

Spectru Occupi	um Analy ed BW	zer 1	•	+										₽	Frequency	• • 影
RL	Align: Auto Freq Ref: Int (S					Gate: Off A						2.59302000 0/100 one) GHz		Frequency 020000 GHz	Settings
1 Grapi	h	,		INFL. OI										Span 200.0	0 MHz	
	Div 10.0	dB				Ref Value 40.	00 dBn	n								
Log 30.0														CF Ste 20.00	ep 0000 MHz	
20.0 10.0					maship	+minoralylability	ululum Whenfor	yl-ryNje							uto	
0.00										\				IM	lan	
-10.0										<u> </u>				Freq C	Offset	
-20.0	unionala	mailenter	What have	-AMAGAAAA						maria	holes	mallalyzet	n a Addita	0 Hz		
-30.0												and a state of a	N And Co. 1949-9-64			
-40.0																
Contor	2.5930	CH7			#1	Video BW 6.0	000 MI	-1				- En	an 200 MHz			
	N 1.8000						000 111	12			Swe		s (1001 pts)			
2 Metrie	cs	,	7													
	Occup	oied Band							_							
			77.76	5 MHz				Fotal	Power			30.3 di	_			
		mit Freq I			262.41 kH				OBW Powe	r		99.00				
	x dB E	Bandwidth	h		81.93 MH	Z)	k dB				-26.00	dB			
	5			Oct 10 8:29:4	, 2022 44 PM						÷					

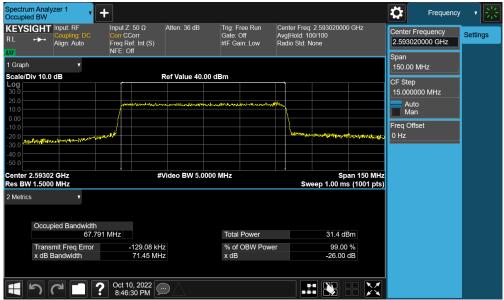
Plot 7-85. Occupied Bandwidth Plot (NR Band n41 - 80MHz 16-QAM - Full RB - Ant F)



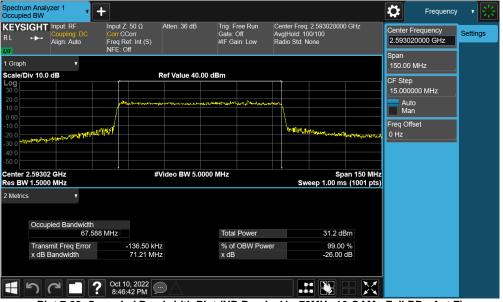
Plot 7-86. Occupied Bandwidth Plot (NR Band n41 - 70MHz π/2 BPSK - Full RB - Ant F)

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Plot 7-87. Occupied Bandwidth Plot (NR Band n41 - 70MHz QPSK - Full RB - Ant F)



Plot 7-88. Occupied Bandwidth Plot (NR Band n41 - 70MHz 16-QAM - Full RB - Ant F)

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Spect Occup			er 1	•	+										\$	Frequen	cy 🔹 🗦	
RL	SIGI ↔	C	nput: RF oupling: lign: Aut		Input Z Corr CC Freq R NFE: C	Corr ef: Int (S)	Atten: 32 dB	G	ate: O	ee Run)ff n: Low	Center Avg Ho Radio	old: 10		0 GHz		Frequency 020000 GHz	Settings	
1 Gra	oh		•	1	NI E. C	~									Span 150.00	0 MHz		
Scale	/Div 1	0.0 d	в			. 1	Ref Value 40.	.00 dBn	n						CF Ste	N		
Log 30.0																고 2000 MHz		
20.0							alilian sander inan	with any with		u-maintach.					L	uto		
10.0						1										an		
0.00						1									Freq O)ffset	-	
-20.0					(1				0 Hz			
	whether.	withter	ralmant/	howard	waynall						776	Marchan	mander working	for the second second				
-40.0																		
-50.0																		
Cente Res E						#	Video BW 5.0	0000 MH	łz			Sw		an 150 MHz s (1001 pts)				
2 Met			,	7									_	· · · /				
	0	cunie	ed Band	width														
		Joupic			13 MHz			1	Fotal F	Power			32.6 d	Bm				
	Tr	ansmi	it Freq I	Error		-3.278 kH	Z	0	% of C	DBW Powe	er		99.00) %				
			ndwidth			61.45 MH			dB				-26.00					
	5) (0, 2022 43 PM												

Plot 7-89. Occupied Bandwidth Plot (NR Band n41 - 60MHz π/2 BPSK - Full RB - Ant F)



Plot 7-90. Occupied Bandwidth Plot (NR Band n41 - 60MHz QPSK - Full RB - Ant F)

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Spectrue Occupie		zer 1	•	+											Frequency	- 7 😤
RL	IGHT	Input: RF Coupling: Align: Au		Input Z: Corr CC Freq Re NFE: Of	orr f: Int (S)	Gate: Off A					er Freq: Hold: 10 o Std: N) GHz		r Frequency 020000 GHz	Settings
1 Graph		,		NFL. OI	•									Span 150.0	0 MHz	
Scale/D	0iv 10.0	dB				Ref Value 40	.00 dBi	m						CF Ste		
Log 30.0															-р 0000 MHz	
20.0																
10.0					e-marte	ware and the second	man	-lonestand	- In the second second						uto Ian	
0.00				/												
-10.0										4				Freq C	Offset	
-20.0	molecture	المعادر المراسلون	Mander	manand						Heale	Martinet,	www.www.weigenetics.pt	Martinen	0 Hz		
-30.0																
-40.0 -50.0																
Center	0 50000					Video BW 5.0	000 14									
Res BW					#	VIGEO BVV 5.0		HZ			Sw		an 150 MHz s (1001 pts)			
											Cill		/ (100 F pto)			
2 Metrics	s															
	Occup	ied Banc	dwidth													
				5 MHz				Total	Power			31.7 dE	Bm			
	Transi	mit Freq I	Error		126.86 kH	z		% of (OBW Powe	er		99.00	%			
		Bandwidti			61.60 MH			x dB				-26.00				
				_												
	5 (Oct 10 9:03:2	, 2022 3 PM											

Plot 7-91. Occupied Bandwidth Plot (NR Band n41 - 60MHz 16-QAM - Full RB - Ant F)



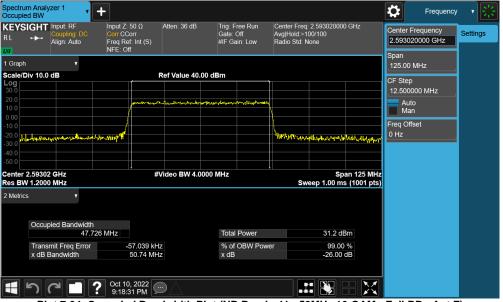
Plot 7-92. Occupied Bandwidth Plot (NR Band n41 - 50MHz π/2 BPSK - Full RB - Ant F)

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Occup	rum Ana bied BW	r -		•	+									\$	Frequency	- 7 影
RL	SIGH ↔		put: RF oupling lign: Au		Input Z: 5 Corr CCo Freq Ref NFE: Off	orr f: Int (S)	Atten: 36 dB	Ga	ig: Free F ate: Off F Gain: L		Center Fre Avg Hold:> Radio Std:		000 GHz		Frequency 20000 GHz	Settings
LXI 1 Gra			,	'	NFL. OI									Span 125.00	MHz	
	/Div 10	.0 d	В			F	Ref Value 40.	00 dBm						CF Step	,	
Log 30.0															000 MHz	
20.0						م م الم	***	ميليهارالاسر	الريام وحادر ال	uman				Au	to	
10.0					(Ma		
0.00					/									Freq Of	fset	
-20.0			the set of or	the settleters of	mondante						human	u a ambahah a	Maryan	0 Hz		
-30.0	walder of the	(Weiner)	Lefter 15.416	100000000000000	and a defense of the								and all the Coloradian of			
-40.0 -50.0																
	er 2.593 3W 1.20					#\	/ideo BW 4.0	000 MH	z				Span 125 MHz ms (1001 pts)			
		00 1										weep 1.00	ins (1001 pts)			
2 Met	rics		1													
	Occ	upie	d Band	lwidth												
				47.80	8 MHz			Т	otal Pow	/er		31.4	dBm			
	Tra	nsmi	t Freq	Error	-1	14.797 kHz	z	%	6 of OBV	V Powe	r	99.	00 %			
	x di	3 Bai	ndwidtl	h		50.76 MH:	Z	x	dB			-26.0	00 dB			
	5	(Oct 10 9:18:2											

Plot 7-93. Occupied Bandwidth Plot (NR Band n41 - 50MHz QPSK - Full RB - Ant F)



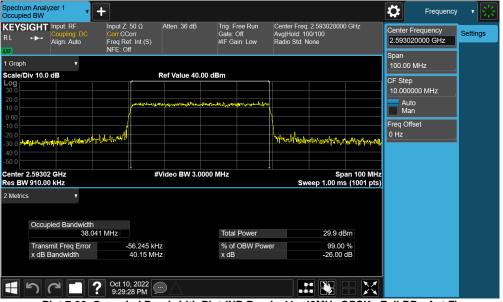
Plot 7-94. Occupied Bandwidth Plot (NR Band n41 - 50MHz 16-QAM - Full RB - Ant F)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Spect Occup	rum Ana bied BW	lyze	er 1	•	+											₽	Frequency	- " 影
RL	'SIGH' ↔		put: RF pupling: ign: Aut		Input Corr Freq NFE:	CCo Ref:	rr Int (S)	Atten: 36 dB		Gate:	ree Run Off ain: Low		Center Freq Avg Hold: 10 Radio Std: N		0 GHz		Frequency 20000 GHz	Settings
1 Gra			Ţ		NFE.	UII										Span 100.00	MHz	
	/Div 10.	0 dE	3					Ref Value 40	.00 di	Зm						CF Step	, ,	
Log 30.0																	000 MHz	
20.0							መምምምም	Malanawant	A.	martin	myanyan	_				Au	to	
10.0 0.00						1						l				Ma	in	
-10.0						4						I)				Freq Of	fset	
-20.0						N						H.		walthanter		0 Hz		
	the preserve	white,	www	servel.	have a starting	~							an reading the second	An Phan and the second s	Margan and the Area Area Area Area Area Area Area Are			
-40.0 -50.0																		
	er 2.5930	02.0				ļ		/ideo BW 3.0	2000			!			an 100 MHz			
	BW 910.0						#1		00001	에머스			Sw		s (1001 pts)			
2 Met	rics																	
_																		
	Occi	upie	d Band		83 MHz					Tetal	Power			32.4 d	2			
			t Freq E ndwidth				1518 MHz 88.61 MHz			% of x dB	OBW P	owe	r	99.00 -26.00				
	X UB	Dai	luwiuli	1				2		X UD				-20.00	uв			
	5	?					2022 9 PM											

Plot 7-95. Occupied Bandwidth Plot (NR Band n41 - 40MHz π/2 BPSK - Full RB - Ant F)



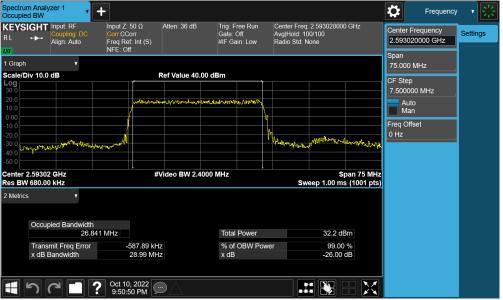
Plot 7-96. Occupied Bandwidth Plot (NR Band n41 - 40MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Spectr Occup	um Analy ied BW	/zer 1	+							Frequency	- * 宗
RL	SIGHT +→-	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S NFE: Off	Atten: 36 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fr Avg Hold: Radio Std		θHz		Frequency 020000 GHz	Settings
LxI 1 Grap		T							Span 100.00) MHz	
Scale/ Log 30.0 20.0	Div 10.0	dB		Ref Value 40.0	00 dBm				CF Ste 10.000	0000 MHz	
10.0 0.00 -10.0								1.1 m - r	Freq O 0 Hz	an	
-20.0 -30.0 -40.0 -50.0	nperventil	noother and marketing	Jeruk/14/14/1			a survey where	****	muthikasi	0112		
	2.59302 W 910.00			#Video BW 3.00	000 MHz		Span Sweep 1.00 ms (100 MHz 1001 pts)			
2 Metri	cs	v									
	Occup	bied Bandwidth 38.	1 115 MHz		Total Power		31.2 dBm	1			
		mit Freq Error 3andwidth	20.565 40.32 I		% of OBW Po x dB	wer	99.00 % -26.00 dB				
	5		Oct 10, 2022 9:29:38 PM	$\bigcirc \bigtriangleup$				X			

Plot 7-97. Occupied Bandwidth Plot (NR Band n41 - 40MHz 16-QAM - Full RB - Ant F)



Plot 7-98. Occupied Bandwidth Plot (NR Band n41 - 30MHz π/2 BPSK - Full RB - Ant F)

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Spectr Occup	um Analy ied BW	/zer 1	• +										Frequency	- * 宗
RL	SIGHT • → ••	Input: RF Coupling: D Align: Auto		orr af: Int (S)	Atten: 36 dB	Ga	g: Free Run te: Off Gain: Low	Av	enter Freq: g Hold:≻1/ adio Std: N		0 GHz	2.593	r Frequency 020000 GHz	Settings
1 Grap		•	I		1							Span 75.00	0 MHz	
	Div 10.0	dB			Ref Value 40.0	00 dBm		.				CF Ste	эр	
Log 30.0												7.500	000 MHz	
20.0 10.0				franspor	- marine	a show why	and Musin provides						uto Ian	
0.00				/				N.				Freq C		
-10.0 -20.0			A AND THE AND A AND A					M	hour			0 Hz	Jiiset	
-30.0	mathere	alexespek and the	niwarennary							matchenner	Muniquenn	_		
-40.0 -50.0														
Cente	r 2.5930	2 GHz		#	Video BW 2.4	000 MH:	2	1		S	pan 75 MHz			
Res B	W 680.0) kHz							Sw		s (1001 pts)			
2 Metri	cs	•												
	Occu	bied Bandw												
			28.017 MHz				otal Power			31.6 dl				
		mit Freq Er Bandwidth	ror -	73.919 kH 30.33 MH			of OBW Pov dB	ver		99.00 -26.00				
	- uD I	Junawidun		00.00 1011	-	^				-20.00				
	5	C		0, 2022 28 PM										

Plot 7-99. Occupied Bandwidth Plot (NR Band n41 - 30MHz QPSK - Full RB - Ant F)



Plot 7-100. Occupied Bandwidth Plot (NR Band n41 - 30MHz 16-QAM - Full RB - Ant F)

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Spectrue Occupie		zer 1	•	+											₽	Frequency	• • 影
RL	IGHT ↔	Input: RF Coupling Align: Au		Con Free	t Z: 5 CCo Ref: Off	rr : Int (S)	Atten: 36 dB		Gate:	Free Run Off ain: Low		Center Freq Avg Hold: 10 Radio Std: N		0 GHz		r Frequency 020000 GHz	Settings
1 Graph	_		v	NFE	.: Uli										Span _50.00	0 MHz	
Scale/D	0iv 10.0	dB					Ref Value 4	0.00 di	Bm								
Log 30.0						Í									CF Ste 5.000	ep 1000 MHz	
20.0 10.0 0.00					/		******	~~~~~~	-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	لسي يه حط ويوه حيد و						uto Ian	
-10.0					Å						٩	1			Freq C	Offset	1
-20.0			whom.	~~~	ł							hurrow	mouthing	man and and and and and and and and and a	0 Hz		
-40.0	"National"	Que -		and the													
-50.0																	
Center						#`	/ideo BW 1	.5000	MHz		•			pan 50 MHz			
Res BW	470.00	kHz										Sw	eep 1.00 m	s (1001 pts)			
2 Metrics	s		•														
	Occup	ied Ban	dwidth														
				00 MHz					Total	l Power			33.5 dl	Зm			
		mit Freq				36.47 kH				OBW Po	we	r	99.00				
	x dB E	Bandwidt	h		1	9.69 MH	Z		x dB				-26.00	dB			
	5					2022 4 PM											

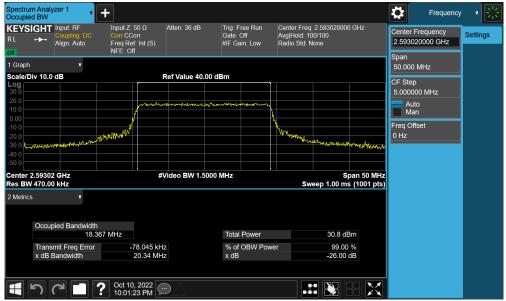
Plot 7-101. Occupied Bandwidth Plot (NR Band n41 - 20MHz π/2 BPSK - Full RB - Ant F)



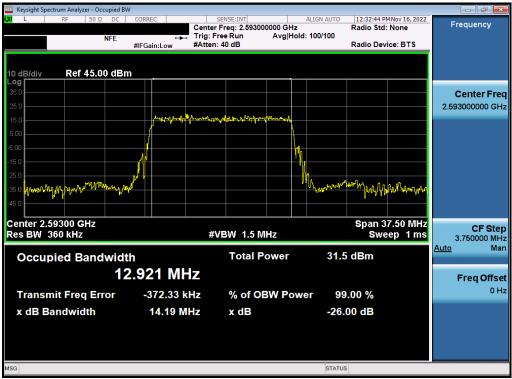
Plot 7-102. Occupied Bandwidth Plot (NR Band n41 - 20MHz QPSK - Full RB - Ant F)

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Plot 7-103. Occupied Bandwidth Plot (NR Band n41 - 20MHz 16-QAM - Full RB - Ant F)



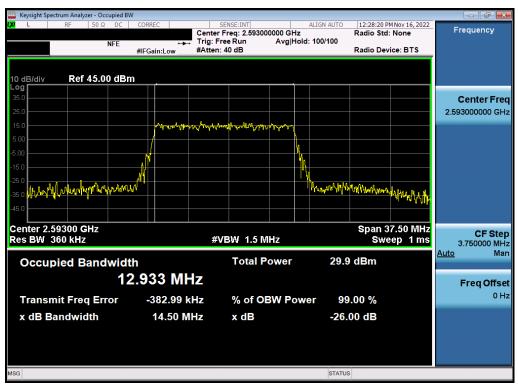
Plot 7-104. Occupied Bandwidth Plot (NR Band n41 - 15MHz π/2 BPSK - Full RB - Ant F)

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🔤 Keysight Spectrum Analyzer - Occu	ipied BW				
LXI L RF 50 Ω	FE Tri			M Nov 16, 2022 : None	Frequency
	#IFGain:Low #A	tten: 40 dB	Radio Dev	vice: BTS	
10 dB/div Ref 45.00	dBm				
35.0					Center Freq
25.0					2.593000000 GHz
15.0	An Anti the second	๛๛๚๚๛๛			
5.00	a traffately and	uros (140 data ran p.) dalar sof			
-5.00					
-15.0					
-25.0 ADJ. ALIANNA	Land Land		Maladalla		
-35.0			· · · · · · · · · · · · · · · · · · ·	and Mr. Altre A	
-45.0					
Center 2.59300 GHz			Enon 2	7.50 MHz	
Res BW 360 kHz		#VBW 1.5 MHz		ep 1 ms	CF Step 3.750000 MHz
		Total Power	28.9 dBm		<u>Auto</u> Man
Occupied Bandy		Total Fower	20.9 UBIII		
	13.662 MHz				Freq Offset
Transmit Freq Erro	or -21.397 kHz	% of OBW Pov	ver 99.00 %		0 Hz
x dB Bandwidth	15.19 MHz	x dB	-26.00 dB		
	15.15 MI12		-20.00-010		
MSG			STATUS		

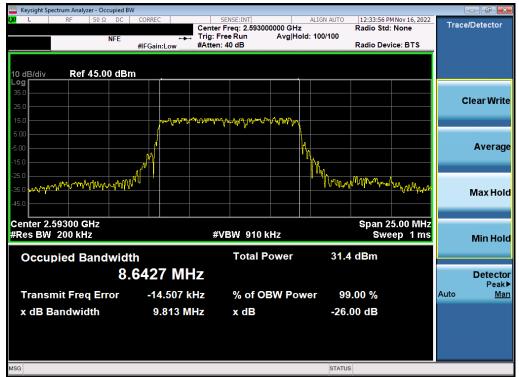
Plot 7-105. Occupied Bandwidth Plot (NR Band n41 - 15MHz QPSK - Full RB - Ant F)



Plot 7-106. Occupied Bandwidth Plot (NR Band n41 - 15MHz 16-QAM - Full RB - Ant F)

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Plot 7-107. Occupied Bandwidth Plot (NR Band n41 - 10MHz π/2 BPSK - Full RB - Ant F)



Plot 7-108. Occupied Bandwidth Plot (NR Band n41 - 10MHz QPSK - Full RB - Ant F)

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Keysight Spectrum Analyzer -	Occupied BW				
L RF 5	0 Ω DC CORREC	SENSE:INT	ALIGN AUTO	12:35:02 PM Nov 16, 2022	Trace/Detector
		Center Freq: 2.59300 Trig: Free Run	0000 GHz Avg Hold: 100/100	Radio Std: None	Trace/Detector
	NFE #IEGain:Low	· · · · · · · · · · · · · · · · · · ·	Avginola. 100/100	Radio Device: BTS	
	In Gam.eou				
	5.00 dBm				
Log 35.0					
					Clear Write
25.0					orear write
15.0	N	www.wargenandan	Dubna - A		
5.00		and and a second se	- AND		
	/ / ·				Average
-5.00	l l l l l l l l l l l l l l l l l l l				Average
-15.0	a Bhlai		I halles		
-25.0 + ++++++++++++++++++++++++++++++++++	7846, 1, 1, 1, 1, 1, 1, 1, 1		N	NAAA AA	
			4 · 104 A	WWW MUNICAMAN	
					Max Hold
-45.0					
Center 2.59300 GHz	7			Span 25.00 MHz	
#Res BW 200 kHz	Ĺ.	#VBW 910 k	47	Sweep 1 ms	
#Res DW 200 KHZ		#VDVV STOR	112	Sweep This	Min Hold
Occupied Bar	adwidth	Total P	ower 28.3	dBm	
Occupied Bar			20.3	(IBIII	
	8.6323	ИНz			Detector
					Peak►
Transmit Freq E	Error -33.39	9 kHz % of OE	SW Power 99	.00 %	Auto <u>Man</u>
x dB Bandwidth	0.41	/MHz xdB	-26	00 dB	
	5.41		-20.	UU UB	
MSG			STATUS		
			STATUS		

Plot 7-109. Occupied Bandwidth Plot (NR Band n41 - 10MHz 16-QAM - Full RB - Ant F)

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NR Band n41 – Ant B

Spectrum Analyzer 1 Dccupied BW + \mathbf{Q} Frequency Center Freq: 2.593000000 GHz Avg|Hold: 100/100 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF Atten: 36 dB Center Frequency Settings 2.593000000 GHz Align: Auto 1 Graph . 250.00 MHz Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 25.000000 MHz Auto Man Freq Offset 0 Hz Center 2.5930 GHz Res BW 2.4000 MHz #Video BW 8.0000 MHz Span 250 MHz Sweep 1.00 ms (1001 pts) 2 Metrics v Occupied Bandwidth 96.874 MHz Total Power 28.8 dBm Transmit Freq Error x dB Bandwidth -719.84 kHz 102.4 MHz % of OBW Power x dB 99.00 % -26.00 dB E C C C C 11, 2022 \mathbb{X}

Plot 7-110. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant B)

Spectrum Occupied	n Analyzer 1 d BW	+							\$	Frequenc	· · · 😤
RL	GHT Input: RF ← Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 36 dB	Gate: (ree Run Off iin: Low	Center Freq: Avg Hold:>1 Radio Std: N		GHz		Frequency 00000 GHz	Settings
LN 1 Graph	v iv 10.0 dB		Ref Value 40.0						Span 250.00	MHz	
Log 30.0 20.0				оавт						000 MHz	
10.0 0.00 -10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- Change and a land	an alfan a daaraan dahayay	tuthy non-Parlange				Aut Ma	n	
00.0	an a	letter produced				lenne	und the grantest and the second	مرجورا وراغ مرجو	0 Hz		
-50.0 Center 2	2.5930 GHz		Video BW 8.00	000 MHz				an 250 MHz			
Res BW 2 Metrics	2.4000 MHz					Sw	eep 1.00 ms	(1001 pts)			
	Occupied Bandwidth	i 964 MHz		Total	Power		28.3 dB				
	Transmit Freq Error x dB Bandwidth	-901.10 kH 102.3 MH			OBW Pow	er	99.00 -26.00 c	%			
		• Oct 11, 2022									
الك		7:11:24 PM									

Plot 7-111. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT			
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Spectru Occupie	im Analyz ed BW	er 1 🗸	+									Frequency	- * ※
RL		nput: RF Coupling: DC Align: Auto	Input Z: Corr CC Freq Re NFE: O	Corr ef: Int (S)	Atten: 36 dB	Gate	Free Run : Off Bain: Low	Center Fre Avg Hold: Radio Std:		0 GHz		Frequency 000000 GHz	Settings
1 Graph		۲									Span _250.0	0 MHz	
	Div 10.0 d	B		F	Ref Value 40.	00 dBm					CF Ste	en la	
Log 30.0												0000 MHz	
20.0 10.0 0.00				prosent and a second	hadent Wondwilligenergy agenergy	a an	andt Water and Perlow	\				uto lan	
-10.0								1			Freq C	Offset	
-20.0		امريين والمحمد ومريا والمرا	monormall					Heldenerma	مروسية المروسية (100 مروسية 100 م		0 Hz		
-40.0													
-50.0													
	2.5930 G			#\	/ideo BW 8.0	000 MHz				an 250 MHz			
	V 2.4000							S	weep 1.00 m	s (1001 pts)			
2 Metric		•											
	Occupie	ed Bandwidt											
		97.	013 MHz			Tota	al Power		27.4 df	Bm			
		it Freq Error		724.83 kHz			of OBW Powe	er	99.00				
	x dB Ba	andwidth		102.3 MHz	Z	x di	3		-26.00	dB			
	5		? Oct 11 7:11:4	I, 2022 40 PM									

Plot 7-112. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT				
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NR Band n41 – Ant E

EYSIGHT Input: RF L +++ Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 40 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.593000000 GHz Avg Hold: 100/100 Radio Std: None	Center Frequency 2.593000000 GHz Span	Setting
Graph v			=		250.00 MHz	
sale/Div 10.0 dB 90 0.0 0.0 0.0 0.0		Ref Value 40.00	0 dBm		CF Step 25.000000 MHz Auto Man	
					Freq Offset 0 Hz	
enter 2.5930 GHz es BW 2.4000 MHz		Video BW 8.000	00 MHz	Span 250 Sweep 1.00 ms (1001		
Metrics v						
Occupied Bandwidth 96.78	5 MHz		Total Power	25.4 dBm		
Transmit Freq Error x dB Bandwidth	-804.36 kH 102.5 MH		% of OBW Pow x dB	ver 99.00 % -26.00 dB		

Plot 7-113. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant E)

Spectrum Analyzer 1 Occupied BW	+				Frequency 🔹
R L Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 40 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.593000000 GHz Avg Hold: 100/100 Radio Std: None	Center Frequency 2.59300000 GHz
1 Graph				L	Span 250.00 MHz
Scale/Div 10.0 dB Log 30.0 20.0 10.0	Juliationation	Ref Value 40.00) dBm		CF Step 25.000000 MHz Auto Man
0.00 -10.0 -20.0 -30.0 -40.0	Allestow			har bareful derer anderer faller der ander	Freq Offset 0 Hz
-50.0 Center 2.5930 GHz Res BW 2.4000 MHz	#	Video BW 8.000	00 MHz	Span 250 Sweep 1.00 ms (1001	
2 Metrics v					
Occupied Bandwidth 97.47	6 MHz		Total Power	25.1 dBm	
Transmit Freq Error x dB Bandwidth	-153.70 kH 103.3 MH		% of OBW Pow x dB	er 99.00 % -26.00 dB	
1 5722	Oct 12, 2022 6:51:15 PM				

Plot 7-114. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant E)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT			
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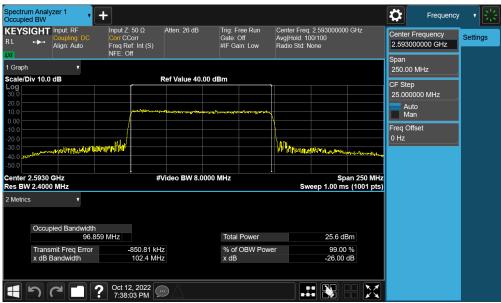
Spectru Occupie	m Analyzer 1 ed BW	• +									\$	Frequency	
RL	IGHT Input: RI Coupling Align: Ar	g: DC Cor uto Free	ut Z: 50 Ω r CCorr a Ref: Int (S) E: Off	Atten: 40 dB	Gate:	iree Run Off ain: Low	Center Avg Ho Radio S	ld: 100) GHz		requency 0000 GHz	Settings
1 Graph		V									Span 250.00 I	MHz	
Scale/I Log 30.0 20.0	Div 10.0 dB			Ref Value 40.00	0 dBm						CF Step 25.0000 Auto		
10.0 0.00 -10.0					Alternen felgeröp.						Man Freq Offs	1	
-20.0 -30.0 -40.0 -50.0	an a						hormon	1,7g-11,9-1		~f~p.k.4/v_4.v.j/kbr	0 Hz		
Center	2.5930 GHz V 2.4000 MHz		. #	Video BW 8.00	00 MHz		4	Swee		an 250 MHz s (1001 pts)			
2 Metric	s	•											
	Occupied Ban	idwidth 98.061 MHz	3		Total	Power			26.0 dE	3m			
	Transmit Freq x dB Bandwid		-140.58 kH 103.5 MH		% of x dB	OBW Pow	er		99.00 -26.00				
	5		t 12, 2022 51:33 PM										

Plot 7-115. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant E)

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NR Band n41 – Ant D



Plot 7-116. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant D)

Spectrum Analyzer 1 Occupied BW				Frequency V
RL + Coupling: DC Align: Auto Free	ut Z: 50 Ω Atten: 26 dB rr CCorr aq Ref: Int (S) E: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.593000000 GHz Avg Hold: 100/100 Radio Std: None	Center Frequency 2.593000000 GHz
1 Graph v		00 -18		Span 250.00 MHz
Scale/Div 10.0 dB	Ref Value 40.			CF Step 25.000000 MHz
20.0 10.0 0.00	and the second s			Auto Man
-10.0	w.l		Unon en question and and a	Freq Offset 0 Hz
-30.0 -40.0 -50.0				
Center 2.5930 GHz Res BW 2.4000 MHz	#Video BW 8.0	000 MHz	Span 250 M Sweep 1.00 ms (1001 p	
2 Metrics v				
Occupied Bandwidth				
98.006 MH:		Total Power	26.7 dBm	
Transmit Freq Error x dB Bandwidth	-231.59 kHz 103.3 MHz	% of OBW Pow x dB	er 99.00 % -26.00 dB	
	ct 12, 2022			
	ct 12, 2022 338:24 PM			

Plot 7-117. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant D)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT			
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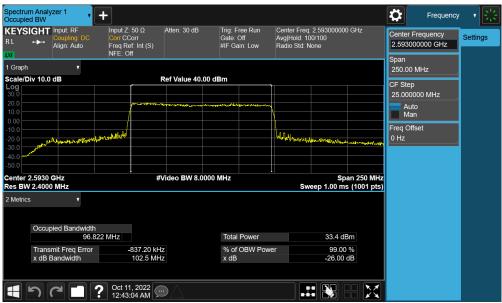
Spectru Occupie	um Analy ed BW	zer 1	+										Frequency	- ※
RL	GHT	Input: RF Coupling: DC Align: Auto		Corr ef: Int (S)	Atten: 26 dB	Gate	: Free Run e: Off Gain: Low	Center Avg Ho Radio	old: 100) GHz	2.593	Frequency 000000 GHz	Settings
1 Graph		•										Span _250.0	0 MHz	
Scale/I Log 30.0	Div 10.0	dB		'	Ref Value 40.	00 dBm		`				CF Ste	•	
30.0													0000 MHz uto	
10.0				provene	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~							an	
-10.0												Freq C 0 Hz	Offset	
-20.0	Marrie Marrie	and the second second	and the second designed						Webs process	ann an ann an	more the marker	UTZ		
-40.0 -50.0														
	2.5930 V 2.4000			, #\	Video BW 8.0	000 MHz		4	Swe		an 250 MHz s (1001 pts)			
2 Metric	s	•												
	Occup	oied Bandwid 97	th .909 MHz			Tot	al Power			27.1 dE	3m			
	Transi	mit Freq Erro		 262.21 kH:	z		of OBW Pow	er		99.00				
	x dB E	Bandwidth		103.6 MH	z	xd	B			-26.00	dB			
E	5			2, 2022 32 PM										

Plot 7-118. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant D)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT				
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NR Band n41– Switching Ant B



Plot 7-119. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant B)

Spectrum Analyzer 1 Occupied BW					Frequency	· · · · · · ·
KEYSIGHT Input: RF Input: 2:50 Ω RL → Coupling: DC Corr CCorr Align: Auto NFE: Off NFE: Off	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.59300000 Avg Hold: 100/100 Radio Std: None	00 GHz	Center Frequency 2.593000000 GHz	Settings
1 Graph v					Span 250.00 MHz	
Scale/Div 10.0 dB	Ref Value 40.00 d				CF Step 25.000000 MHz	
10.0	former of the second	artheanterformagnations and an			Auto Man Freq Offset	
-10.0 -20.0 -30.0			Male and a contraction of the second of the	u.~u.andland	0 Hz	
-40.0 we -50.0 Center 2.5930 GHz	#Video BW 8.0000	MU~		oan 250 MHz		
Res BW 2.4000 MHz	#1020 844 0.0000		Sweep 1.00 m			
2 metrics						
Occupied Bandwidth 98.096 MHz		Total Power	31.5 d	Bm		
Transmit Freq Error-321.53x dB Bandwidth103.5 I		% of OBW Powe x dB	er 99.00 -26.00			
Oct 11, 2022						
12:43:31 AM						

Plot 7-120. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT				
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Spectrur Occupie	m Analyz d BW	zer 1	• +									Frequency	- * 宗
KEYSI RL		Input: RF Coupling: D Align: Auto		Corr ef: Int (S)	Atten: 30 dB	Gate	Free Run Off ain: Low	Center Freq Avg Hold: 10 Radio Std: N		0 GHz		r Frequency 0000000 GHz	Settings
LN 1 Graph		v									Span 250.0	0 MHz	
Scale/D Log 30.0 20.0 10.0 -10.0 -20.0 -30.0			alool/staloor-substalls	protection and the	Ref Value 40.0	00 dBm		Lannada	Ndon,det.pay	1914-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	A	0000 MHz uto lan	
-40.0 -50.0 Center 2 Res BW				#\	/ideo BW 8.0	000 MHz		Sw		an 250 MHz s (1001 pts)			
2 Metrics	\$	۲											
	Occupi	ied Bandwi 9	idth 98.196 MHz			Tota	l Power		32.1 dl	Зm			
		nit Freq Err andwidth	ror	-459.86 kHz 120.6 MHz		% o x dE	f OBW Powe 3	er	99.00 -26.00				
	5)			1, 2022 3:42 AM				l l					

Plot 7-121. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant B)



Plot 7-122. Occupied Bandwidth Plot (NR Band n41 - 90MHz π/2 BPSK - Full RB - Ant B)

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Spectr Occup	um Anal ied BW	yzer 1	• +									Frequency	- * 影
RL	SIGHT ++-	Input: RF Coupling: DC Align: Auto		Corr ef: Int (S)	Atten: 36 dB	Gate	Free Run :: Off Gain: Low	Center Freq Avg Hold: 1 Radio Std: 1		0 GHz		r Frequency 020000 GHz	Settings
1 Grap		*									Span 225.0	0 MHz	
Log 30.0	/Div 10.0				Ref Value 40.	.00 dBm					CF Ste 22.50	ep 10000 MHz	
20.0 - 10.0 - 0.00 -				ann	rl-mara-authoradiya	hadrefane	limmenterior				N	uto Ian	
-10.0 -20.0 -30.0	all shade a ball	manglasson muche	where the first					Maryndry	norman	re, our ly warmen	Freq (0 Hz	Offset	
-40.0 -50.0													
	r 2.5930 W 2.200			#	Video BW 8.0	0000 MHz		Sw		an 225 MHz s (1001 pts)			
2 Metr	ics	v											
	Occu	pied Bandwid 8	ith 7.977 MHz			Tot	al Power		30.3 dl	Зm			
		smit Freq Erro Bandwidth	or -	215.03 kH 92.82 MH		% d	of OBW Pow B	er	99.00 -26.00				
	5	2		1, 2022 04 AM									

Plot 7-123. Occupied Bandwidth Plot (NR Band n41 - 90MHz QPSK - Full RB - Ant B)



Plot 7-124. Occupied Bandwidth Plot (NR Band n41 - 90MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager				
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Spectru Occupie	im Analy. ed BW	zer 1	•	+										\$	Frequency	- 7 😤
RL	GHT	Input: RF Coupling Align: Au			orr f: Int (S)	Atten: 36 dB		Gate: C	ree Run Off in: Low	Center F Avg Holo Radio St	d: 10) GHz		Frequency 020000 GHz	Settings
1 Graph	1	,		NFE: O	Π									Span _200.0	0 MHz	
	Div 10.0	dB				Ref Value 40	.00 dBr	m								
Log 30.0														CF Ste 20.00	p 0000 MHz	
20.0					protocological	mantheman	-	mph	ward and the		_			A	uto	
10.0										1				M	an	
0.00														Freq C	Offset	
			~	m						mar	يسحن	- walking	mal Allel and good	0 Hz		
-30.0	Sub-manual	he water	****	man front												
-40.0																
-50.0																
	2.5930 (V 1.8000				#\	/ideo BW 6.0	0000 M	Hz			•		an 200 MHz			
											SW	eep 1.00 ms	s (1001 pts)			
2 Metric																
	Occup	ied Band	dwidth													
		lea Bain		01 MHz				Total	Power			32.4 dE	Bm			
	Transr	nit Freq	Error		342.76 kH	Z		% of	OBW Powe	er		99.00	%			
		andwidt			81.38 MH			x dB				-26.00				
	5	2		? Oct 11	, 2022 09 AM											

Plot 7-125. Occupied Bandwidth Plot (NR Band n41 - 80MHz π/2 BPSK - Full RB - Ant B)

Graph span Cale/Div 10.0 dB Ref Value 40.00 dBm 00 r************************************	Center Freq: 2.593020000 GHz Avg Hold: 100/100 Radio Std: None	Trig: Free Run Gate: Off #IF Gain: Low	Atten: 36 dB	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Input: RF Coupling: DC Align: Auto	SIGHT .≁
Cr Step 20.00000 MHz 20.00000 MHz 20.00000 MHz 20.00000 MHz 20.00000 MHz Man Freq Offset 0 Hz Sweep 1.00 ms (1001 pts) Metrics	Span 200.00 MHz				•	
Occupied Bandwidth Cocupied Bandwidth		3m	Ref Value 40.00 c		dB	/Div 10.0
000 000 <td>Auto</td> <td>esentationan Canada ann dh'an Alta I</td> <td>manghan-reponsibilities and and a</td> <td>presente</td> <td></td> <td></td>	Auto	esentationan Canada ann dh'an Alta I	manghan-reponsibilities and and a	presente		
0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				portorionando	militaria	and the second
es BW 1.8000 MHz Sweep 1.00 ms (1001 pts) Metrics Coccupied Bandwidth						
Occupied Bandwidth		MHz	#Video BW 6.0000			
					▼ pied Bandwidth	
	30.0 dBm	Total Power				
Transmit Freq Error -428.96 kHz % of OBW Power 99.00 % x dB Bandwidth 81.81 MHz x dB -26.00 dB						

Plot 7-126. Occupied Bandwidth Plot (NR Band n41 - 80MHz QPSK - Full RB - Ant B)

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Spect Occup	rum Anal bied BW	yzer 1 🔻	+									Frequency	- * 宗
RL	SIGHT ++•	Input: RF Coupling: DC Align: Auto	Input Z: 5 Corr CCc Freq Ref NFE: Off	rr	ten: 36 dB	Gate:	ree Run Off ain: Low	Center Fre Avg Hold: Radio Std:		0 GHz		r Frequency 020000 GHz	Settings
LXI 1 Gra		•	NFE. UI								Span 200.0	0 MHz	
Log 30.0	e/Div 10.0) dB		Ref	Value 40.00	0 dBm					CF St 20.00	ep 0000 MHz	
20.0 10.0 0.00				**************	an a	na an a	n-4/notewinnen				N ∎	uto Ian	
-10.0 -20.0 -30.0	pantourd	net charles and and	forman					munulum	Addemand	y-handlynethanger	Freq (0 Hz	Offset	
-40.0 -50.0													
	er 2.5930 3W 1.800			#Vid	eo BW 6.00	00 MHz		s	Sp weep 1.00 m	an 200 MHz s (1001 pts)			
2 Met	rics	•											
	Occu	pied Bandwidtl	n 815 MHz			Total	Power		31.2 d	Bm			
		smit Freq Error Bandwidth	-2	59.14 kHz 32.07 MHz			OBW Pow	er	99.00 -26.00	1%			
	X GD	Banawaan				-7 00			-20.00				
	5	C 🗌	? Oct 11, 1:19:4										

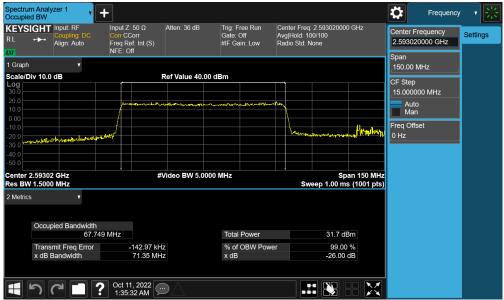
Plot 7-127. Occupied Bandwidth Plot (NR Band n41 - 80MHz 16-QAM - Full RB - Ant B)



Plot 7-128. Occupied Bandwidth Plot (NR Band n41 - 70MHz π/2 BPSK - Full RB - Ant B)

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Plot 7-129. Occupied Bandwidth Plot (NR Band n41 - 70MHz QPSK - Full RB - Ant B)



Plot 7-130. Occupied Bandwidth Plot (NR Band n41 - 70MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager			
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Spect			er 1	•	+										₽	Fre	equency		
RL	SIGH ↔		put: RF oupling lign: Au		Input Z: Corr CC Freq Re NFE: Of	orr f: Int (S)	Atten: 36 dB	Ga	ate: O	ee Run Off n: Low	Center F Avg Hol Radio S	d: 10) GHz		r Frequei 020000		Settings	5
1 Grap	bh		,	1	NI E. OI										Span 150.0	0 MHz			
	/Div 10).0 dl	в			, F	Ref Value 40.	.00 dBm	1						CF St	00			
Log 30.0																ср 10000 MF	47		
20.0						- Margan	and the second second second		-	an a						uto	12		
10.0						1					1					lan			
0.00					1						ţ				Freq (Offset			
											Maker	d La	1.00.01		0 Hz	511501			
-30.0	ange ange	horal	hallowledge	all the second	No. W. Walk of Sta						MAN N	NW.	warmul	MARYLANDOR					
-40.0																			
-50.0																			
	r 2.593 W 1.50					#\	/ideo BW 5.0	0000 MH	z			Sw		an 150 MHz s (1001 pts)					
2 Metr			,	,										(1001 p.s.)					
	_																		
	Oco	cupie	d Band		62 MHz			Т	intal I	Power			33.5 di	Rm					
	-		-			50.454.111													
			t Freq ndwidtl			58.451 kHz 61.67 MHz			orc dB	DBW Powe	r		99.00 -26.00						
	×u	o o ai	nawidi	1				^	aD.				-20.00	a					
	ょ	6			Oct 11 1:52:4	, 2022 14 AM													

Plot 7-131. Occupied Bandwidth Plot (NR Band n41 - 60MHz π/2 BPSK - Full RB - Ant B)



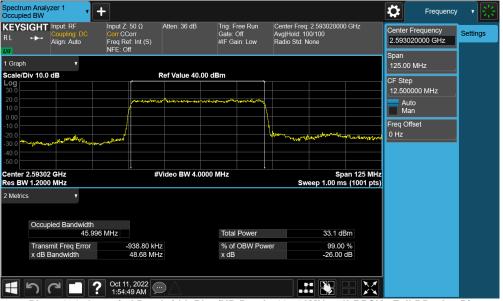
Plot 7-132. Occupied Bandwidth Plot (NR Band n41 - 60MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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Spectru Occupie	um Analy ed BW	zer 1	•	+										₽	Frequency	- * 影
RL	SIGHT	Input: RI Coupling Align: Au	g: DC	Input Z: Corr CC Freq Re NFE: C	Corr ef: Int (S)	Atten: 36 dB		Gate: (ree Run Off in: Low	Avg	ter Freq: Hold: 10 io Std: N		0 GHz		r Frequency 8020000 GHz	Settings
1 Graph			•											Span 150.0	00 MHz	
	Div 10.0	dB			1	Ref Value 40	0.00 dE	ßm		1				CF St	ер	
Log 30.0 20.0										╟──				15.00	00000 MHz	
10.0					f and the second	والمعروبين والمعروفين		لاستروا	r-Ahrester, marine	1					luto 1an	
0.00										I <u>I</u>				Freq (Offset	
-20.0	winh	H. Mara	har	on and the strategies of						here.	ومرود والمردم	wood mar the	Withday	0 Hz		
-30.0																
-50.0																
	2.59302 V 1.5000				#	Video BW 5.	.0000 N	٨Hz			Swe		an 150 MHz s (1001 pts)			
2 Metric			•										- ()			
	Occup	ied Ban	Idwidt	h												
			58.	223 MHz				Total	Power			31.4 d	Зm			
		mit Freq 3andwidi			53.183 kH 61.61 MH			% of x dB	OBW Pow	er		99.00 -26.00				
	X GD L	Cindwid	u1-		01.01 1011	-		xuD				-20.00				
				Oct 1	1, 2022 🧹	~ ^										
	า (CIL			1, 2022 17 AM											

Plot 7-133. Occupied Bandwidth Plot (NR Band n41 - 60MHz 16-QAM - Full RB - Ant B)



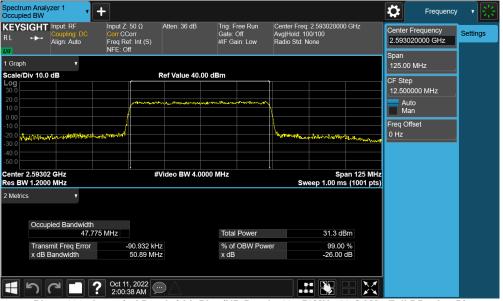
Plot 7-134. Occupied Bandwidth Plot (NR Band n41 - 50MHz π/2 BPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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Spect Occu	rum Analy bied BW	yzer 1 🔻	+									Frequency	- * 宗
RL	SIGHT .≁·	Input: RF Coupling: DC Align: Auto	Input Z: 5 Corr CCc Freq Ref NFE: Off	orr : Int (S)	Atten: 36 dB	Gate:	Free Run Off ain: Low	Center Freq Avg Hold:>1 Radio Std: N) GHz	2	r Frequency 020000 GHz	Settings
LXI 1 Gra		Ţ	NFE. OII								Span 125.0	0 MHz	
Scale Log 30.0	/Div 10.0	dB		R	ef Value 40.0	00 dBm					CF Ste	ep 0000 MHz	
20.0 10.0			/	Man-With Harbor	and the second	y ang dan sa ang ang ang ang ang ang ang ang ang an					A	uto lan	
0.00 -10.0 -20.0	in the second	and the second states and	un antilant dat					hundryindaria	hantshahalipaylar		Freq (0 Hz	Dffset	
-30.0 -40.0 -50.0	and the states of the states o									and should should			
Cente	r 2.5930 W 1.200			#V	ideo BW 4.00	000 MHz		Sw	Sp veep 1.00 ms	an 125 MHz s (1001 pts)			
2 Met	rics	•								Ì			
	Occu	pied Bandwidth 47.8	ı 370 MHz			Tota	l Power		31.1 dE	3m			
		mit Freq Error Bandwidth		9.141 kHz 50.48 MHz		% of x dB	f OBW Powe	er	99.00 -26.00				
	5	2	? Oct 11, 2:00:2										

Plot 7-135. Occupied Bandwidth Plot (NR Band n41 - 50MHz QPSK - Full RB - Ant B)



Plot 7-136. Occupied Bandwidth Plot (NR Band n41 - 50MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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Spectru Occupie		zer 1	•	+											₽	Frequency	· · · ※
RL	ight ⊶	Input: Coupli Align:	ing: DC	Ci Fr	put Z: orr CC req Re FE: Of	orr f: Int (S)	Atten: 36 dB		Gate:	ree Run Off ain: Low		Center Free Avg Hold: 1 Radio Std: 1		0 GHz		r Frequency 020000 GHz	Settings
1 Graph			•		FL. OI										Span 100.0	0 MHz	
	Div 10.0	dB				F	Ref Value 40	.00 di	Зm		_				CF Ste	ne مو	
Log 30.0																0000 MHz	
20.0							Mugallybarasting	www.m	-	len al analysis						uto	
10.0											Ì,					lan	
-10.0					/						I.				Freq C	Offset	
-20.0			manha		-						4	الدير ومحادين المراجع	s-flyren warn		0 Hz	,	
-30.0 😱	and and and a second	Married Married	- Solow	when													
-40.0																	
Center	2.59302	2 GHz				۱ #\	/ideo BW 3.	0000	MHz				Sr	an 100 MHz			
	V 910.00											Sv		s (1001 pts)			
2 Metric	s		•														
	Occur	and Pr	andwidt	h													
	Occup			 .000 M⊦	Ηz				Total	Power			33.4 d	Bm			
	Trans	mit Fre	eq Error	r	-1	.2038 MH:	7		% of	OBW P	owe	r	99.00) %			
	x dB E					38.28 MH			x dB				-26.00				
	5	2				, 2022 36 AM											

Plot 7-137. Occupied Bandwidth Plot (NR Band n41 - 40MHz π/2 BPSK - Full RB - Ant B)



Plot 7-138. Occupied Bandwidth Plot (NR Band n41 - 40MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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Spectru Occupi	um Analy ed BW	/zer 1	• +											₽	Frequency	- * 景
RL	SIGHT • → •	Input: RF Coupling: Align: Aut	DC o	Input Z: Corr CC Freq Rel NFE: Of	orr f: Int (S)	Atten: 36 dB	G	ate: O	ee Run ff n: Low	Center F Avg Holo Radio St	1: 10) GHz		r Frequency 8020000 GHz	Settings
1 Grapt		•		NFL. OI										Span _100.0	00 MHz	
Scale/I Log 30.0	Div 10.0	dB			F	tef Value 40.	00 dBm							CF St 10.00	ep)0000 MHz	
20.0 10.0 0.00					ponopolin	ntra anti-attan	V11111111	~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	on Bubbaryord	\					luto 1an	
-10.0		worthat	an we will be the	r- Malala						-	المعارية	nonunhagayo		Freq (0 Hz	Offset	
-30.0	an an an Angelanda	unit Jaharen											- and the fact that we want the			
	2.59302 N 910.00				⊥ #V	ideo BW 3.0	000 MH	łz	I		Swe		an 100 MHz s (1001 pts)			
2 Metric	cs	v														
	Occup	pied Band														
	_		38.036 N		5 400 111				Power			30.7 df				
		mit Freq E Bandwidth			35.120 kHz 40.66 MHz			% of C : dB	DBW Powe			99.00 -26.00				
	5	6]?	Oct 11 1:59:1												

Plot 7-139. Occupied Bandwidth Plot (NR Band n41 - 40MHz 16-QAM - Full RB - Ant B)



Plot 7-140. Occupied Bandwidth Plot (NR Band n41 - 30MHz $\pi/2$ BPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT							
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Öccupie		· · · · ·	+									₿	Frequency	- * 影
RL	GHT • → ••	Input: RF Coupling: DC Align: Auto	Input Z: 5 Corr CCo Freq Ref: NFE: Off		n: 36 dB	Gate:	iree Run Off ain: Low	Center Avg Ho Radio	old: 10) GHz		r Frequency 020000 GHz	Settings
1 Graph		•	NFE. OII									Span 75.00	0 MHz	
Scale/I 30.0 20.0	Div 10.0	dB			/alue 40.00 c								000 MHz	
10.0 0.00 -10.0				plintminikanon	anges provident	งเค _โ กใน _ส ะทั่ง _เ หา	***************						uto lan)ffset	
	of a hand a graded	hand and the second s	and a start of the					Lalvery	milloud	malandula	nd work water	0 Hz		
-50.0 Center	2.59302			#Video	BW 2.4000	MHz					pan 75 MHz			
Res BV 2 Metric	V 680.00 :s) kHz v							Swe	eep 1.00 m	s (1001 pts)			
	Occup	bied Bandwidth				-								
		mit Freq Error		3.213 kHz		% of	Power OBW Pow	er		30.6 df 99.00	%			
	x dB E	Bandwidth	3	0.06 MHz		x dB				-26.00	dB			
	5		? Oct 11, 1:58:42											

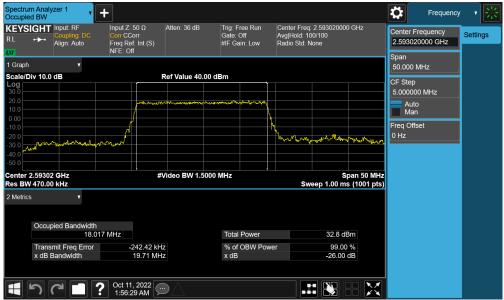
Plot 7-141. Occupied Bandwidth Plot (NR Band n41 - 30MHz QPSK - Full RB - Ant B)



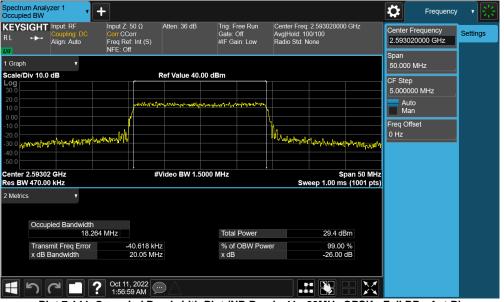
Plot 7-142. Occupied Bandwidth Plot (NR Band n41 - 30MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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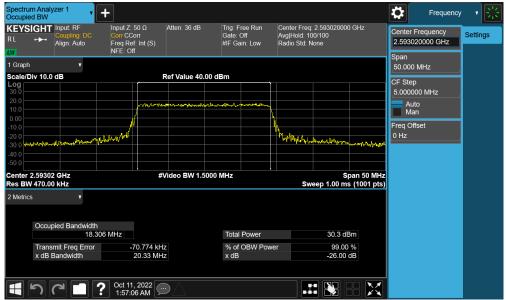
Plot 7-143. Occupied Bandwidth Plot (NR Band n41 - 20MHz π/2 BPSK - Full RB - Ant B)



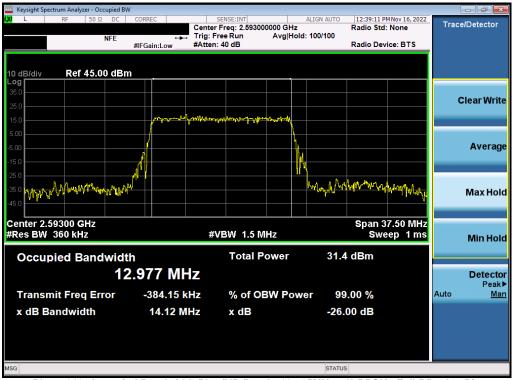
Plot 7-144. Occupied Bandwidth Plot (NR Band n41 - 20MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT						
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Plot 7-145. Occupied Bandwidth Plot (NR Band n41 - 20MHz 16-QAM - Full RB - Ant B)



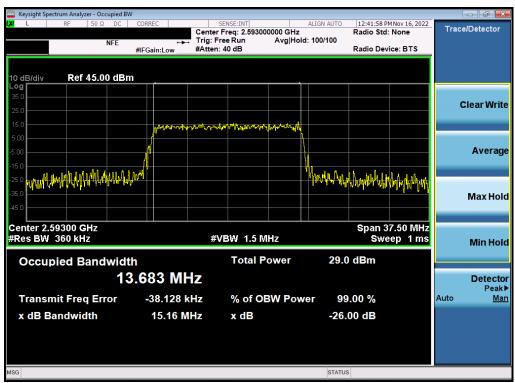
Plot 7-146. Occupied Bandwidth Plot (NR Band n41 - 15MHz π/2 BPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	t Dates: EUT Type:					
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© 2022 ELEMENT			V11.0 9/14/2022				



Keysight Spectrum Analyzer - Oe	ccupied BW				
<mark>(,X/</mark> L RF 50 Ω	2 DC CORREC	SENSE:INT Center Freg: 2.59300	ALIGN AUTO	12:39:50 PM Nov 16, 2022 Radio Std: None	Trace/Detector
	NFE ++	. Trig: Free Run	Avg Hold: 100/100		
	#IFGain:Low	#Atten: 40 dB		Radio Device: BTS	
10 dB/div Ref 45.0	00 dBm				
Log 35.0					
25.0					Clear Write
15.0	Apriliante	น _{ใหญ่} มาเมาและการใน	www.		
5.00			N		
-5.00			, , , , , , , , , , , , , , , , , , ,		Average
-15.0 1 A AN. 14	MIN N L 104		ใหม่ เปสน	Δ. Μ. Α. Ι	
			ITAM PATERN	₩₩₩₩₩₩₩₩₩₩₩₩₩₩	
-35.0					Max Hold
-45.0					
				0	
Center 2.59300 GHz #Res BW 360 kHz		#VBW 1.5 M	Hz	Span 37.50 MHz Sweep 1 ms	
They by Joo Kinz		#4D44 1.5 M	112	owcep rins	Min Hold
Occupied Band	dwidth	Total P	ower 28.8	dBm	
	13.662 MI	1 7			Detector
	13.002 101				Peak►
Transmit Freq Er	ror -24.768	kHz % of OE	BW Power 99	.00 %	Auto <u>Man</u>
x dB Bandwidth	15.09 N	lHz xdB	-26	00 dB	
	10.00 1		-20.		
MSG			STATUS	;	

Plot 7-147. Occupied Bandwidth Plot (NR Band n41 - 15MHz QPSK - Full RB - Ant B)



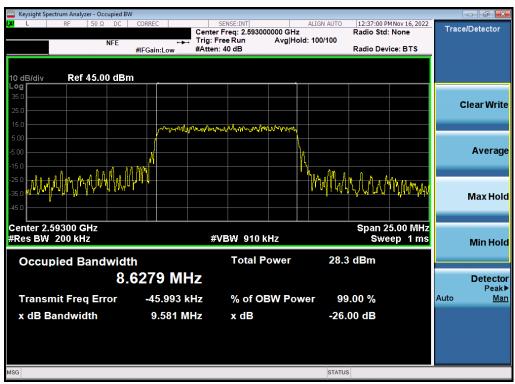
Plot 7-148. Occupied Bandwidth Plot (NR Band n41 - 15MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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© 2022 ELEMENT			V11.0 9/14/2022	





Plot 7-149. Occupied Bandwidth Plot (NR Band n41 - 10MHz π/2 BPSK - Full RB - Ant B)



Plot 7-150. Occupied Bandwidth Plot (NR Band n41 - 10MHz QPSK - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager				
Test Report S/N:	Test Dates:	EUT Type:	Page 95 of 344				
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Keysight Spectrum Analyz	zer - Occupied BW				
L RF	50 Ω DC CORREC	SENSE:INT Center Freg: 2.5930000	ALIGN AUTO	12:36:20 PM Nov 16, 2022 Radio Std: None	Trace/Detector
	NFE ++-		00 GHz Avg Hold: 100/100	Radio Std: None	
	#IFGain:Low	#Atten: 40 dB		Radio Device: BTS	
10 dB/div Ref	45.00 dBm				
	45.00 UBIII				
35.0					
25.0					Clear Write
15.0					
	Jr. Wash	warminger maker there were	mm		
5.00					
-5.00	(Average
-15.0			<u>n</u>		
-25.0					
-35.0 M LMM M ARA	MMV7+201MM 111		, Mahartu		Max Hold
-45.0	Γ			չ, ի, սիս Մոն Սո	wax noid
-40.0					
Center 2.59300 G	Hz			Span 25.00 MHz	
#Res BW 200 kH	Z	#VBW 910 kH	z	Sweep 1ms	
					Minitiona
Occupied B	andwidth	Total Pov	wer 28.3	dBm	
	8.6163 MH	7			Detector
	0.0100 101	12			Peak►
Transmit Free	q Error -39.825 k	Hz % of OBV	V Power 99	.00 %	Auto <u>Man</u>
x dB Bandwid	ith 9.576 M	Hz xdB	-26 (00 dB	
	3.10 W		-20.0	UU UB	
MSG			STATUS	6	

Plot 7-151. Occupied Bandwidth Plot (NR Band n41 - 10MHz 16-QAM - Full RB - Ant B)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager				
Test Report S/N:	Test Dates:	tes: EUT Type:					
1M2209010098-09-R2.A3L	9/12/2022 - 11/16/2022	9/12/2022 – 11/16/2022 Portable Handset					
© 2022 ELEMENT	·		V11.0 9/14/2022				



NR Band n41 – Switching Ant F

Occupied		- - -	┝										₽	Trigger	¥	$\frac{2^{1}z}{2^{1}z}$
KEYSI RL	GHT Input: Coupl Align:	ing: DC	Input Z: 5 Corr CCo Freq Ref:	rr	Atten: 32 dB	G	ate: (ree Run Off ain: Low	Center Avg Ho Radio	old: 10) GHz	Gate On		Trigge	r
L)(I			NFE: Off										Off		Gate	
1 Graph		•											Gate View On		Source	e
	iv 10.0 dB			R	ef Value 40.	00 dBn	n						Off		Gate Setting	as
Log 30.0 20.0				~			- 0						Gate Delay 3.991 ms		Period Sync S	lic
10.0 0.00 -10.0													Gate Length 956.00 µs		Auto/ Holdof	ff
-20.0 -30.0 -40.0	a the second									aratan lar∥a		and and the second	Control Edge Level			
Center 2	2.5930 GHz 2.4000 MHz		ļ	#Vi	deo BW 8.0	000 MH	Ηz		!	Swe		an 250 MHz s (1001 pts)		f		
2 Metrics		v											Auto Man			
	Occupied Ba	andwidth 97.162	MHz			1	Total	Power			27.6 dE	Bm	Gate Delay Compensati RBW Settle			
	Transmit Fre x dB Bandw			82.00 kHz 02.6 MHz			% of < dB	OBW Pow	er		99.00 -26.00		Gate View S Time 3.0000 ms	weep		
	2 (2)	2?	Oct 11, 3:03:53	зам 🔛] [.]			Gate View S 2.880 ms			

Plot 7-152. Occupied Bandwidth Plot (NR Band n41 - 100MHz $\pi/2$ BPSK - Full RB - Ant F)

	+					Trigger	- * ※
R L Imput: RF Coupling: DC Align: Auto	Corr CCorr Freq Ref: Int (S)	Atten: 32 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.59300000 Avg Hold:>100/100 Radio Std: None	0 GHz	Gate On Off	Trigger
1 Graph	NFE: Off					Gate View On	Gate Source
Scale/Div 10.0 dB	F	ef Value 40.00 d	IBm	_		Off	Gate Settings
20.0		-Professional Contraction	Nerthandung geman says	~		Gate Delay 3.991 ms	Periodic Sync Src
10.0 0.00 -10.0						Gate Length 956.00 μs	Auto/ Holdoff
-20.0 -30.0 -40.0 -50.0				han and a second and a second and a second and a second a	Mar and provide and and	Control Edge Level	
Center 2.5930 GHz Res BW 2.4000 MHz	#V	ideo BW 8.0000	MHz	Sp Sweep 1.00 m	oan 250 MHz s (1001 pts)	Gate Holdoff 208.6 µs	
2 Metrics v						Auto Man	
Occupied Bandwidth 97.97	′4 MHz		Total Power	31.6 d	Bm	Gate Delay Compensation RBW Settled v	
Transmit Freq Error x dB Bandwidth	-178.02 kHz 103.5 MHz		% of OBW Pov x dB	ver 99.00 -26.00		Gate View Sweep Time 3.0000 ms	
	Oct 11, 2022 3:04:34 AM					Gate View Start Time 2.880 ms	

Plot 7-153. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	Dates: EUT Type:					
1M2209010098-09-R2.A3L	9/12/2022 - 11/16/2022	2 – 11/16/2022 Portable Handset					
© 2022 ELEMENT	<u>.</u>		V11.0 9/14/2022				



Spectrur Occupie		zer 1	• +										Trigg	er	- ※
KEYS RL		Input: RF Coupling: D Alian: Auto			Atten: 32 dB	Gate	Free Run e: Off Gain: Low	Avg Ho	Center Freq: 2.593000000 GHz Avg Hold: 100/100 Radio Std: None				Dn		Trigger
LXI			NFE: (Dff		Gate
1 Graph												Gate '			Source
Scale/D	0iv 10.0	dB		,I	Ref Value 40.	00 dBm							Dn Dff		Gate Settings
Log 30.0												Gate I	Delay		Periodic
20.0				m	and the second	فيرحلن حميرهم	·····					3.991	ms		Sync Src
10.0 0.00				/								Gate I	_ength		Auto/
-10.0												956.0	0 µs		Holdoff
-20.0	Marcall	and the second states	ap. 18 1. J. page-about the					******	- total	Mark Contraction	versionly	Contro	ol		
-30.0													dge		
-50.0													.evel	_	
Center 2				· #\	Video BW 8.0	000 MHz		•			an 250 MHz		Holdoff		
Res BW	2.4000	MHz							Swe	ep 1.00 ms	s (1001 pts)	208.6		-	
2 Metrics		۷											uto 1an		
												Gate I	Delay ensation		
	Occup	ied Bandwi	idth 98.105 MHz			Ter	al Power			31.6 dE	200		Settled	•	
	_			100.00.00											
		nit Freq Err andwidth	ror	-109.62 kH 103.6 MH		% xd	of OBW Pow B	er		99.00 -26.00		Gate ' Time	/iew Sweep		
	x ab b	anamaan		100.0 1111	-	× G				20.00		3.000	0 ms		
												Gate	√iew Start Tir	20	
	า (2		1, 2022 :49 AM					ŀ			2.880			

Plot 7-154. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant F)

FCC ID: A3LSMS918U		PART 27 MEASUREMENT REPORT					
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© 2022 ELEMENT	·		V11.0 9/14/2022				



NR Band n41 – Switching Ant D



Plot 7-155. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant D)

RL + Coupling: DC Align: Auto Fr	put Z: 50 Ω Atten: 26 dB orr CCorr eq Ref: Int (S) FF	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.59300000 Avg Hold: 100/100 Radio Std: None	0 GHz	2.593000000 GHz	v 🔛 Settings
1 Graph V					Span 250.00 MHz	
Scale/Div 10.0 dB Log 30.0 20.0 10.0	Ref Value 40.0	00 dBm			CF Step 25.000000 MHz Auto Man	
0.00 -10.0 -20.0 -30.0 -40.0		enner unterscongelageren.		-	Freq Offset 0 Hz	
-50.0 var Center 2.5930 GHz Res BW 2.4000 MHz	#Video BW 8.00	000 MHz	Sp Sweep 1.00 m	an 250 MHz s (1001 pts)		
2 Metrics v						
Occupied Bandwidth 97.841 MH	Ηz	Total Power	14.8 d	Bm		
Transmit Freq Error x dB Bandwidth	-272.02 kHz 103.5 MHz	% of OBW Powe x dB	er 99.00 -26.00			
₹ 5 C I ? ?	Dct 11, 2022					

Plot 7-156. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant D)

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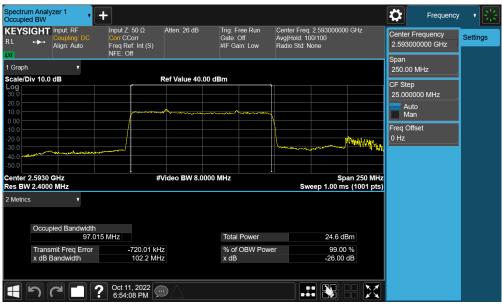
Spectru Occupie	m Analy. ed BW	zer 1	· +										Frequency	- ※
RL		Input: RF Coupling: DC Align: Auto		Corr lef: Int (S)	Atten: 26 dB	Gate	: Free Run e: Off Gain: Low	Center Avg Ho Radio S	old: 100		0 GHz	2.593	r Frequency 000000 GHz	Settings
1 Graph		v										Span 250.0	0 MHz	
Scale/E 30.0	Div 10.0	dB			Ref Value 40.	00 dBm		1				CF Ste	ep 00000 MHz	
20.0 10.0												A	uto lan	
-10.0 -20.0												Freq (0 Hz	Offset	
-30.0 -40.0 -50.0	and and a second	4900 tangsan tahun 1994 19	and the second					have	-1. N. W. W.	(Johnson Army	m the marked and and			
	2.5930 (2.4000			, #`	Video BW 8.0	000 MHz		+	Swe		an 250 MHz s (1001 pts)			
2 Metric	s	٣												
	Occup	bied Bandwid	ith 7.664 MHz			T -1	al Power			13.7 dl	2			
	Tropor	97 mit Freg Erro		-192.76 kH	-		al Power of OBW Pow			99.00				
		andwidth		103.4 MH		× d				-26.00				
	ร) (1, 2022 :05 PM										

Plot 7-157. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant D)

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NR Band n41 – Switching Ant E



Plot 7-158. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB - Ant E)

Spectrum Analyzer 1	F				Frequency	- ※
KEYSIGHT Input: RF RL Imput: RF Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 26 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.593000000 GHz Avg Hold:>100/100 Radio Std: None	Center Frequency 2.593000000 GHz	Settings
1 Graph 🔹					Span _250.00 MHz	
Scale/Div 10.0 dB	Ri Land	ef Value 40.00 dl	3m		CF Step 25.000000 MHz Auto Man	
0.00 -10.0 -20.0 -30.0	- Annahitan			Mitabalitha and an and a state	Freq Offset 0 Hz	
-40.0 -50.0 Center 2.5930 GHz Res BW 2.4000 MHz	#Vi	ideo BW 8.0000 I	MHz	Span 250 Sweep 1.00 ms (1001		
2 Metrics v				Sweep 1.00 ms (1001	ptsj	
Occupied Bandwidth 97.076	6 MHz		Total Power	25.5 dBm		
Transmit Freq Error x dB Bandwidth	-735.55 kHz 102.8 MHz		% of OBW Powe x dB	er 99.00 % -26.00 dB		
	Oct 11, 2022 6:54:29 PM					

Plot 7-159. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant E)

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