

Keysight Spectrum Analyzer - Occupied E	3W				
L <mark>XI</mark> RLT RF 50Ω AC	CORREC	SENSE:INT Freg: 3.840000000 GHz	ALIGN AUTO 02:44:22 P Radio Std	M Jun 26, 2024	Trace/Detector
Gate: LO	Trig: I	Free Run Avg Hol	d: 100/100		
	#IFGain:Low #Atter	n: 36 dB	Radio Dev	ice: BTS	
10 dB/div Ref 40.00 dB	m				
Log 30.0					
20.0					Clear Write
	not be the standard at	ALL DR. A. Hall Burs of APA			
10.0	Marked Market Marked and	a ha dh'fh fa tha tha tha fa fh a sa a' la an a			
0.00					Average
-10.0					Average
-20.0	dh - luhan		h . dat		
-30.0 man Mult Char And Marin Practices			at the first start and a first start of the start	Marchard	
-40.0					Max Hold
-50.0					
Center 3.84000 GHz			Span 5	0.00 MHz	
Res BW 470 kHz	#	VBW 1.6 MHz		1.133 ms	Min Hald
					Min Hold
Occupied Bandwid	th	Total Power	26.4 dBm		
1	8.435 MHz				Detector
					Peak►
Transmit Freq Error	-59.341 kHz	% of OBW Pow	/er 99.00 %		Auto <u>Man</u>
x dB Bandwidth	19.35 MHz	x dB	-26.00 dB		
MSG			STATUS		
Mod			514105		

Plot 7-72. Occupied Bandwidth Plot (NR Band n77 C Band - 20MHz QPSK - Full RB - Ant M2)



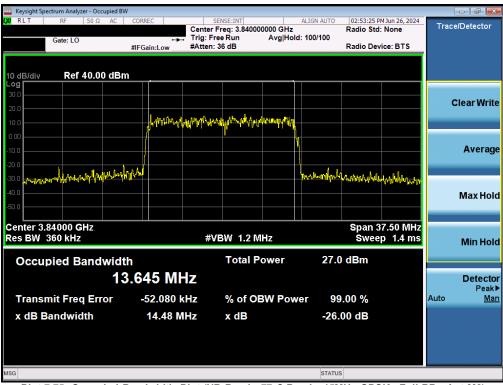
Plot 7-73. Occupied Bandwidth Plot (NR Band n77 C Band - 20MHz 16-QAM - Full RB - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 51 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 51 of 123
© 2024 ELEMENT	·	•	V11.1 08/28/2023



Keysight Spectrum Analyzer - Occupied B					
KLT RF 50Ω AC	CORREC	SENSE:INT AL	IGN AUTO 04:52:01 PN Radio Std:	1 Jul 22, 2024	Trace/Detector
		Free Run Avg Hold: 1		None	
	#IFGain:Low #Atter	n: 32 dB	Radio Devi	ice: BTS	
10 dB/div Ref 40.00 dB	m				
Log 30.0					
					Clear Write
20.0	manatherite	mmmmmmmm			
10.0					
0.00					
-10.0					Average
-20.0					
-30.0 months and the second second	Part -	\v	man to how we want	Norman and	
-40.0					Max Hold
-50.0					INIAX HOIU
Center 3.84000 GHz				7.50 MHz	
Res BW 360 kHz	#	VBW 1.2 MHz	Swe	ep 1 ms	Min Hold
Occurried Develuid	415	Total Power	32.1 dBm		
Occupied Bandwid		Totarrower	52.1 ubiii		
1	2.984 MHz				Detector
Transmit Freg Error	-348.46 kHz	% of OBW Power	99.00 %		Peak▶ Auto Man
-					
x dB Bandwidth	14.05 MHz	x dB	-26.00 dB		
MSG			STATUS		

Plot 7-74. Occupied Bandwidth Plot (NR Band n77 C Band - 15MHz π/2 BPSK - Full RB - Ant M2)



Plot 7-75. Occupied Bandwidth Plot (NR Band n77 C Band - 15MHz QPSK - Full RB - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 52 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 52 of 123
© 2024 ELEMENT	•	•	V11.1 08/28/2023



Keysight Spectrum Analyzer - Occupied	BW				
KLT RF 50Ω AC	CORREC	SENSE:INT ter Freg: 3.840000000 GH		02:53:46 PM Jun 26, 2024 adio Std: None	Trace/Detector
Gate: LO			12 R lold: 100/100	adio Std: None	
Gate: LO		ten: 36 dB		adio Device: BTS	
10 dB/div Ref 40.00 dE	tm				
Log					
30.0					
20.0					Clear Write
10.0	Ally alor du in m	wanderstrates	A _{nt}		
0.00	A BRAND A DAMA A A A A A A A A A A A A A A A A				
			h		Average
-10.0					Average
-20.0					
-30.0 mmmytheter hat hat all all all all all all all all all a	4/N (TWH		- Marin hala	what a second all the form that the	
-40.0					Max Hold
-50.0					maxitora
Center 3.84000 GHz			-	Span 37.50 MHz	
Res BW 360 kHz		#VBW 1.2 MHz		Sweep 1.4 ms	Min Hold
		T (1 D	00.5	D	
Occupied Bandwic	lth	Total Power	26.5 d	BM	
1	3.628 MHz				Detector
					Peak►
Transmit Freq Error	-45.720 kHz	% of OBW Po	ower 99.0	0 %	Auto <u>Man</u>
x dB Bandwidth	14.46 MHz	x dB	-26.00	dB	
	14.40 11112		20.00	чв	
MSG			STATUS		

Plot 7-76. Occupied Bandwidth Plot (NR Band n77 C Band - 15MHz 16-QAM - Full RB - Ant M2)



Plot 7-77. Occupied Bandwidth Plot (NR Band n77 C Band - 10MHz π/2 BPSK - Full RB - Ant M2)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Page 53 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 55 01 125
© 2024 ELEMENT	•	·	V11.1 08/28/2023



Keysight Spectrum Analyzer - Occupied B	W				
LXX RLT RF 50 Ω AC	Trig:	SENSE:INT er Freq: 3.840000000 GHz Free Run Avg Hold n: 36 dB	Radio Std:		Trace/Detector
10 dB/div Ref 40.00 dBi	m .				
20.0	be an all all	the second second			Clear Write
0.00					
-10.0 -20.0 -30.0	maltin		have the reduced of the second		Average
-40.0 -50.0			الملائديا ويستلك مريكه مر	un han han han han han han han han han ha	Max Hold
Center 3.84000 GHz Res BW 240 kHz	#	≠VBW 750 kHz		5.00 MHz 2.133 ms	Min Hold
Occupied Bandwid	th .5676 MHz	Total Power	27.4 dBm		Distantin
o. Transmit Freq Error	-26.343 kHz	% of OBW Powe	er 99.00 %		Detector Peak► Auto <u>Man</u>
x dB Bandwidth	9.250 MHz	x dB	-26.00 dB		
MSG			STATUS		

Plot 7-78. Occupied Bandwidth Plot (NR Band n77 C Band - 10MHz QPSK - Full RB - Ant M2)



Plot 7-79. Occupied Bandwidth Plot (NR Band n77 C Band - 10MHz 16-QAM - Full RB - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 54 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 54 of 123
© 2024 ELEMENT	·	•	V11.1 08/28/2023



7.4 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

For operations in the 3700 – 3980MHz band and the 3450 – 3550MHz band, the maximum permissible conducted power level of any spurious emission is -13dBm/MHz.

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.4

Test Settings

- 1. Start frequency was set to 30MHz and stop frequency was set to the tenth harmonic of the highest transmit frequency (separated into at least two plots per channel)
- 2. Detector = RMS
- 3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
- 4. Sweep time = auto couple
- 5. The trace was allowed to stabilize
- 6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

- 1. Per Part 27.53(I) and Part 27.53(n) compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz.
- 2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Daga EE of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 55 of 123
© 2024 ELEMENT	•		V11.1 08/28/2023



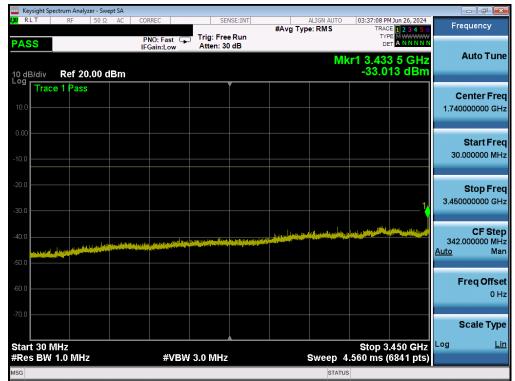
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77PC2		Mid	30.0 - 3450.0	-33.013	-13	-20.01
DoD Band	100MHz	Mid	3550.0 - 20000.0	-25.514	-13	-12.51
DOD Dana		Mid	20000.0 - 40000.0	-48.068	-13	-35.07
	100MHz	Low	30.0 - 3700.0	-31.549	-13	-18.55
		Low	3980.0 - 20000.0	-26.441	-13	-13.44
		Low	20000.0 - 40000.0	-48.614	-13	-35.61
NR-n77PC2		Mid	30.0 - 3700.0	-29.348	-13	-16.35
C Band		Mid	3980.0 - 20000.0	-26.676	-13	-13.68
C Ballu		Mid	20000.0 - 40000.0	-48.597	-13	-35.60
		High	30.0 - 3700.0	-32.955	-13	-19.96
		High	3980.0 - 20000.0	-26.657	-13	-13.66
		High	20000.0 - 40000.0	-49.441	-13	-36.44

Table 7-5. Conducted Emission Test Results – Ant M2

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Daga EC of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 56 of 123
© 2024 ELEMENT		•	V11.1 08/28/2023



NR Band n77 DoD Band – Ant M2



Plot 7-80. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant M2)



Plot 7-81. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dego 57 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 57 of 123
© 2024 ELEMENT	•		V11.1 08/28/2023



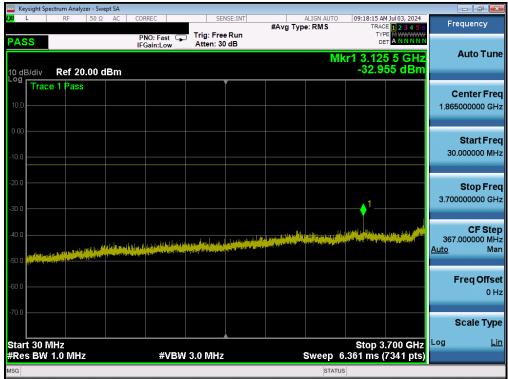


Plot 7-82. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant M2)

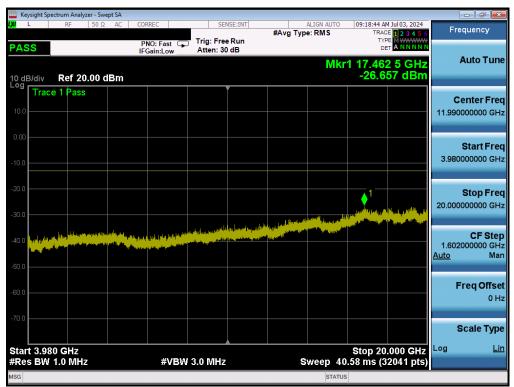
FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 58 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 56 01 125
© 2024 ELEMENT	•		V11.1 08/28/2023



NR Band n77 C Band – Ant M2



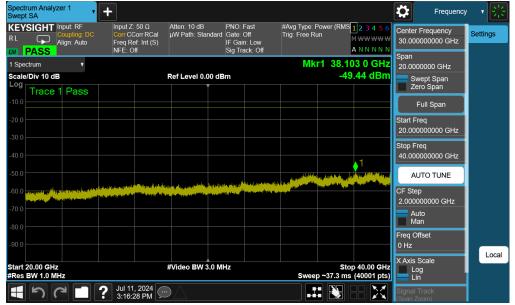
Plot 7-83. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant M2)



Plot 7-84. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant M2)

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 59 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 59 01 125
© 2024 ELEMENT		•	V11.1 08/28/2023





Plot 7-85. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 60 of 122
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 60 of 123
© 2024 ELEMENT		·	V11.1 08/28/2023



Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2		Mid	30.0 - 3450.0	-35.92	-13	-22.92
DoD Band	100MHz	Mid	3550.0 - 20000.0	-26.53	-13	-13.53
DOD Dand		Mid	20000.0 - 40000.0	-48.25	-13	-35.25
		Low	30.0 - 3700.0	-36.17	-13	-23.17
	100MHz	Low	3980.0 - 20000.0	-26.52	-13	-13.52
		Low	20000.0 - 40000.0	-48.55	-13	-35.55
NR-n77 PC2		Mid	30.0 - 3700.0	-36.79	-13	-23.79
C Band		Mid	3980.0 - 20000.0	-27.22	-13	-14.22
C Dariu		Mid	20000.0 - 40000.0	-47.84	-13	-34.84
		High	30.0 - 3700.0	-36.06	-13	-23.06
		High	3980.0 - 20000.0	-27.17	-13	-14.17
		High	20000.0 - 40000.0	-49.1	-13	-36.10

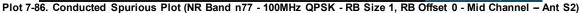
Table 7-6. Conducted Emission Test Results – Ant S2

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type:		Page 61 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 01 01 125
© 2024 ELEMENT	·	•	V11.1 08/28/2023



NR Band n77 DoD Band – Ant S2



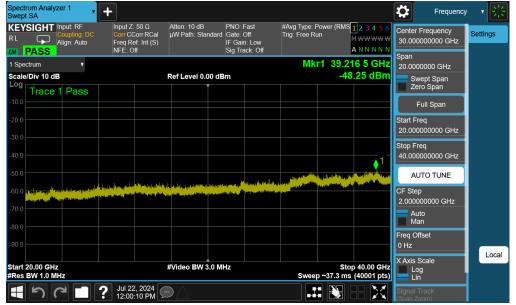




Plot 7-87. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type:		Page 62 of 123	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 62 of 123	
© 2024 ELEMENT	•	•	V11.1 08/28/2023	



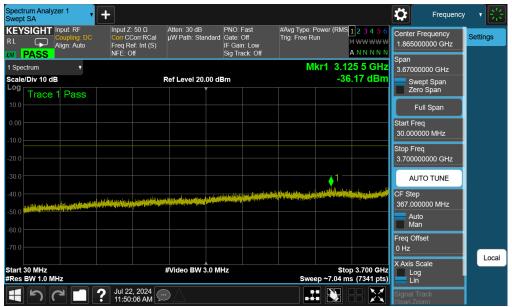


Plot 7-88. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 62 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 63 of 123
© 2024 ELEMENT	•		V11.1 08/28/2023



NR Band n77 C Band – Ant S2



Plot 7-89. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel – Ant S2)



Plot 7-90. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 64 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 64 01 125
© 2024 ELEMENT	•		V11.1 08/28/2023





Plot 7-91. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant S2)

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	Test Dates: EUT Type:	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 65 of 123
© 2024 ELEMENT			V11.1 08/28/2023



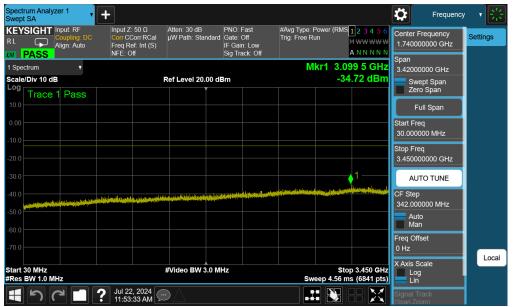
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2		Mid	30.0 - 3450.0	-34.72	-13	-21.72
DoD Band	100MHz	Mid	3550.0 - 20000.0	-27.16	-13	-14.16
DOD Dand		Mid	20000.0 - 40000.0	-49.1	-13	-36.10
		Low	30.0 - 3700.0	-35.95	-13	-22.95
	100MHz	Low	3980.0 - 20000.0	-26.61	-13	-13.61
		Low	20000.0 - 40000.0	-48.95	-13	-35.95
NR-n77 PC2		Mid	30.0 - 3700.0	-34.35	-13	-21.34
C Band		Mid	3980.0 - 20000.0	-26.02	-13	-13.02
C Danu		Mid	20000.0 - 40000.0	-48.69	-13	-35.69
		High	30.0 - 3700.0	-34.68	-13	-21.68
		High	3980.0 - 20000.0	-27.3	-13	-14.30
		High	20000.0 - 40000.0	-47.72	-13	-34.72

Table 7-7. Conducted Emission Test Results – Ant S4

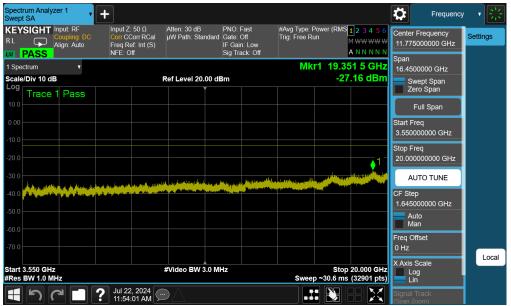
FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type:		Dogo 66 of 102	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 66 of 123	
© 2024 ELEMENT	•	·	V11.1 08/28/2023	



NR Band n77 DoD Band – Ant S4







Plot 7-93. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type:		Dogo 67 of 102	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 67 of 123	
© 2024 ELEMENT	•		V11.1 08/28/2023	



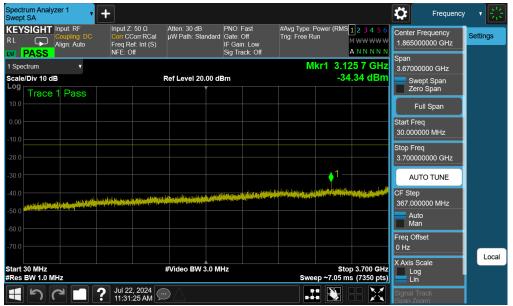


Plot 7-94. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 68 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024		
© 2024 ELEMENT			V11.1 08/28/2023



NR Band n77 C Band – Ant S4







Plot 7-96. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 69 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024		
© 2024 ELEMENT	•	•	V11.1 08/28/2023





Plot 7-97. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dego 70 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Page 70 of 123	
© 2024 ELEMENT	•		V11.1 08/28/2023



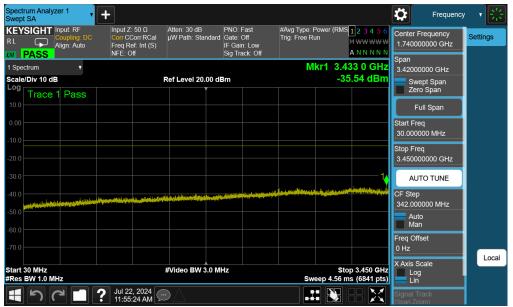
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2		Mid	30.0 - 3450.0	-35.54	-13	-22.54
DoD Band	100MHz	Mid	3550.0 - 20000.0	-27.3	-13	-14.30
DOD Dand		Mid	20000.0 - 40000.0	-48.79	-13	-35.79
	100MHz	Low	30.0 - 3700.0	-36.14	-13	-23.14
		Low	3980.0 - 20000.0	-27.04	-13	-14.04
		Low	20000.0 - 40000.0	-48.93	-13	-35.93
NR-n77 PC2		Mid	30.0 - 3700.0	-35.17	-13	-22.17
C Band		Mid	3980.0 - 20000.0	-27.42	-13	-14.42
C Danu		Mid	20000.0 - 40000.0	-48.07	-13	-35.07
		High	30.0 - 3700.0	-34.24	-13	-21.24
		High	3980.0 - 20000.0	-27.08	-13	-14.08
		High	20000.0 - 40000.0	-48.73	-13	-35.73

Table 7-8. Conducted Emission Test Results – Ant S3

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type:		Page 71 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage / 101125
© 2024 ELEMENT			V11.1 08/28/2023



NR Band n77 DoD Band – Ant S3







Plot 7-99. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 70 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Page 72 of 123	
© 2024 ELEMENT	•		V11.1 08/28/2023





Plot 7-100. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant S3)

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates: EUT Type: 6/10/2024 - 7/18/2024 Portable Tablet		Page 73 of 123
1M2405140039-05.A3L			
© 2024 ELEMENT	•	·	V11.1 08/28/2023



NR Band n77 C Band – Ant S3



Plot 7-101. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel – Ant S3)



Plot 7-102. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dego 74 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Page 74 of 123	
© 2024 ELEMENT	•		V11.1 08/28/2023





Plot 7-103. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant S3)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	Test Dates: EUT Type:			
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	6/10/2024 - 7/18/2024 Portable Tablet			
© 2024 ELEMENT	<u>.</u>	·	V11.1 08/28/2023		



7.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

For operations in the 3700 – 3980MHz band and the 3450 – 3550MHz band, the maximum permissible conducted power level of any out-of-band emission is -13dBm/MHz.

Test Procedure Used

ANSI C63.26-2015 - Section 5.7.3

Test Settings

- 1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
- 2. Span was set large enough so as to capture all out of band emissions near the band edge
- 3. RBW > 1% of the emission bandwidth
- 4. VBW \geq 3 x RBW
- 5. Detector = RMS
- 6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
- 7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
- 8. Sweep time = auto couple
- 9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMX828U		Approved by: Technical Manager			
Test Report S/N:	Test Dates:	EUT Type:	Page 76 of 123		
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	6/10/2024 - 7/18/2024 Portable Tablet			
© 2024 ELEMENT	·		V11.1 08/28/2023		



Test Notes

- 1. Per Part 27.53(I), compliance with the -13dBm/MHz conducted power limit for out-of-band emissions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.
- 2. Per Part 27.53(n), compliance with the -13dBm/MHz conducted power limit for out-of-band emissions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.
- 3. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
- 4. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

FCC ID: A3LSMX828U		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 77 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024 Portable Tablet		Faye // 01 125
© 2024 ELEMENT		·	V11.1 08/28/2023



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
	100MHz	Low	Band Edge	-33.77	-13	-20.77
		High	Band Edge	-37.74	-13	-24.74
	90MHz	Low	Band Edge	-33.96	-13	-20.96
	901VII 12	High	Band Edge	-38.47	-13	-25.47
	80MHz	Low	Band Edge	-32.61	-13	-19.61
		High	Band Edge	-38.49	-13	-25.49
	70MHz	Low	Band Edge	-33.80	-13	-20.80
		High	Band Edge	-37.88	-13	-24.88
	60MHz	Low	Band Edge	-34.71	-13	-21.71
		High	Band Edge	-37.35	-13	-24.35
	50MHz	Low	Band Edge	-33.48	-13	-20.48
NR-n77 PC2		High	Band Edge	-37.36	-13	-24.36
DoD Band	40MHz	Low	Band Edge	-34.69	-13	-21.69
		High	Band Edge	-37.08	-13	-24.08
	30MHz	Low	Band Edge	-32.99	-13	-19.99
		High	Band Edge	-35.90	-13	-22.90
	25MHz	Low	Band Edge	-32.57	-13	-19.57
	ZUNIUZ	High	Band Edge	-35.10	-13	-22.10
	20MHz	Low	Band Edge	-30.52	-13	-17.52
		High	Band Edge	-34.77	-13	-21.77
	15MHz	Low	Band Edge	-29.23	-13	-16.23
		High	Band Edge	-34.91	-13	-21.91
	10MHz	Low	Band Edge	-27.81	-13	-14.81
		High	Band Edge	-33.88	-13	-20.88

Table 7-9. Conducted Band Edge Test Results - DoD Band - Ant2 M2

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 78 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 70 01 125
© 2024 ELEMENT		•	V11.1 08/28/2023



NR Band n77 DoD Band – Ant M2

PASS IFGain:Low #Atten: 36 dB Radio Device: BTS 10 dB/div Ref 30.00 dBm	ASS IFGain:Low #Atten: 36 dB Radio Device: BTS 0 dB/div Ref 30.00 dBm Image: Start Freq Center Frequency 0 dB/div Ref 30.00 dBm Image: Start Freq Stop Freq Ref 30.00 dBm 0 dB/div Ref 30.00 dBm Image: Start Freq Stop Freq Ref 30.00 dBm Image: Start Freq Stop Freq Ref 30.00 dBm 1 3.4375 GHz 3.4490 GHz 3.4490 GHz 510.0 KHz 3.4490 GHz 27.81 dBm -16.87 dBm -14.81 dB Freq Offs	RLT	T R	Analyzer - Spuri F 50 Ω e: LO		ons CORREC		SENSE:INT Freq: 3.455010 Free Run		ALIGN AUTO	10:08:29 A Radio Std	M Jun 27, 2024 : None	Frequency
-og -og <th>29 20 <t< th=""><th>ASS</th><th>Gat</th><th>e: LU</th><th></th><th>IFGain:Lo</th><th></th><th></th><th></th><th></th><th>Radio Dev</th><th>ice: BTS</th><th></th></t<></th>	29 20 <t< th=""><th>ASS</th><th>Gat</th><th>e: LU</th><th></th><th>IFGain:Lo</th><th></th><th></th><th></th><th></th><th>Radio Dev</th><th>ice: BTS</th><th></th></t<>	ASS	Gat	e: LU		IFGain:Lo					Radio Dev	ice: BTS	
-og -og <th>29 20 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<></th>	29 20 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>												
-og -og <th>29 20 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<></th>	29 20 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>												
200 200	Center Fre Center Fre 00 0		div	Ref 30.00	dBm								
100	00 00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
Start 3.4375 GHz 3.4450 GHz 1.000 MHz 3.4449925000 GHz 2.9.47 dBm -16.47 dB Auto 2 2 3.4450 GHz 3000 MHz 3.44990 GHz 5100 MHz 3.44990 GHz 610.0 MHz 3.44990 GHz 610.0 MHz 3.44990 GHz 610.0 MHz 7.78 MBM -11.81 dB Freq O	00 1 3.435 GHz Stop Freq RBW Frequency Amplitude Δ Limit Δ Limit 1 3.4375 GHz 3.4450 GHz 3.4450 GHz 3.4490 GHz 510.0 kHz 3.4449981667 GHz -27.81 dBm -16.47 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs	20.0											Center Fre
0.0 Image Start Freq Stop Freq RBW Frequency Amplitude Δ Limit Δ Limit 1 3.4375 GHz 3.4450 GHz 3.00 MHz 3.4490000 GHz -29.47 dBm -16.47 dB Freq O 3 3.4490 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -15.18 dB Freq O	0.0 1	10.0											3.455010000 GI
20.0 20.0 <t< td=""><td>0.0 1</td><td>D.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\\</td><td></td><td></td></t<>	0.0 1	D.00									\\		
0.0 1	0.0 1							1					
Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB -15.18 dB Freq Q 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -114.81 dB Freq Q	0.0 1 3.4375 GHz Stop Freq RBW Frequency Amplitude Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444905000 GHz -29.47 dBm -16.47 dB -16.47 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -114.81 dB Freq Offs	0.0										\	
0.0 1 3.4375 GHz 3.4450 GHz Frequency Amplitude Δ Limit 2 3.4450 GHz 3.00 MHz 3.4490000 GHz 2.28.18 dBm -15.18 dB Freq O	D0 Image Stop 3.463 GHz CF Stop 3.463 GHz tart 3.4375 GHz Stop 51.00 MHz 3.444925000 GHz 29.47 dBm -16.47 dB 2 3.4450 GHz 510.0 MHz 3.4490000 GHz 528.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.4490 GHz 3.4490 GHz 3.4490 GHz 60.0 MHz 3.4490 GHz 60.0 MHz 0.00 MHz 2.8.18 dBm -15.18 dB Freq Offs	0.0										\	
Spin Range Start Frequency Amplitude Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.4449025000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4450 GHz 3.44500 GHz 3.449081667 GHz -27.81 dBm -15.18 dB Freq 0	D0 Image Stop 3.463 GHz CF Stop 3.463 GHz tart 3.4375 GHz Stop Freq RBW Frequency Amplitude Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4430 GHz 510.0 kHz 3.444926100 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.4490 Shot GHz 3.4490 Shot GHz -27.81 dBm -14.81 dB Freq Offs	30.0					and the second second					1	
Number No.0	D0 Image Stop 3.463 GHz CF Stop 3.463 GHz tart 3.4375 GHz Stop Freq RBW Frequency Amplitude Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4430 GHz 510.0 kHz 3.444926100 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.4490 Shot GHz 3.4490 Shot GHz -27.81 dBm -14.81 dB Freq Offs				and the second se							and the second second	
N.0 Stop Stop Stop Stop Stop Addition of the state of the sta	D0 Stop 3.463 GHz CF Stop 3.463 GHz pur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.9.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.449081667 GHz -27.81 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.449081667 GHz -27.81 dBm -14.81 dB 0.00000000000000000000000000000000000												
Start Stop <	tart 3.438 GHz Stop 3.463 GHz Later 3.438 GHz Stop 5.463 GHz CF Ste 2.50000 Mi Auto MM 1 3.4375 GHz 3.4450 GHz 3.4450 GHz 3.4450 GHz 3.4490 GHz 3.4490 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs	50.0											
Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit ΔLimit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.44800000 GHz -28.18 dBm -15.18 dB Freq O 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq O	pur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.4490000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs	i0.0											
Spur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit ΔLimit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.44925000 GHz -29.47 dBm -16.47 dB -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.44800000 GHz -28.18 dBm -15.18 dB Freq O 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq O	pur Range Start Freq Stop Freq RBW Frequency Amplitude Δ Limit Δ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.4490000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs												
Spur Range Start Freq Stop Freq RBW Frequency Amplitude △ Limit Auto 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.449925000 GHz -29.47 dBm -16.47 dB -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.44800000 GHz -28.18 dBm -15.18 dB Freq O 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq O	pur Range Start Freq Stop Freq RBW Frequency Amplitude △ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz -29.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.60.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB -14.81 dB												
Spur Range Start Freq Stop Freq RBW Frequency Amplitude ∆ Limit Auto 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.99 47 dBm 1.647 dB Frequency Frequency Frequency Frequency Amplitude 1.647 dB Frequency Frequency <td< td=""><td>pur Range Start Freq Stop Freq RBW Frequency Amplitude △ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.92.47 dBm 1.64.7 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs</td><td>itart</td><td>3.438 G</td><td>Hz</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Stop 3</td><td>.463 GHz</td><td>CESto</td></td<>	pur Range Start Freq Stop Freq RBW Frequency Amplitude △ Limit 1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.92.47 dBm 1.64.7 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs	itart	3.438 G	Hz							Stop 3	.463 GHz	CESto
1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.9.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.44800000 GHz -28.18 dBm -15.18 dB Freq O 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq O	1 3.4375 GHz 3.4450 GHz 1.000 MHz 3.444925000 GHz 2.9.47 dBm -16.47 dB 2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB	itart	3.438 G	Hz							Stop 3	.463 GHz	
2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB 3 3.4490 GHz 3.4500 GHz 3.6400 kHz 3.449981667 GHz -27.81 dBm -14.81 dB	2 3.4450 GHz 3.4490 GHz 510.0 kHz 3.448400000 GHz -28.18 dBm -15.18 dB Freq Offs 3 3.4490 GHz 3.4500 GHz 3.4500 GHz 3.449981667 GHz -27.81 dBm -14.81 dB Freq Offs				Stor	n Freg	RBW	Frequency	Ampli	tude		.463 GHz	2.500000 MH
3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB	3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449981667 GHz -27.81 dBm -14.81 dB		Range	Start Freq							∆ Limit		2.500000 MH
		Spur	Range	Start Freq 3.4375 GHz	3.44	50 GHz	1.000 MHz	3.444925000 G	Hz -29.47	dBm	∆ Limit -16.47 dE		2.500000 Mł <u>Auto</u> Ma
	4 3.4300 GHZ 3.4023 GHZ 1.000 MHZ 3.433123000 GHZ 14:30 dBill -11.10 dB	Spur	Range 1 2	Start Freq 3.4375 GHz 3.4450 GHz	3.44 3.44	<mark>50 GHz</mark> 90 GHz	1.000 MHz 510.0 kHz	3.444925000 G 3.448400000 G	Hz -29.47 Hz -28.18	dBm dBm	∆ Limit -16.47 dE -15.18 dE		2.500000 Mł <u>Auto</u> Ma
		Spur	Range 1 2 3	Start Freq 3.4375 GHz 3.4450 GHz 3.4490 GHz	3.44 3.44 3.45	50 GHz 90 GHz 00 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.444925000 G 3.448400000 G 3.449981667 G	Hz -29.47 Hz -28.18 Hz -27.81	dBm dBm dBm	∆ Limit -16.47 dE -15.18 dE -14.81 dE		CF Ste 2.500000 Mi <u>Auto</u> Ma Freq Offs 0 H
		Spur	Range 1 2 3	Start Freq 3.4375 GHz 3.4450 GHz 3.4490 GHz	3.44 3.44 3.45	50 GHz 90 GHz 00 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.444925000 G 3.448400000 G 3.449981667 G	Hz -29.47 Hz -28.18 Hz -27.81	dBm dBm dBm	∆ Limit -16.47 dE -15.18 dE -14.81 dE		2.500000 Mł <u>Auto</u> Ma Freq Offs
		Spur	Range 1 2 3	Start Freq 3.4375 GHz 3.4450 GHz 3.4490 GHz	3.44 3.44 3.45	50 GHz 90 GHz 00 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.444925000 G 3.448400000 G 3.449981667 G	Hz -29.47 Hz -28.18 Hz -27.81	dBm dBm dBm	∆ Limit -16.47 dE -15.18 dE -14.81 dE		2.500000 Mi <u>Auto</u> Mi Freq Offs
		Spur	Range 1 2 3	Start Freq 3.4375 GHz 3.4450 GHz 3.4490 GHz	3.44 3.44 3.45	50 GHz 90 GHz 00 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.444925000 G 3.448400000 G 3.449981667 G	Hz -29.47 Hz -28.18 Hz -27.81	dBm dBm dBm	∆ Limit -16.47 dE -15.18 dE -14.81 dE		2.500000 Mi <u>Auto</u> M Freq Offs
		Spur	Range 1 2 3	Start Freq 3.4375 GHz 3.4450 GHz 3.4490 GHz	3.44 3.44 3.45	50 GHz 90 GHz 00 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.444925000 G 3.448400000 G 3.449981667 G	Hz -29.47 Hz -28.18 Hz -27.81	dBm dBm dBm	∆ Limit -16.47 dE -15.18 dE -14.81 dE		2.500000 Mi <u>Auto</u> M Freq Offs

Plot 7-104. Lower ACP Plot (NR Band n77 - 10MHz DFT-s-OFDM-BPSK - Full RB - Ant M2)



Plot 7-105. Upper ACP Plot (NR Band n77 - 10MHz DFT-s-OFDM-BPSK - Full RB - Ant M2)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dego 70 of 102	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 79 of 123	
© 2024 ELEMENT			V11.1 08/28/2023	



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
	100MHz	Low	Band Edge	-32.82	-13	-19.82
	TOOMITZ	High	Band Edge	-36.15	-13	-23.15
	90MHz	Low	Band Edge		-13	-20.99
	90101112	High	Band Edge	-36.44	-13	-23.44
	80MHz	Low	Band Edge	-34.23	-13	-21.23
	OUMINZ	High	Band Edge		-13	-23.09
	70MHz	Low	Band Edge	-34.80	-13	-21.80
	7011112	High	Band Edge	-36.15	-13	-23.15
	60MHz	Low	Band Edge	-35.33	-13	-22.33
		High	Band Edge	-35.60	-13	-22.60
	50MHz	Low	Band Edge	-34.43	-13	-21.43
NR-n77 PC2		High	Band Edge	-34.24	-13	-21.24
C Band	40MHz	Low	Band Edge	-34.55	-13	-21.55
	40101112	High	Band Edge	-33.82	-13	-20.82
	30MHz	Low	Band Edge	-32.78	-13	-19.78
	JUIVINZ	High	Band Edge	-32.14	-13	-19.14
	25MHz	Low	Band Edge	-32.67	-13	-19.67
		High	Band Edge	-31.90	-13	-18.90
	20MHz	Low	Band Edge	-31.38	-13	-18.38
		High	Band Edge	-31.07	-13	-18.07
	15MHz	Low	Band Edge	-30.10	-13	-17.10
		High	Band Edge	-30.41	-13	-17.41
	10MHz	Low	Band Edge	-29.49	-13	-16.49
		High	Band Edge	-30.50	-13	-17.50

Table 7-10. Conducted Band Edge Test Results - C Band - Ant2

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 80 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 60 01 125
© 2024 ELEMENT			V11.1 08/28/2023



NR Band n77 C Band – Ant M2

RLT	r R	F 50 Ω	AC COF	RREC		SENSE:INT r Freq: 3.705000 Free Run	ALIGN AU	TO 03:03:26 F Radio Std	M Jun 26, 2024 : None	Frequency
ASS	Gat	e: LO	IFC	Gain:Low		n: 36 dB		Radio Dev	ice: BTS	
0 dB/	div	Ref 30.00	dBm							
.og										
20.0							the supervision of the particular sector	and the state of the second state of the secon		Center Fre
0.0								and the second s		3.705000000 GI
).00 —								`		
0.0										
0.0										
0.0		العرب و	and the second second second second						and the second states and the	
0.0 🗠		and the second s								
0.0										
60.0 <u> </u>										
L										
itart	3.688 G	SHz						Stop 3	3.713 GHz	CF Ste
										2.500000 M
Spur	Range	Start Freq	Stop	Freq	RBW	Frequency	Amplitude	∆ Limit		<u>Auto</u> M
spur	Range	Start Freq 3.6875 GHz	Stop F 3.6950				Amplitude GHz -29.87 dBm	△ Limit	3	<u>Auto</u> M
	Range		3.6950 3.6990) <mark>GHz</mark>) GHz	1.000 MHz 510.0 kHz	3.694842500 (3.698676000 (GHz -29.87 dBm GHz -29.76 dBm			
	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Freq Offs
	1 2	3.6875 GHz 3.6950 GHz	3.6950 3.6990) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm	-16.87 dE	3	Freq Offs
	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Freq Offs
Spur	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Auto Mi Freq Offs 0 I
	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Freq Offs
	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Freq Offs
	1 2 3	3.6875 GHz 3.6950 GHz 3.6990 GHz	3.6950 3.6990 3.7000) GHz) GHz) GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.694842500 C 3.698676000 C 3.699666000 C	GHz -29.87 dBm GHz -29.76 dBm GHz -29.49 dBm	-16.87 dE -16.76 dE -16.49 dE	3	Freq Offs

Plot 7-106. Lower ACP Plot (NR Band n77 - 10MHz DFT-s-OFDM-BPSK - Full RB - Ant M2)



Plot 7-107. Upper ACP Plot (NR Band n77 - 10MHz DFT-s-OFDM-BPSK - Full RB - Ant M2)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 81 of 123		
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	6/10/2024 - 7/18/2024 Portable Tablet			
© 2024 ELEMENT	•		V11.1 08/28/2023		



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2	100MHz	Low	Band Edge	-39.33	-13	-26.33
DoD Band		High	Band Edge	-40.59	-13	-27.59
Tabla	7.44 . O a malura	stad David Ed	as Test Desul	to DoD Dou	al A == 4 0.0	

Table 7-11. Conducted Band Edge Test Results – DoD Band – Ant S2

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 82 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 62 01 123
© 2024 ELEMENT	•	·	V11.1 08/28/2023



NR Band n77 DoD Band – Ant S2

Gate: L0 10 dB/div Ref 30.00 dl Log	IFGain:Low #At	hter Freq: 3.600010000 GHz g: Free Run tten: 36 dB		kd: None evice: BTS	Frequency Center Fre 3.500010000 GH
-og	IBM				
20.0 10.0 10.0 20.0					
10.0					
300				(hingenaginghan) ya kepatropa	
Start 3.325 GHz Spur Range Start Freq 1 3.3250 GHz 2 2 3.4450 GHz					
Spur Range Start Freq 1 3.3250 GHz 2 2 2 3.4450 GHz					
1 3.3250 GHz 2 3.4450 GHz			Stop	3.575 GHz	CF Ste 2.500000 MH
2 3.4450 GHz	Stop Freq RBW	Frequency Ampli	itude ∆ Limit	4	<u>Auto</u> Ma
	3.4450 GHz 1.000 MI	Hz 3.440600000 GHz -39.33	dBm -26.33 (B	
2 2 4 4 0 0 0 4 7		z 3.445846667 GHz -41.28			Freq Offs
		Iz 3.449103333 GHz -42.33			0
4 3.4500 GHz	3.5750 GHz 1.000 MI	Hz 3.477291667 GHz -4.474	dBm -30.47 (dB	01
SG					

Plot 7-108. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S2)



Plot 7-109. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S2)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 92 of 122
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Page 83 of 123	
© 2024 ELEMENT			V11.1 08/28/2023



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2	100MHz	Low	Band Edge	-39.65	-13	-26.65
C Band		High	Band Edge	-29.82	-13	-16.82
T - 1.1		and a stand provide pr	den Track Dara	14- O D	A	

Table 7-12. Conducted Band Edge Test Results – C Band – Ant S2

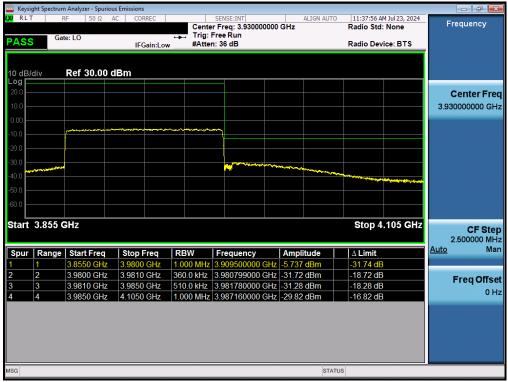
FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 84 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 64 01 125
© 2024 ELEMENT		•	V11.1 08/28/2023



NR Band n77 C Band – Ant S2

🧧 Keysi 🛛 RL 1	ight Spectrun T F		e <mark>r - Spu</mark> ri 50 Ω	ous Em	issions CORI	REC			SEN	ISE:INT			ALIGN AUTO	11:	20:11 A	M Jul 23, 2024		
PASS	Ga	te: LO			IFG	ain:Lov	~ •••	-	Free		0000	GHz				: None vice: BTS	F	requency
10 dB/	(diu	Ref :	20.00	dBn														
-og 20.0			0.00	ubli														
20.0 — 10.0 —																		Center Fre 50000000 G⊦
0.00																		
20.0 -																		
10.0						-	-									To an at the second second		
50.0									-									
60.0																		
Start	3.575	GHz												St	top 3	.825 GHz		CF Ste
Spur	Range	Start	Freq	s	top F	rea	RB	W	Fr	equency		Ampli	itude	Δ	imit		<u>Auto</u>	2.500000 MH Ma
	1		0 GHz		6950		_			72320000	GHz				.65 dE	3		
2	2		0 GHz		6990					98256000					82 dE			Freq Offs
;	3		0 GHz 0 GHz		7000 8250					99178000 (11000000 (22 dE			0H
	4	0.700	o GHZ		0200	onz	1.00	50 WITZ	10.1	1000000	5112	-1-210		=35.	20 UL	,		
G													STATU	JS				

Plot 7-110. Lower ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - Ant S2)



Plot 7-111. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S2)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 95 of 102
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 85 of 123
© 2024 ELEMENT			V11.1 08/28/2023



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2	100MHz	Low	Band Edge	-36.29	-13	-23.29
DoD Band		High	Band Edge	-39.13	-13	-26.13
NR-n77 PC2	100MHz	Low	Band Edge	-36.56	-13	-23.56
C Band		High	Band Edge	-36.63	-13	-23.63

Table 7-13. Conducted Band Edge Test Results - Ant S4

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 86 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 60 01 125
© 2024 ELEMENT	•		V11.1 08/28/2023



NR Band n77 DoD Band – Ant S4

Keysig RLT	ght Spectrum		r - Spur 50 Ω	ious Em		RREC			SENS	INT			ALIGN AUTO	11:56:1	4 AM Jul 23, 202	4	
	1	u	20.35	AC	001	d de c		Cente		1: 3.5000	10000	GHz	ALIGITATIO		td: None	<u> </u>	Frequency
ASS	Gat	te: LO					+		Free F								
7400	<u> </u>				IFO	Gain:Lo	w	#Atte	n: 36 (1B				Radio L	evice: BTS	_	
10 dB/o	div	Ref 3	0.00	dBr	n												
-og																	
20.0 —																	Center Fre
10.0																3.	500010000 GH
0.00									^	and the second					∽ ₁		
10.0									Í								
20.0																	
30.0																	
40.0						*******		***	~1 ~ 1								
50.0 🗖	- and a start of the																
60.0																	
00.0																	
Start	3.325 0	GHz												Stop	3.575 GH	z	
																	CF Ste 2.500000 MH
Spur	Range	Start	Erog	6	itop I	rog		зw	Ero	quency		Ampl	itudo	∆ Limi	4	Auto	
3pui 1	1	3.3250				GHz				9600000	CH7			-23.29			
2	2	3.4450	_			GHz	_			6580000				-26.41			
3	3	3.4490				GHz				9551667				-28.31			Freq Offse
4	4	3.4500				GHz				7708333				-23.25			0 F
SG		_	_	_	_	_	_	_	_	_		_	07.7				
													STATU	S			

Plot 7-112. Lower ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM-BPSK - Full RB - Ant S4)



Plot 7-113. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S4)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 97 of 199
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 87 of 123
© 2024 ELEMENT			V11.1 08/28/2023



NR Band n77 C Band – Ant S4

RF	50 Ω	AC	ions CORREC			SENSE:INT		ALIGN AUTO		M Jul 23, 2024	-	auency	
Gate: LC)		IFGain:L		Trig: I		00 GHz		Radio Std Radio Dev		Fre	quency	
Ref	30.00	dBm											
												enter Fre 000000 G⊦	
							9901111111111 111	**************************************					
		h	11.4e-11.4	19194		-							
yanada (m. 1999 m.													
75 GHz									Stop 3	.825 GHz	2.5	CF Ste	
nge Sta	rt Frea	Sto	p Frea	RBW	/	Frequency	Amp	litude	∆ Limit		Auto	Ma	
				1.000	MHz				-23.56 dE	}			
3.69	950 GHz	3.69	990 GHz	510.0	kHz	3.695912000 GH	lz -39.14	dBm	-26.14 dE	}	F	req Offs	
			000 GHz									01	
3.70	000 GHz	3.82	250 GHz	1.000	MHz	3.717500000 GH	lz 2.701	dBm	-23.30 dE	3		01	
_	_	_	_		_			STATU	5				
	Ref 75 GHz 3.56 3.66 3.69	75 GHz 75 GHz 3.5750 GHz 3.6950 GHz 3.6990 GHz	Ref 30.00 dBm	Ref 30.00 dBm Ref 30.00 dBm Image: Start Freq Stop Freq 3.6950 GHz 3.6990 GHz 3.6990 GHz 3.6990 GHz 3.6990 GHz 3.6990 GHz 3.6990 GHz 3.6990 GHz	Gate: LO IFGain:Low Ref 30.00 dBm Ref 30.00 dBm Gate: LO GATE:	Gate: LO Trig: I IFGain:Low Trig: #Atter Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Image: Colspan="2" Image: Colspan="2" Image: Colspan="2" Image: Colspan="2" <th colspan<="" td=""><td>Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Start Free Start Star</td><td>Trig: Free Run #Atten: 36 dB Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Trig: Free Colspan= 2" Image:</td><td>Trig: Free Run #Atten: 36 dB Ref 30.00 dBm au au</td><td>Gate: LO IFGain:Low Trig: Free Run Radio Dev Ref 30.00 dBm #Atten: 36 dB Radio Dev Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Start 100 MHz 3.66950 GHz 3.69950 GHz 3.69950 GHz 3.6990 G</td><td>Gate: L0 IFGain:Low Trig: Free Run #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Stop Free Run Image: Start Free Run Image: Run Ima</td><td>Gate: L0 Trig: Free Run # #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Run # Start Start Start Free Run # Start Start Free Run # Start Start Start Free Run # Start Free Run # Start Start Start Start Start Run # Start Run # Start Start Run # Start Run #</td></th>	<td>Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Start Free Start Star</td> <td>Trig: Free Run #Atten: 36 dB Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Trig: Free Colspan= 2" Image:</td> <td>Trig: Free Run #Atten: 36 dB Ref 30.00 dBm au au</td> <td>Gate: LO IFGain:Low Trig: Free Run Radio Dev Ref 30.00 dBm #Atten: 36 dB Radio Dev Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Start 100 MHz 3.66950 GHz 3.69950 GHz 3.69950 GHz 3.6990 G</td> <td>Gate: L0 IFGain:Low Trig: Free Run #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Stop Free Run Image: Start Free Run Image: Run Ima</td> <td>Gate: L0 Trig: Free Run # #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Run # Start Start Start Free Run # Start Start Free Run # Start Start Start Free Run # Start Free Run # Start Start Start Start Start Run # Start Run # Start Start Run # Start Run #</td>	Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Start Free Start Star	Trig: Free Run #Atten: 36 dB Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Ref 30.00 dBm Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Trig: Free Run #Atten: 36 dB Image: Colspan="2">Trig: Free Colspan= 2" Image:	Trig: Free Run #Atten: 36 dB Ref 30.00 dBm au au	Gate: LO IFGain:Low Trig: Free Run Radio Dev Ref 30.00 dBm #Atten: 36 dB Radio Dev Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Freq RBW Frequency Amplitude Image: Start Freq Stop Start 100 MHz 3.66950 GHz 3.69950 GHz 3.69950 GHz 3.6990 G	Gate: L0 IFGain:Low Trig: Free Run #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Stop Free Run Image: Start Free Run Image: Run Ima	Gate: L0 Trig: Free Run # #Atten: 36 dB Radio Device: BTS Ref 30.00 dBm Image: Start Free Run # Start Start Start Free Run # Start Start Free Run # Start Start Start Free Run # Start Free Run # Start Start Start Start Start Run # Start Run # Start Start Run #

Plot 7-114. Lower ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM-BPSK - Full RB - Ant S4)



Plot 7-115. Upper ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM-BPSK - Full RB - Ant S4)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dege 99 of 100
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 88 of 123
© 2024 ELEMENT			V11.1 08/28/2023



Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n77 PC2	100MHz	Low	Band Edge	-37.11	-13	-24.11
DoD Band		High	Band Edge	-38.78	-13	-25.78
NR-n77 PC2	100MHz	Low	Band Edge	-36.87	-13	-23.87
C Band		High	Band Edge	-34.99	-13	-21.99

Table 7-14. Conducted Band Edge Test Results - Ant S3

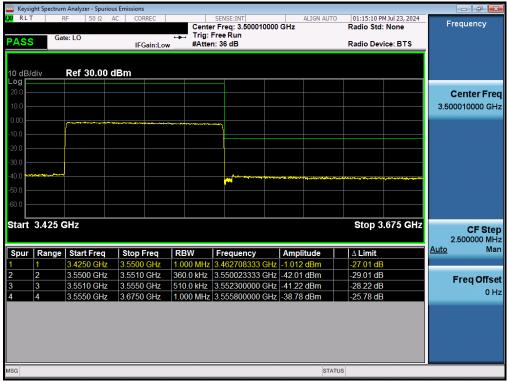
FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 89 of 123
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 69 01 125
© 2024 ELEMENT	•	·	V11.1 08/28/2023



NR Band n77 DoD Band – Ant S3

XI RLT	nt Spectrum R	Analyzer - Spuri F 50 Ω		IS ORREC		SENSE:INT	0000 GHz	ALIGN AUTO	01:13:56 P Radio Std	M Jul 23, 2024 : None	Frequency
PASS	Gat	e: LO	IF	Gain:Lo		Free Run n: 36 dB			Radio Dev	vice: BTS	
10 dB/di		Ref 30.00	dBm								
-og 🔽	IV	Rei 30.00	ubili								
20.0											Center Fr
10.0											3.500010000 G
0.00								******		\	
10.0											
20.0											
30.0 —											
40.0		and the second	-		*****					has not an an and the second	
50.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
60.0											
Start 3	3.325 G	Hz							Stop 3	9.575 GHz	CF Sto 2.500000 M
	3.325 G Range		Stop	Freq	RBW	Frequency	Amp	itude	Stop 3	9.575 GHz	
Spur	Range 1	Start Freq 3.3250 GHz	3.445	0 GHz	1.000 MHz	3.438400000	GHz -37.11	dBm	∆ Limit -24.11 dE	3	2.500000 M
Spur 1 1 2 2	Range 1 2	Start Freq 3.3250 GHz 3.4450 GHz	3.445 3.449	0 GHz 0 GHz	1.000 MHz 510.0 kHz	3.438400000 3.448966667	GHz -37.11 GHz -39.59	dBm dBm	∆ Limit -24.11 dE -26.59 dE	3 3	2.500000 M
Spur 1 2 3 3	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz 3.4490 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667 3.449270000	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE -27.51 dE	3 3 3	2.500000 M <u>Auto</u> M
Spur 2 2	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE	3 3 3	2.500000 M <u>Auto</u> M Freq Offs
Spur 1 2 3 3	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz 3.4490 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667 3.449270000	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE -27.51 dE	3 3 3	2.500000 M <u>Auto</u> M Freq Offs
Spur 1 1 2 2 3 3	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz 3.4490 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667 3.449270000	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE -27.51 dE	3 3 3	2.500000 M <u>Auto</u> M Freq Offs
Spur 2 2	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz 3.4490 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667 3.449270000	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE -27.51 dE	3 3 3	2.500000 M <u>Auto</u> M Freq Offs
Spur 2 2	Range 1 2 3	Start Freq 3.3250 GHz 3.4450 GHz 3.4490 GHz	3.4450 3.4490 3.4500	0 GHz 0 GHz 0 GHz	1.000 MHz 510.0 kHz 360.0 kHz	3.438400000 3.448966667 3.449270000	GHz -37.11 GHz -39.59 GHz -40.51	dBm dBm dBm	∆ Limit -24.11 dE -26.59 dE -27.51 dE	3 3 3	2.500000 M <u>Auto</u> M Freq Offs

Plot 7-116. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S3)



Plot 7-117. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S3)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:	Daga 00 of 102				
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 90 of 123				
© 2024 ELEMENT	•		V11.1 08/28/2023				



NR Band n77 C Band – Ant S3

		n Analyzer - :														_	
RLT		RF 50	ΩΑ	AC (CORREC		Cen		NSE:INT req: 3.75000	0000		ALIGN AUTO	01:25: Radio		ul 23, 2024 one	F	requency
ASS	Ga	te: LO					Trig	: Fre	e Run					_			
A99					IFGain	:Low	#Att	en: 3	6 dB				Radio	Device	E: BTS		
0 dB/d	vik	Ref 30.	.00 d	iBm													
.og																	_
20.0																	Center Fre
10.0																3.75	50000000 GH
).00											-						
0.0																	
20.0																	
30.0																	
40.0	a di tana di tangka ta	and the specific set of the state		a tray diaber 40											Section production		
50.0																	
60.0																	
Start	3.575 (GHz											Sto	p 3.8	25 GHz		CF Ste
																	2.500000 MH
Spur	Range	Start Fr	eq	Sto	p Free	9	RBW	F	requency		Ampli	itude	∆ Lim	it		<u>Auto</u>	Ma
Í	1	3.5750 0	GHz	3.69	50 GF	łz	1.000 MH	z 3.6	692960000	GHz	-36.87	dBm	-23.87	dB			
	2	3.6950 (GHz	3.69	90 GH				69 7792000 (-25.81				Freq Offs
	3	3.6990 (100 GH			_	699070000				-27.15				01
	4	3.7000 (GHz	3.82	!50 G⊦	z	1.000 MH	z 3.	730250000	GHz	-1.504	dBm	-27.50	dB			01
G												STATU	JS				
		440.1	-						n77 - 10					/		A	(0.0)

Plot 7-118. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S3)



Plot 7-119. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - Ant S3)

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:	Dega 01 of 102				
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 91 of 123				
© 2024 ELEMENT	•		V11.1 08/28/2023				



7.6 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 - Section 5.2.4.4

Test Settings

- Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
- 2. RBW = 1 5% of the expected OBW, not to exceed 1MHz
- 3. VBW \geq 3 x RBW
- 4. Span = 1.5 times the OBW
- 5. No. of sweep points $\geq 2 \times \text{span} / \text{RBW}$
- 6. Detector = RMS
- 7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
- 8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
- 9. Trace mode = trace averaging (RMS) over 100 sweeps
- 10. The trace was allowed to stabilize.

FCC ID: A3LSMX828U		PART 27 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dago 02 of 102			
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 92 of 123			
© 2024 ELEMENT			V11.1 08/28/2023			



Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

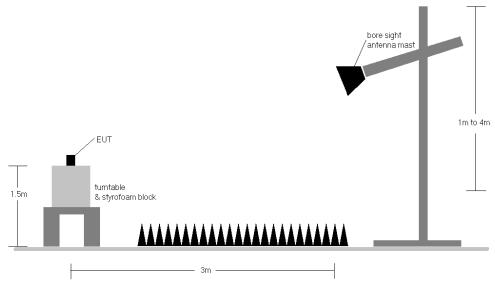


Figure 7-5. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

FCC ID: A3LSMX828U		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 93 of 123	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Fage 95 01 125	
© 2024 ELEMENT			V11.1 08/28/2023	

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	3500.01	н	101	293	9.71	1/271	19.04	28.75	0.750	30.00	-1.25
100 MHz	OPSK 16-QAM	3500.01	H	101	293	9.71	1/271	18.60	28.31	0.678	30.00	-1.69
	π/2 BPSK	3500.01 3495.00	н	101	293 293	9.71 9.71	1/271 1/122	17.31 19.10	27.02 28.81	0.504 0.760	30.00 30.00	-2.98 -1.19
-	π/2 BPSK	3500.01	н	101	293	9.71	1/122	19.12	28.83	0.764	30.00	-1.17
	π/2 BPSK	3504.99	H	101	293	9.71	1 / 122	19.17	28.88	0.773	30.00	-1.12
90 MH z	QPSK	3495.00	н	101	293	9.71	1 / 122	18.58	28.29	0.675	30.00	-1.71
-	QPSK	3500.01	н	101	293	9.71	1 / 122	18.59	28.30	0.676	30.00	-1.70
	QPSK	3504.99	н	101	293	9.71	1 / 122	18.57	28.28	0.673	30.00	-1.72
	16-QAM	3495.00 3490.02	H	101	293 293	9.71 9.72	1 / 122	17.14 19.10	26.85	0.484	30.00 30.00	-3.15 -1.18
-	π/2 BPSK π/2 BPSK	3490.02	н	101	233	9.72	1/215	19.10	28.81	0.762	30.00	-1.10
-	π/2 BPSK	3510.00	H	101	293	9.71	1 / 108	19.13	28.84	0.766	30.00	-1.16
80 MH z	QPSK	3490.02	н	101	293	9.72	1 / 108	18.56	28.28	0.673	30.00	-1.72
	QPSK	3500.01	н	101	293	9.71	1 / 108	18.76	28.47	0.703	30.00	-1.53
	QPSK	3510.00	н	101	293	9.71	1 / 215	18.57	28.28	0.673	30.00	-1.72
	16-QAM	3510.00	Н	101	293	9.71	1 / 108	17.63	27.34	0.542	30.00	-2.66
-	π/2 BPSK	3485.01	H	101	293	9.72	1/94	19.04	28.76	0.752	30.00	-1.24
-	π/2 BPSK π/2 BPSK	3500.01 3514.98	H	101	293 293	9.71 9.71	1/94	19.13 19.11	28.84 28.82	0.768	30.00 30.00	-1.16 -1.18
70 MH z	QPSK	3485.01	н	101	235	9.72	1 / 187	18.59	28.31	0.678	30.00	-1.69
10 1112	QPSK	3500.01	н	101	233	9.71	1/94	18.68	28.39	0.690	30.00	-1.61
	QPSK	3514.98	н	101	293	9.71	1/94	18.67	28.38	0.689	30.00	-1.62
	16-QAM	3514.98	Н	101	293	9.71	1/94	17.48	27.19	0.524	30.00	-2.81
	π/2 BPSK	3480.00	н	101	293	9.72	1 / 81	19.13	28.85	0.767	30.00	-1.15
	π/2 BPSK	3500.01	н	101	293	9.71	1 / 81	19.09	28.80	0.759	30.00	-1.20
	π/2 BPSK	3519.99	Н	101	293	9.70	1 / 81	19.23	28.93	0.782	30.00	-1.07
60 MHz	QPSK QPSK	3480.00	н	101	293	9.72	1 / 81	18.79	28.51	0.710	30.00	-1.49
-	QPSK QPSK	3500.01 3519.99	H	101	293 293	9.71 9.70	1 / 81	18.69 18.65	28.40 28.35	0.692	30.00	-1.60 -1.65
	16-QAM	3519.99	H	101	293	9.70	1/81	17.69	28.30	0.548	30.00	-1.05
	π/2 BPSK	3475.02	н	101	293	9.73	1/1	19.14	28.87	0.771	30.00	-1.13
F	π/2 BPSK	3500.01	н	101	293	9.71	1/66	19.03	28.74	0.748	30.00	-1.28
-	π/2 BPSK	3525.00	H	101	293	9.70	1 / 131	19.23	28.93	0.782	30.00	-1.07
50 MH z	QPSK	3475.02	н	101	293	9.73	1 / 131	18.80	28.53	0.713	30.00	-1.47
	QPSK	3500.01	н	101	293	9.71	1/66	18.72	28.43	0.697	30.00	-1.57
	QPSK	3525.00	н	101	293	9.70	1/68	18.74	28.44	0.698	30.00	-1.58
	16-QAM	3525.00	н	101	293	9.70	1 / 131	17.70	27.40	0.550	30.00	-2.60
-	π/2 BPSK	3470.01	H	101	293	9.73	1/1	19.12	28.85	0.767	30.00	-1.15
-	π/2 BPSK π/2 BPSK	3500.01 3529.98	H	101	293 293	9.71 9.70	1/1	19.04 19.25	28.75 28.95	0.750	30.00 30.00	-1.25 -1.05
40 MHz	QPSK	3470.01	н	101	293	9.73	1/1	18.69	28.42	0.695	30.00	-1.58
	QPSK	3500.01	н	101	293	9.71	1/1	18.66	28.37	0.687	30.00	-1.63
	QPSK	3529.98	н	101	293	9.70	1 / 104	18.75	28.45	0.700	30.00	-1.55
	16-QAM	3529.98	Н	101	293	9.70	1/1	17.86	27.58	0.570	30.00	-2.44
	π/2 BPSK	3465.00	н	101	293	9.73	1/1	19.12	28.85	0.767	30.00	-1.15
-	π/2 BPSK	3500.01	H	101	293	9.71	1/1	19.10	28.81	0.760	30.00	-1.19
20 Mill ~	π/2 BPSK	3534.99 3465.00	H	101	293 293	9.70	1/39	19.23 18.63	28.93	0.782	30.00 30.00	-1.07 -1.64
30 MHz	OPSK OPSK	3500.01	н	101	233	9.73 9.71	1/39	18.66	28.38 28.37	0.687	30.00	-1.63
	QPSK	3534.99	н	101	293	9.70	1/1	18.71	28.41	0.694	30.00	-1.59
	16-QAM	3534.99	Н	101	293	9.70	1/39	17.14	26.84	0.483	30.00	-3.16
	π/2 BPSK	3462.51	н	101	293	9.74	1/1	19.09	28.83	0.764	30.00	-1.17
	π/2 BPSK	3500.01	н	101	293	9.71	1/63	19.14	28.85	0.767	30.00	-1.15
	π/2 BPSK	3537.48	н	101	293	9.70	1/1	19.25	28.95	0.785	30.00	-1.05
25 MHz	QPSK	3462.51	н	101	293	9.74	1/1	18.77	28.51	0.710	30.00	-1.49
	QPSK QPSK	3500.01	н	101	293	9.71	1/63	18.82	28.53	0.713	30.00	-1.47
	OPSK 16-QAM	3537.48 3500.01	H	101	293 293	9.70 9.71	1/1 1/63	18.86 17.63	28.56 27.34	0.718	30.00 30.00	-1.44 -2.66
	π/2 BPSK	3460.02	н	101	233	9.74	1/25	19.19	28.93	0.342	30.00	-2.00
	π/2 BPSK	3500.01	H	101	293	9.71	1/1	19.15	28.86	0.769	30.00	-1.14
	π/2 BPSK	3540.00	H	101	293	9.70	1/1	19.24	28.94	0.784	30.00	-1.06
20 MHz	QPSK	3460.02	н	101	293	9.74	1/1	18.78	28.52	0.711	30.00	-1.48
	QPSK	3500.01	н	101	293	9.71	1 / 49	18.89	28.60	0.725	30.00	-1.40
	QPSK	3540.00	н	101	293	9.70	1/49	18.93	28.63	0.730	30.00	-1.37
	16-QAM	3540.00	H	101	293	9.70	1/49	18.01	27.71	0.590	30.00	-2.29
	π/2 BPSK π/2 BPSK	3457.50 3500.01	H	101	293 293	9.74 9.71	1/38 1/38	19.15 19.27	28.89 28.98	0.775	30.00 30.00	-1.11 -1.02
	π/2 BPSK	3500.01	н	101	293	9.70	1/30	19.27	28.86	0.791	30.00	-1.02
15 MHz	QPSK	3457.50	н	101	293	9.74	1/1	18.58	28.32	0.679	30.00	-1.68
	QPSK	3500.01	н	101	293	9.71	1 / 19	18.67	28.38	0.689	30.00	-1.62
	QPSK	3542.49	н	101	293	9.70	1/38	18.78	28.48	0.705	30.00	-1.52
	16-QAM	3542.49	Н	101	293	9.70	1/36	17.91	27.61	0.577	30.00	-2.39
	π/2 BPSK	3455.01	Н	101	293	9.74	1/22	19.03	28.77	0.753	30.00	-1.23
	π/2 BPSK	3500.01	H	101	293	9.71	1/1	19.27	28.98	0.791	30.00	-1.02
40.040	π/2 BPSK	3544.98	H	101	293	9.70	1/22	19.06	28.78	0.752	30.00	-1.24
10 MH z	OPSK OPSV	3455.01	H	101	293	9.74 9.71	1 / 22	19.03	28.77	0.753	30.00	-1.23
	OPSK OPSK	3500.01 3544.98	H	101	293 293	9.70	1/12	18.78 18.65	28.49 28.35	0.708	30.00 30.00	-1.51 -1.65
				101	233	9.70	1/1	17.52	28.30	0.527		-2.78
	16-QAM	3544.98	I H									
100 MHz	16-QAM QPSK (CP-OFDM)	3544.98 3500.0	H	101	293	9.71	1/22	16.98	26.69	0.467	30.00 30.00	-3.31

Table 7-15. EIRP Data (NR Band n77 (PC2) DoD Band) - Ant M2

FCC ID: A3LSMX828U		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dego 04 of 102	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 94 of 123	
© 2024 ELEMENT	*	•	1/11 1 00/20/2022	



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [HV]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
-	π/2 BPSK	3750.00	Н	100	294	9.64	1/1	18.15	27.79	0.601	30.00	-2.21
-	π/2 BPSK	3840.00	н	101	299	9.61	1/271	18.19	27.80	0.603	30.00	-2.20
100 MHz	π/2 BPSK QPSK	3930.00 3750.00	H	109	295 294	9.59	1/1	18.30 18.14	27.89 27.78	0.615	30.00 30.00	-2.11 -2.22
100 11112	QPSK	3840.00	н	101	299	9.61	1/271	18.17	27.78	0.600	30.00	-2.22
-	QPSK	3930.00	н	109	295	9.59	1/1	18.20	27.79	0.601	30.00	-2.21
	16-QAM	3930.00	н	109	295	9.59	1/1	17.30	28.89	0.489	30.00	-3.11
	π/2 BPSK	3745.02	н	100	294	9.64	1/122	18.27	27.91	0.618	30.00	-2.09
-	π/2 BPSK	3840.00	н	101	299	9.61	1/122	17.93	27.54	0.568	30.00	-2.48
90 MHz	π/2 BPSK QPSK	3934.98 3745.02	H	109	295 294	9.59	1/122	17.90 18.35	27.49 27.99	0.561	30.00 30.00	-2.51 -2.01
30 MHZ	QPSK	3840.00	н	100	234	9.61	1/122	18.12	27.73	0.593	30.00	-2.01
-	QPSK	3934.98	н	109	295	9.59	1/122	18.09	27.68	0.586	30.00	-2.32
	16-QAM	3840.00	н	101	299	9.61	1/122	17.98	27.57	0.572	30.00	-2.43
	π/2 BPSK	3740.01	Н	100	294	9.64	1/108	18.16	27.80	0.602	30.00	-2.20
-	π/2 BPSK	3840.00	Н	101	299	9.61	1/215	18.17	27.78	0.600	30.00	-2.22
	π/2 BPSK	3939.99	н	109	295	9.59	1/108	17.98	27.55	0.569	30.00	-2.45
80 MHz	QPSK QPSK	3740.01 3840.00	H	100 101	294 299	9.64 9.61	1 / 108	18.50 18.22	28.14 27.83	0.851 0.807	30.00 30.00	-1.88 -2.17
-	QPSK	3939.99	н	101	295	9.59	1/108	18.22	27.50	0.562	30.00	-2.1/
	16-QAM	3740.01	н	100	294	9.64	1/108	17.29	28.93	0.493	30.00	-3.07
	π/2 BPSK	3735.00	н	100	294	9.64	1/94	18.32	27.96	0.625	30.00	-2.04
	π/2 BPSK	3840.00	н	101	299	9.61	1 / 187	18.08	27.69	0.588	30.00	-2.31
	π/2 BPSK	3945.00	н	109	295	9.59	1/94	18.07	27.66	0.583	30.00	-2.34
70 MHz	QPSK	3735.00	н	100	294	9.64	1/94	18.46	28.10	0.645	30.00	-1.90
	OPSK OPSK	3840.00	н	101	299	9.61	1/187	18.17	27.78	0.600	30.00	-2.22
	QPSK 18 OAM	3945.00 3735.00	H	109	295	9.59	1/94	17.99 17.30	27.58	0.573	30.00	-2.42
	16-QAM π/2 BPSK	3735.00	H	100	294 294	9.64 9.64	1/94	17.30	28.94 28.03	0.494	30.00 30.00	-3.08
	π/2 BPSK	3840.00	н	100	299	9.61	1/81	18.08	28.03	0.585	30.00	-1.3/
	π/2 BPSK	3949.98	н	109	295	9.58	1/81	17.78	27.36	0.544	30.00	-2.64
60 MHz	QPSK	3730.02	н	100	294	9.64	1 / 81	18.42	28.07	0.641	30.00	-1.93
	QPSK	3840.00	н	101	299	9.61	1/81	18.10	27.71	0.591	30.00	-2.29
	QPSK	3949.98	н	109	295	9.58	1 / 81	18.03	27.61	0.577	30.00	-2.39
_	16-QAM	3840.00	н	101	299	9.61	1/81	17.23	28.84	0.483	30.00	-3.16
-	π/2 BPSK	3725.01	H H	100	294	9.65 9.61	1/66	18.38	28.01	0.632	30.00	-1.99 -2.25
-	π/2 BPSK π/2 BPSK	3840.00 3954.99	н	101	299 295	9.58	1/66	18.14 17.90	27.75 27.48	0.596	30.00 30.00	-2.20
50 MHz	QPSK	3725.01	н	100	294	9.65	1/66	18.47	28.12	0.648	30.00	-1.88
	QPSK	3840.00	H	101	299	9.61	1 / 131	18.16	27.77	0.599	30.00	-2.23
	QPSK	3954.99	н	109	295	9.58	1/1	17.85	27.43	0.553	30.00	-2.57
	16-QAM	3840.00	Н	101	299	9.61	1 / 131	17.39	27.00	0.502	30.00	-3.00
-	π/2 BPSK	3720.00	H	100	294	9.65	1/53	18.27	27.92	0.619	30.00	-2.08
-	TT/2 BPSK	3840.00 3960.00	H H	101	299 295	9.61 9.58	1/104	18.24 17.79	27.85 27.37	0.610	30.00 30.00	-2.15 -2.63
40 MHz	π/2 BPSK QPSK	3720.00	Н	100	230	9.65	1/1	18.42	28.07	0.641	30.00	-2.03
4010112	QPSK	3840.00	н	100	299	9.61	1/53	18.09	27.70	0.589	30.00	-2.30
-	QPSK	3960.00	н	109	295	9.58	1/1	17.80	27.38	0.547	30.00	-2.62
	16-QAM	3840.00	н	101	299	9.61	1/104	17.39	27.00	0.502	30.00	-3.00
_	π/2 BPSK	3715.02	н	100	294	9.65	1/39	18.34	27.99	0.629	30.00	-2.01
	TT/2 BPSK	3840.00	н	101	299	9.61	1/78	18.30	27.91	0.618	30.00	-2.09
20 MUL	π/2 BPSK	3964.98	H	109	295	9.58	1/39	17.55	27.13	0.516	30.00	-2.87
30 MHz	QPSK QPSK	3715.02 3840.00	н	100	294 299	9.65 9.61	1/39	18.53 18.26	28.18 27.87	0.657	30.00 30.00	-1.82 -2.13
-	QPSK	3964.98	н	109	295	9.58	1/1	17.73	27.31	0.538	30.00	-2.69
	16-QAM	3840.00	н	101	299	9.61	1/78	17.41	27.02	0.504	30.00	-2.98
	π/2 BPSK	3712.50	Н	101	293	9.65	1/78	18.48	28.13	0.650	30.00	-1.87
_	π/2 BPSK	3840.00	н	101	293	9.61	1/78	18.41	28.02	0.634	30.00	-1.98
25 101	TT/2 BPSK	3987.50	н	101	293	9.58	1/1	17.48	27.04	0.508	30.00	-2.96
25 MHz	QPSK QPSK	3712.50 3840.00	H	101	293 293	9.65 9.61	1/1 1/78	18.47 18.38	28.12 27.99	0.648	30.00 30.00	-1.88 -2.01
	QPSK	3987.50	н	101	233	9.58	1/10	10.30	27.35	0.546	30.00	-2.01
	16-QAM	3712.50	н	101	293	9.65	1/78	17.58	27.23	0.528	30.00	-2.77
	π/2 BPSK	3710.01	Н	100	294	9.65	1/1	18.37	28.02	0.634	30.00	-1.98
	π/2 BPSK	3840.00	н	101	299	9.61	1/1	18.35	27.96	0.626	30.00	-2.04
	π/2 BPSK	3969.99	н	109	295	9.58	1/1	17.80	27.38	0.547	30.00	-2.62
20 MHz	QPSK	3710.01	н	100	294	9.65	1/1	18.78	28.41	0.693	30.00	-1.59
	OPSK OPSK	3840.00 3969.99	H	101 109	299 295	9.61 9.58	1/1	18.37 17.88	27.98 27.46	0.629 0.557	30.00 30.00	-2.02
	16-QAM	3840.00	н	103	230	9.61	1/1	17.48	27.07	0.510	30.00	-2.93
	π/2 BPSK	3707.52	н	100	294	9.65	1/38	18.44	28.09	0.644	30.00	-1.91
	π/2 BPSK	3840.00	Н	101	299	9.61	1/38	18.22	27.83	0.607	30.00	-2.17
	π/2 BPSK	3972.48	н	109	295	9.58	1 / 19	17.48	27.04	0.508	30.00	-2.98
15 MHz	QPSK	3707.52	Н	100	294	9.65	1/1	18.67	28.32	0.679	30.00	-1.68
	OPSK OPSK	3840.00	н	101	299	9.61	1 / 19	18.38	27.99	0.630	30.00	-2.01
	QPSK 18.0AM	3972.48	H	109	295	9.58	1 / 19	17.70	27.28	0.534	30.00	-2.72
	16-QAM π/2 BPSK	3840.00 3705.00	H	101	299 294	9.61 9.65	1/19	17.44 18.52	27.05 28.17	0.507	30.00 30.00	-2.95
	π/2 BPSK	3840.00	н	100	299	9.61	1/22	19.09	28.70	0.030	30.00	-1.85
	π/2 BPSK	3975.00	н	109	295	9.58	1/12	18.08	27.66	0.583	30.00	-2.34
10 MHz	QPSK	3705.00	н	100	294	9.65	1/12	18.60	28.25	0.668	30.00	-1.75
	QPSK	3840.00	н	101	299	9.61	1 / 12	18.73	28.34	0.683	30.00	-1.68
	OPEI/	3975.00	н	109	295	9.58	1/1	17.98	27.56	0.570	30.00	-2.44
	QPSK				-							
	16-QAM QPSK (CP-OFDM)	3840.00 3930.00	H H	101 109	299 295	9.61 9.59	1/22	17.73 17.15	27.34 28.74	0.542 0.472	30.00 30.00	-2.66 -3.26

Table 7-16. EIRP Data (NR Band n77 (PC2) C Band) - Ant M2

FCC ID: A3LSMX828U		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 05 of 122	
1M2405140039-05.A3L	6/10/2024 - 7/18/2024	Portable Tablet	Page 95 of 123	
© 0004 ELEMENT			144 4 00/00/0000	