

PRESS RELEASE**Corporate Contacts:**

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RADVISION REPORTS RECORD FIRST QUARTER 2006 RESULTS
- EPS of \$0.13 Exceeds Forecast; Revenues Are on Target at \$20.1 million -

FAIR LAWN, New Jersey, April 27, 2006 -- RADVISION (Nasdaq: RVSN) today announced that revenues for the first quarter of 2006 were \$20.1 million, representing a 24% increase from \$16.3 million reported in the first quarter of 2005 and on target with the Company's forecast.

Operating income for the first quarter of 2006 was \$1.9 million. Excluding the effect of stock-based compensation expense related to the adoption of FAS123R, the Company reported operating income of \$2.9 million. This compares with operating income of \$1.9 million in the first quarter of 2005.

Net income for the 2006 first quarter was \$2.9 million, or \$0.13 per diluted share. Excluding the effect of stock-based compensation expense, net income was \$3.9 million or \$0.17 per diluted share. This compares with \$2.5 million or \$0.11 per diluted share reported in the 2005 first quarter.

The Company had forecast that 2006 first quarter net income would be \$2.1 million or \$0.09 per diluted share including the effect of stock-based compensation. The Company's forecast for net income excluding the effect of stock-based compensation expense was \$3.3 million, or \$0.14 per diluted share.

Business unit revenues for the first quarter of 2006 consisted of \$14.1 million in Networking Business Unit (NBU) sales and \$6.0 million in Technology Business Unit (TBU) sales, representing increases of 32% and 8%, respectively, over the first quarter of 2005 and in line with the Company's forecast.

The Company ended the first quarter of 2006 with approximately \$135.7 million in cash and liquid investments, an increase of \$10.7 million from December 31, 2005, and equivalent to \$6.17 per basic share. The increase reflects cash flow of \$8.5 million from operations and income of \$3.0 million from the exercise of options, offset by \$800,000 in capital expenditures.

Boaz Raviv, Chief Executive Officer, commented: "The 23% increase in our revenues led to a record first quarter for RADVISION. This included an additional \$1.8 million in revenues from the Defense Information Systems Agency (DISA) DVS-II project for the U.S. Department of Defense that we won with Northrop Grumman and Cisco in the fourth quarter of 2005. These revenues related to sales of key network access components and were made through Cisco. We also saw strong growth in total revenues in the first quarter from Cisco, our largest channel partner.

“Our first quarter results also include the contribution of Click to Meet™, our desktop software solution, which we acquired in late March 2005. Our success with Click to Meet is reflected in a 53% sequential increase in its sales as well as in our announcement today that we have partnered with leading conferencing service provider, InterCall, and with Glowpoint, the leader in IP-based video communications services, to deliver an advanced video conferencing service for use with the Microsoft® Office Live Meeting web collaboration application by pairing it with Click to Meet. This follows our first quarter announcement that Allstream, a leading Canadian communications service provider, licensed Click to Meet to upgrade Live Meeting to video.

“3G revenues in our NBU grew 84% from the 2005 first quarter due to five important wins in Asia Pacific and the contribution from a major deal in Europe that was reported previously. In total, our 3G and desktop solutions represented nearly half of our first quarter NBU revenues and we expect that they will be significant levers for our future growth. We took an important step forward in this regard with the expansion of our partnership with AETHRA, which will make both our 3G and Click to Meet solutions available to their customers under the AETHRA name.

“We also achieved continued growth in our TBU in the first quarter with strong license sales for our 3G-324M and SIP toolkits, which are used by equipment designers to develop products both for today’s and tomorrow’s technology for video and multimedia services over wireless broadband. We introduced a Java version of our SIP toolkit in the first quarter and were also pleased to win the exclusive license from Microsoft to provide Live Communications Server-Compatible SIP toolkits.”

Mr. Raviv concluded: “Our accomplishments in the first quarter were built upon our Company’s distinctive vision and the path we have followed towards the convergence of voice, video and data.”

Guidance

The following statements are forward-looking, and actual results may differ materially.

The Company expects revenues for the second quarter 2006 to be approximately \$21.5 million and net income to approximate \$3.1 million or \$0.14 per diluted share. This includes stock-based compensation expense related to the adoption of FAS123R of \$1.2 million or \$0.05 per diluted share. Excluding this item, second quarter 2006 net income is expected to be \$4.3 million or \$0.19 per diluted share. That compares to second quarter 2005 revenues of \$17.5 million and net income of \$2.9 million or \$0.13 per diluted share. (Full details are available on the Company’s web site at www.radvision.com.)

First Quarter 2006 Earnings Conference Call/Webcast

RADVISION will hold a conference call to discuss its first quarter 2006 results and second quarter outlook, today, Thursday, April 27, 2006 at 9:00 a.m. (Eastern). To access the conference call, please dial 1-888-323-2711 (International dialers can call +1-212-547-0460) by 8:45 a.m. The passcode “RADVISION” will be required to access the live conference call. A live webcast of the conference call also will be available in the Investor Relations section of the company’s website at www.radvision.com.

Simply click on the following link or copy it onto your browser:

www.radvision.com/CorporateInformation/Investors/IR_1Q06_webcast.htm.

A PowerPoint presentation highlighting key financial metrics as well as the second quarter 2006 estimate also will be available in the Investor Relations section of the company’s website. The presentation will be available beginning at 8:00 a.m. (Eastern) on April 27th and will be archived on the website until the end of the second quarter. A replay of the call will be available beginning approximately one hour after the conclusion of the call through 11:00 p.m. (Eastern) on May 4th. To access the replay, please dial 1-800-294-50874 (International dialers can call +1-402-220-9780).

About RADVISION

RADVISION Ltd. (Nasdaq: RVSN) is the industry's leading provider of high quality, scalable and easy-to-use products and technologies for videoconferencing, video telephony, and the development of converged voice, video and data over IP and 3G networks. For more information, please visit our website at www.radvision.com

This press release contains forward-looking statements that are subject to risks and uncertainties. Factors that could cause actual results to differ materially from these forward-looking statements include, but are not limited to, general business conditions in the industry, changes in demand for products, the timing and amount or cancellation of orders and other risks detailed from time to time in RADVISION's filings with the Securities Exchange Commission, including its Annual Report on Form 20-Fj. These documents contain and identify other important factors that could cause actual results to differ materially from those contained in our projections or forward-looking statements. Stockholders and other readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date on which they are made. We undertake no obligation to update publicly or revise any forward-looking statement.

- TABLES FOLLOW -

RADVISION LTD.
Consolidated Statements of Income
Reconciliation of GAAP to NON-GAAP Operating Results¹
(U.S. Dollars in thousands, except per share data)

	Three months ended March 31,			
	2006		2005	
	(Unaudited)			
	GAAP results (as reported)	Non GAAP adjustment share-based compensation ¹	Non GAAP results Pro Forma	GAAP results (as reported)
Revenues	\$ 20,136	\$ -	\$ 20,136	\$ 16,280
Cost of revenues	3,651	69	3,582	2,776
Gross profit	16,485	69	16,554	13,504
Operating costs and expenses:				
Research and development	5,745	299	5,446	4,655
Marketing and selling	7,399	439	6,960	5,757
General and administrative	1,461	221	1,240	1,159
Total operating costs and expenses	14,605	959	13,646	11,571
Operating income	1,880	1,028	2,908	1,933
Financial income, net	1,271	-	1,271	561
Income before taxes on income	3,151	1,028	4,179	2,494
Taxes on income, net	254	-	254	-
Net income	<u>\$ 2,897</u>	<u>\$ 1,028</u>	<u>\$ 3,925</u>	<u>\$ 2,494</u>
Basic net earnings per Ordinary share	<u>\$ 0.13</u>	<u>\$ 0.05</u>	<u>\$ 0.18</u>	<u>\$ 0.12</u>
Weighted average number of shares outstanding during the period – basic	<u>21,995,368</u>		<u>21,995,368</u>	<u>20,714,218</u>
Diluted net earnings per Ordinary share	<u>\$ 0.13</u>	<u>\$ 0.04</u>	<u>\$ 0.17</u>	<u>\$ 0.11</u>
Weighted average number of shares outstanding during the period – diluted	<u>22,460,281</u>		<u>22,460,281</u>	<u>22,033,189</u>

- (1) To supplement our consolidated financial statements presented in accordance with generally accepted accounting principles (GAAP), we use NON-GAAP measures of operating results, net income and earnings per share, which are adjusted from results based on GAAP to exclude the expenses we recorded for stock compensation in accordance with SFAS 123R. These NON-GAAP financial measures are provided to enhance overall understanding of our current financial performance and our prospects for the future. Specifically, we believe the NON-GAAP results provide useful information to both management, and investors as these NON-GAAP results exclude the expenses we recorded for stock compensation in accordance with SFAS 123R that we believe are not indicative of our core operating results. Further, these NON-GAAP results are one of the primary indicators management uses for assessing our performance, allocating resources and planning and forecasting future periods. These measures should be considered in addition to results prepared in accordance with GAAP, but should not be considered a substitute for or superior to GAAP results. These NON-GAAP measures may be different than the NON-GAAP measures used by other companies.

RADVISION LTD.
Consolidated Balance Sheet
(U.S. Dollars in thousands)

	March 31, 2006	December 31, 2005
ASSETS	Unaudited	Audited
CURRENT ASSETS:		
Cash and cash equivalents *)	\$ 17,137	\$ 32,927
Short-term bank deposits *)	31,900	17,503
Short-term marketable securities *)	42,134	46,015
Trade receivables, net	8,712	12,257
Other accounts receivable and prepaid expenses	3,505	4,318
Inventories	3,520	2,593
	<hr/>	<hr/>
Total current assets	106,908	115,613
	<hr/>	<hr/>
LONG-TERM INVESTMENTS AND RECEIVABLES:		
Long-term bank deposits *)	16,343	11,395
Long-term marketable securities *)	28,145	17,111
Severance pay fund	2,958	2,931
	<hr/>	<hr/>
Total long-term investments and receivables	47,446	31,437
	<hr/>	<hr/>
Property and equipment, net	3,551	3,190
	<hr/>	<hr/>
Goodwill	2,966	2,966
	<hr/>	<hr/>
Intangible assets, net	3,269	3,542
	<hr/>	<hr/>
Total assets	<u>\$ 164,140</u>	<u>\$ 156,748</u>
 LIABILITIES AND SHAREHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Trade payables	\$ 1,495	\$ 1,783
Deferred revenues	8,777	8,533
Accrued expenses and other accounts payable	12,087	12,122
	<hr/>	<hr/>
Total current liabilities	22,359	22,438
	<hr/>	<hr/>
Accrued severance pay	3,903	3,643
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Total liabilities	26,262	26,081
	<hr/>	<hr/>
COMMITMENTS AND CONTINGENCIES		
SHAREHOLDERS' EQUITY:		
Share capital	226	218
Additional paid-in capital	119,724	116,446
Deferred stock compensation	1,028	-
Retained earnings (accumulated deficit)	16,900	14,003
	<hr/>	<hr/>
Total shareholders' equity	137,878	130,667
	<hr/>	<hr/>
Total liabilities and shareholders' equity	<u>\$ 164,140</u>	<u>\$ 156,748</u>
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*) Total cash and liquid investments	<u>\$ 135,659</u>	<u>\$ 124,951</u>