

Spectrum Analy. SEM	zer 1	+							\$	Frequency	* *
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S NFE: Adaptive	Prear	: 20 dB mp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg	er Freq: 2.65500 Hold: 100.00% ol o Std: None			Frequency 00000 GHz	Settings
1 Graph			Define	Offset 34.					and the second se	000 MHz	
Scale/Div 10 dl	3			ue 30.0 dB					Contract Contractor		
20.0			Ref vu					Relative Limit	Au Ma		
10.0		×	Arteration	-terbert at a second at the second	maninand				Freq Of	fset	
0.00								Absolute Limit	0 Hz		
10.0											
30.0									1.1		
	mmmmm	******				-	m				
-50.0							2	Spectrum			
60.0											
Disp Center 2.6	550 GHz	Chan E	Det: Aver	age, #Offs	Det: Average			an 220.00 MHz 01 pts			
2 Table		Power									
		25.48 dBm	/ 70 MHz								
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm /	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
35.00 MHz	36.00 MHz		-22.36	(-12.36)	-35.02 M	-34.0		35.05 M			
36.00 MHz	40.00 MHz		-27.42	(-17.42)	-36.00 M	-35.9		36.02 M			
40.00 MHz	105.0 MHz		-35.32	(-22.32)	-64.25 M	-36.6		57.50 M			Land
105.0 MHz	110.0 MHz		-36.20	(-11.20)	-105.0 M	-48.5		108.8 M			Local
8.000 MHz	12.50 MHz	1.000 MHz		()			()				
12 50 MH7	15 00 MHz	1 000 MHz		()							
61		May 28, 2024 4:01:30 PM									

70 M_Band Edge_High_BPSK_FullRB



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Pre (S)	in: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.53602 ld: 100.00% of Std: None		2.53602	requency 20000 GHz	Settings
Graph			Refly	vl Offset 34.	30 dB				CF Step 15.1040	000 MHz	
cale/Div 10 dl	в			alue 30.0 dB					Aut	•	1
_og								Absolute Limit	Mar		
		\wedge							Eron Off		
10.0									Freq Off 0 Hz	set	
10.0									UHZ		
20.0	-										
30.0				$-\Lambda$		1	۱				
40.0		M manager	and a state of the	month he	and the second second	monord		Spectrum			
-50.0	water water water and a state of the state o						The second s	a farteritigeringer			
60.0											
	53602 GHz	Char	n Det: Ave	erage,#Offs	Det: Average		Sp	oan 151.04 MHz 01 pts			
Disp Center 2.5	53602 GHz Y	Powe			Det: Average		Sp	oan 151.04 MHz			
Disp Center 2.5		Powe	r		Det: Average		Sp	oan 151.04 MHz			
Disp Center 2.5 2 Table Start Freq	v Stop Freq	Powe 22.91 dB Integ BW	er m / 80 MH dBm	z Lower ∆Limit(dB)	Freq (Hz)	dBm	Sp 20	oan 151.04 MHz			
2 Table Start Freq 40.02 MHz	Stop Freq 41.02 MHz	Powe 22.91 dBi Integ BW 30.00 kHz	er m / 80 MH dBm -41.81	z Lower ∆Limit(dB) (-28.81)	Freq (Hz) -40.05 M	dBm 	Sp 20 Upper ∆Limit(dB) ()	oan 151.04 MHz 101 pts			
2 Table Start Freq 40.02 MHz 41.02 MHz	Stop Freq 41.02 MHz 45.52 MHz	Powe 22.91 dB Integ BW 30.00 kHz 1.000 MHz	er m / 80 MH dBm -41.81 -33.18	z ∆Limit(dB) (-28.81) (-20.18)	Freq (Hz) -40.05 M -41.02 M		Sp 20 Upper ΔLimit(dB) () ()	oan 151.04 MHz 01 pts Freq (Hz)			
2 Table Start Freq 40.02 MHz 41.02 MHz 45.52 MHz	Stop Freq 41.02 MHz 45.52 MHz 75.52 MHz	Powe 22.91 dB Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	er m / 80 MH dBm -41.81 -33.18 -41.15	z Limit(dB) (-28.81) (-20.18) (-16.15)	Freq (Hz) -40.05 M		Sp 20 ΔLimit(dB) () ()	oan 151.04 MHz 01 pts Freq (Hz) 			
2 Table Start Freq 40.02 MHz 41.02 MHz	Stop Freq 41.02 MHz 45.52 MHz	Powe 22.91 dB Integ BW 30.00 kHz 1.000 MHz	er m / 80 MH dBm -41.81 -33.18	z ∆Limit(dB) (-28.81) (-20.18)	Freq (Hz) -40.05 M -41.02 M		Sp 20 Upper ΔLimit(dB) () ()	oan 151.04 MHz 01 pts Freq (Hz) 			Loca

80 M_Band Edge_Lower_Low_BPSK_1RB(1)



1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg Ho	Freq: 2.53602 old: 100.00% ol Std: None		president and a second second	requency 0000 GHz	Settings
Graph	•		Ref L	/I Offset 34.	30 dB				25.0000	00 MHz	
ale/Div 10 dl	3		Ref Va	alue 30.0 dB	im				Auto		
og								Relative Limit	Mar		
0.0			1						Ener Off		
0.0									Freq Off	ei	
0.0								Absolute Limit	0 Hz		
0.0											
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5.0		and a second designed				- application	Material	समस्तितिनिधिम			
0.0						<u> </u>					
sp Center 2.5	5360 GHz	Char	n Det: Ave	rage, #Offs	Det: Average			oan 250.00 MHz 01 pts			
able	v	Powe 22.88 dBi	r m / 80 MH	z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
40.00 MHz	41.00 MHz	30.00 kHz		()		-53.23	(-43.23)	40.19 M			
41.00 MHz	45.00 MHz	1.000 MHz		()		-40.49	(-30.49)	41.20 M			-
45.00 MHz	120.0 MHz	1.000 MHz		()		-37.87	(-24.87)	117.0 M			Loc
	125.0 MHz	1.000 MHz		()		-41.09	(-16.09)	124.0 M			LOC
120.0 MHz	125.0 MHz	820.0 kHz	-21.87	(-71.87)	-40.00 M		()				
120.0 MHz 40.00 MHz 12.50 MHz	15 00 MHz	1 000 MHz		()			()				

80 M_Band Edge_Upper_Low_BPSK_1RB(1)



1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.53602 Id: 100.00% of Std: None		Center Frequency 2.536020000 GHz CF Step	Settings
Graph	*			Offset 34.3					15.104000 MHz	
og			Ref Va	lue 30.0 dB	m			Absolute Limit	Auto Man	
0.0		mm	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	server and a server and a server a s	mon			Freq Offset 0 Hz	
0.0 0.0 0.0								Spectrum		
50.0 50.0 isp Center 2.5	3602 GHz	Char	n Det: Ave	rage, #Offs	Det: Average			oan 151.04 MHz		
		0		-			20	01 pts		
Table	.	Powe 25.64 dB	nr m / 80 MH	z						
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Limit(dB)	Freq (Hz)	dBm	Upper ∆Limit(dB)	Freg (Hz)		
40.02 MHz	41.02 MHz	1.000 MHz	-20.51	(-7.51)	-40.04 M	UDIII	∆LIIIII(UB) ()			
41.02 MHz	45.52 MHz	1.000 MHz	-24.00	(-11.00)	-41.02 M		()			
45.52 MHz	75.52 MHz	1.000 MHz	-26.41	(-1.41)	-45.97 M		()			
40.02 MHz	75.52 MHz	330.0 kHz		()		-24.47	(-74.47)	40.43 M		Loca
8.000 MHz	12.50 MHz	1.000 MHz		()			()			
	15 00 MHz	1 000 MHz		()						

80 M_Band Edge_Lower_Low_BPSK_FullRB(1)



EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.53602 old: 100.00% ol Std: None		property and a design of	requency 20000 GHz	Settings
Graph	÷		Ref Ly	I Offset 34.	30 dB					000 MHz	
cale/Div 10 dl	3			alue 30.0 dB					Aut	0	1
.og								Relative Limit	Ma		
20.0									Freq Off	cot	
0.00			hand	mananana					0 Hz	Sei	
10.0								Absolute Limit	U HZ		
20.0											
30.0		and the second				- Aller and a second second	and the second second	Spectrum			
40.0		al sur						and the second s			
50.0		1						_			
60.0											
oisp Center 2.5	5360 GHz	Chan	Det: Ave	erage, #Offs	Det: Average			oan 250.00 MHz 01 pts			
Table	v	Powe 25.64 dBr		z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
40.00 MHz	41.00 MHz	1.000 MHz		()		-18.37	(-8.37)	40.05 M			
41.00 MHz	45.00 MHz	1.000 MHz		()		-21.61	(-11.61)	41.02 M			
45.00 MHz	120.0 MHz	1.000 MHz		()		-22.48	(-9.48)	45.25 M			Loc
120.0 MHz	125.0 MHz	1.000 MHz		()		-36.85	(-11.85)	120.1 M			LOC
	125.0 MHz	820.0 kHz	-23.30	(-73.30)	-40.20 M		()				
40.00 MHz 12 50 MHz	15 00 MHz	1 000 MHz		()							

80 M_Band Edge_Upper_Low_BPSK_FullRB(1)



Spectrum Analy SEM	zer 1	+								Frequency	- - 🔆
KEYSIGHT ^{RL} ↔ ™ PASS	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB mp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.540010 id: 100.00% of ttd: None		Center Fr 2.540010 CF Step	requency 0000 GHz	Settings
1 Graph Scale/Div 10 d	т В			l Offset 34. lue 30.0 dB					13.90200		
Log 20.0 10.0 0.00								Abselvte Liimit	Man Freq Offs 0 Hz		
-10 0 -20.0 -30.0 -40.0 50.0		man	a sea front have	\sim	and the state of the	and and and a	Ą	Spectrum			
-60.0 Disp Center 2.	54001 GHz	Char	Det: Aver	rage, #Offs	Det: Average			an 139.02 MHz 01 pts			
2 Table	۲	Powe 22.99 dBr	r m / 80 MHz	3							
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Limit(dB)		dBm	Upper ∆Limit(dB)				
40.00 MHz 41.00 MHz	41.00 MHz 44.01 MHz	30.00 kHz 1.000 MHz	-43.85 -33.44	(-33.85) (-23.44)	Freq (Hz) -40.02 M -41.06 M	ubiii 	()	Freq (Hz)			
44.01 MHz 49.51 MHz 40.00 MHz	49.51 MHz 69.51 MHz 69.51 MHz	1.000 MHz 1.000 MHz 270.0 kHz	-40.59 -42.89	(-27.59) (-17.89)	-44.37 M -49.71 M	 -46.76	() () (-96.76)	 51.41 M			Local
40.00 MHZ 12 50 MHZ	09.51 MHz	1 000 MHz Jul 09, 202	 M 💬 /	() ()		-40.70	(-96.76) ()				

80 M_Band Edge_Lower_Low_BPSK_1RB(2)



Spectrum Analy. SEM	zer 1 🔻	+								₿	Frequency	- 7 😤
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (\$ NFE: Adaptive	Prea S)	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low		Avg Ho	Freq: 2.540010 Id: 100.00% of: Std: None			requency 10000 GHz	Settings
1 Graph Scale/Div 10 dl	т В			/I Offset 34. alue 30.0 dE							000 MHz	
20.0									Relative Limit	Mai		
10.0										Freq Off 0 Hz	set	
-10 0									Absolute Limit	UHZ		
-30.0				٨.		Λ			Spectrum			
50.0		www	-	server and		- 4M	i i tagina gina gina gina gina gina gina gina	therefore the second	Wedlerdinglauterlieg (beine			
-60.0						-						
Disp Center 2.5	5400 GHz	Chan	Det: Ave	erage, #Offs	Det: Average	9			an 250.00 MHz 11 pts			
Table	•	Power 21.81 dBm		z								
				Lower				Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)		lBm		Freq (Hz)			
40.00 MHz	41.00 MHz	30.00 kHz		()			55.09	(-45.09)	40.20 M			
41.00 MHz	45.00 MHz	1.000 MHz		()			42.95	(-32.95)	41.82 M			
45.00 MHz	120.0 MHz	1.000 MHz		()			38.66	(-25.66)	117.0 M			Loca
120.0 MHz 40.00 MHz	125.0 MHz 125.0 MHz	1.000 MHz 820.0 kHz	-22.90	() (-72.90)	-40.00 M		42.18	(-17.18)	120.6 M			Lood
40.00 MHZ 12 50 MHz	15 00 MHz	1 000 MHz	-22.50	(-72.90)	-40.00 10			()				
1 ち(Jul 09, 2024 10:39:21 AM		<u>\</u>								

80 M_Band Edge_Upper_Low_BPSK_1RB(2)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Prea S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low		req: 2.54001 I: 100.00% of d: None			Frequency 10000 GHz	Settings
Graph ale/Div 10 dl	۲ 3			l Offset 34. lue 30.0 dB					13.9020	000 MHz o	
9 .0 .0 .0 .0 .0		and a second and a second		AND WALK AND AND A	ميت ^م يريوناني وروايي والمريونان	ورمالي والمري		Abioliste Liimit	Mai Freq Off 0 Hz		
0.0							and the second se	Spectrum			
0.0											
	54001 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			oan 139.02 MHz 01 pts			
).0	54001 GHz	Chan Power 25.28 dBm	•		Det: Average			an 139.02 MHz			
D.0 Ep Center 2.9 Table	•	Power 25.28 dBn	1 / 80 MH:	z Lower			20 Upper	oan 139.02 MHz 01 pts			
D.0 Sp Center 2.9 Table Start Freq	T Stop Freq	Power 25.28 dBn Integ BW	1 / 80 MH: dBm	z Lower ∆Limit(dB)	Freq (Hz)		20 Upper ∆Limit(dB)	pan 139.02 MHz 01 pts Freq (Hz)			
able Start Freq 40.00 MHz	• Stop Freq 41.00 MHz	Power 25.28 dBn Integ BW 1.000 MHz	- n / 80 MH: dBm -21.42	z Lower ∆Limit(dB) (-11.42)	Freq (Hz) -40.02 M		20 Upper ∆Limit(dB) ()	oan 139.02 MHz 01 pts Freq (Hz) 			
able Start Freq 40.00 MHz 41.00 MHz	T Stop Freq	Power 25.28 dBn Integ BW	1 / 80 MH: dBm	z _Lower ∆Limit(dB) (-11.42) (-13.71)	Freq (Hz)		20 Upper ∆Limit(dB) () ()	pan 139.02 MHz 01 pts Freq (Hz)			
D.0 Sp Center 2.9 Table Start Freq	Stop Freq 41.00 MHz 44.01 MHz	Power 25.28 dBn Integ BW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz	dBm -21.42 -23.71	z Lower ∆Limit(dB) (-11.42)	Freq (Hz) -40.02 M -41.18 M		20 Upper ∆Limit(dB) ()	pan 139.02 MHz 01 pts Freq (Hz) 			Loc
able Start Freq 40.00 MHz 41.00 MHz 44.01 MHz	Stop Freq 41.00 MHz 44.01 MHz 49.51 MHz	Power 25.28 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz	dBm -21.42 -23.71 -28.76	z Lower (dB) (-11.42) (-13.71) (-15.76)	Freq (Hz) -40.02 M -41.18 M -44.07 M		20 Upper ∆Limit(dB) () ()	pan 139.02 MHz 01 pts Freq (Hz) 			Loc

80 M_Band Edge_Lower_Low_BPSK_FullRB(2)



Spectrum Analy SEM	zer 1 🔻	+								Frequency	- 、 絵
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Rur Gate: Off IF Gain: Low	Avg	ter Freq: 2.540010 Hold: 100.00% of lio Std: None			requency 0000 GHz	Settings
1 Graph	•		Ref Lv	I Offset 34.	30 dB				25.0000	00 MHz	
Scale/Div 10 dl	В		Ref Va	lue 30.0 dE	lm				Auto)	
20.0								Relative Limit	Man		
10.0			man		~~~~~				Freq Offs	set	
0.00		(Absolute Limit	0 Hz		
-10.0								Absolute Limit			
-30.0		/				-		Spectrum			
-40.0		and the second second					n na sana ang ang ang ang ang ang ang ang ang	a ta			
50.0		and the second s									
-60.0											
Disp Center 2.5	5400 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			an 250.00 MHz 01 pts			
2 Table	۲	Powe 25.27 dBr		z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
40.00 MHz	41.00 MHz	1.000 MHz		()		-18.0	()	40.05 M			
41.00 MHz 45.00 MHz	45.00 MHz 120.0 MHz	1.000 MHz 1.000 MHz		()		-23.3		41.06 M 46.50 M			
120.0 MHz	120.0 MHz 125.0 MHz	1.000 MHz		()		-25.0		120.3 M			Local
40.00 MHz	125.0 MHz	820.0 kHz	-24.53	(-74.53)	-40.00 M		()				
12 50 MHz	15 00 MHz	1 000 MHz		()			()				
1 5		Jul 09, 202 10:38:10 AI		7							

80 M_Band Edge_Upper_Low_BPSK_FullRB(2)





Spectrum Analy. SEM		+		00.10						Frequency	· 😤
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Prea	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg	ter Freq: 2.59299 Hold: 100.00% of io Std: None			Frequency 90000 GHz	Settings
1 Graph	*	in E. Pauporo	Refly	l Offset 34.	30 dB				CF Step 25.000	o 000 MHz	
Scale/Div 10 dl	в			lue 30.0 dB					Au	1 0	
Log								Relative Limit	Au Ma		
20.0		~		m	m				Freq Of	fset	
10.0								Absolute Limit	0 Hz		
-20.0	Hand and a second s	The and the second second				- MISTINGE	Nine and				
40.0	and the state of t	and all the second					ALL BENERIC AND CONTRACTOR	Spectrum			
-50.0											
Disp Center 2.5	5930 GHz	Chan D	et: Ave	rage, #Offs	Det: Average			oan 250.00 MHz 01 pts			
2 Table		Power									
		25.78 dBm /	80 MH	z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW d	Bm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
40.00 MHz	41.00 MHz	1.000 MHz -	16.37	(-6.37)	-40.01 M	-22.7	3 (-12.73)	40.04 M			
41.00 MHz	45.00 MHz		19.78	(-9.78)	-41.00 M	-24.3		41.02 M			
45.00 MHz	120.0 MHz		19.45	(-6.45)	-46.75 M	-25.0		46.00 M			· · · ·
120.0 MHz	125.0 MHz	1.000 MHz -	43.82	(-18.82)	-120.2 M	-39.5	2 (-14.52)	120.0 M			Local
8.000 MHz	12.50 MHz	1.000 MHz		()			()				
12 50 MH7	15 00 MHz	1 000 MH7		()			()				
150		May 28, 2024 4:12:47 PM	\bigcirc								

80 M_Band Edge_Mid_BPSK_FullRB





	+							Ö.	Frequency	/ • 🕄
Input: RF Coupling: DC Align: Auto		Prea S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho			2.6499		Settings
*										
3		Ref Va	alue 30.0 dB	m				Aut	o	
							Relative Limit	Ma	n	
ا کمی کا				/				Erea Of	icat	
									301	
							Absolute Limit	0 HZ		
	0		A							
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	statestication and					men	Spectrum			
	¥						_			
500 GHz	Chan	Det: Ave	rage, #Offs	Det: Average	1					
	Power	8								
		100 141	7							
	22.68 dBn	1/80 MH	~							
	22.68 dBn	1780 MH				Upper				
Stop Freg			Lower	Freg (Hz)	dBm	Upper	Freg (Hz)			
Stop Freq 41.00 MHz	22.68 dBn Integ BW 30.00 kHz	dBm -57.07		Freq (Hz) -40.06 M	dBm -42.42	Upper ∆Limit(dB) (-32.42)	Freq (Hz) 40.00 M			
	Integ BW	dBm	Lower ∆Limit(dB)			∆Limit(dB)				
41.00 MHz	Integ BW 30.00 kHz	dBm -57.07	Lower ∆Limit(dB) (-47.07)	-40.06 M	-42.42	∆Limit(dB) (-32.42)	40.00 M			
41.00 MHz 45.00 MHz	Integ BW 30.00 kHz 1.000 MHz	dBm -57.07 -43.41	Lower ∆Limit(dB) (-47.07) (-33.41)	-40.06 M -44.78 M	-42.42 -34.04	∆Limit(dB) (-32.42) (-24.04)	40.00 M 41.00 M			Loc
41.00 MHz 45.00 MHz 120.0 MHz	Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	dBm -57.07 -43.41 -35.54	Lower ∆Limit(dB) (-47.07) (-33.41) (-22.54)	-40.06 M -44.78 M -53.50 M	-42.42 -34.04 -41.47	∆Limit(dB) (-32.42) (-24.04) (-28.47)	40.00 M 41.00 M 46.25 M			Loca
/ 3	Align: Auto	Align: Auto Freq Ref: Int (NFE: Adaptive	Align: Auto Freq Ref. Int (S) NFE: Adaptive Ref La Ref Vi B South Align: Auto Align: Adaptive South Align: Auto Align: Al	Align: Auto Freq Ref. Int (S) NFE: Adaptive Ref LvI Offset 34.3 Ref Value 30.0 dB	Align: Auto Freq Ref. Int (S) NFE: Adaptive Ref LvI Offset 34.30 dB Ref Value 30.0 dBm	Align: Auto Freq Ref. Int (S) IF Gain: Low Radio : NFE: Adaptive Ref LvI Offset 34.30 dB Ref Value 30.0 dBm	Align: Auto Freq Ref. Int (S) NFE: Adaptive Ref LvI Offset 34.30 dB Ref Value 30.0 dBm 500 GHz Chan Det: Average, #Offs Det: Average Sp 20	Align: Auto Freq Ref: Int (S) NFE: Adaptive Ref LvI Offset 34.30 dB Ref Value 30.0 dBm Ref Value 30.0 dBm Ref Value 30.0 dBm Statistic transform Spectrum 500 GHz Chan Det: Average, #Offs Det: Average Span 250.00 MHz 2001 pts	Augman Auto Freq Ref Lvi Offset 34.30 dB Ref Value 30.0 dBm Ref	Auto Freq Ref: Lvi Offset 34.30 dB Ref Value 30.0 dBm Ref Value

80 M_Band Edge_High_BPSK_1RB



RL +++ PASS	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S NFE: Adaptive	Prea	n: 20 dB imp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg H	r Freq: 2.64999 old: 100.00% of Std: None			Frequency 90000 GHz	Settings
1 Graph	÷		Pofly	I Offset 34.	30 dB					000 MHz	
cale/Div 10 dl	в			lue 30.0 dB					Aut		
_og 20.0								Relative Limit	Ma		
20.0		~	~~~~	~~~~	mmy				Freq Off 0 Hz	'set	
10.0								Absolute Limit	0 112		
20.0											
30.0	·······	-				Aliatiatiatiati	40				
-40.0						a traffation		Spectrum			
-60.0											
oisp Center 2.0	6500 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			oan 250.00 MHz 01 pts			
		Power	2								
2 Table	V	Power									
? Table	ž	25.53 dBm	/ 80 MHz	z							
? Table	×		/ 80 MH2	Lower			Upper				
Start Freq	Stop Freq	25.53 dBm Integ BW	dBm	Lower ∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
Start Freq 40.00 MHz	Stop Freq 41.00 MHz	25.53 dBm Integ BW 1.000 MHz	dBm -20.87	Lower ∆Limit(dB) (-10.87)	-40.02 M	-25.64	∆Limit(dB) (-15.64)	40.01 M			_
Start Freq 40.00 MHz 41.00 MHz	Stop Freq 41.00 MHz 45.00 MHz	25.53 dBm Integ BW 1.000 MHz 1.000 MHz	dBm -20.87 -27.04	Lower ∆Limit(dB) (-10.87) (-17.04)	-40.02 M -41.00 M	-25.64 -29.47	∆Limit(dB) (-15.64) (-19.47)	40.01 M 41.02 M			
Start Freq 40.00 MHz 41.00 MHz 45.00 MHz	Stop Freq 41.00 MHz 45.00 MHz 120.0 MHz	25.53 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz	dBm -20.87 -27.04 -34.15	Lower ∆Limit(dB) (-10.87) (-17.04) (-21.15)	-40.02 M -41.00 M -77.50 M	-25.64 -29.47 -33.02	∆Limit(dB) (-15.64) (-19.47) (-20.02)	40.01 M 41.02 M 48.50 M			loca
Start Freq 40.00 MHz 41.00 MHz	Stop Freq 41.00 MHz 45.00 MHz	25.53 dBm Integ BW 1.000 MHz 1.000 MHz	dBm -20.87 -27.04	Lower ∆Limit(dB) (-10.87) (-17.04)	-40.02 M -41.00 M	-25.64 -29.47	∆Limit(dB) (-15.64) (-19.47) (-20.02) (-23.71)	40.01 M 41.02 M			Loca

80 M_Band Edge_High_BPSK_FullRB



PASS	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Hol	Freq: 2.541000 d: 100.00% of td: None		provide the second second second	requency 0000 GHz	Settings
Graph cale/Div 10 d	v B			/I Offset 34. alue 30.0 dB						00 MHz	
og								Aoselute Limit	Mar		
0.0									Freq Offs 0 Hz	set	
20.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					Spectrum			
50.0 50.0		,					Not or define	and the second			
isp Center 2.	54100 GHz	Char	Det: Ave	rage, #Offs	Det: Average			an 161.00 MHz 01 pts			
	×	Powe 23.14 dBr		z							
Table				Lower			Upper				
				∆Limit(dB)	Freg (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
Start Freq	Stop Freq	Integ BW	dBm			- Stable Contract					
Start Freq 45.00 MHz	46.00 MHz	30.00 kHz	-41.91	(-28.91)	-45.01 M		()				
Start Freq 45.00 MHz 46.00 MHz	46.00 MHz 50.50 MHz	30.00 kHz 1.000 MHz	-41.91 -32.31	(-28.91) (-19.31)	-45.01 M -46.00 M		() ()				-
Start Freq 45.00 MHz 46.00 MHz 50.50 MHz	46.00 MHz 50.50 MHz 80.50 MHz	30.00 kHz 1.000 MHz 1.000 MHz	-41.91 -32.31 -40.96	(-28.91) (-19.31) (-15.96)	-45.01 M -46.00 M -51.55 M		() ()				Loc
45.00 MHz 46.00 MHz	46.00 MHz 50.50 MHz	30.00 kHz 1.000 MHz	-41.91 -32.31	(-28.91) (-19.31)	-45.01 M -46.00 M		() ()				Loc

90 M_Band Edge_Lower_Low_BPSK_1RB(1)



Graph Ref Lvi Offset 34.30 dB Ref Value 30.0 dBm Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm 000 Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm 000 Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm 000 Ret Lvi Offset 34.30 dB Ref Value 30.0 dBm Ret Lvi Offset 34.30 dB Ref Value 30.0 MHz Spectrum Spectrum Spectrum 2001 pts 13ble Power 24.30 dBm / 90 MHz Lower Upper 24.30 dBm / 90 MHz Upper 24.30 dBm / 90 MHz 13ble Power 24.30 dBm / 90 MHz Lower Upper 45.00 MHz 46.00 MHz 30.00 kHz Lower (m)54.05 (44.05) 45.01 M 45.00 MHz 135.00 MHz 1.000 MHz Spectrum 45.00 MHz 135.00 MHz 1.000 MHz 41.38 (-31.38) 48.16 M 48.16 M	L +++	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S NFE: Adaptive	Prea	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg H	Freq: 2.54100 old: 100.00% of Std: None		president and a second second	requency 0000 GHz	Settings
Og Og Og Relative Limit 000 Absolute Limit Relative Limit 000 Absolute Limit Absolute Limit 000 Absolute Limit Relative Limit 000 Absolute Limit Absolute Limit sp Center 2.5410 GHz Chan Det: Average , #Offs Det: Average Span 280.00 MHz 2001 pts 2001 pts Table Power 24.30 dBm / 90 MHz Lower Upper Lower 24.30 dBm / 90 MHz ALimit(dB) Freq (Hz) 45.00 MHz 45.00 MHz 30.00 kHz	Graph			Ref Lv	Offset 34.	30 dB					00 MHz	
Og Relative Lunit Man 000 <td< td=""><td>cale/Div 10 d</td><td>в</td><td></td><td>Ref Va</td><td>lue 30.0 dB</td><td>m</td><td></td><td></td><td></td><td>Auto</td><td>`</td><td></td></td<>	cale/Div 10 d	в		Ref Va	lue 30.0 dB	m				Auto	`	
No. No. No. Prover Spectrum Spectrum <td>og</td> <td></td> <td>n</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Relative Limit</td> <td></td> <td></td> <td></td>	og		n						Relative Limit			
Opponent Absolute Lunt O Hz 0000 Absolute Lunt Spectrum Spectrum 0000 Spectrum Spectrum Spectrum 10000 MHz Spectrum Spectrum 10000 MHz Lower Upper 11500 MHz MBm ALImit(dB) 46.000 MHz 1.0000 MHz 10000 MHz 135.0 MHz 1.0000 MHz 135.0 MHz 1.0000 () 135.0 MHz 1.0000 () 135.0 MHz 10.000 () 135.0 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			1									
Power Spectrum able Power 24.30 dBm / 90 MHz Start Freq Stop Freq Integ BW dBm ALimit(dB) Freq (Hz) 46.00 MHz 30.00 kHz 50.00 MHz 1.000 MHz 45.00 MHz 1.000 MHz 135.0 MHz 1.000 MHz 135.0 MHz 1.000 MHz 135.0 MHz 1.000 MHz 135.0 MHz 1.000 MHz 140.0 MHz 10.00 MHz 140.0 MHz 10.00 MHz 140.0 MHz 10.00 KHz											set	
No Spectrum Spectrum Spectrum Start Freq Start Freq Integ BW Bm ALimit(dB) Freq (Hz) 46.00 MHz 30.00 kHz 50.00 MHz 1.000 MHz 135.0 MHz 1.000 MHz 135.0 MHz 1.000 MHz 140.0 MHz 1.000 MHz 140.0 MHz 10.00 KHz -0.870 (-50.87) 45.00 MHz 140.0 MHz 140.0 MHz 10.00 kHz -0.870 (-50.087)									Alterative Lines	0 Hz		
No.0 Spectrum Spe Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz Spe Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz able r Power 2001 pts stat Freq Stop Freq Integ BW Lower Upper 45.00 MHz 46.00 MHz 30.00 KHz 45.00 MHz 50.00 MHz 1.000 MHz -41.38 (-31.38) 48.16 M 50.00 MHz 140.00 MHz 1.000 MHz -41.13 (-61.13) 135.1 M 45.00 MHz 140.00 MHz -0.870 (-50.87) -45.00 M							· · · · ·		Absolute Limit			
Spectrum Spectrum Sp Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz Sp Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz Table Power 24.30 dBm / 90 MHz Upper Start Freq Stop Freq Integ BW dBm ALImit(dB) Freq (Hz) 45.00 MHz 30.00 kHz -554.05 (444.05) 45.01 M 46.00 MHz 30.00 kHz -54.05 (444.05) 45.01 M 45.00 MHz 1.000 MHz					٨					1. Contract (1997)		
Sp Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz 2001 pts Stable Power 24.30 dBm / 90 MHz Lower Upper 4Bm Start Freq Stop Freq Integ BW dBm ALimit(dB) Freq (Hz) dBm ALimit(dB) Freq (Hz) 45.00 MHz 46.00 MHz 30.00 KHz () 54.05 (-44.05) 45.01 M 48.16 M 50.00 MHz 1.000 MHz () -38.59 (-25.59) 79.25 M 135.0 MHz 1.000 MHz () -41.13 (-1.13) 135.1 M 45.00 MHz 1.000 MHz			5	10000	andla	AAAAAAA	ሳ		Spectrum			
Sp Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz 2001 pts Sp Center 2.5410 GHz Power 24.30 dBm / 90 MHz Lower Upper Start Freq Stop Freq Integ BW dBm ALimit(dB) Freq (Hz) dBm ALimit(dB) Freq (Hz) 45.00 MHz 30.00 kHz -54.05 (-44.05) 45.01 M 46.00 MHz 50.00 MHz 1.000 MHz () -54.05 (-44.05) 45.01 M 45.00 MHz 1.000 MHz -54.05 (-44.05) 45.01 M 45.00 MHz 1.000 MHz -54.05 (-41.05) 45.01 M 45.00 MHz 10.00 MHz				~~~~			- Sanakanan	and an end of the second second	anni anna anna anna anna anna anna anna			
Sp Center 2.5410 GHz Chan Det: Average, #Offs Det: Average Span 280.00 MHz 2001 pts Table Power 24.30 dBm / 90 MHz Lower Upper Start Freq Stop Freq Integ BW dBm ALimit(dB) Freq (Hz) dBm ALimit(dB) Freq (Hz) 45.00 MHz 45.00 MHz 1.000 MHz 554.05 (-44.05) 45.01 M 46.00 MHz 1.000 MHz () 41.38 (-31.38) 48.16 M 1.000 MHz () 38.59 (-25.59) 79.25 M 135.0 MHz 1.000 MHz () 41.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz () 45.00 M () 45.00 M												
Power 2001 pts Table Power 24.30 dBm / 90 MHz Start Freq Stop Freq Integ BW dBm ALimit(dB) Freq (Hz) 45.00 MHz 46.00 MHz 30.00 KHz 46.00 MHz 1.000 MHz 45.00 MHz 1000 MHz 45.00 MHz 1000 MHz	0.0											
24.30 dBm / 90 MHz Lower Upper Start Freq Stor Freq Item reg Upper Start Freq Stor Freq Upper Start Freq Stor Freq (Hz) Start Freq Upper Start Freq Stor Freq (Hz) Stor Freq (Hz) Stor Freq (Hz) Stor Freq (Hz) Class Stor Freq (Hz) 45.00 MHz 30.00 kHz	sp Center 2.	5410 GHz	Chan D	Det: Ave	rage, #Offs	Det: Average						
Lower Upper Start Freq Stop Freq Integ BW dBm \DeltaLimit(dB) Freq (Hz) dBm \DeltaLimit(dB) Freq (Hz) 45.00 MHz 46.00 MHz 30.00 kHz () -54.05 (-44.05) 45.01 M 46.00 MHz 50.00 MHz 1.000 MHz () 41.38 (-31.38) 48.16 M 50.00 MHz 135.0 MHz 1.000 MHz () -38.59 (-25.59) 79.25 M 135.0 MHz 140.0 MHz 10.00 MHz () -41.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) 45.00 M ()								20	urpis			
Start Freq Stop Freq Integ BW dBm \DeltaLimit(dB) Freq (Hz) dBm \DeltaLimit(dB) Freq (Hz) 45.00 MHz 46.00 MHz 30.00 kHz () -54.05 (-44.05) 45.01 M 46.00 MHz 50.00 MHz 1.000 MHz () -41.38 (-31.38) 48.16 M 50.00 MHz 135.0 MHz 1.000 MHz () -38.59 (-25.59) 79.25 M 135.0 MHz 140.0 MHz 1000 MHz () -41.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) 45.00 M ()	lable -	•		/ 90 MH	7			20	orpis			
45.00 MHz 46.00 MHz 30.00 kHz () 554.05 (-44.05) 45.01 M 46.00 MHz 50.00 MHz 1.000 MHz () 441.38 (-31.38) 48.16 M 50.00 MHz 135.0 MHz 1.000 MHz ()	「able	¥		/ 90 MH:		1			of pis			
46.00 MHz 50.00 MHz 1.000 MHz () 411.38 (-31.38) 48.16 M 50.00 MHz 135.0 MHz 1.000 MHz ()38.59 (-25.59) 79.25 M 135.0 MHz 140.0 MHz 1.000 MHz () 411.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) 45.00 M ()			24.30 dBm		Lower		dBm	Upper				
50.00 MHz 135.0 MHz 1.000 MHz ()38.59 (-25.59) 79.25 M 135.0 MHz 140.0 MHz 1.000 MHz ()41.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) -45.00 M ()	Start Freq	Stop Freq	24.30 dBm	dBm	Lower ∆Limit(dB)			Upper ∆Limit(dB)	Freq (Hz)			
135.0 MHz 140.0 MHz 1.000 MHz ()41.13 (-16.13) 135.1 M 45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) -45.00 M ()	Start Freq 45.00 MHz	Stop Freq 46.00 MHz	24.30 dBm Integ BW 30.00 kHz	dBm 	Lower ∆Limit(dB) ()		-54.05	Upper ∆Limit(dB) (-44.05)	Freq (Hz) 45.01 M			
45.00 MHz 140.0 MHz 910.0 kHz -0.870 (-50.87) -45.00 M ()	Start Freq 45.00 MHz 46.00 MHz	Stop Freq 46.00 MHz 50.00 MHz	24.30 dBm Integ BW 30.00 kHz 1.000 MHz	dBm 	Lower ∆Limit(dB) ()		-54.05 -41.38	Upper ∆Limit(dB) (-44.05) (-31.38)	Freq (Hz) 45.01 M 48.16 M			_
	Start Freq 45.00 MHz 46.00 MHz 50.00 MHz	Stop Freq 46.00 MHz 50.00 MHz 135.0 MHz	24.30 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	dBm 	Lower ∆Limit(dB) () ()	 	-54.05 -41.38 -38.59	Upper ∆Limit(dB) (-44.05) (-31.38) (-25.59)	Freq (Hz) 45.01 M 48.16 M 79.25 M			Loc
	Start Freq 45.00 MHz 46.00 MHz 50.00 MHz 135.0 MHz	Stop Freq 46.00 MHz 50.00 MHz 135.0 MHz 140.0 MHz	24.30 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz 1.000 MHz	dBm 	Lower ∆Limit(dB) () () ()		-54.05 -41.38 -38.59 -41.13	Upper ∆Limit(dB) (-44.05) (-31.38) (-25.59) (-16.13)	Freq (Hz) 45.01 M 48.16 M 79.25 M 135.1 M			Loc

90 M_Band Edge_Upper_Low_BPSK_1RB(1)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Prea S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq. 2.541000 Id: 100.00% of Std: None		Center Frequency 2.541000000 GHz CF Step	Settings
Graph			Ref L	Offset 34.	30 dB				16.100000 MHz	
ale/Div 10 dl	3		Ref Va	lue 30.0 dB	m				Auto	
og 0.0								Absolute Limit	Man	
0.0		manan	mar and	and and and and	Marther Marther Marther	Ward Ward Wards	A		Freq Offset	
									0 Hz	
0.0										_
0.0	and the second se						manne	Spectrum		
0.0	Manager and a state of the stat							Spectrum		
50.0								_		
50.0										
isp Center 2.5	4100 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			an 161.00 MHz 01 pts		
Table		Powe 25.65 dBr		z						
				Lower			Upper			
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	the state of the second s	Freq (Hz)		
45.00 MHz 46.00 MHz	46.00 MHz 50.50 MHz	1.000 MHz 1.000 MHz	-20.23 -23.83	(-7.23) (-10.83)	-45.02 M -46.00 M		()			
40.00 MHZ 50.50 MHZ	80.50 MHz	1.000 MHz	-25.65	(-10.83)	-50.50 M		() ()			
45.00 MHz	80.50 MHz	330.0 kHz	-20.00	()		-25.48	(-75.48)	45.00 M		Loc
8.000 MHz	12.50 MHz	1.000 MHz		()			()			
12 50 MH7	15.00 MHz	1 000 MHz		()			()			

90 M_Band Edge_Lower_Low_BPSK_FullRB(1)



EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.54100 old: 100.00% of Std: None		2.5410	Frequency 00000 GHz	Settings
Graph cale/Div 10 d	₹ B			/I Offset 34.3 alue 30.0 dB					CF Step 28.000 Aut	000 MHz	
og 0.0								Relative Limit	Ma		
0.0			~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm				Freq Off 0 Hz	'set	1
						-		Absolute Limit			
						-Palitabrahama		Spectrum	1.		
30.0		and the second second					and on the second second second second	Party and all all all all all all all all all al			
10.0											
50.0 60.0											
isp Center 2.	5410 GHz	Chan	Det: Ave	rage, #Offs	Det: Average	- I.		an 280.00 MHz 01 pts			
Table	Υ.	Powe 25.66 dBr		z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			_
45.00 MHz	46.00 MHz	1.000 MHz		()		-20.53	(-10.53)	45.00 M			
46.00 MHz 50.00 MHz											
135.0 MHz											Loc
45.00 MHz											-
12 50 MHz			-10.00	(-03.63)	-45.00 W	_	()				
50.00 MHz 1.000 MHz	1.000 MHz 1.000 MHz 910.0 kHz -19.83 1.000 MHz			() () (-69.83) ()	 -45.00 M 	-22.78 -22.59 -37.56 	(-12.78) (-9.59) (-12.56) () ()	46.00 M 51.25 M 136.0 M			Loca

90 M_Band Edge_Upper_Low_BPSK_FullRB(1)



Spectrum Analy SEM	zer 1 🔻	+							₿	Frequency	一湯
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB mp: Off	Trig: Free Rur Gate: Off IF Gain: Low	Avg Ho	Freq: 2.545020 ld: 100.00% of Std: None		Center Freq 2.54502000 CF Step		Settings
1 Graph Scale/Div 10 dl	т З			l Offset 34. lue 30.0 dE					14.904000	MHz	
20.0 10.0 0.00	<u> </u>							Absoliste llimitt	Man Freq Offset 0 Hz		
-10 0 -20.0 -30.0 -40.0					utrana uttana, anarat uttana at	40-10 1940 14 - 1600 - 184 -					
50.0 -60.0							reinister.	Spectrum			
Disp Center 2.5	64502 GHz	Char	Det: Ave	rage, #Offs	Det: Average			an 149.04 MHz)1 pts			ſ
2 Table		Powe 22.46 dBr		Z							
01.15				Lower			Upper	= 41.5			
Start Freq 45.00 MHz	Stop Freq 46.00 MHz	Integ BW 30.00 kHz	-41.23	△Limit(dB) (-31.23)	Freq (Hz) -45.03 M	dBm 	()	Freq (Hz)			
46.00 MHz 49.02 MHz 54.52 MHz	49.02 MHz 54.52 MHz 74.52 MHz	1.000 MHz 1.000 MHz 1.000 MHz	-32.55 -41.80 -42.87	(-22.55) (-28.80) (-17.87)	-46.03 M -49.13 M -54.82 M		() () ()				Local
45.00 MHz 12.50 MHz	74.52 MHz 74.52 MHz 15.00 MHz	270.0 kHz 1 000 MHz	-42.07	(-17.87) () ()	-04.82 M	-46.08	(-96.08) ()	53.17 M			
1 5		Jul 09, 202 10:51:10 Al	4 M	7							

90 M_Band Edge_Lower_Low_BPSK_1RB(2)



	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (\$ NFE: Adaptive	Pre S)	en: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg Ho	Freq: 2.54502 old: 100.00% of Std: None			requency 0000 GHz	Settings
Graph ale/Div 10 d	, B			vl Offset 34. alue 30.0 dE					28.0000		
g		<u>,</u>						Relative Limit	Man Man	1	
.0									Freq Offs	set	
00								Absolute Limit	0 Hz		
						1					
.0			-		monorman			Spectrum			
		- Andrew and the state of the s				- And a state of the state of t	and the second second second	and an and a superver of			
0.0	<u></u>						eriyayê yerdanaşiyê yerdanê				
.0	5450 GHz				s Det: Average		Sp	oan 280.00 MHz 01 pts			
0.0	5450 GHz Y		Det: Ave	erage, #Offs	s Det: Average		Sp				
D.0 Ep Center 2.	,	Chan Power 22.26 dBm	Det: Ave	erage, #Offs Iz Lower			Sp 20 Upper	01 pts			
able	v Stop Freq	Chan Power 22.26 dBm Integ BW	Det: Ave	erage, #Offs	s Det: Average Freq (Hz)	dBm	Sp 20 Upper ∆Limit(dB)	01 pts Freq (Hz)			
able Start Freq 45.00 MHz	Stop Freq 46.00 MHz	Chan Power 22.26 dBm Integ BW 30.00 kHz	Det: Ave 1 / 90 MH dBm 	erage , #Offs Iz ∆Limit(dB) ()	Freq (Hz)	dBm -56.88	Sp 20 Upper ∆Limit(dB) (-46.88)	01 pts Freq (Hz) 45.44 M			
able Start Freq 45.00 MHz	Stop Freq 46.00 MHz 50.00 MHz	Chan Power 22.26 dBm Integ BW 30.00 kHz 1.000 MHz	Det: Ave 1 / 90 MH dBm 	erage , #Offs Iz ∆Limit(dB) () ()	Freq (Hz)	dBm -56.88 -43.17		01 pts Freq (Hz) 45.44 M 47.98 M			
able Start Freq 45.00 MHz 50.00 MHz	Stop Freq 46.00 MHz 50.00 MHz 135.0 MHz	Chan Power 22.26 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	Det: Ave , 90 MH dBm 	erage , #Offs Iz ∆Limit(dB) () ()	Freq (Hz) 	dBm -56.88 -43.17 -41.31	Upper ∆Limit(dB) (-46.88) (-33.17) (-28.31)	01 pts Freq (Hz) 45.44 M 47.98 M 132.0 M			Loc
able Start Freq 45.00 MHz	Stop Freq 46.00 MHz 50.00 MHz	Chan Power 22.26 dBm Integ BW 30.00 kHz 1.000 MHz	Det: Ave 1 / 90 MH dBm 	erage , #Offs Iz ∆Limit(dB) () ()	Freq (Hz)	dBm -56.88 -43.17		01 pts Freq (Hz) 45.44 M 47.98 M			Loc

90 M_Band Edge_Upper_Low_BPSK_1RB(2)



Spectrum Analy SEM	zer 1 🗸	+							₿	Frequency	- 7 ※
	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive		: 20 dB mp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg Ho	Freq: 2.54502 old: 100.00% of Std: None		Center Fr 2.545020 CF Step	equency 0000 GHz	Settings
1 Graph				Offset 34.					14.90400	0 MHz	
Scale/Div 10 dl	3		Ref Val	ue 30.0 dB	im			Absolute Limit	Auto Man	3	
20.0 10.0 0.00 -10.0		-anguan - Anana - Anana - Anana - Anana	Alana ana ang			an she an a	~		Freq Offs 0 Hz	et	
-20.0 -30.0 -40.0 50.0							Mali Juria	Spectrum www.ningan.com/com/			
-60.0 Disp Center 2.5	54502 GHz	Chan D	et: Aver	age, #Offs	Det: Average	•		oan 149.04 MHz 01 pts			
2 Table	Ţ	Power 25.41 dBm /	90 MHz								
				Lower			Upper				
Start Freq	Stop Freq			∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
45.00 MHz 46.00 MHz	46.00 MHz 49.02 MHz		20.65 26.88	(-10.65) (-16.88)	-45.00 M -46.09 M		()				
49.02 MHz	54.52 MHz		28.11	(-15.11)	-49.05 M						
54.52 MHz	74.52 MHz		31.10	(-6.10)	-55.02 M		()				Local
45.00 MHz	74.52 MHz	270.0 kHz		()		-29.82	(-79.82)	45.00 M			
		1 000 MHz Jul 09, 2024 10:49:59 AM	\bigcirc	()							

90 M_Band Edge_Lower_Low_BPSK_FullRB(2)



Spectrum Analy: SEM	zer 1 🔻	+							$\mathbf{\dot{\mathbf{v}}}$	Frequency	- 7 🛞
	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg	er Freq: 2.545020 Hold: 100.00% of o Std: None			requency 0000 GHz	Settings
1 Graph				l Offset 34.					28.0000	00 MHz	
Scale/Div 10 dl	3		Ref Va	lue 30.0 dE	im				Auto	,	
20.0								Relative Limit	Man		
10.0					man				Freq Offs	et	
0.00		ſ	ward and						0 Hz		
-10.0								Absolute Limit			
-20.0											
-30.0		and an and the second				a second	and the manual and	Spectrum			
-40.0		- and the second second									
50.0											
-60.0											
Disp Center 2.5	5450 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			an 280.00 MHz 01 pts			
2 Table		Powe 25.40 dBr		z							
	-			Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm		Freq (Hz)			
45.00 MHz	46.00 MHz	1.000 MHz		()		-23.7		45.04 M			
46.00 MHz	50.00 MHz	1.000 MHz		()		-25.6		46.04 M			
50.00 MHz	135.0 MHz	1.000 MHz		()		-27.3		50.50 M			1 007
135.0 MHz	140.0 MHz	1.000 MHz		()		-34.9	` '	135.6 M			Local
45.00 MHz	140.0 MHz	910.0 kHz	-21.10	(-71.10)	-45.00 M	-	()				
12 50 MHz	15 00 MHz	1 000 MH7		()							
1 5 (Jul 09, 202 10:50:36 Al	4 M	<u>\</u>							

90 M_Band Edge_Upper_Low_BPSK_FullRB(2)





	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S NFE: Adaptive	Prea	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.59299 old: 100.00% ol Std: None		2.59299	requency 00000 GHz	Settings
Graph	÷			0	0.45				CF Step	000 MHz	
cale/Div 10 dl	3			I Offset 34. alue 30.0 dB					Aut		
og								Relative Limit	Aut		
20.0			~~~~	m	mm				Freq Off 0 Hz	set	
10.0								Absolute Limit	0112		
20.0		white a bit				All Second					
30.0	- State of the state of the state	and the property of the second section of the second second second second second second second second second se				in the second second	No. 19 Contraction of the Astron	Spectrum			
40.0								Photos and Make			
50.0											
60.0 Iisp Center 2.5	930 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			oan 280.00 MHz 01 pts			
Table	Υ.	Power									
		25.84 dBm	/ 90 MH	z							
				Lower			Upper				
Start Freq	Stop Freq		dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
45.00 MHz	46.00 MHz		-17.51	(-7.51)	-45.02 M	-21.20	(-11.20)	45.02 M			
46.00 MHz	50.00 MHz	1.000 MHz	-21.55	(-11.55)	-46.06 M	-22.33	(-12.33)	49.80 M			-
	135.0 MHz	1.000 MHz	-21.59	(-8.59)	-51.00 M	-21.34	(-8.34)	50.00 M			Loca
50.00 MHz	140.0 MHz	1.000 MHz	-48.69	(-23.69)	-139.7 M	-48.57	(-23.57)	135.5 M			Loca
50.00 MHz 135.0 MHz				()			()				
50.00 MHz	12.50 MHz	1.000 MHz 1.000 MHz		()			()				

90 M_Band Edge_Mid_BPSK_FullRB





EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Pre S)	en: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.64498 ld: 100.00% of Std: None		2.6449	Frequency 80000 GHz	Settings
Graph cale/Div 10 d	₹ B			vl Offset 34. alue 30.0 dB					CF Step 28.000	000 MHz	1
0.0								Relative Limit	Ma Ma		
0.0									Freq Off 0 Hz	fset	1
0.0						<u> </u>		Absolute Limit		_	
0.0				ĥ							
		American	hunner	months he	manner	Anna and an and an		Spectrum			
0.0 i0.0	nantana arang a	American	harrister	man he	manner	wanawananan	hannen	Spectrum			
0.0	6450 GHz	Chan	Det: Ave		Det: Average	- Antipartantanta	Sp	Spectrum pan 280.00 MHz 01 pts			
0.0 0.0 0.0	6450 GHz ¥	Power	R	erage, #Offs		- Parties and	Sp	an 280.00 MHz			
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0			R	erage , #Offs		- Antion of an Antion of Antion	Sp 20	an 280.00 MHz			
sp Center 2.	Y	Power 22.53 dBn	r n / 90 MH	erage , #Offs Iz Lower	Det: Average		Sp 20 Upper	an 280.00 MHz 01 pts			
sp Center 2.	▼ Stop Freq	Power 22.53 dBn Integ BW	r n / 90 MH dBm	erage , #Offs iz Lower ∆Limit(dB)	Det: Average	dBm	Sp 20 Upper ∆Limit(dB)	an 280.00 MHz 01 pts Freq (Hz)			
sp Center 2.	Stop Freq 46.00 MHz	Power 22.53 dBn Integ BW 30.00 kHz	r n / 90 MH dBm -55.88	erage , #Offs iz ΔLimit(dB) (-45.88)	Det: Average Freq (Hz) -45.38 M	dBm -41.15	Sp 20 Upper ∆Limit(dB) (-31.15)	an 280.00 MHz 01 pts Freq (Hz) 45.01 M			
sp Center 2.	• Stop Freq 46.00 MHz 50.00 MHz	Power 22.53 dBn Integ BW 30.00 kHz 1.000 MHz	r n / 90 MH dBm -55.88 -39.76	erage, #Offs Iz ∆Limit(dB) (-45.88) (-29.76)	Det: Average Freq (Hz) -45.38 M -48.30 M	dBm -41.15 -32.85	20 Upper ∆Limit(dB) (-31.15) (-22.85)	an 280.00 MHz 01 pts Freq (Hz) 45.01 M 46.00 M			
sp Center 2. Fable Start Freq 45.00 MHz 50.00 MHz	Stop Freq 46.00 MHz 50.00 MHz 135.0 MHz	Power 22.53 dBn Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	r n / 90 MH dBm -55.88 -39.76 -36.21	erage, #Offs Lower ∆Limit(dB) (-45.88) (-29.76) (-23.21)	Freq (Hz) -45.38 M -48.30 M -79.00 M	dBm -41.15 -32.85 -40.53	Upper ΔLimit(dB) (-22.85) (-27.53)	an 280.00 MHz 01 pts Freq (Hz) 45.01 M 46.00 M 50.75 M			
sp Center 2.	• Stop Freq 46.00 MHz 50.00 MHz	Power 22.53 dBn Integ BW 30.00 kHz 1.000 MHz	r n / 90 MH dBm -55.88 -39.76	erage, #Offs Iz ∆Limit(dB) (-45.88) (-29.76)	Det: Average Freq (Hz) -45.38 M -48.30 M	dBm -41.15 -32.85	20 Upper ∆Limit(dB) (-31.15) (-22.85)	an 280.00 MHz 01 pts Freq (Hz) 45.01 M 46.00 M			Log

90 M_Band Edge_High_BPSK_1RB



	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Pre (S)	en: 20 dB amp: Off	Trig: Free F Gate: Off IF Gain: Lo		Avg Ho	Freq: 2.64498 ld: 100.00% of std: None		property and a second	Frequency 80000 GHz	Settings
Graph			Pofi	vl Offset 34.	30 dB					and the second second	, 000 MHz	
cale/Div 10 dB	3			alue 30.0 dB						Au		
og 0.0									Relative Limit	Ma		
0.0			provide the state of the	personal territory		5				Freq Of 0 Hz	fset	
0.0						_			Absolute Limit	0112		
0.0												
0.0		anonenenenen				Lin	NY ANTINGUNGAL					
	- and the second se					- Cal	11111111111	Man	Spectrum			
0.0												
sp Center 2.6	450 GHz	Char	n Det: Ave	erage, #Offs	Det: Averag	je			oan 280.00 MHz 01 pts			
Table	*	Powe	r									
		25.54 dB	m / 90 MH	z								
				Lower				Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)		dBm	∆Limit(dB)	Freq (Hz)			
45.00 MHz	46.00 MHz	1.000 MHz	-20.49	(-10.49)	-45.00 M		-25.77	(-15.77)	45.03 M			
46.00 MHz	50.00 MHz	1.000 MHz	-27.16	(-17.16)	-46.02 M		-30.36	(-20.36)	46.00 M			
50.00 MHz	135.0 MHz	1.000 MHz	-33.53	(-20.53)	-68.25 M		-34.65	(-21.65)	50.75 M			Loc
135.0 MHz 8.000 MHz	140.0 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-40.46	(-15.46)	-135.3 M		-48.71	(-23.71)	135.4 M			200
	12.50 10112	1.000 MHz		()				()				

90 M_Band Edge_High_BPSK_FullRB



Freq Offset 0 Hz	
Absolute Lumit Absolute Lumit	
10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00	
20 0 30 0 40 0 50 0	
40.0 50.0 60.0 Disp Center 2.54601 GHz Chan Det: Average, #Offs Det: Average Span 171.02 MHz 2001 pts	
Disp Center 2.54601 GHz Chan Det: Average, #Offs Det: Average Span 171.02 MHz 2001 pts	
District Power	
22.35 dBm / 100 MHz	
Lower Upper	
Start Freq Stop Freq Integ BW dBm \Limit(dB) Freq (Hz) dBm \Limit(dB) Freq (Hz)	
50.01 MHz 51.01 MHz 30.00 HHz -40.94 (-27.94) -50.03 M ()	
51.01 MHz 55.51 MHz 1.000 MHz -31.86 (-18.86) -51.01 M () 55.51 MHz 85.51 MHz 1.000 MHz -42.47 (-17.47) -56.86 M ()	
	Loc
50.01 MHz 85.51 MHz 330.0 kHz ()45.40 (-95.40) 51.00 M 8.000 MHz 12.50 MHz 1.000 MHz () ()	
12 50 MHz 12.50 MHz 1.000 MHz	

100 M_Band Edge_Lower_Low_BPSK_1RB(1)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg F	er Freq: 2.54601 lold: 100.00% of Std: None		The rest of the re	requency 10000 GHz	Settings
Graph			Ref Ly	I Offset 34.	30 dB					000 MHz	
cale/Div 10 dl	3			lue 30.0 dB					Aut	•	
og 20.0								Relative Limit	Ma		
0.0									Freq Of	set	
.00								Absolute Limit	0 Hz		
0.0								Ausoidte cittit			
0.0				٨					1.1		
0.0			-		manne	Λ		Spectrum			
0.0		and the second second	- marine	- and the second second		harmon		man 1_			
0.0											
isp Center 2.5	460 GHz	Char	1 Det: Ave	rage, #Offs	Det: Average			oan 310.00 MHz 01 pts			
Table	۲	Powe 22.46 dBm		z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
50.00 MHz	51.00 MHz	30.00 kHz		()		-53.45	(-43.45)	50.97 M			
51.00 MHz	55.00 MHz	1.000 MHz		()		-43.31		51.22 M			
55.00 MHz	150.0 MHz	1.000 MHz		()		-40.21		146.8 M			
150.0 MHz	155.0 MHz	1.000 MHz		()		-47.86	(/	152.6 M			Loc
50.00 MHz	155.0 MHz 15.00 MHz	1.000 MHz	1.473	(-48.53)	-50.00 M	-	()				
12 50 MHz							- ()				

100 M_Band Edge_Upper_Low_BPSK_1RB(1)



Cale/Div 10 dB Ref Value 30.0 dBm Ref Value 30.0 dBm Attained to the second s		.102000 MHz						/e	Freq Ref: Int NFE: Adaptiv	Align: Auto	L +>- PASS
Og Abstratute Limit Man Freq Offset 000						30 dB	I Offset 34.3	Ref Lv			Graph
000 000 000 000 000 000 000 000 000 00		Auto				m	lue 30.0 dB	Ref Va		3	
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			Absolute Limit								og
200 Spectrum 300 400 500			1992		and the second second	gilang dilang dilang dilang dilang	aber valande valande segure	kanteringer	jitanakteri setari setari set		10.0 0.00
			Spectrum	hurran gura						The second s	20.0 30.0
			an 171.02 MHz	Span		Det: Average	rage, #Offs	n Det: Ave	Char	4601 GHz	50.0 60.0 Isp Center 2.5
2001 pts			1 pts	2001							
Table Power 25.64 dBm / 100 MHz							z			*	Table
Lower Upper				Upper			Lower				
Start Freq Stop Freq Integ BW dBm			Freq (Hz)		dBm ∆Li						
50.01 MHz 51.01 MHz 1.000 MHz -19.54 (-6.54) -50.02 M ()											
51.01 MHz 55.51 MHz 1.000 MHz -24.74 (-11.74) -51.01 M ()											
55.51 MHz 85.51 MHz 1.000 MHz -26.31 (-1.31) -55.66 M () ()			8								
50.01 MHz 85.51 MHz 330.0 kHz ()27.66 (-77.66) 51.58 M	10				-27.66		()		330.0 kHz	85.51 MHz	50.01 MHz
8.000 MHz 12.50 MHz 1.000 MHz - () - () -	Loc		51.58 M						4 000 1411-	10 50 1411-	0.000 1.411-

100 M_Band Edge_Lower_Low_BPSK_FullRB(1)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.54601 old: 100.00% ol Std: None		Center Freq 2.5460100 CF Step		Settings
Graph			Ref L	I Offset 34.	30 dB				31.000000	MHz	
cale/Div 10 dl	3		Ref Va	lue 30.0 dB	m				Auto		
_og 20.0								Relative Limit	Man		
10.0					mm				Freq Offset		
0.00			/****						0 Hz		
10.0								Absolute Limit			
								Spectrum			
		mont				1.1. W. S. T. S.	*****	What what			
		1						ALLA COLORIS			
-50.0											
60.0											
Disp Center 2.5	460 GHz	Char	Det: Ave	rage, #Offs	Det: Average			oan 310.00 MHz 01 pts			
? Table		Powe	r								
		25.65 dBm	/ 100 MH	z							
				Lower			Upper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
50.00 MHz	51.00 MHz	1.000 MHz		()		-23.19	(-13.19)	50.06 M			
51.00 MHz	55.00 MHz	1.000 MHz		()		-24.21	(-14.21)	51.24 M			
55.00 MHz 150.0 MHz	150.0 MHz	1.000 MHz		()		-23.98	(-10.98)	55.25 M			Loc
	155.0 MHz 155.0 MHz	1.000 MHz 1.000 MHz	-18.89	() (-68.89)	-50.00 M	-39.57	(-14.57)	152.3 M			200
	100.0 MHZ		-10.09		-50.00 M		()				
50.00 MHz 12 50 MHz	15 00 MHz	1 000 MHz		()			()				

100 M_Band Edge_Upper_Low_BPSK_FullRB(1)





			· · · _		-9ccom						
Spectrum Analy SEM	zer 1 🔻	+								Frequency	· • 🕌
KEYSIGHT RL ++- IVI PASS	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S NFE: Adaptive	Prea	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg Hc	Freq: 2.55000 Id: 100.00% of Std: None			requency 00000 GHz	Settings
1 Graph	•		Pof I v	Offset 34.	20 dB					000 MHz	
Scale/Div 10 dl	в			lue 30.0 dB					Auto		
20.0								Absolute Limit	Mar		
10.0									Freq Offs 0 Hz	set	
-10.0 -20.0 -30.0							<u>^</u>				
-40.0		hanssensession pairwanteen	ente professor	energeneered Van	Maganiatin Childrey Colony	Mart Mart And Contraction	winner.	Spectrum National Joint Contraction			
Disp Center 2.5	55000 GHz	Chan I	et: Ave	rage, #Offs	Det: Average	2		an 159.00 MHz 01 pts			
? Table	۲	Power / 21.70 dBm	100 MH:	Z							
				Lower			Upper				
Start Freq	Stop Freq			∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)			
50.00 MHz	51.00 MHz		-40.72	(-30.72)	-50.01 M		()				
51.00 MHz	54.00 MHz		-31.09	(-21.09)	-51.06 M		()				
54.00 MHz	59.50 MHz		-39.67	(-26.67)	-54.55 M		()				Loca
59.50 MHz	79.50 MHz		-43.04	(-18.04)	-59.60 M	47.05	()				LUCA
50.00 MHz	79.50 MHz	270.0 kHz 1 000 MHz		()		-47.35	(-97.35)	51.15 M			
 		? Jul 09, 2024 11:03:38 AM	\odot	<u>\</u>							

100 M_Band Edge_Lower_Low_BPSK_1RB(2)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Pre (S)	en: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg H	r Freq: 2.55000 old: 100.00% of Std: None		Center Frequency 2.550000000 GH	
Graph			Ref L	vl Offset 34.	30 dB				31.000000 MHz	
cale/Div 10 dl	в		Ref Va	alue 30.0 dE	lm				Auto	
og 0.0								Relative Limit	Man	
0.0									Freg Offset	
00									0 Hz	
0								Absolute Limit	0 HZ	
D.0										
0.0						A				
0.0		کریں	Contractor of	manufacture has	noner many and			Spectrum		
0.0						-		Marine Car		
sp Center 2.	5500 GHz	Char	Det: Ave		Det: Average		Sn	an 310.00 MHz		
			I Dou Are	alage, #One	- Dott Milorage			01 pts		
	¥	Powe		andge, #ons	Dott Mortago					
			:Г							
		Powe	:Г							
- Table		Powe	:Г	IZ	Freq (Hz)	dBm	20			
Fable Start Freq 50.00 MHz	,	Powe 21.28 dBm	er 1 / 100 MH	Iz Lower			20 Upper ∆Limit(dB)	01 pts		
Table Start Freq 50.00 MHz 51.00 MHz	• Stop Freq 51.00 MHz 55.00 MHz	Powe 21.28 dBm Integ BW 30.00 kHz 1.000 MHz	er 1/ 100 MH dBm	lz Lower ∆Limit(dB)	Freq (Hz)	dBm -54.14 -42.92	20 Upper ΔLimit(dB) (-44.14) (-32.92)	01 pts Freq (Hz) 50.85 M 51.00 M		
Table Start Freq 50.00 MHz 51.00 MHz 55.00 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz	Powe 21.28 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	er 1/ 100 MH dBm 	lz Lower ∆Limit(dB) ()	Freq (Hz)	dBm -54.14 -42.92 -41.74	20 Upper ∆Limit(dB) (-44.14) (-32.92) (-28.74)	01 pts Freq (Hz) 50.85 M 51.00 M 105.8 M		
Table Start Freq 50.00 MHz 51.00 MHz 55.00 MHz 150.0 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz 155.0 MHz	Powe 21.28 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz 1.000 MHz	er dBm 	Iz	Freq (Hz) 	dBm -54.14 -42.92	Upper ∆Limit(dB) (-44.14) (-32.92) (-28.74) (-21.94)	01 pts Freq (Hz) 50.85 M 51.00 M		Loc
able Start Freq 50.00 MHz 51.00 MHz 55.00 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz	Powe 21.28 dBm Integ BW 30.00 kHz 1.000 MHz 1.000 MHz	er dBm 	Iz Lower (dB) () ()	Freq (Hz)	dBm -54.14 -42.92 -41.74	20 Upper ∆Limit(dB) (-44.14) (-32.92) (-28.74)	01 pts Freq (Hz) 50.85 M 51.00 M 105.8 M		Loc

100 M_Band Edge_Upper_Low_BPSK_1RB(2)



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Prea (S)	n: 20 dB imp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Hol	Freq: 2.55000 ld: 100.00% of 6td: None		and a second sec	Frequency 00000 GHz	Settings
Graph ale/Div 10 dl	v B			l Offset 34. lue 30.0 dB					15.900	000 MHz to	
) 0 0.0 0.0		whenthermational	rdynandyfrei fwr	watwoinnigowallym	เป็นที่มีสาร์สาร์สาร์สาร์สาร์สาร์สาร์สาร์สาร์สาร์	un and an and a second	hyunny	Abdoliste Liimit	Ma Freq Of 0 Hz		
0.0									0 HZ		
).0	un and a state of the state of						No. of Concession, Name	Spectrum			
0.0											
0.0	55000 GHz	Chan	Det: Ave	rage, #Offs	Det: Average			oan 159.00 MHz 101 pts			
.0 p Center 2.5	55000 GHz	Chan Power 25.51 dBm	ī		Det: Average						
.0 p Center 2.5 able	•	Power 25.51 dBm	r / 100 MHz	Z	-		20 Upper	01 pts			
.0 p Center 2.5 able Start Freq	• Stop Freq	Power 25.51 dBm Integ BW	r / 100 MHz dBm	Lower ∆Limit(dB)	Freq (Hz)	dBm	20 Upper ∆Limit(dB)				
able Start Freq 50.00 MHz	T Stop Freq 51.00 MHz	Power 25.51 dBm Integ BW 1.000 MHz	r / 100 MHz dBm -19.70	Z Lower ∆Limit(dB) (-9.70)	Freq (Hz) -50.02 M		Upper ∆Limit(dB) ()	101 pts Freq (Hz) 			
able Start Freq 50.00 MHz 51.00 MHz	• Stop Freq	Power 25.51 dBm Integ BW	r / 100 MHz dBm	Lower ∆Limit(dB)	Freq (Hz) -50.02 M -51.03 M		20 Upper ∆Limit(dB) () ()	01 pts			
able Start Freq 50.00 MHz 51.00 MHz 54.00 MHz	• Stop Freq 51.00 MHz 54.00 MHz	Power 25.51 dBm Integ BW 1.000 MHz 1.000 MHz	r / 100 MHz dBm -19.70 -25.66	Z Lower ∆Limit(dB) (-9.70) (-15.66)	Freq (Hz) -50.02 M		Upper ∆Limit(dB) ()	101 pts Freq (Hz) 			Loc
0.0 0.0 sp Center 2. 2.0 fable 5.00 MHz 51.00 MHz 51.00 MHz 54.00 MHz 59.50 MHz 59.50 MHz 50.00 MHz 50.00 MHz 12.50 MHz	Stop Freq 51.00 MHz 54.00 MHz 59.50 MHz	Power 25.51 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz	r / 100 MHz dBm -19.70 -25.66 -33.57	Lower ∆Limit(dB) (-9.70) (-15.66) (-20.57)	Freq (Hz) -50.02 M -51.03 M -54.00 M	 	20 Upper ∆Limit(dB) () ()	101 pts Freq (Hz) 			Loc

100 M_Band Edge_Lower_Low_BPSK_FullRB(2)



l	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	en: 20 dB amp: Off	Trig: Free Run Gate: Off IF Gain: Low	Avg Ho	Freq: 2.55000 old: 100.00% of Std: None		Center Fr 2.550000 CF Step	requency 0000 GHz	Settings
Graph cale/Div 10 dl	т З			vl Offset 34. alue 30.0 dB					31.00000		
og 0.0								Relative Limit	Man		
0.0			مممر	\sim	www.				Freq Offs	et	
								Absolute Limit	0 Hz		
0.0		/						Spectrum			
0.0		North Walter Street Walter				A STREET, STRE	-Arrowner of the Contraction of the	where where the second s			
0.0											
sp Center 2.5	500 GHz	Chai	n Det: Ave	erage, #Offs	Det: Average			an 310.00 MHz 01 pts			
	5500 GHz	Char Powe 25.49 dBm	er		Det: Average						
		Powe	er		Det: Average						
Table Start Freq	• Stop Freq	Powe 25.49 dBm Integ BW	er	z	Det: Average	dBm	20 Upper ∆Limit(dB)	01 pts Freq (Hz)			
Table Start Freq 50.00 MHz	• Stop Freq 51.00 MHz	Powe 25.49 dBm Integ BW 1.000 MHz	er 1 / 100 MH	z		-27.32	20 Upper ∆Limit(dB) (-17.32)	01 pts Freq (Hz) 50.01 M			
Table Start Freq 50.00 MHz 51.00 MHz	• Stop Freq 51.00 MHz 55.00 MHz	Powe 25.49 dBm Integ BW 1.000 MHz 1.000 MHz	er n / 100 MH dBm 	z ∆Limit(dB) ()	Freq (Hz)	-27.32 -29.56	20 Upper ∆Limit(dB) (-17.32) (-19.56)	01 pts Freq (Hz) 50.01 M 51.02 M			
Table Start Freq 50.00 MHz 51.00 MHz 55.00 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz	Powe 25.49 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz	er h / 100 MH dBm 	z Lower Limit(dB) () ()	Freq (Hz)	-27.32 -29.56 -31.58	20 Upper ∆Limit(dB) (-17.32) (-19.56) (-18.58)	Freq (Hz) 50.01 M 51.02 M 56.50 M			
51.00 MHz 55.00 MHz 150.0 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz 155.0 MHz	Powe 25.49 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz	er dBm 	z ∆Limit(dB) () () ()	Freq (Hz) 	-27.32 -29.56	Upper ∆Limit(dB) (-17.32) (-19.56) (-18.58) (-16.27)	01 pts Freq (Hz) 50.01 M 51.02 M			Loc
Table Start Freq 50.00 MHz 51.00 MHz 55.00 MHz	Stop Freq 51.00 MHz 55.00 MHz 150.0 MHz	Powe 25.49 dBm Integ BW 1.000 MHz 1.000 MHz 1.000 MHz	er h / 100 MH dBm 	z Lower Limit(dB) () ()	Freq (Hz)	-27.32 -29.56 -31.58	20 Upper ∆Limit(dB) (-17.32) (-19.56) (-18.58)	Freq (Hz) 50.01 M 51.02 M 56.50 M			Loc

100 M_Band Edge_Upper_Low_BPSK_FullRB(2)



Z 50 Q Atten: 20 dB Trig: Free Run Center Freq: 2.592990000 GHz CCorr Preamp: Off Gate: Off Avg Hold: 100.00% of 20 Ref: Int (S) IF Gain: Low Radio Std: None	: 100.00% of 20	100.00% of 20 Center Frequency	Settings
Ref LvI Offset 34.30 dB		31.000000 MHz	
Ref Value 30.0 dBm		Auto	
Relative Limit	Relati		
		Freq Offset	1
Absolute Lim	Absolu	Absolute Limit	
Spectrum	www.www.www.s	Spectrum	
	1		
Chan Det: Average, #Offs Det: Average Span 310.00 MH 2001 pts	Span 310.0	Span 310.00 MHz	
	Span 310.0	Span 310.00 MHz	
2001 pts	Span 310.0	Span 310.00 MHz	
2001 pts Power I3 dBm / 100 MHz Lower Upper	Span 310.0 2001 pts	Span 310.00 MHz 2001 pts	
2001 pts Power I3 dBm / 100 MHz Lower Upper W dBm ΔLimit(dB) Freq (Hz) dBm ΔLimit(dB) Freq (Hz)	Span 310.0 2001 pts Upper ALimit(dB) Freq (Hz	Span 310.00 MHz 2001 pts Upper Limit(dB) Freq (Hz)	
2001 pts Power 33 dBm / 100 MHz Lower Upper W dBm ΔLimit(dB) Freq (Hz) dBm ΔLimit(dB) Freq (Hz) MHz -18.32 (-8.32) -50.01 M -22.57 (-12.57) 50.01 M	Span 310.0 2001 pts Upper SLimit(dB) Freq (Hz (-12.57) 50.01	Span 310.00 MHz 2001 pts Upper Limit(dB) Freq (Hz) (-12.57) 50.01 M	
2001 pts Power 13 dBm / 100 MHz Lower Upper W dBm ALimit(dB) Freq (Hz) dBm ALimit(dB) Freq (Hz) MHz -18.32 (-8.32) -50.01 M -22.57 (-12.57) 50.01 M MHz -22.76 (-12.76) -51.00 M -22.90 (-12.90) 51.10 M	Span 310.0 2001 pts Upper Limit(dB) Freq (Hz (-12.57) 50.01 (-12.90) 51.10	Span 310.00 MHz 2001 pts Upper Limit(dB) Freq (Hz) (-12.57) 50.01 M (-12.90) 51.10 M	
2001 pts Power 13 dBm / 100 MHz Lower Upper W dBm ΔLimit(dB) Freq (Hz) MHz -18.32 (-8.32) -50.01 M -22.57 (-12.57) 50.01 M MHz -22.66 (-12.76) -51.00 M -22.90 (-12.90) 51.10 M MHz -23.09 (-10.09) -67.00 M -21.38 (-8.38) 64.50 M	Span 310.0 2001 pts Upper LLimit(dB) Freq (Hz (-12.57) 50.01 (-12.90) 51.10 (-8.38) 64.50	Span 310.00 MHz 2001 pts Upper Limit(dB) Freq (Hz) (-12.57) 50.01 M (-12.90) 51.10 M (-8.38) 64.50 M	
2001 pts Power 13 dBm / 100 MHz Lower Upper W dBm ALimit(dB) Freq (Hz) dBm ALimit(dB) Freq (Hz) MHz -18.32 (-8.32) -50.01 M -22.57 (-12.57) 50.01 M MHz -22.76 (-12.76) -51.00 M -22.90 (-12.90) 51.10 M	Span 310.0 2001 pts Upper LLimit(dB) Freq (Hz (-12.57) 50.01 (-12.90) 51.10 (-8.38) 64.50 (-23.61) 152.4	Span 310.00 MHz 2001 pts Upper Limit(dB) Freq (Hz) (-12.57) 50.01 M (-12.90) 51.10 M (-8.38) 64.50 M (-23.61) 152.4 M	Loc

100 M_Band Edge_Mid_BPSK_FullRB





	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int NFE: Adaptiv	Prea (S)	n: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low	Avg	nter Freg: 2 g Hold: 100 dio Std: No	.00% of		president and the second	Frequency 00000 GHz	Settings
Graph			RefL	I Offset 34.	30 dB					and the second second	, 000 MHz	
ale/Div 10 dB	3			alue 30.0 dB						Au		
0.0	- 								Relative Limit	Ma		
						1						
0.0										Freq Of	fset	
00									Absolute Limit	0 Hz		
0.0												
0.0				٨						1.0		
0.0			hans	malh	mon	h.						
0.0 - Annan	Carlo and a state of the state					- Antertrantiant	14-Virlan		Spectrum			
0.0												
sp Center 2.6	400 GHz	Char	Det: Ave	rage, #Offs	Det: Average				an 310.00 MHz 01 pts			
Table		Powe	r									
		21.47 dBm	/ 100 MH	z								
				Lower			ા	Jpper				
Start Freq	Stop Freq	Integ BW	dBm	∆Limit(dB)	Freq (Hz)	dBm			Freq (Hz)			
50.00 MHz	51.00 MHz	30.00 kHz	-51.40	(-41.40)	-50.92 M	-40.	63 (-3	30.63)	50.01 M			
51.00 MHz	55.00 MHz	1.000 MHz	-39.51	(-29.51)	-51.10 M	-31.	65 (-2	21.65)	51.00 M			
55.00 MHz	150.0 MHz	1.000 MHz	-39.38	(-26.38)	-73.50 M	-40.		27.33)	55.50 M			
150.0 MHz	155.0 MHz	1.000 MHz	-46.58	(-21.58)	-150.3 M	-48.	81 (-2	23.81)	150.8 M			Loc
8.000 MHz	12.50 MHz	1.000 MHz		()				()				
12 50 MHz	15 00 MHz	1 000 MHz		()				()				

100 M_Band Edge_High_BPSK_1RB



Spectrum Analy, SEM	zer 1	+								\$	Frequency	· ·]器
KL -	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (NFE: Adaptive	Prea (S)	en: 20 dB amp: Off	Trig: Free Ru Gate: Off IF Gain: Low			eq: 2.64000 100.00% of I: None		president and a second second	Frequency 00000 GHz	Settings
1 Graph Scale/Div 10 df	۲ 3	NFE. Adaptiv	Ref L	vi Offset 34. alue 30.0 dE						CF Step 31.0000 Aut	000 MHz	
Log 20.0									Relative Limit	Mar		
10.0			www	~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	١				Freq Off	set	
-10.0									Absolute Limit	0 Hz		
-20.0									- L			
-30.0	***	and a state of the				-second	WWWWWWWWWW					
-50.0							"A		Spectrum			
-60.0												
Disp Center 2.6	400 GHz	Chan	Det: Ave	erage, #Offs	Det: Average				an 310.00 MHz 01 pts			
2 Table	Υ.	Powe	r									
		25.61 dBm	/ 100 MH	z								
Start Freq	0100 5000	Inter DW	dBm	Lower ∆Limit(dB)	Free (Lin)		Bm 2	Upper Limit(dB)	Free (Urs)			
50.00 MHz	Stop Freq 51.00 MHz	Integ BW 1.000 MHz	-18.21	(-8.21)	Freq (Hz) -50.00 M		28.88	(-18.88)	Freq (Hz) 50.06 M			
51.00 MHz	55.00 MHz	1.000 MHz	-25.87	(-15.87)	-51.06 M		31.22	(-21.22)	51.08 M			
55.00 MHz	150.0 MHz	1.000 MHz	-30.87	(-17.87)	-56.75 M		32.18	(-19.18)	55.75 M			
150.0 MHz	155.0 MHz	1.000 MHz	-43.25	(-18.25)	-150.0 M		18.82	(-23.82)	152.1 M			Local
8.000 MHz	12.50 MHz	1.000 MHz		()				()				
12.50 MH7	15 00 MH7	1 000 MH7		í				<u>`</u> `				
ま しい		May 28, 20 4:41:49 PM										

100 M_Band Edge_High_BPSK_FullRB



10. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2407-FC039-P