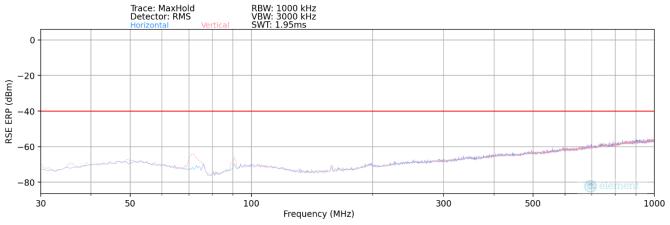


# NR Band n48 – Ant S4

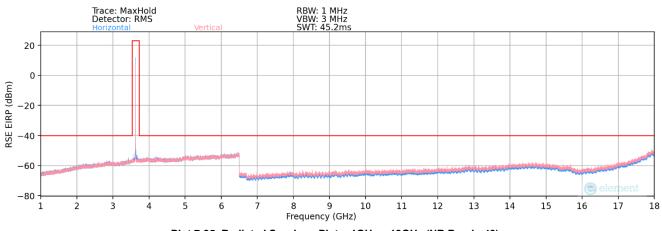


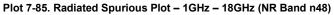


Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
71.28	V	179	67	-89.84	15.73	32.89	-64.52	-40.00	-24.52
90.16	V	165	71	-92.15	16.83	31.68	-65.72	-40.00	-25.72

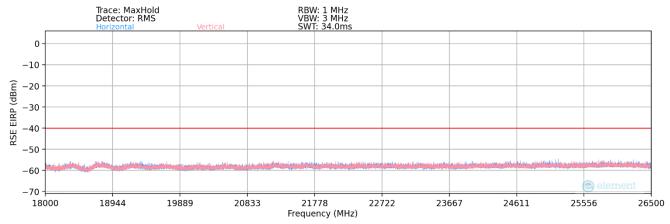
Table 7-36. Radiated Spurious Data - Below 1GHz (NR Band n48)

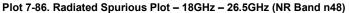


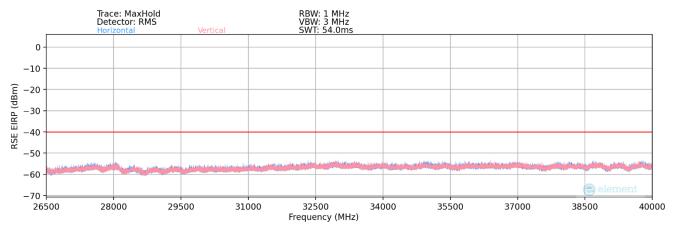


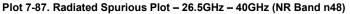
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dage 94 of 109		
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Bandwidth (MHz):	andwidth (MHz): 40								
Frequency (MHz):	3570.0								
Modulation Signal:	QPSK								
RB Config (Size / Offset):									
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]
7140.00	Н	-	-	-72.31	-7.90	26.79	-68.47	-40.00	-28.47
10710.00	Н	-	-	-71.29	-3.61	32.10	-63.16	-40.00	-23.16
14280.00	Н	-	-	-71.59	1.35	36.76	-58.49	-40.00	-18.49
17850.00	Н	-	-	-73.51	9.47	42.96	-52.30	-40.00	-12.30

Table 7-37. Radiated Spurious Data (NR Band n48 - Low Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dama 05 - f 100		
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Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7250.00	Н	-	-	-72.31	-7.55	27.14	-68.12	-40.00	-28.12
10875.00	Н	-	-	-71.24	-4.02	31.74	-63.52	-40.00	-23.52
14500.00	Н	-	-	-70.94	2.22	38.28	-56.98	-40.00	-16.98
18125.00	Н	-	-	-55.41	-3.22	48.37	-56.43	-40.00	-16.43

Table 7-38. Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

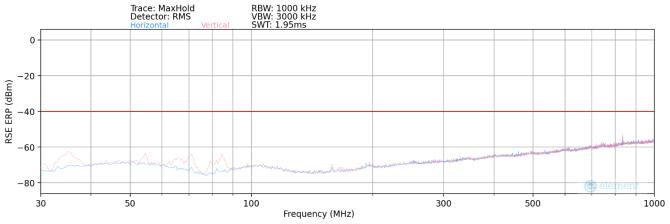
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
7360.00	Н	-	-	-72.45	-7.53	27.02	-68.23	-40.00	-28.23	
11040.00	Н	-	-	-71.32	-3.48	32.20	-63.05	-40.00	-23.05	
14720.00	Н	-	-	-72.04	2.69	37.65	-57.61	-40.00	-17.61	
18400.00	Н	-	-	-55.39	-3.24	48.37	-56.43	-40.00	-16.43	

Table 7-39. Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dega 96 of 109		
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# NR Band n48 – Ant S2

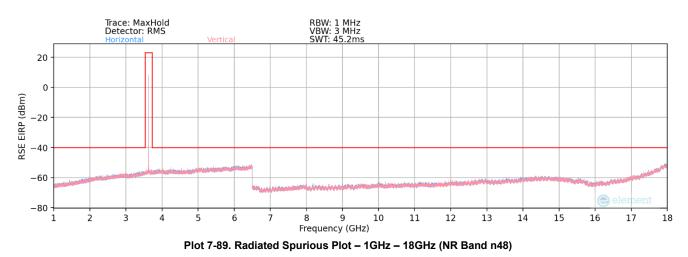




Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

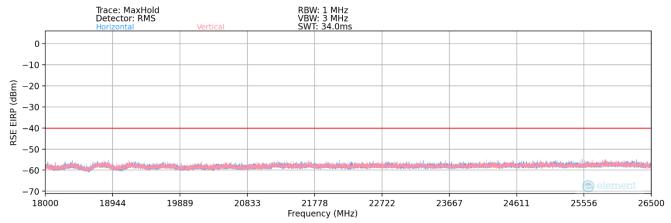
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
72.10	н	165	54	-96.14	15.60	26.46	-70.95	-40.00	-30.95
90.20	н	123	69	-95.32	16.85	28.53	-68.88	-40.00	-28.88

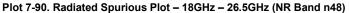
Table 7-40. Radiated Spurious Data - Below 1GHz (NR Band n48)

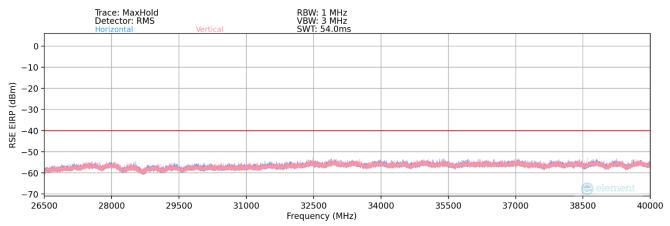


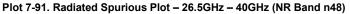
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dega 97 of 109		
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Bandwidth (MHz):	40	40							
Frequency (MHz):	3570.0								
Modulation Signal:	QPSK								
RB Config (Size / Offset):	1 / 53								
Frequency [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]
7140.00	Н	-	-	-72.43	-7.90	26.67	-68.59	-40.00	-28.59
10710.00	Н	-	-	-71.32	-3.61	32.07	-63.19	-40.00	-23.19
14280.00	Н	-	-	-71.69	1.35	36.66	-58.59	-40.00	-18.59
17850.00	Н	-	-	-73.48	9.47	42.99	-52.27	-40.00	-12.27

Table 7-41. Radiated Spurious Data (NR Band n48 - Low Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 of 400			
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Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7250.00	Н	-	-	-72.35	-7.55	27.10	-68.16	-40.00	-28.16
10875.00	Н	-	-	-71.18	-4.02	31.80	-63.46	-40.00	-23.46
14500.00	Н	-	-	-71.09	2.22	38.13	-57.13	-40.00	-17.13
18125.00	H	-	-	-55.38	-3.22	48.40	-56.40	-40.00	-16.40

Table 7-42. Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

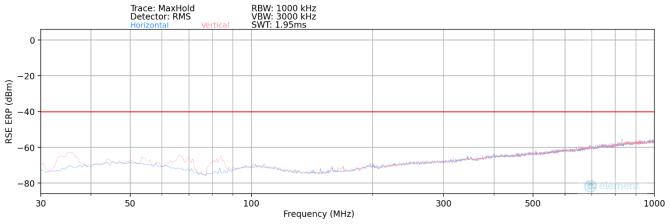
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7360.00	н	-	-	-72.37	-7.53	27.10	-68.15	-40.00	-28.15
11040.00	н	-	-	-71.39	-3.48	32.13	-63.12	-40.00	-23.12
14720.00	Н	-	-	-72.24	2.69	37.45	-57.81	-40.00	-17.81
18400.00	н	-	-	-55.34	-3.24	48.42	-56.38	-40.00	-16.38

 Table 7-43. Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dege 90 of 109			
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# NR Band n48 – Ant M2

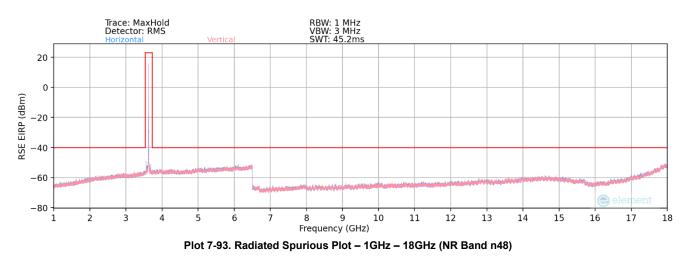




Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

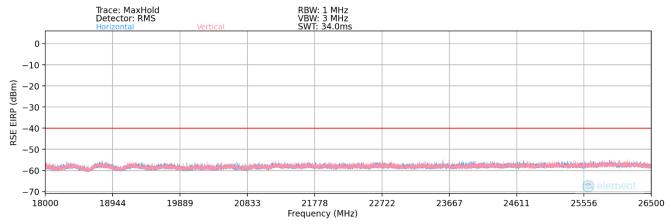
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
71.40	V	179	67	-97.88	15.68	24.80	-72.61	-40.00	-32.61
90.40	V	165	71	-93.23	16.91	30.68	-66.73	-40.00	-26.73

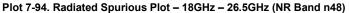
Table 7-44. Radiated Spurious Data - Below 1GHz (NR Band n48)

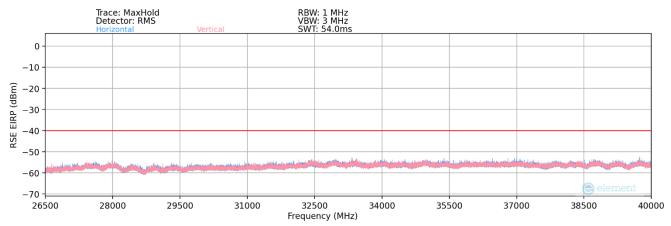


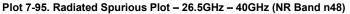
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dega 00 of 109			
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Bandwidth (MHz):	40	40							
Frequency (MHz):	3570.0								
Modulation Signal:	QPSK	QPSK							
RB Config (Size / Offset):	1 / 53								
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]
7140.00	н	-	-	-72.29	-7.90	26.81	-68.45	-40.00	-28.45
10710.00	Н	-	-	-71.34	-3.61	32.05	-63.21	-40.00	-23.21
14280.00	Н	-	-	-71.88	1.35	36.47	-58.78	-40.00	-18.78
17850.00	Н	-	-	-73.94	9.47	42.53	-52.73	-40.00	-12.73

Table 7-45. Radiated Spurious Data (NR Band n48 - Low Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dama 01 of 109	
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Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7250.00	Н	-	-	-72.21	-7.55	27.24	-68.02	-40.00	-28.02
10875.00	Н	-	-	-71.19	-4.02	31.79	-63.47	-40.00	-23.47
14500.00	Н	-	-	-71.08	2.22	38.14	-57.12	-40.00	-17.12
18125.00	Н	-	-	-55.27	-3.22	48.51	-56.29	-40.00	-16.29

Table 7-46. Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

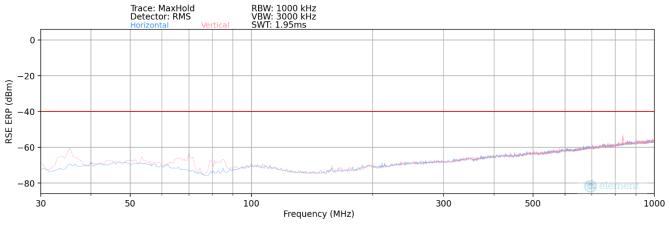
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7360.00	Н	-	-	-72.66	-7.53	26.81	-68.44	-40.00	-28.44
11040.00	н	-	-	-72.14	-3.48	31.38	-63.87	-40.00	-23.87
14720.00	Н	-	-	-72.26	2.69	37.43	-57.83	-40.00	-17.83
18400.00	Н	-	-	-55.01	-3.24	48.75	-56.05	-40.00	-16.05

Table 7-47. Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 92 of 108
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# NR Band n48 – Ant S3

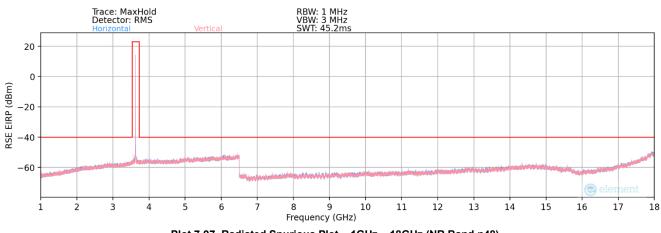


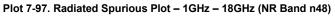


Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
70.90	н	115	6	-96.75	15.88	26.13	-71.28	-40.00	-31.28
90.40	н	123	14	-93.51	16.91	30.40	-67.01	-40.00	-27.01

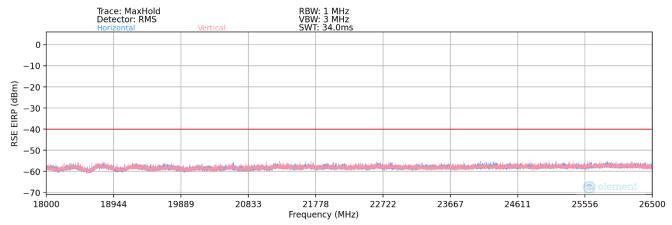
Table 7-48. Radiated Spurious Data - Below 1GHz (NR Band n48)

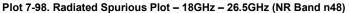


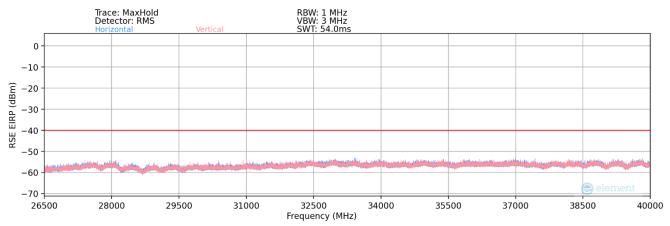


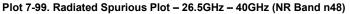
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT	
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Bandwidth (MHz):	Bandwidth (MHz): 40								
Frequency (MHz):	3570.0								
Modulation Signal:	Nodulation Signal: QPSK								
RB Config (Size / Offset):	1 / 53								
Frequency [MHz]	Ant. Pol. [H/V]	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]
7140.00	н	-	-	-72.24	-7.90	26.86	-68.40	-40.00	-28.40
10710.00	Н	-	-	-71.37	-3.61	32.02	-63.24	-40.00	-23.24
14280.00	Н	-	-	-71.68	1.35	36.67	-58.58	-40.00	-18.58
17850.00	Н			-72.88	9.47	43.59	-51.67	-40.00	-11.67

Table 7-49. Radiated Spurious Data (NR Band n48 - Low Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dama 04 of 100
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Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7250.00	Н	-	-	-72.19	-7.55	27.26	-68.00	-40.00	-28.00
10875.00	Н	-	-	-71.35	-4.02	31.63	-63.63	-40.00	-23.63
14500.00	Н	-	-	-71.12	2.22	38.10	-57.16	-40.00	-17.16
18125.00	H	-	-	-55.29	-3.22	48.49	-56.31	-40.00	-16.31

Table 7-50. Radiated Spurious Data (NR Band n48 - Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

Fre	equency [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]
	7360.00	Н	-	-	-72.24	-7.53	27.23	-68.02	-40.00	-28.02
	11040.00	н	-	-	-71.43	-3.48	32.09	-63.16	-40.00	-23.16
	14720.00	Н	-	-	-72.29	2.69	37.40	-57.86	-40.00	-17.86
	18400.00	Н	-	-	-55.27	-3.24	48.49	-56.31	-40.00	-16.31

 Table 7-51. Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	Test Dates: EUT Type:			
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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 96, 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

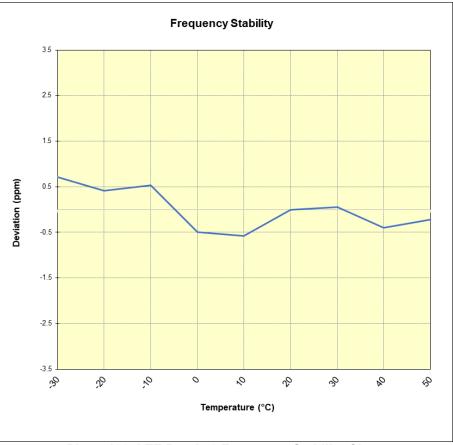
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# Frequency Stability / Temperature Variation

LTE Band 48											
	Operating Fre	equency (Hz):	3,625,00	00,000							
	Ref. V	oltage (VDC):	3.86	63							
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)						
		- 30	3,625,025,477	2,566	0.0000708						
		- 20	3,625,024,394	1,483	0.0000409						
		- 10	3,625,024,831	1,920	0.0000530						
		0	3,625,021,129	-1,782	-0.0000492						
100 %	3.863	+ 10	3,625,020,807	-2,104	-0.0000580						
		+ 20 (Ref)	3,625,022,911	0	0.0000000						
		+ 30	3,625,023,111	200	0.0000055						
		+ 40	3,625,021,447	-1,464	-0.0000404						
		+ 50	3,625,022,114	-797	-0.0000220						
Battery Endpoint	3.170	+ 20	3,625,024,555	1,644	0.0000454						

Table 7-52. LTE Band 48 Frequency Stability Data



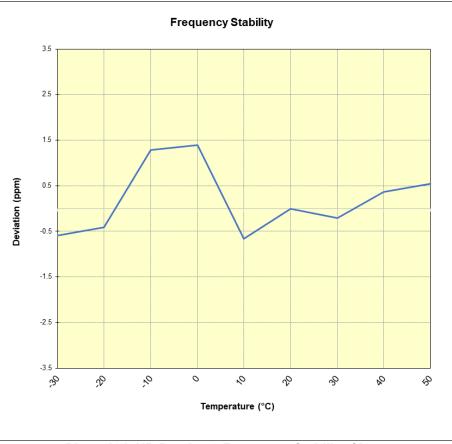


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NR Band	n48				
	Operating Fre	equency (Hz):	3,625,00	0,000	
	Ref. V	oltage (VDC):	3.86	63	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
		- 30	3,625,000,104	-2,130	-0.0000588
		- 20	3,625,000,748	-1,486	-0.0000410
		- 10	3,625,006,892	4,658	0.0001285
		0	3,625,007,283	5,049	0.0001393
100 %	3.863	+ 10	3,624,999,828	-2,406	-0.0000664
		+ 20 (Ref)	3,625,002,234	0	0.0000000
		+ 30	3,625,001,478	-756	-0.0000209
		+ 40	3,625,003,544	1,310	0.0000361
		+ 50	3,625,004,222	1,988	0.0000548
Battery Endpoint	3.170	+ 20	3,625,001,999	-235	-0.0000065

Table 7-53. NR Band n48 Frequency Stability Data



### Plot 7-101. NR Band n48 Frequency Stability Chart

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### 7.9 End User Device Additional Requirement (CBSD Protocol)

#### Test Overview and Limit

End user device additional requirements (CBSD Protocol) are tested per the test procedures listed below. During testing, the EUT is connected to a certified LTE CBSD (Ruckus FCC ID: S9GQ910US00) or to a certified NR CBSD (FCC ID: PIDAV2700) as a companion device to show compliance with Part 96.47.

End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

#### Test Procedure Used

KDB 940660 D01 v03, WINNF-18-IN-00178 v1.0.0.00

#### Test Setup/Method

The EUT was connected via an RF cable to a certified CBSD and spectrum analyzer. The following procedure is performed by applying WINNF-TS-0122 CBRS CBSD Test Specification.

- 1. Run#1:
  - a. Setup WINNF.PT.C.HBT.1 with 3615MHz 3635MHz.
  - b. Enable AP service from Ruckus Cloud management.
  - c. Check EUT Tx frequency.
  - d. Disable AP service from Ruckus Cloud management and check EUT stop transmission within 10s.
- 2. Run#2:
  - a. Setup WINNF.PT.C.HBT.1 with 3660MHz 3680MHz.
  - b. Enable AP service from Ruckus Cloud management.
  - c. Check EUT Tx frequency.
  - d. Disable AP service from Ruckus Cloud management and check EUT stop transmission within 10s.

#### <u>Test Notes</u>

The EUT is an End User Device.

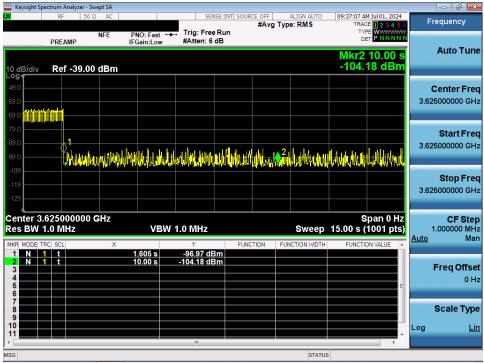
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT			
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# Run#1: LTE Band B48

Keysight Spe	RF	50 Ω			SEI	NSE:INT SOUR	RCE OFF	ALIGN AUTO	09:12:10 A	M Jul 01, 2024		
			NFE	PNO: Fast 🖵	Trig: Fre		#Avg Typ Avg Hold	be: RMS I:>100/100	TRAC TYI	DE 123456 PE M WWWW ET P N N N N N	Frequ	uency
) dB/div	Ref -3	9.00 c	lBm	IFGain:Low	#Atten: 6	dB		Mk	r2 3.635		Aı	uto Tur
3.0											Cer 3.62500	nter Fre
9.0 <b></b>					Jun						<b>S</b> i 3.55000	tart Fre
9.0 <b></b>	attanasattata	Paulinne	w <b>i-b</b> 7wh11041		1	2	valumnaaalur	woodinalge	with the state of	uhan paniha Am	<b>S</b> 3.70000	<b>top Fr</b> 0000 G
9.0 <b></b>												CF St 0000 M M
19											Fre	e <b>q Offs</b> 0
29												ale Ty
enter 3.6 es BW 1.		HZ		VBW	50 MHz			Sweep	Span 1 1.000 ms (	50.0 MHz (1001 pts)	209	-
G								STAT		,		

Plot 7-102. Run#1 End User Device Frequency of Operations



Plot 7-103. Run#1 End User Device Discontinues Operations within 10s

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## Note:

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation.

Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

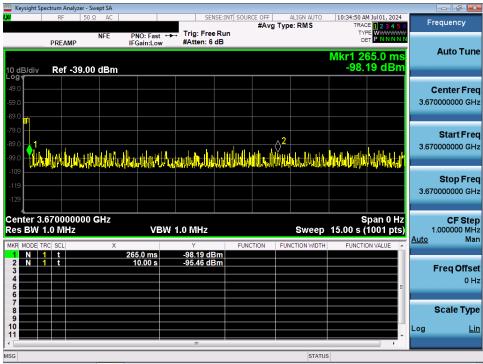
FCC ID: A3LSMX828U		Approved by: Technical Manager	
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# Run#2: LTE Band B48

Keysight Spe	RF	50 Ω AC		SENSEITN	T SOURCE OFF	ALIGN AUTO	10:12:33 0	M Jul 01, 2024		- P - X
		NFE	PNO: Fast 😱	Trig: Free Run #Atten: 6 dB	#Avg T	ype: RMS ld:>100/100	TRAC	CE 1 2 3 4 5 6 PE M WWWWWW FT P N N N N N	Frequ	iency
) dB/div	PREAMP Ref -39	.00 dBm	IFGain:Low	#Atten: 6 dB		Mkı	1 3.665	00 GHz 58 dBm	Αι	ito Tun
9.0										<b>iter Fre</b> 0000 GH
i9.0 i9.0							<u>Nillin</u>			t <b>art Fre</b> 0000 GH
79.0 39.0 <b>magdamet</b>	profiler and profiler	honordetectionary	+h-1)-lleasorlehttonesorle	LVC-pa-classftaffaageeteetee	ethurtenstruk-projeksk	m homen		2 System trainered		<b>top Fre</b> 0000 GH
109										CF Ste 0000 M⊦ Ma
119									Fre	e <b>q Offs</b> o 0 ⊦
129	62500 GI						- Span 1	50.0 MHz	Sc: Log	ale Typ Li
Res BW		12	VBW 5	0 MHz		Sweep	span 1 1.000 ms (	50.0 MHz (1001 pts)		
SG						STATU				

Plot 7-104. Run#2 End User Device Frequency of Operations



Plot 7-105. Run#2 End User Device Discontinues Operations within 10s

FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT		
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## Note:

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation.

Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

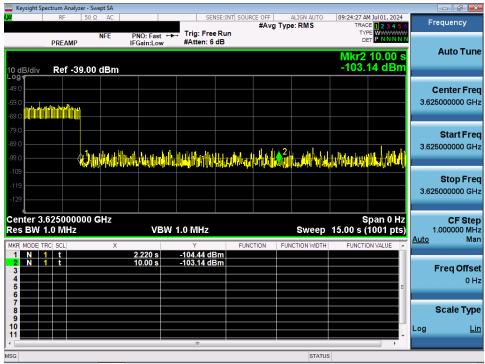
FCC ID: A3LSMX828U		PART 96 MEASUREMENT REPORT		
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## Run#1: NR Band n48

Keysight Sp	ectrum Analy. RF	zer - Swept SA 50 Ω AC		SEN	ISE:INT SOUR	CE OFF	ALIGN AUTO	00.17.31 0	M Jul 01, 2024	_	
	N	NFE	PNO: Fast ↔	Trig: Free		#Avg Ty	/pe: RMS d: 100/100	TRAC	CE 1 2 3 4 5 6 PE M WWWW	Fr	equency
	PREAMP	NFE	IFGain:Low	#Atten: 6					T P NNNNN		
0 dB/div	Ref -3	9.00 dBm					MI	kr2 3.635 -92.9	00 GHz 86 dBm		Auto Tur
										c	enter Fre
19.0										3.625	5000000 GH
9.0											Start Fr
i9.0										3.550	0000000 G
				. MA.							
'9.0				<b>N</b> N 1 8							Stop Fr
19.0				h	2					3.700	0000000 G
And W	harashalihai	mhimples	Marth Martin Martin	r Ma	vyvaly	with ly labored	download and a	whether	and plan or the solar		
9.0										15	CF St .000000 M
										Auto	м
109											
119										i	req Offs
											0
129											
				,							Scale Ty
	62500 G							Span 1	50.0 MHz	Log	Ī
	1.0 MHz		VBW 5	UWHZ				1.000 ms	(1001 pts)		
G							STAT	105			

Plot 7-106. Run#1 End User Device Frequency of Operations





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## Note:

Marker 1: CBSD sends instructions to discontinue NR operations.

- Marker 2: EUT discontinues operation.
- Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

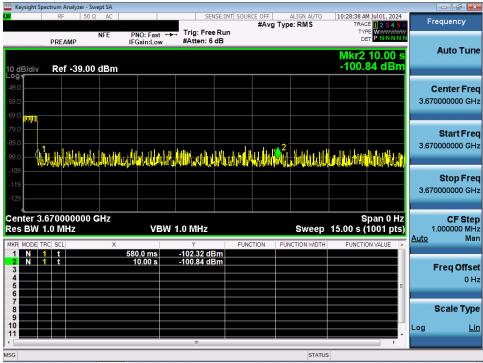
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## Run#2: NR Band n48

Keysight Spe	ectrum Analyz								- 7
u –	RF	50 Ω AC		SENSE:INT SO	URCE OFF #Avg Typ Avg Hold		TRA	M Jul 01, 2024 CE 1 2 3 4 5 6 PE M M N N N N PET P N N N N N	Frequency
0 dB/div	PREAMP Ref -39	9.00 dBm	IFGain:Low #A	tten: 6 dB		Mkr	3.665	00 GHz 50 dBm	Auto Tur
49.0									Center Fre 3.625000000 G⊦
59.0 <b></b> 69.0 <b></b>									<b>Start Fre</b> 3.550000000 GF
79.0 89.0		t dat at maliadu	hvoldogradially papers for	to a contratical an		1 - 1		2	<b>Stop Fre</b> 3.700000000 Gi
9.0	And and a start	llonnan (nordinara)	Alexand a la serie a d'Alexand a la	ulo dan culo	arda india andia da	a ni nerde de servire	Baran.	an de secentre l'aleman	CF Sto 15.000000 M <u>Auto</u> M
119									Freq Offs 0
enter 3.6	62500 <u>G</u>	Hz					Span_1	150.0 MHz	Scale Typ
Res BW			VBW 50 N	1Hz		Sweep 1.	000 ms	(1001 pts)	
SG						STATUS			

Plot 7-108. Run#2 End User Device Frequency of Operations



Plot 7-109. Run#2 End User Device Discontinues Operations within 10s

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## Note:

Marker 1: CBSD sends instructions to discontinue NR operations.

- Marker 2: EUT discontinues operation.
- Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

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# 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Tablet FCC ID: A3LSMX828U** complies with all of the End User Device requirements of Part 96 of the FCC Rules for LTE and NR operation.

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