



occupica DVV	+	_			Frequency	- 1器
R L Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.882500000 GHz Avg Hold: 500/500 Radio Std: None	Center Frequency 1.882500000 GHz	Settings
1 Graph v Scale/Div 10.0 dB		ef LvI Offset 27			Span 70.000 MHz	
.09 30.0 20.0					CF Step 7.000000 MHz	
10.0		******	al an an de adres de la construir de la constru La construir de la construir de		Auto Man	
10.0 20.0	en e			PE PE	Freq Offset AK 0 Hz	
40.0						
50.0 Center 1.88250 GHz Res BW 680.00 kHz	#	Video BW 2.700	0 MHz	Span 70 N Sweep 1.00 ms (1001 p		
2 Metrics V						
Occupied Bandwidth 32.3	32 MHz		Total Power	32.6 dBm		
Transmit Freq Error x dB Bandwidth	-724.11 kH 36.31 MH		% of OBW Pow x dB	ver 99.00 % -26.00 dB		Local
				-20.00 db		LOCA

35 M_OBW_Mid_BPSK_FullRB





EYSIGHT Input: RF L + Align: Auto	H Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.882500000 Gł Avg Hold: 500/500 Radio Std: None	1.882	Frequency r Frequency 2500000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 27 Ref Value 40.00 d			CF St		
0.0	Journer	and the second second	لي و معرف المحمد الم	~		0000 MHz Juto 1an	
0.0 0.0 0.0 0.0 0.0				- Antoneous	PEAK 0 Hz	Offset	
nter 1.88250 GHz es BW 680.00 kHz		#Video BW 2.700	0 MHz	Span Sweep 1.00 ms (1	n 70 MHz 1001 pts)		
fetrics v							
Occupied Bandwidth 32.2	า 282 MHz		Total Power	32.1 dBm			
Transmit Freq Error x dB Bandwidth	-742.11 k 36.03 M		% of OBW Pow x dB				Loc
1697	? May 21, 2024 12:23:29 PM	$\Theta \wedge$					

35 M_OBW_Mid_QPSK_FullRB





EYSIGHT Input: RF L + Align: Auto	Input Z: 50 Ω Atten Corr CCorr Prear	20 dB Trig: Free Run	Center Freq: 1.882500000 GHz		-
	Freq Ref. Int (S) NFE: Adaptive	np: Off Gate: Off #IF Gain: Low	Avg Hold: 500/500 Radio Std: None	Center Frequency 1.882500000 GHz	Settings
Graph 🔻		Offset 27.16 dB		Span 70.000 MHz	
ale/Div 10.0 dB		ue 40.00 dBm		CF Step 7.000000 MHz	
).0).0 00	Jonanna Mariana	**************************************		Auto Man	
0.0 0.0 0.0			PE	Freq Offset 0 Hz	
0.0					
enter 1.88250 GHz tes BW 680.00 kHz	#Video	BW 2.7000 MHz	Span 70 M Sweep 1.00 ms (1001 p		
Metrics v Occupied Bandwidth 32.288	MHz	Total Power	31.1 dBm		
Transmit Freq Error x dB Bandwidth	-719.43 kHz 36.52 MHz	% of OBW Pov x dB	ver 99.00 % -26.00 dB		Loc

35 M_OBW_Mid_16QAM_FullRB





ectrum Analyze cupied BW	er 1 🔻	+							Frequency	
	put: RF oupling: DC lign: Auto	Corr C Freq F	2: 50 Ω Corr tef: Int (S) Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Fred Avg Hold: 5 Radio Std: I		1.8825	Frequency 00000 GHz	Settings
Graph	•			Ref Lvi Offset 27				Span 70.000	MHz	
ale/Div 10.0 d	3 			tef Value 40.00 d	JBM			CF Step 7.0000	o 00 MHz	
0 0 0		m		-hannen m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ung		Au Ma		
0 0	hardenaharma	N				- North	PEA	Freq Of 0 Hz	fset	
0.0 0.0 0.0										
nter 1.88250 C es BW 680.00			#	Video BW 2.700	0 MHz	 Sv	Span 70 MH veep 1.00 ms (1001 pt			
letrics Occupie	v d Bandwidth				2.10					
	t Freq Error	53 MHz	-701.44 kH		Total Power % of OBW Pow	ver	30.7 dBm 99.00 %			-
x dB Ba	ndwidth		36.12 MH	Z	x dB		-26.00 dB			Loc
150		? May	21, 2024 4:13 PM	\odot \land						

35 M_OBW_Mid_64QAM_FullRB





ectrum Analyzer 1	+				₽	Frequency	· • 🕄
EYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.882500000 GHz Avg Hold: 500/500 Radio Std: None	1.8825	Frequency 00000 GHz	Settings
Graph 🔻		Ref LvI Offset 27			Span 70.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00	iBm		CF Step 7.0000) 00 MHz	
	Jamma	mu munime		.	Aut Ma		
0 0 0 0	A			Marmanna	PEAK Freq Off	fset	
0.0							
nter 1.88250 GHz es BW 680.00 kHz		#Video BW 2.700	0 MHz	Span 70 Sweep 1.00 ms (100			
Aetrics	0 10		T-tal Damos	00.0 40			
Transmit Freq Error	9 MHz -763.37 k		Total Power % of OBW Pow				-
x dB Bandwidth	36.05 M		x dB	-26.00 dB			Loc
	May 21, 2024 12:24:36 PM	\square					

35 M_OBW_Mid_256QAM_FullRB





SUSTIGHT Input: RF Coupling: DC Aign: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.8 Avg Hold: 500/50 Radio Std: None	00	1.8825	Frequency 000000 GHz	Settings
ale/Div 10.0 dB		Ref Lvi Offset 27 Ref Value 40.00 d				Span 80.000 CF Step	p	
0	Januar	*******	~~			8.0000 Au Ma		
	ph -			- hu	РЕАК	Freq Of 0 Hz	lfset	
0 0 nter 1.88250 GHz		#Video BW 3.000	00 MHz		Span 80 MHz			
es BW 820.00 kHz letrics				Sweep	1.00 ms (1001 pts	2		
Occupied Bandwidth 38.7	69 MHz		Total Power		32.7 dBm			
	-10.801 k	Hz Hz	% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loc

40 M_OBW_Mid_BPSK_FullRB





PASS Graph ale/Div 10.0 dB			l Offset 27.16 dB					No. of Concession, Name		
			lue 40.00 dBm					Span 80.000		
								CF Step 8.00000	o 00 MHz	
0.0	- /	Armin-s	بىر يەندىردە سەم مەر ولىدەرى مى	Normonista	my			Aut Mai		
	an and a second and a				- \v	hoursenses	PEAK	Freq Off 0 Hz	lset	
nter 1.88250 GHz s BW 820.00 kH;		#Video	BW 3.0000 MHz			Sp Sweep 1.00 ms	an 80 MHz (1001 pts)			
letrics Occupied B	▼									
Occupied B	38.790 MH:	z	Tota	al Power		32.2 dB	m			
Transmit Fr x dB Bandw		-11.340 kHz 42.94 MHz	% c x di	of OBW Powe B	er 🛛	99.00 -26.00 d				Loc

40 M_OBW_Mid_QPSK_FullRB





cupied BW	+						Frequency	· · - ?
YSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Free Avg Hold: 5 Radio Std: 1		provide the second seco	Frequency 00000 GHz	Settings
Graph 🔻		Ref LvI Offset 27				Span 80.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00 c	JBM			CF Step 8.0000	o 00 MHz	
0		······································	moder an antiperation	amony		Aut Ma		
0 0 yawamananahi manaka	where a start				PEAJ	Freq Of 0 Hz	fset	
0.0								
nter 1.88250 GHz es BW 820.00 kHz		#Video BW 3.000	0 MHz	Sv	Span 80 MH veep 1.00 ms (1001 pts			
etrics 🗸								
Occupied Bandwidt								
Occupied Bandwidt	707 MHz	/117	Total Power % of OBW Pow	uer.	31.4 dBm 99.00 %			

40 M_OBW_Mid_16QAM_FullRB





cale/Div 10.0 dB .og 20.0 10.0	DC Corr CCorr	Preamp: Off nt (S)		Center Freq: 1.882500 Avg[Hold: 500/500 Radio Std: None	s	Center Frequency 1.882500000 GHz Span 80.000 MHz	Settings
Graph ccale/Div 10.0 dB .og 20.0 10.0		Ref LvI Offset 27					
og 0.0 0.0 0.0		Ref Value 40.00	dBm			00.000 Win2	
0.0						CF Step 8.000000 MHz	1
00		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mannen	non h		Auto Man	
0.0 0.0 0.0				- Annon	DC N/	Freq Offset 0 Hz	
enter 1.88250 GHz Res BW 820.00 kHz		#Video BW 3.000	DO MHZ	Sweep 1.00	Span 80 MHz ms (1001 pts)		
Metrics Occupied Ban	dwidth 38.871 MHz		Total Power	30.8	dBm		
Transmit Freq x dB Bandwidt	Error 43.	990 kHz 91 MHz	% of OBW Pow x dB	er 99	.00 % 00 dB		Loo

40 M_OBW_Mid_64QAM_FullRB





VSIGHT Input: RF → Coupling: DC Align: Auto	+ Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.88 Avg[Hold: 500/500 Radio Std: None		1.8825	Frequency 00000 GHz	Settings
raph ▼ Ie/Div 10.0 dB		Ref Lvi Offset 27 Ref Value 40.00 (Span 80.000 CF Ster	100000000000000000000000000000000000000	
						8.0000	00 MHz	
0	American	mmmmm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Au Ma	n	
0 0 0 0 0 0 0					PEAK	Freq Of 0 Hz	fset	
ter 1.88250 GHz s BW 820.00 kHz	1	#Video BW 3.000	0 MHz	Sweep	Span 80 MHz 1.00 ms (1001 pts)			
occupied Bandwidth	27.141		7-1-1 0		00.7.40			
Transmit Freq Error x dB Bandwidth	07 MHz -18.745 k 42.85 M		Total Power % of OBW Pow x dB	ver	28.7 dBm 99.00 % -26.00 dB			Loc

40 M_OBW_Mid_256QAM_FullRB



YSIGH1	Input R Couplin Align: A	g DC	Input Z: 50 Ω Corr CCorr Freg Ref. Int (S)	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low	#Avg Type: Po Trig: Free Run	wer (RMS <mark>1 2 3 4 5 6</mark> A WW WW W		requency 0000 GHz	Setting
			NFE: Adaptive		Sig Track: Off		A A A A A A	Span		
pectrum		•				Mk	r1 3.784 7 GHz		000 GHz	
ale/Div 10	dB			Ref Level 10.00	dBm		-70.292 dBm	Swe	pt Span	
Pg		02							Span	
0.0								Fu	II Span	
0.0								Start Free 30.0000		
0.0				1			RMS	Stop Free 10.0000	7 00000 GHz	
0.0 and the second	referent of the	AND DE CONTRACTOR		#Video BW 3.0			Stop 10.000 GHz		O TUNE	
Res BW 1.0	MHz				111.12	Sweep	~18.7 ms (20001 pts)			
Marker Table		•						997.000	000 MHz	
Mode	Trace	Scale	х	Y	Function	Function Width	Function Value	Auto Man		
1 N	1	f	3.784 7 GHz	-70.29 dBm				Freq Offs	ot	
2 N 3	1	f	1.850 5 GHz	-2.951 dBm				0 Hz	el	
4								X Axis So Log Lin	ale	Lo
5 6										



pectrum Anal wept SA	yzer 1	•	t						Frequency	1
EYSIGHT ⊥ -≁- 1	Input F Couplin Align: A	ig: DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>123456</mark> A WWWWW A A A A A A	PERSONAL ADDRESS	requency 00000 GHz	Settings
Spectrum						Mk	r1 8.259 7 GHz	and a second second	0000 GHz	
cale/Div 10 c	iB			Ref Level 10.00	dBm		-69.717 dBm	ALC: NO PERSONNEL COMPANY	ept Span	
og 👘		٥2		Ť					o Span	
00		Y								
0.0								F	ull Span	
								Start Fre	eq.	
								30.000	000 MHz	
0.0								Stop Fre	'n	
0.0							↓1 RMS		000000 GHz	
0.0 militadeal		and a stream	the bill and a state of the bill	البالاستان والمراجع	and a ship the states		المذالي والتركي والمرواف والمر			
art 30 MHz				#Video BW 3.0	N#1-		Stop 10.000 GHz	AU	TO TUNE	
Res BW 1.0 I	ИHz			#video Bvv 3.0	MHZ	Sweep	~18.7 ms (20001 pts)			
Marker Table								and the second second second	0000 MHz	
								Aut	0	
Mode	Trace	Scale	Х	Y	Function	Function Width	Function Value	Mai	n 👘	
1 N 2 N	1	f f	8.259 7 GHz 1.880 4 GHz	-69.72 dBm -3.197 dBm				Freq Off	set	
3			1.000 4 GHZ	-5.187 UDIII				0 Hz	aleen	
4								X Axis S	cale	Loc
5								Loc		
								Lin		
15	2	7 2	May 21, 2024	$\supset \land$				Signal T		
	•		11:40:30 AM			فغا المحد		(Span Zo	om)	



EYSIGHT ∟ +→+ 1	Input RF Coupling Align: Au	DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS123456 A WWWWW A A A A A A	Center Free 5.0150000		Settings
Spectrum ale/Div 10 c 00	iB	\		Ref Level 10.00	dBm	Mk	r1 8.880 9 GHz -70.866 dBm	Span 9.9700000 Swept Zero S	Span	
0.0 0.0 0.0 0.0								Full Start Freq 30.000000	Span) MHz	
0.0 0.0 0.0	المراجعة ال	مصبحر تعانيه	الار في المالية الم			۵، میروندور و در مانور و دادور و در مانور و مانور و مان	1 RMS	Stop Freq 10.000000		
art 30 MHz Res BW 1.0 M Marker Table	۸Hz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step 997.00000		
Mode 1 N 2 N 3	Trace 1 1	Scale f f	X 8.880 9 GHz 1.910 3 GHz	Y -70.87 dBm -3.177 dBm	Function	Function Width	Function Value	Auto Man Freq Offset 0 Hz		
4 5 6								X Axis Scal Log Lin	e	Loc



ectrum Ana ept SA	lyzer 1	•	÷					\$	Frequency	•
EYSIGH ++-	Couplin Align: A	ig: DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	5.0150	Frequency 00000 GHz	Settings
Spectrum ale/Div 10	dB	•		Ref Level 10.00	dBm	Mk	r1 9.694 4 GHz -69.858 dBm	0.0700	0000 GHz ept Span	
00 0.0 0.0		02							ro Span Tull Span	
0.0								Start Fr 30.000	eq 000 MHz	
60.0 70.0		والمراجعة المستحد	المحولين والمعالية والمعالية والمعالية والمعالية والمعالية والمحالية والمعالية والمحالية وحمالية وحم	مستنخصهما	المناحنية والمعادية	مر المر المر المر المر المر المر المر ال	1 مەسىلىنىنىنىنىنىنىنىنىنىن	Stop Fr 10.000	eq 000000 GHz	
tart 30 MHz Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step	Maria and a second second	
Marker Table		•						Au		
Mode	Trace	Scale	X 9.694 4 GHz	Y -69.86 dBm	Function	Function Width	Function Value	Ma	n	
1 N 2 N 3	1	f	9.694 4 GHz 1.850 5 GHz	-3.526 dBm				Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lir	g	Lo
1	3		May 21, 2024 11:44:38 AM					Signal 1 (Span Zo		



YSIGH	Input RF Coupling DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low	#Avg Type: Po Trig: Free Run	AWWWW		requency 00000 GHz	Setting
Spectrum ale/Div 10	iB	NFE: Adaptive	Ref Level 10.00	Sig Track: Off dBm	Mkı	A A A A A A 1 9.950 6 GHz -69.667 dBm	Swe	0000 GHz ept Span o Span	
00	\\Z							ull Span	
0.0							Start Fre 30.0000	eq 000 MHz	
50.0 50.0 70.0		القويدي وسلت والمراو والمراود والم	المريانة المراجع المراجع	ويناور الرياني		R.1	Stop Fre 10.0000	eq 000000 GHz	
0.0			#Video BW 3.0	MHz	Sweep -	Stop 10.000 GHz ~18.7 ms (20001 pts)		TO TUNE	
tart 30 MHz Res BW 1.0	MHz						007 000		
Res BW 1.0	WHz ¥							0000 MHz	
Res BW 1.0 Marker Table Mode		X	Y 69.67 dPm	Function F	Function Width	Function Value	Auto Man	0	
tes BW 1.0 Marker Table	۲	X 9.950 6 GHz 1.877 9 GHz	-69.67 dBm	Function F	Function Width	Function Value	Auto	0 1	
Res BW 1.0 Marker Table Mode 1 N 2 N	Trace Scale	9.950 6 GHz	-69.67 dBm	Function F	Function Width	Function Value	Auto Mar	o n set cale	Lo



YSIGH ++-	Input: RF Coupling: E Align: Auto	C Co Fre	ut Z: 50 Ω rr CCorr eq Ref: Int (S) E: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWW A A A A A A		equency 0000 GHz	Setting
pectrum ale/Div 10 g	v dB	02	,	Ref Level 10.00	dBm	Mk	r1 6.037 4 GHz -70.318 dBm	Swe	000 GHz pt Span Span	
.0									ll Span	
0.0								Start Free 30.0000		
50.0 70.0		وي المراجع ا	and the state	المن المراجع ا	1-	والمربطين المتروية	RMS	Stop Free 10.0000	1 00000 GHz	
tart 30 MHz Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)		O TUNE	
Marker Table	۲							997.000 Auto	000 MHz	
Mode 1 N	Trace So	cale	X 6.037 4 GHz	Y -70.32 dBm	Function	Function Width	Function Value	Man		
2 N 3	1	f	1.905 4 GHz	-3.672 dBm				Freq Offs 0 Hz	et	
4								X Axis So Log Lin	ale	Lo
5 6								LIN		



EYSIGH1 L +++	Input F Couplir Align: A	ig: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWW AAAAAA	Center Frequency 5.015000000 GF	
Spectrum cale/Div 10	dB	۰ ۵2		Ref Level 10.00	dBm	Mk	r1 3.818 1 GHz -69.022 dBm	Span 9.97000000 GHz Swept Span Zero Span	
00								Full Span	
								Start Freq 30.000000 MHz	
).0).0).0			المرور والمحافظ والمرود المراجع	م مەمىرىلەرىلو	www.	مانون المراجع المراجع المراجع الم	RMS	Stop Freq 10.000000000 G	Hz
art 30 MHz es BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUTO TUNE	
Marker Table		•						997.000000 MHz	
Mode 1 N	Trace	Scale	X 3.818 1 GHz	Y -69.02 dBm	Function	Function Width	Function Value	Auto Man	
2 N 3	1	f	1.850 5 GHz	-3.483 dBm				Freq Offset 0 Hz	
4 5 6								X Axis Scale Log Lin	Lo
			THE REPORT OF TH				the second s	And and a state of the state of	



YSIGHT	Input RF		Input Z: 50 Ω	#Atten: 20 dB	PNO: Fast	#Avg Type: Po	wer (RMS 1 2 3 4 5 6		requency	Ľ
+-	Coupling: D Align: Auto)C	Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Preamp: Off	Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run	A WW WW W		00000 GHz	Setting
pectrum	•		THE Muphro		olg Huck, Oli	Mk	r1 9.669 0 GHz	Span 9.97000	0000 GHz	
le/Div 10 (iB	∆2		Ref Level 10.00	dBm		-70.517 dBm		ept Span o Span	
								Fi	ull Span	
								Start Fre 30.0000	eq 000 MHz	
0 0 0					urrada uter den rake rur.	a cara sudur dina adde carbo		Stop Fre 10.0000	eq 000000 GHz	
0 rt 30 MHz		nd beinen		#Video BW 3.0	MHz		Stop 10.000 GHz		TO TUNE	
s BW 1.0						Sweep	~18.7 ms (20001 pts)		0000 MHz	
arker Table	Trace So	ale	x	Y	Function	Function Width	Function Value	Auto	0	
Mode	1	f	9.669 0 GHz	-70.52 dBm	Million March 200					
Mode 1 N	1	f	1.875 4 GHz	-4.007 dBm				Freq Off: 0 Hz	set	
								X Axis S	cale	Lo
1 N 2 N								Log Lin		



	RF ling: DC Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type. Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWW A A A A A A	Center Frequency 5.015000000 GHz	Setting
pectrum ale/Div 10 dB g	• ⊘2		Ref Level 10.00	dBm	Mk	r1 8.296 1 GHz -69.021 dBm		
0.0							Full Span Start Freq 30.000000 MHz	
0.0 0.0 0.0 0.0	ومنافقها مرور والم	All and the first descent of the			ن الانتقالي المرياني والمرياني	1	Stop Freq 10.00000000 GHz	
ert 30 MHz es BW 1.0 MHz Marker Table	۲		#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)		
Mode Trace 1 N 1 2 N 1 3	e Scale f f	X 8.296 1 GHz 1.900 9 GHz	Y -69.02 dBm -4.263 dBm	Function	Function Width	Function Value	Man Freq Offset 0 Hz	
4 5 6							X Axis Scale Log Lin	La



EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	ower (RMS <mark>123456</mark> A WWWW W A A A A A A	5.01500	requency 0000 GHz	Settings
Spectrum cale/Div 10 (2	Ref Level 10.00	dBm	Mk	r1 4.022 0 GHz -70.093 dBm	Swe	000 GHz pt Span Span	
0.0							Fu	ill Span	
30.0 40.0 50.0							Start Fre 30.0000		
60.0 70.0			1			RMS	Stop Fre	and the second second second second	
	معسم محمور المخلة	فلاحية بملتا ومنطق ومعهم فالمعاد	الاستناديد المريا		والمتر والمناجع والم		10.0000	00000 GHz	
tart 30 MHz Res BW 1.0	ili di uni në named MHz	مرور في المراجعة المراجعة من المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة ا المراجعة المراجعة الم	#Video BW 3.0				AUT	OOOOO GHZ	
art 30 MHz	MHz V	and the second				میں میں اور میں الک می Stop 10.000 GHz	AUT CF Step	TO TUNE	
60.0 tart 30 MHz Res BW 1.0 Marker Table Mode		e X	#Video BW 3.0	MHz		میں میں اور میں الک می Stop 10.000 GHz	AUT CF Step 997.000	O TUNE	
tart 30 MHz Res BW 1.0 Marker Table	۲		#Video BW 3.0 Y -70.09 dBm	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUT CF Step 997.000 Auto	O TUNE	
tart 30 MHz Res BW 1.0 Marker Table Mode 1 N 2 N	Trace Sca	e X 4.022 0 GHz	#Video BW 3.0 Y -70.09 dBm	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step 997.000 Auto Man Freq Offs	O TUNE	Lo



Spectru Swept	um Analy SA	zer 1	• -	6					\$	Frequency	· • 😤
KEYS RL	SIGHT	Input: R Couplin Align: A	g: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A		requency 00000 GHz	Settings
1 Spect	trum		*				Mk	r1 3.804 6 GHz	and a second second	0000 GHz	
cale/	Div 10 d	в			Ref Level 10.00	dBm		-70.543 dBm		ept Span	
og			٥2							o Span	
0.00 10.0 20.0									F	ull Span	
30.0 10.0									Start Fre 30.000	eq 000 MHz	
50.0 - 50.0 - 70.0 -					1	8. At		RMS	Stop Fre 10.000	eq 000000 GHz	
80.0	0 MHz	-	and himse		#Video BW 3.0			Stop 10.000 GHz	AU	TO TUNE	
Res E	3W 1.0 N	۱Hz					Sweep	~18.7 ms (20001 pts)	CF Step	Excercise contractions	
Marke	er Table		*						And the second s	0000 MHz	
	Mode	Trace	Scale	х	Y	Function	Function Width	Function Value	Aut Ma		
1	N	1	f	3.804 6 GHz	-70.54 dBm	A CARD BOD FOR ANY			Freq Off	not	
2	N	1	f	1.873 0 GHz	-3.661 dBm				0 Hz	sei	
4											Loca
5									X Axis S Log		Loca
6									Lin		
H	5	C	7 ?	May 21, 2024 12:02:34 PM	$\rightarrow \land$				Signal T		



Wept SA KEYSIGHT RL ↔ M	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequ 5.015000000		ttings
Spectrum cale/Div 10 c	iB ()	2	Ref Level 10.00	dBm	Mk	r1 8.007 0 GHz -70.100 dBm	Span 9.97000000 Swept S Zero Spa	pan	
10.0 20.0 30.0 40.0							Full Sp Start Freq 30.000000 M		
50.0 60.0 70.0 80.0 protection	in grant with the second s	الجنوبية المطرفة والمتحدثات والمتحدث	مېلىنىنىك	www.		RMS	Stop Freq 10.00000000		
tart 30 MHz Res BW 1.0 I Marker Table	MHz v		#Video BW 3.0	MHz	Sweep 4	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step 997.000000		
Mode 1 N 2 N 3	Trace Scale 1 f 1 f	e X 8.007 0 GHz 1.895 9 GHz		Function I	Function Width	Function Value	Man Freq Offset 0 Hz		
4 5 6							X Axis Scale Log Lin		Loc
っ	C	? May 21, 2024 12:04:27 PM	\square				Signal Track (Span Zoom)		



YSIGHT	Input: RF Coupling	DC	Input Z: 50 Ω Corr CCorr	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 6		requency	Setting
	Align: Auto		Freq Ref: Int (S) NFE: Adaptive		IF Gain: Low Sig Track: Off		A WW WW W A A A A A A	5.01500 Span	0000 GHz	
pectrum	•					Mk	r1 8.021 5 GHz		000 GHz	
le/Div 10 di	B	◊2		Ref Level 10.00	dBm		-70.416 dBm		ept Span Span	
0 0 0								Fi	ıll Span	
0								Start Fre 30.0000	q 100 MHz	
0 0 0							1 RMS	Stop Fre 10.0000	q 100000 GHz	
	-	aul lumain			المترينة والمترينة		مار بالمورد المربع معلى معن يعامر بالمر	AUT	TO TUNE	
t 30 MHz s BW 1.0 M	Hz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step		
arker Table	۲								000 MHz	
	Trace S	cale	X	Y	Function	Function Width	Function Value	Auto Mar		
1 N 2 N 3	1	f	8.021 5 GHz 1.850 5 GHz	-70.42 dBm -3.158 dBm				Freq Off: 0 Hz	set	
4 5 6								X Axis S Log		Lo
								Lin	1	



YSIGH1 -≁-	Input F Couplin Align F	ig: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low	#Avg Type: Po Trig: Free Run	A WW WW W		requency 0000 GHz	Setting
ectrum le/Div 10	dB	•	NFE: Adaptive	Ref Level 10.00	Sig Track: Off	Mk	A A A A A A r1 4.037 4 GHz -70.088 dBm	and a second second	000 GHz ept Span	
		02						Zero	o Span III Span	
) 								-	00 MHz	
	alesiaintin (المفتور والمقاص ووالمردو المراد والم	1	hore the second	بالمرداني المزر المناوي	RMS		00000 GHz	
t 30 MHz s BW 1.0 arker Table	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step	IO TUNE	
Mode	Trace	Scale	X 4.037 4 GHz	Y -70.09 dBm	Function	Function Width	Function Value	Auto Mar	i -	
2 N 3 4	1	f	1.871 0 GHz	-3.336 dBm				Freq Offs 0 Hz		-
5								X Axis S Log Lin		Lo



pectrum Anal	yzer 1	+						Frequency	· • 🖹
EYSIGHT L +> 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Fr 5.015000 Span	equency)000 GHz	Settings
Spectrum cale/Div 10 (∎B		Ref Level 10.00	dBm	Mk	r1 8.287 2 GHz -70.021 dBm	9.97000	000 GHz ot Span	
og 0.00		2					Zero	Span	
0.0							Fu Start Free	ll Span	
0.0 0.0 0.0							30.0000 Stop Fred		
70.0	ورما ومراجد والارد والارد والم	وي والمعالية المراجع المراجع المراجع المراجع الم	a manuna	-	بلميناف العرائص مالان	RMS	10.0000	00000 GHz	
art 30 MHz Res BW 1.0 I	MHz		#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)		O TUNE	
Marker Table	۲						997.000 Auto		
Mode 1 N	Trace Scal	e X 8.287 2 GH	Y -70.02 dBm	Function	Function Width	Function Value	Man		
2 N 3	1 f	1.890 9 GH					Freq Offs 0 Hz	et	
4 5 6							X Axis Sc Log Lin	ale	Loc
1	C 🗌	May 21, 2024 12:11:47 PM	\odot				Signal Tra		



· • ·	Input: F Couplin Align: A	ig: DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type. Pov Trig: Free Run	ver (RMS <mark>123456</mark> A WW WW W A A A A A A A	5.01500	requency 0000 GHz	Setting
pectrum Ile/Div 10 d	в	• 02		Ref Level 10.00	dBm	Mkr	1 3.780 2 GHz -69.840 dBm	Swe	000 GHz pt Span Span	
)))								Fu	ill Span	
0 0 0								Start Free 30.0000		
0 0 0 0			الم الجري ومن المالي المالية الم	1	للالبناني	معالى التر التر التر التر	RMS	Stop Free 10.0000	9 00000 GHz	
t 30 MHz s BW 1.0 M	IHz			#Video BW 3.0	MHz	Sweep ~	Stop 10.000 GHz 18.7 ms (20001 pts)		TO TUNE	
arker Table		•							000 MHz	
Mode 1 N	Trace	Scale	X 3.780 2 GHz	Y -69.84 dBm	Function	Function Width	Function Value	Auto Man	ř.	
2 N 3	1	f	1.851 0 GHz	-3.797 dBm				Freq Offs 0 Hz	et	
4 5 6								X Axis So Log Lin		La



Spectrum Ana Swept SA	lyzer 1	•	ł					0	Frequency	
KEYSIGH RL ++-	Couplin Align: A	ng: DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A A	5.0150	Frequency 00000 GHz	Settings
Spectrum						Mk	r1 8.304 1 GHz	Span 9.9700	0000 GHz	
cale/Div 10	dB	\\\\2		Ref Level 10.00) dBm		-70.508 dBm		ept Span o Span	
0.0								F	ull Span	
10.0 10.0								Start Fr 30.000	eq DOO MHz	
50.0 50.0 70.0				Franks, and the second state of the	Mar da fa New average		1 RMS	Stop Fr 10.000	eq 000000 GHz	
80.0 1990 1990 tart 30 MHz		eveninent beietigt		#Video BW 3.0			Stop 10.000 GHz		TO TUNE	
Res BW 1.0 Marker Table	MHz	•				Sweep	~18.7 ms (20001 pts)		0000 MHz	
Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Au Ma		
1 N 2 N 3	1	f	8.304 1 GHz 1.868 5 GHz	-70.51 dBm -3.939 dBm				Freq Of 0 Hz	'set	
4 5 6								X Axis S Lo	1	Loca
15	3	7	May 21, 2024 12:17:25 PM					Signal 1 (Span Zo	rack	



YSIGH1	Input RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequency 5.015000000 GHz	Setting
Spectrum ale/Div 10	dB	2	Ref Level 10.00	dBm	Mk	r1 3.729 4 GHz -69.663 dBm	Span 9.97000000 GHz Swept Span Zero Span	
0.0 0.0							Full Span	
10.0 10.0							Start Freq 30.000000 MHz	
50.0 50.0 70.0 30.0			1	and the second	بالجزيماني باعت الجريانين	RMS	Stop Freq 10.000000000 GHz	
tart 30 MHz Res BW 1.0	MHz		#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUTO TUNE CF Step	
Marker Table	•						997.000000 MHz	
Mode	Trace Scale	2 X 3.729 4 GHz	Y -69.66 dBm		Function Width	Function Value	Auto Man	
1 N	1 f	1.885 9 GHz					Freq Offset 0 Hz	
1 N 2 N 3							X Axis Scale	Lo
2 N							Log	



	Align: Auto	Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Preamp. Off	Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pov Trig: Free Run	AWWWWW	Center Frequency 5.015000000 GH	
ectrum le/Div 10 dB			Ref Level 10.00	dBm	Mkr	1 4.060 9 GHz -69.935 dBm	Span 9.97000000 GHz Swept Span Zero Span	
) 							Full Span	
) 							Start Freq 30.000000 MHz	
0			1- مىتغىنىتىنىيەس	with the second		RMS	Stop Freq 10.000000000 G	бHz
t 30 MHz s BW 1.0 MH	Hz		#Video BW 3.0	MHz	Sweep -	Stop 10.000 GHz -18.7 ms (20001 pts)		
arker Table							997.000000 MHz	z
Mode T 1 N	Trace Scale	X 4.060 9 GHz	Y -69.93 dBm	Function F	Function Width	Function Value	Auto Man	
2 N 3	i f	1.851 0 GHz					Freq Offset 0 Hz	
4 5 6							X Axis Scale Log Lin	Lo



YSIGH1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequencies		Setting
pectrum ale/Div 10			Ref Level 10.00		Mki	r1 8.284 2 GHz -70.561 dBm	0.01000000	Span	
.0	0						Full S		
0.0							Start Freq 30.000000	MHz	
0.0		فحديد وعلاقا ورزوا أستوار والد	الم المراجع الم	والمستعنين والمستنق	والتو والازرة المراجع	RMS	Stop Freq 10.0000000	00 GHz	
0.0			#Video BW 3.0	MHz		Stop 10.000 GHz	AUTO	TUNE	
tart 30 MHz Res BW 1.0	MHz		#video Bvv 3.0		Sweep -	~18.7 ms (20001 pts)	CF Step		
	MHz		#VIGEO BW 3.0		Sweep ·		997.000000	MHz	
Res BW 1.0 Marker Table Mode			Y		Sweep ~			MHz	
es BW 1.0 /larker Table		X 8.284 2 GHz 1.866 0 GHz	Y -70.56 dBm			~18.7 ms (20001 pts)	997.000000 Auto) MHz	
Res BW 1.0 Marker Table Mode 1 N 2 N	Trace Scale	8.284 2 GHz	Y -70.56 dBm			~18.7 ms (20001 pts)	997.000000 Auto Man Freq Offset		Lo



Dectrum Mkr1 5.189 5 GHz 9.9700000 GHz Ie/Div 10 dB Ref Level 10.00 dBm -70.187 dBm 2 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 0 - - - 1 - - - 1 - - - 1 - - - 1 - - - 1 - - - - 1 - - - - 1 - - - - - 1 - - - - - - 1 - <	YSIGH1 - → -	Input R Couplin Align: A	g: DC	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequency 5.015000000 GHz	Setting
Image: Constraint of the second se	le/Div 10	dB			Ref Level 10.00	dBm	Mk		Swept Span	
Mode Trace Scale X Y Function Function Function Vidth Function Vidth Auto Man Freq Offset Auto Man Man Man Man Man </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Start Freq</td> <td></td>									Start Freq	
t 30 MHz #Video BW 3.0 MHz Stop 10.000 GHz s BW 1.0 MHz Sweep ~18.7 ms (20001 pts) arker Table Mode Trace Scale X Y Function Function Width Function Value Auto Man Freq Offset 2 N 1 f 1.880 9 GHz -3.052 dBm Freq Offset 0 Hz	0 0 0			والمرور ومعالمة والمراجع والمراجع	فاشتحرهما	المسالية	البريانين الارتياني ا	RMS	Stop Freq 10.000000000 GH	
Mode Trace Scale X Y Function Function Width Function Value Man 1 N 1 f 5.189 5 GHz -70.19 dBm Freq Offset Freq Offset Freq Offset 0 Hz 3	s BW 1.0	MHz	•		#Video BW 3.0	MHz	Sweep		CF Step	
3 0 Hz	1 N	1	f	5.189 5 GHz	-70.19 dBm	Function	Function Width	Function Value	Man Man	
5 5 6 Log	3 4	1	f	1.880 9 GHz	-3.052 dBm				0 Hz X Axis Scale	La



EYSIGH1	Input R Couplin Align: A	g: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWW A A A A A A	5.01500	requency 00000 GHz	Settings
pectrum Ile/Div 10 9	dB	• \\\\2		Ref Level 10.00	dBm	Mk	r1 9.686 9 GHz -69.577 dBm	Swe	0000 GHz ept Span o Span	
0								F	ull Span	
								Start Fre 30.0000	eq 000 MHz	
								Stop Fre	a	
		were law	and the second	manne	with and the second	مالى المالى المالى المالى المالين			900000 GHz	
0 0 1 30 MHz			and and the second s	#Video BW 3.0			بالمراجع المراجع المراجع Stop 10.000 GHz ~18.7 ms (20001 pts)	10.0000 AU	000000 GHz	
1 30 MHz s BW 1.0							Stop 10.000 GHz	10.0000 AU CF Step 997.000	000000 GHz TO TUNE 0000 MHz	
t 30 MHz s BW 1.0 arker Table Mode		Scale	×	#Video BW 3.0	MHz		Stop 10.000 GHz	10.0000 AU CF Step 997.000 Auto Mar	000000 GHz TO TUNE 0000 MHz	
t 30 MHz s BW 1.0 arker Table Mode 1 N 2 N 3	MHz			#Video BW 3.0 Y -69.58 dBm	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	10.0000 AU CF Step 997.000 Aut	000000 GHz TO TUNE 0000 MHz	
t 30 MHz s BW 1.0 arker Table Mode 1 N	MHz Trace 1	Scale	X 9.686 9 GHz	#Video BW 3.0 Y -69.58 dBm	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	10.0000 AU CF Step 997.000 Aut Mar Freq Off	DODOOD GHZ TO TUNE DODO MHZ 0 1 set cale	Lo



YSIGH	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>1</mark> 23456 A WWWW AAAAAA	Center Frequency 5.015000000 GHz	Setting
pectrum ale/Div 10 g	dB ⊘2		Ref Level 10.00	dBm	Mk	r1 6.030 4 GHz -70.440 dBm	0.0100000000112	
.0 .0 .0							Full Span Start Freq	
0.0		n a sa bata da situla di kata a Mili	()	1		RMS	30.000000 MHz Stop Freq 10.000000000 GHz	
	and the second	and the station of the station of the	#Video BW 3.0	MHz		Stop 10.000 GHz	AUTO TUNE	
art 30 MHz Res BW 1.0	MHz				Sweep	~18.7 ms (20001 pts)		
	MHz Trace Scale	X	Y		Sweep		CF Step 997.000000 MHz Auto Man	
es BW 1.0 Marker Table	٠	X 6.030 4 GHz 1.863 5 GHz	Y -70.44 dBm			~18.7 ms (20001 pts)	997.000000 MHz	
Marker Table Mode 1 N 2 N	Trace Scale	6.030 4 GHz	Y -70.44 dBm			~18.7 ms (20001 pts)	997.000000 MHz Auto Man Freq Offset	L



EYSIGHT Input: RF Coupling: D Align: Auto	C Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWWW A A A A A A	Center Frequency 5.015000000 GHz	Setting
spectrum v ale/Div 10 dB	◊?	Ref Level 10.00	dBm	Mk	r1 4.023 5 GHz -69.964 dBm	0.0100000000112	
						Full Span Start Freq 30.000000 MHz	
0.0 0.0 0.0 0.0 0.0		1-	المتاورات المراجع	بالجريدان والمرجع		Stop Freq 10.00000000 GHz	
art 30 MHz es BW 1.0 MHz Marker Table		#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)		
1 N 1	ale X f 4.023 5 GH f 1.875 9 GH		Function F	unction Width	Function Value	Man Freq Offset 0 Hz	
4 5 6						X Axis Scale Log Lin	Lo



1 Spectrum Mkr1 13.724 09 GHz Span Scale/Div 10 dB Ref Level -20.00 dBm -86.307 dBm 10 Swept Span Swept Span 200 Start Freq 10.0000000 GHz 300 Start Freq 10.00000000 GHz 500 Start Freq 10.00000000 GHz 500 Stop Freq 20.00000000 GHz 600 Auto TuNE CF Step 700 Auto GHz Auto Man 900 Start Breq Offset Freq Offset	Settings	Center Frequency 15.00000000 GHz	ower (RMS <mark>123456</mark> n A WW WW W A A A A A A	#Avg Type: Po Trig: Free Rur	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Atten: 0 dB Preamp: Off	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Input: RF Coupling: DC Align: Auto	KEYSIGHT RL +→ ™
Start Freq 10.00000000 GHz Stop Freq 20.00000000 GHz AUTO TUNE CF Step 1.000000000 GHz Auto Man		Swept Span		Mkr1	00 dBm	Ref Level -20.		T IB	ale/Div 10 d
0.0 10.000000000 GHz 0.0 Stop Freq 0.0 Auto 0.0 FMS		Full Span							
0.0 Stop Freq 20.00000000 GHz 0.0 1 RMS 0.0 1 1 0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
0.0 1 CF Step 1.00000000 GHz Auto Man									
		AUTO TUNE							0.0
		1.000000000 GHz		den and a subject of the sub-	ور مرور میرون ورور اور مرور مرور مرور مرور مرور مرور		and the second		
110 O Hz									
art 10.000 GHz #Video BW 3.0 MHz Stop 20.000 GHz Log tes BW 1.0 MHz Sweep ~20.4 ms (40000 pts)	Loca	Log		Sweep	0 MHz	#Video BW 3			

5 M_Conducted Spurious(Above10 G)_Low_BPSK_1RB



Spectrum Analy Swept SA		+					🛟 Frequ	ency v 🗦
EYSIGHT ⊥ +++ ₪	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type. Power Trig: Free Run	(RMS123456 AWWWWW AAAAAA	Center Frequency 15.000000000 GH	Setunds
Spectrum cale/Div 10 d	, IB		Ref Level -20.00) dBm		9.415 49 GHz -86.265 dBm	10.000000000112	
							Full Span	
i0.0 i0.0							Start Freq 10.000000000 GH	łz
0.0							Stop Freq 20.000000000 GH	iz
0.0							AUTO TUNE	
00.0 100		a basan basan karang sana di		in civila - i my concila processi (1.ms	CF Step 1.000000000 GHz Auto Man	
110							Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~20	Stop 20.000 GHz).4 ms (40000 pts)		Loca
1		May 21, 2024 11:40:54 AM	\square				Signal Track (Span Zoom)	

5 M_Conducted Spurious(Above10 G)_Mid_BPSK_1RB



Spectrum Analy Swept SA		+				<u></u>	Frequenc	oy • <mark>}</mark>
EYSIGHT ⊥ +→- 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Powe Trig: Free Run	r (RMS <mark>1</mark> 23456 A WWWWW A A A A A A A	Center Frequency 15.000000000 GHz	Settings
Spectrum cale/Div 10 d	, IB		Ref Level -20.00) dBm	Mkr1 1	9.214 98 GHz -86.272 dBm	Span 10.0000000 GHz Swept Span Zero Span	
							Full Span	
0.0							Start Freq 10.000000000 GHz	
0.0							Stop Freq 20.000000000 GHz	
70.0 30.0 90.0	LAND THE FREE WAY	An an other hundry at the	view both the product	L an such the a second state	palpari terre sar ting dejit at e	dina wataribani	AUTO TUNE CF Step 1.000000000 GHz Auto	
100							Man Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~2	Stop 20.000 GHz 0.4 ms (40000 pts)	X Axis Scale Log Lin	Loca
1		May 21, 2024 11:42:46 AM					Signal Track (Span Zoom)	1



wept SA KEYSIGHT ≀L +►+	Coupling: DC	Input Z: 50 Ω Corr CCorr	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>1 2 3 4 5 6</mark> A WWWW W	Center Fre		Settings
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cale/Div 10 d	B		Ref Level -20.00) dBm		-86.178 dBm	Swept Zero S		
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100	Seattle Strateger	and the second secon			المتاثناتين وم		Man Man		
							Freq Offse 0 Hz		
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ∼20.4 ms (40000 pts)		e	Loca
15		May 21, 2024 11:45:02 AM	\square				Signal Trac		



KEYSIGHT ≀L -→- ™	Input: RF Coupling: DC Align: Auto	Input Z: 50 Q Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequency 15.000000000 GHz Span	Settings
Spectrum cale/Div 10 c	IB		Ref Level -20.0	0 dBm	Mkr1	19.063 23 GHz -86.373 dBm	10.0000000 GHz	
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70.0 10.0 100 100				alline of a second s	er gy eil blay seine singer eiler	1 RMS	AUTO TUNE CF Step 1.00000000 GHz Auto Man	
							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 I			#Video BW 3.0) MHz	Sweep	Stop 20.000 GHz ∼20.4 ms (40000 pts)		Loca
1		May 21, 2024 11:48:17 AM				💽 - 🔀	Signal Track (Span Zoom)	



Spectrum Analy Swept SA	/zer 1	+					\$	Frequency	• • 🕄
EYSIGHT ⊥ ↔→ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off		1 2 3 4 5 6 A WW WW W A A A A A A A	Center Fre 15.00000	equency 0000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00		Mkr1 19.450 -86.9	3 99 GHz 900 dBm	Span 10.00000 Swep Zero	t Span	
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0.0								DTUNE	
Hartharthan Mary				100 million and a francisco			CF Step 1.000000 Auto Man	000 GHz	
110							Freq Offse 0 Hz	t	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Stop Sweep ~20.4 ms	20.000 GHz (40000 pts)	X Axis Sca Log Lin	le	Loca
1		May 21, 2024 11:50:11 AM					Signal Tra (Span Zoon		



Spectrum Analy Swept SA		+					Freque	ency 🔻 🛃
EYSIGHT ⊥ +++ ₪	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power Trig: Free Run	(RMS <mark>123456</mark> A WWWWW AAAAAA	Center Frequency 15.000000000 GH	z
Spectrum cale/Div 10 d	₹ IB		Ref Level -20.00) dBm		9.287 98 GHz -86.638 dBm	10.000000000112	
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110							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~20	Stop 20.000 GHz).4 ms (40000 pts)		Loca
1		May 21, 2024 11:52:27 AM	\square				Signal Track (Span Zoom)	



Spectrum Analy Swept SA		+					‡	Frequency	- T 🛃
EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	13.0000000		Settings
Spectrum cale/Div 10 d	₹ IB		Ref Level -20.00) dBm	Mkr1	19.519 74 GHz -86.239 dBm	10.0000000	Span	
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							Freq Offset 0 Hz		
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep -	Stop 20.000 GHz ~20.4 ms (40000 pts)			Loca
15		May 21, 2024 11:55:39 AM					Signal Track (Span Zoom)		



Spectrum Analy Swept SA		+					🗘 Fre	equency T
EYSIGHT ⊥ +→- ₪	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Pov Trig: Free Run	ver (RMS <mark>123456</mark> A WW WW W A A A A A A A	Center Frequen 15.000000000	Setunds
Spectrum cale/Div 10 d	T B		Ref Level -20.00) dBm	Mkr1	19.999 00 GHz -86.064 dBm	Span 10.0000000 Gł Swept Spa Zero Span	n
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think the			ulan di general da	and the state of the	a filment and and a film	R.1.	CF Step 1.000000000 C Auto Man	6Hz
100							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~	Stop 20.000 GHz 20.4 ms (40000 pts)		Loca
1		May 21, 2024 11:57:32 AM					Signal Track (Span Zoom)	



KEYSIGHT	Coupling: DC	Input Z: 50 Ω Corr CCorr	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off	#Avg Type: Po Trig: Free Rur	ower (RMS <mark>1 2 3 4 5 6</mark> A WW WW W	Center Freq		Settings
	Align: Auto	Freq Ref: Int (S) NFE: Adaptive		IF Gain: High Sig Track: Off		A A A A A A	13.000000	00 GHz	
Spectrum					Mkr1	19.977 50 GHz		GHz	
cale/Div 10 d	В		Ref Level -20.00) dBm		-86.941 dBm	Swept Szero Sp		
							Full S	pan	
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							Stop Freq 20.0000000	000 GHz	
							AUTO	FUNE	
	ine recting star in			- In - Mindle Dayster	Mad to state an in state 1	R.1	CF Step 1.00000000 Auto Man	10 GHz	
100							Freq Offset		
							0 Hz		Loca
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ~20.4 ms (40000 pts)			Loca
15		May 21, 2024 11:59:48 AM	\square				Signal Track (Span Zoom)		



KEYSIGHT RL -→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	ower (RMS <mark>123456</mark> A WW WW W A A A A A A	13.00000000 G	Setunds
Spectrum cale/Div 10 c	iB		Ref Level -20.0		Mkr1	19.909 00 GHz -87.186 dBm	10.000000000112	
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							Stop Freq 20.000000000 G	Hz
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110							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 I			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ~20.4 ms (40000 pts)		Loc
5	C []	May 21, 2024 12:02:59 PM					Signal Track (Span Zoom)	



pectrum Analy wept SA	vzer 1 💡	+						Frequency	• • 🕄
EYSIGHT L +++ 7	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS Trig: Free Run	5 123456 AWWWWW AAAAAA	Center Fre 15.00000	quency 0000 GHz	Settings
Spectrum cale/Div 10 d	T B		Ref Level -20.00		Mkr1 19.34 -86	19 73 GHz .186 dBm	10.00000	t Span	
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								TUNE	
0.0		diline and a line after a	al and a state of the	19 1 - 20		RMS	CF Step 1.0000000 Auto Man	000 GHz	
							Freq Offse 0 Hz	t	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sto Sweep ~20.4 m	p 20.000 GHz s (40000 pts)		le	Loca
1		May 21, 2024 12:04:52 PM					Signal Tra (Span Zoom		



KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>123456</mark> A WWWW W AAAAAA	Center Frequ 15.0000000		Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00) dBm	Mkr1	19.054 23 GHz -86.839 dBm	10.0000000	ipan	
							Full Sp	pan	
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							Stop Freq 20.0000000	00 GHz	
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0.0			all) of frank to be a strong of	and market and a second se	ار ویو وروی ویو وروی وروی وروی وروی وروی	1 RMS	CF Step 1.00000000 Auto Man) GHz	
110							Freq Offset 0 Hz		
art 10.000 Gi tes BW 1.0 N			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ∼20.4 ms (40000 pts)			Loca
5		May 21, 2024 12:07:02 PM					Signal Track		



wept SA KEYSIGHT RL ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Fre 15.00000		Settings
Spectrum cale/Div 10 c	IB		Ref Level -20.0		Mkr1	19.448 49 GHz -86.702 dBm	10.000000	Span	
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an ash with	a la participa de la companya de la			and the state of the	anan alaman alama a		CF Step 1.0000000 Auto Man	000 GHz	
110							Freq Offse 0 Hz	1	
tart 10.000 G Res BW 1.0 I			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ~20.4 ms (40000 pts)		le	Loca
1	C [] ?	May 21, 2024 12:10:17 PM	$\square \triangle$				Signal Trac (Span Zoom		



Spectrum Analy Swept SA	vzer 1	+					Frequen	cy 🔻 🛃
EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Pow Trig: Free Run	rer (RMS <mark>123456</mark> A WWWWW A A A A A A A	Center Frequency 15.000000000 GHz	Settings
Spectrum cale/Div 10 d	T B		Ref Level -20.00) dBm	Mkr1	19.037 73 GHz -87.053 dBm	Span 10.0000000 GHz Swept Span Zero Span	
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110							Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~	Stop 20.000 GHz 20.4 ms (40000 pts)		Loca
1		May 21, 2024 12:12:12 PM					Signal Track (Span Zoom)	1



KEYSIGHT ≀L +→ ⊠	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	13.00000000		Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00) dBm	Mkr1	19.209 73 GHz -86.459 dBm	10.0000000	ban	
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							Stop Freq 20.00000000	0 GHz	
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		Alterative and the fibling strain fit	yari barindi tingi kinga	y Antonin Anna Anger Sugar progra Santini Anna Anger Sugar progra	aMilitany statute of our party of	Paul ICEN INTERNS	CF Step 1.0000000000 Auto Man	GHz	
							Freq Offset 0 Hz		_
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Sweep	Stop 20.000 GHz ~20.4 ms (40000 pts)			Loca
5		May 21, 2024 12:14:34 PM					Signal Track		



WEPT SA	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Rur	ower (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Fi 15.0000	equency 00000 GHz	Settings
Spectrum cale/Div 10 c	IB		Ref Level -20.0		Mkr1	19.058 98 GHz -86.352 dBm	Swe	000 GHz pt Span Span	
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No. of Concession, Name			an da data a si si si			1 RMS	CF Step 1.00000 Auto Man	0000 GHz	
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art 10.000 G tes BW 1.0 I			#Video BW 3.0) MHz	Sweep	Stop 20.000 GHz ~20.4 ms (40000 pts)		ale	Loca
1	C [] ?	May 21, 2024 12:17:49 PM	$\square \triangle$				Signal Tr (Span Zoo		



Spectrum Analy Swept SA	vzer 1	+				1	Frequency	- v 2.
EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off			Center Frequency 15.000000000 GHz	Settings
Spectrum cale/Div 10 d	T B		Ref Level -20.00		Mkr1 19.835 75 -86.726	GHZ	Span 10.0000000 GHz Swept Span Zero Span	
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an and all the					n fra an an dien ny sida and y se die yn differ a die an die Ny se an an die an an die an		CF Step 1.000000000 GHz Auto Man	
100							Freq Offset) Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Stop 20.0 Sweep ~20.4 ms (400	00 GHz	Axis Scale Log Lin	Loca
1		May 21, 2024 12:19:44 PM				X	Signal Track Span Zoom)	



KEYSIGHT RL +++	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Pi Trig: Free Rui	ower (RMS <mark>12345(</mark> A WW WW W A A A A A A	13.0000000		Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00) dBm	Mkr1	19.901 75 GH -87.037 dBn	10.0000000	Span	
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							Stop Freq 20.0000000	00 GHz	
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110							Freq Offset 0 Hz		
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep	Stop 20.000 GH ~20.4 ms (40000 pts			Loca
ち		May 21, 2024 12:22:21 PM					Signal Track		



KEYSIGHT RL +++	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWWW AAAAAA	Center Frequency 15.000000000 GF	z Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00) dBm	Mkr1	19.182 98 GHz -86.953 dBm	Span 10.0000000 GHz Swept Span Zero Span	
							Full Span	
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							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep [,]	Stop 20.000 GHz ~20.4 ms (40000 pts)		Loca
15		May 21, 2024 12:25:37 PM	\square				Signal Track (Span Zoom)	



Spectrum Analy Swept SA	/zer 1	+					Freque	ncy 🔻 ⋛
EYSIGHT ⊥ +→- ₪	Input. RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Powe Trig: Free Run	r (RMS <mark>1 2 3 4 5 6)</mark> A WWWWW A A A A A A A	Center Frequency 15.000000000 GH	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00) dBm	Mkr1 1	9.282 48 GHz -86.752 dBm	Span 10.0000000 GHz Swept Span Zero Span	
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100		all die die gesteen die versteren die see					Man Freq Offset	
110 tart 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Sweep ~2	Stop 20.000 GHz 0.4 ms (40000 pts)		Loca
1		May 21, 2024 12:27:32 PM					Signal Track (Span Zoom)	



pectrum Anal wept SA		+					\$	Frequency	1
EYSIGHT L +> 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Pow Trig: Free Run	rer (RMS <mark>1</mark> 2 3 4 5 6 A WW WW W A A A A A A A	Center Free 15.000000		Settings
Spectrum ale/Div 10 c	IB		Ref Level -20.00		Mkr1	18.653 47 GHz -86.777 dBm	10.000000	Span	
							Full	Span	
D.0 D.0							Start Freq 10.000000	000 GHz	
							Stop Freq 20.000000	000 GHz	
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No. of Lot of Lot			and the second	and a film I distant where the state of the	And the states are from a little	1 RMS	CF Step 1.0000000 Auto Man	00 GHz	
10							Freq Offset 0 Hz		
art 10.000 G tes BW 1.0 I			#Video BW 3.0	MHz	Sweep ~	Stop 20.000 GHz 20.4 ms (40000 pts)		e l	Loca
1	C []	May 21, 2024 12:29:52 PM	\square				Signal Trac (Span Zoom		



Spectrum Analy Swept SA		+				<u></u>	Freque	ency 🔻 🛃
EYSIGHT ⊥ +++ ₪	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power Trig: Free Run	(RMS123456 AWWWWW AAAAAA	Center Frequency 15.000000000 GH	z
Spectrum cale/Div 10 d	T B		Ref Level -20.00) dBm		9.826 00 GHz -86.592 dBm	10.000000000112	
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100							Man Freq Offset	
110 tart 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Sweep ~20	Stop 20.000 GHz).4 ms (40000 pts)		Loca
15		May 21, 2024 12:33:09 PM	\mathbb{D}			¥ - ×	Signal Track (Span Zoom)	



Swept SA	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS123456 AWWWWW AAAAAA	Center Frequence 15.00000000 C	Setunds
g Spectrum cale/Div 10 d	B		Ref Level -20.00		Mkr1	19.700 49 GHz -86.637 dBm	Span 10.0000000 GH Swept Span Zero Span	
							Full Span	
i0.0 i0.0							Start Freq 10.000000000	GHz
							Stop Freq 20.000000000	GHz
70.0							AUTO TUN	E
an also show	entredat, standarda	An a star a s		an in the strength and states	त्वान्त्वा स्वतं (किल्ल्ल्स्स्ट्री) स		CF Step 1.000000000 Gi Auto Man	Hz
100							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Sweep -	Stop 20.000 GHz ~20.4 ms (40000 pts)		Loca
17		May 21, 2024 12:35:04 PM	$\mathbb{D} \triangle$				Signal Track (Span Zoom)	



KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pow Trig: Free Run	er (RMS <mark>1</mark> 23456 A WW WW W A A A A A A A	Center Frequency 1.850000000 GHz Span	Setting
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 d		Mkr1	1.850 000 GHz -26.506 dBm	4.00000000 MHz Swept Span Zero Span	
7.2			\cap			Full Span	
2.84						Start Freq 1.848000000 GHz	
2.8					DL1 -13.00 dBm	Stop Freq 1.852000000 GHz	
2.8		1				AUTO TUNE	
			1			CF Step 400.000 kHz	
2.8	man and the second	mail			RMS	Auto Man	
2.8						Freq Offset 0 Hz	
enter 1.850000 GHz Res BW 30 kHz		#Video BW 1.0	MHz	#Swee	Span 4.000 MHz p ~1.01 s (1001 pts)	X Axis Scale Log Lin	Lo
- n c	May 21, 2024 11:36:11 AM	\square				Signal Track (Span Zoom)	

5 M_Band Edge_Low_BPSK_1RB



EYSIGHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	MS <mark>123456</mark> A WW WW W A A A A A A A	Center Frequency 1.850000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 c			60 000 GHz 3.135 dBm	4.00000000 MHz Swept Span Zero Span	
7.2						Full Span	
84					RMS	Start Freq 1.848000000 GHz	
2.8		1			DL1 -13.00 dBm	Stop Freq 1.852000000 GHz	
2.8						AUTO TUNE	
2.8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					CF Step 400.000 kHz	
2.8						Auto Man Freq Offset	
2.8						0 Hz	Loc
enter 1.850000 GHz les BW 51 kHz		#Video BW 160	kHz		pan 4.000 MHz 01 s (1001 pts)	X Axis Scale Log Lin	200
- n c -	? May 21, 2024 11:35:39 AM	\square		II 🔛		Signal Track (Span Zoom)	

5 M_Band Edge_Low_BPSK_FullRB



Spectrum Analy Channel Power	zer 1	÷					\$	Frequency	▼ <mark>**</mark>
KEYSIGHT RL +→+	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.848 Avg Hold: 300/300 Radio Std: None	500000 GHz	president and a second second second	Frequency 00000 GHz	Settings
1 Graph	*		Ref LvI Offset 27				4.0000	MHz	
Scale/Div 10.0 Log 20.0 10.0 .000 .000 .000 .000 .000 .000			Ref Value 30.00 d			RMS AVG	CF Step 400.00 Aut Ma Freq Off 0 Hz	0 kHz io n	
-60.0 Center 1.84850 Res BW 39.000			Video BW 390.00	0 kHz*	Sweep 3	Span 4 MHz .20 ms (1001 pts)			
2 Metrics	v								
Total Channe		-26.35 dBm / 1.0							Local
Total Power	Spectral Density	y -86.35 d	Bm/Hz						Lood
ま り		May 21, 2024 11:35:49 AM	\square			3 - 🔀			

5 M_Extended Band Edge_Low_BPSK_FullRB



RL Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pow Trig: Free Run	er (RMS <mark>1</mark> 23456 A WW WW W A A A A A A A	Center Frequency 1.915000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 d		Mkr1	1.915 000 GHz -29.089 dBm	4.00000000 MHz Swept Span Zero Span	
7.2		m				Full Span	
.16						Start Freq 1.913000000 GHz	
2.8					DL1 -13.00 dBm	Stop Freq 1.917000000 GHz	
2.8		1			RMS	AUTO TUNE	
12.8						CF Step 400.000 kHz Auto	
2.8						Man Freq Offset	
2.8 enter 1.915000 GHz		#Video BW 1.0	MHz		Span 4.000 MHz	0 Hz X Axis Scale Log	Lor
	? May 21, 2024 11:42:01 AM	\square		#Swee	o∼1.01 s (1001 pts)	Log Lin Signal Track (Span Zoom)	

5 M_Band Edge_High_BPSK_1RB



KEYSIGHT Input: RF RL +++ Coupling: DC Align: Auto Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequency 1.915000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27. Ref Level 27.16 d		Mkr1	1.915 008 GHz -24.852 dBm	4.00000000 MHz	
7.2						Full Span	
2.84						Start Freq 1.913000000 GHz	
2.8					DL1 -13.00 dBm	Stop Freq 1.917000000 GHz	
2.8						AUTO TUNE	
2.8					RMS	CF Step 400.000 kHz	
i2.8						Auto Man	
52.8						Freq Offset 0 Hz	
enter 1.915000 GHz tes BW 51 kHz		#Video BW 160	kHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)		Loc
- - - - - - - - - - - - - -	May 21, 2024 11:41:29 AM	\square				Signal Track (Span Zoom)	

5 M_Band Edge_High_BPSK_FullRB



Spectrum Analy Channel Power	zer 1	+					\$	Frequency	- * 絵
KEYSIGHT RL -►- ™	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.9165000 Avg Hold: 300/300 Radio Std: None	00 GHz	programming in the second	requency 0000 GHz	Settings
1 Graph Scale/Div 10.0	₫B		Ref LvI Offset 27 Ref Value 30.00 (4.0000 I	MHz	
20.0 10.0							400.000 Auto Mar		
0.00	May -						Freq Offs 0 Hz		
		······	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			RMS AVG			
-60.0 Center 1.91650 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3.20 n	Span 4 MHz ns (1001 pts)			
2 Metrics	•								
Total Chann Total Power	el Power Spectral Density	-30.51 dBm / 1.0 y -90.51 d							Local
۲	2	May 21, 2024 11:41:38 AM	\square						

5 M_Extended Band Edge_High_BPSK_FullRB



KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (F Trig: Free Run	RMS <mark>123456</mark> A WWWWW AAAAAA	Center Frequency 1.850000000 GHz Span	Setting
Spectrum v cale/Div 10 dB		Ref LvI Offset 27. Ref Level 27.16 d			50 000 GHz 37.045 dBm	4.00000000 MHz Swept Span Zero Span	
7.2			\cap			Full Span Start Freq 1.848000000 GHz	
2.84					DL1 -13.00 dBm	1.848000000 GH2 Stop Freq 1.852000000 GHz	
32.8		ý/				AUTO TUNE CF Step	
i2.8	and the state of t				RMS	400.000 kHz Auto Man	
2.8 enter 1.850000 GHz		#Video BW 1.0	MHz		Span 4.000 MHz	Freq Offset 0 Hz X Axis Scale	Lo
	? May 21, 2024 11:44:15 AM				1.01 s (1001 pts)	Log Lin Signal Track (Span Zoom)	

10 M_Band Edge_Low_BPSK_1RB



KEYSIGHT Input: RF RL Image: Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	AS <mark>123456</mark> AWWWWW AAAAAA	Center Frequency 1.850000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 d		Mkr1 1.85 -2	0 000 GHz 5.109 dBm	4.00000000 MHz Swept Span Zero Span	
7.2						Full Span	
.16					RMS	Start Freq 1.848000000 GHz	
2.8					DL1 -13.00 dBm	Stop Freq 1.852000000 GHz	
2.8		1				AUTO TUNE	
2.8		And a state of the				CF Step 400.000 kHz	
2.8						Auto Man	
2.8						Freq Offset 0 Hz	
enter 1.850000 GHz tes BW 100 kHz		#Video BW 300	kHz		pan 4.000 MHz 01 s (1001 pts)		Loc
- n c -	May 21, 2024 11:43:44 AM	\square				Signal Track (Span Zoom)	

10 M_Band Edge_Low_BPSK_FullRB



Spectrum Analy Channel Power	zer 1	+					*	Frequency	- ÷ 🔆
KEYSIGHT RL +→+	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.84850 Avg Hold: 300/300 Radio Std: None	0000 GHz	president and a state of the st	requency 00000 GHz	Settings
1 Graph	*		Ref Lvl Offset 27				4.0000	MHz	
Scale/Div 10.0 Log 20.0 10.0 .000 .000 .000 .000 .000 .000			Ref Value 30.00 (RMSAVG	CF Step 400.000 Aut Mar Freq Off 0 Hz) kHz o 1	
Center 1.84850 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3.20	Span 4 MHz 0 ms (1001 pts)			
2 Metrics	۲								
Total Channe Total Power	el Power Spectral Density	-29.72 dBm / 1.0 y -89.72 d							Local
ま り		May 21, 2024 11:43:54 AM	\odot						

10 M_Extended Band Edge_Low_BPSK_FullRB



KEYSIGHT Input: RF L Input: RF Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (Trig: Free Run	(RMS <mark>123456</mark> A WWWWW AAAAAA	Center Frequency 1.915000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27. Ref Level 27.16 d			915 000 GHz -38.621 dBm	4.00000000 MHz Swept Span Zero Span	
7.2		~				Full Span	
.16						Start Freq 1.913000000 GHz	
12.8					DL1 -13.00 dBm	Stop Freq 1.917000000 GHz	
22.8	/					AUTO TUNE	
42.8		1				CF Step 400.000 kHz	
52.8			man and a second	and a second and a second as	RMS	Auto Man	
52.8						Freq Offset 0 Hz	
enter 1.915000 GHz Res BW 30 kHz		#Video BW 1.0	MHz	#Sweep ~	Span 4.000 MHz 1.01 s (1001 pts)	X Axis Scale Log Lin	Loc
1 5 C 🗌	May 21, 2024 11:49:25 AM	\square				Signal Track (Span Zoom)	1

10 M_Band Edge_High_BPSK_1RB



KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Center Frequency 1.915000000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 c		Mkr1	1.915 008 GHz -34.399 dBm	4.0000000 MHz	
16						Full Span Start Freg	
2.84					DL1 -13.00 dBm	1.913000000 GHz Stop Freq	
2.8						1.917000000 GHz AUTO TUNE	
2.8					RMS	CF Step 400.000 kHz	
2.8						Man Freq Offset 0 Hz	
enter 1.915000 GHz Res BW 100 kHz		#Video BW 300	kHz	#Swee	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis Scale	Lo
500	May 21, 2024 11:48:52 AM	$\mathbb{P} \triangle$				Signal Track (Span Zoom)	

10 M_Band Edge_High_BPSK_FullRB



Spectrum Analy Channel Power		+					0	Frequency	1 1
KEYSIGHT RL +→- ™	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.9165000 Avg Hold: 300/300 Radio Std: None	00 GHz	1.91650	requency 00000 GHz	Settings
1 Graph			Ref LvI Offset 27	.16 dB			Span 4.0000	MHz	
Scale/Div 10.0	dB		Ref Value 30.00 (dBm			CF Step 400.000 Auto Mar	D	
0.00							Freq Off 0 Hz		
40.0 .50.0 .60.0				~~~~~		RMS AVG			
Center 1.9165			Video BW 390.0	0 kHz*		Span 4 MHz			
Res BW 39.00 2 Metrics	0 kHz				Sweep 3.20 r	ns (1001 pts)			
: Metrics									
Total Chann	el Power	-32.75 dBm / 1.0	0 MHz						
Total Power	Spectral Density	y -92.75 di	Bm/Hz						Local
۲		May 21, 2024 11:49:02 AM	\odot						

10 M_Extended Band Edge_High_BPSK_FullRB



CEYSIGHT Input RF Coupling DC Align: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	1S <mark>123456</mark> A WW WW W A A A A A A A	Center Frequency 1.850000000 GHz Span	Setting
Spectrum v cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.16 d		Mkr1 1.85 -3	0 000 GHz 9.798 dBm	4.00000000 MHz Swept Span Zero Span	
16			\square			Full Span	
2.84						Start Freq 1.848000000 GHz Stop Freg	
2.8					DL1 -13.00 dBm	1.852000000 GHz	
2.8		1				AUTO TUNE CF Step 400.000 kHz	
i2.8	a the second state of the				RMS	Auto Man	
52.8						Freq Offset 0 Hz	
enter 1.850000 GHz Res BW 30 kHz		#Video BW 1.0	MHz		pan 4.000 MHz)1 s (1001 pts)	X Axis Scale Log Lin	Lo
500	? May 21, 2024 11:51:41 AM	\square				Signal Track (Span Zoom)	1

15 M_Band Edge_Low_BPSK_1RB