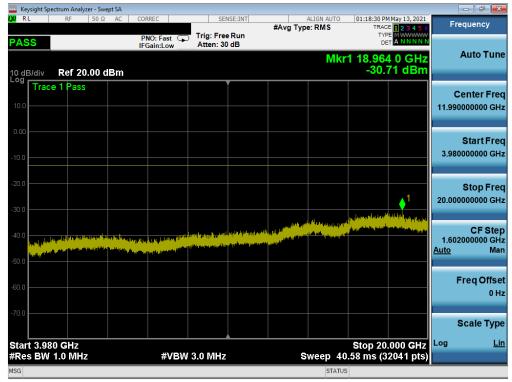


Keysight Spectrum Analyzer - Swept SA					
<b>LX/</b> RL RF 50Ω AC	CORREC SEN	NSE:INT #Avg Ty		8 PM May 13, 2021 RACE 1 2 3 4 5 6	Frequency
PASS	PNO: Fast Trig: Free IFGain:Low Atten: 30			DET A NNNN	
10 dB/div Ref 20.00 dBm			Mkr1 3.0 -38	64 5 GHz 805 dBm	Auto Tune
10.0					Center Freq 1.865000000 GHz
-10.0					Start Freq 30.000000 MHz
-20.0					Stop Freq 3.700000000 GHz
-40.0	e kine og en stør stel at støre stel stør De støre stel	ting bang pang katalah pang sala sala pang sala pan A sala pang katala pang sala pa		R <sup>ala</sup> tan panén (aya na Palanén) Pa <sup>n</sup> én (an Bany Jardin Indonés)	CF Step 367.000000 MHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz
-70.0 Start 30 MHz			Stor	3.700 GHz	Scale Type
#Res BW 1.0 MHz	#VBW 3.0 MHz		Sweep 6.361 m	s (7341 pts)	
MSG			STATUS		

Plot 7-64. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-2)



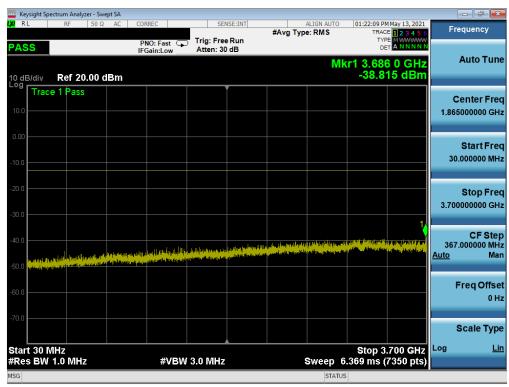
Plot 7-65. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-2)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo E2 of 1E2
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	pectrum Analy:											_	
LXI RL	RF	50 Ω	DC	CORREC		SE	NSE:INT	#Avg Ty	ALIGN AUTO		MJun 10, 2021	Fr	equency
PASS				PNO: F	ast 🖵	Trig: Fre				TY			
FA35				IFGain:L	wo	Atten: 10	) dB						Auto Tune
									MK	r1 38.35	8 5 GHZ 04 dBm		/ are rane
10 dB/div Log	Ref 0.0		m							-41.0			
Trac	e 1 Pass											C	Center Fred
-10.0												30.00	0000000 GHz
-20.0													
												20.00	Start Freq
-30.0												20.00	000000 GH2
											▲1		
-40.0										and write an	and you wanted		Stop Freq
				ر ئەغللىرى	kana lita ta		وبلين بريطياتها	al <mark>, and helionsheimt</mark>	And provided the	Contradic de la contraction de la contra	Aliante de la composition de la composi	40.00	0000000 GHz
-50.0 <b>//mjy//(i</b> l	langa pananan tanan dan sa	ر اور روي يحد مراله	and the second		a na ang pagi		روي بين من المركزين المعالية من طائلة (ألم)	والمتفأر وأريق المقاربين	an provide the second	<u>ko nielis il irpositette etc</u>			
-60.0	Contraction of the local diversion of the local diversion of the local diversion of the local diversion of the	Ang gi bakala da											CF Step
-60.0													0000000 GH
-70.0												<u>Auto</u>	Mar
10.0													
-80.0													Freq Offset
													0 Hz
-90.0													
													Scale Type
Start 20.										Stop /	0.00 GHz	Log	Lin
#Res BW				-	¢VB₩	3.0 MHz			Sweep 3	4.67 ms (4	0.00 GH2		
MSG									STATU				
-				_									

Plot 7-66. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-2)



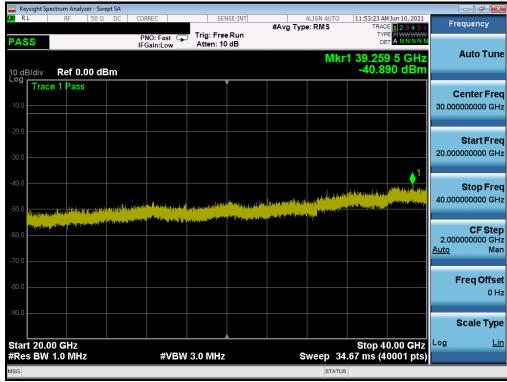
Plot 7-67. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-2)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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		SA								e e	×
RF	50 Ω	AC CO	RREC		NSE:INT	#Avg Ty	ALIGN AUT	TRA	MMay 13, 2021	Frequency	v
							Μ	kr1 17.31	87GHz	Auto T	une
		3m						-31.0	35 aBm		
e 1 Pass										Center	Frec
										11.990000000	GHz
										Start	Frec
										3.98000000	GHz
										Stop I	
								<sup>1</sup>		20.00000000	GHz
						لىلەر. د.	e post of these	and the second sec	A MARINE AND		
A Marine Marine Provinsi Salah Marine Provinsi Sal Marine Provinsi Salah Marine Provinsi	هدينغوز عقربانه	Citize bandi	a talanta a talan talan.	alistic and a second	Depils Indition of the	Distanti di Cara da Car	مر بر معالما الحريد. مراجع المراجع الم			CF \$ 1.602000000	
		Stability of the other	a substantia da fisi	<sup>ر ب</sup> المراجعة الارميكية، المكافرين.						<u>Auto</u>	Mar
										Freq O	
											0 Hz
										Scale 7	Dunc
			40 (D)	2004				Stop 20	0.000 GHz	Log	Lir
T.U WIHZ			#VBV	v J.U WIHZ					30041 pts)		
	0 GHz	a 1 Pass	IF Ref 20.00 dBm 1 Pass 1 Pass 4 Pa	Ref 20.00 dBm a 1 Pass a 1 Pas	Atten: 30 Ref 20.00 dBm 9 1 Pass 9 1 Pa	IFGain:Low     Atten: 30 dB       Ref 20.00 dBm	PNO: Fast Trig: Free Run Atten: 30 dB  Ref 20.00 dBm  1 Pass I Pass	IFGain:Low       Atten: 30 dB         Ref 20.00 dBm       Image: Comparison of the comparison of th	PNO: Fast       Trig: Free Run       Trig: Atten: 30 dB         IPass       Image: Atten: 30 dB       Image: Atten: 30 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40 dB       Image: Atten: 40 dB         Plass       Image: Atten: 40	PNO: Fast IFGaintLow       Trig: Free Run Atten: 30 dB       Mkr1 17.318 7 GHz -31.035 dBm         a 1 Pass       a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1	PNO: Fast IFGsin:Low       Trig: Free Run Atten: 30 dB       Mkr1 17:318 7 GHz -31.035 dBn       Auto T         81 Pass       1

Plot 7-68. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-2)



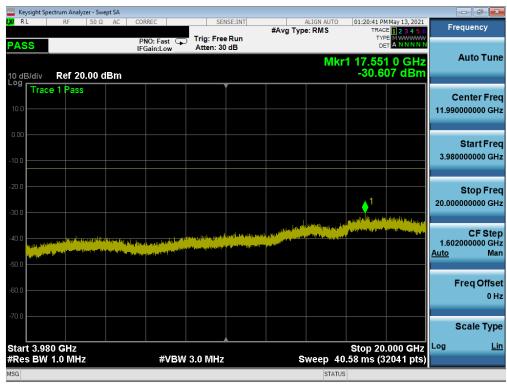
Plot 7-69. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-2)

FCC ID: A3LSMF926U	PCTEST Proad to be part of @elenserd	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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🔤 Keysight Spe	ctrum Analyz	er - Swep	ot SA									(	
X/RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#Avg Ty	ALIGN AUTO		M May 13, 2021	Fr	equency
PASS				PNO: I IFGain	Fast 🖵	Trig: Fre				TY	PE MWWWWW		
				IFGain	LOW	Attent 3	UUD		M	lkr1 3.41	0 0 CH7		Auto Tune
10 dB/div	Ref 20	.00 dl	Bm							-38.6	00 dBm		
Log Trace	e 1 Pass						Ĭ						
10.0												-	enter Frec
10.0												1.800	5000000 GH2
0.00													
													Start Fred
-10.0												30	.000000 MHz
-20.0													Stop Free
-30.0												3.700	0000000 GH2
00.0											1		
-40.0								العرام أكفيت ال	a. Jaanta Mara I	and the grant of the second		367	CF Step .000000 MH;
and district.	a manda har	Anada	A STATE AND	aliperation of the		a la construction de la construction La construction de la construction d	a posti a distanti Angendi a selara seta	Parti ganta Distanta di	in sulface to a		Lister and all	Auto	Mar
-50.0	and a standard of the second	فأظفلت يدفر											
												F	req Offse
-60.0													0 Hz
-70.0													
												:	Scale Type
Start 30 N	147									Stop 3	.700 GHz	Log	Lin
#Res BW					#VBW	3.0 MHz			Sweep	6.361 ms (	(7341 pts)	-	
ISG									STAT	US			

Plot 7-70. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-2)



Plot 7-71. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-2)

FCC ID: A3LSMF926U	PCTEST Prout to be part of @wikement	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyze											d X
L <mark>XI</mark> RL	RF	50 Ω DC	C CORR	EC	SEI	ISE:INT	#Avg Typ	ALIGN AUTO		MJun 10, 2021	Frequer	ncy
PASS				D:Fast 🖵 ain:Low	Trig: Free Atten: 10		#/(18.1)P		TYF			_
10 dB/div Log	Ref 0.0	0 dBm						Mkr	1 39.22 -40.1	95 GHz 59 dBm	Auto	Tune
-10.0 Trac	e 1 Pass										Cente 30.0000000	
-20.0										. 1	Star 20.0000000	r <b>t Freq</b> 00 GHz
-40.0	A STRUCTURE OF A CONTRACT		. Company	arte da se di ceja	te skyn gester der der	la fan gener fan stere fan	a support of the particle	Charge character and the second	n Papal (1911) <sub>mang</sub> panana kang C (1929) <sup>mang</sup> panana sina kang panana		<b>Sto</b> 40.0000000	<b>p Frec</b> 00 GHz
-60.0											CI 2.0000000 <u>Auto</u>	F Step 00 GH: Mar
-80.0											Freq	Offset 0 Hz
-90.0											Scale	е Туре
Start 20.0 #Res BW				#VBW	3.0 MHz		s	weep 34	Stop 4 .67 ms (4	0.00 GHz 0001 pts)	Log	Lin
MSG								STATUS	3			

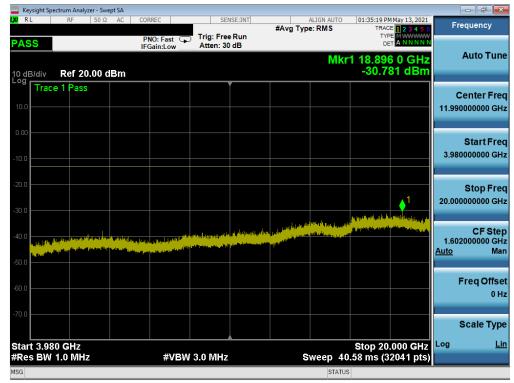
Plot 7-72. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-2)

FCC ID: A3LSMF926U	PCTEST Proud to be part of @ element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyzer - Sw									
LXI RL	RF 50 Ω	AC O	ORREC		SE:INT	#Avg Typ	ALIGN AUTO	TRAC	M May 13, 2021	Frequency
PASS			PNO: Fast 🔾 FGain:Low	Trig: Free Atten: 30					PE M WWWWW ET A N N N N N	
							N	lkr1 3.68	6 5 GHz	Auto Tune
10 dB/div Log	Ref 20.00 d	dBm						-37.9	25 dBm	
Trac	e 1 Pass									Center Freq
10.0										1.865000000 GHz
0.00										Start Freq
-10.0										30.000000 MHz
10.0										
-20.0										Stop Freq
										3.700000000 GHz
-30.0									1	
-40.0										CF Step
	n and Assessed with		n alasti a a sala	indexed dates	al confidentia	Phales Revealed a second s Second second	a na na sa kata a sa	and a state of the second s		367.000000 MHz Auto Man
-50.0	an sana daga kana kana kana kana kana kana kana k	i ingana di dia mandaha	فسراغا فيستشقين وسن	administration of the						
										Freq Offset
-60.0										0 Hz
-70.0										
										Scale Type
Start 30 M	1H7							Ston 3	.700 GHz	Log <u>Lin</u>
#Res BW			#VBW	/ 3.0 MHz			Sweep	6.361 ms	(7341 pts)	
MSG							STAT	US		

Plot 7-73. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-3)



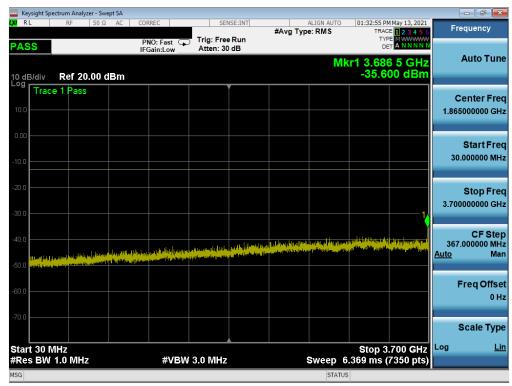
Plot 7-74. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-3)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyz											
L <mark>XI</mark> RL	RF	50 Ω	DC CC	DRREC	S	ENSE:INT	#Avg Typ	ALIGN AUTO		MJun 10, 2021	Free	quency
PASS			I	PNO: Fast ( Gain:Low	Trig: Fr				TYF			
			11	Gain.Low	Atten.	U U D		Mkr	1 38 37	2 5 GHz	A	uto Tune
10 dB/div	Ref 0.0	00 dBn	n						-40.7	42 dBm		
Log Trac	e 1 Pass					Ĭ					C	enter Fred
-10.0												000000 GHz
-20.0												Start Fred
-30.0												000000 GHz
-30.0										. 1		
-40.0										<b>• '</b>		Stop Fred
					alle group at the later	ula ar	and a still deather day	Lis	, dilaten parti ang	And a second second second		000000 GHz
-50.0 Proster	the sector beautiful	n an the second s	and a state of the	er proget er fri som fra Allen storette filtelande	den gener het den den Generalen angende <sup>mannen k</sup>	al faising a suite suite a	na principali di Mandala di Mandala di Mandala di Kalimana di Kalimana di Kalimana di Kalimana di Kalimana di K	A CONTRACTOR OF	a that they are not decay.			
-60.0	and a state of the second s	an a si	all second	. i option	and a second							CF Step
00.0											2.0000 Auto	00000 GHz Mar
-70.0												
											Fr	req Offset
-80.0												0 Hz
-90.0												
											S	cale Type
Start 20.0									Stop 4	0.00 GHz	Log	Lin
#Res BW				#VB	W 3.0 MH	z	s	weep 34	.67 ms (4	0001 pts)		
MSG								STATUS				

Plot 7-75. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-3)



Plot 7-76. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-3)

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	pectrum Ar													
RL	RF	<u>50 Ω</u>	AC	CORREC			ISE:INT	#Avg T	ALIGN AU ype: RMS	TO 01:	TRAC	May 13, 2021	Fr	equency
ASS				PNO: F IFGain:	∃ast ⊂ Low	Trig: Free Atten: 30					TYP DE			
									N	lkr1 17	7.651	2 GHz		Auto Tur
) dB/div		20.00 c	lBm								31.06	63 dBm		
Tra	ce 1 Pa	SS				,							C	Center Fre
0.0													11.99	0000000 GI
).00														Start Fr
0.0													3.98	0000000 G
0.0														Stop Fr
											▲1		20.00	0000000 G
0.0										والبريدين ا	A SUMP	and a link of the second		
0.0						and a second public of the	the state of the	a har an a state of the	And Andreas Park	A DECEMBER OF THE PARTY OF THE	للبادين وأك			CF St
or the		teres de service	in a substantia da substant A substantia da substantia d	n ya cysta (l <sub>ab</sub> arilla) 1 Nan shuddan		فعلوه وحريقو والأم	المتعدية بالمتعالم وم						1.60 Auto	2000000 G N
0.0														
														Freq Offs
0.0														. 0
0.0														
														Scale Ty
tart 3.0	80 GHz	,				,				Ste	n 20	000 GHz	Log	1
	V 1.0 M				#VBW	3.0 MHz			Sweep	40.85 r	ns (3)	6041 pts)		
G										ATUS				

Plot 7-77. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-3)



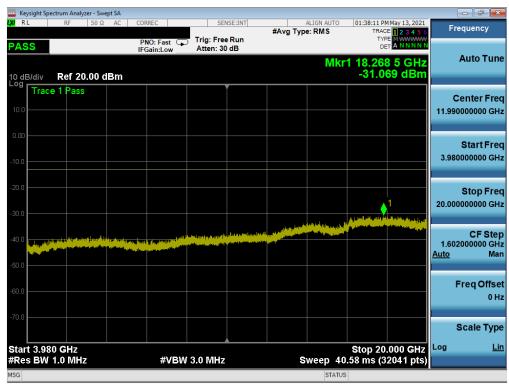
Plot 7-78. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-3)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyz	er - Swept S	SA									
XU RL	RF	50 Ω A	AC CO	RREC		NSE:INT	#Avg Typ	ALIGN AUTO	TRAC	M May 13, 2021	Fre	quency
PASS			P	NO: Fast Gain:Low	Trig: Fre Atten: 30				TYI Di			
10 dB/div	Ref 20	.00 dBi	m					N	lkr1 3.68 -37.0	6 0 GHz 70 dBm		Auto Tune
Log Trace	e 1 Pass											enter Fred 000000 GH2
-10.0												Start Free
-20.0										1		Stop Free
-40.0	, li forque milit			a a ligana. Makasa ka	saa da waxaa waxaa da bii da yaxa na yaxaa waxaa da bii da waxaa	and the second s		anti japanga	(and ) and the part of the paper of	ner i Anna dhe ha pupu ner i Anna dhe dha pupu	367.0 <u>Auto</u>	CFStep 000000 MH Mar
-50.0											F	req Offse 0 H
-70.0												cale Type
Start 30 N #Res BW				#VE	W 3.0 MHz			Sweep	Stop 3 6.361 ms (	.700 GHz (7341 pts)	Log	Lir
MSG								STAT	US			

Plot 7-79. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-3)



Plot 7-80. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-3)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	pectrum Analyzer - Sw										
L <mark>XI</mark> RL	RF 50 Ω	DC CC	RREC	SEI	SE:INT	#Avg Typ	ALIGN AUTO		MJun 10, 2021	Frequ	ency
PASS		F	NO: Fast Gain:Low	Trig: Free Atten: 10		#/(18/)p		TYF De			
10 dB/div	Ref 0.00 di	Зm					Mkr	1 38.56 -40.7	9 0 GHz 80 dBm	Au	to Tune
Log Tra	ce 1 Pass									Cen 30.000000	<b>ter Freq</b> 0000 GHz
-20.0									.1	St 20.000000	<b>art Freq</b> 0000 GHz
-40.0	ng jaranganan <sup>di</sup> rikané dalapaté na sa		an ha <sup>ba</sup> lan sa ha sa ang kaga sa	egy to be to be a feature to be	Deale and a spectrum and a	a la la provinsi a plica Polici provinsi a la com	1947 C.	pana ang ang ang ang ang ang ang ang ang	hendred for the sector	St 40.000000	<b>op Freq</b> 0000 GHz
-60.0			in the Barthanes k of July in							2.000000 <u>Auto</u>	CF Step 0000 GHz Mar
-80.0										Fre	<b>q Offse</b> 0 Ha
-90.0											ale Type
Start 20. #Res BW	00 GHz / 1.0 MHz		#VBW	3.0 MHz		s	weep 34	Stop 4 67 ms (4.	0.00 GHz 0001 pts)	Log	Lin
MSG							STATUS				

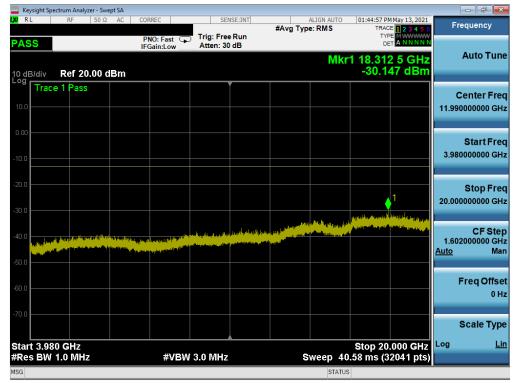
Plot 7-81. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-3)

FCC ID: A3LSMF926U	POTEST Prout to be part of @ element	PART 27 MEASUREMENT REPORT	SAMSUNG	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	01:44:33 PM May 13, 2021 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO: Fast Free Run IFGain:Low Atten: 30 dB		DET A NNNN	Auto Tune
10 dB/div Ref 20.00 dBm		Mkr	1 3.686 0 GHz -37.495 dBm	Auto Tune
Trace 1 Pass				Center Freq
10.0				1.865000000 GHz
0.00				Start Freq
-10.0				30.000000 MHz
-20.0				Stop Freq 3.700000000 GHz
-30.0			1	0.7000000000000
-40.0		وأرقاله والمراجع المراجع المتحد والمحاد والمراجع	الم قارع لمالك المالية والمرزاقة، وإرابه عنه	CF Step 367.000000 MHz
-50.0	n a di a sundi la la la sunna a sun dal di da sun da a sun attica Angla sun da	and a set of the set o	and a second static rest of the part of th	<u>Auto</u> Man
				Freq Offset
-60.0				0 Hz
-70.0				
				Scale Type
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 6.3	Stop 3.700 GHz 361 ms (7341 pts)	Log <u>Lin</u>
MSG		STATUS		

Plot 7-82. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-4)



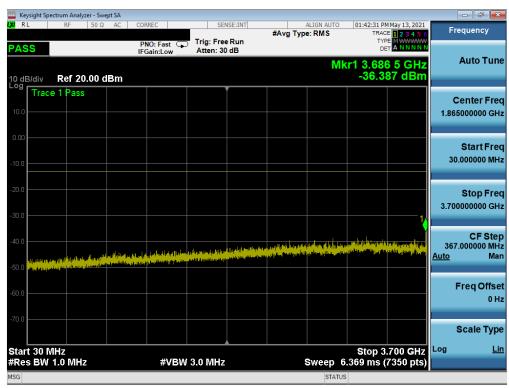
Plot 7-83. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-4)

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	ectrum Analyzer -										
LXI RL	RF 5	0Ω DC	CORREC	SEN	SE:INT	#Avg Typ	ALIGN AUTO		MJun 10, 2021	Fre	quency
PASS			PNO: Fast 🕞	Trig: Free Atten: 10				TYF			
			IFGain:Low	Atten. 10	ub		Mk	r1 39.32 <sup>.</sup>		1	Auto Tune
10 dB/div	Ref 0.00	dBm						-40.5	04 dBm		
Log Trac	e 1 Pass									C.	enter Freq
-10.0											000000 GHz
-20.0											Start Freq
-30.0											000000 GHz
-30.0									. 1		
-40.0									a a li artici a traditica		Stop Freq
				L. L. P	nank .a	Secold all of the ball	a provincial	an dagan panalan sa	Contraction of the		000000 GHz
-50.0 <mark>मारक्षणप</mark>	<sup>Dist</sup> al Andra Marcel Republication	Markey, Action			and a second		A ROSE OF	<u>ى <sub>ى</sub>ىغارىغۇ بىلانلىلىغ م.</u>			
-60.0	and the second state of the second		in a set fr								CF Step
										2.000 Auto	000000 GHz Man
-70.0											
										F	req Offset
-80.0											0 Hz
-90.0											
										S	cale Type
Start 20.0	III GH7							Stop 4	0.00 GHz	Log	Lin
#Res BW			#VBW	3.0 MHz		s	weep 3	4.67 ms (4	0001 pts)		
MSG							STATU	IS			

Plot 7-84. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - SRS-4)



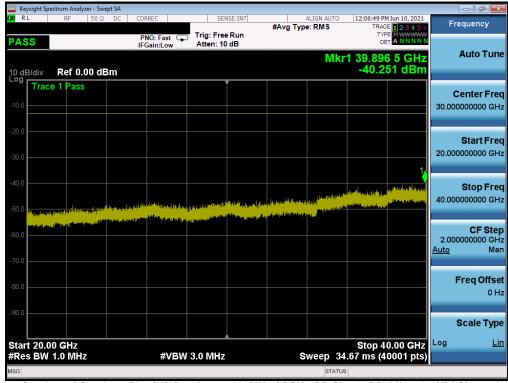
Plot 7-85. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-4)

FCC ID: A3LSMF926U	POTEST Prout to be part of @ element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	ctrum Analyz		t SA										
L <mark>XI</mark> RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#Avg Typ	ALIGN AUT		PM May 13, 2021	Freq	uency
PASS				PNO: F	ast 🖵 Low	Trig: Free Atten: 30							
10 dB/div	Ref 20	.00 dE	3m						М	kr1 17.7 -30.	14 3 GHz 767 dBm	A	uto Tune
10.0	e 1 Pass												nter Freq 00000 GHz
-10.0													tart Freq
-20.0										1	11.10k - e - uk -		top Freq 00000 GHz
-40.0		aang ing big Langsida ay		y Lyget Sugar (1997) Selection (1997)		an de antoine an grobe Altra anna an gcarta	og a lland to suit						CF Step 00000 GHz Man
-50.0												Fre	e <b>q Offse</b> t 0 Hz
-70.0													ale Type
Start 3.98 #Res BW				;	#VBW	3.0 MHz		\$	weep	Stop 2 40.85 ms	20.000 GHz (36041 pts)	Log	Lin
MSG										TUS			

Plot 7-86. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-4)



Plot 7-87. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - SRS-4)

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	ctrum Analyzer										
L <mark>XI</mark> RL	RF 5	OΩ AC	CORREC		ISE:INT	#Avg Typ	ALIGN AUTO	TRAC	May 13, 2021	Freq	uency
PASS			PNO: Fast IFGain:Low	Trig: Free Atten: 30				TYF			
10 dB/div	Ref 20.0	0 dBm					N	lkr1 3.68 -36.5	6 5 GHz 39 dBm	A	uto Tune
Log Trace	e 1 Pass										nter Freq 10000 GHz
-10.0											tart Freq 0000 MHz
-20.0									1		top Freq 00000 GHz
-40.0	a para da la parte da la da seconda da la seconda da seconda da seconda da seconda da seconda da seconda da se	last selected a	lan juga katalah katalan sa katala Mananga pakatan sa sa katala	(tort (pikk) (tokin) and a tor extended in the	, ditte on the description of the second	l <sub>Theodor</sub> <mark>din Aprila</mark> Polatik Konadila	<mark>( (1) - <sup>(1)</sup> - Align (1) - A</mark>	Alara a da ma <sup>tra</sup> ta panil Manja <sup>ta</sup> na da Kasada	andrean phail à spor Anna an dhailte an l	367.00 <u>Auto</u>	CF Step 0000 MHz Man
-60.0										Fre	eq Offset 0 Hz
-70.0											ale Type
Start 30 N #Res BW			#VBW	3.0 MHz			Sweep	Stop 3 6.361 ms (	.700 GHz 7341 pts)	Log	Lin
MSG							STAT				

Plot 7-88. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-4)



Plot 7-89. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-4)

FCC ID: A3LSMF926U	PCTEST Prout to be part of @wikement	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager	
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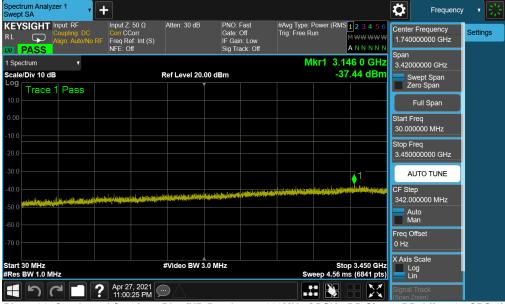
	Spectrum Analyzer - Sw										ð
LXI RL	RF 50 Ω	DC CO	RREC	SEI	SE:INT	#Avg Typ	ALIGN AUTO		4 Jun 10, 2021 E 1 2 3 4 5 6	Freque	ncy
PASS		P IF	NO: Fast Gain:Low	Trig: Free Atten: 10		#rrig i jp		TYF De			_
10 dB/div	Ref 0.00 dl	Bm					Mkr	1 39.19 <sup>.</sup> -40.6	1 5 GHz 92 dBm	Auto	o Tune
Log Tra	ce 1 Pass									Cente 30.0000000	e <b>r Freq</b> 100 GHz
-20.0										Sta 20.0000000	r <b>t Freq</b> 100 GHz
-40.0	M. (M. same M. same survey) (M. s. s.	a ya daga ka	an te fan an te de service an te	up and the second s	head have been the	l gifterski spiler fil disegi generalist antonistationer		a na mati a fa ga ga a a a a a a a a a a a a a a		<b>Sto</b> 40.0000000	<b>p Freq</b> 100 GHz
-60.0		ti olistypek teteste <sup>tile</sup>	an hillinni fairni e la dia dia dia dia dia dia dia dia dia di	, maayaa dan ina (kan sa						C 2.0000000 <u>Auto</u>	F Step 100 GHz Mar
-80.0										Freq	Offse 0 Ha
-90.0											e Type
Start 20. #Res BV	.00 GHz V 1.0 MHz		#VBW	3.0 MHz		s	weep 34	Stop 4 67 ms (4	0.00 GHz 0001 pts)	Log	Lin
MSG							STATUS				

Plot 7-90. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel - SRS-4)

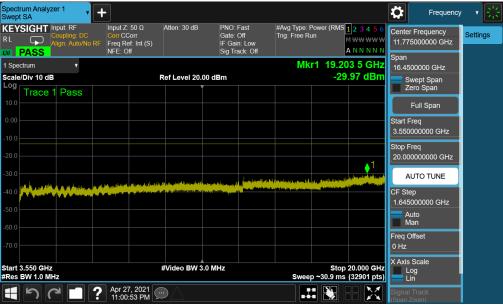
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## NR Band n77 – DoD Band – SRS-1



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



Plot 7-92. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset - SRS-1)

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KEYSIGHT       Input: RF         Coupling: DC       Coupling: DC         Align: Auto/No       Align: Auto/No	Input Z: 50 Ω Corr CCorr RF Freq Ref: Int (S) NFE: Off	Atten: 10 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power Trig: Free Run	(RMS 1 2 3 4 5 6 M WW WW W A N N N N N	Center Frequency 30.00000000 GHz
1 Spectrum v Scale/Div 10 dB		Ref Level 0.00	dBm	Mkr1 3	38.598 5 GHz -39.22 dBm	Span 20.0000000 GHz Swept Span Zero Span
10.0 Trace 1 Pass 20.0						Full Span
30.0						20.000000000 GHz Stop Freq 40.000000000 GHz
50.0 <b>1000 1000 1000 1000 1000 1000</b>		nur gen klynnymmet met gen i Gen australiaer de konstation met				AUTO TUNE CF Step
70.0						2.000000000 GHz Auto Man
						Freq Offset 0 Hz X Axis Scale
Start 20.00 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Sweep ~37	Stop 40.00 GHz .5 ms (40001 pts)	

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

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## NR Band n77 – DoD Band – SRS-2



Plot 7-94. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-2)



Plot 7-95. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 – SRS-2)

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KEYSIGHT       Input: RF         Coupling: DC         Align: Auto         V       PASS	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 10 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM: Trig: Free Run	S <mark>123456</mark> M <del>WWWW</del> ANNNNN	Center Frequency 30.000000000 GHz
Spectrum v		Ref Level 0.00	dPm	Mkr1 38.2	290 5 GHz 2.81 dBm	20.0000000 GHz
<sup>og</sup> Trace 1 Pass					2.01 0.011	Swept Span Zero Span
10.0						Full Span
30.0						Start Freq 20.00000000 GHz
40.0					1	Stop Freq 40.000000000 GHz
50.0	ang tana ka di pang di Pada pananan ang Dagang	liggi i pozetava i kara se levera i g				AUTO TUNE
						CF Step 2.000000000 GHz
80.0						Auto Man
						Freq Offset 0 Hz
tart 20.00 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Steep ~37.5 m	op 40.00 GHz s (40001 pts)	

Plot 7-96. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-2)

FCC ID: A3LSMF926U	POTEST Proud to be part of @ wiensert	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager	
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## NR Band n77 – DoD Band – SRS-3



Plot 7-97. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-3)



Plot 7-98. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-3)

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KEYSIGHT       Input: RF         Coupling: DC       Align: Auto         M       PASS	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 10 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (F Trig: Free Run	RMS 1 2 3 4 5 6 M WWWWW A N N N N N	Center Frequency 30.00000000 GHz Span	Setting
I Spectrum v Scale/Div 10 dB		Ref Level 0.00	dBm		8.600 5 GHz -43.50 dBm	20.0000000 GHz	
Trace 1 Pass						Zero Span	
20.0						Start Freq 20.000000000 GHz	
					1	Stop Freq 40.000000000 GHz	
50.0		an an Annais an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annai Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaichtean an Annaich				AUTO TUNE	
60.0 the strength of the state						CF Step 2.000000000 GHz	
						Auto Man Freg Offset	
90.0						0 Hz X Axis Scale	
start 20.00 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Sweep ~37.5	Stop 40.00 GHz 5 ms (40001 pts)	Log Lin	

Plot 7-99. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-3)

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## NR Band n77 – DoD Band – SRS-4



Plot 7-100. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-4)



Plot 7-101. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 – SRS-4)

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EYSIGHT Input: RF L Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 10 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	IS 1 2 3 4 5 6 M WW WW W A N N N N N	Ref Level 0.00 dBm	Y Scale
Spectrum v cale/Div 10 dB		Ref Level 0.00	, U		558 0 GHz 1.62 dBm	10 00	Attenuati Signal Pa
og Trace 1 Pass						Log Lin	
						Y Axis Unit dBm ▼	
						Ref Level Offset 0.00 dB	
		an a				Off Number of Divisions	
0.0						10 <b>v</b>	
0.0 tart 20.00 GHz		#Video BW 3.0			top 40.00 GHz		
Res BW 1.0 MHz		#video Bvv 5.0	MINZ	Sweep ~37.5 m			

Plot 7-102. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - SRS-4)

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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 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

KDB 971168 D01 v03r01 - Section 6.0

### 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  $\geq$  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

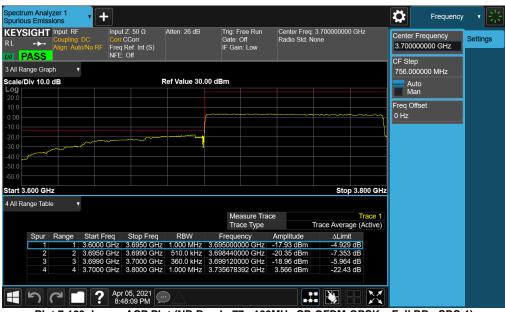
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- 1. For 3700-3980 MHz operation, per 27.53(I)(2), in the 1 MHz bands immediately outside and adjacent to the frequency block, a minimum resolution bandwidth of either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz may be employed to demonstrate compliance with the out-of-band emissions limit. In the bands between 1 and 5 MHz removed from the frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
- 2. For 3450-3550 MHz operation, per 27.53(n)(2), in the 1 MHz bands immediately outside and adjacent to the frequency block, a minimum resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter, but limited to a maximum of 200 kHz, may be employed to demonstrate compliance with the out-of-band emissions limit. In the bands between 1 and 5 MHz removed from the frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as in Test Note #1 above.
- 3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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Plot 7-103. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK – Full RB - SRS-1)

Spectrum Analyzer Spurious Emissions							Frequency	• 崇
Aligr	pling: DC Co n: Auto/No RF Fre	ut Z: 50 Ω rr CCorr iq Ref: Int (S) E: Off	Atten: 26 dB	Trig: Free Run Gate: Off IF Gain: Low	Center Freq: Radio Std: N	3.980000000 GHz ione	Center Frequency 3.980000000 GHz	Settings
3 All Range Graph	V	L. 01					CF Step 756.000000 MHz	
Scale/Div 10.0 dB		F	Ref Value 30.0	) dBm			Auto Man	
20.0							Freq Offset 0 Hz	
-10.0 -20.0 -30.0								
-40.0 -50.0 -60.0								
Start 3.880 GHz						Stop 4.080 GHz		
4 All Range Table	T							
				Measure Tr Trace Type		Trace 1 Trace Average (Active)		
Spur Ran		Stop Freq	RBW	Frequency 3.924723618 GHz	Amplitude	∆Limit -24.55 dB		
2	2 3.9800 GHz	2 3.9810 GHz	360.0 kHz	3.980000000 GHz 3.982120000 GHz	20.85 dBm	-7.850 dB -12.07 dB		
4				3.986005291 GHz		-9.995 dB		
<b>1</b> 50	<b>?</b>	or 05, 2021 :50:46 PM						

Plot 7-104. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-1)

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YSIGHT	Input: RF Coupling: Align: Aut	DC Cor to/No RF Fre	ut Z: 50 Ω r CCorr q Ref: Int (S) Ξ: Off	Atten: 26 dB	Gate	Free Run : Off ain: Low		er Freq: 3 o Std: No	3.700000000 ne	GHz	3.7000	Frequency 00000 GHz	Setting
Range Gra	iph v										CF Step	) 0000 MHz	
le/Div 10.0				Ref Value 30.0	0 dBm						756.00		
											Ma		
0											Freq Of	fset	1
											0 Hz		
5		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~											
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			-									
t 3.600 GH									Stop	3.800 GHz			
Range Tab	le v					_							
						easure Tra ace Type	ce	Т	race Averag	Trace 1 (Active)			
Spur	Range	Start Freq	Stop Freq	RBW	Frequ		Ampli		∆Limit				
1	1		3.6950 GHz			7354 GHz			-5.827				
2			3.6990 GHz						-7.856 -4.842				
4			3.8000 GHz						-4.842				

Plot 7-105. Lower ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - SRS-1)

Spectrur Spurious			• +								\$	Frequenc	y <b>v</b> 🔆
L	IGHT ++- ASS	Input: RF Coupling: Align: Au	DC Co to/No RF Fre	ut Ζ: 50 Ω rr CCorr eq Ref: Int (S) E: Off	Atten: 26 dB	Atten: 26 dB Trig: Free Run Center Freq. 3.980000000 GF Gate: Off Radio Std: None IF Gain: Low		GHz	Center Frequency 3.980000000 GHz		Settings		
3 All Ran		oh v	,		1			1			CF Step 756.000	000 MHz	
Scale/D	iv 10.0	dB			Ref Value 30.	00 dBm					Auto		
20.0											Man		
10.0 0.00											Freq Offs 0 Hz	et	
-10.0													
-20.0						~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~				
-40.0						•							
-50.0													
-60.0													
Start 3.8	380 GH	z							Stop	4.080 GHz			
4 All Rar	nge Tabl	е ,											
						Me	asure Tra	се		Trace 1			
						Tra	се Туре	T	Frace Averag	e (Active)			
	Spur	Range	Start Freq	Stop Freq	RBW	Frequ		Amplitude	∆Limit				
	1			z 3.9800 GHz z 3.9810 GHz				4.629 dBm -16.36 dBm	-21.37 -3.360				
	2	3		z 3.9850 GHz				-18.83 dBm	-5.832				
	4			z 4.0800 GHz				-17.35 dBm	-4.352				
	5	2	<b>?</b>	pr 05, 2021 :07:19 PM									

Plot 7-106. Upper ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager	
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EYSIGHT	Input: RF Coupling: Align: Aut		t Z: 50 Ω CCorr Ref: Int (S) : Off	Atten: 26 dB	Gate:	ree Run Off in: Low		er Freq: o Std: N	3.700000000 one	GHz		Frequency 00000 GHz	Setting
ll Range Gra	ph 🔻											) 000 MHz	
le/Div 10.0 g	dB			Ref Value 30.0	00 dBm						Aut		
.0											Ma		
					·						Freq Off 0 Hz	set	
0											0112		
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									
		por and the											
.0													
rt 3.600 GH	7								Ston	3.800 GHz			
ll Range Tabl									etop				
in Runge Tubi					Me	asure Trac	ne -			Trace 1			
						се Туре		1	Trace Averaç				
Spur	Range	Start Freq	Stop Freq	RBW	Freque		Ampli		∆Limit				
1				1.000 MHz 510.0 kHz					-3.998 -6.011				
3				360.0 kHz					-1.851				
4	4	3.7000 GHz	3.8000 GHz	1.000 MHz	3.756281	407 GHz	5.018	dBm	-20.98	dB			

Plot 7-107. Lower ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - SRS-1)

Spectrur Spurious	s Emis	sions	• +									Frequency	- * ※
RL	IGHT →→ ASS	Input: RF Coupling: Align: Aut	DC Corr	CCorr Ref: Int (S)	Atten: 26 dB	Gate:	ree Run Off n: Low	Center Freq: Radio Std: N	3.980000000 ione	GHz	3.98000	requency 10000 GHz	Settings
3 All Ran		ph 🔻			,						CF Step 90.0000	00 MHz	
Scale/D	iv 10.0	dB		F	Ref Value 30.0	00 dBm					Auto		
20.0											Mar	ı	
10.0											Freq Offs	set	
0.00					1						0 Hz		
-10.0													
-30.0	~~~~~												
-40.0													
-50.0													
-60.0													
Start 3.8	880 GH	z							Stop	4.080 GHz			
4 All Ran	nge Tabl	e v											
							asure Tra			Trace 1			
							се Туре		Trace Averag				
	Spur	Range	Start Freq	Stop Freq 3.9800 GHz	RBW	Freque		Amplitude 2.677 dBm	∆Limit -23.32				
	1			3.9800 GHZ 3.9810 GHZ					-23.32				
	3			3.9850 GHz					-10.68				
	4	4	3.9850 GHz	4.0800 GHz	1.000 MHz	3.9850000	000 GHz	-21.50 dBm	-8.503	dB			
	บ	2	<b>?</b> Apr	r 05, 2021 16:30 PM				.:					

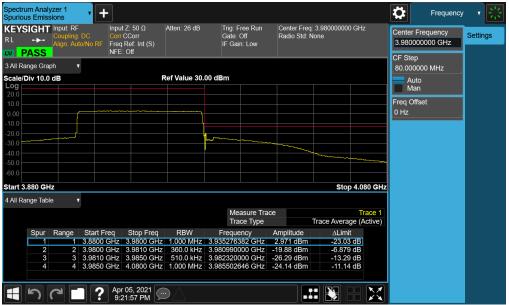
Plot 7-108. Upper ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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EYSIGHT →→ PASS	Input: RF Coupling: I Align: Auto		CCorr Ref: Int (S)	Atten: 26 dB	Gate:	Free Run Off in: Low	Center Freq: Radio Std: No		GHz		requency 0000 GHz	Settings
ll Range Gra	•									80.0000	00 MHz	
ale/Div 10.0	dB		F	Ref Value 30.0	0 dBm					Auto Man		
				,			•			Freq Offs 0 Hz		
				lur				<b>`</b>				
0.0	~~~~~											
rt 3.600 GH	iz							Stop	3.800 GHz			
II Range Tabl	le 🔻											
						asure Trac Ice Type		race Avera	Trace 1			
Spur	Range	Start Freq	Stop Freq	RBW	Freque		Amplitude	∆Limit				
<u>1</u>				1.000 MHz			-23.93 dBm	-10.93				
2				510.0 kHz				-12.91				
3				360.0 kHz 1.000 MHz			-22.46 dBm 2.958 dBm	-9.461 -23.04				

Plot 7-109. Lower ACP Plot (NR Band n77 - 70MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-110. Upper ACP Plot (NR Band n77 - 70MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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YSIGHT	Input: RF Coupling: [ Align: Auto		Z: 50 Ω CCorr Ref: Int (S) Off	Atten: 26 dB	Gate:	Free Run Off in: Low	Center Free Radio Std:	ą: 3.700000000 None	) GHz		Frequency 00000 GHz	Setting
ll Range Grap Ile/Div 10.0 g			F	Ref Value 30.0	00 dBm						000 MHz o	
.0										Freq Off 0 Hz		
.0												
rt 3.600 GH								Stop	3.800 GHz			
I Range Table	9 ▼					easure Trad ace Type	æ	Trace Averag	Trace 1 ge (Active)			
Spur 1		Start Freq	Stop Freq	RBW 1.000 MHz	Frequ		Amplitude -24.36 dBm	∆Limi -11.36				
2 3 4	2	3.6950 GHz 3.6990 GHz	3.6990 GHz 3.7000 GHz	510.0 kHz 360.0 kHz 1.000 MHz	3.698800 3.699000	000 GHz 000 GHz	-26.20 dBm	-13.20 -9.243 -22.27	dB dB			

Plot 7-111. Lower ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - SRS-1)

Spectrum Analyzer 1 Spurious Emissions	• +					Frequency	崇
	RF         Input Z: 50 Ω           ng: DC         Corr CCorr           Auto/No RF         Freq Ref: Int (S)           NFE: Off         NFE: Off	Atten: 26 dB	Trig: Free Run Gate: Off IF Gain: Low	Center Freq: 3.98 Radio Std: None	0000000 GHz	Center Frequency 3.980000000 GHz	Settings
3 All Range Graph	V					CF Step 70.000000 MHz	
Scale/Div 10.0 dB		Ref Value 30.00 d	dBm			Auto Man	
20.0 10.0 0.00						Freq Offset 0 Hz	
-10.0 -20.0 -30.0				~~~			
-40.0							
-60.0 Start 3.880 GHz					Stop 4.080 GHz		
4 All Range Table	T						
			Measure Trac Trace Type		Trace 1 e Average (Active)		
Spur Rang	e Start Freq Stop Freq 1 3.8800 GHz 3.9800 GH	RBW z 1.000 MHz 3.9	Frequency 948844221 GHz	Amplitude 4.297 dBm	∆Limit -21.70 dB		
2 3 4	2 3.9800 GHz 3.9810 GH 3 3.9810 GHz 3.9850 GH 4 3.9850 GHz 4.0800 GH	z 360.0 kHz 3.9 z 510.0 kHz 3.9	980340000 GHz 981080000 GHz	-20.01 dBm -21.15 dBm	-7.012 dB -8.151 dB -5.704 dB		
	A 05 0001						
	9:48:14 PM						

Plot 7-112. Upper ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	Input: RF Coupling: Align: Auto	DC Corr	Z: 50 Ω CCorr Ref: Int (S)	Atten: 26 dB	Gate:	ree Run Off in: Low	Center Freq: Radio Std: N	: 3.700000000 GH Ione	łz		requency 0000 GHz	Settings
II Range Gra	ph ▼									CF Step 60.0000	00 MH-7	
ale/Div 10.0	dB		F	Ref Value 30.0	0 dBm					Auto		
g										Man		
.0						· ····				Freq Offs 0 Hz	set	1
.0										• • • • •		
				hard								
			4									
0.0												
rt 3.600 GH	lz							Stop 3.	800 GHz			
II Range Tab	le v											
					Me	asure Trac	æ		Trace 1			
					Tra	се Туре		Trace Average (				
Spur	Range	Start Freq	Stop Freq	RBW	Freque		Amplitude	∆Limit				
1		3.6000 GHz					-20.14 dBm	-7.138 dB				
2		3.6950 GHz						-9.019 dB				
3		3.6990 GHz 3.7000 GHz					-17.25 dBm 4.905 dBm	-4.249 dB -21.09 dB				
	4	3.7000 GHZ	3.6000 GHZ	1.000 MHZ	3.728043.	210 GHZ	4.905 dBm	-21.09 dB	4			

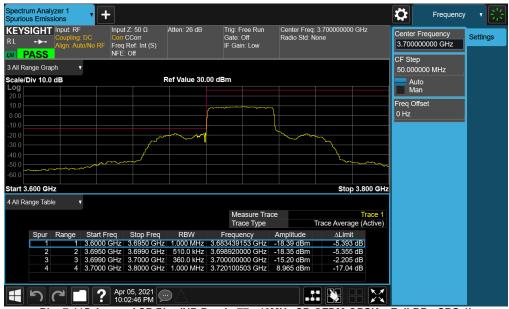
Plot 7-113. Lower ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-114. Upper ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - SRS-1)

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Plot 7-115. Lower ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-116. Upper ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U	PCTEST Prout to be part of @wikement	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	Test Dates:         EUT Type:           3/26/2021 - 6/11/2021         Portable Handset		Page 84 of 152
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Plot 7-117. Lower ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-118. Upper ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-119. Lower ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - SRS-1)



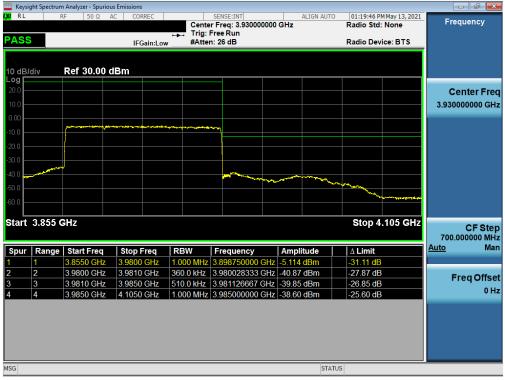
Plot 7-120. Upper ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-121. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-2)



Plot 7-122. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-2)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	rum Analyzer - Spuri	ous Emissions								
ASS	RF 50 Ω			Trig: I	SENSE:INT r Freq: 3.75000 Free Run n: 26 dB	0000 GH	ALIGN AUTO	01:34:29 P Radio Std Radio Dev		Frequency
10 dB/div	Ref 30.00									
20.0 10.0 0.00										Center Fre 3.750000000 GH
20.0										
30.0 40.0		مر الم	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	manan						
50.0 60.0										
start 3.57	5 GHz							Stop 3	.825 GHz	CF Ste 700.000000 MH
Spur   Rang	ge   Start Freq	Stop Fr		RBW	Frequency		mplitude	∆ Limit		<u>Auto</u> Ma
1	3.5750 GHz				3.686400000			-23.47 dE		
2	3.6950 GHz				3.696600000			-26.73 dE		Freq Offse
3	3.6990 GHz				3.699423333			-27.76 dE		0
4	3.7000 GHz	3.8250 0	GHz 1	000 MHz	3.757083333	GHz -1.	611 dBm	-27.61 dE		UF

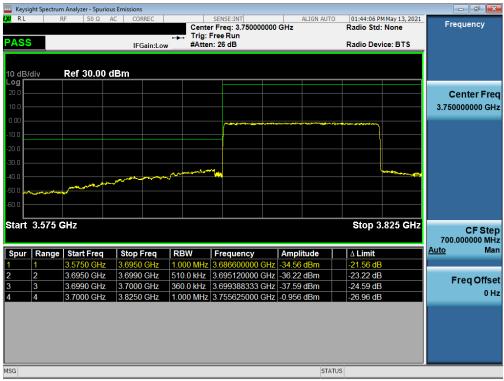
Plot 7-123. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-3)



Plot 7-124. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-3)

FCC ID: A3LSMF926U	PCTEST Proud to be part of @ element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-125. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-4)

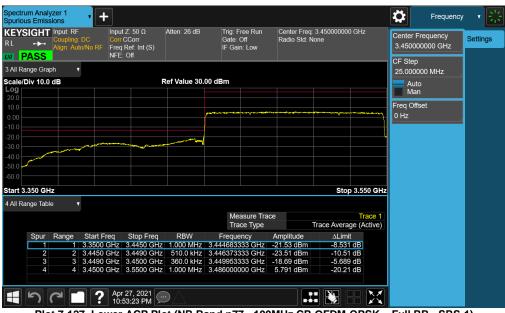


Plot 7-126. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-4)

FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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## NR Band n77 – DoD Band – SRS-1



Plot 7-127. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK – Full RB - SRS-1)



Plot 7-128. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - SRS-1)

FCC ID: A3LSMF926U	Post of Belever	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	Input: RF Coupling: Align: Aut	DC Corr	CCorr Ref: Int (S)	Atten: 26 dB	Gate:	Free Run Off in: Low		er Freq: 3 o Std: No	3.450000000 GI ne	Hz		Frequency 00000 GHz	Setting
I Range Gra	iph 🔻										CF Step	000 MHz	
le/Div 10.0			F	ef Value 30.	00 dBm						22.500		
g											Ma		
0											Freq Of	iset	1
					/***************		****			η	0 Hz		
										_			
.0													
rt 3.350 GI	47								Stop 3	550 GHz			
II Range Tab									etop o				
ii Ranye tal						easure Tra				Trace 1			
						asure fra ace Type	ice	Tr	race Average				
Spur	Range	Start Freq	Stop Freq	RBW	Frequ		Ampli		∆Limit				
1		3.3500 GHz							-9.970 dE				
2		3.4450 GHz 3.4490 GHz							-11.24 dE -8.607 dE				_
- 3		3.4490 GHZ 3.4500 GHZ							-8.007 dE				

Plot 7-129. Lower ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - SRS-1)

Spectrum Analyzer 1 Spurious Emissions					Frequency	- 米				
KEYSIGHT         Input: RF         Input Z: 50 Ω           RLT         ←         Coupling: DC         Corr CCorr           Align: Auto/No RF         Freq Ref: Int (S)         NFE: Off	Atten: 26 dB	Trig: Free Run Gate: Off IF Gain: Low	Center Freq: 3.5500 Radio Std: None	00000 GHz	Center Frequency 3.550000000 GHz	Settings				
3 All Range Graph	Range Graph v									
Scale/Div 10.0 dB	Ref Value 30.00 d	IBm			Auto Man					
20.0					Freq Offset 0 Hz					
-10.0 -20.0 -30.0										
-40.0 -50.0 -60.0										
-00.0 Start 3.450 GHz				Stop 3.650 GHz						
4 All Range Table										
		Measure Trac Trace Type	-	Trace 1 Average (Active)						
Spur Range Start Freq Stop Fre				∆Limit 22.39 dB						
2 2 3,5500 GHz 3,5510 G 3 3 3,5510 GHz 3,5550 G 4 4 3,5550 GHz 3,6500 G	Hz 360.0 kHz 3.5 Hz 510.0 kHz 3.5	50836667 GHz 52746667 GHz	-20.17 dBm - -23.73 dBm -	7.170 dB 10.73 dB 10.21 dB						
4pr 27, 2021 11:33:27 PM	$\square$									

Plot 7-130. Upper ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - SRS-1)

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YSIGH1	Input: RF Coupling: Align: Au		CCorr Ref: Int (S)	Atten: 26 dB	Gate:	Free Run Off in: Low		r Freq: 3 Std: Noi	.450000000 ne	GHz	3.4500	Frequency 00000 GHz	Settin
Range Gra	ioh v	,									CF Step	o 000 MHz	
e/Div 10.0			F	Ref Value 30.0	00 dBm						20.000		
											Ma		
											Freq Of	fset	1
									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		0 Hz		
)													
)													
t 3.350 GI	łz								Stop	3.550 GHz			
Range Tab	le 🖪	·											
						easure Tra	ce			Trace 1			
_	_					асе Туре			ace Averag				
Spur 1	Range	Start Freq 3.3500 GHz	Stop Freq 3 4450 GHz	RBW	Frequ		Amplitu		∆Limit -10.36				
2	2	3.4450 GHz							-11.83				
3		3.4490 GHz							-6.084				
4	4	3.4500 GHz	3.5500 GHz	1.000 MHz	3.489833	333 GHz	3.876 (	BM	-22.12	aв			

Plot 7-131. Lower ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - SRS-1)

Spectrue Spurious	s Emiss	ions	• +								\$	Frequency	· *
RLT	IGHT ++- ASS	Input: RF Coupling: Align: Au		CCorr Ref: Int (S)	Atten: 26 dB	Trig: F Gate: IF Gai		Center Freq: Radio Std: N	3.550000000 one	GHz		Frequency 00000 GHz	Settings
3 All Rar		oh 🖷									CF Step 20.000	000 MHz	
Scale/D	iv 10.0	dB		F	Ref Value 30.0	00 dBm					Aut Ma		
20.0											Freq Of 0 Hz	iset	
-10.0 -20.0 -30.0	aan da yaa da ka					and an and a second	t	********					
-40.0 -50.0 -60.0										******			
Start 3.4							1		Stop	3.650 GHz			
4 All Rar	ige labi	e v					asure Trac			Trace 1			
	•	_		o	0.014		се Туре		Trace Averag				
	Spur 1	Range	Start Freq	Stop Freq 3.5500 GHz	RBW	Freque		Amplitude 3.995 dBm	∆Limit -22.00				
	2			3.5510 GHz					-22.00				
	3			3.5550 GHz					-11.12				
	4	4	3.5550 GHz	3.6500 GHz	1.000 MHz	3.5584833	33 GHz	-23.38 dBm	-10.38	dB			
	5	2	<b>?</b> Ap 12	r 28, 2021 :01:10 AM									

Plot 7-132. Upper ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - SRS-1)

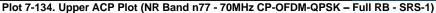
FCC ID: A3LSMF926U		PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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	nput: RF Coupling: DC Jign: Auto	Input Z: Corr CC Freq Re NFE: O	Corr ef: Int (S)	Atten: 26 dB	Gate	Free Run : Off iin: Low		Freq: 3.4 Std: None	50000000	GHz		requency 00000 GHz	Setting
l Range Graph	•											0000 MHz	
le/Div 10.0 d	B		R	ef Value 30.0	00 dBm						Aut Ma		
0 0 0				,							Freq Off 0 Hz		
0													
									Lemen				
0		- Contraction of the second se		i i									
t 3.350 GHz									Stop	3.550 GHz			
Range Table	T				54	easure Trac	20			Trace 1			
						ace Type		Trac	ce Averag	e (Active)			
Spur F			Stop Freq	RBW 1.000 MHz	Frequ		Amplitud		∆Limit -13.32				
2				510.0 kHz					-13.32				
3 4				360.0 kHz 1.000 MHz			-25.25 d 3.538 d		-12.25 -22.46				

Plot 7-133. Lower ACP Plot (NR Band n77 - 70MHz CP-OFDM-QPSK - Full RB - SRS-1)





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Range Graph le/Div 10.0 dB Ref Value 30.00 dBm Auto Man Freq Offset 1.5.00000 MHz Auto Man Freq Offset 0 Hz Stop 3.550 GHz Range Table Measure Trace Trace 1 Trace Type Trace Average (Active)		Input: RF Coupling: Align: Aut	DC Con o/No RF Free	nt Z: 50 Ω °CCorr η Ref: Int (S) :: Off	Atten: 26 dB	Gate:	Free Run Off in: Low	Center Fred Radio Std: I	1: 3.45000000 None	U GHZ		Frequency 00000 GHz	Settin
And Trace Trace Trace 1	nge Gra	ph 🔻											
Sasso GHz Stop 3.550 GHz Range Table	0iv 10.0	dB		F	Ref Value 30.0	00 dBm					Aut	0	
Freq Offset 0 Hz Freq Offset 0 Hz Freq Offset 0 Hz Freq Offset 0 Hz											Mai	р р	
3.350 GHz Stop 3.550 GHz Range Table											Freq Off	set	
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3.350 GHz Stop 3.550 GHz Range Table V Measure Trace Trace 1	-	7	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~										
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Measure Trace 1									Stop	p 3.550 GHz			
	nge Tabl	e v											
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Spur Range Start Freq Stop Freq RBW Frequency Amplitude ∆Limit 1 1 3.3500 GHz 3.4450 GHz 1.000 MHz 3.444841667 GHz -23.15 dBm -10.15 dB	Spur												
2 2 3.4450 GHz 3.4490 GHZ 1.000 MHZ 3.4449(30) GHZ 2.23.15 dBin -10.15 dBi	2												
3 3 3.4490 GHz 3.4500 GHz 360.0 kHz 3.449983333 GHz -18.66 dBm -5.661 dB	3	3	3.4490 GHz	3.4500 GHz	360.0 kHz	3.449983	333 GHz	-18.66 dBm	-5.661	1 dB			
4 4 3.4500 GHz 3.5500 GHz 1.000 MHz 3.485166667 GHz 7.440 dBm -18.56 dB	4	4	3.4500 GHz	3.5500 GHz	1.000 MHz	3.485166	667 GHz	7.440 dBm	-18.56	6 dB			

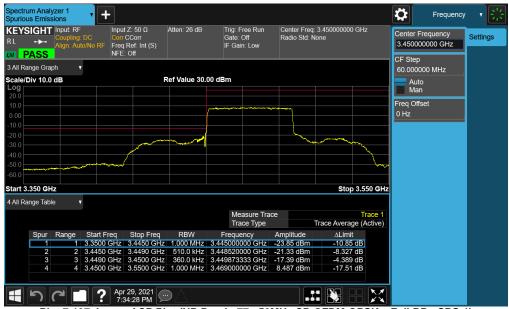
Plot 7-135. Lower ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-136. Upper ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - SRS-1)

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Plot 7-137. Lower ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - SRS-1)



Plot 7-138. Upper ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - SRS-1)

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