

Spectrum Analyzer 1	+			Frequency 🔻 🗦
KEYSIGHT Input: RF RL Coupling: DC Align: Auto Align: Auto	Input Z: 50 Ω Atten: 10 dB Corr CCorr Freq Ref: Int (S) NFE: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS123456 Trig: Free Run A WW WW W A N N N N N	Center Frequency 15.00000000 GHz Span
1 Spectrum v Scale/Div 10 dB	Ref Level 0.0	0 dBm	Mkr1 19.966 5 GHz -63.524 dBm	10.0000000 GHz
Log Trace 1 Pass	Rei Levei 0.0	u abm	-03.324 0.511	Swept Span Zero Span
-10.0				Full Span
-20.0				Start Freq 10.000000000 GHz
-40.0				Stop Freq 20.000000000 GHz
-50.0				AUTO TUNE
-60.0				CF Step 1.000000000 GHz
-70.0				Auto Man
-90.0				Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#Video BW 3	.0 MHz	Stop 20.000 GHz Sweep ~19.1 ms (20001 pts)	
	Oct 08, 2022			Signal Track (Span Zoom)

Plot 7-198. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Low Channel - Ant F)

Spectrum Analyzer 1 Swept SA	+					Frequency	· · · 😤
KEYSIGHT Input: RF R L Coupling: DC Align: Auto Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	S <mark>1</mark> 23456 A WWWWW ANNNNN	Center Frequency 870.000000 MHz	Settings
1 Spectrum 🔹					706 0 GHz	Span 1.68000000 GHz	
Scale/Div 10 dB		Ref Level 20.00	dBm	-54	.025 dBm	Swept Span Zero Span	
10.0						Full Span	
0.00						Start Freq 30.000000 MHz	
-10.0						Stop Freq 1.710000000 GHz	
-30.0						AUTO TUNE	
-40.0					1	CF Step 168.000000 MHz Auto Man	
-60.0						Freq Offset 0 Hz	
Start 0.0300 GHz #Res BW 1.0 MHz		#Video BW 3.0	MHz		p 1.7100 GHz ms (3361 pts)		
	Oct 08, 2022 8:06:14 AM					Signal Track (Span Zoom)	

Plot 7-199. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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Spectrum Analyzer 1 Swept SA	+			Frequency v
KEYSIGHT Input: RF RL Imput: RF Align: Auto Align: Auto	Input Z: 50 Ω Atten: Corr CCorr Freq Ref: Int (S) NFE: Off	30 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WWWWW A N N N N N	Center Frequency 5.890000000 GHz
1 Spectrum v Scale/Div 10 dB	Ref Le	evel 20.00 dBm	Mkr1 4.008 5 GHz -47.616 dBm	8.22000000 GHz
10.0 Trace 1 Pass				Zero Span Full Span
-10.0				Start Freq 1.78000000 GHz
-20.0				Stop Freq 10.00000000 GHz
-30.0				AUTO TUNE CF Step
-50.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		822.000000 MHz Auto Man
-60.0				Freq Offset 0 Hz
Start 1.780 GHz #Res BW 1.0 MHz	#Vide	o BW 3.0 MHz	Stop 10.000 GHz Sweep ~15.4 ms (16441 pts)	
	? Oct 08, 2022			Signal Track (Span Zoom)

Plot 7-200. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant F)

Spectrum Analyzer 1 Swept SA	+			Frequency •	
KEYSIGHT Input: RF R L →→ Align: Auto ▶	Input Z: 50 Ω Atten: 1 Corr CCorr Freq Ref: Int (S) NFE: Off	0 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A N N N N N	Center Frequency 15.00000000 GHz	s
1 Spectrum 🔹		,	Mkr1 19.938 0 GHz		ļ
Scale/Div 10 dB	Ref Lev	vel 0.00 dBm	-63.383 dBm	Swept Span Zero Span	
-10.0				Full Span	
				Start Freq 10.000000000 GHz	
				Stop Freq 20.000000000 GHz	
				AUTO TUNE	
		And pure the search from the second	1	CF Step 1.000000000 GHz	
-70.0				Auto Man	
				Freq Offset 0 Hz	
Start 10.000 GHz #Res BW 1.0 MHz	#Video	BW 3.0 MHz	Stop 20.000 GHz Sweep ~19.1 ms (20001 pts		
	Oct 08, 2022 8:07:05 AM			Signal Track (Span Zoom)	

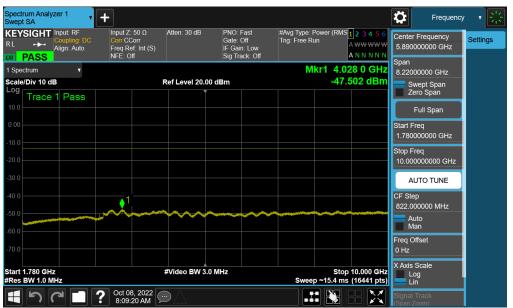
Plot 7-201. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Deep 107 of 202
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Spectrum Analyzer 1	+			Frequency 🔹	쓶
KEYSIGHT Input: RF RL Imput: RF Align: Auto Align: Auto	Input Z: 50 Ω Atten: 30 dB Corr CCorr Freq Ref: Int (S) NFE: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A N N N N N	Center Frequency 870.000000 MHz Span	s
1 Spectrum v Scale/Div 10 dB	Ref Level 20.0	00 dBm	Mkr1 1.708 5 GHz -54.266 dBm	1.68000000 GHz Swept Span	
Log Trace 1 Pass				Zero Span Full Span	
-10.0				Start Freq 30.000000 MHz	
-20.0				Stop Freq 1.710000000 GHz	
-30.0				AUTO TUNE CF Step	
-50.0		مېلې د دې ور د وې ور	1	168.000000 MHz Auto Man	
-60.0				Freq Offset 0 Hz	
Start 0.0300 GHz #Res BW 1.0 MHz	#Video BW 3	0 MHz	Stop 1.7100 GHz Sweep 2.24 ms (3361 pts)	X Axis Scale Log Lin	
	Cot 08, 2022			Signal Track (Span Zoom)	

Plot 7-202. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant F)



Plot 7-203. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF RL +	+ Input Z: 50 Ω Atten: 10 α Corr CCorr Freq Ref: Int (S) NFE: Off	IB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW W A N N N N	15.00000000 GHz
1 Spectrum v Scale/Div 10 dB		0.00 dBm	Mkr1 19.457 5 GHz -62.988 dBm	Span 10.0000000 GHz
20.0 Trace 1 Pass				Full Span Start Freq 10.00000000 GHz
40.0 50.0				Stop Freq 20.00000000 GHz
50.0 70.0	an manifestation of the sector			CF Step 1.000000000 GHz Auto Man
90.0				Freq Offset 0 Hz X Axis Scale
Start 10.000 GHz Res BW 1.0 MHz	#Video BN	W 3.0 MHz	Stop 20.000 GH; Sweep ~19.1 ms (20001 pts	Log

Plot 7-204. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant F)

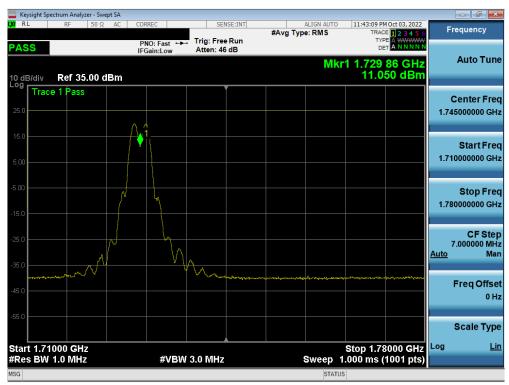
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 200
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Uplink CA LTE Band 66B/C – Ant F

Keysight Spectrum Analyzer - Swept	: SA				
X RL RF 50 Ω	AC CORREC	SENSE:INT	ALIGN AUTO	11:43:16 PM Oct 03, 2022	Frequency
PASS	PNO: Fast ↔ IFGain:Low	Trig: Free Run Atten: 30 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNNN	
10 dB/div Ref 20.00 dE	3m		MI	r1 1.709 0 GHz -52.987 dBm	Auto Tune
10.0 Trace 1 Pass					Center Frec 869.500000 MHz
-10.0					Start Free 30.000000 MH2
-20.0					Stop Fred 1.709000000 GH
50.0				1,	CF Stej 167.900000 MH <u>Auto</u> Ma
-60.0 	nennengen Britery Balteryn and ar gang	<u></u>		an managan ng mangang n	Freq Offse 0 H:
-70.0					Scale Type
Start 0.0300 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 2	Stop 1.7090 GHz 2.239 ms (3359 pts)	
MSG			STATUS	5	

Plot 7-205. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant F)



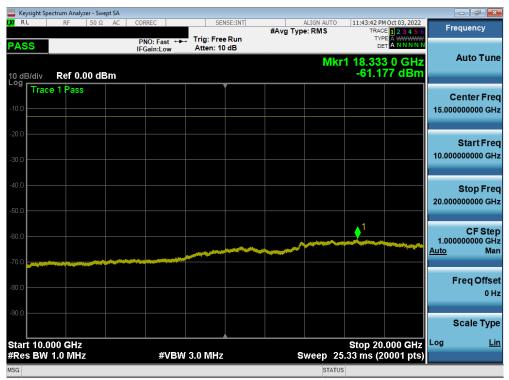
Plot 7-206. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
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		trum Analyzer:											_	- 0 ×
L <mark>X/</mark> RL		RF	50Ω AC	CORRI	EC	SE	NSE:INT	#Avg Tv	ALIGN AU pe: RMS	TO 11		1 Oct 03, 2022 E 1 2 3 4 5 6	F	requency
PAS	S): Fast ↔ in:Low	Atten: 10		•			TYF			
10 dB Log r	3/div	Ref 0.00) dBm						N	lkr1 1	8.33 61.1	3 0 GHz 77 dBm		Auto Tune
	Trace	1 Pass					Ĭ						(Center Freq
-10.0													15.00	0000000 GHz
-20.0														Start Freq
-30.0													10.00	0000000 GHz
-40.0														Stop Freq
-50.0													20.00	0000000 GHz
-60.0											1		4.00	CF Step
-70.0						-			Anna				Auto	Man
														Freq Offset
-80.0														0 Hz
-90.0														Scale Type
		0 GHz			<i>//</i>) (1)					St	op 20		Log	<u>Lin</u>
	S BW	1.0 MHz			#VBV	/ 3.0 MHz					ms (2	0001 pts)		
MSG									51	ATUS				

Plot 7-207. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant F)



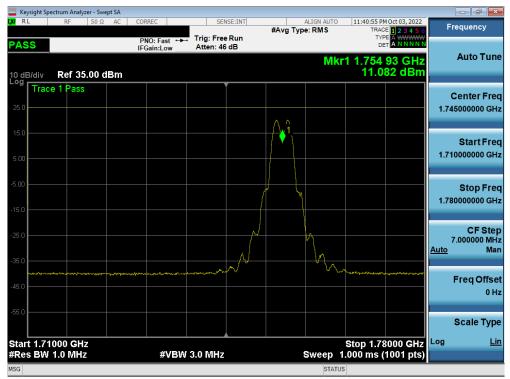
Plot 7-208. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
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	ctrum Analyzer - Sw										
LXI RL	RF 50 S	AC	CORREC	SEI	ISE:INT	#Avg Typ	ALIGN AUTO		1 Oct 03, 2022 E 1 2 3 4 5 6	Frequ	uency
PASS			PNO: Fast ++ IFGain:Low	Atten: 30		0 31		TYF DE			uto Tune
10 dB/div	Ref 20.00	dBm					M	kr1 1.670 -53.8	0 0 GHz 07 dBm	A	ito i une
Trace	e 1 Pass									Cer	nter Freg
10.0											0000 MHz
0.00											
5.00											tart Freq
-10.0										30.00	0000 MHz
-20.0											
											top Freq 0000 GHz
-30.0											
-40.0											CF Step
										<u>Auto</u>	Man
-50.0									<u> </u>		
-60.0					er ei fan fragelans jur fan fr					Fre	eq Offset 0 Hz
											0 H2
-70.0										Sc	ale Type
Start 0.03								Stop 4-7	'100 GHz		Lin
#Res BW			#VBW	/ 3.0 MHz			Sweep 2	5.0p 1.7 2.240 ms (3361 pts)		
MSG							STATU	s			

Plot 7-209. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant F)



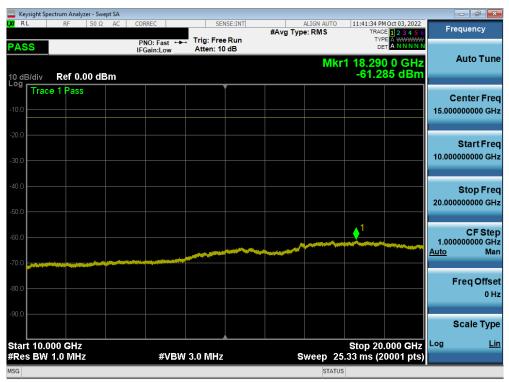
Plot 7-210. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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	ctrum Analyzer - Swept SA						
L <mark>XI</mark> RL	RF 50 Ω AC	CORREC	SENSE:INT	ALIG #Avg Type: R	MS TRAC	4 Oct 03, 2022 E 1 2 3 4 5 6	Frequency
PASS		PNO: Fast ++ IFGain:Low	Trig: Free Run Atten: 10 dB		DI		Auto Tune
10 dB/div Log	Ref 0.00 dBm				Mkr1 18.29 -61.2	0 0 GHz 85 dBm	Auto Tulle
Trace	e 1 Pass		Ĭ				Center Freq
-10.0							15.000000000 GHz
-20.0							Start Freq
-30.0							10.000000000 GHz
-40.0							Stop Freq 20.000000000 GHz
-50.0							
-60.0					1		CF Step 1.000000000 GHz
-70.0		ten standard and a standard state					<u>Auto</u> Man
							Freq Offset
-80.0							0 Hz
-90.0							Scale Type
					8 4 00		Log Lin
Start 10.00 #Res BW		#VBW	3.0 MHz	Swe	ep 25.33 ms (2	.000 0112	
MSG					STATUS		

Plot 7-211. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant F)



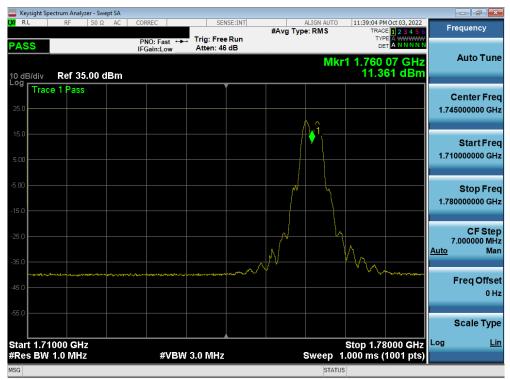
Plot 7-212. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
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		nalyzer - Swe										r x
L <mark>XI</mark> RL	RF	<u>50 Ω</u>	AC	CORREC		SENSE:INT	#Avg Typ	ALIGN AUTO	TRAC	HOct 03, 2022	Frequer	ісу
PASS				PNO: Fast IFGain:Low		Free Run n: 30 dB			Di		Auto	Tune
10 dB/div	v Ref	20.00 c	IBm					M	kr1 1.67 -54.	3 5 GHz 02 dBm	Auto	, rune
	ace 1 Pa	ass				Ĭ					Cente	r Freq
10.0											870.0000	
0.00												
0.00												rt Freq
-10.0											30.0000	00 MHz
-20.0											0.44	. Ener
											1.7100000	p Freq 00 GHz
-30.0												
-40.0											CI 168.0000	F Step
											Auto	Man
-50.0												
-60.0	,		*****	19			*****				Freq	Offset 0 Hz
												0 112
-70.0											Scale	е Туре
Start 0.	0300 C	U 7							Stop 1 7	7100 GHz	Loa	Lin
#Res B				#V	BW 3.0 M	Hz		Sweep	2.240 ms (3361 pts)		
MSG								STATU	JS			

Plot 7-213. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant F)



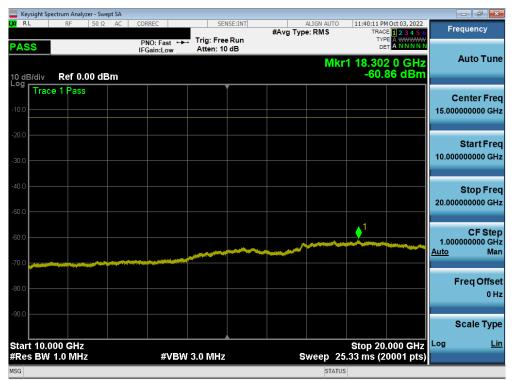
Plot 7-214. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant F)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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	ctrum Analyzer - Sv									
LXI RL	RF 50 S	2 AC C	ORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS		4 Oct 03, 2022 E 1 2 3 4 5 6	Frequency
PASS			PNO: Fast ++ FGain:Low	Trig: Free Atten: 10		• //		TYP		
10 dB/div Log	Ref 0.00 d	Bm					Mk	(r1 18.30) -60.	2 0 GHz 86 dBm	Auto Tune
-10.0	e 1 Pass									Center Freq 15.000000000 GHz
-20.0										Start Freq 10.00000000 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
-90.0								0 4 00		Scale Type
Start 10.0 #Res BW			#VBW	3.0 MHz		s	weep 2	Stop 20 25.33 ms (2	000 0112	
MSG							STAT			

Plot 7-215. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant F)



Plot 7-216. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant F)

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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 \geq 1% of the emission bandwidth
- 4. VBW <u>></u> 3 x RBW
- 5. Detector = RMS
- 6. Number of sweep points \geq 2 x 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 log₁₀(P) = -35dBm in a 6.25kHz bandwidth.

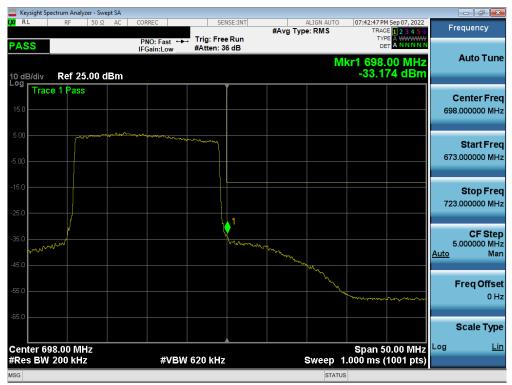
FCC ID: A3LSMS911U		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 137 of 322	
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LTE Band 71 – Ant A

	ctrum Analyze									_	
XI RL	RF	50 Ω AC	CORREC	SEI	NSE:INT	#Avg Typ	ALIGN AUTO		E 1 2 3 4 5 6	Fred	quency
PASS			PNO: Fast ↔→ IFGain:Low	Trig: Free #Atten: 3				TYP			
10 dB/div	Ref 25.	00 dBm					Μ	kr1 662. -35.	95 MHz 61 dBm	A	uto Tune
	e 1 Pass										nter Freq
15.0										663.0	00000 MHz
5.00					man	and and the	the second	mound		ş	Start Fred
-5.00										638.0	00000 MHz
15.0											Stop Free
-25.0											00000 MH:
35.0					1			ų	human		CF Step
				and a second	2				v	5.0 <u>Auto</u>	00000 MH Mar
45.0				f						_	
-55.0		- man and and	mmm							Fr	r eq Offse 0 Ha
65.0											and a Theorem
											c ale Typ e Lir
Center 66 #Res BW		Z	#VBW	680 kHz			Sweep 1	Span 5 .000 ms (0.00 MHz 1001 pts)	LUg	
ISG							STATUS	5			

Plot 7-217. Lower Band Edge Plot (LTE Band 71 - 20MHz QPSK - Full RB - Ant A)



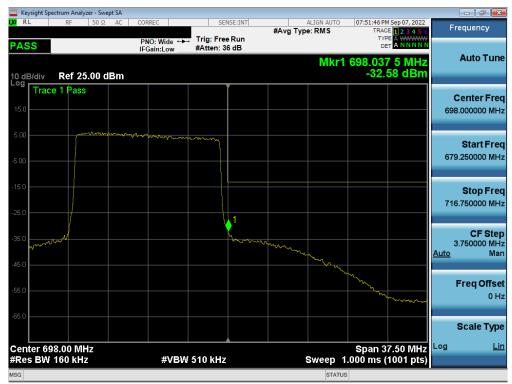
Plot 7-218. Upper Band Edge Plot (LTE Band 71 - 20MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Keysight Spectrum Analyzer - Swept SA				
X/RL RF 50Ω AC	CORREC SENSE:INT	ALIGN AUTO #Avg Type: RMS	07:51:30 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 36 dB			Auto Tune
10 dB/div Ref 25.00 dBm		Mkr1	662.962 5 MHz -34.40 dBm	
Trace 1 Pass				Center Freq
15.0				663.000000 MHz
5.00		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-5.00				Start Fred 644.250000 MHz
-3.00				
-15.0				Stop Free
-25.0			<u> </u>	681.750000 MH:
-35.0	↓ 1		hanne	CF Step
-45.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			3.750000 MH <u>Auto</u> Mar
43.0				Freq Offse
-55.0				0 H:
-65.0				
				Scale Type
Center 663.00 MHz #Res BW 160 kHz	#VBW 510 kHz	Swaan	opuli 01.00 mili2	Log <u>Lir</u>
#Res BW 160 KHZ	#VBW STUKHZ	Sweep 1	.000 ms (1001 pts)	

Plot 7-219. Lower Band Edge Plot (LTE Band 71 - 15MHz QPSK - Full RB - Ant A)



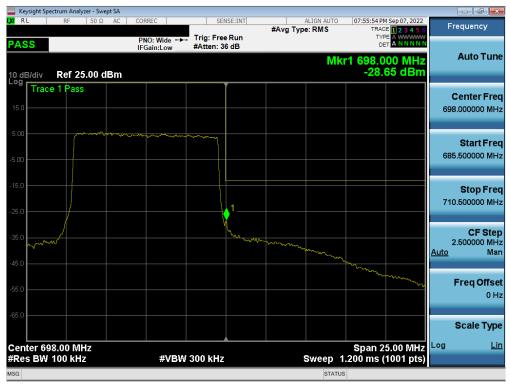
Plot 7-220. Upper Band Edge Plot (LTE Band 71 - 15MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 120 of 222
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🔤 Keysight Spectrum Ana						
LXI RL RF	50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	07:55:42 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	- //		Auto Turo
10 dB/div Ref 2	5.00 dBm			Mk	r1 662.950 MHz -31.17 dBm	Auto Tune
15.0 Trace 1 Pas	s					Center Freq 663.000000 MHz
-5.00						Start Freq 650.500000 MHz
-15.0						Stop Freq 675.500000 MHz
-35.0			······································		monor	CF Step 2.500000 MHz <u>Auto</u> Man
-45.0						Freq Offset 0 Hz
-65.0						Scale Type
Center 663.00 M #Res BW 100 kH		#VBW	300 kHz	Sweep 7	Span 25.00 MHz 1.200 ms (1001 pts)	Log <u>Lin</u>
MSG				STATU	s	

Plot 7-221. Lower Band Edge Plot (LTE Band 71 - 10MHz QPSK - Full RB - Ant A)



Plot 7-222. Upper Band Edge Plot (LTE Band 71 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Daga 140 of 222	
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Keysight Spectrum Analyzer - Swept SA					- # ×
LX RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUT #Avg Type: RMS	0 08:01:49 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		g: Free Run tten: 36 dB	- //		
10 dB/div Ref 25.00 dBm			Mk	r1 662.987 5 MHz -24.94 dBm	
15.0					Center Freq 663.000000 MHz
-5.00					Start Freq 656.750000 MHz
-15.0		/ 1			Stop Freq 669.250000 MHz
-35.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				CF Step 1.250000 MHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-66.0					Scale Type
Center 663.000 MHz #Res BW 100 kHz	#VBW 300	kHz	Sweep	Span 12.50 MHz 1.000 ms (1001 pts)	
MSG				TUS	

Plot 7-223. Lower Band Edge Plot (LTE Band 71 - 5MHz QPSK - Full RB - Ant A)



Plot 7-224. Upper Band Edge Plot (LTE Band 71 - 5MHz QPSK - Full RB - Ant A)

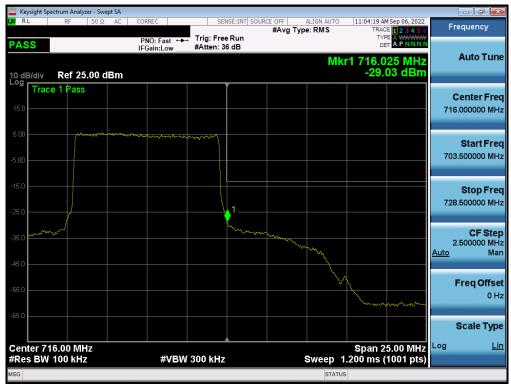
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Page 141 of 322	
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LTE Band 12 – Ant A



Plot 7-225. Lower Band Edge Plot (LTE Band 12 - 10MHz QPSK - Full RB - Ant A)



Plot 7-226. Upper Band Edge Plot (LTE Band 12 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 142 of 222
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	ctrum Analyzer										
L <mark>XI</mark> RL	RF 5	i0 Ω AC	CORREC	SEN	ISE:INT SOUR	#Avg Type	ALIGN AUTO e: RMS		M Sep 06, 2022	Fre	equency
PASS			PNO: Wide ↔ IFGain:Low	Trig: Free #Atten: 3				TYI Di			
10 dB/div Log	Ref 25.0	0 dBm					Mkr1	698.98 -22.	7 5 MHz 56 dBm		Auto Tune
Trac	e 1 Pass			,						С	enter Freq
15.0										699.	000000 MHz
5.00						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~				Start Freq
-5.00										692.	750000 MHz
-15.0					1			(705.	Stop Freq 250000 MHz
-25.0			~ ~ ~ ~		·				hum		
-35.0	~~~~~	~~~~								1. <u>Auto</u>	CF Step 250000 MHz Man
-45.0										Auto	Wan
-55.0										F	req Offset
											0 Hz
-65.0										ę	Scale Type
Center 69		Z						Span 1	2.50 MHz	Log	Lin
#Res BW	100 kHz		#VBW	300 kHz			Sweep 1	.000 ms (1001 pts)		
MSG							STATUS				

Plot 7-227. Lower Band Edge Plot (LTE Band 12 - 5MHz QPSK - Full RB - Ant A)



Plot 7-228. Upper Band Edge Plot (LTE Band 12 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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🤤 Keysight Spectrum Analyzer - Swept SA					
LXX RL RF 50Ω AC	CORREC	SENSE:INT SOURC	#Avg Type: RMS	11:12:13 AM Sep 06, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS 10 dB/div Ref 25.00 dBm		Trig: Free Run #Atten: 36 dB	Mkr1	698.992 5 MHz -19.91 dBm	Auto Tune
Trace 1 Pass			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	way -	Center Freq 699.000000 MHz
-5.00					Start Freq 695.250000 MHz
-25.0		1			Stop Freq 702.750000 MHz
-35.0					CF Step 750.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 699.000 MHz #Res BW 100 kHz	#VBW 3	00 kHz	Sweep 1	Span 7.500 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG	"•BN 0		STATUS		

Plot 7-229. Lower Band Edge Plot (LTE Band 12 - 3MHz QPSK - Full RB - Ant A)



Plot 7-230. Upper Band Edge Plot (LTE Band 12 - 3MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dogo 144 of 222	
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Plot 7-231. Lower Band Edge Plot (LTE Band 12 - 1.4MHz QPSK - Full RB - Ant A)



Plot 7-232. Upper Band Edge Plot (LTE Band 12 – 1.4MHz QPSK – Full RB - Ant A)

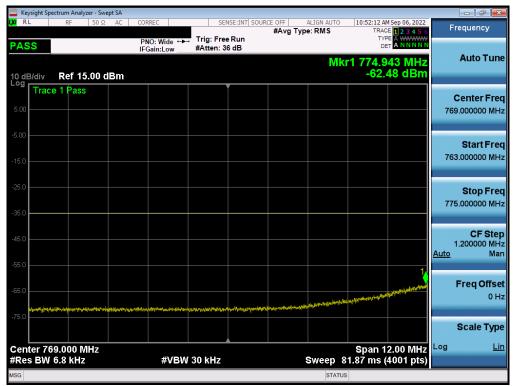
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Page 145 of 322		
1M2209010096-03.A3L	9/05/2022 - 11/22/2022	Portable Handset	Page 145 01 322		
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LTE Band 13 – Ant A



Plot 7-233. Lower Band Edge Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)



Plot 7-234. Lower Emission Mask Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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www.www.com.com.com.com.com.com.com.com.com.com					
LXI RL RF 50Ω AC	CORREC	SENSE:INT SOUR	CE OFF ALIGN AUTO #Avg Type: RMS	10:52:30 AM Sep 06, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		Trig: Free Run #Atten: 36 dB			
10 dB/div Ref 25.00 dBm			Mk	1 787.004 MHz -28.09 dBm	Auto Tune
15.0 Trace 1 Pass					Center Freq 787.000000 MHz
-5.00					Start Freq 785.000000 MHz
-15.0		M. 1			Stop Freq 789.000000 MHz
-35.0		when	man and and and and and and and and and a	· ······	CF Step 400.000 kHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 787.000 MHz #Res BW 100 kHz	#VBW 3	00 kHz	Sweep 1	Span 4.000 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-235. Upper Band Edge Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)



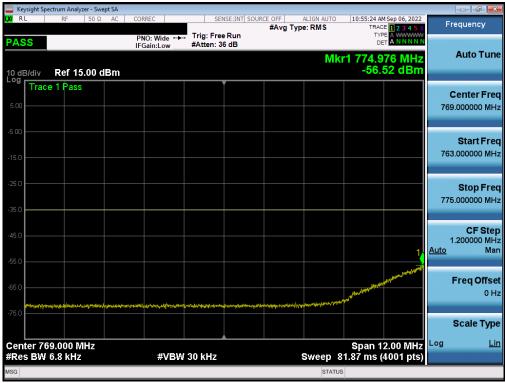
Plot 7-236. Upper Emission Mask Plot (LTE Band 13 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Page 147 of 322	
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	ctrum Analyzer - Sv										
LXI RL	RF 50 9	Ω AC C	ORREC	SEI	ISE:INT SOUR	CE OFF	ALIGN AUTO	10:55:09 AM TRACE	Sep 06, 2022	F	requency
PASS			PNO: Wide ↔ FGain:Low	Trig: Free #Atten: 3			Mk	TYPE	A WWWWW A N N N N N		Auto Tune
10 dB/div Log	Ref 25.00	dBm						-24.8	9 dBm		
	e 1 Pass										Center Freq
15.0										77	7.000000 MHz
5.00											Start Freq
-5.00										77	5.000000 MHz
45.0											
-15.0					1					77	Stop Freq 9.000000 MHz
-25.0				~~~	N						
-35.0		_ ~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~							CF Step 400.000 kHz
-45.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									<u>Auto</u>	Man
											Freq Offset
-55.0											0 Hz
-65.0											Scale Type
Contor 77	7 000 14							Onend		Log	Lin
#Res BW	7.000 MHz 100 kHz		#VBW	300 kHz			Sweep 1	.5pan 4. 1.000 ms (1		109	<u></u>
MSG							STATU	S			

Plot 7-237. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)



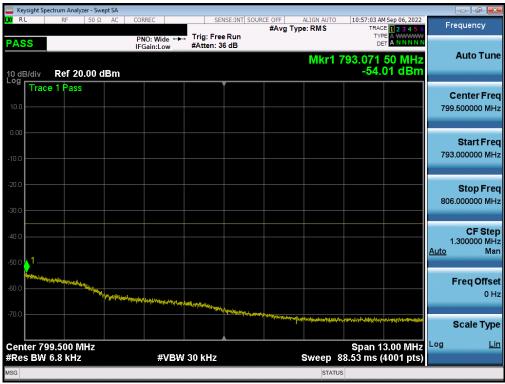
Plot 7-238. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Page 148 of 322		
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	ctrum Analyzer										
LX/RL	RF S	50 Ω AC	CORREC	SEI	ISE:INT SOUR	CE OFF	ALIGN AUTO		M Sep 06, 2022	F	requency
PASS			PNO: Wide ↔ IFGain:Low	Trig: Free #Atten: 3				TYP			
10 dB/div	Ref 25.0	0 dBm					Mł	(r1 787.0 -21.	20 MHz 23 dBm		Auto Tune
Log Trace	e 1 Pass			~							Center Freq 7.000000 MHz
-5.00										78	Start Freq 5.000000 MHz
-15.0				L.	1 1					78	Stop Freq 9.000000 MHz
-35.0					Mul	~~~~	m	mm	<u>~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>Auto</u>	CF Step 400.000 kHz Man
-45.0											Freq Offset 0 Hz
-65.0											Scale Type
Center 78 #Res BW		Z	#VBW	300 kHz			Sweep	Span 4 1.000 ms (.000 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATU	IS			

Plot 7-239. Upper Band Edge Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)



Plot 7-240. Upper Emission Mask Plot (LTE Band 13 - 5MHz QPSK - Full RB - Ant A)

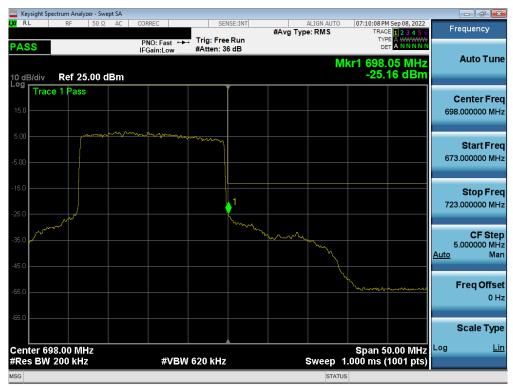
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Page 149 of 322		
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NR Band n71 – Ant A



Plot 7-241. Lower Band Edge Plot (NR Band n71 - 20.0MHz - Full RB - Ant A)



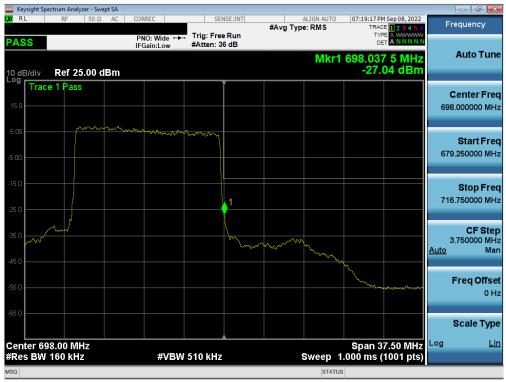
Plot 7-242. Upper Band Edge Plot (NR Band n71 - 20.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Page 150 of 322		
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🤐 Keysight Spectrum Analyzer - Swept SA						
LX RL RF 50 Ω AC	CORREC	SENSE:	ALIGN AUTO g Type: RMS		M Sep 08, 2022	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Ru #Atten: 36 df		TY D		Auto Tune
10 dB/div Ref 25.00 dBm			Mkr	1 662.96 -24.	2 5 MHz 79 dBm	AutoTune
15.0 Trace 1 Pass						Center Freq 663.000000 MHz
-5.00			 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Start Freq 644.250000 MHz
-15.0		1				Stop Freq 681.750000 MHz
-35.0	and the second s	- And a start			Low Without	CF Step 3.750000 MHz <u>Auto</u> Man
-45.0 www						Freq Offset 0 Hz
-65.0						Scale Type
Center 663.00 MHz #Res BW 160 kHz	#VBW	510 kHz	Sweep	Span 3 1.000 ms (7.50 MHz (1001 pts)	
MSG			STAT			

Plot 7-243. Lower Band Edge Plot (NR Band n71 - 15.0MHz - Full RB - Ant A)



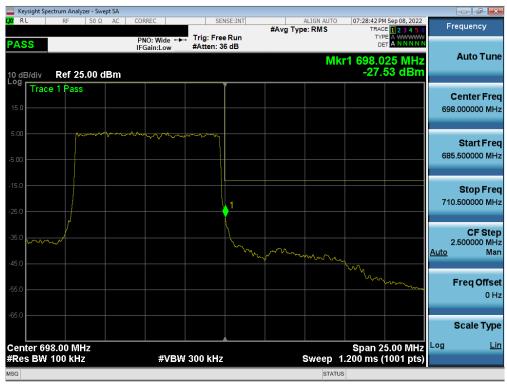
Plot 7-244. Upper Band Edge Plot (NR Band n71 - 15.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Dogo 151 of 222	
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www.www.www.www.www.www.www.www.www.ww					_ # <u>×</u>
LX RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	07:27:29 PM Sep 08, 2022 TRACE 123456	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB			
10 dB/div Ref 25.00 dBm			М	kr1 662.975 MHz -23.29 dBm	Auto Tune
15.0 Trace 1 Pass					Center Freq 663.000000 MHz
-5.00					Start Freq 650.500000 MHz
-15.0		1			Stop Freq 675.500000 MHz
-35.0					CF Step 2.500000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0 Center 663.00 MHz				Span 25.00 MHz	Scale Type
#Res BW 100 kHz	#VBW	300 kHz	Sweep	1.200 ms (1001 pts)	
MSG			STAT	US	

Plot 7-245. Lower Band Edge Plot (NR Band n71 - 10.0MHz - Full RB - Ant A)



Plot 7-246. Upper Band Edge Plot (NR Band n71 – 10.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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	ctrum Analyzer - Sw										x
LXU RL	RF 50 Ω	AC C	ORREC	SEI	NSE:INT	#Avg Ty	ALIGN AUTO		M Sep 08, 2022	Frequency	
PASS			PNO: Wide ↔ FGain:Low	Trig: Free #Atten: 3				TY D		Auto Tu	
10 dB/div Log	Ref 25.00 (dBm					Mkr1	662.98 -20.	7 5 MHz 74 dBm	Auto Tu	IC
15.0 Trace	e 1 Pass									Center Fr 663.000000 M	
5.00					pm			m			
-5.00										Start Fre 656.750000 Mi	
-15.0					1					Stop Fr 669.250000 M	
-25.0			v~~~~	m					~~~	CF Ste 1.250000 M	
-45.0											an
-55.0										Freq Offs 01	et Hz
-65.0										Scale Ty	pe
Center 66 #Res BW	3.000 MHz 100 kHz		#VBW	300 kHz			Sweep '	Span 1 1.000 ms (2.50 MHz (1001 pts)	-	<u>.in</u>
MSG							STATU	S			

Plot 7-247. Lower Band Edge Plot (NR Band n71 - 5.0MHz - Full RB - Ant A)



Plot 7-248. Upper Band Edge Plot (NR Band n71 - 5.0MHz - Full RB - Ant A)

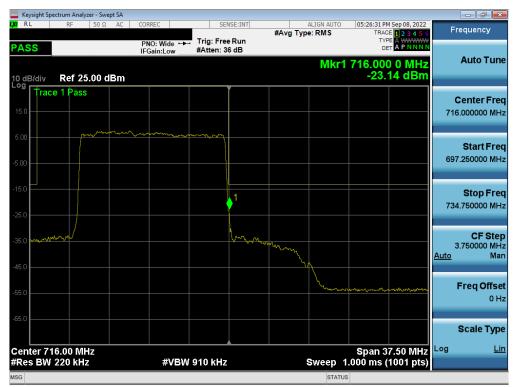
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT						
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NR Band n12 – Ant A



Plot 7-249. Lower Band Edge Plot (NR Band n12 - 15.0MHz - Full RB - Ant A)



Plot 7-250. Upper Band Edge Plot (NR Band n12 - 15.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT						
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Keysight Spectrum Analyzer - Swept SA								
XVIRL RF 50Ω AC	CORREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	M Sep 08, 2022	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free #Atten: 36				Di		Auto Tur
10 dB/div Ref 25.00 dBm					Mk	r1 698.9 -23.	075 MHz 00 dBm	Auto Tu
15.0								Center Fre 699.000000 MH
5.00			m		w			Start Fre
-5.00								686.500000 MH
-15.0			1					Stop Fre 711.500000 MH
-25.0	-	m					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Ste 2.500000 MH
-45.0								Auto Ma
-55.0								Freq Offs 0 H
-65.0								Scale Typ
Center 699.00 MHz #Res BW 150 kHz	#VBW	620 kHz			Sweep 1	Span 2 .000 ms (5.00 MHz (1001 pts)	Log <u>L</u>
MSG					STATUS	3		

Plot 7-251. Lower Band Edge Plot (NR Band n12 - 10.0MHz - Full RB - Ant A)



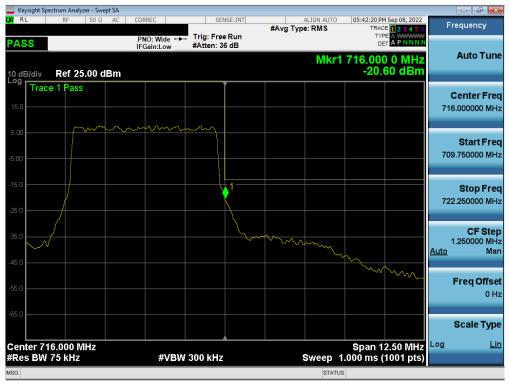
Plot 7-252. Upper Band Edge Plot (NR Band n12 - 10.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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M RL RF 50 Ω AC CORREC SENSE:INT ALION AUTO 05541:13PM Sep 08, 202 Frequence PASS PNO: Wide Trig: Free Run #Atten: 36 dB #Avg Type: RMS TRACE 12 3 4 5 0 Trig: Frequenc 10 dE/div Ref 25.00 dBm 21.33 dBm
PASS PNO: Wide Trig: Free Run MAtten: 36 dB Det ANNANN PASS IF Comparison of the second seco
10 dB/div Ref 25.00 dBm -21.33 dBm 15.0 5.00 Trace 1 Pass Center 5.00 Start
Trace 1 Pass Center 15.0 699.000000 5.00 Start
5.00 Start
Start Start
692,750000
-5.00
-15.0 Stop
250 705.250000
-35.0 CF 1.250000 Auto
-45.0
Freq O
-55.0
-65.0
Scale ⁻
Center 699.000 MHz Span 12.50 MHz Log #Res BW 75 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)
#Res BW 75 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

Plot 7-253. Lower Band Edge Plot (NR Band n12 - 5.0MHz - Full RB - Ant A)



Plot 7-254. Upper Band Edge Plot (NR Band n12 - 5.0MHz - Full RB - Ant A)

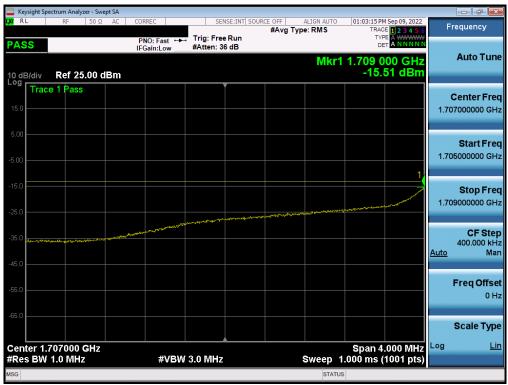
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT						
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WCDMA AWS – Ant A



Plot 7-255. Lower Band Edge Plot (WCDMA AWS - Ch. 1312 - Ant A)



Plot 7-256. Lower Extended Band Edge Plot (WCDMA AWS – Ch. 1312 – Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:	Dage 157 of 222				
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Plot 7-257. Upper Band Edge Plot (WCDMA AWS - Ch. 1513 - Ant A)



Plot 7-258. Upper Extended Band Edge Plot (WCDMA AWS - Ch. 1513- Ant A)

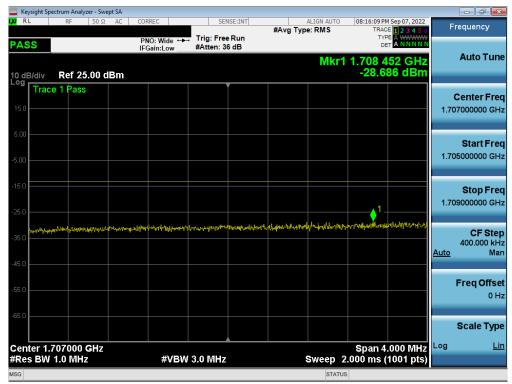
FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT						
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LTE Band 66/4 - Ant A

	Spectrum	Analyzer -	Swept SA											
LX/RL	RI	= 50	Ω AC	COR	REC		SENSE:	INT	#Avg Typ	ALIGN AUTO		M Sep 07, 2022	F	requency
PASS					IO: Fast ← ain:Low	➡ Trig: F #Atter			0 ,1		T) [Auto Tune
10 dB/div Log		f 25.00) dBm							IVIK	-30.1	00 GHz 129 dBm		
Tra	ace 1 F	ass					Ĭ						(Center Freq
15.0													1.71	0000000 GHz
5.00							/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ayongothad Bill and all all all all all all all all all al	e-durandriangedyd	mmm			
													1.69	Start Freq
-5.00													1.00	3000000 8112
-15.0														Stop Freq
													1.73	5000000 GHz
-25.0						www.www.	1 · س					mound		CF Step
	Myme	and a start	in the second the	ange and	Manahan								Auto f	5.000000 MHz Man
-45.0	MM/Mr.													
-55.0														Freq Offset 0 Hz
														0112
-65.0														Scale Type
Center											Span	50.00 MHz	Log	<u>Lin</u>
#Res B\	N 470	kHz			#VB	W 1.6 M	IZ					(1001 pts)		
MSG										STATU	15			

Plot 7-259. Lower Band Edge Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant A)



Plot 7-260. Lower Extended Band Edge Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant A)

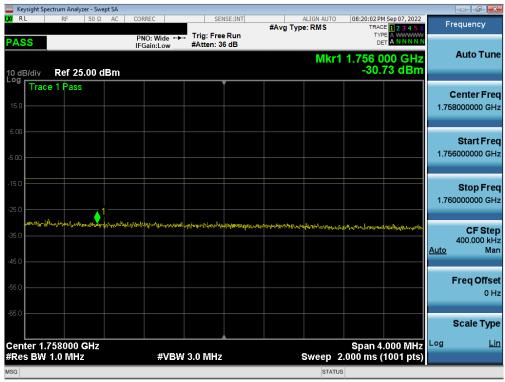
FCC ID: A3LSMS911U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
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Keysight Spectrum Analyzer - Swept SA					
LX/ RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:19:52 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		Free Run n: 36 dB			
10 dB/div Ref 25.00 dBm			Mkı	1 1.755 10 GHz -30.20 dBm	Auto Tune
15.0					Center Freq 1.755000000 GHz
-5.00					Start Freq 1.730000000 GHz
-15.0		1			Stop Freq 1.78000000 GHz
-35.0 Markhand		Munrhough	and and the second s	American and a second and a second	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.75500 GHz #Res BW 470 kHz	#VBW 1.6 M	Hz	Sweep 1	Span 50.00 MHz I.000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-261. Upper Band Edge Plot (LTE Band 4 - 20MHz QPSK - Full RB - Ant A)



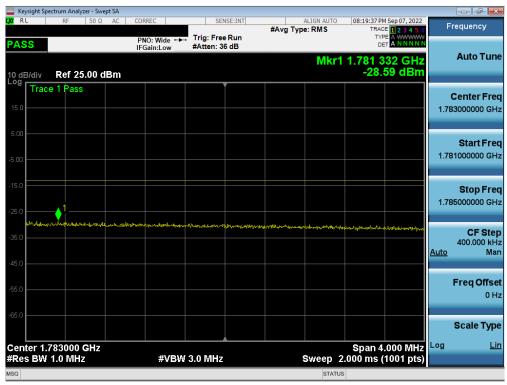
Plot 7-262. Upper Extended Band Edge Plot (LTE Band 4 - 20MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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🔤 Keysight Spectrum Analyzer - Swept SA 🚽					
LX/ RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:19:26 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	- //		
10 dB/div Ref 25.00 dBm			Mkr	1 1.780 10 GHz -30.34 dBm	Auto Tune
15.0					Center Freq 1.780000000 GHz
-5.00					Start Freq 1.755000000 GHz
-15.0					Stop Freq 1.805000000 GHz
-35.0		manyour	and the second second		CF Step 5.000000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.78000 GHz #Res BW 470 kHz	#VBW	1.6 MHz	Sweep_1	Span 50.00 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-263. Upper Band Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant A)



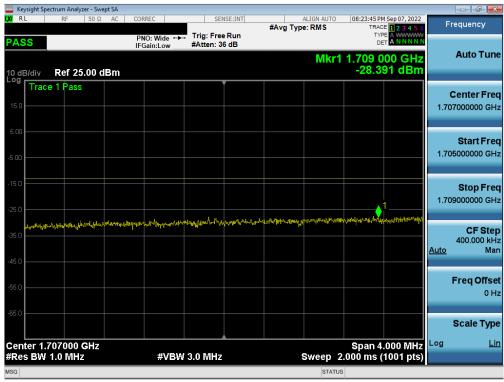
Plot 7-264. Channel Edge Plot (LTE Band 66 - 20MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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Keysight Spectrum Analyzer - Swept SA	· · · · ·				
LXI RE 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:23:36 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	Mkr1 1	.709 962 5 GHz	Auto Tune
10 dB/div Ref 25.00 dBm				-28.23 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	Merling at the state of the sta	muniterril		n Warnanger	CF Step 3.750000 MHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.71000 GHz #Res BW 360 kHz	#VBW	1.2 MHz	Sweep 1	Span 37.50 MHz 1.000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-265. Lower Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant A)



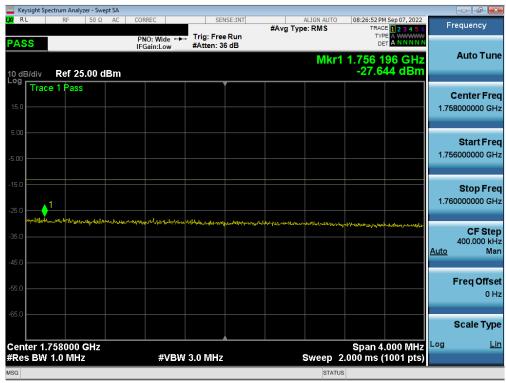
Plot 7-266. Lower Extended Band Edge Plot (LTE Band 66/4 - 15MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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🔤 Keysight Spectrum Analyzer					
LXI RL RF	50 Ω AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:24:03 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB			
			Mkr1 1	.755 037 5 GHz	Auto Tune
10 dB/div Ref 25.0	00 dBm			-29.14 dBm	
Trace 1 Pass					Center Freq
15.0					1.755000000 GHz
5.00	and a contraction of the second second	musany			
5.00					Start Freq
-5.00					1.736250000 GHz
-15.0					Stop Freq
-25.0		1			1.773750000 GHz
wayman		1			
-35.0		Www.	and you have have a hav	-Mrg	CF Step 3.750000 MHz
				monorman	<u>Auto</u> Man
-45.0				vh_m	
-55.0					Freq Offset
					0 Hz
-65.0					Ocela Trave
					Scale Type
Center 1.75500 GH				Span 57.50 Minz	Log <u>Lin</u>
#Res BW 360 kHz	#VBN	1.2 MHz		.000 ms (1001 pts)	
MSG			STATUS		

Plot 7-267. Upper Band Edge Plot (LTE Band 4 - 15MHz QPSK - Full RB - Ant A)



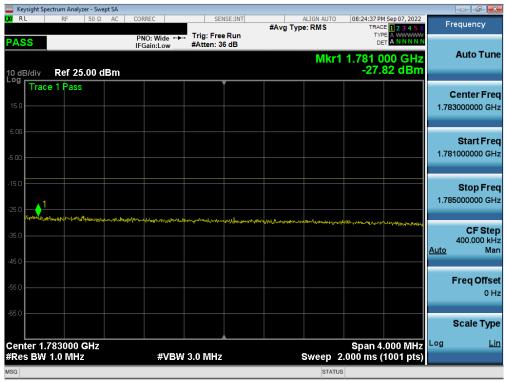
Plot 7-268. Upper Extended Band Edge Plot (LTE Band 4 - 15MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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www.www.com.com.com.com.com.com.com.com.com.com					
LXI R L RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:24:28 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB	- //	.780 037 5 GHz	Auto Tune
10 dB/div Ref 25.00 dBm		¥		-28.23 dBm	
15.0					Center Freq 1.780000000 GHz
-5.00					Start Freq 1.761250000 GHz
-15.0		1			Stop Freq 1.798750000 GHz
-35.0		Munim	and the second second second	man hay	CF Step 3.750000 MHz <u>Auto</u> Man
-65.0				and the second second	Freq Offset 0 Hz
-65.0					Scale Type
Center 1.78000 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	5	

Plot 7-269. Upper Band Edge Plot (LTE Band 66 - 15MHz QPSK - Full RB - Ant A)



Plot 7-270. Upper Extended Band Edge Plot (LTE Band 66 - 15MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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Keysight Spectrum Analyzer - Swept SA					
LX RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:29:10 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		Trig: Free Run #Atten: 36 dB	Mkr	TYPE A WWWW DET A NNNNN 1 1.709 875 GHz	Auto Tune
10 dB/div Ref 25.00 dBm				1 1.709 875 GHz -27.95 dBm	
15.0 Trace 1 Pass					Center Freq 1.710000000 GHz
-5.00					Start Freq 1.697500000 GHz
-15.0		1			Stop Freq 1.722500000 GHz
-35.0	mannan	whenen		wann	CF Step 2.500000 MHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.71000 GHz #Res BW 240 kHz	#VBW 7	′50 kHz	Sweep	Span 25.00 MHz 1.000 ms (1001 pts)	Log <u>Lin</u>
MSG			STAT		

Plot 7-271. Lower Band Edge Plot (LTE Band 66/4 - 10MHz QPSK - Full RB - Ant A)



Plot 7-272. Lower Extended Band Edge Plot (LTE Band 66/4 - 10MHz QPSK - Full RB - Ant A)

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Keysight Spectrum Analyzer - Swept SA					
LX RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:29:42 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 36 dB			
10 dB/div Ref 25.00 dBm			Mkr1	1.755 075 GHz -28.03 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 Arr M		hman	man monter	mon have shown to	CF Step 2.500000 MHz <u>Auto</u> Man
-56.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.75500 GHz #Res BW 240 kHz	#VBW	750 kHz	Sweep_1	Span 25.00 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-273. Upper Band Edge Plot (LTE Band 4 - 10MHz QPSK - Full RB - Ant A)



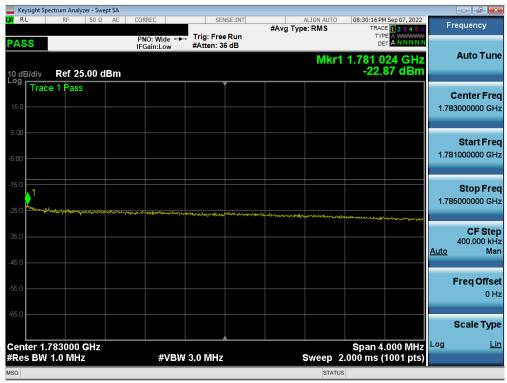
Plot 7-274. Upper Extended Band Edge Plot (LTE Band 4 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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Keysight Spectrum Analyzer - Swept SA					
LXIRL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:30:02 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		Trig: Free Run #Atten: 36 dB			
10 dB/div Ref 25.00 dBm			Mkr1	1.780 025 GHz -25.71 dBm	Auto Tune
15.0		<u> </u>			Center Freq 1.780000000 GHz
5.00 ···································					Start Freq 1.767500000 GHz
-15.0		1			Stop Freq 1.792500000 GHz
-35.0		En march	mar water	wood www.woodwada	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 7	50 kHz	Sweep 1	Span 25.00 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-275. Upper Band Edge Plot (LTE Band 66 - 10MHz QPSK - Full RB - Ant A)



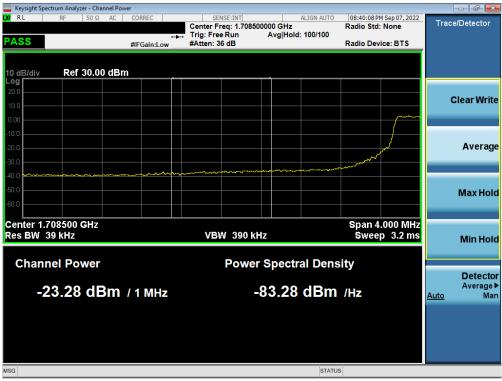
Plot 7-276. Upper Extended Band Edge Plot (LTE Band 66 - 10MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	
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	ectrum Analyzer									
L <mark>XI</mark> RL	RF	50 Ω AC	CORREC		SENSE:INT	#Avg Ty	ALIGN AUTO		M Sep 07, 2022 CE 1 2 3 4 5 6	Frequency
PASS			PNO: Wide IFGain:Lov		: Free Run ten: 36 dB			TY D		Auto Tune
10 dB/div Log	Ref 25.0	0 dBm						-23.	2 5 GHz 54 dBm	
Trac	e 1 Pass				ľ					Center Freq
15.0										1.710000000 GHz
5.00						·····	m	m		
										Start Freq 1.703750000 GHz
-5.00										
-15.0										Stop Freq
-25.0					•				L X	1.716250000 GHz
-35.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	want	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m				han	CF Step
-30.0	man									1.250000 MHz <u>Auto</u> Man
-45.0										
-55.0										Freq Offset 0 Hz
										0 H2
-65.0										Scale Type
Center 1.	710000 GI	Hz			<u> </u>			Span 1	12.50 MHz	Log <u>Lin</u>
#Res BW			#V	BW 390	kHz		Sweep 1	.000 ms	(1001 pts)	
MSG							STATU	S		

Plot 7-277. Lower Band Edge Plot (LTE Band 66/4 - 5MHz QPSK - Full RB - Ant A)



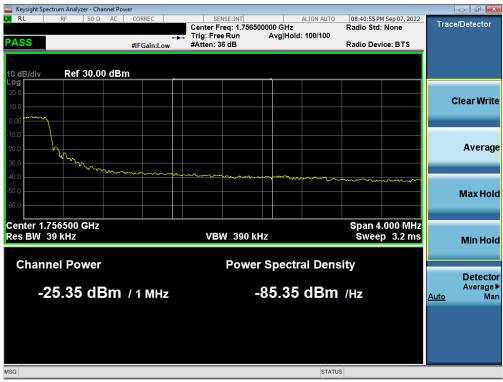
Plot 7-278. Lower Extended Band Edge Plot (LTE Band 66/4 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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🚾 Keysight Spectrum Analyzer - Swept SA 👘					
LXI RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:40:33 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		ig: Free Run Atten: 36 dB	- //	TYPE A WWWW DET A NNNNN	Auto Tune
10 dB/div Ref 25.00 dBm			Mkr1 1	.755 000 0 GHz -23.03 dBm	Auto Tune
15.0					Center Freq 1.755000000 GHz
-5.00					Start Freq 1.748750000 GHz
-15.0		1			Stop Freq 1.761250000 GHz
-35.0 mmm		how how here here here here here here here her	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Step 1.250000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.755000 GHz #Res BW 120 kHz	#VBW 39	0 kHz	Sweep 1	Span 12.50 MHz .000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-279. Upper Band Edge Plot (LTE Band 4 - 5MHz QPSK - Full RB - Ant A)



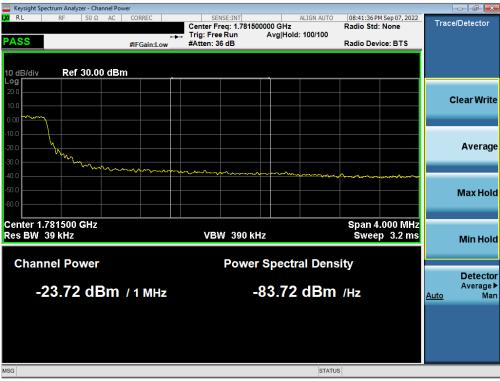
Plot 7-280. Upper Extended Band Edge Plot (LTE Band 4 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dogo 160 of 222		
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🔤 Keysight Spectrum Analyzer - S					
LXI RL RF 50 9	Ω AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:41:26 PM Sep 07, 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		Mkr1 1	.780 050 0 GHz -22.45 dBm	Auto Tune
15.0 Trace 1 Pass					Center Freq 1.78000000 GHz
-5.00					Start Freq 1.773750000 GHz
-15.0		1			Stop Freq 1.786250000 GHz
-35.0			·····	and many many	CF Step 1.250000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.780000 GHz #Res BW 120 kHz		390 kHz	Sweep 1	Span 12.50 MHz I.000 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-281. Upper Band Edge Plot (LTE Band 66 - 5MHz QPSK - Full RB - Ant A)



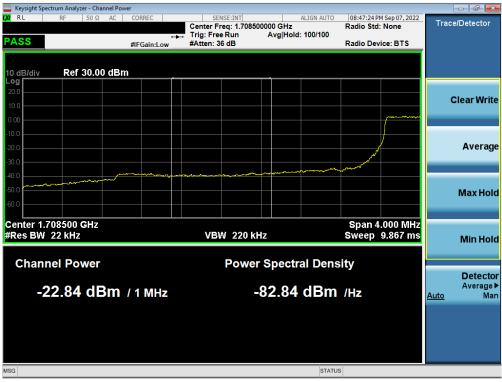
Plot 7-282. Upper Extended Band Edge Plot (LTE Band 66 - 5MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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🔤 Keysight Spectrum Analyzer - Swept SA					
LX RL RF 50 Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:47:09 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		rig: Free Run Atten: 36 dB	- //		Auto Tune
10 dB/div Ref 25.00 dBm				-20.30 dBm	
15.0 Trace 1 Pass				aportourous	Center Freq 1.710000000 GHz
-5.00			gon gon gal and a second		Start Freq 1.706250000 GHz
-15.0		1			Stop Freq 1.713750000 GHz
- Margaria garage	mar March May ANA	water and a second s		and and a second	CF Step 750.000 kHz <u>Auto</u> Man
-45.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.710000 GHz #Res BW 75 kHz	#VBW 24	l0 kHz	Sweep 3	Span 7.500 MHz 3.800 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-283. Lower Band Edge Plot (LTE Band 66/4 - 3MHz QPSK - Full RB - Ant A)



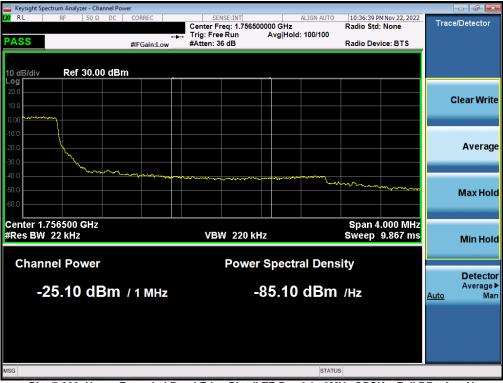
Plot 7-284. Lower Extended Band Edge Plot (LTE Band 66/4 - 3MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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🔤 Keysight Spectrum Analyzer - Swept SA					
LXIRL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:47:41 PM Sep 07, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS		g: Free Run ten: 36 dB			Auto Tune
10 dB/div Ref 25.00 dBm				-22.51 dBm	
15.0 Trace 1 Pass					Center Freq 1.755000000 GHz
-5.00					Start Freq 1.751250000 GHz
-15.0					Stop Freq 1.758750000 GHz
-36.0		how	to my apollo a march of the	non many many many many many many many man	CF Step 750.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.755000 GHz #Res BW 75 kHz	#VBW 240	kHz	Sweep	Span 7.500 MHz 3.800 ms (1001 pts)	Log <u>Lin</u>
MSG			STATU		

Plot 7-285. Upper Band Edge Plot (LTE Band 4 - 3MHz QPSK - Full RB - Ant A)



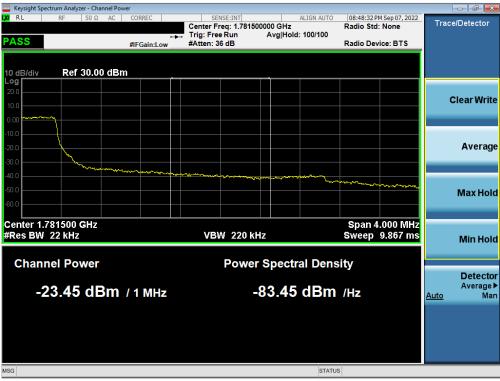
Plot 7-286. Upper Extended Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT			
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	ectrum Analyzer										_	
LXIRL	RF 5	iOΩ AC	CORREC		SENS	E:INT	#Ava Tv	ALIGN AUTO		M Sep 07, 2022	F	requency
PASS			PNO: Wid IFGain:Lo	16	g: Free F tten: 36 ("		TY			Auto Tune
10 dB/div Log	Ref 25.0	0 dBm							-21.	24 dBm		
	e 1 Pass											Center Freq
5.00	,	manno	www.www.	ngal maker and	un,						1.78	0000000 GHz
5.00												Start Freq
-5.00											1.77	6250000 GHz
-15.0	}					1						Stop Freq
-25.0					<u>\</u>						1.78	3750000 GHz
as a week the	n part				ų.	www.	man					CF Step
-35.0								- and all the and the	and and a second	a Marrier and	<u>Auto</u>	750.000 kHz Man
55.0												Freq Offset
-55.0												0 Hz
-65.0												Scale Type
	780000 GI	-lz							Span 7	.500 10112	Log	<u>Lin</u>
#Res BW	75 kHz		#	VBW 240) kHz				3.800 ms	(1001 pts)		
MSG								STAT	US			

Plot 7-287. Upper Band Edge Plot (LTE Band 66 - 3MHz QPSK - Full RB - Ant A)



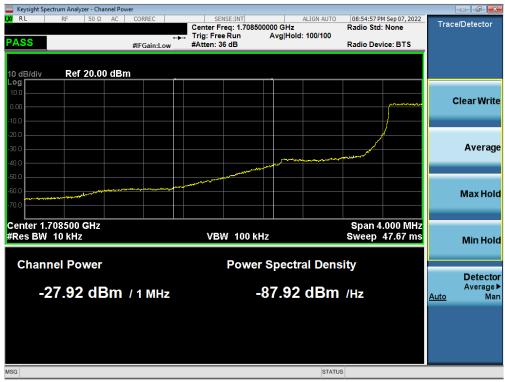
Plot 7-288. Upper Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK - Full RB - Ant A)

FCC ID: A3LSMS911U		Approved by: Technical Manager		
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Plot 7-289. Lower Band Edge Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB - Ant A)



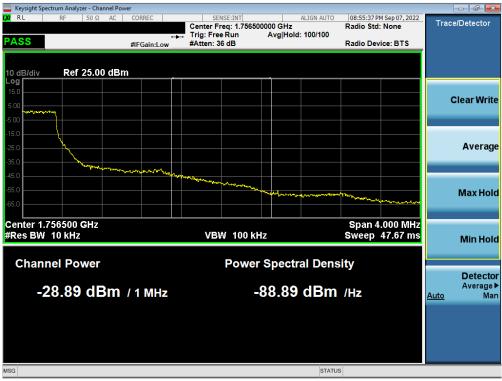
Plot 7-290. Lower Extended Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB - Ant A)

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	ectrum Analyzo											_	
XI RL	RF	50 Ω	AC	CORREC			NSE:INT	#Avg Ty	ALIGN AUTO		M Sep 07, 2022	F	requency
PASS		_		PNO: W IFGain:I	/ide ↔ Low_	Trig: Fre #Atten: 3			Mkr1	TY D			Auto Tune
10 dB/div	Ref 25.	00 d	lBm							-22.	66 dBm		
^{Log} Trac	e 1 Pass						Ĭ						Center Fred
15.0													5000000 GH
5.00		C		~~~~~									
3.00													Start Free
-5.00												1.75	3000000 GH:
-15.0													
-25.0	/	\$				Ч	1					1.75	Stop Free
	~~~						h	<u>,</u>					CF Ster
35.0									The second	him		<u>Auto</u>	400.000 kH Ma
45.0											m		
55.0													Freq Offse
													U H.
65.0													Scale Type
	755000											Log	<u>Lir</u>
Center 1. ≇Res BW	755000 C 33 kHz	SHZ			#VBW	110 kHz			Sweep 2	Span 4 2.000 ms	l.000 MHz (1001 pts)	Log	
ISG									STATUS				

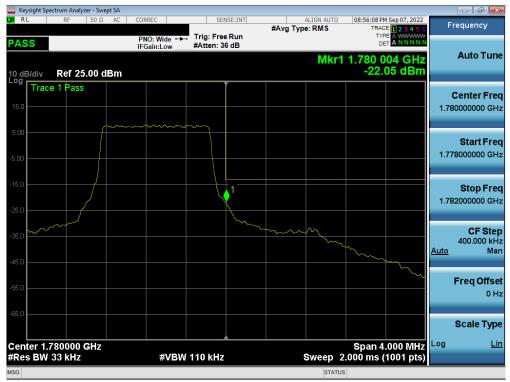
Plot 7-291. Upper Band Edge Plot (LTE Band 4 - 1.4MHz QPSK - Full RB - Ant A)



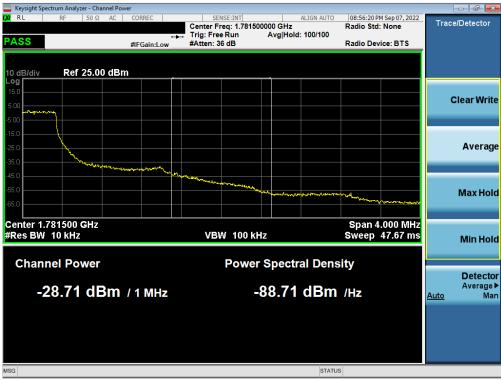
Plot 7-292. Upper Extended Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB - Ant A)

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Plot 7-293. Upper Band Edge Plot (LTE Band 66 - 1.4MHz QPSK - Full RB - Ant A)



Plot 7-294. Upper Extended Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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## NR Band n66 – Ant A



Plot 7-295. Lower Band Edge Plot (NR Band n66 – 40.0MHz - Full RB - Ant A)

Spectrum Analyzer 1 Swept SA	+				Ķ	Frequency	- * 崇
KEYSIGHT       Input: RF         R L       →→         Align: Auto         VV       PASS	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS12 3 Trig: Free Run AWW: A N N	www 1	enter Frequency I.707000000 GHz	Settings
1 Spectrum v Scale/Div 10 dB		Ref Level 25.00 c		Mkr1 1.709 000 -32.605 d	GHz 4	pan 4.00000000 MHz Swept Span	
Trace 1 Pass						Zero Span	
5.00						tart Freq I.705000000 GHz	
-15.0						top Freq I.709000000 GHz	
					_1 	AUTO TUNE	
-45.0	na na farwalyo china kana na farma na farma na farma na farma kana farma na farma na farma na farma farma farma					400.000 kHz Auto Man	
						req Offset I Hz	
Center 1.707000 GHz #Res BW 1.0 MHz		#Video BW 3.0 N	ЛНz	Span 4.00 Sweep ~6.97 ms (100	0 MHz	Axis Scale Log Lin	
1 n c l	Sep 10, 2022 5:02:48 AM					ignal Track Span Zoom)	

Plot 7-296. Lower Extended Band Edge Plot (NR Band n66 - 40.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-297. Upper Band Edge Plot (NR Band n66 - 40.0MHz - Full RB - Ant A)

KEYSIGHT     Input: RF       RL     +++     Coupling: DC       Align: Auto     Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer(RMS <mark>1</mark> 2345 A <del>WWWW</del> ANNNN	1.783000000 GHz	ettings
Spectrum v cale/Div 10 dB		Ref Level 25.00	dBm	Mkr1	1.781 000 GI -33.220 dB	Z 4.0000000 MHz	
5.0 Trace 1 Pass						Full Span	
5.00					Lim	1.78100000 GHz	
25.0 1					R	AUTO TUNE	
45.0						CF Step 400.000 kHz Auto Man	
55.0 55.0						Freq Offset 0 Hz	
enter 1.783000 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Sweep	Span 4.000 M o ~6.97 ms (1001 p		
	Sep 10, 2022 5:04:28 AM	$\square$				Signal Track (Span Zoom)	

Plot 7-298. Upper Extended Band Edge Plot (NR Band n66 - 40.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Spectrum Analyzer 1	+					Frequer	ncy 🔻 🛃
KEYSIGHT     Input: RF       Coupling: DC       Align: Auto	Input Z: 50 Ω ## Corr CCorr Freq Ref: Int (S) NFE: Off		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Powe Trig: Free Run	er (RMS <mark>123456</mark> A <del>WWWWW</del> ANNNN	Center Frequency 1.710000000 GHz	Settings
Spectrum v scale/Div 10 dB	Ref	Level 25.00 dB	m	Mkr1 1	1.709 925 GHz -25.277 dBm	Span 75.0000000 MHz Swept Span	
.og Trace 1 Pass		ľ			Limit 1	Zero Span	
15.0						Full Span	
5.00						Start Freq 1.672500000 GHz	
15.0						Stop Freq 1.747500000 GHz	
		1			RMS	AUTO TUNE	
سهبر		- Carlor - C				CF Step 7.500000 MHz	
55.0						Auto Man	
65.0						Freq Offset 0 Hz	
enter 1.71000 GHz Res BW 470 kHz	#V	ideo BW 1.8 MH	z	Sweep	Span 75.00 MHz 1.00 ms (1001 pts)	X Axis Scale Log Lin	
	Sep 10, 2022 5:19:08 AM					Signal Track (Span Zoom)	

Plot 7-299. Lower Band Edge Plot (NR Band n66 - 30.0MHz - Full RB - Ant A)

Spectrum Analyzer 1 Swept SA	+					Frequency	/ * 影
KEYSIGHT Input: RF L ↔ Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pow Trig: Free Run	ver (RMS <mark>1</mark> 23456 A \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.707000000 GHz	Settings
1 Spectrum v				Mkr1	1.709 000 GH		
Scale/Div 10 dB		Ref Level 25.00	dBm		-25.502 0Bm	Swept Span Zero Span	
						Full Span	
5.00						Start Freq 1.705000000 GHz	
15.0					Limit 1	Stop Freq 1.709000000 GHz	
					1	AUTO TUNE	
35.0						CF Step 400.000 kHz	
						Auto Man	
55.0						Freq Offset	
-65.0						0 Hz X Axis Scale	
Center 1.707000 GHz #Res BW 1.0 MHz		#Video BW 3.0	MHz	Sweep	Span 4.000 MH ~6.97 ms (1001 pts		
<b>1</b> 7 7 1	Sep 10, 2022 5:19:18 AM					Signal Track (Span Zoom)	

Plot 7-300. Lower Extended Band Edge Plot (NR Band n66 - 30.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-301. Upper Band Edge Plot (NR Band n66 - 30.0MHz - Full RB - Ant A)

Spectrum Analyzer 1	+						Frequency	· • <del> </del> #
R L     Input: RF       Goupling: DC       Align: Auto	Input Z: 50 Ω #A Corr CCorr Freq Ref: Int (S) NFE: Off	( 	PNO: Best Wide Gate: Off F Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	A₩	3456 ////////////////////////////////////	Center Frequency 1.783000000 GHz	Settings
Spectrum v	l l		-	Mkr1	1.781 00		Span 4.00000000 MHz	
cale/Div 10 dB	Ref	Level 25.00 dB	n		-30.72	3 dBm	Swept Span Zero Span	
5.0 Trace 1 Pass							Full Span	
5.00							Start Freq 1.781000000 GHz	
5.0						Limit 1	Stop Freq 1.785000000 GHz	
5.0 1	ang pinang minang pang pang pang pang pang pang pang	and a stand and a stand and a strand and a				RMS	AUTO TUNE	
5.0							CF Step 400.000 kHz	
5.0							Auto Man	
							Freq Offset 0 Hz	
enter 1.783000 GHz Res BW 1.0 MHz	#Vi	ideo BW 3.0 MH	z	Sweep	Span 4 5 ~6.97 ms (	.000 MHz 1001 pts)		
<b>1</b> 7 7 1 1	Sep 10, 2022 5:22:21 AM	$\triangle$				$\mathbf{X}$	Signal Track (Span Zoom)	

Plot 7-302. Upper Extended Band Edge Plot (NR Band n66 - 30.0MHz - Full RB - Ant A)

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Spectrum Analyzer 1 Swept SA	+					Frequency	· ·   <del>湯</del>
KEYSIGHT Input: RF RL ···· Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RN Trig: Free Run	1S <mark>1</mark> 23456 A <del>WWWWW</del> ANNNNN	Center Frequency 1.710000000 GHz	Settings
1 Spectrum v Scale/Div 10 dB	F	Ref Level 25.00 d	iBm	Mkr1 1.709 -34	875 0 GHz 4.762 dBm	Span 62.5000000 MHz Swept Span	
Trace 1 Pass						Zero Span Full Span	
			and a start of the		η	Start Freq 1.678750000 GHz	
-5.00						Stop Freq 1.741250000 GHz	
-25.0		1					
45.0	www.www.	m			- Marine -	CF Step 6.250000 MHz Auto	
55.0						Man Freq Offset	
-65.0 Center 1.71000 GHz		#Video BW 820	kHz		pan 62.50 MHz	0 Hz X Axis Scale Log	
#Res BW 240 kHz	Nov 23, 2022 6:49:09 AM	$\mathbf{D}$		Sweep 1.00	ms (1001 pts)	Lin Signal Track (Span Zoom)	

Plot 7-303. Lower Band Edge Plot (NR Band n66 - 25.0MHz - Full RB - Ant A)

Swept SA	+						Frequent	y <b>v</b> ₿
KEYSIGHT Input: RF R L +++ Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	A WV	3 4 5 6 ∀₩₩₩ N N N N	Center Frequency 1.707000000 GHz	Settings
Spectrum v	ł	ł		Mkr1	1.709 000	) GHz	Span _4.00000000 MHz	
cale/Div 10 dB		Ref Level 25.00 o	dBm		-29.149	dBm	Swept Span Zero Span	
15.0							Full Span	
5.00							Start Freq 1.705000000 GHz	
5.00							Stop Freq 1.70900000 GHz	
						<u>1</u>	AUTO TUNE	
95,0			and an an and a second seco	#444/**********************************			CF Step 400.000 kHz	1
55.0							Auto Man	
65.0							Freq Offset 0 Hz	
enter 1.707000 GHz		#Video BW 3.0 M	ЛНz		Span 4.0			
	Nov 23, 2022 6:50:41 AM			Sweep	o ~6.97 ms (10	001 pts)	Lin Signal Track	

Plot 7-304. Lower Extended Band Edge Plot (NR Band n66 - 25.0MHz - Full RB - Ant A)

FCC ID: A3LSMS911U		Approved by: Technical Manager				
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EYSIGHT       Input: RF         L       Imput: Coupling: DC         Align: Auto       Align: Auto	Input Z: 50 Ω #Atten: 36 dE Corr CCorr Freq Ref: Int (S) NFE: Off	B PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power ( Trig: Free Run	RMS123456 A <del>WWWWW</del> ANNNNN	Center Frequency 1.780000000 GHz Span	Setting
Spectrum v cale/Div 10 dB	Ref Level 25	.00 dBm		0 000 0 GHz 30.035 dBm	62.5000000 MHz Swept Span Zero Span	
Trace 1 Pass					Full Span	
00	any water and the second of				Start Freq 1.748750000 GHz	
					Stop Freq 1.811250000 GHz	
5.0 5.0					AUTO TUNE CF Step	
		human	mon		6.250000 MHz Auto Man	
			Martin Martin	halper and have	Freq Offset 0 Hz	
nter 1.78000 GHz es BW 240 kHz	#Video BW	820 kHz	Sweep 1.	Span 62.50 MHz 00 ms (1001 pts)	X Axis Scale Log Lin	
- C C C	? Nov 23, 2022 7:00:23 AM				Signal Track (Span Zoom)	1

Plot 7-305. Upper Band Edge Plot (NR Band n66 – 25.0MHz - Full RB - Ant A)

Spectrum Analyzer 1 Swept SA	+					Frequency	· • 👫
KEYSIGHT     Input: RF       Coupling: DC       Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track; Off	#Avg Type: Power Trig: Free Run	r (RMS <mark>123456</mark> A WW WW W A N N N N N	Center Frequency 1.783000000 GHz	Settings
Spectrum v		ef Level 25.00 d			.781 000 GHz -28.662 dBm	Span 4.00000000 MHz	
og Trace 1 Pass	K	er Level 25.00 a	BM		-20.002 UBIII	Swept Span Zero Span	
						Full Span	
						Start Freq 1.781000000 GHz	
15.0						Stop Freq 1.785000000 GHz	
5.0 1						AUTO TUNE	
5.0		and the second			an a	CF Step 400.000 kHz	
						Auto Man	
						Freq Offset 0 Hz	
enter 1.783000 GHz Res BW 1.0 MHz	#	Video BW 3.0 M	Hz	Sweep ~6	Span 4.000 MHz 5.97 ms (1001 pts)	X Axis Scale Log Lin	
	Nov 23, 2022					Signal Track (Span Zoom)	

Plot 7-306. Upper Extended Band Edge Plot (NR Band n66 - 25.0MHz - Full RB - Ant A)

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wept SA       EYSIGHT       Input: RF       L       →       Align: Auto       PASS	Input Z: 50 Ω #Atte Corr CCorr Freq Ref: Int (S) NFE: Off	n: 36 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off		* 1.71000000 GHz
Spectrum v cale/Div 10 dB	Ref Li	evel 25.00 dBm	Mkr1 1.709 95 GH -29.629 dBi	m Swept Span
5.0 5.00				Full Span Start Freq 1.685000000 GHz
5.0		1		Stop Freq 1.735000000 GHz AUTO TUNE
5.0	Jan Marina Ma			CF Step 5.00000 MHz Auto Man
55 0 enter 1.71000 GHz Res BW 240 kHz	#Vide	eo BW 820 kHz	Span 50.00 Mi Sweep 1.00 ms (1001 pt	

Plot 7-307. Lower Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant A)

Spectrum Analyzer 1 Swept SA	+					Frequency	₩
KEYSIGHT       Input: RF         Coupling: DC       Align: Auto         W       PASS	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	#Atten: 36 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS Trig: Free Run	<b>1 2 3 4 5 6</b> A <del>WWWWW</del> ANNNNN	Center Frequency 1.707000000 GHz	Settings
1 Spectrum				Mkr1 1.709		Span 4.00000000 MHz	
Scale/Div 10 dB		Ref Level 25.00	dBm	-24	.410 dBm	Swept Span Zero Span	
15.0 Trace 1 Pass						Full Span	
						Start Freq 1.705000000 GHz	
15.0					Limit 1	Stop Freq 1.709000000 GHz	
					R	AUTO TUNE	
35.0	and the and the second s	-And Antonia State and a strain				CF Step 400.000 kHz	
55.0						Auto Man	
65.0						Freq Offset 0 Hz	
Center 1.707000 GHz #Res BW 1.0 MHz		#Video BW 3.0 I	MHz	Spectra Spectra Spectra Spectra Spectra Spectra Spectra Sweep ~6.97 r	an 4.000 MHz ns (1001 pts)		
<b>1</b> 7 7 7 1	Sep 10, 2022 5:30:08 AM					Signal Track (Span Zoom)	

Plot 7-308. Lower Extended Band Edge Plot (NR Band n66 - 20.0MHz - Full RB - Ant A)

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