

A	oupling DG Co		n 14 dB mp Off	Trig: RF Burst #IF Gain: Low	Center Freq: 3.8 Counts: 2.00 M/ Radio Std: None	2.00 Mpt	Center Frequ 3.84000000	
etrics	-	2 Graph			And the second		CF Step 60.000000 N	MH7
		Gaussian					Auto	
Average Po							Man	
	21.21 dBm						Freq Offset	
	42.67 % at 0 dB	10 %	X				0 Hz	
10.0 %	2.98 dB							
1.0 %	5.38 dB	1						
0.1 %	6.48 dB							
0.01 %	7.40 dB	0.1%						
0.001 %	7.76 dB							
0.0001 %	7.90 dB	0.01 %						
=(4)	8.00 dB	0.000 se						
Peak	29.21 dBm							
		0.0001 s				20.00 dt	8	1
		Info BW 60.000	MHz					

### n77(78)(3700~3980 MHz)\_60 M\_PAR\_Mid\_16QAM\_FullRB



	oupling DG Col		n: 14 dB amp: Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 M Radio Std Non		Center Fre 3.840000		Settings
etrics		2 Graph			Longs the		CF Step 60.00000	0 MHz	
		Gaussian					Auto		
Average Po		Test st					Man		
	20,70 dBm						Freq Offse	t	
	42.19 % at 0 dB	10	X				0 Hz		
10.0 %	3.09 dB								
1.0 %	5.45 dB	i -							
0.1 %	6.60 dB								
0.01 %	7.52 dB	D.1 %							
0.001 %	8.09 dB								
0.0001 %	8.43 dB	0.07 %							
0.0001 //	0.45 00								
	8.58 dB	0.001 3							
Peak	29.28 dBm								
		0.0001 5							Lo
		0.00 dB				20.00 di	в		Lo
		Info BW 60.00	) MHz						

### n77(78)(3700~3980 MHz)\_60 M\_PAR\_Mid\_64QAM\_FullRB



	uplina DG Gor		n 14 dB mp Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 Radio Std N			Frequency 00000 GHz	Settings
etrics		2 Graph Gaussian	•		r		CF Step 60.0000 Auto Mar	oo MHz o	
Average Po	18.71 dBm 42.21 % at 0 dB	10 5					Freq Off 0 Hz		
10.0 % 1.0 %	3.10 dB 5.44 dB	1							
0.1 % 0.01 %	6.66 dB 7.58 dB	0.)*							
0.001 % 0.0001 %	8.15 dB 8,35 dB	ù.ú1 %							
Peak	8.47 dB 27.18 dBm	0.001 %							
		0.000 dB 0.00 dB Info BW 60.000	MHz			20.00 d	в		Lo

### n77(78)(3700~3980 MHz)\_60 M\_PAR\_Mid\_256QAM\_FullRB



A	oupling DG		en 14 dB eamp Off	Trig: RF Burst #IF Gain: Low	Center Freq. 3 Counts 2 00 N Radio Std. Nor		Center Fre 3.840000		Settings
letrics	•	2 Graph Gaussian	•				CF Step 60.00000 Auto	0 MHz	
Average Po	ower	160 %					Man		
	22.70 dBm 47.66 % at 0 dB		$\mathbf{i}$				Freq Offse 0 Hz	ŧ	
10.0 %	1.72 dB		$\mathbf{N}$						
1.0 %	3.36 dB								
0.1 %	4.42 dB								
0.01 %	5.11 dB	0.1%		$\sim$					
0.001 %	5.56 dB								
0.0001 %	5,76 dB	0.01 %			X				
Peak	6.13 dB	0.001 %							
Peak	28.83 dBm								-
		0.00 dB Info BW 70.00	00 MHz			20.00 df	в		Loc

# n77(78)(3700~3980 MHz)\_70 M\_PAR\_Mid\_BPSK\_FullRB



	Coupling DG		14 dB np Off	Trig RF Burst #IF Gain Low	Center Freq: 3 840 Counts 2 00 M/2 0 Radio Std: None		Center Fre 3.840000		Settings
letrics		2 Graph			Lange we	-	CF Step 70.00000	0 MHz	
		Gaussian					Auto	111112	
Average F							Man		
	22.22 dBm						Freq Olise		
	46.34 % at 0 dB	10					0 Hz		
10.0 %	2.19 dB								
1.0 %	4.47 dB	19	=	$\langle -$					
0.1 %	5.78 dB								
0.01 %	6.54 dB	01%							
0.001 %	6.86 dB								
0.0001 %	7.03 dB	0.01 %							
0,0001 %	7.03 08								
	7.26 dB	0.067 2							
Peak	29.48 dBm								
		0.0001 5							Loc
		0.00 dB				20.00 dB			100
		Info BW 70.000	MHz						

### n77(78)(3700~3980 MHz)\_70 M\_PAR\_Mid\_QPSK\_FullRB



	uplina DG Cor		14 dB mp Off	Trig: RF Burst #IF Gain: Low		1 3 840000000 GHz 0 M/2 00 Mpt None		requency 00000 GHz	Settings
letrics		2 Graph			No. of Concession, Name		CF Step 70.0000	000 MHz	1
		Gaussian					Auto		
Average Po							Mar		
	21,21 dBm						Freq Off 0 Hz	set	
	44.92 % at 0 dB	10	11				UHZ		
10.0 %	2.74 dB								
1.0 %	5.04 dB	1							
0.1 %	6.45 dB								
0.01 %	7.33 dB	0.1 %							
0.001 %	7.76 dB								
0.0001 %	7.97 dB	0.01 %							
	8.08 dB	0.001 %							
Peak	29.29 dBm								
		0.0001 5							Loc
		0.00 dB Info BW 70.000	MHz			20.00	iB		

# n77(78)(3700~3980 MHz)\_70 M\_PAR\_Mid\_16QAM\_FullRB



	uplina DG Con		n 14 dB imp Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 Radio Std N			requency 00000 GHz	Settings
etrics		2 Graph	•				CF Step 70.0000	000 MHz	
Average Pov	wer	Gaussian					Aut Mar		
	20.70 dBm 44.25 % at 0 dB	10 5					Freq Off 0 Hz	set	
10.0 %	2.80 dB	7.		X					
1.0 %	5.21 dB			$\backslash \backslash$					
0.1 %	6.65 dB								
0.01 %	7.59 dB	0.1%							
0.001 %	8.15 dB								
0.0001 %	8.45 dB	0.01 %							
Peak	8.54 dB	0.001 %			$\backslash$				
r car	29.24 dBm								-
		0.00 dB Info BW 70.000	MHz			20.00 d	В		Loc

### n77(78)(3700~3980 MHz)\_70 M\_PAR\_Mid\_64QAM\_FullRB





#### n77(78)(3700~3980 MHz)\_70 M\_PAR\_Mid\_256QAM\_FullRB



	Supling DG Cor	r CCorr Prean g Ref. Int (S)		an Low Coun	er Freq. 3.840000000 GHz its: 2.00 M/2.00 Mpt o Std. None	Center Freque 3.840000000	
trics		2 Graph				CF Step 70.000000 M	IHz.
Average Po	wer	Gaussian 100 %				Auto Man	
	22.73 dBm 47.43 % at 0 dB					Freq Offset 0 Hz	
10.0 % 1.0 % 0.1 % 0.01 % 0.001 %	1.89 dB 3.39 dB 4.33 dB 5.02 dB 5.53 dB	î a Di se					
0.0001 % Peak	5,94 dB 6.08 dB 28.81 dBm	0.01 %					
	20.01 000	0.0001 40 0.00 dB Info BW 80.000 1	MHz		20.00	dB	Lo

### n77(78)(3700~3980 MHz)\_80 M\_PAR\_Mid\_BPSK\_FullRB



	oupling DG C		en: 14 dB eamp: Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 Radio Std N		Center Fre 3.840000		Settings
letrics	*	2 Graph Gaussian	•	_			CF Step 80.00000	0 MHz	
Average Po	wer	100 *					Auto Man		
	22.25 dBm						Freq Offse	t	
	45.83 % at 0 dB	10					0 Hz		
10.0 %	2.38 dB								
1.0 %	4.47 dB	1		1					
0.1 %	5.83 dB								
0.01 %	6.60 dB	D 1 %							
0.001 %	6.91 dB								
0.0001 %	7.09 dB	0.01 %			\$				
and all	7.14 dB	0.001 %							
Peak	29.39 dBm								
		0.000 dB Info BW 80.00	0 MHz			20.00 d	в		Loc

# n77(78)(3700~3980 MHz)\_80 M\_PAR\_Mid\_QPSK\_FullRB



	ipling DG Cor	r CCorr Prea g Ret-Int (S)	mp Off	Trig RF Burst #IF Gain Low	Counts 2 00 Radio Std No		Center Fre 3.840000		Settings
etrics	*	2 Graph		-	And the second		CF Step 80.00000	0 MHz	
		Gaussian					Auto	111112	
Average Pov		100 %					Man		
	21.26 dBm						Freq Offse	<u>t</u>	
- 4	4.64 % at 0 dB	10 5					0 Hz		
10.0 %	2.83 dB								
1.0 %	5.06 dB	1 =							
0.1 %	6.52 dB								
0.01 %	7.44 dB	0.1%							
0.001 %	7.81 dB	0.01 %							
0.0001 %	8.01 dB	a.ut se							
	8.14 dB								
Peak	29.40 dBm	0.001 5							
	29.40 UBIII								
		0.00 dB Info BW 80.000	10.1-			20.00 d	в		Loc

### n77(78)(3700~3980 MHz)\_80 M\_PAR\_Mid\_16QAM\_FullRB



	oupling DG Cor		n 14 dB imp Ofi	Trig: RF Burst #IF Gain: Low	Counts 2 00 M Radio Std Non		Center Fr 3.84000	equency 0000 GHz	Settings
etrics		2 Graph		-	Longer Me		CF Step 80.0000	00 MH <del>7</del>	1
		Gaussian					Auto		
Average Po							Man		
	20.71 dBm						Freq Offs	et	
	44.14 % at 0 dB	10 5					0 Hz		
10.0 %	2.89 dB								
1.0 %	5.17 dB	1							
0.1 %	6.61 dB			X =					
0.01 %	7.54 dB	0.1%		$\rightarrow \Lambda$					
0.001 %	8.20 dB								
0.0001 %	8.50 dB	0.07 5							
0.0001 /0	0.00 00								
	8.62 dB	0.001 %							
Peak	29.33 dBm								
		0.0001 5							Lo
		0.00 dB				20.00 d	В		Lo
		Info BW 80.000	MHz						

### n77(78)(3700~3980 MHz)\_80 M\_PAR\_Mid\_64QAM\_FullRB





### n77(78)(3700~3980 MHz)\_80 M\_PAR\_Mid\_256QAM\_FullRB



YSIGHT In	puplina DG 🛛 G	iput Z:50 Ω Atten corr CCorr Pream req Ref. Int (S)	14 dB p Off	Trig: RF Burst #IF Gain: Low	Center Freq. 3 840000000 G Counts 2 00 M/2 00 Mpt Radio Std: None		Center Frequency 3.840000000 GHz	Settings
etrics		2 Graph			And the second second		CF Step 80.000000 MHz	
		Gaussian					Auto	
Average Po	22.73 dBm						Man	
	47.71 % at 0 dB	10 -					Freq Offset 0 Hz	
	in i volto ub							
10.0 %	1.67 dB			X =				
1.0 %	3.32 dB							
0.1 %	4.34 dB				<u>سر اس اس سر ا</u>			
0.01 %	5.04 dB	0.1%						
0.001 %	5.54 dB							
0.0001 %	5.88 dB	0.01%						
	5.94 dB	0.001 %						
Peak	28.67 dBm							-
		0.000 dB 0.00 dB Info BW 90.000 f	AH2			20.00 dB		Loc

### n77(78)(3700~3980 MHz)\_90 M\_PAR\_Mid\_BPSK\_FullRB



	upina DG Cor		np Ofi	Trig: RF Burst #IF Gain: Low		g: 3.840000000 GHz 00 M/2.00 Mpt None		requency 00000 GHz	Setting
etrics		2 Graph					CF Step 90.0000	00 MHz	
		Gaussian					Auto		
Average Po	22.23 dBm	× 1					Mar		
	46,46 % at 0 dB						Freq Off 0 Hz	set	
	to, to to at o ub	10							
10.0 %	2.16 dB			X					
1.0 %	4.46 dB	15							
0.1 %	5.79 dB								
0.01 %	6.59 dB	0 ] *s		$\langle \rangle$					
0.001 %	6.87 dB								
0.0001 %	7.11 dB	0.01%			X				
	7.11 dB	0.001 %							
Peak	29.34 dBm								-
		0.00 dB Info BW 90.000	MHz			20.00	dB		Lo

### n77(78)(3700~3980 MHz)\_90 M\_PAR\_Mid\_QPSK\_FullRB



	uplina DG Cor		14 dB mp Off	Trig: RF Burst #IF Gain: Low		reg: 3.840000000 Gi 2.00 M/2.00 Mpt d: None	12		requency 00000 GHz	Settings
etrics		2 Graph						CF Step	00 MHz	1
		Gaussian						Auto		
Average Por		100 %						Mar		
	21.23 dBm							Freq Off	set	
	44.90 % at 0 dB	10						0 Hz		
10.0 %	2.73 dB									
		1=								
1.0 %	5.06 dB									
0.1 %	6.52 dB	n.1 =								
0.01 %	7.43 dB									
0.001 %	7.84 dB									
0.0001 %	8.06 dB	0.01 %			X I					
-	8.12 dB	0 001 %								
Peak	29.35 dBm									
		0.0001 5								Lo
		0.00 dB Info BW 90.000	MHz				20.00 dB			

### n77(78)(3700~3980 MHz)\_90 M\_PAR\_Mid\_16QAM\_FullRB



	Suplina DG: Cor		14 dB mp Off	Trig: RF Burst #IF Gain: Low		1 3 840000000 GHz 0 M/2 00 Mpt None	Center Fr 3.840000	equency 0000 GHz	Setting
etrics		2 Graph			- Annotation - A		CF Step 90.00000	0 MHz	1
		Gaussian					Auto		
Average Po							Man		4
	20.73 dBm						Freq Offs 0 Hz	et	
	44.42 % at 0 dB	10 5	11				Unz		
10.0 %	2.78 dB								
1.0 %	5.18 dB	1							
0.1 %	6.62 dB								
0.01 %	7.59 dB	0.1 %							
0.001 %	8.15 dB								
0.0001 %	8.38 dB	0.01 %							
-	8.57 dB	0.001 %							
Peak	29.30 dBm								
		0.00 dB Info BW 90.000	MHz			20.00 0	iB		Lo

### n77(78)(3700~3980 MHz)\_90 M\_PAR\_Mid\_64QAM\_FullRB



All	upling DG Cor		14 dB mp Off	Trig: RF Burst #IF Gain: Low		g: 3.840000000 GHz 0 M/2.00 Mpt None		requency 00000 GHz	Settings
etrics		2 Graph					CF Step	00 MHz	1
		Gaussian					Auto	0	
Average Po							Mar		4
	18.72 dBm						Freq Off	set	
	44.61 % at 0 dB	10 5					0 Hz		
10.0 %	2.79 dB								
1.0 %	5.18 dB	15							
0.1 %	6.68 dB								
0.01 %	7.65 dB	n i %							
0.001 %	8.26 dB								
0.0001 %	8.66 dB	0.01%			X				
	8.82 dB	0.001 %							
Peak	27.54 dBm								
		0.0001 5							Loc
		0.00 dB Info BW 90.000	MHz			20.00	dB		

### n77(78)(3700~3980 MHz)\_90 M\_PAR\_Mid\_256QAM\_FullRB



	uplini DG Cor	r CCorr Prea g Ret-Int (S)	14 dB mp Off	Trig: RF Burst #IF Gain: Low	Center Freq: 3.840000000 Counts: 2.00 M/2.00 Mpt Radio Std: None		Center Frequency 3.840000000 GHz	Setting
atrics		2 Graph	*	-	Anna State		CF Step 90.000000 MHz	
		Gaussian					Auto	
Average Pov							Man	
	22.80 dBm						Freq Offset	
	47.11 % at 0 dB	10					0 Hz	
10.0 %	1.86 dB							
1.0 %	3.39 dB	1 %	$\langle \rangle$	$\langle \rangle$				
0.1 %	4.34 dB		_\					
0.01 %	5.03 dB	0 T ===	$ \rightarrow $	$\rightarrow$				
0.001 %	5.53 dB							
0.0001 %	5,91 dB	0.01 %						
ara.	6.13 dB	0.001 %						
Peak	28.93 dBm							-
		0.000 dB Info BW 100.00	NALIS	4		20.00 dB		Lo

### n77(78)(3700~3980 MHz)\_100 M\_PAR\_Mid\_BPSK\_FullRB



	supling DG Cor		14 dB mp Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 Radio Std N			requency 00000 GHz	Settings
etrics		2 Graph Gaussian	•				CF Step 100.000 Auto	000 MHz	
Average Po		100 %					Man		
	22.30 dBm 45,62 % at 0 dB	10 5	$\mathbf{X}$				Freq Offs 0 Hz	set	
10.0 %	2.32 dB								
1.0 %	4.47 dB								
0.1 %	5.85 dB								
0.01 %	6.58 dB	0.) %		$\lambda = \lambda$					
0.001 %	6.89 dB								
0.0001 %	7.06 dB	0.01 %			X				
Peak	7.10 dB	0.001 %							
FCak	29.40 dBm								-
		0.000 dB 0.00 dB Info BW 100.00	MHz			20.00 0	iB		Loc

# n77(78)(3700~3980 MHz)\_100 M\_PAR\_Mid\_QPSK\_FullRB



	upling DG Cor		14 dB np Off	Trig: RF Burst #IF Gain: Low	Counts 2 00 Radio Std N			requency 00000 GHz	Settings
etrics Average Por	T	2 Graph Gaussian					CF Step 100.000 Auto Mar	0000 MHz 0	
	21.34 dBm 44.31 % at 0 dB	10 %					Freq Off 0 Hz		
10.0 % 1.0 %	2.82 dB	1.							
0.1 % 0.01 %	6.49 dB 7.38 dB	0) %							
0.001 % 0.0001 %	7.77 dB 7.95 dB	0.01 %							
Peak	8.08 dB 29.42 dBm	0.001 %							
		0.00 dB Info BW 100.00	MHz			20.00 d	в		Lo

### n77(78)(3700~3980 MHz)\_100 M\_PAR\_Mid\_16QAM\_FullRB



	upling DG Gor		n 14 dB imp Off	Trig: RF Burst #IF Gain: Low	: 3 840000000 GHz ) M/2 00 Mpt Jone		Frequency 00000 GHz	Settings
etrics Average Pov	T Ner	2 Graph Gaussian				CF Step 100.00 Aut	0000 MHz	
	20.83 dBm 43.77 % at 0 dB	10 %				Freq Of 0 Hz		
10.0 % 1.0 %	2.87 dB	ī						
0.1 % 0.01 %	6.66 dB 7.63 dB	0) S						
0.001 % 0.0001 %	8.14 dB 8.44 dB	0.01 %						
Peak	8.49 dB 29.32 dBm	0.001 %						
		0.0001 0.00 dB Info BW 100.00	MHz	h	20.00 c	dΒ		Lo

### n77(78)(3700~3980 MHz)\_100 M\_PAR\_Mid\_64QAM\_FullRB





#### n77(78)(3700~3980 MHz)\_100 M\_PAR\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1	+					0	Frequency	* 5
	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Otf #IF Gain: Low	Center Freq: 3.8 Avg/Hold: 50/50 Radio Std: None			Frequency 00000 GHz	Settings
PASS	R	ef LvI Offset 29				Span 40.000	MHz.	
Scale/Div 10.0 dB Log 30 0 20.0		ef Value 40.00		***		CF Step 4.0000 Au Ma	00 MHz to	
0 00 10 7 29 0 30 9	sul			Unterlayer	PEAL Monthe Marchine Law	Freq Of		
50.0 Center 3.84000 GHz #Res BW 390.00 kHz	#	Video BW 1.600	00 MHz	#Sweep	Span 40 MH 50.0 ms (1001 pts			
2 Metrics								
	06 MHz		Total Power		30.8 dBm			
Transmit Freq Error x dB Bandwidth	-209.74 kH 19.31 MH		% of OBW Pov x dB	wer	99.00 % -26.00 dB			Loca
15C	Nov 06, 2024 10:46:47 AM				X - K			

### n77(78)(3700~3980 MHz)\_20 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1 Occupied BW	+					Ö	Frequenc	x * 総
	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Otf #IF Gain: Low	Center Freq Avg/Hold 5 Radio Std 1			Frequency 00000 GHz	Settings
Graph		Ref LvI Offset 29				Span 40.000	MHz	
cog og 30 0 20.0		Ref Value 40.00				4.0000	00 MHz	
10 0 0 00 10 0					PE	Ma Freq Of	n	
20 0 30:0 40 0	ajustA <sup>je</sup>			Yulu	Hoppinghanelisaning	0 Hz		
50.0 Senter 3.84000 GHz Res BW 390.00 kHz		#Video BW 1.60	00 MHz	#Sw	Span 40 M veep 50.0 ms (1001 p			
Metrics T								
Occupied Bandwidth 17.9	) 936 MHz		Total Power		30.4 dBm			
Transmit Freq Error x dB Bandwidth	-185.29 k 19.35 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
1501	<b>?</b> Nov 06, 2024 10:47:20 AM	0				1		

### n77(78)(3700~3980 MHz)\_20 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analy Docupied BW		+					0	Frequenc	y * 5
	Input_RF Coupling_DG Align_Auto	Input Z: 50 Ω Corr CCorr Freq Ret. Int (S) NFE_Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq Avg/Hold 50 Radio Std N			Frequency 000000 GHz	Settings
DASS Graph	*	NFE Adaptive	Ref LvI Offset 29				Span 40.000	) MHz	
Scale/Div 10.0	dB		Ref Value 40.00	dBm			CF Ste 4.0000	p 100 MHz	1
20.0		Judienan	وسير منصوفة والمتحمد والمراجدة	aller and the second			AL M		
10.0	الرحاد الأليم المرينيا،	int			Université	P	Freq O 0 Hz	lfset	
40.0									
Center 3.84000 #Res BW 390.0			#Video BW 1.60	00 MHz	#Swi	Span 40 M eep 50.0 ms (1001			
2 Metrics Occuj	r pied Bandwidth								
Trans	17.9 mit Freq Error	-173.06 F	Hz	Total Power % of OBW Pow	ver	29.4 dBm 99.00 %			
	Bandwidth	19.51 N		x dB		-26.00 dB			Loc
15		<b>Nov 06, 2024</b> 10:47:52 AM	0				2		

### n77(78)(3700~3980 MHz)\_20 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer 1	+					Ø	Frequenc	y y S,
EYSIGHT Input RF Coupling Dr. Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Otf #IF Gain: Low	Center Free Avg(Hold: 5 Radio Std: 1			Frequency 00000 GHz	Settings
Graph		Ref LvI Offset 29				Span 40.000	MHz.	
og 000 20.0		Ref Value 40.00				CF Ster 4.0000	00 MHz	
0.00	Allendersterre	**************************************	and an		PE	Ma Freq Of	n	
0.0.0 90-0 <b>900-0 900-0 900 900 900 900 900 900 900 </b>	~			Mar	holdmohen wanten	0 Hz		
enter 3.84000 GHz Res BW 390.00 kHz		Video BW 1.600	00 MHz	#Sv	Span 40 M veep 50.0 ms (1001 p			
Metrics T								
Occupied Bandwidth 17.92	4 MHz		Total Power		28.9 dBm			
Transmit Freq Error x dB Bandwidth	-183.84 ki 19.33 Mi		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
15011	Nov 06, 2024 10:48:23 AM					7		

### n77(78)(3700~3980 MHz)\_20 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1	÷					Q	Frequenc	y <b>v</b> 🕄
EYSIGHT Input RF	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig Free Run Gate: Ott #IF Gain: Low	AvgiHold 50/50			Center Frequency 3.840000000 GHz	
Graph		Ref Lvi Offset 29				Span 40.000	) MHz	
cale/Div 10.0 dB		Ref Value 40.00				CF Ste 4.0000	00 MHz	
10.0	1	ngen herritusten at an	hande in the space of the state of the state of the			Ma Freq O	ari	
20.0 30-0 <b>444,940 mm/h-allen/m/h-arhi</b> 40.0 50.0				WHIL	PEA เป็นไปเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็น เป็นไปเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็	0 Hz		
20.0 Center 3,84000 GHz Res BW 390.00 kHz		#Video BW 1.600	00 MHz	#Sw	Span 40 MH eep 50.0 ms (1001 pt			
Metrics								
Occupied Bandwidth 17.93	2 MHz		Total Power		26.9 dBm			
Transmit Freq Error x dB Bandwidth	-153.87 kl 19.36 Mi		% of OBW Pov x dB	wer	99.00 % -26.00 dB			Loc
- n c	Nov 06, 2024 10:48:56 AM	0						

# n77(78)(3700~3980 MHz)\_20 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyze	ert 🕌	+					Ö	Frequenc	y + 🕄
	iput RF Joupling DC: Vign Auto	Input Z Corr CC Freq Rel NFE Ad	orr Preamp Off Int (S)	Trig Free Run Gale: Off #IF Gain Low	Center Freq Avg[Hold 50 Radio Std N			Center Frequency 3.840000000 GHz	
Graph	*		Ref LvI Offset				Span 60.000	MHz	
Scale/Div 10.0 d	8		Ref Value 40.0				GF Ste 6.0000	00 MHz	
10 0 0 00 10 0 20 0	nela prostano					pe Malasinia			
40.0 50.0									
Center 3,84000 0 Res BW 620.00			#Video BW 2.	4000 MHz	#Sw	Span 60 M eep 50.0 ms (1001 p			
2 Metrics Occupie	ed Bandwidti 26.	n 838 MHz		Total Power		31.0 dBm			
Transm x dB Ba	it Freq Error Indwidth		527.21 kHz 28.71 MHz	% of OBW Pow x dB	wer	99,00 % -26.00 dB			Loca
150		? Nov 06 11:05:	5, 2024 29 AM			: 🕃 — 🎽			

### n77(78)(3700~3980 MHz)\_30 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1	+					Q	Frequenc	y + 3)
RL	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Freg: 3 8400 Avg Hold: 50/50 Radio Std: None	000000 GHz		Frequency 00000 GHz	Settings
Graph	R	ef LvI Offset 29				Span 60.000	MHz	
Scale/Div 10.0 dB		ef Value 40.00					00 MHz	
10.0	A more services	an a	***********			Au Ma	n	
100 200 300 400	uul			hundredeel	PEAK Muniminini	Freq Ol 0 Hz	fset	
-50.0 Center 3.84000 GHz #Res BW 620.00 kHz	#	/ideo BW 2.400	00 MHz	#Sweep 50	Span 60 MHz ).0 ms (1001 pts)			
2 Metrics T								
Occupied Bandwidt 26	th .836 MHz		Total Power	3	0.6 dBm			
Transmit Freq Error x dB Bandwidth	-539.39 kH 28.75 MH		% of OBW Pov x dB		99.00 % 6.00 dB			Loca
50	? Nov 06, 2024 11:06:01 AM	Ð						

### n77(78)(3700~3980 MHz)\_30 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analyzer 1	÷			Frequen	cy 🔻 🖏
		en 14 dB Trig Free Run amp Off Gate Off #IF Gain Low	Centér Freq. 3.840000000 GHz AvgiHold. 50/50 Radio Std. None	Center Frequency 3.840000000 GHz	Settings
Raph Careford Control	Ref L	vi Offset 29.53 dB alue 40.00 dBm		Span 60.000 MHz	
20.0				CF Step 6.000000 MHz	
10.0		uluuntanya tatan an matata ana da ang		Auto Man	
100 200 300 40.0	ud -		PEAK	Freq Offset 0 Hz	
-50.0 Center 3,84000 GHz #Res BW 620.00 kHz	#Vide	o BW 2.4000 MHz	Span 60 MHz #Sweep 50.0 ms (1001 pts)		
2 Metrics Occupied Bandwidth 26.8	39 MHz	Total Power	29.7 dBm		
Transmit Freq Error x dB Bandwidth	-541.51 kHz 28.81 MHz	% of OBW Pov x dB	wer 99.00 % -26.00 dB		Loc
- - - - - - - - - - - - - -	<b>?</b> Nov 06, 2024	1			

# n77(78)(3700~3980 MHz)\_30 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer 1	+				0	Frequenc	x + 5%
Coupling Dis.	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Ott #IF Gain: Low	Centér Freq: 3 840000000 GHz AvgiHold: 50/50 Radio Std: None		er Frequency 0000000 GHz	Settings
Graph Craph	F	ef LvI Offset 29			Span 60.0	00 MHz	
.og 30.0		er value 40.00	abm		CF S 6.00	tep 0000 MHz	
20.0	and an arriver of	alfrancissistististist	tan jarke genanan markit mitaan jir ma			Auto Mari	
10.0 20.0 30:0	princh			history may realized	DE AV	Offset	
40.0 50.0 Center 3,84000 GHz Res BW 620.00 kHz		Video BW 2.400	00 MHz	Span 60 #Sweep 50.0 ms (100			
? Metrics T							
Occupied Bandwidth 26.8	75 MHz		Total Power	29.2 dBm			
Transmit Freq Error x dB Bandwidth	-538.47 kH 28.64 MH		% of OBW Pov x dB	ver 99.00 % -26.00 dB			Loca
<b>4</b> 5 C <b>1</b>	Nov 06, 2024 11:07:03 AM	Ð			X		

# n77(78)(3700~3980 MHz)\_30 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1	+					Ö	Frequenc	y 🔹 🕄
RL Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig∶Free Run Gate: Otf #IF Gain, Low	Center Freg. 3 Avg/Hold: 50/5 Radio Std: No			Center Frequency 3.840000000 GHz	
VI PASS	1	Ref LvI Offset 29				Span 60.000	MHz	
Scale/Div 10.0 dB Log 30.0 20.0		Ref Value 40.00				GF Step 6.0000 Au	00 MHz	
10.0 0.00 10.0 20.0		ndendan berkenen heren hydron daget	enderstansertanseterne		PEA	Freq Of 0 Hz		
30-9 Weeken Managerinder of Party Art 40.0 50.0				all with a	hartmann offic hild and a fill developed a	Ar CH2		
Center 3.84000 GHz #Res BW 620.00 kHz		Video BW 2.400	00 MHz	#Swei	Span 60 Mi ep 50.0 ms (1001 pt			
2 Metrics					07.0 40-			
26.90 Transmit Freq Error x dB Bandwidth	07 MHz -549.15 kł 28.65 Mł		Total Power % of OBW Pow x dB	wer	27.3 dBm 99.00 % -26.00 dB			Loca
150	Nov 06, 2024 11:07:36 AM	Ð						

# n77(78)(3700~3980 MHz)\_30 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1				Ö	Frequenc	y + 🖧
RL Align Auto Fr	put 2:50 Ω Atten: 14 dB orr CCorr Preamp Off req Ref. Int (S) FE Adaptive	Trig: Free Run Gate: Off #IF Gain: Low	Centér Freq. 3.840000000 GHz AvgiHold: 50/50 Radio Std: None		Frequency 000000 GHz	Settings
l Graph	Ref LvI Offset 2			Span 80.00	0 MHz	
cale/Div 10.0 dB	Ref Value 40.00	dBm			000 MHz	
10.0	far a far a star a st	and an end again a first of the first of the second second second second second second second second second se		M	uto lan	
10.0 20.0 Ar Michel Jack margan Margan			hallow the same	PEAK 0 Hz	Inset	
40.0						
Center 3.84000 GHz Res BW 820.00 kHz	#Video BW 3.00	000 MHz	Span 8 #Sweep 50.0 ms (100			
? Metrics						
Occupied Bandwidth 35,769 MH	H7	Total Power	31.1 dBm			
Transmit Freq Error x dB Bandwidth	-1.1138 MHz 38.15 MHz	% of OBW Pow x dB				Loca
a the locality all out						
- n c - ? '	Nov 06, 2024 11:18:49 AM			X		

### n77(78)(3700~3980 MHz)\_40 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1	+					Q	Frequenc	y + 3
	Input Z: 50 Q Corr CCorr Freq Ret: Int (S) NFE: Adaptive	Atten: 14 dB Preamp: Off	Trig Free Run Gate: Otf #IF Gain: Low	Center Freq: 2 Avg(Hold: 50/5 Radio Std: No			Center Frequency 3.840000000 GHz	
Graph		Ref LvI Offset 29				Span 80.000	) MHz	
Scale/Div 10.0 dB _0g 30.0		Ref Value 40.00	dBm			CF Ste 8.0000	p 100 MHz	
20.0	an a	he the area war and a second	loukogenistyljo <mark>ne</mark> rstelanov			Au Ma		
10.0 20.0 Lipslah berkelahan	und			Lasteriture	PE	AIC 0 Hz	lîset	
30-0 40.0 50.0								
Center 3.84000 GHz #Res BW 820.00 kHz		#Video BW 3.000	DO MHZ	#Swe	Span 80 M ep 50.0 ms (1001 p			
2 Metrics								
Occupied Bandwidth	) 790 MHz		Total Power		30.9 dBm			
Transmit Freq Error x dB Bandwidth	-1.0955 Mi 38.06 Mi		% of OBW Pov x dB	wer	99.00 % -26.00 dB			Loc
	Nov 06, 2024	<u> </u>			N - >	<b>F</b>		
	? Nov 06, 2024 11:19:21 AM	9			<b>62</b> · · · · <b>X</b>			

### n77(78)(3700~3980 MHz)\_40 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analyzer 1	+						Q	Frequenc	x × S
	Input Z: 50 Q Corr CCorr Freq Ret. Int (S) NFE: Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Otf #IF Gain: Low	Center Fre AvgiHold 5 Radio Std		iHz	Center Frequency 3.840000000 GHz		Settings
Graph T	те марши	Ref Lvi Offset 29					Span 80.000	MHz	
.0g		Ref Value 40.00	abm				CF Step 8.0000		
20.0	derand and an and	and the section of the sector of the	anna an	very			Aut Ma		
10.0 20.0	entrol			hower	unhamily	PEAK	Freq Of 0 Hz	íset	
40.0									
Center 3.84000 GHz #Res BW 820.00 kHz		#Video BW 3.000	00 MHz	#5	Spa weep 50.0 ms (	n 80 MHz 1001 pts)			
2 Metrics F									
Occupied Bandwidth 35.1	n 801 MHz		Total Power		29.9 dBm	î.			
Transmit Freq Error x dB Bandwidth	-1.1108 M 38.04 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB				Loc
	Nov 06, 2024					X			
	? Nov 06, 2024 11:19:53 AM	©				1 KA			

### n77(78)(3700~3980 MHz)\_40 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer 1	+					Q	Frequency	· • 57
	Input Z: 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Freq. 3.840000000 GHz AvgHold: 50/50 Radio Std: None		and the second sec	Frequency 00000 GHz	Settings
Marca PASS Graph		Ref Lvi Offset 29				Span 80.000	MHz.	
cale/Div 10.0 dB		Ref Value 40.00	dBm			and the second second	00 MHz	
10.0			باستعارق فينافيا وويتم وتعاريت اليوسطاني فل	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Au Ma		
10.0	und		_	-distances	PE Antohologial and the second		fset	
30 0 40 0 50 0								
Center 3.84000 GHz #Res BW 820.00 kHz		#Video BW 3.000	00 MHz	#Sv	Span 80 N veep 50.0 ms (1001 p			
2 Metrics								
Occupied Bandwidth 35.78	86 MHz		Total Power		29.3 dBm			
Transmit Freq Error x dB Bandwidth	-1.0845 M 37.97 M		% of OBW Pow x dB	ver	99,00 % -26.00 dB			Loca
1501	Nov 06, 2024 11:20:25 AM	Ø						

#### n77(78)(3700~3980 MHz)\_40 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	* +				Frequent	ey 🔹 🕄
KEYSIGHT Input RF	Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Freq. 3.840000000 GHz AvglHold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph		Ref Lvi Offset 29			Span 80.000 MHz	
-0g 30.0 20.0		Ref Value 40.00	asm		CF Step 8.000000 MHz	1
10.0	putamin	na Sanka ang mining ang manakar	فيتحاج المعرفين في المحاجز المحاجز المحاجد العام	****	Auto Man	
10.0 20.0 30.0 40.0	mduttering			PE	AIC 0 Hz	
50.0 Center 3.84000 GHz Res BW 820.00 kHz		#Video BW 3.00	00 MHz	Span 80 M #Sweep 50.0 ms (1001 p		
Metrics	dth 5.790 MHz		Total Power	27.3 dBm		
Transmit Freq Em x dB Bandwidth			% of OBW Pov x dB			Loca
<b>4</b> 5 C <b>1</b>	<b>?</b> Nov 06, 2024 11:20:58 AM	Ø				

## n77(78)(3700~3980 MHz)\_40 M\_OBW\_Mid\_256QAM\_FullRB



doupled bit	+						¢	Frequency	
EYSIGHT Input RF	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaplive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Free Avg/Hold 5 Radio Std		z	and the second s	Frequency 00000 GHz	Settings
Graph	a second a s	Ref LvI Offset 29					Span 100.00	MHz	
cale/Div 10.0 dB	Junior	Ref Value 40.00	dBm	went			CF Step 10.000 Aut Ma	000 MHz	
00 00 00 word have a set of the owned	marel			Munda	والمعتقة والمعالية و	PEAK	Freq Off 0 Hz	_	
40.0 50.0 Center 3.84000 GHz Res BW 1.0000 MHz		#Video BW 4.000	00 MHz	#54	Span 1 veep 50.0 ms (10	00 MHz			
Metrics									
Occupied Bandwidth 45.7	57 MHz		Total Power		31.3 dBm				
Transmit Freq Error x dB Bandwidth	-949.37 kl 48.23 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB				Loc
	Nov 06, 2024 11:32:02 AM	Ð				X.X			

### n77(78)(3700~3980 MHz)\_50 M\_OBW\_Mid\_BPSK\_FullRB



Align Auto       Corr CCorr       Preamp Off       Gate Off       Avg Hold: 50/50       State Off       Avg Hold: 50/50       State Off       Avg Hold: 50/50       State Off       State Off       Avg Hold: 50/50       State Off       State Off       State Off       State Off       Avg Hold: 50/50       State Off       State Off       Avg Hold: 50/50       State Off       St	Assurpted DVV	+		-			¢	Frequenc	y • 5
Graph       Ref Lvi Offset 29.53 dB       Span         icale/Div 10.0 dB       Ref Value 40.00 dBm       GF Step         000       Image: Comparison of the comparison of th	Align Auto	Freq Ref. Int (S)	Atten 14 dB Preamp Off		AvgiHold 5	50/50	and the second se		Settings
CF Step 10.000000 MHz Auto Auto Man Freq Offset 0 Hz Coccupied Bandwidth 45.765 MHz Transmit Freq Error -918.01 kHz % of OBW Power 99.00 %	Graph •	1					the second second second	) MHz	
Occupied Bandwidth       45.765 MHz       Total Power       30.9 dBm         Transmit Freq Error       -918.01 kHz       % of OBW Power       99.00 %	og 30.0 20.0						10.000 AL	0000 MHz Ito	
enter 3,84000 GHz #Video BW 4.0000 MHz Span 100 MHz Res BW 1.0000 MHz #Sweep 50.0 ms (1001 pts) Metrics • Occupied Bandwidth 45.765 MHz Total Power 30.9 dBm Transmit Freq Error -918.01 kHz % of OBW Power 99.00 %	10.0 20.0 30:0 30:0	nd			heave	P	Freq O		
45.765 MHz Total Power 30.9 dBm Transmit Freq Error -918.01 kHz % of OBW Power 99.00 %	50.0 Center 3.84000 GHz Res BW 1.0000 MHz		ŧVideo BW 4.000	00 MHz	#S				
Transmit Freq Error -918.01 kHz % of OBW Power 99.00 %		1							
	45.76	65 MHz		Total Power		30.9 dBm			
					wer				Loc

### n77(78)(3700~3980 MHz)\_50 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analyzer 1	+					0	Frequenc	y + 5,
	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Free Avg/Hold 5 Radio Std 1			r Frequency 000000 GHz	Settings
PASS		Ref LvI Offset 29				Span 100.0	0 MHz	
Scale/Div 10.0 dB		Ref Value 40.00	dBm			A	0000 MHz uto	
0.00 10.0 20.0 30.0	en al			Und	interdention	Eren (	lan Difset	
40.0 -50.0 Center 3.84000 GHz		∜ideo BW 4.00	00 MHz		Span 100	MHz		
Res BW 1.0000 MHz 2 Metrics				#Sv	<del>ree</del> p 50.0 ms (1001	pts)		
Occupied Bandwidth 45.82	24 MHz		Total Power	-	30.0 dBm			
Transmit Freq Error x dB Bandwidth	-906.29 kl 48.40 Mł		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
<b>1</b> 50	Nov 06, 2024 11:32:48 AM	9				2		

#### n77(78)(3700~3980 MHz)\_50 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer 1	+					Ö	Frequenc	y ▼ 5,
CEYSIGHT Input RF	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Fre AvgiHold 1 Radio Std			Frequency 000000 GHz	Settings
R PASS	1	Ref LvI Offset 29 Ref Value 40.00				Span 100.00	) MHz	
20.0 20.0 20.0			an			A	1000 MHz	
0.00 -10.0 -20.0	minic			Low	PE	Ark Freq O 0 Hz		
-30-0 40.0 50.0 Center 3,84000 GHz		#Video BW 4.00	D0 MHz		Span 100 M	IHZ		
Res BW 1.0000 MHz 2 Metrics				#S	weep 50.0 ms (1001 p	its)		
Occupied Bandwidth 45.7	64 MHz		Total Power		29.6 dBm			
Transmit Freq Error x dB Bandwidth	-910.86 kl 48.27 M		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loca
<b>1</b> 7 7 <b>1</b>	<b>Nov 06, 2024</b> 11:33:10 AM	9			# 🔡 🔰			

## n77(78)(3700~3980 MHz)\_50 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	* +					Ö	Frequenc	y + 3
KEYSIGHT Input RF		Atten: 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Freq Avg(Hold: 5 Radio Std: 1			Frequency 00000 GHz	Settings
Graph ricale/Div 10.0 dB		Ref Lvi Offset 29				Span 100.00	MHz	
Cale/Div 10.0 dB		Ref Value 40.00	asm			Au	000 MHz to	
0.00 10.0 20.0	azerekkestel			ward	PE-	Freq Of 0 Hz		
30-0 40.0 40.0 50.0 Center 3.84000 GHz		#Video BW 4.00	00 MHz		Span 100 M			
Res BW 1.0000 MHz				#Sv	reep 50.0 ms (1001 pt			
Occupied Bandy	vidth 45.832 MHz		Total Power		27.6 dBm			
Transmit Freq E x dB Bandwidth	rror -919.66 k 48.22 M		% of OBW Pov x dB	wer	99.00 % -26.00 dB			Loc
150	Nov 06, 2024 11:33:33 AM	$\Theta$						

## n77(78)(3700~3980 MHz)\_50 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1	+			Frequency	* 🐝
RL HIND ALLO		np Off Gate Off Av	nter Freq: 3.840000000 GHz g Hold: 50/50 dio Std: None	Center Frequency 3.84000000 GHz	Settings
or PASS	Ref LvI	Offset 29.53 dB		Span 120,00 MHz	
cog 30 0 20.0 10 0	Ref Val	ue 40.00 dBm	~	CF Step 12.000000 MHz Auto Man	
200 100 200 			PEAK	Freq Offset 0 Hz	
50.0 Center 3,84000 GHz Res BW 1,2000 MHz	#Video	BW 5.0000 MHz	Span 120 MHz #Sweep 50.0 ms (1001 pts		
Metrics					
57.92 Transmit Freq Error x dB Bandwidth	-27.853 kHz -27.853 kHz 60.70 MHz	Total Power % of OBW Power x dB	31.5 dBm 99.00 % -26.00 dB		Loca
150	Nov 06, 2024				

### n77(78)(3700~3980 MHz)\_60 M\_OBW\_Mid\_BPSK\_FullRB



HL     Freq Rot Int (S) NFE Adaptive     #IF Gain Low     Radio Std None     3.84000000 GHz       1 Graph     Ref Value 40.00 dBm     Span     120.00 MHz       200     Ref Value 40.00 dBm     PEAK       000     PEAK     PEAK     PEAK       010     PEAK     PEAK     PEAK       020     PEAK     PEAK     PEAK       0400     PEAK     PEAK     PEAK	Spectrum Analyzer 1 Occupied BW	+							Ö	Frequenc	x * 端
I Graph       Ref LvI Offset 29.53 dB       Span         Log       Ref Value 40.00 dBm       CF Step         Log       Auto       Man         100       Handle BW 5.0000 MHz       Span 120 MHz         Auto       Handle BW 5.0000 MHz       Span 120 MHz         Center 3.84000 GHz       #Video BW 5.0000 MHz       Span 120 MHz         Press BW 1.2000 MHz       Span 120 MHz       Handle BW 5.0000 MHz         20 Metrics       I Data Power       31.1 dBm         Coccupied Bandwidth       51.14 MHz       % of OBW Power       99.00 %         X dB Bandwidth       61.14 MHz       X dB       -26.00 dB	RL Coupling DC Align Auto	Corr CCorr Freq Ref. Int (S)		Gate: Off	AvgiH	old 50/50	50/50				Settings
CF Step 12.00000 MHz Auto Man Freq Offset 0 Hz Cccupied Bandwidth 57.979 MHz Transmit Freq Error x dB Bandwidth 51.14 MHz X dB Cccupied Bandwidth Cccupied Bandwidth 51.14 MHz X dB Cccupied Bandwidth Cccupied Bandwidth Cccup	1 Graph								the second second	MHz	
000     000 <td>20.0</td> <td></td> <td></td> <td></td> <td>No.</td> <td></td> <td></td> <td></td> <td>12.000 Aut</td> <td>000 MHz</td> <td></td>	20.0				No.				12.000 Aut	000 MHz	
A00 500 Senter 3.84000 GHz Res BW 1.2000 MHz Res BW 1.2000 MHz Wetrics Coccupied Bandwidth 57.979 MHz Transmit Freq Error x dB Bandwidth 61.14 MHz X dB Coccupied Bandwidth Coccupied Bandwidth 2.000 MHz Coccupied Bandwidth 57.979 MHz Coccupied Bandwidth Coccupied Bandwidth Cocupied Bandwidth Cocup	0.00	Hand			}	Lunnon, H	many	PEAK	Freq Of		
Best 1.2000 MHz     #Sweep 50.0 ms (1001 pts)       2 Metrics     •       Occupied Bandwidth 57.979 MHz     Total Power     31.1 dBm       Transmit Freq Error     -68.794 kHz     % of OBW Power     99.00 %       x dB Bandwidth     61.14 MHz     x dB     -26.00 dB	40 0 50 0						Ena	5 420 Miles			
Occupied Bandwidth     57.979 MHz     Total Power     31.1 dBm       Transmit Freq Error     -68.794 kHz     % of OBW Power     99.00 %       x dB Bandwidth     61.14 MHz     x dB     -26.00 dB	Res BW 1.2000 MHz		#VIGEO BVV 5.000			#Sweep					
	57.9 Transmit Freq Error	979 MHz -68.794 ki			wer		99.00	%			
	x dB Bandwidth			x dB			-26.00 d	B			Loca

#### n77(78)(3700~3980 MHz)\_60 M\_OBW\_Mid\_QPSK\_FullRB



Frequency +						er1 +	Spectrum Analy Occupied BW
50 Center Frequency Setting	ler Freg. 3.840000000 GHz Hold: 50/50 o Std: None	AvgiHold	Trig: Free Run Gate: Off #IF Gain: Low	Atten 14 dB Preamp Off	nput Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Soupling DIS: C Nign Auto F	
Span 120.00 MHz				Ref Lvi Offset 2			Graph
CF Step 12.000000 MHz	1 1		dBM	Ref Value 40.00			og 30.0
Auto		min	and the start for a start of the start	لىردىر مەرەلىرىمى مەروپىرىمى بىرىمىرىمىيى بىرىمىيى بىرىمىيى بىرىمىيى بىرىمىيى بىرىمىيى بىرىمىيى بىرىمىيى بىرىمى	juranenan		20.0
PEAK -Youkodum,dum/dationality.pda.co.	Charling Kunnelson (1.193) 1819	- Lin				contections and another	0.00 10.0 20.0 30.0
							40.0
Span 120 MHz eep 50.0 ms (1001 pts)	Span 120 #Sweep 50.0 ms (1001	#	00 MHz	#Video BW 5.00			Center 3.84000 Res BW 1.200
30.2 dBm	30.2 dBm		Total Power		H7	ed Bandwidth 58.020 M	2 Metrics Occup
99.00 % -26.00 dB	99.00 %	ver	% of OBW Pov		-11.810 kl	nit Freq Error andwidth	

### n77(78)(3700~3980 MHz)\_60 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer 1	+						Q	Frequenc	y • 5,
RL Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Ott #IF Gain: Low	Avgi	er Freq Hold 50/ 5 Std No			Frequency 000000 GHz	Settings
Graph T		Ref Lvi Offset 29 Ref Value 40.00					Span 120.00	) MHz	
20,0 20,0 10,0							CF Ste 12.000 Au	000 MHz Ito	
0.00 10.0 20.0 30.0	, jui				Mund	PEA	Freq O		
40 0 50 0 Center 3,84000 GHz Res BW 1,2000 MHz		#Video BW 5.000	D0 MHz			Span 120 MH ep 50.0 ms (1001 pt			
? Metrics					#Swe	ep 50.0 ms (1007 pc	s)		
Occupied Bandwidth 57.9	43 MHz		Total Power			29.7 dBm			
Transmit Freq Error x dB Bandwidth	-20.986 k 60.97 M		% of OBW Pow x dB	wer		99.00 % -26.00 dB			Loca
<b>4</b> " ~ <b>1</b>	Nov 06, 2024 11:45:51 AM	0							

#### n77(78)(3700~3980 MHz)\_60 M\_OBW\_Mid\_64QAM\_FullRB



pectrum Analyzer 1	+							Ö	Frequenc	y + 3
	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Trig: Free Run Conter Freq: 3.84000000 GHz Preamp Off Gate: Off Avg Hold: 50/50 #IF Gain: Low Radio Std: None				Frequency 00000 GHz	Settings			
Graph T	1	Ref Lvi Offset 29 Ref Value 40.00						Span 120.00	MHz	
.0g		Ref value 40.00						CF Step 12.000	000 MHz	
20.0	James in the second	-	alar i d'anna anna anna anna anna	مبلعليم				Aut Ma		
0.00 10.0 20.0 30:0	~~~~				hada	<b>lel</b> onrymonistateletoron	PEAK MAN	Freq Off 0 Hz	set	
40.0 50.0 Center 3.84000 GHz Res BW 1.2000 MHz		#Video BW 5.000	00 MHz		#Sw	Span 120 eep 50.0 ms (100				
Metrics T										
Occupied Bandwidth 58.05	58 MHz		Total Power			27.7 dBm				
Transmit Freq Error x dB Bandwidth	-4.995 k 60.95 M		% of OBW Pov x dB	wer		99,00 % -26.00 dB				Loc
500	Nov 06, 2024 11:46:16 AM	Ð					X			

## n77(78)(3700~3980 MHz)\_60 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1  Occupied BW	+			Frequency	• * 影
RL Align Auto	Input Z: 50 Q: Atten: 14 Corr CCorr Preamp Freq Ref. Int (S) NFE Adaptive	Off Gate Off AvgiHo	Freq: 3.840000000 GHz d: 50/50 ild: None	Center Frequency 3.840000000 GHz	Settings
Graph	Ref LvI Of	fset 29.53 dB		Span 140.00 MHz	
Scale/Div 10.0 dB	Ref Value			CF Step 14.000000 MHz Auto	
10.0 0.00 10.0 20.0	A. und		PEAN	Man Freq Offset 0 Hz	
30°0 40 0 50,0					
Center 3,84000 GHz Res BW 1.5000 MHz	#Video BV	/ 6.0000 MHz	Span 140 MHz #Sweep 50.0 ms (1001 pts)		
2 Metrics Occupied Bandwidtl 64.	h 403 MHz	Total Power	31.5 dBm		
Transmit Freq Error x dB Bandwidth	-1.6970 MHz 67.96 MHz	% of OBW Power x dB	99.00 % -26.00 dB		Loca
<b>1</b> 7 7 1	? Nov 06, 2024		# N - X		

### n77(78)(3700~3980 MHz)\_70 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1 Occupied BW	+					0	Frequenc	* * 影
RL Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Fre AvgiHold Std Radio Std			Frequency 00000 GHz	Settings
DO PASS		Ref LvI Offset 29				Span 140.00	MHz	
Cale/Div 10.0 dB .0g 20.0 10.0	and a second	Ref Value 40.00	asm			CF Step 14.000 Au	000 MHz to	
200 100 200 <mark></mark>	-1-n				PE/ องฟปองฟอร์แฟฟกูการูยางไม่ไห	Freq Of		
50.0 Senter 3.84000 GHz Res BW 1.5000 MHz		Video BW 6.000	00 MHz	#5	Span 140 M weep 50.0 ms (1001 p			
Metrics  Occupied Bandwidth 64.45	32 MHz		Total Power		31.3 dBm			
Transmit Freq Error x dB Bandwidth	-1.6604 Mł 68.13 Mł		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
150	Nov 06, 2024 11:57:49 AM	Ð						

#### n77(78)(3700~3980 MHz)\_70 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analyzer 1	+					Q	Frequenc	y + 5,
	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten 14 dB Preamp Off	Trig Free Run Gate: Ott #IF Gain Low	Center Fre AvgiHold 3 Radio Std			Frequency 000000 GHz	Settings
Graph		Ref LvI Offset 29				Span 140.00	MHz	
cale/Div 10.0 dB		Ref Value 40.00	0BM			CF Ste 14.000 AL	0000 MHz ito	
0.00 0.0 20.0 30 <sup>-0</sup>	mutu)			hand	PE	Freq O		
40.0 50.0 Center 3,84000 GHz Res BW 1,5000 MHz		#Video BW 6.000	00 MHz	#5	Span 140 M weep 50.0 ms (1001 p			
Metrics +								
Occupied Bandwidt 64.	h 460 MHz		Total Power		30.3 dBm			
Transmit Freq Error x dB Bandwidth	-1.6345 M 68.06 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
<b>4</b> う で 🗌	<b>?</b> Nov 06, 2024 11:58:11 AM	Ð				1		

#### n77(78)(3700~3980 MHz)\_70 M\_OBW\_Mid\_16QAM\_FullRB



complete DW	+					0	Frequenc	y <b>y</b> 5
EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S)	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Free Avg/Hold 5 Radio Std 1		and the second se	Frequency 000000 GHz	Settings
Graph		Ref LvI Offset 29				Span 140.00	MHz	
cale/Div 10.0 dB		Ref Value 40.00 (	dBm			A	0000 MHz Ito	
0.00 10.0 20.0 Januar J	ku -			monicul	ad annothing to a fill of a state of the sta	Freq O Alk O Hz		
40.0 50.0 Senter 3.84000 GHz		#Video BW 6.000	00 MHz		Span 140 M	IHz		
Res BW 1.5000 MHz				#Sv	veep 50.0 ms (1001 p	ots)		
Occupied Bandwidth 64.49	8 MHz		Total Power		29.8 dBm			
Transmit Freq Error x dB Bandwidth	-1.6669 M 68.09 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loc
16011	Nov 06, 2024 11:58:33 AM					7		

#### n77(78)(3700~3980 MHz)\_70 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	+					Ö	Frequenc	y + 🖧
	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Center Freq 3 Avg/Hold: 50/ Radio Std: No			Frequency 00000 GHz	Settings
Graph T	R	ef LvI Offset 29				Span 140.00	MHz	
<b>.09</b> 30.0 20.0 10.0	and the second second	ef Value 40.00	abm			CF Step 14.000 Au Ma	000 MHz to	
0.00 10.0 20.0 30:0 40.0 50.0	and			himpour	PEAP shafsalaliyatiksundun	Freq Of 0 Hz	fset	
Center 3,84000 GHz Res BW 1.5000 MHz	#	Video BW 6.00	00 MHz	#Swe	Span 140 MH ep 50.0 ms (1001 pts			
Metrics Occupied Bandwidth 64.4	94 MHz		Total Power		27.8 dBm			
Transmit Freq Error x dB Bandwidth	-1.5929 MH 68.01 MH		% of OBW Pov x dB	ver	99.00 % -26.00 dB			Loca
1501	<b>Nov 06, 2024</b> 12:17:20 PM	D						

## n77(78)(3700~3980 MHz)\_70 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	+						Ö	Frequenc	y + 👯
	Input Z 5 Corr CCo Freq Ret NFE Ad	rr Preamp Off Int (S)	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre AvgiHold 5 Radio Std		) GHz		Frequency 00000 GHz	Settings
Craph T	NFE AG	Ref LvI Offset 29					Span 160.00	MHz	
Cale/Div 10.0 dB og 20.0 20.0		Ref Value 40.00 (					CF Step 16.000 Aut Ma	000 MHz to	
2.00 10.0 20.0 <b>Anna ang ang ang ang ang ang ang ang ang </b>	handlind			l,,	hinangaaaadd	PEAK Marlanna dr'	Freq Off 0 Hz	fset	
50.0 enter 3.84000 GHz Res BW 1.6000 MHz		#Video BW 6.000	00 MHz	#5	Sp weep 50.0 m	an 160 MHz s (1001 pts)			
Metrics Occupied Bandwidti 77	h 296 MHz		Total Power		31.6 df	300			
Transmit Freq Error x dB Bandwidth	-2	50.35 kHz 31.17 MHz	% of OBW Pov x dB	ver	99,00 -26.00	%			Loca
500	<b>?</b> Nov 06 12:28:3	2024							

#### n77(78)(3700~3980 MHz)\_80 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1 Occupied BW	+							Ö	Frequenc	1 1 5
	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Otf #IF Gain: Low	Centé AvgiH Radio	old 50		GHz		Frequency 00000 GHz	Settings
Graph T		Ref LvI Offset 29 Ref Value 40.00						Span 160.00	MHz	
og 000 000	and all answerth.							CF Step 16.000 Aut Ma	000 MHz to	
0.00 10.0 20.0 January Lances	nhad				Uner		PEAK	Freq Of 0 Hz		
40.0 50.0 Center 3,84000 GHz Res BW 1,6000 MHz		#Video BW 6.000	DO MHz		#Sw	Spa eep 50.0 ms	n 160 MHz (1001 pts)			
Metrics										
Occupied Bandwidth 77.30	03 MHz		Total Power			31.3 dB	m			
Transmit Freq Error x dB Bandwidth	-242.21 kl 81.28 Mi		% of OBW Pov x dB	wer		99.00 -26.00 c				Loca
<b>4</b> 7 C 1	Nov 06, 2024 12:28:55 PM	0								

### n77(78)(3700~3980 MHz)\_80 M\_OBW\_Mid\_QPSK\_FullRB



CL       Freq Ref. Int (S)       #IF Gain Low       Radio Std. None       3.84000000 GHz         V       PASS       NFE Adaptive       3.84000000 GHz       Span         I Graph       Ref Lvi Offset 29.53 dB       Freq Ref Value 40.00 dBm         000       Ref Value 40.00 dBm       PEAK       Freq Offset 29.53 dB       Freq Ref Value 40.00 dBm       Freq Ref Va	pectrum Analyzer 1	+							Q	Frequenc	y 🔹 🗧
Graph       Ref Lvi Offset 29.53 dB       Span         cale/Div 10.0 dB       Ref Value 40.00 dBm       CF Step         000       Image: Color of the	L Align Auto	Corr CCorr Freq Ret. Int (S)		Gale: Off	Avgit	loid 50/	50	Hz			Settings
Og       OG <td< td=""><td>Graph •</td><td>and the second second</td><td></td><td></td><td></td><td></td><td></td><td></td><td>the second second</td><td>MHz</td><td></td></td<>	Graph •	and the second second							the second second	MHz	
Occupied Bandwidth Transmit Freq Error     -199.07 kHz     % of OBW Power     99.00 %	00 0 0 0 0				in man				16.000 Au	000 MHz to	
00-000       00-000       00-000       00-000       00-0000       0-0000       0-0000       0-0000 <t< td=""><td>0.00</td><td></td><td></td><td></td><td></td><td>ture</td><td>بالبوانيو فقاحه والمحالم</td><td>PEAK</td><td>Freq Of</td><td></td><td></td></t<>	0.00					ture	بالبوانيو فقاحه والمحالم	PEAK	Freq Of		
Res BW 1.6000 MHz #Sweep 50.0 ms (1001 pts) Metrics Cocupied Bandwidth 77.161 MHz Total Power 30.4 dBm Transmit Freq Error -199.07 kHz % of OBW Power 99.00 %	40.0										
77.161 MHz         Total Power         30.4 dBm           Transmit Freq Error         -199.07 kHz         % of OBW Power         99.00 %	Center 3,84000 GHz Res BW 1.6000 MHz		#Video BW 6.000	00 MHz		#Swe					
	Occupied Bandwidt			Total Power			30.4 dBm				
					ver						Loc

### n77(78)(3700~3980 MHz)\_80 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyze Occupied BW	er 1 🔹 🕂								ø	Frequenc	· · 😤
	iput_RF oupling_DC: Jign_Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Off #IF Gain: Low	Avg	lêr Freq Hold 5 Io Std 1		I GHz		Frequency 00000 GHz	Settings
1 Graph	*	1	Ref LvI Offset 29						Span 160.00	MHz	
icale/Div 10.0 di .00 30.0 20.0 10.0			Ref Value 40.00	and the state of t	n-Julyan				CF Step 16.000 Aut Ma	000 MHz to	
0.00 10.0 20.0 30-0	iluupele <sup>t</sup> etralise <sup>na</sup> tiraati					Lan	white	PEAK	Freq Of 0 Hz		
40 0 50 0 Center 3,84000 C Res BW 1.6000		,	≠Video BW 6.000	00 MHz		#Sv	Spa Spa	an 160 MHz (1001 pts)			
Metrics	ed Bandwidth										
Cocopie	77.259	MHz		Total Power			29.9 dE	lm			
Transmi x dB Ba	it Freq Error Indwidth	-274.65 kH 81.26 MH		% of OBW Pov x dB	wer		99.00 -26.00				Local
150	* 1 ?	Nov 06, 2024 12:29:40 PM	Ð					X			

#### n77(78)(3700~3980 MHz)\_80 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analy. Occupied BW	zer 1 🔹	+							0	Frequency	(* 5)
NL -	Input_RF Coupling_DC Align_Auto	Input Z: 50 Q Corr CCorr Freq Ret. Int (S) NFE: Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Avg	ler Freq Hold 50 o Std N		) GHz		Frequency 00000 GHz	Settings
DO PASS 1 Graph Scale/Div 10.0	*		Ref Lvi Offset 29 Ref Value 40.00						Span 160.00	MHz	
-09 30 0 20 0 10 0		in a straight		asm www.colulu.cocon					CF Step 16.000 Aut Ma	000 MHz to	
0.00 10.0 20.0 30.0 40.0 50.0	abaya (Yadiya) na musa	NGAN				Lur	Marmande	PEAK MyMuniciem	Freq Of 0 Hz	fset	
Center 3,84000 Res BW 1.600			≠Video BW 6.000	00 MHz		#Sw		an 160 MHz s (1001 pts)			
2 Metrics Occup	ied Bandwidth 77.2	49 MHz		Total Power			27.8 dE	3m			
	nit Freq Error landwidth	-230.37 kl 81.02 Mi		% of OBW Pov x dB	ver		99.00 -26.00				Loca
5	3	<b>Nov 06, 2024</b> 12:30:04 PM	9					X			

#### n77(78)(3700~3980 MHz)\_80 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	+							Ö	Frequenc	y + 5,
	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Ott #IF Gain: Low	Avg He	Freq: 3.840 old: 50/50 Std: None	000000 GHz	2		Frequency 00000 GHz	Settings
Graph r		Ref Lvi Offset 29 Ref Value 40.00						Span 180.00	MHz	
og 0.0 0.0	Jummen		abm Antoinean dir <sup>an</sup> iannaire	many				CF Step 18.000 Aut Ma	000 MHz Io	
0.00 10.0 20.0 30 <sup>-0</sup> 10.0	New				humolitarysi	dinadd	PEAK	Freq Of 0 Hz	fset	
50 0 enter 3,84000 GHz Res BW 1.8000 MHz		Video BW 8.000	00 MHz		#Sweep 5	Span 11 0.0 ms (10				
Metrics										
	00 MHz		Total Power			31.7 dBm				
Transmit Freq Error x dB Bandwidth	-508.99 ki 91.21 M		% of OBW Pov x dB	wer		99.00 % 26.00 dB				Loca
5 C 1	Nov 06, 2024 12:41:15 PM	0			***		X			

### n77(78)(3700~3980 MHz)\_90 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analyzer 1								Ö	Frequenc	y + 3,
	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Avgil	er Freq 3 Hold 50/5 Std No		GHz		Frequency 00000 GHz	Settings
Graph T Graph T Grale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00						Span 180.00	MHz	
.0g 30.0 20.0	Ji wangin ya pantu							CF Step 18.000 Au	000 MHz	
דו 0 0.00 10.0 20.0 בבביל העריק אינט אינט אינט אינט אינט אינט אינט אינט	J.				henrich	ممعلمينينياسال	PEAK.	Ma Freq Of 0 Hz		
30-0 40 0 50,0										
Center 3.84000 GHz Res BW 1.8000 MHz 2 Metrics		Video BW 8.000	0 MHZ		#Swe		in 180 MHz (1001 pts)			
Occupied Bandwidth 86.869 Transmit Freq Error	MHz -451.16 kt	47	Total Power % of OBW Pov	wer		31.3 dB 99.00				
x dB Bandwidth	91.43 Mł		x dB	45)		-26.00 d				Loca
∎ っぺ □ ?	Nov 06, 2024 12:41:39 PM	Ð								

#### n77(78)(3700~3980 MHz)\_90 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Analy Occupied BW	zer 1	+							Ö	Frequenc	y 🔹 🕄
	Input_RF Coupling_DIS Align_Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig: Free Run Gate: Otf #IF Gain: Low	Avgil	ar Freq Hold: 50 5 Std: N		0 GHz		Frequency 00000 GHz	Settings
Graph	1		Ref LvI Offset 29 Ref Value 40.00						Span 180.00	MHz	
0g 30.0 20.0				abm maximum	tainitin te				Au	000 MHz to	
	an an an and a start of the	w				would	manlaramore	PEAK	Ma Freq Of 0 Hz		
30-0 40-0 50-0			Video BW 8.000								
Res BW 1.800			VIDEO BW 8.000	UMHZ		#Sw		an 180 MHz s (1001 pts)			
Trans	pied Bandwidth 86.89 mit Freq Error 3andwidth	-435.26 kl 91.43 Ml		Total Power % of OBW Pow x dB	wer		30.4 dl 99.00 -26.00	%			Loca
15	CH 🗌										

#### n77(78)(3700~3980 MHz)\_90 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analy Occupied BW	zer 1 🕌	+								Ö	Frequenc	y • 器
	Input RF Coupling DC: Align Auto	C F	put Z: 50 Ω orr CCorr req Ref. Int (S) FE. Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Off #IF Gain: Low	Avg	ter Freq Hold 50 io Std N		0 GHz		Frequency 00000 GHz	Settings
Graph Scale/Div 10.0	1			Ref LvI Offset 2 Ref Value 40.00						Span 180.00	MHz	
20.0 10.0					<b>GBM</b>					CF Step 18.000 Au Ma	000 MHz to	
0.00 10.0 20.0 <mark>ulpenint-0 in</mark> 30-0 40.0	and and the second s	www					ban	manananta	PEAK	Freq Of 0 Hz		
50.0 Center 3,84000 Res BW 1.800				Video BW 8,000	DO MHz		#Sw		an 180 MHz s (1001 pts)			
Metrics Occup	ied Bandwidti	h 755 Mi	47		Total Power			29.9 di	3m			
	mit Freq Error Bandwidth		-434.78 k 91.34 M		% of OBW Pov x dB	wer		99.00 -26.00	%			Loca
15		?	Nov 06, 2024 12:42:24 PM	9					X			

### n77(78)(3700~3980 MHz)\_90 M\_OBW\_Mid\_64QAM\_FullRB



Spectrum Analyzer 1 Occupied BW	+						Ö	Frequenc	y + 👯
	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Otf #IF Gain: Low	Avgit	e Freg 3.840 Iold 50/50 Std None	000000 GHz		Frequency 00000 GHz	Settings
Graph T		Ref LvI Offset 29 Ref Value 40.00					Span 180.00	MHz	
	plants (historiczenis ad	Ref Value 40.00		~			Au	000 MHz to	
00 0 0 0 0 0 0 0 0	me				h. Jet with the hourse	PEAK Anthe International Martin	Ma Freq Of 0 Hz		
40 0 50 0 enter 3.84000 GHz Res BW 1.8000 MHz		Video BW 8.000	0 MHz		#Sween 5	Span 180 MH 0.0 ms (1001 pts			
Metrics T							2		
Occupied Bandwidth 86.90	02 MHz		Total Power		2	7.9 dBm			
Transmit Freq Error x dB Bandwidth	-515.22 kl 91.53 Mi		% of OBW Pov x dB	ver		99.00 % 26.00 dB			Loca
50	Nov 06, 2024 12:42:47 PM	0							

## n77(78)(3700~3980 MHz)\_90 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analy Occupied BW	zer 1	+							0	Frequenc	y + 5%
	Input_RF Coupling DIG Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S NFE: Adaptive	Atten: 14 dB Preamp: Off )	Trig Free Run Gate: Off #IF Gain Low	Avg	er Freq Hold: 50 o Std: N		0 GHz		Frequency 00000 GHz	Settings
Graph	1	NFC Adaptive	Ref LvI Offset 29 Ref Value 40.00						Span 200.00	MHz	
20.0 10.0			Ker value 40.00						CF Step 20.000 Au Ma	000 MHz to	
0.00 10.0 20.0 40.0 30.0	فالمارج الإستان والماران	n fan l				Jon La	and the form	PEAK abu hu	Ereo O		
50.0 Center 3,8400 ( Res BW 2.000			#Video BW 8.000	00 MHz		#Sw		an 200 MHz s (1001 pts)			
Metrics	ied Bandwidth										
Cocoh		529 MHz		Total Power			31.9 d	Bm			
	mit Freq Error 3andwidth	-655.70 101.4		% of OBW Pov x dB	wer		99.00 -26.00				Loca
<b>1</b> 50	2	Nov 06, 2024 12:54:08 PM	9					X			

#### n77(78)(3700~3980 MHz)\_100 M\_OBW\_Mid\_BPSK\_FullRB



Spectrum Analy Occupied BW	zer 1 +	+								0	Frequenc	1 + 57
	Input_RF Coupling_D/C Align_Auto	Con Free	ut Z: 50 Ω r CCorr g Ret: Int (S) Adaptive	Atten 14 dB Preamp Off	Trig: Free Run Gate: Ott #IF Gain: Low	Avgi	er Freq Hold 50 5 Std N		GHz		Frequency 00000 GHz	Settings
Graph		INFIL		Ref LvI Offset 29						Span 200.00	MHz	
cale/Div 10.0	aB		and the second second	Ref Value 40.00	1980					CF Step 20.000 Au Ma	000 MHz to	
0.00 10.0 20.0 30-0 40.0	ىرىرىللۇمچەرلەردى. مەربىرىلىلۇمچەرلەردىي	iiiidd					butto	-we-nalydra	PEAK	Freq Of 0 Hz	Íset	
50.0 enter 3,8400 Res BW 2.000				#Video BW 8.000	00 MHz		#Sw	Spa eep 50.0 ms	n 200 MHz (1001 pts)			
Metrics Occup	• Died Bandwidth											
	96. mit Freq Error Bandwidth	561 MHz	-662.22 kl 101.6 Mi		Total Power % of OBW Pow x dB	wer		31.5 dB 99.00 ° -26.00 d	%			Loca
5		? No	ov 06, 2024 :54:31 PM	9					X			

#### n77(78)(3700~3980 MHz)\_100 M\_OBW\_Mid\_QPSK\_FullRB



Spectrum Anal Occupied BW	yzer 1	+							0	Frequenc	1 + 57
	Input_RF Coupling DIG Align Auto	Input Z: 50 Corr CCorr Freq Ref. In NFE Adap	Preamp Off nt (S)	Trig: Free Run Gate: Off #IF Gain: Low	Avg	tér Freq 3 Hold 50/ Io Std No		GHz		Frequency 00000 GHz	Settings
Graph	*	nic roop	Ref Lvi Offset 29						Span 200,00	MHz	
cale/Div 10.0			Ref Value 40.00 o		عنموطيعتم				CF Step 20.000 Aut Ma	000 MHz to	
0.00 10.0 20.0 30.0 40.0	روبه روانه این اور	geth)				hinner	lan the state of the	PEAK Manaharah	Freq Of 0 Hz	fset	
50.0 Center 3,8400 Res BW 2.00			#Video BW 8.000	00 MHz		#Swe	Spar ep 50.0 ms	n 200 MHz (1001 pts)			
2 Metrics	1										
Occu	pied Bandwidth 96.6	542 MHz		Total Power			30.5 dBn	ń			
	smit Freq Error Bandwidth		5.55 kHz 1.4 MHz	% of OBW Pov x dB	wer		99.00 % -26.00 di				Loca
1	6	<b>?</b> Nov 06, 2 12:54:53	2024 PM								

#### n77(78)(3700~3980 MHz)\_100 M\_OBW\_Mid\_16QAM\_FullRB



Spectrum Analyzer Occupied BW	* + +								0	Frequenc	y + 3,
Alig	upling OC. In Auto	Input Z 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten: 14 dB Preamp Off	Trig: Free Run Gate: Off #IF Gain: Low	Avg	ter Freq Hold 50 to Std N		GHz		Frequency 00000 GHz	Settings
Graph		F	ef Lvi Offset 29 Ref Value 40.00						Span 200.00	MHz	
00 00 00 00		funperstance, intege							CF Step 20.000 Au Ma	000 MHz to	
000 0.0 0.0 0.0 0.0	ana an					happen	entralentighted	РЕАК Илинаријанија	Freq Of 0 Hz		
40 0 50 0 enter 3,8400 GHz Res BW 2,0000 M			Video BW 8.000	00 MHz		#Sw	Spa eep 50.0 ms	an 200 MHz ; (1001 pts)			
Metrics	Bandwidth										
	96.497 N	MHz		Total Power			30.2 dE	Im			
Transmit F x dB Band		-693.66 kH 101.6 MH		% of OBW Pow x dB	wer		99,00 -26.00				Loca
150	2	Nov 06, 2024 12:55:16 PM	9					$\exists X$			

#### n77(78)(3700~3980 MHz)\_100 M\_OBW\_Mid\_64QAM\_FullRB



Graph     Ref Lvi Offset 29.53 dB     20.000 MHz       Graph     Ref Value 40.00 dBm     CF Step       300     Auto     Man       000     Man     PEAK       000     MHz     Span 200 MHz       Res BW 2.0000 MHz     Span 200 MHz       Man     PEAK       0000     Man       96.0585 MHz     Total Power       101     P9.00 %		ut RF upling DG in Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten: 14 dB Preamp: Off	Trig Free Run Gate: Off #IF Gain Low	Avg	ter Freq Hold: 50 io Std: N		) GHz		Frequency 00000 GHz	Settings
Og       Og <td< td=""><td>Graph</td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>the second second</td><td>MHz.</td><td></td></td<>	Graph		1							the second second	MHz.	
Man         PEAK         PEAK <tr< td=""><td>.0g 30.0 20.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>20.000</td><td>000 MHz</td><td></td></tr<>	.0g 30.0 20.0									20.000	000 MHz	
Openeter 3.8400 GHz         #Video BW 8.0000 MHz         Span 200 MHz           Res BW 2.0000 MHz         #Sweep 50.0 ms (1001 pts)           Metrics         *           Occupied Bandwidth 96.585 MHz         Total Power         28.1 dBm           Transmit Freq Error         -667.43 kHz         % of OBW Power         99.00 %	0.00				a anna a chuir ann an ann an an ann an ann an ann ann				PEAK	Freq Of		
Occupied Bandwidth 96.585 MHz         Total Power         28.1 dBm           Transmit Freq Error         -667.43 kHz         % of OBW Power         99.00 %	30-0 44	and an an an and a star and					College States	kelilanerski spira	forest for and the	UHZ		
96.585 MHz         Total Power         28.1 dBm           Transmit Freq Error         -667.43 kHz         % of OBW Power         99.00 %	Center 3,8400 GH			#Video BW 8.000	00 MHz		#Sw					
			MHz		Total Power			28.1 dł	3m			
						wer						Loc

### n77(78)(3700~3980 MHz)\_100 M\_OBW\_Mid\_256QAM\_FullRB



Spectrum Analy Swept SA	zer 1	+					Q.	Frequency	5
	Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref: Int (S) NFE Adaptive	#Atten: 14 dB Preamp: Off	PNO Fast Gate: Off IF Gain: Low Ski Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 6 M WW WW W P P P P P P	the state of the s	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	• 8		Ref Level 4.00		Mkr1	10.000 00 GHz -63.31 dBm	Sw	0000 GHz ept Span	
6.0			2					o Span uli Span	
6.0 6.0							Start Fre 30.000	eq 000 MHz	
5.0 5.0 5.0 what defines	nigyan himanika	enerter statements	and a line of the state of the	محاجز بيروس المحاصر الم	Manual Contraction of the second s	an hair mainthaire is an in-arth	Stop Fre 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz	1 2	TO TUNE	
	1Hz Trace Scale	x	Y	Function I	Sweep Function Width	p ~18.1 ms (1001 pts) Function Value	Contraction of the local division of the loc	0000 MHz	
1 N 2 N 3	1 1	10.000 00 GHz 3.698 96 GHz					Freq Of 0 Hz	lset	-
4 5 6							X Axis S Lo Lin	3	Loc
5		Pec 05, 2024 9:22:01 AM							

## n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





#### n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



wept SA		+					Ċ,	Frequency	
	Coupling DG Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 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 3 0 M WW WW W P P P P P P P		Frequency 00000 GHz	Settings
Spectrum cale/Div 10	r dB	THEL ANALINE	Ref Level 4.00		Mkr	1 9.960 12 GHz -63.27 dBm	Sw	0000 GHz ept Span	
og 6.0 6.0			2					ro Span full Span	
96.0 96.0 96.0						1	Start Fr 30.000	eq 000 MHz	
6.0 ayyalm-ayh	na ana ang ang ang ang ang ang ang ang a	Lalainean an inisin an Annaise an	ed was many	and the state of the second	j. magalok ya pilaka ya dife	ana gerane gerane and a ger	Stop Fr 10.000	eq 000000 GHz	
tart 30 MHz Res BW 1.0	MHz		#Video BW 3.0	MHz	Swee	Stop 10.000 GHz p ~18.1 ms (1001 pts)	1		
Marker Table Mode	Trace Scale	e X	Ý	Function	Function Width	Function Value		0000 MHz to	
1 N 2 N 3	1 f 1 f	9.960 12 GHz 3.958 18 GHz					Freq Of 0 Hz	lset	-
4 5 6							X Axis S Lo Lir	g	LO
っ	C*	? Dec 05, 2024 9:24:09 AM	<u></u>					-	

# n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB



Spectrum Anal Swept SA	yzer 1	+					Q.	Frequency	
	Input: RF Coupling, DG Align: Auto	input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 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 0 M WW WW W P P P P P P	5.0150	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 c	r IB		Ref Level 4.00		Mkr	1 9.940 18 GHz -62.59 dBm	Sw	0000 GHz rept Span	
6.0		¥	2					ro Span full Span	
6.0 6.0						1	Start Fr 30,000	eq 000 MHz	
6.0 6.0 6.0	مىرىلاردۇ.كىرىمىرىكە كەركىرىدىن	an interview of the second	tother where the second	approximation and the second	والالاستينا المفاسل والمحرودات	and the second second	Stop Fr 10.000	eq 000000 GHz	
tart 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz	1. 1. 1	ITO TUNE	
Res BW 1.0 M Marker Table Mode	MHz Trace Scale	x	Ŷ	Function	Sweep Function Width	p ~18.1 ms (1001 pts) Function Value	Contraction of the local division of the loc	0000 MHz to	
1 N 2 N 3 4	1 r 1 r	9,940 18 GH 3,698 96 GH					Freq Of 0 Hz	lset	-
4 5 6							X Axis S Lo Lin	g	Loca
5	3	Pi25:17 AM	$\bigcirc$					-	

## n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





#### n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					Ċ.	Frequency	y • 🗧
	Input: RF Coupling, DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten: 14 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 M WW WW W P P P P P P	5.0150	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	r B		Ref Level 4.00		Mkr	1 8.743 78 GHz -63.00 dBm	Sw	0000 GHz rept Span	
5.0			Y2					ro Span <sup>:</sup> ull Span	
6.0 6.0 6.0						.1	Start Fr 30.000	eq 000 MHz	
5.0 5.0 daway/hight	material	ሌነዋትው አዋት ድንፍ ተሳዮዮ የሥቆያቋው <sup>ብ</sup>	Andrewser	man alana an	yjaelteetys souther	an again de marina an a	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz tes BW 1.0 N			#Video BW 3.0	MHz		Stop 10.000 GHz	1.1.1	ITO TUNE	
Marker Table Mode	Trace Scale		Y	Function	Function Width	p ~18.1 ms (1001 pts) Function Value	Concession of the local division of the loca	0000 MHz to	
1 N 2 N 3 4	1 f 1 f	8.743 78 GHz 3.948 21 GHz					Freq Of 0 Hz		-
5							X Axis S Lo Lin	g	Loc
5		Pic 05, 2024 9:27:25 AM						-	

## n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB



Spectrum Ana Swept SA	lyzer 1	+					Ċ	Frequenc	y 🔹 👬
	T Input RF Compling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten 14 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 0 M WW WW W P P P P P P	5.01500	requency 00000 GHz	Settings
1 Spectrum					Mkr2	2 3.818 60 GHz	Span 9.9700(	0000 GHz	
Scale/Div 10	dB		Ref Level 4.00	dBm		-3.07 dBm	and the second	ept Span	
-6 00			2					o Span	
-16.0							F	uli Span	
-36.0 -46.0							Start Fre	eq 000 MHz	
-70.0	erden fillen fan de feren ser ser	ntrouvernancethant	an particular and a second	etter des la generation	allowed and a second start of the second	angebruiter the get the stand	Stop Fre 10.0000	9 000000 GHz	
-86.0							AU	TO TUNE	
Start 30 MHz #Res BW 1.0			#Video BW 3.0	MHZ	Sweep	Stop 10.000 GHz ~18.1 ms (1001 pts)	CF Step		
5 Marker Table							Participation of the	0000 MHz	
Mode	Trace Scale	x	Y	Function	Function Width	Function Value	Aut Mar		
1 N 2 N	1 f	9.950 15 GHz 3.818 60 GHz					Freq Off	set	
3							0 Hz		
4 5 6							X Axis S Log Lin		Local
っ	6	Dec 05, 2024 9:29:40 AM						-	

## n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



Swept SA	/zer 1	+					Q.	Frequency	y • 5
EYSIGHT	Input RF Coupling DC Align Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten: 14 dB Preamp: Off	PNO Fast Gate Off IF Gain Low Sig Track Off	#Avg Type: Po Tng: Free Run	wer (RMS 123450 M www.www P P P P P P		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 c	T B		Ref Level 4.00		Mkr	1 9.391 83 GHz -62.98 dBm	Sw	0000 GHz ept Span	
6.0			Ŷ2					o Span uli Span	
6.0 6.0							Start Fr 30.000	eq 000 MHz	
5.0 5.0 5.0 multiplet	الملاجد حرافه المجار والجار والمحاوية	مهينه والمعرفين والمراجع والمراجع والمعرفين	Mayananana	and manufactures and the second s	wantersport	แล้วกูปหน้ามีหน้ามีหน้าหน้า	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		TO TUNE	
	Trace Scale		Ŷ	Function	Swee Function Width	p~18.1 ms (1001 pts) Function Value	and the second second	0000 MHz to	
1 N 2 N 3	1 r 1 r	9.391 83 GHz 3.938 24 GHz					Freq Of 0 Hz	lset	-
4 5 6							X Axis S Lo Lin	9	Loc
5	C"	<b>?</b> Dec 05, 2024 9:30:43 AM						-	

# n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





#### n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



wept SA	yzer 1	+					ø	Frequency	•
	Input: RF Compling, DG Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 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 0 M WW WW W P P P P P P P		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 c	r IB		Ref Level 4.00		Mkr	1 8.803 60 GHz -63.20 dBm	Sw	0000 GHz ept Span	
00 5.0 5.0			2					o Span uli Span	
6.0 6.0							Start Fr 30.000	eq 000 MHz	
5.0 5.0 5.0 Kentlutyanili	en line and	adashii adahii ta'aanaa ka	Whomework	and the second	afin and a share a	manulicensisters	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		TO TUNE	
Res BW 1.0 M Marker Table Mode	MHz Trace Scale		Y	Function	Sweep Function Width	p ~18.1 ms (1001 pts) Function Value		0000 MHz to	
1 N 2 N 3	1 1	8.803 60 GHz 3.928 27 GHz					Freq Of 0 Hz	lset	-
4 5 6							X Axis S Lo Lir	9	Lo
5	(* 🗌 *	2 Dec 05, 2024 9:34:02 AM	Ð				-	-1	

# n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB



Spectrum Analy Swept SA	vzer 1 🔹	+					Q	Frequency	1 .
EYSIGHT	Input RF Coupling DG Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 dB Preamp Off	PNO Fast Gate Off IF Gain Low Sig Track Off	#Avg Type: Po Trig: Free Rur	wer (RMS 123450 MWWWWW PPPPP	the second second	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 c	r B		Ref Level 4.00		Mkr	1 9.990 03 GHz -62.84 dBm	Sv	00000 GHz vept Span ro Span	
6.0 6.0			2					Full Span	
6.0 6 0							Start Fr 30,000	req 0000 MHz	
6.0 6.0 6.0 WWW.W.	en an	www.	Ununument	angeren and and an and an and an	And son themas and the own	าารุลายมากรูปกระสมประวาท	Stop Fr 10.000	eq 0000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		JTO TUNE	
	AHz T Trace Scale		Ý	Function	Swee Function Width	p ~18.1 ms (1001 pts) Function Value	Contraction of the local distance of the loc	00000 MHz	
1 N 2 N 3		9,990 03 GH 3.808 63 GH					Freq O 0 Hz	lfset	-
4 5 6							X Axis : Lo Li	g	Loc
5	C"	2 Dec 05, 2024 9:36:17 AM					-	-	

## n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	vzer 1 🔹	+					¢	Frequency	y • 5
KEYSIGHT	Input RF Coupling DC Align Auto	Input Z 50 Q Corr CCarr Freq Ref: Int (S) NFE: Adaptive	#Atten: 14 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 0 M WW WW W P P P P P P P	the second second	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	r IB		Ref Level 4.00		Mkr	1 8.325 04 GHz -63.53 dBm	Sv	00000 GHz vept Span	
6.0			Y2					ro Span Full Span	
6.0 6.0							Start Fi 30.000	req 0000 MHz	
	halan an a	adulteriagen galiteria ana	all an questioned	kan mana kan mana mana mana mana mana ma	entrafetta anticarte		Stop Fr 10.000	eq 0000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		JTO TUNE	
Res BW 1.0 M Marker Table Mode	/Hz Trace Scale		Ý	Function	Sweep Function Width	p ~18.1 ms (1001 pts) Function Value		00000 MHz	
1 N 2 N 3		8,325 04 GHz 3,908 33 GHz					Freq O 0 Hz	lfset	
4 5 6							X Axis : Lo Li	g	Loc
5	C" -	? Dec 05, 2024 9:40:43 AM	Ð				-	-	

## n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					Q.	Frequency	* * 5
	Input RF Coupling DG Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 14 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 8 0 M WW WW W P P P P P P		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	r B		Ref Level 4.00		Mkr	1 9.132 61 GHz -63.54 dBm	Sw	0000 GHz ept Span	
6.0			2					ro Span full Span	
6.0 6.0 6.0							Start Fr 30.000	eq 000 MHz	
	Majoon and Martinetonia	rementatives to a second de la	Same production	r water and the starter	Manual and a second	Liendelig-designed and a grand and a grand a gr	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz	4.47	ITO TUNE	
Res BW 1.0 M Marker Table Mode	Trace Scale	x	Ý	Function	Sweep Function Width	p ~18.1 ms (1001 pts) Function Value	Contraction of the	0000 MHz to	
1 N 2 N 3		9.132 61 GHz 3.698 96 GHz					Freq Of 0 Hz	lset	
4 5 6							X Axis S Lo Lir	g	Loc
5	C <sup>1</sup>	Dec 05, 2024 9:41:52 AM	Ð						

## n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





#### n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	vzer 1 🔹	+					Ö	Frequency	
KEYSIGHT	Input: RF Coupling, DG Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 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 8 0 M WW WW W P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	r IB		Ref Level 4.00	the driving schools	Mkr	9.710 87 GHz -62.87 dBm	Sv	00000 GHz vept Span	
6.0			Ŷ <b>2</b>					ero Span Full Span	
96.0 16.0							Start F 30,000	req 0000 MHz	
0.0	William Strands	an and the second	Wayner contraction and all	when the sta	unioniantan	and a second second second second second	Stop Fi 10.000	req 0000000 GHz	
tart 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		JTO TUNE	
Res BW 1.0 M Marker Table Mode	Trace Scale	x	Y	Function I	Sweep Function Width	18.1 ms (1001 pts) Function Value	Concernance of	00000 MHz Ito	
1 N 2 N 3 4	1 f 1 f	9.710 87 GHz 3.898 36 GHz					Freq O 0 Hz		
5							X Axis Lo Li	g	Loca
5	C"	2 Dec 05, 2024 9:44:05 AM	Ð				k.		

## n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB



Spectrum Anal Swept SA	yzer 1	+					Ö	Frequency	
	Input: RF Coupling, DG Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten: 14 dB Preamp: Off	PNO Fast Gale Off IF Gain Low Sig Track Off	#Avg Type Po Ting: Free Run	wer (RMS 1 2 3 4 8 0 M WW WW W P P P P P P		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 c	r IB		Ref Level 4.00		Mkr	1 7.487 56 GHz -63.49 dBm	Sw	0000 GHz ept Span	
6.0			Y2					o Span uli Span	
6.0 6.0 6.0					.1		Start Fr 30.000	eq 000 MHz	
5.0 5.0 Walatalyo	sublicity of the former	and a second and the second and the second	Www.eddoressintert	and the second second	worthereserver	and a start and	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz Res BW 1.0 M	/U-		#Video BW 3.0	MHz	Euroo	Stop 10.000 GHz 2 ~18.1 ms (1001 pts)	1.1.1	TO TUNE	
Marker Table Mode	Trace Scale	×	Ŷ	Function	Function Width	Function Value		0000 MHz to	
1 N 2 N 3	1 f 1 f	7.487 56 GHz 3.888 39 GHz					Freq Of 0 Hz	lset	
4 5 6							X Axis S Lo Lir	9	Loc
5	C .	Pec 05, 2024 9:47:28 AM						-	

# n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB



Spectrum Analyzer Swept SA	· ·	÷					¢	Frequency	
	ut RF upling DG gn Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 dB Preamp Off	PNO Fast Gale: Off IF Gain Low Sig Track: Off	#Avg Type Po Trig: Free Run	wer (RMS 1 2 3 4 8 0 M WW WW W P P P P P P P	5.0150	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dB	1		Ref Level 4.00		Mkr	1 9.172 49 GHz -63.07 dBm	Sw	0000 GHz rept Span	
6.0			2					ro Span Full Span	
6.0 6.0							Start Fr 30.000	eq 000 MHz	
5.0 5.0 5.0 Hells freezen Porte	BILLING BY BURNING TH	montempole	putan	พระระสุขะวะใช้สะระชายพุณ	www.	and the second second second	Stop Fr 10.000	eq 000000 GHz	
art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz		ITO TUNE	
Res BW 1.0 MHz Marker Table Mode Tra		x	Ý	Function	Sween	p ~18.1 ms (1001 pts) Function Value		0000 MHz to	
1 N 1 2 N 1 3 4		9.172 49 GHz 3.698 96 GHz					Freq Of 0 Hz	lset	
4 5 6							X Axis S Lo Lir	g	Loc
うつ		Dec 05, 2024 9:48:38 AM						-	

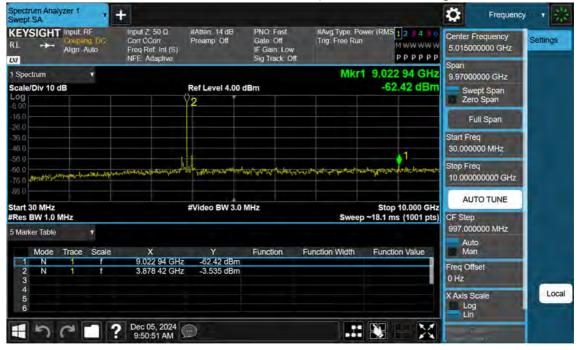
## n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB



WEPT SA		hput Z: 50 Ω Corr CCorr	#Atten 14 dB Preamp Off	PNO Fast Gate Off	#Avg Type: Po Tria: Free Run	wer (RMS 1 2 3 4 5 0	Center I	Frequency Frequency	Settings
L -+	Align Auto	Freq Ref. Int (S) NFE_Adaptive		IF Gain Low Sig Track Off	ing the num	PPPPP	and the second	00000 GHz	
Spectrum cale/Div 10 d	T B		Ref Level 4.00	dBm	Mkr1	9.710 87 GHz -64.06 dBm		0000 GHz ept Span	
o0 6.0			2					o Span uli Span	
5.0 5.0 5.0							Start Fre 30,000	eq 000 MHz	
	strenfrantips(strin-sort)~	non all and an and an and	Hatssmanna	erythiserre	aniporti-vocas-alog-,	and a second and a s	Stop Fre 10.000	eq 000000 GHz	
6.0 art 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz	1	TO TUNE	
es BW 1.0 M Marker Table Mode	Trace Scale	×	Ŷ	Function F	Sweep	- 18.1 ms (1001 pts)	CF Step 997.00 Aut Ma	0000 MHz to	
1 N 2 N 3	1 f 1 f	9.710 87 GHz 3.788 69 GHz					Freq Of 0 Hz	12 C	-
4 5 6							X Axis S Lo: Lin	9	Loc
5	C" -	2 Dec 05, 2024 9:49:46 AM				<b>N</b> - <b>X</b>	51	-	

## n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB





### n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB



pectrum Analy wept SA							¢	Frequency	× • 5
EYSIGHT	Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High Sig Track Off	#Avg Type: F Trig: Free Ru	ower (RMS 12 84 56 m MWWWWW PPPPPP		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	в		Ref Level -20.0			Mkr1 36.37 GHz -67.83 dBm	Sw	0000 GHz ept Span ro Span	
								ull Span	
							Start Fre 10.000	eq 000000 GHz	
0.0 0.0							Stop Fre 40.000	eq 000000 GHz	
0.0	noly	J	ul ni shi karuaki	ul Humanan pur Hahai	with the light the	un vien and manager	AU CF Step	TO TUNE	
a a	1414 while colors	AMANANA AN A	A test from the second s				3.0000 Aut	00000 GHz to	
100							Ma Freq Of 0 Hz		
art 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Swee	Stop 40.00 GHz p ~54.0 ms (1001 pts)	X Axis S Loj Lin	9	Loc
15	an	? Dec 05, 2024 9:22:13 AM							

## n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					\$	Frequency	× • 👬
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	IS 1 2 3 4 3 0 M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.			35.74 GHz 67.03 dBm	- Sw	0000 GHz ept Span ro Span	
							F	ull Span	
40.0 50.0							Start Fr 10.000	eq 000000 GHz	
50.0							Stop Fr 40.000	eq 000000 GHz	
				LINE DI MUNITE AND	dal reconcered to be de talle	Lallaplandarra.ov	AL	TO TUNE	
and why have	laphinisting	erephysics which which and a	Androduler to the	M N. M. A. A. B. M.	hlavtimenentiaettale		CF Step 3.0000	) 00000 GHz	
100							Au Ma		
110							Freq Of 0 Hz	lset	
tart 10.00 GH Res BW 1.0 N			#Video BW 3	3.0 MHz		top 40.00 GHz ms (1001 pts)	X Axis S Lo Lir	9	Loca
5	2	? Dec 05, 2024 9:23:19 AM							

## n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analyzer 1 Swept SA	+					\$	Frequency	1 * 3
	ing DG Corr CCorr	#Atten: 0 dB Preamp Off	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 0 M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	Y	Ref Level -20.0		N	lkr1 36.43 GHz -67.14 dBm	Sv	0000 GHz rept Span ro Span	
							ull Span	
0.0						Start Fr 10.000	eq 000000 GHz	
0.0						Stop Fr 40.000	eq 000000 GHz	
	ann agailte ann an thairte an thairte	k tre Atomak	have the s. Deposit of the ba	and the station of the	aternationality		ITO TUNE	
1. C. C. Halfmerter Williams	Alam a har jan that the sharest and	lough the data and a second	in sector de la constante de la La constante de la constante de	MP		CF Ste 3.0000	o 00000 GHz	
100						Au Ma		
110						Freq O 0 Hz	fset	
art 10.00 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Sweep	Stop 40.00 GHz 54.0 ms (1001 pts)		g	Loca
500	Dec 05, 2024 9:24:21 AM	<u></u>					2000 	

# n77(78)(3700~3980 MHz)\_20 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					ø	Frequency	
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power Trig: Free Run	r (RMS 1 2 3 4 5 0 M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dl	B		Ref Level -20.0		Mki	1 37.84 GHz -67.30 dBm	Sw	0000 GHz ept Span ro Span	
							F	ull Span	
10.0 50.0							Start Fr 10.000	eq 000000 GHz	
50.Ŭ						1	Stop Fr 40.000	eq 000000 GHz	
		childer and the could be	เส. โดยเอสซิตสะให้	Kallenalis inited	hildred habelitary and	4.altimonaltination		TO TUNE	
the way way	haple the second second	rinitation and the second s	Walking a Cashing	an and the statistication of			CF Step 3.0000	) 00000 GHz	
100							Au Ma		
110							Freq Of 0 Hz	lset	
tart 10.00 GH; Res BW 1.0 M			#Video BW 3.0	) MHz	Sweep ~	Stop 40.00 GHz 54.0 ms (1001 pts)		9	Loc
150		Dec 05, 2024 9:25:29 AM						-	

# n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					ø	Frequency	y • 5
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: F Trig: Free Ru	Power (RMS 1 2 8 4 5 6 M WW WW W P P P P P P P	Charles and the second	Frequency 1000000 GHz	Settings
Spectrum cale/Div 10 d	B	000000000000	Ref Level -20.0			Mkr1 36.67 GHz -67.48 dBm	Sv	10000 GHz vept Span ro Span	
							-	Full Span	
10.0 50.0							Start Fr 10.000	eq 0000000 GHz	
i0.0						1	Stop Fr 40.000	eq 000000 GHz	
		ca deter ad	s	ather tel din a thread	tone with all the first	Maylan payson of	-	JTO TUNE	
in a light of the	hilling and a start has	April and Approximation of the	代的时间的复数	div dente e relation e re	a nanada an ana a		CF Ste 3.0000	0 00000 GHz	
100							Au Ma		
110	_				_		Freq O 0 Hz	fset.	
tart 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Swee	Stop 40.00 GHz ep ~54.0 ms (1001 pts)	X Axis : Lo Li	g	Loca
5		P Dec 05, 2024 9:26:35 AM	0						

## n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					0	Frequency	1 .
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: P Trig: Free Ru	ower (RMS 1 2 8 4 5 6 M WW WW W P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	* 8		Ref Level -20.			Mkr1 37.00 GHz -67.10 dBm	Sw	0000 GHz ept Span to Span	
							F	ull Span	
0.0							Start Fr 10.000	eq 000000 GHz	
						1	Stop Fr 40.000	eq 000000 GHz	
			ي من التقل	and a harmition and the star	diamand	Million to Balandor to Aland		TO TUNE	
<b>Upphy Pal</b>	ing fronting tim	a standart generalista	White Walson A	No. 1101 Survey of the owner	and a second		CF Ster 3.0000	) 00000 GHz	
0.0							Au Ma		
110							Freq Of 0 Hz	lset	
tart 10.00 GH			#Video BW 3	0 MHz	Swee	Stop 40.00 GHz p ~54.0 ms (1001 pts)	X Axis S Lo Lir	9	Loca
15		2 Dec 05, 2024 9:27:37 AM							

# n77(78)(3700~3980 MHz)\_30 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+					0	Frequency	1 .
KEYSIGHT	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate: Off IF Gain: High Skg Track: Off	#Avg Type. I Trig: Free R	Power (RMS 1 2 8 4 5 0 M WW WW W P P P P P P		Frequency 1000000 GHz	Settings
Spectrum icale/Div 10 d	B		Ref Level -20.0			Mkr1 36.19 GHz -66.29 dBm	Sv	0000 GHz vept Span ro Span	
							-	Full Span	
10.0 50.0							Start Fr 10.000	req 1000000 GHz	
i0.0						1	Stop Fr 40.000	eq 000000 GHz	
		i natati a	hallo of a distance	1. มองโลยหนูปให้เป็นสินปิกที่มีไปเ	under all the work	nde af his statistical public and the	-	JTO TUNE	
10.0 UNANARIA	And the state of t	cillingur tilling horistikken	How we show a state of a	ukan sing ng kateropi			CF Ste 3.0000	0 00000 GHz	
100							Au Ma		
110							Freq O 0 Hz	fset	
tart 10.00 GH Res BW 1.0 N			#Video BW 3.	0 MHz	Swe	Stop 40.00 GHz ep ~54.0 ms (1001 pts)	X Axis : Lo Lir	g	Loca
5		2 Dec 05, 2024 9:28:45 AM	9			: 🔛 – 🗙			

## n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



wept SA	Internet Dr.		-	PNO Fast	#4 T D	- Touch and	¢	Frequency	
EYSIGHT	Coupling DG Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Powe Trig: Free Run	er (RMS <mark>123450</mark> M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.0		Mk	r1 38.35 GHz -66.63 dBm	- Sw	0000 GHz ept Span o Span	
								ull Span	
							Start Fre 10.000	eq 000000 GHz	
						.1-	Stop Fre 40.000	9 000000 GHz	
		olanapishimenahadhu	اللالال المادية	alisatiline analatrade NA	kan ta iku katiku ku ku	un discharged and a straight of the straight o		TO TUNE	
0.0 Milling	all have been all the second	state and a state of the state	AN AV HISTORY AND	kharatti siseshe danadi si	a particular second		CF Step 3.0000	00000 GHz	
100							Aut Ma		
110							Freq Off 0 Hz	set	
art 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Sweep -	Stop 40.00 GHz -54.0 ms (1001 pts)	X Axis S Log Lin		Loc
5	200	Pice 05, 2024							

## n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	t					\$	Frequency	* 3
	Input RF Coupling DG 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	r (RMS 1 2 3 4 5 0 M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	¥ B	Carl and the second	Ref Level -20.0		Mkı	1 36.40 GHz -66.09 dBm	Sw	0000 GHz rept Span ro Span	
							F	full Span	
i0.0							Start Fr 10.000	eq 000000 GHz	
						•1	Stop Fr 40.000	eq 000000 GHz	
			dan d	การสมาคริสตรรษณ์	فالديدة الحرب باراد	WHITE WAR	AL	ITO TUNE	
	when in the horizontal the	an the second second	tedan der skiller skil	hatpedialaliteration	leffe bil tersterni tariodue .		CF Ster 3.0000 Au Ma	00000 GHz to	
110							Freq Of 0 Hz	fset	-
tart 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Sweep ~	Stop 40.00 GHz 54.0 ms (1001 pts)		g	Loca
150	212	Dec 05, 2024 9:30:55 AM						-	

# n77(78)(3700~3980 MHz)\_40 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA		+		-		ø	Frequency	1 1 5
EYSIGHT	Input RF Coupling DC Align Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Power (RMS 1 2 3 4 5 0 Trig: Free Run M WW WW W P P P P P P		Frequency 0000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.0		Mkr1 36.13 GHz -67.01 dBm	Sv	00000 GHz vept Span ro Span	
							Full Span	
10.0 50.0						Start Fi 10.000	req 0000000 GHz	
i0.0					1	Stop Fr 40.000	eq 0000000 GHz	
	akans 1		. i.i.a.ii ahaanii	honduration	ngelin sin hading son and real dimension of the		JTO TUNE	
10.0 Harlinde	legis mentury	WEW Measuration	Walk all sound as	the state date of		CF Ste 3.0000	p 000000 GHz	
100						AL Ma		
110						Freq O 0 Hz	lfset	
tart 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)		g	Loc
15	2	? Dec 05, 2024 9:32:03 AM					700	

# n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analyzer 1 Swep! SA	* +				Ċ	Frequency	× • 5
EYSIGHT Input L Align	ing DG Corr CCorr	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High Sig Track Off	#Avg Type: Power (RMS 1 2 8 4 5 6 Trig: Free Run M WW WW W P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	•	Ref Level -20.00		Mkr1 38.92 GHz -66.69 dBm	Sw	0000 GHz rept Span ro Span	
					F	full Span	
10.0 50.0					Start Fr 10.000	eq 000000 GHz	
60.0					Stop Fr 40.000	eq 000000 GHz	
	and a shirth	his and Milling	where had been a had be	angen over her her transformet den stad die ge		ITO TUNE	
and an and a start of the second second	and a superior of the superior	der offen Ander anderen ander			CF Step 3.0000	9 00000 GHz	
100					Au Ma		
110					Freq Of 0 Hz	fset	
tart 10.00 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)	X Axis S Lo Lir	g	Loc
50	Dec 05, 2024 9:33:11 AM	ø				1000 	

## n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1 💡	+				ø	Frequency	
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Power (RMS 1 2 3 4 5 1 Trig: Free Run M WW WW P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 di	B		Ref Level -20.0		Mkr1 38.35 GH; -66.95 dBn	Sw	0000 GHz rept Span ro Span	
						F	ull Span	
10.0 50.0						Start Fr 10.000	eq 000000 GHz	
i0.0					1-	Stop Fr 40.000	eq 000000 GHz	
	ad	an annan k	al discosts a fide	Juninhanskaldendameri	hydrostopentropice/shidebaartakie		ITO TUNE	
so o Mathematic	yhhranthatha	photos and a second s	Alderahi Juda angan at	the week a set to the test		CF Ster 3.0000	) 00000 GHz	
100						Au Ma		
110						Freq Of 0 Hz	lset	
tart 10.00 GH; Res BW 1.0 M			#Video BW 3.0	0 MHz	Stop 40.00 GH Sweep ~54.0 ms (1001 pts		g	Loca
5		2 Dec 05, 2024 9:34:14 AM	9					

# n77(78)(3700~3980 MHz)\_50 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy. Swept SA	zer 1 💡	÷					0	Frequency	1 1 3
	Input: RF Compling: 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 1 2 3 4 5 0 M WW WW W P P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dt	3		Ref Level -20.0			38.44 GHz 66.60 dBm	Sw	0000 GHz ept Span ro Span	
							F	ull Span	
10.0 50.0							Start Fr 10.000	eq 000000 GHz	
50.Q						1-	Stop Fr 40.000	eq 000000 GHz	
				anath with the Andre	eddad www.al. Alternatives	partital partition of		TO TUNE	
10.0 Martin Villa	AN AND AND	international second	(YHTARTOPI, Advantage	Manashtaduse. C.	AND DECK. ALL ON ALL CON		CF Step 3.0000	) 00000 GHz	
100							Au Ma		
110						_	Freq Of 0 Hz	lset	
tart 10.00 GHz Res BW 1.0 M			#Video BW 3.	0 MHz		top 40.00 GHz ms (1001 pts)		9	Loca
50		? Dec 05, 2024 9:35:22 AM							

## n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	÷					\$	Frequency	* 5
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Power (RMS 1 2 3 Trig: Free Run M WW P P P	www	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.0	0 dBm	Mkr1 36.19 -67.01 (		Sw	0000 GHz ept Span o Span	
						-	F	ull Span	
i0.0							Start Fr 10.000	eq 000000 GHz	
0.0 0.0							Stop Fre 40.000	eq 000000 GHz	
	1	a directo		(House have controlly	straith produce this part of the cost have	history.	1.1	TO TUNE	
NIN W	abultinoirenra	high the second s	UNA MULTURE	e concertition al forma de la	and all all and a second		CF Step 3.0000	00000 GHz	
100							Au Ma		
110						_	Freq Of 0 Hz	set	
tart 10.00 GH Res BW 1.0 M			#Video BW 3.0	MHz	Stop 40.0 Sweep ~54.0 ms (100		X Axis S Loj Lin	3	Loca
15	2	Dec 05, 2024 9:36:29 AM				X			

## n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1 🗸	+					0	Frequency	
	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: F Trig: Free Ru	Power (RMS 1 2 8 4 5 6 M WW WW W P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B	1000010480000	Ref Level -20.			Mkr1 38.41 GHz -66.96 dBm	Sw	0000 GHz rept Span ro Span	
							F	ull Span	
10.0 50.0							Start Fr 10.000	eq 000000 GHz	
50.ŭ						1	Stop Fr 40.000	eq 000000 GHz	
				i Anth Manadatakovati (*	haveledeletere	alifeena" indernitikuinnaa	-	ITO TUNE	
N/WWA	in the second	144 ANALANA ANALANA ANALAN	in a find the second	tioner and distants in t			CF Ster 3.0000	) 00000 GHz	
100							Au Ma		
110							Freq Of 0 Hz	fset	
tart 10.00 GH Res BW 1.0 M			#Video BW 3	.0 MHz	Swee	Stop 40.00 GHz ap ~54.0 ms (1001 pts)	X Axis S Lo Lir	g	Loca
15		? Dec 05, 2024 9:37:31 AM							

# n77(78)(3700~3980 MHz)\_60 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analyze Swept SA	rt •	+					\$	Frequency	1 + 5
	put RF pupling 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: Po Trig: Free Rui	0 Wer (RMS 1 2 3 4 5 6 M WW WW W P P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	1		Ref Level -20.0		N	/kr1 36.70 GHz -66.57 dBm	= Sv	0000 GHz rept Span ro Span	
								uli Span	
10.0 50.0							Start Fi 10.000	eq 000000 GHz	
50.0							Stop Fr 40.000	eq 000000 GHz	
			an at sample first	halasada tarastatik	andanushinkanista	ukuakalaahinaaninaanink		ITO TUNE	
Up Areand App	AL ALIST IN AL	the state of the s	Marth Maddan 1 1 1 2 2 2	second by and the sec	-Users free		CF Ste 3.0000	o 00000 GHz	
100							Au Ma		
110							Freq O 0 Hz	fset	-
tart 10.00 GHz Res BW 1.0 MHz	2		#Video BW 3.0	) MHz	Swee	Stop 40.00 GHz p ~54.0 ms (1001 pts)	X Axis : Lo Lir	g	Loca
150		Dec 05, 2024 9:38:42 AM	9						

# n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



	Input RF Coupling DC Align Auto	Input Z: 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	S 1 2 3 4 3 6 MWWWWW PPPPPP		Frequency 000000 GHz	Settings
7 Spectrum cale/Div 10 dl	3	NFE Adaptive	Ref Level -20.00	Sig Track Off		36.61 GHz 7.41 dBm	Sw	0000 GHz ept Span o Span	
						-		ull Span	
							Start Fre 10.000	eq 000000 GHz	
0.0 0.0							Stop Fre 40.0000	eq 000000 GHz	
				titu a na mada a	Lik da some hostilarhikkoli	MANN ANA	AU	TO TUNE	
0.0 0.0 00	ligh ann an	tao William Andrew March Ma	ajita, tanganan ja	Mandaran de Chananana	YMuynariwy/w <sup>yshin</sup>		CF Step 3.00000 Aut Ma	00000 GHz o	
110							Freq Off 0 Hz	set	
art 10.00 GH; Res BW 1.0 M			#Video BW 3.0	MHz		top 40.00 GHz ms (1001 pts)	X Axis S Log Lin		LO
15		Dec 05, 2024 9:39:50 AM							

## n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analyze Swept SA	ert v -	2					Ö.	Frequency	1 .
	iput RF oupling DG Jign Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Pow Trig: Free Run	rer (RMS 1 2 3 4 5 0 M WW WW W P P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	1		Ref Level -20.0		MI	kr1 36.43 GHz -66.02 dBm	Sw	0000 GHz ept Span ro Span	
							F	ull Span	
0.0							Start Fr 10.000	eq 000000 GHz	
							Stop Fr 40.000	eq 000000 GHz	
		t brites	k ka dana tikuda	A MEAN A RAMAN MARK	halled the stated of	www.hollonia.utw	-	TO TUNE	
and Marketing	的的动物的	u, iliyoo, falaalia ah ya ta	MARCH HARSON	r fran hitalefta fu se sa	MINUTE OF STREET		CF Step 3.0000	) 00000 GHz	
0.0							Au Ma		
110							Freq Of 0 Hz	lset	-
art 10.00 GHz Res BW 1.0 MH	Iz		#Video BW 3.0	) MHz	Sweep	Stop 40.00 GHz ~54.0 ms (1001 pts)	X Axis S Lo Lir	9	Loc
150	2 2 ?	Dec 05, 2024 9:40:55 AM							

# n77(78)(3700~3980 MHz)\_70 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analyz Swept SA		+				\$	Frequency	y • 5
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 Trig: Free Run M WW W P P P P	WW 25.0	r Frequency 00000000 GHz	Settings
Spectrum cale/Div 10 dE	¥ 3		Ref Level -20.0		Mkr1 35.80 0 -67.03 d	Hz 30,0 Bm s	000000 GHz Swept Span Zero Span	
							Full Span	
10.0 50.0						Start 10.0	Freq 00000000 GHz	
60.Q					1	Concernant of the local division of the loca	Freq 00000000 GHz	
10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		i dan badim ku Minanit	angevity period by at	and the second	a said for a s-a said distinct that	CF S		
	Maril II	the party of the second se					0000000 GHz Auto Man	
110						0 Hz	Offset	-
tart 10.00 GHz Res BW 1.0 M			#Video BW 3.	0 MHz	Stop 40.00 Sweep ~54.0 ms (1001	GHZ	s Scale .og .in	Loc
50	9 -	? Dec 05, 2024 9:42:04 AM					700	

### n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analy Swept SA	zer 1	+				¢	Frequency	
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 (RMS 1 2 3 4 5 0 Trig: Free Run MWW WWW PPPPPP	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Level -20.0		Mkr1 39.76 GH2 -67.08 dBm	Sv	10000 GHz vept Span ro Span	
							Full Span	
10.0 50.0						Start Fi 10.000	eq 0000000 GHz	
i0.0						Stop Fr 40.000	eq 000000 GHz	
				n din Diramati	we all the well all all and the back of	AL	JTO TUNE	
	eget MARMontene	Nanaharahishahishah		vrodanoviči judinalna	ledyshernenlichvilattantrianenhiat		00000 GHz	
100						Au Ma		
110						Freq O 0 Hz	fset	-
tart 10.00 GH Res BW 1.0 M			#Video BW 3.	0 MHz	Stop 40.00 GH Sweep ~54.0 ms (1001 pts		g	Loc
5		? Dec 05, 2024 9:43:13 AM					1000 11	

#### n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analyz Swept SA	zer 1 🕴	+					Ċ	Frequency	
	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 (RI Trig: Free Run	MS 1 2 3 4 5 6 M WW WW W P P P P P P		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dE			Ref Level -20.0			38.47 GHz 66.78 dBm	Sw	0000 GHz rept Span ro Span	
							F	full Span	
0.0							Start Fr 10.000	eq 000000 GHz	
						<u>1</u>	Stop Fr 40.000	eq 000000 GHz	
0.0 0.0 0.0 0.0 0.0	hympilipilitetener	yllurritation innerval	yyladyddydyn	adelant. Udalaatsian	ANANYANA ANAN'NY	torning.Historia	CF Ste	00000 GHz to	
110							Freq Of 0 Hz		
art 10.00 GHz Res BW 1.0 M			#Video BW 3.0	MHz		Stop 40.00 GHz ms (1001 pts)	X Axis S Lo Lir	g	Loo
50	306	Dec 05, 2024 9:44:18 AM							

# n77(78)(3700~3980 MHz)\_80 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



	iput: RF oupling: DC lign: Auto	Input Z: 50 Q Corr CCorr Freq Ref: Int (S)	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High	#Avg Type: Power (RMS Trig: Free Run	M WW WW W		Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	•	NFE Adaptive	Ref Level -20.00	Sig Track Off		6.58 GHz 5.76 dBm	= Sw	0000 GHz ept Span o Span	
							F	ull Span	
10.0 50.0							Start Fre 10.000	eq 000000 GHz	
50.0						1	Stop Fre 40.000	9 000000 GHz	
		1	illing to knick	anthat an e shite	adout the law with	literated the same	AU	TO TUNE	
	entertrately	len-ille (Misteriet Ander	(important)	And the state of the lot of the l	antorior water and		CF Step 3.0000 Aut	00000 GHz	
100							Ma Ma	n	
-110							Freq Off 0 Hz	set	-
tart 10.00 GHz Res BW 1.0 MH	z		#Video BW 3.0	MHz	Sweep ~54.0 r	op 40.00 GHz ns (1001 pts)			LO
50		Dec 05, 2024 9:45:27 AM	Ð						

## n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



Spectrum Analyz Swept SA	zer 1 🔻	+					Ö	Frequency	
	Input RF Compling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High Sig Track Off	#Avg Type: I Trig: Free Ri	Power (RMS 1 2 8 4 5 0 M WW WW W P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dE	3		Ref Level -20.0			Mkr1 35.29 GHz -67.76 dBm	Sw	0000 GHz rept Span ro Span	
							F	ull Span	
10.0 50.0							Start Fr 10.000	eq 000000 GHz	
60.Q						<u>_1</u>	and a second	eq 000000 GHz	
0.0	a stand in	a statistica ma	intertition for a star	Analtalytedhile	dy is highly highly highly	ada lamad saptionad	AL	TO TUNE	
a o Weight	hipphilipping	UPINA CHRONOMA NULV	and the rate of the o	L MARKED A			CF Step 3.0000	00000 GHz	
100							Au Ma		
110							Freq Of 0 Hz	lset	-
tart 10.00 GHz Res BW 1.0 M			#Video BW 3.	0 MHz	Swe	Stop 40.00 GHz ep ~54.0 ms (1001 pts)	X Axis S Lo Lir	g	Loc
150		Pi46:36 AM							

## n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analyze Swept SA	rt •	÷					Ö	Frequency	
	put RF pupling DC ign Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten: 0 dB Preamp Off	PNO Fast Gate Off IF Gain High Sig Track Off	#Avg Type: Power (RMS Trig: Free Run	123450 MWWWWW PPPPP	Charlen and	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB	*		Ref Level -20.0			7.00 GHz 6.50 dBm	Sw	0000 GHz ept Span o Span	
							F	ull Span	
i0.0							Start Fr 10.000	eq 000000 GHz	
i0.0						1	Stop Fr 40.000	eq 000000 GHz	
			Doctoria	athalachiste same	New publican production of the	Anathination		TO TUNE	
NU WINAN	(a) takin mini hi	Martin and a start	Alalan an a	died fan sekteringendered aan	Edit d and a list		CF Step 3.0000	00000 GHz	
100							Au Ma		
110							Freq Of 0 Hz	lset	-
tart 10.00 GHz Res BW 1.0 MHz	2		#Video BW 3.	0 MHz	Sto Sweep ~54.0 m	op 40.00 GHz ns (1001 pts)	X Axis S Lo Lir	3	Loc
150		Dec 05, 2024 9:47:40 AM	0					200 	

# n77(78)(3700~3980 MHz)\_90 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA	vzer 1	3					Ö	Frequency	1 1 3
	Input RF Coupling DC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain High Sig Track Off	#Avg Type: Power Trig: Free Run	(RMS 1 2 8 4 5 0 M WW WW W P P P P P P P	25.000	requency 000000 GHz	Settings
Spectrum cate/Div 10 d	¥ IB		Ref Level -20.00	) dBm	Mkr	1 37.51 GHz -66.51 dBm	Sw	0000 GHz ept Span o Span	
							F	ull Span	
0.0							Start Fre	q 000000 GHz	
0.0 0.0							Stop Fre 40.0000	9 000000 GHz	
		and the state of the	. I	while the set on 11 bar	a and distances with	-		TO TUNE	
0.0 What when	MARCHMAN	kan bandhan han an a	MANNAUTICASA	a	high and a second second second		CF Step 3.00000	00000 GHz	
100							Aut Ma		
110							Freq Off 0 Hz	set	-
tart 10.00 GH Res BW 1.0 M			#Video BW 3.0	MHz	Sweep ~5	Stop 40.00 GHz 4.0 ms (1001 pts)	X Axis S Log Lin		Loc
15	C* 1 ?	Dec 05, 2024 9:48:50 AM	)					000 111	

### n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB



pectrum Analy wept SA	zer 1	÷				Ċ.	Frequency	•
	Input RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS 12 8 4 5 0 Trig: Free Run M WW WW W P P P P P P	25.000	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 d	B	and all that to us	Ref Level -20.0		Mkr1 38.38 GHz -66.23 dBm	Sw	0000 GHz ept Span ro Span	
						F	ull Span	
0.0						Start Fr 10.000	eq 000000 GHz	
					1-	Stop Fr 40.000	eq 000000 GHz	
		a) for the state		Internet standardista	hogioningretuopinnikairekandarian		TO TUNE	
O.O Willow booth	Malada Mark 1944		AND	Ann an an air an Ann Ann Ann Ann Ann Ann Ann Ann Ann		CF Step 3.0000	) 00000 GHz	
a a						Au Ma		
110						Freq Of 0 Hz	lset	-
art 10.00 GH Res BW 1.0 M			#Video BW 3.0	MHz	Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)		9	Loc
5		Dec 05, 2024 9:49:59 AM					-	

### n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB



Spectrum Analyz Swept SA	er 1 🔹	+					¢	Frequency	( * 器
	nput RF Coupling DC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 0 dB Preamp Off	PNO Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Pow Trig: Free Run	er (RMS <mark>123450</mark> M www.ww P P P P P P P		Frequency 1000000 GHz	Settings
Spectrum icale/Div 10 dB	*		Ref Level -20.0		M	(r1 36.85 GHz -67.71 dBm	= Sv	0000 GHz vept Span ro Span	
								Full Span	
10.0 50.0							Start Fr 10.000	req 1000000 GHz	
60.Q						1	Stop Fr 40.000	eq 1000000 GHz	
			المراجعة المراجع	as d. S. Nakada Istanali Ma	and a magnetic light	eyddolwr didynol oniog	AL	JTO TUNE	
NO WAYNAM	h) Allow the two	No family the state strategy and	Manual Anna an Inde	l tiberat unitalitation da ca	di M. Waller et al.		CF Ste 3.0000	0 00000 GHz	
100							Au Ma		
110							Freq O 0 Hz	fset	
tart 10.00 GHz Res BW 1.0 M			#Video BW 3.0	0 MHz	Sweep	Stop 40.00 GHz ~54.0 ms (1001 pts)	X Axis : Lo	g	Loca
50	9 🗌 🕯	Dec 05, 2024 9:51:03 AM	0						

# n77(78)(3700~3980 MHz)\_100 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB



Spectrum Analy Swept SA KEYSIGHT		H Input Z: 50 Ω Corr CCorr	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off	#Avg Type: Pr Trig: Free Ru	ower (RMS <mark>12345</mark>	Meas Se Avg Hold Number	stup •
RL ++- DO 1 Spectrum	Align Auto	Freq Ref. Int (S) NFE Adaptive	Ref Lvi Offset 36.	IF Gain Low Sig Track Off	Mkr1	3.699 116 GHz	Avg Type	Límits
cale/Div 10 d	В		Ref Level 36.52 d			-25.005 dBm	Auto Man	Meas Standard
26.5							K Meas Setup Summary Table	Legacy Compat
16.5						RMS	Auto Couple	Advanced
3 48				1		RMS	Meas Preset	Global
13.5				and the second second		DL1-13 00 dBm		
23.5	N.	1	i in the second seco	TANKING				
33.5	Manager Banager Banager			(III) (Areas				
43.5								
								Loca
enter 3.70000 Res BW 360 P			#Video BW 1.2	MHz	#Swi	Span 4.000 MH; eep ~1.01 s (1001 pts		
5		? Nov 06, 2024 10:42:15 AM	Ø					

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_FullRB(1)



Swept SA		+ Input 2: 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 dB Preamp Off	PNO E Gate C IF Gain Sig Tra	Low	#Avg Type: F Trig: Free RL	Power (RMS IN	<b>12345</b>	Avg Hol 20	Meas Sett d Number	Settings
o Spectrum cale/Div 10 d	¥ B	INFE AGADINE	Ref LvI Offset 3 Ref Level 36.52	6.52 dB	CK On	Mkr		992 GHz 961 dBm	Avg Typ Power Au Ma	(RMS)	Limits Meas Standard
26.5									/ Me	as Sétup mary Table	Legacy Compat
16.5									Au	to Couple	Advanced
5.52									Me	as Preset	Global
13.5					WHINN		NYWWWWWW	0L1-13.00 dBm			
23.5				1 Valt <sup>ielle</sup> llet	WHUN.		Mun	HINING STREET			
			- WIRNING WIND								
13.5	in the manufacture with the	nannaliminnan an Cal	And a second								
53.5 <b>Manufan</b> ina	and the a part of the	nannallanann manna <sup>nn</sup> .									Loca
enter 3.70000 Res BW 30 kH			#Video BW 1	00 kHz		#Sw		an 4.000 MHz s (1001 pts)			LOCA
15	an	Nov 06, 2024 10:43:58 AM	$\odot$								

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_1RB(1)



Spectrum Analyz Swept SA	ter 1	+						Ö	Meas Set	up 🔻 👬
· · · · · · · · · · · · · · · · · · ·	nput RF Coupling DC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 dB Preamp Off	PNO. Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Tng: Free Run	wer (RMS	12345 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
v Spectrum icale/Div 10 dE	*		Ref LvI Offset 36 Ref Level 36.52 c	.52 dB	Mkr1		592 GHz 570 dBm	Avg Tyj Power Au Ma	(RMS) to	Limits Meas Standard
26.5								/ M	as Setup mary Table	Legacy Compat
16.5								A	ito Couple	Advanced
52								M	as Preset	Global
13.5							0£1-13.00 dBm			
3.5	Manamila	ngtergeneret tettellijlig		MIN REALIZED AND AND AND AND AND AND AND AND AND AN	with the constitution of the second	man lit				
13.5		All								
										Loca
tart 3.695000 0 Res BW 510 kl			#Video BW 2.0	MHz	#Swe		.699000 GHz s (1001 pts)			
150		? Nov 06, 2024 10:42:48 AM	9							

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_FullRB(2)



Spectrum Analy Swept SA KEYSIGHT RL		+ Input Z: 50 Ω Corr CCorr Freq Ref. Int (S)	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low	#Avg Type: Pr Trig: Free Rui	AWWWWW	Avg Hold Number 20	Settings
Spectrum Scale/Div 10 d	B	NFE: Adaptive	Ref Lvi Offset 36. Ref Level 36.52 d		Mkr1	3.698 992 GHz -33.357 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
26.5							Meas Setup Summary Table	Legacy Compat
16.5							Auto Couple	Advanced
5,52							Meas Preset	Global
13.5						i)Li -11.00 dBm		
3.5						"1		
13.5 WWWWWW				a financia and a sub-				
								Loca
tart 3.695000 Res BW 510 k			#Video BW 2.0	MHz	#Swe	Stop 3.699000 GHz ep ~1.01 s (1001 pts)		
5		Nov 06, 2024 10:44:31 AM	9					

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_1RB(2)



Spectrum Analy Swept SA	zer 1	+					Ö	Meas Set	10 T 💥
KEYSIGHT RL	Input RF Coupling DG Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO:Fast Gate:Off IF Gain:Low Sig Track:Off	#Avg Type: F Trig: Free RL	Power (RMS12345 IN A WWWW A A A A A	20 A	old Nümber	Settings
1 Spectrum Scale/Div 10 d	B		Ref LvI Offset 36 Ref Level 36.52 d	.52 dB	Mkr	3.692 855 GH -27.362 dB	1 one	r (RMS)	Limits Meas Standard
26.5								leas Setup mmary Table	Legacy Compat
16.5							A	uto Couple	Advanced
6,52							N	leas Preset	Global
3.48						E)L-1 -13.00 d	3m		
23.5						R	2		
43.5						allight worth work and			
53.6						all <sup>er</sup> "			
Start 3.50000 0			#Video BW 3.0	MHz	#5	Stop 3.69500 G weep 1.00 s (1001 p			Local
15	C D	Nov 06, 2024 10:43:22 AM	D				7		

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_FullRB(3)



		+ Input 2:50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten 14 dB Preamp Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>12345)</mark> A WWWWW A A A A A A	Meas Se Avg Hold Number 20	Settings
Spectrum icale/Div 10 dl	3	and the prosterior of	Ref LvI Offset 36 Ref Level 36.52 d	.52 dB	Mkr1	3.683 105 GHz -33.707 dBm	Avg Type Power (RMS) Auto Man	Meas Standard
26 5							K Meas Setup Summary Table	Legacy Compat
16.5							Auto Couple	Advanced
5,52							Meas Preset	Global
13.5						ÐL1 -13 00 d⊟m		
23.5						1.84€		
43.5						- A Au		
53.6						Lawy		
tart 3.50000 G Res BW 1.0 M			#Video BW 3.0	MHz	#Sw	Stop 3.69500 GHz eep 1.00 s (1001 pts)		Loca
50		Nov 06, 2024 10:45:03 AM	0			N X		

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_Low\_BPSK\_1RB(3)



Spectrum Analyzer 1 , Swept SA	+						ø	Meas Set	n 🔹 👬
KEYSIGHT Input RF Coupling BC Align Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gam Low Sig Track: Off	#Avg Type: P Trig: Free Ru	n i	1 2 3 4 5 AWWWWW A A A A A A A	Avg Ho 20	ld Number	Settings
Spectrum T Scale/Div 10 dB		Ref LvI Offset 36. Ref Level 36.52 d	.52 dB	Mkr	1 3.98	0 00 GHz 931 dBm	Avg Tyj Power Au Ma	(RMS)	Limits Meas Standard
26 5							/ M	eas Setup nmary Table	Legacy Compat
t6.5							A	Ito Couple	Advanced
9.52 <b>илиминининининини</b> нин	han an a	Nr.					M	as Preset	Global
13.5		1				BL1-13.00 dBm			
23.5		Annone 1							
		" Provining and		in an	Dechrieten	ans Maninalianan			
53.6									
Center 3.980000 GHz Res BW 360 kHz		#Video BW 1.2	MHz	#Sw		n 10.00 MHz s (1001 pts)			Local
	? Nov 06, 2024 10:50:51 AM	0			-				

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_FullRB(1)



Spectrum Analy Swept SA	zer 1 🕴	÷		a de la			Meas Set	tup 🔻 👯
	Input RF Coupling BC Align Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Rur	Wer (RMS 1 2 3 4 5 A W W W W A A A A A A A	Avg Hold Number 20	Settings
v Spectrum icale/Div 10 dl	B		Ref LvI Offset 36 Ref Level 36.52	.52 dB	Mkr	1 3.980 02 GHz -25.318 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
26.5							K Meas Setup Summary Table	Legacy Compat
16.5			Nim				Auto Couple	Advanced
52							Meas Preset	Global
13.5						i)(.i -13.00 dBm		
23.5		ļ	1					
		1						
\$3.5 53.6	Land	med		Julianian Branker Ber	Neriaranaidenautra	allower and a second		
enter 3.98000			#Video BW 100			Span 10.00 MHz		Loca
Res BW 30 kH			HAIGEO DIA 100	NH2	#Swe	ep ~1.01 s (1001 pts)		
5		? Nov 06, 2024 10:52:35 AM	9					

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_1RB(1)



Spectrum Analy Swept SA	izer 1	+						Ö	Meas Set	up v 👬
KEYSIGHT	Input_RF Coupling_DC Align_Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Tng: Free Run		1 2 3 4 5 AWWWWW AAAAAA	Avg Ho 20	d Number	Settings
Spectrum cale/Div 10 d	r B	and a possible of	Ref LvI Offset 36 Ref Level 36.52 d	.52 dB	Mkr1	3.981	360 GHz 991 dBm	Avg Typ Power Au Ma	(RMS) to	Limits Meas Standard
26.5								/ Me	as Sétup mary Table	Legacy Compat
16.5								A	ito Couple	Advanced
,52								M	as Preset	Global
13.5							01.1-13.00 dBm			
23.5	1	Without and a second					PHAS			
3.5		unnananan ann an ann an an an an an an an		****************	<del>etsiau contraveny</del>	montante	Augustan Ma			
										Loca
tart 3.981000 Res BW 510 I			#Video BW 2.0	MHz	#Swe		.985000 GHz s (1001 pts)			Loca
15	C	Nov 06, 2024 10:51:24 AM	9							

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_FullRB(2)



Spectrum Analy Swept SA	zer 1	+						Ö	Meas Set	up v 👯
	Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: F Tng: Free RL	Power (RMS In	12345 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
M Spectrum Scale/Div 10 d	r B	and the product of the	Ref Lvi Offset 36. Ref Level 36.52 d	.52 dB	Mkr		092 GHz 263 dBm	Avg Tyj Power Au Ma	(RMS)	Limits Meas Standard
26.5								/ M	eas Setup nmary Table	Legacy Compat
16.5								A	Ito Couple	Advanced
5,52								M	as Preset	Global
13.5							ĐLi-13.00 dBm			
13 5										
13.5	hohumumumeilee	unumikamanahasinana	duntaenadeniministatude	anyanahan manahaanaa	utenisandusuna	homenik	GMS WWWYWWWWW			
										Loca
tart 3.981000 Res BW 510 I			#Video BW 2.0	MHz	#Sw		.985000 GHz s (1001 pts)			
5		? Nov 06, 2024 10:53:08 AM	Ø							

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_1RB(2)



Spectrum Analy Swept SA KEYSIGHT		HINDUL Z: 50 Ω Corr CCorr	#Atten 14 dB Preamp Off	PNO Fast Gate Off	#Avg Type: P Trig: Free Ru				Meas Sett d Number	Settings
RL	Align Auto	Freq Ret: Int (S) NFE: Adaptive	Transfer and	IF Gain Low Sig Track: Off		· •	AAAAA	20	a name i de la	
Spectrum Scale/Div 10 d	B		Ref LvI Offset 36 Ref Level 36.52 (		Mkr	1 3.985 -30.4	23 GHz 70 dBm	Avg Typ Power Aut Ma	(RMS)	Limits Meas Standard
26.5									as Setup mary Table	Legacy Compat
16.5								Au	to Couple	Advanced
5,52								Me	as Preset	Global
13.5						Đ	Li -13.00 dBm			
23 5 1 73 5 When which	and an and a second									
3.5	AMMine who	ha <sup>llill</sup> ill <sup>i</sup> llegillilli <mark>h</mark> eisenettyyn	สีบบเป็นก่อมหน้าแรกและส	anayahaanahamaya	udaterrootalot	Mitelsbergeteben	RMS-			
										Loca
tart 3.98500 C Res BW 1.0 N			#Video BW 3.0	MHz	#5	Stop 4. weep 1.00 s	10000 GHz (1001 pts)			
15		<b>?</b> Nov 06, 2024 10:51:57 AM	Ø			-	X			

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_FullRB(3)



Spectrum Analy Swept SA	zer 1	ŧ					0	Meas Setu	10 T 💥
KEYSIGHT	Input_RF Coupling_BC Align_Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Otf	PNO Fast Gate Off IF Gain Low Sig Track Off	#Avg Type: P Trig: Free Ru	ower (RMS 1 2 3 4 5 1 A WWWWW A A A A A A	20	ld Number	Settings
Spectrum Scale/Div 10 d	r B		Ref LvI Offset 36 Ref Level 36.52 c		Mkr	1 3.985 23 GHz -39.611 dBm	1 offici	(RMS) to	Limits Meas Standard
26.5								eas Sétup Imary Table	Legacy Compat
16,5							A	ito Couple	Advanced
6,52							M	as Preset	Global
3 48 13 5						ĐLI-13.00 dĐm			
23.5									
33.5 1 43.5 MMan									
43.5 W 40000						RMS			
tart 3.98500 ( Res BW 1.0 N			#Video BW 3.0	MHz	#S1	Stop 4.10000 GHz weep 1.00 s (1001 pts)			Local
15	201	Nov 06, 2024 10:53:41 AM	0						

#### n77(78)(3700~3980 MHz)\_20 M\_Band Edge\_High\_BPSK\_1RB(3)



	Input Z: 50 Ω #Atten: 14 dB Corr CCorr Preamp Off	PNO. Best Wide Gate: Off	#Avg Type: Powe Trig: Free Run	r (RMS <mark>1 2 3 4 5 6</mark>	Avg Hold Numb	as Setup v
Align Auto	Freq Ref. Int (S) NFE: Adaptive	IF Gain: Low Sig Track: Off	ing: Hee Run	AAAAAA	20	Octanga,
Spectrum v cale/Div 10 dB	Ref LvI Offset Ref Level 36.5		Mkr1 3	.698 288 GHz -25.157 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
6.5					Meas Setu Summary Ta	
6.5				RMS	Auto Coup	Ne Advance
.52			att Bull Bull		Meas Pres	set Global
3.48		lln.		nu statop dom		
23.5						
3.5						
13.5	andered Mitra vite in Alexander with					
i3.5						
enter 3.700000 GHz Res BW 360 kHz	#Video BW 1	.2 MHz	#Sweep	Span 4.000 MHz ~1.01 s (1001 pts)		Loca
501?	Nov 06, 2024					

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_FullRB(1)



EYSIGHT	Input RF Coupling DG Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Powe Trig: Free Run	T (RMS 1 2 3 4 5 A WWWWW A A A A A A A	Avg Hold Number 20	Settings
Spectrum cale/Div 10 d	r B		Ref LvI Offset 36. Ref Level 36.52 d		Mkr1 3	.699 988 GHz -30.084 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
6.5							Meas Setup Summary Table	Legacy Compat
6.5					wanther		Auto Couple	Advanced
.52							Meas Preset	Global
13.5					1	DLI-13.00 delen		
3.5				and the second second		and the second second		
		لاستينان وسالانتقاد الطويسان	1					
13.6 mm	nam talan dering der anges ber	and a stand of the						Loca
enter 3.7000 Res BW 30 kl			#Video BW 100	kHz	#Sweep	Span 4.000 MHz ~1.01 s (1001 pts)		LOCA

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_1RB(1)



Spectrum Analy Swept SA	zer 1 🔻	+						ø	Meas Set	up v 👬
	Input RF Coupling DC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Tng: Free Run	wer (RMS	123455 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
Spectrum cale/Div 10 d	B	не мариче	Ref LvI Offset 36. Ref Level 36.52 d	52 dB	Mkr1		812 GHz 056 dBm	Avg Tyj Power Au Ma	(RMS) to	Limits Meas Standard
26.5								/ M	eas Setup nmary Table	Legacy Compat
16,5								At	ito Couple	Advanced
52								M	as Preset	Global
3.48							BL1 -13.00 dBm			
23.5							1.5			
			n na hAnna an			NA AN AN AN AN				
13.5	Wayawayan	and an		and a state of the						
tart 3.695000 Res BW 510 k			#Video BW 2.0	MHz	#Swe		.699000 GHz s (1001 pts)			Loca
5		? Nov 06, 2024 11:01:31 AM	9							

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_FullRB(2)



Swept SA KEYSIGHT		+ Input 2: 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten: 14 dB Preamp: Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pr Trig: Free Ru	ower (RMS 1 2 3 4 5 A A WW WW W A A A A A A	Meas Se Avg Hold Number 20	Settings
Spectrum cale/Div 10 d	¥ B	NEE Adaptive	Ref Lvi Offset 36. Ref Level 36.52 d	.52 dB	Mkr1	3.699 000 GHz -36.132 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
26.5							Meas Setup Summary Table	Legacy Compat
16.5							Auto Couple	Advanced
5,52							Meas Preset	Global
13.5						E)L 1 -13.00 dBm		
23.5						_1		
13.5 1	tomotinini internet		Mithilitic minimum see	ntranska kananana	an a	ernannannannannannannannannannannannannan		
tart 3.695000 Res BW 510 k			#Video BW 2.0	MHz	#Swi	Stop 3.699000 GHz eep ~1.01 s (1001 pts)		Loca
5		Nov 06, 2024 11:03:13 AM	$\bigcirc$					

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_1RB(2)



Spectrum Analy Swept SA	zer 1	+					Ö	Meas Setu	up 🔻 💥
KEYSIGHT	Input RF Coupling BC Align Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO:Fast Gate:Off IF Gain:Low Sig Track:Off	#Avg Type: F Trig: Free RL	Power (RMS 1 2 3 4 5 m A WW WW W A A A A A A	20	ld Number	Settings
Spectrum Scale/Div 10 d	F		Ref LvI Offset 36 Ref Level 36.52 d	.52 dB	Mkr	3.694 220 GHz -28.593 dBm	1 offici	(RMS)	Limits Meas Standard
26.5								eas Setup nmary Table	Legacy Compat
16.5							A	ito Couple	Advanced
6,52							M	eas Preset	Global
3 48						BL1 -13 00 dBm			
23.5									
43.5					6 40 B	AN AN MARK			
53.6					et-abellin WIN				
start 3.50000 0 Res BW 1.0 N			#Video BW 3.0	MHz	#5	Stop 3.69500 GHz weep 1.00 s (1001 pts)			Local
15	201	Nov 06, 2024 11:02:03 AM	9						

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_FullRB(3)



EYSIGHT Input RF Coupling BC Align Auto		#Atten 14 dB Preamp Off	PNO Fast Gate Off IF Gain Low Sig Track Off	#Avg Type: Pow Trig: Free Run	er (RMS <mark>12345)</mark> A WWWWW A A A A A A A	Avg Hold Number 20	Settings
Spectrum  cale/Div 10 dB og	Re	ef Lvi Offset 36. ef Level 36.52 d	52 dB	Mkr1 3	3.672 965 GHz -34.545 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
26.5						K Meas Setup Summary Table	Legacy Compat
16.5						Auto Couple	Advanced
5,52						Meas Preset	Global
13.5					i)(Li -13.00 dBm		
23.5					41		
13.5					AMS		
53.6	*****						
tart 3.50000 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz	#Swe	Stop 3.69500 GHz ep 1.00 s (1001 pts)		Loca

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_Low\_BPSK\_1RB(3)



Spectrum Analyzer 1	÷						0	Meas Set	up 🔹 💥
RL Align Auto		eamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: P Trig: Free Ru		12345 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
1 Spectrum v Scale/Div 10 dB Log	Ref L	_vI Offset 36.52 _evel 36.52 dBn	dB	Mki	1 3.98	0 01 GHz 397 dBm	Avg Tyj Power Au Ma	(RMS) to	Limits Meas Standard
26 5							/ M	as Setup mary Table	Legacy Compat
16.5							A	ito Couple	Advanced
6.52	annan an <sub>bha</sub>						M	as Preset	Global
13.5	N					E)L1 - 13.00 dBm			
23.5	3. Manuar	1							
43.5				WWWWWWWWWW		ana			
53.6									-
Center 3.980000 GHz Res BW 360 kHz	#Vi	ideo BW 1.2 MH	Iz	#Sw		n 10.00 MHz s (1001 pts)			Local
- 50 - 2	Nov 06, 2024								

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_FullRB(1)



Spectrum Analy Swept SA		+							0	Meas Set	up 🔻 👯
KEYSIGHT	Input RF Coupling DG Align Auto	Input Z Corr CC Freq Re NFE: At	orr E Int (S)	#Atten 14 d Preamp Off	Gate IF Gai		#Avg Type: I Trig: Free R	Power (RMS 1 2 3 4 5 )	20	ld Number	Settings
Spectrum Scale/Div 10 dl	¥			Ref Lvi Offse Ref Level 36.	t 36.52 dB	1	Mk	r1 3.980 01 GHz -31.825 dBm	- Circi	(RMS)	Limits Meas Standard
26 5										eas Sétup nmary Table	Legacy Compat
16.5			ſ	way					A	uto Couple	Advanced
3 48									M	eas Preset	Global
13.5			J.	4				Đ(∠i -13.00 d⊟m			
23.5		1	/	A PA	1						
		mont			1						
53.6 MAN	21	19 <b>1</b> °			mundan	MARRIAN AND	NY ARMY WINNING	Malindawarillandawalida Span 10.00 MHz			Loca
enter 3.98000 Res BW 30 kH				#Video BW	100 kHz		#Sv	Span 10.00 MHz veep ~1.01 s (1001 pts)			Loca
50		? Nov 06 11:11:	5, 2024 15 AM	0							

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_1RB(1)



Spectrum Analy Swept SA	rzer 1	+					¢	Meas Setu	ip 🔻 🕄
EYSIGHT	Input RF Coupling DC Align Auto	Input Z 50 Q Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS 1 2 3 4 5 A WW WW W A A A A A A	20	Number	Settings
Spectrum cale/Div 10 d	T B		Ref LvI Offset 36 Ref Level 36.52 d	.52 dB	Mkr1	3.981 176 GHz -34.042 dBm	Avg Type Power (	RMS)	Limits Meas Standard
26.5							/ Mea	as Setup nary Table	Legacy Compat
16.5							Auto	o Couple	Advanced
52							Mea	is Preset	Global
13.5						DL1 -13.00 dBm			
13 5						RMC			
13.5	******	Landa an	nen an	and and a state of the state of	1997 (1999) (1999) (1999)	nanoniamenterististististeneteritatee			
53.6									Loca
tart 3.981000 Res BW 510 I			#Video BW 2.0	MHz	#Swe	Stop 3.985000 GH ep ~1.01 s (1001 pts			
15	201	<b>Nov 06, 2024</b> 11:10:05 AM	9						

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_FullRB(2)



Spectrum Analy Swept SA KEYSIGHT		+ Input Z: 50 Ω Corr CCorr Freq Ret: Int (S)	#Atten: 14 dB Preamp: Off	PNO Best Wide Gate: Off IF Gain: Low	#Avg Type: Po Trig: Free Run	AWWWWW	Avg Hold Number 20	up v 🕺
x Spectrum Scale/Div 10 d	T B		Ref LvI Offset 36 Ref Level 36.52 d		Mkr1	3.981 036 GHz -35.483 dBm		Limits Meas Standard
26.5							K Meas Setup Summary Table	Legacy Compat
16.5							Auto Couple	Advanced
3 48							Meas Preset	Global
13.5						E)L1 -13.00 dBm		
13.5								
13 5 <b>14 14 14 14 14 14 14 14 14 14 14 14 14 1</b>	in parto of the state of the	unnanangetisterten	hal we have been stated on the	WWWWWWW		RMS กละสิทธิการการการการการการการการการการการการการก		
				remote Analysish	urnenninghbu	n yan yan yan yan yan yan yan yan yan ya		
tart 3.981000 Res BW 510 k			#Video BW 2.0	MHz	#Swe	Stop 3.985000 GHz ep ~1.01 s (1001 pts)		Loca
15	2	? Nov 06, 2024 11:11:48 AM	Ø					

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_1RB(2)



	Corr CCorr	Preamp Off t (S)	PNO Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Tng: Free Run	AWWWWW AAAAAA	Meas Séte Avg Hold Number 20	Settings
Spectrum cale/Div 10 dB	*	Ref Lvi Offset 36 Ref Level 36.52 d	.52 dB		86 15 GHz 2.107 dBm	Avg Type Power (RMS) Auto Man	Limits Meas Standard
26.5						K Meas Setup Summary Table	Legacy Compat
6.5						Auto Couple	Advanced
,52						Meas Preset	Global
13.5					Уi -13.00 d⊟m		
3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
	and start		Anishing and him	and the second secon	RMS		
53.6							Loca
art 3.98500 GHz Res BW 1.0 MHz		#Video BW 3.0	MHz		p 4.10000 GHz 00 s (1001 pts)		

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_FullRB(3)



Spectrum Analy Swept SA		÷		A. Con			¢	Meas Set	n 🖌 🚽
KEYSIGHT	Input RF Coupling BC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pr Trig: Free Rui	ower (RMS 1 2 3 4 5 ) A WW WW W A A A A A A	20	ld Number	Settings
Spectrum cale/Div 10 d	¥ B		Ref LvI Offset 36 Ref Level 36,52 d		Mkr	1 4.006 74 GHz -41.103 dBm	I Offici	(RMS)	Limits Meas Standard
26.5								eas Sétup nmary Table	Legacy Compat
16.5							A	ito Couple	Advanced
3 48							M	as Preset	Global
13.5						igi£i -13.00 dBm			
23.5									
43.5 a	21					RMS			
53.6 Muhit	th								
tart 3.98500 C Res BW 1.0 N			#Video BW 3.0	MHz	#Sv	Stop 4.10000 GHz veep 1.00 s (1001 pts)			Loca
15	21	Nov 06, 2024 11:12:20 AM	9						

#### n77(78)(3700~3980 MHz)\_30 M\_Band Edge\_High\_BPSK\_1RB(3)



Spectrum Analyzer 1 Swept SA	•				-	Meas S	ietup 🔻 🔡
Coupling: DC Align Auto	Freq Ref. Int (S)	#Atten: 14 dB Preamp: Off	PNO Best Wide Gate: Off IF Gain: Low	#Avg Type: P Trig: Free Ru	A WWWWW	20	Settings
Spectrum V cale/Div 10 dB	NFE Adaptive	Ref Lvi Offset 36. Ref Level 36.52 d		Mkr1	AAAAAA 3.699 020 GHz -26.932 dBm	Avg Type Power (RMS)	Limits Meas Standard
26.5						Meas Setup Summary Table	Legacy Compat
16.5					RMS	Auto Couple	Advanced
3.48						Meas Preset	Global
13.5			اللل لللل		DL1-13.00 dBm		
23.5	1						
33 5 <b>700000000000000000000000000000000000</b>		insentration sector graft	Wallots				
53.6							
enter 3.700000 GHz Res BW 360 kHz		#Video BW 1.2	MHz	#Sw	Span 4.000 MHz eep ~1.01 s (1001 pts		Loca
5001	? Nov 06, 2024 11:14:17 AM	©					

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_FullRB(1)



Spectrum Analyzer Swept SA KEYSIGHT Inpu R L Alig		H Input Z: 50 Ω Corr CCorr Freq Ref. Int (S)	#Atten, 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low	#Avg Type: Po Trig: Free Run	wer (RMS	AWWWWW	Avg Hol 20	Meas Setu d Number	up V 🛃
Spectrum Scale/Div 10 dB	•		Ref Lvi Offset 36. Ref Level 36.52 d		Mkr1		996 GHz 620 dBm	Avg Typ Power Aut Ma	(RMS)	Limits Meas Standard
26.5								/ Me	as Setup mary Table	Legacy Compat
t6.5					residente			Au	to Couple	Advanced
0.62								Me	as Preset	Global
13.5					of the second	1 Marrie	DL1-13.00 dEm			
23.5			1	water and a state of the state			and and the set of the state of			
			- And							
13.5		antistigation and an in general states	water							
53.6	alleries of									Loca
enter 3.700000 G Res BW 30 kHz	Hz		#Video BW 100	kHz	#Swe		an 4.000 MHz s (1001 pts)			
50		Nov 06, 2024 11:15:59 AM	$\odot$							

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_1RB(1)



Spectrum Analy Swept SA	zer 1	+						ø	Meas Set	up 🕇 💥
	Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 14 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: P Trig: Free Ru	ower (RMS n	1 2 3 4 5 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
Spectrum Scale/Div 10 d	* B		Ref LvI Offset 36. Ref Level 36.52 d	.52 dB	Mkr1		724 GHz 497 dBm	Avg Ty Power AL Ma	(RMS)	Limits Meas Standard
26.5								/ M	eas Setup nmary Table	Legacy Compat
16.5								A	uto Couple	Advanced
5,52								м	eas Preset	Global
13.5							EL1-13 00 dBm			
23.5				Million and Martin and American	( <u>Jernépize</u> r					
53.5 tart 3.695000 Res BW 510 k			#Video BW 2.0	MHz	#Sw		.699000 GHz s (1001 pts)			Loca
150		<b>?</b> Nov 06, 2024 11:14:50 AM	9							

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_FullRB(2)



Spectrum Analy Swept SA KEYSIGHT RL	+ Input Z: 50 Ω Corr CCorr Freq Ref. Int (S)	#Atten: 14 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low	#Avg Type: F Trig: Free Ri	Power (RMS <mark>12345)</mark> In AWWWWW	Avg Ho	Meas Setu Id Number	up Settings
Spectrum Scale/Div 10 dl	NFE Adaptive	Ref Lvi Offset 36. Ref Level 36.52 di	Sig Track: Off 52 dB	Mkr	AAAAAA 1 3.698 996 GHz -31.248 dBm	Avg Typ Power Au Ma	(RMS) to	Limits Meas Standard
26.5						K Sun	as Setup mary Table	Legacy Compat
5.52 3.48							ito Couple eas Preset	Global
13.5					E)1.1-13.00 dBm			
33 5				uppinnungt	R.L.			
53.6			พิมณ์คนสี่มีสมัยไปไม่ไป	ala da tanàn				Loca
tart 3.695000 Res BW 510 k	Nov 06, 2024 11:16:32 AM	#Video BW 2.0 I	MHz	#Sw	Stop 3.699000 GHz veep ~1.01 s (1001 pts)			

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_1RB(2)



L Coupling DG C Align Auto F	nput Z 50 Ω #Atten 14 dB corr CCorr Preamp Off req Ref. Int (S) IFE Adaptive	PNO Fast #Avg Type. P Gate: Off Thg: Free Ru IF Gain: Low Sig Track: Off	n AWWWWW AAAAAA	Avg Hold Number 20	Settings
2 N Spectrum V cale/Div 10 dB	Ref Lvi Offset 30 Ref Level 36.52	5.52 dB Mkr1	3.690 125 GHz -24.532 dBm	Avg Type Power (RMS) Auto Man	Límits Meas Standard
6.5				Meas Setup Summary Table	Legacy Compat
6.5				Auto Couple	Advanced
.52				Meas Preset	Global
3.5			E)Li -13.00 dBm		
3.5			dut dilla		
3.5 3.5 Waynahanahanahantarthatathatathata	anthonometer Andreas		of high that we we		
					Loca
art 3.50000 GHz Res BW 1.0 MHz	#Video BW 3.0		Stop 3.69500 GHz weep 1.00 s (1001 pts)		LOCA

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_FullRB(3)



Swept SA KEYSIGHT RL		+ Input 2: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Alten: 14 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pr Trig: Free Ru	ower (RMS	512345 AWWWWW AAAAAA	Avg Ho 20	ld Number	Settings
Spectrum cale/Div 10 d	B	and a prostance of	Ref LvI Offset 36 Ref Level 36,52 d	.52 dB	Mkr1		215 GHz .040 dBm	Avg Tyj Power Au Ma	(RMS)	Limits Meas Standard
26.5									eas Setup nmary Table	Legacy Compat
16.5								A	Ito Couple	Advanced
5,52								M	as Preset	Global
13.5							B)L1 -13.00 dBm			
23.5						<b>A</b> 1				
43.5						Å	RINS			
53.6						<u>سالیہ</u>	and the second walk			-
tart 3.50000 0 Res BW 1.0 N			#Video BW 3.0	MHz	#Sv		3.69500 GHz s (1001 pts)			Loca
5	ant	Nov 06, 2024 11:17:04 AM	0			1.0				

#### n77(78)(3700~3980 MHz)\_40 M\_Band Edge\_Low\_BPSK\_1RB(3)