

Band 13 Frequency Stability Measurements

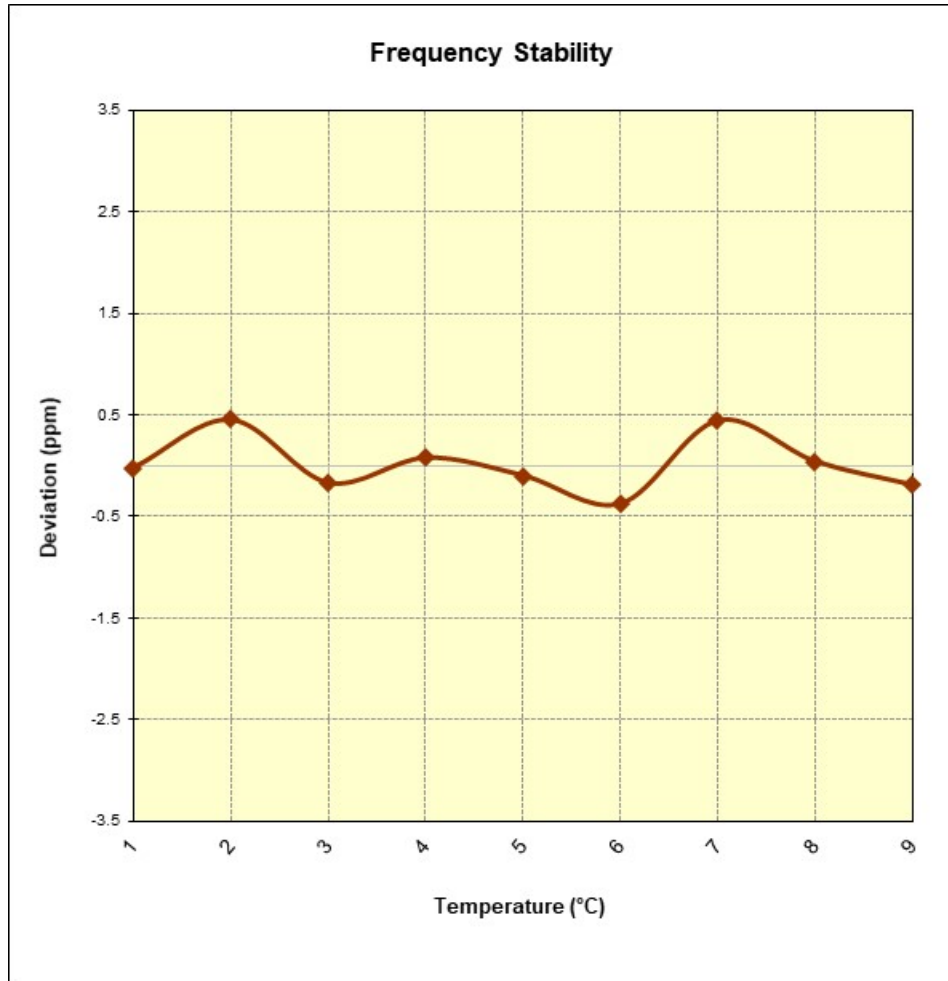


Figure 7-10. Frequency Stability Graph (Band 13)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2001100004-03.ZNF	Test Dates: 1/13 - 2/14/2020	EUT Type: Portable Tablet		Page 204 of 213

Band 26/5 Frequency Stability Measurements

OPERATING FREQUENCY: 836,500,000 Hz
 CHANNEL: 20525
 REFERENCE VOLTAGE: 4.27 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	836,500,009	9	0.0000011
100 %		- 20	836,499,891	-109	-0.0000130
100 %		- 10	836,500,094	94	0.0000112
100 %		0	836,500,134	134	0.0000160
100 %		+ 10	836,499,900	-100	-0.0000120
100 %		+ 20	836,499,874	-126	-0.0000151
100 %		+ 30	836,500,062	62	0.0000074
100 %		+ 40	836,499,912	-88	-0.0000105
100 %		+ 50	836,500,135	135	0.0000161
BATT. ENDPOINT	3.51	+ 20	836,499,658	-342	-0.0000409

Table 7-38. Frequency Stability Data (Band 26/5)

FCC ID: ZNFT600TS	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
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Band 26/5 Frequency Stability Measurements

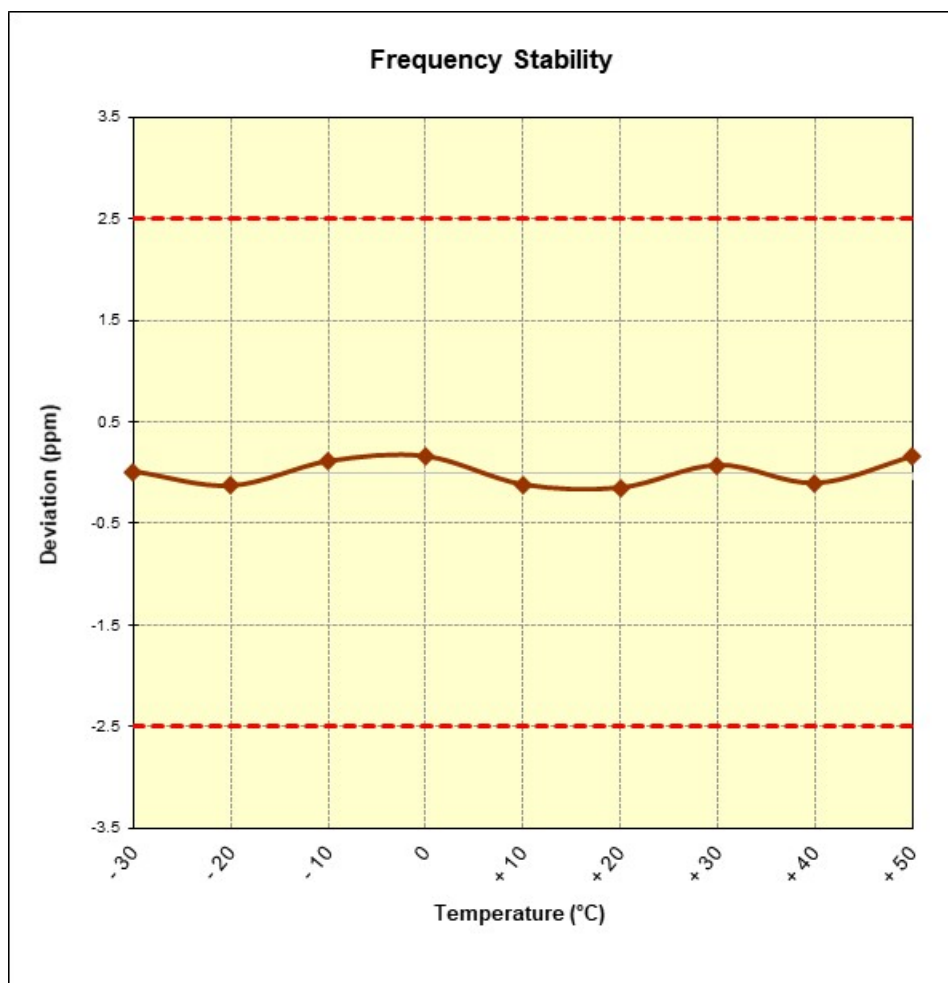


Figure 7-11. Frequency Stability Graph (Band 26/5)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
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Band 66/4 Frequency Stability Measurements

OPERATING FREQUENCY: 1,745,000,000 Hz
 CHANNEL: 132322
 REFERENCE VOLTAGE: 4.27 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	1,744,999,928	-72	-0.0000041
100 %		- 20	1,745,000,137	137	0.0000079
100 %		- 10	1,744,999,883	-117	-0.0000067
100 %		0	1,745,000,205	205	0.0000117
100 %		+ 10	1,745,000,056	56	0.0000032
100 %		+ 20	1,745,000,111	111	0.0000064
100 %		+ 30	1,744,999,881	-119	-0.0000068
100 %		+ 40	1,744,999,960	-40	-0.0000023
100 %		+ 50	1,744,999,991	-9	-0.0000005
BATT. ENDPOINT	3.51	+ 20	1,744,999,855	-145	-0.0000083

Table 7-39. Frequency Stability Data (Band 66/4)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 66/4 Frequency Stability Measurements

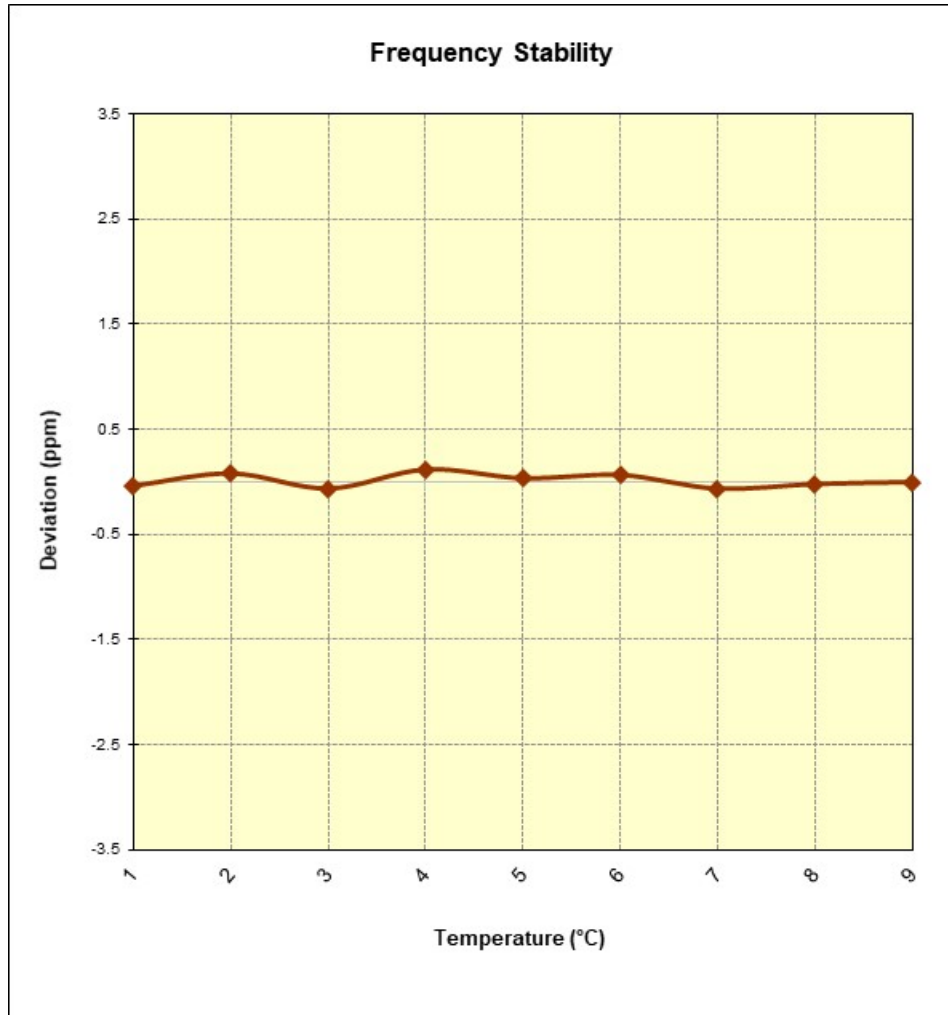


Figure 7-12. Frequency Stability Graph (Band 66/4)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
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Band 25/2 Frequency Stability Measurements

OPERATING FREQUENCY: 1,880,000,000 Hz
 CHANNEL: 18900
 REFERENCE VOLTAGE: 4.27 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	1,879,999,822	-178	-0.0000095
100 %		- 20	1,879,999,850	-150	-0.0000080
100 %		- 10	1,880,000,121	121	0.0000064
100 %		0	1,879,999,527	-473	-0.0000252
100 %		+ 10	1,880,000,175	175	0.0000093
100 %		+ 20	1,880,000,119	119	0.0000063
100 %		+ 30	1,879,999,940	-60	-0.0000032
100 %		+ 40	1,879,999,883	-117	-0.0000062
100 %		+ 50	1,880,000,071	71	0.0000038
BATT. ENDPOINT	3.51	+ 20	1,879,999,841	-159	-0.0000085

Table 7-40. Frequency Stability Data (Band 25/2)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 25/2 Frequency Stability Measurements

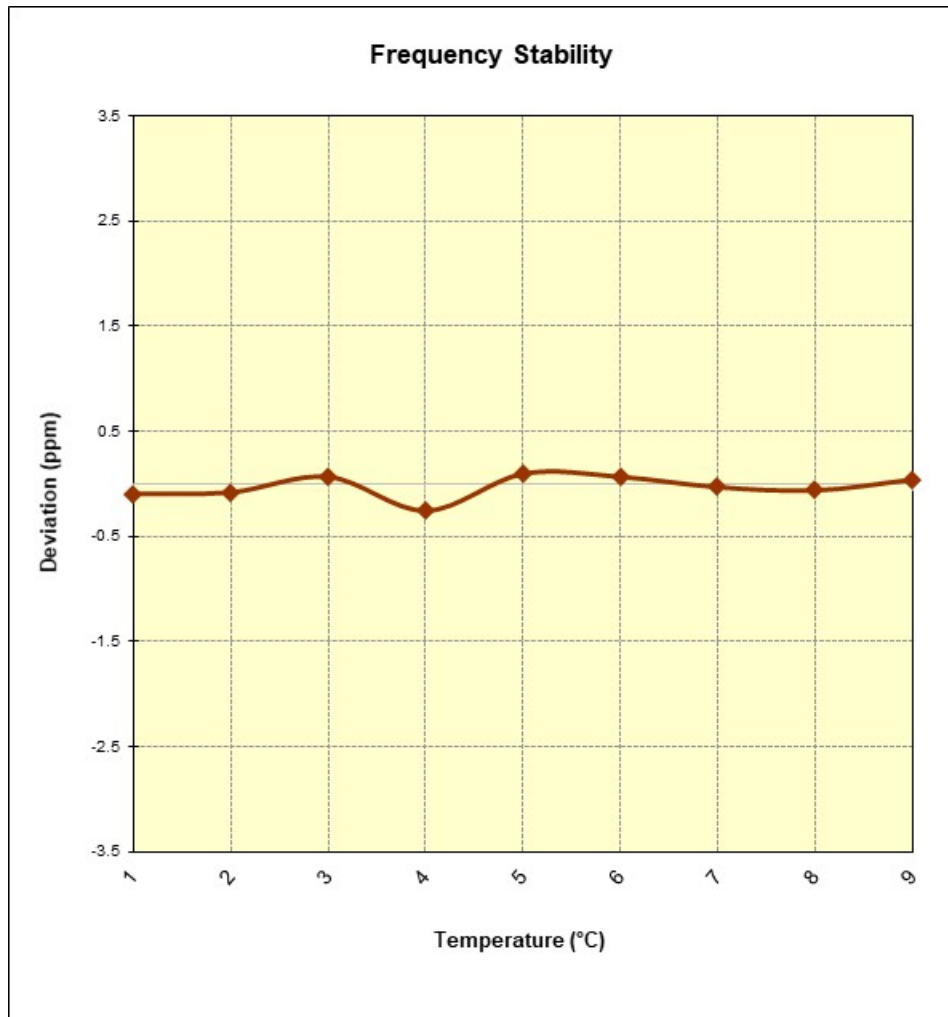


Figure 7-13. Frequency Stability Graph (Band 25/2)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 41 Frequency Stability Measurements

OPERATING FREQUENCY: 2,593,000,000 Hz
 CHANNEL: 40620
 REFERENCE VOLTAGE: 4.27 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	2,593,000,045	45	0.0000017
100 %		- 20	2,592,999,992	-8	-0.0000003
100 %		- 10	2,592,999,794	-206	-0.0000079
100 %		0	2,593,000,056	56	0.0000022
100 %		+ 10	2,592,999,945	-55	-0.0000021
100 %		+ 20	2,593,000,126	126	0.0000049
100 %		+ 30	2,592,999,921	-79	-0.0000030
100 %		+ 40	2,593,000,228	228	0.0000088
100 %		+ 50	2,593,000,365	365	0.0000141
BATT. ENDPOINT	3.51	+ 20	2,592,999,595	-405	-0.0000156

Table 7-41. Frequency Stability Data (Band 41)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 41 Frequency Stability Measurements

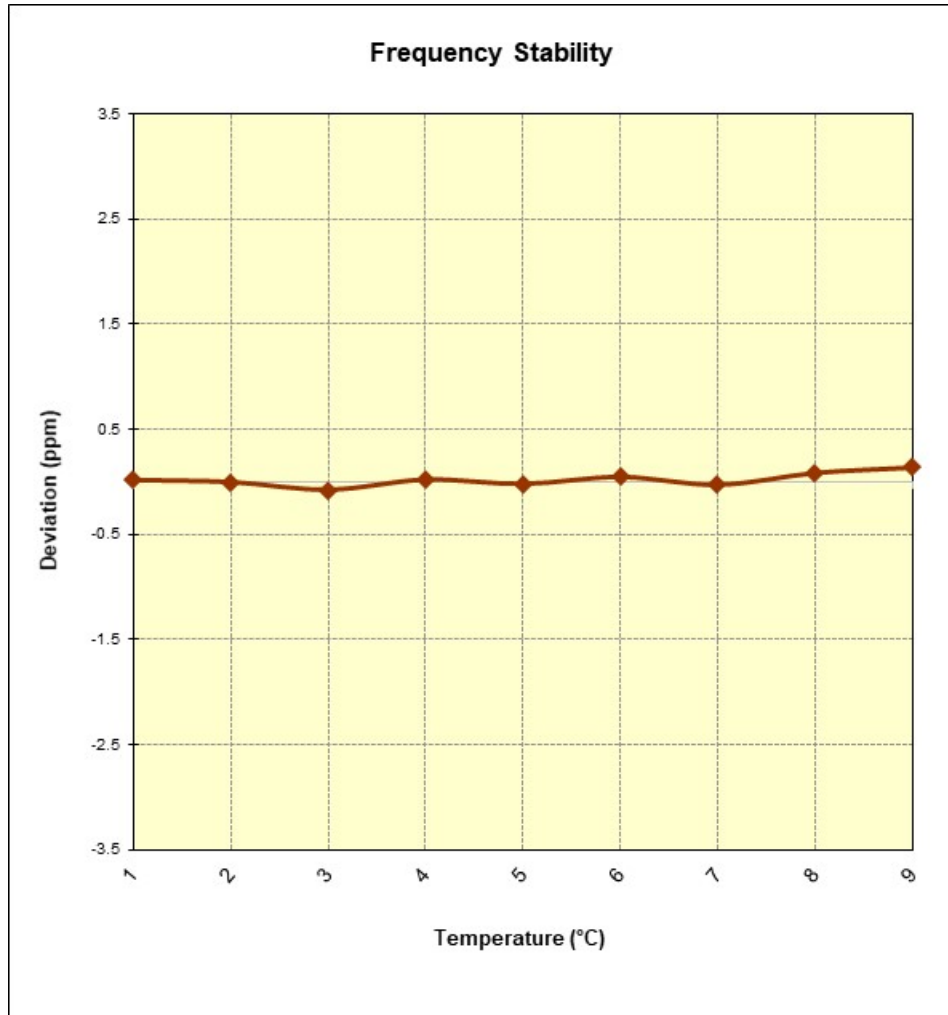


Figure 7-14. Frequency Stability Graph (Band 41)

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LG Portable Tablet FCC ID: ZNFT600TS** complies with all the requirements of Part 22, 24, & 27 of the FCC Rules for LTE operation only.

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