

Swept SA	H Input Z 50 Ω #Atten 0 Corr CCorr Preamp C Freq Ref. Int (S) NFE Adaptive	18 PNO:Fast # Mf Gate:Off T IF Gain:High Sig Track:Off	Avg Type: Power (RMS 1 2 3 4 5 6 ng: Free Run A WWWWW A A A A A A	Frequency Center Frequency 25.00000000 GHz	Settings
Scale/Div 10 dB	Ref Level	20.00 dBm	Mkr1 36.416 9 GHz -78.218 dBm	Span 30.0000000 GHz Swept Span Zero Span	
				Full Span Start Freq 10.000000000 GHz	
				Stop Freq 40.000000000 GHz AUTO TUNE	
and the second se		an an is da at da barran 12 Manan da		CF Step 3.00000000 GHz Auto Man	
				Freq Offset 0 Hz X Axis Scale	Loca
Start 10.00 GHz Res BW 1.0 MHz	#Video B ? Mar 06, 2023 12:20:06 PM	W 3.0 MHz	Stop 40.00 GHz Sweep ~55.8 ms (60000 pts)	Log Lin Signal Track	

## Sub6 n77(78). Conducted Spurious Plot\_2 (635332ch\_40 MHz\_BPSK)



	Coupling DC Nign Auto	Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten: 20 dB Preamp: Off	PNO:Fast Gate:Off IF Gain:Low Sig Track:Off	Trig: Free Run	wer (RMS 1 2 3 4 5 6 A WWWWW A A A A A A A	5.0150	Frequency 000000 GHz	Settings
Spectrum ale/Div 10 dB			Ref Levei 10.00	dBm	Mk	r1 9.667 5 GHz -71.239 dBm	Sv	00000 GHz vept Span ro Span	
								-ull Span	
							Start Fr 30.000	eq 1000 MHz	
						1	Stop Fr 10.000	eq 0000000 GHz	
rt 30 MHz	ayun du yun fi si sha an		#Video BW 3.0	MHz		Stop 10.000 GHz		JTO TUNE	
es BW 1.0 MH larker Table	łz v			ago, b	Sweep	~18.7 ms (20001 pts)	CF Ste 997.00	00000 MHz	
Mode T	race Scale	x	Y	Function F	unction Width	Function Value	Ma		
1 N 2 N 3	1 f 1 f	9.667 5 GHz 3.451 7 GHz	-71.24 dBm -13.97 dBm				Freq O 0 Hz	ffset	
4 5 6							X Axis : Lo Lir	g	Lo

### Sub6 n77(78). Conducted Spurious Plot\_1 (631668ch\_50 MHz\_BPSK)



L +++ Coupling DC Corr Align Auto Freq	t Z 50 Ω #Atten 0 dB CCorr Preamp Off Ref. Int (S) Adaptive	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run A A A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	) dBm	Mkr1 36.019 9 GH -78.092 dBr		
				Full Span	
0.0				Start Freq 10.000000000 GHz	
				Stop Freq 40.000000000 GHz	
			1	AUTO TUNE	
		and by way show all and		CF Step 3.000000000 GHz Auto Man	
				Freq Offset 0 Hz	-
art 10.00 GHz les BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 GF Sweep ~55.8 ms (60000 pt		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (631668ch\_50 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_50 MHz\_BPSK)



L +++ Coupling DC Corr Align Auto Free	t Z 50 Ω #Atten 0 dB CCorr Preamp Off Ref. Int (S) Adaptive	PNO:Fast Gate:Off IF Gain:High Sig Track:Off	#Avg Type Power (RMS1234 Trig: Free Run A WW W A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.0	0 dBm	Mkr1 36.471 4 G -78.930 dl	HZ 30.0000000 GHz	
				Full Span	
0.0				Start Freq 10.000000000 GHz	
				Stop Freq 40.000000000 GHz	
			<b>↓</b> 1	AUTO TUNE	
	annaile an an an Air air an Air an Air an Air an Air an Air	la sibua indesia an di dala		GF Step 3.000000000 GHz Auto Man	
110				Freq Offset 0 Hz	_
art 10.00 GHz les BW 1.0 MHz	#Video BW 3.0	) MHz	Stop 40.00 Sweep ~55.8 ms (60000		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_50 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (635000ch\_50 MHz\_BPSK)



L +++ Coupling DC Corr Align Auto Freq	t Z 50 Ω #Atten 0 dB CCorr Preamp Off Ref. Int (S) Adaptive	PNO Fast #Avg Gate Off Trig IF Gain: High Sig Track Off	Type: Power (RMS 1 2 3 4 5 6 Free Run A WWWW A A A A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	) dBm	Mkr1 38.678 5 GHz -78.983 dBm	30.0000000 GHz	
				Full Span	
0.0				Start Freq 10.000000000 GHz	
				Stop Freq 40.000000000 GHz	
			1	AUTO TUNE	
0.0 11 hol konstant failure her skiller		de benares pour estar a la férantes a devende		CF Step 3.000000000 GHz	
10				Man Freq Offset 0 Hz	
art 10.00 GHz tes BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 GH Sweep ~55.8 ms (60000 pts		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (635000ch\_50 MHz\_BPSK)



Spectrum Mkr1 4.910 3 GHz cale/Div 10 dB Ref Level 10.00 dBm -71.362 dBm Swept Span 2 2 5 Span 2 0.000000 MHz 2 Stop Freq 10.000000000 GHz 2 3 0.00000 MHz 2 4 Jun 2 5 Span 2 3 0.00000 MHz 2 4 Jun 2 4 Jun 2 4 Jun 2 4 Jun 2 4 Jun 2 5 Span 2 5	Settings	Center Frequency 5.015000000 GHz	pe: Power (RMS123456 e Run A www.w A A A A A A	#Avg type Po Trig: Free Run	PNO:Fast Gate:Off IF Gain:Low Sig Track:Off	#Atten: 20 dB Preamp: Off	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	ng DC	Couplin Align: /	SIGH1	L
Provide the second s		9.97000000 GHz Swept Span		Mk	dBm	Ref Level 10.00			dB		Spec ale/
Mode       Trace       Scale       X       Y       Function       Function       Width       Function       Vidth       Mark											
t 30 MHz #Video BW 3.0 MHz Stop 10.000 GHz s BW 1.0 MHz Sweep ~18.7 ms (20001 pts) Farker Table Mode Trace Scale X Y Function Function Width Function Value Man											
rt 30 MHz Stop 10.000 GHz AUTO TUNE es BW 1.0 MHz Stop 10.000 GHz Stop 10.000		Stop Freq 10.000000000 GHz	الاستنابية فالمراد والارهاري	يل بلار المراجد الم	al de la de ser cont	مناسبهم با	المرجعية والمراجع				
farker Table   Mode Trace Scale X Y Function Function Width Function Value Man					MHz	#Video BW 3.0				0 MHz	irt 3
Mode Trace Scale X Y Function Function Width Function Value Man		997.000000 MHz	weep ~18.7 ms (20001 pts)	Sweep ·	ago b	, and they may product the set		Ŧ	MHz		
4 N 4 910 3 GHz 71 36 dBm			idth Function Value	unction Width	Function F			Scale	Trace		l
2 N 1 f 3.451 2 GHz -12.90 dBm Freq Offset 0 Hz							4.910 3 GHz 3.451 2 GHz	1	1	N	3
4 5 X Axis Scale Log Lin	Lo	Log									5

### Sub6 n77(78). Conducted Spurious Plot\_1 (632000ch\_60 MHz\_BPSK)



L Coupling DC Corr C Align Auto Freq F	Z 50 Ω #Atten: 0 dB Corr Preamp: Off Ref: Int (S) Adaptive	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type. Power (RMS 1 2 3 4 Trig: Free Run A WWW A A A A	25.00000000 GHz
Spectrum v cale/Div 10 dB	Ref Level -20.00	) dBm	Mkr1 38.124 5 0 -78.984 d	HZ 30.0000000 GHz
				Full Span
				Start Freq 10.00000000 GHz
				Stop Freq 40.00000000 GHz
	and the second constant of the second second	di hara ang ang dina ing a		AUTO TUNE CF Step 3.000000000 GHz Auto
				Man Freq Offset 0 Hz
art 10.00 GHz Res BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 Sweep ~55.8 ms (60000	

# Sub6 n77(78). Conducted Spurious Plot\_2 (632000ch\_60 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_60 MHz\_BPSK)



		n:0.dB PNO:Fast mp:0tf Gate:0tf IF Gain:High Sig Track:0tf	#Avg Type: Power (RMS <mark>123456</mark> Trig: Free Run A WWWWW A A A A A A	Center Frequency 25.00000000 GHz
Spectrum v cale/Div 10 dB	Ref L	evel -20.00 dBm	Mkr1 37.920 0 GHz -78.635 dBm	30.0000000 GHz
				Full Span
50.0				Start Freq 10.000000000 GHz
50.0				Stop Freq 40.000000000 GHz
			▲1	AUTO TUNE
		i silant a sustinaturba a a la ib		CF Step 3.000000000 GHz Auto Man
100				Freq Offset 0 Hz
tart 10.00 GHz Res BW 1.0 MHz	#Vid	eo BW 3.0 MHz	Stop 40.00 GHz Sweep ~55.8 ms (60000 pts)	
501?	Mar 06, 2023	2		Signal Track

## Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_60 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (634666ch\_60 MHz\_BPSK)



L Coupling DC Cor Align Auto Free	ut Z 50 Q #Atten: 0 dB rr CCorr Preamp: Off q Ref. Int (S) E. Adaptive	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW V A A A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.0	0 dBm	Mkr1 36.170 9 GH: -79.014 dBn	The state of the s	
				Full Span	
0.0				Start Freq 10.000000000 GHz	
0.0				Stop Freq 40.000000000 GHz	
			<b>1</b>	AUTO TUNE	
				CF Step 3.000000000 GHz	
				Man Freq Offset 0 Hz	
art 10.00 GHz tes BW 1.0 MHz	#Video BW 3.	0 MHz	Stop 40.00 GH Sweep ~55.8 ms (60000 pts		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (634666ch\_60 MHz\_BPSK)



	Input RF Coupling DC Align Auto	input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 20 dB Preamp: Off	PNO:Fast Gate:Off IFGain:Low Sig:Track:Off	#Avg Type Po Trig: Free Run	wer (RMS <mark>123456</mark> A WWWWW A A A A A A A	5.0150	Frequency 000000 GHz	Settings
spectrum ale/Div 10 dl	3	1 1 -	Ref Level 10.00	dBm	Mk	r1 9.695 9 GHz -71.057 dBm	Sv	00000 GHz vept Span ero Span	
.0		§2					-	Full Span	
							Start Fr 30.000	req 0000 MHz	
			when when the	بروندون المراجع	مى مەلىرىيە مەررىيە تەرر	مىشىمىيەت بەرىنىچە	Stop Fr 10.000	req 0000000 GHz	
rt 30 MHz			#Video BW 3.0	MHz		Stop 10.000 GHz	-	JTO TUNE	
es BW 1.0 M farker Table	*					~18.7 ms (20001 pts)	Au	00000 MHz Ito	
Mode 1	Trace Sca	ile X 9.695 9 GHz	Y -71.06 dBm	Function I	Function Width	Function Value	Ma	in	
2 N 3	1 1						Freq O 0 Hz	fset	
4 5 6							X Axis : Lo Lir	xg	Lo

### Sub6 n77(78). Conducted Spurious Plot\_1 (632334ch\_70 MHz\_BPSK)



Mkr1       37.865 5 GHz       Span         Scale/Div 10 dB       Ref Level -20.00 dBm       -79.431 dBm       30.000000 GHz         Log       -79.431 dBm       Zero Span       Evel Span         300       -79.431 dBm       Full Span       Start Freq         300       -70.000000 GHz       -70.000000 GHz       Start Freq         300       -70.0000000 GHz       -70.0000000 GHz       Start Freq         300       -70.0000000 GHz       -70.0000000 GHz       Start Freq         300       -70.0000000 GHz       -70.0000000 GHz       Start Freq         300       -70.00000000 GHz       -70.0000000 GHz       -70.00000000 GHz         300       -70.0000000 GHz       -70.0000000 GHz       -70.00000000 GHz         300       -70.00000000 GHz       -70.00000000 GHz       -70.00000000 GHz         300       -70.00000000 GHz       -70.0000000 GHz       -70.00000000 GHz         300       -70.00000000 GHz       -70.00000000 GHz       -70.00000000 GHz         300       -70.0000000 GHz       -70.0000000 GHz       -70.0000000 GHz         300       -70.00000000 GHz       -70.0000000 GHz       -70.00000000 GHz         300       -70.00000000 GHz       -70.00000000 GHz       -70.00000000 GHz	Settings	Center Frequency 25.000000000 GHz Span	ng Type. Power (RMS 1 2 3 4 5 6 Free Run A WWWW A A A A A A	#Avg Typ Trig: Free	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Atten 0 dB Preamp: Off	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	Input: RF Coupling: DC Align: Auto	YSIGHT - <b>→</b>
100     Start Freq       100     Start Freq       10.00000000 GHz       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000       1000 <th></th> <th>30.0000000 GHz</th> <th></th> <th>j.</th> <th>00 dBm</th> <th>Ref Level -20.0</th> <th></th> <th>3</th> <th>le/Div 10 d</th>		30.0000000 GHz		j.	00 dBm	Ref Level -20.0		3	le/Div 10 d
10.00000000 GHz 10.00000000 GHz		Full Span							
0.0       Image: Constraint of the second of t									
A Dio Toile     A Dio Toi									
0 0 (1) 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
		3.000000000 GHz					the state of the balance		CINERAL STREET
Freq Offset 0 Hz		Transfer and the second second							
tart 10.00 GHz #Video BW 3.0 MHz Stop 40.00 GHz Log Log Lin Stop 40.00 GHz 1.32:57 PM Mar 06, 2023	Loo	Log		Sw	0 MHz				

## Sub6 n77(78). Conducted Spurious Plot\_2 (632334ch\_70 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_70 MHz\_BPSK)



Mkr1 38.136 0 GHz       30.000000 GHz         Scale/Div 10 dB       Ref Level -20.00 dBm       -79.006 dBm         .00       .00       .00         <	KEYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω #Atten 0 dl Corr CCorr Preamp: Of Freq Ref. Int (S) NFE. Adaptive		#Avg Type Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW W A A A A A A	Center Frequency 25.000000000 GHz Span	Settings
100       1       Start Freq       10.00000000 GHz         500       1       1       10.00000000 GHz       Stop Freq         600       1       1       1       1       1         600       1       1       1       1       1       1         600       1       1       1       1       1       1       1         600       1	cale/Div 10 dB	Ref Level -2	20.00 dBm		30.0000000 GHz	
600       10.00000000 GHz         600       10.00000000 GHz         700       10.000000000 GHz         700						
60.0       40.000000000 GHz         70.0       1         80.0       1         80.0       1         1       1						
Autorome Autorome CF Step 3.00000000 GHz Auto Man Freq Offset 0 Hz XAXis Scale Log					<ul> <li>A second s</li></ul>	
90.0       1.000000000000000000000000000000000000				<b>≬</b> 1		
tart 10.00 GHz #Video BW 3.0 MHz Stop 40.00 GHz Log	90.0				3.000000000 GHz	
tart 10.00 GHz #Video BW 3.0 MHz Stop 40.00 GHz Log					TREAS ALCOSY (SAD)	
	tart 10.00 GHz Res BW 1.0 MHz		V 3.0 MHz	Stop 40.00 GHz Sweep ~55.8 ms (60000 pts	Loa	Loc

## Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_70 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (634332ch\_70 MHz\_BPSK)



L +++ Coupling DC Co Align Auto Fr	put Z: 50 Ω #Atten: 0 dB orr CCorr Preamp: Off eq Ref: Int (S) FE: Adaptive	PNO Fast #A Gate Off Tre IF Gain High Sig Track: Off	vg Type, Power (RMS <mark>12345</mark> g Free Run A WW WW A A A A A	25.000000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.0	0 dBm	Mkr1 36.954 9 GH -78.898 dBr		
0.0				Full Span Start Freq	
0.0				10.000000000 GHz Stop Freq	
0.0			1	40.00000000 GHz AUTO TUNE	
				CF Step 3.000000000 GHz Auto	
10				Man Freq Offset 0 Hz	
art 10.00 GHz tes BW 1.0 MHz	#Video BW 3.0	0 MHz	Stop 40.00 GF Sweep ~55.8 ms (60000 pt		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (634332ch\_70 MHz\_BPSK)



EYSIGHT	Input RF Coupling Align: Au		Input Z 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type Po Trig: Free Rur	wer (RMS <mark>123456</mark> A wwwww A A A A A A	5.0150	Frequency 100000 GHz	Settings
Spectrum ale/Div 10 c	B			Ref Level 10.00	dBm	Mk	r1 8.288 2 GHz -70.606 dBm	Sw	00000 GHz vept Span ro Span	
00									- Full Span	
								Start Fr 30.000	req 1000 MHz	
							1	Stop Fr 10.000	eq 1000000 GHz	
art 30 MHz	forg legging han hi			#Video BW 3.0	MHz		Stop 10.000 GHz	-	JTO TUNE	
es BW 1.0 M farker Table		1				Sweep	~18.7 ms (20001 pts)	CF Ster 997.00	p 10000 MHz	
Mode	Trace :	Scale	x	Y	Function	Function Width	Function Value	Au Ma		
1 N 2 N 3	1	1	8.288 2 GHz 3.451 7 GHz	-70.61 dBm -13.69 dBm				Freq Of 0 Hz	fset	
4 5 6								X Axis S Lo Lir	g	Lo

### Sub6 n77(78). Conducted Spurious Plot\_1 (632668ch\_80 MHz\_BPSK)



L +++ Coupling DC Corr C Align Auto Freq	Z 50 Ω #Atlen 0 dB CCorr Preamp Off Ref. Int (S) Adaptive	PNO Fast # Gate Off T IF Gain High Sig Track Off	Avg Type, Power (RMS <mark>12345)</mark> ng: Free Run A A A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	) dBm	Mkr1 36.136 9 GH -78.218 dBn		
				Full Span	
0.0				Start Freq 10.00000000 GHz	
				Stop Freq 40.000000000 GHz	
			1	AUTO TUNE	
				CF Step 3.000000000 GHz Auto Man	
110				Freq Offset 0 Hz	_
art 10.00 GHz tes BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 GH Sweep ~55.8 ms (60000 pts		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (632668ch\_80 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_80 MHz\_BPSK)



	Ref. Int (S) Adaptive	Gate: Off IF Gain: High Sig Track: Off		AAAA	Center Frequency 25.000000000 GHz Span	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	dBm	Mkr1 38.165 -79.32	0 GHz	30.0000000 GHz Swept Span Zero Span	
					Full Span	
0.0					Start Freq 10.000000000 GHz	
0.0					Stop Freq 40.000000000 GHz	
				▲1	AUTO TUNE	
					CF Step 3.000000000 GHz Auto Man	
110					Freq Offset 0 Hz	
art 10.00 GHz Res BW 1.0 MHz	#Video BW 3.0 I	MHz	Stop 4 Sweep ~55.8 ms (60	0.00 GHz	X Axis Scale Log Lin	Loc

## Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_80 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (634000ch\_80 MHz\_BPSK)



L +++ Coupling DC Corr Align Auto Freq	t Z 50 Ω #Atten 0 dB CCorr Preamp Off Ref. Int (S) Adaptive	PNO:Fast #A Gate:Off Trig IF Gain:High Sig Track:Off	vg Type, Power (RMS 1 2 3 4 5 6 g: Free Run A WW WW V A A A A A A	25.00000000 GHz	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	) dBm	Mkr1 36.153 4 GH: -78.684 dBn	30.0000000 GHz	
				Full Span	
0.0				Start Freq 10.000000000 GHz	
				Stop Freq 40.000000000 GHz	
			<u>م</u> 1	AUTO TUNE	
0.0	and the state of the	a facility is a surger of the state	Personal Property of Test Instances in the second	CF Step 3.000000000 GHz	
I AND STATES STATES				Auto Man	
				Freq Offset 0 Hz	
art 10.00 GHz les BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 GH Sweep ~55.8 ms (60000 pts		Loc

# Sub6 n77(78). Conducted Spurious Plot\_2 (634000ch\_80 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633000ch\_90 MHz\_BPSK)



Spectrum Analy Swept SA KEYSIGHT RL +++	8	+ Input Z 50 Ω Corr CCorr Freg Ref. Int (S)	#Atten 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High	#Avg Type Power (RMS 1 2 3 4 5 Trig: Free Run A WW WW		· 😤
N7	nigit nulo	NFE: Adaptive		Sig Track. Off	A A A A A	A Detector	Trace
1 Spectrum Scale/Div 10 d	18		Ref Level -20.00	) dBm	Mkr1 35.965 4 GH -78.897 dB	Z	Control
.og						Average	Detector
						(Log/RMS/V) Peak	Math
50.0						Sample	Trace Function
						Negative Peak	Normalize
70.0					<b>≬</b> 1	Detector Select Auto Man	
		ومعرفة المعامد والمعام والمعام	id in the deside	and an address of the second		Detector Auto All Traces	
-100				white-side washing		Detector Average Preset	
						Trace 1: Peak Trace 2: Average Trace 3: Neg Pk	
Start 10.00 GH Res BW 1.0 M			#Video BW 3.0	MHz	Stop 40.00 G Sweep ~55.8 ms (60000 pt	tz Detector Sample	Local
5	C -	? Mar 06, 2023 2:20:03 PM	ÐA		💷 🔛 — 🔀	Trace 1: Peak	

# Sub6 n77(78). Conducted Spurious Plot\_2 (633000ch\_90 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_90 MHz\_BPSK)



Spectrum Ana Swept SA KEYSIGHT R L		+ Input Z 50 Ω Corr CCorr Freg Ref. Int (S)	#Atten: 0 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: High	#Avg Type. P Trig: Free Ru	ower (RMS <mark>123456</mark> n A <del>WWWW</del> W	Select Trace Trace 1	· 😹
LNI .	Augit: Auto	NFE: Adaptive		Sig Track. Off		A A A A A A	Detector	Trace
1 Spectrum Scale/Div 10	, dB		Ref Level -20.00	) dBm	Mkr	1 36.332 4 GHz -79.534 dBm	Normal	Control
Log			T				Average (Log/RMS/V)	Detector
							Peak	Math
							Sample	Trace Function
60.0							Negative Peak	Normalize
						▲1	Detector Select Auto Man	
80.0	and the second second	THE REAL PROPERTY.	A STATE OF STATE OF STATE	Non-Annya Ing Days Alla ing			Detector Auto All Traces	
-100			a second second				Detector Average Preset	
							Trace 1: Peak Trace 2: Average Trace 3: Neg Pk	
Start 10.00 Gi			#Video BW 3.0	MHz	Sweep	Stop 40.00 GHz ~55.8 ms (60000 pts)	Detector Sample Preset	Local
1	C 🗌	Mar 06, 2023 2:21:27 PM	ÐA			A submitted by the second s	Trace 1: Peak Trace 2: Sample	

# Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_90 MHz\_BPSK)





### Sub6 n77(78). Conducted Spurious Plot\_1 (633666ch\_90 MHz\_BPSK)



Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: DC Align Auto	Input Z 50 Ω #Atten 0 dB Corr Preamp: Off Freq Ref. Int (S) NFE Adaptive	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS1 2 3 4 5 6 Trig: Free Run A WW WW W A A A A A A		· 迷
1 Spectrum v Scale/Div 10 dB Log	Ref Level -20		Mkr1 36.443 4 GHz -78.583 dBm		Trace Control Detector
-30.0				Peak	Math Trace
50.0				Sample	Function Normalize
				Detector Select Auto Man	
0.08			Contraction of the statistics of	Detector Auto All Traces Detector Average	
-100				Preset Trace 1: Peak Trace 2: Average Trace 3: Neg Pk	
Start 10.00 GHz #Res BW 1.0 MHz	#Video BW	3.0 MHz	Stop 40.00 GHz Sweep ~55.8 ms (60000 pts)	Detector Sample Preset	Local
■ っ ⊂ ■ ?	Mar 06, 2023 2:25:46 PM		🔣 🗠 🔛 🏭	Trace 1: Peak Trace 2: Sample	

# Sub6 n77(78). Conducted Spurious Plot\_2 (633666ch\_90 MHz\_BPSK)





#### Sub6 n77(78). Conducted Spurious Plot\_1 (633334ch\_100 MHz\_BPSK)



L + Coupling DC Corr C Align Auto Freq F	Z 50 Ω #Atten 0 dB Corr Preamp: Off Ref. Int (S) Adaptive	PNO: Fast #Avg Gate: Off Trig: IF Gain: High Sig Track: Off	g Type, Power (RMS <mark>1</mark> 23456 Free Run A WWWWW A A A A A A	23.00000000 6H2	Settings
Spectrum v cale/Div 10 dB	Ref Level -20.00	dBm	Mkr1 36.763 9 GHz -78.851 dBm		
				Full Span	
0.0				Start Freq 10.00000000 GHz	
				Stop Freq 40.000000000 GHz	
			<b>↓</b> 1	AUTO TUNE	
		on the spectrum of some of stations when		CF Step 3.000000000 GHz Auto Man	
				Freq Offset 0 Hz	-
art 10.00 GHz tes BW 1.0 MHz	#Video BW 3.0	MHz	Stop 40.00 GHz Sweep ~55.8 ms (60000 pts		Loca

# Sub6 n77(78). Conducted Spurious Plot\_2 (633334ch\_100 MHz\_BPSK)





11. TEST PLOTS(3700 MHz - 3980 MHz)



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Atten: 20 dB Corr CCorr Preamp: Off Freq Ref. Int (S) NFE: Adaptive	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq: 3.840000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB	Ref LvI Offset Ref Value 40.0			Span 40.000 MHz	
<b>00</b>				CF Step 4.000000 MHz	
0 0	Jananna	aya waxaya waka waka waka waka waka waka waka w	*	Auto Man	
00 00 00 00 00	/		PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz tes BW 390.00 kHz	#Video BW 1.	6000 MHz	Span 40 MHz #Sweep 50.0 ms (1001 pts)		
Metrics v					
17.928 Transmit Freg Error		Total Power	31.6 dBm		
	-217.69 kHz 19.25 MHz	% of OBW Powe x dB	er 99.00 % -26.00 dB		Los

## Sub6 n77(78). Occupied Bandwidth Plot (20 M BW Ch.656000 BPSK)



EYSIGHT Input F Couplin Align / PASS	ng DC Corr CC Nuto Freq Ri		Trig. Free Run Gete: Off #IF Gain: Low	Center Freq: 3.840000000 ( Avg Hold: 50/50 Radio Std. None	Ce	nter Frequency 840000000 GHz	Settings
Graph cale/Div 10.0 dB		Ref LvI Offset Ref Value 40.0			Sp 40	an ).000 MHz	
og 00.0 00.0 00.0			And the constraint of the second of the second s		1.0	Step 000000 MHz Auto	
0.00 10.0 20.0 30.0	and a stand and			hertilbygekittenslaurenjuurgen		Man eq Offset Hz	
0.0 60.0 enter 3.84000 GHz Res BW 390.00 kHz		#Video BW 1.6	6000 MHz	Spa #Sweep 50.0 ms	an 40 MHz (1001 pts)		
Metrics	X						
Occupied Ba	ndwidth 17.919 MHz		Total Power	31.2 dBn	n		
Transmit Fre x dB Bandwi		-198.73 kHz 19.28 MHz	% of OBW Pow x dB	ver 99.00 % -26.00 dB			Loc

## Sub6 n77(78). Occupied Bandwidth Plot (20 M BW Ch.656000 QPSK)



Coupling DC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq. 3 840000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph •		ef LvI Offset 29.0 ef Value 40.00 dE			Span 40.000 MHz	
<b>29</b> 2.0 2.0					CF Step 4.000000 MHz Auto	
00 0.0 0.0 <mark>wi<sub>net</sub>ulusenilusenilusenilusenilli</mark> ite	mad			Bert Will Prover Lundsed with mark	Man Freq Offset 0 Hz	
0.0 0.0 Inter 3.84000 GHz les BW 390.00 kHz	#	Video BW 1.6000	MHz	Span 40 MH: #Sweep 50.0 ms (1001 pts		
Metrics 🔹	) D23 MHz					
Occupied Bandwidth			Total Power	30.1 dBm ver 99.00 %		

#### Sub6 n77(78). Occupied Bandwidth Plot (20 M BW Ch.656000 16QAM )



EYSIGHT Input RF Coupling DC Align Auto		Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq. 3.84000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		f LvI Offset 29.0 f Value 40.00 dB			Span 40.000 MHz	
00 00	Atom Ton Alexandread	a.m.+119-11	Prog. Transformer and addition for a	-40	CF Step 4.000000 MHz	
0.0 00 0.0 0.0 0.0 0.0				PE PE		
0.0 0.0 enter 3.84000 GHz Res BW 390.00 kHz	#VI	deo BW 1.6000	MHz	Span 40 Mi #Sweep 50.0 ms (1001 pi		
Metrics v						
Occupied Bandwidth 17.9	911 MHz		Total Power	29.7 dBm		
Transmit Freq Error	-181.43 kHz 19.31 MHz		% of OBW Pow x dB	wer 99.00 %		Los

## Sub6 n77(78). Occupied Bandwidth Plot (20 M BW Ch.656000 64 QAM )



EYSIGHT Input. RF L Align: Auto PASS		Preamp: Off L(S)	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq. 3.840000000 GHz Avg Hold. 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 2 Ref Value 40.00			Span 40.000 MHz	
.og					CF Step 4.000000 MHz	
20.0 10.0 0.00	Januar	hannessed som ad store adver-	after d' Agentific sonn a the teagens d'ann an		Auto Man	
10.0 20.0 30.0 40.0	-daver an optic			hand hard hard hard hard hard hard hard har	Freq Offset UHz	
50.0 enter 3.84000 GHz Res BW 390.00 kHz		#Video BW 1.60	000 MHz	Span 40 N #Sweep 50.0 ms (1001 p		
Metrics <b>v</b>						
Occupied Bandy	width 17.917 MHz		Total Power	29.5 dBm		
Transmit Freq E x dB Bandwidth		30 KHZ 20 MHZ	% of OBW Pow x dB	wer 99.00 % -26.00 dB		Loca

## Sub6 n77(78). Occupied Bandwidth Plot (20 M BW Ch.656000 256 QAM )



L Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq Avg Hold: 50 Radio Std: N			Frequency 000000 GHz	Settings
Graph v cale/Div 10.0 dB	,	Ref LvI Offset 29 Ref Value 40.00 d				Span 60.000		
og 00.0 00.0 00.0	freedom and the second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~		and an other states of the state of the stat	uto	
	soul			- John		PEAK. Freq O 0 Hz	lfset	
enter 3.84000 GHz Res BW 620.00 kHz	*	Video BW 2.400	0 MHz	#Sw	Span 60 eep 50.0 ms (1001			
Metrics • Occupied Bandwidth 26.83	24 MHz		Total Power		32.0 dBm			
Transmit Freq Error x dB Bandwidth	-555.68 kH 28.63 MH		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loca

#### Sub6 n77(78). Occupied Bandwidth Plot (30 M BW Ch.656000 BPSK )



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq: 3.840000000 Avg Hold: 50/50 Radio Std: None	) GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB	,	Ref LvI Offset 29 Ref Value 40.00 d				Span 60.000 MHz	
og 30.0 20.0 10.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			CF Step 6.000000 MHz Auto Man	
0.00 10.0 20.0 <b>1.1 1.1</b> 30.0 40.0	sured			- Andrew - A	PEAK Letrone	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 620.00 kHz		Video BW 2.400	0 MHz	S∣ #Sweep 50.0 ms	pan 60 MHz s (1001 pts)		
Metrics • Occupied Bandwidth 26.8	58 MHz		Total Power	31.5 dE	3m		
Transmit Freq Error x dB Bandwidth	-574.40 kH 28.68 MH		% of OBW Pow x dB	ver 99.00 -26.00			Loc

#### Sub6 n77(78). Occupied Bandwidth Plot (30 M BW Ch.656000 QPSK)



EYSIGHT Input RF Coupling DC Align Auto		en:20 dB Trig. Free Run amp:Off Gate:Off #1F Gain:Low	Center Freq. 3.840000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph •		vl Offset 29.00 dB alue 40.00 dBm		Span 60.000 MHz	
<b>99</b> 0.0 0 0 0 0			•	CF Step 6.000000 MHz Auto Man	
00 0 0 0 0 0 0 0 0 0 0 0 0	hiero		PEAK In Insulated to A durich a blut	Freq Offset 0 Hz	
enter 3.84000 GHz tes BW 620.00 kHz	#Vide	o BW 2.4000 MHz	Span 60 MHz #Sweep 50.0 ms (1001 pts)		
Metrics Y Occupied Bandwidt	n 856 MHz	Total Power	30.7 dBm		
	-553.42 kHz	% of OBW Pow	er 99.00 %		

#### Sub6 n77(78). Occupied Bandwidth Plot (30 M BW Ch.656000 16QAM )



EYSIGHT Input L Coupl Align	ing DC Co Auto Fr	put Z 50 Ω orr CCorr eq Ref. Int (S) FE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq Avg Hold: 50 Radio Std: N		Center Frequency 3.840000000 GHz	Settings
Graph cale/Div 10.0 dB	•	R	ef LvI Offset 29 ef Value 40.00 d				Span 60.000 MHz	
og 00.0 0.0					~~		CF Step 6.000000 MHz Auto Man	
0.00 0.0 0.0 0.0 0.0	name				hourse	PEAK	Freg Offset	
0.0 enter 3.84000 GHz Res BW 620.00 kHz		#	Video BW 2.400	IO MHz	#Sw	Span 60 MHz eep 50.0 ms (1001 pts)		
Metrics Occupied Ba						00.0.40		
	26.965 MH eq Error	-589.02 kH 28.82 MH		Total Power % of OBW Pow x dB	ver	30.2 dBm 99.00 % -26.00 dB		Los

## Sub6 n77(78). Occupied Bandwidth Plot (30 M BW Ch.656000 64 QAM )



Atten: 20 dB Trig: Free Run Center Freq. 3.84000000 GHz Preamp: Off Gate: Off AvgHold: 50/50 #IF Gain: Low Radio Std: None Soan		o: Off (	Corr Pre ef: Int (S)	Input Z Corr CC Freq R NFE: A	iput: RF Soupling: DC Jign: Auto	
Ref Lvi Offset 29.05 dB 60.000 MHz	В				B	aph le/Div 10.0 (
CF Step 6.000000 MHz						
hervirus de la article estatut de la constante de	entitlert, manys field and	Antonin Artist	anter and second and the	ford		
PEAK Preq Offset 0 Hz				werd	w	
#Video BW 2.4000 MHz Span 60 MHz #Sweep 50.0 ms (1001 pts)	z	W 2.4000 M	#Vide			ter 3.84000 s BW 620.0
					Ť	trics
Total Power 29.7 dBm	tal Power			64 MHz	d Bandwidti 26.	Occup
			599.81 kHz 28.70 MHz		it Freq Error Indwidth	

# Sub6 n77(78). Occupied Bandwidth Plot (30 M BW Ch.656000 256 QAM )





#### Sub6 n77(78). Occupied Bandwidth Plot (40 M BW Ch.656000 BPSK)



EYSIGHT Input: RF Coupling: DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S)	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq. 3.840000 Avg Hold: 50/50 Radio Std: None	000 GHz	Center Frequency 3.840000000 GHz	Settings
✓ PASS Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00 d				Span 80.000 MHz	
20 0 10.0			ر بار مر			CF Step 8.000000 MHz Auto Man	
0.00 10.0 20.0 30.0 40.0				Witness and a state of the stat	PEAK	Freq Offset 0 Hz	
50.0 enter 3.84000 GHz Res BW 820.00 kHz		Video BW 3.000	0 MHz	#Sweep 50.0	Span 80 MHz ms (1001 pts)		
Metrics • Occupied Bandwidth 35.8	43 MHz		Total Power	31.8	dBm		
Transmit Freq Error x dB Bandwidth	-1.1206 MH 38.18 MH		% of OBW Pow x dB		00 % 00 dB		Loc

#### Sub6 n77(78). Occupied Bandwidth Plot (40 M BW Ch.656000 QPSK)



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq: 3.840000000 ( Avg Hold: 50/50 Radio Std: None	GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 29. Ref Value 40.00 d				Span 80.000 MHz	
og 0.0 0.0 0.0			-man - man			CF Step 8.000000 MHz Auto Man	
	, m y v d			Contexton when the second second	PEAK	Freq Offset 0 Hz	
0.0 enter 3.84000 GHz Res BW 820.00 kHz	#	Video BW 3.000	0 MHz	Spa #Sweep 50.0 ms	an 80 MHz (1001 pts)		
Metrics v Occupied Bandwidth 35.6	1 831 MHz		Total Power	30.8 dBn	n		
	-1.0664 MH	z	% of OBW Pow x dB	ver 99.00 %	6		

#### Sub6 n77(78). Occupied Bandwidth Plot (40 M BW Ch.656000 16QAM )



EYSIGHT Input RF Coupling Align Au	DG Corr CCorr	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq 3.84000 Avg Hold 50/50 Radio Std: None	0000 GHz	Center Frequency 3.840000000 GHz	Settings
	THE C. P. Mapuro	Ref LvI Offset 29 Ref Value 40.00				Span 80.000 MHz	
og 30.0 20.0			and the state of the			CF Step 8.000000 MHz	
0.00 10.0 20.0 30.0	worksord				PEAK	Man Freq Offset 0 Hz	
40.0 50.0 enter 3.84000 GHz Res BW 820.00 kHz		#Video BW 3.00	00 MHz	#Sween 50.0	Span 80 MHz ) ms (1001 pts)		
Metrics							
Occupied Band	35.753 MHz		Total Power	30.	5 dBm		
	Error -1.1192	MHz MHz	% of OBW Pov x dB		9.00 % .00 dB		Los

## Sub6 n77(78). Occupied Bandwidth Plot (40 M BW Ch.656000 64 QAM )



	vout RE	Input Z: 50 Q	Atten: 20 dB	Trig: Free Run	Center Frea	3.840000000 GHz		Frequency	
RL A	oupling DC Jign Auto	Corr CCorr Freq Ref. Int (S)	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold. 50 Radio Std: N	v50	and the second s	requency 00000 GHz	Settings
Graph Graph cale/Div 10.0 d	•		ef LvI Offset 29 ef Value 40.00 (				Span 80.000		
- <b>og</b> 30 0							CF Step 8.00000		
20.0		James and a more than	مدل مربع <sub>ا</sub> ین ۲۰۰۰ رغان در مجامع	a personal and a second se	-		Aut Mar		
30.0	Constantion and Prives	/			Heroper	PEAk uthywtholuser.styroghoc.wylang	Freq Off 0 Hz	set	
40.0 50.0 Center 3.84000 ( Res BW 820.00		#	Video BW 3.000	IO MHz	#Sw	Span 80 MH eep 50.0 ms (1001 pts			
? Metrics	Ţ								
Occupie	ed Bandwidth 35.735	MHz		Total Power		29.9 dBm			
Transm x dB Ba	it Freq Error Indwidth	-1.1416 MH 38.05 MH		% of OBW Pow x dB	ver	99.00 % -26.00 dB			Loca
		May 28, 2024	-			: 🗑 — 🗙			

## Sub6 n77(78). Occupied Bandwidth Plot (40 M BW Ch.656000 256 QAM )



EYSIGHT Input: RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq. 3.84000 Avg Hold: 50/50 Radio Std: None	0000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph ▼ cale/Div 10.0 dB		tef LvI Offset 29 tef Value 40.00 d				Span 100.00 MHz	
og 0.0 0.0 0.0		+				CF Step 10.000000 MHz Auto Man	
	how l			humante	PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.0000 MHz		Video BW 4.000	0 MHz	#Sweep 50.	Span 100 MHz 0 ms (1001 pts)		
Metrics • Occupied Bandwidth 45.83	72 MHz		Total Power	32	1 dBm		
Transmit Freq Error x dB Bandwidth	-942.49 kH 48.47 MH		% of OBW Pow x dB	wer 99	9.00 % 9.00 dB		Loo

#### Sub6 n77(78). Occupied Bandwidth Plot (50 M BW Ch.656000 BPSK)



EYSIGHT Input RF L ···· Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq. 3.84000000 Avg Hold: 50/50 Radio Std: None	GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00 d				Span 100.00 MHz	
og 00.0 00.0			Libre - an manual balle			CF Step 10.000000 MHz Auto Man	
0.00 10.0 0.0 0.0 0.0 0 0.0	-			hongo and stock to	РЕАК Маркованар	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.0000 MHz	1 1 1	#Video BW 4.000	0 MHz	Spa #Sweep 50.0 ms	n 100 MHz (1001 pts)		
Metrics V Occupied Bandwidd	h 876 MHz		Total Power	31.9 dB	m		
Transmit Freg Erro	-971.02 ki 48.38 M		% of OBW Pov x dB	wer 99.00			Loo

#### Sub6 n77(78). Occupied Bandwidth Plot (50 M BW Ch.656000 QPSK)



	ut RF Ipling DC n Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq Avg Hold: 50/ Radio Std: No		Center Frequency 3.840000000 GHz	Settings
Graph cale/Div 10.0 dB	v		Ref LvI Offset 29 Ref Value 40.00 d				Span 100.00 MHz	
0.0 0.0 0.0			Marrie and Party Pro-		-		CF Step 10.000000 MHz Auto Man	
00 0.0 0.0 0.0 0.0 0.0					han	PEAK	Freq Offset 0 Hz	
enter 3.84000 GH Res BW 1.0000 M		,	¢Video BW 4.000	0 MHz	#Swe	Span 100 MHz eep 50.0 ms (1001 pts)		
Metrics Occupied	•							
Occupied	45.811	MHz		Total Power		31.2 dBm		
Transmit F	Freq Error twidth	-985.79 kt 48.55 Mt		% of OBW Pow x dB	ver	99.00 % -26.00 dB		Loo

#### Sub6 n77(78). Occupied Bandwidth Plot (50 M BW Ch.656000 16QAM )



	out RF opling DC gn Auto	Input Z 5 Corr CCo Freq Ref NFE Ada	rr Preamp Off Int (S)	Trig. Free Run Gate: Off #IF Gain Low	Center Freq: 3.8400 Avg Hold: 50/50 Radio Std. None	00000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph ale/Div 10.0 dE			Ref LvI Offse Ref Value 40				Span 100.00 MHz	
<b>9</b> 00 00			San Stan State State State of the	e d'arres a destinates			CF Step 10.000000 MHz Auto Man	
00 0 0 0 0 0 0 0 0 0 0 0	l <sub>es</sub> stryw <b>e</b> rstoff	and			Wergeren	PEAK مەرمىرىدولىرۇ بارولىر	Freq Offset 0 Hz	
nter 3.84000 G es BW 1.0000 I			#Video BW 4	0000 MHz	#Sweep 50	Span 100 MHz .0 ms (1001 pts)		
letrics Occupied	¥ I Bandwidth							
	45.91	10 MHz		Total Power	30	).4 dBm		
Transmit	Freq Error dwidth		0034 MHz 18.49 MHz	% of OBW Po x dB		99.00 % 6.00 dB		Los

## Sub6 n77(78). Occupied Bandwidth Plot (50 M BW Ch.656000 64 QAM )



	ipling DC n Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq Avg Hold: 5 Radio Std: 1		Center Frequency 3.840000000 GHz	Settings
Graph cale/Div 10.0 dB			Ref LvI Offset 29 Ref Value 40.00 (				Span 100.00 MHz	
<b>og</b> 10 0 20 0							CF Step 10.000000 MHz	
0.0		parameter	alaansa di mara yara di mahayaa	marine flippine in a calance			Auto Man	
10.0 20.0 Nungan Japan Para	s.J. Hungelyn	ad				PEAK Machrissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweissoftweis	Freq Offset 0 Hz	
enter 3.84000 GH Res BW 1.0000 M			#Video BW 4.000	00 MHz	#Sv	Span 100 MHz veep 50.0 ms (1001 pts)		
Metrics	X							
Occupied	Bandwidth 45.814	MHz		Total Power		30.3 dBm		
Transmit F x dB Band		-987.20 k 48.37 M		% of OBW Pov x dB	ver	99.00 % -26.00 dB		Loc

## Sub6 n77(78). Occupied Bandwidth Plot (50 M BW Ch.656000 256 QAM )



VSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq 3.84000000 Avg Hold 50/50 Radio Std. None	GHz	Center Frequency 3.840000000 GHz	Settings
raph v ale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00				Span 120.00 MHz	
		*	Terrinopary and Party survey of			CF Step 12.000000 MHz Auto Man	
				Lannaranala	PEAK	Freq Offset 0 Hz	
0 nter 3.84000 GHz es BW 1.2000 MHz		Video BW 5.000	0 MHz	Spa #Sweep 50.0 ms	n 120 MHz (1001 pts)		
Occupied Bandwidth	39 MHz		Total Power	32.3 dB			
Transmit Freq Error x dB Bandwidth	-59.665 kl 61.05 M		% of OBW Pow x dB		%		Lo

#### Sub6 n77(78). Occupied Bandwidth Plot (60 M BW Ch.656000 BPSK)



	put RF oupling DC ign Auto			Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Avg F	er Freq Iold: 50 Std: N		Center Freque 3.840000000 Span	COLUMN TWO IS NOT	Settings
Graph cale/Div 10.0 dl	3			ef LvI Offset 29 ef Value 40.00 d					120.00 MHz		
og 0.0 0.0 0.0		- Jonar	and the second	an a	ang mang lang ang sang sang sang sang sang sang sa				CF Step 12.000000 M Auto Man	Hz	
00 0.0 0.0 10 0.0 0.0	יאליע, העוניין אין אין	il prod					how	PEAC	Freq Offset 0 Hz		
o.o enter 3.84000 G Res BW 1.2000			#	Video BW 5.000	0 MHz		#Sw	Span 120 MHz veep 50.0 ms (1001 pts)			
Metrics Occupie	¥ d Bandwidth										
Transmi	57.99 t Freq Error ndwidth	99 MHz	-37.131 kH 61.14 MH		Total Power % of OBW Po x dB	wer		32.2 dBm 99.00 % -26.00 dB			Lo

#### Sub6 n77(78). Occupied Bandwidth Plot (60 M BW Ch.656000 QPSK)



	it RF ipling DC n Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gete: Off #IF Gain: Low	Center Freq Avg Hold: 5 Radio Std: 1		Center Frequency 3.840000000 GHz Span	Settings
Graph cale/Div 10.0 dB	Ŧ		Ref LvI Offset 29 Ref Value 40.00				120.00 MHz	
<b>29</b> 0.0 0.0		Jorennorm	4	*****			CF Step 12.000000 MHz Auto Man	
00 0.0 0.0 0.0	nadadnagayaasta	*				PEAK Manud Mathematic garged counds	Freq Offset 0 Hz	
nter 3.84000 GH			#Video BW 5.000	00 MHz	#Sw	Span 120 MHz veep 50.0 ms (1001 pts)		
Metrics Occupied	₹ Bandwidth							
	57.949	9 MHz		Total Power		31.2 dBm		
Transmit F	Freq Error twidth	-42.072 61.05		% of OBW Pow x dB	ver	99.00 % -26.00 dB		Los

#### Sub6 n77(78). Occupied Bandwidth Plot (60 M BW Ch.656000 16QAM )



EYSIGHT Input RF Coupling DC Align Auto		n: 20 dB Trig. Free Run ump: Off Gete: Off #IF Gain. Low	Center Freq. 3.84000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		rl Offset 29.00 dB Ilue 40.00 dBm		Span 120.00 MHz	
<b>Pg</b> 0 0 0 0 0 0		4		CF Step 12.000000 MHz Auto Man	
00 00 00 00 00 00			PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.2000 MHz	#Vide	5.0000 MHz	Span 120 MHz #Sweep 50.0 ms (1001 pts		
Metrics •	th .987 MHz	Total Power	30.8 dBm		
Transmit Freg Erro		% of OBW Pow x dB			Lo

## Sub6 n77(78). Occupied Bandwidth Plot (60 M BW Ch.656000 64 QAM )



	RF king DC Auto	Corr CCorr Freg Ref. Int (S) NFE. Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Avg H	iold: 50/5 Std: Nor		Center Freq 3.84000000		Settings
Graph cale/Div 10.0 dB			Ref LvI Offset 29 Ref Value 40.00					Span 120.00 MH:	z	
<b>0.0</b>								CF Step 12.000000	MHz	
0.0		phone we want	والمحرب المتحد المتحد والمحروب والمحاوي	1.************************************	verander: 	(		Auto Man		
0.0 0.0 0.0 0.0	~nl.,philippyr	, W				linse	PEak بەلەھەرىلەرلەر مەرەپ مەرەپ يەلەر يەرەپ بەرەپ بەرەپ بەرەپ بەرەپ بەر	Freq Offset 0 Hz		
0.0 enter 3.84000 GHz tes BW 1.2000 MH			#Video BW 5.000	00 MHz		#Swee	Span 120 MHz ep 50.0 ms (1001 pts)			
Metrics	¥									
Occupied E	3andwidth 57.820	0 MHz		Total Power			30.4 dBm			
Transmit Fi x dB Bandy		-118.31 60.93 M		% of OBW Pov x dB	wer		99.00 % -26.00 dB			Loc

## Sub6 n77(78). Occupied Bandwidth Plot (60 M BW Ch.656000 256 QAM )



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate. Off #IF Gain. Low	Center Freq: 3.8- Avg Hold: 50/50 Radio Std: None	10000000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph v ale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00				Span 140.00 MHz	
00000000000000000000000000000000000000	June market	******				CF Step 14.000000 MHz Auto	
00 0.0 0.0	Т			Jump	PEAK	Man Freq Offset 0 Hz	
0.0							
nter 3.84000 GHz es BW 1.5000 MHz Metrics		#Video BW 6.000	IO MHZ	#Sweep	Span 140 MHz 50.0 ms (1001 pts)		
Occupied Bandwidt	n 829 MHz		Total Power		32.6 dBm		
Transmit Freq Error x dB Bandwidth	-1.7403 M 68.15 M		% of OBW Pov x dB	wer	99.00 % -26.00 dB		Los

#### Sub6 n77(78). Occupied Bandwidth Plot (70 M BW Ch.656000 BPSK)



EYSIGHT Input. RF Coupling: DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S)	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq: 3.840 Avg Hold: 50/50 Radio Std: None	000000 GHz	Center Frequency 3.840000000 GH	octurings.
7 PASS Graph v cale/Div 10.0 dB		ef LvI Offset 29			_	Span 140.00 MHz	
	for the first of the second second					CF Step 14.000000 MHz Auto Man	
					PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.5000 MHz		Video BW 6.000	0 MHz	#Sweep 5	Span 140 MHz 0.0 ms (1001 pts)		
Metrics v Occupied Bandwidth 64,8	05 MHz		Total Power	3	12.2 dBm		
Transmit Freq Error x dB Bandwidth	-1.7691 MH 68.37 MH		% of OBW Pov x dB		99.00 % 26.00 dB		Loo

#### Sub6 n77(78). Occupied Bandwidth Plot (70 M BW Ch.656000 QPSK)



Cupled BW	Input Z. 50 D	Atten: 20 dB	Trig. Free Run	Center Freq: 3.84	0000000 GHz	Captor	requency	Ľ
L Coupling DC Align Auto	Corr CCorr Freq Ref. Int (S)	Preamp: Off	Gate: Off #IF Gain: Low	Avg Hold: 50/50 Radio Std. None		and the second second	00000 GHz	Settings
Graph T		Ref LvI Offset 29 Ref Value 40.00 (				Span 140.00	MHz	
		ter value 40.00 t				CF Step 14.0000	000 MHz	
0 0	mannenden	allow and the second second				Auto		
00 0.0 0.0				montheren	peak	Freq Off 0 Hz	set	
0.0								
enter 3.84000 GHz tes BW 1.5000 MHz		Video BW 6.000	0 MHz	#Sweep	Span 140 MHz 50.0 ms (1001 pts)			
Metrics •								
	886 MHz		Total Power		31.4 dBm			
Transmit Freq Error x dB Bandwidth	-1.7564 Mi 68.16 Mi		% of OBW Pov x dB	wer	99.00 % -26.00 dB			Loo

#### Sub6 n77(78). Occupied Bandwidth Plot (70 M BW Ch.656000 16QAM )



	ut RF upling DC an Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Freq. 3 Avg[Hold: 50/50 Radio Std: Non		Center Frequency 3.840000000 GH	Seturus
Graph cale/Div 10.0 dB		,	Ref LvI Offset 29 Ref Value 40.00 (				Span 140.00 MHz	
og 00.0 00.0 0.0		Jamas		mgaymala manyanan			CF Step 14.000000 MHz Auto Man	
0.00 0.0 0.0 0.0	Anner through	<i>[</i>			La filmente	PEAK	Freq Offset 0 Hz	
enter 3.84000 GH Res BW 1.5000 N			∜Video BW 6.000	0 MHz	#Swee	Span 140 MHz p 50.0 ms (1001 pts)		
Metrics Occupied	¥ Bandwidth							
	64.548			Total Power		31.0 dBm		
	Freq Error dwidth	-1.7269 MH 68.17 MH		% of OBW Pow x dB	ver	99.00 % -26.00 dB		Loo

## Sub6 n77(78). Occupied Bandwidth Plot (70 M BW Ch.656000 64 QAM )



EYSIGHT Input. RF L Align: Auto PASS		Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq. 3.840000000 GH; Avg Hold. 50/50 Radio Std: None	3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00			Span 140.00 MHz	
og 0 0					CF Step 14.000000 MHz	_
0.0		en en lien de lan hande anger gan d	Munhadaa		Auto Man	
10.0 10.0 10.0 printipation de printipation de printipation de la construction de la construction de la construction de la 10.0	كهمسيلول			hulestantinon	PEAK Freq Offset 0 Hz	
0.0						
enter 3.84000 GHz Res BW 1.5000 MHz		#Video BW 6.00	00 MHz	Span 1 #Sweep 50.0 ms (10		
Metrics T	-141					
Occupied Bandy	vidth 64.299 MHz		Total Power	30.5 dBm		
Transmit Freq E x dB Bandwidth	rror -1.7355 M 68.06 M		% of OBW Pov x dB	wer 99.00 % -26.00 dB		Loc

## Sub6 n77(78). Occupied Bandwidth Plot (70 M BW Ch.656000 256 QAM )



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freg. 3.840000 Avg Hold: 50/50 Radio Std. None	000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00				Span 160.00 MHz	
og 0.0 0.0 0.0		******	and the second state of the second	Arren arrest		CF Step 16.000000 MHz Auto Man	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			homewhere	PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.6000 MHz		#Video BW 6.000	0 MHz		Span 160 MHz ms (1001 pts)		
Metrics v Occupied Bandwidth 77.3	22 MHz		Total Power	32.6	dBm		
Transmit Freq Error	-247.32 ki 81.23 M		% of OBW Pov x dB		.00 % 00 dB		Los

#### Sub6 n77(78). Occupied Bandwidth Plot (80 M BW Ch.656000 BPSK)



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Avg H	r Freq. 3.84000 loid: 50/50 Std. None	0000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB	F	tef LvI Offset 29. tef Value 40.00 d					Span 160.00 MHz	
og 0.0 0.0 0.0							CF Step 16.000000 MHz Auto Man	
000 0.0 0.0 0.0 0.0					Magunon Males	PEAK	Freq Offset 0 Hz	
50.0 enter 3.84000 GHz Res BW 1.6000 MHz		Video BW 6.000	0 MHz		#Sweep 50.0	Span 160 MHz 0 ms (1001 pts)		
Metrics • Occupied Bandwidth 77.3	76 MHz		Total Power		32	5 dBm		
Transmit Freq Error x dB Bandwidth	-209.99 kH 81.35 MH		% of OBW Pow x dB	ver	99	9.00 % .00 dB		Loc

#### Sub6 n77(78). Occupied Bandwidth Plot (80 M BW Ch.656000 QPSK)



	it RF pling DC n Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (\$ NFE: Adaptive		Trig. Free Run Gate: Off #IF Gain. Low	Center Fr Avg Hold Radio Std		Center Frequency 3.840000000 GHz Span	Settings
Graph cale/Div 10.0 dB			Ref LvI Offset 2 Ref Value 40.00				160.00 MHz	
<b>9</b> 9 0 9 0			***	let #	~		CF Step 16.000000 MHz Auto Man	
0.0	danalan metang					PEAP	Freq Offset 0 Hz	
0.0 enter 3.84000 GH Res BW 1.6000 M			#Video BW 6.00	00 MHz	#	Span 160 MH Sweep 50.0 ms (1001 pts		
Metrics Occupied		31 MHz		Total Power		31.5 dBm		
Transmit F	req Error	-265.46	i kHz MHz	% of OBW Pow x dB	wer	99.00 % -26.00 dB		Lo

#### Sub6 n77(78). Occupied Bandwidth Plot (80 M BW Ch.656000 16QAM )



EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gete: Off #IF Gain Low	Center Fr Avg Hold Radio Std		Center Frequency 3.840000000 GHz Span	Settings
Graph cale/Div 10.0	dB T		Ref LvI Offset 29 Ref Value 40.00				160.00 MHz	
og 0.0 0.0 0.0			11/1	and a reason of the second states of the second states and the se	- And		CF Step 16.000000 MHz Auto Man	
0.0 0.0 0.0 0.0 0.0	yng hefelydelwen	end all			<u></u>	PEAk No pitalan proposition	Freq Offset 0 Hz	
enter 3.84000 Res BW 1.600			#Video BW 6.000	00 MHz	#5	Span 160 MH: Sweep 50.0 ms (1001 pts		
Metrics Occup	₹ Died Bandwidt!							
	77. mit Freg Error	466 MHz -272.12	kHz	Total Power % of OBW Pow	wer	30.8 dBm 99.00 %		

## Sub6 n77(78). Occupied Bandwidth Plot (80 M BW Ch.656000 64 QAM )



Image: Pass         NFE: Adaptive         Span         160.00 MHz           Graph         Ref Lvl Offset 29.05 dB         160.00 MHz         CF Step           Graph         Ref Value 40.00 dBm         CF Step         16.000000 MHz           Og         Image: Pass of the second se	
OG 000 000 000 000 000 000 000 000 000 0	
00 Freq Offset	
00 and and the second s	
0.0	
Metrics Y	
Occupied Bandwidth 77,179 MHz Total Power 30.3 dBm	
Transmit Freq Error         -295.29 kHz         % of OBW Power         99.00 %           x dB Bandwidth         81.10 MHz         x dB         -26.00 dB	Loc

## Sub6 n77(78). Occupied Bandwidth Plot (80 M BW Ch.656000 256 QAM )



EYSIGHT Input RF L A Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain. Low	Center Freq. 3.8400 AvgjHold: 50/50 Radio Std. None	00000 GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00				Span 180.00 MHz	
og 0.0 0.0 0.0		~				CF Step 18.000000 MHz Auto Man	
1.00 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0				- Andreas	PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.8000 MHz		Video BW 8.000	0 MHz	#Sweep 50	Span 180 MHz .0 ms (1001 pts)		
Metrics	83 MHz		Total Power	32	28 dBm		
Transmit Freq Error x dB Bandwidth	-503.55 kl 91.37 M		% of OBW Pov x dB	wer	99.00 % 6.00 dB		Loc

#### Sub6 n77(78). Occupied Bandwidth Plot (90 M BW Ch.656000 BPSK)



EYSIGHT Input: RF Coupling: DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Avg Hoi	Freq: 3.84000000 d: 50/50 ld: None	) GHz	Center Frequency 3.840000000 GHz	Settings
Graph v cale/Div 10.0 dB	,	Ref LvI Offset 29 Ref Value 40.00 d					Span 180.00 MHz	
og 0.0 0 0 0 0	Junannum	·····	The stand and a static particular and				CF Step 18.000000 MHz Auto Man	
					have on a figure to	PEAK	Freq Offset 0 Hz	
enter 3.84000 GHz Res BW 1.8000 MHz		Video BW 8.000	0 MHz		Sp #Sweep 50.0 m	an 180 MHz s (1001 pts)		
Metrics    Occupied Bandwidth 87.25	5 MHz		Total Power		32.4 df	3m		
Transmit Freq Error x dB Bandwidth	-546.55 kH 91.59 MH		% of OBW Pow x dB	ver	99.00 -26.00			Loca

#### Sub6 n77(78). Occupied Bandwidth Plot (90 M BW Ch.656000 QPSK)



VSIGHT Input RF Coupling D Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S NFE. Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate Off #IF Gain. Low	Center Freq: 3.840 Avg Hold: 50/50 Radio Std: None	000000 GHz	Center Frequency 3.840000000 GHz	Settings
raph v		Ref LvI Offset 29 Ref Value 40.00				Span 180.00 MHz	
9 0 0						CF Step 18.000000 MHz Auto Man	
0 0 0 0	ma-Jump			Lunder	PEAK	Freq Offset 0 Hz	
0 nter 3.84000 GHz es BW 1.8000 MHz		Video BW 8.000	0 MHz	#Sweep 5	Span 180 MHz 0.0 ms (1001 pts)		
Occupied Bandwi					(Augustantinophane) (Sag org)		
Transmit Freq En x dB Bandwidth	6.818 MHz ror -489.75 91.51		Total Power % of OBW Pow x dB	wer	99.00 % 26.00 dB		Lo

#### Sub6 n77(78). Occupied Bandwidth Plot (90 M BW Ch.656000 16QAM )



YSIGHT Input: RF Input Z 50 Ω → Coupling: DC Corr CCorr Align Auto Freq Ref. Int NFE: Adaptiv		CCorr Ref. Int (S)	Atten: 20 dB Preamp: Off	Atten: 20 dB Trig. Free Run Center Freq: 3.840000000 GHz Preamp: Off Gate: Off Avg]Hold: 50/50 #IF Gain: Low Radio Std. None		0 GHz	Center Frequency 3.840000000 GHz		Settings			
raph ale/Div 10.0 d	в.			Ref LvI Offset 29 Ref Value 40.00 (						Span 180.00 M	ИНZ	
<b>g</b> 0 0				A. Maler and Paler and Paler		- ing a find an an				CF Step 18.0000 Auto		
0 0 0 dutane on dt		ind						Mappene	PEAK	Man Freq Offs 0 Hz		
0										0 H2		
nter 3.84000 ( s BW 1.8000				Video BW 8.000	0 MHz		⊥ #Sv		an 180 MHz s (1001 pts)			
letrics Occupie	¥ d Bandwidth											
		67 MHz			Total Por			31.2 di				
	It Freq Error		-476.23 k 91.58 M		% of OB x dB	W Power		99.00 -26.00				Lo

# Sub6 n77(78). Occupied Bandwidth Plot (90 M BW Ch.656000 64 QAM )



KEYSIGHT Input. RF Coupling DC Align: Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	Atten: 20 dB Preamp: Off	Trig: Free Run Gate: Off #IF Gain: Low	Avg	er Freq. 3. Hold. 50/5 o Std: Non		Center Frequency 3.840000000 GHz		Settings	
Graph v cale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00					Span 180.00 M	Hz		
.0g 30 0 20 0							CF Step 18.00000	D MHz		
10.0	poner	keen of the second had been party		min			Auto Man			
10.0 20.0 Martin January 10.00	wh				boundary	enternation depterior	Freq Offse 0 Hz	t		
30.0 40.0 50.0										
Center 3.84000 GHz Res BW 1.8000 MHz		Video BW 8.000	0 MHz		#Swee	Span 180 p 50.0 ms (1001				
? Metrics 🔹 🔻										
Occupied Bandwidth	33 MHz		Total Power			30.4 dBm				
	-453.77 k 91.41 M		% of OBW Pol	wer		99.00 %				
Transmit Freq Error x dB Bandwidth		HZ	x dB			-26.00 dB			Loca	

# Sub6 n77(78). Occupied Bandwidth Plot (90 M BW Ch.656000 256 QAM )



EYSIGHT Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off	Trig. Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold 5 Radio Std		Center Frequency 3.840000000 GHz	Settings
Graph v Scale/Div 10.0 dB		Ref LvI Offset 29 Ref Value 40.00 (				Span 200.00 MHz	
<b>.09</b> 30.0 20.0 10.0	from at a track					CF Step 20.000000 MHz Auto Man	
0.00 10.0 20.0 30.0 40.0 50.0				- ha	PEAs	Freq Offset ∽ 0 Hz	
enter 3.8400 GHz Res BW 2.0000 MHz		#Video BW 8.000	0 MHz	#Si	Span 200 MH weep 50.0 ms (1001 pts		
Metrics ¥ Occupied Bandwidth 96.5	70 MHz		Total Power		32.8 dBm		
Transmit Freq Error x dB Bandwidth	-675.92 kl		% of OBW Pow x dB	wer	99.00 % -26.00 dB		Loc

# Sub6 n77(78). Occupied Bandwidth Plot (100 M BW Ch.656000 BPSK)



EYSIGHT Input RF Coupling DC Align Auto		tten. 20 dB Trig. Free Run reamp: Off Gate: Off #IF Gain. Low	Center Freq: 3.840000000 GHz Avg Hold: 50/50 Radio Std: None	Center Frequency 3.840000000 GHz		
Graph v cale/Div 10.0 dB		LvI Offset 29.00 dB Value 40.00 dBm		Span 200.00 MHz		
<b>9</b> 0.0 0.0 0.0	formation and the second second			CF Step 20.000000 MHz Auto Man		
00 0.0 0.0 0.0 0.0			PEAK	Freq Offset 0 Hz		
enter 3.8400 GHz tes BW 2.0000 MHz		leo BW 8.0000 MHz	Span 200 MHz #Sweep 50.0 ms (1001 pts			
Metrics • Occupied Bandwidth 96.8	30 MHz	Total Power	32.6 dBm			
	-651.54 kHz	% of OBW Pow x dB	ver 99.00 %		Lo	

# Sub6 n77(78). Occupied Bandwidth Plot (100 M BW Ch.656000 QPSK)



Coupling DC Co		Input Z 50 Ω Corr CCorr Freq Ref. Int NFE: Adaptiv	Preamp: Off (S)	Atten: 20 dB Trig: Free Run Center Freq: 3.840000000 GHz Preamp: Off Gate: Off Avg]Hold: 50/50 #IF Gain: Low Radio Std. None		) GHz	Center Frequency 3.840000000 GHz		Settings		
iraph ale/Div 10.0 (	, dB		Ref LvI Offset 2 Ref Value 40.00						Span 200.00 M	1Hz	
<b>g</b> 0 0		freement	Manual Conception and a second		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				CF Step 20.0000 Auto Man		
	mhumaquas					Lawren	-	PEAK	Freq Offs 0 Hz	et	
nter 3.8400 0			#Video BW 8.00	00 MHz		#Sw		an 200 MHz s (1001 pts)			
fetrics Occup	Y ied Bandwidth	07 MHz		Total Power			31.6 dE				
	nit Freq Error andwidth	-691.3	30 kHz 7 MHz	% of OBW Pov x dB	wer		99.00 -26.00	%			Lo

# Sub6 n77(78). Occupied Bandwidth Plot (100 M BW Ch.656000 16QAM )



Coupling DC Coupling DC Co		Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten. 20 dB Trig. Free Run Center Freq 3.840000000 GF Preamp: Off Gate: Off Avg]Hold 50/50 #IF Gain Low Radio Std None		iHz	Center Frequen 3.840000000 C	Setting			
Graph tale/Div 10.0 dB			Ref LvI Offset 29 Ref Value 40.00 (						Span 200.00 MHz	
<b>9</b> 0.0 0.0				**************************************	word				CF Step 20.000000 MH Auto Man	z
00 0.0 0.0 0.0	megandactolesiad					Lounies	herrori e datu da etta di	PEAK	Freq Offset 0 Hz	
nter 3.8400 GHz es BW 2.0000 M			Video BW 8.000	0 MHz		#Swee	Span ep 50.0 ms (	200 MHz 1001 pts)		
Netrics Occupied 1	T Bandwidth									
	96.638	MHz		Total Power			31.0 dBm	1		
Transmit F	req Error width	-598.16 kH 101.5 MH		% of OBW Por x dB	wer		99.00 % -26.00 dE			La

# Sub6 n77(78). Occupied Bandwidth Plot (100 M BW Ch.656000 64 QAM )



	it RF ipling DC n Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S NFE. Adaptive	Atten: 20 dB Preamp: Off )	Trig. Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold Radio Std		Center Frequency 3.840000000 GHz	Settings	
Graph cale/Div 10.0 dB	•		Ref LvI Offset 29 Ref Value 40.00				Span 200.00 MHz		
<b>og</b> 00 0 20.0							CF Step 20.000000 MHz		
0.0		1	and the second second	Andrew B. J. Branne and Star of Longer Street			Man		
10.0 20.0 Jun	sapannana penganah	ymd				PE nashritin paking servi a pilo			
enter 3.8400 GHz Res BW 2.0000 M			#Video BW 8.000	00 MHz	#S	Span 200 M weep 50.0 ms (1001 p			
Metrics									
Occupied		3 MHz		Total Power		30.4 dBm			
Transmit F x dB Band		-727.42 101.4		% of OBW Pov x dB	wer	99.00 % -26.00 dB		Loc	

# Sub6 n77(78). Occupied Bandwidth Plot (100 M BW Ch.656000 256 QAM )





#### Sub6 n77(78). PAR Plot (20 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (20 M BW\_Ch.656000\_QPSK)





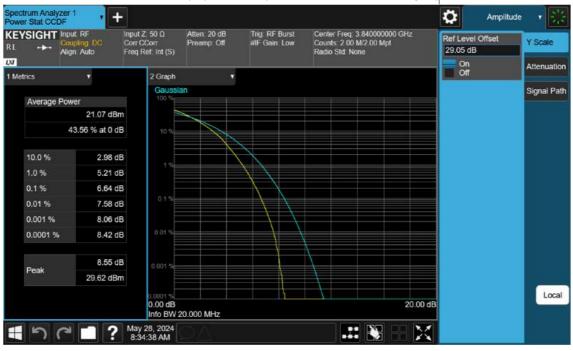
#### Sub6 n77(78). PAR Plot (20 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (20 M BW\_Ch.656000\_64 QAM)





## Sub6 n77(78). PAR Plot (20 M BW\_Ch.656000\_256 QAM)





#### Sub6 n77(78). PAR Plot (30 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (30 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (30 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (30 M BW\_Ch.656000\_64 QAM)





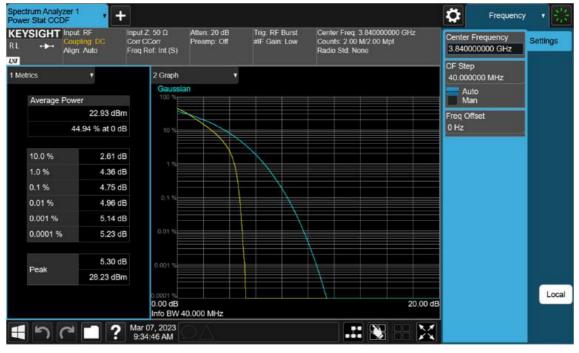
## Sub6 n77(78). PAR Plot (30 M BW\_Ch.656000\_256 QAM)





#### Sub6 n77(78). PAR Plot (40 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (40 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (40 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (40 M BW\_Ch.656000\_64 QAM)





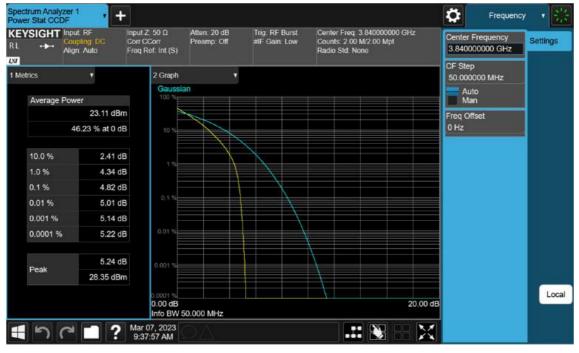
## Sub6 n77(78). PAR Plot (40 M BW\_Ch.656000\_256 QAM)





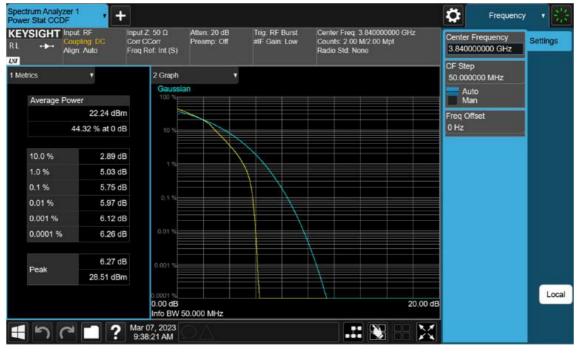
#### Sub6 n77(78). PAR Plot (50 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (50 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (50 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (50 M BW\_Ch.656000\_64 QAM)





## Sub6 n77(78). PAR Plot (50 M BW\_Ch.656000\_256 QAM)





#### Sub6 n77(78). PAR Plot (60 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (60 M BW\_Ch.656000\_QPSK)





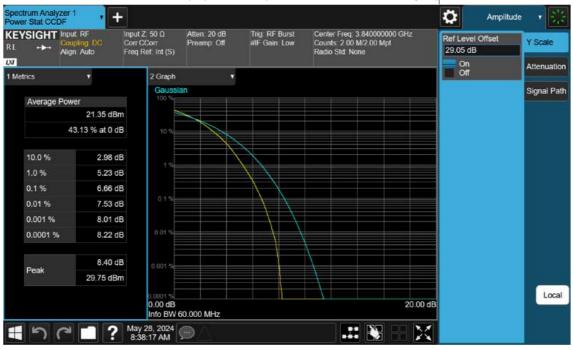
#### Sub6 n77(78). PAR Plot (60 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (60 M BW\_Ch.656000\_64 QAM)





## Sub6 n77(78). PAR Plot (60 M BW\_Ch.656000\_256 QAM)





#### Sub6 n77(78). PAR Plot (70 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (70 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (70 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (70 M BW\_Ch.656000\_64 QAM)





### Sub6 n77(78). PAR Plot (70 M BW\_Ch.656000\_256 QAM)





#### Sub6 n77(78). PAR Plot (80 M BW\_Ch.656000\_ BPSK)





#### Sub6 n77(78). PAR Plot (80 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (80 M BW\_Ch.656000\_16QAM)





#### Sub6 n77(78). PAR Plot (80 M BW\_Ch.656000\_64 QAM)





# Sub6 n77(78). PAR Plot (80 M BW\_Ch.656000\_256 QAM)





### Sub6 n77(78). PAR Plot (90 M BW\_Ch.656000\_ BPSK)





### Sub6 n77(78). PAR Plot (90 M BW\_Ch.656000\_QPSK)





#### Sub6 n77(78). PAR Plot (90 M BW\_Ch.656000\_16QAM)





### Sub6 n77(78). PAR Plot (90 M BW\_Ch.656000\_64 QAM)





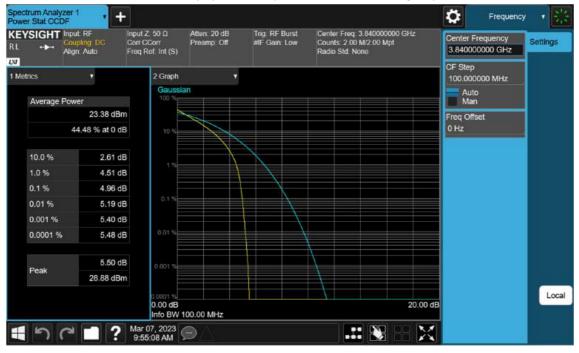
### Sub6 n77(78). PAR Plot (90 M BW\_Ch.656000\_256 QAM)





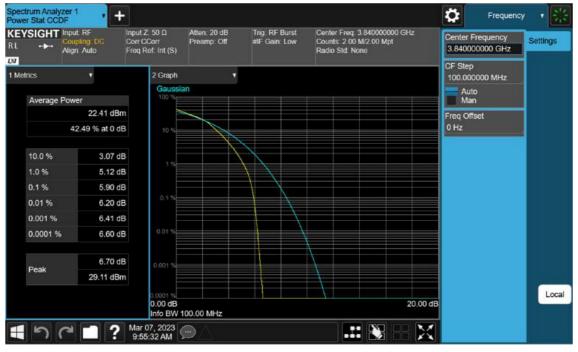
### Sub6 n77(78). PAR Plot (100 M BW\_Ch.656000\_ BPSK)





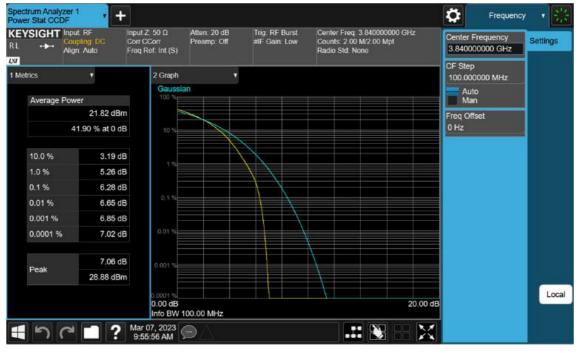
## Sub6 n77(78). PAR Plot (100 M BW\_Ch.656000\_QPSK)





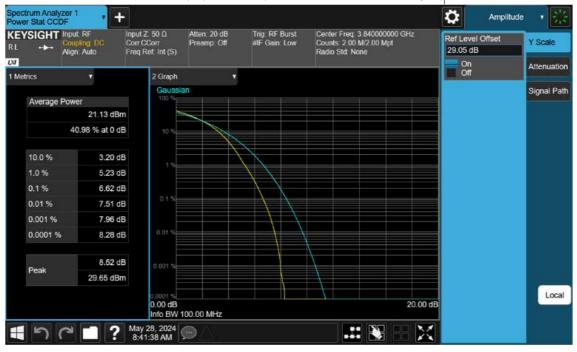
### Sub6 n77(78). PAR Plot (100 M BW\_Ch.656000\_16QAM)





# Sub6 n77(78). PAR Plot (100 M BW\_Ch.656000\_64 QAM)





## Sub6 n77(78). PAR Plot (100 M BW\_Ch.656000\_256 QAM)





### Sub6 n77(78). Low Band Edge Plot (20 M BW Ch.647334 BPSK 1RB)(1)



<b></b>	0 GHz         Span           4.00000000         4.00000000           7 dBm         Swept S           Zero Sp         Zero Sp	MHz
	Full S	ipan
	Start Freq 3.69800000	00 GHz
	3.70200000	00 GHz
4.0	AUTO T	TUNE
	CF Step 400.000 kH:	z
4.0	Auto Man	
4.0	Freq Offset 0 Hz	
enter 3.700000 GHz #Video BW 1.2 MHz Span 4 tes BW 360 kHz #Sweep ~1.01 s (	.000 MHz X Axis Scale Log 1001 pts) Lin	Loc

# Sub6 n77(78). Low Band Edge Plot (20 M BW Ch.647334 BPSK FullRB)(1)