

PRESS RELEASE**Corporate Contacts:**

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**RADVISION REPORTS FIRST QUARTER 2008 RESULTS
- ANNOUNCES CFO DEPARTURE EFFECTIVE JULY 30 -**

TEL AVIV, May 1, 2008 -- RADVISION® (Nasdaq: RVSN) today reported that revenues for the first quarter of 2008 were \$19.6 million compared with \$24.3 million reported in the first quarter of 2007.

The Company incurred an operating loss of \$4.1 million for the first quarter of 2008 compared with operating income of \$1.8 million in the first quarter of 2007. Excluding the effects of stock-based compensation expense related to the adoption of FAS123R in both periods, the non-GAAP operating loss was \$2.8 million in the first quarter of 2008 compared with operating income of \$3.2 million in first quarter of 2007.

The net loss for the first quarter of 2008 was \$3.1 million, or \$0.15 per diluted share, compared with net income of \$3.5 million, or \$0.15 per diluted share, in the first quarter of 2007. Excluding the effect of stock-based compensation expense (which amounted to \$1.3 million or \$0.07 per diluted share in the first quarter of 2008 and \$1.3 million or \$0.06 per diluted share in the first quarter of 2007), the non-GAAP net loss was \$1.8 million, or \$0.08 per diluted share, for the first quarter of 2008, compared with non-GAAP net income of \$4.9 million, or \$0.21 per diluted share, in the first quarter of 2007.

The Company had forecast that revenues for the first quarter of 2008 would approximate \$20.0 million and that the net loss would be approximately \$3.5 million, or \$0.18 per diluted share, including stock-based compensation expense of \$1.4 million, or \$0.07 per diluted share, related to the adoption of FAS123R. Excluding this item, the non-GAAP loss for the first quarter of 2008 was expected to approximate \$2.1 million, or \$0.11 per diluted share.

Business unit revenues for the first quarter of 2008 consisted of \$14.1 million in Networking Business Unit (NBU) sales compared with \$18.3 million in the first quarter of 2007 that included \$1.3 million related to the DVS II contract, and \$5.5 million in Technology Business Unit (TBU) sales compared with \$6.0 million in the 2007 first quarter.

The Company ended the first quarter of 2008 with approximately \$127.6 million in cash and liquid investments, equivalent to \$6.04 per basic share, a decrease of \$3.1 million from December 31, 2007. The decrease reflects the use of \$3.6 million for the repurchase of 491,303 Company shares and \$0.9 million of capital expenditures, offset by an increase of \$1.4 million in cash flow from operating activities.

Boaz Raviv, Chief Executive Officer, commented: “Our first quarter results were generally in line with our expectations. They reflect the accelerated investment in R&D and in sales and marketing we announced last quarter as part of our plan to resume and strengthen our growth. Our plan is designed to take advantage of the increasing traction of the Unified Communications market and our new competitive advantage as the last independent network infrastructure provider. The increased OPEX spending is directed towards reasserting the technology leadership of our NBU in all product categories and deepening our relationships with our OEM partners and the reseller channel.

“Our NBU benefited in the first quarter from past R&D investment, especially version 5.5 of our SCOPIA platform with SCOPIA Desktop, which was released in October. It contributed to increased sequential sales through our channel partners AETHRA and LifeSize in the first quarter, and to better than expected sales to the U.S. federal market. Our sales through Cisco were slightly lower than expected, which we believe was due to

slower deal finalization in the U.S. enterprise market because of economic uncertainty. This is expected to continue through the second quarter. We expect to see increased revenues from Cisco in the second half of the year, particularly because of the recent and planned release of several of our products by Cisco. Economic concerns have not affected the balance of our markets. We saw improved year-over-year growth in our enterprise sales in EMEA, and had our best first quarter ever in China and a strong quarter in Japan.

“We continued to introduce new products for our NBU in the first quarter, including enhancements to our SCOPIA platform to support our enterprise software provider partners, IBM and Microsoft. In January, we announced that SCOPIA 5.5 supports IBM Lotus Sametime, building upon our Click to Meet technology for them. That was followed by the introduction of the SCOPIA Office Communications Server 2007 Connector, which enhances the latest Microsoft Unified Communications solution.

“Our TBU continued to forge its leadership position in the developer market in the first quarter. In March, we announced the general availability of our ProLab Video Quality test solution and had the largest deal ever for ProLab – an advanced ProLab test tool application for a customer in the U.S. Our IMS, SIP and SIP Server products also saw growth in the quarter.”

Mr. Raviv concluded: “We are executing on our recovery plan and are fully focused on returning to operating profitability and revenue growth in the second half of the year.”

Separately, RADVISION announced that Tsipi Kagan, Chief Financial Officer, will be leaving RADVISION effective July 30, 2008. The Company currently has a search for her successor underway, which it expects to conclude in advance of Ms. Kagan’s departure.

Boaz Raviv commented: “We deeply appreciate the many contributions that Tsipi has made over the past five years to RADVISION. Her leadership and professionalism have been recognized by everyone throughout the organization. We sincerely wish her every success in the future.”

Tsipi Kagan said: “I am grateful to have been part of the RADVISION team. I am confident that the Company will continue its progress as the prominent leader in the visual communications market.”

Guidance

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

The Company expects to report revenues for the second quarter of 2008 of approximately \$20.5 million and a net loss of approximately \$3.6 million or \$0.17 per diluted share. This includes stock-based compensation expense related to the adoption of FAS123R of \$1.3 million or \$0.06 per diluted share. Excluding this item, the non-GAAP net loss for the second quarter 2008 is expected to be \$2.3 million or \$0.11 per diluted share. That compares to revenues for the second quarter of 2007 of \$24.7 million and net income of \$3.6 million or \$0.16 per diluted share, which included stock-based compensation expense of \$1.3 million or \$0.06 per diluted share related to the adoption of FAS123R. Excluding the effect of stock-based compensation expense, net income for the second quarter of 2007 was \$5.0 million or \$0.22 per diluted share. (Full details are available on the Company’s web site at www.radvision.com.)

GAAP versus NON-GAAP Presentation

To supplement the consolidated financial statements presented in accordance with generally accepted accounting principles (“GAAP”), the Company uses non-GAAP measures of operating results, net income and earnings per share, which are adjusted from results based on GAAP to exclude the expenses recorded for stock compensation in accordance with SFAS 123(R). These non-GAAP financial measures are provided to enhance overall understanding of the current financial performance and prospects for the future. Specifically, the Company believes the non-GAAP results provide useful information to both management, and investors as these non-GAAP results exclude the expenses recorded for stock compensation in accordance with SFAS 123(R) that the Company believes are not indicative of the core operating results. Further, these non-GAAP results are one of the primary indicators management uses for assessing the Company’s 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.

First Quarter 2008 Earnings Conference Call/Webcast

RADVISION will hold a conference call to discuss its first quarter 2008 results and second quarter outlook, today, Thursday, May 1, at 9:00 a.m. (Eastern). To access the conference call, please dial 1-877-601-3546 (International dialers may call +1-210-839-8500) by 8:45 a.m. (Eastern). The passcode "RADVISION" will be required to access the live conference call. A live webcast of the conference call also will be available on the Company's website and archived on the site until the next quarter. Simply click on the following link or copy it onto your browser: www.radvision.com/Corporate/Investors/FinancialReports/. 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 8th. To access the replay, please dial 1-800-879-7630 (International dialers may call +1-203-369-4000).

The PowerPoint presentation highlighting key financial metrics as well as the second quarter 2008 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 May 1st and will be archived on the website until the end of the second quarter.

About RADVISION

RADVISION (Nasdaq: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards-based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition videoconferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next-generation networks. For more information about RADVISION, visit 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-F. 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 -

CONSOLIDATED STATEMENTS OF INCOME

U.S. dollars in thousands, except share and per share data

| | Three months ended | |
|---|---------------------------|-------------------|
| | March 31, | |
| | 2008 | 2007 |
| | Unaudited | |
| Revenues | \$ 19,607 | \$ 24,265 |
| Cost of revenues | 4,197 | 5,005 |
| Gross profit | 15,410 | 19,260 |
| Operating costs and expenses: | | |
| Research and development | 8,140 | 7,665 |
| Marketing and selling | 9,383 | 7,993 |
| General and administrative | 1,999 | 1,758 |
| Total operating costs and expenses | 19,522 | 17,416 |
| Operating income (loss) | (4,112) | 1,844 |
| Financial income, net | 1,044 | 1,721 |
| Income (loss) before taxes on income | (3,068) | 3,565 |
| Taxes benefit (expense) | (3) | 26 |
| Net income (loss) | <u>\$ (3,071)</u> | <u>\$ 3,539</u> |
| Basic net earnings (loss) per Ordinary share | <u>\$ (0.15)</u> | <u>\$ 0.16</u> |
| Weighted Average Number of Shares Outstanding During the Period – Basic | <u>21,122,724</u> | <u>22,309,914</u> |
| Diluted net earnings (loss) per Ordinary share | <u>\$ (0.15)</u> | <u>\$ 0.15</u> |
| Weighted Average Number of Shares Outstanding During the Period – Diluted | <u>21,122,724</u> | <u>23,135,853</u> |

CONSOLIDATED STATEMENTS OF INCOME

U.S. dollars in thousands, except per share data

Reconciliation of GAAP to NON-GAAP Operating Results

To supplement the consolidated financial statements presented in accordance with generally accepted accounting principles ("GAAP"), the Company uses non-GAAP measures of operating results, net income and earnings per share, which are adjusted from results based on GAAP to exclude the expenses recorded for stock compensation in accordance with SFAS 123(R). These non-GAAP financial measures are provided to enhance overall understanding of the current financial performance and prospects for the future. Specifically, the Company believes the non-GAAP results provide useful information to both management, and investors as these non-GAAP results exclude the expenses recorded for stock compensation in accordance with SFAS 123(R) that the Company believes are not indicative of the core operating results. Further, these non-GAAP results are one of the primary indicators management uses for assessing the Company's 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.

The following table reconciles the GAAP to non-GAAP operating results:

| | Three months ended | | |
|---|---------------------------|---------------------|------------------|
| | March 31, 2008 | | |
| | (Unaudited) | | |
| | GAAP results | Non-GAAP | Non-GAAP |
| | (as reported) | adjustment | results |
| | | share-based | Pro Forma |
| | | compensation | |
| Gross profit | \$ 15,410 | \$ 101 | \$ 15,511 |
| Total operating costs and expenses | \$ 19,522 | \$ (1,203) | \$ 18,319 |
| Operating loss | \$ (4,112) | \$ 1,304 | \$ (2,808) |
| Loss before taxes on income | \$ (3,068) | \$ 1,304 | \$ (1,764) |
| Net Loss | \$ (3,071) | \$ 1,304 | \$ (1,767) |
| Basic net earnings per Ordinary share | \$ (0.15) | \$ 0.07 | \$ (0.08) |
| Diluted net earnings per Ordinary share | \$ (0.15) | \$ 0.07 | \$ (0.08) |

| | Three months ended | | |
|---|---------------------------|---------------------|------------------|
| | March 31, 2007 | | |
| | (Unaudited) | | |
| | GAAP results | Non-GAAP | Non-GAAP |
| | (as reported) | adjustment | results |
| | | share-based | Pro Forma |
| | | compensation | |
| Gross profit | \$ 19,260 | \$ 96 | \$ 19,356 |
| Total operating costs and expenses | \$ 17,416 | \$ (1,234) | \$ 16,182 |
| Operating income | \$ 1,844 | \$ 1,330 | \$ 3,174 |
| Income before taxes on income | \$ 3,565 | \$ 1,330 | \$ 4,895 |
| Net income | \$ 3,539 | \$ 1,330 | \$ 4,869 |
| Basic net earnings per Ordinary share | \$ 0.16 | \$ 0.06 | \$ 0.22 |
| Diluted net earnings per Ordinary share | \$ 0.15 | \$ 0.06 | \$ 0.21 |

CONSOLIDATED BALANCE SHEETS

U.S. dollars in thousands, except per share data

| | <u>March 31, 2008</u> | <u>December 31, 2007</u> |
|--|---------------------------|------------------------------|
| | <u>Unaudited</u> | <u>Audited</u> |
| ASSETS | | |
| CURRENT ASSETS: | | |
| Cash and cash equivalents *) | \$ 38,036 | \$ 45,370 |
| Short-term bank deposits *) | 46,553 | 42,242 |
| Short-term marketable securities *) | 16,871 | 28,037 |
| Trade receivables | 14,141 | 15,011 |
| Other accounts receivable and prepaid expenses | 8,292 | 8,464 |
| Inventories | 1,023 | 1,560 |
| Total current assets | <u>124,916</u> | <u>140,684</u> |
| LONG-TERM INVESTMENTS AND RECEIVABLES: | | |
| Long-term marketable securities *) | 26,121 | 15,093 |
| Long-term prepaid expenses | 1,533 | 1,618 |
| Severance pay fund | 4,863 | 4,555 |
| Long-term deferred tax asset | 3,351 | 3,394 |
| Total long-term investments and receivables | <u>35,868</u> | <u>24,660</u> |
| Property and equipment, net | <u>5,552</u> | <u>5,237</u> |
| Goodwill | <u>2,966</u> | <u>2,966</u> |
| Other intangible assets, net | <u>1,089</u> | <u>1,362</u> |
| Total assets | <u>\$ 170,391</u> | <u>\$ 174,909</u> |
| LIABILITIES AND SHAREHOLDERS' EQUITY | | |
| CURRENT LIABILITIES: | | |
| Trade payables | \$ 3,005 | \$ 2,389 |
| Deferred revenues | 6,445 | 6,429 |
| Accrued expenses and other accounts payable | 12,797 | 12,607 |
| Total current liabilities | <u>22,247</u> | <u>21,425</u> |
| Accrued severance pay | <u>5,973</u> | <u>5,656</u> |
| Total liabilities | <u>28,220</u> | <u>27,081</u> |
| SHAREHOLDERS' EQUITY: | | |
| Ordinary shares of NIS 0.1 par value | 234 | 234 |
| Additional paid-in capital | 136,631 | 135,327 |
| Treasury stock | (25,184) | (21,662) |
| Accumulated other comprehensive income | (288) | 55 |
| Retained earnings | 30,778 | 33,874 |
| Total shareholders' equity | <u>142,171</u> | <u>147,828</u> |
| Total liabilities and shareholders' equity | <u>\$ 170,391</u> | <u>\$ 174,909</u> |
| *) Total cash and liquid investments | <u>\$ 127,581</u> | <u>\$ 130,742</u> |

CONSOLIDATED STATEMENTS OF CASH FLOWS

U.S. dollars in thousands

| | Three months ended March 31, | |
|---|---|------------------|
| | 2008 | 2007 |
| | Unaudited | |
| <u>Cash flows from operating activities:</u> | | |
| Net income (loss) | \$ (3,071) | \$ 3,539 |
| Adjustments to reconcile net income to net cash provided by operating activities: | | |
| Depreciation and amortization | 912 | 809 |
| Accrued interest, amortization of premium and accretion of discount on marketable securities and bank deposits, net | 309 | 213 |
| Stock –based compensation | 1,304 | 1,330 |
| Gain on sale of property and equipment | (6) | - |
| Decrease in trade receivables, net | 870 | 2,809 |
| Decrease in other accounts receivable and prepaid expenses | 199 | 1,220 |
| Decrease (increase) in inventories | 537 | (157) |
| Decrease in long-term prepaid expenses | 85 | - |
| Deferred tax asset | (95) | (536) |
| Increase (decrease) in trade payables | 616 | (313) |
| Increase (decrease) in deferred revenues | 16 | (2,175) |
| Increase in other accounts payable and accrued expenses | 190 | 409 |
| Accrued severance pay, net | 9 | 346 |
| | <u>1,875</u> | <u>7,494</u> |
| Net cash provided by operating activities | | |
| <u>Cash flows from investing activities:</u> | | |
| Proceeds from redemption of marketable securities | 23,399 | 11,670 |
| Purchase of marketable securities | (23,360) | (16,900) |
| Proceeds from withdrawal of bank deposits | 32,739 | 38,672 |
| Purchase of bank deposits | (37,492) | (36,415) |
| Purchase of property and equipment | (954) | (832) |
| Proceeds from sale of property and equipment | 6 | - |
| | <u>(5,662)</u> | <u>(3,805)</u> |
| Net cash used in investing activities | | |
| <u>Cash flows from financing activities:</u> | | |
| Purchase of treasury stock | (3,565) | - |
| Issuance of Ordinary shares and treasury stock for cash upon exercise of options | 18 | 3,760 |
| Tax benefit related to exercise of stock options | - | 35 |
| | <u>(3,547)</u> | <u>3,795</u> |
| Net cash provided by (used in) financing activities | | |
| Increase (decrease) in cash and cash equivalents | (7,334) | 7,484 |
| Cash and cash equivalents at beginning of period | 45,370 | 23,110 |
| | <u>\$ 38,036</u> | <u>\$ 30,594</u> |
| Cash and cash equivalents at end of period | | |
| <u>Supplemental disclosure of non-cash flows from investing and financing activities:</u> | | |
| Receivables on account of shares | <u>\$ -</u> | <u>\$ 13</u> |