

NOKIA

NOKIA PRODUCT TRACKING

NOKIA 2, 3, 8

26 February - 04 March

Objectives

Campaign: Nokia Brand & Nokia 2 - Nokia 3 - Nokia 8

Brand: NOKIA

Objectives: Measure the results of social media discussions about Nokia brand, Nokia 2, Nokia 3, Nokia 8

<u>Channels:</u> Vietnam's online news & social media (social networks, videos, forums, blogs, reviews sites, major e-

retailers,...)

Period: 26 February - 04 March

Report focus:

- Buzz Volume & Engagement of Nokia Brand/Product (In comparison week by week)
- Overall Performance by channels
- Sentiment Performance of Nokia Brand/Product
- Attribute Performance of Nokia Brand/Product
- Seeding Contribution
- Top Content & Top Sources
- Competitors Understanding



Agenda

- 1. Social Insight & Recommendation
- 2. Executive Summary
- 3. Overview of Nokia 2, 3, 8
 - Buzz Trendline Overview
 - Buzz volume of each product (In comparison week by week)
 - Engagement of each product (In comparison week by week)
 - Seeding Contribution in terms of Buzz Volume and Sentiment Redemption
 - Top 5 sources of positive/negative mentions
- 4. Focus on each of Nokia products (Nokia 2, 3, 8)
 - POE Performance
 - Sentiment Performance
 - Attribute Performance
- 5. Focus on Nokia Brand
 - Sentiment Performance of Nokia Brand
 - Attribute Performance of Nokia Brand
- 6. KOL/Influencer Performance
 - Buzz volume
 - Sentiment Performance
- 7. Competitors Overview: Samsung, Oppo, Xiaomi, Huawei, Vivo
 - Highlight products
 - Highlight tactics



SOCIAL INSIGHT & RECOMMENDATION

RESEARCH & SOLUTIONS



Since there were many discussions raised from users about their usage issues on the phone. Articles sharing clear usage instructions from brand would be much helpful to communicate with its audiences



SOCIAL INSIGHT



WHAT-TO-DO



"Should I update my phone to the latest Android OS version although I had been waiting for its release?"



This was the question raised most by users during this period. They want to know how was the usage experience after the phone was updated to that OS version, which was considered to be a risk for them. Therefore, a detailed article about usage experience of new OS version will much help them in this dilemma. The article should be aired on tech groups and communities such as Tinh Tế, Review Dạo, Android Việt Nam...

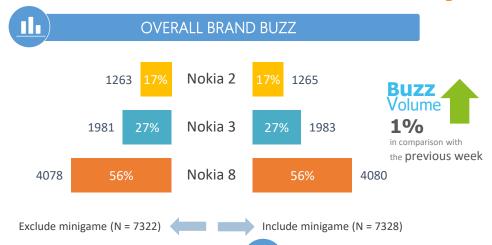


EXECUTIVE SUMMARY

RESEARCH & SOLUTIONS



Executive Summary





WHAT MAKE UP BUZZ

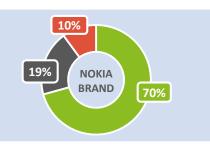
The main buzz generators for Nokia 2, Nokia 3 and Nokia 8 were:

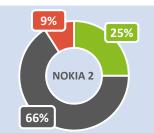
- User's discussions on Hỏi Đi Đáp Luôn (công nghệ) and Nokia user communities Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5, 3, 2-Nokia HMD Global.
- User's discussions under the official commercial pages from retailers such as Thế Giới Di Động.
- Articles about Nokia smartphones from Tinh Tế forum (link, link).

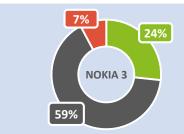
Nokia 8 in particular also was highly discussed because there were a lot of users raising their purchase consideration in community groups when this phone was on sales.

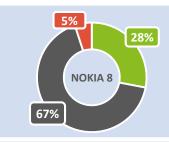


SENTIMENT PERFORMANCE









Color code: ■ Positive ■ Negative ■ Neutral

- ✓ Users took really high interest in Nokia's discount program for Nokia 8, together with their purchase intention, trust and advocacy.
- User's disappointment at today's Nokia.
- ✓ Overall compliments on the lengthy battery lifetime & user's recommendation on buying the phone.
- ✗ User's reports for the slow charging speed, rapid battery drain & overheating status.
- ✓ Users praised for the smooth performance after updating the phone to the Android 8.0 beta version.
- ➤ User's reports for the multi-touch & charging issues.
- ✓ User's recommendation on choosing Nokia 8 thanks to its powerful technical specifications with very good price
- * Poor camera performance & monotonous storage of internal apps were the downside of the device.

PRODUCT OVERVIEW

- **❖** BUZZ TRENDLINE
- ❖ BUZZ VOLUME OF EACH PRODUCTS & HIGHLIGHT ACTIVITIES
- ENGAGEMENT OF EACH PRODUCTS & HIGHLIGHT ACTIVITIES
- SEEDING CONTRIBUTION IN TERMS OF BUZZ VOLUME & SENTIMENT REDEMPTION

SECTION

01

Buzz trend line of Nokia 2-3-8 peaked on 27-Feb and 03-Mar thanks to articles on Tinh Tế forum about Nokia smartphones. Besides, another buzz contributor was user's discussions on tech groups and Nokia 8 was the most discussed device





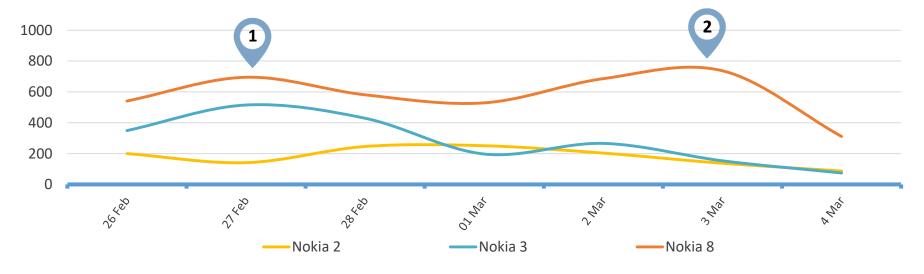
- Article reporting that all Nokia smartphones will be empowered by Android One OS from <u>Tinh Tế</u> forum





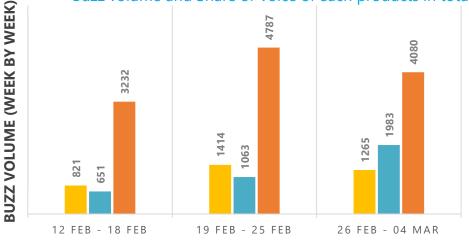
Article reviewing the pros and cons of each Nokia smartphones from Tinh Tế forum

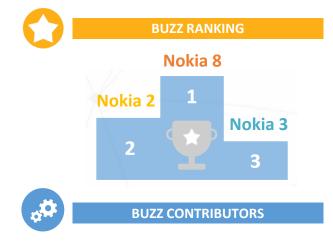
MENTION TRENDLINE DAY BY DAY OF EACH PRODUCTS

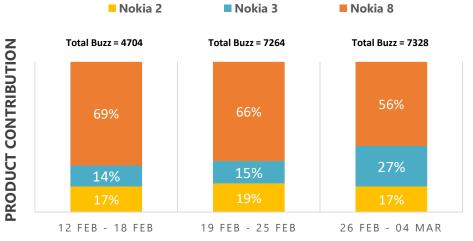


Nokia 2-3-8 maintained the average level of buzz with nothing noticeable. Audiences are now excitingly talking about Nokia 8 Sirocco & Nokia 7 Plus than these three

Buzz volume and Share of Voice of each products in total Nokia brand





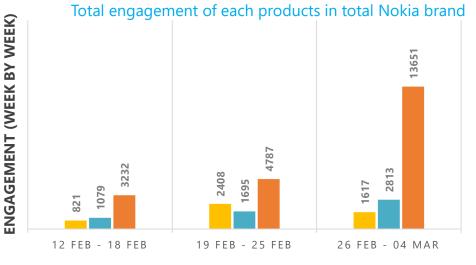


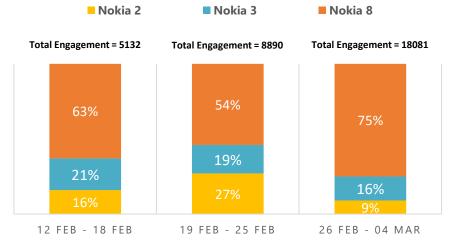
Buzz volume of Nokia 2, Nokia 3 and Nokia 8 was mainly made from:

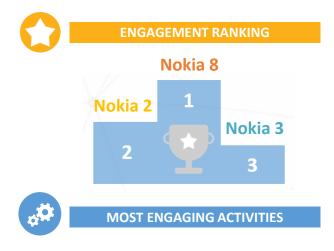
- User's discussions on Hỏi Đi Đáp Luôn (công nghệ) and Nokia user communities - Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5, 3, 2-Nokia HMD Global.
- User's discussions under the official commercial pages from retailers such as Thế Giới Di Động.
- Articles about Nokia smartphones from Tinh Tế forum (<u>link</u>, <u>link</u>).

Nokia 8 in particular also was highly discussed because there were a lot of users raising their purchase consideration in community groups when this phone was on sales.

Likes from commercial posts of dealers were the main source of engagement. While the most discussed activities were user's discussions from tech groups & communities





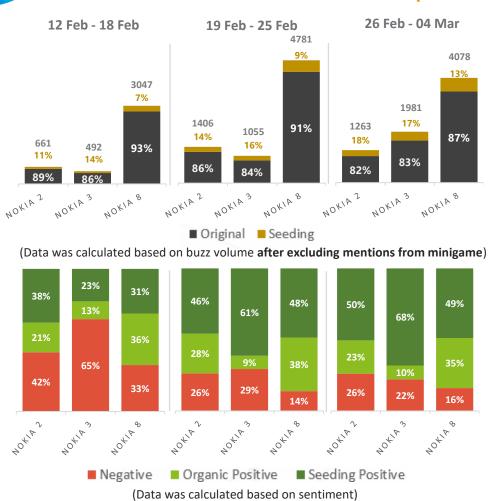


User's engagement of the above devices mostly gained from:

- Advertising posts for Nokia products from dealers <u>TGDĐ</u>, <u>FPTShop</u>.
- User's discussions from tech groups and communities.

PRODUCT CONTRIBUTION

Audiences currently do not proactively talked nice things about Nokia 2, 3, 8. Discussions were almost user's reports for the technical glitches on these devices





SEEDING CONTRIBUTION

As time goes by, the pure sentiment performance of three devices were getting worse. That explained why the amount of seeding was getting more and more.

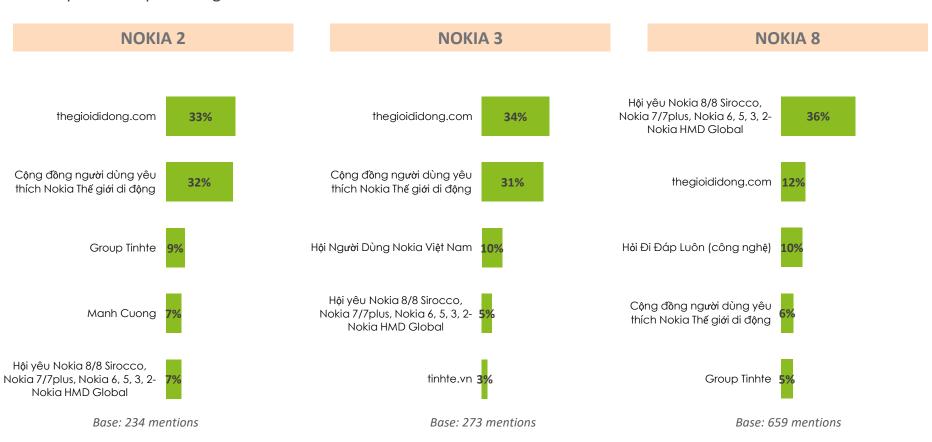
In terms of sentiment, it can be seen from the charts that the organic positive ratio was quite modest over time and had a tendency to fall.

Quid pro quo, the negative figure of three devices have been controlled at the same level during the last two weeks.

(The detailed analysis of sentiment performance will be deep dive in the following sections).

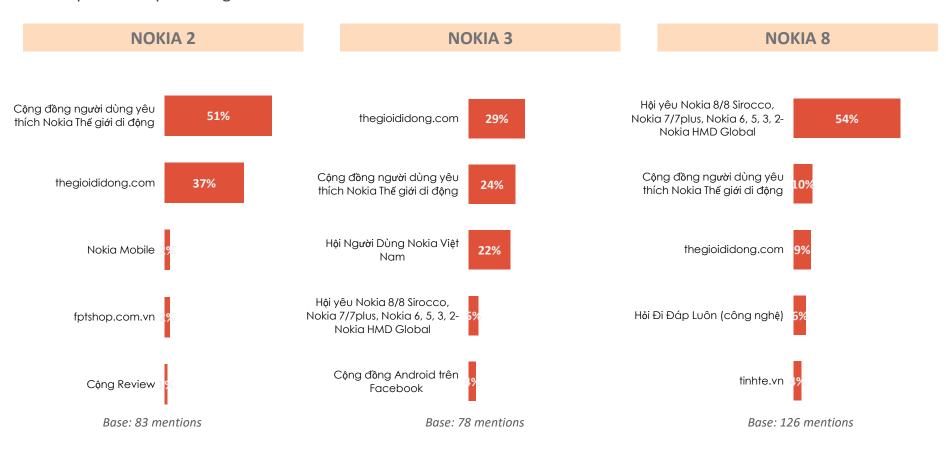
Top 5 Sources of Positive Mentions

The following charts indicate the contribution of a particular source to the positive mentions of each Nokia smartphones in percentage terms.



Top 5 Sources of Negative Mentions

The following charts indicate the contribution of a particular source to the negative mentions of each Nokia smartphones in percentage terms.



FOCUS ON EACH PRODUCTS

- ❖ P.O.E. PERFORMANCE, SENTIMENT PERFORMANCE & ATTRIBUTE PERFORMANCE OF NOKIA 2
- ❖ P.O.E. PERFORMANCE, SENTIMENT PERFORMANCE & ATTRIBUTE PERFORMANCE OF NOKIA 3
- **❖** P.O.E. PERFORMANCE, SENTIMENT PERFORMANCE & ATTRIBUTE PERFORMANCE OF NOKIA 8

SECTION

02





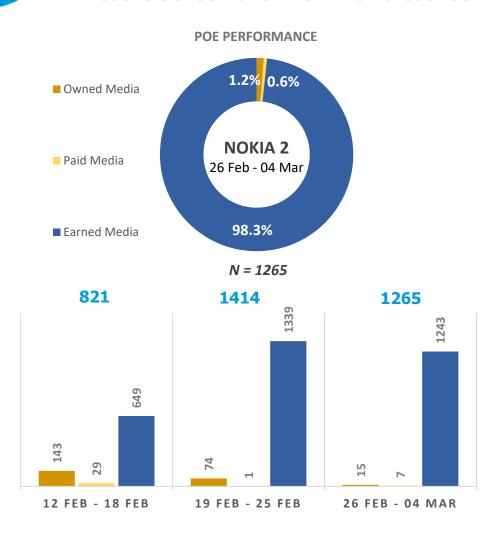
NOKIA 2

Live more between charges





Approximately 100% of buzz volume of Nokia 2 came from Earned Media thanks to user's conservation from Nokia user communities

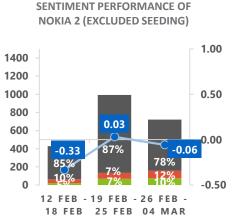


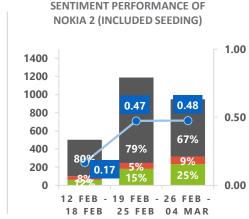


BUZZ CONTRIBUTORS

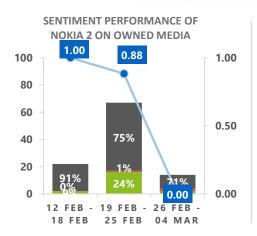
- Owned media: User's conservation under advertising post (link) on owned fanpage
- Paid media: Article from Tinh Tế forum (link)
- **Earned media:** Official commercial page of Nokia 2 from dealer (<u>link</u>), user's conversations from Nokia user communities (<u>link</u>, <u>link</u>, <u>link</u>)

The sentiment performance of Nokia 2 was still bad since due to plenty of user's reports for the technical flaws on the phone, especially after 'reset all settings'



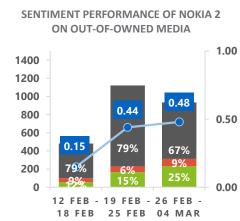


■ Negative



Positive

■ Neutral





SENTIMENT PERFORMANCE

The sentiment performance of Nokia 2 was greatly redeemed by seeding effort since, without seeding, it was a negative number. The phone was most complaints about numerous bugs during using progress.



POSITIVE DRIVERS

- ✓ Cheerful mood when users were informed that Nokia 2 was going to updated to Android 8.1 OS version
- ✓ User's compliments on the long-lasting battery lifetime
- √ User's recommendation on buying the phone



NEGATIVE DRIVERS

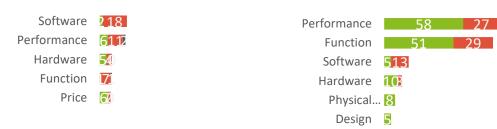
- ★ Super slow charging speed
- Poor wifi/3G signal
- * Rapid battery drain & overheating status
- ✗ App crashing issue

Note: Sentiment ratio bases on the number of remaining mentions after excluding the unrated ones Sentiment index = (positive index – negative index)/(positive index + negative index)

Feedbacks on Product Attributes

19 Feb - 25 Feb

PRODUCT ATTRIBUTE PERFORMANCE



Design 14 Physical... <mark>6</mark>

26 Feb - 04 Mar

4156

12 Feb - 18 Feb

FOCUS ON POSITIVE DISCUSSED ATTRIBUTES

[Performance] Long-lasting battery life

Verbatim: Mua nokia 2 đi bác pin cực trâu - <u>Link</u>

Verbatim: Fb cả ngày ko cần sạc - Link

[Function] Good wifi connectivity

Verbatim: Wi-fi thì bắt quá mạnh rồi - Link

Verbatim: No.2 ngon :v Bắt wifi đâu có tệ đâu ta? - Link

• [Design] Comfortable handling experience

Verbatim: Cam em tay sướng - Link

Verbatim: Cầm sang lắm ông . Mát tay với khung nhôm nữa chớ - <u>Link</u>

FOCUS ON NEGATIVE DISCUSSED ATTRIBUTES

Positve

■ Negative

■ Neutral

• [Function] Taking too long for a full charge

Performance

Function

Software

Hardware

Verbatim: Nokia 2 cuả mình sạc pin lâu qúa anh em. - <u>Link</u>

Verbatim: Sạc pin lâu lắm tầm 4 đến 5 tiếng lận. - <u>Link</u>

[Performance] Overheating status

Verbatim: sài chút nóng phỏng tay phía dưới camera. Có ai bị như tui ko.

Sợ nổ pin quá - Link

Verbatim: ...mà lại nóng kinh khủng - <u>Link</u>





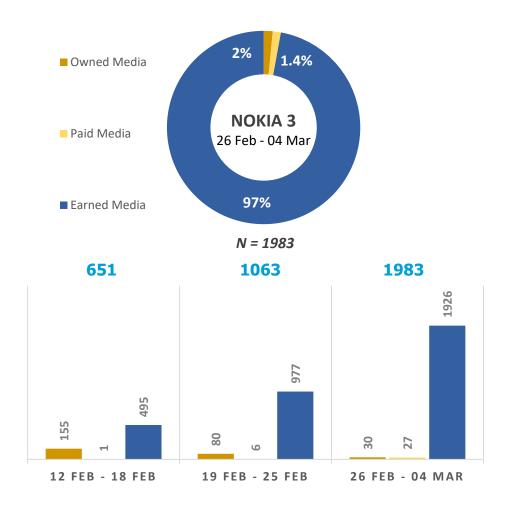
NOKIA 3

Beautiful simplicity





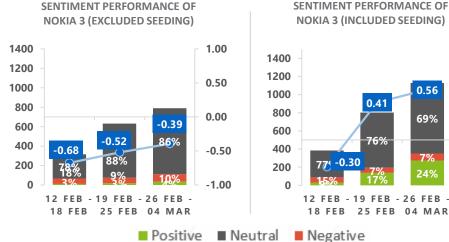
Approximately 100% of buzz volume of Nokia 3 came from Earned Media thanks to user's conservation from Nokia user communities

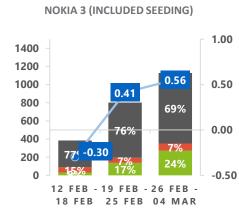


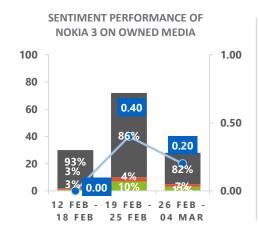
BUZZ CONTRIBUTORS

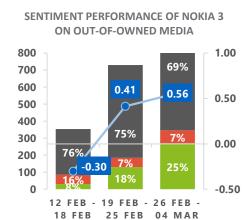
- Owned media: User's conservation under advertising post (link) on owned fanpage
- Paid media: Articles from Techrum, Tinh Tế Forum (link, link)
- Earned media: Official commercial page of Nokia 3 from dealer (<u>link</u>), user's conversations from Nokia user communities (<u>link</u>, <u>link</u>)

This week, the sentiment performance of Nokia 3 had a slight improvement thanks to the release of Android 8.0 beta version for this phone











SENTIMENT PERFORMANCE

Almost discussions about Nokia 3 on social media were user's reports and complaints about the phone, that's why the negative ratio overwhelmingly outweighed the organic positive one. Seeding had greatly redeemed the situation compared to its pure performance.



POSITIVE DRIVERS

- ✓ Smooth performance after updating the phone to the Android 8.0 beta version
- ✓ Lengthy battery life



NEGATIVE DRIVERS

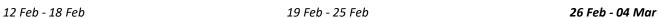
- ➤ Inability to multi-touch of the touchscreen
- Unable to be fully charged
- * Technical bugs on the phone of after updating the phone to the Android 8.0 beta version

Note: Sentiment ratio bases on the number of remaining mentions after excluding the unrated ones Sentiment index = (positive index - negative index)/(positive index + negative index)

Feedbacks on Product Attributes

PRODUCT ATTRIBUTE PERFORMANCE





FOCUS ON POSITIVE DISCUSSED ATTRIBUTES

 [Software - Performance] Android 8.0 features longer battery life on the phone

Verbatim: Bản beta 8.0 mình đã chờ đợi từ lâu. Khá hay là trình chạy 3 có thể chọn nhiều tùy biến icon đẹp mắt. - <u>Link</u>

Verbatim: Bản beta nó đã trâu vậy, lên bản chính thức dùng mới đã - <u>Link</u>

[Performance] Good gaming experience

Verbatim: Chơi đc, mà muốn ngon hơn thì lên 8.0 đê - Link

Verbatim: Chiến game mượt - Link

FOCUS ON NEGATIVE DISCUSSED ATTRIBUTES

Positve

■ Negative

■ Neutral

• [Function] Multi-touch issue when playing game

Verbatim: Vừa di chuyển vừa skill hog đc - <u>Link</u>

Software

Function

Hardware

Price

Physical... 4

Performance

Verbatim: Vừa di chuyển vừa sử dụng nút A B C k dc đâu - <u>Link</u>

[Hardware] Gyroscopes was not calibrated

Verbatim: Nokia 3 bị lệch cảm biến mọi người ạ huhu - <u>Link</u>

Verbatim: phát hiện ra Nokia 3 bị lỗi "lệch con quay hồi chuyển" - <u>Link</u>





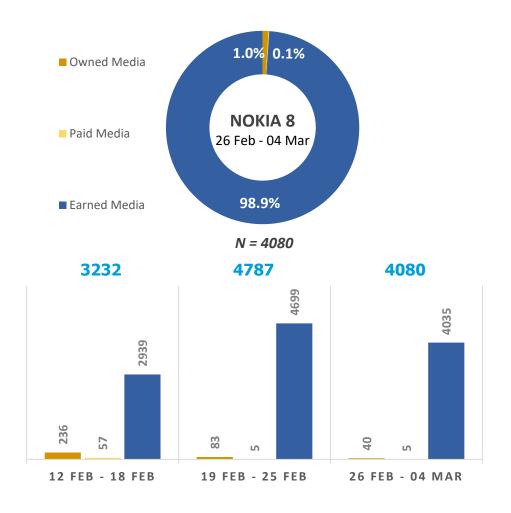
NOKIA8

Share both sides of the story





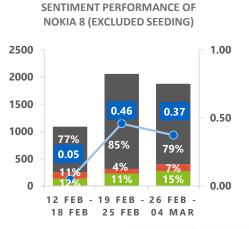
Approximately 100% of buzz volume of Nokia 8 came from Earned Media with MWC 2018 was the top theme

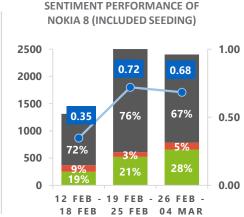


BUZZ CONTRIBUTORS

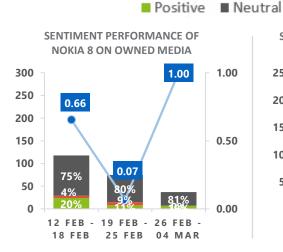
- Owned media: User's conservation under advertising post (link, link, link) on owned fanpage
- Paid media: PR articles on online news (link, link, link)
- **Earned media:** Official commercial page of Nokia 8 from dealer (<u>link</u>), user's conversations from Nokia user communities (<u>link</u>, <u>link</u>, <u>link</u>)

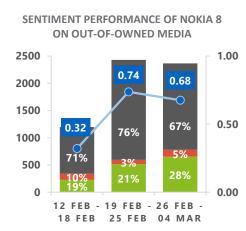
This week, Nokia 8 was healthy only after seeding included. The main negative issue of the week was user's underestimated evaluation of camera performance





■ Negative







SENTIMENT PERFORMANCE

Although there was a slight decrease in sentiment index, Nokia 8 managed to stayed in healthy zone only when seeding was included. Or else, its pure performance was still in unhealthy condition. However, the sentiment index on owned media significant increase as user's intent to buy this phone.



POSITIVE DRIVERS

- ✓ Good feedbacks on the natural color reproduction in good lightning condition
- ✓ User's recommendation on choosing Nokia 8 thanks to its powerful technical specifications with very good price
- ✓ Articles informing about the list of worthy smartphones, which are currently on big sales (<u>link</u>, <u>link</u>)



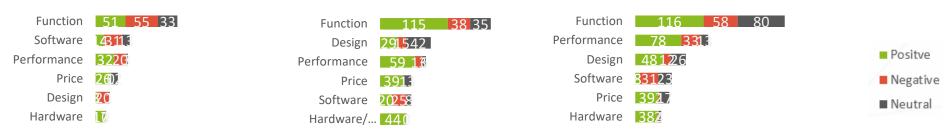
NEGATIVE DRIVERS

- ✗ Worse low-light camera performance
- Few internal apps with silly bugs due to stock Android OS
- ★ User's reports for the app freezing or sluggish to open
- User's reports for the irritating overproduction of noise cancelling while recording, which distorted the real sound (link)

Note: Sentiment ratio bases on the number of remaining mentions after excluding the unrated ones Sentiment index = (positive index – negative index)/(positive index + negative index)

Feedbacks on Product Attributes

PRODUCT ATTRIBUTE PERFORMANCE



12 Feb - 18 Feb **26 Feb - 04 Mar**

FOCUS ON POSITIVE DISCUSSED ATTRIBUTES

[Function] User prefers Nokia 8 camera to others

Verbatim: Mượn Iphone 7 Plus chụp và đọ độ nét khi zoom lên, *Nokia 8* ăn đứt iphone - Link

Verbatim: Tầm đấy mà chỉ chụp hình thì nokia 8 ngon hơn nhiều - Link

• [Performance] User's trust in Nokia battery life

Verbatim: pin thì dòng nào qua Noki đc? - Link

Verbatim: Nokia xưa nay pin trâu vô đối - Link

• [Design] User's interest in colors of the phone

Verbatim: màu xanh đấy nhìn đẹp - Link

Verbatim: Xanh bóng, xanh nhám, đen nhám. Thích mấy màu này - <u>Link</u>

FOCUS ON NEGATIVE DISCUSSED ATTRIBUTES

• [Software] Unexpected app crashing

Verbatim: Hay dis ứng dụng thật á bạn - <u>Link</u>

Verbatim: Đag xem youtb còn dừng đột ngột cơ. Cay - <u>Link</u>

• [Function] Recorded sound was somewhat distorted during video recording

Verbatim: có ai dùng nokia 8 mà lúc quay video hay ghi âm thì *nghe tiếng* lộp bộp kiểu tv mất sóng ko - <u>Link</u>

Verbatim: Nokia 8 Livestream âm thanh bị lọc quá nhiều, ko còn đủ các âm sắc từ môi trường nữa...Livestream thì âm thanh bị méo, lúc to lúc nhỏ, tiếng nghe rất kỳ quặc.. - <u>Link</u>

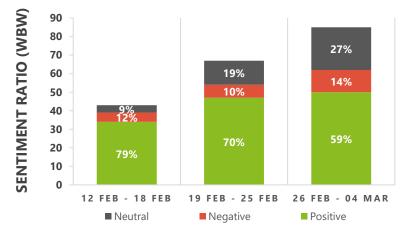
FOCUS ON NOKIA BRAND

- ❖ OVERALL SENTIMENT PERFORMANCE OF NOKIA BRAND MENTIONS
- ATTRIBUTE PERFORMANCE OF NOKIA BRAND MENTIONS

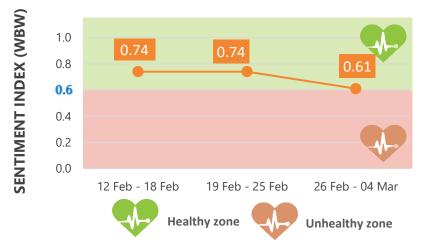
SECTION

03

Nokia brand managed to stay at the healthy zone, especially thanks to the discount program for Nokia 8. Besides, under the minigame post, there were many users expressed their love and advocacy for Nokia brand



Note: Sentiment ratio base on number of mentions which exclude unrated mentions





SENTIMENT PERFORMANCE

Nokia brand encountered from a deterioration in sentiment index as user's disappointment because they had been waiting so long for the release of Android 8.1 from Nokia.

Note: Nokia-branded mention is the mention that talked directly about Nokia brand.



POSITIVE DRIVERS

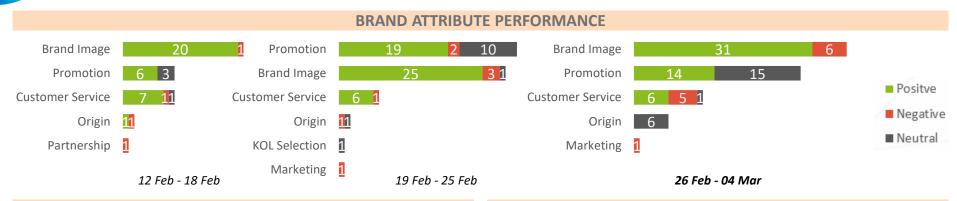
- ✓ Users took really high interest in Nokia's discount program for Nokia 8, together with their purchase intention
- ✓ User's mentions expressed their trust and advocacy for Nokia brand
- ✓ Good feedbacks on the quick update to the latest Android OS from Nokia's customer service department.



NEGATIVE DRIVERS

User's disappointment at today's Nokia

Feedbacks on Brand Attributes



FOCUS ON POSITIVE DISCUSSED ATTRIBUTES

• [Brand Image] User's trust and advocacy for Nokia

Verbatim: Thấy gì hơm đây Fan bự nhà Nokia nha ⊕ Nokia Lumia hồi đó giờ quất luôn em Nokia 8 Đó giờ gặp nhiều fan guột nhà Noki nhưng hơm nay mới nhớ lấy điện thoại ra lia 1 tấm làm kỉ niệm ahihi ⊕ #Nokia - Link
Verbatim: Mình mới mua thêm con khác để Livestream, con này dùng để di chuyển, dùng Nokia từ bé nên ko dễ từ bỏ hii - Link

 [Promotion] Users took high interest in Nokia's discount program for Nokia 8

Verbatim: Chính hãng giá quá gắt rồi b, xiaomi giá rẻ mà vẫn k đọ nổi lần sale này - <u>Link</u>

Verbatim: Bác dạo thử bên cellphone còn có hàng k. E mua ở cellphone thấy máy ok lắm, lẹ đi bác, kiếm mấy web khác chứ nay hạn cuối khuyến mãi rồi -<u>Link</u>

FOCUS ON NEGATIVE DISCUSSED ATTRIBUTES

• [Brand Image] User's dissatisfaction at today's Nokia with the thought that it would be very hard for Nokia to regain its former glory

that it would be very hard for Nokia to regain its former glory **Verbatim:** *Nokia trc thôi chứ h hmd gia công lại là gen 1 thì tệ hại lắm , từ giá*

rẻ như nokia 3 hay nokia 8 đều bệnh về cảm ứng , gia công - <u>Link</u> **Verbatim:** M đang xài và rất là lo là lúc hết bảo hành nó hư thì sao. Thay 2

lần rồi. Đt này rớt giá thê thảm quá. Hết muốn iu nokia - <u>Link</u> **Verbatim:** Vì cái tính năng này nó phổ thông quá rồi bạn ơi, ko thể tin Nokia lại ko làm tốt nó được trong khi một con Trung quốc nhái nó còn làm ok kia mà - Link

Verbatim: Với giá mua Nokia 8, thà ku mua IP 6s plus còn hơn... Nokia nói chung vừa trở lại, vẫn còn nhiều điều nghi ngại lắm... - Link

Deep dive into attribute 'Customer Service'

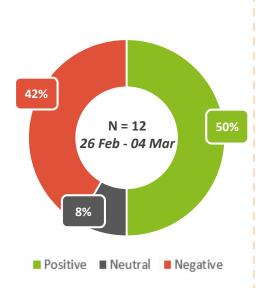
FOCUS ON NEGATIVE DRIVERS

Tardiness of Nokia in updating Nokia 8 to the Android 8.1 OS version, which failed to what Nokia had promised before

Verbatim: Hứa hẹn lên 8 mà năm trước tới năm nay k thấy. - Link

Verbatim: Lâu k thấy anh HMD GLOBAL cập nhật phần mềm sửa lại cái cam vs lỗi văng ứng dụng nhể.hay là qua triển lãm MWC bọn nó liên hoan,bú rượu nhiều say đếch thèm để ý con no8 này nữa - <u>Link</u>

Verbatim: Mình dùng nokia 8 và vẫn chờ mãi chưa có 8.1 bạn à, tụi nước ngoài có cả 2 tuần rồi. - <u>Link</u>



FOCUS ON POSITIVE DRIVERS

Users praised Nokia for their frequent update their smartphones to the latest Android OS version as soon as possible

Verbatim: Nếu muốn chơi android lâu dài thì No8,cam kết update liên tục trong 3 năm nhé :D - <u>Link</u>

Verbatim: 99% khuyên nên chọn nokia8 vào lúc này hiệu năng khủng cập nhật nhanh chóng - <u>Link</u>

Verbatim: Công nhận Nokia nó cập nhật nhanh vãi các bác a - Link

KOL/INFLUENECER PERFORMANCE

- **❖** BUZZ VOLUME
- SENTIMENT PERFORMANCE

SECTION

04

KOs/TOLs/Influencer Performance

There was no social voice from KOL/Influencer for Nokia smartphones as there was no sponsored articles during this tracked period.

COMPETITORS OVERVIEW

- ***** KEY PRODUCTS
- MAIN TACTICS

SECTION

05

SAMSUNG - Social media audiences this week took high interest in Galaxy \$9|\$9+ - The best device in the world in terms of camera and display

SAMSUNG

HIGHLIGHT PRODUCTS



GALAXY S9|S9+

- Series of livestream advertising for Galaxy S9 | S9+ from influencers like Kim Chi, Ginô Tống, Nguyễn Thị Anh Đào
- Minigames from dealers like <u>Lazada</u>, <u>ViettelStore</u>, <u>FPTShop</u>
- Cross comparison with iPhone X (link, link)
- Product reviews from Tinh Tế, TGDĐ
- Articles reporting on the Unpacked event and offline event (<u>link</u>, <u>link</u>, <u>link</u>, <u>link</u>)

OPPO - Oppo F5 is still the key product while Oppo F15 with iPhone X-style notch was highly discussed by audiences



HIGHLIGHT PRODUCTS







OPPO R15

- Advertising posts for Oppo handphones on Oppo Vietnam fanpage
- Articles about the upcoming Oppo R15 from <u>TGDĐ</u>, <u>CellphoneS</u>, <u>Schannel</u>

XIAOMI - Redmi 5 Plus - The very hot brand-new specs beast with super good price, which is exclusively distributed by FPTShop



HIGHLIGHT PRODUCTS



REDMI 5 PLUS

- Commercial posts from FPTShop for the new Redmi 5 Plus (<u>link</u>, <u>link</u>, <u>link</u>, <u>link</u>)
- Video from Vinh Vật Vờ talking about most Asian phone users are in favor of Xiaomi (link)

HUAWEI - Social media audiences are now curious about the upcoming Huawei P20, while the key product was still Huawei Nova 2i



HIGHLIGHT PRODUCTS







HUAWEI P20

- Minigame for Nova 2i on <u>Huawei Mobile</u> fanpage
- Android 8.0 beta version contest with Nova 2i on <u>Huawei Mobile</u> fanpage
- Article from <u>TGDĐ</u> leaking info about Huawei P20

VIVO - Half-screen-in display fingerprint scanning at CES 2018 is eagerly waited expected by audiences



HIGHLIGHT PRODUCTS







VIVO APEX

HIGHLIGHT TACTICS

• Article from <u>Tinh Tế</u> forum and <u>Vivo</u> fanpage reporting on about the half-screen-in display fingerprint scanner concept of Vivo upcoming smartphone





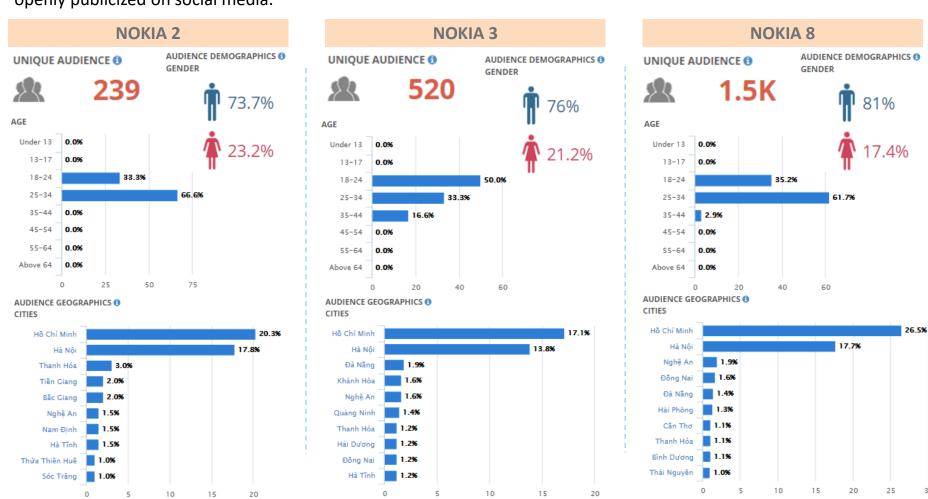
APPENDIX

Additional Information



Demographic

Demographics of audiences were demonstrated based on data collected from users, whose personal profiles were openly publicized on social media.

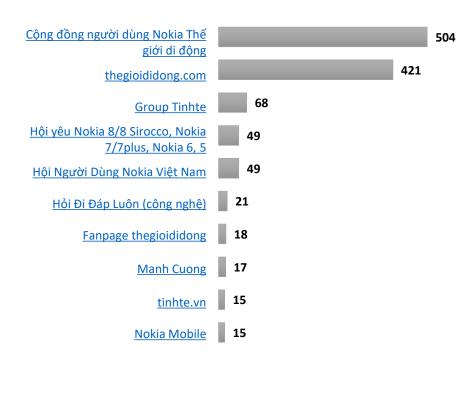


Top threads and Top sources by buzz volume of Nokia 2

TOP THREADS BY BUZZ VOLUME

Rank	Top Thread	Source		
1	Nokia 2 - Cấu hình chi tiết	TGDĐ ecommerce site		
2	Nokia 2 của mình sạc pin khá là lâutừ 7 giờ s áng đến gần 12 giờ kém mới đầy pin	Cộng đồng người dùng Nokia Thế giới di động		
3	No.2 ngon :v Bắt wifi đâu có tệ đâu? Cách 2 c ái nhà bắt vivu.	Cộng đồng người dùng Nokia Thế giới di động		
4	Cảm giác chuyển từ IOS (Iphone SE) sang and roid (Nokia 2) cuộc sống trầm lại	Group Tinh Tế		
5	Pin Nokia 2 sau khi khôi phục cài đặt gốc này các báctụt ghê lắm	Cộng đồng người dùng Nokia Thế giới di động		
6	Thông báo đến toàn thể gia đình nokia củ a chúng ta, nokia 2 sẽ cập nhật lên androi d 8.1	Cộng đồng người dùng Nokia Thế giới di động		
7	Nay No2 với No3 lên Oreo mà k bịk ai có bản cập nhật chưa nhỉ?	Hội Người Dùng Nokia Việt Nam		
8	Ai biết cách vô nhanh Tệp của Nokia 2 không	Cộng đồng người dùng Nokia Thế giới di động		
9	Nokia 2 khôi phục cài đặt gốc bị mờ màn hình anh em ơi	Cộng đồng người dùng Nokia Thế giới di động		
10	Nokia 2 cuả mình sạc pin lâu qúa anh em	Cộng đồng người dùng Nokia Thế giới di động		

TOP SOURCES BY BUZZ VOLUME

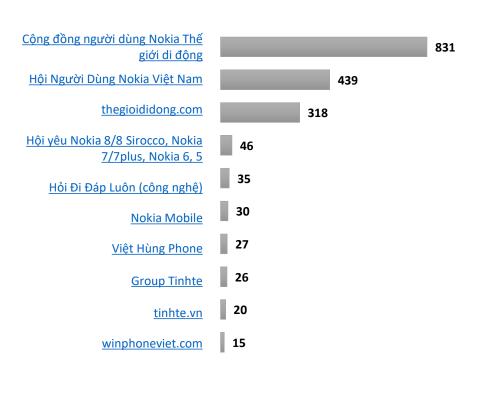


Top threads and Top sources by buzz volume of Nokia 3

TOP THREADS BY BUZZ VOLUME

TOP SOURCES BY BUZZ VOLUME

Rank	Top Thread	Source		
1	Điện thoại Nokia 3	TGDĐ ecommerce site		
2	Xin phép ad và toàn thể ace trong gr ạ. Chuyệ n là mới đây nokia đã cho phép đk bản b 8.0	Cộng đồng người dùng Nokia Thế giới di động		
3	Nokia 3	Hội Người Dùng Nokia Việt Nam		
4	No3 lên 8.0 màn hình tối hơn s á.	Cộng đồng người dùng Nokia Thế giới di động		
5	Nokia 3 chơi liên quân k mướt, chơi dream so ccer hong được luôn	Cộng đồng người dùng Nokia Thế giới di động		
6	Nokia 3 lên beta 8.0.0 sử dụng 3h liên tục mấ t 30% .mn cho nx đi nào	Cộng đồng người dùng Nokia Thế giới di động		
7	Vừa mới MWC 2018 ngày hôm qua, mà h ôm nay.	Cộng đồng người dùng Nokia Thế giới di động		
8	hồi nãy e vừa test thử con asphalt 8 trên noki a 3	Hội Người Dùng Nokia Việt Nam		
9	No3 đã nâng cấp lên androi 8làm cách nào để xuống 7.1 z mn	Cộng đồng người dùng Nokia Thế giới di động		
10	No 3 lên thẳng 8.1 luôn các bác ơi	Hội Người Dùng Nokia Việt Nam		

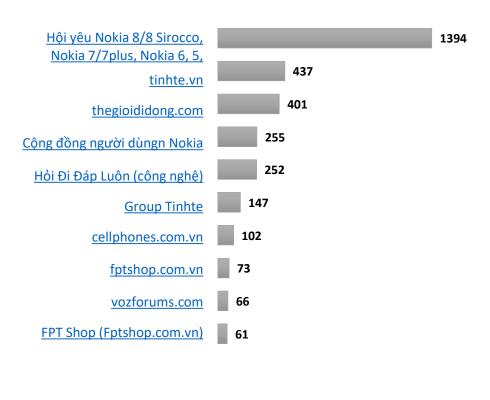


Top threads and Top sources by buzz volume of Nokia 8

TOP THREADS BY BUZZ VOLUME

Rank	Top Thread	Source		
1	Nokia 8 - Cấu hình chi tiết	TGDĐ ecommerce site		
2	#MWC18: Tất cả smartphone Nokia giờ đều chạy Android One	Tinh Tế Forum		
3	#MWC18: Bạn sẽ mua chiếc Nokia Android	Tinh Tế Forum		
4	Nokia 8 Chính hãng	CellphoneS ecommerce site		
5	Có bác nào dùng N8 mà khi vừa sạc vừa dùng mà cảm ứng hay bị loạn ko	Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5,		
6	*Có một điểm mình thật sự thất vọng vì con Nokia 8 này	Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5,		
7	#HOIDAP Mọi người cho tớ hỏi, ai dùng nokia8 gặp thường xuyên tình trạng văng	Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5,		
8	em xài No8 có vài thắc mắc muốn được c ác bác giải đáp giúp	Cộng đồng người dùng yêu thích Nokia		
9	Các bác cho hỏi Nokia 8 màu gì đẹp nhất ak? Dang nghiêng về xanh bóng!	Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5,		
10	Xin các bạn cho đánh giá tổng quan về Nokia 8, mình định rước 1 em về	Hội yêu Nokia 8/8 Sirocco, Nokia 7/7plus, Nokia 6, 5,		

TOP SOURCES BY BUZZ VOLUME



Performance of Owned Fanpage

Name of fanpage	Type of posts	Posts	Avg. reactions/ post	Avg. comments /post	Avg. shares/post	Estimated total interaction	No. of fan/follower	Conversion rate (Total interactions/follow ers)
Nokia Mobile	Advertising post	2	300	20	10	660	3,700K	0.02%
	Minigame	-	-	-	-	-		-
Samsung	Advertising post	10	6000	100	100	62K	117,000K	0.05%
	Minigame	-	-	-	-	-		-
Oppo Vietnam	Advertising post	20	300	50	30	7.6K	1,600K	0.5%
	Minigame	-	-	-	-	-		-

The above table provides basic ration in buzz volume and interaction. This information is for reference



For Your Attendance