.C.

By:/s/ Austin W. Marxe

President and Chief Executive Officer

/s/ Austin W. Marxe AUSTIN W. MARXE

/s/David M Greenhouse DAVID M. GREENHOUSE

EXHIBIT A

This Exhibit explains the relationship between the Reporting Persons. MGP Advisers Limited Partnership (MGP), a Delaware limited partnership, is the general partner of the Special Situations Fund III, L.P., a Delaware Limited Partnership. AWM Investment Company, Inc., a Delaware corporation, is the general partner of MGP and the general partner of and investment adviser to the Cayman Fund. MG Advisers, L.L.C. is the general partner of and investment adviser to the Special Situations Private Equity Fund, L.P. SST Adviser, L.L.C. is the general partner of and investment adviser to Special Situations Technology Fund, L.P. Austin W. Marxe and David M. Greenhouse are the principal owners of MGP, MG, AWM and SSTA and are principally responsible for the selection, acquisition and disposition of the portfolios securities by the investment advisers on behalf of their Fund.