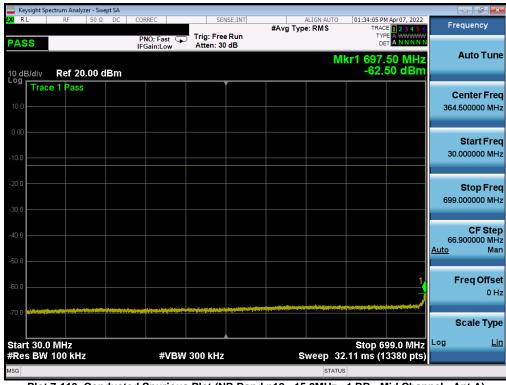




Plot 7-112. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Low Channel - Ant A)



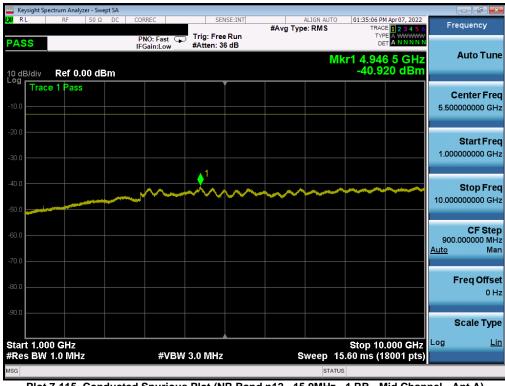
Plot 7-113. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Mid Channel - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dage 77 of 220			
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	sight Spect	rum Analyze											_	
LXI RL		RF	50 Ω	DC	CORREC		SE	NSE:INT	#Avg Typ	ALIGN AUTO		M Apr 07, 2022	Fi	requency
PAS	S				PNO: IFGair	Fast 🕞 :Low	Trig: Fre Atten: 3				TYF DE	65 MHz		Auto Tune
10 dB. Log r	/div	Ref 20.	00 dE	3m							-61.7	52 dBm		
	Trace	1 Pass											(	Center Freq
10.0														3.000000 MHz
0.00														
0.00														Start Freq
-10.0													716	5.000000 MHz
-20.0														
-20.0													1.00	Stop Freq 0000000 GHz
-30.0													1.00	
-40.0														CF Step
1010													28 <u>Auto</u>	3.400000 MHz Man
-50.0														
-60.0	1													Freq Offset
Ň	New York	ور من منه م	in called to be	and the second second		distruction (d. 10	والأحجر المراجع المراجع المراجع	والمعادمة الارديان	lington and the descent starts	المحمد المثالة أتحدهما	and the New York water			0 Hz
-70.0	and the second second			and produced in										Scale Type
	0.716 BW 1	0 GHz 00 kHz				#VBW	/ 300 kHz			Sweep_1	Stop 1.0 3.63 ms (	0000 GHz 5681 pts)	Log	<u>Lin</u>
MSG										STATUS				

Plot 7-114. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Mid Channel - Ant A)



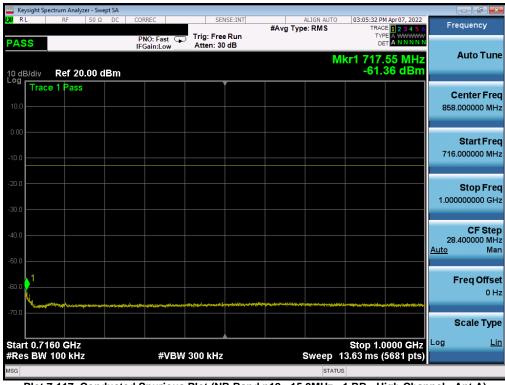
Plot 7-115. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Mid Channel - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:	Dage 70 of 220			
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	t Spectrum Analyz		SA									- F	×
LXU RL	RF	50 Ω D	DC 0	ORREC		SEI	NSE:INT	#Avg Typ	ALIGN AUTO e: RMS		M Apr 07, 2022	Frequency	/
PASS				PNO: Fast FGain:Low		Trig: Free Atten: 30				TY D			
10 dB/di	v Ref 20	.00 dBr	m						М	kr1 696 -62.	40 MHz 13 dBm	Auto T	une
Log Tr 10.0	ace 1 Pass											Center F 364.500000	
0.00												Start F 30.000000	
-20.0												<b>Stop F</b> 699.000000	
-30.0												CF S 66.900000 Auto	
-50.0											1	Freq Of	
-70.0		41	ar dal ma dalari yang			a hann a hann a h-		un den ser anna an a				Scale T	
	0.0 MHz W 100 kHz	:		#V	BW 3	00 kHz		s	weep 32	Stop 6 2.11 ms (1	99.0 MHz 3380 pts)	Log	<u>Lin</u>
MSG									STATUS			nol Ant A)	

Plot 7-116. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)



Plot 7-117. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 70 of 220
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	t Spectrum Analyzer - Sw										
LXI RL	RF 50 Ω	DC CO	RREC	SEI	ISE:INT	#Avg Typ	ALIGN AUTO		Apr 07, 2022	Frequ	ency
PASS			NO: Fast 🖵 Gain:Low	Trig: Free #Atten: 3				TYP DE		٨	to Tune
10 dB/div Log	Ref 0.00 dl	Зm					Mk	r1 9.761 -41.00	0 GHz 06 dBm	Au	to rune
-10.0	ace 1 Pass										ter Freq
										5.500000	000 GHz
-20.0											art Freq
-30.0									<b>1</b>	1.00000	
-40.0			~~~~	~~~	$\sim$	$\sim$		~~~		<b>St</b> 10.000000	op Freq 000 GHz
-50.0											CF Step
-60.0											000 MHz Man
-70.0										Ero	q Offset
-80.0										FIE	0 Hz
-90.0										Sca	le Type
	000 GHz		#\/D\M	2.0 MHz			45	Stop 10.	000 GHz	Log	Lin
#Res D	W 1.0 MHz		#VBW	3.0 MHz		5	status	.60 ms (1	sour pis)		
Mod	. =										

Plot 7-118. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)

Test Report S/N: Test Dates: EUT Type: Page 80 of 23	FCC ID: A3LSMF936B		Approved by: Technical Manager		
Pade 80 01 23	Test Report S/N:	Test Dates:	EUT Type:	Page 80 of 238	
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# LTE Band 66/4 – Ant F

	pectrum Analy:	er - Swept	SA									
RL	RF	50 Ω	AC	CORREC			SENSE:INT		ALIGN AUTO	03:07:54 PM M		Frequency
	_				_	Tria	Free Run	#Avg Ty	pe: RMS	TRACE TYPE		Trequency
ASS				PNO: F	ast 🖵		n: 30 dB			DET	ANNNN	
				ii ouiii.							5.011-	Auto Tu
									IVII	(r1 1.707		
dB/div g	Ref 20	.00 dB	m							-50.57	7 dBm	
<sup>≅</sup> Tra	ce 1 Pass											
												Center Fr
.0												869.500000 M
o ——												
												Start Fr
												30.000000 M
.0												00.0000000
.0												Stop Fr
												-
.0												1.709000000 G
												CF Ste
.0												167.900000 M
											1	Auto M
				-	man and a second				and the second sec			Freq Offs
.0	A S Deline or Contract of Contract	and and the										. 0
												·
												Scale Ty
art 0.0	300 GHz									Stop 1.70	90 GHz	Log <u>L</u>
	1.0 MHz			-	#VBW	3.0 M	Hz		Sweep 2	2.240 ms (33	361 pts)	
3									STATU	``````````````````````````````````````		
4									STATU	5		

1 lot 7-119. Conducted Spurious 1 lot (ETE Band 00/4	-20012 Qi $3R - 1 RB - 200 Channel - Ant 1)$	



Plot 7-120. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 01 of 220
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	pectrum Analyzer - Swe									
LXU RL	RF 50 Ω	AC COR	REC		ISE:INT	#Avg Typ	ALIGN AUT	TRAC	M May 11, 2022	Frequency
PASS	Ref 0.00 dE	IFG	0: Fast 😱 ain:Low	Trig: Free Atten: 10			М	₀ kr1 18.29	8 5 GHz 30 dBm	Auto Tune
Log Tra	ce 1 Pass									Center Freq 15.00000000 GHz
-20.0										Start Freq 10.000000000 GHz
-40.0										Stop Freq 20.000000000 GHz
-60.0		,						1		CF Step 1.00000000 GHz <u>Auto</u> Man
-80.0										Freq Offset 0 Hz
	000 GHz							Stop 20	.000 GHz	Scale Type Log <u>Lin</u>
#Res BV	1.0 MHz		#VBW	3.0 MHz		S	weep	25.33 ms (2	20001 pts)	
MSG							STA	TUS		

Plot 7-121. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel - Ant F)



Plot 7-122. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT				
Test Report S/N:	Test Dates:	EUT Type:				
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🔤 Keysight Spectrum Analyze	r - Swept SA							
LXI RL RF		ORREC	SENSE:INT	#Avg Type	ALIGN AUTO E: RMS	03:07:35 PMI TRACE TYPE	lay 11, 2022	Frequency
PASS 10 dB/div Ref 30.	ا 00 dBm	PNO: Fast 🖵 FGain:Low	Atten: 40 dB		M	DET (r1 6.899	ANNNN	Auto Tune
20.0 Trace 1 Pass								Center Freq 5.89000000 GHz
0.00								Start Freq 1.78000000 GHz
-10.0								Stop Freq 10.000000000 GHz
-30.0				1	- Sint a series			CF Step 822.000000 MHz <u>Auto</u> Man
-50.0								Freq Offset 0 Hz
-60.0 Start 1.780 GHz #Res BW 1.0 MHz		#VBW	3.0 MHz		weep 14	Stop 10.0	000 GHz	Scale Type Log <u>Lin</u>
MSG					STATU			

Plot 7-123. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel - Ant F)



Plot 7-124. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 83 of 238	
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Keysight Spectrum.							
L <mark>XI</mark> RL RF	50 Ω AC	CORREC	SENSE:IN	#Avg Typ		03:08:35 PM May 11, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	f 20.00 dBm	PNO: Fast IFGain:Low	Atten: 30 dB	1	Mkr	1 1.664 5 GHz -54.46 dBm	Auto Tune
10.0 Trace 1 P	Pass						Center Freq 870.000000 MHz
-10.0							Start Freq 30.000000 MHz
-20.0							Stop Freq 1.710000000 GHz
-40.0						1	CF Step 168.000000 MHz <u>Auto</u> Man
-60.0		naturity of the second	ann far far an	angungan quiranyilli ayayya kiyon kiyon anguna digiti ay			Freq Offset 0 Hz
Start 0.0300 G #Res BW 1.0 I		#VBW	3.0 MHz		Sweep <u>2.2</u>	Stop 1.7100 GHz 40 ms (3361 pts)	Scale Type Log <u>Lin</u>
MSG					STATUS		

Plot 7-125. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel - Ant F)



Plot 7-126. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 04 of 220	
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	trum Analyzer - Sw									
LXI RL	RF 50 Ω	AC O	ORREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	May 11, 2022	Frequency
PASS			PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 10			Mkr	1 17.69	3 5 GHz 3 dBm	Auto Tune
10 dB/div	Ref 0.00 dl	Bm						-02.2	53 aBm	
-10.0										Center Freq 15.000000000 GHz
-20.0										Start Freq 10.000000000 GHz
-40.0										Stop Freq 20.000000000 GHz
-60.0							1			CF Step 1.000000000 GHz <u>Auto</u> Man
-70.0										
-80.0										Freq Offset 0 Hz
-90.0										Scale Type
Start 10.00 #Res BW 1			#VBV	V 3.0 MHz		S	weep 25	Stop 20 .33 ms <u>(</u> 2	.000 GHz 0001 pts)	Log <u>Lin</u>
MSG							STATUS	5		

Plot 7-127. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT			
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# NR Band n66 – Ant F

	ectrum Analyz	er - Swep	ot SA										
LXI RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#0 T	ALIGN AUTO		PM May 20, 2022	F	requency
PASS				PNO: F IFGain:I	ast 🖵 Low	Trig: Fre #Atten: 3		#Avg i	ype: RWS	T	YPE A WWWWW DET A NNNN		
10 dB/div	Ref 20	.00 di	Bm						N	1kr1 1.7 -43	10 0 GHz .12 dBm		Auto Tune
10.0	e 1 Pass												Center Freq 0.000000 MHz
-10.0												3	Start Freq 0.000000 MHz
-20.0												1.71	Stop Freq
-40.0											1, →	16 <u>Auto</u>	CF Step 8.000000 MHz Mar
-60.0		******	ىلە بە <sup>ر</sup> مەركىلەمىيە	*****	a da antaria da antari	an a		مىيىرىيەر يەرىيەر ئەمەر تەرىپى مەرىپىرىيە بەر يەرىيەر ئەرىپى	wa <sub>a</sub> danna da Persebutu	40 p3(=30 <sup>(4</sup> 0)00) <sup>3</sup> (=30,00 <sup>4</sup> )			Freq Offset 0 Hz
-70.0 Start 0.03	00 CH2									Stop 4	.7100 GHz	Log	Scale Type Lin
#Res BW					#VBW	3.0 MHz			Sweep	2.240 ms	(3361 pts)		
MSG									STAT				

Plot 7-128. Conducted Spurious Plot (NR Band n66 -20.0MHz - 1 RB - Low Channel - Ant F)



Plot 7-129. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - Low Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Keysight Spectrum Analyzer - Swept SA				
K RL RF 50Ω AC		#Avg Type: F	GN AUTO 02:50:36 PM May 20, 2022 CMS TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	PNO: Fast Trig: Free IFGain:Low Atten: 10		Mkr1 18.298 5 GHz -70.059 dBm	Auto Tune
-10.0				Center Freq 15.00000000 GHz
-20.0				Start Freq 10.000000000 GHz
-40.0				Stop Freq 20.000000000 GHz
-60.0			1	CF Step 1.000000000 GHz <u>Auto</u> Man
-80.0				Freq Offset 0 Hz
30.0 Start 10.000 GHz				Scale Type Log <u>Lin</u>
#Res BW 1.0 MHz	#VBW 3.0 MHz	Swe	eep 25.33 ms (20001 pts)	

Plot 7-130. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - Low Channel - Ant F)



Plot 7-131. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - Mid Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT			
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	ctrum Analyzer - Swe									- 7 💌
L <mark>XI</mark> RL	RF 50 Ω	AC COR	REC	SEN	SE:INT	#Avg Typ	ALIGN AUTO e: RMS		May 20, 2022	Frequency
PASS		PN IFG	0:Fast 🖵 ain:Low	Trig: Free Atten: 40				TYP		
							M	(r1 5.92)	7 0 GHz	Auto Tune
10 dB/div Log	Ref 30.00 d	IBm						-47.0	93 dBm	
Trace	e 1 Pass									Center Fred
20.0										5.89000000 GHz
10.0										
10.0										Start Free
0.00										1.780000000 GHz
10.0										
-10.0										Stop Fred
-20.0										10.00000000 GHz
										CF Step
-30.0										822.000000 MHz
-40.0										<u>Auto</u> Mar
					1	. No				Freq Offse
-50.0	and the second second			under	international and					0 Ha
-60.0										
										Scale Type
Start 1.78	0 GHz							Stop 10	.000 GHz	Log <u>Lir</u>
#Res BW			#VBW	3.0 MHz		S	weep 14		6441 pts)	
MSG							STATUS	5		

Plot 7-132. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - Mid Channel - Ant F)



Plot 7-133. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - Mid Channel - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Keysight Spectrum Analyzer - Swept SA			
LXX RL RF 50Ω AC	CORREC SENSE:INT	ALIGN AUTO 02:51:01 PM May 20, 2022 #Avg Type: RMS TRACE 1 2 3 4 5	Frequency
PASS	PNO: Fast Trig: Free Run IFGain:Low Atten: 30 dB	TYPE A WWWW DET A N N N N	V N
10 dB/div Ref 20.00 dBm		Mkr1 1.693 5 GHz -60.08 dBm	Auto Tune
10.0			Center Freq 870.000000 MHz
.10.0			Start Freq 30.000000 MHz
-20.0			Stop Freq 1.71000000 GHz
-40.0			CF Step 168.000000 MHz <u>Auto</u> Man
-60.0	مەر-يەرەپىلىكى ئىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپ بىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى بىرىپىلىرىكى ب		Freq Offset 0 Hz
-70.0			Scale Type
Start 0.0300 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Stop 1.7100 GHz Sweep 2.240 ms (3361 pts	Log <u>Lin</u>
MSG		STATUS	

Plot 7-134. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - High Channel - Ant F)



Plot 7-135. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - High Channel - Ant F)

FCC ID: A3LSMF936B		Approved by: Technical Manager		
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🔤 Keysight Spectrum Analyzer - Swept SA				
LXX RL RF 50Ω AC		NSE:INT ALIGN AU #Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
PASS 10 dB/div Ref 0.00 dBm	PNO: Fast Trig: Free IFGain:Low Atten: 10	) dB	TYPE & WWWWW DET & NNNNN /kr1 18.260 5 GHz -70.311 dBm	Auto Tune
-10.0				Center Freq 15.00000000 GHz
-20.0				Start Freq 10.000000000 GHz
-40.0				Stop Freq 20.000000000 GHz
-60.0			<b>↓</b> <sup>1</sup>	CF Step 1.00000000 GHz <u>Auto</u> Man
-80.0				Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/D\// 2 0.841		Stop 20.000 GHz	Scale Type Log <u>Lin</u>
#Res BW 1.0 MHZ	#VBW 3.0 MHz		25.33 ms (20001 pts)	

Plot 7-136. Conducted Spurious Plot (NR Band n66 - 20.0MHz - 1 RB - High Channel - Ant F)

FCC ID: A3LSMF936B		Approved by: Technical Manager	
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## 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 its maximum duty cycle, 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.

# The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$ , where P is the transmitter power in Watts.

#### **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

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#### Test Notes

- Per 27.53(h) for AWS band operation, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. 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 emission are attenuated at least 26 dB below the transmitter power.
- 2. Per 27.53(g) for operations in the 663 698 MHz and 698 746MHz bands, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
- 3. Per 27.53(c)(5) for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
- For all plots showing emissions in the 763 775MHz and 793 805MHz band, the FCC limit per 27.53(c)(4) is 65 + 10 log<sub>10</sub>(P) = -35dBm in a 6.25kHz bandwidth.

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## WCDMA AWS – Ant B

	ectrum Analy:												
KI RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#Avg Typ	ALIGN AUTO		Apr 27, 2022	F	requency
PASS				PNO: W IFGain:	/ide ↔ Low	Trig: Fre #Atten: 3		#Avg typ		TYF DE			
I0 dB/div	Ref 25	.00 d	Bm						Mkr1	1.710 0 -20.0	00 GHz 04 dBm		Auto Tun
15.0 Trac	e 1 Pass												Center Fre 0000000 GH
5.00								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m				
5.00												1.70	Start Fre
15.0												1.71	Stop Fre 7500000 Gi
25.0						n.N				M			CF Ste
45.0		$\sim$		~~~	$\sim$	~~\/					- Cm	<u>Auto</u>	1.500000 MI M
55.0	~~~~												Freq Offs
65.0													0
30.U													Scale Typ
enter 1. Res BW					#VBW	300 kHz			Sweep 1	Span 1 .000 ms (	5.00 MHz 1001 pts)	Log	L
SG									STATUS	6			

Plot 7-137. Lower Band Edge Plot (WCDMA AWS - Ch. 1312 - Ant B)



Plot 7-138. Lower Extended Band Edge Plot (WCDMA AWS - Ch. 1312 - Ant B)

FCC ID: A3LSMF936B		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dawa 00 at 000	
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Keysight Spectrum Analyzer - Swept SA						- 0
LXX RL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: F	RMS TRA	CE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide +++ IFGain:Low	Trig: Free Run #Atten: 36 dB		C		
10 dB/div Ref 25.00 dBm				Mkr1 1.755 -23	045 GHz .23 dBm	Auto Tune
Trace 1 Pass						Center Freq
15.0		~~~~				1.755000000 GHz
5.00						Start Freq
-5.00		$\langle \rangle$				1.747500000 GHz
-5.00						
-15.0						Stop Freq
-25.0		<b>\</b>				1.762500000 GHz
. AN		h	$\sim$			CF Step
-35.0			- June of	mon		1.500000 MHz <u>Auto</u> Man
-45.0					m	
-55.0						Freq Offset 0 Hz
						UHZ
-65.0						Scale Type
Center 1.755000 GHz				Snan	15.00 MHz	Log <u>Lin</u>
#Res BW 100 kHz	#VBW	300 kHz	Sv	veep 1.000 ms	0.00 111112	
MSG				STATUS		

Plot 7-139. Upper Band Edge Plot (WCDMA AWS - Ch. 1513 - Ant B)



Plot 7-140. Upper Extended Band Edge Plot (WCDMA AWS - Ch. 1513- Ant B)

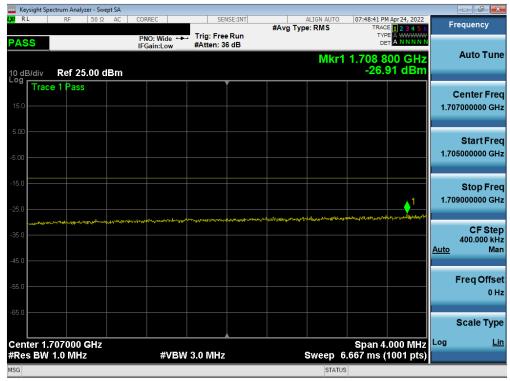
FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:	Dama 04 at 000				
1M2204110052-03.A3L	4/11/2022 - 6/18/2022	Portable Handset	Page 94 of 238				
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# LTE Band 66/4 – Ant B

	Spectrum A	nalyzer - Sw	ept SA										
RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#A	ALIGN AUTO		M Apr 24, 2022	F	requency
PASS				PNO: F IFGain:	ast ⊶⊶ Low	Trig: Fre #Atten: 3		#Avg Iy	vpe: RMS	TY	CE 1 2 3 4 5 6 PE A WWWWW ET A N N N N N		
0 dB/div	Ref	25.00	dBm						Mk	r1 1.709 -26.	95 GHz 33 dBm		Auto Tun
15.0 Tra	ice 1 Pa	ISS								and pattern Majoria			Center Fre 10000000 GH
5.00												1.68	Start Fre
25.0							1					1.73	Stop Fre
35.0		J	an and the second	and all all and	and the second	u <sup>a</sup> W <sup>W</sup> L <sup>Ia</sup> L <sup>M</sup> adul <sup>Ia</sup>	, 				houton	<u>Auto</u>	CF Ste 5.000000 M M
55.0	warman and												Freq Offs 0 I
enter 1	71000	GH7								Snan 5	0.00 MHz	Log	Scale Typ
Res BV					#VBW	1.6 MHz			Sweep	1.000 ms (	1001 pts)		
SG									STATI	IS			

Plot 7-141. Lower Band Edge Plot (LTE Band 66/4 - 20MHz QPSK – Full RB - Ant B)



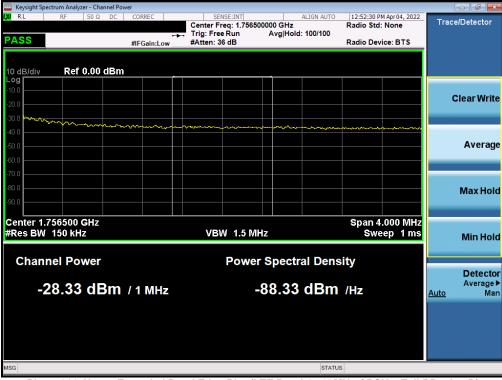
Plot 7-142. Lower Extended Band Edge Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B		Approved by: Technical Manager					
Test Report S/N:	Test Dates:	EUT Type:	Dage OF of 220				
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	nt Spectrum A	Analyzer - Sw	ept SA										
LXI RL	RF	50 Ω	DC	CORREC		SE	NSE:INT	#Avg Typ	ALIGN AUTO		M Apr 04, 2022	Fr	equency
PASS				PNO: Fa	ast ↔	Trig: Fre #Atten: 3		#AV9 191	Je. KWIJ	TYP	PE A WWWWW A NNNNN		
				II Gam.					Mkr	1 1.755	05 GHz		Auto Tune
10 dB/di Log		25.00 c	lBm							-27.	82 dBm		
T	race 1 P	ass					Ĭ						Center Freq
15.0													5000000 GHz
5.00				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second								Otort Erog
												1 73	Start Freq 0000000 GHz
-5.00												1.75	0000000 0112
45.0													
-15.0													Stop Freq
-25.0							1					1.78	0000000 GHz
20.0	Å						<b>X</b>						
-35.0	when						munimentin	mound		and the			CF Step
										byen	and when and	Auto	.000000 MHz Man
-45.0											- WWW		
													Freq Offset
-55.0													0 Hz
05.0													
-65.0													Scale Type
	1.7550				-	4.0.0411-			-	Span 5	0.00 MHz	Log	<u>Lin</u>
	SW 470 I	KHZ		3	₹VB₩	1.6 MHz					1001 pts)		
MSG									STATU	S			

Plot 7-143. Upper Band Edge Plot (LTE Band 4 - 20MHz QPSK - Full RB - Ant B)



Plot 7-144. Upper Extended Band Edge Plot (LTE Band 4 - 20MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 of 000
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Keysight Spectrum Analyzer - Swept SA							- 0
<b>LX </b> RL RF 50 Ω AC	CORREC	SENSE:INT	#Avg Type	ALIGN AUTO		Apr 24, 2022	Frequency
PASS	PNO: Fast +++ Trig: Fr IFGain:Low #Atten:				TYP De		Auto Tune
10 dB/div Ref 25.00 dBm				IVINI	-26.	92 dBm	
Trace 1 Pass							Center Freq
15.0							1.780000000 GHz
5.00	man and a second and a second						
							Start Freq 1.755000000 GHz
-5.00							1.7 33000000 GHZ
-15.0							Stop Freq
		1					1.805000000 GHz
-25.0		- Manger Charling	Marthy Jake Walk				CF Step
-35.0				and the second sec			5.000000 MHz Auto Man
-45.0					and the second		Eron Offent
-55.0					لامهيميتة <u>.</u>	ᢣᠬᠳᢔᡗᠰᢦ᠇ᡧ᠆ᡫᠣᠥᠬᡅ	Freq Offset 0 Hz
-65.0							
							Scale Type
Center 1.78000 GHz					Span 5		Log <u>Lin</u>
#Res BW 470 kHz	#VBW 1.6 MH	z	5		000 ms (	1001 pts)	
MSG				STATUS			

Plot 7-145. Upper Band Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant B)



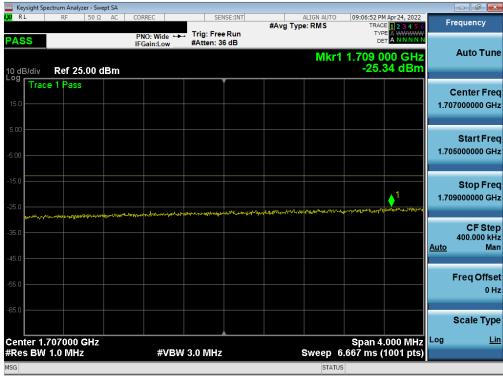
Plot 7-146. Channel Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA					
LXI RE 50Ω AC	CORREC	SENSE:INT	T ALIGN AL #Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	Mkr	1 1.710 000 0 GHz	Auto Tune
10 dB/div Ref 25.00 dBm				-26.44 dBm	
15.0 Trace 1 Pass					Center Freq 1.710000000 GHz
-5.00					Start Freq 1.691250000 GHz
-15.0		1			Stop Freq 1.728750000 GHz
-35.0	Netter	when and			CF Step 3.750000 MHz <u>Auto</u> Man
-45.0 -55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.71000 GHz #Res BW 360 kHz	#VBW	1.2 MHz	Swee	Span 37.50 MHz p 1.000 ms (1001 pts)	Log <u>Lin</u>
MSG				TATUS	

Plot 7-147. Lower Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant B)



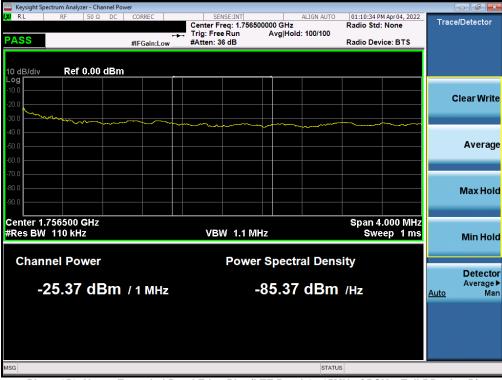
Plot 7-148. Lower Extended Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Indiant.org       Mikr1 1.755 187 5 GHz -26.27 dBm       Auto Tune         0 dB/div       Ref 25.00 dBm       -26.27 dBm       -26.27 dBm         0 dB/div       Ref 25.00 dBm       -26.27 dBm       -26.27 dBm         0 dB/div       Ref 25.00 dBm       -26.27 dBm       -26.27 dBm         0 dB/div       Ref 25.00 dBm       -26.27 dBm       -26.27 dBm         0 dB/div       Ref 25.00 dBm       -26.27 dBm       -26.27 dBm         1.75500000 GHz       -26.27 dBm       -26.27 dBm       -26.27 dBm         1.7550000 GHz       -26.27 dBm       -26.27 dBm       -26.27 dBm         500       -26.27 dBm       -26.27 dBm       -26.27 dBm       -26.27 dBm         500       -26.27 dBm       -26.27 dBm       -26.27 dBm       -26.27 dBm         500       -26.27 dBm       -26.27 dBm       -26.27 dBm       -26.27 dBm         500       -26.27 dBm       -26.27 dBm       -26.27 dBm       -26.27 dBm       -26.27 dBm         500       -26.27 dBm         500       -26.27 dBm       -26.27 d		oectrum Analyzer							
ASS PNO: Wide Trig: Free Run HGain:Low HAtten: 36 dB Mkr1 1.755 187 5 GHz -26.27 dBm Center Freq 1.75500000 GHz Start Freq 1.7550000 GHz Center Freq 1.7550000 GHz Center Freq 1.736250000 GHz Center Freq 1.736250000 GHz Center Freq 1.73750000 GHz Center Freq 1.7375000 GHz Center Freq 1.75500 GHz Center Freq 1.75500 GHz Center Freq 1.75500 GHz Center Freq 1.75500 GHz Center Freq 1.75500 GHz Center Freq 1.75500 GHz Sweep 1.000 ms (1001 pts)	LXI RL	RF	50Ω DC	CORREC	SENSE:I				
MIKT 1 1.735 161 9 GHZ         -26.27 dBm         Center Freq         1.75500000 GHZ         Start Freq         1.7550000 GHZ         Start Freq         1.736250000 GHZ         Start Freq         1.736250000 GHZ         Start Freq         1.73760000 GHZ         Start Freq         1.7376000 GHZ <th< th=""><th>PASS</th><th></th><th></th><th></th><th></th><th>n</th><th></th><th>TYPE A WWWW DET A NNNN</th><th>Ň</th></th<>	PASS					n		TYPE A WWWW DET A NNNN	Ň
Trace 1 Pass       Center Freq         150       Center Freq         500       Start Freq         500       1         <	10 dB/div	Ref 25.0	00 dBm				Mkr1 1	.755 187 5 GH: -26.27 dBn	2
Start Freq Start Freq 1.736250000 GHz Start Freq 1.736250000 GHz Start Freq 1.7375000 GHz Start Freq 1.7375000 GHz Start Freq 1.77375000 GHz Start Freq 1.000 ms (1001 pts)	15.0	e 1 Pass	چېرومېد موليد موليد 18- مېرومې مې	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- warry				Center Freq 1.755000000 GHz
Stop Freq Stop Freq 1.77375000 GHz Stop Freq 1.77375000 GHz Stop Freq Stop Freq Stop Freq 1.77375000 GHz Stop Freq Stop Stop Freq Stop Stop Freq Stop Stop Stop Freq Stop Stop Stop Freq Stop Stop Stop Stop Stop Stop Stop Stop	-5.00								<b>Start Freq</b> 1.736250000 GHz
3.750000 MHz Auto Man Freq Offset 0 Hz Scale Type Log Lin Res BW 360 kHz #VBW 1.2 MHz Sweep 1.000 ms (1001 pts)	-15.0								<b>Stop Freq</b> 1.773750000 GHz
Senter 1.75500 GHz Res BW 360 kHz #VBW 1.2 MHz Sweep 1.000 ms (1001 pts)	-35.0	•v <sup>-</sup>				and a second and the	Man March March	en e	CF Step 3.750000 MHz <u>Auto</u> Man
enter 1.75500 GHz Res BW 360 kHz #VBW 1.2 MHz Sweep 1.000 ms (1001 pts)	-55.0								Freq Offset 0 Hz
Res BW 360 kHz         #VBW 1.2 MHz         Sweep 1.000 ms (1001 pts)	-65.0								Scale Type
			z	#VBW	1.2 MHz		Sweep	Span 37.50 MH 1.000 ms (1001 pts	2
SG	MSG						STATU	```	

Plot 7-149. Upper Band Edge Plot (LTE Band 4 - 15MHz QPSK - Full RB - Ant B)



Plot 7-150. Upper Extended Band Edge Plot (LTE Band 4 - 15MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA					
LXI RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:07:02 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide	Trig: Free Run #Atten: 36 dB			
10 dB/div Ref 25.00 dBm			Mkr1	1.780 000 0 GHz -25.38 dBm	Auto Tune
15.0	and the second	www.			Center Freq 1.780000000 GHz
5.00					Start Freq 1.761250000 GHz
-15.0		1			Stop Freq 1.798750000 GHz
-35.0		and the second	White the stand of		CF Step 3.750000 MHz <u>Auto</u> Man
-45.0				Wind ador Warranger	Freq Offset 0 Hz
-65.0					Scale Type
Center 1.78000 GHz #Res BW 360 kHz	#VBW <sup>/</sup>	1.2 MHz	Sweep	Span 37.50 MHz 1.000 ms (1001 pts)	Log <u>Lin</u>
MSG			STAT	US	

Plot 7-151. Upper Band Edge Plot (LTE Band 66 - 15MHz QPSK - Full RB - Ant B)



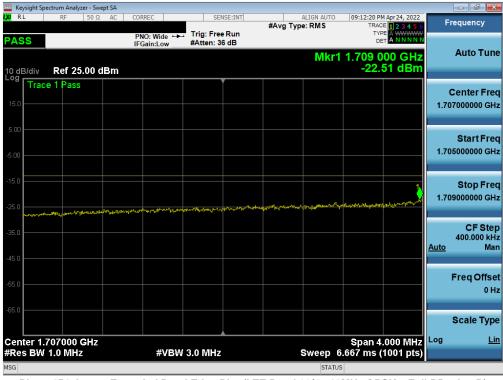
Plot 7-152. Upper Extended Band Edge Plot (LTE Band 66 - 15MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	um Analyzer - Swep									
L <mark>XI</mark> RL	RF 50 Ω	AC COF	RREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS		M Apr 24, 2022	Frequency
PASS	Ref 25.00 dl	IFO	Ю: Wide ↔ Gain:Low	Trig: Free #Atten: 3			Mkr1	TYF DE 1.709 9	75 GHz 17 dBm	Auto Tune
Log Trace	l Pass									Center Freq 1.710000000 GHz
-5.00										Start Freq 1.697500000 GHz
-15.0					1					Stop Freq 1.722500000 GHz
-35.0	maria	mm	grant and a start	www					-www.walt	CF Step 2.500000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0 Center 1.71	000 GHz-							Snap 2	5.00 MHz	Scale Type
#Res BW 24			#VBW	750 kHz			Sweep 1	1.000 ms (	1001 pts)	
MSG							STATU	S		

Plot 7-153. Lower Band Edge Plot (LTE Band 66/4 - 10MHz QPSK - Full RB - Ant B)



Plot 7-154. Lower Extended Band Edge Plot (LTE Band 66/4 - 10MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 101 of 220
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Keysight Spectrum Analyzer - Swept SA					
<b>LX </b> RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:51:23 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		g: Free Run tten: 36 dB		TYPE A WWWW DET A P N N N N	A
10 dB/div Ref 25.00 dBm			Mkr	1.755 025 GHz -25.09 dBm	Auto Tune
15.0 Trace 1 Pass		,			Center Freq 1.755000000 GHz
-5.00					Start Freq 1.742500000 GHz
-15.0		1			Stop Freq 1.767500000 GHz
-35.0		Margare	www.en	Vann water	CF Step 2.500000 MHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.75500 GHz #Res BW 240 kHz	#VBW 750	kHz	Sweep	Span 25.00 MHz 1.000 ms (1001 pts)	
MSG			STATU		

Plot 7-155. Upper Band Edge Plot (LTE Band 4 - 10MHz QPSK - Full RB - Ant B)



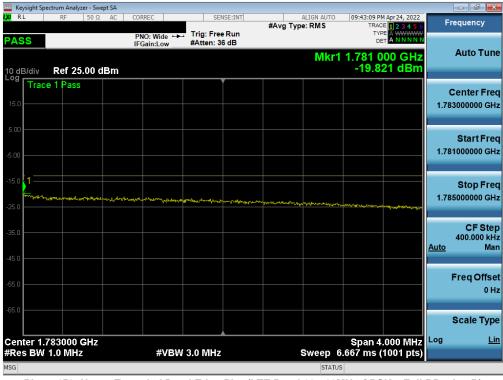
Plot 7-156. Upper Extended Band Edge Plot (LTE Band 4 - 10MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	D 400 (000	
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Keysight Spectrum Analyzer - Swept SA					- 7 🔀
LX RL RF 50Ω AC	CORREC S	ENSE:INT #Avg	ALIGN AUTO Type: RMS	09:12:31 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ++ Trig: Fr IFGain:Low #Atten:			DET A NNNN	Auto Turo
10 dB/div Ref 25.00 dBm			Mkr1	1.780 000 GHz -24.59 dBm	Auto Tune
15.0					Center Freq 1.78000000 GHz
5.00					Start Freq 1.767500000 GHz
-15.0		1 Vvvv			Stop Freq 1.792500000 GHz
-35.0			Manna and	men men many and a	CF Step 2.500000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.78000 GHz #Res BW 240 kHz	#VBW 750 kH	Z	Sweep 1	Span 25.00 MHz .000 ms (1001 pts)	
MSG			STATUS		

Plot 7-157. Upper Band Edge Plot (LTE Band 66 - 10MHz QPSK - Full RB - Ant B)



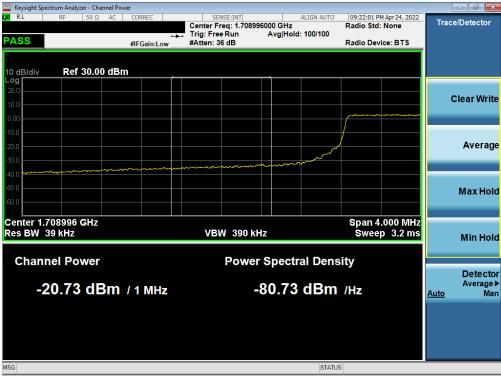
Plot 7-158. Upper Extended Band Edge Plot (LTE Band 66 - 10MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA					- 0
<b>LX </b> RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:17:43 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB			Auto Tune
10 dB/div Ref 25.00 dBm		_	WIKET 1	.709 987 5 GHz -22.14 dBm	
Trace 1 Pass		Ĭ			Center Freq
15.0					1.710000000 GHz
5.00		~~~~			
					Start Freq
-5.00					1.703750000 GHz
-15.0		[			Stop Freq
		$\mathbf{x}^{1}$			1.716250000 GHz
-25.0	m	m		h	CF Step
-35.0					1.250000 MHz <u>Auto</u> Man
-45.0					
-55.0					Freq Offset
					0 Hz
-65.0					Scale Type
Center 1.710000 GHz #Res BW 120 kHz	#\/B\\/	390 kHz	Sweep	Span 12.50 MHz I.000 ms (1001 pts)	Log <u>Lin</u>
MSG	# V D V V	550 MHZ	STATU		

Plot 7-159. Lower Band Edge Plot (LTE Band 66/4 - 5MHz QPSK - Full RB - Ant B)



Plot 7-160. Lower Extended Band Edge Plot (LTE Band 66/4 - 5MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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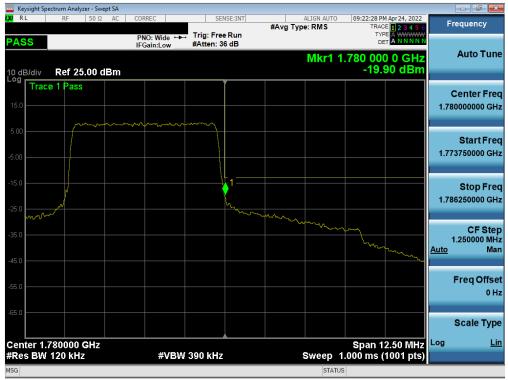
Plot 7-161. Upper Band Edge Plot (LTE Band 4 - 5MHz QPSK - Full RB - Ant B)



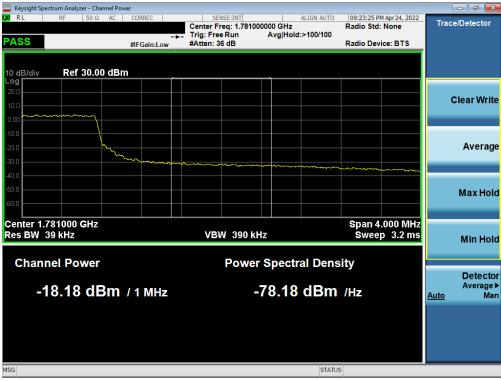
Plot 7-162. Upper Extended Band Edge Plot (LTE Band 4 - 5MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-163. Upper Band Edge Plot (LTE Band 66 - 5MHz QPSK - Full RB - Ant B)



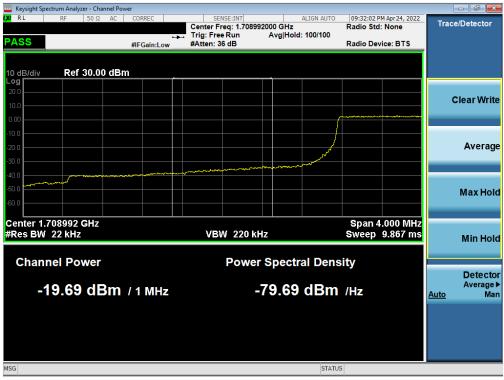
Plot 7-164. Upper Extended Band Edge Plot (LTE Band 66 - 5MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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<u>-</u>	•		V3.0 1/5/2022



Keysight Spectrum Analyzer - Swept SA						
LX RL RF 50Ω AC	CORREC	SENSE:IN	T Avg Type		1:15 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide	Trig: Free Run #Atten: 36 dB			TYPE A WWWWW DET A NNNN	Auto Tune
10 dB/div Ref 25.00 dBm				Mkr1 1.709	955 0 GHz -21.40 dBm	Auto Tulle
15.0 Trace 1 Pass			ar arthdalla Loudi Dr A4. or	u til av section and a section areas		Center Freq 1.710000000 GHz
-5.00			udhadd yr af yn	And a Madulation Prove and Man		Start Freq 1.706250000 GHz
-15.0						Stop Freq 1.713750000 GHz
-25.0 -35.0 -45.0 pr 144 pr 14	woodlay the and the	npharel Ano, P			"Whenhold the	CF Step 750.000 kHz <u>Auto</u> Man
-45.0 ph 44 (CMC						Freq Offset 0 Hz
.65.0						Scale Type
Center 1.710000 GHz #Res BW 75 kHz	#VBW	240 kHz		Sp Sweep 12.53	an 7.500 MHz ms (1001 pts)	
MSG				STATUS		

Plot 7-165. Lower Band Edge Plot (LTE Band 66/4 - 3MHz QPSK - Full RB - Ant B)



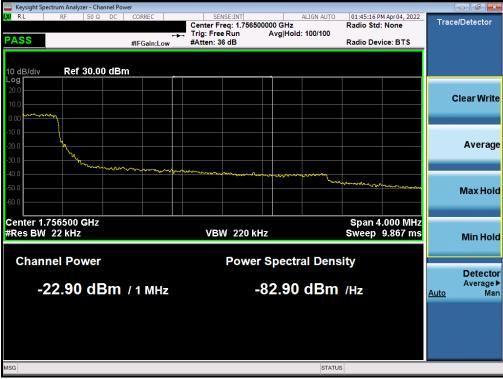
Plot 7-166. Lower Extended Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
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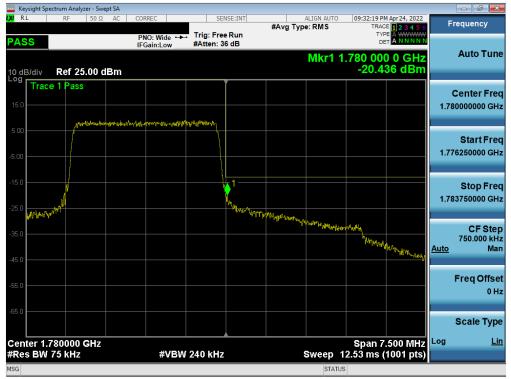
Plot 7-167. Upper Band Edge Plot (LTE Band 4 - 3MHz QPSK - Full RB - Ant B)



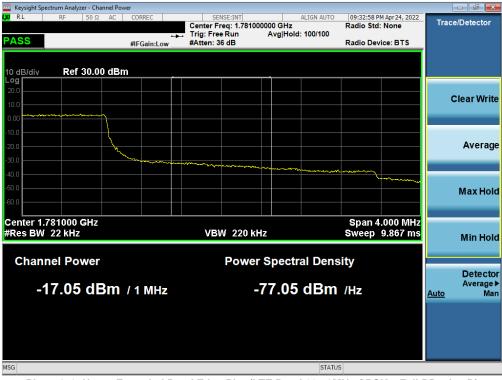
Plot 7-168. Upper Extended Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 220
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Plot 7-169. Upper Band Edge Plot (LTE Band 66 - 3MHz QPSK - Full RB - Ant B)



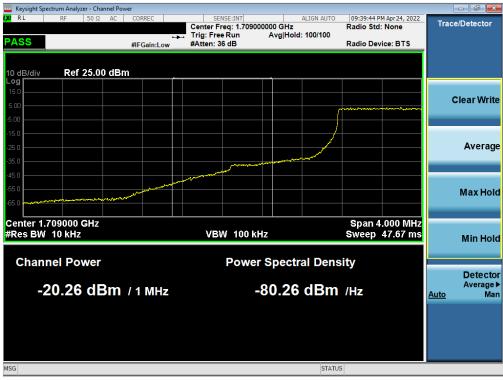
Plot 7-170. Upper Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 220
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Plot 7-171. Lower Band Edge Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB - Ant B)



Plot 7-172. Lower Extended Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dara 440 at 000
1M2204110052-03.A3L	4/11/2022 - 6/18/2022	Portable Handset	Page 110 of 238
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Plot 7-173. Upper Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB - Ant B)



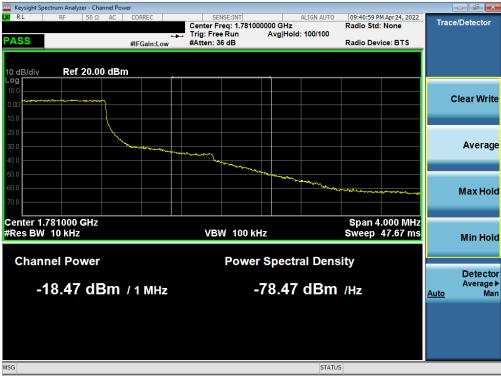
Plot 7-174. Upper Extended Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 111 of 238
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Plot 7-175. Upper Band Edge Plot (LTE Band 66 - 1.4MHz QPSK - Full RB - Ant B)



Plot 7-176. Upper Extended Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB - Ant B)

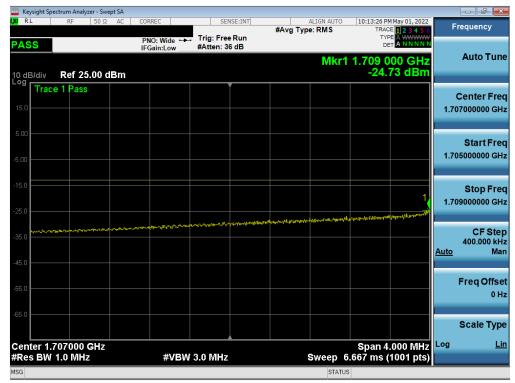
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama (40 a) (000
1M2204110052-03.A3L	4/11/2022 - 6/18/2022	Portable Handset	Page 112 of 238
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### NR Band n66 – Ant B

	pectrum Ana												
RL	RF	50 Ω	AC	CORREC		SEI	NSE:INT		ALIGN AUTO		4 May 01, 2022	E	requency
ASS				PNO: F	ast ↔ ₋ow	Trig: Free #Atten: 3		#Avg Tyj	pe: RMS	TRAC TYP DE	E 1 2 3 4 5 6 E A WWWWW T A N N N N N		
dB/div	Ref 2	25.00 d	Bm						Mk	r1 1.709 -30.4	95 GHz 47 dBm		Auto Tu
<sup>5.0</sup> Tra	ce 1 Pas	S											Center Fr
00							mulan	mansonth	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	marca many			Start Fi
00												1.68	5000000 G
i.0												1.73	Stop Fi 5000000 c
						www	1				man		CF St
i.0		an march	man	m		www.					N W Mar	<u>Auto</u>	5.000000 N N
.0	می م												Freq Off
i.0													
enter_1	.71000	GHz								Span 5	0.00 MHz		Scale Ty
	240 ki			;	#VBW	820 kHz			Sweep	1.000 ms (	1001 pts)		
3									STATU	IS			

Plot 7-177. Lower Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant B)



Plot 7-178. Lower Extended Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 113 of 238
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	pectrum Analyzer - Swept SA								
LXI RL	RF 50 Ω AC	CORREC	SEN	SE:INT	#Avg Type	ALIGN AUTO e: RMS		May 01, 2022	Frequency
PASS		PNO: Fast +++ IFGain:Low	Trig: Free #Atten: 36				TYP DE		Auto Tune
10 dB/div Log	Ref 25.00 dBm					Mkr	1 1.780 -28.:	00 GHz 24 dBm	Auto Tune
Trac	ce 1 Pass								Center Freq
15.0									1.780000000 GHz
5.00	بالمراجع المراجع	wanterware the theory	ᢁᡙᢑᡶᡐ᠕᠆ᡧᡗᠬ						Otest From
-5.00									Start Freq 1.755000000 GHz
5.66									
-15.0									Stop Freq
-25.0				1					1.805000000 GHz
	wood			who we					CF Step
-35.0				and the second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second			5.000000 MHz <u>Auto</u> Man
-45.0							h		
-55.0							- Jon you		Freq Offset 0 Hz
-65.0								n when	
									Scale Type
Center 1.	.78000 GHz						Span 5	0.00 MHz	Log <u>Lin</u>
#Res BW	240 kHz	#VBW	820 kHz					1001 pts)	
MSG						STATUS			

Plot 7-179. Upper Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant B)



Plot 7-180. Upper Extended Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dama 44.4 af 000	
1M2204110052-03.A3L	4/11/2022 - 6/18/2022	Portable Handset	Page 114 of 238	
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	ectrum Analyzer - Swej									
L <mark>XI</mark> RL	RF 50 Ω	AC CORR	EC	SEI	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS		May 01, 2022	Frequency
PASS			):Wide +	. Trig: Free #Atten: 3		0 //		TYF DE		Auto Tune
10 dB/div Log	Ref 25.00 d	Bm						.710 000	59 dBm	
Trac	e 1 Pass									Center Freq
15.0										1.710000000 GHz
5.00					mus	a and a server		m		Otest From
-5.00					ļ					Start Freq 1.691250000 GHz
5.00					ļ					
-15.0										Stop Freq
-25.0				(	1					1.728750000 GHz
25.0				)				ل.	×~	CF Step
-35.0	a a muu	www	h	www					W	3.750000 MHz <u>Auto</u> Man
-45.0		· · · · ·								
-55.0										Freq Offset 0 Hz
-65.0										
										Scale Type
	71000 GHz						_	Span 3	7.50 MHz	Log <u>Lin</u>
#Res BW	180 kHz		#VBW	620 kHz				.000 ms (	1001 pts)	
MSG							STATU	S		

Plot 7-181. Lower Band Edge Plot (NR Band n66 - 15.0MHz - Full RB - Ant B)



Plot 7-182. Lower Extended Band Edge Plot (NR Band n66 - 15.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dara 445 at 000	
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www.www.com analyzer - Swept SA				
LX RL RF 50Ω AC	CORREC SE	NSE:INT #Avg Type		MMay 01, 2022 Frequency
PASS	PNO: Wide ↔ Trig: Fre IFGain:Low #Atten: 3		TYF DE	
10 dB/div Ref 25.00 dBm			Mkr1 1.780 00 -26.	64 dBm
15.0 Trace 1 Pass				Center Freq 1.780000000 GHz
-5.00				Start Freq 1.761250000 GHz
-15.0		1		Stop Freq 1.798750000 GHz
-35.0 mm		hanner	m	CF Step 3.750000 MHz <u>Auto</u> Man
-45.0				Freq Offset
-65.0				Scale Type
Center 1.78000 GHz #Res BW 180 kHz	#VBW 620 kHz		Span 3 Sweep 1.000 ms (	7.50 MHz Log Lin (1001 pts)
MSG			STATUS	

Plot 7-183. Upper Band Edge Plot (NR Band n66 - 15.0MHz - Full RB - Ant B)



Plot 7-184. Upper Extended Band Edge Plot (NR Band n66 - 15.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dogo 116 of 220	
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	ectrum Analyzer - Swept SA					
LX/IRL	RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUT #Avg Type: RMS	0 10:25:37 PM May 01, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	- //	TYPE A WWWWW DET A NNNN	Auto Tune
10 dB/div Log	Ref 25.00 dBm			Mk	r1 1.709 975 GHz -27.16 dBm	Auto Tune
15.0 Trace	e 1 Pass					Center Freq 1.710000000 GHz
-5.00					mm	Start Freq 1.697500000 GHz
-15.0						Stop Freq
-25.0			1		hun	CF Step 2.500000 MHz
-45.0	m					<u>Auto</u> Man
-55.0						Freq Offset 0 Hz
	71000 GHz				Span 25.00 MHz	Scale Type Log <u>Lin</u>
#Res BW		#VBW	430 kHz	Sweep	1.000 ms (1001 pts)	
MSG				STA	ATUS	

Plot 7-185. Lower Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant B)



Plot 7-186. Lower Extended Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dawa 447 of 000
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Keysight Spectrum Analyzer - Swept SA					
LXU R.L RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	10:24:56 PM May 01, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		rig: Free Run Atten: 36 dB		TYPE A WWWWW DET A NNNNN	
10 dB/div Ref 25.00 dBm			Mkr	1 1.780 025 GHz -27.50 dBm	Auto Tune
15.0 Trace 1 Pass					Center Freq 1.78000000 GHz
-5.00	men and the second s	~~~~			Start Freq 1.767500000 GHz
-15.0		1			Stop Freq 1.792500000 GHz
-35.0			mmmm	mmm	CF Step 2.500000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type Log <u>Lin</u>
Center 1.78000 GHz #Res BW 120 kHz	#VBW 43	30 kHz	Sweep	Span 25.00 MHz 1.000 ms (1001 pts)	
MSG			STATU		

Plot 7-187. Upper Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant B)



Plot 7-188. Upper Extended Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 220	
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PASS PNO: Wide Trig: Free Run Frequency Trig: Free Run #Atten: 36 dB Mkr1 1.709 987 5 GHz -25.25 dBm Center Freq 1.71000000 GHz Start Freq 1.703750000 GHz Start Freq 1.703750000 GHz CF Step 1.25000 MHz Auto Tune Center Freq 1.716250000 GHz CF Step 1.25000 MHz Auto Man Freq Offset 0 Hz		ctrum Analyzer - Swe								
PASS Pro: Wide - Trig: Free Run #Atten: 36 dB Mikr1 1.709 987 5 GHz -25.25 dBm -25.25 dB	LXI RL	RF 50 Ω	AC CORREC		SENSE:INT					Frequency
100 dB/div Ref 25.00 dBm     110 dB/div Ref 25.00 dBm     110 dB/div Ref 25.00 dBm     110 dB/div	PASS			nue -				TYP! DE	A WWWWW A N N N N N	Auto Tune
15.0 5.00 5.00 15.0	10 dB/div Log		Bm					-25.2	25 dBm	
5.00 5.00	Irac	e 1 Pass								Center Freq
500 500 150 500 500 500 500 500	15.0									1.710000000 GHz
5.00 1.70375000 GHz 1.70375000 GHz	5.00					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m		Start Freq
250 360 450 450 450 450 450 450 450 45	-5.00									1.703750000 GHz
250 360 450 450 450 450 450 450 450 45										
35.0 45.0					¢1					
450 450 550 650 660 Center 1.710000 GHz Span 12.50 MHz Log Lin										
55.0 Freq Offset 65.0 Scale Type Center 1.710000 GHz Span 12.50 MHz Log Lin		2	A m	w					h	
Center 1.710000 GHz Span 12.50 MHz Log Lin	-45.0	$\sim \sim \sim$								Eros Offect
Center 1.710000 GHz Span 12.50 MHz Log Lin	-55.0									•
Center 1.710000 GHz Span 12.50 MHz Log Lin	-65.0									
Center 1.710000 GHz Span 12.50 MHz Log Lin #Res BW 62 kHz #VBW 220 kHz Sweep 1.400 ms (1001 pts)										Scale Type
sweep 1.400 ms (1001 pts)				#\(B)M 220			woon 1	Span 12	2.50 MHz	Log <u>Lin</u>
ISG STATUS	#Res DW			#VDVV 220	NHZ			· · · · · · · · · · · · · · · · · · ·	loo r pisj	

Plot 7-189. Lower Band Edge Plot (NR Band n66 - 5.0MHz - Full RB - Ant B)



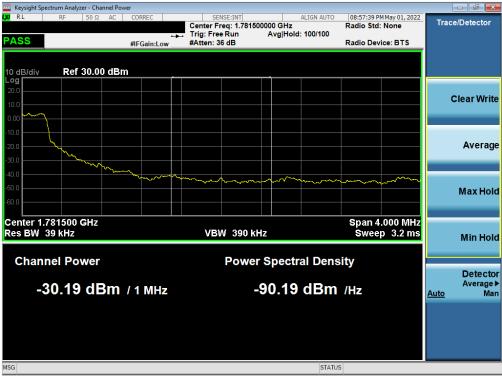
Plot 7-190. Lower Extended Band Edge Plot (NR Band n66 - 5.0MHz - Full RB - Ant B)

FCC ID: A3LSMF936B		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 220
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Plot 7-191. Upper Band Edge Plot (NR Band n66 - 5.0MHz - Full RB - Ant B)



Plot 7-192. Upper Extended Band Edge Plot (NR Band n66 – 5.0MHz - Full RB - Ant B)

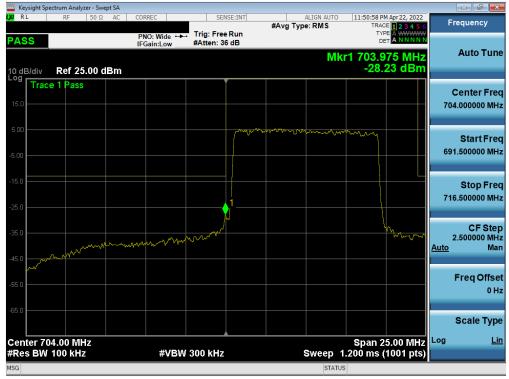
FCC ID: A3LSMF936B		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dama 400 af 000	
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## LTE Band 12/17 – Ant A

Keysight Spect	rum Analyzer	- Swept SA										
X/RL	RF	50Ω AC	CORRE	C	SEN	ISE:INT	#Avg Typ	ALIGN AUTO		M Apr 22, 2022	Fr	equency
PASS				:Wide ↔ in:Low	Trig: Free #Atten: 3				TYI Di			Auto Tuno
10 dB/div	Ref 25.0	00 dBm	n					Mk	r1 698.9 -29.	75 MHz 78 dBm		Auto Tune
Log Trace	1 Pass				,						c	enter Freq
15.0											699	.000000 MHz
5.00						prom	warner and	wowow	mon			Start Freq
-5.00											686	.500000 MHz
-15.0												Stop Freq
-25.0											711	.500000 MHz
-25.0					n . M	J				Lynn .		CF Step
-35.0		m	to more and	~~~~~~	mhanna					Mar and	2 <u>Auto</u>	.500000 MHz Man
-45.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~											
-55.0											F	req Offset <sup>=</sup> 0 Hz
-65.0												
												Scale Type
Center 699 #Res BW 1				#VBW	300 kHz			Sweep	Span 2 1.200 ms (	5.00 MHz (1001 pts)	Log	Lin
MSG								STATU				

Plot 7-193. Lower Band Edge Plot (LTE Band 12 - 10MHz QPSK – Full RB - Ant A)



Plot 7-194. Lower Band Edge Plot (LTE Band 17 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA					
LXX RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	) 11:37:25 PM Apr 22, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		g: Free Run ten: 36 dB		DET A PNNN	A
10 dB/div Ref 25.00 dBm			Μ	kr1 716.025 MHz -29.59 dBm	Auto Tune
15.0					Center Freq 716.000000 MHz
					710.000000 10112
	W. M. W. M.	~~			Start Freq 703.500000 MHz
-5.00					
-15.0					Stop Freq 728.500000 MHz
-25.0		Mura ma			CF Step
-35.0		- Werry	"Moto Mary		2.500000 MHz <u>Auto</u> Man
-45.0			h h	A	Freq Offset
-55.0				Manuran	0 Hz
-65.0					Scale Type
Center 716.00 MHz #Res BW 100 kHz	#VBW 300	kHz	Sweep	Span 25.00 MHz 1.200 ms (1001 pts)	Log <u>Lin</u>
MSG			STA		

Plot 7-195. Upper Band Edge Plot (LTE Band 12/17 - 10MHz QPSK - Full RB - Ant A)



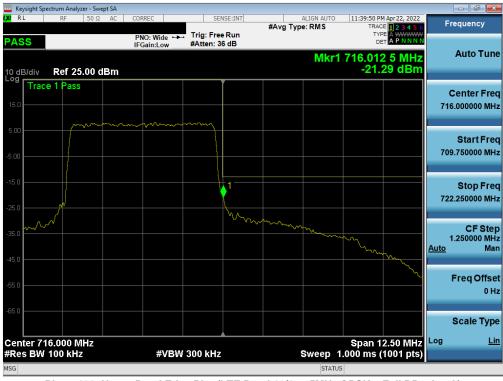
Plot 7-196. Lower Band Edge Plot (LTE Band 12 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dawa 400 of 000
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Keysight Spectrum Analyzer - Swept SA					
LXU RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	11:52:09 PM Apr 22, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	<b>N</b> iller		Auto Tune
10 dB/div Ref 25.00 dBm			WIKE	703.987 5 MHz -24.39 dBm	
Trace 1 Pass		Ĭ			Center Freq
15.0					704.000000 MHz
5.00			www.www.	m	Otent Ener
-5.00					Start Freq 697.750000 MHz
-5.00					
-15.0					Stop Freq
-25.0		<b>\</b> '		<u> </u>	710.250000 MHz
	· · · · · · · · · · · · · · · · · · ·	m		Www.	CF Step
-35.0	~~~				1.250000 MHz <u>Auto</u> Man
-45.0					
-55.0					Freq Offset 0 Hz
of 0					0112
-65.0					Scale Type
Center 704.000 MHz				Span 12.50 MHz	Log <u>Lin</u>
#Res BW 100 kHz	#VBW	300 kHz		1.000 ms (1001 pts)	
MSG			STATU	S	

Plot 7-197. Lower Band Edge Plot (LTE Band 17 - 5MHz QPSK - Full RB - Ant A)



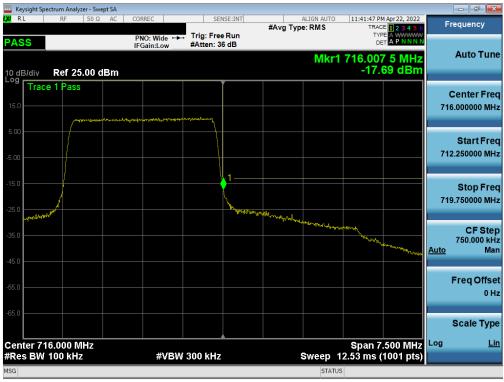
Plot 7-198. Upper Band Edge Plot (LTE Band 12/17 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 400 at 000
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www.www.www.com.com.com.com.com.com.com.com.com.com					
LXURL RF 5	0 Ω AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	11:41:33 PM Apr 22, 2022 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.0	PNO: Wide ↔ IFGain:Low 0 dBm	. Trig: Free Run #Atten: 36 dB	- //	699.000 0 MHz -17.046 dBm	Auto Tune
Log Trace 1 Pass					Center Freq 699.000000 MHz
-5.00					Start Freq 695.250000 MHz
-15.0		1		h h h h h h h h h h h h h h h h h h h	Stop Freq 702.750000 MHz
-35.0	לאינאיינייןאיין אין אין אין אייערעערערערערערערערערערערערערערערערערער				CF Step 750.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 699.000 MH #Res BW 100 kHz		/ 300 kHz	Sweep 1	Span 7.500 MHz 2.53 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-199. Lower Band Edge Plot (LTE Band 12 - 3MHz QPSK - Full RB - Ant A)



Plot 7-200. Upper Band Edge Plot (LTE Band 12 - 3MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		Approved by: Technical Manager	
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Plot 7-201. Lower Band Edge Plot (LTE Band 12 - 1.4MHz QPSK - Full RB - Ant A)



Plot 7-202. Upper Band Edge Plot (LTE Band 12 - 1.4MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		Approved by: Technical Manager	
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# LTE Band 13 – Ant B

	trum Analyzer - Sw										
RL	RF 50 G	2 AC	CORREC	SENSE	:INT	#Avg Typ	ALIGN AUTO		Apr 22, 2022	Fr	equency
ASS			PNO: Wide +++ IFGain:Low	Trig: Free R #Atten: 36 d				TYF			
) dB/div	Ref 25.00	dBm					М	kr1 777. -32.	00 MHz 37 dBm		Auto Tur
og Trace	1 Pass										Center Fre
i.00 i.00						www.				767	Start Fr .000000 M
5.0										787	Stop Fr .000000 M
5.0										2 <u>Auto</u>	CF St 2.000000 M N
5.0	June march										Freq Offs 0
5.0											Scale Ty
enter 777 Res BW 1			#VBW	300 kHz			Sweep 1	Span 2 1.000 ms (	0.00 MHz 1001 pts)	Log	<u> </u>
G							STATU	S			

Plot 7-203. Lower Band Edge Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)

	ectrum Analyzer - Sv									
LXI RL	RF 50 S	2 AC	CORREC		ISE:INT SOUR	CE OFF	ALIGN AUTO		Apr 03, 2022	Frequency
PASS			PNO: Wide +++	Trig: Free #Atten: 30				TYP		
							Mk	r1 775.0	00 MHz	Auto Tune
10 dB/div Log	Ref 15.00	dBm						-66.6	39 dBm	
Trac	e 1 Pass									Center Free
5.00										769.000000 MH:
-5.00										
-3.00										Start Free
-15.0										763.000000 MH:
-25.0										Stop Free
-35.0										775.000000 MH:
										CF Ster
-45.0										1.200000 MH
-55.0										<u>Auto</u> Mar
00.0									1	<b>F</b> ace <b>0 6</b>
-65.0										Freq Offse
TE O YAMAN	not and a particular the	-		الجج الموجعه جوصدهم	, linger and a star and	uddaesawingtenson	entrigit and granted by some	a ha	a des an	
-75.0										Scale Type
Contor 76	9.000 MHz							Enon 4	2.00 MHz	Log Lir
#Res BW			#VBW	30 kHz			Sweep 8	span 1 1.87 ms (	2.00 MHz 4001 pts)	
MSG							STATUS			

Plot 7-204. Lower Emission Mask Plot (LTE Band 13 - 10MHz QPSK – Full RB - Ant A)

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Plot 7-205. Upper Band Edge Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)



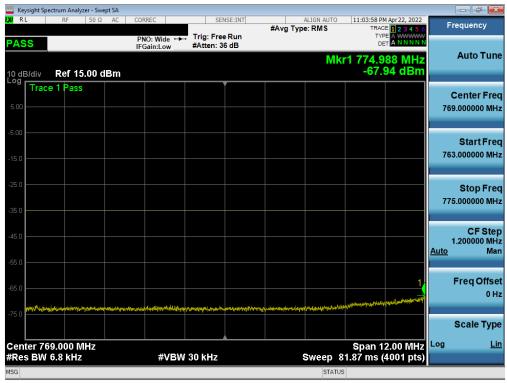
Plot 7-206. Upper Emission Mask Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA					- 7
<b>LX </b> RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	11:03:27 PM Apr 22, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	M	TYPE A WWWW DET A N N N N N kr1 776.98 MHz	Auto Tune
10 dB/div Ref 25.00 dBm				-24.15 dBm	
15.0 Trace 1 Pass					Center Freq 777.000000 MHz
-5.00			<u>nden (namer natify niet print dan ander in the distribution and and and and and and and and and an</u>		Start Freq 772.000000 MHz
-15.0		 1			Stop Freq 782.000000 MHz
-35.0		and the second state of th			CF Step 1.000000 MHz <u>Auto</u> Man
-45.0	and the second				Freq Offset 0 Hz
-65.0					Scale Type
Center 777.000 MHz #Res BW 100 kHz	#VBW	300 kHz	Sweep 1	Span 10.00 MHz 6.67 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-207. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)



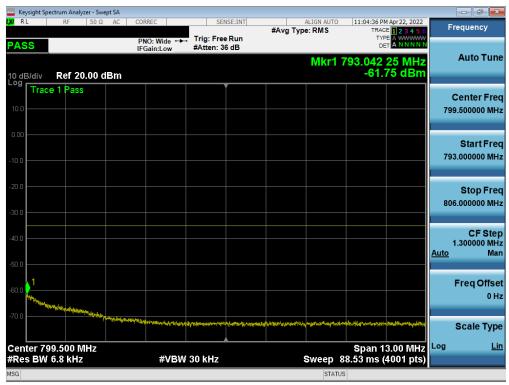
Plot 7-208. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
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	Spectrum Analyzer - Swept SA	· · · · ·					
LX/RL	RF 50 Ω AC	CORREC	SENSE:1	AVg Typ	ALIGN AUTO	11:04:15 PM Apr 22, 2022 TRACE 1 2 3 4 5	
PASS		PNO: Wide ++- IFGain:Low	Trig: Free Ru #Atten: 36 dE				
10 dB/div Log	Ref 25.00 dBm				MK	r1 787.03 MHz -24.07 dBm	Auto Func
Tra	ce 1 Pass		ľ				Center Freq
15.0							787.000000 MHz
5.00		An Connection of the Connection of the Connection	-				Start Freq
-5.00							782.000000 MHz
-15.0							
ľ			<b>1</b>				Stop Freq 792.000000 MHz
-25.0			hu hu				
-35.0				wited with providence of the second		longe in the second sec	CF Step 1.000000 MHz
-45.0						- have been and a lot of	<u>Auto</u> Man
-55.0							Freq Offset
							0 Hz
-65.0							Scale Type
	/87.000 MHz					Span 10.00 MHz	Log <u>Lin</u>
	V 100 kHz	#VBW	300 kHz			.67 ms (1001 pts	
MSG					STATUS		

Plot 7-209. Upper Band Edge Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)



Plot 7-210. Upper Emission Mask Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
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### NR Band n<u>12 – Ant A</u>

	trum Analyzer - Swept	SA				
X/RL	RF 50 Ω	DC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	03:21:48 PM Apr 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		PNO: Wide +++	Trig: Free Run #Atten: 36 dB	#Avg Type. Airo		
10 dB/div	Ref 25.00 dB	sm		Mkr1	698.962 5 MHz -26.33 dBm	Auto Tune
Log Trace	1 Pass		Ĭ			Center Fre
15.0						699.000000 MH
5.00				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Start Fre
5.00						680.250000 MH
15.0						Stop Fre
25.0			<u> </u> 1			717.750000 Mi
-25.0			2		<b>N</b>	
35.0			mol		how was	CF Ste 3,750000 MI
		man			- vu	Auto Ma
45.0		Jan Martin				
55.0						Freq Offs
og manne	man					01
65.0						Scale Typ
Center 699		-#\/D\M	040 KHz	Current	Span 37.50 MHz	Log <u>L</u>
Res BW 2	ZV KHZ	#VBW	910 kHz	Sweep	.000 ms (1001 pts)	
				SIAIDA		

Plot 7-211. Lower Band Edge Plot (NR Band n12 - 15.0MHz - Full RB - Ant A)



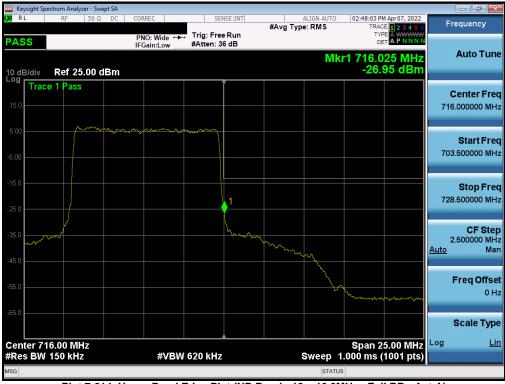
Plot 7-212. Upper Band Edge Plot (NR Band n12 - 15.0MHz - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager		
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Plot 7-213. Lower Band Edge Plot (NR Band n12 - 10.0MHz - Full RB - Ant A)



Plot 7-214. Upper Band Edge Plot (NR Band n12 - 10.0MHz - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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🔤 Keysight Spectrum Analyzer - Swept SA 🚽					
LXI RL RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	01:41:31 PM Apr 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide +++ IFGain:Low	Trig: Free Run #Atten: 36 dB	- //	TYPE A WWWWW DET A NNNNN	Auto Tuno
10 dB/div Ref 25.00 dBm			Mkr1	698.987 5 MHz -21.12 dBm	Auto Tune
Trace 1 Pass					Center Freq 699.000000 MHz
-5.00					Start Freq 692.750000 MHz
-15.0		1			<b>Stop Freq</b> 705.250000 MHz
-35.0		~~			<b>CF Step</b> 1.250000 MHz <u>Auto</u> Man
-55.0					<b>Freq Offset</b> 0 Hz
-65.0					Scale Type
Center 699.000 MHz #Res BW 75 kHz	#VBW	300 kHz	Sweep 1	Span 12.50 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-215. Lower Band Edge Plot (NR Band n12 - 5.0MHz - Full RB - Ant A)



Plot 7-216. Upper Band Edge Plot (NR Band n12 - 5.0MHz - Full RB - Ant A)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
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### LTE Band 66/4 – Ant F

Keysight Spec	trum Analyze	r - Swept	SA										
KI RL	RF	50 Ω	AC	CORREC		SEI	ISE:INT		ALIGN AUTO		M May 11, 2022		requency
PASS				PNO: F IFGain:I	ast ↔ Low	Trig: Free #Atten: 3		#Avg Ty	pe: RMS	TY D	DE 123456 PE A WWWWW ET A NNNN		
10 dB/div	Ref 25.0	00 dB	m						Mk	r1 1.709 -24.	95 GHz 58 dBm		Auto Tune
og Trace	1 Pass						Junearthur	*****	landati unurfundan la u	List municipal A			Center Free 10000000 GH
5.00												1.6	Start Free 35000000 GH
-15.0						and a start and a start	1					1.73	Stop Fre 35000000 GH
35.0		WW. Car	-	and a start and a start	erendry Revenuer							<u>Auto</u>	CF Ste 5.000000 MH Ma
55.0	•*** 												Freq Offse 0 H
.65.0													Scale Typ
Center 1.7 #Res BW 4		Z		:	#VBW	1.6 MHz			Sweep	Span 5 1.000 ms	0.00 MHz (1001 pts)	Log	<u>Lii</u>
ISG									STATU	IS			

Plot 7-217. Lower Band Edge Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant F)



Plot 7-218. Lower Extended Band Edge Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	
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	pectrum Analyz												
LXI RL	RF	50 Ω	DC	CORREC		SE	NSE:INT	#Ava	ALIGN AUTO Type: RMS		AM Apr 04, 2022	F	requency
PASS					ast ↔	Trig: Fre		#/\¥9	Type. Nato	т	YPE A WWWWW DET A NNNNN		
FASS				IFGain:	LOW	#Atten: 3	6 aB						Auto Tune
10 dB/div Log	Ref 25	.00 dl	Bm						IVIK	-29	5 20 GHz .09 dBm		
Trac	e 1 Pass						Ĭ						Center Freq
15.0													5000000 GHz
5.00	منعم	www.	#^^^	and the street	herry My deallance	man							
0.00													Start Freq
-5.00												1.73	0000000 GHz
-15.0						[							Stop Freq
-25.0							1					1.78	0000000 GHz
an shall	and the						Mere as						
-35.0	Ma						Pres Marched	Mahantington	and an and and and and and and and and a	we have			CF Step 5.000000 MHz
											windfally and a	Auto	Man
-45.0											<u>ч</u>		
													Freq Offset
-55.0													0 Hz
-65.0													
													Scale Type
Center 1	.75500 GI	H7					<b>A</b>			Snan	50.00 MHz	Log	Lin
	470 kHz				#VBW	1.6 MHz			Sweep	1.000 ms	(1001 pts)		
MSG									STATU				

Plot 7-219. Upper Band Edge Plot (LTE Band 4 - 20MHz QPSK – Full RB - Ant F)



Plot 7-220. Upper Extended Band Edge Plot (LTE Band 4 - 20MHz QPSK – Full RB - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
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Keysight Spectrum Analyzer - Swept SA					
LXU RL RF 50Ω AC	CORREC SEN	ISE:INT #Avg Typ		M May 11, 2022 CE 1 2 3 4 5 6 Fr	equency
PASS	PNO: Fast +++ Trig: Free IFGain:Low #Atten: 36	Run	TY D		A
10 dB/div Ref 25.00 dBm			Mkr1 1.780 -27.	05 GHz 15 dBm	Auto Tune
15.0					Center Freq 0000000 GHz
-5.00				1.75	Start Freq 5000000 GHz
-15.0		1		1.80	Stop Freq 5000000 GHz
-35.0		weddin a far weddin a flwr a weddin a flwr a weddin a we	and many and have a look	Auto 5	CF Step .000000 MHz Man
-45.0				Marrian	Freq Offset 0 Hz
-65.0					Scale Type
Center 1.78000 GHz #Res BW 470 kHz	#VBW 1.6 MHz		Span 5 Sweep 1.000 ms	0.00 MHz Log (1001 pts)	<u>Lin</u>
MSG			STATUS		

Plot 7-221. Upper Band Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant F)



Plot 7-222. Channel Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
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Keysight Spectrum Analyzer - Swept SA					
<b>LX </b> RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	03:11:48 PM May 11, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB			Auto Tune
10 dB/div Ref 25.00 dBm			MK <b>r</b> 1 1	.710 000 0 GHz -24.58 dBm	
Trace 1 Pass		ľ			Center Freq
15.0		-add - an abo			1.710000000 GHz
5.00					Start Freq
-5.00					1.691250000 GHz
-15.0		<b>↓</b> 1			Stop Freq 1.728750000 GHz
-25.0	and the second second	moner		harman	CE Stor
-35.0					CF Step 3.750000 MHz <u>Auto</u> Man
					Freq Offset
-55.0					0 Hz
-65.0					Occile Trust
					Scale Type
Center 1.71000 GHz #Res BW 360 kHz	#VBW	1.2 MHz	Sweep 1	Span 37.50 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-223. Lower Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant F)



Plot 7-224. Lower Extended Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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weight Spectrum Analyzer - Swept S					
LX/ RL RF 50Ω A	AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:49:41 PM Apr 24, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide	Trig: Free Run #Atten: 36 dB	- //	TYPE A WWWWW DET A P N N N N	Auto Tune
10 dB/div Ref 25.00 dBi	m		Mkr1 1	.755 075 0 GHz -26.61 dBm	Auto Tulle
15.0 Trace 1 Pass					Center Freq 1.755000000 GHz
5.00	ander Vaperation of the state o	warming			
-5.00					Start Freq 1.736250000 GHz
-15.0					Stop Freq
-25.0		1 www.swn	Multon		1.773750000 GHz
-35.0				and a service	CF Step 3.750000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.75500 GHz #Res BW 360 kHz	#VBW /	1.2 MHz	Sweep 1	Span 37.50 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-225. Upper Band Edge Plot (LTE Band 4 - 15MHz QPSK - Full RB - Ant F)



Plot 7-226. Upper Extended Band Edge Plot (LTE Band 4 - 15MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMF936B		PART 27 MEASUREMENT REPORT		
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