

QUARTERLY STATISTICAL BULLETIN ON COMMUNICATIONS IN GHANA

Volume 10 Issue 1

NATIONAL COMMUNICATIONS AUTHORITY

FIRST QUARTER

JANUARY - MARCH, 2025

Communications for Development

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LIST OF ABBREVIATIONS

BWA	Broadband Wireless Access
LTE	Long-Term Evolution
FM	Frequency Modulation
GB	Gigabytes
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
TB	Terabytes

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 data received from various licensees[1]*and authorization holders.*

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 metric is determined by dividing the total SMS count (OnNet and OffNet) for the quarter by the total average number of mobile subscriptions for that quarter.

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

BWA Data Usage per Subscription - This is calculated by dividing the BWA's total traffic for the quarter by its total average 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 voice traffic in minutes 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 assigned for data exchange between devices (cars, smart meters, consumer electronics) that 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 on mobile networks that generated voice traffic (outgoing and / or incoming calls) in the last ninety (90) days**.**

Mobile Data Subscriptions - refers to active mobile data subscriptions to GPRS, EDGE, 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 difference between mobile voice/data subscriptions added to the network and mobile voice/data subscriptions churned from the network 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 compares a current period (month, quarter etc.) to the same period last year.

THE COMMUNICATIONS INDUSTRY AT A GLANCE[2]

Indicator/Period		Q4 20 (Oct – Dec)	Q1 2025 (Jan – Mar)	Quarterly Variation (%)
MOBILE NETWORK SERVICES				
Subscription to Mobile Voice Services	Total Mobile Voice Subscriptions	38,408,712	39,970,301	4.07%
	Machine-to-Machine (M2M) Subscriptions	2,219,207	1,150,732	-48.15%
Mobile Data Subscriptions	Total Mobile Data Subscriptions	26,127,592	26,717,143	2.26%
Mobile Data Traffic	Total Mobile Data Traffic (TB)	756.58	755.27	-0.17%
Mobile Phone Devices	Basic Phones	6,124,118	6,348,477	3.66%
	Feature Phones	10,792,867	10,495,239	-2.76%
	Smartphones	23,236,048	23,685,752	1.94%
DOMESTIC MOBILE TRAFFIC				
Domestic Mobile Voice Traffic (Minutes)	On-Net Voice Traffic	27,011,080,727	26,526,119,974	-1.80%
	Off-Net Voice Traffic	2,348,414,425	2,456,764,721	4.61%
	Mobile to Mobile Off-Net Traffic	2,342,153,840	2,456,182,273	4.87%
	Mobile to Fixed Off-Net Traffic	11,324,045	10,852,564	-4.16%
Domestic Mobile SMS Traffic	SMS On-Net	624,216,669	604,786,300	-3.11%
	SMS Off-Net	483,899,004	705,902,360	45.88%
INTERNATIONAL MOBILE TRAFFIC				
International Mobile Voice Traffic (Minutes)	International Incoming Mobile Voice Traffic	41,448,117	41,329,257	-0.29%
	International Outgoing Mobile Voice Traffic	62,675,957	104,246,439	66.33%
International SMS Traffic	International Incoming SMS	82,309,135	84,659,826	2.86%
	International Outgoing SMS	52,653,871	45,495,121	-13.60%
ROAMING TRAFFIC				
Out-bound Roaming Traffic	Out-bound Roaming Voice Traffic (Minutes)	1,717,343	1,545,562	-10.00%
In-Bound Roaming Traffic	In-bound Roaming Incoming Voice Traffic (Minutes)	11,303	8,408	-25.61%
	In-bound Roaming Outgoing Voice Traffic (Minutes)	8,106,719	12,692,680	56.57%
	In-Bound Roaming Incoming SMS	109,840,492	127,097,540	15.71%
	In-bound Roaming Outgoing SMS	5,471,628	7,383,300	34.94%

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

Indicator/Period		Q4 2024 (Oct – Dec)	Q1 2025 (Jan – Mar)	Quarterly Variation (%)
FIXED NETWORK SERVICES				
Fixed Voice Subscriptions	Total Fixed Line Subscriptions	269,356	267,881	-0.55%
Domestic Fixed Voice Traffic (Minutes)	Fixed-to-Mobile	5,815,131	5,877,397	1.07%
Fixed Data and Broadband Subscriptions and Traffic	Total Fixed Line Data Subscriptions	126,742	133,872	5.63%
	Fixed Broadband Subscriptions	221,153	227,350	2.80%
	Fixed Broadband Traffic (TB)	114,657	112,174	-2.16%
BROADCASTING SERVICES				
Authorised TV Stations		181	184	1.66%
Operational TV Stations		133	134	0.75%
Licensed FM Stations		805	769	-4.47%
Operational FM Stations		549	523	-4.74%
CATEGORIES OF AUTHORISED FM STATIONS				
Commercial FM Stations		583	556	-4.63%
Public FM Stations		31	31	0.00%
Public (Foreign) FM Stations		5	5	0.00%
Community FM Stations		161	156	-3.11%
Campus FM Stations		25	24	-4.00%
BROADBAND WIRELESS ACCESS SERVICES (BWAs)				
Broadband Wireless Access Subscriptions		1,454	1,454	0.00%
Broadband Wireless Access Data Traffic (TB)		170	142	-16.93%
PENETRATION RATE (%)				
Mobile Voice Subscriptions		116.07	120.19	4.12
Mobile Data Subscriptions		78.96	80.34	1.38
Fixed Voice Subscriptions		0.81	0.81	0
Fixed Data Subscriptions		0.38	0.4	0.02
Broadband Wireless Access (BWA) Subscriptions		0.004	0.004	0

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 January – March 2025 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, Average Revenue per User and Short Messages Services.

1.1 Mobile Voice Subscriptions and Penetration Rate[3]

The Mobile Voice subscriptions in the country increased from 38.41 million in Q4 2024 to 39.97 million at the end of Q1 2025, representing a growth of 4.07%.

Year-on-Year subscriptions also increased from 34.88 million at the end of Q1 2024 to 39.97 million at the end of Q1 2025, recording a growth rate of 14.60%.
The penetration rate at the end of the quarter under review was 120.19% as compared to 116.07% recorded in Q4 2024, indicating an increase by 4.12% growth rate (Figure 1) (Appendix A, Table 1).

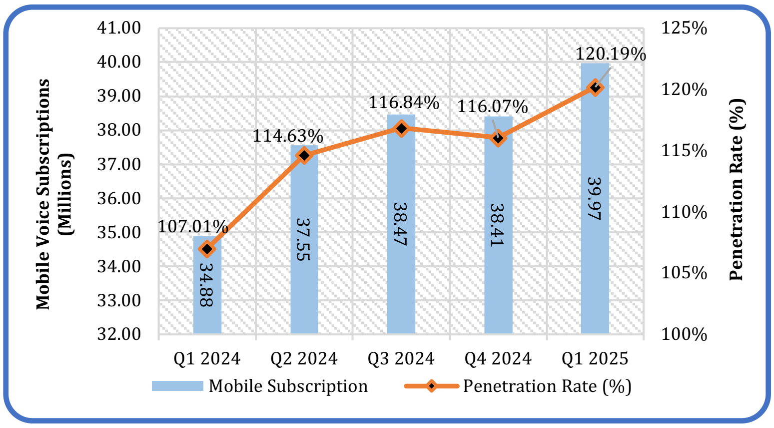

Figure 1: Mobile Voice Subscription and Penetration Rate

1.1.1 Mobile Voice Subscriptions and Market Share per Operator

At the end of Q1 2025, MTN had a market share of 73.86% with 29.52 million subscriptions.
Telecel followed with 7.29 million subscriptions (18.26%). AT ended the quarter under review with a market share of 7.89% with a subscription base of 3.15 million (Figure 2) (Appendix A, Table 2).

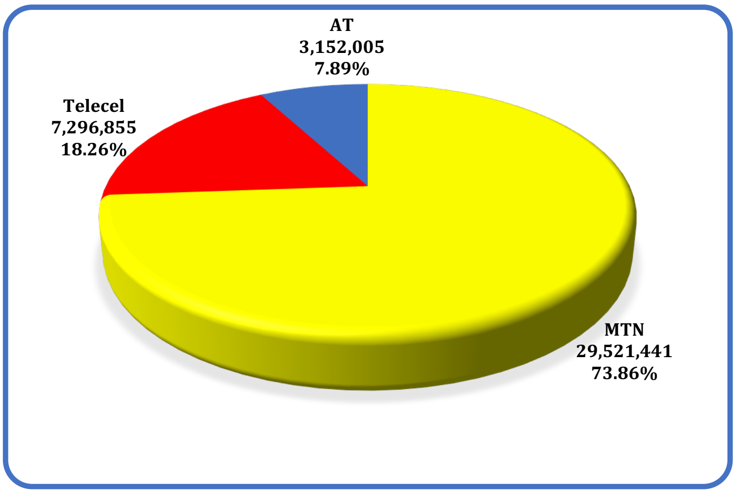

Figure 2: Market Share per Operator

[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's market share declined by 0.10% from 73.96% in Q4 2024 to 73.86% in Q1 2025. Telecel had a growth of 0.12% from 18.14% in Q4 2024 to 18.26% in Q1 2025. AT's market share however remained same at 7.89% in Q1 2025, though the number of AT's mobile subscriptions increased marginally (120,406) compared to the other MNOs at the end of Q1 2025.

1.1.3 Prepaid and Postpaid Mobile Voice Subscriptions

Prepaid voice subscriptions were 39.52 million representing a market share of 98.88%, whilst Postpaid subscriptions at the end of the quarter under review was 0.41 million with a market share of 1.12%. (Figure 3) (Appendix A, Table 3).

Prepaid voice subscriptions increased from 37.99 million at the end of Q4 2024 to 39.52 million at the end of Q1 2025 representing an increase of 4.02%.
Postpaid voice subscriptions also increased from 0.41 million in Q4 2024 to 0.45 million in Q1 2025 representing an increase in growth by 8.31%.

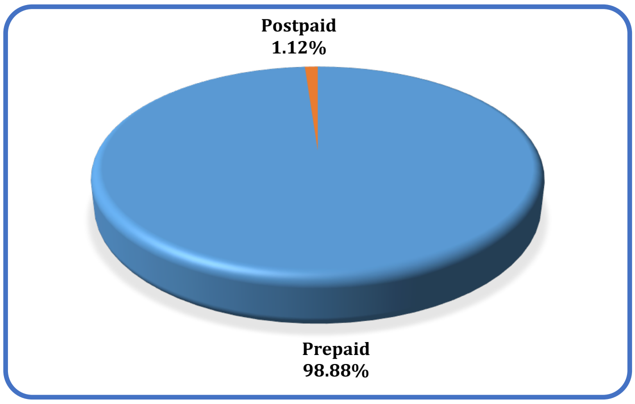

Figure 3: Prepaid and Postpaid Mobile Voice Subscriptions

1.2 Domestic Voice Traffic

1.2.1 On-Net Domestic Voice Traffic

On-Net Domestic Mobile Voice Traffic decreased from 27.01 billion minutes in the previous quarter to 26.53 billion minutes at the end of Q1 2025, representing a decline of 1.26%.

Year-on-Year On-Net Domestic Mobile Voice Traffic also increased from 25.46 billion minutes in Q1 2024 to 26.53 billion minutes at the end of Q1 2025 representing a 5.45% increase in growth rate. (Figure 4) (Appendix A, Table 4)

1.2.2 Off-Net Domestic Voice Traffic

Mobile-to-Mobile Off-Net Traffic increased from 2.34 billion minutes at the end of Q4 2024 to 2.46 billion at the end of Q1 2025, recording a growth of 4.87%.

Year-on-Year Mobile-to-Mobile Off-Net Traffic increased from 2.02 billion minutes at the end of Q1 2024 to 2.46 billion minutes at the end of Q1 2025, recording an increase in growth by 21.65%.

Quarter-on-Quarter Mobile-to-Fixed Off-Net Traffic decreased from 11.32 million minutes in Q4 2024 to 10.85 million minutes at the end of Q1 2025, indicating a 4.16% decrease in growth rate.

Year-on-Year Mobile-to-Fixed Off-Net Traffic decreased by 13.81% from 12.59 million minutes at the end of Q1 2024 to 10.85 million minutes at the end of Q1 2025. (Figure 4) (Appendix A, Table 4)

In the quarter under review, Off-Net Domestic Mobile Voice Traffic increased from 2.35 billion minutes at the end of Q4 2024 to 2.47 billion minutes at the end of Q1 2025, recording a growth rate of 4.83%.

Year-on-Year Off-Net Domestic Mobile Voice Traffic increased from 2.03 billion minutes in Q1 2024 to 2.47 billion minutes at the end of Q1 2025 representing a 21.43% growth rate.

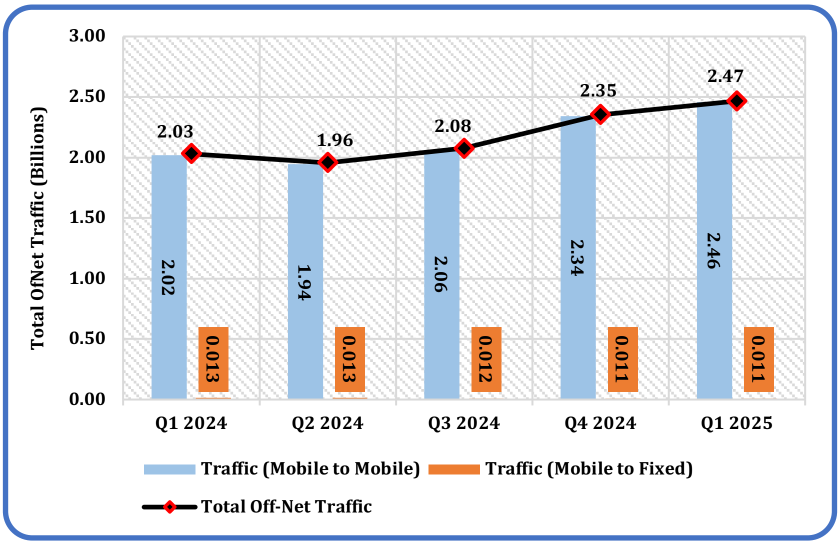

Figure 4: Off-Net Traffic Distribution between Mobile and Fixed Networks

1.2.3 Total Domestic Mobile Voice Traffic

Total Domestic Mobile Voice Traffic declined by 1.26% from 29.36 billion minutes in Q4 2024 to 28.99 billion minutes in Q1 2025.

Year-on-Year Total Domestic Mobile Voice Traffic increased from 27.49 billion minutes at the end of Q1 2024 to 28.99 billion minutes at the end of Q1 2025, representing a significant growth rate of 5.45%. (Figure 5) (Appendix A, Table 4)

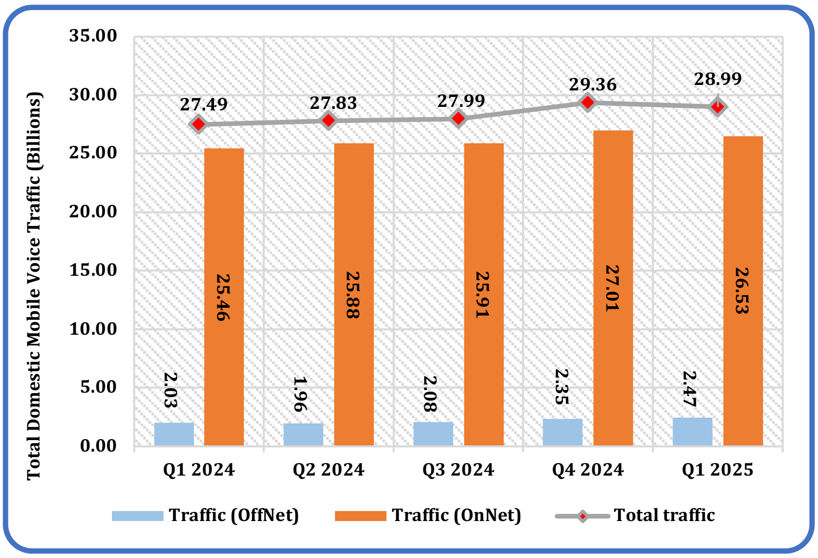

Figure 5: Total Domestic Mobile Voice Traffic in Billions of Minutes

1.2.4 International Traffic

Inbound International Traffic decreased by 0.29% from 41.45 million minutes in Q4 2024 to 41.33 million minutes in Q1 2025.

Year-on-Year Inbound International Traffic also increased by 10.45% from 37.42 million minutes in Q1 2024 to 41.33 million minutes in Q1 2025.

Quarter-on-Quarter Outbound International Traffic showed an increase in growth by 66.33% from 62.68 million minutes in Q4 2024 to 104.25 million minutes in the quarter under review.

Year-on-Year Outbound International Traffic showed a 64.69% increase in growth from 63.30 million in Q1 2024 to 104.25 million in Q1 2025. (Figure 6) (Appendix A, Table 5)

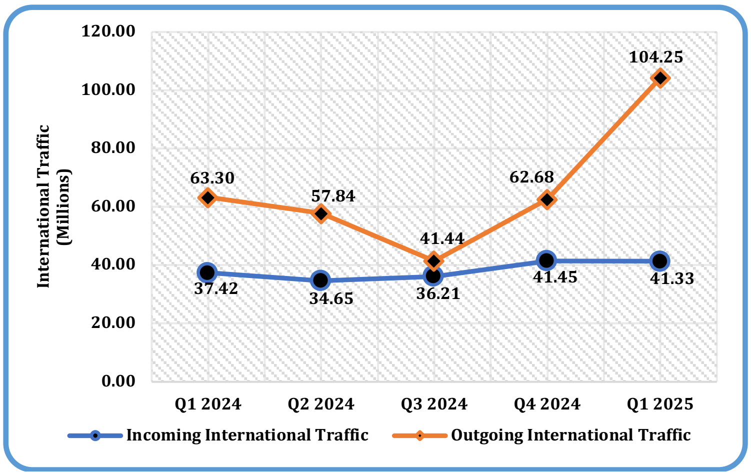

Figure 6: International Traffic in Millions of Minutes

1.2.5 Minutes of Use (MoU)

Quarter-on-Quarter average minutes of use per subscription decreased from 759.28 minutes in Q4 2024 to 733.02 minutes representing 3.46% decline in growth recorded at the end of Q1 2025.

Minutes of use per subscription recorded in the same period of 2024 also decreased from 804.48 minutes to 733.02 minutes in Q1 2025, recording a reduction in growth by 8.88%. (Figure 7) (Appendix A, Table 6).

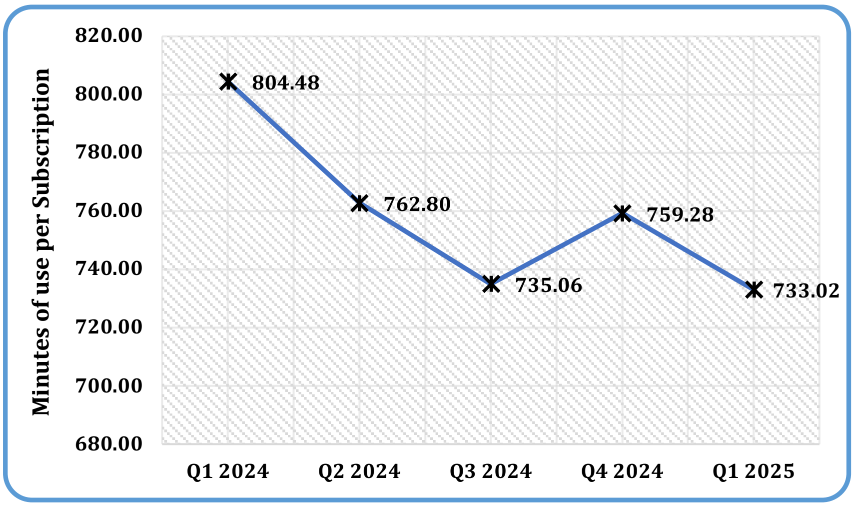

Figure 7: Mobile Voice Traffic Minutes of Use (MoU) per subscription

1.3 Short Message Services (SMS)

The total number of Short Message Services (SMS) sent at the end of Q1 2025 was 1.31 billion as compared to 1.11 billion in Q4 2024, recording an increase in growth by 18.27%.

Year-on-Year total SMS Counts also increased from 0.94 billion in Q1 2024 to 1.31 billion at the end of Q1 2025 representing an increase in growth rate by 39.04%. (Figure 8) (Appendix A, Table 7)

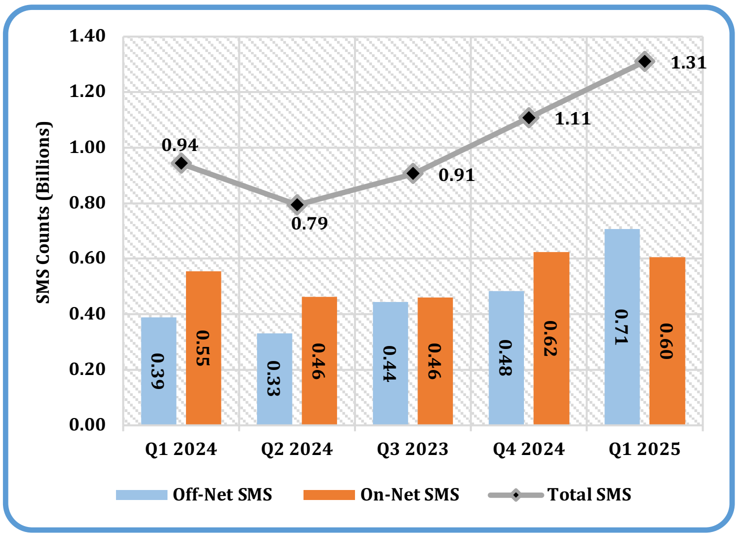

Figure 8: Total Number of SMS in Million

1.3.1 SMS Counts per Operator

The volume of SMS traffic originating from MTN was 576.25million at the end of Q1 2025, representing a market share of 43.97% of the total SMS count.

The volume of SMS traffic from Telecel was 721.16 million, representing a market share of 55.02% of the total SMS count.

AT had an SMS count of 13.27 million, representing 1.01% of the market share of the total SMS count. (Figure 9) (Appendix A, Table 8).

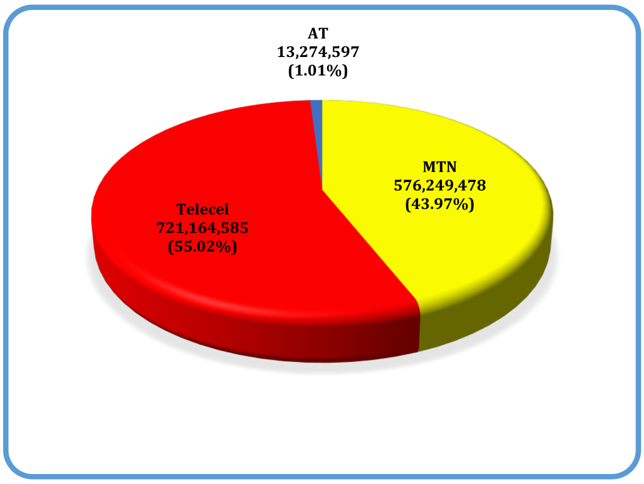

Figure 9: SMS Counts Market Share per Operator

1.3.2 SMS per Subscription

Quarter-on-Quarter SMS sent per subscription at the end of Q1 2025 was 33 SMS, indicating a 15.48% increase in SMS per subscription as compared to the end of Q4 2024 (29). (Figure 10) (Appendix A, Table 9).

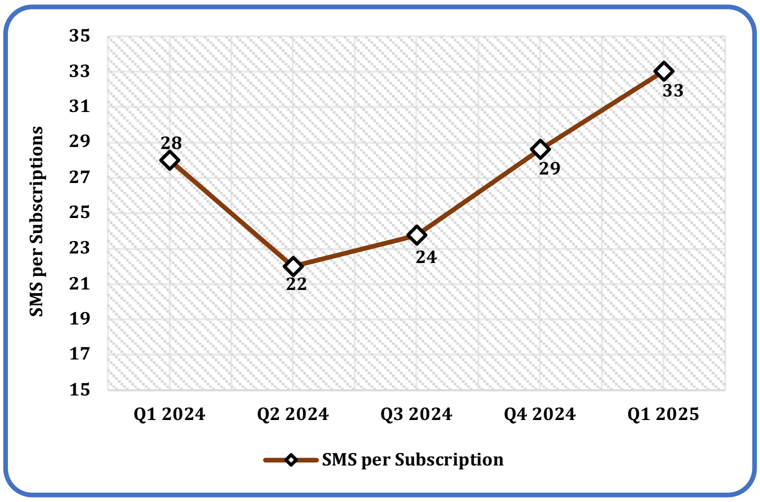

Figure 10: SMS per Subscription

1.4 Mobile Data Subscriptions and Penetration Rate (%)

At the end of Q1 2025, Mobile Data Subscriptions increased by 2.26% from 26.13 million at the end of Q4 2024 to 26.72 million.

Year-on-Year subscriptions also increased by 9.71% from 24.35 million at the end of Q1 2024 to 26.72 million at the end of Q1 2025. The penetration rate as at the end of Q1 2025 was 80.34%. (Figure 11) (Appendix A, Table 10).

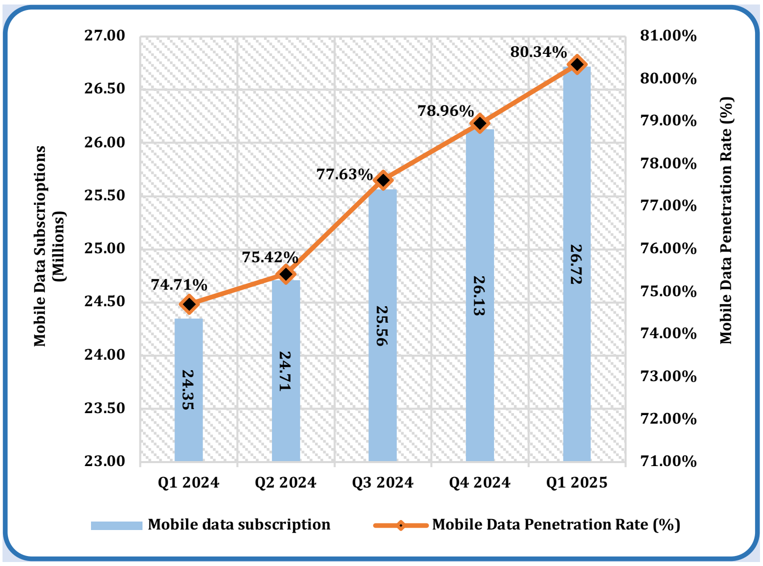

Figure 11: Mobile Data Subscriptions in Millions and Penetration Rate (%)

1.4.1 Machine-to-Machine Subscriptions

The Machine-to-Machine mobile subscriptions (M2M) increased to 2.84 million in Q1 2025 from 2.22 million recorded in the preceding quarter, indicating growth of 27.77%.

Year-on-Year subscriptions increased by 79.23% from 1.58 million in Q1 2024 to 2.84 million in Q1 2025 (Figure 12) (Appendix A, Table 11).

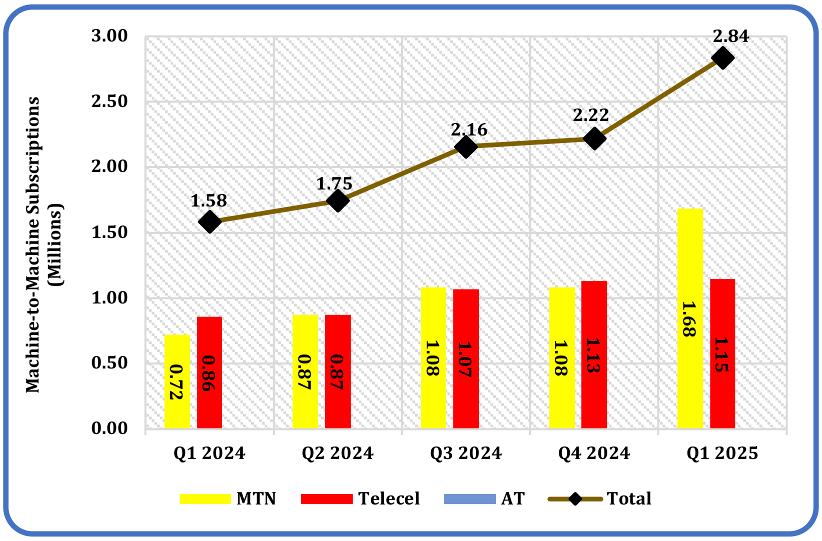

Figure 12: Machine-to-Machine (M2M) Subscriptions

1.4.2 Mobile Data Prepaid and Postpaid Subscriptions

Mobile Data Prepaid subscriptions increased from 25.91 million at the end of Q4 2024 to 26.49 million subscriptions at the end of Q1 2025, representing a market share of 99.15% of the total Mobile Data subscriptions.

Mobile Data Postpaid subscriptions also increased from 218,526 at the end of Q4 2024 to 226,826 at the end of Q1 2025 representing a market share of 0.85% of the total Mobile Data subscriptions. (Figure 13) (Appendix A, Table 12).

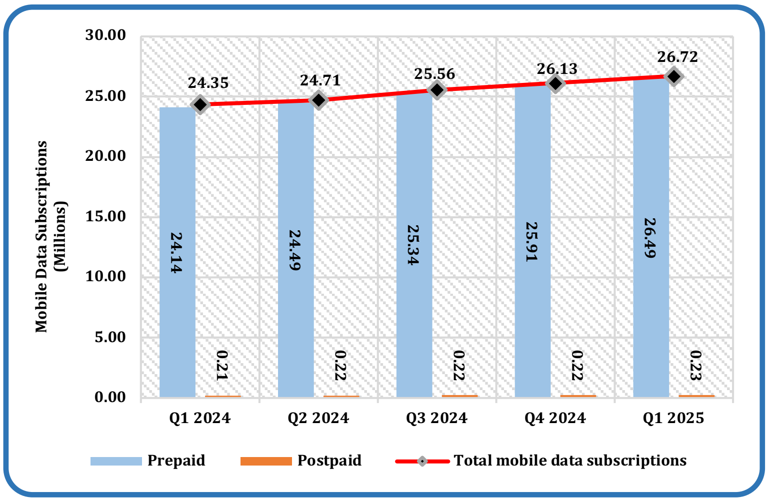

Figure 13: Mobile Data Pre-paid and Post-paid Subscriptions

1.4.3 Mobile Data Subscription per Operator

MTN recorded 21.12 million subscriptions, which represents 79.05% of the market, while Telecel recorded 3.98 million subscriptions with a 14.91% share of the market during the quarter under review. AT also had 1.61 million in mobile data subscriptions with a 6.04% share of the market at the end of Q1 2025. (Figure 14) (Appendix A, Table 13)

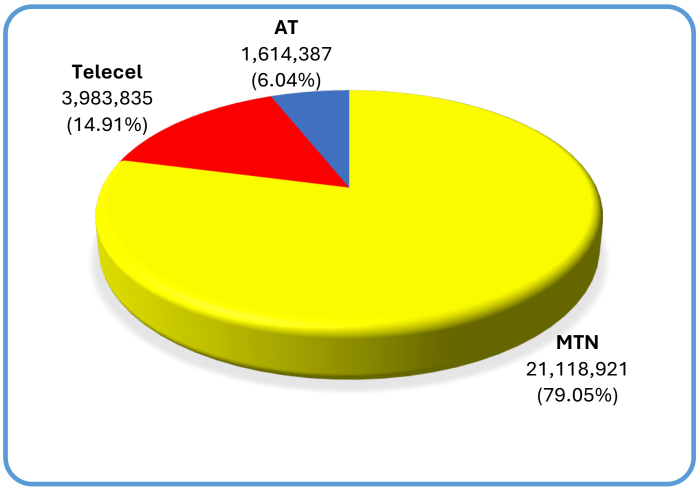

Figure 14: Mobile Data Market Share per Operator

1.4.4 Mobile Data Traffic

At the end of Q1 2025, mobile data traffic generated by the operators was 755,267 TB, recording a decline in growth by 1.05% as compared to 763,256 TB at the end of Q4 2024.

Year-on-Year mobile data traffic increased from 511,989 TB at the end of Q1 2024 to 755,267 TB at the end of Q1 2025, representing an increase of 47.52%.
(Figure 15) (Appendix A, Table 14).

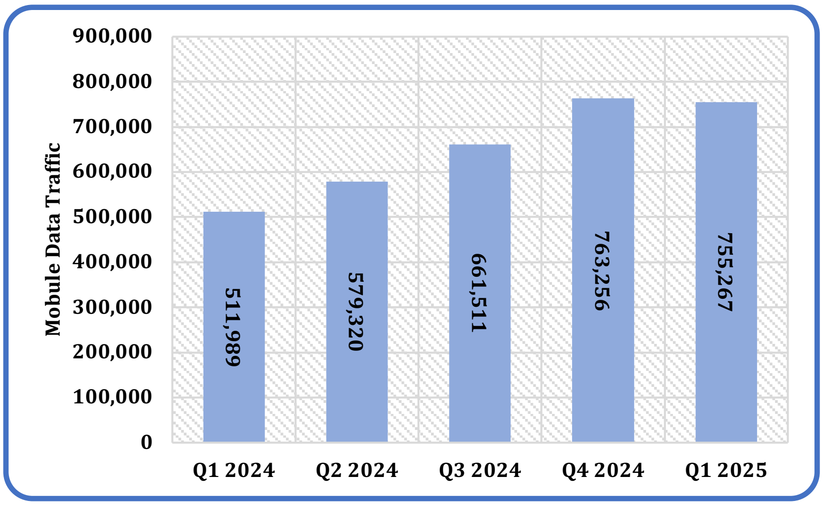

Figure 15: Mobile Data Traffic in Millions of Terabytes (TB)

1.4.5 Mobile Data Usage per Subscription [4]

Mobile Data Usage per subscription decreased from 0.02946 TB at the end of Q4 2024 to 0.02863 TB at the end of Q1 2025 recording a decline of 2.82%.

Year-on-Year mobile data usage per subscription however increased from 0.021649 TB at the end of Q1 2024 to 0.028632 TB at the end of Q1 2025, recording a growth of 32.26% (Figure 16) (Appendix A, Table 15).

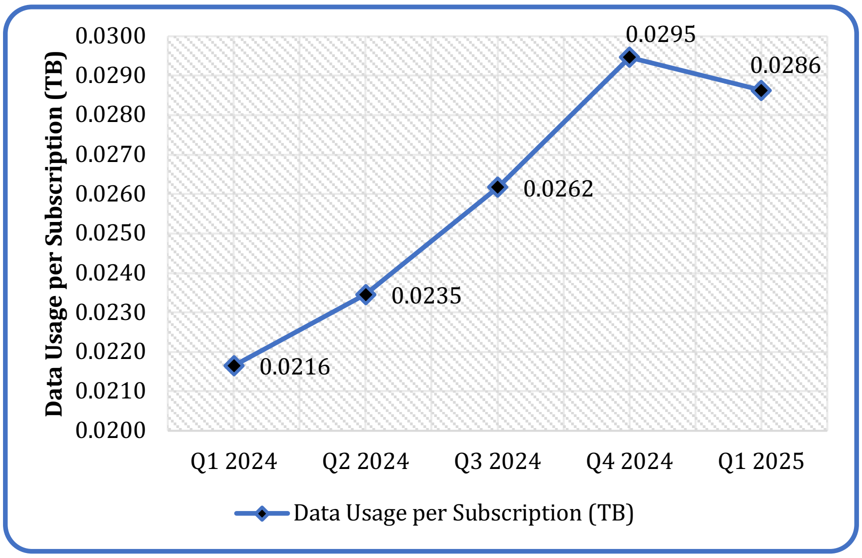

Figure 16: Mobile Data Usage per Subscription (TB)

1.4.6 Mobile Data Traffic per Operator

MTN generated the highest volume of mobile data traffic, 621,575 TB with a market share of 82.30%. Telecel followed with a traffic volume of 111,488 TB with a market share of 14.76%. AT also had 22,204 TB volume of data, recording a market share of 2.94%. (Figure 17) (Appendix A, Table 16)

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

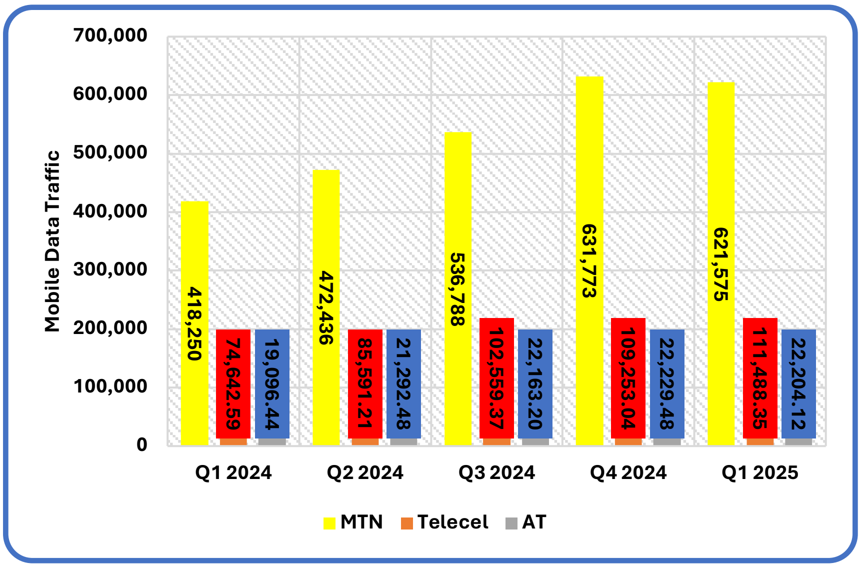

Figure 17: Mobile Internet Traffic (TB) per Operator

1.5 Mobile Telecommunications Service Tariffs

Quarter-on-Quarter average default tariffs for Off-Net mobile voice was GHS 0.14 at the end of Q1 2025. Average default tariffs for On-Net mobile voice were also GHS 0.14. Average default tariffs for both Off-Net and On-Net SMS stood at GHc 0.06. The average default data tariffs for the quarter under review was GHS 0.14. (Figure 19)(Appendix A, Table 19).

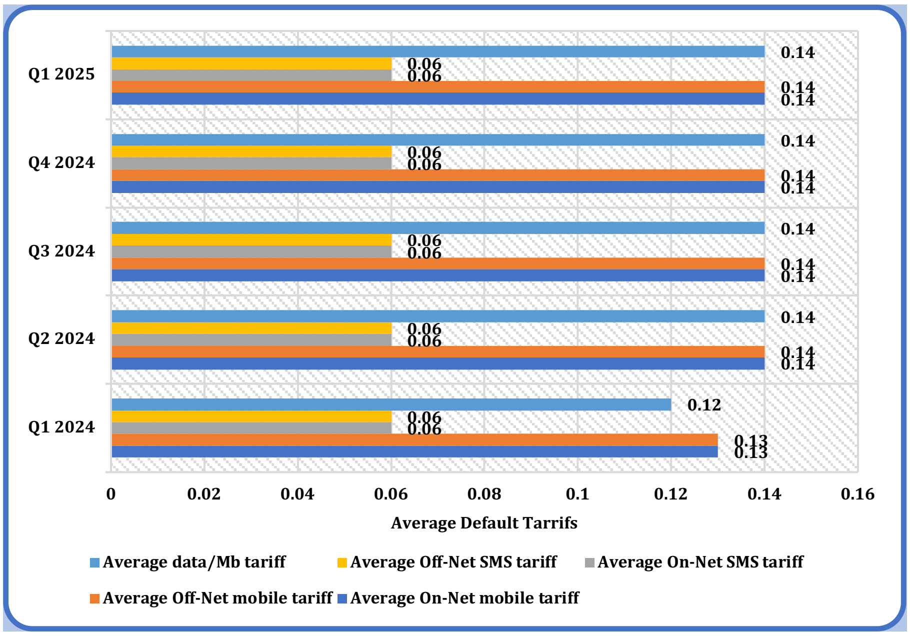

Figure 18: Average Mobile Tariffs per Service

1.6 Devices and Terminals

At the end of Q1 2025, 40.53 million devices were connected to MTN and AT (excluding Telecel) network. This shows an increase of 0.94% (376,435) in the use of devices as compared to 40.15 million recorded in Q4 2024.

Out of the 40.53 million devices connected at the end of Q1 2025, 38.99 million were connected to MTN network which represent 96.17% of the total devices connected, whilst 1.55 million devices were connected to AT's mobile network representing 3.83% of the total devices connected. (Telecel did not provide data on this indicator during the period under review)

Year-on-Year analysis shows that active devices connected to mobile networks increased by 6.53% from 38.05 million in Q1 2024 to 40.53 million during the quarter under review. (Figure 19) (Appendix A, Table 18).

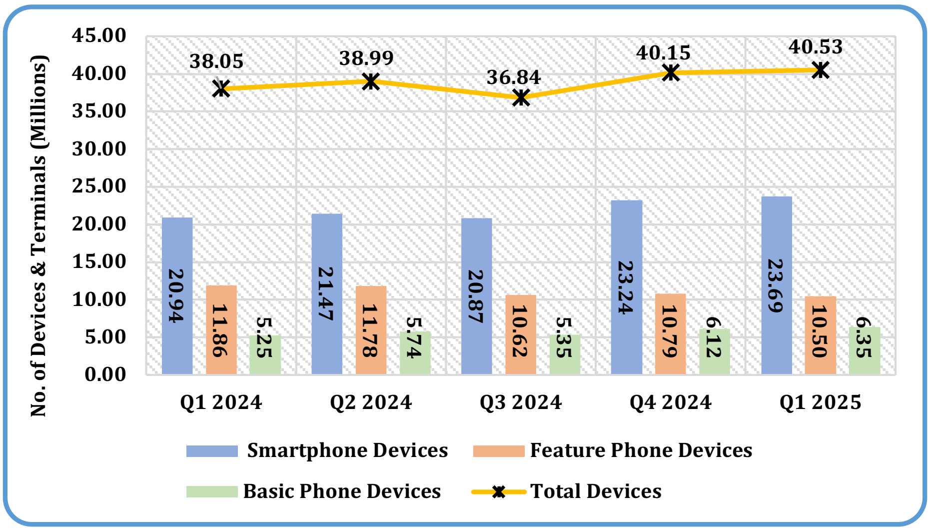

Figure 19: Devices and Terminals

As the end of Q1 2025, out of the 40.53 million devices connected, 58.44% (23,685,752) were Smartphones, 25.90% (10,495,239) were Feature phones and 15.66% (6,348,477) were Basic phones. (Figure 5) (Appendix A, Table 5).

2.0 BROADBAND WIRELESS ACCESS (BWA)

As at Q1 2025, Telesol is the only entity that have deployed LTE to provide Broadband Wireless Access services and thus submitted data for this report.

2.1 BWA Subscriptions and Penetration Rate

BWA subscriptions in the country remained same at 1,454 subscriptions at the end of Q1 2025, as previously recorded at the end of Q4 2024.

Year-on-Year subscriptions increased by 1.61% from 1,431 in Q1 2024 to 1,454 at the end of Q1 2025. Penetration rate for Broadband Wireless Access was 0.004% at the end of Q1 2025. (Figure 20) (Appendix A, Table 19).

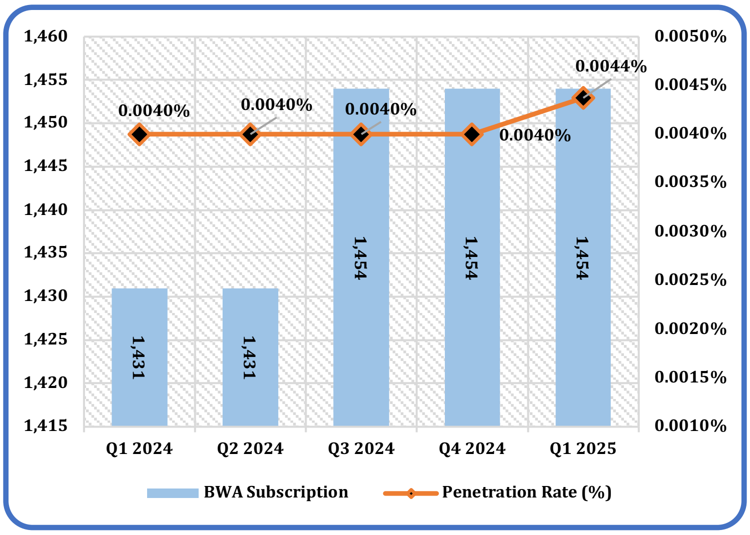

Figure 20: BWA Subscription and Penetration Rate

2.1.1 Subscriptions per Broadband Wireless Access (BWA) per Operator

As at the end of Q1 2025, BWA subscriptions for Telesol stood at 1,454 representing a market share of 100%. (Figure 21) (Appendix A, Table 20).

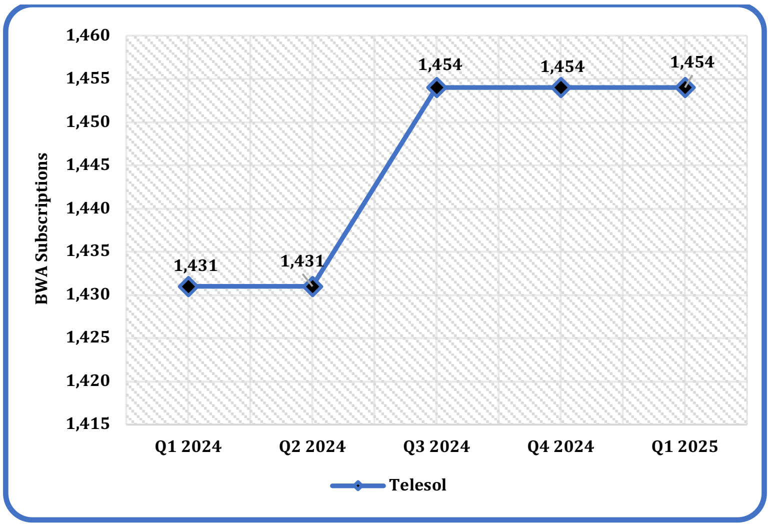

Figure 21: Subscriptions per Broadband Wireless Access (BWA) Operator

2.2 Broadband Wireless Access (BWA) Volume of Data Traffic

The total volume of data traffic generated by the BWAs decreased from 170.49 TB at the end of Q4 2024 to 141.62 TB at the end of Q1 2025 recording a decline of 16.93%.

Year-on-Year data traffic generated by the BWA(s) also decreased from 152.98 TB at the end of Q1 2024 to 141.62 TB at the end of Q1 2025, representing a decline in growth by 7.43%. (Figure 22) (Appendix A, Table 21).

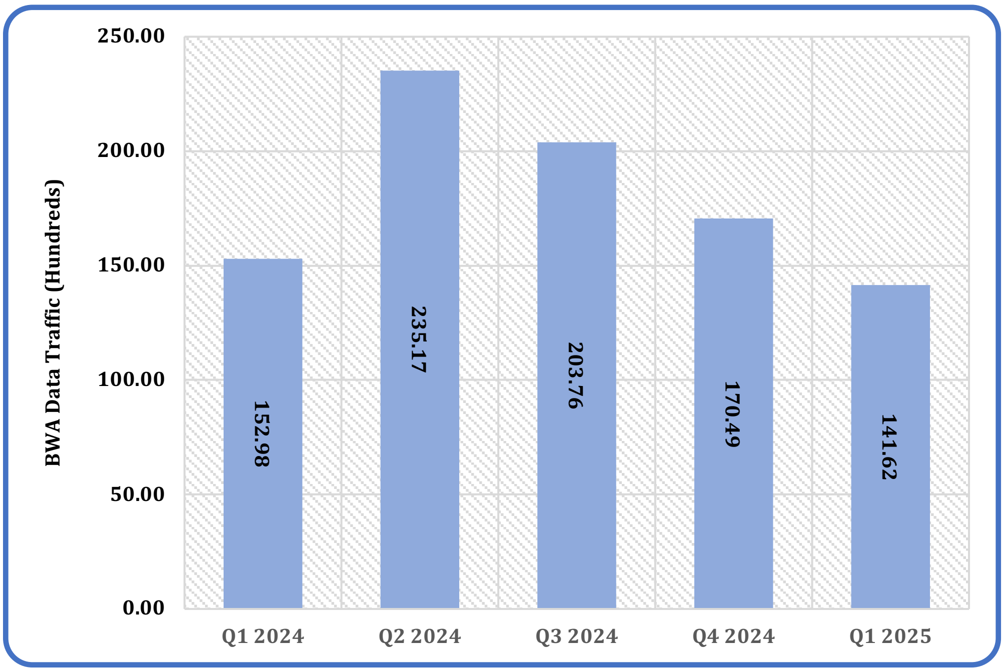

Figure 22: BWA Data Traffic (TB)

2.2.1 Volume of BWA Traffic per Operator

Telesol's total volume of data traffic for the quarter under review was 141.63 TB with a market share of 100.00%. (Figure 23) (Appendix A, Table 22).

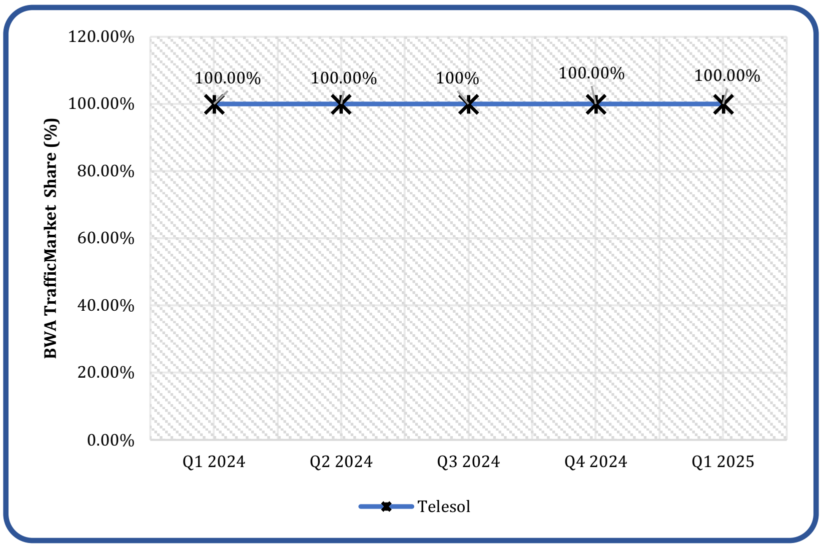

Figure 23: BWA Traffic Market Share per Operator (TB)

2.2.2 Data Usage per BWA Subscription[5]

Data usage per BWA subscription decreased from 0.117 TB in Q4 2024 to 0.097 TB in Q1 2025, representing a negative growth of 16.93%.

Year-on-Year data usage per subscription also declined by 39.26% from 0.160 TB in Q1 2024 to 0.097 TB at the end of Q1 2025 (Figure 24) (Appendix A, Table 23).

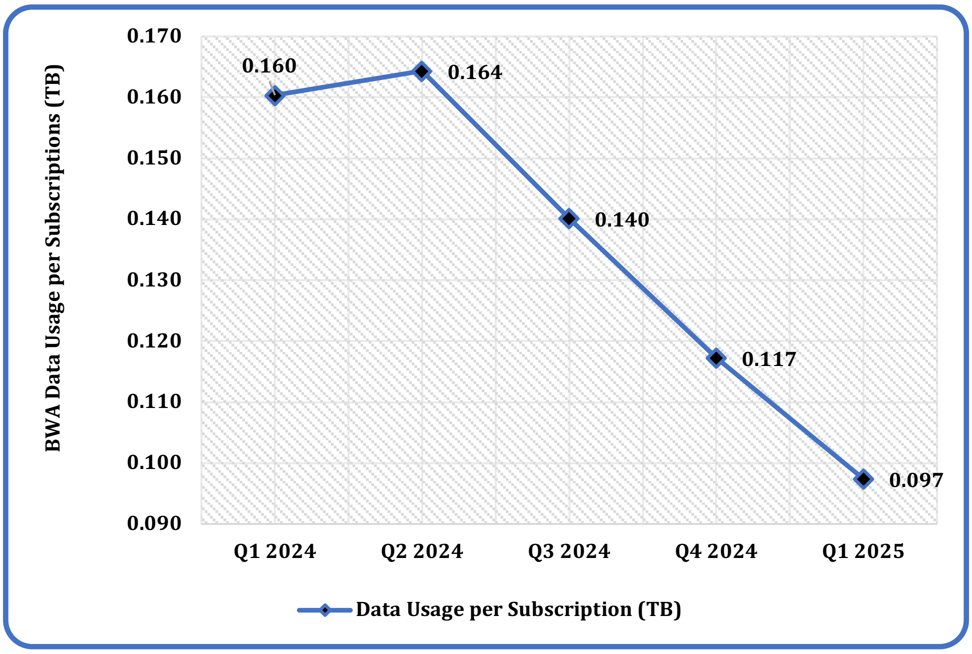

Figure 24: Data Usage per BWA Subscription (TB)

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 0.55% from 269,356 in Q4 2024 to 267,881 at the end of Q1 2025 with a penetration rate of 0.81%.

Year-on-Year subscription decreased from 316,753 in Q1 2024 to 267,881 at the end of Q1 2025, representing a negative growth rate of 15.43% (Figure 25) (Appendix A, Table 24).

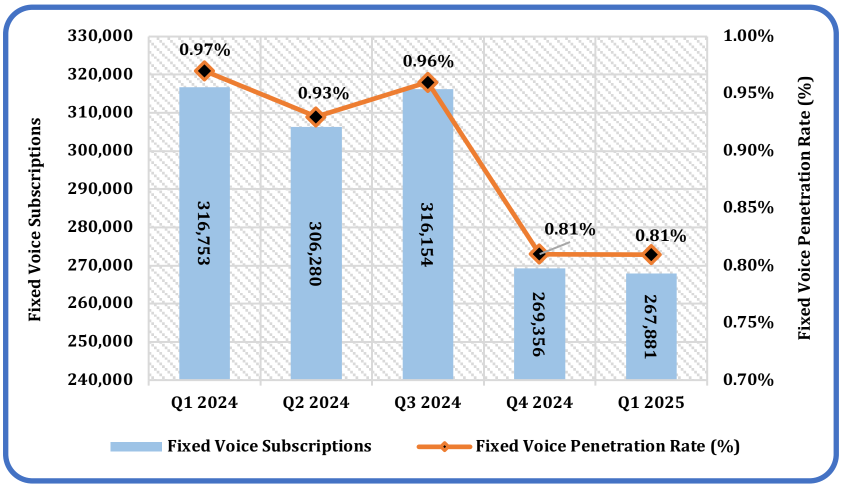

Figure 25: Fixed Network Voice Subscription and Penetration Rate

3.2 Fixed Voice Traffic

Total Fixed Voice Traffic recorded an increase of 11.86% from 5.82 million minutes in Q4 2024 to 6.50 million minutes in Q1 2025.

Year-on-Year Total Fixed Voice Traffic however decreased by 7.59%, from 7.04 million minutes in Q1 2024 to 6.50 million minutes in Q1 2025. (Figure 26) (Appendix A, Table 25).

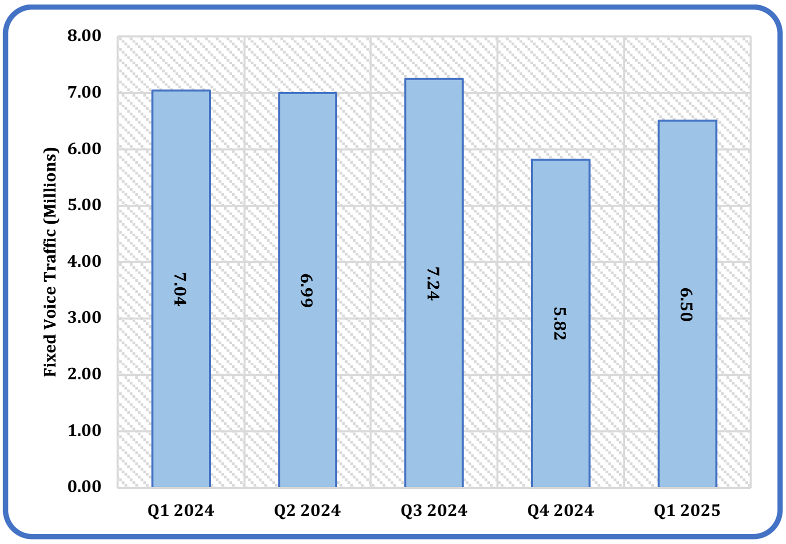

Figure 26: Total Fixed Voice Traffic

3.3 Fixed Voice Minute of Use[6]

Fixed Voice Traffic per subscription increased by 0.35% from 21.59 minutes in Q4 2024 to 24.21 minutes at the end of Q1 2025.

Year-on-Year minutes of use per subscription grew by 8.95% from 22.22minutes in Q1 2024 to 24.21 minutes at the end of Q1 2025 (Figure 27) (Appendix A, Table 26).

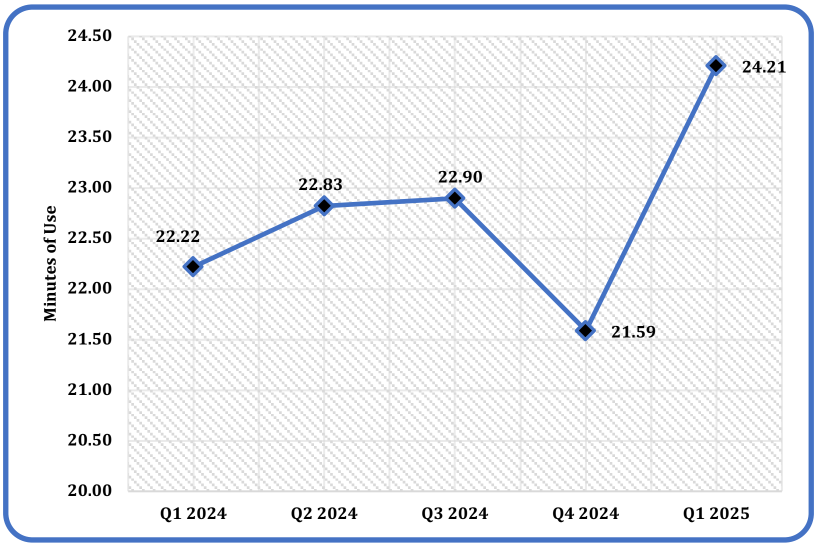

Figure 27: Fixed Network Minute of Use

3.4 Fixed Line Data Subscriptions and Penetration Rate

Fixed Line Data subscriptions went up from 126,742 in Q4 2024 to 133,872 in the quarter under review, representing a growth rate of 5.63%.

Year-on-Year Fixed Data subscriptions increased by 12.61% from 118,884 in the preceding year to 133,872 at the end of Q1 2025. Fixed Data penetration rate at the end of Q4 2024 was 0.40%. (Figure 28) (Appendix A, Table 27).

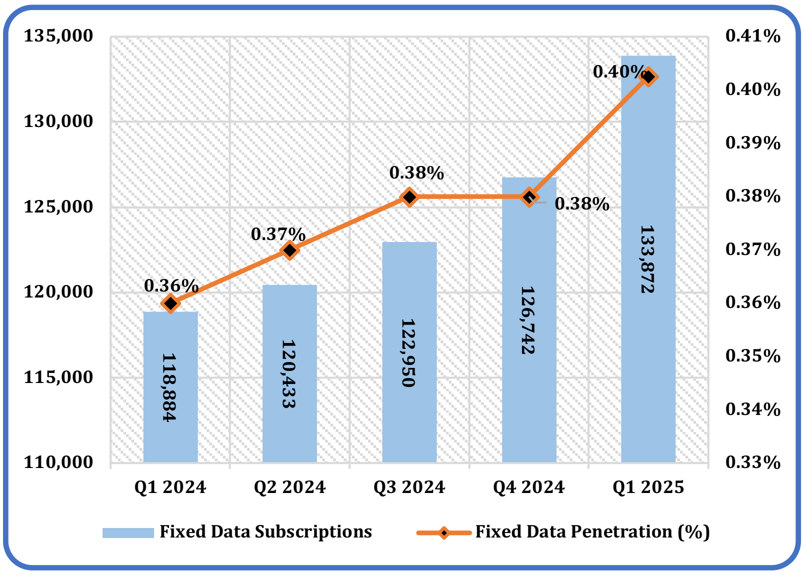

Figure 28: Fixed Data Subscriptions and Penetration

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 Fixed Data subscriptions at the end of Q1 2025 was 85,284 representing 63.71% of the market share as against 84,307 in Q4 2024.

MTN's Fixed Data subscriptions at the end of Q1 2025 was 48,225 representing 36.02% of the market share as compared to 42,041 in Q4 2024.

AT recorded 363 Fixed Data subscriptions at the end of Q1 2025 with a market share of 0.27% as compared to 394 subscriptions in the previous quarter. (Figure 29) (Appendix A, Table 28).

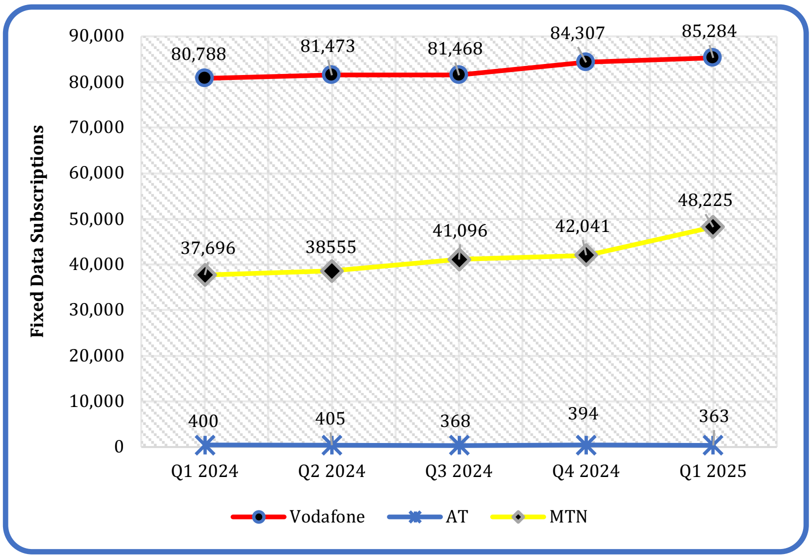

Figure 29: Fixed Data Subscription per Operator

3.6 Fixed Broadband Subscriptions

The Total Fixed Broadband subscriptions in the country grew by 2.80% from 221,153 subscriptions at the end of Q4 2024 to 227,350 subscriptions during the period under review.

Year-on-Year Fixed Broadband subscriptions decreased marginally by 0.02% from 227,400 subscriptions at the end of Q1 2024 to 227,350 subscriptions at the end of Q1 2025. (Figure 30) (Appendix A, Table 29).

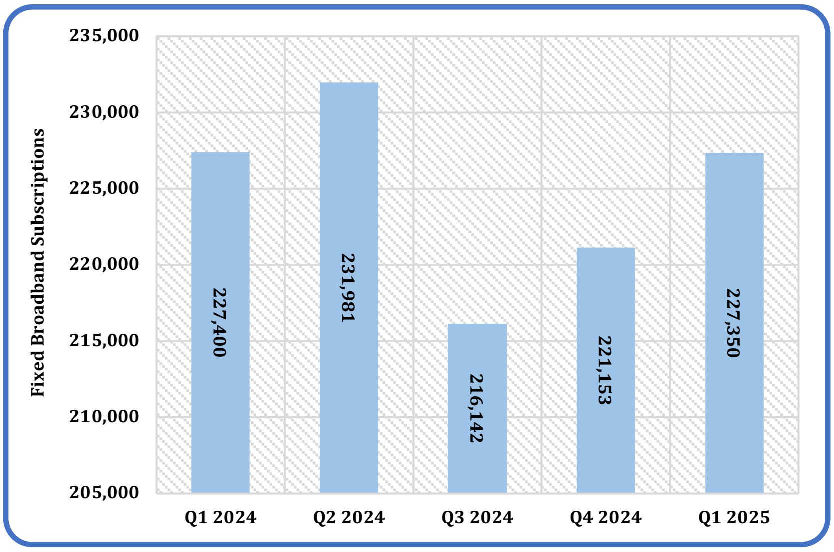

Figure 30: Fixed Broadband Subscription

3.6.1 Fixed Broadband Subscriptions per Operator

MTN recorded a market share of 63.56% with a Fixed Broadband subscription of 144,499 during the reference period from 227,350 subscriptions in the previous quarter, whilst Telecel registered a market share of 36.44% with 82,851 of Fixed Broadband subscriptions during the same period.

Quarter-on-Quarter Fixed Broadband subscriptions for MTN increased from 139,267 in Q4 2024 to 144,499 in Q1 2025 with a growth rate of 3.76%. Telecel's Fixed Broadband subscriptions also increased by 1.18% from 81,886 in Q4 2024 to 82,851 in Q1 2025.

Year-on-Year Fixed Broadband Subscriptions in the country for MTN declined by 2.93% whilst that of Telecel increased by 5.48% respectively. (Figure 31) (Appendix A, Table 30)

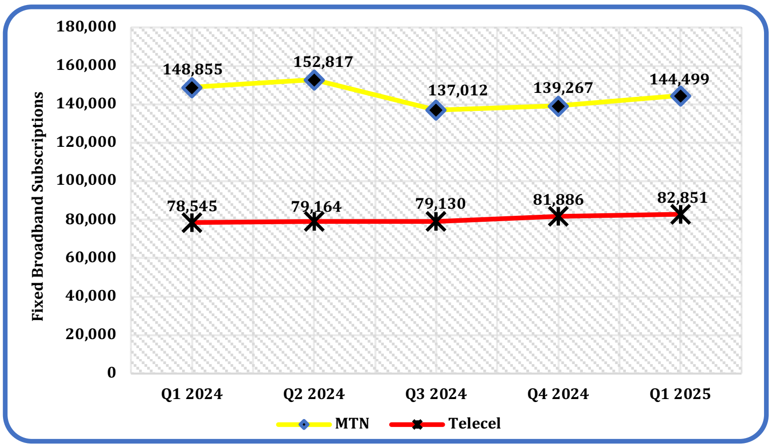

Figure 31: Fixed Broadband Subscription per Operator

3.6.2 Fixed Broadband Traffic

Total Fixed Broadband Traffic decreased by 2.16% from 114,657 TB in Q4 2024 to 112,174 TB minutes during the reference period.

Year-on-Year total Fixed Broadband Traffic also increased by 14.18% from 98,247 TB at the end of Q1 2024 to 112,174 TB at the end of Q1 2025.

Quarter-on-Quarter Fixed Broadband traffic for MTN decreased from 60.807 TB in Q4 2024 to 59,476 TB in Q1 2025 with a decline rate of 2.19%. Telecel's Fixed Broadband traffic also decreased by 2.14% from 53,849 TB in Q4 2024 to 52,699 TB in Q1 2025.

Year-on-Year Fixed Broadband Subscriptions in the country for MTN declined by 2.93% whilst Telecel Fixed Broadband increased by 5.48% respectively. (Figure 31) (Appendix, Table 31) (Figure 32) (Appendix A, Table 31)

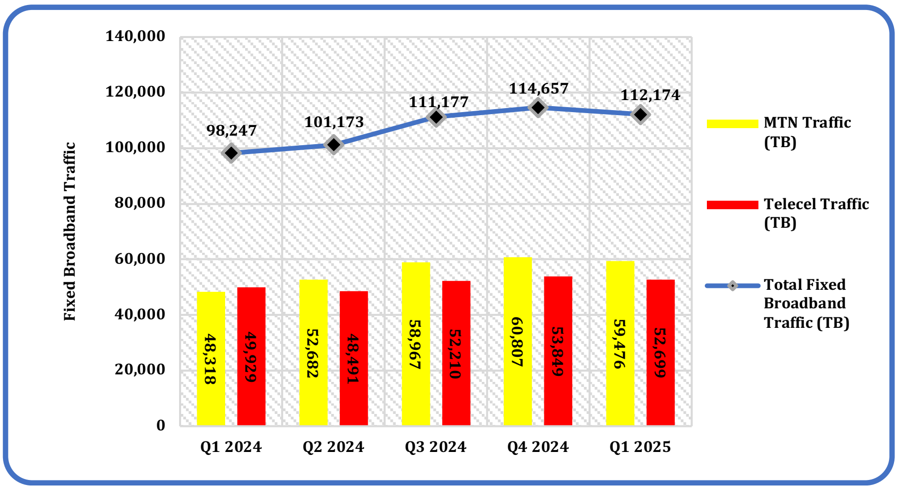

Figure 32: Fixed Broadband Traffic (TB)

4.0 BROADCASTING

4.1 Categories of FM Stations

There are 5 categories of FM Authorization based on purposes, namely:

- Commercial
- Community
- Campus
- Public and
- Public (Foreign)

Out of the total of 769 FM station authorized at the end of Q1 2025, 553 were Commercial, 156 were Community, 31 were Public, 24 were Campus and 5 were Public (Foreign) (Figure 33) (Appendix A, Table 32)

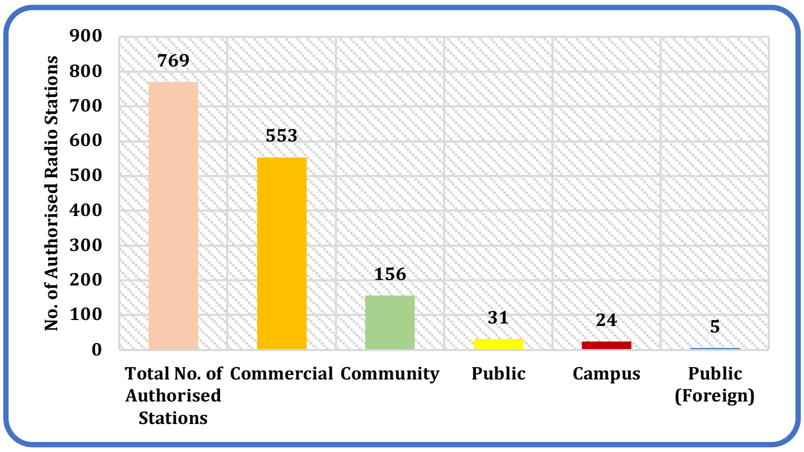

Figure 33 Category by Purpose of Authorised Radio Stations as at Q1 2025

4.2 Authorised Frequency Modulation (FM) Radio Stations

Total number of Authorised FM Stations in Ghana as at the end of Q1 2025 was 769 with 523 FM Stations in operation and 246 FM Stations yet to begin operation.

The Ashanti Region had the highest number of Authorised FM stations (116), representing 15.08% 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 1.69% of the total Authorised FM Stations in the country. (Figure 34) (Appendix A, Table 33).

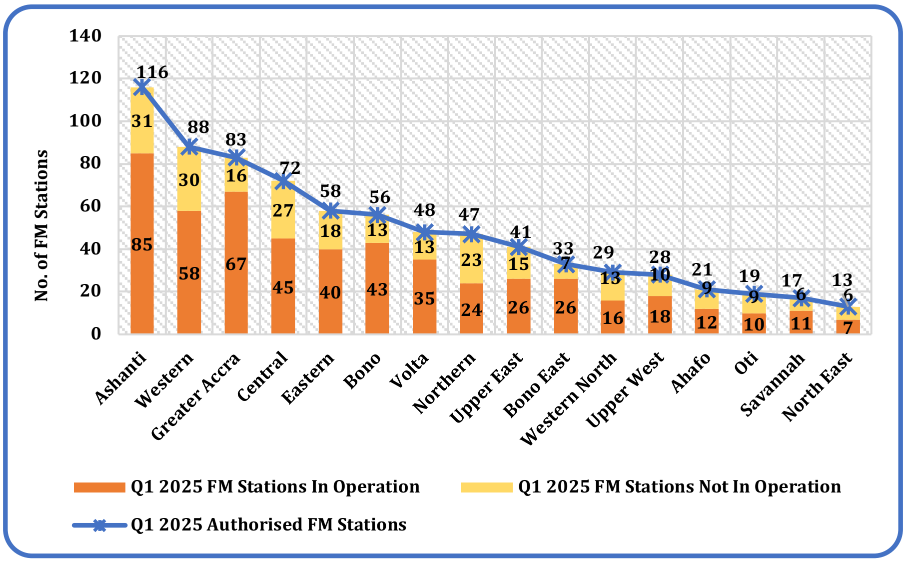

Figure 34 Regional Distribution of Authorised, On-air and Off-Air FM Stations as at the end of Q1 2025

4.3 Authorised Television Stations

The total number of Authorised TV Stations in Ghana at the end of Q1 2025 was 184, out of which 134 were operational during the quarter under review, representing 72.83% of the total number of Authorised TV Stations in the country. (Figure 35 & 36) (Appendix A, Table 34)

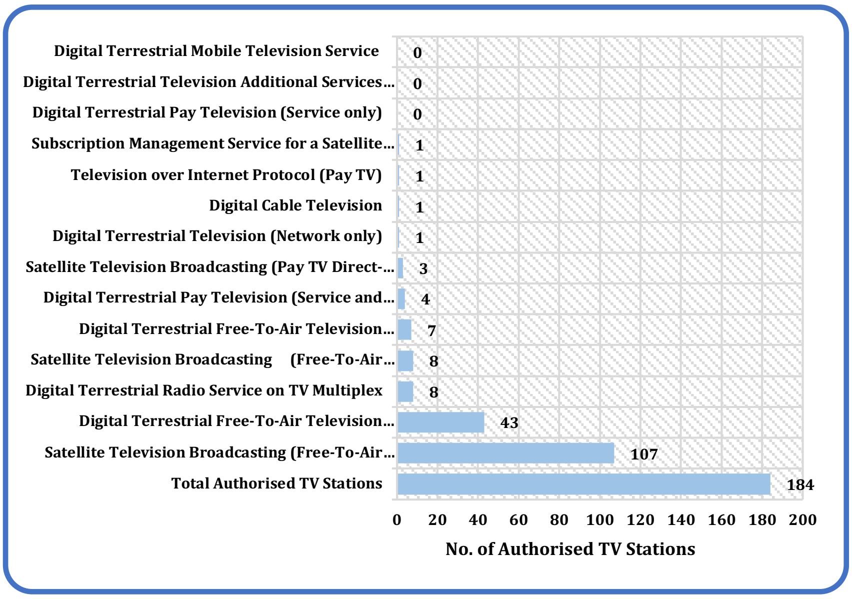

Figure 35 Authorised TV Stations as at Q1 2025

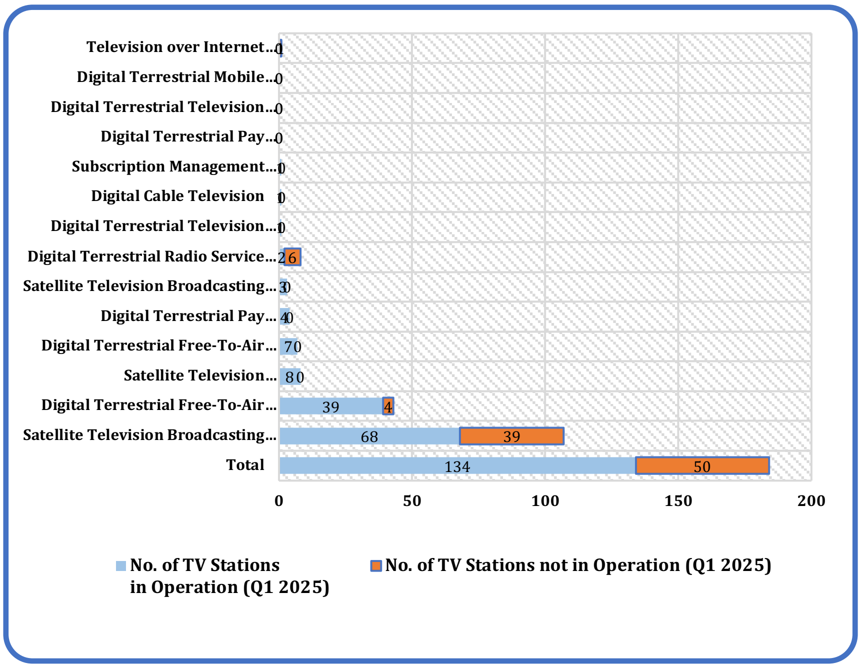

Figure 36: Distribution of Types of Services (On -Air and Off-Air TV Stations) as at the end of Q1 2025

5. CORRINGENDA AND NOTES TO Q4 2024

Note 1: Minutes of Use per subscription for Q4 2024 was revised

Note 2: OffNet Traffic (Mobile to Fixed) was revised for Q4 2024

Note 3: Quarterly Variation for Mobile to Fixed (OffNet Traffic) was revised for Q4 2024

Note 4: Annual variation for Mobile-to-Fixed (OffNet Traffic) was revised for Q4 2024

Note 5: Total Domestic Mobile Voice traffic was revised for Q4 2024

Note 6: Total OffNet Traffic for Mobile Voice was revised for Q4 2024

Note 7: Market Share for MTN (Mobile Data Traffic per Operator) was revised for Q4 2024

Note 8: Market Share for Telecel (Mobile Data Traffic per Operator) was revised for Q4 2024

Note 9: Market Share for AT (Mobile Data Traffic per Operator) was revised for Q4 2024

Note 10: Minutes of Use per subscription (Mobile Voice) was revised for Q1, Q2, Q3 and Q4 2024

Appendix A (List of Tables)

Table 1: Mobile Voice Subscriptions and Penetration Rate

Subscription	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Mobile Subscription	34,878,543	37,553,607	38,469,268	38,408,712	39,970,301
Mobile Subscription Growth Rate (%)	4.48%	7.67%	2.44%	-0.16%	4.07%
Net additions	1,494,083	2,675,064	915,661	60,556	1,561,589
Population	32,594,648	32,759,699	32,924,755	33,089,811	33,254,867
Penetration Rate (%)	**107.01%**	**114.63%**	**116.84%**	**116.07%**	**120.19%**

Table 2: Mobile Voice Subscriptions and Market Share per Operator

Mobile Network Operator		Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
MTN	Subscriptions	25,900,163	28,381,349	28,885,932	28,408,649	29,521,441
	Market Share (%)	74.26%	75.41%	75.09%	73.96%	73.86%
Telecel	Subscriptions	6,248,863	6,373,676	6,678,979	6,968,464	7,296,855
	Market Share (%)	17.92%	16.97%	17.36%	18.14%	18.26%
AT	Subscriptions	2,729,517	2,861,582	2,904,357	3,031,599	3,152,005
	Market Share (%)	7.83%	7.62%	7.55%	7.89%	7.89%
Total Industry Subscription		**34,878,543**	**37,553,607**	**38,469,268**	**38,408,712**	**39,970,301**

Table 3: Prepaid and Postpaid Voice Subscriptions and Market Share

Subscription	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Prepaid	34,463,243	37,126,056	38,066,589	37,993,918	39,521,042
Market Share	98.81%	98.86%	98.95%	98.92%	98.88%
Postpaid	415,300	427,551	402,679	414,794	449,259
Market Share	1.19%	1.14%	1.05%	1.08%	1.12%
Total mobile subscription	**34,878,543**	**37,553,607**	**38,469,268**	**38,408,712**	**39,970,301**

Table 4: Total Domestic Mobile Voice Traffic in Minutes

Traffic	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Traffic (Off-Net)	2,031,669,730	1,955,923,470	2,075,229,296	2,353,477,885	2,467,034,837
Share (%)	7.39%	7.03%	7.41%	8.00%	8.51%
Growth (%)	-0.35%	-3.74%	6.10%	13.14%	4.83%
Traffic (On-Net)	25,461,814,435	25,875,046,993	25,912,381,839	27,011,080,727	26,526,119,974
Share (%)	92.61%	92.97%	92.59%	92.00%	91.49%
Growth (%)	5.12%	1.62%	0.14%	4.24%	-1.80%
Total traffic	**27,493,484,165**	**27,830,970,463**	**27,987,611,135**	**29,364,558,612**	**28,993,154,811**

Table 5: International Traffic

Traffic	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Incoming International Traffic	37,418,879	34,651,709	36,210,403	41,448,117	41,329,257
Growth (%)	-9.69%	-7.40%	4.50%	14.46%	-0.29%
Outgoing International Traffic	63,299,390	57,837,414	41,443,043	62,675,957	104,246,439
Growth (%)	**-4.18%**	**-8.63%**	**-28.35%**	**51.23%**	66.33%

Table 6: Mobile Voice Traffic Minutes of Use (MoU) per Subscriptions

Traffic	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Total mobile voice traffic (Domestic)	27,493,484,165	27,830,970,463	27,987,611,135	29,364,558,612	28,993,154,811
Outgoing International Traffic	63,299,390	57,837,414	41,443,043	62,675,957	104,246,439
Total Mobile Voice Traffic (Dom. & Int.)	**27,556,783,555**	**27,888,807,877**	**28,029,054,178**	**29,427,234,569**	**29,097,401,250**
Average Mobile voice subscription	34,254,361	36,560,983	38,131,609	38,756,657	39,695,383
Minutes of Use (MoU) per Subscription	**804.48**	**762.80**	**735.06**	**759.28**	**733.02**
MoU Q-o-Q growth rate (%)	1.38%	-5.18%	-3.64%	3.30%	-3.46%

Table 7: Total Number of Short Messages Services

SMS	Q1 2024	Q2 2024	Q3 2023	Q4 2024	Q1 2025
Off-Net SMS	388,333,987	331,768,815	444,205,829	483,899,004	705,902,360
On-Net SMS	554,291,164	462,267,709	461,247,653	624,216,669	604,706,300
Total SMS	**942,625,151**	**794,036,524**	**905,453,482**	**1,108,115,673**	**1,310,608,660**

Table 8: Total Number of SMS per Mobile Network Operator in Millions

Mobile Operators	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Off-Net					
MTN	166,466,669	138,725,312	131,013,745	147,051,464	196,605,890
Telecel	215,504,865	185,485,017	304,699,538	326,253,888	496,971,653
AT	6,362,453	7,558,486	8,492,546	10,593,652	12,324,817
Total	**388,333,987**	**331,768,815**	**444,205,829**	**483,899,004**	**705,902,360**
On- net					
MTN	457,869,666	364,035,777	286,723,061	410,713,203	379,643,588
Telecel	95,805,764	97,373,411	173,658,643	212,884,094	224,192,932
AT	615,734	858,521	865,949	619,372	949,780
Total	**554,291,164**	**462,267,709**	**461,247,653**	**624,216,669**	**604,786,300**
Total					
MTN	624,336,335	502,761,089	417,736,806	557,764,667	576,249,478
Telecel	311,310,629	282,858,428	478,358,181	539,137,982	721,164,585
AT	6,978,187	8,417,007	9,358,495	11,213,024	13,274,597
Total	**942,625,151**	**794,036,524**	**905,453,482**	**1,108,115,673**	**1,310,688,660**

Table 9: Average SMS per Subscription

SMS Subscriptions	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Total SMS	942,625,151	794,036,524	905,453,482	1,108,115,673	1,310,688,660
Average Mobile Subscription	34,254,361	35,607,123	38,131,609	38,756,657	39,695,383
SMS per Subscription	**28**	**22**	**24**	**29**	**33**

Table 10: Mobile Data Subscriptions and Penetration Rate

Subscription	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Mobile data subscription	24,351,778	24,708,749	25,560,884	26,127,592	26,717,143
Data Subscription Growth Rate (%)	4.93%	1.47%	3.45%	2.22%	2.26%
Net Additions	1,144,150	356,971	852,135	566,708	589,551
Net Additions Growth Rate (%)	25%	-69.00%	139%	-33%	4.03%
Population	32,594,648	32,759,699	32,924,755	33,089,811	33,254,867

Mobile Data Penetration Rate (%)	74.71%	75.42%	77.63%	78.96%	80.34%

Table 11: Machine-to-Machine Subscriptions

Mobile Network Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
MTN	721,031	870,853	1,083,697	1,084,627	1,684,845
Telecel	857,965	871,451	1,071,051	1,131,926	1,147,872
AT	3,080	2,964	2,747	2,654	2,860
Total	**1,582,076**	**1,745,268**	**2,157,495**	**2,219,207**	**2,835,577**

Mobile Off-Net Traffic Distribution between Mobile and Fixed Network

Table 12: Mobile Data Subscriptions (Prepaid/Postpaid)

Mobile Data Subscriptions		Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Prepaid	Subscription	24,140,313	24,492,744	25,343,215	25,909,066	26,490,317
	Market Share	99.13%	99.13%	99.15%	99.16%	99.15%
Post-paid	Subscription	211,465	216,005	217,669	218,526	226,826
	Market Share	0.87%	0.87%	0.85%	0.84%	0.85%
Total mobile data subscriptions		**24,351,778**	**24,708,749**	**25,560,884**	**26,127,592**	**26,717,144**

Table 13: Mobile Data Subscriptions per Mobile Network Operator and Market Share

Mobile Network Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
MTN	19,601,366	19,890,327	20,311,829	20,626,311	21,118,921
	80.49%	80.50%	79.46%	78.94%	79.05%
Telecel	3,120,886	3,181,152	3,645,955	3,892,046	3,983,835
	12.82%	12.87%	14.26%	14.90%	14.91%
AT	1,629,526	1,637,270	1,603,100	1,609,235	1,614,387
	6.69%	6.63%	6.27%	6.16%	6.04%
Total	**24,351,778**	**24,708,749**	**25,560,884**	**26,127,592**	**26,717,143**

Table 14: Mobile Data Traffic in Terabytes (TB)

Mobile Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Total Mobile data usage (TB)	511,989	579,320	661,511	763,256	755,267

Table 15: Mobile Data Usage per Subscription (TB)

Mobile Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Total Mobile data usage (MB)	511,989	579,320	661,511	763,256	755,267
Average Data Subscription	23,649,354	24,703,275	25,279,367	25,905,295	26,378,393
Data Usage per Subscription (TB)	511,989	579,320	661,511	763,256	755,267

Table 16: Mobile Data Traffic per Operator (TB)

Mobile Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
MTN	418,250	472,436	536,788	631,773	621,575
	81.69%	81.55%	81.15%	82.77%	82.30%
Telecel	74,643	85,591	102,559	109,253	111,488
	14.58%	14.77%	15.50%	14.31%	14.76%
AT	19,096	21,292	22,163	22,229	22,204
	3.73%	3.68%	3.35%	2.91%	2.94%
Total Industry Traffic (TB)	**511,989**	**579,320**	**661,511**	**763,256**	**755,267**

Table 17: Average Mobile Tariff per Service (GHS)

Tariff	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Average On-Net mobile tariff	0.13	0.14	0.14	0.14	0.14
Average Off-Net mobile tariff	0.13	0.14	0.14	0.14	0.14
Average On-Net SMS tariff	0.06	0.06	0.06	0.06	0.06
Average Off-Net SMS tariff	0.06	0.06	0.06	0.06	0.06

Average data/Mb tariff	0.12	0.14	0.14	0.14	0.14

Table 18: Devices and Terminals

No	Category of Phones	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
1	Smartphone Devices	20,938,496	21,465,086	20,868,129	23,236,048	23,685,752
	Market Share (%)	55.04%	*55.05%*	*56.64%*	57.87%	58.44%
	Growth (%)	12.05%	2.51%	-2.78%	11.35%	1.94%
2	Feature Phone Devices	11,860,489	11,780,513	10,623,972	10,792,867	10,495,239
	Market Share (%)	31.17%	*30.21%*	*28.84%*	26.88%	25.90%
	Growth (%)	3.58%	-0.67%	-9.82%	1.59%	-2.76%
3	Basic Phone Devices	5,246,383	5,744,236	5,349,040	6,124,118	6,348,477
	Market Share (%)	13.79%	*14.73%*	*14.52%*	15.25%	15.66%
	Growth (%)	20.67%	9.49%	-6.88%	14.49%	3.66%
Total		**38,045,368**	**38,989,835**	**36,841,141**	**40,153,033**	**40,529,468**

Table 19: BWA Data Subscriptions and Penetration

BWA Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Subscription	1,431	1,431	1,454	1,454	1,454
Growth rate (%)	0.00%	0.00%	1.61%	0.00%	0.00%
Net Additions	0	0	23	0	0
Population	32,594,648	32,759,699	32,924,755	33,089,811	33,254,867
Penetration Rate (%)	**0.004%**	**0.004%**	**0.004%**	**0.004%**	**0.0044%**

Table 20: Subscriptions per Broadband Wireless Access (BWA) Operator

BWA Operator	Subscription and Market Share	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Telesol	Subscription	1,431	1,431	1,454	1,454	1,454
	Market share (%)	100.00%	100%	100%	100%	100%
Industry Total		**1,431**	**1,431**	**1,454**	**1,454**	**1,454**

Table 21: Broadband Wireless Access Data Traffic

BWA operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Industry Total (TB)	**152,983**	**235,167**	**203,757**	**170,491**	**141,622**

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

BWA Operator		Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Telesol	Data usage (MB)	152,983	235,167	203,757	170,491	141,622
	Market Share (%)	100.00%	100.00%	100.00%	100.00%	100%
Industry Total (TB)		**152,983**	**235,167**	**203,757**	**170,491**	**141,622**

Table 23: Data Usage per BWA Subscriptions (TB)

BWA Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Total Volume of Data Traffic	152,983	235,167	203,757	170,491	141,622
Average BWA Subscription	954	1,431	1454	1,454	1,454
Data Usage per Subscription (TB)	**0.160**	**0.164**	**0.140**	**0.117**	**0.097**

Table 24: Fixed Network Voice Subscriptions and penetration)

Fixed Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Telecel	314,143	303,575	302,890	261,553	260,250
	99.18%	99.12%	95.80%	97.10%	97.15%
AT	946	929	943	912	870
	0.30%	0.30%	0.30%	0.34%	0.32%
MTN	1,664	1,776	12,321	6,891	6,761
	0.53%	0.58%	3.90%	2.56%	2.52%
Total industry subscription	**316,753**	**306,280**	**316,154**	**269,356**	**267,881**
Population	32,594,648	32,759,699	32,924,755	33,089,811	33,089,811
Fixed Network Penetration Rate	**0.97%**	**0.93%**	**0.96%**	**0.81%**	**0.81%**

(%)					

Table 25:Fixed Network Voice Minutes of Use (Minutes)

Traffic	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
On-Net Fixed voice traffic	-	-	-	-	606,666
Off-Net fixed voice traffic	7,038,835	6,990,723	7,241,115	5,815,131	5,898,098
Total Fixed Voice Traffic	**7,038,835**	**6,990,723**	**7,241,115**	**5,815,131**	**6,504,764**

Table 26: Fixed Network voice (Minute of Use per Subscriptions)

Fixed Network (MoU)	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**	**Q1 2025**
Total Fixed Voice Traffic	7,038,835	6,990,723	7,241,115	5,815,131	6,504,764
Average Fixed Subscription	316,753	306,280	316,154	269,356	268,674
Minutes of Use per Subscription (MoU)	22.222	22.825	22.90	21.59	24.21
Growth Rate	**-2.58%**	**2.71%**	**0.35%**	**-5.74%**	**12.14%**

Table 27: Fixed Line Data Subscriptions and Penetration

Fixed Network	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Telecel	80,788	81,473	81,468	84,307	85,284
	67.96%	67.65%	66.26%	66.52%	63.71%
AT	400	405	386	394	363
	0.34%	0.34%	0.31%	0.31%	0.27%
MTN	37,696	38,555	41,096	42041	48,225
	31.71%	32.01%	33.42%	33.17%	36.02%
Total Fixed data	118,884	120,433	122,950	126,742	133,872
Population	32,594,648	32,759,699	32,759,700	33,089,811	33,254,867
Fixed Data Penetration	**0.36%**	**0.37%**	**0.38%**	0.38%	0.40%

Table 28: Fixed Line Data Subscriptions per Network Operator

Fixed Network Operator	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Telecel	80,788	81,473	81,468	84,307	85,284

AT	400	405	368	394	363
MTN	37,696	38555	41,096	42,041	48,225
Total fixed data subscription	**118,884**	**120,433**	**122,950**	**126,742**	**133,872**

Table 29: Fixed Broadband Subscriptions

Quarter	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**	**Q1 2025**
Fixed Broadband Subscription	227,400	231,981	216,142	221,153	227,350

Table 30: Fixed Broadband Subscriptions per Operator

Fixed Broadband Operators	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**	**Q1 2025**
MTN	148,855	152,817	137,012	139,267	144,499
Telecel	78,545	79,164	79,130	81,886	82,851
Total	**227,400**	**231,981**	**216,142**	**221,153**	**227,350**

Table 31: Fixed Broadband Traffic

Fixed Broadband Operators	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**	**Q1 2025**
MTN (GB)	48,318	52,682	58,967	60,807	59,476
Telecel(GB)	49,929	48,491	52,210	53,849	52,699
Total Fixed Broadband Traffic (TB)	**98,247**	**101,173**	**111,177**	**114,657**	**112,174**

Table 32: Regional Distribution of FM Stations by Purpose as at the end of Q1 2025

Name of Regions	**Public**	**Public (Foreign)**	**Community**	**Campus**	**Commercial**
Ashanti	2	1	28	5	80
Bono	1	0	5	3	47
Bono East	2	0	6	0	25
Ahafo	0	0	4	0	17
Central	2	0	19	4	47
Eastern	2	0	23	1	32
Greater Accra	2	3	17	2	59
Northern	3	0	8	1	35
Savannah	3	0	6	0	8
North East	1	0	3	0	9
Upper East	2	0	12	3	24
Upper West	2	0	10	2	14
Volta	3	0	3	1	41
Oti	1	0	3	0	15
Western	2	1	9	2	74
Western North	3	0	0	0	26
Total	**31**	**5**	**156**	**24**	**553**

Table 33: Regional Distribution of FM Stations as at the end of Q1 2025

Name Of Regions	Q1 2025 Authorised FM Stations	Q1 2025 FM Stations In Operation	Q1 2025 FM Stations not in Operation
Ashanti	116	85	31
Bono	56	43	13
Bono East	33	26	7
Ahafo	21	12	9
Central	72	45	27
Eastern	58	40	18
Greater Accra	83	67	16
Northern	47	24	23
Savannah	17	11	6
North East	13	7	6
Upper East	41	26	15
Upper West	28	18	10
Volta	48	35	13
Oti	19	10	9
Western	88	58	30
Western North	29	16	13
Total	**769**	**523**	**246**

Table 34 : Authorised TV Stations as at the end of Q1 2025

Type of Television Service	Authorised TV Stations		No. of TV Stations in Operation (Q1 2025)	No. of TV Stations not in Operation (Q1 2025)
	End of Q4 2024	End of Q1 2025		
Digital Terrestrial Free-To-Air Television Programme Channel (Nationwide Coverage)	43	43	39	4
Digital Terrestrial Free-To-Air Television Programme Channel (Regional Coverage)	7	7	7	0
Digital Terrestrial Pay Television (Service only)	0	0	0	0
Digital Terrestrial Pay Television (Service and Frequency)	4	4	4	0
Digital Terrestrial Television (Network only)	1	1	1	0
Digital Terrestrial Radio Service on TV Multiplex	8	8	2	6
Satellite Television Broadcasting (Pay TV Direct-To-Home Bouquet)	3	3	3	0

Satellite Television Broadcasting (Free-To-Air Direct-To-Home Bouquet)	8	8	8	0
Satellite Television Broadcasting (Free-To-Air Direct-To-Home Single Channel)	104	107	68	39
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	**181**	**184**	**134**	**50**

Source: NCA, 2025

Disclaimer:

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

NCA CONTACTS AND PRESENCE COUNTRYWIDE

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

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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,
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Ashanti Region, Ghana
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E-Mail: complaints.kumasi@nca.org.gh

- ### Bolgatanga Office

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- ### Sunyani Office

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- ### Ho Office

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- ### Takoradi Office

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- ### Tamale Office

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