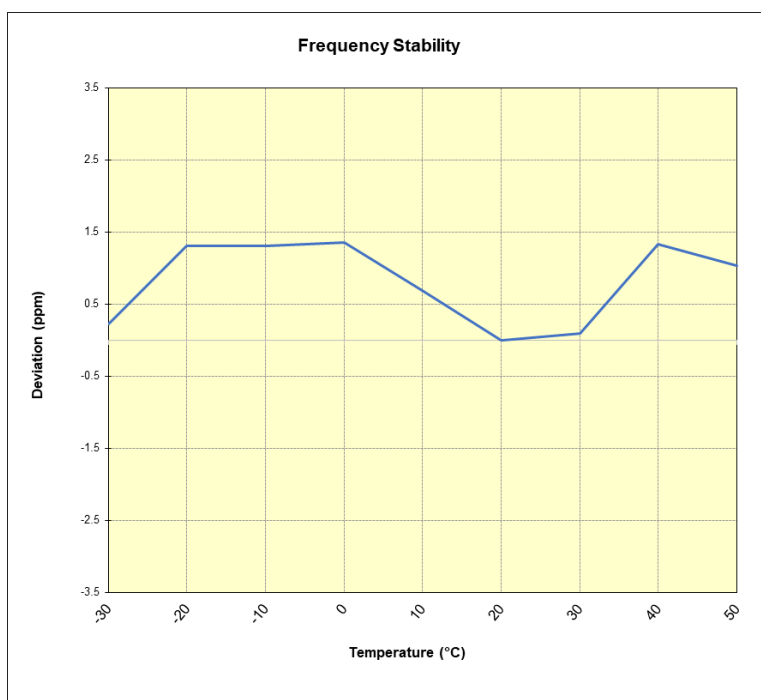


LTE Band 12/17					
Operating Frequency (Hz):			707,500,000		
Ref. Voltage (VDC):			4.36		
Deviation Limit:			± 0.00025% or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.36	- 30	707,499,159	158	0.0000223
		- 20	707,499,927	926	0.0001309
		- 10	707,499,921	920	0.0001300
		0	707,499,962	961	0.0001358
		+ 10	707,499,484	483	0.0000683
		+ 20 (Ref)	707,499,001	0	0.0000000
		+ 30	707,499,067	66	0.0000093
		+ 40	707,499,942	941	0.0001330
Battery Endpoint	2.46	+ 50	707,499,735	734	0.0001037
		+ 20	707,499,572	571	0.0000807

**Table 7-29. LTE Band 12/17 Frequency Stability Data**



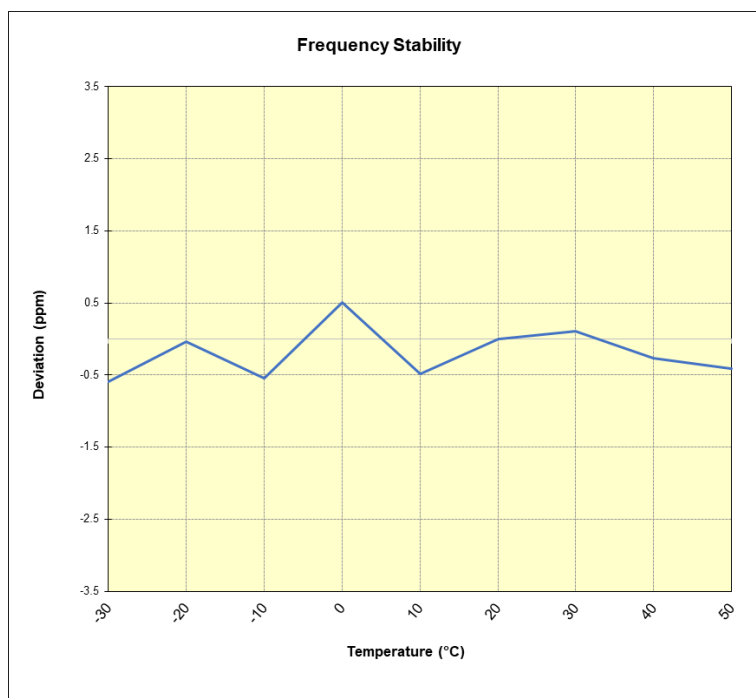
**Plot 7-187. LTE Band 12/17 Frequency Stability Chart**

FCC ID: A3LSMF926B	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2104190044-4.A3L	Test Dates: 04/28/2021 - 6/25/2021	EUT Type: Portable Handset	Page 130 of 135	



## Frequency Stability / Temperature Variation

LTE Band 13					
Operating Frequency (Hz):			782,000,000		
Ref. Voltage (VDC):			4.36		
Deviation Limit:			± 0.00025% or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.36	- 30	782,049,092	-464	-0.0000593
		- 20	782,049,532	-24	-0.0000031
		- 10	782,049,128	-428	-0.0000547
		0	782,049,948	392	0.0000501
		+ 10	782,049,180	-376	-0.0000481
		+ 20 (Ref)	782,049,556	0	0.0000000
		+ 30	782,049,640	84	0.0000107
		+ 40	782,049,348	-208	-0.0000266
		+ 50	782,049,238	-318	-0.0000407
Battery Endpoint	2.46	+ 20	782,049,441	-115	-0.0000147

**Table 7-30. LTE Band 13 Frequency Stability Data**



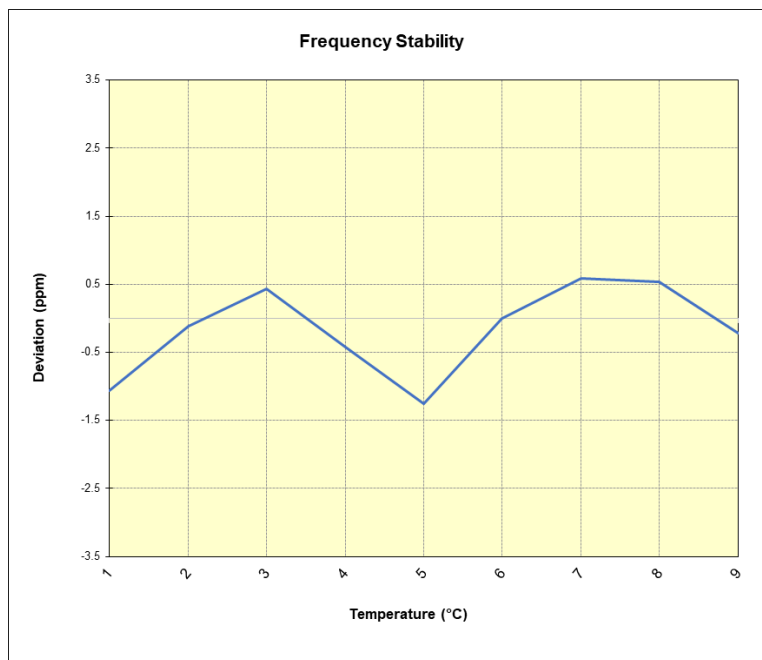
**Plot 7-188. LTE Band 13 Frequency Stability Chart**

FCC ID: A3LSMF926B		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## Frequency Stability / Temperature Variation

LTE Band 66/4					
		Operating Frequency (Hz):		1,745,000,000	
		Ref. Voltage (VDC):		4.36	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.36	- 30	1,745,000,012	-1,854	-0.0001063
		- 20	1,745,001,672	-195	-0.0000112
		- 10	1,745,002,632	766	0.0000439
		0	1,745,001,122	-745	-0.0000427
		+ 10	1,744,999,667	-2,199	-0.0001260
		+ 20 (Ref)	1,745,001,866	0	0.0000000
		+ 30	1,745,002,881	1,015	0.0000581
		+ 40	1,745,002,800	934	0.0000535
Battery Endpoint	2.46	+ 50	1,745,001,483	-383	-0.0000220
		+ 20	1,745,001,516	-351	-0.0000201

**Table 7-31. LTE Band 66/4 Frequency Stability Data**



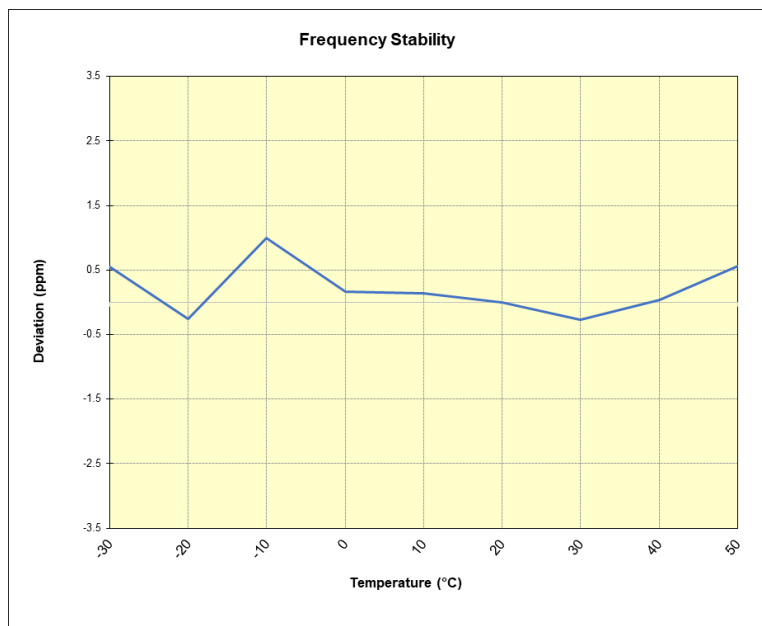
**Plot 7-189. LTE Band 66/4 Frequency Stability Chart**

FCC ID: A3LSMF926B	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
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## Frequency Stability / Temperature Variation

NR Band n66					
Operating Frequency (Hz):			1,745,000,000		
Ref. Voltage (VDC):			4.36		
Deviation Limit:			± 0.00025% or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.36	- 30	1,744,455,835	957	0.0000549
		- 20	1,744,454,430	-448	-0.0000257
		- 10	1,744,456,616	1,738	0.0000996
		0	1,744,455,159	281	0.0000161
		+ 10	1,744,455,132	254	0.0000145
		+ 20 (Ref)	1,744,454,878	0	0.0000000
		+ 30	1,744,454,403	-475	-0.0000272
		+ 40	1,744,454,945	67	0.0000038
		+ 50	1,744,455,863	985	0.0000565
Battery Endpoint	2.46	+ 20	1,744,453,606	-1,272	-0.0000729

**Table 7-32. NR Band n66 Frequency Stability Data**



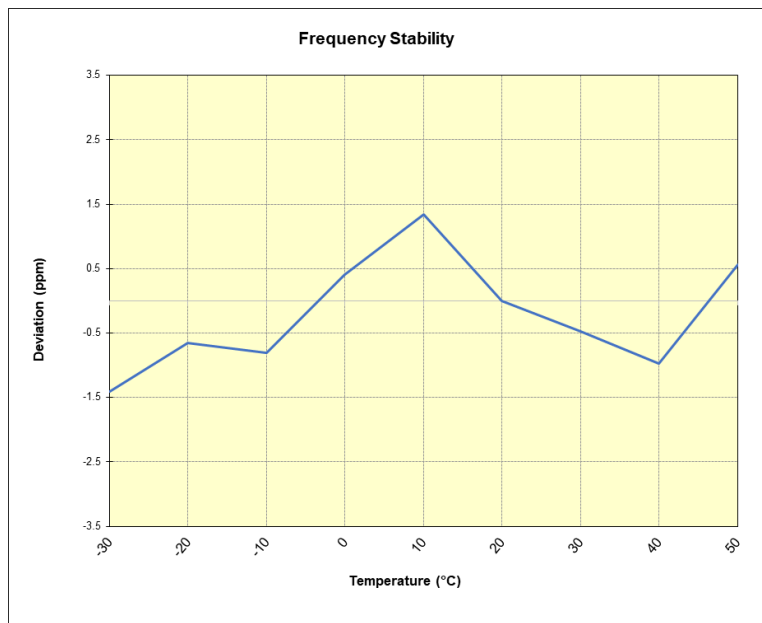
**Plot 7-190. NR Band n66 Frequency Stability Chart**

FCC ID: A3LSMF926B	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
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## Frequency Stability / Temperature Variation

WCDMA AWS					
		Operating Frequency (Hz):		1,732,600,000	
		Ref. Voltage (VDC):		4.36	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.36	- 30	1,732,601,094	-2,445	-0.0001411
		- 20	1,732,602,403	-1,136	-0.0000656
		- 10	1,732,602,151	-1,388	-0.0000801
		0	1,732,604,256	717	0.0000414
		+ 10	1,732,605,855	2,316	0.0001337
		+ 20 (Ref)	1,732,603,539	0	0.0000000
		+ 30	1,732,602,718	-821	-0.0000474
		+ 40	1,732,601,844	-1,695	-0.0000979
Battery Endpoint	2.46	+ 50	1,732,604,517	978	0.0000564
		+ 20	1,732,601,457	-2,083	-0.0001202

**Table 7-33. WCDMA AWS Frequency Stability Data**





**Plot 7-191. WCDMA AWS Frequency Stability Chart**

FCC ID: A3LSMF926B	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2104190044-4.A3L	Test Dates: 04/28/2021 - 6/25/2021	EUT Type: Portable Handset		Page 134 of 135

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF926B** complies with all the requirements of Part 27 of the FCC rules.

<b>FCC ID:</b> A3LSMF926B	 <b>PART 27 MEASUREMENT REPORT</b> 	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2104190044-4.A3L	<b>Test Dates:</b> 04/28/2021 - 6/25/2021	<b>EUT Type:</b> Portable Handset
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