

QUARTERLY STATISTICAL BULLETIN ON COMMUNICATIONS IN GHANA

Volume 9 Issue 4

NATIONAL COMMUNICATIONS AUTHORITY

FOURTH QUARTER

OCTOBER - DECEMBER, 2024

Communications for Development

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LIST OF ABBREVIATIONS

BWA	Broadband Wireless Access
LTE	Long-Term Evolution
FM	Frequency Modulation
GH₵	Ghana Cedi
GHp	Ghana pesewas
MB	Megabytes
MNO	Mobile Network Operator
MoU	Minutes of Use
NCA	National Communications Authority
SMS	Short Message Service
TV	Television

VISION AND MISSION

Vision

A world-class communications regulator that facilitates innovative, reliable and sustainable communication solutions to meet stakeholders' expectations.

Mission

Moving from Good to a Great Regulator; An innovative, agile, professional, and proactive Regulator, adaptive to emerging changes in the communication and digital ecosystem, and delivering optimally to all stakeholders.

Core Values

- Teamwork
- Accountability
- Consistency
- Trust
- Innovation
- Transparency

Tag Line/Slogan – Communications for Development

INTRODUCTION

This Quarterly Statistical Bulletin on Communications is a reference document that entails segregated data, industry trends and analysis of the communications sector of Ghana. The purpose of this document is to promote open and enriched public discussions on policies for telecom analysts, consumers, academia, policy makers, investors and other stakeholders for decision-making.

This bulletin is prepared from the monthly and quarterly data received from various licensees[1]. It also includes data on internet service providers and broadcasting entities and services providers that were gathered in-house.

The publication of this bulletin is consistent with the National Communications Authority's mandate under section 26 (2) (a) of the Electronic Communications Act 2008, Act 775; "to publish the result of research that it carries out or that is carried out on its behalf on its website and in any other manner that it considers appropriate to bring the results to the attention of the public".

[1] MTN, Telecel, AT, Telesol,

DEFINITION OF TERMS

Average SMS per subscription - This is calculated by dividing the total SMS count for the quarter by the total average mobile subscriptions for that quarter.

Broadband Wireless Access (BWA) - refers to active mobile data subscriptions connected to high-speed internet access via fixed wireless technologies (WiMAX) that have generated internet traffic (uploaded and/ or downloaded data) within the last ninety (90) days.

BWA Data Usage per Subscription - This is calculated by dividing the total volume of BWA's traffic for the quarter by the total average BWA subscriptions for that quarter.

Cellular network or mobile network – refers to a communication network where the last mile connection is wireless. The network is distributed over land areas called cells, each served by at least one fixed-location transceiver, known as a cell site or base station. This base station provides the cell with the network coverage, which can be used for transmission of voice, data and others.

Fixed-line network - The term refers to all of the wired networks that are used for voice and data communications. A fixed-line can be seen as a connection to an end-user, by means of a cable, through which they can make phone calls or connect to the Internet.

Minutes of Use per Subscription - It is calculated by dividing the total volume of voice traffic for the quarter by the total average subscriptions for that quarter.

Machine-to-Machine Subscriptions - Refers to the number of mobile-cellular machine to-machine subscriptions that are assigned for use in machines and devices (cars, smart meters, consumer electronics) for the exchange of data between networked devices, and are not part of a consumer subscription.

Basic Phones - Refers to a voice-centric mobile device with limited data functionality, typically operating on 2G/3G networks and lacking sophisticated OS or app ecosystem. It primarily supports voice calls and SMS

Feature Phones - A class of mobile phones that supports limited multimedia functions (camera, FM Radio, MMS) and may have basic limited internet access (WAP, GPRS) but not full web browsing. It often uses proprietary OS.

Smartphones - A class of mobile phones with powerful computing capability, heterogenous connectivity and advanced operating system providing a platform for third-party applications

Mobile Voice Subscriptions – Refers to the number of active mobile voice subscriptions registered on mobile networks that have generated voice traffic (outgoing and / or incoming calls) within the last ninety (90) days.

Mobile Data Subscriptions - refers to active mobile data subscriptions to GPRS, EDGE, HSPA, UMTS and LTE that have generated internet traffic (uploaded and/ or downloaded data) within the last ninety (90) days.

Mobile Data Usage per Subscription - It is calculated by dividing the total volume of data traffic for the quarter by the total average mobile data subscriptions for that quarter.

Mobile Penetration or Teledensity – This represents the total number of mobile subscriptions per every 100 inhabitants in a geographical area.

Net Addition – It refers to the increase or decrease in mobile voice/data subscriptions during the month.

On-Net traffic - refers to phone calls made to a recipient on the same network as the caller.

Off-Net traffic - refers to phone calls made to a recipient on a different network.

Quarter-on-quarter – This is a comparison of the quarter under review with the preceding quarter.

Q1 – First Quarter (January – March)

Q2 – Second Quarter (April – June)

Q3 – Third Quarter (July – September)

Q4 – Fourth Quarter (October – December)

Year-on-year – This is a comparison of a period under review (month, quarter etc.) with the same period of the preceding year.

THE COMMUNICATIONS INDUSTRY AT A GLANCE[2]

Indicator/Period		Q3 2024 (Jul – Sep)	Q4 2024 (Oct – Dec)	Quarterly Variation (%)	Annual Variation (%)
MOBILE NETWORK SERVICES					
Subscription to Mobile Voice Services	Total Mobile (SIM) Subscriptions	38,469,268	38,408,712	-0.16%	15.05%
	Machine-to-Machine (M2M) Subscriptions	2,157,495	2,219,207	2.86%	63.77%
Mobile Data Subscriptions	Total Mobile Data Subscriptions	25,560,884	26,127,592	2.22%	12.56%
Mobile Data Traffic (MB)	Total Mobile Data Traffic	661,510,708,147	756,582,914,433	14.37%	53.92%
Mobile Phone Devices	Basic Phones	5,349,040	6,124,118	14.49%	40.86%
	Feature Phones	10,623,972	10,792,867	1.59%	-5.74%
	Smartphones	20,868,129	23,236,048	11.35%	24.35%
Domestic Mobile Voice Traffic (Minutes)	On-Net Voice Traffic	25,912,381,839	27,011,080,727	4.24%	11.52%
	Off-Net Voice Traffic	2,075,229,296	2,348,414,425	13.16%	15.18%
	Mobile to Mobile Off-Net Traffic	2,063,563,763	2,342,153,840	13.50%	15.61%
	Mobile to Fixed Off-Net Traffic	11,665,533	5,660,587	-51.48%	-56.48%
Domestic Mobile SMS Traffic	SMS On-Net	461,247,653	624,216,669	35.33%	7.38%
	SMS Off-Net	444,205,829	483,899,004	8.95%	26.14%
INTERNATIONAL MOBILE TRAFFIC					
International Mobile Voice Traffic (Minutes)	International Incoming Mobile Voice Traffic	36,210,403	41,448,117	14.46%	0.04%
	International Outgoing Mobile Voice Traffic	41,443,043	62,675,957	51.235	-5.13%
International SMS Traffic	International Incoming SMS	82,011,322	82,309,135	0.36%	4.31%
	International Outgoing SMS	57,701,183	52,653,871	-8.75%	105.84%
ROAMING TRAFFIC					
Out-bound Roaming Traffic	Out-bound Roaming Voice Traffic (Minutes)	2,065,029	1,717,343	-16.84%	-20.53%
In-Bound Roaming Traffic	In-bound Roaming Incoming Voice Traffic (Minutes)	11,443	11,303	-1.23%	-94.91%
	In-bound Roaming Outgoing Voice Traffic (Minutes)	8,639,984	8,106,719	-6.17%	-42.41%
	In-Bound Roaming Incoming SMS	96,496,039	109,840,492	13.83%	34.26%
	In-bound Roaming Outgoing SMS	4,724,966	5,471,628	15.80%	25.92%

2 The decimals may not be exact due to the rounding-off of the actual figures.

Indicator/Period		Q3 2024 (Jul – Sep)	Q4 2024 (Oct – Dec)	Quarterly Variation (%)	Annual Variation (%)
FIXED NETWORK SERVICES					
Fixed Voice Subscriptions	Total Fixed Line Subscriptions	316,154	269,356	-14.80%	-15.42%
Domestic Fixed Voice Traffic (MB)	Fixed to Mobile	7,241,115	5,815,131	-19.69%	-20.00%
Fixed Data and Broadband Subscriptions and Traffic (MB)	Total Fixed Data Subscriptions	122,950	126,742	3.07%	8.46%
	Fixed Broadband Subscriptions	216,143	221,153	2.32%	-0.95%
	Fixed Broadband Traffic	111,177,441,763	114,656,544,471	3.13%	9.27%
BROADCASTING SERVICES					
Licensed TV Stations		174	181	4.02%	-0.57%
Operational TV Stations		136	133	-2.21%	7.09%
Licensed FM Stations		665	805	21.05%	7.76%
Operational FM Stations		452	549	21.46%	-17.82%
CATEGORIES OF AUTHORISED FM STATIONS					
Commercial FM Stations		466	583	25.11%	6.19%
Public FM Stations		31	31	0.00%	0.00%
Public Foreign FM Stations		4	5	25.00%	0.00%
Community FM Stations		143	161	12.59%	17.52%
Campus FM Stations		21	25	19.05%	0.00%
BROADBAND WIRELESS ACCESS SERVICES (BWAs)					
Broadband Wireless Access Subscriptions		1,431	1,454	1.61%	0.00%
Broadband Wireless Access Data Traffic (MB)		203,757,131	170,490,993	-16.33%	-32.50%
PENETRATION RATE (%)					
Mobile Voice Subscriptions		116.84	116.07	-0.66	12.76%
Mobile Data Subscriptions		77.63	78.96	1.71	10.34%
Fixed Voice Subscriptions		0.96	0.81	-15.63	-19.00%
Fixed Data Subscriptions		0.37	0.38	2.70	5.56%
Broadband Wireless Access (BWA) Subscriptions		0.004	0.004	0.00	0.00%

1.0 MOBILE NETWORK

There are three (3) Mobile Network Operators (MNOs) in Ghana namely AT, MTN and Telecel. This report will focus on the monthly data submitted from October – December 2024 by the MNOs.

This section provides details on the performance of the MNOs in Ghana by focusing on Mobile Voice and Mobile Data Subscriptions, Net Additions to Mobile Voice and Mobile Data Subscriptions, Mobile Voice and Mobile Data Penetrations, Volumes of Mobile Voice and Mobile Data Traffic, and Short Messages Services.

1.1 Mobile Voice Subscriptions and Penetration Rate[3]

The Mobile Voice subscriptions in the country decreased marginally from 38.47 million in Q3 2024 to 38.41 million at the end of Q4 2024, representing a decrease in growth by 0.16%.

Year - on-Year subscriptions however increased from 33.38 million at the end of Q4 2023 to 38.41 million at the end of Q4 2024, recording a growth rate of 15.05%.
The penetration rate at the end of the quarter under review was 116.07% as compared to 116.84% recorded in Q3 2024, indicating a decline by 0.77% (Figure 1) (Appendix, Table 1).

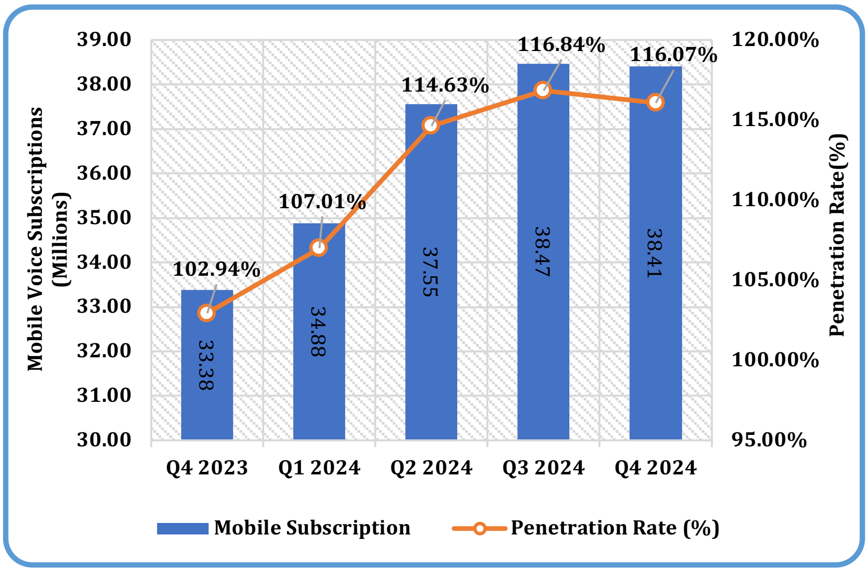

Figure 1: Mobile Voice Subscription and Penetration Rate

1.1.1 Mobile Voice Subscriptions and Market Share per Operator

At the end of Q4 2024, MTN recorded 73.97% of the market share with 28.41 million subscriptions. Telecel followed with 6.97 million subscriptions (18.14%). AT ended the quarter under review with a market share of 7.89% with approximate subscription base of 3.03 million (Figure 2) (Appendix, Table 2).

[3] The mobile penetration rate is estimated by dividing the total number of mobile subscribers by the total population.

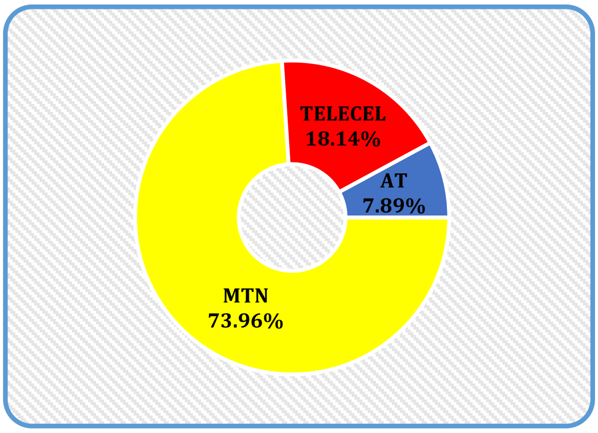

Figure 2: Market Share per Operator

1.1.2 Quarter-on-Quarter Market Share per Operator in Percentage

MTN market share declined by 1.13% from 75.09% in Q3 2024 to 73.97% in Q4 2024. Telecel had a growth of 0.78% from 17.36% in Q3 2024 to 18.14% in Q4 2024. AT's market share also increased in percentage from 7.55% in Q3 2024 to 7.89% in Q4 2024, representing an increase of 0.34%.

1.1.3 Prepaid and Postpaid Mobile Voice Subscriptions

Prepaid voice subscription was 37.99 million representing a market share of 98.92%, whilst Postpaid subscription at the end of the quarter under review was 0.41 million and a market share of 1.08%. (Figure 3) (Appendix, Table 3).

Prepaid voice subscription decreased from 38.07 million at the end of Q3 2024 to 37.99 million at the end of Q4 2024 representing a percentage decrease of 0.19%.
Postpaid voice subscription however increased marginally from 0.40 million in Q3 2024 to 0.41 million in Q4 2024 representing an increase in growth by 3.01%.

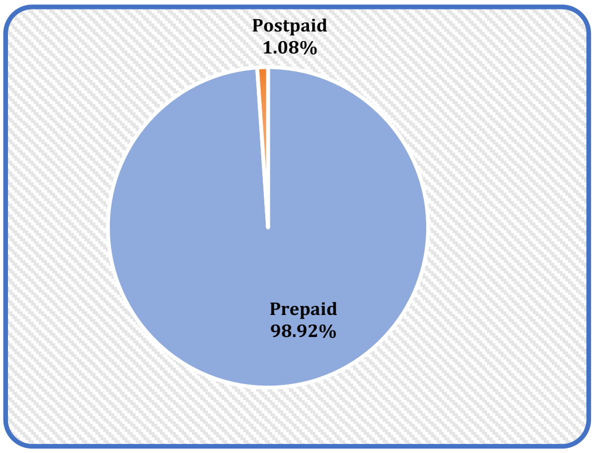

Figure 3: Prepaid and Postpaid Mobile Voice Subscriptions

1.1.4 Machine-to-Machine Subscriptions

The Machine-to-Machine mobile network (M2M) subscriptions increased to 2,216,555 in Q4 2024 from 2,157,495 recorded in the preceding quarter, indicating growth of 2.74%.

Year-on-Year subscriptions increased by 63.77% from 1,353,458 in Q4 2023 to 2,216,555 in Q4 2024 (Figure 4) (Appendix, Table 4).

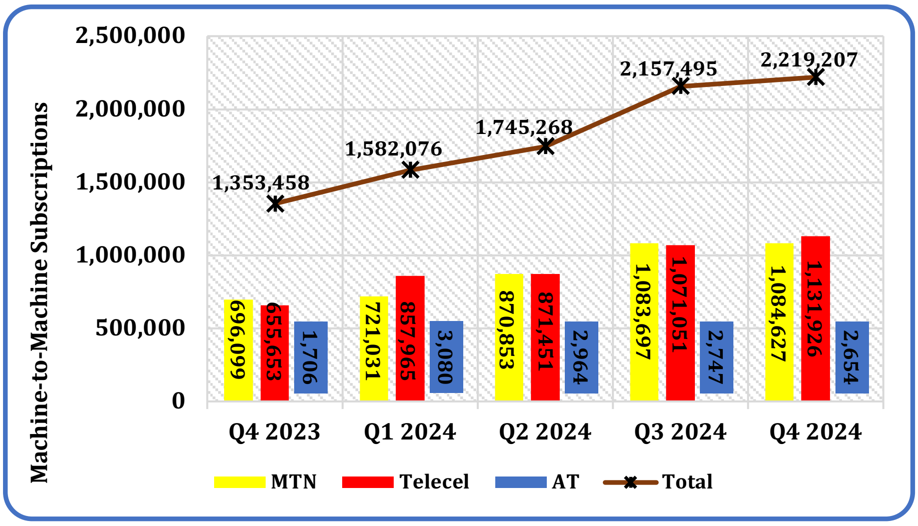

Figure 4: Machine-to-Machine (M2M) Subscriptions

1.1.5 Devices and Terminals

At the end of Q4 2024, 40,153,033 devices were connected to MTN and AT (excluding Telecel) network. This shows an increase of 8.99% (3,311,892) in the use of devices as compared to 36,841,141 recorded in Q3 2024.

Year-on-Year analysis shows that active devices connected to mobile networks increased by 16.44% from 34,484,512 in Q3 2024 to 40,153,033 during the quarter under review.

As at December 2024, out of the 40,153,033 devices connected, 57.87% (23,236,048) were Smartphones, 26.88% (10,792,867) were Feature phones and 15.25% (6,124,118) were Basic phones. (Figure 5) (Appendix, Table 5).

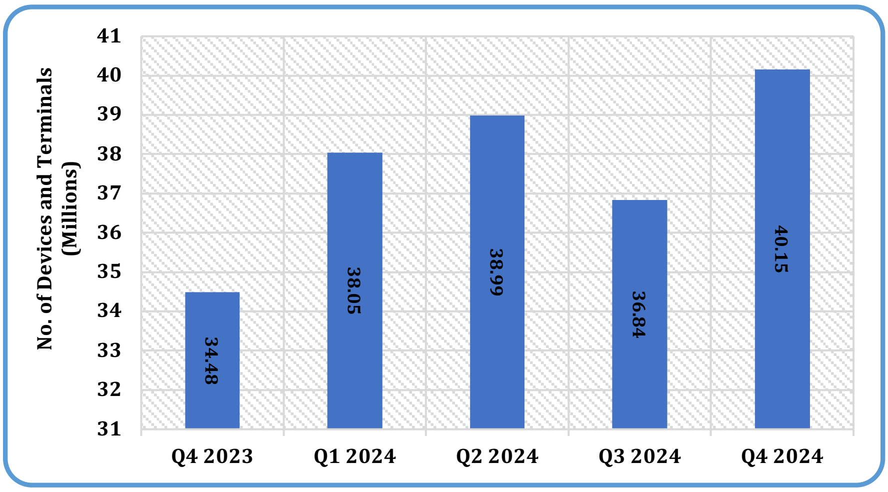

Figure 5: Devices and Terminals

1.2 Off-Net Domestic Voice Traffic

Mobile-to-Mobile Off-Net Traffic increased from 2.06 billion minutes at the end of Q3 2024 to 2.34 billion at the end of Q4 2024, marginally recording a growth of 13.50%.

Year-on-Year Mobile-to-Mobile Off-Net Traffic increased from 2.03 billion minutes at the end of Q3 2024 to 2.34 billion minutes at the end of Q4 2024, recording an increase in growth rate by 15.61%.

Quarter-on-Quarter Mobile-to-Fixed Off-Net Traffic decreased from 11.67 million minutes in Q3 2024 to 5.66 million minutes at the end of Q4 2024, indicating a 51.48%% decrease in growth rate.

Year-on-Year Mobile-to-Fixed Off-Net Traffic decreased by 56.10% from 12.89 million minutes at the end of Q4 2023 to 5.66 million minutes at the end of Q4 2024. (Figure 6) (Appendix, Table 6)

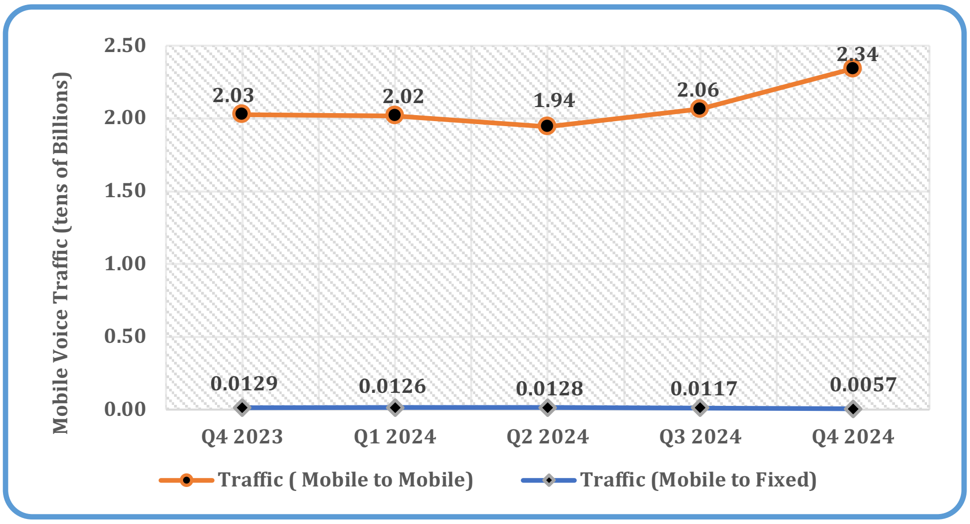

Figure 6: Off-Net Traffic Distribution between Mobile and Fixed Networks

1.2.1 Total Domestic Mobile Voice Traffic

Total Domestic Mobile Voice Traffic increased by 4.90% from 27.99 billion minutes in Q3 2024 to 29.36 billion minutes in Q4 2024.

Year-on-Year Total Domestic Mobile Voice Traffic increased from 26.26 billion minutes at the end of Q4 2023 to 29.36 billion minutes at the end of Q4 2024, representing a significant growth rate of 11.80%.

In the quarter under review, Off-Net Domestic Mobile Voice Traffic increased from 2.08 billion minutes at the end of Q3 2024 to 2.35 billion minutes at the end of Q4 2024, recording a growth rate of 13.16%.

Year-on-Year Off-Net Domestic Mobile Voice Traffic increased from 2.04 billion minutes in Q4 2023 to 2.25 billion minutes at the end of Q4 2024 representing a 15.18% growth rate.

On-Net Domestic Mobile Voice Traffic increased from 25.91 billion minutes in the previous quarter to 27.01 billion minutes at the end of Q4 2024, representing a growth of 4.24%.

Year-on-Year On-Net Domestic Mobile Voice Traffic also increased from 24.22 billion minutes in Q4 2023 to 27.01 billion minutes at the end of Q4 2024 representing a 11.52% increase in growth rate. (Figure 7) (Appendix, Table 7)

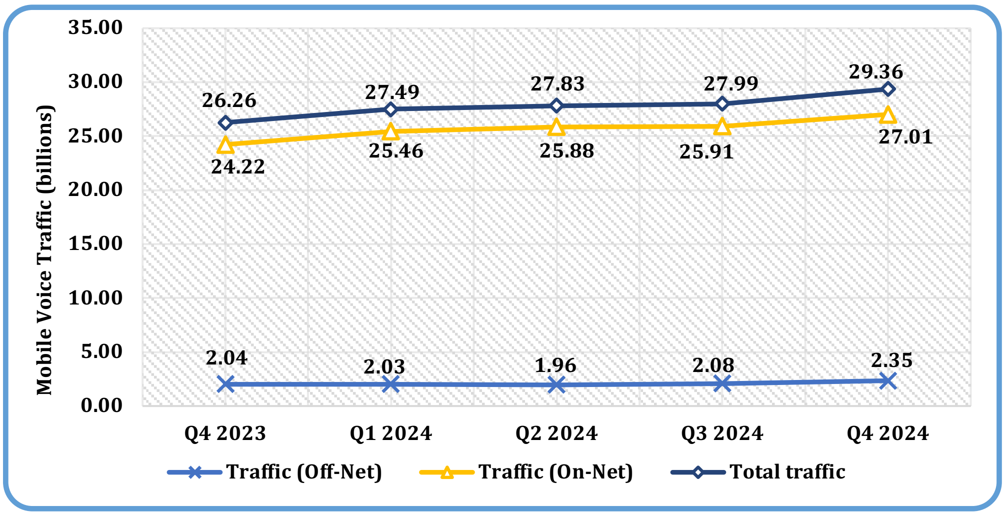

Figure 7: Total Domestic Mobile Voice Traffic in Billions of Minutes

1.2.2 Minutes of Use (MoU)

Quarter-on-Quarter average minutes of use per subscription increased from 733.97 minutes in Q3 2024 to 757.52 minutes representing 3.21% growth in Q4 2024.

Year-on-Year minutes of use per subscription also decreased from 791.54 minutes in Q4 2023 to 757.52 minutes in Q4 2024, recording a negative growth rate of 4.3%. (Figure 8) (Appendix, Table 8).

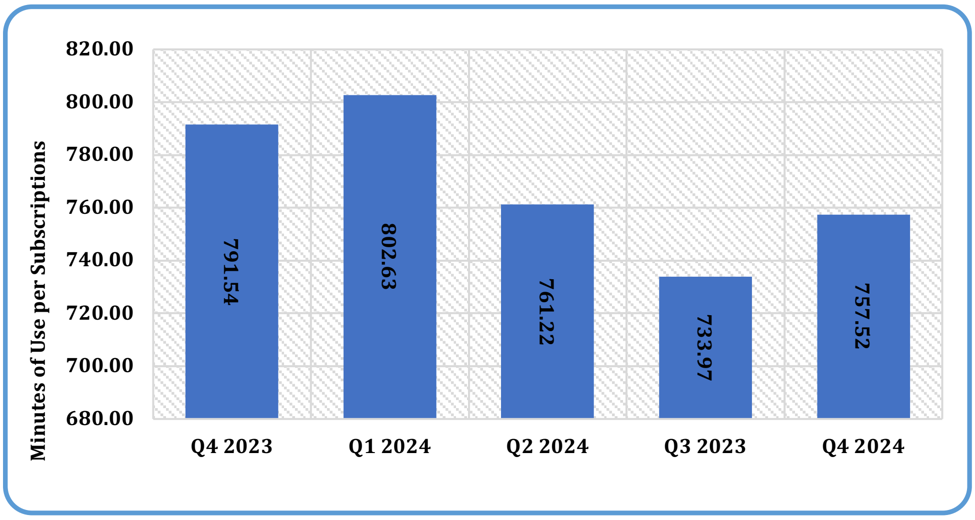

Figure 8: Mobile Voice Traffic Minutes of Use (MoU) per subscription

1.3 International Traffic

Inbound International Traffic increased by 4.50% from 36.21 million minutes in Q3 2024 to 41.45 million minutes in Q4 2024.

Year-on-Year Inbound International Traffic also increased marginally by 0.04% from 41.43 million minutes in Q3 2024 to 41.45 million minutes in Q4 2024.

Quarter-on-Quarter Outbound International Traffic showed an increase in growth by 51.23% from 41.44 million minutes in Q3 2024 to 62.68 million minutes in the quarter under review.

Year-on-Year Outbound International Traffic showed a 5.13% decline in growth from 66.06 million in Q4 2023 to 62.68.44 million in Q4 2024. (Figure 9) (Appendix, Table 9)

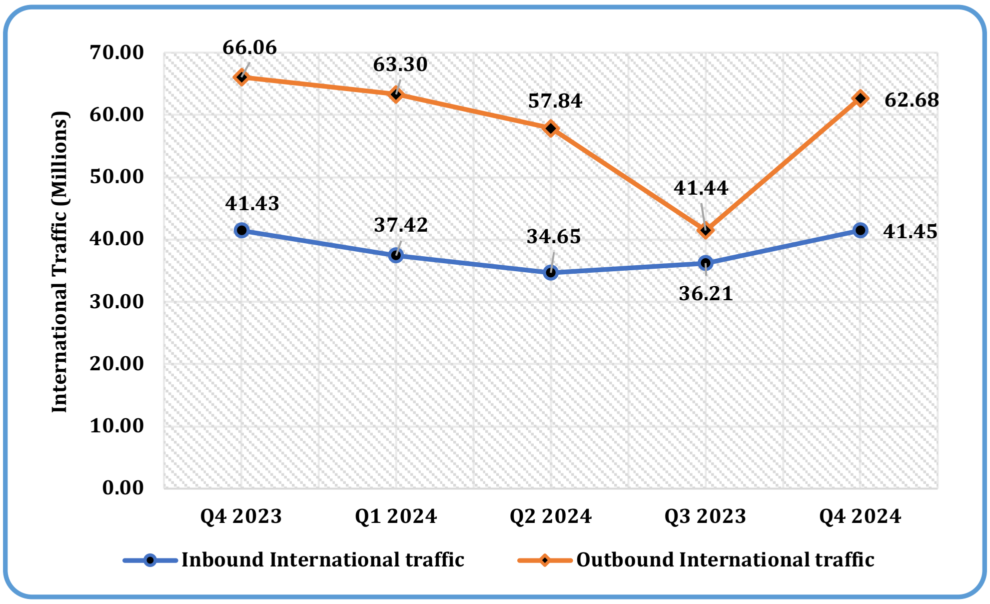

Figure 9: International Traffic in Millions of Minutes

1.3.1 Short Message Services (SMS)

The total number of Short Message Services (SMS) sent at the end of Q4 2024 was 1.11 billion as compared to 0.91 billion in Q3 2024, recording an increase in growth by 22.38%.

Year-on-Year total SMS Counts also increased from 0.96 billion in Q4 2023 to 1.11 billion at the end of Q4 2024 representing an increase in growth rate by 14.84%. (Figure 10) (Appendix, Table 10)

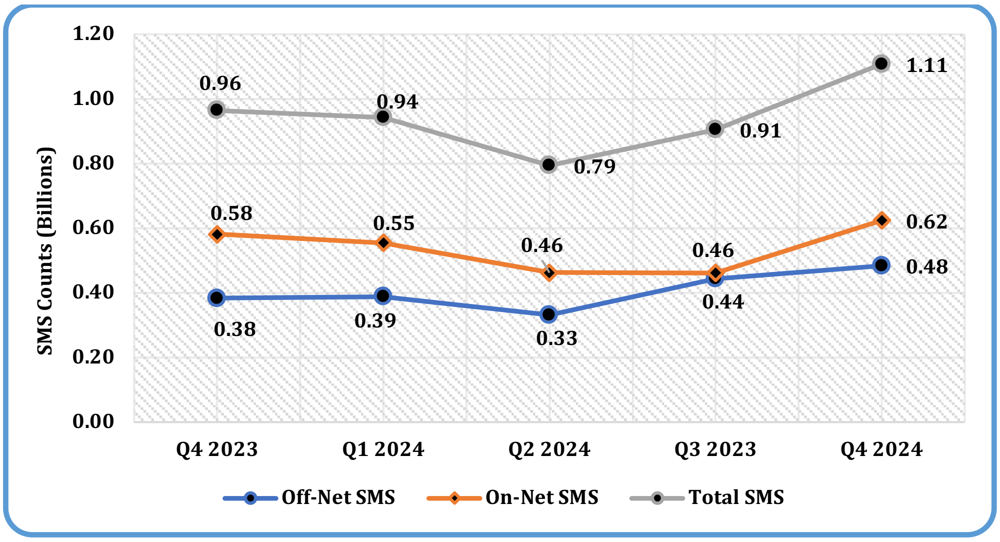

Figure 10: Total Number of SMS in Million

1.3.2 SMS Counts per Operator

The volume of SMS traffic originating from MTN was 557.76 million at the end of Q4 2024, representing a market share of 50.34% of the total SMS count.

The volume of SMS traffic from Telecel was 539.14 million, representing a market share of 48.65% of the total SMS count.

AT had an SMS count of 11.21 million, representing 1.01% of the market share of the total SMS count. (Figure 11) (Appendix, Table 11).

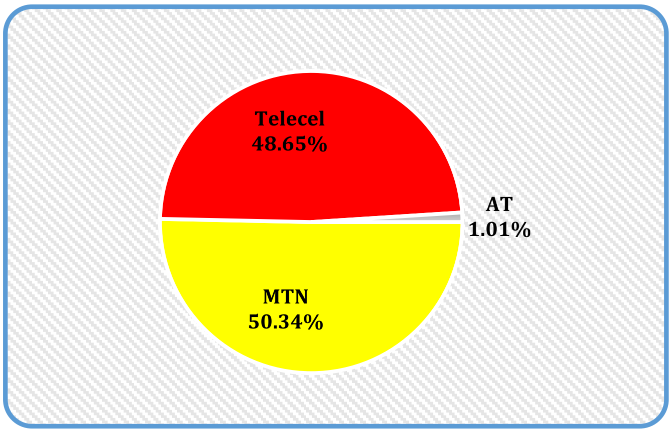

Figure 11: SMS Counts Market Share per Operator

1.3.3 SMS per Subscription

Quarter-on-Quarter SMS sent per subscription at the end of Q4 2024 was 29 SMS, indicating a 20.41% increase in SMS per subscription as compared to the end of Q3 2024 (24). (Figure 12) (Appendix, Table 12).

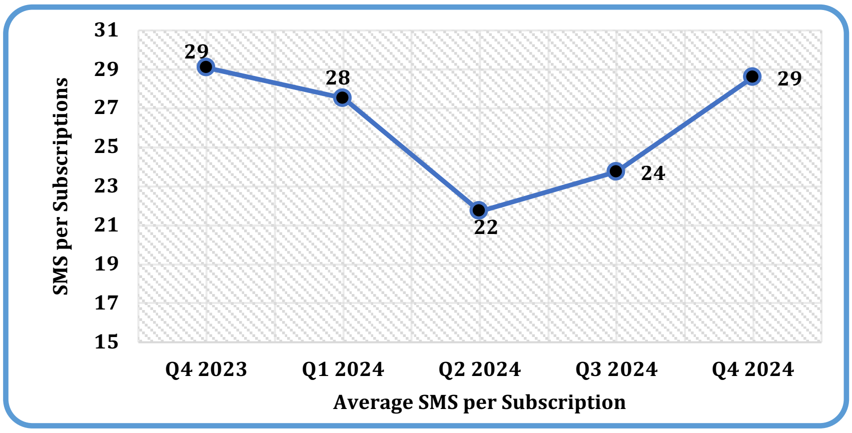

Figure 12: SMS per Subscription

1.4 Mobile Data Subscriptions and Penetration Rate (%)

At the end of Q4 2024, Mobile Data Subscriptions increased by 2.22% from 25.56 million at the end of Q3 2024 to 26.13 million.

Year-on-Year subscriptions also increased by 12.58% from 23.21 million at the end of Q4 2023 to 26.13 million at the end of Q4 2024. The penetration rate as at the end of Q3 2024 was 78.96%. (Figure 13) (Appendix, Table 13).

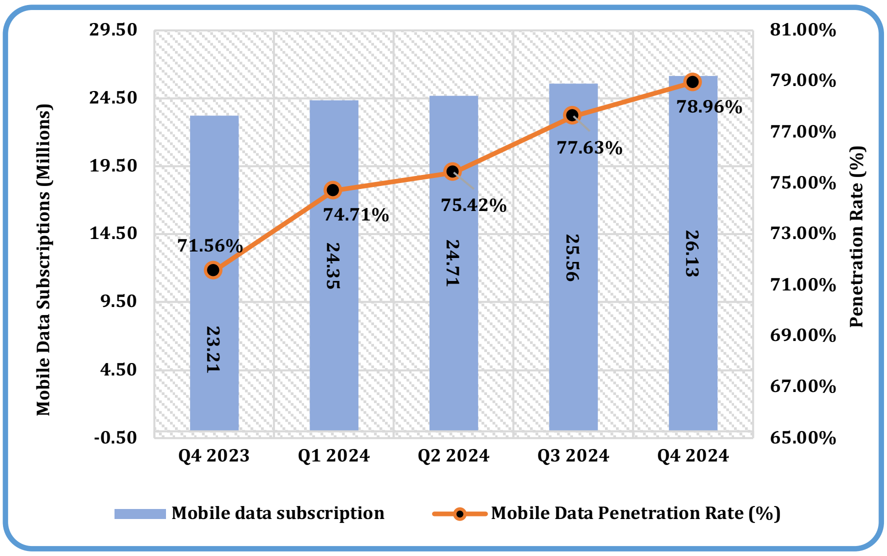

Figure 13: Mobile Data Subscriptions in Millions and Penetration Rate (%)

1.4.1 Mobile Data Prepaid and Postpaid Subscriptions

Mobile Data Prepaid subscriptions increased from 25.34 million at the end of Q3 2024 to 25.91 million subscriptions at the end of Q4 2024, representing a market share of 99.16% of the total Mobile Data subscriptions.

Mobile Data Postpaid subscriptions also increased from 217,669 at the end of Q3 2024 to 218,526 at the end of Q4 2024 representing a market share of 0.84% of the total Mobile Data subscriptions. (Figure: 14) (Appendix, Table 14).

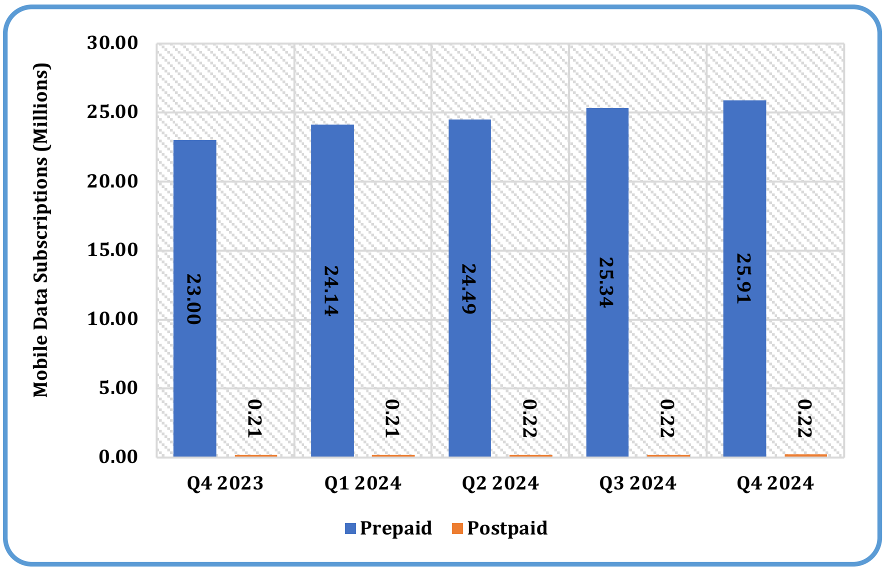

Figure 14: Mobile Data Pre-paid and Post-paid Subscriptions

1.4.2 Mobile Data Subscription per Operator

MTN recorded 20.63 million subscriptions, which represents 78.94% of the market, while Telecel recorded 3.89 million subscriptions with a 14.90% share of the market during the quarter under review. AT also had 1.61 million in mobile data subscriptions with a 6.16% share of the market at the end of Q4 2024. (Figure15).

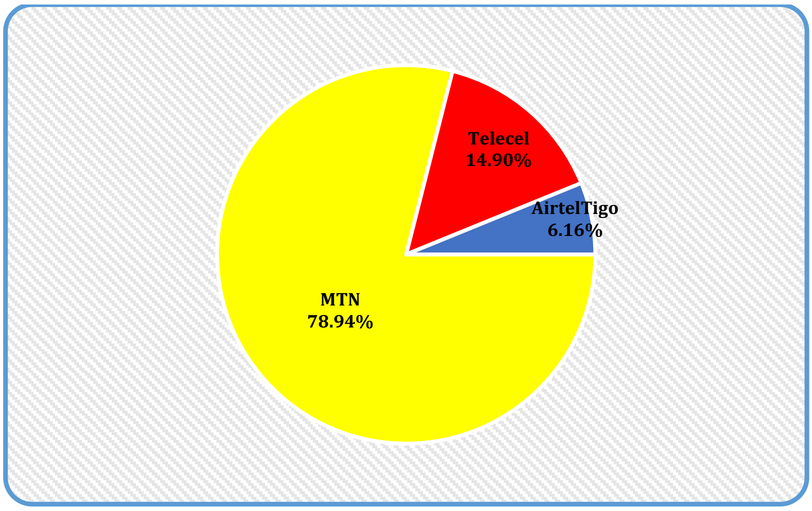

Figure 15: Mobile Data Market Share per Operator

1.5 Mobile Data Traffic

At the end of Q4 2024, mobile data traffic generated by the Operators was 763.26 billion (MB), recording an increase in growth by 15.38% as compared to 661.51 billion (MB) at the end of Q3 2024.

Year-on-Year mobile data traffic increased from 495.89 billion (MB) at the end of Q4 2023 to 763.26 billion (MB) at the end of Q4 2024, representing an increase of 53.92%. (Figure 16) (Appendix, Table 16).

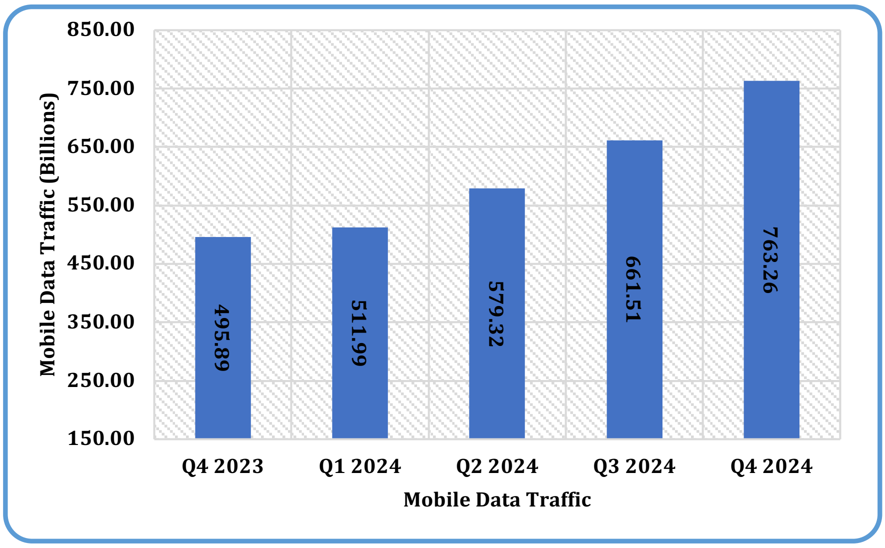

Figure 16: Mobile Data Traffic in Billions of Megabytes (MB)

1.5.1 Mobile Data Usage per Subscription [4]

Mobile Data Usage per subscription increased from 26,168 MB at the end of Q3 2024 to 29,463 MB at the end of Q4 2024 recording a growth of 12.59%.

Year-on-Year mobile data usage per subscription increased from 21,906MB at the end of Q4 2023 to 29,463 MB at the end of Q4 2024, recording a growth of 34.50% (Figure 17) (Appendix, Table 17).

4 Mobile data usage per subscription is calculated by dividing the total volume of data traffic for the quarter by the total average mobile data subscription for that quarter.

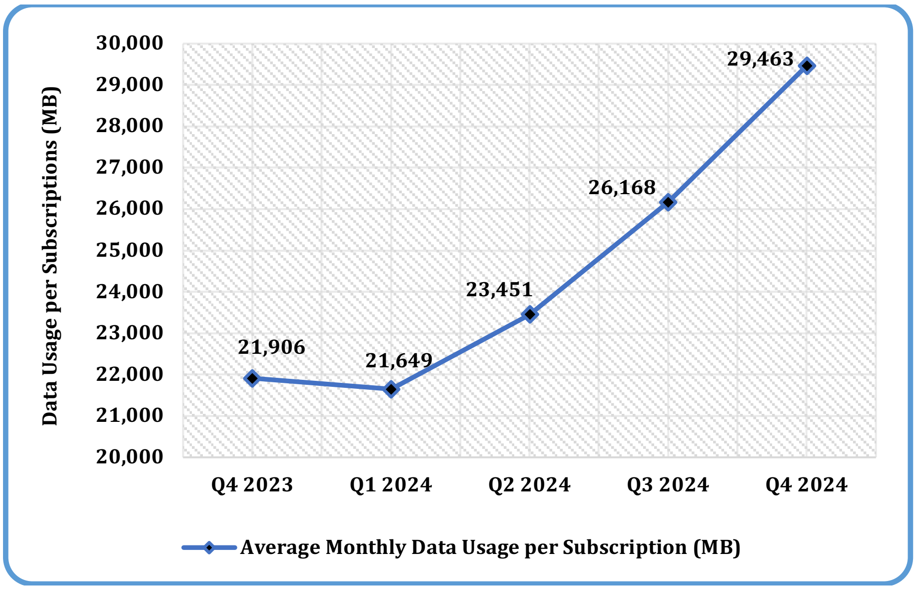

Figure 17: Mobile Data Usage per Subscription (MB)

1.5.2 Mobile Data Traffic per Operator

MTN generated the highest volume of mobile data traffic, 631.77 billion (MB) with a market share of 84.99%. Telecel followed with a traffic of 109.25 billion (MB) and a market share of 14.70%. AT also had 2.130billion (MB) of data, recording a market share of 0.31%. (Figure 18) (Appendix, Table 18)

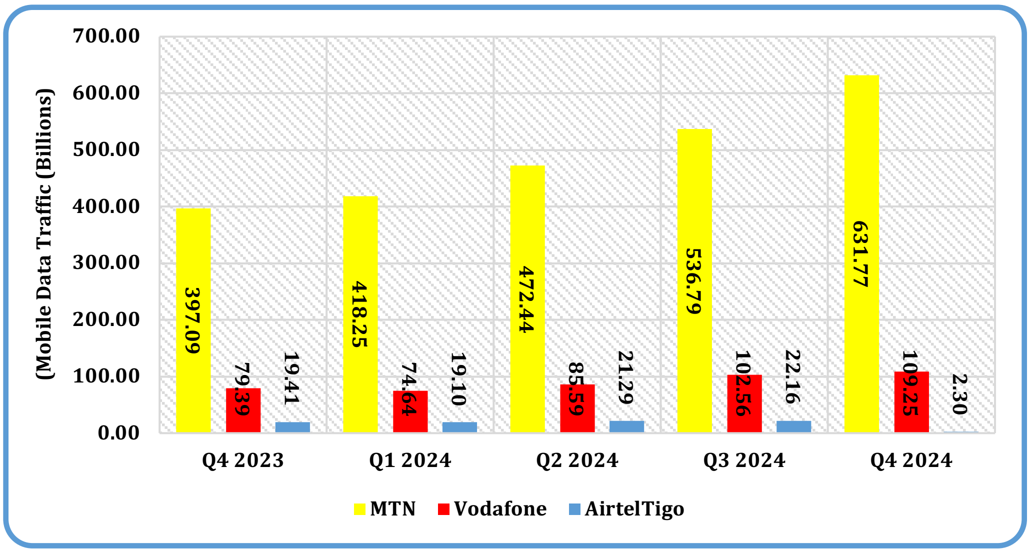

Figure 18: Mobile Internet Traffic (MB) per Operator

1.6 Mobile Telecommunications Service Tariffs

Quarter-on-Quarter average default tariffs for Off-Net mobile voice was GHc 0.14 at the end of Q4 2024. Average default On-Net tariffs mobile voice was also GHc 0.14. Average default Off-Net and On-Net SMS tariffs both stood at GHc 0.06. The average default data tariffs for the quarter under review was GHc 0.14. (Figure 19)(Appendix, Table 19).

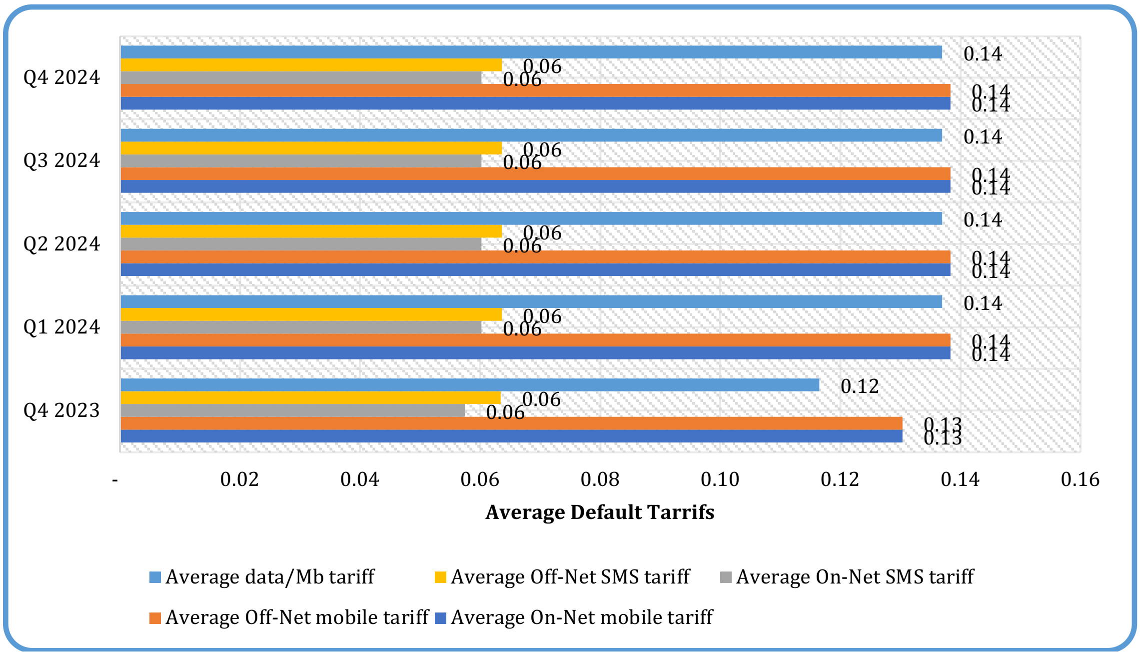

Figure 19: Average Mobile Tariffs per Service

2.0 BROADBAND WIRELESS ACCESS (BWA)

As at Q4 2024, Telesol is the only operational BWA(s) and thus submitted data for this report.

2.1 BWA Subscriptions and Penetration Rate

BWA subscriptions in the country remained same at 1,454 subscriptions at the end of Q4 2024, as previously recorded at the end of Q3 2024.

Year-on-Year subscriptions increased by 1.61% from 1,431 in Q4 2023 to 1,454 at the end of Q4 2024. Penetration rate for Broadband Wireless Access was 0.004% at the end of Q4 2024. (Figure 20) (Appendix, Table 20).

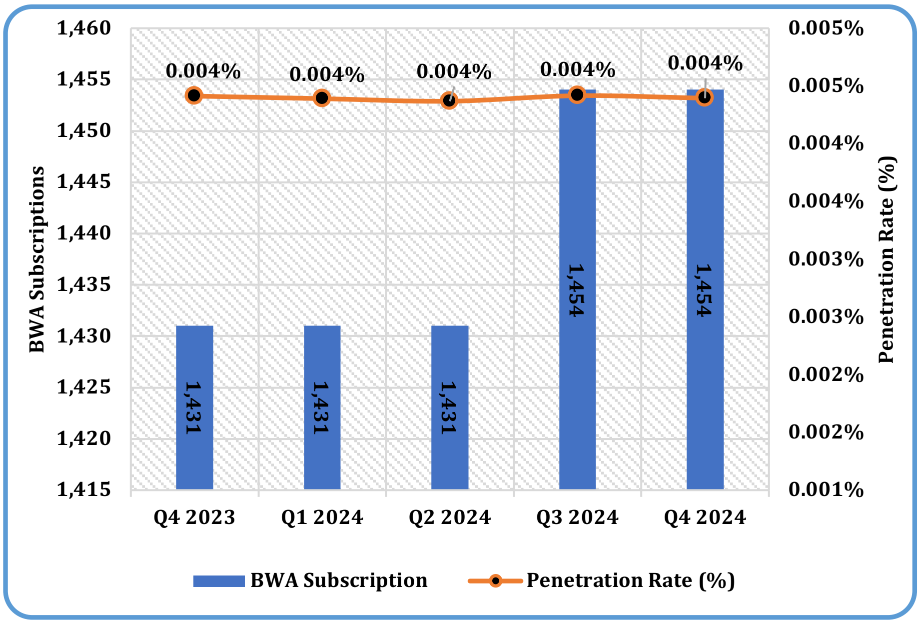

Figure 20: BWA Subscription and Penetration Rate

2.1.1 Subscriptions per Broadband Wireless Access (BWA) per Operator

As at the end of Q4 2024, BWA subscriptions for Telesol stood at 1,454 representing a market share of 100%. (Figure 21) (Appendix, Table 20).

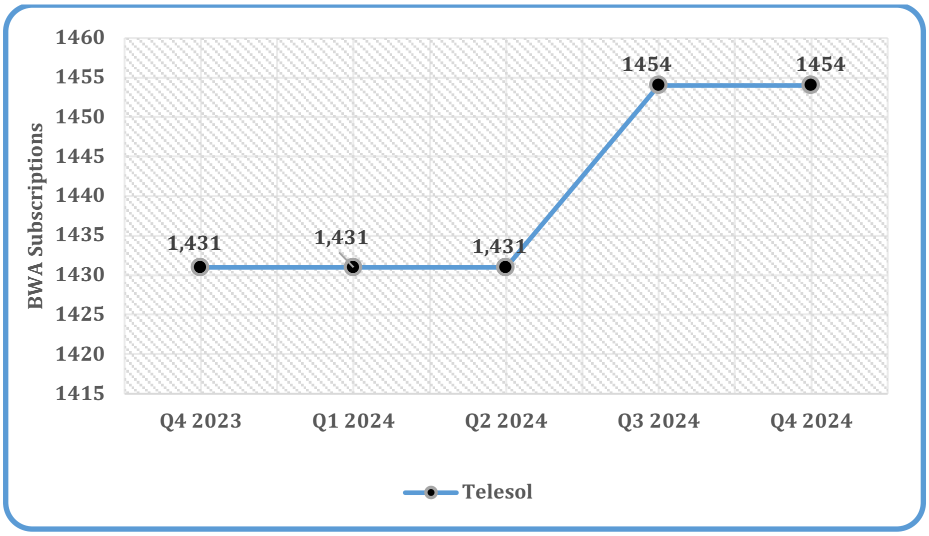

Figure 21: Subscriptions per Broadband Wireless Access (BWA) Operator

2.2 Broadband Wireless Access (BWA) Volume of Internet Traffic

The total volume of data traffic generated by the BWAs decreased from 203.76 million (MB) at the end of Q3 2024 to 170.49 million (MB) at the end of Q4 2024 recording a decline of 22.58%.

Year-on-Year data traffic generated by the BWA(s) also decreased from 257.23 million (MB) at the end of Q4 2023 to 170.49 million (MB) at the end of Q4 2024, representing a decline in growth by 38.89%. (Figure 22) (Appendix A, Table 21).

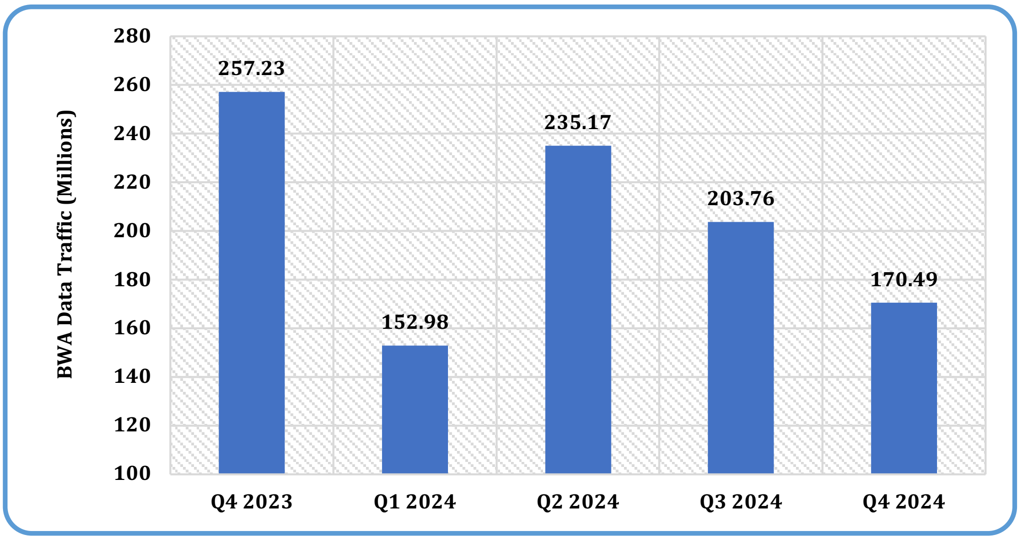

Figure 22: BWA Data Traffic in Millions of Megabytes (MB)

2.2.1 Volume of BWA Traffic per Operator

Telesol's total volume of data traffic for the quarter under review was 170.49 million MB with a market share of 100.00%. (Figure 23) (Appendix, Table 24).

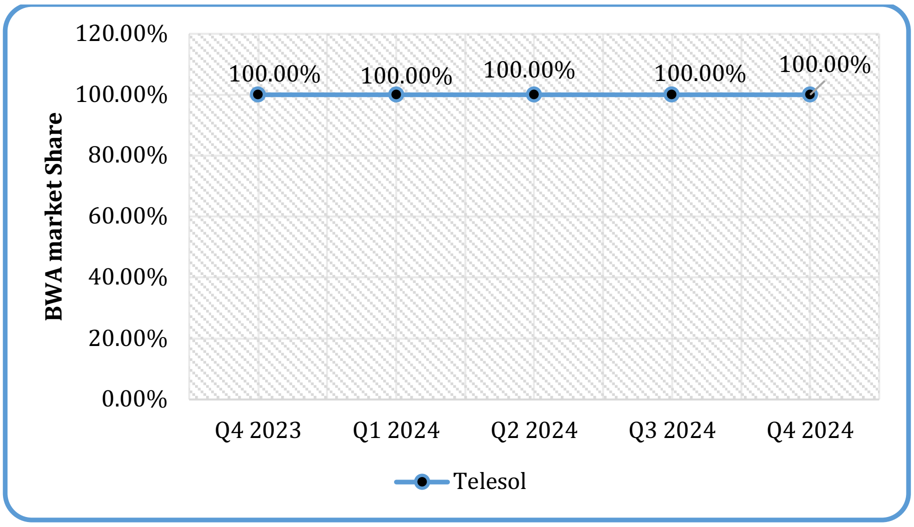

Figure 23: BWA Traffic Market Share per Operator (MB)

2.2.2 Data Usage per BWA Subscription[5]

Data usage per BWA subscription decreased from 140,136(MB) in Q3 2024 to 117,257(MB) in Q4 2024, representing a negative growth of 16.22%

Year-on-Year data usage per subscription also declined by 34.89% from 180,088(MB) in Q4 2023 to 117,257(MB) at the end of Q4 2024 (Figure 24) (Appendix, Table 24).

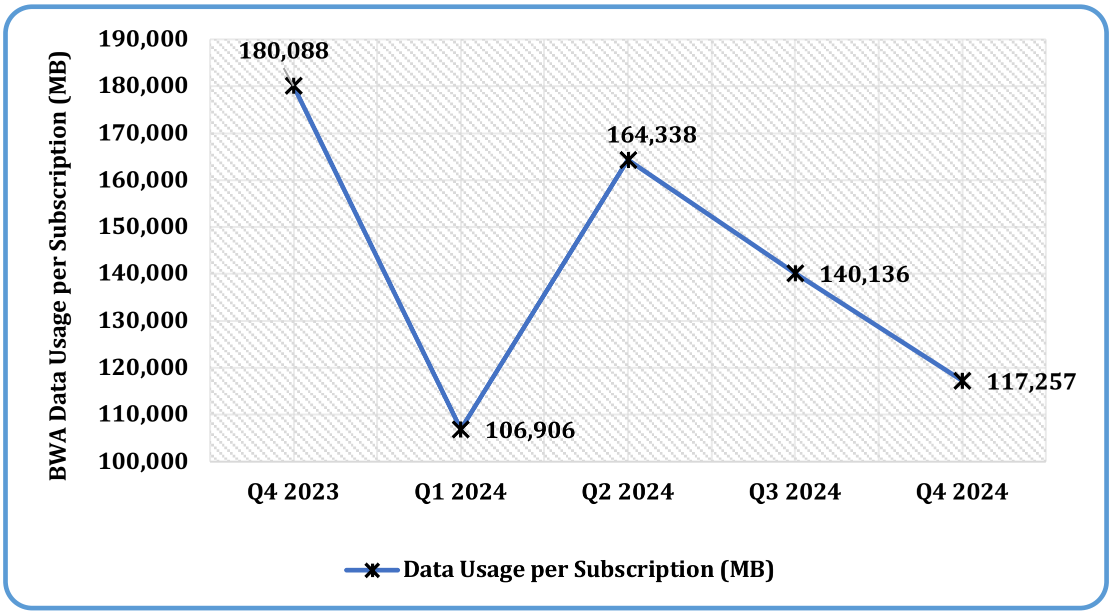

Figure 24: Data Usage per BWA Subscription

5BWA data per subscriptions is calculated by dividing the total volume of BWA's traffic for the quarter by the total average of BWA subscriptions for that quarter.

3.0 FIXED NETWORK

This section analyses the Fixed Telephone industry in Ghana. There are three (3) operators namely Telecel, AT and MTN that provide this service.

3.1 Fixed Voice Subscriptions and Penetration Rate

The total number of Fixed Voice subscriptions decreased by 14.80% from 316,154 in Q3 2024 to 269,356 at the end of Q4 2024 with a penetration rate of 0.81%.

Year-on-Year subscription decreased from 318,460 in Q4 2023 to 269,356 at the end of Q4 2024, representing a negative growth rate of 15.42% (Figure 25) (Appendix, Table 25).

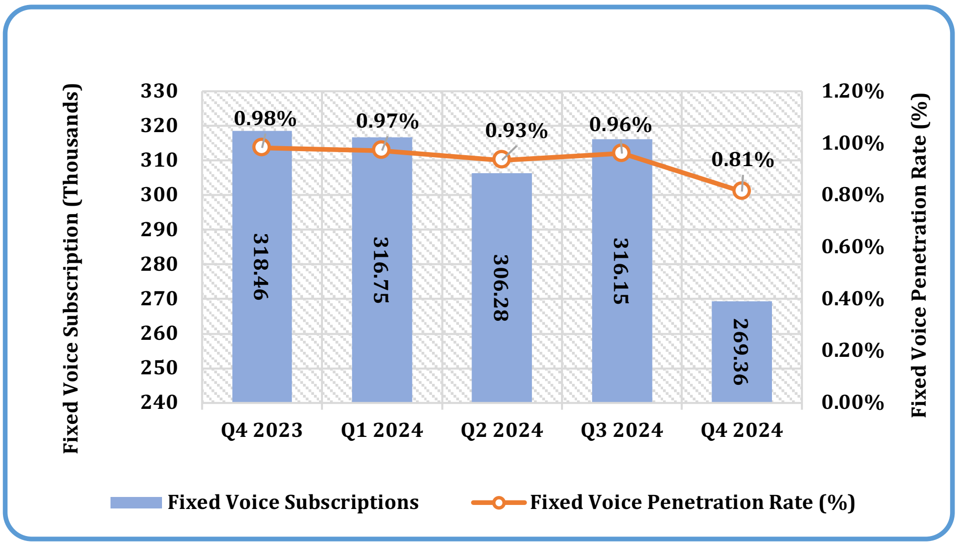

Figure 25: Fixed Network Voice Subscription and Penetration Rate

3.2 Fixed Voice Traffic

Total Fixed Voice Traffic recorded a decrease of 19.69% from 7.24 million minutes in Q3 2024 to 5.82 million minutes in Q4 2024.
Year-on-Year Total Fixed Voice Traffic however decreased by 20.00%, from 7.27 million minutes in Q4 2023 to 5.82 million minutes in Q4 2024. (Figure 26) (Appendix, Table 26).

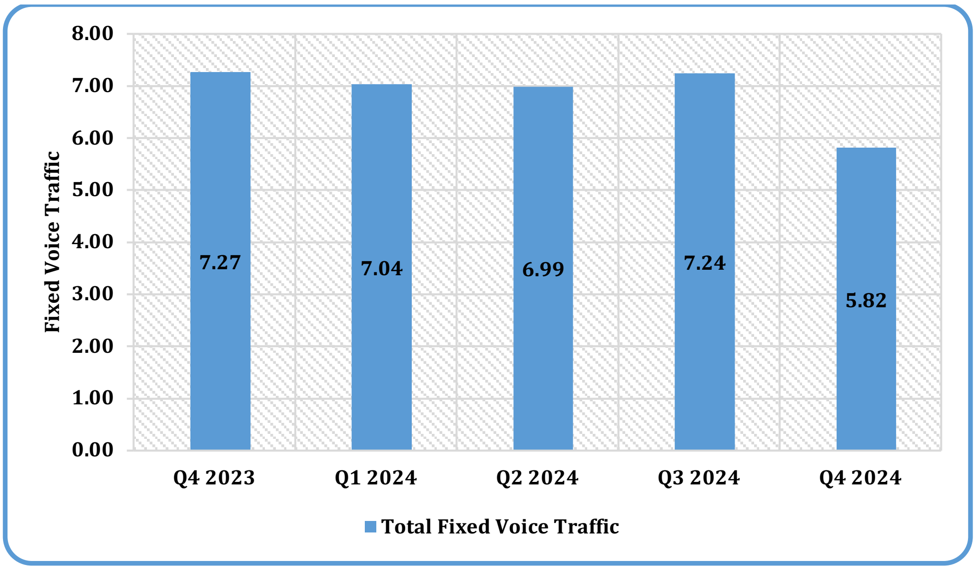

Figure 26: Total Fixed Voice Traffic

3.3 Fixed Voice Minute of Use[6]

Fixed Voice Traffic per subscription declined by 0.35% from 22.90 minutes in Q3 2024 to 21.59 minutes at the end of Q4 2024.

Year-on-Year minutes of use per subscription reduced by 7.33% from 22.81 minutes in Q4 2023 to 21.59 minutes at the end of Q4 2024 (Figure 27) (Appendix A, Table 27).

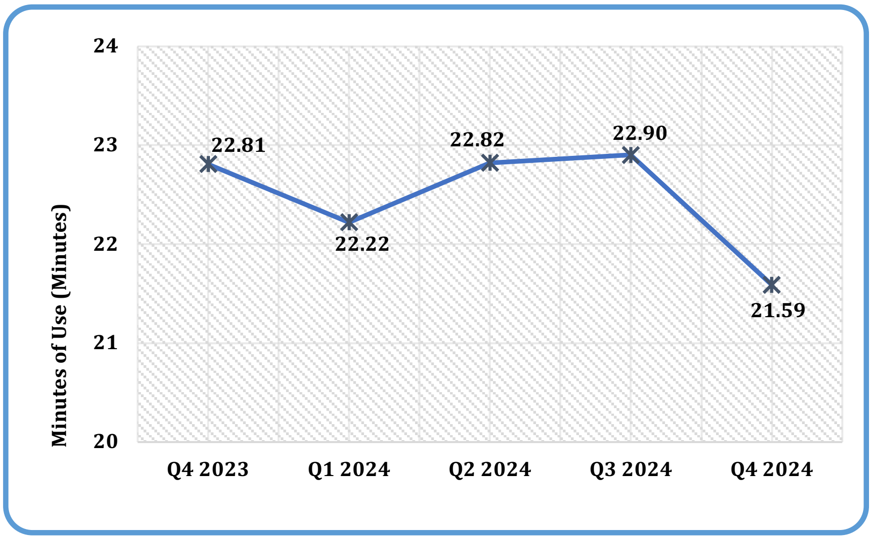

Figure 27: Fixed Network Minute of Use

3.4 Fixed Data Subscriptions and Penetration Rate

Fixed Data subscriptions went up from 122,950 in Q3 2024 to 126,742 in the quarter under review, representing a growth rate of 3.08%.

Year-on-Year Fixed Data subscriptions increased by 8.46% from 116,860 in the preceding year to 126,742 at the end of Q4 2024.

Fixed Data penetration rate at the end of Q4 2024 was 0.38%. (Figure 28) (Appendix, Table 28).

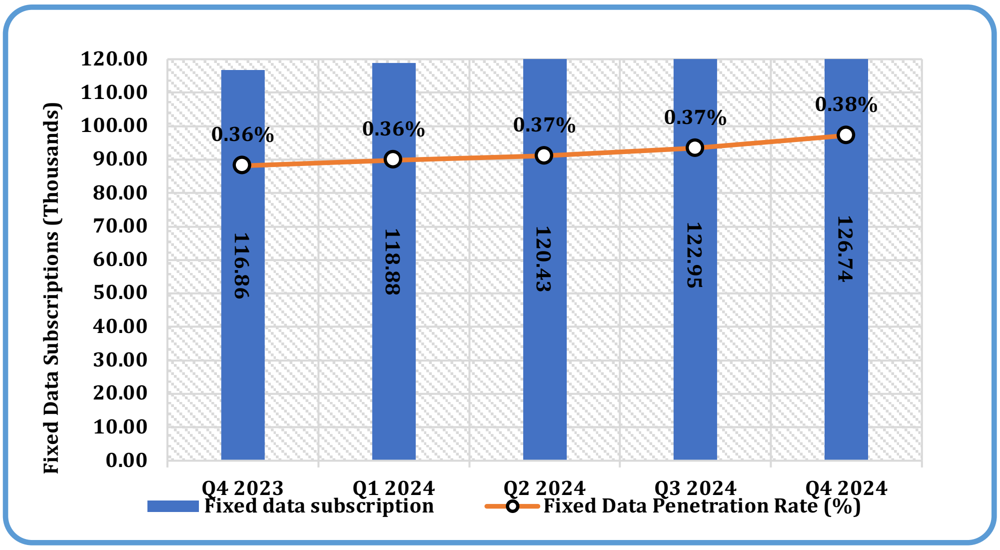

Figure 28: Fixed Data Subscriptions and Penetration

6 Fixed Network Minutes of use per subscriptions is calculated by dividing the total volume of traffic for the quarter by the total average fixed subscriptions for that quarter.

3.5 Fixed Data Subscriptions per Operator

Telecel's Fixed Data subscriptions at the end of Q4 2024 was 84,307 representing 66.52% of the market share as against 81,468 in Q3 2024.

MTN's Fixed Data subscriptions at the end of Q4 2024 was 42,041 representing 33.42% of the market share as compared to 41,096 in Q3 2024.

AT recorded 394 Fixed Data subscriptions at the end of Q4 2024 with a market share of 0.31% as compared to 386 subscriptions in the previous quarter. (Figure 29) (Appendix, Table 28).

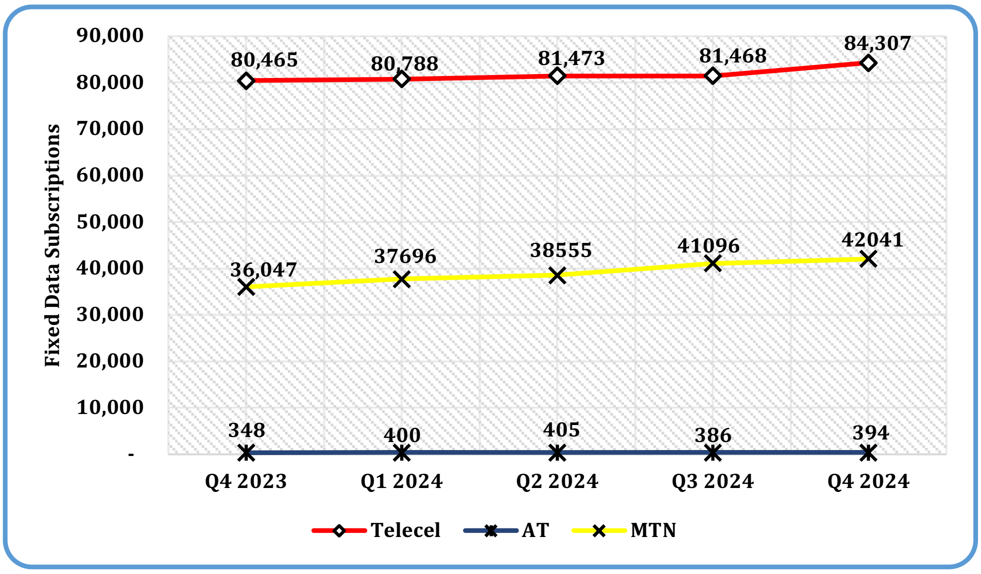

Figure 29: Fixed Data Subscription per Operator

3.6 Fixed Broadband Subscriptions

The Total Fixed Broadband subscriptions in the country grew by 2.32% from 216,143 subscriptions at the end of Q3 2024 to 221,153 subscriptions during the period under review.

Year-on-Year Fixed Broadband subscriptions also decreased marginally by 0.95% from 223,278 subscriptions at the end of Q4 2023 to 221,153 subscriptions at the end of Q4 2024. (Figure 30) (Appendix, Table 30).

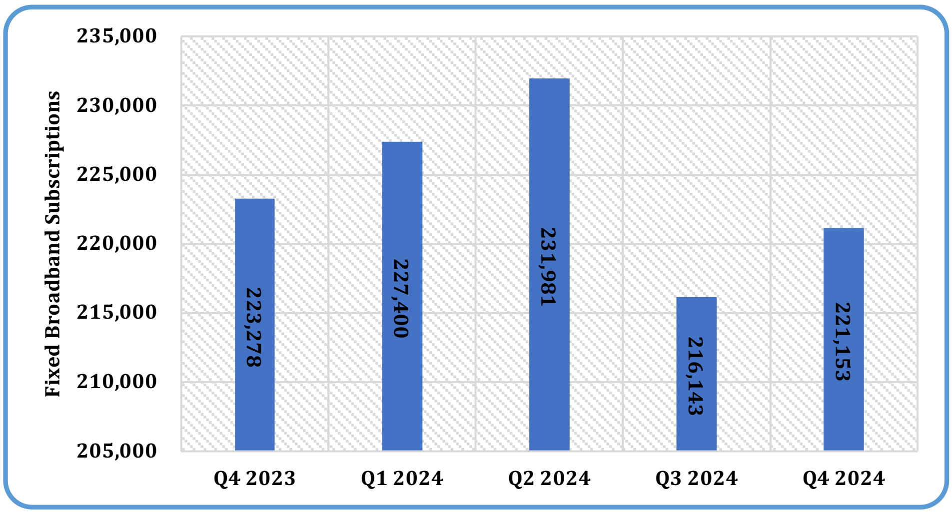

Figure 30: Fixed Broadband Subscription

3.6.1 Fixed Broadband Subscriptions per Operator

MTN recorded a market share of 62.97% with a Fixed Broadband subscription of 139,267 from Total Fixed Broadband subscriptions of 221,153 during the reference period, whilst Telecel registered a market share of 37.03% with 81,886 of Fixed Broadband subscriptions during the same period.

Quarter-on-Quarter Fixed Broadband subscriptions for MTN increased from 137,012 in Q3 2024 to 139,267 in Q4 2024 with a growth rate of 1.65%. Telecel's Fixed Broadband subscriptions also increased by 3.48% from 79,130 in Q2 2024 to 81,886 in Q4 2024.

Year-on-Year Fixed Broadband Subscriptions in the country for MTN declined by 3.93% whilst that of Telecel increased by 4.57% respectively. (Figure 31) (Appendix, Table 31)

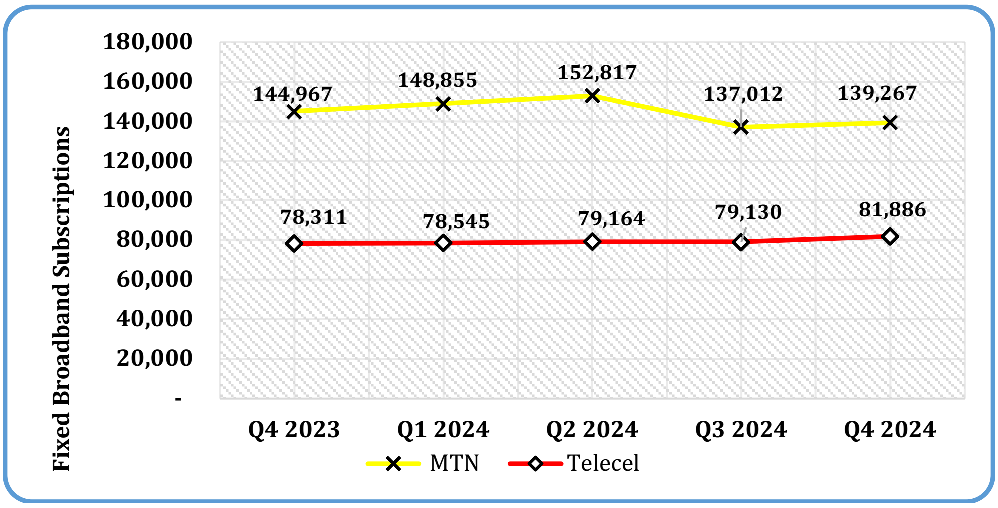

Figure 31: Fixed Broadband Subscription per Operator

3.6.2 Fixed Broadband Traffic

The Total Fixed Broadband Traffic increased by 3.13% from 111.18 billion in Q3 2024 to 114.66 billion minutes during the reference period.

Year-on-Year total Fixed Broadband Traffic also increased by 9.27% from 104.93% billion minutes at the end of Q4 2023 to 114.66 billion minutes at the end of Q4 2024. (Figure 32) (Appendix, Table 32)

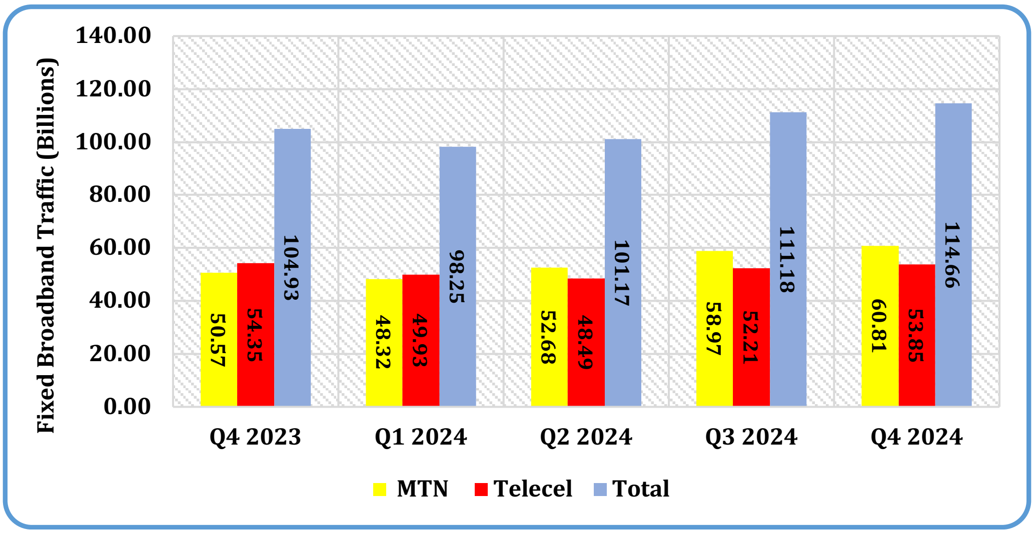

Figure 32: Fixed Broadband Traffic

4.0 BROADCASTING

4.1 Authorised Frequency Modulation (FM) Radio Stations

The total number of Authorised FM Stations in Ghana as at the end of Q4 2024 was 805 with 549 in operation.

The Ashanti Region had the highest number of Authorised FM stations (117), representing 14.53% of the total number of Authorised FM Stations in the country. The North East Region had the least number of Authorised FM Stations (13), representing 1.61% of the total Authorised FM Stations in the country. (Figure 33) (Appendix A, Table 33 & 34).

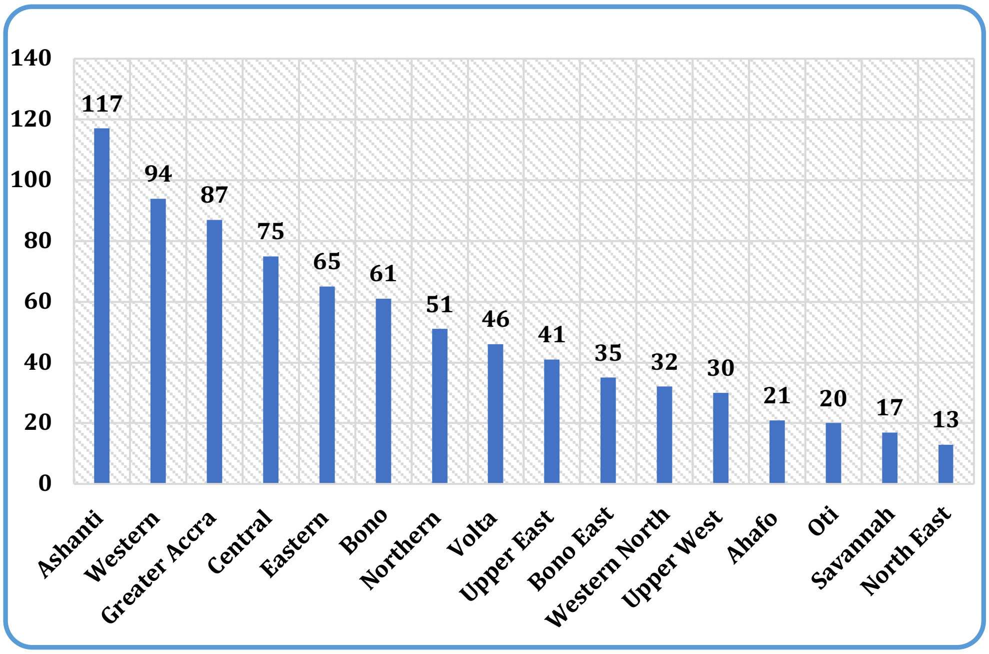

Figure 33: Regional distribution of Authorised FM Stations as at end of Q4 2024

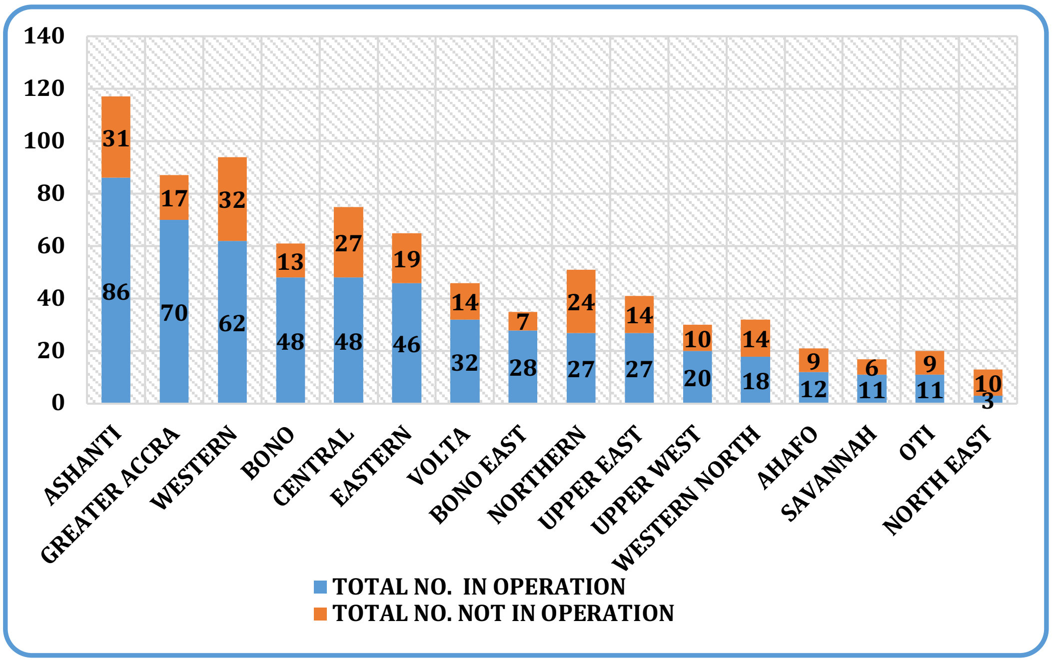

Figure 34: Regional distribution of On-air and Off-air FM Stations at end of Q4 2024

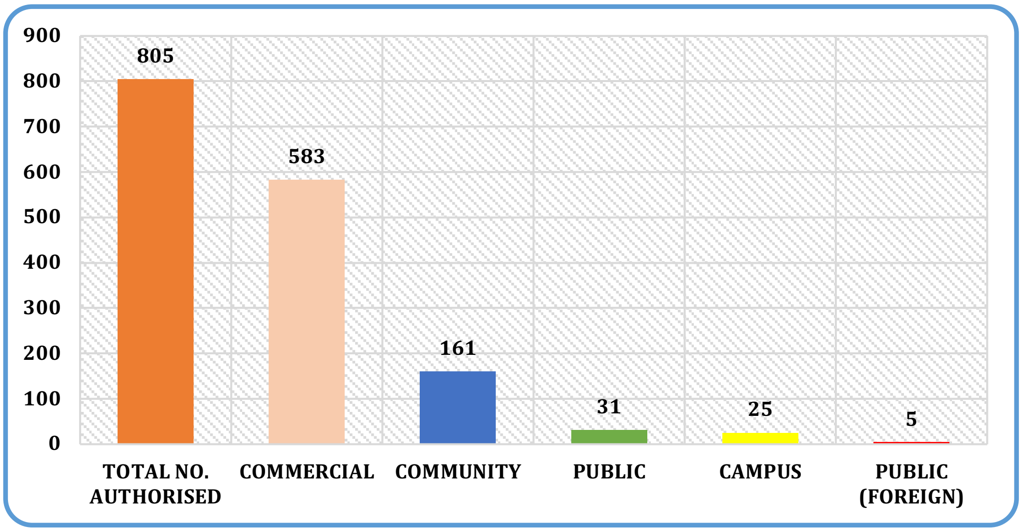

Figure 35: Category by Purpose of Authorised Radio Stations as at Q4 2024

4.2 Authorised Television Stations

The total number of Authorised TV Stations in Ghana at the end of Q4 2024 was 181 out of which 133 were operational during the quarter under review, representing 783.48% of the total number of Authorised TV Stations in the country (Figure 36) (Appendix A, Table 34)

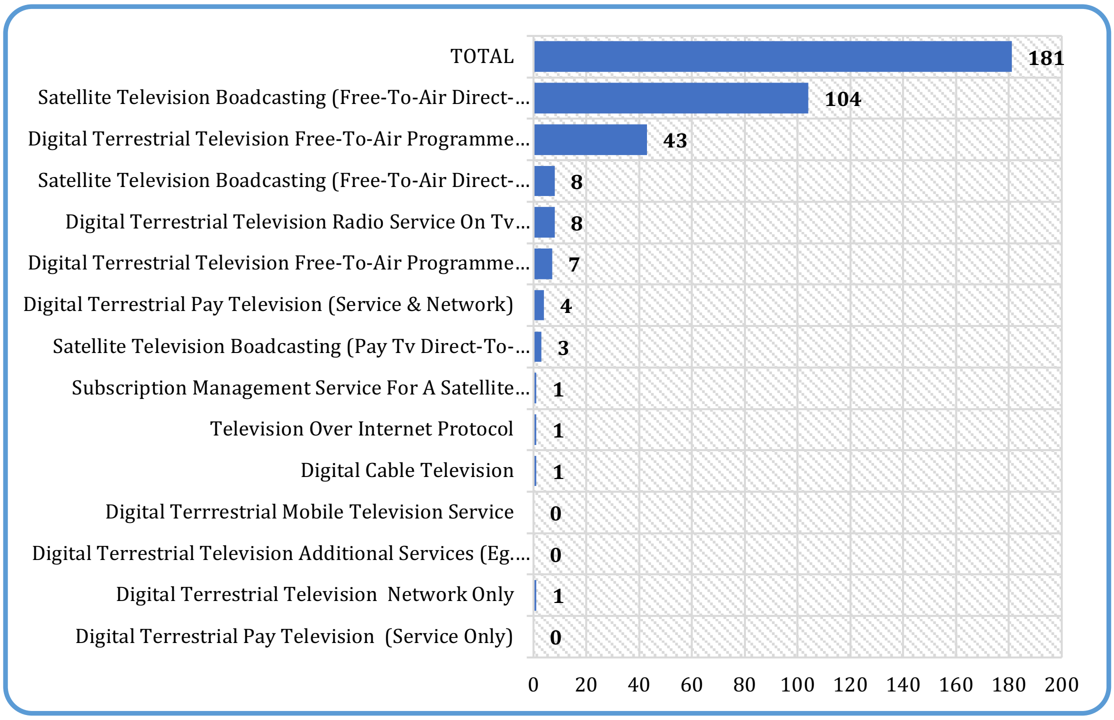

Figure 36: Authorised TV Stations as at Q4 2024

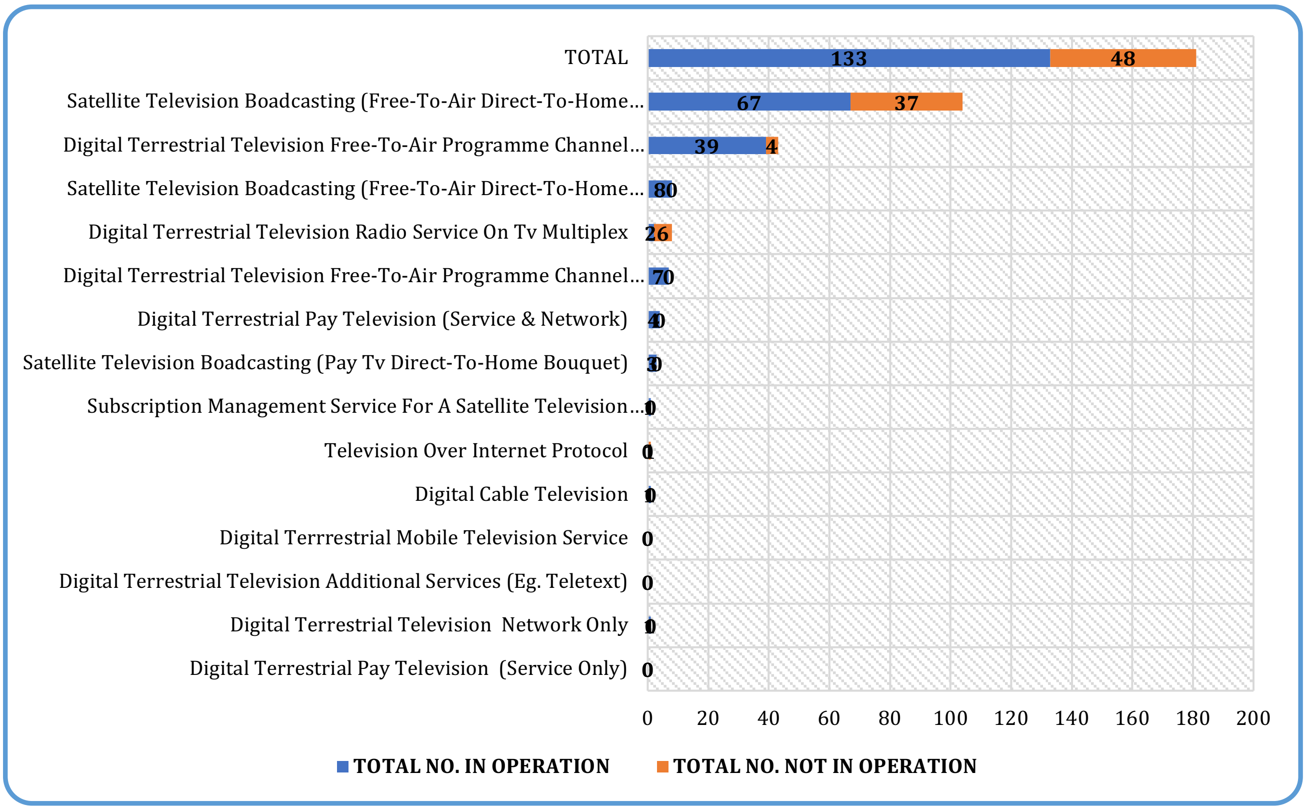

Figure 37: Distribution of Types of TV Services (On-Air and Off-Air TV Stations) as at end of Q4 2024

Appendix A (List of Tables)

Table 1: Mobile Voice Subscriptions and Penetration Rate

Subscription	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Mobile Subscription	33,384,460	34,878,543	37,553,607	38,469,268	38,408,712
Mobile Subscription Growth Rate (%)	2.57%	4.48%	7.67%	2.44%	-0.16%
Net additions	837,155	1,494,083	2,675,064	915,661	60,556
Population	32,429,591	32,594,648	32,759,699	32,924,755	33,089,811
Penetration Rate (%)	**102.94%**	**107.01%**	**114.63%**	**116.84%**	**116.07%**

Table 2: Mobile Voice Subscriptions and Market Share per Operator

Mobile Network Operator		Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	Subscriptions	24,652,582	25,900,163	28,381,349	28,885,932	28,408,649
	Market Share (%)	73.84%	74.26%	75.41%	75.09%	73.96%
Telecel	Subscriptions	6,275,415	6,248,863	6,373,676	6,678,979	6,968,464
	Market Share (%)	18.80%	17.92%	16.97%	17.36%	18.14%
AT	Subscriptions	2,456,463	2,729,517	2,861,582	2,904,357	3,031,599
	Market Share (%)	7.36%	7.83%	7.62%	7.55%	7.89%
Total Industry Subscription		**33,384,460**	**34,878,543**	**37,553,607**	**38,469,268**	**38,408,712**

Table 3: Prepaid and Post-paid Voice Subscriptions and Market Share

Subscription	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Prepaid	32,941,379	34,463,243	37,126,056	38,066,589	37,993,918
Market Share	98.67%	98.81%	98.86%	98.95%	98.92%
Post-paid	443,081	415,300	427,551	402,679	414,794
Market Share	1.33%	1.19%	1.14%	1.05%	1.08%
Total mobile subscription	**33,384,460**	**34,878,543**	**37,553,607**	**38,469,268**	**38,408,712**

Table 4: Machine - to – Machine Subscriptions

Mobile Network Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	696,099	721,031	870,853	1,083,697	1,084,627
Telecel	655,653	857,965	871,451	1,071,051	1,131,926
AT	1,706	3,080	2,964	2,747	2,654
Total	**1,353,458**	**1,582,076**	**1,745,268**	**2,157,495**	**2,219,207**

Table 5: Devices and Terminals

No	Category of Phones	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
1	Smartphone Devices	18,686,118	20,938,496	21,465,086	20,868,129	23,236,048
	Market Share (%)	54.19%	55.04%	*55.05%*	*56.64%*	57.87%
	Growth (%)	-9.07%	12.05%	2.51%	-2.78%	11.35%
2	Feature Phone Devices	11,450,697	11,860,489	11,780,513	10,623,972	10,792,867
	Market Share (%)	33.21%	31.17%	*30.21%*	*28.84%*	26.88%
	Growth (%)	-8.62%	3.58%	-0.67%	-9.82%	1.59%
3	Basic Phone Devices	4,347,697	5,246,383	5,744,236	5,349,040	6,124,118
	Market Share (%)	12.61%	13.79%	*14.73%*	*14.52%*	15.25%
	Growth (%)	-10.59%	20.67%	9.49%	-6.88%	14.49%
Total		**34,484,512**	**38,045,368**	**38,989,835**	**36,841,141**	**40,153,033**

Table 6: Mobile Off-Net Traffic Distribution between Mobile and Fixed Network

Breakdown of Off-Net Traffic	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Traffic (Mobile to Mobile)	2,025,958,893	2,019,078,737	1,943,131,873	2,063,563,763	2,342,153,840
Share (%)	99.37%	99.38%	99.35%	99.44%	99.76%
Growth (%)	1.64%	-0.34%	-3.76%	6.20%	13.50%
Traffic (Mobile to Fixed)	12,894,213	12,590,993	12,791,596	11,665,533	5,660,587
Share (%)	0.63%	0.62%	0.65%	0.56%	0.24%
Growth (%)	6.03%	-2.35%	1.59%	-8.80%	-51.48%
Total Off-Net Traffic	**2,038,853,106**	**2,031,669,730**	**1,955,923,470**	**2,075,229,296**	**2,347,814,427**

Table 7: Total Domestic Mobile Voice Traffic in Minutes

Traffic	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Traffic (Off-Net)	2,038,853,106	2,031,669,730	1,955,923,470	2,075,229,296	2,347,814,427
Share (%)	7.76%	7.39%	7.03%	7.41%	8.00%
Growth (%)	1.67%	-0.35%	-3.74%	6.10%	13.14%
Traffic (On-Net)	24,221,174,621	25,461,814,435	25,875,046,993	25,912,381,839	27,011,080,727
Share (%)	92.24%	92.61%	92.97%	92.59%	92.00%
Growth (%)	6.29%	5.12%	1.62%	0.14%	4.24%
Total traffic	**26,260,027,729**	**27,493,484,165**	**27,830,970,463**	**27,987,611,135**	**29,358,895,152**

Table 8: Mobile Voice Traffic Minutes of Use (MoU) per Subscriptions

Traffic	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total mobile voice traffic	26,260,027,729	27,493,484,165	27,830,970,463	27,987,611,135	29,358,895,152
Average Mobile voice subscription	33,175,723	34,254,361	36,560,983	38,131,609	38,756,657
Minutes of Use (MoU) per Subscription	791.57	802.63	762.01	733.97	757.52
MoU growth rate (%)	**5.49%**	**1.40%**	**-5.16%**	**-3.58%**	**3.21%**

Table 9: International Traffic

Traffic	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Incoming International Traffic	41,433,562	37,418,879	34,651,709	36,210,403	41,448,117
Growth (%)	-20.04%	-9.69%	-7.40%	4.50%	
Outgoing International Traffic	66,062,017	63,299,390	57,837,414	41,443,043	62,675,957
Growth (%)	**-1.56%**	**-4.18%**	**-8.63%**	**-28.35%**	**51.23%**

Table 10: Total Number of Short Messages Services

SMS	Q4 2023	Q1 2024	Q2 2024	Q3 2023	Q4 2024
Off-Net SMS	383,606,210	388,333,987	331,768,815	444,205,829	483,899,004
On-Net SMS	581,313,448	554,291,164	462,267,709	461,247,653	624,216,669
Total SMS	964,919,658	942,625,151	794,036,524	905,453,482	1,108,115,673

Table 11: Total Number of SMS per Mobile Network Operator in Millions

Mobile Operators	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Off-Net					
MTN	160,524,754	166,466,669	138,725,312	131,013,745	147,051,464
Telecel	216,280,109	215,504,865	185,485,017	304,699,538	326,253,888
AT	6,801,347	6,362,453	7,558,486	8,492,546	10,593,652
Total	**383,606,210**	**388,333,987**	**331,768,815**	**444,205,829**	**483,899,004**
On- net					
MTN	494,182,894	457,869,666	364,035,777	286,723,061	410,713,203
Telecel	86,307,280	95,805,764	97,373,411	173,658,643	212,884,094
AT	823,274	615,734	858,521	865,949	619,372
Total	**581,313,447**	**554,291,164**	**462,267,709**	**461,247,653**	**624,216,669**
Total					
MTN	654,707,648	624,336,335	502,761,089	417,736,806	557,764,667
Telecel	302,587,389	311,310,629	282,858,428	478,358,181	539,137,982
AT	7,624,621	6,978,187	8,417,007	9,358,495	11,213,024
Total	**964,919,658**	**942,625,151**	**794,036,524**	**905,453,482**	**1,108,115,673**

Table 12: Average SMS per Subscription

SMS Subscriptions	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total SMS	964,919,658	942,625,151	794,036,524	905,453,482	1,108,115,673
Average Mobile Subscription	33,174,731	34,254,361	35,607,123	38,131,609	38,756,657
SMS per Subscription	**29**	**28**	**22**	**24**	**29**

Table 13: Mobile Data Subscriptions and Penetration Rate

Subscription	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Mobile data subscription	23,207,628	24,351,778	24,708,749	25,560,884	26,127,592
Data Subscription Growth Rate (%)	4.10%	4.93%	1.47%	3.45%	2.22%
Net Additions	914,141	1,144,150	356,971	852,135	566,708
Net Additions Growth Rate (%)	1823%	25%	-69.00%	139%	-33%
Population	32,429,591	32,594,648	32,759,699	32,924,755	33,089,811
Mobile Data Penetration Rate (%)	71.56%	74.71%	75.42%	77.63%	78.96%

Table 14: Mobile Data Subscriptions (Prepaid/Postpaid)

Table 15: Mobile Data Subscriptions (Prepaid/Postpaid)

Mobile Data Subscriptions		Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Prepaid	Subscription	22,996,027	24,140,313	24,492,744	25,343,215	25,909,066
	Market Share	99.09%	99.13%	99.13%	99.15%	99.16%
Post-paid	Subscription	211,601	211,465	216,005	217,669	218,526
	Market Share	0.91%	0.87%	0.87%	0.85%	0.84%
Total mobile data subscriptions		**23,207,628**	**24,351,778**	**24,708,749**	**25,560,884**	**26,127,592**

Table 16: Mobile Data Subscriptions per Mobile Network Operator and Market Share

Mobile Network Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	18,675,841	19,601,366	19,890,327	20,311,829	20,626,311
	80.47%	80.49%	80.50%	79.46%	78.94%
Vodafone	3,066,359	3,120,886	3,181,152	3,645,955	3,892,046
	13.21%	12.82%	12.87%	14.26%	14.90%
AT	1,465,428	1,629,526	1,637,270	1,603,100	1,609,235
	6.31%	6.69%	6.63%	6.27%	6.16%
Total	**23,207,628**	**24,351,778**	**24,708,749**	**25,560,884**	**26,127,592**

Table 17: Mobile Data Traffic in Billions of Megabytes (MB)

Mobile Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total Mobile data usage (MB)	495,892,100,256	511,988,575,879	579,320,191,818	661,510,708,147	763,255,614,512

Table 18: Mobile Internet Usage per Subscription (MB)

Mobile Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total Mobile data usage (MB)	495,892,100,256	511,988,575,879	579,320,191,818	661,510,708,147	763,255,614,512
Average Data Subscription	22,637,744	23,649,354	24,703,275	25,279,367	25,905,295
Data Usage per Subscription (MB)	**21,908**	**21,649**	**23,451**	**26,168**	**29,463**

Table 19: Mobile Data Traffic (MB) per Operator

Mobile Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	397,129,997,454	418,249,540,204	472,436,496,673	536,788,144,348	631,773,087,427
	80.08%	81.69%	81.55%	81.15%	84.99%
Telecel	79,403,282,637	74,642,592,094	85,591,212,100	102,559,366,530	109,253,043,956
	16.01%	14.58%	14.77%	15.50%	14.70%
AT	19,406,425,423	19,096,443,582	21,292,483,044	22,163,197,269	2,299,483,128
	3.91%	3.73%	3.68%	3.35%	0.31%
Total Industry Traffic (MB)	**495,939,705,513**	**511,988,575,879**	**579,320,191,817**	**661,510,708,147**	**743,325,614,511**

Table 20: Average Mobile Tariff per Service (GH¢)

Tariff	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Average On-Net mobile tariff	0.13	0.13	0.14	0.14	0.14
Average Off-Net mobile tariff	0.13	0.13	0.14	0.14	0.14
Average On-Net SMS tariff	0.06	0.06	0.06	0.06	0.06
Average Off-Net SMS tariff	0.06	0.06	0.06	0.06	0.06
Average data/Mb tariff	0.12	0.12	0.14	0.14	0.14

Table 21: BWA Data Subscriptions and Penetration

BWA Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Subscription	1,431	1,431	1,431	1,454	1,454
Growth rate (%)	0.77%	0.00%	0.00%	1.61%	0.00%
Net Additions	11	0	0	23	0
Population	32,429,591	32,594,648	32,759,699	32,924,755	33,089,811
Penetration Rate (%)	**0.004%**	**0.004%**	**0.004%**	**0.004%**	**0.004%**

Table 22: Broadband Volume of Internet Traffic

BWA operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Industry Total (MB)	257,225,394	152,982,518	235,167,488	203,757,131	170,490,993

Table 23: Subscriptions per Broadband Wireless Access (BWA) Operator

BWA Operator	Subscription and Market Share	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Telesol	Subscription	1,431	1,431	1,431	1,454	1,454
	Market share (%)	100.00%	100.00%	100%	100%	100%
Industry Total		**1,431**	**1,431**	**1,431**	**1,454**	**1,454**

Table 24: Data Traffic (MB) per Broadband Wireless Access (BWA) per Operator

BWA Operator		Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Telesol	Data usage (MB)	257,225,394	152,982,518	235,167,488	203,757,131	170,490,993
	Market Share (%)	100.00%	100.00%	100.00%	100%	100.00%
Industry Total (MB)		**257,225,394**	**152,982,518**	**235,167,488**	**203,757,131**	**170,490,993**

Table 25: Internet Usage per BWA Subscriptions (MB)

BWA Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total Volume of Data Traffic	257,225,394	152,982,518	235,167,488	203,757,131	170,490,993
Average BWA Subscription	1,428	954	1,431	1454	1,454
Data Usage per Subscription (MB)	**180,088**	**160,359**	**164,338**	**140,136**	**117,257**

Table 26: Fixed Network Voice Subscriptions and penetration

Fixed Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Telecel	316,120	314,143	303,575	302,890	261,553
	99.27%	99.18%	99.12%	95.80%	97.10%
AT	933	946	929	943	912
	0.29%	0.30%	0.30%	0.30%	0.34%
MTN	1,407	1,664	1,776	12,321	6891
	0.44%	0.53%	0.58%	3.90%	2.56%
Total industry subscription	**318,460**	**316,753**	**306,280**	**316,154**	**269,356**
Population	32,429,591	32,594,648	32,759,699	32,924,755	33,089,811
Fixed Network Penetration Rate (%)	**0.98%**	**0.97%**	**0.93%**	**0.96%**	**0.81%**

Table 27: Fixed Network voice (Volume of Traffic in Minutes)

Traffic	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
On-Net Fixed voice traffic	-	-	-	-	-
Off-Net fixed voice traffic	7,268,804	7,038,835	6,990,723	7,241,115	5,815,131
Total Fixed Voice Traffic	**7,268,804**	**7,038,835**	**6,990,723**	**7,241,115**	**5,815,131**

Table 28: Fixed Network voice (Minute of Use per Subscriptions)

Fixed Network (MoU)	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Total Fixed Voice Traffic	7,268,804	7,038,835	6,990,723	7,241,115	5,815,131
Average Fixed Subscription	318,658	316,753	306,280	316,154	269,356
Minutes of Use per Subscription (MoU)	22.811	22.222	22.825	22.90	21.59
Growth Rate	**-7.70%**	**-2.58%**	**2.71%**	**0.35%**	**-5.74%**

Table 29: Fixed Line Data Subscriptions and Penetration

Fixed Network	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Telecel	80,465	80,788	81,473	81,468	84,307
	68.86%	67.96%	67.65%	66.26%	66.52%
AT	348	400	405	386	394
	0.30%	0.34%	0.34%	0.31%	0.31%
MTN	36,047	37,696	38,555	41,096	42041
	30.85%	31.71%	32.01%	33.42%	33.17%
Total Fixed data	116,860	118,884	120,433	122,950	126,742
Population	32,429,591	32,594,648	32,759,699	32,759,700	33,089,811
Fixed Data Penetration	**0.36%**	**0.36%**	**0.37%**	**0.38%**	0.38%

Table 30: Fixed Line Data Subscriptions per Network Operator

Fixed Network Operator	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Vodafone	80,465	80,788	81,473	81,468	84,307
AT	348	400	405	368	394
MTN	36,047	37,696	38555	41,096	42,041
Total fixed data subscription	**116,860**	**118,884**	**120,433**	**122,950**	**126,742**

Table 31: Fixed Broadband Subscriptions

Quarter	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
Fixed Broadband Subscription	223,278	227,400	231,981	216,142	221,153

Table 32: Fixed Broadband Subscriptions per Operator

Fixed Broadband Operators	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	144,967	148,855	152,817	137,012	139,267
Telecel	78,311	78,545	79,164	79,130	81,886
Total	**223,278**	**227,400**	**231,981**	**216,142**	**221,153**

Table 33: Fixed Broadband Traffic

Fixed Broadband Operators	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
MTN	50,574,572,851	48,318,002,739	52,681,949,607	58,967,116,911	60,807,261,494
Telecel	54,354,961,966	49,929,433,855	48,490,598,437	52,210,324,852	53,849,282,977
Total	**104,929,534,817**	**98,247,436,594**	**101,172,548,044**	**111,177,441,763**	**114,656,544,471**

Table 34: Regional Distribution of FM Stations by Purpose as at the end of Q4 2024

Name of Regions	Public	Public (Foreign)	Community	Campus	Commercial
Ashanti	2	1	28	5	81
Bono	1	0	6	3	51
Bono East	2	0	7	0	26
Ahafo	0	0	4	0	17
Central	2	0	20	4	49
Eastern	2	0	24	1	38
Greater Accra	2	3	17	3	62
Northern	3	0	9	1	38
Savannah	3	0	6	0	8
North East	1	0	3	0	9
Upper East	2	0	11	3	25
Upper West	2	0	10	2	16
Volta	3	0	4	1	38
Oti	1	0	3	0	16
Western	2	1	9	2	80
Western North	3	0	0	0	29
Total	**31**	**5**	**161**	**25**	**583**

Table 35: Regional Distribution of FM Stations as at the end of Q4 2024

Name Of Regions	Authorised FM Stations	FM Stations In Operation
Ashanti	117	86
Bono	61	48
Bono East	35	28
Ahafo	21	12
Central	75	48
Eastern	65	46
Greater Accra	87	70
Northern	51	27
Savannah	17	11
North East	13	3
Upper East	41	27
Upper West	30	20
Volta	46	32
Oti	20	11
Western	94	62
Western North	32	18
Total	**805**	**549**

Table 36: Authorised TV Stations as at the end of Q4 2024

Type of Television Service	Authorised TV Stations		No. of TV Stations in Operation (Q4 2024)	No. of TV Stations not in Operation (Q4 2024)
	End of Q3 2024	End of Q4 2024		
Digital Terrestrial Free-To-Air Television Programme Channel (Nationwide Coverage)	43	43	39	4
Digital Terrestrial Free-To-Air Television Programme Channel (Regional Coverage)	7	7	7	0
Digital Terrestrial Pay Television (Service only)	0	0	0	0
Digital Terrestrial Pay Television (Service and Frequency)	4	4	4	0
Digital Terrestrial Television (Network only)	1	1	1	0
Digital Terrestrial Radio Service on TV Multiplex	8	8	2	6
Satellite Television Broadcasting (Pay TV Direct-To-Home Bouquet)	3	3	3	0
Satellite Television Broadcasting (Free-To-Air Direct-To-Home Bouquet)	8	8	8	0
Satellite Television Broadcasting (Free-To-Air Direct-To-Home Single Channel)	97	104	67	37
Digital Terrestrial Television Additional Services (e.g. Teletext, etc.)	0	0	0	0
Digital Terrestrial Mobile Television Service	0	0	0	0
Digital Cable Television	1	1	1	0
Television over Internet Protocol (Pay TV)	1	1	0	1
Subscription Management Service for a Satellite Television Broadcasting (Pay TV Direct-To-Home Bouquet)	1	1	1	0
Total	**174**	**181**	**133**	**48**

Source: NCA, 2024

Disclaimer:
The National Communications Authority has been diligent to ensure the data in this bulletin are accurate. However, the Authority is not liable for inconsistencies, errors, and gaps in any data or information contained in this bulletin, which is dependent upon the various licensees data submissions to the Authority.

NCA CONTACTS AND PRESENCE COUNTRYWIDE

The Authority currently has eight (8) regional offices to support its operations. Their addresses are listed below

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Complaints: +233 (0) 30 701 1419
complaints@nca.org.gh
Website: www.nca.org.gh

- ### Kumasi Office

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- ### Takoradi Office

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