

	Ipling: DC Co	put Ζ: 50 Ω prr CCorr eq Ref: Int (S)	Atten: 20 dB Preamp: Off	Trig: Free Run #IF Gain: Low	Center Freq: 1.745000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None	Ref Level Offset 27.33 dB	Y Scale
etrics	•	2 Graph	•			On Off	Attenua
		Gaussia	in				Signal F
Average Pov	22.39 dBm						
	9.08 % at 0 dB	10 %					
10.0 %	1.90 dB						
1.0 %	3.32 dB	1.%		$\mathbf{\lambda}$			
0.1 %	4.11 dB						
0.01 %	4.65 dB	0.1 %					
0.001 %	5.08 dB						
0.0001 %	5.24 dB	0.01 %					
	5.31 dB	0.001 %					
Peak	27.70 dBm	0.001 %					
		0.0001 % 0.00 dB	0.000 MHz		20.0	00 dB	Lo

40 M_PAR_Mid_BPSK_FullRB



	oupling: DC C	nput Ζ: 50 Ω corr CCorr req Ref: Int (S)	Atten: 20 dB Preamp: Off	Trig: Free Run #IF Gain: Low	Center Freq: 1.745000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None	Ref Level Offset 27.33 dB	Y Scale
etrics	*	2 Graph				On Off	Attenua
		Gaussi	an				Signal F
Average Po	21.90 dBm						
	47.83 % at 0 dB	10 %					
10.0 %	2.29 dB						
1.0 %	4.09 dB	1.%					
0.1 %	5.13 dB						
0.01 %	5.72 dB	0.1 %					
0.001 %	6.08 dB						
0.0001 %	6.23 dB	0.01 %					
	6.26 dB	0.001 %=					
Peak	28.16 dBm	0.001 1					
		0.0001 % 0.00 dB	40.000 MHz		20.0	0 dB	Lo

40 M_PAR_Mid_QPSK_FullRB



	pling DC Corr	t Z: 50 Ω Atten: 2 CCorr Pream Ref: Int (S)			Ref Level Offset 27.33 dB	Y Scale
etrics	•	2 Graph	•		Off	Attenuat
Average Pov	uer.	Gaussian				Signal P
Average Pov	20.89 dBm					
4	6.48 % at 0 dB	10 %				
10.0 %	2.77 dB					
1.0 %	4.56 dB	1.%				
0.1 %	5.67 dB					
0.01 %	6.34 dB	0.1 %				
0.001 %	6.74 dB					
0.0001 %	6.91 dB	0.01 %				
_	6.95 dB	0.001 %				
Peak	27.84 dBm					
		0.0001 % 0.00 dB Info BW 40.000 M	IHz	20	0.00 dB	Loc

40 M_PAR_Mid_16QAM_FullRB



	pling DC Corr		: 20 dB np: Off	Trig: Free Run #IF Gain: Low	Center Freq: 1.745000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None	27.33 dB	Y Scale
etrics	•	2 Graph		I		On Off	Attenuat
Average Pov	uor.	Gaussian					Signal P
Average For	20.39 dBm						
4	15.24 % at 0 dB	10 %					
10.0 %	2.83 dB						
1.0 %	4.70 dB	1 %					
0.1 %	5.82 dB						
0.01 %	6.45 dB	0.1 %					
0.001 %	6.85 dB						
0.0001 %	6.97 dB	0.01 %					
_	7.47 dB	0.001 %					
Peak	27.86 dBm						
		0.0001 % 0.00 dB Info BW 40.000	MHz		20	0.00 dB	Loc

40 M_PAR_Mid_64QAM_FullRB



	upling: DC C	iput Ζ: 50 Ω orr CCorr req Ref: Int (S)	Atten: 20 dB Preamp: Off	Trig: Free Run #IF Gain: Low	Center Freq: 1.745000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None	Ref Level Offset 27.33 dB	Y Scale
etrics	*	2 Graph	÷			On Off	Attenua
	1220	Gaussia	an				Signal F
Average Po	18.36 dBm						
	44.95 % at 0 dB	10 %					
10.0 %	0.05 40						
10.0 %	2.85 dB 4.78 dB	1.%					
0.1 %	4.78 dB						
0.01 %	6.77 dB	0.1 %					
0.001 %	7.14 dB						
0.0001 %	7.28 dB	0.01 %					
	7.31 dB	0.001 %					
Peak	25.67 dBm	0.001					
		0.0001 % 0.00 dB Info BW 4	10.000 MHz		20.0	00 dB	Lo

40 M_PAR_Mid_256QAM_FullRB





Coupling DC Align: Auto Graph Graph Graph Co Graph Co Align: Auto Fre NF Scale/Div 10.0 dB Co Co Align: Auto NF Scale/Div 10.0 dB Co Co Align: Auto NF Scale/Div 10.0 dB Co Co Align: Auto NF Scale/Div 10.0 dB Co Scale Co NF Scale/Div 10.0 dB Co Scale Co NF Scale/Div 10.0 dB Co Scale Co NF Scale/Div 10.0 dB Co Co NF Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Co NF Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Co Scale/Div 10.0 dB Co Scale/Div 10.0 dB Co Scale/Div 10.0 dB Co Scale/Div 10.0 dB Co Scale/Div 10.0 dB Co Scale/Div 10.0 dB Co Scale Co Scale/Div 10.0 dB Co Scale Co	Aften: 20 dB preamp: Off Preamp: Off Preamp: Off Ref Lvi Offset 2 Ref Value 40.00		Center Freq: 1.745000 Avg Hold: 500/500 Radio Std: None	S S	Center Frequency 1.74500000 GHz Span 10.000 MHz CF Step 1.00000 MHz Auto Man Freq Offset 0 Hz	Settings
Graph v cale/Div 10.0 dB 00 00 00 00 00 00 00 00 00 00 00 00 00	Ref Lvi Offset 2 Ref Value 40.00	0 dBm			CF Step 1.0000 MHz Auto Man	
g 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				DEA/	1.000000 MHz Auto Man	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				DEAL	Man Freq Offset	
nter 1.745000 GHz s BW 100.00 kHz			- man	DEAL		
nter 1.745000 GHz es BW 100.00 kHz						
nter 1.745000 GHz es BW 100.00 kHz						
	#Video BW 390	0.00 kHz		Span 10 MHz ms (1001 pts)		
letrics v						
Occupied Bandwidth						
4.5514 MH		Total Power		dBm		
Transmit Freq Error x dB Bandwidth	3.875 kHz 5.371 MHz	% of OBW Pow x dB		00 % 00 dB		Loc

5 M_OBW_Mid_BPSK_FullRB





Spectrum Analyzer 1	÷						Frequency	
KEYSIGHT Input: RF Coupling: DC Align: Auto Align: Auto Align: Auto	Input Ζ: 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: I		1.7450	Frequency 00000 GHz	Settings
Graph v		Ref LvI Offset 27				Span 10.000	MHz	
cale/Div 10.0 dB		Ref Value 40.00	dBm			CF Step 1.0000	o 00 MHz	
0.0	Junior	man market and the second	and a start and a start and a	m		Au Ma		
00 0.0 0.0				- Norde	PEAJ	Freq Of 0 Hz	fset	
0.0								
nter 1.745000 GHz tes BW 100.00 kHz		≇Video BW 390.	00 kHz	Sv	Span 10 MH veep 16.7 ms (1001 pts			
Metrics v								
	59 MHz		Total Power		31.2 dBm			
Transmit Freq Error x dB Bandwidth	-3.746 kł 5.341 Mł		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loc
1 5 6 1 1	May 29, 2024 4:43:11 PM							

5 M_OBW_Mid_QPSK_FullRB





ccupied BW	+					\$	Frequency	
EYSIGHT Input: RF L +++ 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 Fre Avg Hold: 5 Radio Std:		provide a second s	Frequency 00000 GHz	Settings
Graph 🔹		Ref LvI Offset 27				Span 10.000	MHz	
cale/Div 10.0 dB		Ref Value 40.00	dBm			CF Step 1.0000	o 00 MHz	
0.0			5-94-7-4-1-9-1-9	nang		Au Ma		
0.0	507			-	PEAU	Freq Of 0 Hz	fset	
0.0 0.0 0.0 0.0								
enter 1.745000 GHz Res BW 100.00 kHz		#Video BW 390.	00 kHz	Si	Span 10 MH weep 16.7 ms (1001 pts			
Metrics v								
Occupied Bandwidth	15 MHz		T-1-1 D		00.0 48			
4.53 Transmit Freq Error	6.007 k		Total Power % of OBW Pow		29.9 dBm 99.00 %			
	5.498 M		x dB	ver	-26.00 dB			Loc

5 M_OBW_Mid_16QAM_FullRB





ectrum Analyzer 1	+					\$	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 Fre Avg Hold. 5 Radio Std:		1.7450	Frequency 00000 GHz	Settings
Graph 🔻	100000000000000000000000000000000000000	Ref Lvi Offset 27				Span 10.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00				CF Step 1.0000	o 00 MHz	
0	James	~~~~~~~		-		Au Ma		
0	84				PEAU	Freq Of 0 Hz	fset	
0.0								
nter 1.745000 GHz es BW 100.00 kHz	•	#Video BW 390.	00 kHz	s	Span 10 MH weep 16.7 ms (1001 pts			
Occupied Bandwidth	33 MHz		Total Power		29.3 dBm			
Transmit Freq Error x dB Bandwidth	1.191 k 5.381 M		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Lo

5 M_OBW_Mid_64QAM_FullRB





5 M_OBW_Mid_256QAM_FullRB





Spectrum Analyzer 1	+				Frequency	/ 「影
KEYSIGHT Input: RF R L +++ Coupling: DC Align: Auto Align: Auto	Input Ζ: 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: 1.745000000 GHz Avg Hold: 500/500 Radio Std: None	Center Frequency 1.745000000 GHz	Settings
1 Graph v Scale/Div 10.0 dB		Ref LvI Offset 27 Ref Value 40.00 (Span 20.000 MHz CF Step 2.000000 MHz	
20.0	Jumm	·······			Auto Man	
10.0 20.0 30.0				PEAK	Freq Offset 0 Hz	
40.0 50.0 Center 1.74500 GHz		Video BW 820.	00 kHz	Span 20 MHz		
Res BW 200.00 kHz ? Metrics Y				Sweep 1.00 ms (1001 pts)		
Occupied Bandwidth 9.04	ו 451 MHz		Total Power	30.7 dBm		
Transmit Freq Error x dB Bandwidth	-183.40 kH 9.907 MH		% of OBW Pow x dB	99.00 % -26.00 dB		Local
4 7 7 1	? May 29, 2024 4:50:50 PM					

10 M_OBW_Mid_BPSK_FullRB





Supled BW	+ Input Ζ: 50 Ω	Atten: 20 dB	Trig: Free Run	Center Frea	1.745000000 GHz		Frequency	Ľ
Coupling: DC Align: Auto	Corr CCorr Freq Ref: Int (S)	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold: 50 Radio Std: N	00/500		Frequency 000000 GHz	Settings
PASS raph T	NFE: Adaptive	Ref LvI Offset 27	.33 dB			Span 20.000) MHz	
le/Div 10.0 dB		Ref Value 40.00 o	dBm			CF Ste	D	
g 0						10000000000	P 000 MHz	
0		mm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m		Au Ma		
0 0 0 0 0 0 0 0				- Konn	PEA	Freq O	ffset	
0								
0								
nter 1.74500 GHz		#Video BW 820.0	00 kHz		Span 20 MH			
es BW 200.00 kHz letrics				5%	reep 1.00 ms (1001 pt	5)		
Occupied Bandwidth	18 MHz		Total Power		20.0 40			
					30.3 dBm			
Transmit Freq Error x dB Bandwidth	-180.27 k 9.902 M		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Lo
	May 29, 2024	A		-	H 💽 🕂 🔀			

10 M_OBW_Mid_QPSK_FullRB





ectrum Analyzer 1	+						Frequency	2
EYSIGHT Input: RF L +++ Auto PASS	Input Ζ: 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 Avg Hold: 5 Radio Std: 1		president and a second s	Frequency 000000 GHz	Settings
Graph v		Ref LvI Offset 27				Span 20.000	MHz	
cale/Div 10.0 dB		Ref Value 40.00	dBm			CF Step 2.0000	p 100 MHz	
0.0	, warman		www.man.ord	ng		Au Ma		
0.0 0.0 0.0	~			- War	PE	K 0 Hz	fset	
0.0								
enter 1.74500 GHz tes BW 200.00 kHz		#Video BW 820.	00 kHz	Sw	Span 20 Mi veep 1.00 ms (1001 pt			
Metrics r Occupied Bandwidth 8.96	33 MHz		Total Power		29.4 dBm			
Transmit Freq Error x dB Bandwidth	-176.62 ki 9.867 Mi		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loc

10 M_OBW_Mid_16QAM_FullRB





Ceysight Input RF L Coupling- Align: Aut V PASS Graph V cale/Div 10.0 dB 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0	D Freq Ref: Int (NFE: Adaptive		dBm	Center Freq. 1.74500000 GHz Avg Hold: 500/500 Radio Std: None	Center 1.7450 Span 20.000 CF Ste	-0.001/12/	Settings
Graph Y aale/Div 10.0 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Ref LvI Offset 2 Ref Value 40.00	dBm		20.000 CF Step 2.0000	:p	
29 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					2.0000	and the second second second	_
0.0 00 0.0 0.0		un and a second	m	<u></u>			
0.0					Ma Ma		
.0	www			Manan	PEAK 0 Hz	ffset	
0.0							
nter 1.74500 GHz es BW 200.00 kHz		#Video BW 820.	00 kHz	Span 2 Sweep 1.00 ms (10			
Aetrics 🗸							
Occupied Band	width 9.0097 MHz		Total Power	28.6 dBm			
Transmit Freq E		1 kHz	% of OBW Pow				-
x dB Bandwidth			x dB	-26.00 dB			Loc

10 M_OBW_Mid_64QAM_FullRB





Spectrum Analyzer 1	+					Frequency	· · 影
KEYSIGHT Input: RF RL Imput: RF 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: 1.745000000 GHz Avg[Hold: 500/500 Radio Std: None	president and a second s	Frequency 000000 GHz	Settings
Graph 🔻		Ref LvI Offset 27			20.000	MHz	
scale/Div 10.0 dB		Ref Value 40.00	dBm		CF Ste 2.0000	p 100 MHz	
20.0	Junnan	v	mana mana mana mana mana mana mana mana	~	Au Ma		
0.00 10.0 20.0	-mal -			PEAK	Freq O 0 Hz	lfset	
30.0 40.0 50.0							
enter 1.74500 GHz Res BW 200.00 kHz		#Video BW 820.	00 kHz	Span 20 MHz Sweep 1.00 ms (1001 pts)			
Metrics V							
Occupied Bandwidth 8.99	178 MHz		Total Power	26.7 dBm			
Transmit Freq Error x dB Bandwidth	-190.84 ki 9.979 Mi		% of OBW Pow x dB				Loca
	<u></u>						
し てて	May 29, 2024 4:52:20 PM	\square					

10 M_OBW_Mid_256QAM_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: 1.745000000 GHz Avg[Hold: 500/500 Radio Std: None	Center Frequer 1.745000000 C	
raph v ale/Div 10.0 dB		Ref LvI Offset 27 Ref Value 40.00 d			30.000 MHz	
9					CF Step 3.000000 MHz	
0	Januar	mennin	m m		Auto Man	
0	/			humment	Freq Offset 0 Hz	
0						
nter 1.74500 GHz es BW 300.00 kHz	·	#Video BW 1.200	0 MHz	Span 30 Sweep 1.00 ms (1001		
Occupied Bandwidth	76 MHz		Total Power	20.6 dDm		
13.4 Transmit Freq Error x dB Bandwidth	-354.07 k 14.69 M		% of OBW Pow x dB	30.8 dBm 99.00 % -26.00 dB		Lo
	11.00 1		Man Internet	-20.00 35		Edd

15 M_OBW_Mid_BPSK_FullRB





ccupied BW	+ Input Ζ: 50 Ω	Atten: 20 dB	Trig: Free Run	Center Fren	1 74500000	1 GHz		Frequency	_ • 🔛
L + Coupling: DC Align: Auto	Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold: 50 Radio Std: N	00/500	7 GHZ		Frequency 00000 GHz	Settings
Graph		Ref Lvi Offset 27					Span 30.000	MHz	
cale/Div 10.0 dB		Ref Value 40.00 c	iBm				CF Step 3.0000	o 00 MHz	
0.0	James	warmen and the second s	manna	~~			Au Ma		
0.0 0.0 manual sub-	~~			han	and the state of t	PEAK	Freq Of 0 Hz	fset	
0.0									
enter 1.74500 GHz Res BW 300.00 kHz	#	Video BW 1.200	0 MHz	Sw		pan 30 MHz s (1001 pts)			
Metrics v									
Occupied Bandwidth									
	52 MHz		Total Power		30.4 dE				
Transmit Freq Error x dB Bandwidth	-348.00 kł 14.63 Mł		% of OBW Pow x dB	er	99.00 -26.00				Loca
	May 29, 2024 4:59:06 PM			F					

15 M_OBW_Mid_QPSK_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 Avg Hold: 500 Radio Std: No		president and a second second	Frequency 00000 GHz	Settings
Graph v		Ref Lvi Offset 27				Span 30.000	MHz	
9 0.0		Ref Value 40.00	JBM			CF Step 3.0000	o 00 MHz	
.0	Johnson	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~		Au Ma		
0 - 0	~			hermon	PEA		fset	
0.0 0.0 0.0								
nter 1.74500 GHz es BW 300.00 kHz		#Video BW 1.200	0 MHz	Swe	Span 30 MH ep 1.00 ms (1001 pts			
Netrics v	ו 502 MHz		Total Power		29.4 dBm			
		(Hz	% of OBW Pov		99.00 %			

15 M_OBW_Mid_16QAM_FullRB





ale/Div 10.0 dB	Corr CCorr	(S) Ref Lvl Offset 27 Ref Value 40.00		Center Freq Avg[Hold:5(Radio Std: N		Center Fre 1.7450000 Span 30.000 MH CF Step 3.000000 Auto Man Freq Offse 0 Hz	000 GHz Hz MHz	Settings
ale/Div 10.0 dB		Ref Value 40.00	dBm		PEAK	30.000 MH CF Step 3.000000 Auto Man Freq Offse	MHz	
9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				-	PEAK	3.000000 Auto Man Freq Offse		
000 000 000 000 000 000 000 000 000 00				-	PEAK	Man Freq Offse	it	
000 000 000 000 000 000 000 000 000 00				h	PEAK		:t	
0.0 nter 1.74500 GHz es BW 300.00 kHz								
es BW 300.00 kHz								
Vetrics 🔹		#Video BW 1.200	00 MHz	 Sw	Span 30 MHz veep 1.00 ms (1001 pts)			
Occupied Band	▼ dwidth							
	13.470 MHz		Total Power		28.8 dBm			
Transmit Freq 8 x dB Bandwidth		95 kHz 37 MHz	% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loc

15 M_OBW_Mid_64QAM_FullRB





ccupied BW	L.	+							Frequency	· • E
	put: RF pupling: DC ign: Auto	Corr C Freq F	Z: 50 Ω :Corr Ref: Int (S) Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: 5 Radio Std:		president and a second second second	Frequency 000000 GHz	Settings
Graph	*	i desilimikin	F	Ref LvI Offset 27				Span 30.000	MHz	
) .0	•	Ē		Ref Value 40.00 (CF Step 3.0000	p 100 MHz	
0.0		~			man	~		Au Ma		
0.0	man	1				hun	PEA	Freq Of 0 Hz	fset	
0.0										
nter 1.74500 G es BW 300.00			+	Video BW 1.200	00 MHz	S	Span 30 MH weep 1.00 ms (1001 pts			
Metrics										
Occupier	d Bandwidth	86 MHz			Total Power		26.6 dBm			
	Freq Error		-368.28 kH		% of OBW Pol	ver	99.00 % -26.00 dB			Lo

15 M_OBW_Mid_256QAM_FullRB





Graph ale/Div 10.0 dB g g g g g g g g g g g g g g g g g g g		Ref Lvi Off			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Ste 4.000	0000 MHz Nuto Man	
					~~~~~	4.000	0000 MHz Nuto Man	
						PEAK Freq C	10.000	
0						Contraction of Contraction		
nter 1.74500 GHz es BW 390.00 kHz		#Video BW	/ 1.6000 MHz		Spa Sweep 1.00 ms	an 40 MHz (1001 pts)		
letrics Occupied Ban	<b>▼</b>							
Occupied Ball	17.949 MHz		Total P	ower	31.0 dBr	m		
Transmit Freq x dB Bandwidt		-542.51 kHz 19.12 MHz	% of O x dB	BW Power	99.00 % -26.00 di			Loc

#### 20 M_OBW_Mid_BPSK_FullRB





Spectrum Analyzer 1 Occupied BW	+						\$	Frequency	/ 「影
KEYSIGHT     Input: RF       RL     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 Avg Hold: 50 Radio Std: N		GHz	Center Fi 1.74500	requency 0000 GHz	Settings
1 Graph 🔹		Ref LvI Offset 27					Span 40.000 M	ИНz	
Scale/Div 10.0 dB		Ref Value 40.00 (	dBm				CF Step 4.00000	0 MHz	1
20.0	Junean	mannen	An advantation of the state				Auto Man		
-10.0 -20.0 -30.0	ment			han	munchards	PEAK	Freq Offs 0 Hz	et	
-50.0									
Center 1.74500 GHz #Res BW 390.00 kHz	;	Video BW 1.600	00 MHz	Sw	Sp eep 1.00 ms	oan 40 MHz (1001 pts)			
2 Metrics •									
	976 MHz		Total Power		30.6 dE	lm			
Transmit Freq Error x dB Bandwidth	-556.27 kł 19.34 Mł		% of OBW Pow x dB	ver	99.00 -26.00 (				Local
- - - - - - - - - - - - - -	May 29, 2024 5:14:32 PM	$\square$							

# 20 M_OBW_Mid_QPSK_FullRB





ectrum Analyzer 1	+					\$	Frequency	· · - 2
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 Freq Avg[Hold: 50 Radio Std: N		programme and a second	Frequency 00000 GHz	Settings
iraph 🔻		Ref LvI Offset 27				Span 40.000	MHz	
ale/Div 10.0 dB g		Ref Value 40.00				CF Step 4.0000	o 00 MHz	
0	Jumeson	*****	um			Au Ma		
0 pponerson work	sent			hunder	PEAK		fset	
.0								
nter 1.74500 GHz es BW 390.00 kHz	•	#Video BW 1.600	00 MHz	Sw	Span 40 MH reep 1.00 ms (1001 pts			
Occupied Bandwidth	1 019 MHz		Total Power		29.5 dBm			
17.6	-557.95	(Hz	% of OBW Pov	ver	99.00 %			-

#### 20 M_OBW_Mid_16QAM_FullRB





EYSIGHT Input RF Coupling DC	HINDULT Z: 50 Ω Corr CCorr	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off	Center Freq: 1.745000000 GHz Avg[Hold: 500/500	Frequency Center Frequency 1.74500000 GHz	Settings
Align: Auto	Freq Ref: Int (S) NFE: Adaptive		#IF Gain: Low	Radio Std: None		
Graph 🔹		Ref LvI Offset 27.			Span 40.000 MHz	
ale/Div 10.0 dB		Ref Value 40.00 d	Bm		CF Step 4.000000 MHz	
0.0	Junn	mulmin	man	~	Auto Man	
00 promy may prove promised	amont .			PE	Freq Offset 0 Hz	
nter 1.74500 GHz es BW 390.00 kHz		#Video BW 1.600	0 MHz	Span 40 Ml Sweep 1.00 ms (1001 pl		
letrics v						
Occupied Bandwidt			Total Dower	00 0 dBm		
	962 MHz	Hz	Total Power % of OBW Pow	28.9 dBm		

#### 20 M_OBW_Mid_64QAM_FullRB





ectrum Analyzer 1	+						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 Freq Avg Hold: 5/ Radio Std: N		presentation of the local division of the lo	Frequency 00000 GHz	Settings
Graph 🔻		Ref LvI Offset 27				Span 40.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00	JBM			CF Step 4.0000	o 00 MHz	
0	janna		man			Au Ma		
0 0 0 0	~~/			Jongen	PEAU	Freq Of 0 Hz	fset	
0								
nter 1.74500 GHz es BW 390.00 kHz		#Video BW 1.600	0 MHz	Sw	Span 40 MH weep 1.00 ms (1001 pts			
fetrics v Occupied Bandwidth 17.5	) 334 MHz		Total Power		26.8 dBm			
Transmit Freq Error	-550.25	(Hz IHz	% of OBW Pow x dB	wer	99.00 % -26.00 dB			Loc

#### 20 M_OBW_Mid_256QAM_FullRB





Occupied	a bw	+						Frequency	- 湯
RL	GHT Input: RF Coupling: DC Align: Auto	Input Ζ: 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: 1.7450000 Avg Hold: 500/500 Radio Std: None	000 GHz	president and a state of the st	requency 0000 GHz	Settings
1 Graph	•		Ref LvI Offset 27	7.33 dB			50.000 I	MHz	
Log 30.0 20.0 10.0	iv 10.0 dB	Junitrenseer	Ref Value 40.00		~~~		CF Step 5.00000 Auto Mar	)	
0.00 -10.0 -20.0 -30.0 -40.0 -50.0	when and by the following				hundernen	PEAK	Freq Offs 0 Hz	set	
	1.74500 GHz V 510.00 kHz		#Video BW 2.000	00 MHz		Span 50 MHz ms (1001 pts)			
2 Metrics	i T								
	Occupied Bandwidth 23.0	) 14 MHz		Total Power	31.0	dBm			
	Transmit Freq Error x dB Bandwidth	-450.35 k 25.00 M		% of OBW Pov x dB	wer 99. -26.0	00 % 0 dB			Local
	ッペー	May 29, 2024 5:21:38 PM	$\odot$						

#### 25 M_OBW_Mid_BPSK_FullRB





YSIGHT Input RF	Input Z: 50 Ω	Atten: 20 dB	Trig: Free Run	Center Erec	1.745000000 GHz	*		
Align: Auto	Corr CCorr Freq Ref: Int (S)	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold: 5 Radio Std: 1	00/500	programme and a second	Frequency 00000 GHz	Settings
PASS Graph V		Ref LvI Offset 27				Span 50.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00 o	dBm			CF Step	)	1
<b>g</b>						5.0000	00 MHz	
	prosensor and the second	and and a second se		m		Aut Ma		
0 0 0 0 0	1			hurr	PEA		fset	
.0								
nter 1.74500 GHz es BW 510.00 kHz		#Video BW 2.000	00 MHz		Span 50 MH veep 1.00 ms (1001 pts			
letrics v								
Occupied Bandwidth	1 MHz		Total Power		30.5 dBm			
Transmit Freq Error	-450,49 k		% of OBW Pov	Vor	99.00 %			
x dB Bandwidth	25.19 M		x dB	VCI	-26.00 dB			Loo
						-		

# 25 M_OBW_Mid_QPSK_FullRB





Cupied BW	+ Input Ζ: 50 Ω	Atten: 20 dB	Trig: Free Run	Contor Free	1.745000000 GHz		Frequency	
YSIGHT Input RF Coupling: DC Align: Auto	Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold: 5 Radio Std: 1	00/500		Frequency 000000 GHz	Settings
PASS Graph V	NFC. Adaptive	Ref LvI Offset 27				Span 50.00	) MHz	
ale/Div 10.0 dB		Ref Value 40.00	jBm			CF Ste	p	
<b>g</b>						5.000	000 MHz	
0	Junium	den mart war and a feature and	and the second s	my		AL M	ito an	
0 0 marine marine Marine	mand			min	PE		ffset	
0								
.0								
nter 1.74500 GHz es BW 510.00 kHz	1	#Video BW 2.000	0 MHz	Sw	Span 50 N /eep 1.00 ms (1001 p			
letrics v								
Occupied Bandwidth	25 MHz		Total Power		29.6 dBm			
Transmit Freq Error x dB Bandwidth	-428.78 k 25.48 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loc
					Name and Address of the Address of t			
	7 May 29, 2024			-				

#### 25 M_OBW_Mid_16QAM_FullRB





ectrum Analyzer 1	+						Frequency	- T - 20
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 Free Avg Hold: 5 Radio Std: 1		1.745	Frequency 000000 GHz	Settings
Graph 🔻		Ref LvI Offset 27				Span 50.00	0 MHz	
ale/Div 10.0 dB		Ref Value 40.00	dBm	$\square$		CF Ste 5.000	ep 000 MHz	
0.0 0.0 00	por to an and the	mon marine	in the second second	~~~			uto an	
).0 .0	mat			them	PEA	Freq C 0 Hz	offset	
0.0 0.0								
nter 1.74500 GHz es BW 510.00 kHz		#Video BW 2.000	00 MHz		Span 50 MH /eep 1.00 ms (1001 pts			
Metrics v								
Occupied Bandwidth								
23.1	112 MHz		Total Power		29.1 dBm			
Transmit Freq Error x dB Bandwidth	-463.08 k 25.12 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loc
	<b>S</b>	-						
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# 25 M_OBW_Mid_64QAM_FullRB





ectrum Analyzer 1	+					\$	Frequency	
EYSIGHT Input RF L +++ 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 Avg Hold: 50 Radio Std: N		president and a second second second	Frequency 00000 GHz	Settings
Graph 🔻		Ref LvI Offset 27				Span 50.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00	dBm			CF Step 5.0000	o 00 MHz	
).0 ).0 00	Juman	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mandand	m		Au Ma		
0.0 0.0 0.0	1			human	PEAP	Freq Of 0 Hz	fset	
0.0								
enter 1.74500 GHz tes BW 510.00 kHz		#Video BW 2.000	00 MHz	Sw	Span 50 MH eep 1.00 ms (1001 pts			
Metrics •								
	07 MHz		Total Power		27.0 dBm			
Transmit Freq Error x dB Bandwidth	-458.10 k 24.97 M		% of OBW Pow x dB	er	99.00 % -26.00 dB			Loc

#### 25 M_OBW_Mid_256QAM_FullRB





Spectrum Analyzer 1				Frequency	マ影
RL + Coupling: DC Align: Auto	Input Ζ: 50 Ω Atten: 20 dB Corr CCorr Preamp: Off Freq Ref: Int (S) NFE: Adaptive	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.745000000 GHz Avg Hold: 500/500 Radio Std: None	Center Frequency 1.745000000 GHz Span	Settings
1 Graph ▼ Scale/Div 10.0 dB	Ref LvI Offset 27. Ref Value 40.00 d			60.000 MHz	
Log 30.0 20.0 10.0	mmumm	and the state of t		6.000000 MHz	
0.00 -10.0 -20.0			PEAK	Man Freq Offset 0 Hz	
-30.0 -40.0 -50.0					
Center 1.74500 GHz #Res BW 620.00 kHz	#Video BW 2.400	0 MHz	Span 60 MHz Sweep 1.00 ms (1001 pts		
2 Metrics v					
Occupied Bandwidth 28.894 M	MHz	Total Power	30.9 dBm		
Transmit Freq Error x dB Bandwidth	-14.172 kHz 32.55 MHz	% of OBW Powe x dB			Local
	Jul 22, 2024 10:43:13 PM				

# 30 M_OBW_Mid_BPSK_FullRB





Spectrun Occupied	n Analyzer 1	+						<b>Ç</b>	Frequency	•	쏬
REYSI RL	GHT Input: RF →→ Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:		) GHz	Center Fre 1.745000 Span		Settin	gs
1 Graph	•		Ref LvI Offset 27.					60.000 M	Hz		
Scale/Di	v 10.0 dB		Ref Value 40.00 d	Bm				CF Step			
30.0								6.000000	MHz		
20.0 10.0 0.00		Jummunga	mananananana	when we are a second of the	an a			Auto Man			
-10.0	an to an an an and the second have the second	And the second s				\	PEAK	Freq Offse	:t		
-20.0						manada	and the second s	0 Hz			
-40.0											
-50.0											
	.74500 GHz V 620.00 kHz	1	Video BW 2.400	0 MHz	s	Sp weep 1.00 ms	oan 60 MHz s (1001 pts)				
2 Metrics	•										
	Occupied Bandwidth										
	28.85	i4 MHz		Total Power		30.6 dE	3m				
	Transmit Freq Error x dB Bandwidth	13.929 ki 32.31 Mi		% of OBW Pow	ver	99.00 -26.00 (					
	X db bandwidtn	32.31 WI	72	x dB		-20.00 (	uБ			L	.ocal
	って「	Jul 22, 2024 10:43:37 PM									

#### 30 M_OBW_Mid_QPSK_FullRB





Spectrum Occupied		+						Freque	ncy v 👯
-	GHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std		Ηz	Center Frequency 1.745000000 GHz Span	Settings
1 Graph	▼	1	Ref LvI Offset 27.	32 dB				60.000 MHz	
Scale/Div	/ 10.0 dB		Ref Value 40.00 d	Bm				CF Step	
<b>Log</b> 30.0								6.000000 MHz	
20.0 10.0 0.00				Wayber - Harris Maria	www.wy			Auto Man	
10.0					- Vryy		PEAK	Freq Offset	
-20.0	mulation attantion and					man war and the	han and have made	0 Hz	
-40.0									
-50.0									
	74500 GHz 620.00 kHz	#	#Video BW 2.4000	) MHz	s	Spar weep 1.00 ms (1	1 60 MHz 001 pts)		
2 Metrics									
C	Occupied Bandwidth								
		75 MHz		Total Power		29.5 dBm			
	Transmit Freq Error x dB Bandwidth	-16.837 kł 33.01 Mł		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Local
4		Jul 22, 2024 10:43:59 PM	$\square $						

#### 30 M_OBW_Mid_16QAM_FullRB





Spectrun Occupied	n Analyzer 1 💡	+										Frequency	• •	뿛
REYSI RL	GHT Input: RF ← Coupling: DC Align: Auto	Corr C Freq R	Z: 50 Ω Corr Ref: Int (S) Adaptive	Atten: 20 dB Preamp: Off	G	rig: Free Run bate: Off IF Gain: Low	Avg	er Freq: Hold: 50 o Std: N		) GHz	Center Fr 1.745000 Span	requency 0000 GHz	Setti	ngs
1 Graph			F	Ref LvI Offset 2	27.32 c	iB					60.000 N	ЛНz		
Scale/Di Log 30.0 20.0 10.0 0.00	iv 10.0 dB			Ref Value 40.00			- mala	L.			CF Step 6.000000 Auto Man			
-10.0 -20.0 -30.0 -40.0 -50.0	مريداله المجرد ولد جاروا موسية من							- ^J v ^u wh.	h-manager and the second se	PEAK	Freq Offs 0 Hz	et		
	.74500 GHz V 620.00 kHz		#	Video BW 2.4	000 MI	Ηz		Sw		pan 60 MHz s (1001 pts)				
2 Metrics	▼ Occupied Bandwidth	h												
		 904 MHz				Total Power			29.0 dE	Зm				
	Transmit Freq Error x dB Bandwidth		44.763 kH 32.41 MH			% of OBW Pov x dB	wer		99.00 -26.00				C	Local
	<b>り</b> て	<b>?</b> Jul 2 10:44	2, 2024 4:20 PM											

#### 30 M_OBW_Mid_64QAM_FullRB





Spectrun Occupied	n Analyzer 1 . d BW	<b>+</b>										Frequency	· • 🕄	<
RL	GHT Input: RF Coupling: DC Align: Auto	Col Fre	ut Ζ: 50 Ω rr CCorr q Ref: Int (S) E: Adaptive	Atten: 20 dB Preamp: Off	Gate	Free Run e: Off Gain: Low	Avgl	er Freq Hold: 50 o Std: N		) GHz	Center Fre 1.745000 Span		Settings	
1 Graph	•			Ref Lvl Offset	27.32 dB						60.000 M	Hz		
	v 10.0 dB			Ref Value 40.0	0 dBm						CF Step			
<b>Log</b> 30.0											6.000000	MHz		
20.0 10.0 0.00		7	n - n - n - n - n - n - n - n - n - n -		vogrezanda	A Data and		\			Auto Man			
-10.0		A						- No.		PEAK	Freq Offse	t		
-20.0	ward by and a part of the second	and a star						~~~~		PEAK	0 Hz			
-30.0														
-50.0														
	.74500 GHz V 620.00 kHz			#Video BW 2.4	000 MHz			Sw	Sj eep 1.00 ms	pan 60 MHz s (1001 pts)				
2 Metrics	۲													
	Occupied Bandwid	ith												
	. 28	8.900 MH;	z		Tot	al Power			27.0 dE	3m				
	Transmit Freq Erro	or	15.227 k			of OBW Pow	ver		99.00					
	x dB Bandwidth		32.17 M	Hz	x d	В			-26.00	dB			Loca	1
	って		ul 22, 2024 ):44:43 PM	$\square$										

#### 30 M_OBW_Mid_256QAM_FullRB





YSIGHT Input: RF ← Coupling: DC Align: Auto		20 dB Trig: Free Run np: Off Gate: Off #IF Gain: Low	Center Freq: 1.745000000 GHz Avg Hold: 500/500 Radio Std: None	Center Frequency 1.745000000 GHz Span	Settings
raph ▼ Ne/Div 10.0 dB		Offset 27.33 dB Je 40.00 dBm		70.000 MHz	
				CF Step 7.000000 MHz	
0	junnen	and the second second second		Auto Man	
0 0 million and a second second			PE	Freq Offset 0 Hz	
0					
ter 1.74500 GHz s BW 680.00 kHz	#Video	BW 2.7000 MHz	Span 70 M Sweep 1.00 ms (1001 p		
Occupied Bandwidth 32.4	08 MHz	Total Power	31.3 dBm		
Transmit Freq Error x dB Bandwidth	-694.77 kHz 36.29 MHz	% of OBW Pov x dB	wer 99.00 % -26.00 dB		Loc

#### 35 M_OBW_Mid_BPSK_FullRB





YSIGHT Input: RF Coupling: DC Align: Auto		tten: 20 dB Trig: Free Ru reamp: Off Gate: Off #IF Gain: Low	Avg Hold: 500/500	Center Frequency 1.745000000 GHz Span	Settings
raph ▼ ale/Div 10.0 dB		Lvi Offset 27.33 dB Value 40.00 dBm		70.000 MHz	
g				CF Step 7.000000 MHz	
	Junnan	Margenese and an analysis of the state of th	wennen	Auto Man	
0	M		hoursenance	PEAK 0 Hz	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
nter 1.74500 GHz es BW 680.00 kHz	#Vio	leo BW 2.7000 MHz	Span 7 Sweep 1.00 ms (10	70 MHz 01 pts)	
Occupied Bandwidth					
32.4	15 MHz	Total Powe	r 30.8 dBm		
Transmit Freq Error x dB Bandwidth	-692.30 kHz 36.06 MHz	% of OBW x dB	Power 99.00 % -26.00 dB		Loo

## 35 M_OBW_Mid_QPSK_FullRB





ectrum Analyzer 1 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 Fre Avg Hold: 5 Radio Std:		press and a second second second	Frequency 000000 GHz	Settings
Graph 🔻		Ref LvI Offset 27				Span 70.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00	dBm			CF Step 7.0000	p 100 MHz	
.0	por an	n - Philasse	are way have the start of the s	m		Au Ma		
0 optime of the second second	ndal -			be man	PEAK	Freq Of 0 Hz	fset	
0.0								
nter 1.74500 GHz es BW 680.00 kHz		#Video BW 2.700	00 MHz	S	Span 70 MH weep 1.00 ms (1001 pts			
Occupied Bandwidth	17 MHz		Total Power		29.7 dBm			
32.4	-747.17 k	H7	% of OBW Pov	wer	29.7 dBm			-

## 35 M_OBW_Mid_16QAM_FullRB





cupied BW	÷						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 Avg Hold: 50 Radio Std: N		presentation of the local division of the lo	Frequency 00000 GHz	Settings
Graph 🔹		Ref LvI Offset 27				Span 70.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00 c	IBM			CF Step 7.0000	o 00 MHz	
.0		~^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ma		Aut Ma		
.0 man and a stract atom	wand			how	PEAK	Freq Of 0 Hz	fset	
0.0								
nter 1.74500 GHz es BW 680.00 kHz		#Video BW 2.700	0 MHz	Sw	Span 70 MH; eep 1.00 ms (1001 pts			
letrics <b>v</b>								
Occupied Bandwidt			Total Dawar		20.0.4Pm			
Occupied Bandwidt	423 MHz	KH7	Total Power % of OBW Pow	ver	29.2 dBm 99.00 %			

# 35 M_OBW_Mid_64QAM_FullRB





ectrum Analyzer 1 cupied BW	+						Frequency	
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 Fred Avg Hold: 5 Radio Std: I		president and a second s	Frequency 000000 GHz	Settings
Graph v	THE Phopsto	Ref LvI Offset 27 Ref Value 40.00				Span 70.000	MHz	
<b>g</b>		Ref Value 40.00	звт	$\square$		CF Step 7.0000	p )00 MHz	
.0	portuna		massim	ang -		Au Ma		
0 0 0 0	- week			how	PEA	Freq Of 0 Hz	fset	
0.0								
nter 1.74500 GHz es BW 680.00 kHz	· · ·	#Video BW 2.700	00 MHz	Sv	Span 70 MH veep 1.00 ms (1001 pt			
Occupied Bandwidt	h 448 MHz		Total Power		27.2 dBm			
Transmit Freq Error x dB Bandwidth			% of OBW Pow x dB	ver	99.00 % -26.00 dB			Lo

## 35 M_OBW_Mid_256QAM_FullRB





YSIGHT Input: RF Coupling: DC Align: Auto		utten: 20 dB Trig: Free R Preamp: Off Gate: Off #IF Gain: Lo	Avg Hold: 500/500	0 GHz 1.745000 Span	
raph v ale/Div 10.0 dB		Lvl Offset 27.33 dB Value 40.00 dBm		80.000 M CF Step	Hz
9 0 0 0		Balance que and a contraction of the Con		8.000000 Auto Man	MHz
0 0 0 0			homen	PEAK ۲req Offse 0 Hz	t <b>ille</b>
0 oter 1.74500 GHz s BW 820.00 kHz	#Vi	deo BW 3.0000 MHz	Sweep 1.00 m	Span 80 MHz is (1001 pts)	
etrics •					
38.8	98 MHz	Total Pow	er 31.1 d	Bm	
Transmit Freq Error	1.668 kHz 42.73 MHz	% of OBV x dB	/ Power 99.0 -26.00		Loo

# 40 M_OBW_Mid_BPSK_FullRB





CUPIED BW EYSIGHT Input: RF Coupling: D				rig: Free Run ate: Off		Freq: 1	.74500000 /500	0 GHz		Frequency	Settings
Align: Auto		Ref: Int (S) Adaptive	#1	F Gain: Low	Radio	Std: No	ne		1.7450	00000 GHz	
Graph 🔹		Ref Lv	Offset 27.33 d	IB					Span 80.000	MHz	
ale/Div 10.0 dB		Ref Va	lue 40.00 dBm						CF Step 8.0000	) 00 MHz	
.0	- Jose	have allowed	-elogo-ghoge-slego	the second second	roming				Au Ma		
0 mar mar and a clare	mound					Store and	mentalist	PEAK	Freq Of 0 Hz	fset	
.0											
nter 1.74500 GHz es BW 820.00 kHz		#Video	BW 3.0000 MH	łz		Swe		pan 80 MHz s (1001 pts)			
letrics <b>v</b>								- (1111 - 111)			
Occupied Bandw	idth										
3	8.839 MHz			lotal Power			30.8 di	Зm			
Transmit Freq En x dB Bandwidth	ror	30.228 kHz 42.71 MHz		% of OBW Pow < dB	ver		99.00 -26.00				Loc

# 40 M_OBW_Mid_QPSK_FullRB





ectrum Analyzer 1 cupied BW	+						\$	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 Fre Avg Hold: 5 Radio Std:		) GHz	1.7450	Frequency 00000 GHz	Settings
Graph 🔹		Ref LvI Offset 27					Span 80.000	MHz	
ale/Div 10.0 dB		Ref Value 40.00					CF Step 8.0000	o 00 MHz	
0.0	jannivara	vinner the second second	general and the second s	m			Au Ma		
0.0	and the second second			- Ver	wither works	PEAK	Freq Of 0 Hz	fset	
0.0									
nter 1.74500 GHz es BW 820.00 kHz		#Video BW 3.000	00 MHz		Sp weep 1.00 ms	oan 80 MHz (1001 pts)			
Netrics <b>v</b>						, , , , , , , , , , , , , , , , , , ,			
Occupied Bandwidth									
	74 MHz		Total Power		29.7 dE				
Transmit Freq Error	-1.551 42.88 M		% of OBW Pow x dB	wer	99.00 -26.00 (				Loo

## 40 M_OBW_Mid_16QAM_FullRB





Spectrum Analyzer 1 Occupied BW	+						Frequency	• 影
KEYSIGHT     Input: RF       R L     ++     Coupling: DC       Align: Auto     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: Avg Hold: 50 Radio Std: N			Frequency 000000 GHz	Settings
1 Graph ▼		Ref LvI Offset 27				and the second second	0 MHz	
Scale/Div 10.0 dB		Ref Value 40.00				CF Ste 8.000	p 000 MHz	
20.0	promision		war washer	man			uto an	
0.00 -10.0 -20.0	state -			- Marine	PE PE	Freq C 0 Hz	offset	
-30.0								
Center 1.74500 GHz #Res BW 820.00 kHz		#Video BW 3.000	00 MHz	Sw	Span 80 N eep 1.00 ms (1001 p			
2 Metrics V						-		
Occupied Bandwidth								
	92 MHz		Total Power		29.1 dBm			
Transmit Freq Error x dB Bandwidth	1.099 ki 42.48 Mi		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Local
<b>1</b> 7 7 1	May 30, 2024 2:48:41 PM	$\bigcirc \triangle$		.:				

## 40 M_OBW_Mid_64QAM_FullRB





pectrum Analyzer 1 ccupied BW EYSIGHT Input RF			en: 20 dB	Trig: Free Run			1.745000000 (	GHz	Center E	Frequency	_ ' 🖻
L  Coupling Align: Au PASS	ito Freq	CCorr Pro Ref. Int (S) Adaptive	eamp: Off	Gate: Off #IF Gain: Low	Avg Ho Radio S				1.74500	0000 GHz	Settings
Graph	•	Ref L	vl Offset 27						Span 80.000 M	ИНz	
ale/Div 10.0 dB		Ref	/alue 40.00 c	IBm					CF Step 8.00000	0 MHz	
.0	- pe	manalin	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m				Auto Man		
.0	annal					how	mann	PEAK	Freq Offs 0 Hz	et	
).0 ).0 ).0											
nter 1.74500 GHz es BW 820.00 kHz		#Vid	eo BW 3.000	0 MHz		Swe	Spa ep 1.00 ms	an 80 MHz (1001 pts)			
Occupied Ban	dwidth 38.962 MHz			Total Power			27.2 dBn	n			
Transmit Freq x dB Bandwidt		36.930 kHz 42.35 MHz		% of OBW Pow x dB	ver		99.00 % -26.00 di				Loc
	<b>?</b> May	30, 2024 9:04 PM	A			<b>I</b> .;					

## 40 M_OBW_Mid_256QAM_FullRB



Spectrum Ana Swept SA	lyzer 1	•	+					\$	Marker	• 🔆
KEYSIGH	T Input F Couplin Align: /	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 WW WW W A A A A A A			
1 Spectrum		•	And Laboratory Addates			Mki	1 3.765 3 GHz	Marker Fr 3.765260		Settings
Scale/Div 10	dB			Ref Level 10.00	dBm		-69.480 dBm	Peak	Search	Peak Search
-10.0								Nex	t Peak	Pk Search Config
-20.0 -30.0 -40.0								Next	Pk Right	Properties
-50.0				1				Next	Pk Left	Marker Function
-70.0 -80.0			anishing a lawanter	محسنعين	www		RMS	Minim	um Peak	Marker→
Start 30 MHz #Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep ?	Stop 10.000 GHz -18.7 ms (20001 pts)	Pk-Pl	k Search	Counter
5 Marker Table	i	•						Mark	er Delta	
Mode 1 N	Trace	Scale	X 3.765 3 GHz	Y -69.48 dBm	Function	Function Width	Function Value	Mk	r→CF	
2 N 3	1	f	1.710 4 GHz	-5.029 dBm				Mkr-	→Ref Lvl	
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KEYS RL	SIGHT ++-	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 WW WW W A A A A A A			
1 Spec	trum		•	dellas deles deles			Mk	r1 7.998 5 GHz		requency 2500 GHz	Settings
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6	er Table		•				Unicop		4	ker Delta	
	Mode N	Trace	Scale	X 7.998 5 GHz	Y -70.69 dBm	Function	Function Width	Function Value	N	kr→CF	
2 3	N	1	f	1.742 8 GHz	-4.882 dBm				Mkr	→Ref Lvl	
4 5 6									Continuo Search On	ous Peak	Local
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Spectrum Anal Swept SA	yzer 1	• -						\$	Marker	· · 22
KEYSIGHT RL ++-	Input: RF Coupling: I 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	Trig: Free Run	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A	Select N Marker	1	
1 Spectrum	÷					Mk	r1 4.001 5 GHz		Frequency 19500 GHz	Settings
Scale/Div 10		∧2		Ref Level 10.00	dBm		-70.634 dBm	Pe	ak Search	Peak Search
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-50.0				1				Ne	xt Pk Left	Marker Function
-70.0 -80.0	inter a second		الجلونية والمتعاط أولام المساعدات	-	window	المحالم المحيطة المخصية	RMS	Mini	mum Peak	Marker→
Start 30 MHz #Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ∼18.7 ms (20001 pts)	Pk-	Pk Search	Counter
5 Marker Table	۲							Ma	rker Delta	
Mode 1 N	Trace S	cale f	X 4.001 5 GHz	Y -70.63 dBm	Function	Function Width	Function Value	N	/kr→CF	
2 N 3	1	f	1.775 2 GHz					Mk	r→Ref Lvl	
4 5 6								Search	ous Peak	Local
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Coupling: I		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 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Marker 1		
		della bleca della			Mk				Settings
	2		Ref Level 10.00	dBm		-70.896 dBm	Pea	k Search	Peak Search
	) <b>z</b>						Ne	xt Peak	Pk Search Config
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			#Video BW 3.0	MHz	Sweep *	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-F	k Search	Counter
ə <b>v</b>							Mar	ker Delta	
Trace S	cale f	X 3.982 1 GHz	Y -70.90 dBm	Function	Function Width	Function Value	м	kr→CF	
1	f	1.710 4 GHz	-5.086 dBm				Mkr	→Ref Lvl	
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3	?	May 29, 2024 4:49:44 PM				N X	Off		
	T Input: RF Coupling: I Align: Auto dB	T Input RF Coupling DC Align: Auto	Tinput RF Coupling, DC Align: Auto dB	Tinput RF Coupling, DC Align: Auto dB Ref Level 10.00 Preamp: Off Ref Level 10.00 Preamp: Off req Ref: Int (S) NFE: Adaptive Ref Level 10.00 Preamp: Off Preamp: Off	Tinput RF Coupling DC Align: Auto B Corr CCorr Freq Ref: Int (S) NFE: Adaptive Ref Level 10.00 dBm Corr CCorr Freq Ref: Int (S) NFE: Adaptive Ref Level 10.00 dBm Corr CCorr Freq Ref Level 10.00 dBm Corr CCorr Sig Track: Off Ref Level 10.00 dBm Corr CCorr Sig Track: Off Trace Scale X Y Function 1 f 3.982 1 GHz -70.90 dBm 1 f 1.710 4 GHz -5.086 dBm May 29, 2024	Tinput RF Coupling, DC Align: Auto NFE: Adaptive MB Ref Level 10.00 dBm	Tinput RF Coupling DC Align: Auto NFE: Adaptive Preamp: Off Freq Ref: Int (S) NFE: Adaptive DB Ref Level 10.00 dBm -70.896 dBm	T Input: RF Coupling: DC Align: Auto NFE: Adaptive Marker 1 Adaptive Marker 1 Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adaptive Adapt	Input RF       Input Z: 50 Ω       #Atten: 20 dB       PNO: Fast Gate: Off       #Avg Type: Power (RMS)       2 3 4 5 0       Select Marker         Align: Auto       Freq Ref: Int (S)       NFE: Adaptive       Ref Level 10.00 dBm       A A A A A         Mkr1       3.982 1 GHz       982108000 GHz       982108000 GHz         IdB       Ref Level 10.00 dBm       -70.896 dBm       Peak Search         Next Pk Right       Next Pk Right       Next Pk Right         Whrz       Stop 10.000 GHz       Next Pk Right         MHz       Stop 10.000 GHz       Marker Deita         MHz       Stop 10.000 GHz       Next Pk Right         Next Pk Right       Next Pk Left         Minimum Peak       Sweep ~18.7 ms (20001 pts)         Marker Deita       -70.90 dBm         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f         1       f <tr< td=""></tr<>



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KEYSIGHT	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	Trig: Free Run	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A	Select Ma Marker 1		
1 Spectrum	· ,	-	Mentioned Allowed Active and				r1 8.272 7 GHz		requency 7500 GHz	Settings
Scale/Div 10 d	iB	_∂2		Ref Level 10.00	dBm		-69.977 dBm	Pea	k Search	Peak Search
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Start 30 MHz #Res BW 1.0 M	ИНz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-F	k Search	Counter
5 Marker Table	3							Mar	ker Delta	
Mode 1 N	Trace	Scale f	X 8.272 7 GHz	Y -69.98 dBm	Function	Function Width	Function Value	м	⟨r→CF	
2 N 3	1	f	1.740 4 GHz	-5.697 dBm				Mkr	→Ref Lvl	
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KEYS RL M	ight ⊶	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	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A <del>WW WW W</del> A A A A A A	Select Ma Marker 1		
Spect	rum	·	•				Mk	r1 3.807 6 GHz		requency 3000 GHz	Settings
og	Div 10 d	В	_∆2		Ref Level 10.00	) dBm		-69.866 dBm	Pea	k Search	Peak Search
0.00			-02						Ne	xt Peak	Pk Search Config
30.0 40.0									Next	Pk Right	Properties
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	0 MHz W 1.0 N	٨Hz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-F	k Search	Counter
Marke	er Table		•						Mar	ker Delta	
1	Mode N	Trace	Scale	X 3.807 6 GHz	Y -69.87 dBm	Function	Function Width	Function Value	м	kr→CF	
23	N	1	f	1.770 8 GHz	-5.584 dBm				Mkr	→Ref Lvl	
4 5 6									Continuo Search On	us Peak	Local
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	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	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 6 A WW WW W A A A A A A	Select Ma Marker 1		
1 Spectrum		•	definition define			Mk	r1 9.692 4 GHz		requency 5500 GHz	Settings
Scale/Div 10	dB	_∆2		Ref Level 10.00	dBm		-70.931 dBm	Pea	k Search	Peak Search
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Start 30 MHz #Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-F	k Search	Counter
5 Marker Table		•				Chicop		Mar	ker Delta	
Mode 1 N	Trace	Scale	X 9.692 4 GHz	Y -70.93 dBm	Function	Function Width	Function Value	м	⟨r→CF	
2 N 3	1	f	1.710 4 GHz	-5.983 dBm				Mkr	→Ref Lvl	
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KEY: RL	SIGHT	Input f Couplin Align: /	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	Trig: Free Run	ver (RMS <mark>123456</mark> A WW WW W A A A A A A	Select Ma Marker 1		
1 Spec	trum:		•	Statistical States and American States				1 8.843 5 GHz		requency 0000 GHz	Settings
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	30 MHz BW 1.0 M	MHz			#Video BW 3.0	MHz	Sweep -	Stop 10.000 GHz -18.7 ms (20001 pts)	Pk-F	k Search	Counter
-	er Table		•						Mar	ker Delta	
	Mode N	Trace	Scale	X 8.843 5 GHz	Y -70.58 dBm	Function	Function Width	Function Value	м	kr→CF	
2 3	N	1	f	1.737 9 GHz	-5.354 dBm				Mkr	→Ref Lvl	
4 5 6									Continuc Search On	us Peak	Local
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KEYSIGH RL ↔→→	T Input Coupli Align	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 WW WW W A A A A A A			
1 Spectrum		•	1 100 - COUNT SIN 201400			Mk	r1 4.068 3 GHz	Marker F 4.068348	requency 3500 GHz	Settings
Scale/Div 10	dB	_∆2		Ref Level 10.00	dBm		-71.123 dBm	Peal	< Search	Peak Search
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tart 30 MHz Res BW 1.0				#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-P	k Search	Counter
5 Marker Tabl	9	•						Mari	ker Delta	
Mode 1 N	Trace	Scale	X 4.068 3 GHz	Y -71.12 dBm	Function	Function Width	Function Value	M	⟨r→CF	
2 N 3	1	f	1.765 8 GHz	-5.435 dBm				Mkr-	→Ref Lvl	
4 5 6								Continuo Search On	us Peak	Local
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KEYSIGHT RL +→-•	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: Pa Trig: Free Run	wer (RMS <mark>123456</mark> A WW WW W A A A A A A	Select Ma Marker 1		
1 Spectrum	*		Contract Contract of Contract			Mk	r1 3.755 8 GHz	Marker Fi 3.755789	requency 9000 GHz	Settings
Scale/Div 10 c		2		Ref Level 10.00	) dBm		-71.073 dBm	Peal	< Search	Peak Search
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Start 30 MHz #Res BW 1.0 I	ИНz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-P	k Search	Counter
5 Marker Table	۷							Marl	ker Delta	
Mode 1 N	Trace So	ale f	X 3.755 8 GHz	Y -71.07 dBm	Function	Function Width	Function Value	M	¢r→CF	
2 N 3	1	f	1.710 4 GHz	-5.701 dBm				Mkr-	→Ref Lvl	
4 5 6								Continuo Search	us Peak	Local
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EYSIGHT L +> 1	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: Lo Sig Track: (	Trig: Free Run w	wer (RMS <mark>123456</mark> A <del>WWWW</del> AAAAAA			
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es BW 1.0 I	MHz			#Video BW 3.	0 MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)		Search	Counter
Marker Table		*						Marke	er Delta	
Mode 1 N	Trace	Scale f	X 5.221 9 GHz	Y -71.07 dBm	Function	Function Width	Function Value	Mkr	→CF	
2 N 3	1	f	1.735 9 GHz	-5.676 dBm	1			Mkr→	Ref Lvl	
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KEYSIGH RL ↔→	T Input f Coupli Align: /	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>WW WW W</del> A A A A A A			,
1 Spectrum		•	4 800 - 200 - 244 - 200 <b>-</b> 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 20			Mk	r1 4.545 9 GHz		requency 1500 GHz	Settings
Scale/Div 10	dB	_∂2		Ref Level 10.00	dBm		-70.648 dBm	Pea	k Search	Peak Search
-10.0		-04						Ne	xt Peak	Pk Search Config
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Start 30 MHz Res BW 1.0				#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-P	k Search	Counter
5 Marker Table	,	*						Mar	ker Delta	
Mode 1 N	Trace	Scale	X 4.545 9 GHz	Y -70.65 dBm	Function	Function Width	Function Value	м	kr→CF	
2 N 3	1	f	1.760 8 GHz	-5.470 dBm				Mkr	→Ref Lvl	
4 5 6								Continuo Search On	us Peak	Local
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Spectrum Anal Swept SA	yzer 1		+					\$	Marker	· · ※
KEYSIGHT RL +→-•	Input: RI Coupling Align: Au	p 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 1 2 3 4 5 6 A WW WW W A A A A A A	Select Ma Marker 1		
1 Spectrum		•					r1 8.316 6 GHz	Marker Fi 8.316565	requency 5500 GHz	Settings
Scale/Div 10 c	iB	_∆2		Ref Level 10.00	dBm		-71.017 dBm	Peal	< Search	Peak Search
-10.0		02						Ne	xt Peak	Pk Search Config
-30.0								Next	Pk Right	Properties
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Start 30 MHz #Res BW 1.0 I	ИНz			#Video BW 3.0	MHz	Sweep	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-P	k Search	Counter
5 Marker Table	ł	•						Mari	ker Delta	
Mode 1 N	Trace	Scale	X 8.316 6 GHz	Y -71.02 dBm	Function	Function Width	Function Value	М	¢r→CF	
2 N 3	1	f	1.710 9 GHz	-5.464 dBm				Mkr-	→Ref Lvl	
4 5 6								Continuo Search	us Peak	Local
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Spectrum Anal Swept SA	yzer 1	٠	+					\$	Marker	<del>  ※</del>
KEYSIGH1 RL ↔→	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	#Avg Type: Po Trig: Free Run	wer (RMS <mark>123456</mark> A <del>WWWW</del> AAAAAA			
1 Spectrum		•				Mk	r1 5.192 5 GHz		requency 6000 GHz	Settings
Scale/Div 10	dB	<u>∆2</u>		Ref Level 10.00	) dBm		-70.634 dBm	Pea	ik Search	Peak Search
0.00		-0-						N	ext Peak	Pk Search Config
30.0								Nex	t Pk Right	Properties
50.0 60.0					1			Ne	kt Pk Left	Marker Function
70.0 80.0		- August		man	and the second second	-	RMS	Mini	num Peak	Marker→
tart 30 MHz Res BW 1.0	MHz			#Video BW 3.0	MHz	Sweep [,]	Stop 10.000 GHz ~18.7 ms (20001 pts)	Pk-I	Pk Search	Counter
i Marker Table		•						Ma	ker Delta	
Mode 1 N	Trace	Scale	X 5.192 5 GHz	Y -70.63 dBm	Function	Function Width	Function Value	N	lkr→CF	
2 N 3	1	f	1.733 4 GHz	-4.930 dBm				Mki	-→Ref Lvl	
4 5 6								Continue Search On	ous Peak	Local
<b>1</b>	3		May 29, 2024 5:23:41 PM					Off		



Spectrum Anal Swept SA	yzer 1	• +							4	Marker	- * 絵
KEYSIGHT RL ↔→	Input: RF Coupling: D Align: Auto	C C F	nput Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fa Gate: O IF Gain: Sig Trac	ff Low	#Avg Type: Po Trig: Free Rur	wer (RMS123450 A WW WW V A A A A A A	A	1	
1 Spectrum	•					intransi yilalisti	Mk	r1 5.237 8 GH	Marker 5.23782	Frequency 19500 GHz	Settings
Scale/Div 10 c		2		Ref Level 10.0	0 dBm			-70.322 dBn		ak Search	Peak Search
-10.0 -20.0		> <b>-</b>							N	ext Peak	Pk Search Config
-30.0									Nex	t Pk Right	Properties
-50.0					<b>1</b>					xt Pk Left	Marker Function
-70.0	-	ملينميلي	unus ania alain	an marine	main	ميدورياني	the second	RMS	and the second second	mum Peak	Marker→
Start 30 MHz #Res BW 1.0 I	WHz			#Video BW 3.	0 MHz		Sweep	Stop 10.000 GH ~18.7 ms (20001 pts		Pk Search	Counter
5 Marker Table	۲									rker Delta	
Mode 1 N	Trace Sc	ale f	X 5.237 8 GHz	Y -70.32 dBn	Function	n Fi	unction Width	Function Value	N	lkr→CF	
2 N 3	1	f	1.755 8 GHz	-5.255 dBn					Mk	r→Ref Lvl	
4 5 6									Continu Search On	ous Peak	Local
<b>ま</b> り	3	?	May 29, 2024 5:25:35 PM						0#		



Spectrum An Swept SA	alyzer 1	,	+				ana Xe ana	Frequent	y <b>v</b> ∰
KEYSIGH RL ↔	Couplin	ng: 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: Of	Ing: Free Rur	ower (RMS <mark>123456</mark> A <del>WWWWW</del> A A A A A A	Center Frequency 5.015000000 GHz Span	Settings
1 Spectrum		V	9.97000000 GHz						
Scale/Div 10	dB	_∂2		Ref Level 10.00	dBm		-70.967 dBm	Swept Span Zero Span	
-10.0								Full Span	
-30.0								Start Freq 30.000000 MHz	
-50.0 -60.0 -70.0					u alita alita di mana	وروان مرور المرور ا		Stop Freq 10.000000000 GHz	
	-70.0 -80.0 <b>The second second</b>								)
5 Marker Tabl		CF Step 997.000000 MHz							
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	Auto Man	
1 N 2 N 3	1	f	8.260 7 GHz 1.710 9 GHz	-70.97 dBm -5.846 dBm				Freq Offset 0 Hz	
4 5 6								X Axis Scale Log Lin	Local
<b>1</b> 5	2		<b>?</b> Jul 22, 2024 10:42:19 PM					Signal Track (Span Zoom)	



Spectrur Swept S		/zer 1	•	+						Frequency	小器
KEYS RL	IGHT ↔	Input: F Couplir Align: A	ng DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Lov Sig Track: C	Irig: Free Rur	#Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run A \\\\\\ A A A A A A		5.015000000 GHz	
1 Spectr	Spectrum v Mkr1 9.693 4 GH2									0000 GHz	
Scale/D Log 0.00	iv 10 d	B	2		Ref Level 10.00	dBm		-70.304 dBm	0	ept Span o Span	
-10.0									F	ull Span	
-30.0									Start Fre 30.000	eq 000 MHz	
-60.0 -70.0	1. 4. 444.44	وسروب والجا	a day a she	and the second	un the state of the state	والارزاد المحرورة المراجع	والمريح فالدوط فعتر المتعلق والعول ويقتلهم	يان المراجع الأنور الأورية الأ	Stop Fre	eq 000000 GHz	
Start 30	800 ###################################									TO TUNE	
5 Marker	STATISTICS.		V				011000			0000 MHz	
N		Trace	Scale		Y	Function	Function Width	Function Value	Aut Ma		
1 2 3	N N	1	f	9.693 4 GHz 1.730 9 GHz	-70.30 dBm -5.205 dBm				Freq Off 0 Hz	set	
4 5 6									X Axis S Log Lin	<b>)</b>	Local
	5	6		<b>?</b> Jul 22, 2024 10:45:18 PM					Signal T (Span Zo	rack	