QUARTERLY STATISTICAL BULLETIN ON COMMUNICATIONS IN GHANA

Volume 9 Issue 2

NATIONAL COMMUNICATIONS AUTHORITY

SECOND QUARTER

APRIL - JUNE, 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".

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[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.

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 - Solely for calling and texting with minimal addition.

Feature Phones: Can make and receive calls, send and receive text messages and provide some of the enhanced features found on smartphones such as social media access and browsing.

Smartphones: A class of mobile phones and of multi-purpose mobile computing devices distinguished from feature phones by their stronger hardware capabilities and extensive mobile operating systems, which facilitate wider software, internet (including web browsing over mobile broadband) and multimedia functionality (including music, video, cameras and gaming) alongside core functions such as voice calls and text messaging

Mobile Data-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		Q1 2024 (Jan – Mar)	Q2 2024 (Apr – Jun)	Quarterly Variation (%)	Annual Variation (%)
MOBILE NETWORK SERVICES					
Subscription to Mobile Voice Services (Counts)	Total Mobile (SIM) Subscriptions	34,878,543	37,553,607	7.67%	9.95%
	Machine-to-Machine (M2M) Subscriptions	1,582,076	1,745,268	10.32%	45.08%
Mobile Data Subscriptions (Counts)	Total Mobile Data Subscriptions	24,351,778	24,708,749	1.47%	10.60%
Mobile Data Traffic (MB)	Total Mobile Data Traffic	511,988,575,879	579,320,191,818	13.15%	30.10%
Mobile Phone Devices (Counts)	Basic Phones	5,246,383	5,744,236	9.49%	33.20%
	Feature Phones	11,860,489	11,780,513	-0.67%	0.29%
	Smartphones	20,938,496	21,465,086	2.51%	15.57%
DOMESTIC MOBILE TRAFFIC					
Domestic Mobile Voice Traffic (Minutes)	On-Net Voice Traffic	25,461,814,435	25,875,046,993	1.62%	19.05%
	Off-Net Voice Traffic	2,031,669,730	1,955,923,470	-3.73%	8.53%
	Mobile to Mobile Off-Net Traffic	2,019,078,737	1,943,131,873	-3.76%	8.52%
	Mobile to Fixed Off-Net Traffic	12,590,993	12,791,596	1.59%	9.51%
Domestic Mobile SMS Traffic (Counts)	SMS On-Net	554,291,164	462,267,709	-16.60%	-23.86%
	SMS Off-Net	388,333,987	331,768,815	-14.57%	14.84%
INTERNATIONAL MOBILE TRAFFIC					
International Mobile Voice Traffic (Minutes)	International Incoming Mobile Voice Traffic	37,418,879	34,651,709	-7.40%	-30.72%
	International Outgoing Mobile Voice Traffic	63,299,390	57,837,414	-8.63%	-12.54%
International SMS Traffic (Counts)	International Incoming SMS	81,953,098	77,877,061	-4.97%	-16.11%
	International Outgoing SMS	27,254,119	38,432,002	41.01%	61.13%
ROAMING TRAFFIC					
Out-bound Roaming Traffic	Out-bound Roaming Voice Traffic	3,244,962	3,300,703	1.72%	78.64%
In-Bound Roaming Traffic	In-bound Roaming Incoming Voice Traffic (Minutes)	303,405	309,084	1.87%	22.69%
	In-bound Roaming Outgoing Voice Traffic (Minutes)	14,373,178	10,281,375	-28.47%	20.09%
	In-Bound Roaming Incoming SMS (Counts)	82,385,666	82,939,210	0.67%	24.26%
	In-bound Roaming Outgoing SMS (Counts)	5,944,434	5,133,186	-13.65%	-13.52%

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

Indicator/Period		Q1 2024 (Jan – Mar)	Q2 2024 (Apr – Jun)	Quarterly Variation (%)	Annual Variation (%)
FIXED NETWORK SERVICES					
Fixed Voice Subscriptions (Counts)	Total Fixed Line Subscriptions	316,672	306,280	-3.28%	-4.78%
Domestic Fixed Voice Traffic (Minutes)	Fixed to Mobile	7,267,564	6,990,723	-0.68%	-15.05%
Fixed Data and Broadband Subscriptions and Traffic	Total Fixed Data Subscriptions (Counts)	118,884	118,524	-0.30%	7.05%
	Fixed Broadband Subscriptions (Counts)	227,400	231,981	2.01%	4.98%
	Fixed Broadband Traffic (MB)	98,247,436,594	101,172,548,044	2.98%	15.96%
BROADBAND WIRELESS ACCESS (BWAs)					
Broadband Wireless Access Subscriptions (Counts)		1,431	1,431	0.00%	2.95%
Broadband Wireless Access Data Traffic (MB)		152,982,518	255,162,470	66.79%	-6.76%
BROADCASTING SERVICES					
Licensed TV Stations (Counts)		176	180	2.27%	3.53%
Operational TV Stations (Counts)		135	139	2.96%	14.41%
Licensed FM Stations (Counts)		729	738	1.10%	1.24%
Operational FM Stations (Counts)		526	537	2.09%	-3.66%
CATEGORIES OF AUTHORISED FM STATIONS					
Commercial FM Stations (Counts)		531	538	1.32%	-1.85%
Public FM Stations (Counts)		31	31	0.00%	0.00%
Public Foreign FM Stations (Counts)		5	5	0.00%	0.00%
Community FM Stations (Counts)		138	139	0.72%	10.32%
Campus FM Stations (Counts)		24	25	4.17%	-4.00%
PENETRATION RATE (%)					
Mobile Voice Subscriptions		107.01	114.7	7.19%	7.46%
Mobile Data Subscriptions		74.71	75.42	0.95%	8.36%
Fixed Voice Subscriptions		0.97	0.93	-4.12%	-11.43%
Fixed Data Subscriptions		0.36	0.36	0.00%	5.71%
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 April – June 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 34.88 million in Q1 2024 to 37.55 million at the end of Q2 2024, representing an increase in growth by 7.67%.

Year - on-Year subscriptions also increased from 34.15 million at the end of Q2 2023 to 37.55 million at the end of Q2 2024, recording a 9.95% growth rate.

The penetration rate at the end of the quarter under review was 114.63% as compared to 107.01% recorded in Q1 2024, indicating an increase in growth rate by 7.13% (Figure 1) (Appendix, Table 1).

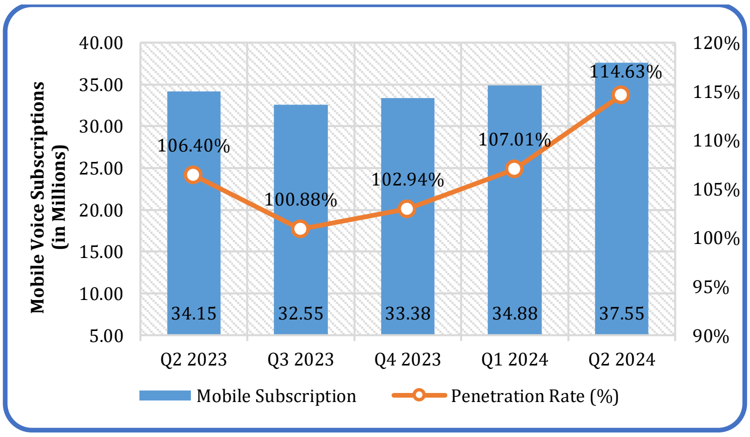

Figure 1: Mobile Voice Subscription and Penetration Rate

1.1.1 Mobile Voice Subscriptions and Market Share per Operator

At the end of Q2 2024, MTN recorded 75.41% of the market share with 28.32 million subscriptions. Telecel followed with 6.37 million subscriptions (16.97%). AT ended the quarter under review with a market share of 7.62% with approximate subscriptions base of 2.86 million (Figure 2) (Appendix, Table 2).

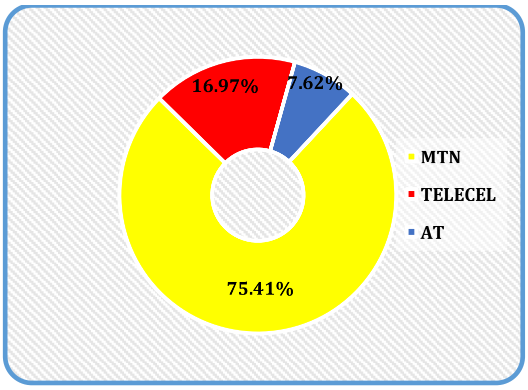

Figure 2: Market Share per Operator

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

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

MTN increased its market share in percentage from 74.26% in Q1 2024 to 75.41% in Q2 2024, representing a growth of 1.55%. Telecel had a negative growth of 5.27% from 17.92% in Q1 2024 to 16.97% in Q2 2024. AT's market share also decreased in percentage from 7.83% in Q1 2024 to 7.62% in Q2 2024, representing a decline of 2.63%.

1.1.3 Prepaid and Postpaid Mobile Voice Subscriptions

Prepaid voice subscription was 37.13 million representing a market share of 98.86%, whilst Post-paid subscription at the end of the quarter under review was 0.43 million and a market share of 1.14%. (Figure 3) (Appendix, Table 3).

Prepaid voice subscription increased from 34.46 million at the end of Q1 2024 to 37.13 million at the end of Q2 2024 representing a percentage increase of 7.73%.
Postpaid voice subscription also increased from 0.42 million in Q1 2024 to 0.43 million in Q2 2024 representing an increase in growth by 2.95%.

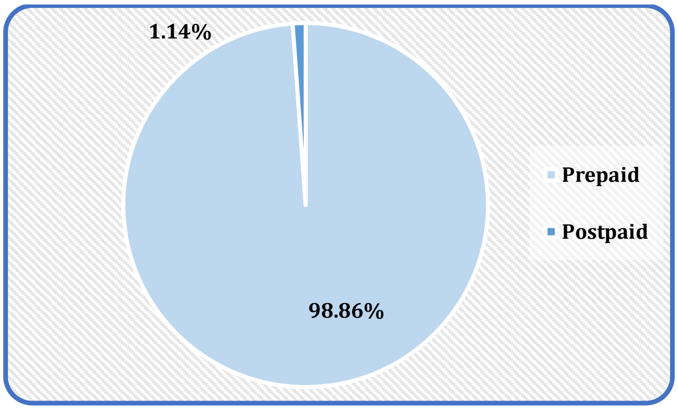

Figure 3: Prepaid and Postpaid Mobile Voice Subscriptions

1.1.4 Machine-to-Machine Subscriptions

The Machine-to-Machine mobile network subscriptions (M2M) Subscriptions increased to 1,745,268 in Q2 2024 from 1,582,076 recorded in the preceding quarter, indicating growth of 10.32%.

Year-on-Year subscriptions increased by 45.80% from 1,197,011 in Q2 2023 to 1,745,268 in Q2 2024 (Figure 4) (Appendix, Table 4).

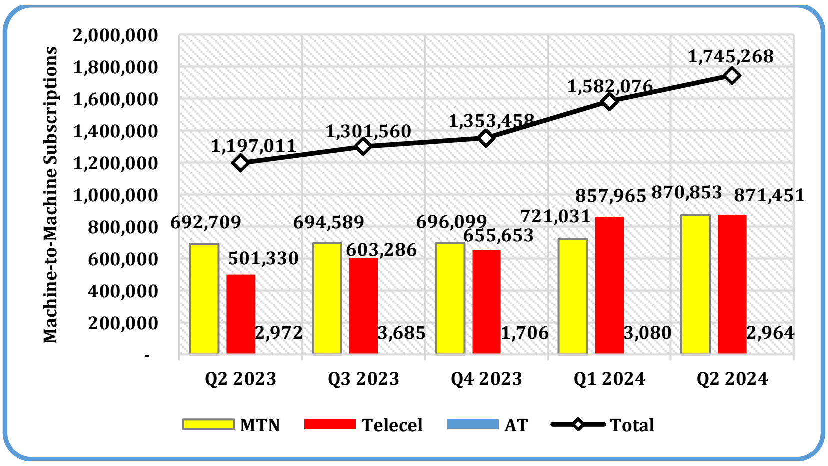

Figure 4: Machine-to-Machine (M2M) Subscriptions

1.1.5 Devices and Terminals

At the end of Q2 2024, a total of 38,989,835 devices were connected to MTN and AT (excluding Telecel). This shows an increase of 2.48% (944,467) in the use of devices as compared to 38,045,368 recorded in Q1 2024.

Year-on-Year analysis shows that active devices connected to mobile networks increased by 15.01% from 33,901,062 in Q2 2023 to 38,989,835 during the quarter under review.

As of June 2024, out of the 38,989,835 devices connected, 55.05% (21,465,086) were Smartphones, 30.21% (11,780,513) were Feature phones and 14.73% (5,744,236) were Basic phones. (Figure 5) (Appendix, Table 5).

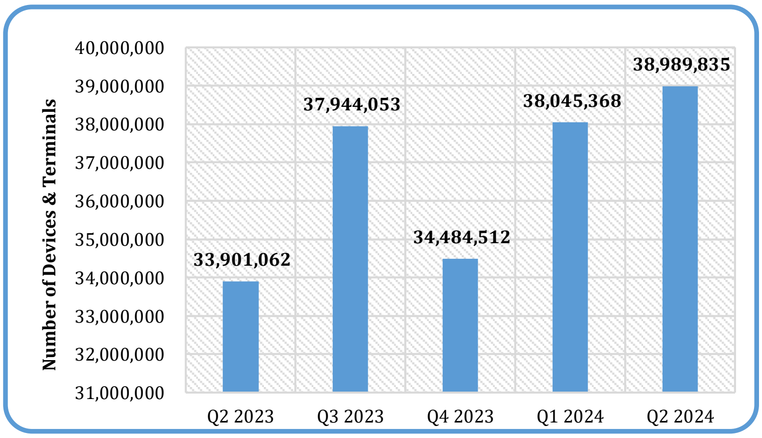

Figure 5: Devices and Terminals

1.2 Off-Net Domestic Voice Traffic

Mobile-to-Mobile Off-Net Traffic decreased from 2.02 billion minutes at the end of Q1 2024 to 1.94 billion at the end of Q2 2024 marginally recording a negative growth of 3.76%.

Year-on-Year Mobile-to-Mobile Off-Net Traffic increased from 1.79 billion minutes at the end of Q2 2023 to 1.94 billion minutes at the end of Q2 2024, recording an increase in growth rate by 8.52%.

Quarter-on-Quarter Mobile-to-Fixed Off-Net Traffic increased from 12.59 million minutes in Q1 2024 to 12.79 million minutes at the end of Q2 2024, indicating a 1.59% increase in growth rate.

Year-on-Year Mobile-to-Fixed Off-Net Traffic increased by 9.51% from 11.68 million minutes at the end of Q2 2023 to 12.79 million minutes at the end of Q2 2024. (Figure 6) (Appendix, Table 6)

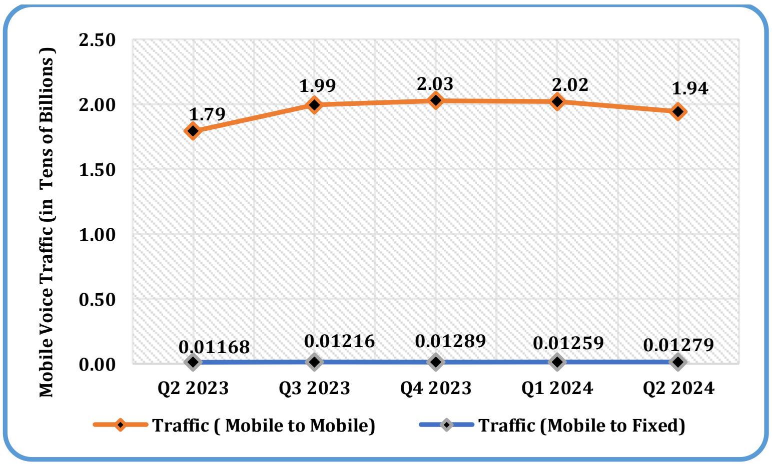

Figure 6: Off-Net Traffic Distribution between Mobile and Fixed Networks

1.2.1 Total Domestic Mobile Voice Traffic

Total Domestic Mobile Voice Traffic increased by 1.23% from 27.49 billion minutes in Q1 2024 to 27.83 billion minutes in Q2 2024.

Year-on-Year Total Domestic Mobile Voice Traffic also increased from 23.56 billion minutes at the end of Q2 2023 to 27.83 billion minutes at the end of Q2 2024, representing a growth rate of 18.12%.

In the quarter under review, Off-Net Domestic Mobile Voice Traffic decreased from 2.03 billion minutes at the end of Q1 2024 to 1.96 billion minutes at the end of Q2 2024, recording a negative growth rate of 3.74%.
Year-on-Year Off-Net Domestic Mobile Voice Traffic increased from 1.80 billion minutes in Q2 2023 to 1.96 billion minutes at the end of Q2 2024 representing an 8.51% growth rate.

On-Net Domestic Mobile Voice Traffic increased from 25.46 billion minutes in the previous quarter to 25.88 billion minutes at the end of Q2 2024, representing a growth rate of 1.62%.

Year-on-Year On-Net Domestic Mobile Voice Traffic also grew from 21.76 billion minutes in Q2 2023 to 25.88 billion minutes at the end of Q2 2024 representing an 18.92% increase in growth rate. (Figure 7) (Appendix, Table 7)

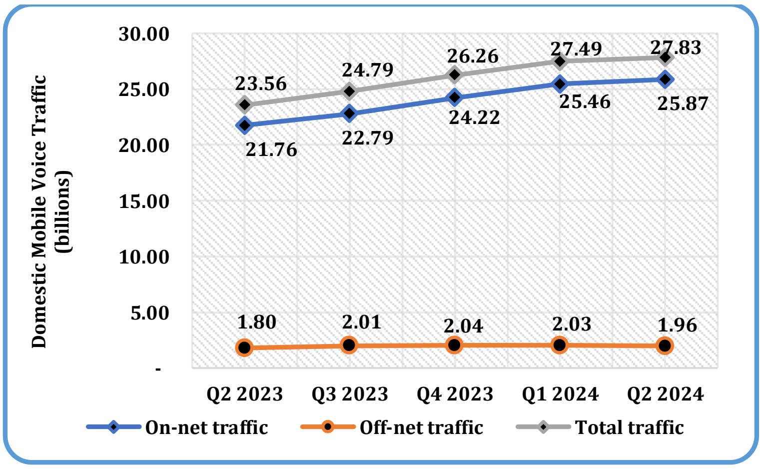

Figure 7: Total Domestic Mobile Voice Traffic in Billions of Minutes

1.2.2 Minutes of Use (MoU)

Quarter-on-Quarter average minutes of use per subscription decreased from 802.63 minutes in Q1 2024 to 781.61 minutes representing a 2.62% decline in growth rate in Q2 2024.

Year-on-Year minutes of use per subscription also increased from 684.38 minutes in Q2 2023 to 781.61 minutes in Q2 2024, recording a growth rate of 14.21%. (Figure 8) (Appendix, Table 8).

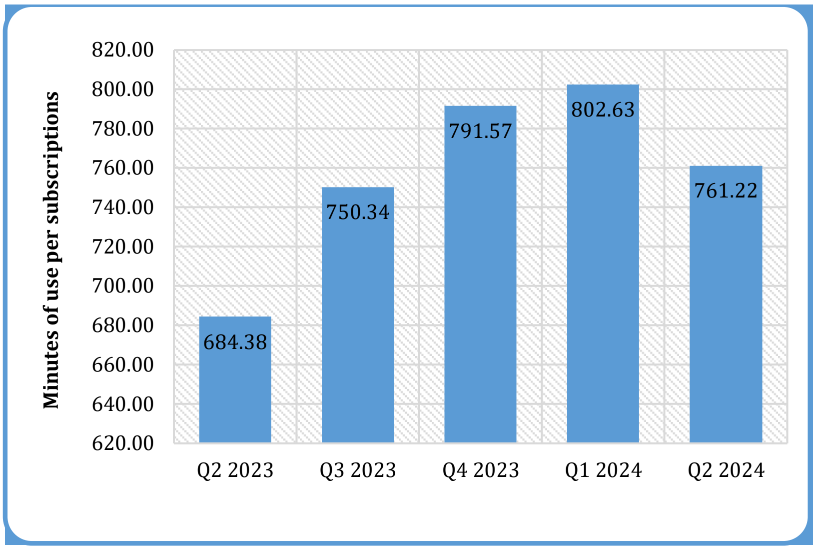

Figure 8: Mobile Voice Traffic Minutes of Use (MoU) per subscription

1.3 International Traffic

Inbound International Traffic decreased by 8.92% from 37.42 million minutes in Q1 2024 to 34.08 million minutes in Q2 2024.

Year-on-Year Inbound International Traffic also declined by 31.85% from 50.01 million minutes in Q2 2023 to 34.08 million minutes in Q2 2024.

Quarter-on-Quarter Outbound International Traffic showed a decrease in growth by 7.50% from 63.30 million minutes in Q1 2024 to 58.55 million minutes in the quarter under review.

Year-on-Year Outbound International Traffic showed a 11.46% decline in growth from 66.13 million in Q2 2023 to 58.55 million in Q2 2024. (Figure 9) (Appendix, Table 9)

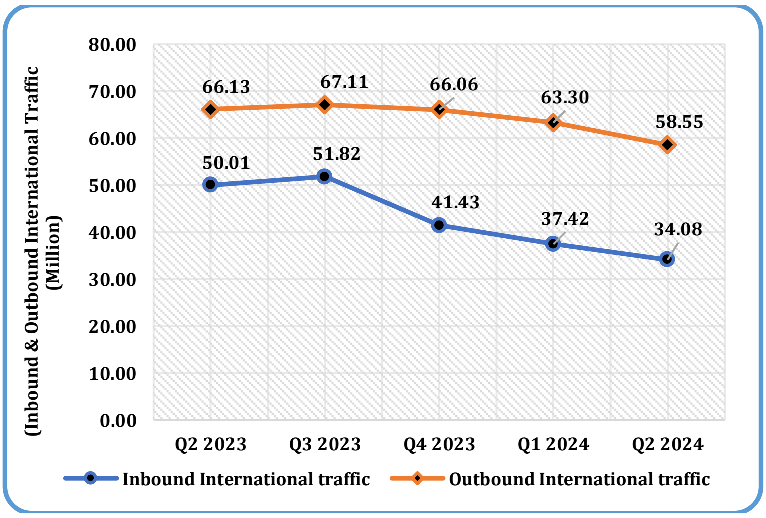

Figure 9: International Traffic in Millions of Minutes

1.3.1 Short Message Services (SMS)

The total number of Short Message Services (SMS) sent at the end of Q2 2024 was 794.04 million as compared to 942.63 million in Q1 2024, recording a decrease in growth by 15.76%.

Year-on-Year total SMS Counts also decreased from 896.03 million in Q2 2023 to 794.04 million at the end of Q2 2024 representing a decline in growth rate by 11.38%. (Figure 10) (Appendix, Table 10)

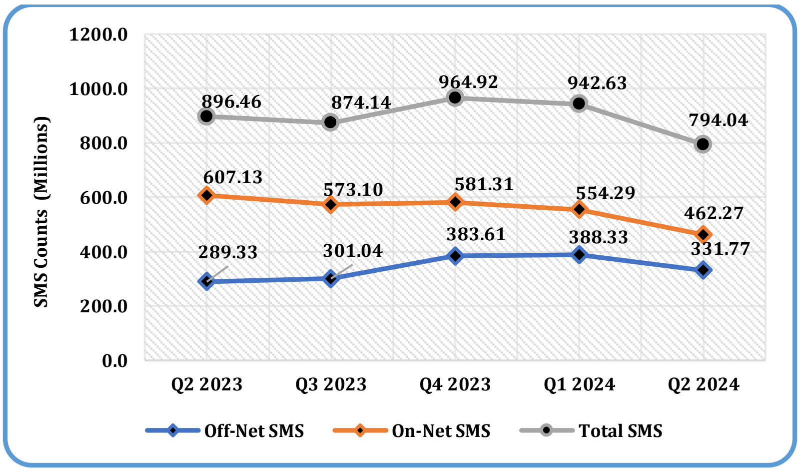

Figure 10: Total Number of SMS in Million

1.3.2 SMS Counts per Operator

The volume of SMS Traffic originating from MTN was 502.76 million at the end of Q2 2024, representing a market share of 63.32% of the total SMS count.

The volume of SMS traffic from Telecel was 282.86 million, representing a market share of 35.62% of the total SMS count.

AT had an SMS count of 8.42 million, representing 1.06% of the market share of the total SMS count. (Figure 11) (Appendix, Table 11).

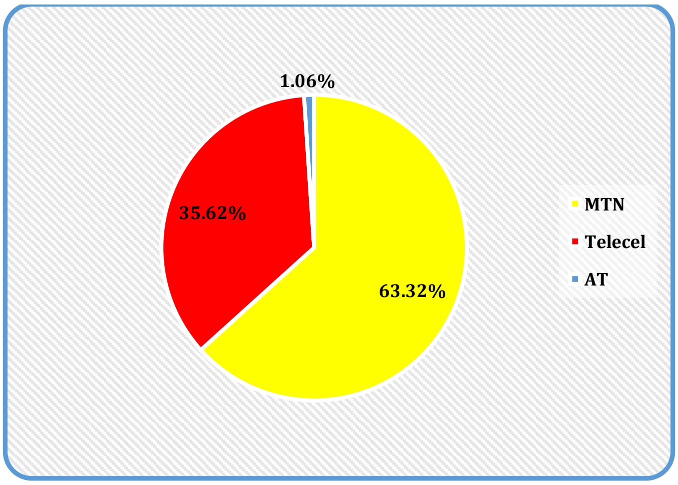

Figure 11: SMS Counts Market Share per Operator

1.3.3 SMS per Subscription

Quarter-on-Quarter SMS sent per subscription at the end of Q2 2024 was 22.30 SMS, indicating an 18.96% decrease in SMS per subscription as compared to the end of Q1 2024 (27.52). (Figure 12) (Appendix, Table 12).

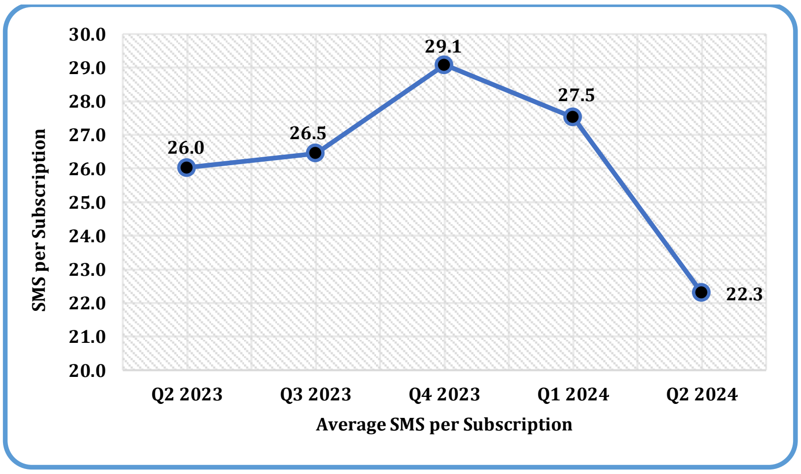

Figure 12: SMS per Subscription

1.4 Mobile Data Subscriptions and Penetration Rate (%)

At the end of Q2 2024, Mobile Data Subscriptions increased by 1.47% from 24.35 million at the end of Q1 2024 to 24.71 million.

Year-on-Year subscriptions also increased by 10.60% from 22.34 million at the end of Q2 2023 to 24.71 million at the end of Q2 2024. The penetration rate as at the end of Q2 2024 was 75.42%. (Figure 13) (Appendix, Table 13).

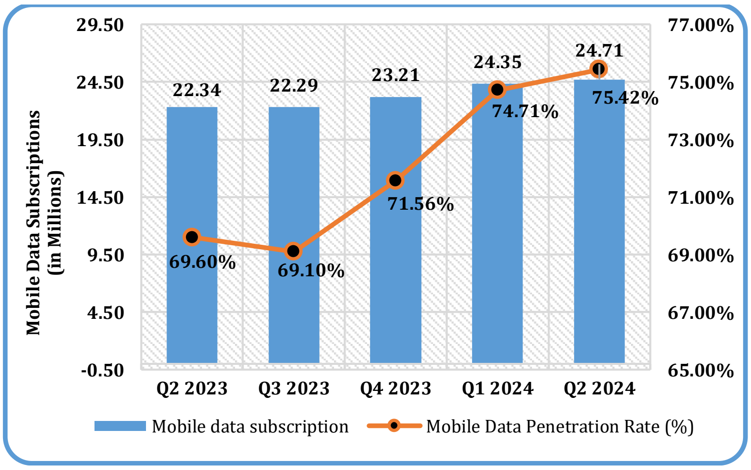

Figure 13: Mobile Data Subscriptions in Millions and Penetration Rate (%)

1.4.1 Mobile Data Prepaid and Postpaid Subscriptions

Mobile Data Pre-Paid subscriptions increased from 24.14 million at the end of Q1 2024 to 24.49 million subscriptions at the end of Q2 2024, representing a market share of 99.13% of the total Mobile Data subscriptions.

Mobile Data Post-Paid subscriptions also increased from 211,465 at the end of Q1 2024 to 216,005 at the end of Q2 2024 representing a market share of 0.87% of the total Mobile Data subscriptions. (Figure: 14) (Appendix, Table 14).

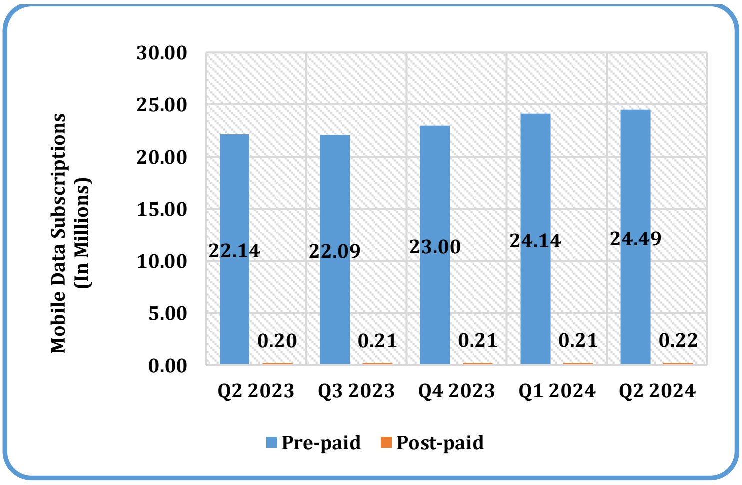

Figure 14: Mobile Data Pre-paid and Post-paid Subscriptions

1.4.2 Mobile Data Subscription per Operator

MTN recorded 19.89 million subscriptions, which represents 80.50% of the market, while Telecel recorded 3.18 million subscriptions with a 12.87% share of the market during the quarter under review.

AT also had 1.64 million in mobile data subscriptions with a 6.63% share of the market at the end of Q1 2024. (Figure15).

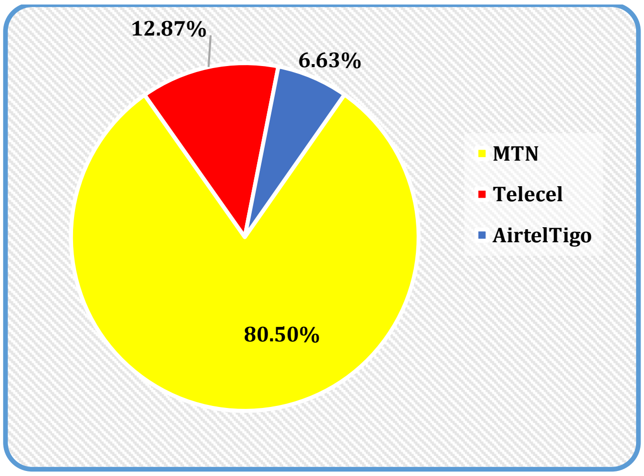

Figure 15: Mobile Data Market Share per Operator

1.5 Mobile Data Traffic

At the end of Q2 2024, mobile data traffic generated by the Operators was 534.09 billion (MB), recording an increase in growth by 4.32% as compared to 511.99 billion (MB) at the end of Q1 2024.

Year-on-Year mobile data traffic increased from 445.30 billion (MB) at the end of Q2 2023 to 534.09 billion (MB) at the end of Q2 2024, representing an increase of 19.94%. (Figure 16) (Appendix, Table 15).

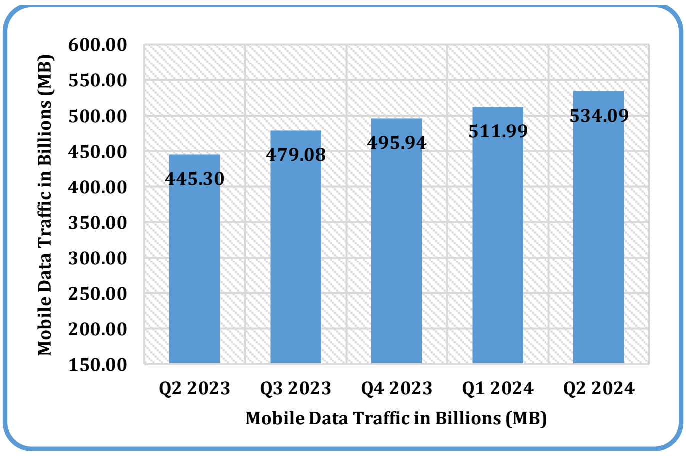

Figure 16: Mobile Data Traffic in Billions of Megabytes (MB)

1.5.1 Mobile Data Usage per Subscription [4]

Mobile Data Usage per subscription increased from 21,649 MB at the end of Q1 2024 to 23,451 MB at the end of Q2 2024 recording a negative growth of 0.13%.

Year-on-Year mobile data usage per subscription increased from 19,682 MB at the end of Q2 2023 to 23,451 MB at the end of Q2 2024, recording a growth of 19.15% (Figure 17) (Appendix, Table 16).

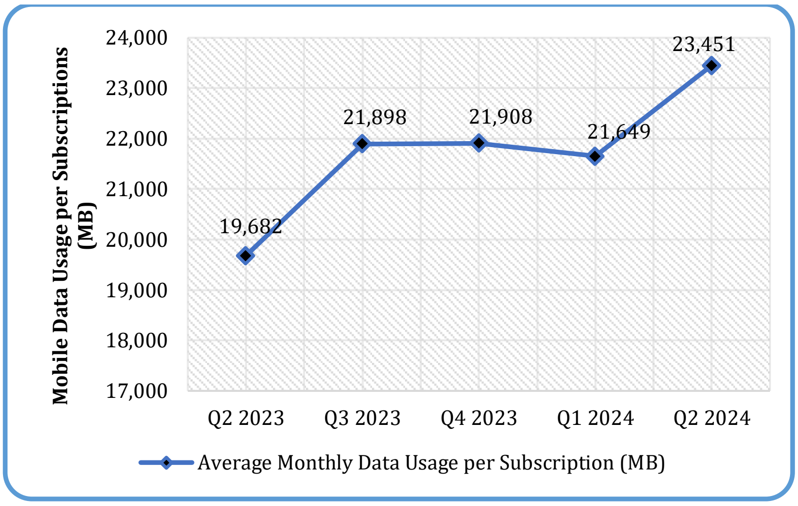

Figure 17: Mobile Data Usage per Subscription (MB)

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.

1.5.2 Mobile Data Traffic per Operator

MTN generated the highest volume of mobile data traffic, 427.21 billion (MB) with a market share of 79.99%. Telecel followed with a traffic of 85.59 billion (MB) and a market share of 16.03%. AT also had 21.29 billion (MB) of data, recording a market share of 3.99%. (Figure 18) (Appendix, Table 17)

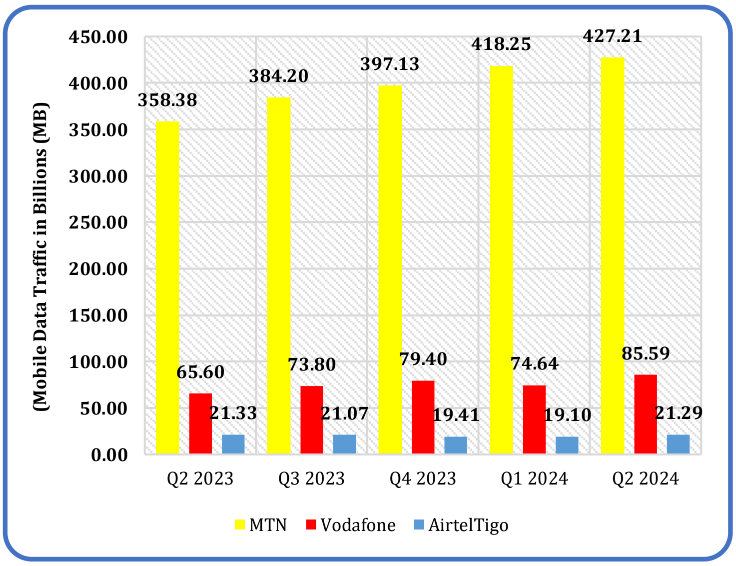

Figure 18: Mobile Internet Traffic (MB) per Operator

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 Q2 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 0.14 pesewas. (Figure 19)(Appendix, Table 18).

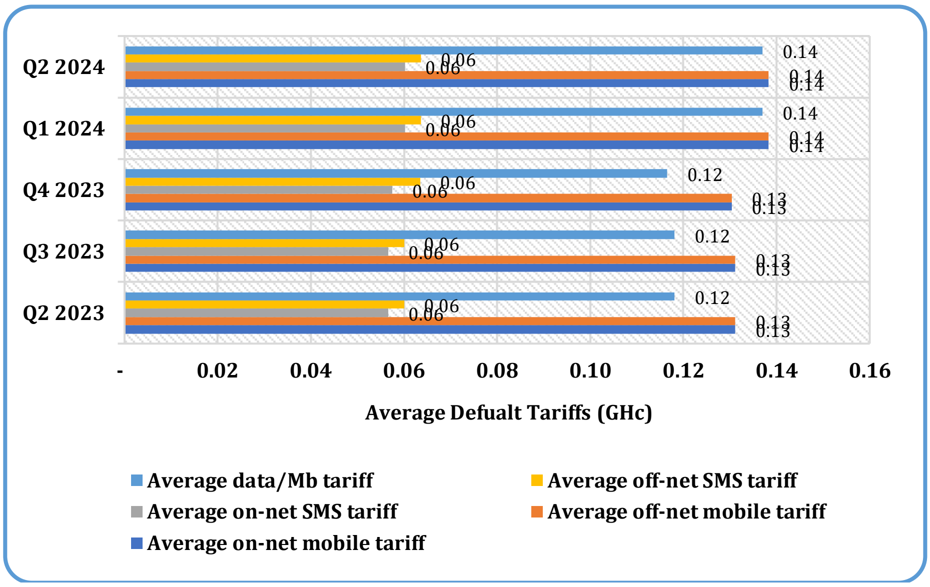

Figure 19: Average Mobile Tariffs per Service

2.0 BROADBAND WIRELESS ACCESS (BWA)

As at Q2 2024, Telesol is the only operational BWA(s) and thus submitted data for this report.

2.1 BWA Subscriptions and Penetration Rate

BWA subscriptions remained at 1,431 in Q2 2024 as it was in the previous quarter, indicating no growth in the Broadband Wireless Access subscriptions in the country.

Year-on-Year subscriptions, however, increased by 2.95% from 1,390 in Q2 2023 to 1,431 at the end Q2 2024. Penetration rate for Broadband Wireless Access was 0.004% at the end of Q2 2024. (Figure 20) (Appendix, Table 19).

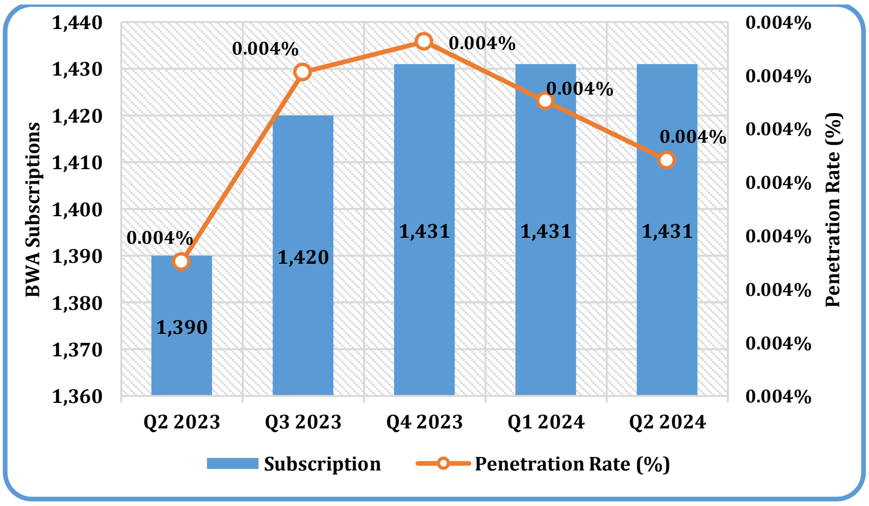

Figure 20: BWA Subscription and Penetration Rate

2.1.1 Subscriptions per Broadband Wireless Access (BWA) per Operator

As at the end of Q2 2024, BWA subscriptions for Telesol stood at 1,431 representing a market share of 100%. (Figure 21) (Appendix, Table 20).

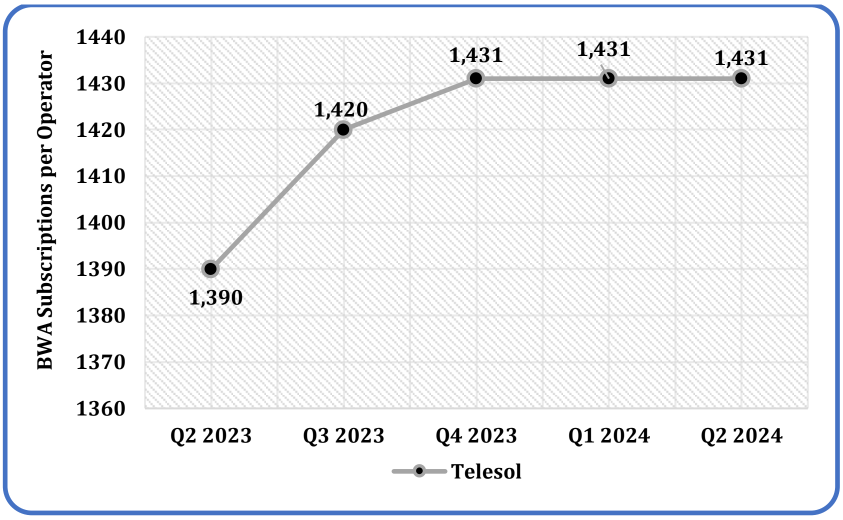

Figure 21: Subscriptions per Broadband Wireless Access (BWA) Operator

2.2 Broadband Wireless Access (BWA) Volume of Internet Traffic

The total volume of data traffic generated by the BWAs increased from 0.153 billion (MB) at the end of Q1 2024 to 0.235 billion (MB) at the end of Q2 2024 recording a growth of 53.72%.

Year-on-Year data traffic generated by the BWAs however decreased from 0.274 billion (MB) at the end of Q2 2023 to 0.235 billion (MB) at the end of Q2 2024, representing a decline in growth by 14.07%. (Figure 22) (Appendix A, Table 21).

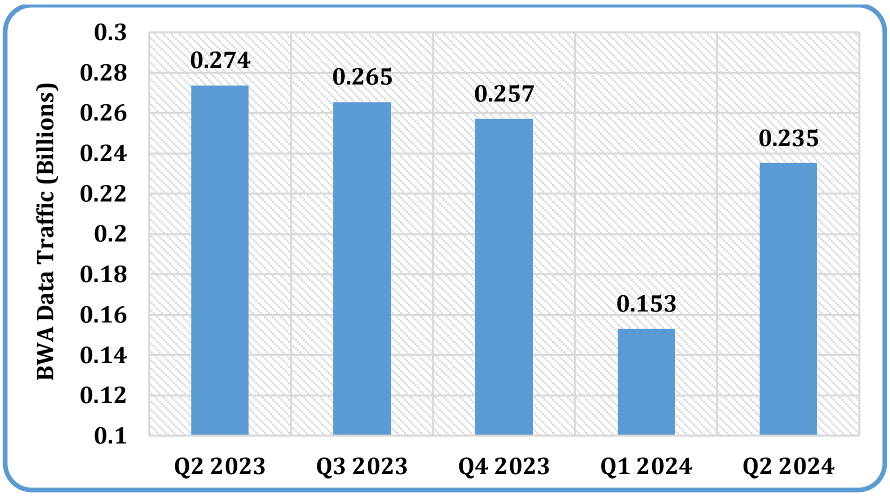

Figure 22: BWA Data Traffic in Billions of Megabytes (MB)

2.2.1 Volume of BWA Traffic per Operator

Telesol's total volume of data traffic for the quarter under review was 0.235 billion MB with a market share of 100.00%. (Figure 23) (Appendix, Table 22).

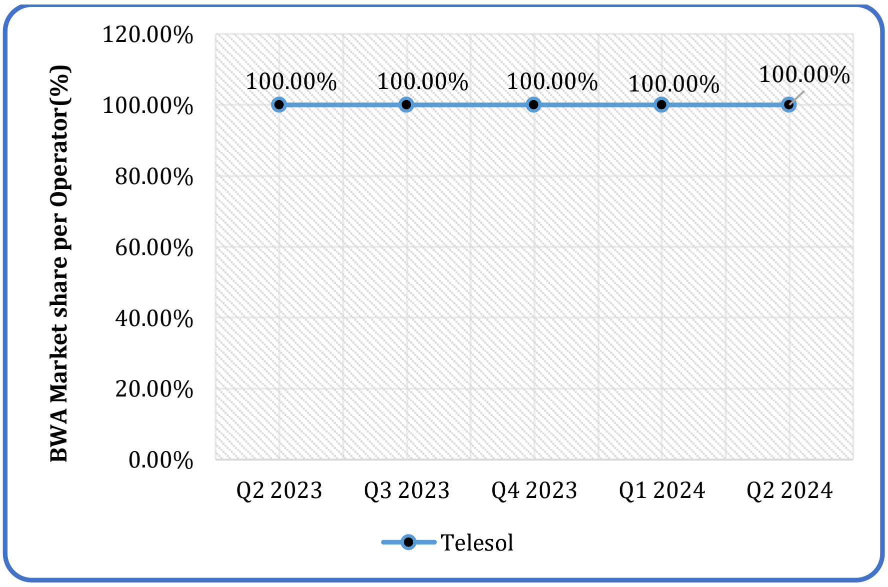

Figure 23: BWA Traffic Market Share per Operator (MB)

2.2.2 Data Usage per BWA Subscription[5]

Data usage per BWA subscription increased from 106,906(MB) in Q1 2024 to 164,388(MB) in Q2 2024, representing a growth of 53.72%

Year-on-Year data usage per subscription however decreased by 1.10% from 166,164(MB) in Q2 2023 to 164,338 (MB) at the end of Q2 2024 (Figure 24) (Appendix, Table 23).

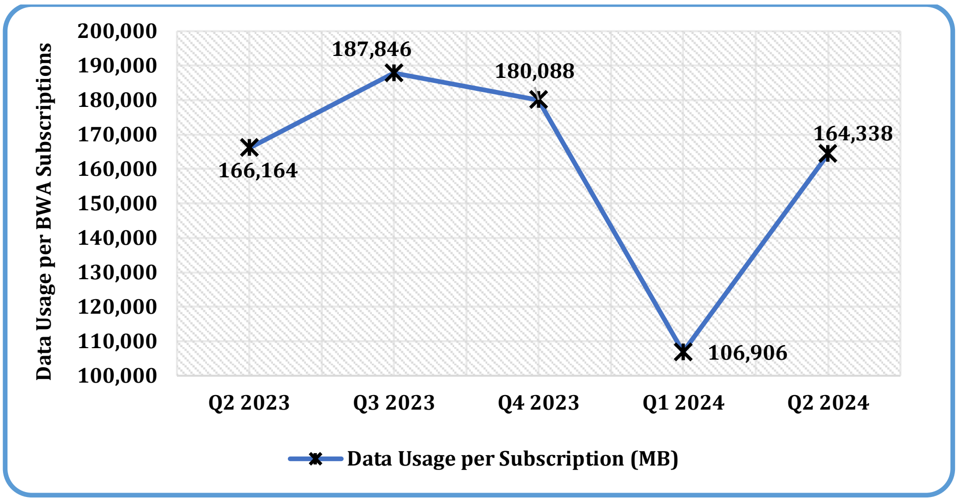

Figure 24: Data Usage per BWA Subscription

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 0.58% from 316,753 in Q1 2024 to 306,280 at the end of Q2 2024 with a penetration rate of 0.93%.

Year-on-Year subscription decreased from 333,426 in Q2 2023 to 306,280 at the end of Q2 2024, representing a negative growth rate of 8.14% (Figure 25) (Appendix, Table 24).

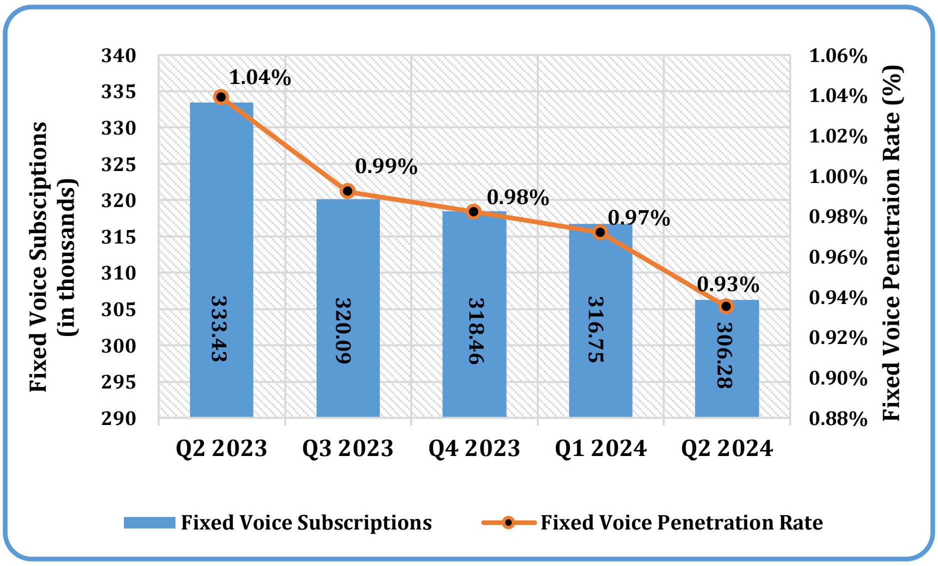

Figure 25: Fixed Network Voice Subscription and Penetration Rate

3.2 Fixed Voice Traffic

Total Fixed Voice Traffic decreased by 0.7% from 7.04 million minutes in Q1 2024 to 6.99 million minutes in Q2 2024.

Year-on-Year Total Fixed Voice Traffic also decreased by 15.12%, from 8.24 million minutes in Q2 2023 to 6.99 million minutes in Q2 2024. (Figure 26) (Appendix, Table 25).

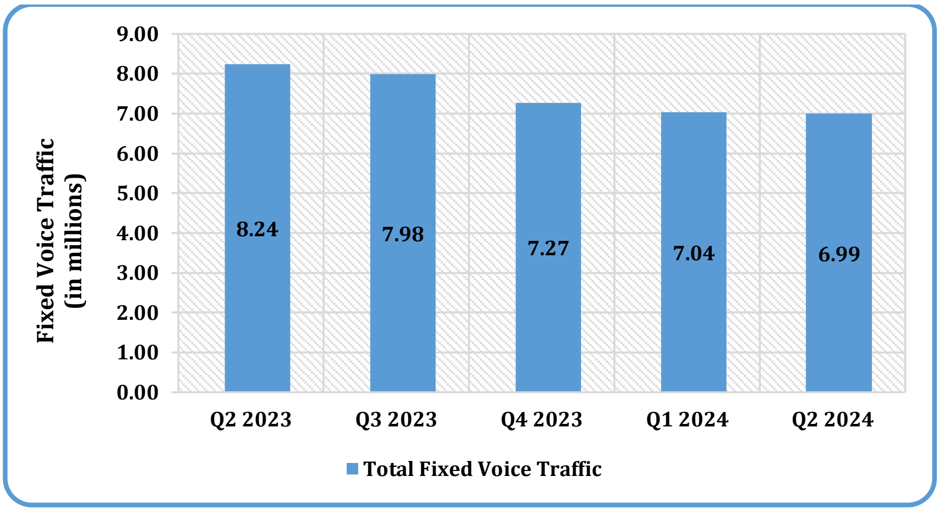

Figure 26: Total Fixed Voice Traffic

3.3 Fixed Voice Minute of Use[6]

Fixed Voice Traffic per subscription increased by 2.71% from 22.22 minutes in Q1 2024 to 22.83 minutes at the end of Q2 2024.

Year-on-Year minutes of use per subscription decreased by 7.73% from 24.74 minutes in Q2 2024 to 22.83 minutes at the end of Q2 2024 (Figure 27) (Appendix A, Table 26).

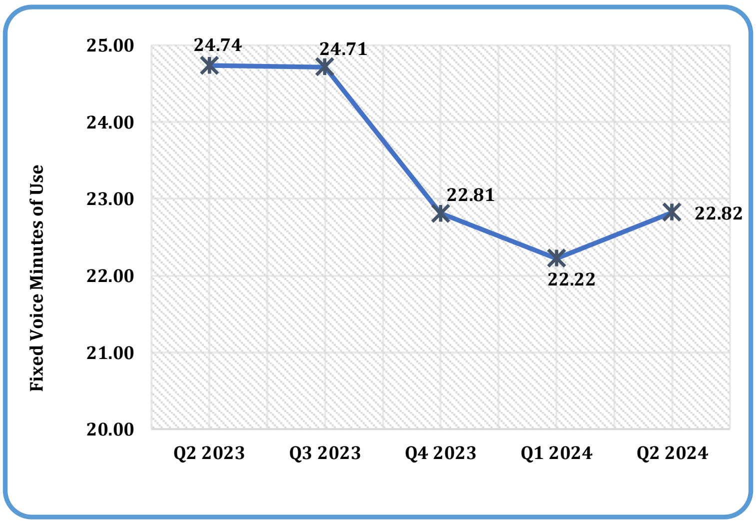

Figure 27: Fixed Network Minute of Use

3.4 Fixed Data Subscriptions and Penetration Rate

Fixed Data subscriptions went up from 118,884 in Q1 2024 to 120,433 in the quarter under review, representing a growth rate of 1.30%.

Year-on-Year Fixed Data subscriptions increased by 8.77% from 110,723 in the preceding year to 120,433 at the end of Q2 2024.

Fixed Data penetration rate at the end of Q2 2024 was 0.37%. (Figure 28) (Appendix, Table 27).

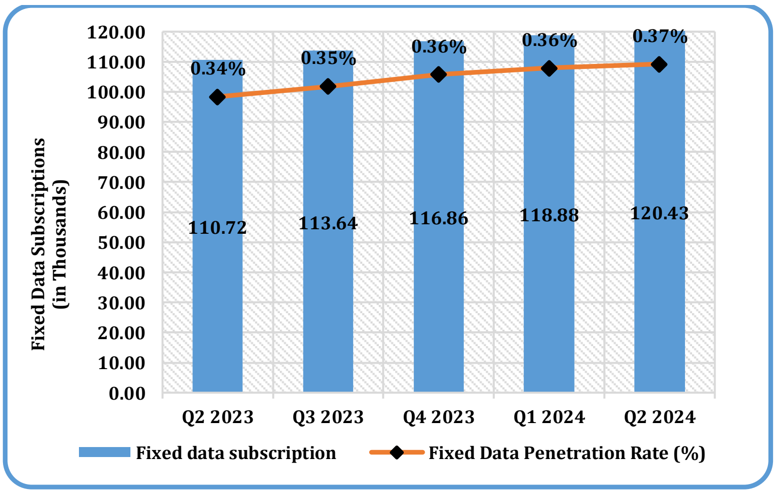

Figure 28: Fixed Data Subscriptions and Penetration

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 subscriptions at the end of Q2 2024 was 81,473 representing 67.65% of the market share as against 80,788 in Q1 2024.

MTN's subscriptions at the end of Q2 2024 was 38,555 representing 32.01% of the market share as compared to 37,696 in Q1 2024.

AT recorded 405 subscriptions at the end of Q2 2024 with a market share of 0.37% as compared to 400 subscriptions in the previous quarter. (Figure 29) (Appendix, Table 28).

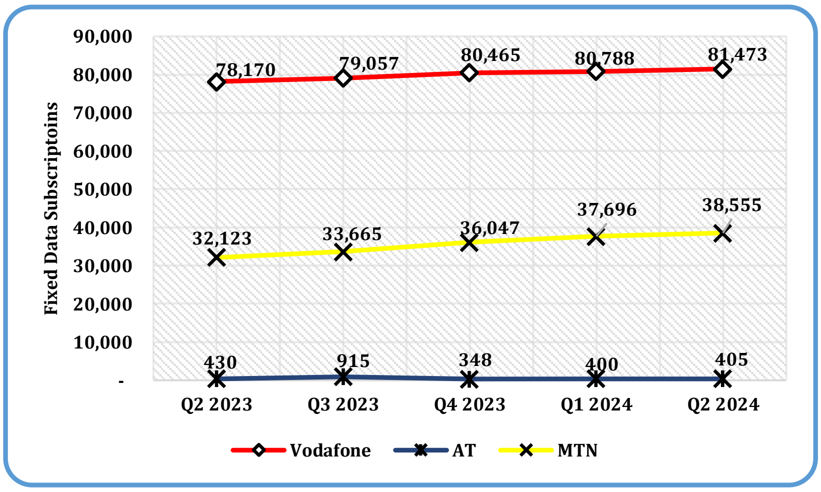

Figure 29: Fixed Data Subscription per Operator

3.6 Fixed Broadband Subscriptions

The Total Fixed Broadband subscriptions in the country grew by 2.01% from 227,400 subscriptions at the end of Q1 2024 to 231,981 subscriptions during the period under review.

Year-on-Year Fixed Broadband subscriptions also increased by 4.98% from 220,966 subscriptions at the end of Q2 2023 to 231,981 subscriptions at the end of Q2 2024. (Figure 30) (Appendix, Table 29).

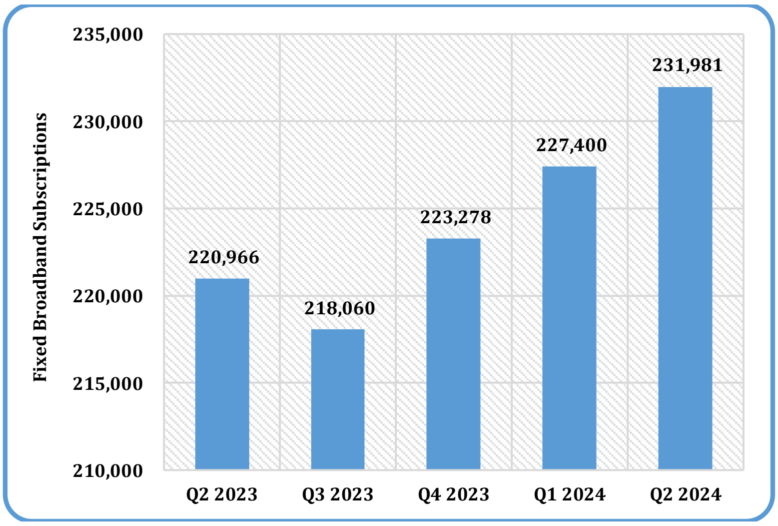

Figure 30: Fixed Data Subscription per Operator

3.6.1 Fixed Broadband Subscriptions per Operator

MTN recorded a market share of 65.87% with a Fixed Broadband subscription of 152,817 from Total Fixed Broadband subscriptions of 231,981 during the reference period, whilst Telecel registered a market share of 34.13% with 79,164 Fixed Broadband subscriptions during the same period with a growth of 0.79%.

Quarter-on-Quarter Fixed Broadband subscriptions for MTN increased from 148,855 in Q1 2024 to 152,817 in Q2 2024 with a growth rate of 2.66%, whilst Telecel also recorded growth of 0.79% from 78,545 in Q1 2024 to 79.164 in Q2 2024.

Year-on-Year growth rates of Fixed Broadband Subscriptions in the country for MTN and Telecel were 5.33% and 4.33% respectively. (Figure 31) (Appendix, Table 30)

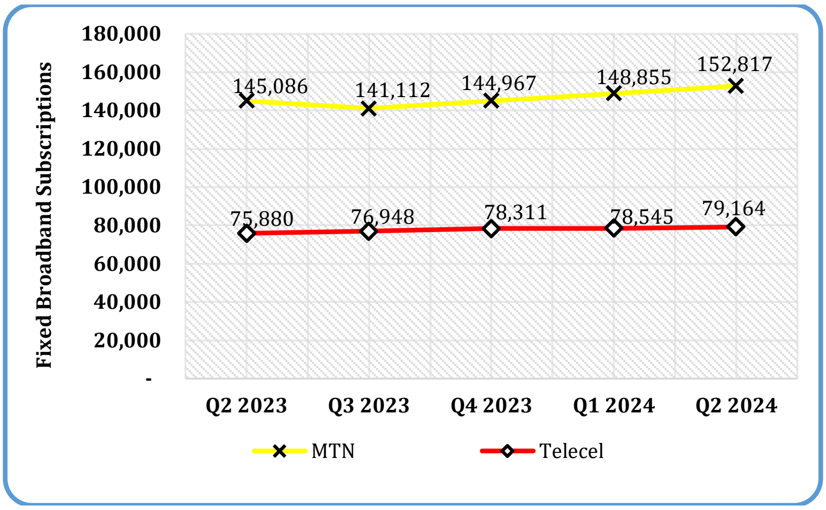

Figure 31: Fixed Data Subscription per Operator

3.6.2 Fixed Broadband Traffic

The Total Fixed Broadband Traffic increased by 2.98% from 98.25 billion in Q1 2024 to 101.17 billion minutes during the reference period.

Year-on-Year total Fixed Broadband Traffic also increased by 15.96% from 87.25 billion minutes at the end of Q2 2023 to 101.17 billion minutes at the end of Q2 2024. (Figure 32) (Appendix, Table 31)

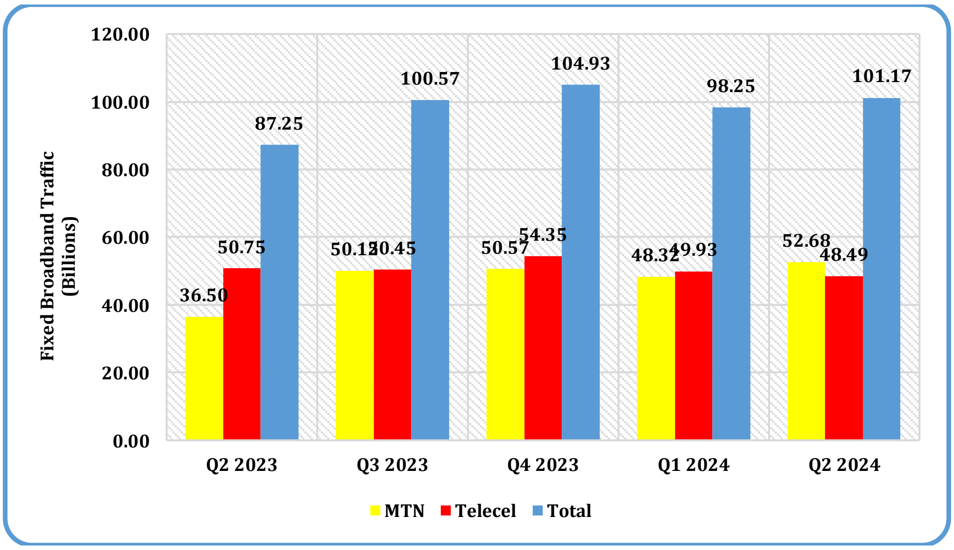

Figure 32: Fixed Broadband Traffic

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 Q2 2024 was 738 with 538 in operation.

The Ashanti Region had the highest number of Authorised FM stations (107), representing 14.49% of the total number of Authorised FM Stations in the country. The North East Region had the least number of Authorised FM Stations (11), representing 1.49% of the total Authorised FM Stations in the country. (Figure 33, 34 & 35) (Appendix A, Table 32 & 33).

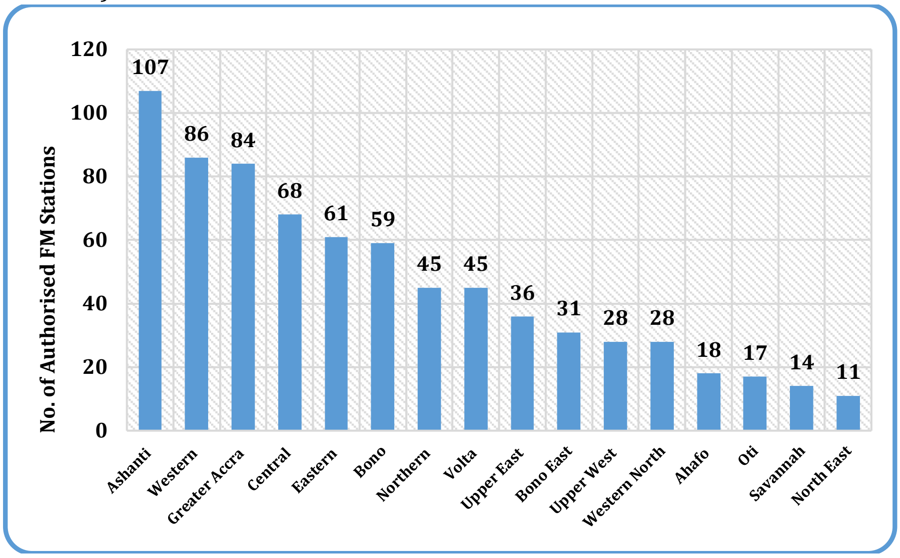

Figure 33: Regional distribution of Authorised FM Stations as at end of Q2 2024

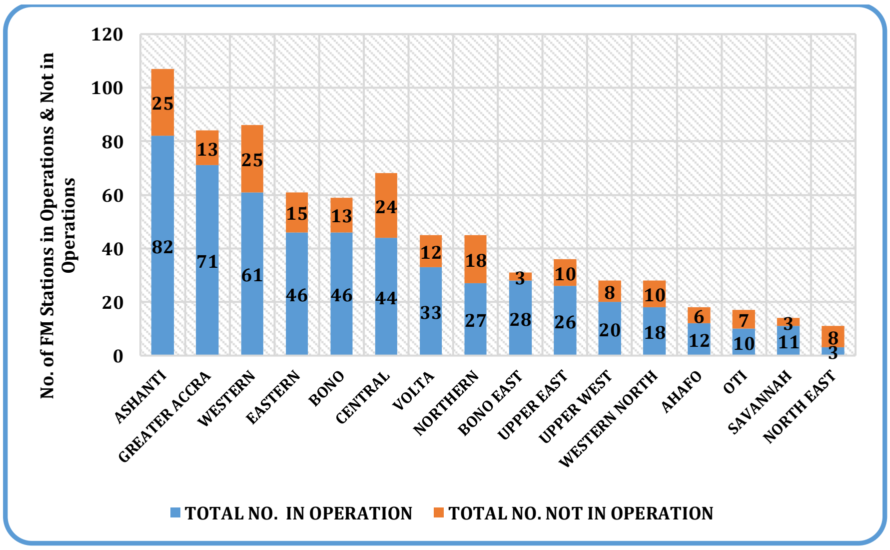

Figure 34: Regional distribution of On-air and Off-air FM Stations at end of Q2 2024

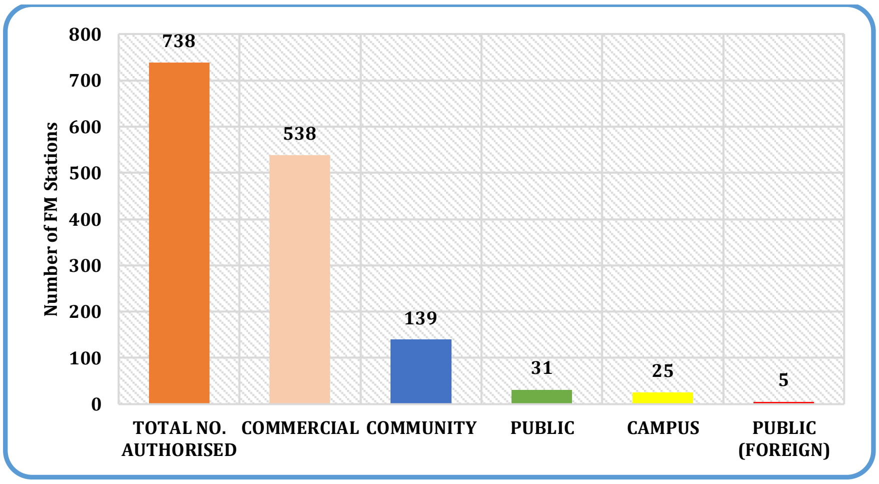

Figure 35: Category by Purpose of Authorised Radio Stations as at Q2 2024

4.2 Authorised Television Stations

The total number of Authorised TV Stations in Ghana at the end of Q2 2024 was 180 out of which 139 were operational during the quarter under review, representing 77.22% of the total number of Authorised TV Stations in the country (Figure 36 & 37) (Appendix A, Table 34 & 35)

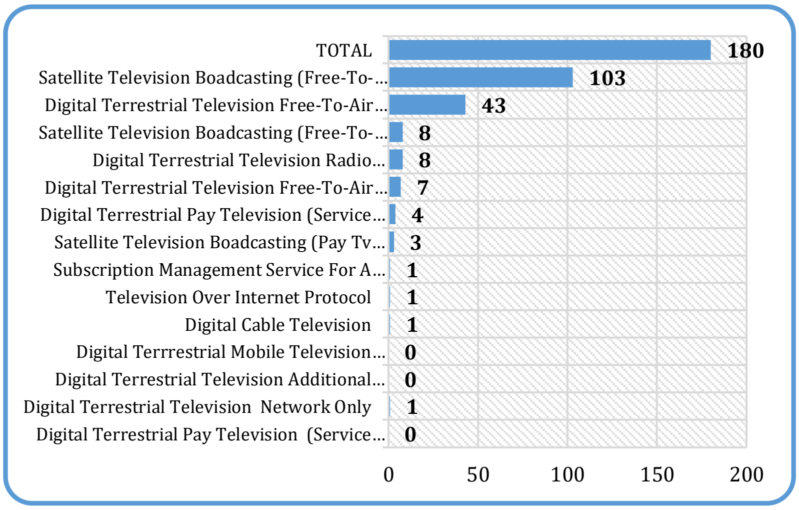

Figure 36: Authorised TV Stations as at Q2 2024

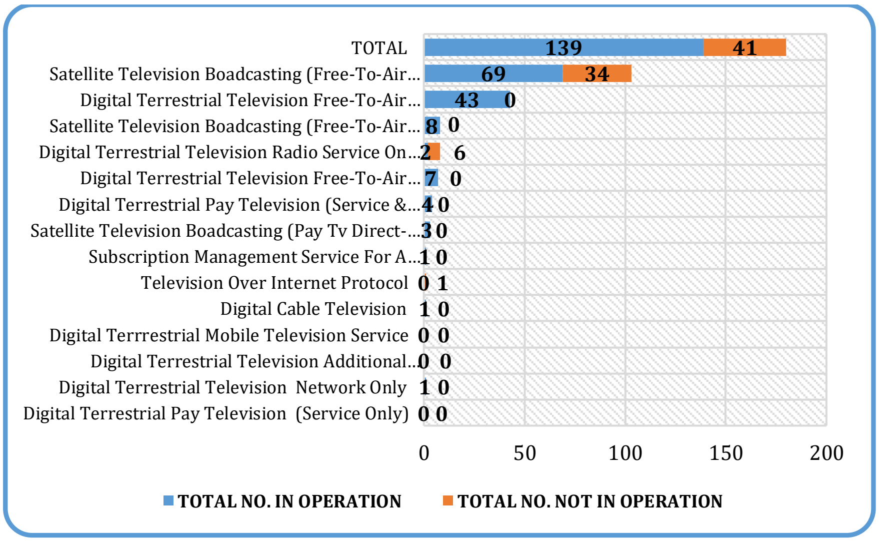

Figure 37: Distribution of Types of TV Services (On-Air and Off-Air TV Stations) as at end of Q2 2024

Appendix A (List of Tables)

Table 1: Mobile Voice Subscriptions and Penetration Rate

Subscription	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Mobile Subscription	34,153,684	32,547,305	33,384,460	34,878,543	37,553,607
Mobile Subscription Growth Rate (%)	-11.08%	-4.70%	2.57%	4.48%	7.67%
Net additions	-4,254,797	-1,606,379.00	837,155	1,494,083	2,675,064
Population	32,099,477	32,264,534	32,429,591	32,594,648	32,759,699
Penetration Rate (%)	**106.40%**	**100.88%**	**102.94%**	**107.01%**	**114.63**

Table 2: Mobile Voice Subscriptions and Market Share per Operator

Mobile Network Operator		Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	Subscriptions	25,164,189	23,345,146	24,652,582	25,900,163	28,318,349
	Market Share (%)	73.68%	71.73%	73.84%	74.26%	75.41%
Telecel	Subscriptions	6,193,870	6,327,342	6,275,415	6,248,863	6,373,676
	Market Share (%)	18.14%	19.44%	18.80%	17.92%	16.97%
AT	Subscriptions	2,795,625	2,874,817	2,456,463	2,729,517	2,861,582
	Market Share (%)	8.19%	8.83%	7.36%	7.82%	7.62%
Total Industry Subscription		**34,153,684**	**32,547,305**	**33,384,460**	**34,878,543**	**37,553,607**

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

Subscription	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Prepaid	33,667,743	32,059,243	32,941,379	34,463,243	37,126,056
Market Share	98.58%	98.50%	98.67%	98.81%	98.86%
Post-paid	485,941	488,062	443,081	415,300	427,551
Market Share	1.42%	1.50%	1.33%	1.19%	1.14%
Total mobile subscription	**34,153,684**	**32,547,305**	**33,384,460**	**34,878,543**	**37,553,607**

Table 4: Machine - to – Machine Subscriptions

Mobile Network Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	692,709	694,589	696,099	721,031	870,853
Telecel	501,330	603,286	655,653	857,965	871,451
AT	2,972	3,685	1,706	3,080	2,964
Total	**1,197,011**	**1,301,560**	**1,353,458**	**1,582,076**	**1,745,268**

Table 5: Devices and Terminals

No	Category of Phones	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
1	Smartphone Devices	20,700,644	18,128,271	20,550,878	18,686,118	20,938,496	21,465,086
	Market Share (%)	52.03%	53.47%	54.16%	54.19%	55.04%	*55.05%*
	Growth (%)	0.36%	-12.43%	13.36%	-9.07%	12.05%	2.51%
2	Feature Phone Devices	14,289,634	11,834,178	12,530,665	11,450,697	11,860,489	11,780,513
	Market Share (%)	35.91%	34.91%	33.02%	33.21%	31.17%	*30.21%*
	Growth (%)	0.59%	-17.18%	5.89%	-8.62%	3.58%	-0.67%
3	Basic Phone Devices	4,797,442	3,938,613	4,862,510	4,347,697	5,246,383	5,744,236
	Market Share (%)	12.06%	11.62%	12.81%	12.61%	13.79%	*14.73%*
	Growth (%)	-7.58%	-17.90%	23.46%	-10.59%	20.67%	9.49%
Total		**39,787,720**	**33,901,062**	**37,944,053**	**34,484,512**	**38,045,368**	**38,989,835**

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

Breakdown of Off-Net Traffic	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Traffic (Mobile to Mobile)	1,790,607,442	1,993,212,728	2,025,958,893	2,019,078,737	1,943,131,873
Share (%)	99.35%	99.39%	99.37%	99.38%	99.35%
Growth (%)	-16.70%	11.31%	1.64%	-0.34%	-3.76%
Traffic (Mobile to Fixed)	11,680,545	12,160,587	12,894,213	12,590,993	12,791,596
Share (%)	0.65%	0.61%	0.63%	0.62%	0.65%
Growth (%)	-3.28%	4.11%	6.03%	-2.35%	1.59%
Total Off-Net Traffic	**1,802,287,986**	**2,005,373,315**	**2,038,853,106**	**2,031,669,730**	**1,955,923,470**

Table 7: Total Domestic Mobile Voice Traffic in Minutes

Traffic	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Traffic (Off-Net)	1,802,287,986	2,005,373,315	2,038,853,106	2,031,669,730	1,955,923,470
Share (%)	7.65%	8.09%	7.76%	7.39%	7.03%
Growth (%)	-16.15%	11.27%	1.67%	-0.35%	-3.74%
Traffic (On-Net)	21,758,954,499	22,788,636,170	24,221,174,621	25,461,814,435	25,875,046,993
Share (%)	92.35%	91.91%	92.24%	92.61%	92.97%
Growth (%)	-2.30%	4.73%	6.29%	5.12%	1.62%
Total traffic	**23,561,242,485**	**24,794,009,485**	**26,260,027,729**	**27,493,484,165**	**27,830,970,463**

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

Traffic	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total mobile voice traffic	23,561,242,485	24,794,009,485	26,260,027,729	27,493,484,165	27,830,970,463
Average Mobile voice subscription	34,427,232	33,043,805	33,174,731	34,254,361	36,560,983
Minutes of Use (MoU) per Subscription	684.38	750.34	791.57	802.63	761.22
MoU growth rate (%)	**9.27%**	**9.64%**	**5.49%**	**1.40%**	**-5.16%**

Table 9: International Traffic

Traffic	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Incoming International Traffic	50,014,259	51,820,393	41,433,562	37,418,879	34,082,512
Growth (%)	-3.11%	3.61%	-20.04%	-9.69%	-8.92%
Outgoing International Traffic	66,131,091	67,111,911	66,062,017	63,299,390	58,553,319
Growth (%)	**-7.49%**	**1.48%**	**-1.56%**	**-4.18%**	**-7.50%**

Table 10: Total Number of Short Messages Services

SMS	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Off-Net SMS	289,331,474	301,039,062	383,606,210	388,333,987	331,768,815
On-Net SMS	607,127,730	573,100,452	581,313,448	554,291,164	462,267,709
Total SMS	896,459,204	874,139,514	964,919,658	942,625,151	794,036,524

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

Mobile Operators	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Off-Net					
MTN	122,133,162	148,915,394	160,524,754	166,466,669	138,725,312
Telecel	155,082,502	141,125,845	216,280,109	215,504,865	185,485,017
AT	11,681,651	10,997,845	6,801,347	6,362,453	7,558,486
Total	**288,897,315**	**301,039,062**	**383,606,210**	**388,333,987**	**331,768,815**
On- net					
MTN	529,070,256	483,733,807	494,182,894	457,869,666	364,035,777
Telecel	76,241,869	88,086,761	86,307,280	95,805,764	97,373,411
AT	1,815,605	1,279,884	823,274	615,734	858,521
Total	**607,127,730**	**573,100,452**	**581,313,447**	**554,291,164**	**462,267,709**
Total					
MTN	651,203,418	632,649,201	654,707,648	624,336,335	502,761,089
Telecel	231,324,371	229,212,606	302,587,389	311,310,629	282,858,428
AT	13,497,256	12,277,707	7,624,621	6,978,187	8,417,007
Total	**896,025,045**	**874,139,514**	**964,919,658**	**942,625,151**	**794,036,524**

Table 12: Average SMS per Subscription

SMS Subscriptions	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total SMS	896,025,045	874,139,514	964,919,658	942,625,151	794,036,524
Average Mobile Subscription	34,427,232	33,043,805	33,174,731	34,254,361	35,607,123
SMS per Subscription	**26.0**	**26.5**	**29.1**	**27.5**	**22.3**

Table 13: Mobile Data Subscriptions and Penetration Rate

Subscription	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Mobile data subscription	22,341,014	22,293,487	23,207,628	24,351,778	24,708,749
Data Subscription Growth Rate (%)	-1.26%	-0.21%	4.10%	4.93%	1.47%
Net Additions	-283,976	-47,527	914,141	1,144,150	356,971
Net Additions Growth Rate (%)	-228%	-117%	1823%	25%	-69.00%
Population	32,099,477	32,264,534	32,429,591	32,594,648	32,759,699
Mobile Data Penetration Rate (%)	69.60%	69.10%	71.56%	74.71%	75.42%

Table 14: Mobile Data Subscriptions (Prepaid/Postpaid)

Mobile Data Subscriptions		Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Prepaid	Subscription	22,138,314	22,086,945	22,996,027	24,140,313	24,492,744
	Market Share	99.09%	99.07%	99.09%	99.13%	99.13%
Post-paid	Subscription	202,700	206,542	211,601	211,465	216,005
	Market Share	0.91%	0.93%	0.91%	0.87%	0.87%
Total mobile data subscriptions		**22,341,014**	**22,293,487**	**23,207,628**	**24,351,778**	**24,708,749**

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

Mobile Network Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	17,468,104	17,627,801	18,675,841	19,601,366	19,890,327
	78.19%	79.07%	80.47%	80.49%	80.50%
Telecel	3,115,983	2,949,685	3,066,359	3,120,886	3,181,152
	13.95%	13.23%	13.21%	12.82%	12.87%
AirtelTigo	1,756,927	1,716,001	1,465,428	1,629,526	1,637,270
	7.86%	7.70%	6.31%	6.69%	6.63%
Total	**22,341,014**	**22,293,487**	**23,207,628**	**24,351,778**	**24,708,749**

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

Mobile Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total Mobile data usage (MB)	445,300,910,914	479,080,573,930	495,939,705,513	511,988,575,879	579,320,191,818

Table 17: Mobile Internet Usage per Subscription (MB)

Mobile Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total Mobile data usage (MB)	445,300,910,914	479,080,573,930	495,939,705,513	511,988,575,879	579,320,191,818
Average Data Subscription	22,625,341	21,878,245	22,637,744	23,649,354	24,703,275
Data Usage per Subscription (MB)	**19,682**	**21,898**	**21,908**	**21,649**	**23,451**

Table 18: Mobile Data Traffic (MB) per Operator

Mobile Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	358,375,826,693	384,202,677,398	397,129,997,454	418,249,540,204	427,208,014,537
	80.48%	80.20%	80.08%	81.69%	79.99%
Telecel	65,598,080,560	73,803,964,062	79,403,282,637	74,642,592,094	85,591,212,100
	14.73%	15.41%	16.01%	14.58%	16.03%
AT	21,327,003,662	21,073,932,470	19,406,425,423	19,096,443,582	21,292,483,044
	4.79%	4.40%	3.91%	3.73%	3.99%
Total Industry Traffic (MB)	**445,300,910,914**	**479,080,573,930**	**495,939,705,513**	**511,988,575,879**	**534,091,709,682**

Table 19: Average Mobile Tariff per Service (GHp)

Tariff	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 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	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Subscription	1,390	1,420	1,431	1,431	1,431
Growth rate (%)	-96.32%	2.16%	0.77%	0.00%	0.00%
Net Additions	-36,395	30	11	0	0
Population	32,099,477	32,264,534	32,429,591	32,594,648	32,759,699
Penetration Rate (%)	**0.004%**	**0.004%**	**0.004%**	**0.004%**	**0.004%**

Table 21: Broadband Volume of Internet Traffic

BWA operator	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Industry Total (MB)	565,704,040	273,671,810	265,489,254	257,225,394	152,982,518	235,167,488

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

BWA Operator	Subscription and Market Share	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Telesol	Subscription	1,390	1,420	1,431	1,431	1,431
	Market share (%)	100.00%	100.00%	100.00%	100.00%	100%
Industry Total		**1,390**	**1,420**	**1,431**	**1,431**	**1,431**

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

BWA Operator		Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Telesol	Data usage (MB)	278,671,810	265,489,254	257,225,394	152,982,518	235,167,488
	Market share (%)	100.00%	100.00%	100.00%	100.00%	100.00%
Industry Total (MB)		**273,671,810**	**265,489,254**	**257,225,394**	**152,982,518**	235,167,488

Table 24: Internet Usage per BWA Subscriptions (MB)

BWA Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total Volume of Data Traffic	273,671,810	265,489,254	257,225,394	152,982,518	235,167,488
Average BWA Subscription	1,647	1,413	1,428	1,431	1,431
Data Usage per Subscription (MB)	**166,164**	**187,846**	**180,088**	**106,906**	164,338

Table 25: Fixed Network Voice Subscriptions and penetration

Fixed Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Telecel	331,080	317,757	316,120	314,143	303,575
	99.30%	99.27%	99.27%	99.18%	99.12%
AT	1,092	1065	933	946	929
	0.33%	0.33%	0.29%	0.30%	0.30%
MTN	1,254	1,271	1,407	1,664	1,776
	0.38%	0.40%	0.44%	0.53%	0.58%
Total industry subscription	333,426	320,093	318,460	316,753	**306,280**
Population	32,099,477	32,264,534	32,429,591	32,594,648	32,759,699
Fixed Network Penetration Rate (%)	**1.04%**	**0.99%**	**0.98%**	**0.97%**	0.93%

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

Traffic	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
On-Net Fixed voice traffic	-	-	-	-	
Off-Net fixed voice traffic	8,235,905	7,983,343	7,268,804	7,038,835	6,990,723
Total Fixed Voice Traffic	**8,235,905**	**7,983,343**	**7,268,804**	**7,038,835**	**6,990,723**

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

Fixed Network (MoU)	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Total Fixed Voice Traffic	8,235,905	7,983,343	7,268,804	7,038,835	6,990,723
Average Fixed Subscription	332,948	323,018	318,658	316,753	306,280
Minutes of Use per Subscription (MoU)	24.736	24.715	22.811	22.222	22.825
Growth Rate	**-5.91%**	**-0.09%**	**-7.70%**	**-2.58%**	**2.71%**

Table 28: Fixed Line Data Subscriptions and Penetration

Fixed Network	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Telecel	78,170	79,057	80,465	80,788	81,473
	72.07%	69.57%	68.86%	67.96%	67.65%
AT	430	915	348	400	405
	0.40%	0.81%	0.30%	0.34%	0.34%
MTN	32,123	33,665	36,047	37,696	38,555
	29.01%	29.63%	30.85%	31.71%	32.01%
Total Fixed data	110,723	113,637	116,860	118,884	120,433
Population	32,099,477	32,264,534	32,429,591	32,594,648	32,759,699
Fixed Data Penetration	**0.34%**	**0.35%**	**0.36%**	**0.36%**	**0.36%**

Table 29: Fixed Line Data Subscriptions per Network Operator

Fixed Network Operator	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Vodafone	78,170	79,057	80,465	80,788	81,473
AT	430	915	348	400	405
MTN	32,123	33,665	36,047	37,696	38555
Total fixed data subscription	**110,723**	**113,637**	**116,860**	**118,884**	120,433

Table 30: Fixed Broadband Subscriptions

Quarter	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
Fixed Broadband Subscription	220,966	218,060	223,278	227,400	231,981

Table 31: Fixed Broadband Subscriptions per Operator

Fixed Broadband Operators	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	145,086	141,112	144,967	148,855	152,817
Telecel	75,880	76,948	78,311	78,545	79,164
AT					
Total	**220,966**	**218,060**	**223,278**	**227,400**	**231,981**

Table 32: Fixed Broadband Traffic

Fixed Broadband Operators	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
MTN	36,495,545,652	50,123,027,895	50,574,572,851	48,318,002,739	52,681,949,607
Telecel	50,752,481,296	50,450,151,547	54,354,961,966	49,929,433,855	48,490,598,437
AT	-	-	-	-	-
Total	**87,248,026,948**	**100,573,179,442**	**104,929,534,817**	**98,247,436,594**	**101,172,548,044**

Table 33: Regional Distribution of FM Stations by Purpose as at the end of Q2 2024

Name of Regions	Public	Public (Foreign)	Community	Campus	Commercial
Ashanti	2	1	23	5	76
Bono	1	0	6	3	49
Bono East	2	0	4	0	25
Ahafo	0	0	3	0	15
Central	2	0	17	4	45
Eastern	2	0	22	1	36
Greater Accra	2	3	14	3	62
Northern	3	0	9	1	32
Savannah	3	0	4	0	7
North East	1	0	3	0	7
Upper East	2	0	10	3	21
Upper West	2	0	10	2	14
Volta	3	0	4	1	37
Oti	1	0	3	0	13
Western	2	1	7	2	74
Western North	3	0	0	0	25
Total	**31**	**5**	**139**	**25**	**538**

Table 34: Regional Distribution of FM Stations as at the end of Q2 2024

Name Of Regions	Authorised FM Stations	FM Stations In Operation
Ashanti	107	82
Bono	59	46
Bono East	31	28
Ahafo	18	12
Central	68	44
Eastern	61	46
Greater Accra	84	71
Northern	45	27
Savannah	14	11
North East	11	3
Upper East	36	26
Upper West	28	20
Volta	44	32
Oti	17	10
Western	86	61
Western North	28	18
Total	**737**	**537**

Table 35: Authorised TV Stations as at the end of Q2 2024

Type of Television Service	Authorised TV Stations		No. of TV Stations in Operation (Q2 2024)	No. of TV Stations not in Operation (Q2 2024)
	End of Q1 2024	End of Q2 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)	0	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)	100	103	69	34
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	**176**	**180**	**139**	**41**

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

- ### Accra, Head Office

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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
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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
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E-mail: complaints.bolgatanga@nca.org.gh

- ### Sunyani Office

National Communications Authority,
House No 83, North Nkwabeng
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- ### Ho Office

National Communications Authority,
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P. O. Box HP1576, Ho, Volta Region
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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

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E-Mail: complaints.koforidua@nca.org.gh

- ### Tamale Office

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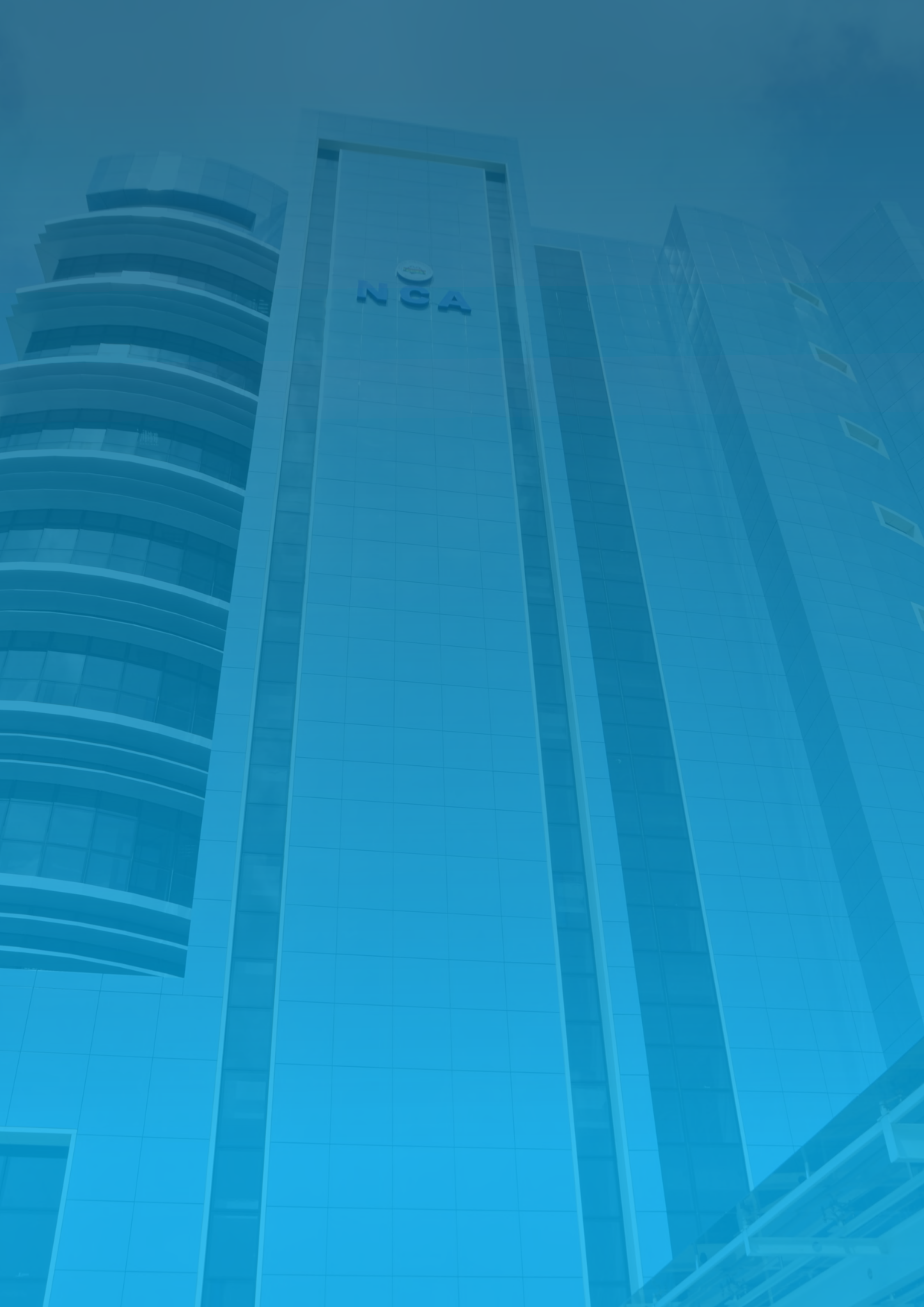
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