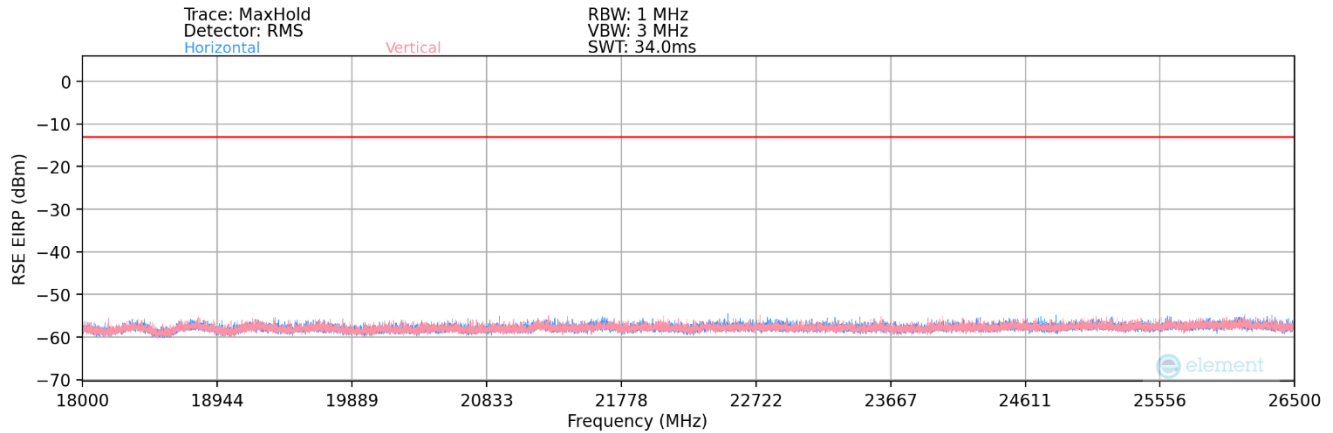
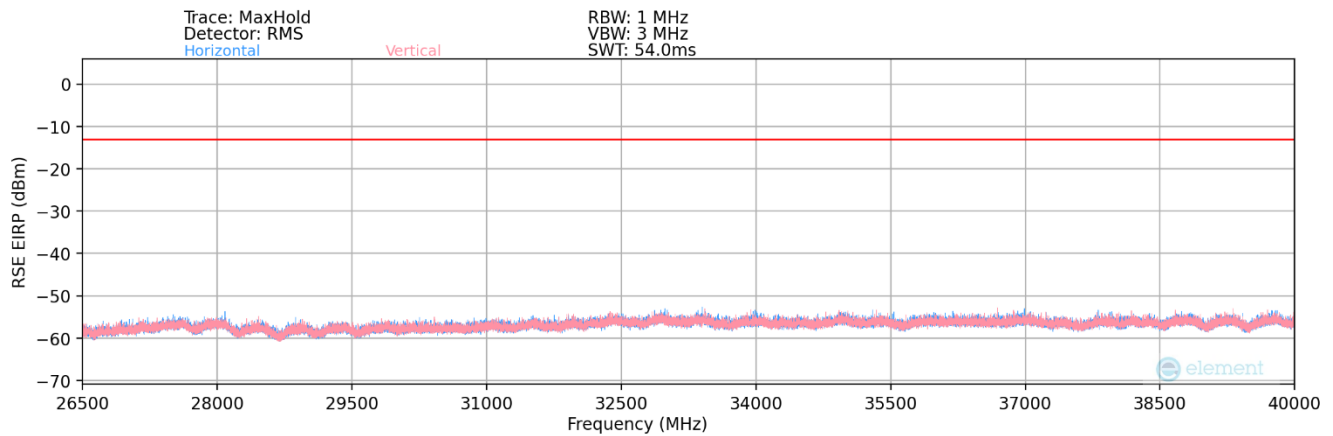




Plot 7-146. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S4)



Plot 7-147. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S4)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3125.00	V	112	251	-58.86	6.95	55.09	-40.17	-13.00	-27.17
7500.00	V	-	-	-67.85	7.52	46.67	-48.59	-13.00	-35.59
11250.00	V	-	-	-72.94	12.55	46.61	-48.65	-13.00	-35.65
15000.00	V	-	-	-73.02	17.05	51.03	-44.23	-13.00	-31.23
18750.00	V	-	-	-56.32	-3.24	47.44	-57.36	-13.00	-44.36
22500.00	V	-	-	-57.28	-3.52	46.20	-58.60	-13.00	-45.60
26250.00	V	-	-	-54.41	-2.31	50.28	-54.52	-13.00	-41.52
30000.00	V	-	-	-56.74	0.41	50.67	-54.13	-13.00	-41.13
33750.00	V	-	-	-56.03	-0.51	50.46	-54.34	-13.00	-41.34

Table 7-40. Radiated Spurious Data (NR Band n77 – Low Channel – Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3210.00	V	115	254	-57.31	6.95	56.64	-38.62	-13.00	-25.62
7680.00	V	-	-	-68.56	7.29	45.73	-49.53	-13.00	-36.53
11520.00	V	-	-	-71.64	11.44	46.80	-48.46	-13.00	-35.46
15360.00	V	-	-	-72.79	15.66	49.87	-45.39	-13.00	-32.39
19200.00	V	-	-	-54.68	-3.25	49.07	-55.73	-13.00	-42.73
23040.00	V	-	-	-54.79	-3.57	48.64	-56.16	-13.00	-43.16
26880.00	V	-	-	-54.05	-1.79	51.16	-53.64	-13.00	-40.64
30720.00	V	-	-	-56.23	0.38	51.15	-53.65	-13.00	-40.65
34560.00	V	-	-	-55.69	-0.53	50.78	-54.02	-13.00	-41.02

Table 7-41. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant S4)

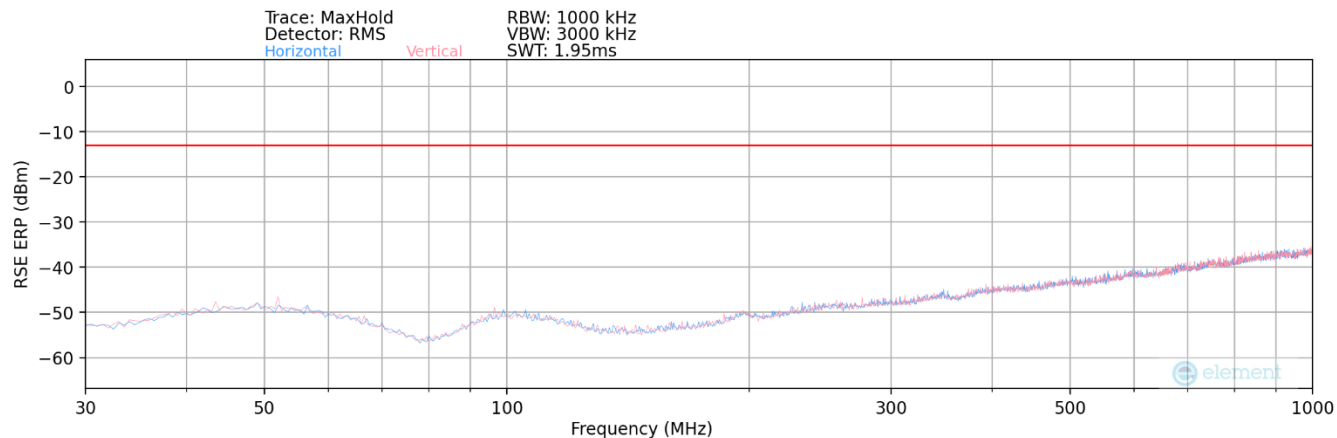
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3305.00	V	110	258	-55.69	6.95	58.26	-37.00	-13.00	-24.00
7860.00	V	-	-	-70.49	8.43	44.94	-50.32	-13.00	-37.32
11790.00	V	-	-	-72.28	12.66	47.38	-47.88	-13.00	-34.88
15720.00	V	-	-	-73.01	14.97	48.96	-46.30	-13.00	-33.30
19650.00	V	-	-	-57.32	-3.50	46.18	-58.62	-13.00	-45.62
23580.00	V	-	-	-57.48	-3.61	45.91	-58.89	-13.00	-45.89
27510.00	V	-	-	-54.12	-1.15	51.73	-53.07	-13.00	-40.07
31440.00	V	-	-	-56.88	0.64	50.76	-54.04	-13.00	-41.04
35370.00	V	-	-	-56.41	-0.33	50.26	-54.54	-13.00	-41.54

Table 7-42. Radiated Spurious Data (NR Band n77 – High Channel – Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 C Band – Ant S3

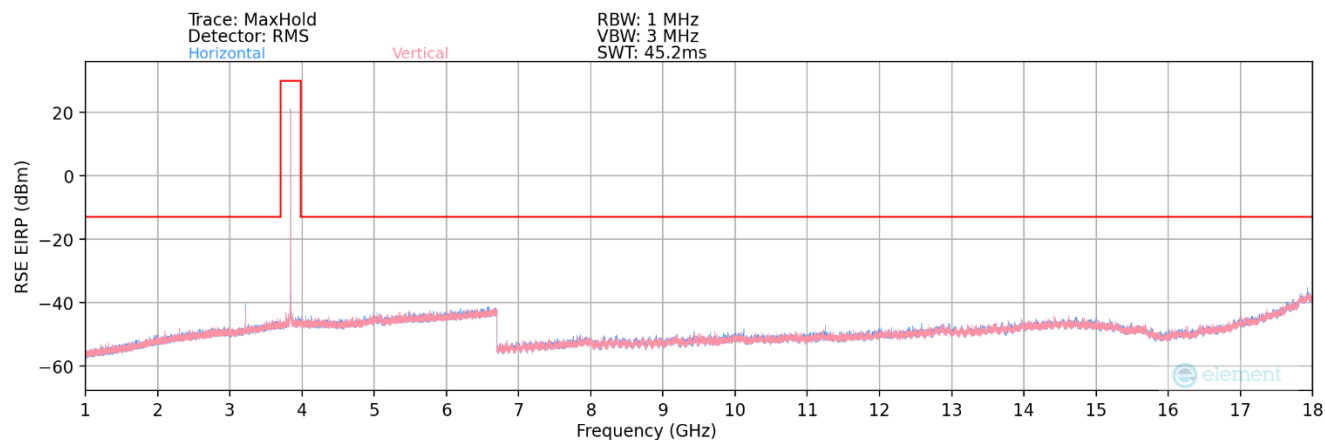


Plot 7-148. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S3)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/135
Mode:	Stand Alone

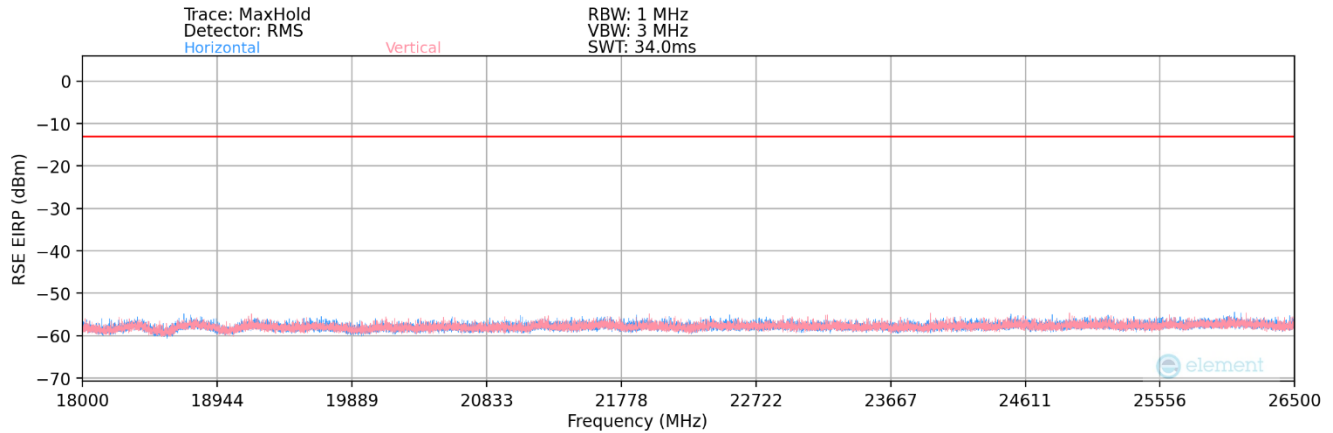
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
998.35	H	-	-	-78.62	31.51	59.89	-37.52	-13.00	-24.52

Table 7-43. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant S3)

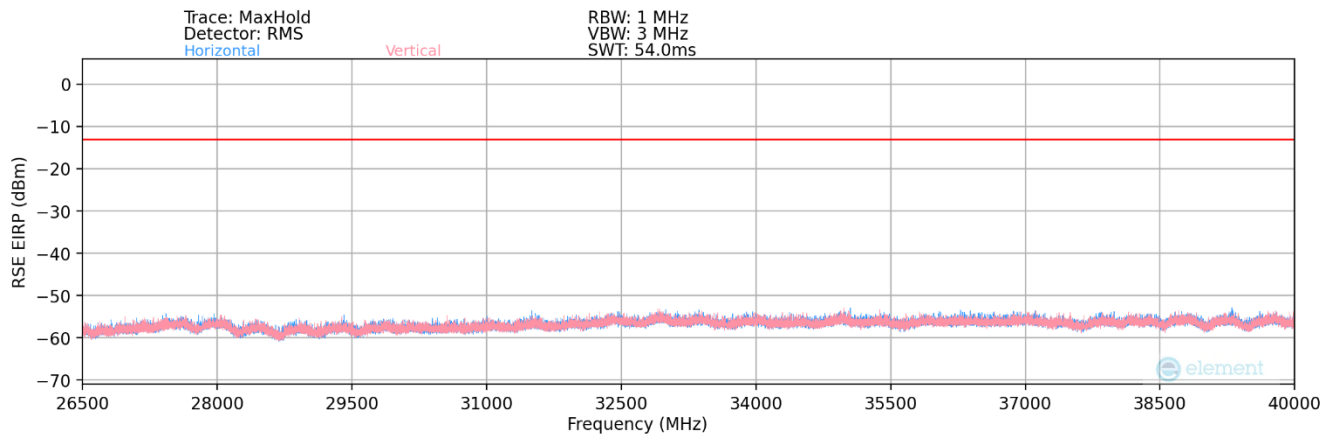


Plot 7-149. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-150. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S3)



Plot 7-151. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S3)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3125.00	H	121	32	-59.26	6.95	54.69	-40.57	-13.00	-27.57
7500.00	H	-	-	-67.82	7.52	46.70	-48.56	-13.00	-35.56
11250.00	H	-	-	-73.04	12.55	46.51	-48.75	-13.00	-35.75
15000.00	H	-	-	-72.78	17.05	51.27	-43.99	-13.00	-30.99
18750.00	H	-	-	-56.32	-3.24	47.44	-57.36	-13.00	-44.36
22500.00	H	-	-	-57.19	-3.52	46.29	-58.51	-13.00	-45.51
26250.00	H	-	-	-54.44	-2.31	50.25	-54.55	-13.00	-41.55
30000.00	H	-	-	-56.94	0.41	50.47	-54.33	-13.00	-41.33
33750.00	H	-	-	-56.17	-0.51	50.32	-54.48	-13.00	-41.48

Table 7-44. Radiated Spurious Data (NR Band n77 – Low Channel – Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3210.00	H	119	29	-58.11	6.95	55.84	-39.42	-13.00	-26.42
7680.00	H	-	-	-68.24	7.29	46.05	-49.21	-13.00	-36.21
11520.00	H	-	-	-71.36	11.44	47.08	-48.18	-13.00	-35.18
15360.00	H	-	-	-73.14	15.66	49.52	-45.74	-13.00	-32.74
19200.00	H	-	-	-55.15	-3.25	48.60	-56.20	-13.00	-43.20
23040.00	H	-	-	-54.87	-3.57	48.56	-56.24	-13.00	-43.24
26880.00	H	-	-	-54.35	-1.79	50.86	-53.94	-13.00	-40.94
30720.00	H	-	-	-56.44	0.38	50.94	-53.86	-13.00	-40.86
34560.00	H	-	-	-55.98	-0.53	50.49	-54.31	-13.00	-41.31

Table 7-45. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant S3)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3305.00	H	120	22	-56.79	6.95	57.16	-38.10	-13.00	-25.10
7860.00	H	-	-	-70.49	8.43	44.94	-50.32	-13.00	-37.32
11790.00	H	-	-	-72.47	12.66	47.19	-48.07	-13.00	-35.07
15720.00	H	-	-	-73.13	14.97	48.84	-46.42	-13.00	-33.42
19650.00	H	-	-	-57.29	-3.50	46.21	-58.59	-13.00	-45.59
23580.00	H	-	-	-57.23	-3.61	46.16	-58.64	-13.00	-45.64
27510.00	H	-	-	-54.12	-1.15	51.73	-53.07	-13.00	-40.07
31440.00	H	-	-	-56.89	0.64	50.75	-54.05	-13.00	-41.05
35370.00	H	-	-	-56.55	-0.33	50.12	-54.68	-13.00	-41.68

Table 7-46. Radiated Spurious Data (NR Band n77 – High Channel – Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.8 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

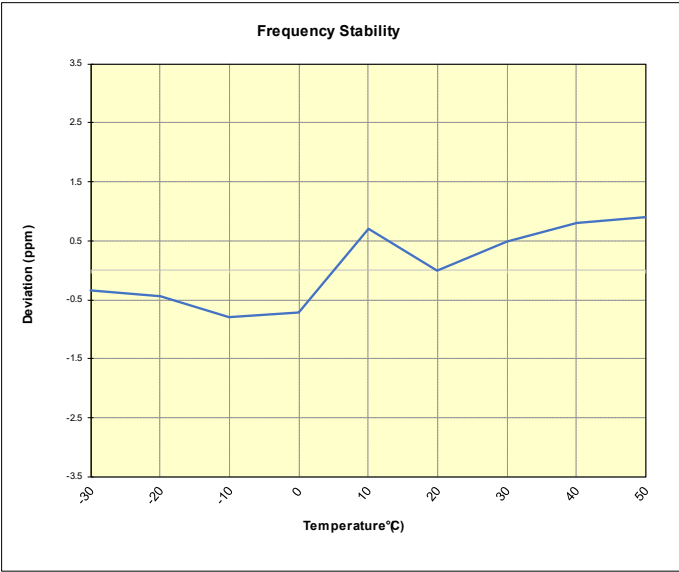
None

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77

NR Band n77					
		Operating Frequency (Hz):		3,840,000,000	
		Ref. Voltage (VDC):		3.863	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	3,840,101,425	-1,304	-0.0000340
		- 20	3,840,101,007	-1,722	-0.0000448
		- 10	3,840,099,689	-3,040	-0.0000792
		0	3,840,099,998	-2,731	-0.0000711
		+ 10	3,840,105,399	2,670	0.0000695
		+ 20 (Ref)	3,840,102,729	0	0.0000000
		+ 30	3,840,104,626	1,897	0.0000494
		+ 40	3,840,105,809	3,080	0.0000802
		+ 50	3,840,106,222	3,493	0.0000910
Battery Endpoint	3.174	+ 20	3,840,103,444	715	0.0000186

Table 7-47. NR Band n77 Frequency Stability Data



Plot 7-152. NR Band n77 Frequency Stability Chart

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Electronics Co., Ltd. Portable Tablet FCC ID: A3LSMX828U** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 123 of 123