



KEYSIGHT RL +++ M PASS	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 Run Gate: Off IF Gain. Low	Avg Hc	Freq: 2.55000 Id: 100.00% o Std. None		Center Frequency 2.550000000 GHz CF Step	Settings
Graph cale/Div 10 d	•			vl Offset 27.3 alue 30.0 dB					16.000000 MHz	_
og	<u>в</u>		Ref V	alue 30.0 dB	m			Relative Limit	Auto Man	
20.0 10.0 0.00									Freq Offset 0 Hz	
10.0 20.0 30.0				A				Absolute Limi	t	
-50.0 -50.0 -50.0		^		h	mul fr	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·····	Spectrun		
oisp Center 2.	55000 GHz	Chai	n Det: Ave	erage, #Offs	Det: Average			oan 160.00 MH 001 pts	z	
? Table	T	Powe 22.69 dB	er m / 40 MH	z						
Start Freg	Stop Freq	Integ BW	dBm	Lower ∆Limit(dB)	Freq (Hz)	dBm	Upper ∆Limit(dB)	Freq (Hz)		
20.00 MHz	21.00 MHz	30.00 kHz	-56.16	(-46.16)	-20.19 M	-41.62	(-31.62)	20.00 M		
21.00 MHz	25.00 MHz	1.000 MHz	-42.37	(-32.37)	-24.80 M	-35.04	(-25.04)	21.18 M		
25.00 MHz	60.00 MHz	1.000 MHz	-38.18	(-25.18)	-26.75 M	-37.44	(-24.44)	38.65 M		
60.00 MHz	80.00 MHz	1.000 MHz	-53.67	(-28.67)	-60.10 M	-54.90	(-29.90)	63.80 M		Loc
8.000 MHz	12.50 MHz	1.000 MHz		()			()			
12 50 MHz	15 00 MH7	1 000 MH7		()			()			

## High Channel Edge Plot (40 MHz BPSK RB 1)





EYSIGHT	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 Run Gate: Off IF Gain. Low	Avg Hc	Freq: 2.55000 old: 100.00% of Std. None		Center Frequ 2.55000000	
Graph cale/Div 10 d	v B		Ref L	vl Offset 27.3 alue 30.0 dB					CF Step 16.000000 M	MHz
og 0.0								Relative Limit	Man	
0.0									Freq Offset 0 Hz	
0.0								Absolute Limit		
0.0							\	Spectrum		
isp Center 2.	55000 GHz	Chai	n Det: Ave	erage,#Offs	Det: Average			oan 160.00 MHz 001 pts		
	<b>v</b>	Powe	er							
Table		22.71 dB	m / 40 MH	z						
Table							Upper			
Table				Lower						
Table Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Limit(dB)	Freq (Hz)	dBm	∆Limit(dB)	Freq (Hz)		
	Stop Freq 21.00 MHz	Integ BW 820.0 kHz	dBm -14.16		Freq (Hz) -20.00 M	dBm -16.62	∆Limit(dB) (-6.62)	Freq (Hz) 20.00 M		
Start Freq				∆Limit(dB)						
Start Freq 20.00 MHz	21.00 MHz	820.0 kHz	-14.16	∆Limit(dB) (-4.16)	-20.00 M	-16.62	(-6.62)	20.00 M		
20.00 MHz 21.00 MHz	21.00 MHz 25.00 MHz	820.0 kHz 1.000 MHz	-14.16 -23.38	∆Limit(dB) (-4.16) (-13.38)	-20.00 M -21.02 M	-16.62 -23.14	(-6.62) (-13.14)	20.00 M 21.00 M		
Start Freq 20.00 MHz 21.00 MHz 25.00 MHz	21.00 MHz 25.00 MHz 60.00 MHz	820.0 kHz 1.000 MHz 1.000 MHz	-14.16 -23.38 -26.31	∆Limit(dB) (-4.16) (-13.38) (-13.31)	-20.00 M -21.02 M -25.00 M	-16.62 -23.14 -26.91	(-6.62) (-13.14) (-13.91)	20.00 M 21.00 M 25.00 M		Ľ

# High Channel Edge Plot (40 MHz BPSK)



EYSIGHT	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 WW WW W A A A A A A A	5.01500	requency 10000 GHz	Setting
Spectrum cale/Div 10 (	dB		∧2	Ref Level 10.00	dBm	Mk	r1 3.827 1 GHz -70.274 dBm	Swe	000 GHz ept Span o Span	
0.0			\ <u>2</u>						ıll Span	
0.0								Start Fre 30.0000		
50.0				مراسات	ware and	الجرود فالازداف المار	RMS	Stop Fre 10.0000	9 100000 GHz	
tart 30 MHz Res BW 1.0 I	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AU <sup>T</sup> CF Step		
Marker Table	3							997.000	000 MHz	
Mode	Trace	Scale	X 3.827 1 GHz	Y -70.27 dBm	Function	Function Width	Function Value	Auto Mar		
1 N 2 N 3	1	f	2.500 6 GHz	-5.397 dBm				Freq Off: 0 Hz	set	
4 5 6								X Axis S Log Lin		Lo
			May 31, 2024 1:53:22 PM					Signal Tr	and a local second s	



EYSIGH1 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 <del>WWWW</del> A A A A A A	Center Fre 5.015000		Settings
pectrum ale/Div 10	<b>▼</b> dB		Ref Level 10.00	dBm	Mk	r1 8.834 5 GHz -69.654 dBm	0.070000	ot Span	
.0		2						l Span	
							Start Freq 30.00000		
	a di sa ng si di sana ang si sa	المسلين والمسلمة والمسلمة المسلمة	الد المربي الم	والمتحافية المردانية		RMS	Stop Freq 10.00000	00000 GHz	
			#Video BW 3.0	MHz	Sween	Stop 10.000 GHz		O TUNE	
es BW 1.0	MHz				<b>Uncep</b>	~18.7 ms (20001 pts)	OF Step		
es BW 1.0	MHz T				Sincep	~18.7 ms (20001 pts)	997.0000	00 MHz	
es BW 1.0 larker Table Mode		X 8 834 5 CH7	Y 69.65 dBm	Function F	Function Width	Function Value	and the second se	00 MHz	
es BW 1.0 larker Table Mode 1 N 2 N 3	٠	X 8.834 5 GHz 2.533 0 GHz	-69.65 dBm	Function F			997.0000 Auto		
es BW 1.0 Iarker Table Mode 1 N 2 N	Trace Scale	8.834 5 GHz	-69.65 dBm	Function F			997.0000 Auto Man Freq Offse	et	Lo



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	wer (RMS <mark>123456</mark> A <del>WWWWW</del> AAAAAA	Center Frequency 5.015000000 GHz	Setting
Spectrum ale/Div 10	₹ dB	<u>م</u> 2	Ref Level 10.00	dBm	Mk	r1 8.270 2 GHz -70.140 dBm	Span 9.97000000 GHz Swept Span Zero Span	
.0 .0		Q2					Full Span	
							Start Freq 30.000000 MHz	
			ورالت المراجع	المقاني والمعادية	فالسامينانين الارتبانين الارتبانين الارتبانين الارتبانين الارتبانين الارتبانين الارتبانين الارتبانين الارتباني		Stop Freq 10.000000000 GHz	
art 30 MHz es BW 1.0	MHz		#Video BW 3.0		Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUTO TUNE CF Step	
Marker Table							997.000000 MHz	
Mode	Trace Scale	× X 8.270 2 GH	Y z70.14 dBm	Function	Function Width	Function Value	Auto Man	
	1 f	2.565 4 GH					Freq Offset 0 Hz	
1 N 2 N 3							X Axis Scale	Lo
2 N							Log Lin	



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: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A <del>WWWWW</del> A A A A A A	Center Frequency 5.015000000 GHz	Setting
Spectrum ale/Div 10	<b>v</b> dB	∧2	Ref Level 10.00	dBm	Mk	r1 9.167 5 GHz -70.032 dBm	Span 9.97000000 GHz Swept Span Zero Span	
0.0		Z					Full Span	
10.0							Start Freq 30.000000 MHz	
50.0		المتورنية المعادية المحادث		-	بالجريفان والمتر المتري		Stop Freq 10.000000000 GHz	2
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	X 9.167 5 GHz	Y -70.03 dBm	Function	Function Width	Function Value	Auto Man	
1 N 2 N 3	1 f	2.500 6 GHz					Freq Offset 0 Hz	
- 3							X Axis Scale Log	Lo
4 5 6							Lin Lin	



EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Corr CCorr Freq Ref. Ir NFE: Adap	Preamp: Off nt (S)	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	<u>∧2</u>	Ref Level 10.0	0 dBm	Mk	r1 5.759 8 GHz -70.460 dBm	Span 9.97000000 GHz Swept Span Zero Span	
0.0		\ <u></u>					Full Span	
30.0 40.0							Start Freq 30.000000 MHz	
50.0 60.0 70.0 80.0	3 (	للابتحاد المتعادية	الاستغريبة	مر المراجع الم	مالين الدين الذين الذين	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	
Marker Table							997.000000 MHz	
Mode 1 N	Trace Sca	le X 5.759	Y 8 GHz -70.46 dBn		Function Width	Function Value	Auto Man	
1 N 2 N 3	1 f	2.530					Freq Offset 0 Hz	
4 5							X Axis Scale Log Lin	Lo
6								



ept SA			+		000 5		10.10 B		Frequency	
YSIGH1	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 1 2 3 4 5 6 A WW WW W A A A A A A A	personal and a service of the servic	Frequency 00000 GHz	Setting
ectrum		•	della della della			Mk	r1 3.793 7 GHz	Span 9.9700	0000 GHz	
e/Div 10	dB		∆2	Ref Level 10.00	dBm		-69.519 dBm		ept Span ro Span	
)								F	ull Span	
								Start Fr 30.000	eq 000 MHz	
0 0 0				1			RMS	Stop Fr 10.000	≥q 000000 GHz	
0 t 30 MHz	Astronica (orbitalis)		and the second the second s	#Video BW 3.0			Stop 10.000 GHz	AU	TO TUNE	
s BW 1.0	MHz	-				Sweep	~18.7 ms (20001 pts)	CF Step 997.00	) 0000 MHz	
Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Au Ma		
1 N 2 N 3	1	f f	3.793 7 GHz 2.560 4 GHz					Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lin	9	Lo
5	2	72	May 31, 2024 2:15:46 PM	$\square$				Signal 1		



++-	Input F 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 <mark>123456</mark> A <del>WWWW</del> A A A A A A	5.01500	requency 00000 GHz	Setting
ectrum le/Div 10 c	iB	•	^2	Ref Level 10.00	dBm	Mk	r1 9.954 1 GHz -70.338 dBm	Swe	0000 GHz ept Span o Span	
			\2						ull Span	
								Start Fre 30.0000	iq 100 MHz	
)				ميەكىرەللەر يەلى	المساولة المسالم		R	Stop Fre 10.0000	9 000000 GHz	
t 30 MHz s BW 1.0 I	WHz	ت الأحسا		#Video BW 3.0		Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AU <sup>*</sup> CF Step	TO TUNE	
arker Table									0000 MHz	
Mode	Trace	Scale	X 9.954 1 GHz	Y -70.34 dBm	Function	Function Width	Function Value	Auto Mar		
N 2 N 3	1	f	2.500 6 GHz	-5.502 dBm				Freq Off 0 Hz	set	
5 								X Axis S Log Lin		L



EYSIGHT	Input RF Coupling E 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 (RMS123456 A WW WW W A A A A A A A		equency 0000 GHz	Setting
Spectrum ale/Div 10 (	, ∎B		∧2	Ref Level 10.00	dBm	Mk	r1 3.804 1 GHz -70.489 dBm	Swe	000 GHz pt Span Span	
00			<u></u> ∠					-	ll Span	
10.0								Start Free 30.0000		
50.0 60.0 70.0	a de la conte en celles		المتعادية المتعاد المتعاد	1	المتعاقدة المتعاقدة	ور بالمتحديدة والمحمد و	RMS	Stop Free 10.0000	1 00000 GHz	
tart 30 MHz Res BW 1.0 I	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUT CF Step	O TUNE	
Marker Table								997.000	000 MHz	
Mode 1 N	Trace So	cale	X 3.804 1 GHz	Y -70.49 dBm	Function	Function Width	Function Value	Auto Man		
1 N 2 N 3	1	f	2.528 0 GHz					Freq Offs 0 Hz	et	
4 5 6								X Axis So Log Lin	ale	La
the second s			May 31, 2024 2:24:06 PM	$\square$				Signal Tr		



ept SA			+						Frequency	′ •
YSIGH1	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 1 2 3 4 5 6 A WW WW W A A A A A A A	PERSONAL PROPERTY AND INCOME.	Frequency 00000 GHz	Setting
ectrum		•	And Landson and And			Mk	r1 8.272 2 GHz	Span 9.9700	0000 GHz	
le/Div 10	dB		∆ <mark>2</mark>	Ref Level 10.00	dBm		-69.909 dBm		ept Span ro Span	
								F	ull Span	
0								Start Fr 30.000	eq 000 MHz	
0 0 0					de reter de administration de		↓1 RMS	Stop Fr 10.000	eq 000000 GHz	
0 descentioniste	ialidea bilippia		المردية المتعلقة ويدينهم أجرائها					AL	TO TUNE	
t 30 MHz s BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step	)	
arker Table		•						997.00	0000 MHz	
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	Au Ma		
1 N 2 N 3	1	f	8.272 2 GHz 2.555 4 GHz					Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lir	g	Lo
5	2	7 2	May 31, 2024 2:27:13 PM	$\square \land$				Signal 1 (Span Ze	rack	



YSIGHT -►-	Input R 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 <del>WWWWW</del> A A A A A A		requency 0000 GHz	Setting
ectrum e/Div 10 d	в	•	^2	Ref Level 10.00	dBm	Mk	r1 9.111 2 GHz -70.181 dBm	Swe	000 GHz pt Span Span	
			Z						II Span	
								Start Fre 30.0000		
			المستبد والمستبد والمستر	فليتتبينان	ولار المراجعة	بالمزرانين المريض	T RMS	Stop Free 10.0000	न 00000 GHz	
30 MHz BW 1.0 N	1Hz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUT CF Step	O TUNE	
arker Table		v						997.000	000 MHz	
Mode N	Trace	Scale	X 9.111 2 GHz	Y -70.18 dBm	Function	Function Width	Function Value	Auto Man		
2 N 3	1	f	2.500 6 GHz	-5.720 dBm				Freq Offs 0 Hz	et	
								X Axis So Log Lin	ale	La



Ale/Div 10 dB   Ref Level 10.00 dBm   -69.759 dBm   -69.759 dBm     30   2	EYSIGH⊺ -≁-	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: Pow Trig: Free Run	er (RMS <mark>123456</mark> A <del>WW WW W</del> A A A A A A A	Center Frequency 5.015000000 GHz	Setting
000000000000000000000000000000000000	og 📃			Ref Level 10.00	dBm	Mkr		Swept Span	
Mode     Trace     Scale     X     Y     Function     Function     Width     Function     Value       1     1     2.525 5 GHz     -5.198 dBm     -5.198 dBm     -5.198 dBm     -5.198 dBm     -     -     Xarks Scale			2						
Node     Trace     Scale     X     Y     Function     Function     Width     Function     Value       1     1     1     2.5255     5.6Hz     -5.198     dBm     -5.198     dBm     -69.76     -69.76     -69.76     -69.76     -69.76     -69.76     -69.76     -70.00000     Max     -70.00000	).0 ).0								
Auto Tune   art 30 MHz Stop 10.000 GHz   Sweep ~18.7 ms (20001 pts)   Marker Table   Mode   Trace Scale   X Y   Function Function Width   Freq Offset   0 Hz   3 1   4   5	0.0	المتلافية والمراجع المراجع	منور و معنی المرون ا			الوبالاز كالمواطلي المشروطان والملو	A RMS		
Market habe Auto   Mode Trace Scale X Y Function Function Width Function Value   1 N 1 f 8.869 9 GHz -69.76 dBm   2 N 1 f 2.525 5 GHz -5.198 dBm   3 - - - -   4 - - - -   5 - - - -	RO O Harristeen								
Mode     Trace     Scale     X     Y     Function     Function     Width     Function     Value     Man       1     N     1     f     8.869.9 GHz     -69.76 dBm     Freq Offset     0 Hz     Freq Offset     0 Hz     0 Hz     XAxis Scale       3     -     -     -     -     -     -     -     -     -     -     0 Hz     XAxis Scale     -	tart 30 MHz	MHz		#Video BW 3.0	MHz	Sweep ~*			
2 N 1 f 2.525 5 GHz -5.198 dBm 3 4 5 X Axis Scale	art 30 MHz Res BW 1.0			#Video BW 3.0	MHz	Sweep ~′		CF Step	
5 X Axis Scale	art 30 MHz Res BW 1.0 Marker Table Mode			Y			18.7 ms (20001 pts)	CF Step 997.000000 MHz Auto	
6 Log Lin	art 30 MHz Res BW 1.0 Marker Table Mode 1 N 2 N	Trace Scale	8.869 9 GHz	Y -69.76 dBm			18.7 ms (20001 pts)	CF Step 997.000000 MHz Auto Man Freq Offset	



ectrum Anal ept SA			+						Frequency	, .
YSIGH1	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 Rur	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A A		Frequency 00000 GHz	Setting
ectrum	,		de l'anti-			Mk	r1 9.106 7 GHz	0.0700	0000 GHz	
le/Div 10	dB		∆2	Ref Level 10.00	dBm		-70.324 dBm	3	ept Span ro Span	
)								F	ull Span	
								Start Fr 30.000	eq 000 MHz	
0 0 0				ميندويدر المراجع	na atta anta atta atta atta		1 RMS	Stop Fr 10.000	eq 000000 GHz	
0 t 30 MHz		in the second		#Video BW 3.0			Stop 10.000 GHz		TO TUNE	
s BW 1.0						Sweep	~18.7 ms (20001 pts)	CF Step	) 0000 MHz	
arker Table Mode	Trace	Scale	x	Y	Function	Function Width	Function Value	Au Ma	0	
1 N 2 N 3	1	f f	9.106 7 GHz 2.550 9 GHz	-70.32 dBm -4.686 dBm				Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lir	9	La
ら	3	7?	May 31, 2024 2:38:33 PM					Signal T		



EYSIGHT L +>- D	Input RF Coupling Di Align: Auto	Corr Freq	t Z: 50 Ω CCorr Ref: Int (S) : Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run	wer (RMS123456 A WW WW W A A A A A A A	5.01500	Frequency 00000 GHz	Settings
Spectrum :ale/Div 10 (	, dB	^2		Ref Level 10.00	dBm	Mk	r1 4.921 3 GHz -69.613 dBm	Sw	0000 GHz ept Span o Span	
00		\\ \\							ull Span	
0.0								Start Fre 30.000	eq DOO MHz	
0.0 0.0 0.0	a alta a constitution d			1-	www	المجمولة المترينة المترينة المترينية	RMS	Stop Fre 10.0000	eq 000000 GHz	
art 30 MHz tes BW 1.0 I	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AU CF Step	TO TUNE	
Marker Table	v							997.000	0000 MHz	
Mode 1 N	Trace Sca		X 4.921 3 GHz	Y -69.61 dBm	Function	Function Width	Function Value	Aut Mai		
2 N 3	1		2.500 6 GHz	-5.177 dBm				Freq Off 0 Hz	set	
4 5								X Axis S Loç Lin	1	Lo
6										



EYSIGH1 L +>+ 1	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: Pov Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A A	Center Frequency 5.015000000 GHz	Settings
Spectrum cale/Div 10	v dB	^2	Ref Level 10.00	dBm	Mkr	1 9.702 9 GHz -70.007 dBm	Span 9.97000000 GHz Swept Span Zero Span	
0.0							Full Span	
30.0 40.0							Start Freq 30.000000 MHz	
50.0	and a state with the second	مستعليتها ليعيد	معصعنات	بنادرة والمسالية	بىلىنىنى بىرىنىنى	Marriel Marriel Marriel	Stop Freq 10.00000000 GHz	
80.0 manufactured								
tart 30 MHz Res BW 1.0	MHz		#Video BW 3.0	MHz	Sweep ~	Stop 10.000 GHz	AUTO TUNE	
tart 30 MHz Res BW 1.0	MHz v		#Video BW 3.0	MHz	Sweep ~	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step 997.000000 MHz	
tart 30 MHz Res BW 1.0 Marker Table Mode			Y		Sweep -		CF Step	
tart 30 MHz Res BW 1.0 Marker Table Mode 1 N 2 N 3	٣	X 9.702 9 GHz 2.523 0 GHz	Y -70.01 dBm			-18.7 ms (20001 pts)	CF Step 997.000000 MHz	
tart 30 MHz Res BW 1.0 Marker Table Mode 1 N 2 N	Trace Scale	9.702 9 GHz	Y -70.01 dBm			-18.7 ms (20001 pts)	CF Step 997.000000 MHz Auto Man Freq Offset	Lo



ectrum Ana ept SA	19 19 19 19 19 19 19 19 19 19 19 19 19 1	+						Frequency	· •
YSIGH	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 Rur	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A A	PERSONAL PROPERTY AND INCOME.	Frequency 00000 GHz	Setting
pectrum	•	Collection and a			Mk	r1 9.694 4 GHz	0.0700	0000 GHz	
ale/Div 10	dB	<b>∂2</b>	Ref Level 10.00	dBm		-69.581 dBm	3	ept Span o Span	
0.0							F	ull Span	
0.0							Start Fre 30.000	eq 000 MHz	
50.0 50.0 70.0							Stop Fre 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		TO TUNE	
Res BW 1.0 Marker Table					Sweep	~18.7 ms (20001 pts)	and the second second second	) 0000 MHz	
Mode	Trace Sca		Y	Function	Function Width	Function Value	Aut Ma		
1 N 2 N 3	1 f	9.694 4 GH 2.545 9 GH					Freq Of 0 Hz	fset	
4 5 6							X Axis S Lo Lin	9	Lo
5	3	May 31, 2024 2:50:03 PM	$\bigcirc \triangle$				Signal T		



YSIGHT	Input: RF Coupling: D Align: Auto	Freq R		#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run	wer (RMS <mark>123456</mark> A <del>WWWWW</del> AAAAAA		equency 000 GHz	Setting
pectrum ale/Div 10 ( g	, 1B	∆2_	F	Ref Level 10.00	dBm	Mk	r1 4.031 0 GHz -69.782 dBm		00 GHz It Span Span	
.0 .0									Span	
								Start Free 30.00000		
				1-	ter side, side, side side		RMS	Stop Freq 10.00000	0000 GHz	
art 30 MHz es BW 1.0 I	WHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUT CF Step	DTUNE	
Marker Table								997.0000	00 MHz	
Mode 1 N	Trace Sc		X 031 0 GHz	Y -69.78 dBm	Function	Function Width	Function Value	Auto Man		
2 N 3	1		501 1 GHz	-5.689 dBm				Freq Offs 0 Hz	et	-
4 5 6								X Axis Sc Log Lin	ale	Lo



YSIGHT ++-	Input: R 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 1 2 3 4 5 6 A <del>WW WW W</del> A A A A A A A	Center Freq 5.0150000		Setting
bectrum Ie/Div 10 c	IB	•	∧2	Ref Level 10.00	dBm	Mk	r1 9.142 1 GHz -70.118 dBm	Span 9.9700000 Swept Zero S	Span	
) ) )								Full S		
0								Start Freq 30.000000	MHz	
0			and humanina with	نىيىلىرىنى يەلىن.	المشاعر والمستعمل وال	بلمحالف الازامي الازر	PIAS	Stop Freq 10.000000	000 GHz	
0 t 30 MHz s BW 1.0 M	ЛНz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AUTO CF Step	TUNE	
arker Table		v						997.00000	0 MHz	
Mode	Trace	Scale	X	Y -70.12 dBm	Function	Function Width	Function Value	Auto Man		
1 N 2 N 3	1	f	9.142 1 GHz 2.521 0 GHz	-5.357 dBm				Freq Offset 0 Hz		
4 5 6								X Axis Scale Log Lin		La



YSIGH1 -≁-	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	Setting
pectrum ale/Div 10	dB	•		Ref Level 10.00		Mk	r1 8.063 8 GHz -70.664 dBm	Sw	0000 GHz ept Span ro Span	
0 0 0			2						ull Span	
								Start Fr 30.000	eq 000 MHz	
0							1 RMS	Stop Fr 10.000	eq 000000 GHz	
t 30 MHz s BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	AU CF Step		
arker Table									0000 MHz	
Mode	Trace	Scale	X 8.063 8 G	Y Hz -70.66 dBm	Function	Function Width	Function Value	Au Ma		
1 N 2 N 3	1	f	2.540 9 G					Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lin	g	La
			May 31, 202 3:01:14 PM	4				Signal 1		



EYSIGHT	Input F Couplin Align: A	ig: DC			Pr	Atten: 20 dB reamp: Off	PNO: Fa Gate: O IF Gain: Sig Trac	ff Low	#Avg Type: F Trig: Free Ru	n	1 2 3 4 5 6 A <del>WW WW W</del> A A A A A A A	5.0150	Frequency 00000 GHz	Settings
pectrum ale/Div 10 (	зв	•			Re	f Level 10.00	dBm		M		61 7 GHz 819 dBm	Sw	0000 GHz ept Span o Span	
0 .0			<mark>2</mark>										ull Span	
												Start Fre 30.000	eq 000 MHz	
0.0 0.0 0.0		فاقتسان مرارق	مونداً اردو	ويوطيقتني			~~~	لىمىلادىمالىن ئ	أوارا الإرخان والمراجع	1	RMS	Stop Fre 10.000	eq 000000 GHz	
art 30 MHz Res BW 1.0	MHz				#V	ideo BW 3.0	MHz		Sweep		10.000 GHz (20001 pts)	AU CF Step	TO TUNE	
Marker Table		•											0000 MHz	
Mode 1 N	Trace	Scale		X 261 7 G	<b>U</b> ~	Y -69.82 dBm	Functio	n F	unction Width	Functi	on Value	Aut Ma		
2 N 3	1	f		501 1 G		-5.765 dBm						Freq Of 0 Hz	'set	
4 5 6												X Axis S Lo <u>ş</u> Lin	1	Lo
And a state of the				31, 202							- 53	Signal T		



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 Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A <del>WWWWW</del> A A A A A A A	Center Frequency 5.015000000 GHz	Settings
Spectrum ale/Div 10	, ∃B	∆2	Ref Level 10.00	dBm	Mki	r1 3.782 7 GHz -70.149 dBm	Span 9.97000000 GHz Swept Span Zero Span	
00		02					Full Span	
0.0 0.0							Start Freq 30.000000 MHz	
0.0		لمستحسبين المس	1 میانندین ماند	من المراجع الم	بالمحاشرة البيالية الم	RMS	Stop Freq 10.000000000 GHz	
			#Video BW 3.0	MH7		Stop 10.000 GHz	AUTO TUNE	
art 30 MHz tes BW 1.0	MHz		#video Bvv 3.0	MINZ	Sweep -	~18.7 ms (20001 pts)	CF Step	
es BW 1.0	MHz T		#video Bvv 5.0		Sweep ?		997.000000 MHz	
es BW 1.0 Marker Table Mode		X 2 782 7 CH7	Y		Sweep -			
es BW 1.0 Marker Table Mode 1 N 2 N 3	۲	X 3.782 7 GHz 2.518 5 GHz	Y -70.15 dBm			~18.7 ms (20001 pts)	997.000000 MHz	
Marker Table Mode 1 N 2 N	Trace Scale	3.782 7 GHz	Y -70.15 dBm			~18.7 ms (20001 pts)	997.000000 MHz Auto Man Freq Offset	Lo



ectrum Anal ept SA	lyzer 1	+					\$	Frequency	•
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 Rur	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A A		Frequency 00000 GHz	Settings
pectrum ale/Div 10	, dB		Ref Level 10.00		Mk	r1 9.907 3 GHz -70.616 dBm	0.0700	0000 GHz ept Span	
		2						ro Span ull Span	
0 0 0							(Antonia in the	000 MHz	
0	فالمناصر والمراجع والمراجع والمراجع	مسيند ومعادته ويتباد المواد والم	نياسيمي المراجع	www.	مالىرىنا ئور الفرن الار الاروا	R.1		000000 GHz	
rt 30 MHz s BW 1.0	MHz		#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	CF Step	Server and the server of the	
arker Table Mode	Trace Scale	×	Y	Function	Function Width	Function Value	997.00 Aut Ma		
1 N 2 N 3	1 f 1 f	9.907 3 GHz 2.536 0 GHz					Freq Of 0 Hz	fset	
4 5 6							X Axis S Lo Lin	g	Lo
っ	2	<b>?</b> May 31, 2024 3:12:39 PM	$\bigcirc \triangle$				Signal T (Span Zo		



	Coupling: DC Align: Auto	Corr CCo Freq Ref NFE: Ad	Int (S)	Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Rur	wer (RMS <mark>123456</mark> A <del>WWWW</del> A A A A A A	5.01500	requency 00000 GHz	Setting
ectrum le/Div 10 dE	¥ 3	^2	R	ef Level 10.00	dBm	Mk	r1 8.257 7 GHz -70.328 dBm	Swe	0000 GHz ept Span o Span	
		<u></u> 2							ull Span	
) 								Start Fre 30.0000	eq 000 MHz	
) ) )					وشاوينا فيالجن	AND AND A STATE OF A DESCRIPTION	A RMS	Stop Fre 10.0000	9 000000 GHz	
t 30 MHz s BW 1.0 MI	Hz		#	Video BW 3.0			Stop 10.000 GHz ~18.7 ms (20001 pts)	AUT CF Step	TO TUNE	
arker Table	•								0000 MHz	
	Trace Sca			Y	Function	Function Width	Function Value	Auto Mar		
1 N 2 N 3	1 f		67 7 GHz 10 6 GHz	-70.33 dBm -5.629 dBm				Freq Off: 0 Hz	set	
4 5 6								X Axis S Log Lin		La



Spectrum   Mkr1 9.101 7 GHz   9.97000000 GHz     scale/Div 10 dB   Ref Level 10.00 dBm   -70.192 dBm     00   0   0   0     010   0   0   0     020   0   0   0     030   0   0   0     040   0   0   0     050   0   0   0     060   0   0   0   0     000   0   0   0   0   0   0   0     000   <	Swept SA KEYSIGHT RL +>+	Input: RF Coupling: DO 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	Sate: Off Trig: Free Run A WW WW W		Center Frequency 5.015000000 GHz	Settings
200     300 <th>-<b>og</b> 0.00 10.0</th> <th></th> <th><mark>∕2</mark></th> <th>Ref Level 10.00</th> <th>dBm</th> <th>Mk</th> <th></th> <th>Swept Span Zero Span</th> <th></th>	- <b>og</b> 0.00 10.0		<mark>∕2</mark>	Ref Level 10.00	dBm	Mk		Swept Span Zero Span	
Marker Table Y Function Function Width Function Vidth Function Vidth   Mode Trace Scale X Y Function Function Vidth Marker   1 N 1 f 9.101 7 GHz -70.19 dBm Freq Offset 0 Hz   2 N 1 f 2.516 0 GHz -5.402 dBm 0 Hz Xaxis Scale   4 - - - - - - - -   6 - - - - - - - -	i0.0 i0.0 i0.0 i0.0 i0.0 i0.0 i0.0			لو المادين بالي الم	Realities and a set of the set of the	يتغلى بعدي أكس يعلم الحزير	1 RMS	30.000000 MHz Stop Freq	
Mode     Trace     Scale     X     Y     Function     Function     Width     Function     Value     Man       1     N     1     f     9.1017 GHz     -70.19 dBm     Freq Offset     0 Hz     Freq Offset     0 Hz     0 Hz     2     N     1     f     2.516 0 GHz     -5.402 dBm     0 Hz     X Axis Scale     Loo     Loo     0 Hz     X Axis Scale     Loo	tart 30 MHz Res BW 1.0			#Video BW 3.0	MHz	Sweep		CF Step	
	1 N 2 N 3 4	1	9.101 7 G	Hz -70.19 dBm	Function	Function Width	Function Value	Man Freq Offset 0 Hz X Axis Scale	Loc



EYSIGHT Input: RF Coupling: Align: Aut	DC Corr CCorr	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 ) Trig: Free Run A WW WW A A A A A	5.015000000 GHz
spectrum v ale/Div 10 dB		Ref Level 10.00	dBm	Mkr1 8.278 7 G -70.361 dE	Swept Span Zero Span
0.0					Full Span Start Freq 30.000000 MHz
0.0 0.0 0.0	an provide the state of the state	مينا الدين المريك المريكة الم	ميناهرجاني فالمرادلين		MS Stop Freq 10.00000000 GHz
					AUTOTUNE
art 30 MHz Res BW 1.0 MHz Marker Table T		#Video BW 3.0	MHz	Stop 10.000 C Sweep ~18.7 ms (20001 p	GHz     CF       ots)     CF Step       997.000000 MHz
Res BW 1.0 MHz Marker Table	Scale X f 8.278 7 G f 2.531 0 G	Y Hz -70.36 dBm			GHz CF Step



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: Power (RMS 1 2 3 4 Trig: Free Run	18.5000	requency 00000 GHz	Settings
Spectrum cale/Div 10 d	IB		Ref Level -20.00	) dBm	Mkr1 26.647 2 0 -83.778 d	Bm Swe	000 GHz pt Span Span	
						Fu	ll Span	
0.0						Start Free 10.0000	7 00000 GHz	
0.0						Stop Free 27.0000	1 00000 GHz	
0.0						AUT	O TUNE	
0.0		ar net skillednist kan at 1 ma Re	a the second states and the	الغري والمعارير في الأقف ورواد الماري	an de astra ta ta da can de alta de a la dece a seconda de la deserva de astra de la defensa de		0000 GHz	
100		And the little states			الثلا الأشتقا وتعقمه يا	Auto Man		
						Freq Offs 0 Hz	et	
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Stop 27.000 Sweep ~32.1 ms (4000		ale	Loca
5	C [ ]	May 31, 2024 1:53:48 PM	$\square$			Signal Tra		



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: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WWWW A A A A A A		Center Frequency 18.500000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm	Mkr1 26.74 -84.0	4 1 GHz 43 dBm	11.000000000112	
0.0							Full Span Start Freq	-
							10.00000000 GHz Stop Freq 27.00000000 GHz	
0.0	a strat station of .	n di Manatan basa ar		eliter distille discussed at the	nen fanden út sjerteten Hennen slenke st	R.	AUTO TUNE CF Step 1.70000000 GHz	
00							Auto Man Freq Offset 0 Hz	
art 10.000 G tes BW 1.0 M			#Video BW 3.0	MHz	Stop 2 Sweep ~32.1 ms (	7.000 GHz 40000 pts)		Loc
5	<b>۲</b>	May 31, 2024 1:58:51 PM	$\square$				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		WWW 18.50	r Frequency 00000000 GHz	Settings
Spectrum cale/Div 10 d	T B		Ref Level -20.00	) dBm	Mkr1 26.313 6 -84.494	dBms	000000 GHz wept Span ero Span	
							Full Span	
i0.0 i0.0						Start 1 10.00	Freq 00000000 GHz	
						Stop F 27.00	<sup>-</sup> req 00000000 GHz	
0.0							UTO TUNE	
				a the free design last the			uto Ian	
						Freq 0 0 Hz	Offset	_
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Stop 27.00 Sweep ~32.1 ms (400	DO GHZ L	Scale .og .in	Loca
15	2	May 31, 2024 2:04:58 PM	$\mathbb{D}$				Track 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: Power (RMS Trig: Free Run	<b>1 2 3 4 5 6</b> A WW WW W A A A A A A A	Center Frequency 18.500000000 GHz		Settings
Spectrum cale/Div 10 d	₹ IB		Ref Level -20.00	) dBm	Mkr1 26.0 -84	45 0 GHz .513 dBm	Span 17.000000 Swept Zero S	Span	
							Full	Span	
0.0							Start Freq 10.000000	000 GHz	
							Stop Freq 27.000000	000 GHz	
70.0 30.0 90.0	Å. (1421). 147 (15. 15. Å). (4.	ning significant for the second participation of the second second second second second second second second s	TRANSPORT	er et la constant de		1.MS	AUTO CF Step 1.7000000		
100							Man Freq Offset		
							0 Hz		_
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~32.1 m	p 27.000 GHz s (40000 pts)	X Axis Scal Log Lin	e.	Loca
っ		May 31, 2024 2:08:47 PM	$\square$				Signal Trac	k	



Swept SA	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		2 3 4 5 6	Center Frequence 18.500000000 C	
g Spectrum cale/Div 10 c	iB		Ref Level -20.00		Mkr1 26.32		Span 17.0000000 GH Swept Span Zero Span	
							Full Span	
0.0							Start Freq 10.000000000 C	GHz
0.0							Stop Freq 27.000000000 (	GHz
0.0 0.0 0.0		a, der Mittelsfelster die se	17 19 19 19 19 19 19 19 19 19 19 19 19 19	tanta interest di tana kan basi ta tu	ns for a still not for an annual of the same stands of	1.3 4000000	AUTO TUNI CF Step 1.700000000 GI	
100							Man Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Stop 2 Sweep ~32.1 ms (	7.000 GHz 40000 pts)	X Axis Scale Log Lin	Loca
1	C []	May 31, 2024 2:13:07 PM					Signal Track (Span Zoom)	



Spectrum Analy Swept SA		+				<u></u>	Freque	ncy 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 (RM Trig: Free Run	MS <mark>123456</mark> A WW WW W A A A A A A A	Center Frequency 18.500000000 GH	z
Spectrum cale/Div 10 d	T IB		Ref Level -20.00			.577 1 GHz 4.150 dBm	11.0000000 0112	
							Full Span	
0.0							Start Freq 10.000000000 GH	z
0.0							Stop Freq 27.000000000 GH	z
70.0 30.0						a state state dive	AUTO TUNE CF Step 1.70000000 GHz	
0.0		a de la companya de La companya de la comp		este general de la company series de			Auto Man	
							Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz		op 27.000 GHz ms (40000 pts)		Loca
1		May 31, 2024 2:16:12 PM					Signal Track (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: Power (RM Trig: Free Run	4S <mark>123456</mark> A <del>wwww</del> AAAAAA	Center Frequenc	Setunds
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm		.554 1 GHz 4.332 dBm	Span 17.0000000 GH; Swept Span Zero Span	
							Full Span	
i0.0 50.0							Start Freq 10.000000000 G	iHz
							Stop Freq 27.00000000 G	Hz
70.0 30.0		are sold from the soul of		intrin and value to train fables of	Update livers and and Reference	1 RMS	AUTO TUNE CF Step 1.700000000 GH	
100				and the second second second	in the second		Auto Man	
							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz		op 27.000 GHz ns (40000 pts)		Loca
17		May 31, 2024 2:20:12 PM	$\mathbb{D} \triangle$		📰 🔛		Signal Track (Span Zoom)	



KEYSIGHT ≀L +→ ⊠	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			Center Frequency 18.500000000 GH	z
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm	Mkr1 26.3 -83.	39 1 GHz 538 dBm	Span 17.0000000 GHz Swept Span Zero Span	
							Full Span	
0.0							Start Freq 10.000000000 GH	z
							Stop Freq 27.000000000 GH	z
0.0		ي ب ب ب ب ب ب ب		ana an	a ta ya shifaa da ka ka bababaa ah Ma	1.5 • 5) • 0 • 0 • 0 • 0	AUTO TUNE CF Step 1.700000000 GHz	
100				and the second	ter Constantin and a share for a first the desired		Auto Man	
110							Freq Offset 0 Hz	
art 10.000 G tes BW 1.0 M			#Video BW 3.0	MHz	Stop Sweep ~32.1 ms	o 27.000 GHz s (40000 pts)		Loca
15		May 31, 2024 2:24:32 PM	$\square$				Signal Track (Span Zoom)	



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	#Avg Type: Power (RMS123456 Trig: Free Run A WW WW A A A A A A A		Hz Settings
Spectrum cale/Div 10 d	₹ B		Ref Level -20.00			5.534 1 GHz -84.784 dBm	11.000000000112	
							Full Span	
0.0							Start Freq 10.000000000 GH	Hz
							Stop Freq 27.000000000 GH	Ηz
70.0 30.0							AUTO TUNE	
0.0		ور بالا شور و رو و و رو	And the set of the set	dam. (Balling ash.)		RMS	CF Step 1.700000000 GHz Auto	2
100							Man Freq Offset	
							0 Hz	Loca
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz		Stop 27.000 GHz .1 ms (40000 pts)		LOCA
1		May 31, 2024 2:27:40 PM	$\mathbb{D} \triangle$				Signal Track (Span Zoom)	



KEYSIGHT		H Input Ζ: 50 Ω Corr CCorr Freq Ref. Int (S)	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High	#Avg Type: Power (RM Trig: Free Run	AWWWW	Center Fre 18.50000	equency 0000 GHz	Settings
0		NFE: Adaptive		Sig Track: Off		A A A A A A	Span		
Spectrum					Mkr1 26.0		17.00000	00 GHz	
ale/Div 10 d	IB		Ref Level -20.00	) dBm	-83	.951 dBm	Swep Zero	ot Span Span	
							Full	Span	
0.0							Start Freq 10.00000	0000 GHz	
							Stop Freq 27.00000	0000 GHz	
0.0							AUTO	DTUNE	
0.0		allow of the calescential to		الانفادية والمراجع والمعادية	and the state of the second state of the secon	TANK AND AND AND	CF Step 1.700000	000 GHz	
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110							Freq Offse 0 Hz	t	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sto Sweep ~32.1 m	p 27.000 GHz s (40000 pts)	X Axis Sca Log Lin	le	Loca
15	C D	May 31, 2024 2:31:26 PM	$\square$				Signal Tra (Span Zoor		



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	Trig: Free Run	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A A A A A A		z
Spectrum cale/Div 10 d	r IB		Ref Level -20.00	) dBm	Mkr1 25.7 -83.	30 1 GHz 431 dBm	Span 17.0000000 GHz Swept Span Zero Span	
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							Stop Freq 27.000000000 GH	z
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100							Auto Man	
							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Stop Sweep ~32.1 ms	27.000 GHz (40000 pts)		Loca
5	2	May 31, 2024 2:35:52 PM					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: Power (RM Trig: Free Run	15 <mark>123456</mark> A WW WW W A A A A A A A	Center Frequen 18.500000000	Setunds
Spectrum cale/Div 10 d	T IB		Ref Level -20.00			628 5 GHz 3.798 dBm	Span 17.0000000 Gł Swept Spa Zero Span	
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100		Constitution from anon		and the second			Auto Man	
							Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz		op 27.000 GHz ns (40000 pts)	X Axis Scale Log Lin	Loca
1		May 31, 2024 2:38:58 PM					Signal Track (Span Zoom)	



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 (RM Trig: Free Run	IS <mark>123456</mark> A <del>WWWWW</del> AAAAAA	Center Frequency 18.50000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm		230 7 GHz I.340 dBm	Span 17.0000000 GHz Swept Span Zero Span	
0.0 0.0							Full Span Start Freq	
0.0							10.00000000 GHz Stop Freq 27.00000000 GHz	
0.0 0.0 0.0			Hand and the second	a h kali ga tëra në kili. Lë veni ta nakëron jë k	and a state of the second of the state of the state of the second s	1 RMS	AUTO TUNE CF Step 1.700000000 GHz Auto Man	
00 10 art 10.000 G	Hz		#Video BW 3.0	MHz	Sto	op 27.000 GHz	Freq Offset 0 Hz X Axis Scale	Loc
es BW 1.0 M		May 31, 2024 2:43:06 PM			Sweep ~32.1 n			



KEYSIGHT ≀L +→ ⊠	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: Power (RMS Trig: Free Run	<b>1 2 3 4 5 6</b> A WW WW W A A A A A A A	Center Frequency 18.500000000 GH	z Settings
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm	Mkr1 26.7 -83	05 9 GHz 714 dBm	17.000000000112	
							Full Span	
0.0							Start Freq 10.000000000 GH	Iz
							Stop Freq 27.000000000 GH	IZ
0.0						R.	AUTO TUNE CF Step 1.700000000 GHz	
0.0			An Automatica Automatica				Auto Man	
							Freq Offset 0 Hz	
art 10.000 G es BW 1.0 M			#Video BW 3.0	MHz	Stop Sweep ~32.1 m	p 27.000 GHz s (40000 pts)		Loca
5	2	May 31, 2024 2:47:24 PM	$\square$				Signal Track (Span Zoom)	



EYSIGHT Input: RF Coupling: DC Align: Auto		#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RM: Trig: Free Run	5 <mark>123456</mark> AWWWWW AAAAAA	Center Frequency 18.50000000 GHz	Settings
spectrum v ale/Div 10 dB	Re	ef Level -20.00	dBm	Mkr1 25.5 -84	28 6 GHz .302 dBm	Span 17.0000000 GHz Swept Span Zero Span	
						Full Span	
0.0						Start Freq 10.000000000 GHz	
						Stop Freq 27.000000000 GHz	
1.0	An 19 (a. ) and the same high streament	Allel and sufficient lines	. Indiate and include a second included	a tha in stan a sha ta a sha shar da ilin d	1 RMS	AUTO TUNE CF Step 1.700000000 GHz Auto	
						Man Freq Offset 0 Hz	
rt 10.000 GHz es BW 1.0 MHz	#	Video BW 3.0	MHz	Sto Sweep ~32.1 m	p 27.000 GHz s (40000 pts)	X Axis Scale	Loca



Spectrum Analy Swept SA		+					\$	Frequency	
EYSIGHT ⊥ +→- 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 (RM: Trig: Free Run	S 1 2 3 4 5 6 A WW WW W A A A A A A A		quency 0000 GHz	Settings
Spectrum cale/Div 10 d	T IB		Ref Level -20.00		Mkr1 26.3 -84	333 2 GHz .474 dBm	Span 17.00000 Swep Zero S	t Span	
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0.0							Start Freq 10.00000	0000 GHz	
0.0							Stop Freq 27.00000	0000 GHz	
								TUNE	
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100							Auto Man		
							Freq Offse 0 Hz		_
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sto Sweep ~32.1 m	p 27.000 GHz s (40000 pts)	X Axis Sca Log Lin	le	Loca
1	C []	May 31, 2024 2:54:09 PM					Signal Tra (Span Zoon		



	put: RF oupling: DC ign: 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 1 2 3 4 5 6 A WWWWW A A A A A A A	Center Frequency 18.50000000 GH	z
Spectrum cale/Div 10 dB	*		Ref Level -20.00	) dBm		6.082 8 GHz 84.417 dBm	Span 17.0000000 GHz Swept Span Zero Span	
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10							Man Freq Offset 0 Hz X Axis Scale	Loc
art 10.000 GHz Res BW 1.0 MH:		May 31, 2024	#Video BW 3.0	MHz		Stop 27.000 GHz 1 ms (40000 pts)	Log	



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: Power (RM Trig: Free Run	S <mark>123456</mark> A WW WW W A A A A A A A	Center Frequen 18.500000000	Setunds
Spectrum cale/Div 10 d	, IB		Ref Level -20.00	) dBm	Mkr1 26.4 -84	476 4 GHz .469 dBm	11.000000000	n
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							Stop Freq 27.000000000	GHz
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100							Auto Man	
							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sto Sweep ~32.1 m	p 27.000 GHz is (40000 pts)		Loca
5		May 31, 2024 3:01:40 PM	$\square$				Signal Track (Span Zoom)	



KEYSIGHT	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: Power (R Trig: Free Run	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW W A A A A A A A		Settings
Spectrum cale/Div 10 c	T IB		Ref Level -20.00	0 dBm		.946 0 GHz 4.572 dBm	Span 17.0000000 GHz Swept Span Zero Span	
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							Freq Offset 0 Hz	
art 10.000 G tes BW 1.0 I			#Video BW 3.0	MHz		top 27.000 GHz ms (40000 pts)		Loca
1	C []	May 31, 2024 3:05:40 PM	$\mathbb{D}$				Signal Track (Span Zoom)	



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: Power (RMS Trig: Free Run	<b>1 2 3 4 5 6</b> A WW WW W A A A A A A A	Center Frequenc	Setunds
Spectrum cale/Div 10 d	T B		Ref Level -20.00	) dBm	Mkr1 26.1 -84	76 8 GHz 251 dBm	Span 17.0000000 GH Swept Span Zero Span	
							Full Span	
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							Stop Freq 27.00000000 0	ЭHz
0.0 30.0		de statikolita (h. si nice e te		radika akuta kana asa kaka kaki			AUTO TUNE CF Step 1.700000000 Gł	
100		Desire and the second					Auto Man	
							Freq Offset 0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Stop Sweep ~32.1 m	o 27.000 GHz s (40000 pts)		Loca
1	2	May 31, 2024 3:09:59 PM	$\mathbb{D} \triangle$				Signal Track (Span Zoom)	



Spectrum Analy Swept SA		+					\$	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		23456 WWWWW AAAAAA	Center Frequ 18.5000000		Settings
Spectrum cale/Div 10 d	в		Ref Level -20.00		Mkr1 26.52 -83.7	8 2 GHz 80 dBm	Span 17.0000000 Swept S Zero Sp	Span	
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							Stop Freq 27.0000000	00 GHz	
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0.0	A sich als as do à b à	had ber date break a layon	-	to stand the sugar shall			CF Step 1.70000000	0 GHz	
100		And a state of the					Man Freq Offset		
							0 Hz		Loca
art 10.000 G Res BW 1.0 N			#Video BW 3.0	MHz	Stop Sweep ~32.1 ms	27.000 GHz (40000 pts)	X Axis Scale Log Lin		2008
15		May 31, 2024 3:13:04 PM	$\mathbb{D}  riangle$				Signal Track (Span Zoom)		



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: Power (RM Trig: Free Run	S <mark>123456</mark> Awwwww AAAAAA	Center Frequence 18.500000000	
Spectrum cale/Div 10 d	B		Ref Level -20.00	) dBm		291 5 GHz 667 dBm	Span 17.0000000 GH Swept Span Zero Span	
							Full Span	
0.0							Start Freq 10.000000000	GHz
							Stop Freq 27.000000000	GHz
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100							Man Freq Offset	
							0 Hz	
art 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz	Sto Sweep ~32.1 m	op 27.000 GHz ns (40000 pts)		Loca
15		May 31, 2024 3:16:48 PM	$\square$		<b></b>		Signal Track (Span Zoom)	



KEYSIGHT ≀L +→-• ⊠	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: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A A A A A A		Center Frequer 18.50000000	Setting
Spectrum cale/Div 10 c	T IB		Ref Level -20.00	) dBm		6.620 0 GHz 84.500 dBm	Span 17.0000000 G Swept Spa Zero Spar	an
							Full Spa	n
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100	and the second second second	Intelligibility in the state of the	an and a state of the				Auto Man	
							Freq Offset 0 Hz	
tart 10.000 G Res BW 1.0 M			#Video BW 3.0	MHz		top 27.000 GHz ms (40000 pts)		La
っ	C []	May 31, 2024 3:21:08 PM	$\square$				Signal Track (Span Zoom)	



Spectrum Analy Swept SA		+						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	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A A A A A A		10.30000000 GHZ		Settings
Spectrum cale/Div 10 d	T B		Ref Level -20.00		Mkr	1 25.969 8 GHz -84.245 dBm	Swe	000 GHz pt Span	
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							Start Fre 10.0000	q 00000 GHz	
							Stop Fre 27.0000	9 00000 GHz	
0.0					n bi matamataki kin	1.ans	CF Step	O TUNE	
0.0		Landad, ang					Auto Man	ř.	
							Freq Offs 0 Hz X Axis Se		Loca
tart 10.000 G Res BW 1.0 M		May 24, 0004	#Video BW 3.0	MHz		Stop 27.000 GHz ~32.1 ms (40000 pts)	Log Lin		
1	CL	May 31, 2024 3:24:12 PM					Signal Tr (Span Zoo		



# **12. ANNEX A\_ TEST SETUP PHOTO**

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

No.	Description
1	HCT-RF-2407-FC028-P