QUARTERLY STATISTICAL BULLETIN ON COMMUNICATIONS IN GHANA

Volume 9 Issue 3

NATIONAL COMMUNICATIONS AUTHORITY

THIRD QUARTER

JULY - SEPTEMBER, 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 periodic 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		Q2 2024 (Apr – Jun)	Q3 2024 (Jul – Sep)	Quarterly Variation (%)	Annual Variation (%)
MOBILE NETWORK SERVICES					
Subscription to Mobile Voice Services	Total Mobile (SIM) Subscriptions	37,553,607	38,469,268	2.44%	18.19%
	Machine-to-Machine (M2M) Subscriptions	1,745,268	2,157,495	23.62%	65.76%
Mobile Data Subscriptions	Total Mobile Data Subscriptions	24,708,749	25,560,884	3.45%	14.66%
Mobile Data Traffic (MB)	Total Mobile Data Traffic	579,320,191,818	661,510,708,147	14.19%	38.08%
Mobile Phone Devices	Basic Phones	5,744,236	5,349,040	-6.88%	10.01%
	Feature Phones	11,780,513	10,623,972	-9.82%	-15.22%
	Smartphones	21,465,086	20,868,129	-2.78%	1.54%
DOMESTIC MOBILE TRAFFIC					
Domestic Mobile Voice Traffic (Minutes)	On-Net Voice Traffic	25,875,046,993	25,912,381,839	0.14%	13.71%
	Off-Net Voice Traffic	1,955,923,470	2,075,229,296	6.10%	3.48%
	Mobile to Mobile Off-Net Traffic	1,943,131,873	2,063,563,763	6.20%	3.53%
	Mobile to Fixed Off-Net Traffic	12,791,596	11,665,533	-8.80%	-4.07%
Domestic Mobile SMS Traffic	SMS On-Net	462,267,709	461,247,653	-0.22%	-19.52%
	SMS Off-Net	331,768,815	444,205,829	33.89%	47.56%
INTERNATIONAL MOBILE TRAFFIC					
International Mobile Voice Traffic (Minutes)	International Incoming Mobile Voice Traffic	34,651,709	36,210,403	4.50%	-30.12%
	International Outgoing Mobile Voice Traffic	57,837,414	41,443,043	-28.35%	-38.25%
International SMS Traffic	International Incoming SMS	77,877,061	82,011,322	5.31%	-2.38%
	International Outgoing SMS	38,432,002	57,701,183	50.14%	130.51%
ROAMING TRAFFIC					
Out-bound Roaming Traffic	Out-bound Roaming Voice Traffic (Minutes)	3,300,703	2,065,029	-37.44%	14.08%
In-Bound Roaming Traffic	In-bound Roaming Incoming Voice Traffic (Minutes)	309,084	11,443	-96.30%	-95.28%
	In-bound Roaming Outgoing Voice Traffic (Minutes)	10,281,375	8,639,984	-15.96%	-31.27%
	In-Bound Roaming Incoming SMS	82,939,210	96,496,039	16.35%	7.24%
	In-bound Roaming Outgoing SMS	5,133,186	4,724,966	-7.95%	-50.84%

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

<table>
<tr><th colspan="2">Indicator/Period</th><th>Q2 2024 (Apr – Jun)</th><th>Q3 2024 (Jul – Sep)</th><th>Quarterly Variation (%)</th><th>Annual Variation (%)</th></tr>
<tr><th colspan="6">FIXED NETWORK SERVICES</th></tr>
<tr><td>Fixed Voice Subscriptions</td><td>Total Fixed Line Subscriptions</td><td>306,280</td><td>316,154</td><td>3.22%</td><td>-1.04%</td></tr>
<tr><td>Domestic Fixed Voice Traffic (MB)</td><td>Fixed to Mobile</td><td>6,990,723</td><td>7,241,115</td><td>3.58%</td><td>-9.30%</td></tr>
<tr><td rowspan="3">Fixed Data and Broadband Subscriptions and Traffic (MB)</td><td>Total Fixed Data Subscriptions</td><td>118,524</td><td>122,950</td><td>3.75%</td><td>8.20%</td></tr>
<tr><td>Fixed Broadband Subscriptions</td><td>231,981</td><td>216,143</td><td>-6.83%</td><td>-0.88%</td></tr>
<tr><td>Fixed Broadband Traffic</td><td>101,172,548,044</td><td>111,177,441,763</td><td>9.89%</td><td>10.54%</td></tr>
<tr><th colspan="6">BROADCASTING SERVICES</th></tr>
<tr><td colspan="2">Licensed TV Stations</td><td>180</td><td>174</td><td>-3.33%</td><td>-0.57%</td></tr>
<tr><td colspan="2">Operational TV Stations</td><td>139</td><td>136</td><td>-2.16%</td><td>13.33%</td></tr>
<tr><td colspan="2">Licensed FM Stations</td><td>737</td><td>665</td><td>-9.77%</td><td>-9.77%</td></tr>
<tr><td colspan="2">Operational FM Stations</td><td>537</td><td>452</td><td>-15.83%</td><td>-16.91%</td></tr>
<tr><th colspan="6">CATEGORIES OF AUTHORISED FM STATIONS</th></tr>
<tr><td colspan="2">Commercial FM Stations</td><td>538</td><td>466</td><td>-13.38%</td><td>-14.18%</td></tr>
<tr><td colspan="2">Public FM Stations</td><td>31</td><td>31</td><td>0.00%</td><td>0.00%</td></tr>
<tr><td colspan="2">Public Foreign FM Stations</td><td>5</td><td>4</td><td>-20.00%</td><td>-20.00%</td></tr>
<tr><td colspan="2">Community FM Stations</td><td>139</td><td>143</td><td>2.88%</td><td>7.52%</td></tr>
<tr><td colspan="2">Campus FM Stations</td><td>25</td><td>21</td><td>-16.00%</td><td>-16.00%</td></tr>
<tr><th colspan="6">BROADBAND WIRELESS ACCESS SERVICES (BWAs)</th></tr>
<tr><td colspan="2">Broadband Wireless Access Subscriptions</td><td>1,431</td><td>1,431</td><td>0.00%</td><td>0.77%</td></tr>
<tr><td colspan="2">Broadband Wireless Access Data Traffic (MB)</td><td>255,162,470</td><td>203,757,131</td><td>-20.15%</td><td>-21.41%</td></tr>
<tr><th colspan="6">PENETRATION RATE (%)</th></tr>
<tr><td colspan="2">Mobile Voice Subscriptions</td><td>114.7</td><td>116.84</td><td>1.93%</td><td>15.82%</td></tr>
<tr><td colspan="2">Mobile Data Subscriptions</td><td>75.42</td><td>77.63</td><td>2.93%</td><td>12.36%</td></tr>
<tr><td colspan="2">Fixed Voice Subscriptions</td><td>0.93</td><td>0.96</td><td>3.23%</td><td>-3.21%</td></tr>
<tr><td colspan="2">Fixed Data Subscriptions</td><td>0.37</td><td>0.37</td><td>2.78%</td><td>6.04%</td></tr>
<tr><td colspan="2">Broadband Wireless Access (BWA) Subscriptions</td><td>0.004</td><td>0.004</td><td>0.00%</td><td>0.34%</td></tr>
</table>

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 July – September 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 increased from 37.55 million in Q2 2024 to 38.47 million at the end of Q3 2024, representing an increase in growth by 2.44%.
Year - on-Year subscriptions also increased from 32.55 million at the end of Q3 2023 to 38.47 million at the end of Q3 2024, recording an 18.19% growth rate.
The penetration rate at the end of the quarter under review was 116.84% as compared to 114.63% recorded in Q2 2024, indicating a decline in penetration rate by 1.89% (Figure 1) (Appendix, Table 1).

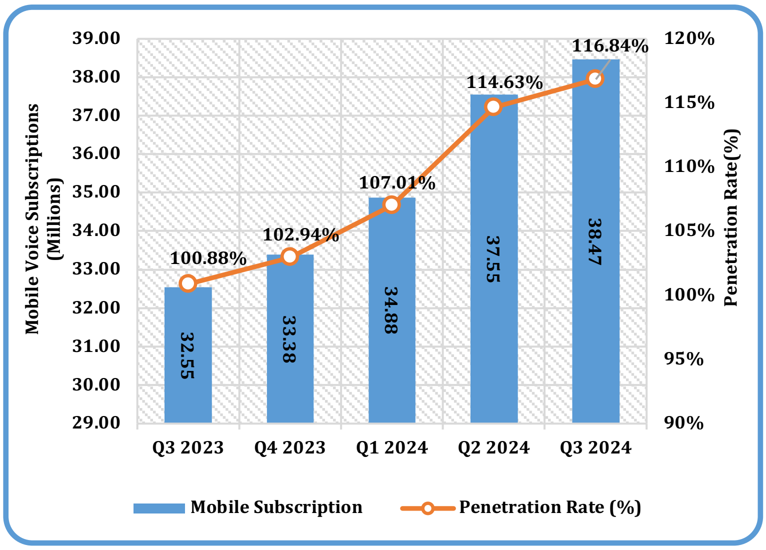

Figure 1: Mobile Voice Subscription and Penetration Rate

1.1.1 Mobile Voice Subscriptions and Market Share per Operator

At the end of Q3 2024, MTN holds 75.09% of the market share with 28.88 million subscriptions. Telecel followed with 6.68 million subscriptions (17.36%). AT ended the quarter under review with a market share of 7.55% with approximate subscriptions base of 2.90 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.

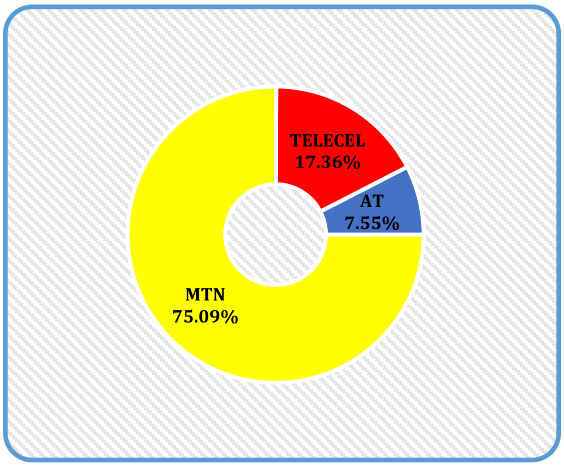

Figure 2: Market Share per Operator

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

MTN experienced a decline of 0.32% in market share from 75.41% in Q2 2024 to 75.09% in Q3 2024. Telecel had a growth of 0.40% from 16.97% in Q2 2024 to 17.37% in Q3 2024. AT's market share also decreased from 7.62% in Q2 2024 to 7.55% in Q3 2024, representing a decline of 0.07%.

1.1.3 Prepaid and Postpaid Mobile Voice Subscriptions

Prepaid voice subscription was 38.07 million representing a market share of 98.95%, whilst Postpaid subscription at the end of the quarter under review was 0.40 million with a market share of 1.05%. (Figure 3) (Appendix, Table 3).

Prepaid voice subscription increased from 37.13 million at the end of Q2 2024 to 38.07 million at the end of Q3 2024 representing an increase of 2.53%.
Postpaid voice subscription however decreased from 0.43 million in Q2 2024 to 0.40 million in Q3 2024 representing a decrease in growth by 5.82%.

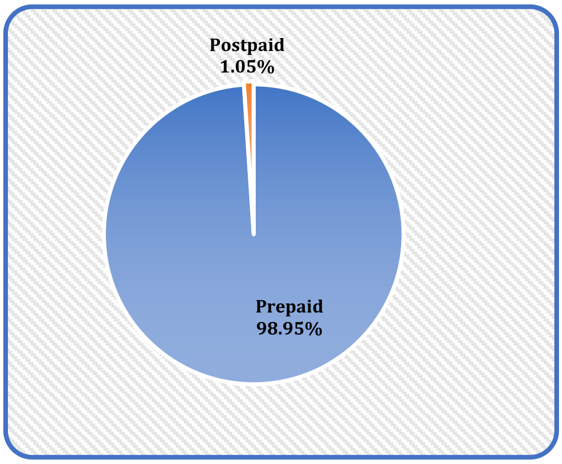

Figure 3: Prepaid and Postpaid Mobile Voice Subscriptions

1.1.4 Machine-to-Machine Subscriptions

The Machine-to-Machine mobile network (M2M) subscriptions increased to 2,157,495 in Q3 2024 from 1,745,268 recorded in the preceding quarter, indicating growth of 23.62%.

Year-on-Year subscriptions increased by 65.76% from 1,301,560 in Q3 2023 to 2,157,495 in Q3 2024 (Figure 4) (Appendix, Table 4).

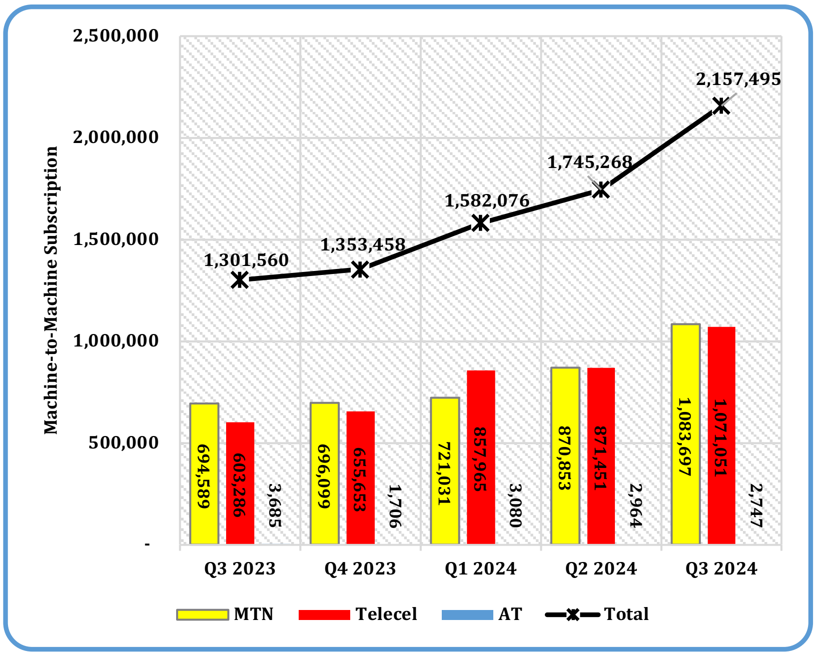

Figure 4: Machine-to-Machine (M2M) Subscriptions

1.1.5 Devices and Terminals

At the end of Q3 2024, 36,841,141 devices were connected to MTN and AT (excluding Telecel) network. This shows a decrease of 5.51% (-2,148,694) in the use of devices as compared to 38,989,835 recorded in Q2 2024.

Year-on-Year analysis shows that active devices connected to mobile networks decreased by 2.91% from 37,944,053 in Q3 2023 to 36,841,141 in Q3 2024.

As at September 2024, out of the 36,841,141 devices connected, 56.64% (20,868,129) were Smartphones, 28.84% (10,623,972) were Feature phones and 14.52% (5,349,040) were Basic phones. (Figure 5) (Appendix, Table 5).

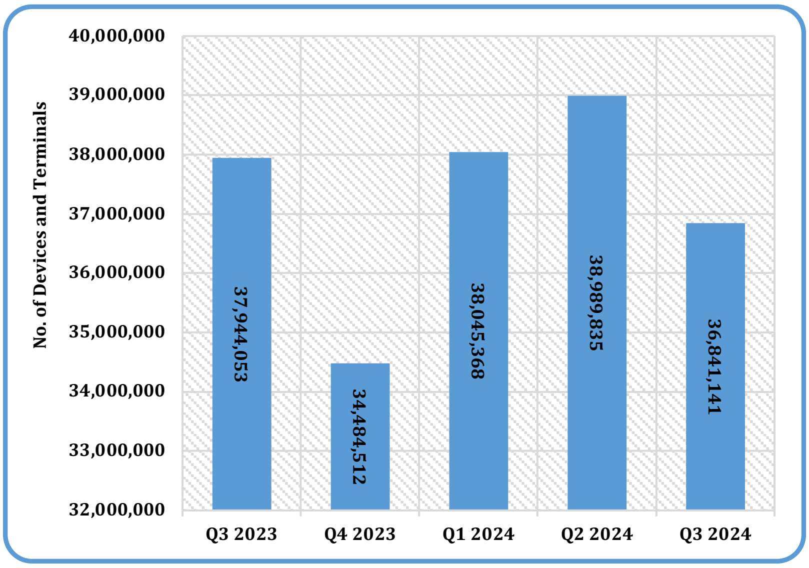

Figure 5: Devices and Terminals

1.2 Off-Net Domestic Voice Traffic

Mobile-to-Mobile Off-Net Traffic increased from 1.94 billion minutes at the end of Q2 2024 to 2.06 billion at the end of Q3 2024, marginally recording a growth of 6.20%.

Year-on-Year Mobile-to-Mobile Off-Net Traffic increased from 1.99 billion minutes at the end of Q3 2023 to 2.06 billion minutes at the end of Q3 2024, recording an increase in growth rate by 3.53%.

Quarter-on-Quarter Mobile-to-Fixed Off-Net Traffic decreased from 12.79 million minutes in Q2 2024 to 11.67 million minutes at the end of Q3 2024, indicating an 8.80% decrease in growth rate.

Year-on-Year Mobile-to-Fixed Off-Net Traffic decreased by 4.07% from 12.16 million minutes at the end of Q3 2023 to 11.67 million minutes at the end of Q3 2024. (Figure 6) (Appendix, Table 6)

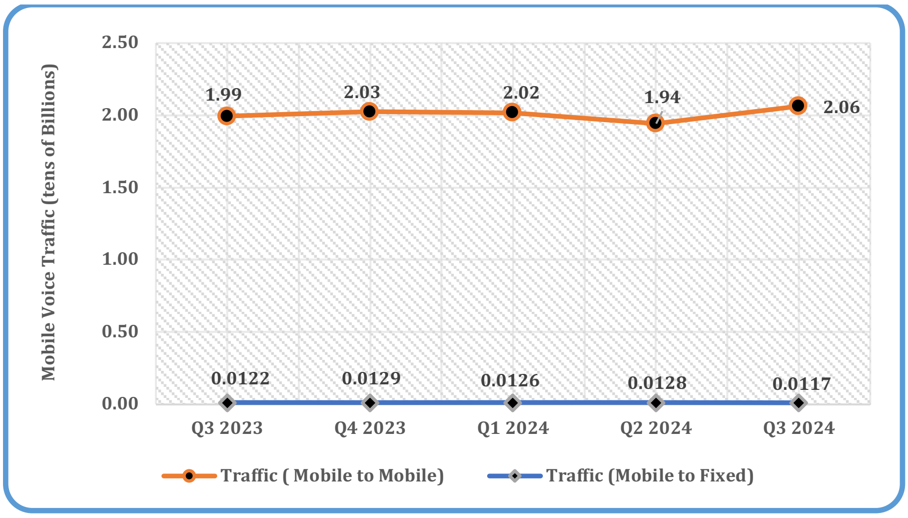

Figure 6: Off-Net Traffic Distribution between Mobile and Fixed Networks

1.2.1 Total Domestic Mobile Voice Traffic

Total Domestic Mobile Voice Traffic increased by 0.56% from 27.83 billion minutes in Q2 2024 to 27.99 billion minutes in Q3 2024.

Year-on-Year Total Domestic Mobile Voice Traffic also increased from 24.79 billion minutes at the end of Q3 2023 to 27.99 billion minutes at the end of Q3 2024, representing a growth rate of 12.88%.

In the quarter under review, Off-Net Domestic Mobile Voice Traffic increased from 1.96 billion minutes at the end of Q2 2024 to 2.08 billion minutes at the end of Q3 2024, recording a growth rate of 6.10%.

Year-on-Year Off-Net Domestic Mobile Voice Traffic increased from 2.01 billion minutes in Q3 2023 to 2.08 billion minutes at the end of Q3 2024 representing a 3.48% growth rate.

On-Net Domestic Mobile Voice Traffic increased from 25.88 billion minutes in the previous quarter to 25.91 billion minutes at the end of Q3 2024, representing a growth rate of 0.14%.

Year-on-Year On-Net Domestic Mobile Voice Traffic also grew from 22.79 billion minutes in Q3 2023 to 25.91 billion minutes at the end of Q3 2024 representing a 13.71% increase in growth rate. (Figure 7) (Appendix, Table 7)

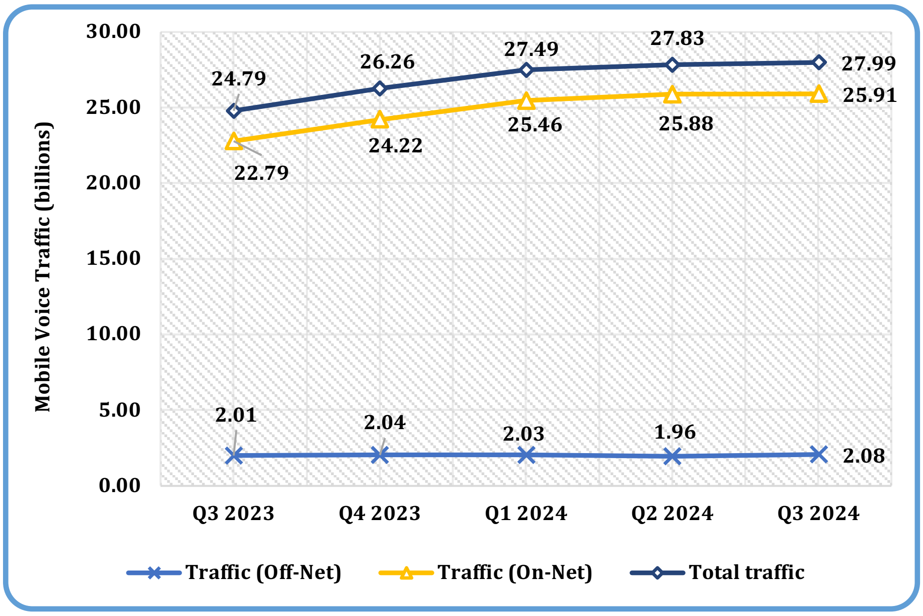

Figure 7: Total Domestic Mobile Voice Traffic in Billions of Minutes

1.2.2 Minutes of Use (MoU)

Quarter-on-Quarter average minutes of use per subscription decreased from 761.22 minutes in Q2 2024 to 733.97 minutes representing a 3.58% decline in Q3 2024.

Year-on-Year minutes of use per subscription also decreased from 750.34 minutes in Q3 2023 to 733.97 minutes in Q3 2024, indicating a decline of 2.18%. (Figure 8) (Appendix, Table 8).

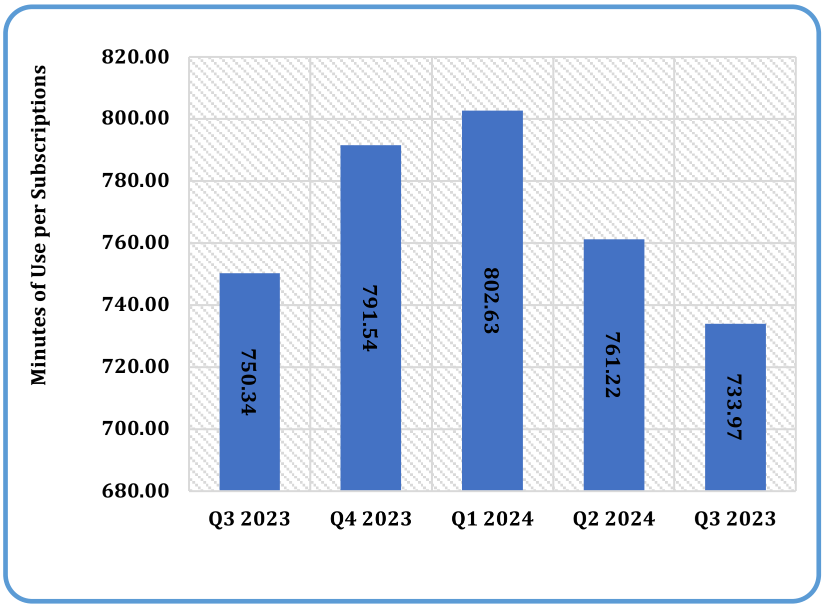

Figure 8: Mobile Voice Traffic Minutes of Use (MoU) per subscription

1.3 International Traffic

Inbound International Traffic increased by 4.50% from 34.65 million minutes in Q2 2024 to 36.21 million minutes in Q3 2024.

Year-on-Year Inbound International Traffic however declined by 30.12% from 51.82 million minutes in Q3 2023 to 36.21 million minutes in Q3 2024.

Quarter-on-Quarter Outbound International Traffic showed a decrease in growth by 28.35% from 57.84 million minutes in Q2 2024 to 41.44 million minutes in the quarter under review.

Year-on-Year Outbound International Traffic showed a 38.25% drop in growth from 67.11 million in Q3 2023 to 41.44 million in Q3 2024. (Figure 9) (Appendix, Table 9)

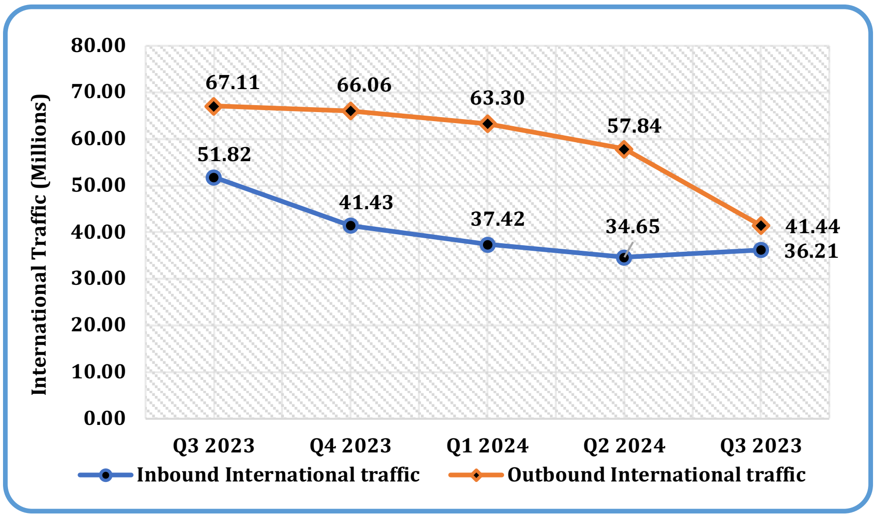

Figure 9: International Traffic in Millions of Minutes

1.3.1 Short Message Services (SMS)

The total number of Short Message Services (SMS) sent at the end of Q3 2024 was 905.45 million as compared to 794.04 million in Q2 2024, recording a surge in growth by 14.03%.

Year-on-Year total SMS Counts also improved from 874.14 million in Q3 2023 to 905.45 million at the end of Q3 2024 representing a rise in growth rate by 3.58%. (Figure 10) (Appendix, Table 10)

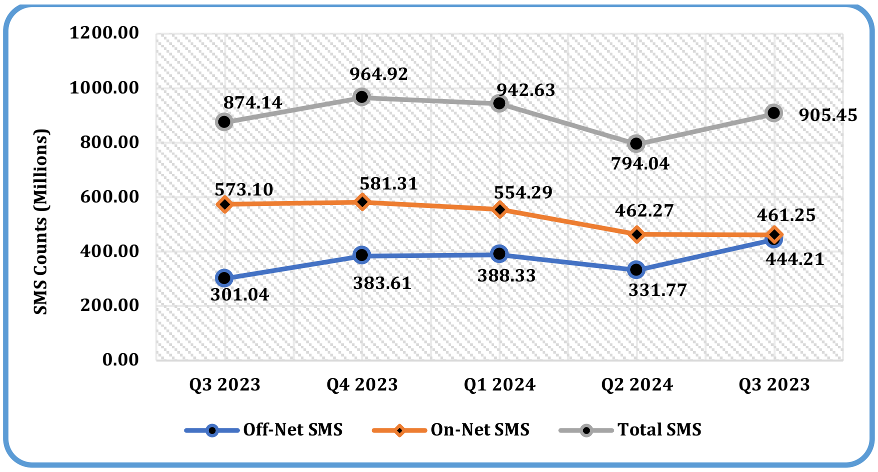

Figure 10: Total Number of SMS in Million

1.3.2 SMS Counts per Operator

The volume of SMS traffic originating from MTN was 417.74 million at the end of Q3 2024; representing a market share of 46.14% of the total SMS count.

The volume of SMS traffic from Telecel was 478.36 million, representing a market share of 52.83% of the total SMS count.

AT had an SMS count of 9.36 million, representing 1.03% of the market share of the total SMS count. (Figure 11) (Appendix, Table 11).

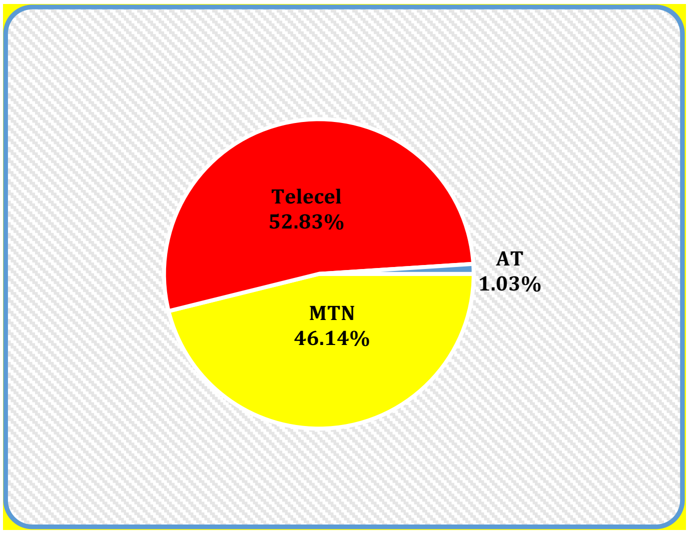

Figure 11: SMS Counts Market Share per Operator

1.3.3 SMS per Subscription

Quarter-on-Quarter SMS sent per subscription at the end of Q3 2024 was 24 SMS, indicating an 9.33% increase in SMS per subscription as compared to the end of Q2 2024 (22). (Figure 12) (Appendix, Table 12).

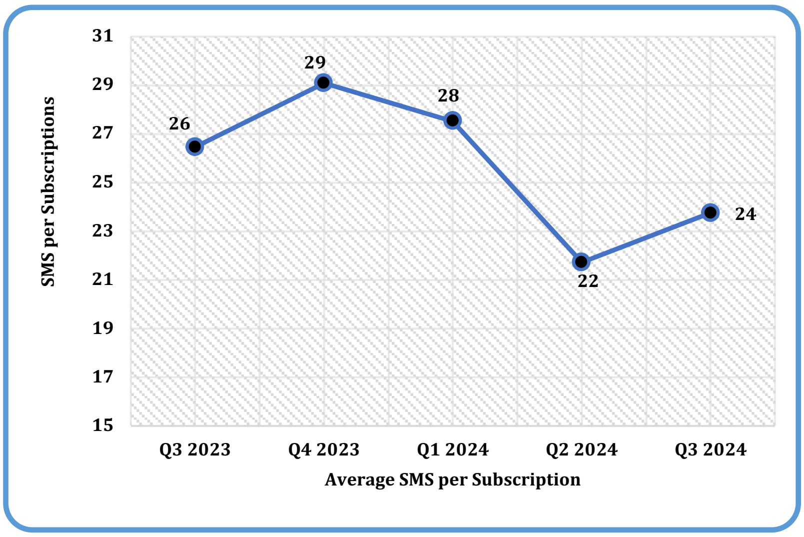

Figure 12: SMS per Subscription

1.4 Mobile Data Subscriptions and Penetration Rate (%)

At the end of Q3 2024, Mobile Data Subscriptions increased by 3.45% from 24.71 million at the end of Q2 2024 to 25.56 million.

Year-on-Year subscriptions also increased by 14.66% from 22.29 million at the end of Q3 2023 to 25.56 million at the end of Q3 2024. The penetration rate as at the end of Q3 2024 was 77.63%. (Figure 13) (Appendix, Table 13).

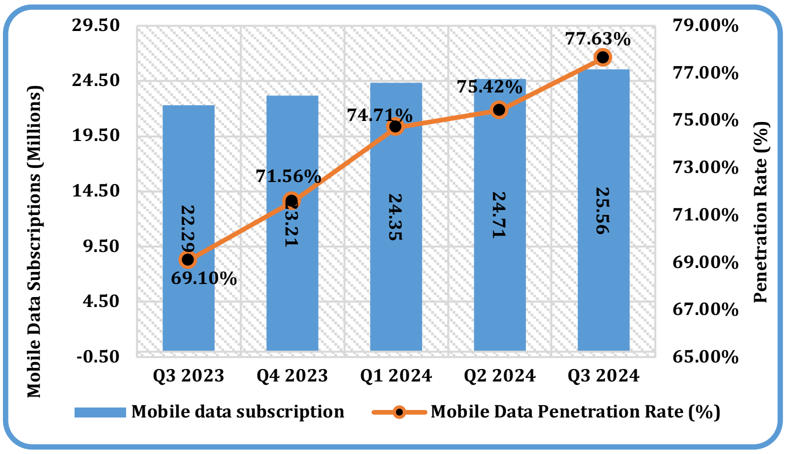

Figure 13: Mobile Data Subscriptions in Millions and Penetration Rate (%)

1.4.1 Mobile Data Prepaid and Postpaid Subscriptions

Mobile Data Prepaid subscriptions increased from 24.49 million at the end of Q2 2024 to 25.34 million subscriptions at the end of Q3 2024, representing a market share of 99.15% of the total Mobile Data subscriptions.

Mobile Data Postpaid subscriptions also increased from 216,005 at the end of Q2 2024 to 217,669 at the end of Q3 2024 representing a market share of 0.85% of the total Mobile Data subscriptions. (Figure: 14) (Appendix, Table 14).

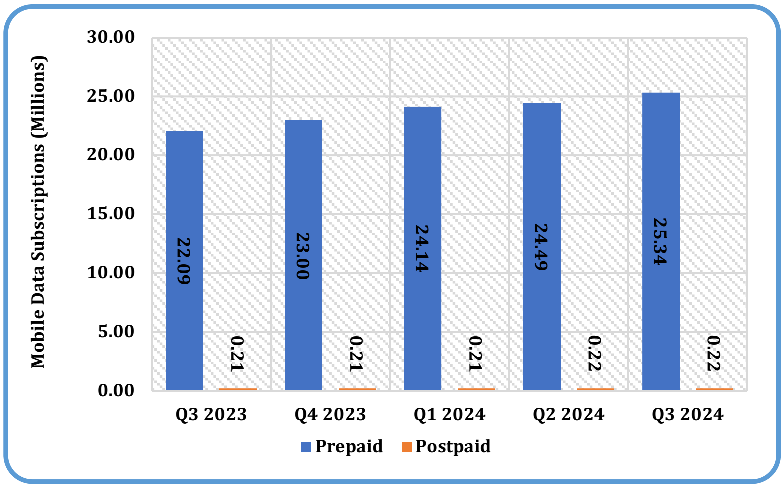

Figure 14: Mobile Data Pre-paid and Post-paid Subscriptions

1.4.2 Mobile Data Subscription per Operator

MTN recorded 20.31 million subscriptions, which represents 79.46% of the market, while Telecel recorded 3.65 million subscriptions with a 14.28% share of the market during the quarter under review. AT also had 1.60 million in mobile data subscriptions with a 6.26% share of the market at the end of Q3 2024. (Figure15).

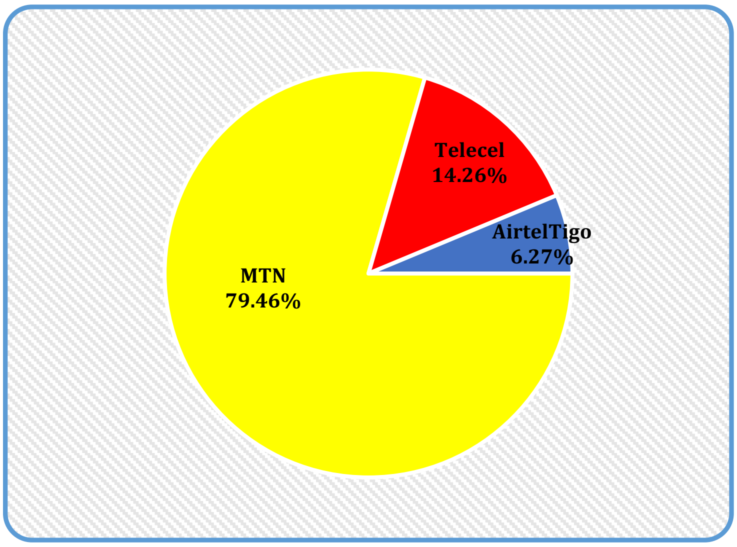

Figure 15: Mobile Data Market Share per Operator

1.5 Mobile Data Traffic

At the end of Q3 2024, mobile data traffic generated by the Operators was 661.51 billion (MB), recording an increase in growth by 14.19% as compared to 579.32 billion (MB) at the end of Q2 2024.

Year-on-Year mobile data traffic increased from 479.08 billion (MB) at the end of Q3 2023 to 661.51 billion (MB) at the end of Q3 2024, representing an increase of 38.08%. (Figure 16) (Appendix, Table 16).

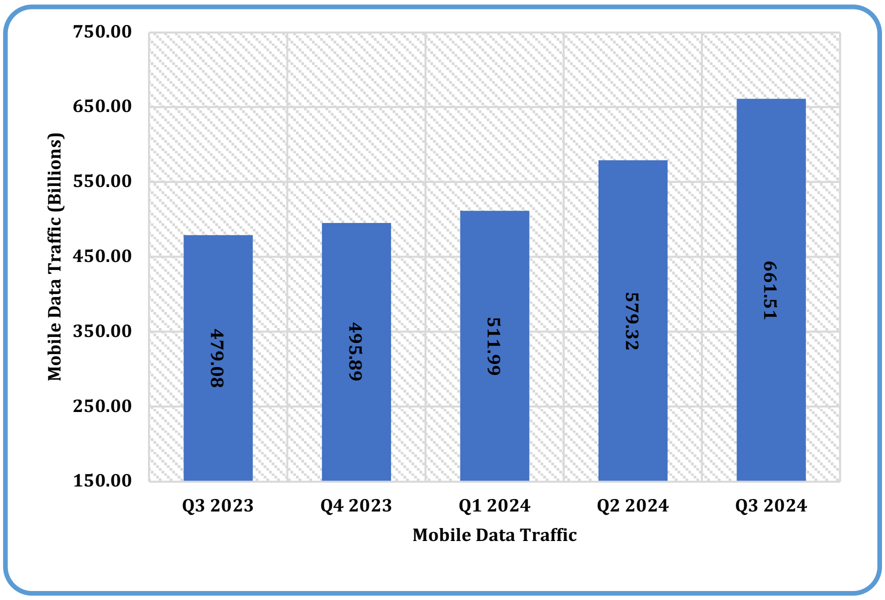

Figure 16: Mobile Data Traffic in Billions of Megabytes (MB)

1.5.1 Mobile Data Usage per Subscription[4]

Mobile Data Usage per subscription increased from 23,451 MB at the end of Q2 2024 to 26,168 MB at the end of Q3 2024 recording a growth of 11.59%.

Year-on-Year mobile data usage per subscription increased from 21,898 MB at the end of Q3 2023 to 26,168 MB at the end of Q3 2024, recording a growth of 19.50% (Figure 17) (Appendix, Table 17).

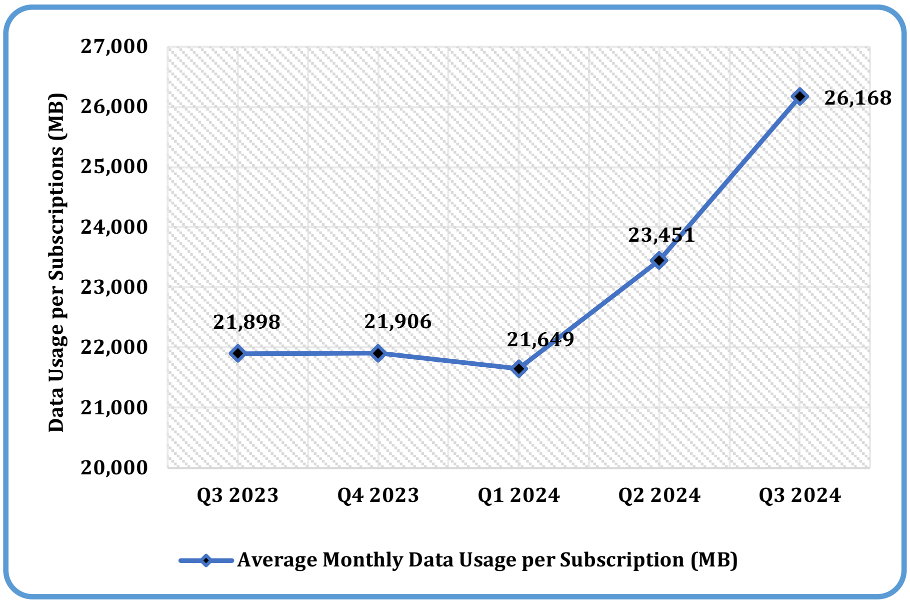

Figure 17: Mobile Data Usage per Subscription (MB)

1.5.2 Mobile Data Traffic per Operator

MTN generated the highest volume of mobile data traffic, 536.79 billion (MB) with a market share of 81.15%. Telecel followed with a traffic of 102.56 billion (MB) and a market share of 15.50%. AT also had 22.16 billion (MB) of data, recording a market share of 3.35%. (Figure 18) (Appendix, Table 18)

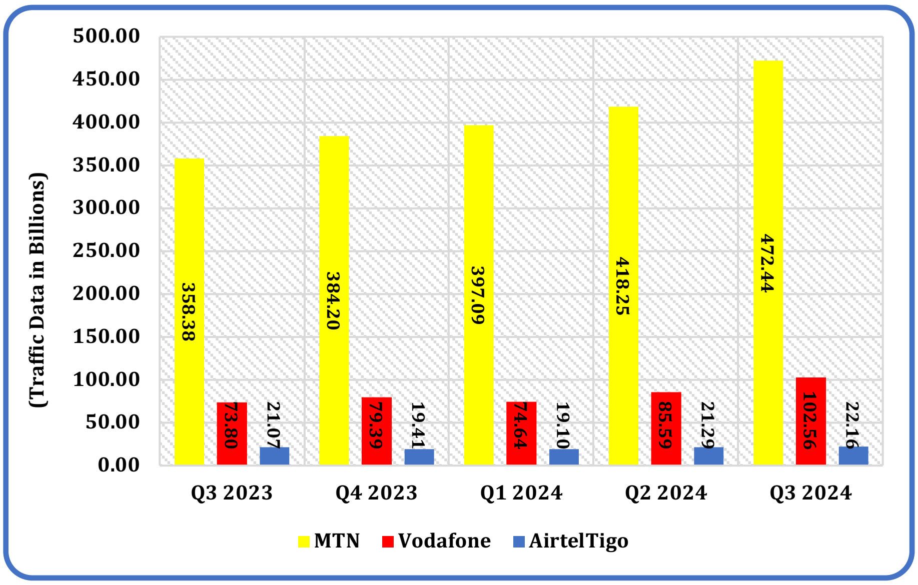

Figure 18: Mobile Internet Traffic (MB) per Operator

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.

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 Q3 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).

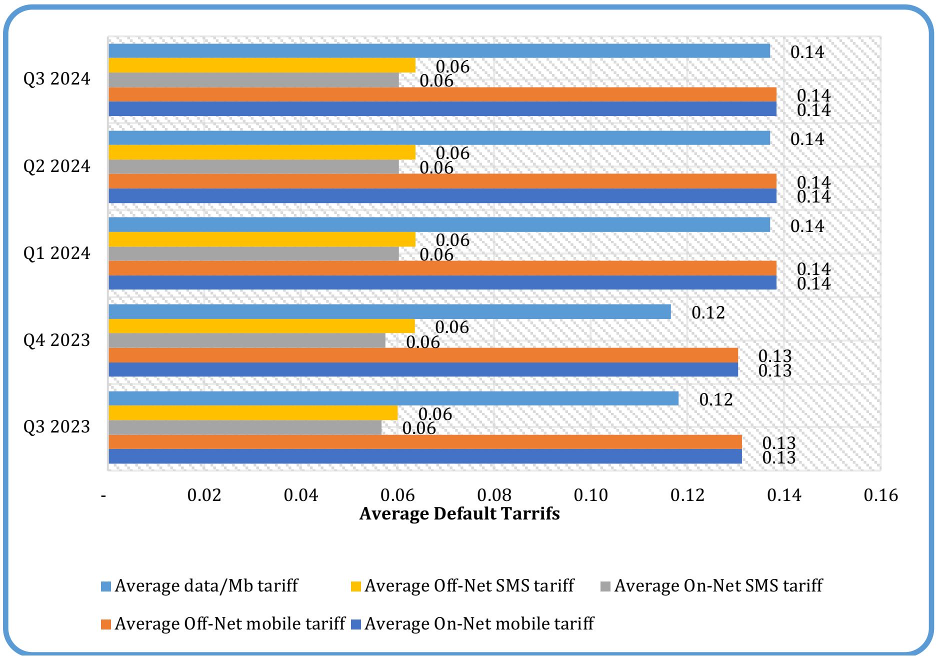

Figure 19: Average Mobile Tariffs per Service

2.0 BROADBAND WIRELESS ACCESS (BWA)

As at Q3 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 increased by 1.61% from 1,431 subscriptions at the end of Q2 2024 to 1,454 at the end of Q3 2024.

Year-on-Year subscriptions also increased by 2.39% from 1,420 in Q3 2023 to 1,454 at the end Q3 2024. Penetration rate for Broadband Wireless Access was 0.004% at the end of Q3 2024. (Figure 20) (Appendix, Table 20).

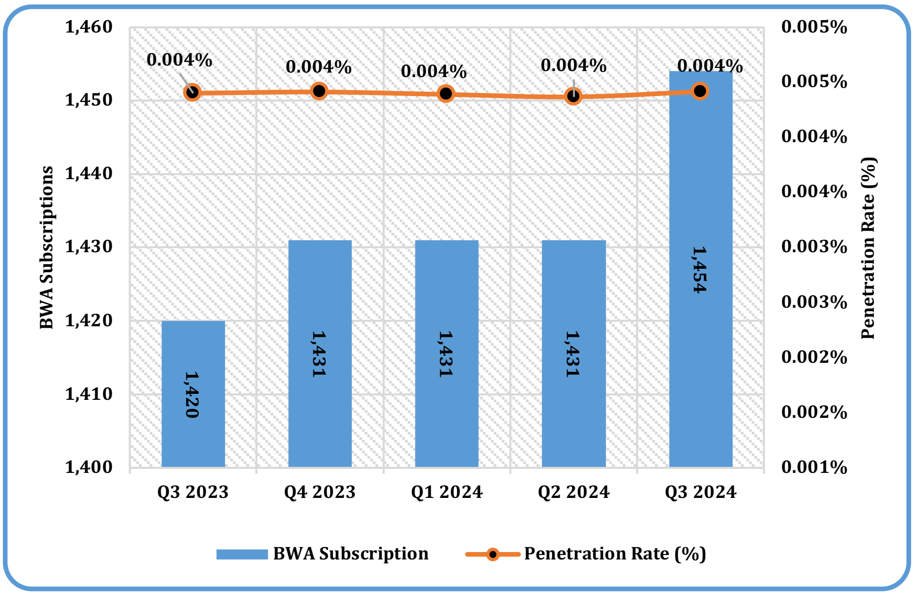

Figure 20: BWA Subscription and Penetration Rate

2.1.1 Subscriptions per Broadband Wireless Access (BWA) per Operator

As at the end of Q3 2024, BWA subscriptions for Telesol stood at 1,454 representing a market share of 100%. (Figure 21) (Appendix, Table 20).

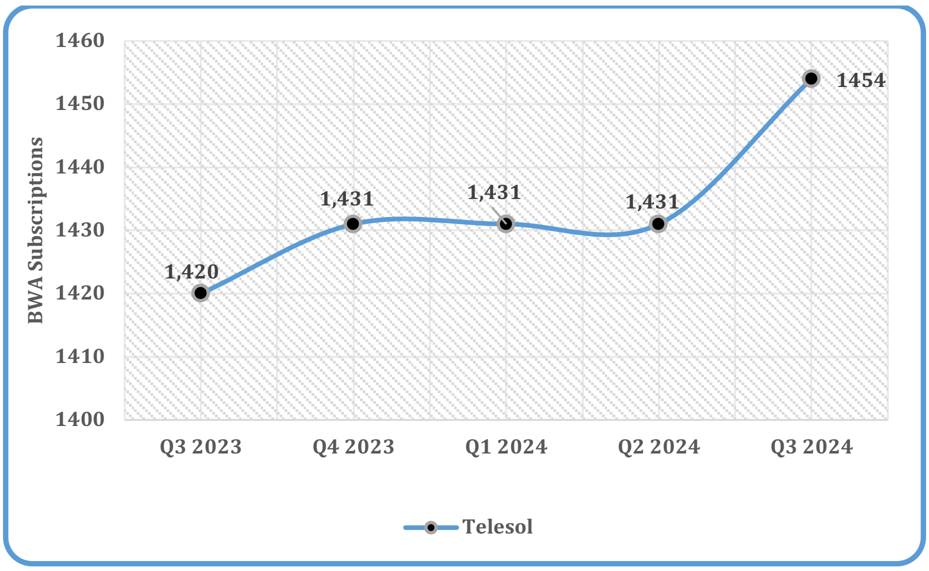

Figure 21: Subscriptions per Broadband Wireless Access (BWA) Operator

2.2 Broadband Wireless Access (BWA) Volume of Internet Traffic

The total volume of data traffic generated by the BWAs reduced from 235.17 million (MB) at the end of Q2 2024 to 203.76 million (MB) at the end of Q3 2024 recording a decline of 13.36%.

Year-on-Year data traffic generated by the BWA(s) also declined from 265.49 million (MB) at the end of Q3 2023 to 203.76 million (MB) at the end of Q3 2024, representing a decline in growth by 23.25%. (Figure 22) (Appendix A, Table 21).

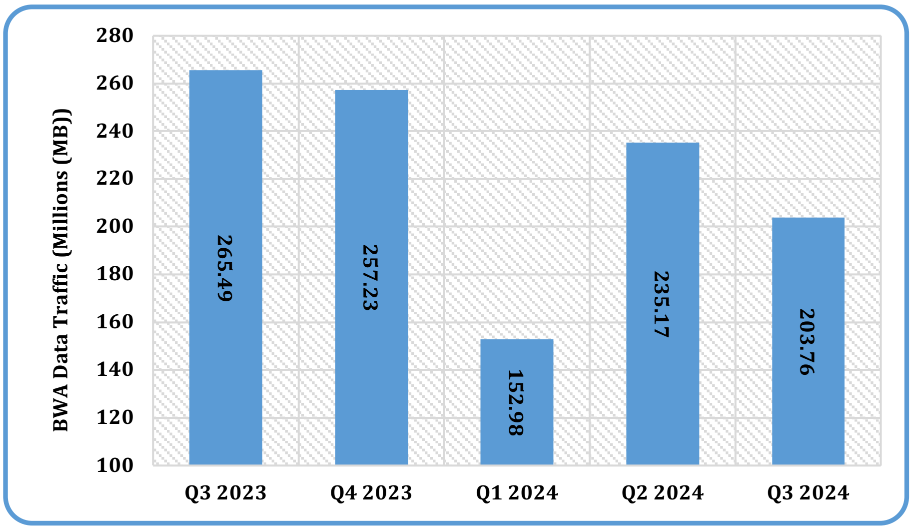

Figure 22: BWA Data Traffic in Millions of Megabytes (MB)

2.2.1 Volume of BWA Traffic per Operator

Telesol's total volume of data traffic for the quarter under review was 203.76 million MB with a market share of 100.00%. (Figure 23) (Appendix, Table 24).

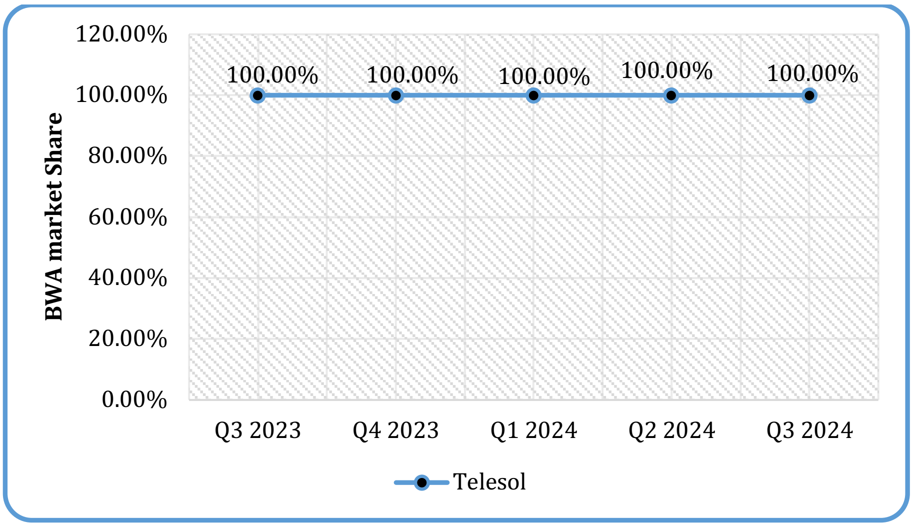

Figure 23: BWA Traffic Market Share per Operator (MB)

2.2.2 Data Usage per BWA Subscription[5]

Data usage per BWA subscription decreased from 164,338(MB) in Q2 2024 to 140,136(MB) in Q3 2024, representing a negative growth of 14.73%

Year-on-Year data usage per subscription also declined by 25.40% from 187,846(MB) in Q3 2023 to 140,136 (MB) at the end of Q3 2024 (Figure 24) (Appendix, Table 24).

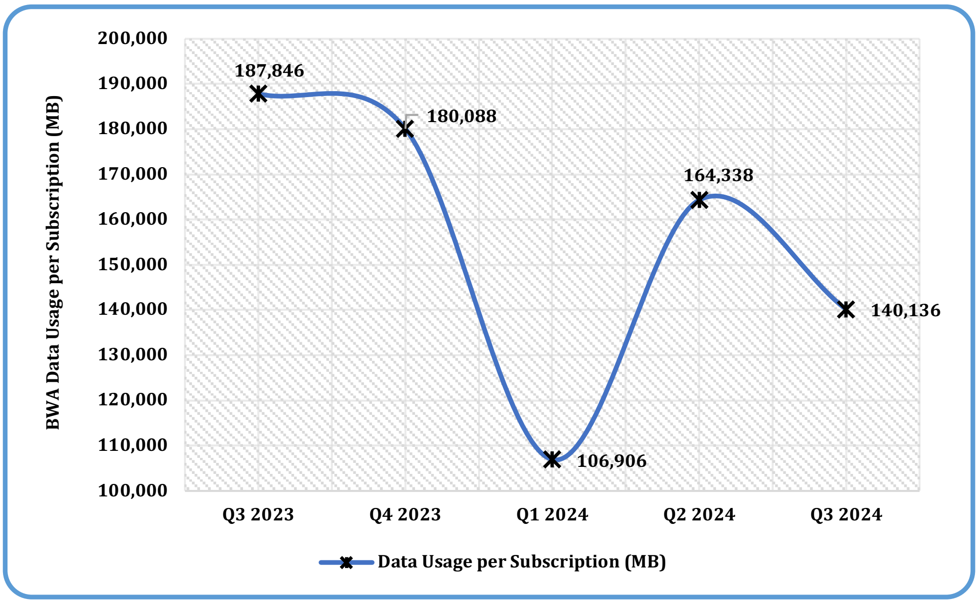

Figure 24: Data Usage per BWA Subscription

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 increased by 3.22% from 306,280 in Q2 2024 to 316,154 at the end of Q3 2024 with a penetration rate of 0.96%.

Year-on-Year subscription shrunk from 320,093 in Q3 2023 to 316,154 at the end of Q3 2024, representing a decline of 1.23% (Figure 25) (Appendix, Table 25).

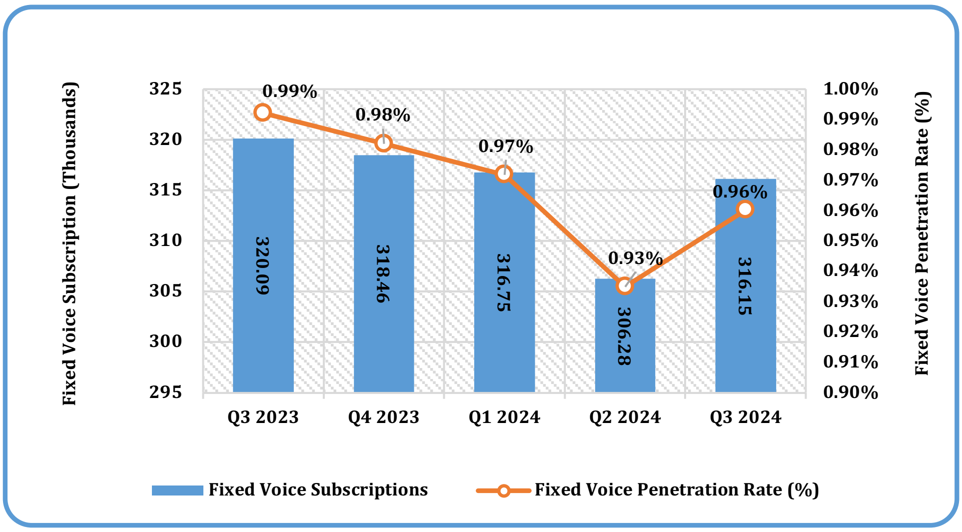

Figure 25: Fixed Network Voice Subscription and Penetration Rate

3.2 Fixed Voice Traffic

Total Fixed Voice Traffic recorded an upsurge of 3.58% from 6.99 million minutes in Q2 2024 to 7.24 million minutes in Q3 2024.

Year-on-Year Total Fixed Voice Traffic however reduced by 9.30%, from 7.98 million minutes in Q3 2023 to 7.24 million minutes in Q3 2024. (Figure 26) (Appendix, Table 26).

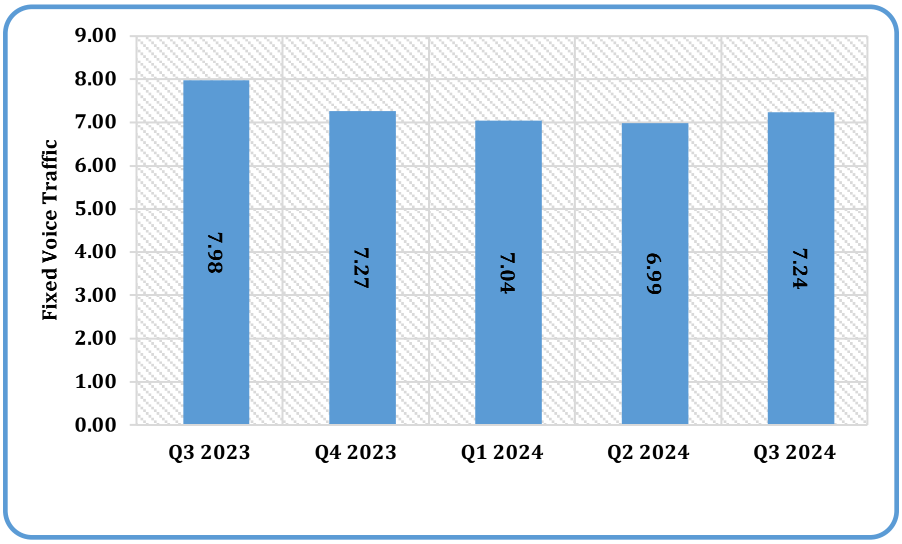

Figure 26: Total Fixed Voice Traffic

3.3 Fixed Voice Minute of Use[6]

Fixed Voice Traffic per subscription marginally improved marginally by 0.35% from 22.82 minutes in Q2 2024 to 22.90 minutes at the end of Q3 2024.

Year-on-Year minutes of use per subscription reduced by 7.33% from 24.71 minutes in Q3 2023 to 22.90 minutes at the end of Q3 2024 (Figure 27) (Appendix A, Table 27).

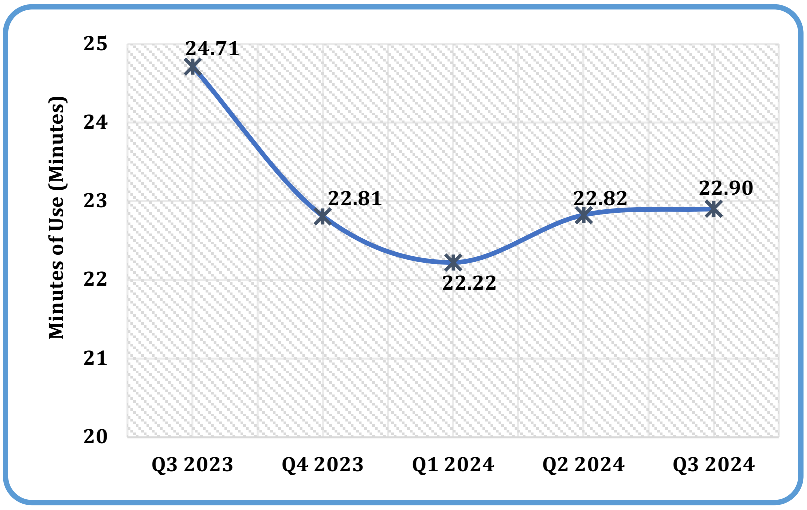

Figure 27: Fixed Network Minute of Use

3.4 Fixed Data Subscriptions and Penetration Rate

Fixed Data subscriptions went up from 120,433 in Q2 2024 to 122,950 in the quarter under review, representing a growth rate of 2.09%.

Year-on-Year Fixed Data subscriptions also improved by 8.20% from 113,637 in the preceding year to 122,950 at the end of Q3 2024.

Fixed Data penetration rate at the end of Q3 2024 was 0.37%. (Figure 28) (Appendix, Table 28).

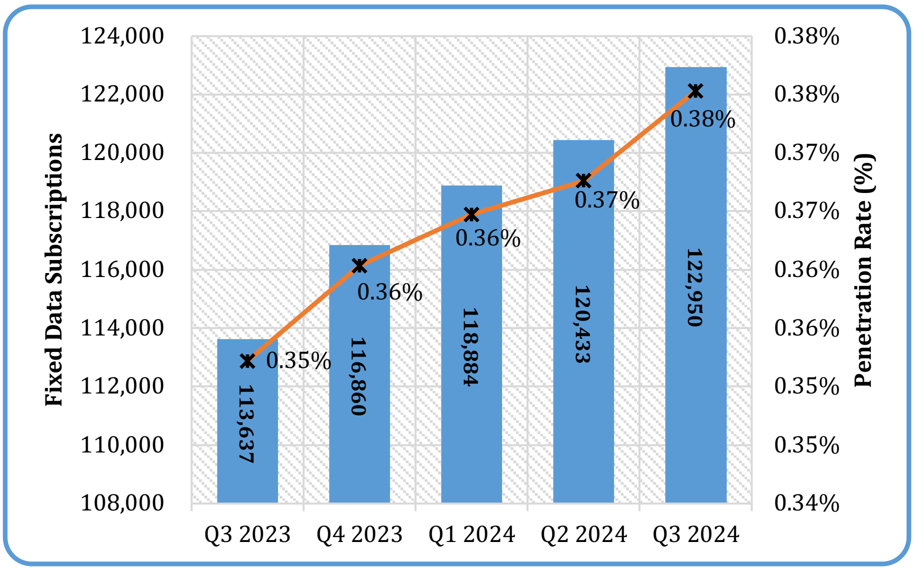

Figure 28: Fixed Data Subscriptions and Penetration

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 Q3 2024 was 81,468 representing 66.26% of the market share as against 81,473 in Q2 2024.

MTN's Fixed Data subscriptions at the end of Q3 2024 was 41,096 representing 33.43% of the market share as compared to 38,555 in Q2 2024.

AT recorded 386 Fixed Data subscriptions at the end of Q3 2024 with a market share of 0.31% as compared to 405 subscriptions in the previous quarter. (Figure 29) (Appendix, Table 28).

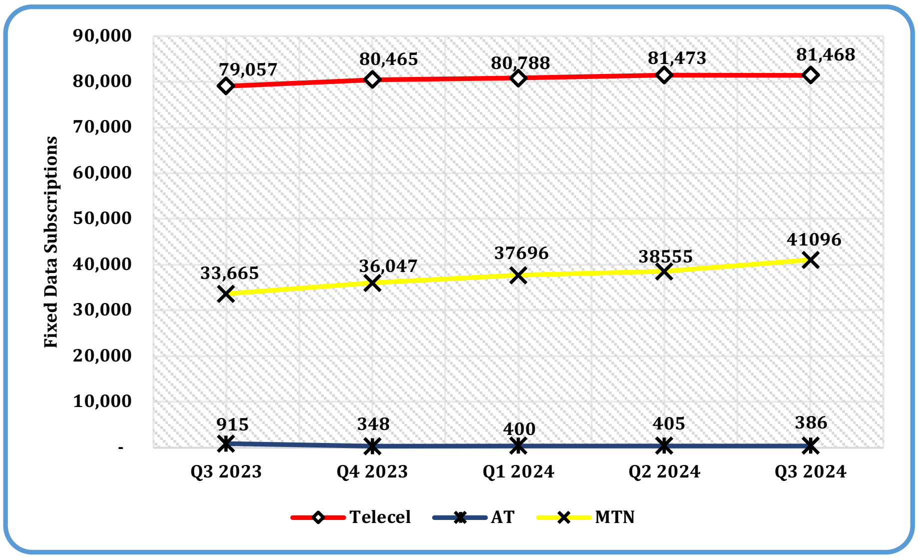

Figure 29: Fixed Data Subscription per Operator

3.6 Fixed Broadband Subscriptions

The Total Fixed Broadband subscriptions in the country reduced by 6.83% from 231,981 subscriptions at the end of Q2 2024 to 216,143 subscriptions during the period under review.

Year-on-Year Fixed Broadband subscriptions also dwindled marginally by 0.88% from 218,060 subscriptions at the end of Q3 2023 to 216,143 subscriptions at the end of Q3 2024. (Figure 30) (Appendix, Table 30).

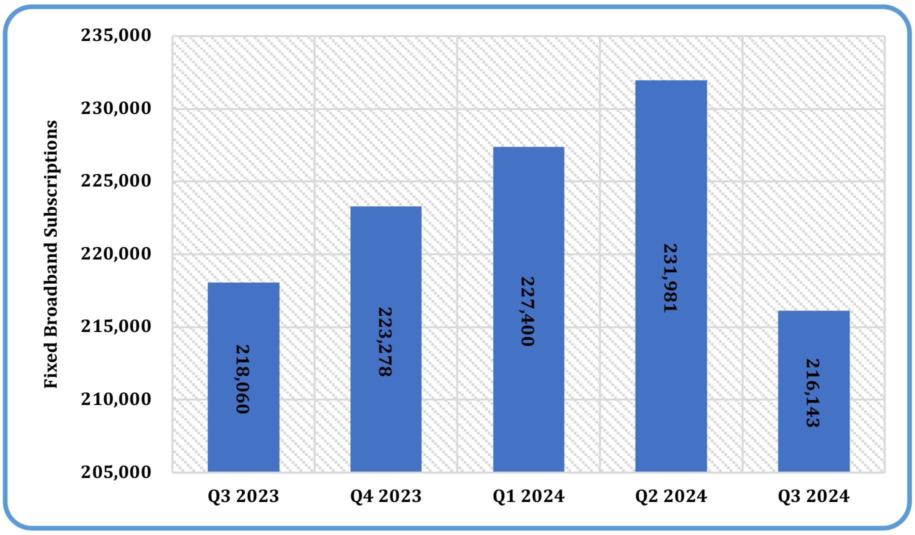

Figure 30: Fixed Broadband Subscription

3.6.1 Fixed Broadband Subscriptions per Operator

MTN recorded a market share of 63.39% with a Fixed Broadband subscription of 137,012 from Total Fixed Broadband subscriptions of 216,142 during the reference period, whilst Telecel registered a market share of 36.61% with 79,130 of Fixed Broadband subscriptions during the same period.

Quarter-on-Quarter Fixed Broadband subscriptions for MTN decreased by 10.34% from 152,817 in Q2 2024 to 137,012 in Q3 2024 whilst Telecel's Fixed Broadband subscriptions declining marginally by 0.04% from 79,164 in Q2 2024 to 79,130 in Q3 2024.

Year-on-Year Fixed Broadband Subscriptions in the country for MTN and Telecel declined by 2.91% and 2.84% respectively. (Figure 31) (Appendix, Table 31)

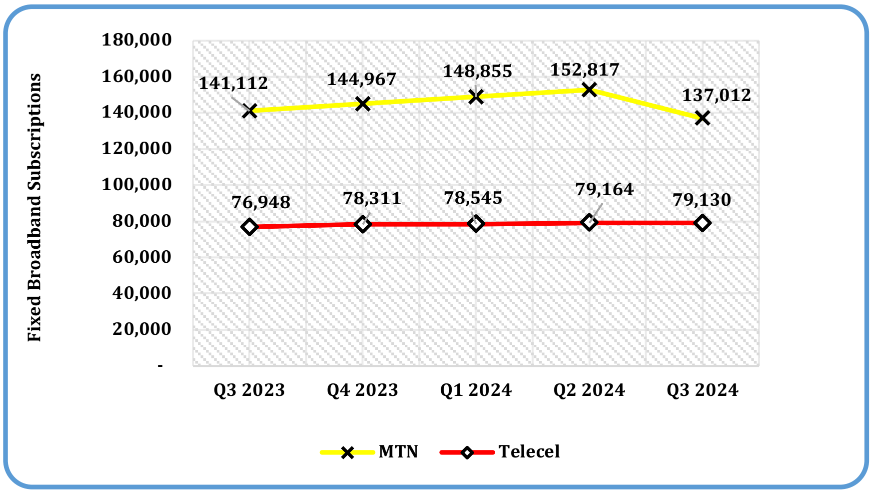

Figure 31: Fixed Broadband Subscription per Operator

3.6.2 Fixed Broadband Traffic

The Total Fixed Broadband Traffic improved by 9.89% from 101.17 billion in Q2 2024 to 111.18 billion minutes during the reference period.

Year-on-Year total Fixed Broadband Traffic also increased by 10.54% from 100.57 billion minutes at the end of Q3 2023 to 111.18 billion minutes at the end of Q3 2024. (Figure 32) (Appendix, Table 32)

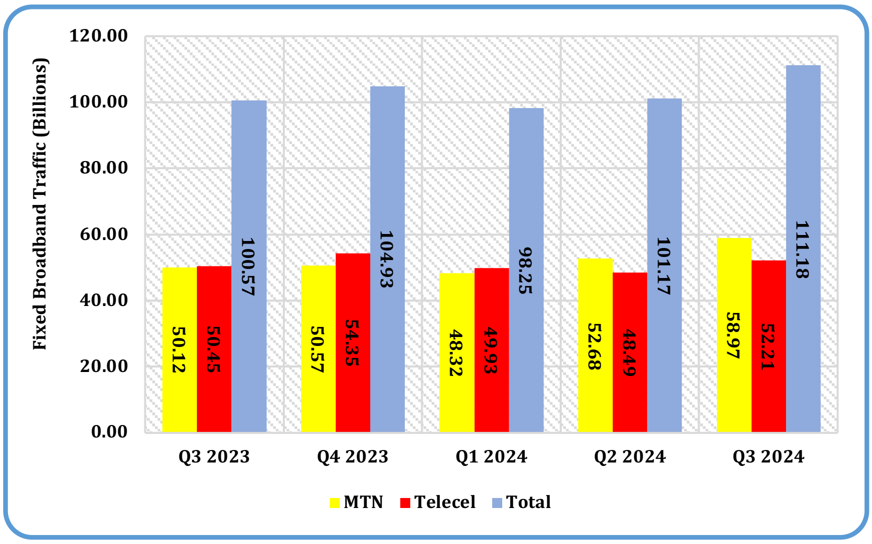

Figure 32: Fixed Broadband Traffic

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 Q3 2024 was 665 with 452 in operation.

The Ashanti Region had the highest number of Authorised FM stations (101), representing 15.19% 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 1.95% of the total Authorised FM Stations in the country. (Figure 33) (Appendix A, Table 33 & 34).

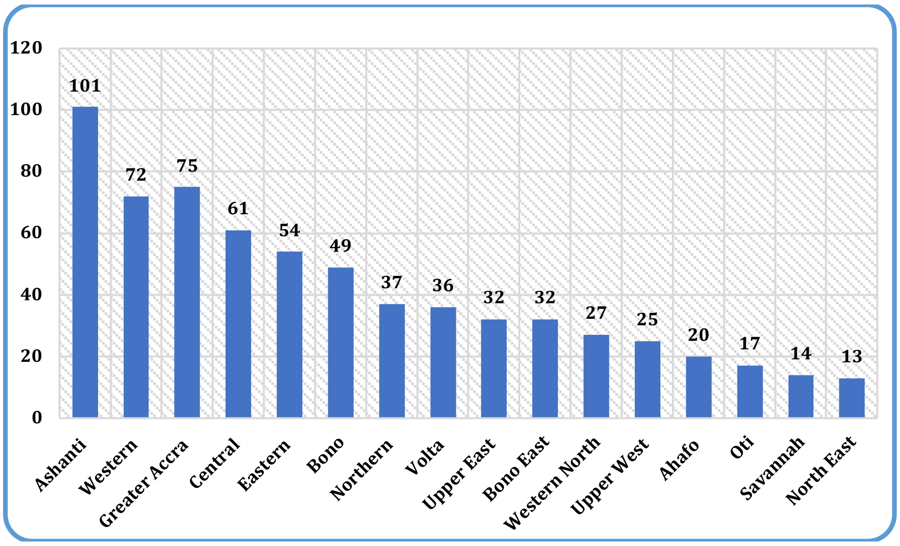

Figure 33: Regional distribution of Authorised FM Stations as at end of Q3 2024

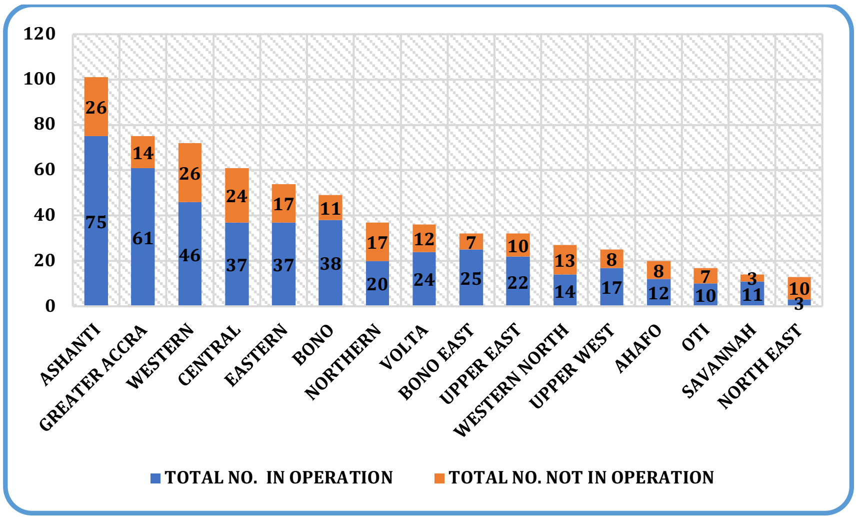

Figure 34: Regional distribution of On-air and Off-air FM Stations at end of Q3 2024

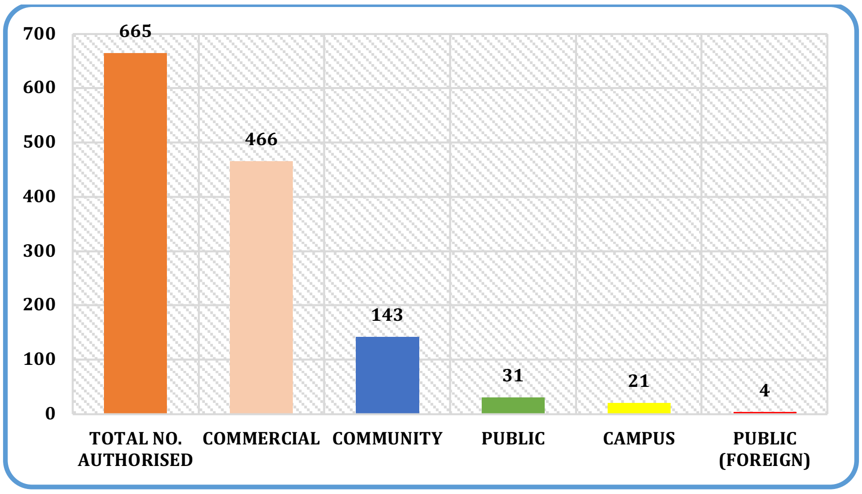

Figure 35: Category by Purpose of Authorised Radio Stations as at Q3 2024

4.2 Authorised Television Stations

The total number of Authorised TV Stations in Ghana at the end of Q3 2024 was 174 out of which 136 were operational during the quarter under review, representing 78.16% of the total number of Authorised TV Stations in the country (Figure 36) (Appendix A, Table 34)

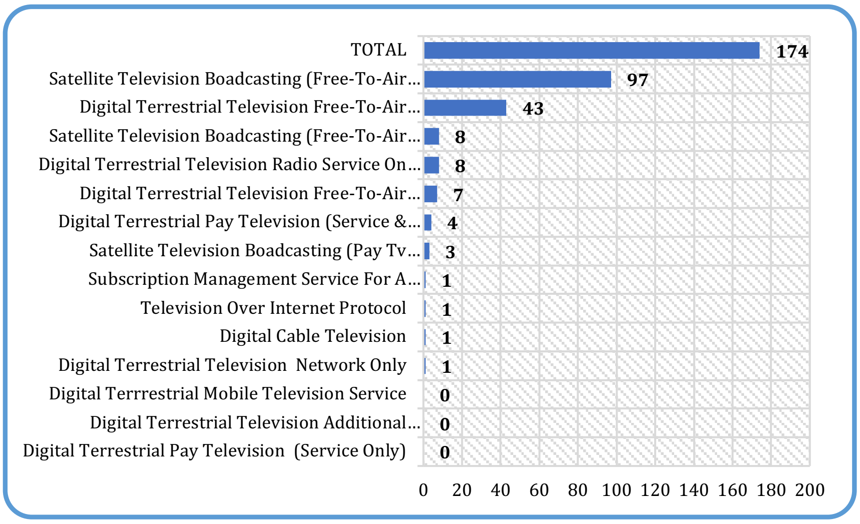

Figure 36: Authorised TV Stations as at Q3 2024

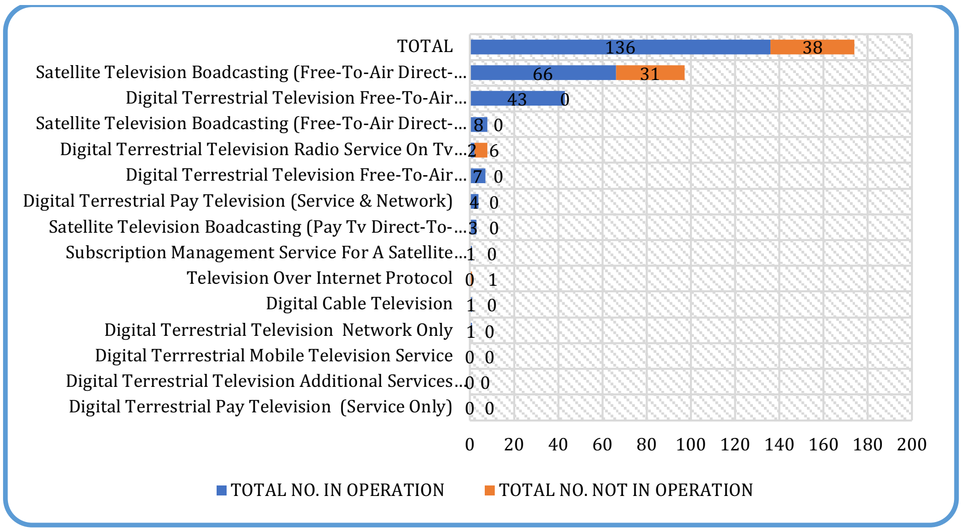

Figure 37: Distribution of Types of TV Services (On-Air and Off-Air TV Stations) as at end of Q3 2024

Appendix A (List of Tables)

Table 1: Mobile Voice Subscriptions and Penetration Rate

Subscription	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Mobile Subscription	32,547,305	33,384,460	34,878,543	37,553,607	38,469,268
Mobile Subscription Growth Rate (%)	-4.70%	2.57%	4.48%	7.67%	2.44%
Net additions	-1,606,379.00	837,155	1,494,083	2,675,064	915,661
Population	32,264,534	32,429,591	32,594,648	32,759,699	32,924,755
Penetration Rate (%)	**100.88%**	**102.94%**	**107.01%**	**114.63%**	**116.84%**

Table 2: Mobile Voice Subscriptions and Market Share per Operator

Mobile Network Operator		Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	Subscriptions	23,345,146	24,652,582	25,900,163	28,381,349	28,885,932
	Market Share (%)	71.73%	73.84%	74.26%	75.41%	75.09%
Telecel	Subscriptions	6,327,342	6,275,415	6,248,863	6,373,676	6,678,979
	Market Share (%)	19.44%	18.80%	17.92%	16.97%	17.36%
AT	Subscriptions	2,874,817	2,456,463	2,729,517	2,861,582	2,904,357
	Market Share (%)	8.83%	7.36%	7.83%	7.62%	7.55%
Total Industry Subscription		**32,547,305**	**33,384,460**	**34,878,543**	**37,553,607**	**38,469,268**

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

Subscription	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Prepaid	32,059,243	32,941,379	34,463,243	37,126,056	38,066,589
Market Share	98.50%	98.67%	98.81%	98.86%	98.95%
Post-paid	488,062	443,081	415,300	427,551	402,679
Market Share	1.50%	1.33%	1.19%	1.14%	1.05%
Total mobile subscription	**32,547,305**	**33,384,460**	**34,878,543**	**37,553,607**	**38,469,268**

Table 4: Machine - to – Machine Subscriptions

Mobile Network Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	694,589	696,099	721,031	870,853	1,083,697
Telecel	603,286	655,653	857,965	871,451	1,071,051
AT	3,685	1,706	3,080	2,964	2,747
Total	**1,301,560**	**1,353,458**	**1,582,076**	**1,745,268**	**2,157,495**

Table 5: Devices and Terminals

No	Category of Phones	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1	Smartphone Devices	18,128,271	20,550,878	18,686,118	20,938,496	21,465,086	20,868,129
	Market Share (%)	53.47%	54.16%	54.19%	55.04%	*55.05%*	*56.64%*
	Growth (%)	-12.43%	13.36%	-9.07%	12.05%	2.51%	-2.78%
2	Feature Phone Devices	11,834,178	12,530,665	11,450,697	11,860,489	11,780,513	10,623,972
	Market Share (%)	34.91%	33.02%	33.21%	31.17%	*30.21%*	*28.84%*
	Growth (%)	-17.18%	5.89%	-8.62%	3.58%	-0.67%	-9.82%
3	Basic Phone Devices	3,938,613	4,862,510	4,347,697	5,246,383	5,744,236	5,349,040
	Market Share (%)	11.62%	12.81%	12.61%	13.79%	*14.73%*	*14.52%*
	Growth (%)	-17.90%	23.46%	-10.59%	20.67%	9.49%	-6.88%
Total		**33,901,062**	**37,944,053**	**34,484,512**	**38,045,368**	**38,989,835**	**36,841,141**

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

Breakdown of Off-Net Traffic	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Traffic (Mobile to Mobile)	1,993,212,728	2,025,958,893	2,019,078,737	1,943,131,873	2,063,563,763
Share (%)	99.39%	99.37%	99.38%	99.35%	99.44%
Growth (%)	11.31%	1.64%	-0.34%	-3.76%	6.20%
Traffic (Mobile to Fixed)	12,160,587	12,894,213	12,590,993	12,791,596	11,665,533
Share (%)	0.61%	0.63%	0.62%	0.65%	0.56%
Growth (%)	4.11%	6.03%	-2.35%	1.59%	-8.80%

Total Off-Net Traffic	**2,005,373,315**	**2,038,853,106**	**2,031,669,730**	**1,955,923,470**	**2,075,229,296**

Table 7: Total Domestic Mobile Voice Traffic in Minutes

Traffic	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Traffic (Off-Net)	2,005,373,315	2,038,853,106	2,031,669,730	1,955,923,470	2,075,229,296
Share (%)	8.09%	7.76%	7.39%	7.03%	7.41%
Growth (%)	11.27%	1.67%	-0.35%	-3.74%	6.10%
Traffic (On-Net)	22,788,636,170	24,221,174,621	25,461,814,435	25,875,046,993	25912381839
Share (%)	91.91%	92.24%	92.61%	92.97%	92.59%
Growth (%)	4.73%	6.29%	5.12%	1.62%	0.14%
Total traffic	**24,794,009,485**	**26,260,027,729**	**27,493,484,165**	**27,830,970,463**	**27,987,611,135**

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

Traffic	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total mobile voice traffic	24,794,009,485	26,260,027,729	27,493,484,165	27,830,970,463	27,987,611,135
Average Mobile voice subscription	33,043,805	33,175,723	34,254,361	36,560,983	38,131,609
Minutes of Use (MoU) per Subscription	750.34	791.57	802.63	762.01	733.97
MoU growth rate (%)	**9.64%**	**5.49%**	**1.40%**	**-5.06%**	**-3.58%**

Table 9: International Traffic

Traffic	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Incoming International Traffic	51,820,393	41,433,562	37,418,879	34,651,709	36,210,403
Growth (%)	3.61%	-20.04%	-9.69%	-7.40%	4.50%
Outgoing International Traffic	67,111,911	66,062,017	63,299,390	57,837,414	41,443,043
Growth (%)	**1.48%**	**-1.56%**	**-4.18%**	**-8.63%**	**-28.35%**

Table 10: Total Number of Short Messages Services

SMS	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2023
Off-Net SMS	301,039,062	383,606,210	388,333,987	331,768,815	444,205,829

On-Net SMS	573,100,452	581,313,448	554,291,164	462,267,709	461,247,653
Total SMS	874,139,514	964,919,658	942,625,151	794,036,524	905,453,482

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

Mobile Operators	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Off-Net					
MTN	148,915,394	160,524,754	166,466,669	138,725,312	131,013,745
Telecel	141,125,845	216,280,109	215,504,865	185,485,017	304,699,538
AT	10,997,845	6,801,347	6,362,453	7,558,486	8,492,546
Total	**301,039,062**	**383,606,210**	**388,333,987**	**331,768,815**	**444,205,829**
On- net					
MTN	483,733,807	494,182,894	457,869,666	364,035,777	286,723,061
Telecel	88,086,761	86,307,280	95,805,764	97,373,411	173,658,643
AT	1,279,884	823,274	615,734	858,521	865,949
Total	**573,100,452**	**581,313,447**	**554,291,164**	**462,267,709**	**461,247,653**
Total					
MTN	632,649,201	654,707,648	624,336,335	502,761,089	417,736,806
Telecel	229,212,606	302,587,389	311,310,629	282,858,428	478,358,181
AT	12,277,707	7,624,621	6,978,187	8,417,007	9,358,495
Total	**874,139,514**	**964,919,658**	**942,625,151**	**794,036,524**	**905,453,482**

Table 12: Average SMS per Subscription

SMS Subscriptions	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total SMS	874,139,514	964,919,658	942,625,151	794,036,524	905,453,482
Average Mobile Subscription	33,043,805	33,174,731	34,254,361	35,607,123	38,131,609
SMS per Subscription	**26**	**29**	**28**	**22**	24

Table 13: Mobile Data Subscriptions and Penetration Rate

Subscription	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Mobile data subscription	22,293,487	23,207,628	24,351,778	24,708,749	25,560,884
Data Subscription Growth Rate (%)	-0.21%	4.10%	4.93%	1.47%	3.45%
Net Additions	-47,527	914,141	1,144,150	356,971	852,135
Net Additions Growth Rate (%)	-117%	1823%	25%	-69.00%	139%
Population	32,264,534	32,429,591	32,594,648	32,759,699	32,924,755
Mobile Data Penetration Rate (%)	69.10%	71.56%	74.71%	75.42%	77.63%

Table 14: Mobile Data Subscriptions (Prepaid/Postpaid)

Mobile Data Subscriptions		Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Prepaid	Subscription	22,086,945	22,996,027	24,140,313	24,492,744	25,343,215
	Market Share	99.07%	99.09%	99.13%	99.13%	99.15%
Post-paid	Subscription	206,542	211,601	211,465	216,005	217,669
	Market Share	0.93%	0.91%	0.87%	0.87%	0.85%
Total mobile data subscriptions		**22,293,487**	**23,207,628**	**24,351,778**	**24,708,749**	**25,560,884**

Table 15: Mobile Data Subscriptions per Mobile Network Operator and Market Share

Mobile Network Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	17,627,801	18,675,841	19,601,366	19,890,327	20,311,829
	79.07%	80.47%	80.49%	80.50%	79.46%
Telecel	2,949,685	3,066,359	3,120,886	3,181,152	3,645,955
	13.23%	13.21%	12.82%	12.87%	14.26%
AT	1,716,001	1,465,428	1,629,526	1,637,270	1,603,100
	7.70%	6.31%	6.69%	6.63%	6.27%
Total	**22,293,487**	**23,207,628**	**24,351,778**	**24,708,749**	**25,560,884**

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

Mobile Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total Mobile data usage (MB)	479,080,573,930	495,892,100,256	511,988,575,879	579,320,191,818	661,510,708,147

Table 17: Mobile Internet Usage per Subscription (MB)

Mobile Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total Mobile data usage (MB)	479,080,573,930	495,892,100,256	511,988,575,879	579,320,191,818	661,510,708,147
Average Data Subscription	21,878,245	22,637,744	23,649,354	24,703,275	25,279,367
Data Usage per Subscription (MB)	**21,898**	**21,908**	**21,649**	**23,451**	**26,168**

Table 18: Mobile Data Traffic (MB) per Operator

Mobile Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	384,202,677,398	397,129,997,454	418,249,540,204	472,436,496,673	536,788,144,348
	80.20%	80.08%	81.69%	81.55%	81.15%
Telecel	73,803,964,062	79,403,282,637	74,642,592,094	85,591,212,100	102,559,366,530
	15.41%	16.01%	14.58%	14.77%	15.50%
AT	21,073,932,470	19,406,425,423	19,096,443,582	21,292,483,044	22,163,197,269
	4.40%	3.91%	3.73%	3.68%	3.35%
Total Industry Traffic (MB)	**479,080,573,930**	**495,939,705,513**	**511,988,575,879**	**579,320,191,817**	**661,510,708,147**

Table 19: Average Mobile Tariff per Service (GH¢)

Tariff	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Average On-Net mobile tariff	0.13	0.13	0.13	0.14	0.14
Average Off-Net mobile tariff	0.13	0.13	0.13	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	0.12	0.14	0.14

Table 20: BWA Data Subscriptions and Penetration

BWA Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Subscription	1,420	1,431	1,431	1,431	1,454
Growth rate (%)	2.16%	0.77%	0.00%	0.00%	1.61%
Net Additions	30	11	0	0	23
Population	32,264,534	32,429,591	32,594,648	32,759,699	32,924,755
Penetration Rate (%)	**0.004%**	**0.004%**	**0.004%**	**0.004%**	**0.004%**

Table 21: Broadband Volume of Internet Traffic

BWA operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Industry Total (MB)	265,489,254	257,225,394	152,982,518	235,167,488	203,757,131

Table 22: Subscriptions per Broadband Wireless Access (BWA) Operator

BWA Operator	Subscription and Market Share	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Telesol	Subscription	1,420	1,431	1,431	1,431	1,454
	Market share (%)	100.00%	100.00%	100.00%	100%	100%
Industry Total		**1,420**	**1,431**	**1,431**	**1,431**	**1,454**

Table 23: Data Traffic (MB) per Broadband Wireless Access (BWA) per Operator

BWA Operator		Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Telesol	Data usage (MB)	265,489,254	257,225,394	152,982,518	235,167,488	203,757,131
	Market Share (%)	100.00%	100.00%	100.00%	100.00%	100%
Industry Total (MB)		**265,489,254**	**257,225,394**	**152,982,518**	235,167,488	**203,757,131**

Table 24: Internet Usage per BWA Subscriptions (MB)

BWA Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total Volume of Data Traffic	265,489,254	257,225,394	152,982,518	235,167,488	203,757,131
Average BWA Subscription	1,413	1,428	954	1,431	1454
Data Usage per Subscription (MB)	**187,846**	**180,088**	**160,359**	**164,338**	**140,136**

Table 25: Fixed Network Voice Subscriptions and penetration

Fixed Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Telecel	317,757	316,120	314,143	303,575	302,890
	99.27%	99.27%	99.18%	99.12%	95.80%
AT	1065	933	946	929	943
	0.33%	0.29%	0.30%	0.30%	0.30%
MTN	1,271	1,407	1,664	1,776	12,321
	0.40%	0.44%	0.53%	0.58%	3.90%
Total industry subscription	**320,093**	**318,460**	**316,753**	**306,280**	**316,154**
Population	32,264,534	32,429,591	32,594,648	32,759,699	32,924,755
Fixed Network Penetration Rate (%)	**0.99%**	**0.98%**	**0.97%**	**0.93%**	**0.96%**

Table 26: Fixed Network voice (Volume of Traffic in Minutes)

Traffic	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
On-Net Fixed voice traffic	-	-	-	-	-
Off-Net fixed voice traffic	7,983,343	7,268,804	7,038,835	6,990,723	7,241,115
Total Fixed Voice Traffic	**7,983,343**	**7,268,804**	**7,038,835**	**6,990,723**	**7,241,115**

Table 27: Fixed Network voice (Minute of Use per Subscriptions)

Fixed Network (MoU)	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Total Fixed Voice Traffic	7,983,343	7,268,804	7,038,835	6,990,723	7,241,115
Average Fixed Subscription	323,018	318,658	316,753	306,280	316,154
Minutes of Use per Subscription (MoU)	24.715	22.811	22.222	22.825	22.90
Growth Rate	**-0.09%**	**-7.70%**	**-2.58%**	**2.71%**	**0.35%**

Table 28: Fixed Line Data Subscriptions and Penetration

Fixed Network	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Telecel	79,057	80,465	80,788	81,473	81,468
	69.57%	68.86%	67.96%	67.65%	66.26%
AT	915	348	400	405	386
	0.81%	0.30%	0.34%	0.34%	0.31%
MTN	33,665	36,047	37,696	38,555	41,096
	29.63%	30.85%	31.71%	32.01%	33.43%
Total Fixed data	113,637	116,860	118,884	120,433	122,950
Population	32,264,534	32,429,591	32,594,648	32,759,699	32,759,700
Fixed Data Penetration	**0.35%**	**0.36%**	**0.36%**	**0.37%**	**0.38%**

Table 29: Fixed Line Data Subscriptions per Network Operator

Fixed Network Operator	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Telecel	79,057	80,465	80,788	81,473	81,468
AT	915	348	400	405	368
MTN	33,665	36,047	37,696	38555	41,096
Total fixed data subscription	**113,637**	**116,860**	**118,884**	**120,433**	**122,950**

Table 30: Fixed Broadband Subscriptions

Quarter	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
Fixed Broadband Subscription	218,060	223,278	227,400	231,981	216,143

Table 31: Fixed Broadband Subscriptions per Operator

Fixed Broadband Operators	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	141,112	144,967	148,855	152,817	137,012
Telecel	76,948	78,311	78,545	79,164	79,130
Total	**218,060**	**223,278**	**227,400**	**231,981**	**216,142**

Table 32: Fixed Broadband Traffic

Fixed Broadband Operators	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
MTN	50,123,027,895	50,574,572,851	48,318,002,739	52,681,949,607	58,967,116,911
Telecel	50,450,151,547	54,354,961,966	49,929,433,855	48,490,598,437	52,210,324,852

Total	**100,573,179,442**	**104,929,534,817**	**98,247,436,594**	**101,172,548,044**	**111,177,441,763**

Table 33: Regional Distribution of FM Stations by Purpose as at the end of Q3 2024

Name of Regions	Public	Public (Foreign)	Community	Campus	Commercial
Ashanti	2	0	26	4	69
Bono	1	0	4	3	41
Bono East	2	0	7	0	23
Ahafo	0	0	4	0	16
Central	2	0	16	4	39
Eastern	2	0	23	1	28
Greater Accra	2	3	14	3	53
Northern	3	0	8	1	25
Savannah	3	0	4	0	7
North East	1	0	3	0	9
Upper East	2	0	10	2	18
Upper West	2	0	10	1	12
Volta	3	0	3	1	29
Oti	1	0	3	0	13
Western	2	1	8	1	60
Western North	3	0	0	0	24
Total	**31**	**4**	**143**	**21**	**466**

Table 34: Regional Distribution of FM Stations as at the end of Q3 2024

Name Of Regions	Authorised FM Stations	FM Stations In Operation
Ashanti	101	75
Bono	49	38
Bono East	32	25
Ahafo	20	12
Central	61	37
Eastern	54	37
Greater Accra	75	61
Northern	37	20
Savannah	14	11
North East	13	3
Upper East	32	22
Upper West	25	17
Volta	36	24
Oti	17	10
Western	72	46
Western North	27	14
Total	**665**	**452**

Table 35: Authorised TV Stations as at the end of Q3 2024

Type of Television Service	Authorised TV Stations		No. of TV Stations in Operation (Q3 2024)	No. of TV Stations not in Operation (Q3 2024)
	End of Q2 2024	End of Q3 2024		
Digital Terrestrial Free-To-Air Television Programme Channel (Nationwide Coverage)	43	43	43	0
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)	103	97	66	31
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	**180**	**174**	**136**	**38**

Source: NCA, 2024

NCA CONTACTS AND PRESENCE COUNTRYWIDE

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

- ### Accra, Head Office

National Communications Authority,
NCA Tower, No 6 Airport City
Close to the Marina Mall
P. O. Box CT 1568, Cantonments, Accra
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Fax: +233 (0) 302 763449
E-mail: info@nca.org.gh
Complaints: +233 (0) 30 701 1419
complaints@nca.org.gh
Website: www.nca.org.gh

- ### Kumasi Office

National Communications Authority,
Fuller Road, Danyame, Kumasi
P. O. Box KS 10768, Kumasi,
Ashanti Region, Ghana
Tel: + 233 (0) 32 202 0014 / 32 202 0018 / 32 202 0019
Fax: (+233) 32 002 0064
E-Mail: complaints.kumasi@nca.org.gh

- ### Bolgatanga Office

National Communications Authority,
Zorbisi Zaare Residential Area in Bolgatanga Municipality
Private Mail Bag, Bolgatanga,
Upper East Region
Tel: +233 (0) 3820 21141
E-mail: complaints.bolgatanga@nca.org.gh

- ### Sunyani Office

National Communications Authority,
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Tel: +233 (0) 3520 27564
E-Mail: complaints.sunyani@nca.org.gh

- ### Ho Office

National Communications Authority,
Plot No. 75, Stadium Road, Kabore Junction
P. O. Box HP1576, Ho, Volta Region
Tel: +233 (0) 3620 26339
E-Mail: complaints.ho@nca.org.gh

- ### Takoradi Office

National Communications Authority,
Bakado, 3kms away from the Prisons
(R.S.,K. Barnes Ct, Sekondi - Takoradi
P. O. Box SL 409, Sekondi,
Western Region, Ghana
Tel: +233 (0) 31 202 8073 / 31 202 8049
Fax: +233 (0) 31 202 8063
E-Mail: complaints.takoradi@nca.org.gh

- ### Koforidua Office

National Communications Authority,
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Private Mail Bag, Koforidua, Eastern Region
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E-Mail: complaints.koforidua@nca.org.gh

- ### Tamale Office

National Communications Authority,
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