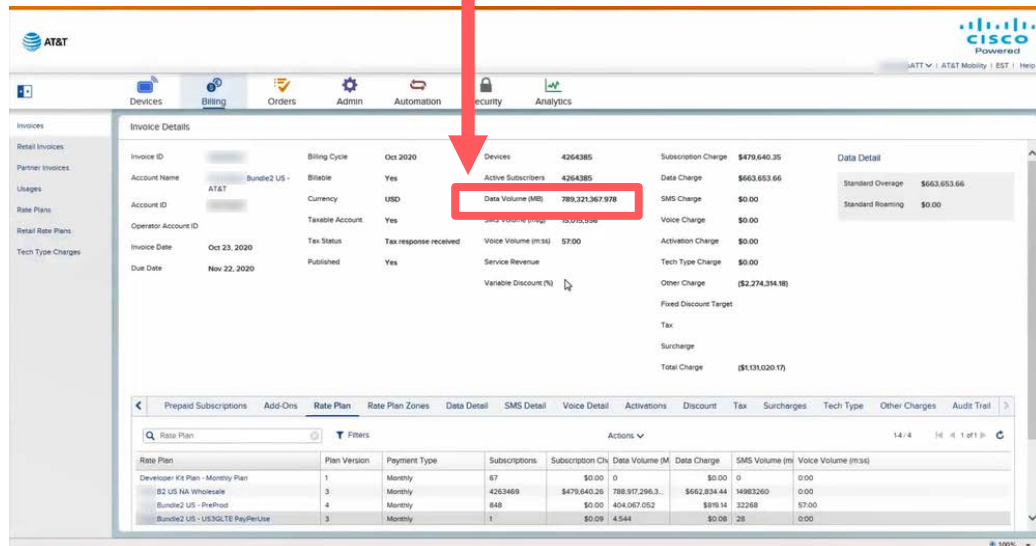


# Data Conversion for Billing Job Aid

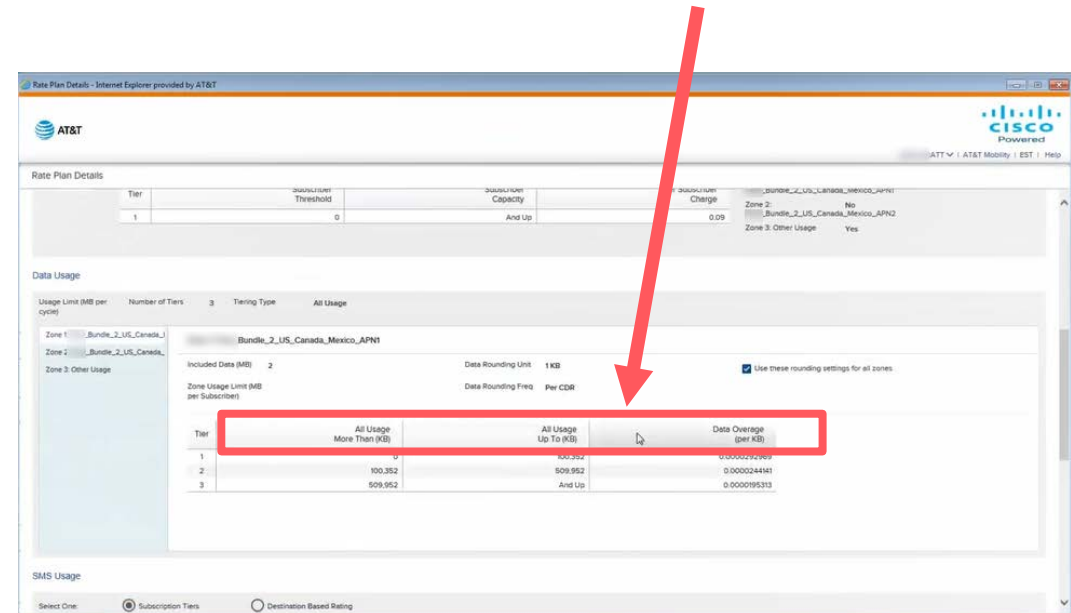
January 14, 2021

# Units of Measure and Data Conversion

Data volume is broken down by **MB (Megabytes)** in the detail provided to the customer on the Invoice Details screen.



Data usage is broken down by **KB (Kilobytes)** in the Data Usage section of the Rate Plan Details screen.



This Job Aid will show how to convert the unit of measure for an accurate comparison.

*NOTE: All numbers and costs shown in this job aid are for demonstration purposes only and do not reflect actual pricing, customer invoices, or reports.*

# View the Rate Plan Details

1. From the Invoice Details screen In Control Center, select the specific Rate Plan you want to view.

This will link to the Rate Plan Details.

The screenshot displays the AT&T Billing system interface. The top navigation bar includes 'Devices', 'Billing', 'Orders', 'Admin', 'Automation', 'Security', and 'Analytics'. The 'Billing' section is active, showing 'Invoice Details' for an invoice from Oct 2020. The invoice summary includes: Invoice ID, Account Name (Bundle2 US - AT&T), Account ID, Operator Account ID, Invoice Date (Oct 23, 2020), Due Date (Nov 22, 2020), Billing Cycle (Oct 2020), Billable (Yes), Currency (USD), Taxable Account (Yes), Tax Status (Tax response received), and Published (Yes). Billing metrics show 4264385 devices, 4264385 active subscribers, 789,321,367.978 MB data volume, 15,015,556 SMS volume, and 57.00 voice volume. Charges include a subscription charge of \$479,640.35, a data charge of \$663,653.66, and a total charge of \$1,131,020.17. A 'Data Detail' sidebar shows Standard Coverage at \$663,653.66 and Standard Roaming at \$0.00. Below the invoice details is a 'Rate Plan' table with columns for Rate Plan, Plan Version, Payment Type, Subscriptions, Subscription Ch, Data Volume (M), Data Charge, SMS Volume (m), and Voice Volume (m:ss). The table lists three rate plans: 'Developer Kit Plan - Monthly Plan', 'B2 US NA Wholesale', and 'Bundle2 US - US3GLTE PayPerUse', which is highlighted with a red box. A red arrow points from the text 'This will link to the Rate Plan Details.' to this highlighted row.

Rate Plan	Plan Version	Payment Type	Subscriptions	Subscription Ch	Data Volume (M)	Data Charge	SMS Volume (m)	Voice Volume (m:ss)
Developer Kit Plan - Monthly Plan	1	Monthly	67	\$0.00	0	\$0.00	0	0:00
B2 US NA Wholesale	3	Monthly	4263469	\$479,640.26	788,917,296.3	\$662,834.44	14983260	0:00
Bundle2 US - US3GLTE PayPerUse	3	Monthly	848	\$0.00	404,067.052	\$819.14	32268	57:00

*NOTE: All numbers and costs shown in this job aid are for demonstration purposes only and do not reflect actual pricing, customer invoices, or reports.*

# Data Usage Section

2. Scroll down the Rate Plan Details screen to view the Data Usage section.

The screenshot displays the AT&T Rate Plan Details interface. The top section shows account information for 'Bundle2 US - AT&T' with a monthly term and USD currency. Below this, the 'Data Usage' section is highlighted with a red box. It includes a table for 'Usage Limit (MB per cycle)' with 3 tiers, a 'Data Usage' link, and a detailed table for 'All Usage' with columns for Tier, All Usage More Than (KB), All Usage Up To (KB), and Data Overage (per KB).

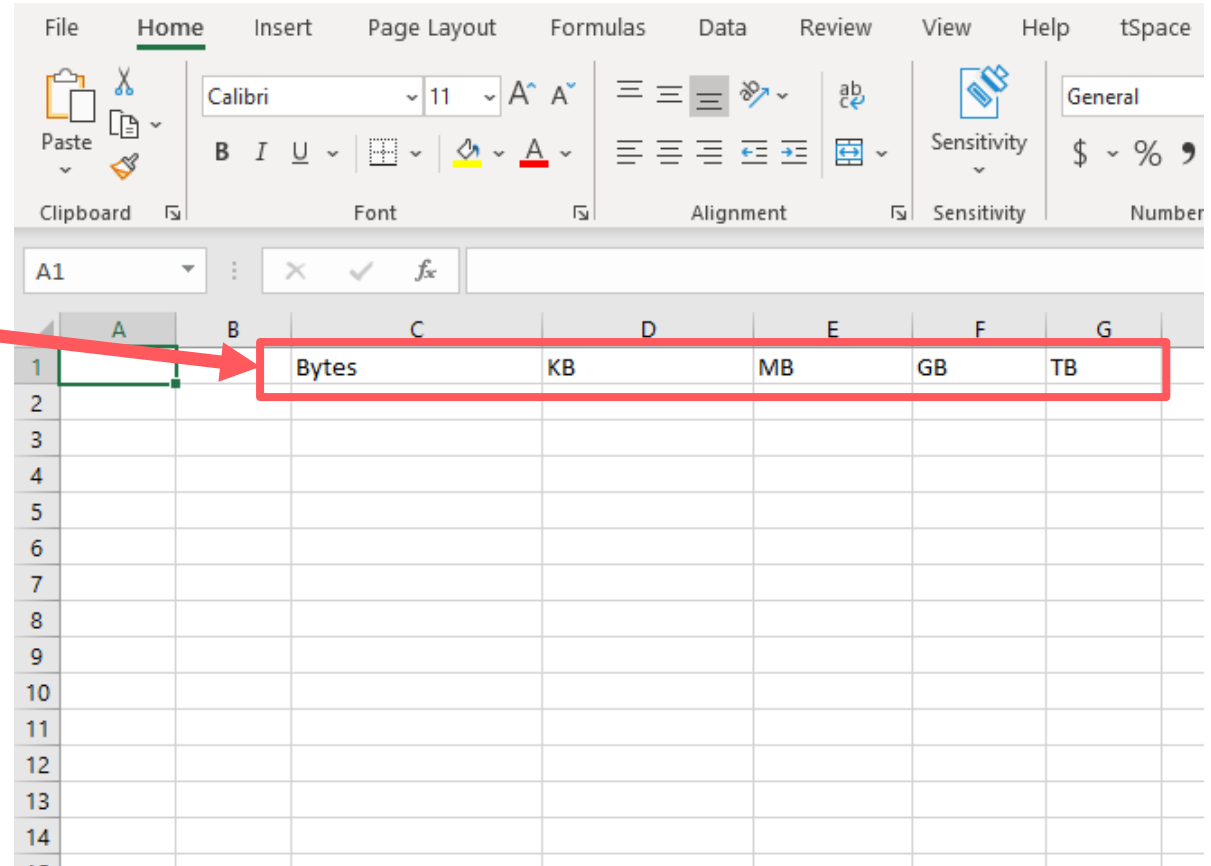
Tier	All Usage More Than (KB)	All Usage Up To (KB)	Data Overage (per KB)
1	0	100.352	0.0000292969
2	100.352	509.952	0.0000244141
3	509.952	And Up	0.0000195313

# Conversion Spreadsheet

3. Open a new spreadsheet.
4. Create the following column headers:

- Bytes
- KB (Kilobytes)
- MB (Megabytes)
- GB (Gigabytes)
- TB (Terabytes)

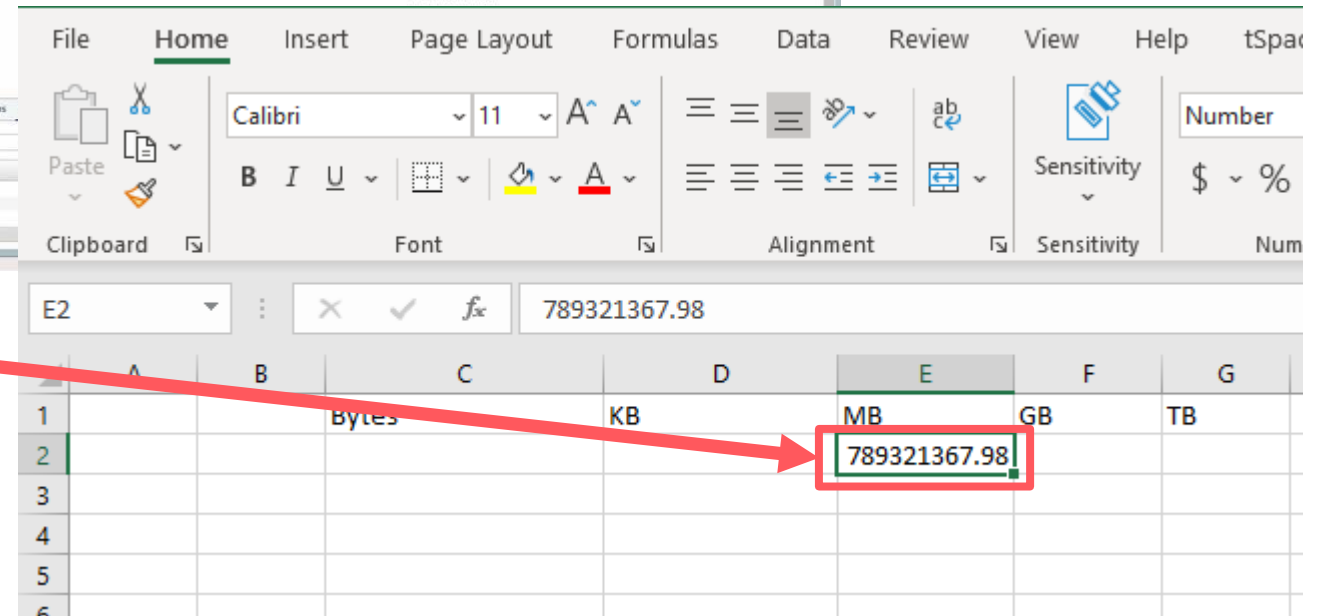
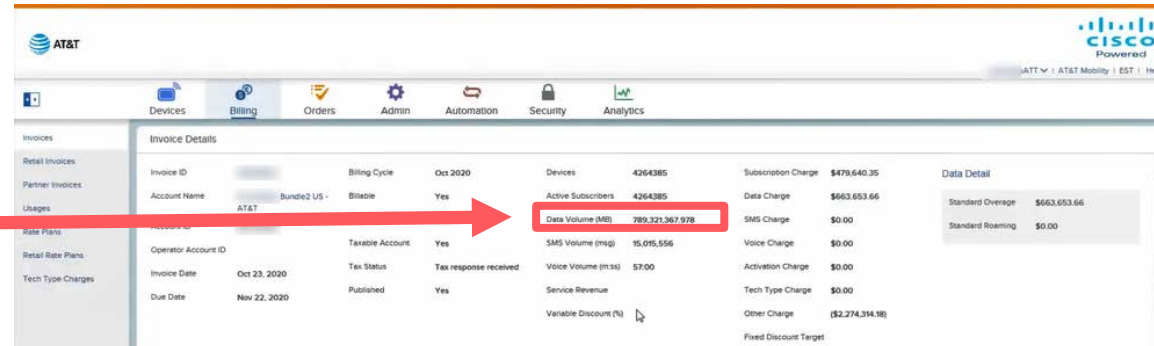
These are different units of measurement levels of data usage.



# Conversion Spreadsheet cont.

5. Copy the MB number from the Invoice Details in Control Center to the MB column in the spreadsheet.

– Note: This number is per month.



# How to perform Conversion

## 6. 1024 is the basis used to convert units of measure.

- To move up in data measurement levels, you will divide.
- To move down in data measurement levels, you will multiply.

MB ÷ 1024 = GB (Cell F2)

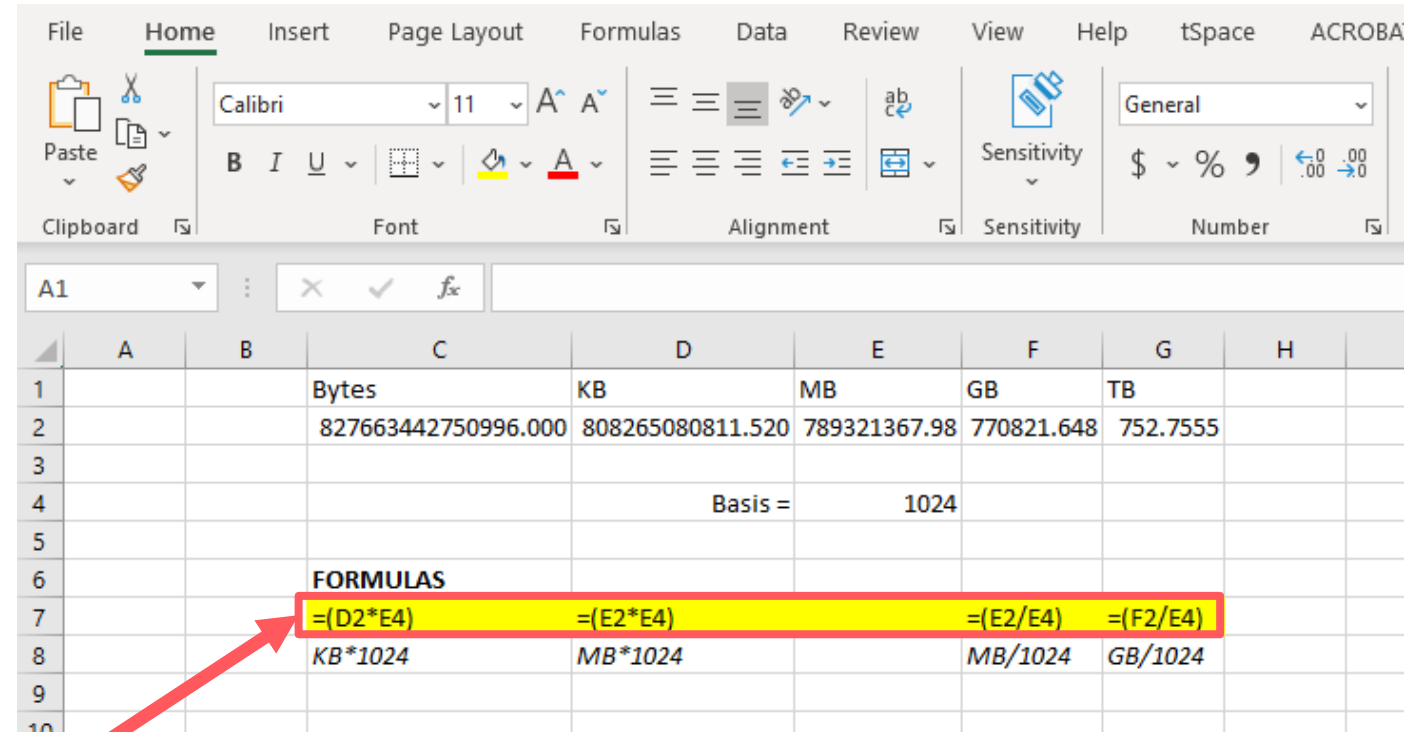
GB ÷ 1024 = TB (Cell G2)

MB x 1024 = KB (Cell D2)

KB x 1024 = Bytes (Cell C2)

These calculations represent the same data amounts, but in different units of measure.

Row 7 shows the formulas used on the spreadsheet to convert the measurements.



	A	B	C	D	E	F	G	H
1			Bytes	KB	MB	GB	TB	
2			827663442750996.000	808265080811.520	789321367.98	770821.648	752.7555	
3								
4				Basis =	1024			
5								
6				<b>FORMULAS</b>				
7			<b>=(D2*E4)</b>	<b>=(E2*E4)</b>	<b>=(E2/E4)</b>	<b>=(F2/E4)</b>		
8			KB*1024	MB*1024		MB/1024	GB/1024	
9								
10								



**AT&T** Business