



Investigating the impact of viral message appeal and message credibility on consumer attitude toward brand

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Abstract

Background - Due to the rapid growth of the Internet and use of e-commerce in recent years, viral marketing has drawn the attention of manufacturing and service organizations. However, no research has been conducted to examine the impact of message appeal and message source credibility on consumers' attitude with mediating role of intellectual involvement of consumers and their risk taking level.

Purpose - The aim of this study was to examine the impact of appeal and message source credibility on consumers' attitude with mediating role of consumers' intellectual involvement and their risk taking level.

Design/methodology/approach - The population of this study includes consumers of mobile phones (Samsung, Sony, Nokia, LG and iPhone) in Bushehr city (Iran). As the population of the study is unlimited, 430 questionnaires were distributed using available sampling method, and 391 questionnaires were collected and analyzed. Using structural equation modeling, data were analyzed through smart PLS software.

Findings - The results show that the appeal and credibility of the message source have impact on consumer attitudes toward the brand. It was also found that intellectual involvement of consumers plays the mediating role in the relationship between message appeal and consumer attitudes toward brand. In the relationship between message source credibility and customer attitude towards the brand, the level of risk taking of people has no mediating role.

Research limitations/implications - Data collection tool was questionnaire in this study, and questionnaire has some disadvantages that can affect the results. Additionally, this study was conducted in Bushehr city (Iran). Therefore, we should be cautious in generalizing the findings.

Originality/value - In this study, the effect of message appeal and message source credibility on consumer attitude to brand was examined. The risk taking level of consumer and his involvement level were considered as mediating variables.

Keywords: Viral marketing, message appeal, message source credibility, consumer attitude, the level of intellectual involvement, the level of risk taking

JEL Classification: M31 Marketing, M37 Advertising

1. Introduction

Nowadays, most people, especially young people, use the Internet or tend to use social networks. The created space has provided some threats and opportunities for companies. It has also caused marketers to revise their marketing methods and pay more attention to impact of internet network on marketing methods. Word of mouth marketing refers to the transmission of information among users through language (Wu and Wang, 2011). Viral Marketing is generally a combination of word of mouth marketing and internet networks. It means that consumers send brand or messages of the company through internet network to each other. Two very important features of this type of marketing are high speed and low cost (Kaplan and Haenlein, 2011). In viral marketing, the message must

be designed in a way that it can attract people and persuade them to send this message to their family and friends. These messages are sent by users to each other via the Internet (Bahrainizadeh and Zamani, 2011). Experts believe that many factors affect the success and effectiveness of viral marketing that these factors either relate to those consumers who are exposed to message or relate to message properties or situation and context in which message is sent (Kaplan and Haenlein, 2011). Yang et al. (2012) indicated that when customers see themselves against the risks of buying, they seek the credible information and this information includes information sent through word of mouth or through the credible sources. If receiver of the message believes that message source is credible, the impact of this message on people attitude to product and brand will be more than when a

person feels that message has lower credibility (Cheung et al., 2008). McKinney (2002) also states that based on the satisfaction of the Web model, understandability, reliability, and usefulness of the information are three basic dimensions of quality information in viral marketing affecting consumer attitude toward the brand (Cheung et al., 2008). Based on what was said, companies might be aware of type of the relationship between message appeal and consumers' attitude in light of these studies. Unfortunately, very limited number of studies has been conducted on viral marketing and investigation of variables that viral marketing can be implemented by using them. Therefore, due to increasing importance of viral marketing and word of mouth marketing in the advertising strategies and methods of the companies, this study was conducted to examine the impact of emotional appeal and credibility of message on consumers' attitude toward brand.

2. Literature review and background of study

2.1. Word of mouth marketing and viral marketing

What has caused that stories like Harry Potter to be popular and famous among young people? It can be said that word of mouth marketing has played the main role in popularity of these stories. Word of mouth marketing means that customers will transmit positive or negative experiences of a given product or anything else that they like to others and people become an advertising factor for a product (Proctor and Richard, 2002). Word of mouth marketing is a type of informal communication on evaluation of product and services among the customers. In this type of marketing, customers themselves play the role of marketers for company. Word of mouth marketing plays an important role in shaping the attitudes and behavior of consumers (Lim and Chung, 2014). A vital component in the marketing process for any organization is the use word of mouth marketing because consumers become an advertiser for the organization in this type of marketing (Dinh and Mai, 2016). Viral marketing means disseminating a message or content that contains advertising or information about a company's brand through social media. In other words, it can be stated that viral marketing is a strategy encouraging people to send the advertising messages to each other. In this marketing, advertising message is disseminated as a virus among people (Beverland et al., 2014). To better implementation of viral marketing, two variables of message appeal and message source credibility can have an important role (Wu and Wang, 2011).

- **Message appeal:** Wu and Wang (2011) suggest that message appeal emotionally or intellectually affects consumer attitudes towards a product and brand. Emotional appeal affects a person emotionally and intellectual appeal represents a benefit that consumers find it from product. In other words, the intellectual appeal is the focus of message on product features that have benefit for the consumer. Emotional appeal of the message means to stimulate consumer through his emotion or feeling (Noble & Johnson, 2013). Emotions and social sharing of emotions phenomenon is key in viral communications. Dobelet et al. (2007) state that advertising message of the company should establish an emotional communication between company or brand and message

receiver so that company to be sure consumers will send this message to others and it will affect them.

- **Message source credibility:** The message source credibility means that how much the receiver of the message has trust in sender and reflects the mindset of the receiver of the message to sender. It represents consumers' attitude in relation to the source of the message (Gunther, 1992). From the perspective of Wu and Wang (2011), a credible message has two basic components including reliability and expertise. Reliability reflects the amount of trust and acceptance that the receiver of the message has toward sender that includes being reliable, unreliability, having honesty- not being honest, being reliable, not being reliable, being sincere, and insincerity. Expertise represents having the knowledge that sender of a message has about the product that includes specialized message, lack of specialized message, being experimental, not being experimental, being knowledgeable, not being knowledgeable, being qualified, not being qualified (Wu and Wang, 2011).

2.2. Consumer attitude towards the brand

According to the Marketing Association of America, the brand is a name, term, symbol, design or a combination of these items, reflecting the main nature of a company or a service (Vazifehdust et al., 2010). Brand is something more than a mere name, since it contains all communications that customer establish with features of the products (Maleki et al., 2015). According to Keller (1998), brand has three components that include brand attitude, brand benefits, and brand reputation. According to Keller (1998), brand attitude is the belief of the people to benefit obtained from the reputation, performance, and experience of brand. A strong belief in environmental performance of brand leads to a positive attitude towards brand in consumer. Attitude includes favorable and unfavorable evaluations, emotions or feelings and behavioral attitudes (Wu and Wang, 2011).

According to Wu and Wang (2011), the attitude consists of three components:

- **Cognitive component:** it includes knowledge and understanding that consumers obtain after consuming the product or receiving the information.
- **Stimulating component:** it is the emotional reactions of consumers toward the brand representing consumer evaluation of the product or brand.
- **Effort component:** it represents hatred, tendency, behavior, or individual performances toward a product or brand.

According to Kachersky et al. (2015), people attitude toward the brand can include three components: cognitive, emotional and functional.

2.3. Level of intellectual involvement

There are different definitions of intellectual involvement. The key component of this concept is personal dependence or attachment and there is a general agreement that the level of intellectual involvement of consumer to a target is determined based on its importance to the consumer (O'Reilly & Marx, 2011). The level of intellectual involvement reflects the importance of that product to the customer and represents consumer interest in the product (Yang et al., 2012). Intellectual involvement is defined as perceived dependence or

attachment of a target based on basic needs, values, and interests. Target word is used in a general sense and refers to a product or brand, advertising or a shopping situation (Nowrouzi & Qalandari, 2009).

2.4. Level of risk taking

Consumers differ in terms of risk taking. Studies show that the level of risk taking of people depends on internal factors of the person and it does not depend on external considerations of market. Risk includes two components of the uncertainty of the results and the importance of negative results of a choice, and people may differ in both components and they may differ from one situation to another situation (Vazifehdust et al., 2010). Gounaris and Stathakopoulos (2010) believe that consumers become loyal to one product or brand to reduce the perceived risk. This loyalty is high in risk-averse people. They showed that consumers’ risk-averse leads to loyalty and their dependence on one brand (Bahrainizadeh and Ziaei, 2012).

2.5. Relationship between message appeal, message credibility and consumer attitude toward brand

Using appeal in advertising message is known strategy in advertising, since merely information in a message does not lead to the motivation of consumers but stimulating

the feelings leads to motivation (Wang and Lee, 2005). Hawkins et al. (2003) state that rational appeal acts through rational reasoning and leads to change in behavior and belief of consumer toward brand through thinking. In contrast, emotional appeal stimulates the person psychologically leading to change in attitude and behavior of the person. Additionally, Kim and Lee (2012) suggest that message appeal affects sender expertise and message source credibility, that is one component of message source credibility, affects the consumer attitude toward brand indirectly. Generally, customers mostly like to receive information sent to them through non-profit organizations. If the message is sent from a non-profit organization, people will pay more attention compared to the message sent from a business or manufacturing company (Smith et al., 2005). Recent research also showed that source message credibility has a significant impact on consumer attitudes and plays an important role in the effectiveness of advertising companies. Source of message credibility means creditability of message sender (Clow et al., 2006). Credibility of source of message sent via internet affects the perception of consumer to information sent for him and it leads to creation of positive attitude in consumer toward product brand at the same time (Chiou & Hsu). Kim and Lee (2012) suggest that message appeal affects sender expertise and message

Table 1: Research literature

Row	Title of research	Researcher/ researchers	Results of findings
1	Investigating the effects of electronic word of mouth marketing	Cheung et al. (2008)	The results show that two main variables have a significant impact on the acceptance of information in the word of mouth marketing. These two variables include logical quality of the message and source of the message credibility. In this study, it was shown that two dimensions of source of message credibility namely expertise and reliability have direct impact in acceptance of information.
2	Why viral message is sent?	Dobele et al. (2007)	In this study, they examined the role of emotions and feelings in viral messages. The results showed that the feelings of surprise, cheerfulness and sadness had the greatest impact on message transmission, respectively.
3	Investigating the impact of message credibility and message appeal on attitude toward brand	Wu and Wang (2011)	The results indicate that source of message credibility has direct impact on consumer attitudes toward brand in the viral marketing. In addition, at the high involvement, intellectual appeal of the message has high impact on consumer attitude toward brand. Generally, it can be said that source of message credibility has more impact on consumer attitude compared to message appeal.
4	How customers evaluate the credibility of viral message?	O’Reilly & Marx (2011)	The results showed that the level of risk taking and intellectual involvement of consumers play the mediating role in relation with consumer attitudes towards brand. Another finding of this study shows that source of message credibility depends on four factors of message repeat, being rational, finding the dependent source, and previous experience of the brand.
5	The impact of viral marketing on brand	Moore (2003)	This research examines the impact of viral marketing on organizations brand and different products. Its results indicate that viral marketing affects consumers’ attitude to the brand.

6	The impact of viral messages on rate of message sending in the media communications process	Jafariyani & Doaee (2010)	The results show that among the various feelings, the feeling of surprise, cheerfulness and fear have a positive effect on the rate of transmission of viral message and sadness virus affects the transmission of viral message negatively. Additionally, anger and hatred have no effect on viral message transmission.
7	Investigating the impact of word of mouth marketing incentives on consumer attitude	Pongjit & Beise-Zee (2015)	The results of this study show that organizations using word of mouth marketing require long-term incentives. Additionally, these organizations should use mutual communications to influence consumers.
8	Investigating the impact of TV advertising appeal on consumer attitude toward brand	Feiz, Fakharyan, Jalilvand, & Hashemi (2013)	The results showed that advertising appeal dimensions (feelings of fear appeal, relative appeal, and humor appeal) have impact on consumer attitude toward advertising of a company.

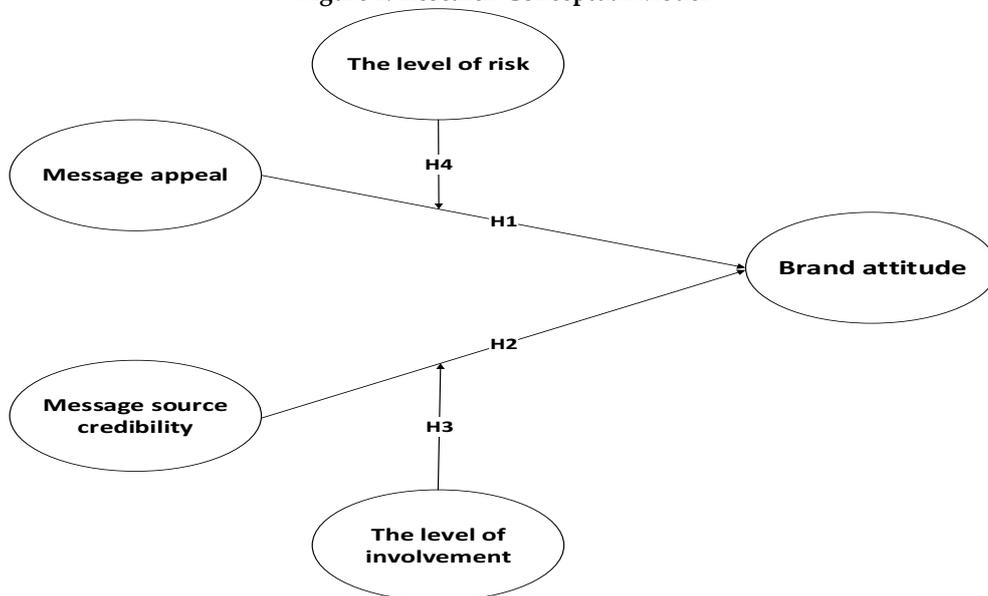
Source: Provided by authors

2.7. Conceptual model of research

This study aims to examine the effect of appeal and credibility of the source of viral messages on consumers' attitude toward the brand according to mediating role of level of intellectual involvement and risk taking level of consumer. By studying the theoretical and experimental literature on research topic and taking into account the results of research conducted by Wu and Wang (2011),

Wang et al. (2005), O'Reilly and Marx (2011) and Gerard & Liu (2009), research hypotheses were developed. By identifying the key variables of study and making relationship between them through theoretical and experimental literature, conceptual framework of this study was developed. The conceptual framework of this research is shown in Figure 1.

Figure 1: Research Conceptual Model



3. Methodology

This research is applied in terms of goal, and in terms method of data collection is a descriptive survey and correlation. The study population included all people using mobile phones (Samsung, Sony, Nokia, LG and iPhone) in the city of Bushehr. Due to large population, sampling was used in this study. Based on unlimited population of Cochran formula, sample of study was determined to be over 384 subjects at 95 percent confidence level and 5 percent sampling error.

In this study, by convenience sampling, 430 questionnaires were distributed among the population using available sampling that eventually 391 questionnaires were returned. Data were collected through questionnaire. The Questionnaire consists of three parts, including introduction, the demographic questions, and questions measuring the main variables of research. To measure the research main variables, 28 questions were developed through combining two questionnaires of Wu and Wang (2011) and O'Reilly and Marx (2011). Five-item Likert scale (from strongly agree to strongly disagree) was

used to measure the variables of the study. Table 2, provides information on development of questions of the questionnaire. As the questionnaire of this research was developed by combining two questionnaires of other researchers and validity of variables has already been measured, it can be said that the research questionnaire is valid. However, content validity method was used to determine the validity of the research. For this purpose, the developed questionnaire was provided for a number of university professors in the field of management and marketing and consumers of mobile phones, and they were asked to express their ideas and views on validity of

questionnaire. After collecting the views, the final questionnaire was developed. To measure the reliability of the research questionnaire, Cronbach's alpha coefficient was used. Cronbach's alpha coefficient for all variables is higher than 0.7 and it is 83% for total questionnaire, suggesting that reliability of questionnaire is at the desired level. Additionally, Average Variance Extracted (AVE) Index was used to measure the validity of the questions of the questionnaire, and composite reliability (CR) coefficient was used to measure the reliability of the questionnaire (Hair et al., 2011). Table 2, shows the results of validity and reliability indices of the questionnaire.

Table 2: Variables of the study and sources to extract the items and the reliability results

Variable	Number of items (questions)	Resources of questionnaire	AVE	CR	Cronbach's alpha coefficient
Message appeal	6	(Wu & Wang, 2011)	0.51	0.84	0.77
The message source credibility	6	(Wu & Wang, 2011); (O'Reilly & Marx, 2011)	0.62	0.92	0.71
Consumer attitude toward brand	8	(Wu & Wang, 2011)	0.61	0.85	0.80
Level of consumer involvement	4	(Wu & Wang, 2011)	0.63	0.66	0.77
Level of consumer risk	4	(O'Reilly & Marx, 2011)	0.65	0.84	0.73
Total questionnaire	28				0.83

Source: Provided by authors.

In order to calculate the convergent validity, AVE index was used. If the AVE value is at least equal to 0.5, it indicates that the variables have good convergent validity (Hair et al., 2011). This means that latent variable can explain more than half of the variance of the visible or observed variable in average. As average variance extracted (AVE) index for all variables was higher than 0.5 in this study, convergent validity of model variables was confirmed. Composite reliability (CR) coefficient and Cronbach's alpha coefficient measure the reliability of the questionnaire. As Table 2 shows, since composite reliability coefficient (CR) and alpha coefficient are higher

than 0.7 for all variables of study, the reliability of the questions in the questionnaire is at acceptable range.

To test the hypotheses and conceptual model of study, structural equation modeling (Partial Least Squares) through smart PLS software was used.

4. Data analyses and results

4.1. Descriptive results of the research data

To analyze the data, descriptive statistics was used to analyze demographic variables. Table 3, is related to demographic variables of the study that they were analyzed through collecting 391 questionnaires.

Demographic variable	Levels	Percentage of frequency
Gender	Male	53.8
	Female	41.7
Education	Diploma and lower	15
	Associate	20
	Undergraduate	45
	Graduate and higher	20
Age	18 to 25 years	24.8
	26 to 35 years	38.4
	36 to 45 years	27.3
	Over 45 years	9.5
Phone brand	Sony	27.3
	Nokia	35
	Samsung	20.2
	LG	6.8
	iPhone	5.8

Source: Provided by authors.

As shown in Table (3), 53% of respondents are men and 41% of them are female. In addition, 27% of them are consumers of Sony, 35% of them are consumers of Nokia, 20% of them are consumers of Samsung, 7% of them are consumers of LG and only 6% of them are consumers of iPhone. In addition, 15% of respondents have diploma and lower, 20% of them have an associate's degree, 45% of

them are undergraduate, and 20% of them are graduate and higher.

The data in Table 4 show that the highest mean was related to level of risk taking and the lowest mean was related to people involvement level with product. Additionally, the highest standard of deviation was related to consumer attitude and the lowest standard of deviation was related to message appeal.

Table 4: Descriptive information of research variables

Variable	Mean	SD	Kurtosis	Skewness
Message source credibility	3.41	0.85	-0.894	-0.139
Message appeal	3.61	0.75	0.234	-0.254
Consumer attitude towards brand	3.52	0.97	-0.485	0.453
Level of consumer involvement	3.40	0.77	-0.651	0.582
Level of consumer risk	3.64	0.79	0.875	0.039

Source: Provided by authors.

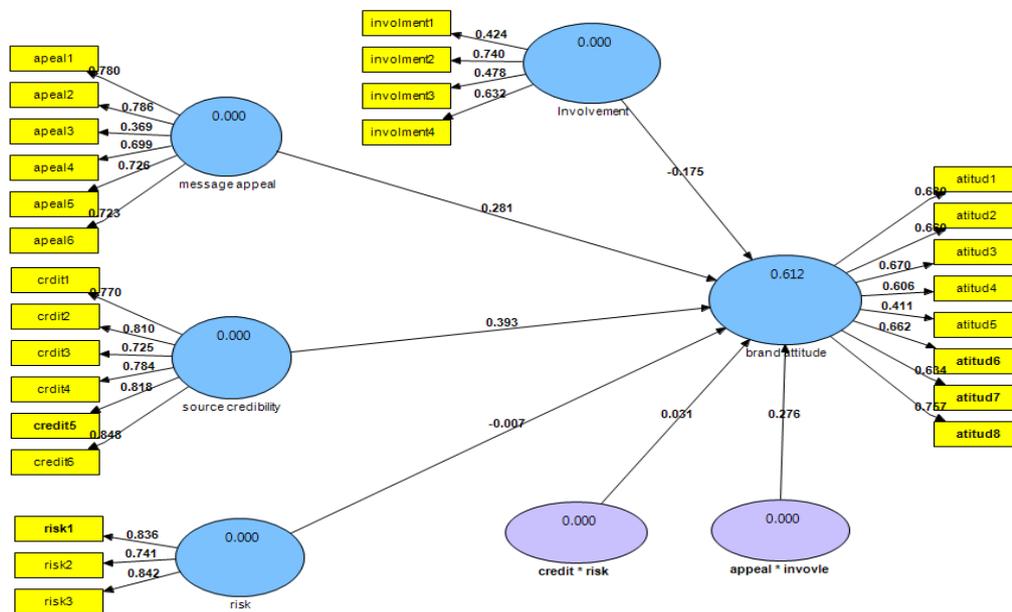
As Table 4 shows, the highest mean was related to level of consumer risk and the highest standard of deviation was related to Consumer attitude towards brand. In addition, the indices of Skewness and Kurtosis show that research data are distributed normally.

4.2. Testing the conceptual model of research

Conceptual model and research hypotheses were tested using structural equation modeling through smart PLS software. All variables of study were converted into

visible or observed and latent variables. Observed variables (rectangles) are measured directly by the researcher, while the latent variables (Oval) are not measured directly, but they are inferred based on relationships or correlations among the measured variables. Latent variables represent some theoretical constructs that are not visible directly, while they are constructed and observed through other observed variables. Figure 2 shows the model of the study in the estimation of the path coefficients mode.

Figure 2. Confirmatory factor analysis, measurement and structural model with along standardized coefficients values



The numbers in the oval are determination index. The coefficient of determination (R2) examines that what percentage of the variance of a dependent variable is explained by independent variable(s). Therefore, it is natural that this value for the independent variable to be zero and more than zero for the dependent variable. When this value is higher, the impact of independent variables

on dependent variable will be higher. Therefore, we can say that three variables of message source credibility, message appeal, level of consumer involvement and level of risk taking could explain the consumer attitude variable. The remaining percentage is related to prediction error and it can include other affecting factors that they were not considered in this study.

Figure 3. Confirmatory factor analysis, measurement and structural model with along significance coefficients (t-value)

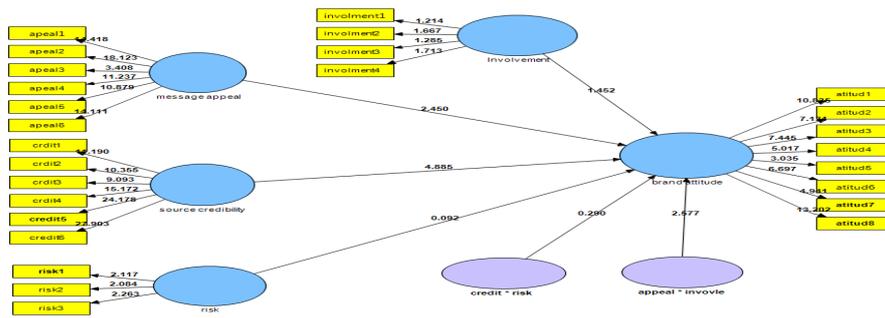


Figure 3 shows different model of research in significance coefficients absolute value mode ($|t\text{-value}|$). In fact, this model tests all measurement equations (factorial loads) and structural modeling (path coefficients) using statistic t. According to this model, if the value of statistic t is higher than 1.96, path coefficient and factorial load will be significant at the 95% confidence level, and if the value of statistic t is lower than 1.96, factorial load or path coefficient will not be significant. Additionally, if the value of statistic t is more than 2.58,

path coefficient and factorial load will be significant at the confidence level of 99%.

Model fit indicators are one of the most important parts in the analysis of structural equation modeling. These indices answer the question that whether the model represented by the data, confirms the measurement model of the study? The results of model adequacy indices (harmonize) and assessing the relationships between the various elements of the model is shown in Table 5.

Table 5: Indicators conceptual model fit in the implementation of structural equation modeling

Index model fitting	X ² /DF	P	CFI	NFI	RMSEA	IFI	RFI
Acceptable fit	$\leq 1 \leq 3$	≥ 0.05	≥ 0.9	≥ 0.9	≤ 0.09	≥ 0.9	≥ 0.9
Obtained Value	1.010	0.422	1.000	0.973	0.005	1.000	0.943

Source: Provided by authors.

Based on data derived from the implementation of confirmatory factor analysis in structural equation model, the conceptual model was confirmed. The results of model adequacy indices (harmonization) and assessment of the relationships between various factors approve this fact.

After extracting data related to confirmatory factor analysis, we can test the main hypotheses of research. According to the results obtained from the path coefficients and significance coefficients or statistics t (Figures 2 and 3), we can say that message source credibility has positive and significant impact on

consumer attitudes at a confidence level of 99%. Additionally, message appeal has a significant positive impact on consumer attitude. It was also found that the intellectual involvement of consumers plays mediating role in the relationship between message appeal and consumer attitude toward brand. However, people the level of risk taking does not play the mediating role in the relationship between message source credibility and consumer attitude toward brand. Table 6 shows the summery of testing the main hypotheses of the study.

Table 6: Testing the main hypotheses of the study

Hypotheses	Standardized path coefficient	T-value	P-value	Result
H ₁ : The appeal of viral message can have a positive impact on consumer attitude toward the brand	0.281	2.450	0.000	Accepted
H ₂ : Message source credibility has a positive impact on consumer attitude toward brand.	0.394	4.885	0.000	Accepted
H ₃ : In the relationship between a message source credibility and consumer attitude toward the brand, the level of consumer risk taking plays the mediating role.	0.031	0.290	0.097	Rejected
H ₄ : In the relationship between message appeal and consumer attitude toward the brand, the level of consumer involvement plays the mediating role.	0.276	2.577	0.000	Accepted

Source: Provided by authors.

5. Conclusion and recommendation

In this study, the effect of message appeal and message source credibility on consumer attitude to brand was examined. The risk taking level of consumer and his involvement level were considered as mediating variables. The results of this study showed that consumer level of involvement, message appeal, and message source credibility are very important factors affecting the attitude of consumer (brand trust, brand interest, and purchasing severity of consumer). The first result indicates that the message source credibility has significant positive impact on consumer attitude toward brand. It means that if consumer realizes that the source of viral message sent for him is credible, he finds a positive attitude to brand or product of the company. In addition, consumers send these messages to others when they recognize that sources of the message are credible. Therefore, to increase the effectiveness of the word of mouth marketing, companies should increase their professionalism and message source credibility. Professionalism emphasizes on knowledge and experience of providers. This result is consistent with the results of researchers such as Gerard & Liu (2009), Clow et al. (2006), and Wu & Wang (2011). The second result showed that message appeal has significant and positive impact on consumer attitude toward the brand. This means that how viral messages that companies send them for consumers are appealing from the consumers' perspective. When they find these messages appealing, they will more likely send them for others. Therefore, it is better for companies using viral marketing to use intellectual and emotional appeals. The results of the research are consistent with results of researchers such as Wu & Wang (2011), Jafariyani & Doaee (2010), and Kim & Lee (2012). In this study, it was hypothesized that the intellectual involvement of consumer has the mediating role in the relationship between message appeal and consumer attitude toward brand. The results of this study showed that this hypothesis is confirmed. The results of this study show that this hypothesis is confirmed at 95%. By confirming this hypothesis, it can be stated that consumers who have a high level of intellectual involvement, if advertising messages sent to them are appealing (rational and emotional appeal), they will find positive attitude to the considered brand and they will send the message for others. Therefore, it is better for companies using viral advertising to send advertising messages to people who have a higher level of involvement. Another result shows that risk-taking level of people has no mediating role in the relationship between message source credibility and consumer attitude toward a brand. However, O'Reilly & Marx (2011) point out that people risk taking level can have mediating role in the relation with consumer attitude. It seems that due to cultural differences or differences in the type of products chosen, the result of the study is not consistent with results of other researchers. The findings of this study indicate that the use of viral marketing and word of mouth marketing requires using credible sources. Based on studies conducted, it was found that in the products that people have lower involvement level, it is better that

emotional message to be used so that people send the messages to each other. In general, the results showed that the source of the message credibility has significant and positive impact on consumer attitudes, purchase intention, brand interest and brand honesty. The results of this study also show that message appeal has a positive impact on the attitude. This finding says for companies using viral marketing that how their message should be designed so that it can affect the consumer. In addition, findings of this study suggest that it is better that viral advertising message of the companies to be more productive rationally and intellectually for people who have higher involvement level so that consumers believe that the message source is credible. On the other hand, it is recommended that emotional images to be used in the viral message for people who are at the lower involvement level.

The results of this research can be used by all companies using viral marketing and word of mouth marketing. According to the findings of the research, the following applied recommendations are provided for companies:

1. Research findings show that regardless of people risk taking level, the source of the message credibility is one of the factors affecting consumer attitude (brand interest, brand honesty, and purchase intention) in the case of brand of the phone manufacturer companies. Therefore, to be successful in viral marketing, these companies should design their advertising messages in such a way that consumers to feel that the source of the messages is credible.

2. Based on the research literature, when consumers have a high higher level of intellectual involvement to the product, it is better that companies to use intellectual or rational appeals, and when consumers have lower level of intellectual involvement, it is better that emotional appeals including images to be used.

3. When the intellectual involvement of consumers is high, they will pay more attention to source of the message. Therefore, when consumers of the product have higher intellectual involvement, it is better that more attention to be paid on source of message and companies should do their best so that their consumers to perceive that their messages is credible.

Research activities have always been faced with limitation in the implementation that can have an impact on results and reduce its generalize. This study is also no exception. For example, data collection tool was questionnaire in this study, and questionnaire has some disadvantages that can affect the results. In addition, in the questionnaire text, the name of mobile phones manufacturing companies such as Samsung, LG, Nokia and the iPhone has been mentioned. As a result, users of mobile phones may make mistakes in remembering promoting and advertising activities of the companies, and this can have an impact in the completion of the questionnaire. Additionally, this study was conducted in Bushehr city (Iran). Therefore, we should be cautious in generalizing the findings.

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