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30MHz~3GHz_Band26_Part90s_3MHz_QPSK_1_0_HighCH26775-822.5

	Analyzer - Swept SA								
	1.515000000 G	Hz PNO: Fast	SENSE:		Avg Type	LIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div R	ef Offset 13.8 dB ef 30.00 dBm	FGain:Low	#Atten: 30 dl			Mk	r3 2.467	5 GHz 7 dBm	Auto Tune
20.0 10.0	¥.	1							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2			3	-19.00 tEm	Start Free 30.000000 MHz
-40.0 -50.0 -60.0	an a		a	-harrow	pasa di tangga da sa	and the second	and real to the second	rahan su pubris	Stop Free 3.000000000 GHz
Start 30 MHz #Res BW 1.0	MHz	#VBW	1.0 MHz	FUNCTIO		weep 2.	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MH Auto Mar
1 N 1 2 N 1 3 N 1 4 6	f 1.64	3.0 MHz 5 0 GHz 7 5 GHz	26.98 dBm -40,75 dBm -36,47 dBm					_	Freq Offse 0 H:
7 8 9 10 11									
MSG						STATUS			<u> </u>

3GHz~10GHz_Band26_Part90s_3MHz_QPSK_1_0_HighCH26775-822.5

Agilent Spectrum Analyzer - Swept SA					
CR RF 50 Ω DC		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	11:32:45 AMJun 18, 2019	Frequency
Center Freq 6.50000000) GHz	Trig: Free Run	Avg type: Log-Pwr	TRACE 1 2 3 4 5 6	
	PNO: Fast +++	#Atten: 30 dB		DET P NNNNN	
	II GAINLEON				Auto Tune
Ref Offset 13.8 dB				/kr1 3.686 GHz	
10 dB/div Ref 30.00 dBm				-32.28 dBm	
Log					
20.0					Center Free
10.0					6.500000000 GH
0.00					
-10.0				~10.00 (Dw	Start Free
-20.0					3.000000000 GH
-20.0					3.00000000000
Sumiter a sh			ملحلك فيعدد وترجعه برتعته وحدوات فأتعرفه	a defendation of a second second	
-40.0 Children	an international states of the	ASVESSMENT SUCCESSION	Margar D. A. Maralan S.	and an a state of the state of	
60.0					Stop Free
					10.00000000 GH
-60.0					
				04 40 000 011-	
Start 3.000 GHz				Stop 10.000 GHz	CF Step
#Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 1	1.67 ms (1001 pts)	700.000000 MH Auto Mar
MKR MODE THE SEL		Y FUN	CTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mai
1 N 1 f	3.686 GHz	-32.28 dBm	1		
2					Freq Offse
3 4					
5					0 H
6					
7 8					
9					
10					
11				*	
H (i i i i i i		18		•	
MSG			STATU	5	

30MHz~3GHz Band26 Part90s 5MHz QPSK 1 0 LowCH26715-816.5

	ctrum Analyzer									
Center F		50 9 DC	GHz		ENSE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div		et 13.8 dB .00 dBm	PNO: Fas IFGain:Lo				М	r3 2.44	9 5 GHz 63 dBm	Auto Tune
20.0 10.0			1							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					2			● ³	-10.00 (Din	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	Charles and Share		lulu guyona	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Q	agaa an daharan mani	and damenter	2.2007.00.2007.00.700	hagengla-graphics	Stop Freq 3.000000000 GHz
Start 30 / #Res BW	1.0 MHz		#\	/BW 1.0 MH	-	NCTION FUE	<u> </u>	.000 ms (. /	CF Step 297.000000 MHz Auto Man
1 N 2 2 N 3 3 N 4 5 6 7 8 9 9		1.0	817.1 MHz 533 0 GHz 449 5 GHz	27.75 -40.51 -36.63	1Bm 1Bm					Freq Offset 0 Hz
9 10 11 *				181			STATU	5	•	

3GHz~10GHz_Band26_Part90s_5MHz_QPSK_1_0_LowCH26715-816.5

🌉 Agilent S	pectrum A	inalyzer - Swep	it SA									- # 2
Center	Freq	6.50000	0000 GH	z		NSE:INT	Avg		LIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div		f Offset 13. f 30.00 d	B dB	łO:Fast ⊶ iain:Low	#Atten: 3				N	/kr1 4.6	66 GHz 83 dBm	Auto Tune
20.0	/ KC	1 30.00 0										Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0			↓1								-10:00 dDm	Start Freq 3.000000000 GHz
-40.0 5454 -50.0 -60.0	⁻	and the second		and particular.	-	10°************************************	and the second	(1844) 	Josephinistry	i orange angeler orange pangan sa	and a factor of the second	Stop Freq 10.000000000 GHz
Start 3. #Res B	W 1.0	MHz	×	#VBV	V 1.0 MHz		INCTION		weep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz <u>Auto</u> Man
1 N 2 3 4 5 6	1 1		4.66	6 GHz	-32.83 di	3m					_	Freq Offset 0 Hz
7 8 9 10 11												
MSG									STATUS		•	L

30MHz~3GHz_Band26_Part90s_5MHz_QPSK_1_0_MidCH26740-819

	trum Analy	zer - Swept SA										
Center F	req 1.t	50 9 DC	GHz		1	SE:INT	Avg		Log-Pwr	TRA	AMJun 18, 2010	Frequency
10 dB/div		Tset 13.8 dB 0.00 dBm	PN0 IFGa	: Fast	#Atten: 30) dB			Mk	r3 2.45	7 0 GHz 03 dBm	Auto Tune
20.0 10.0			¥1									Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						2				▲ ³	-10.00 (Dr	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		an a	-ht-a			anter Arrenter	and a state		1409-9792 (9-38)	and the second second	*****	Stop Freq 3.00000000 GHz
Start 30 I #Res BW	1.0 MH	łz		#VBW	1.0 MHz				<u> </u>	000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 7 7 8 9 9 10 11		1.	820.0 638 0 457 0	GHz	¥ -39.01 dB -37.03 dB	lm m	CTION	FUNC		FUNCT	CN WALKE	Freq Offset 0 Hz
15G									STATUS			

3GHz~10GHz Band26 Part90s 5MHz QPSK 1 0 MidCH26740-819

🛤 Agilent Spec	trum An		e SA								
Center F	req 6	50 Ω	0000 GH	z		NSE:INT	Avg Ty	ALIGN AUTO pe: Log-Pwr	TRAC	MJun 18, 2019	
10 dB/div		Offset 13 30.00 c	B dB	¥O:Fast ⊶ Sain:Low	#Atten: 3	0 dB			Mkr1 4.6	PNNNN	Auto Tune
20.0 10.0											Center Freq 6.500000000 GHz
-10.0 -20.0 -30.0			↓ ¹							-10.00 iDin	Start Freq 3.000000000 GHz
-40.0	~~~~	and and a second se	and the second	Sudgest Warnes	Anis and a second second	-	e ^{ar} lauth-l _e trai	and the state of the	and Ween Adv	a far far sen fra de la desarra de la des	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0 N		×		V 1.0 MHz	FUN		Sweep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz Auto Man
1 N 1 2 3 4 5 6 7 8 9 10	1		4.67	3 GHz	-33.28 dE	3m					Freq Offset 0 Hz
11					18						
MSG								STATU	5		

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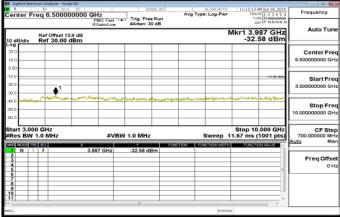
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30MHz~3GHz_Band26_Part90s_5MHz_QPSK_1_0_HighCH26765-821.5

M Agilent Spectrum Analyzer - Swe					
Center Freq 1.5150	00000 GHz	SENSE: INT	ALIGN AUTO Avg Type: Log-Pwr	11:11:57 AM Jun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1: 10 dB/div Ref 30.00		#Atten: 30 dB	M	cr3 2.464 5 GHz -36.94 dBm	Auto Tune
20.0 10.0 0.00	*1				Center Freq 1.515000000 GHz
-10.0				-10:00 HDm	Start Free 30.000000 MH
-40.0	eg		enty-pathister-relativer-relativer	, Andrew Hill dare this day to the sector of the	Stop Free 3.000000000 GH;
Start 30 MHz #Res BW 1.0 MHz	×		Sweep 2	Stop 3.000 GHz .000 ms (1001 pts)	CF Step 297.000000 MH: <u>Auto</u> Mar
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6	820.0 MHz 1.643 0 GHz 2.464 5 GHz	27.56 dBm -39.80 dBm -36.94 dBm			Freq Offse 0 H
7 8 9 10 11					
MSG			STATU	5	I

3GHz~10GHz_Band26_Part90s_5MHz_QPSK_1_0_HighCH26765-821.5



30MHz~3GHz Band26 Part90s 10MHz QPSK 1 0 MidCH26740-819

	rum Analyzer - Swept									0 6
Center Fre	eq 1.515000	0000 GH2	:		SE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offset 13.8 Ref 30.00 di	IFGi 3 dB): Fast ↔ iin:Low	#Atten: 30			Mk	r3 2.45	7 0 GHz 91 dBm	Auto Tune
20.0 10.0		*1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					2			♦3	-10.00 ilDin	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	and a product of the	مينيا اليوهيم		- de este ana de este	and in the second	and provide prover		a Secondaria	-lay-lay-ray-r	Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 MHz		#VBV	1.0 MHz	FIN		<u> </u>	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 5 6 7 7 8 9 9 10		817.1 1.638 0 2.457 0	GHz	27.27 dB -40.02 dB -36.91 dB	m					Freq Offset 0 Hz
мэа				11	1		STATUS	i.	· ·	

3GHz~10GHz_Band26_Part90s_10MHz_QPSK_1_0_MidCH26740-819

🗱 Agilent Spectrum Analy:						- 4 - 8
Center Freq 6.5	50 0 DC	SENSE:11	Avg Type	ALIGN AUTO 1 CLog-Pwr	1:04:04 AM Jun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Of 10 dB/div Ref 3	PNO: Fast IFGain:Los Tset 13.8 dB 0.00 dBm			Mkr	1 4.813 GHz -32.51 dBm	Auto Tune
20.0 10.0						Center Freq 6.50000000 GHz
-10.0	1				-40.00 x0m	Start Freq 3.000000000 GHz
-40.0 4000000000000000000000000000000000	alan mata kana dala yina dala paga paga paga paga paga paga paga p	e in the second second	and an all the second	, an in the second	alanin andrandal	Stop Freq 10.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MH		BW 1.0 MHz		Sweep 11.67	op 10.000 GHz 7 ms (1001 pts)	CF Step 700.000000 MHz Auto Man
Image number Time Sector 1 N 1 f 3	× 4.813 GHz	-32.51 dBm	FUNCTION FUN	HIGN WOTH	FURNE GAN WALLER	Freq Offset 0 Hz
MSG				STATUS		

30MHz~3GHz_Band30_5MHz_QPSK_1_0_LowCH27685-2307.5

	ctrum Ar	nalyzer - Swep												0 6
Start Fre	⊮ q 30	.000000	D MHz			NSE:INT	Avg	A Type: Hold:>	RMS		TRA	PM Aug 07, 20	56	Frequency
10 dB/div		Offset 24	2 dB	NO: Fast Gain:Low	#Atten: 1			Hold.2		Mki	r1 2.30	ET A NNN	N N	Auto Tune
14.2 4.20										1				Center Freq 1.515000000 GHz
-16.8 -25.8 -36.8												-40.00 (BG	Start Freq 30.000000 MHz
-45.8 -55.8	******	. د ويورد ما ورو					aa			١.,	يد معنى من م		~~	Stop Freq 3.000000000 GHz
Start 30 I #Res BW	1.0		*	#VE	W 1.0 MHz		INCTION		<u> </u>	_	Stop 3 667 ms (<u> </u>		CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9 9 10	1			0 GHz	24.153 d									Freq Offset 0 Hz
11 *	1									ATUS		•	*	

3GHz~10GHz_Band30_5MHz_QPSK_1_0_LowCH27685-2307.5

	trum Analyzer - !									- 4 🐱
Start Fre		0 9 DC			SE:INT	Avg Typ	ALIGN AUTO De: Log-Pwr	TRAC	MAug 07, 2019	Frequency
eturrit	9 010000	P	NO: Fast 🕶 Sain:Low	#Atten: 20				TH D	PNNNNN	
10 dB/div	Ref Offset Ref 10.0							Mkr3 6.9 -57.	23 GHz 66 dBm	Auto Tune
0.00 -10.0										Center Freq 11.500000000 GHz
-30.0 -40.0 -50.0	2	3		manach					-40.00 dBm	Start Freq 3.000000000 GHz
-60.0		a.in/122-6.441.4	N, director of the set			1.1.1.1.1.1.1.1.1.1.1.1.1				Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	×	#VBV	1.0 MHz			Sweep 2	28.33 ms (.000 GHz 1001 pts)	CF Step 1.70000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 6 7 7 8 9 9 10		19.28	6 GHz 5 GHz 3 GHz	-51.32 dB -56.19 dB -57.66 dB	m					Freq Offset 0 Hz
9 10 11 *							STATU	s	, ·	

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30MHz~3GHz_Band30_5MHz_QPSK_1_0_MidCH27710-2310

🛤 Agi	ient Spec	trum A	unalyzer - Swi													
Star	t Fre	» q 30	50 £				ser	RUD	Avg	Type	RMS		TRAC	MAug 07, 201 E 1 2 3 4 5 E M WWWW	6	Frequency
10 dE	3/div		f Offset 2		PNO: Fast IFGain:Low		Atten: 1		Avg)	1010.		Mk	r1 2.308			Auto Tune
14.2 4.20 -5.80												1				Center Freq 1.51500000 GHz
-15.8 -25.8 -36.8														-40.00 dB		Start Freq 30.000000 MHz
-45.8 -65.8 -66.8	ale ware		Angles - Barrier	*******		****		kadena "Mihanta				۰	ي هندا هوي ورو رو			Stop Freq 3.000000000 GHz
#Re:	t 30 M s BW	1.0		×			0 MHz	FUN	CTION		<u> </u>		.667 ms (.000 GH: 1001 pts	ы	CF Step 297.000000 MHz Auto Man
2 3 4 5	N 1	1		2.3	08 0 GHz	2	3.705 dE	3m								Freq Offset 0 Hz
6 7 8 9 10 11	+						18									
MSG											ST	ATUS			-	

3GHz~10GHz_Band30_5MHz_QPSK_1_0_MidCH27710-2310

	Analyzer - Swept SA								- # #
	RF 50 9 DC	GHz		E:INT		LIGN AUTO	TRAC	MAug 07, 2019	Frequency
	ef Offset 4.2 dB	PNO: Fast H IFGain:Low	#Atten: 20				Akr3 6.9	30 GHZ	Auto Tune
	ef 10.00 dBm						-56.	72 dBm	
-10.0									Center Freq 11.50000000 GHz
-30.0	A 2	3			ba carried and		. Loubatterd	-40.00 albro	Start Freq 3.000000000 GHz
-60.0				lyhki pilolugo					Stop Freq 20.000000000 GHz
Start 3.000 C #Res BW 1.0	MHz	#VBV	V 1.0 MHz		TION FUN	<u> </u>	8.33 ms (. /	CF Step 1.700000000 GHz Auto Man
1 N 1 1 2 N 1 3 N 1 4 5 6 6 7		19,830 GHz 4.620 GHz 6.930 GHz	-51,77 dBi -55,88 dBi -56,72 dBi	m			PONET		Freq Offset 0 Hz
8 9 10 11 < 1 MSG			181			STATUS	6		

30MHz~3GHz Band30 5MHz QPSK 1 0 HighCH27735-2312.5

M Agilent Spectrum Analyzer - Swept SA					
Start Freq 30.000000 MHz		SENSE:INT	ALIGN AUT Avg Type: RMS AvgiHold:>1/1	TRACE 1 2 3 4 5 6	
Ref Offset 24.2 dB 10 dB/div Ref 24.20 dBm	PNO: Fast	#Atten: 10 dB	-	1kr1 2.311 0 GHz 24.044 dBm	
14.2 4.20				1	Center Freq 1.515000000 GHz
-15.8				-40 00 4845	Start Freq 30.000000 MHz
-45.8 -65.8					Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz*	Sweep	Stop 3.000 GHz 4.667 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
N 1 f 2.3 3 -	11 0 GHz	24.044 dBm			Freq Offset 0 Hz
MSG			STA	TUS	

3GHz~10GHz_Band30_5MHz_QPSK_1_0_HighCH27735-2312.5

NL PM NO PM NO PM PM<	Agient Sper	ctrum Analyzer - Sv	wept SA								
Definition Production Trig: Free Run Brance: 20 dB Trig: Free Run Brance: 20 dB Trig: Free Run Brance: 20 dB Auto Tune Ref Offset 4.2 dB (0 ddidw Ref 10.00 dBm	CM RL	RF 50	9 DC		SEN	E:INT					
Instruction Attern: 20 dB Certif MINIA Auto Tune 10 dildu/ 10 dildu/ 000 Ref Offset 4.2 dB 10 dildu/ 000 Mkr3 6.938 GHZ -55.51 dBm Auto Tune 000 -55.51 dBm -55.51 dBm -55.51 dBm Center Freq 11.5000000 GHz 000 -2 -3 -40.0 -40.0 -55.51 dBm 000 -2 -3 -40.0 -40.0 -55.51 dBm -55.51 dBm 000 -2 -3 -40.0 -40.0 -55.51 dBm -55.5	Center F	req 11.500			Trio: Free	Run	Avg Type	: Log-Pwr	The	THE R. LANSAGEMENT	riequeitey
Ref Offset 2 dB MKr 3 6.938 GHz 0 diddy Rf 10.00 dBm -55.51 dBm 1.500 GHz FVBW 1.0 MHz Sweep 28.33 mS 1001 pB 1.500 GHz -51.12 dBm -51.12 dBm 1 diddy -53.30 dH -53.51.2 dBm 0 diddy -53.51.2 dBm -55.51.2 dBm 1 diddy -53.51.2 dBm -55.51.2 dBm			IFGa	in:Low	#Atten: 20	dB			D	PNNNNN	
Csi Content Co								1			Auto Tune
100 1.000000000000000000000000000000000000		Ref 10.00	JUBIN								
0.0 0	0.00	_	++		+						Center Free
000 000 <td>-10.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.50000000 GH;</td>	-10.0										11.50000000 GH;
Image: Second	-20.0		++								
400 400 <td>-30.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Start From</td>	-30.0										Start From
Content 1 1 2 3 2 3 2 3 </td <td>-40.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-40.00 dBm</td> <td></td>	-40.0									-40.00 dBm	
Control Span 17.00 CHz Span 17.00 CHz CF Step Free Stop Free Span 17.00 CHz CF Step Free Span 17.00 CHz Attain 0000 CHz Attain 00000 CHz At	-50.0	2	_ 3							0'	3.00000000 GH2
To 0 CF Step System 2 S3 33 m (100 1 pts) To 000000 GHz CF Step To 000000 GHz To 00000 GHz To 000000 GHz To 000000 GHz To 000000 GHz To 00000 GHz To 0000 GHz To 00000 GHz To 0000 GHz To 0000 GHz To 0000 GHz To 000 GHz To 000	-60.0	how he was	manun	erest and the	المتواجب المراجع	mandana	a state and	warmen and the	and the second	and a second second	
State Span 17.00 GHz Span 17.00 GHz CF State CF State <td>-7D D</td> <td></td>	-7D D										
Center 11.500 GHz #Res BW 1.0 MHz #VBW 1.0 MHz											20.00000000 GHz
RRes BW 1.0 MHz #VBW 1.0 MHz Sweep 28.33 ms (1001 pts) 1.70000000 dHA Col Local Lo	-00.0										
International processing X X Y FUNCTION											
Mail F 19.473 GHz Ask Total Fank Total	#Res BW	1.0 MHz		#VB\	V 1.0 MHz			Sweep 2	8.33 ms (1001 pts)	
2 N 1 f 4.625 GHz -54.89 dBm Freq Offset 4 1 f 6.938 GHz -56.81 dBm OHz OHz 4 6 - - - OHz OHz 5 - - - - - OHz 7 - - - - - - 0 Hz 9 - - - - - - - - - - - - 0 Hz - - - - - - - 0 Hz - - - - - 0 Hz - - - - - 0 Hz - - - - 0 Hz - 0 Hz - - 0 Hz - 0 Hz - 0 Hz 0 Hz - 0 Hz - 0 Hz 0 Hz 0 Hz 0 Hz - 0 Hz - 0 Hz			×		Y		TION FUE	ACTION MOTH	FUNCTO	ON VALUE	Auto Mar
N 1 f 6.938.GHz -56.61.dBm Preq.Offset Offset Offset <td></td> <td></td> <td></td> <td></td> <td>-51.12 dB</td> <td>m</td> <td></td> <td></td> <td></td> <td></td> <td></td>					-51.12 dB	m					
	3 N 1	111	6.938	GHz	-55.61 dB	m					
	5			-						-	0 Hz
	6			_		_				_	
	9	+ +				-					
	MSG							CTATI:	-		

30MHz~3GHz_Band30_10MHz_QPSK_1_0_MidCH27710-2310

		alyzer - Swep										
R	RF	50 Ω	DC			ISE:INT		ALIGN AL ype: RMS old:>1/1		TRAC	MAug 07, 2011	Frequency
10 dB/div	Ref	Offset 24.	iř 2 dB	NO: Fast C Gain:Low	#Atten: 1	0 dB	Avgin		Mk	r1 2.30	ANNNN	Auto Tune
14.2 4.20									1			Center Freq 1.515000000 GHz
-15.8 -25.8 -35.8									(-40.00 (196)	Start Freq 30.000000 MHz
-45.8 -55.8 aram	e or we do not		and the state of the state of					and the second	1		******	Stop Freq 3.000000000 GHz
Start 30 #Res BW	/ 1.0 N	ЛНz	×	#VB	W 1.0 MHz		TION	Sweet	_	.667 ms (<u> </u>	CF Step 297.000000 MHz Auto Man
1 N 2 3 3 4 5 6 7 7 8 9 10 10				0 GHz	23.728 dt							Freq Offset 0 Hz
MSG								51	TATUS			·

3GHz~10GHz Band30 10MHz QPSK 1 0 MidCH27710-2310

	ctrum Analyzer - Sv									
Start Fre	₽F 50 q 3.00000	0000 GHz			SE:INT		ALIGN AUTO CLOG-PWF	TRAC	MAug 07, 2019	Frequency
10 dB/div	Ref Offset 4 Ref 10.00	IFC	Ю: Fast ↔ ain:Low	#Atten: 20) dB		N	/kr3 6.9	30 GHz 81 dBm	Auto Tune
-10.0 -20.0										Center Freq 11.500000000 GHz
-30.0 -40.0 -50.0	2	3		Regard Sugar					-40.00 dBm	Start Freq 3.000000000 GHz
-60.0		Ser Statemet		a strate of the	in a sea ann an an ann an an ann an an an an an					Stop Freq 20.00000000 GHz
Start 3.00 #Res BW	1.0 MHz	×	#VBV	V 1.0 MHz	61 M/	TION FUE	<u> </u>	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 7 7 8 9 10 10	Image: state	18.89	5 GHz 0 GHz 0 GHz	-51.85 dB -56.40 dB -56.81 dB	m			PUNCTO		Freq Offset 0 Hz
11 •							STATUS	5	· ·	

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30MHz~3GHz_Band38_5MHz_QPSK_1_0_LowCH37775-2572.5

	ectrum Analyzer									
Center F		50 9 DC	lz NO: Fast →		ISE:INT	Avg Ty	ALIGN AUTO pe: Log-Pwr	TRA	AMJun 18, 2019	Frequency
10 dB/div			NO: Fast Gain:Low	#Atten: 30	0 dB		м	r1 2.57	2 3 GHz 09 dBm	Auto Tune
20.0 10.0								1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0									-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0				197 - 2014 - Andd	www.histohana	esepartic cellific	tudunatinatin th	oligende studi fingener	9,-1-8608.95-N	Stop Freq 3.00000000 GHz
MKR MODE	/ 1.0 MHz	×		/ 1.0 MHz		CTION F	Sweep 2	2.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
1 N 2 3 4 5 6 7 8 9	1 1	2.572	3 GHz	28.09 dE	3m					Freq Offset 0 Hz
8 9 10 11 1				11			STATU	5	,	

3GHz~10GHz_Band38_5MHz_QPSK_1_0_LowCH37775-2572.5

Agilent Spectrum Analyz					- # *
Center Freq 11.	50 0 DC 500000000 GHz PNQ: Fast	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	09:40:22 AMJun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low set 14.2 dB 0.00 dBm			Mkr3 7.718 GHz -37.65 dBm	Auto Tune
20.0					Center Freq 11.50000000 GHz
-10.0		na shin Antonia ana	المردمة والمردمة المردمة مردمة مردمة مردمة الم	South and the second	Start Freq 3.000000000 GHz
-40.0 -50.0 -60.0					Stop Freq 20.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MH	z #V	BW 1.0 MHz	Sweep 2	Stop 20.000 GHz 28.33 ms (1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 f 2 N 1 f 3 N 1 f 4 6	18,606 GHz 5,145 GHz 7,718 GHz	-31,15 dBm -34,67 dBm -37,65 dBm			Freq Offset 0 Hz
7 8 9 10 11					
MSG			STATU	5	t

30MHz~3GHz_Band38_5MHz_QPSK_1_0_MidCH38000-2595

Agilent Spectrum Analyzer - Swept SA			
Center Freq 1.515000000	GHz	ALIGN AUTO 09:42:07 AMJun 18, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 2.596 1 GHz 27.77 dBm	Auto Tune
20.0 10.0 0.00		71	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0			Start Freq 30.000000 MHz
-40.0	ngan Balan ang ang ang ang ang ang ang ang ang a	- dagen an en stillinger oppensynteren hener sold beken gerefenser i den s	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz		Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
2 3 4 5	596 1 GHz 27.77 dBm		Freq Offset 0 Hz
6 7 8 9 10 11 11	т	status	

3GHz~10GHz_Band38_5MHz_QPSK_1_0_MidCH38000-2595

🎒 Agilen		Analyzer - Swep								- # *
Cente		50 g	00000 G	Hz		SE:INT	ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/d	R	of Offset 14	PN IFG 2 dB	O:Fast ⊶ ain:Low	#Atten: 30		 1	Akr3 7.7	85 GHz	Auto Tune
20.0 10.0										Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	and the second	10 ²	3		uprende Marph				-25,00 ppm	Start Free 3.000000000 GH2
-40.0						n a marine i her ding				Stop Free 20.000000000 GHz
#Res	3.000 G BW 1.0	MHz		#VBV	V 1.0 MHz			8.33 ms (CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 9 10 11	111		× 19.235 5.190 7.786	5 GHZ 9 GHZ 5 GHZ	-31.23 dB -36.90 dB -36.69 dB	m	VEHON WIDTH	FUNCTO		Freq Offset 0 Hz
•						1			- · ·	
MSG							STATUS	5		

30MHz~3GHz_Band38_5MHz_QPSK_1_0_HighCH38225-2617.5

	ctrum An	alyzer - Swep										0 8
Center F	req 1	50 B	0000 GH	z		NSE:INT	Avg	ALIGN AU Type: Log-P		28 AM Jun 18, 20 RACE 1 2 3 4 5		Frequency
10 dB/div		Offset 14. ' 30.00 d	2 dB	VO: Fast Sain:Low	#Atten: 3					16 9 GH 7.99 dBr	z	Auto Tune
20.0 10.0										⁵ 1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25 20 df	11	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0					alara marat		40-01-01	le-e-e-e-e-e-e-e-e-e-e-e-e-e-e-e-e-e-e-	and Ann Aspendent			Stop Freq 3.000000000 GHz
Start 30 #Res BW	1.0 1		×	#VB	W 1.0 MHz	·	NCTION	Sweep	2.000 m	5 3.000 GH s (1001 pt:	5)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9 9 10	1 1		2.616	9 GHz	27.99 d	Bm						Freq Offset 0 Hz
7 8 9 10 11											•	
MSG								51	ATUS			

3GHz~10GHz_Band38_5MHz_QPSK_1_0_HighCH38225-2617.5

📖 Agilent Spec	trum Analyzer -									
Center F		00000000 G	Hz		NSE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
	Ref Offse	PI	VO: Fast Sain:Low	#Atten: 3			1	Akr3 7.8	53 GHz	Auto Tune
10 dB/div Log	Ref 30.0	0 dBm						-36.	86 dBm	
20.0										Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	2		3						-sa at	Start Freq 3.000000000 GHz
-40.0	na sandani		Unorman	a a a a a a a a a a a a a a a a a a a	*****	and the house by	st-estratethe	a de la companya de la	yuurur ayali	Stop Freq 20.000000000 GHz
Start 3.00 #Res BW			#VBV	1.0 MHz			Sweep 2	Stop 20 8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
	C SCL	× 19.81	2 CH2	-30.52 dE		TION FUI	ICTION WIDTH	FUNCTR	IN VALUE	Auto Man
2 N 1 3 N 1 4 5	1	5.23	5 GHz 3 GHz	-35.43 dE -36.86 dE	3m				=	Freq Offset 0 Hz
6 7 8 9 10										
11				19						
MSG							STATU	5		

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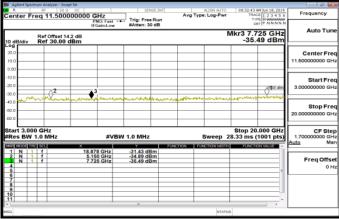
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30MHz~3GHz_Band38_10MHz_QPSK_1_0_LowCH37800-2575

🚺 Agi	ient Spe	trum A	inalyzer - S		iA													- # -
Cent	ter F	req		000	000 GH	Iz	٦.		NSE:IN		Avg		LIGN AUTO	09	TRAC	MJun 18, 20	6	Frequency
			f Offset		dB	NO: Fast Sain:Low	=	rig: Free Atten: 3	0 dB				м	kr1 2	.57	2 3 GH	a	Auto Tune
10 dE 20.0	3/div	Re	f 30.0	0 dE	3m										1	94 dBr	n	Center Freq
10.0 0.00				+													ļ	1.515000000 GHz
-10.0 -20.0				+												-25.00 dB		Start Freq 30.000000 MHz
-30.0 -40.0	and specific the		ليدولوس						econt		antor	,			Irm	and and any the		01 F
-60.0 -60.0				+														Stop Freq 3.000000000 GHz
	t 30 P s BW		MHz			#VE	3W 1.0	0 MHz				5	Sweep	S1 2.000	op 3 ms (.000 GH 1001 pts	5)	CF Step 297.000000 MHz Auto Man
1	N 1	1			2.572	3 GHz	2	25.94 dE	Зm	FUN	TION	FUN	CTION WIDTI	1	UNCTR	ON VALUE	i	
2 3 4 5	-	-							-									Freq Offset 0 Hz
5 6 7 8 9	+	+				=			-								l	
10 11	+	+		_		-	_	-10	+	_	_				_	- ,		
MSG													STAT	15				

3GHz~10GHz_Band38_10MHz_QPSK_1_0_LowCH37800-2575



30MHz~3GHz Band38 10MHz QPSK 1 0 MidCH38000-2595

M Agilent Spectrum Analyzer - Swe					
Center Freq 1.5150	00000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	09:34:42 AMJun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1/ 10 dB/div Ref 30.00	PNO: Fast IFGain:Low	#Atten: 30 dB	Mk	r1 2.593 1 GHz 27.40 dBm	Auto Tune
20.0 10.0				*1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				-25 30 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		nggi yang di siya kana kana kana kana kana kana kana ka	a dana dina di mangana da angkan da angka Ingkan di angkan da an	Annight Bernin and State	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	×	1.0 MHz	Sweep 2.	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
N 1 f 2 3 3 4 5 6 6 7 8 9 9 10 10 11 1	2.593 1 GHz	27.40 dBm		* 	Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band38_10MHz_QPSK_1_0_MidCH38000-2595

	equency
PNO: Fast +++ Trig: Free Run THE MINININ IFGain:Low #Atten: 30 dB	Auto Tune
	Center Freq 0000000 GHz
	Start Freq 0000000 GHz
	Stop Free
X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE A	CF Step 0000000 GHz Man
13.354 GHz 3-31.56 dBm 6.5190 GHz 3-36.86 dBm 7.785 GHz 3-34.36 dBm 	Freq Offset 0 Hz
er Status	

30MHz~3GHz_Band38_10MHz_QPSK_1_0_HighCH38200-2615

	trum A	nalyzer - Swep									- 4 🕰
Center F	req	50 G	0000 GH	Iz		NSE:INT	Avg	ALIGN AUTO Type: Log-Pw	r TR	AM Jun 18, 2019	Frequency
10 dB/div	Frequencies #Atten: 30 dB DEF/ PAINAN Ref Offset 14.2 dB Mkr1 2.610 9 GHz 0 dB/db/db/db/db/db/db/db/db/db/db/db/db/db/										
20.0 10.0											Center Freq 1.515000000 GHz
-10.0										-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0			a a construction of the second se	*****		شيراميت توريب	is an and a const	and a second		the second	Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0			#VB	W 1.0 MHz			<u> </u>	2.000 ms	3.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
Note N 1 1 N 1 2 3 4 5 6 6 7 7 8 9 9 10 11 1 1			2,610 1	9 GHz	26.21 d			FUNCTION WD			Freq Offset 0 Hz
a								STAT	rus		

3GHz~10GHz_Band38_10MHz_QPSK_1_0_HighCH38200-2615

🌉 Agilent Spe	ctrum Analyzer -									
Center F		0 9 DC	Hz		ISE:INT		ALIGN AUTO E: Log-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offsel Ref 30.0	14.2 dB	Ю: Fast ↔ Jain:Low	#Atten: 3			1	Mkr3 7.8	45 GHz 51 dBm	Auto Tune
20.0 10.0										Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	2°		3					-	-35,0 1 abn	Start Freq 3.000000000 GHz
-40.0		an da nya nya nya nya nya nya nya nya nya ny			he dig tig the file of t					Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	×		V 1.0 MHz		TION FUI	<u> </u>	8.33 ms (. /	CF Step 1.700000000 GHz Auto Man
1 N 2 N 4 5 6 7 8 9 9		19.09 5.23 7.84	9 GHZ 0 GHZ 5 GHZ	-31.59 dE -37.44 dE -37.51 dE	3m					Freq Offset 0 Hz
9 10 11 *				19			STATU	5		

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30MHz~3GHz_Band38_15MHz_QPSK_1_0_LowCH37825-2577.5

	ilent S	pectr	um A	nalyzer		pt SA																		- # - 2
Cen	ter	Fre	% •p€	1.51	50 S	×0 000	00 0	SHz	z		Tele	SE	NSE:1		Av	ALIGN .		09	TRA	081	18,20	6	Frequ	lency
	PNC: Fast Trg: Free Run IF Gainclow Trg: Free Run #Atten: 30 dB Composition 10 dBldiv Ref Offset 14.2 dB Mkr1 2.572 3 GHz 28.31 dBm 10 dBldiv Ref 30.00 dBm 28.31 dBm 28.31 dBm												A	uto Tune										
20.0 10.0 0.00	_																		*1-					nter Freq 0000 GHz
-10.0 -20.0 -30.0																					25 00 df	56		tart Freq 0000 MHz
-40.0 -50.0 -60.0	an se	(vertr	~~~	(1940)	Apo al	***		-				الديده	-30%	na ny	-	 ******					- and a second			top Freq 0000 GHz
Star #Re:	s B	W 1	.0			_	×		_		1.0	Y		FUN	CTION		<u> </u>	.000	op 3 ms ((100	0 GH 1 pt	5)		CF Step 0000 MHz Man
1 2 3 4 5 6	N	1	1				2.57	23	GHz		28	.31 d	Bm								_		Fre	e q Offset 0 Hz
7 8 9 10 11																								
MSG																	STATUS				•		I	

3GHz~10GHz_Band38_15MHz_QPSK_1_0_LowCH37825-2577.5

Magilent Spectrum Analyzer - S					
Center Freq 11.50	0000000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	09:20:43 AMJun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 10 dB/div Ref 30.0		#Atten: 30 dB	n	Akr3 7.733 GHz -36.04 dBm	Auto Tune
20.0 10.0 0.00					Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	**************************************		ner leviter at reference	-35 (0) (10)	Start Freq 3.000000000 GHz
-40.0					Stop Freq 20.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MHz	#VB\	W 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 f 2 N 1 f 4 5 7 8 8 9	19,337 GHz 5,155 GHz 7,733 GHz	-31.28 dBm -35.36 dBm -36.04 dBm			Freq Offset 0 Hz
9 10 11 * Msg		18	STATU		

30MHz~3GHz Band38 15MHz QPSK 1 0 MidCH38000-2595

Agilent Spectrum Analyzer - Swept SA			# #
Center Freq 1.515000000	GHz SENSE:INT	Ave Type: Log-Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 2.590 dBm 26.95 dBm	Auto Tune
20.0 10.0		*1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0			Start Freq 30.000000 MHz
-40.0 0 00000000000000000000000000000000	gata Binangang bara gang bara gang barang	and and a start of the start of	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz		Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
1 N 1 f 2. 2 1 1 1 2. 1	590 1 GHz 26.95 dBm		Freq Offset 0 Hz
MSG		STATUS	I

3GHz~10GHz_Band38_15MHz_QPSK_1_0_MidCH38000-2595

🛤 Agilent Spectrum Analyzer - Swept						
Center Freq 11.50000	0000 GHz	SENSE:1N	Avg Type	LOG-PWF	09:22:44 AM Jun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2	PNO: Fast IFGain:Low	#Atten: 30 dB		N	1kr3 7.785 GHz -35.76 dBm	Auto Tune
20.0 10.0						Center Free 11.50000000 GH
-10.0 -20.0 -30.0	∳ ³				-36 \$ abs	Start Free 3.000000000 GH
-40.0						Stop Fre 20.000000000 GH
Start 3.000 GHz #Res BW 1.0 MHz	#VBV	V 1.0 MHz	FUNCTION FUN		Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.700000000 GH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6	19.014 GHz 5.190 GHz 7.785 GHz	-31.62 dBm -34.19 dBm -35.76 dBm				Freq Offse 0 H
7 8 9 10 11						
MSG		10		STATUS	•	

30MHz~3GHz_Band38_15MHz_QPSK_1_0_HighCH38175-2612.5

	ctrum Ar	nalyzer - Swep	e SA								
Center F	⊮ req '	50 £ 1.51500	0000 GH	Z IO: Fast		NSE:3NT	Avg	ALIGN AUTO Type: Log-Pw	r TR	ACE 1 2 3 4 5 6	
10 dB/div	IFGain:Low #Atten: 30 dB Cerre MMAN Ref Offset 14.2 dB Mkr1 2.608 80 GHz 0 dB/div Ref 30.00 dBm 26.08 dBm										
20.0 10.0									*		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25.00 dbm	Start Freq 30.000000 MHz
-40.0 alreed at		(1), 11) (1)		,,, ,,,, ,,,,	*****	بعارتك داراهدم					Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0			#VB	W 1.0 MHz			Sweep	2.000 ms	3.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 6 7 8 9 9 10 11			2,608	0 GHz	26.08 d						Freq Offset 0 Hz
MSG								STAT	rus		

3GHz~10GHz_Band38_15MHz_QPSK_1_0_HighCH38175-2612.5

🌉 Agilent Spec	ctrum Analyze									
Center F	reg 11.5	50 9 DC	0 GHz		ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
			PNO: Fast IFGain:Low	#Atten: 3						Auto Tune
10 dB/div		et 14.2 dB .00 dBm						/kr3 7.8 -37.0	38 GHZ 02 dBm	
20.0										Center Freq 11.50000000 GHz
-10.0	- 02	,	A3						-35 09 (\$Pm	Start Freq 3.000000000 GHz
-40.0	~~~~~~	uraniti ing nimi		1	North South Through	a (Seal) (Sector 2 Concession)	long Piller melogikete			Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz		#VB	W 1.0 MHz			<u> </u>	8.33 ms (. /	CF Step 1.700000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6			9.354 GHz 5.225 GHz 7.838 GHz	-31.56 dE -36.84 dE -37.02 dE	3m 3m	CTION FUE	ICTION WIDTH	FUNCTO	in value	Freq Offset 0 Hz
4 5 6 7 8 9 10 11										
MSG							STATUS	5		

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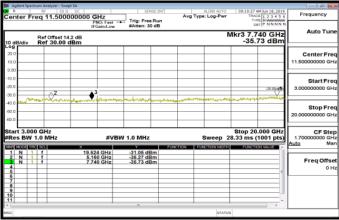
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30MHz~3GHz_Band38_20MHz_QPSK_1_0_LowCH37850-2580

	ectrum Analyzer - Swept					
Center F	Freq 1.515000	DOO GHZ	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	09:10:12 AMJun 18, 2019 TRACE 1 2 3 4 5 6 TYPE M	Frequency
10 dB/div	Ref Offset 14.2 Ref 30.00 di	IFGain:Low	#Atten: 30 dB	M	cr1 2.572 3 GHz 28.24 dBm	Auto Tune
20.0 10.0					*1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					-25.00 dbn	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	and the second			ak valende bak tir valen fille for taken	gagaigan "hinn adampinanya a s	Stop Freq 3.000000000 GHz
MKR MODE	/ 1.0 MHz	×		Sweep 2	Stop 3.000 GHz .000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6	1 f	2.572 3 GHz	28.24 dBm			Freq Offset 0 Hz
7 8 9 10 11						
MSG			10	STATU	5	

3GHz~10GHz_Band38_20MHz_QPSK_1_0_LowCH37850-2580



30MHz~3GHz_Band38_20MHz_QPSK_1_0_MidCH38000-2595

M Agilent Spectrum Analyzer - Swept SA					
Center Freq 1.515000000	GHz		ALIGN AUTO Avg Type: Log-Pwr	09:12:11 AMJun 18, 2019 TRACE 1 2 3 4 5 6 TUPE M	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm		ree Run : 30 dB	Mkr	1 2.587 2 GHz 26.86 dBm	Auto Tune
20.0 10.0				*1	Center Freq 1.515000000 GHz
-10.0				-25 00 dBm	Start Freq 30.000000 MHz
-40.0			**************************************	ang hang big " Managing Companing Ang ang ang	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MI		Sweep 2.0	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
N 1 f 2.1 2 1 1 7 2.1 3 1 1 7 2.1 4 5 5 5 6 6 7 7 7 7 9 10 10 11 11 11 1 1 1 1	587 2 GHz 26.86				Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band38_20MHz_QPSK_1_0_MidCH38000-2595

🌉 Agilent Spectru	im Analyzer - Swept SA							- 4 -
Center Fre	eq 11.500000	000 GHz	SENSE	Avg Typ	ALIGN AUTO e: Log-Pwr	09:13:57 AM TRACE	123456	Frequency
10 dB/div	Ref Offset 14.2 d Ref 30.00 dBn	PNO: Fast ++ IFGain:Low	≓ Trig: Free Ru #Atten: 30 di		N	Akr3 7.78	5 GHz 9 dBm	Auto Tune
20.0 10.0								Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	2	→ ³				and the second second	All contern	Start Freq 3.000000000 GHz
-40.0 -50.0 -60.0		Million (Service of Service)						Stop Freq 20.000000000 GHz
Start 3.000 #Res BW 1	.0 MHz	×	V 1.0 MHz	FUNCTION FU	<u> </u>	Stop 20.0 8.33 ms (10	001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6	1	18.827 GHz 5.190 GHz 7.785 GHz	-31.04 dBm -36.41 dBm -36.29 dBm					Freq Offset 0 Hz
7 8 9 10 11								
MSG					STATUS			

30MHz~3GHz_Band38_20MHz_QPSK_1_0_HighCH38150-2610

M Agilent Sper	ctrum Ar	nalyzer - Swep	e SA								0
Center F	req '	50 S	0000 GH	z		NSE:INT	Avg	LOG-Pwr	TR	ACE 1 2 3 4 5	Frequency
10 dB/div		Offset 14	2 dB	łO:Fast ∸ Jain:Low	#Atten: 3			 M	(r1 2.60	2 0 GHz	Auto Tune
20.0 10.0									*1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	*****				994-944-844-944-944-944-944-944-944-944-	*****		 	source v		Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0		×	#VB	W 1.0 MHz			weep 2	.000 ms	3.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 7 8 9 9 10 11			2,602	0 GHz	26.82 d						Freq Offset 0 Hz
MSG								STATU	s		

3GHz~10GHz_Band38_20MHz_QPSK_1_0_HighCH38150-2610

	trum Ar	nalyzer - Swep										
Center F	req '	50 g 11.5000	∞ 100000 G	Hz		NSE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRA	AM Jun 18, 2019	Frequency	
10 dB/div	IFGainLow #Atten: 30 dB Dell' Ministra Ref Offset 14.2 dB Mkr3 7,830 GHz											
20.0 10.0											Center Freq 11.500000000 GHz	
-10.0		⊘ ²		3	an and the second		, haterbox	al and the		2 ³ 500 dBm	Start Freq 3.000000000 GHz	
-40.0 -50.0 -60.0											Stop Freq 20.000000000 GHz	
Start 3.00 #Res BW	1.0	MHz		#VBV	V 1.0 MHz		ICTION FU	<u> </u>	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man	
1 N 1 2 N 1 3 N 1 4 5 6 7 7 8 9 10	1		18.74; 5.22 7.83	2 GHZ 0 GHZ 0 GHZ	-31.39 di -36.69 di -36.95 di	3m 3m					Freq Offset 0 Hz	
9 10 11 1					111			STATU	5			

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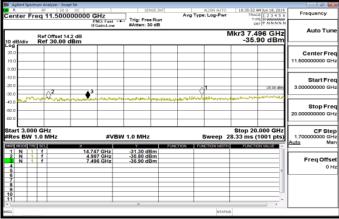
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30MHz~3GHz_Band41_5MHz_QPSK_1_0_LowCH39675-2498.5

	ectrum Analyzer - Sw							
Center F	Freq 1.5150	000000 GHz	SENSE:	Avg Type	Log-Pwr	TRAC	MJun 18, 2019 1 2 3 4 5 6 M WWWWWWW T P NNNNN	Frequency
10 dB/div	Ref Offset 1 Ref 30.00				Mkr	1 2.498	1 GHz 7 dBm	Auto Tune
20.0 10.0						¥1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0							-25.00 dbm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	an a			addine spissiched in		468 N. 3-9-9744	and bly same where the	Stop Freq 3.000000000 GHz
MKR MODE T	1.0 MHz	×	BW 1.0 MHz	FUNCTION FUN	Sweep 2.0	000 ms (1	000 GHz 1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
2 3 4 5	1 1	2.498 1 GHz	26,17 dBm				≡.	Freq Offset 0 Hz
6 7 8 9 10 11								
MSG			m		STATUS		,	

3GHz~10GHz_Band41_5MHz_QPSK_1_0_LowCH39675-2498.5



30MHz~3GHz_Band41_5MHz_QPSK_1_0_MidCH40620-2593

M Agilent Spectrum Analyzer - Swept SA			
Center Freq 1.515000000 0	GHz Trig: Free Run	ALIGN AUTO 10:38:19 AM Jun 18, 20 Avg Type: Log-Pwr TRACE 1 2 3 4	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 2.593 1 GF 27.86 dB	z Auto Tune
20.0 10.0			Center Freq 1.515000000 GHz
-10.0		-25.20 0	
40.0 60.0 60.0	an a fage a grant of the state of the second se	and the second	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz		Stop 3.000 G Sweep 2.000 ms (1001 pt	z s) 297.000000 MHz Auto Man
N 1 f 2,61 3	93 1 GHz 27.86 dBm		Freq Offset
MSG		STATUS	

3GHz~10GHz_Band41_5MHz_QPSK_1_0_MidCH40620-2593

🗱 Agilent Spectrum Analyzer - Swept S												
Center Freq 11.50000	0000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	10:38:35 AM Jun 18, 2019 TRACE 1 2 3 4 5 6	Frequency							
Ref Offset 14.2 10 dB/div Ref 30.00 dE	Internet Program Trig: Free Run IF GainLow Trig: Free Run Ref Offset 142 dB Trig: Free Run Ref Offset 142 dB 0 dB/div Ref 30.00 dBm -36.14 dBm											
20.0 10.0					Center Fred 11.50000000 GH							
-10.0 -20.0 -30.0	→ ³		and the second s	-35 (8.38m	Start Free 3.000000000 GH							
-40.0					Stop Free 20.000000000 GH							
Start 3.000 GHz #Res BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep	Stop 20.000 GHz 28.33 ms (1001 pts)	CF Stej 1.700000000 GH <u>Auto</u> Ma							
1 N 1 f 2 N 1 f 3 N 1 f 4 6 6 6	19.388 GHz 5.186 GHz 7.779 GHz	-31.26 dBm -34.71 dBm -36.14 dBm			Freq Offse 0 H							
7 8 9 10 11												
MSG			STATE	15	L							

30MHz~3GHz_Band41_5MHz_QPSK_1_0_HighCH41565-2687.5

M Agilent Spec	ctrum Analyzer - Si						
Center F	req 1.5150	000000 GHz	SENSE	Avg	ALIGN AUTO Type: Log-Pwr	10:42:45 AMJun 18, 2019 TRACE 1 2 3 4 5 0 TYPE M WWWWW	Frequency
10 dB/div	Ref Offset Ref 30.00				Mk	r1 2.688 2 GHz 27.43 dBm	Auto Tune
20.0 10.0						71	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	CHALLY DINGSON	and a state of the	بالمواقع ، والم الم الم الم الم الم الم الم الم الم	4	يەرىكەتتەرىغە-يەيە لىلىورىن	an a	Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0 MHz	#	VBW 1.0 MHz	FUNCTION	Sweep 2	Stop 3.000 GHz .000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 3 4 5 6 7 8 9 9 10		2,688 2 GHz					Freq Offset 0 Hz
11 •					STATUS		

3GHz~10GHz_Band41_5MHz_QPSK_1_0_HighCH41565-2687.5

📕 Agilent Spec	trum Anal		t SA									
Center F	req 11	50 Q 1.5000		Hz Ю:Fast ⊶		ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019 1 2 3 4 5 6 M M M M M M M M M M M M M M M M M M M	Frequency	
10 dB/div	Ref Offset 14.2 dB Mkr3 8.063 GHz											
20.0 10.0											Center Freq 11.500000000 GHz	
-10.0 -20.0 -30.0		2		3	-				- diterror	28 00 allen	Start Freq 3.000000000 GHz	
-40.0 -50.0 -60.0		~4~1~1~4	and the second	an a		alada on por cita a por					Stop Freq 20.00000000 GHz	
Start 3.00 #Res BW	1.0 M		×	#VBV	1.0 MHz		TION FUR	<u> </u>	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man	
1 N 1 2 N 1 3 N 1 4 5 6 6 7 7 8 9 9 10			18.75	9 GHz 5 GHz 3 GHz	-31.26 df -36.24 df -38.20 df	3m 3m					Freq Offset 0 Hz	
MSG								STATU	s	•		

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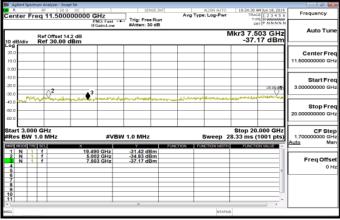
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30MHz~3GHz_Band41_10MHz_QPSK_1_0_LowCH39700-2501

🕅 Agir	ent Spectrur	m Analyzer -									
Cent	er Fre		5000000 GH	łz		ISE:INT	Avg Typ	ALIGN AUTO	TRA	AMJun 18, 2019	Frequency
10 dB			۹ ۱۴ ۱۴ ۱۴ ۱۴ ۱۴ ۱۴	NO:Fast ↔ Gain:Low	#Atten: 30) dB		м	kr1 2.49	8 1 GHz 21 dBm	Auto Tune
20.0 10.0									1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25.00 dDm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0			******		and the second	ي. ايدا طاعي ياريد عليه عليه	- anti- anti-	huing the sector of the	and begins	and an	Stop Freq 3.000000000 GHz
#Res	30 MH BW 1.	0 MHz	×	#VB	W 1.0 MHz	FUN	CTION FL	Sweep :	2.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
		1	2.498	1 GHz	26.21 dE	3m					Freq Offset 0 Hz
7 8 9 10 11											
MSG					781			STAT	15	•	

3GHz~10GHz_Band41_10MHz_QPSK_1_0_LowCH39700-2501



30MHz~3GHz Band41 10MHz QPSK 1 0 MidCH40620-2593

Agilent Spectrum Analyzer - Swept SA			0 8
Center Freq 1.515000000 0	GHz	ALIGN AUTO 10:26:52 AMJun 18, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 2.590 d GHz 26.88 dBm	Auto Tune
20.0 10.0			Center Freq 1.515000000 GHz
-10.0		-35 00 dBm	Start Freq 30.000000 MHz
-40.0	harring and a support of the Shirler and the S	ah, aquaquaa aha aha aha aha aha aha aha aha aha	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz		Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
N 1 f 2,61 3	90 1 GHz 26.88 dBm		Freq Offset 0 Hz
MSG		STATUS	

3GHz~10GHz_Band41_10MHz_QPSK_1_0_MidCH40620-2593

M Agilent Spectrum								- 4
Center Freq	50 Q DC	0 GHz	SENSE	Avg	ALIGN AUTO Type: Log-Pwr	TRACE	23456	Frequency
10 dB/div Re	f Offset 14.2 dB of 30.00 dBm	PNO: Fast ++ IFGain:Low	≓ Trig: Free Ri #Atten: 30 d			Mkr3 7.779 -36.31		Auto Tune
20.0 10.0								Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0		♦ ³				الماليد في المالي الم	ratio ann	Start Freq 3.000000000 GHz
-40.0 -50.0 -60.0	reson a company			are-saterbury.com	5. al ha da			Stop Free 20.000000000 GHz
Start 3.000 G #Res BW 1.0	MHz		V 1.0 MHz		Sweep	Stop 20.0 28.33 ms (10	01 pts)	CF Step 1.700000000 GH: Auto Mar
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6		8,844 GHz 5,186 GHz 7,779 GHz	-31.08 dBm -36.15 dBm -36.31 dBm					Freq Offsel 0 Hz
7 8 9 10 11								
MSG					STAT	us		

30MHz~3GHz_Band41_10MHz_QPSK_1_0_HighCH41540-2685

M Agilent Sper	ctrum Anai		t SA								0 6 8
Center F	req 1.	50 S	0000 GH	z		NSE:INT	Avg	ALIGN AUTO Type: Log-Pwr	TRA	AMJun 18, 2019 CE 1 2 3 4 5 6 PE M	Frequency
10 dB/div		fiset 14. 30.00 d	1FC 2 dB	VO: Fast Sain:Low	#Atten:			м	kr1 2.68	2 2 GHz 73 dBm	Auto Tune
20.0 10.0										⁶ 1	Center Freq 1.515000000 GHz
-10.0										-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	14,940,940,4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			****		4	نوارد _و رورورو <mark>روارور</mark>	and and a second se	len i sugnetione (h	Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 M	Hz		#VB	W 1.0 MH	-		<u> </u>	2.000 ms	3.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
Core More H 1 N 1 2 3 3 4 5 6 6 7 8 9 9 10 10 11 4			× 2.682 ;	2 GHz	27.73 d		ANC. TRON			CON VALUE A	Freq Offset 0 Hz
MSG								STAT	us		

3GHz~10GHz_Band41_10MHz_QPSK_1_0_HighCH41540-2685

	ctrum An	alyzer - Swep									- # -
Center F	req 1	1.5000				ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div		Offset 14. 30.00 d	1FC 2 dB	Ю: Fast ↔ ain:Low	#Atten: 3	0 dB			Mkr3 8.0	55 GHz 28 dBm	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	w	^ 2		3	and the second		101		المراجع معرفي الم	-25 20,42%	Start Freq 3.000000000 GHz
-40.0 -40.0 -50.0 -60.0			and and a second								Stop Freq 20.00000000 GHz
Start 3.00 #Res BW	1.0 N			#VBV	V 1.0 MHz		TION FUE	<u> </u>	28.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 7 8 9 9 10			19,52, 5,37 8,05	4 GHz 0 GHz 5 GHz	-31.35 dF -36.68 dF -36.28 dF	3m 3m				=	Freq Offset 0 Hz
8 9 10 11					m			STATU	5		

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30MHz~3GHz_Band41_15MHz_QPSK_1_0_LowCH39725-2503.5

	ectrum Analyzer - S									
Center I	RF 50	000000 GH	z		ISE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offset Ref 30.00	14.2 dB	0: Fast ↔ ain:Low	#Atten: 30) dB		м	kr1 2.49	B 1 GHz 56 dBm	Auto Tune
20.0 10.0								71		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0									-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	www.pet.com				لىقەر قى مىتىلغى	-	Lunter and	AND DURING	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Stop Free 3.00000000 GHz
Start 30 #Res BV	/ 1.0 MHz	×	#VBV	/ 1.0 MHz	FUN		Sweep 2	2.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
2 3 4	1 1	2,498 1	GHz	27.56 dE	3m				≡.	Freq Offsel 0 Hz
5 6 7 8 9 10 11										
MSG				111			STATU	5	•	

3GHz~10GHz_Band41_15MHz_QPSK_1_0_LowCH39725-2503.5

🌉 Agilent Spe	ctrum Analyzer - Swep								
Center F	req 11.5000	00000 GHz		ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
	Ref Offset 14	PNO: Fas IFGain:Lo 2 dB				N	1kr3 7.5	11 GHz 73 dBm	Auto Tune
20.0 10.0	Ref 30.00 c	iBm					-30.	73 abm	Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	2	• ³	المردورية والمروم والمروط	Gendedanten	Louis and Street	المرجع المرجع المرجع		-25.00 dBn	Start Freq 3.00000000 GHz
-40.0									Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	#\ ×	/BW 1.0 MHz	FUNC		Sweep 2	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 6 7 7 8 9 10 11 1		17.212 GHz 5.007 GHz 7.511 GHz	-31.30 dE -34.85 dE -36.73 dE	3m					Freq Offset 0 Hz
MSG						STATUS	1		

30MHz~3GHz Band41 15MHz QPSK 1 0 MidCH40620-2593

	ctrum Analyzer -									
Center F		0 0 DC	łz		ISE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offse Ref 30.0	IF	NO:Fast ↔ Gain:Low	#Atten: 3			M	(r1 2.58)	7 2 GHz 75 dBm	Auto Tune
20.0 10.0								1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0									-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		سايدار، والمواري حاور .			, 10, 5 , 400, 4 , 0	al an an t-suite	n gengelinge byen h	Jan wad hull	all a construction of the second	Stop Freq 3.00000000 GHz
Start 30 P #Res BW	1.0 MHz	*	#VBV	/ 1.0 MHz	FUE		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9 10 11 1 1		2.587	2 GHz	26.75 dE						Freq Offset 0 Hz
MSG							STATU	s		

3GHz~10GHz_Band41_15MHz_QPSK_1_0_MidCH40620-2593

🌉 Agi	lent Sp	ectrum		yzer - Swe																- 4
Cent	ter	Frec	⊮ 111	50 £		000 G	Hz		1	NSE:18		Avg		LIGN AUT		TR	ACE	2 3 4 5	6	Frequency
10 dE		R	tef O	ffset 14 30.00	4.2 dB	Pi IFi	NO: Fas Sain:Lo	w	#Atten: 3						м	kr3 7.	779	GH	z	Auto Tune
20.0 10.0																				Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0		cher.		2 ²			8	_										-25,0010	5	Start Free 3.000000000 GHz
-40.0 -50.0 -60.0		~~~		Sere Pro		ringing a		higo ana	ereforen en e		Permit				****					Stop Free 20.000000000 GHz
Star #Res	s BV	V 1.0	M		_		#\	/BW	1.0 MHz	:						Stop 2 .33 ms	(10	01 pts	5)	CF Step 1.700000000 GH: Auto Mar
2	N N N		1 1 1			5.18	8 GHz 6 GHz 9 GHz		-31.91 d -35.21 d -37.93 d	Bm	FUNC		FUN			FUNC		ALUE		Freq Offset 0 Hz
*															ATUS					
Mona														517	1115					

30MHz~3GHz_Band41_15MHz_QPSK_1_0_HighCH41515-2682.5

Agilent Spectrum Analyzer - Swept SA						
Center Freq 1.515000000	GHz	SENSE:	Avg	ALIGN AUTO Type: Log-Pwr	10:20:10 AMJun 18, 201 TRACE 1 2 3 4 5	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast	#Atten: 30 dE		Mk	r1 2.676 3 GHz 26.44 dBm	Auto Tune
					T 1	Center Freq 1.515000000 GHz
-10.0					-25 00 eBr	Start Freq 30.000000 MHz
-40.0 (1000) (10	**************************************		an and a second s		andrikkanan baranga k	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz	51 M/T M/M	Sweep 2	Stop 3.000 GHz .000 ms (1001 pts	CF Step 297.000000 MHz Auto Man
	576 3 GHz	26.44 dBm				Freq Offset 0 Hz
MSG				STATUS		

3GHz~10GHz_Band41_15MHz_QPSK_1_0_HighCH41515-2682.5

🌉 Agilent Spe	ctrum Analy:		A								
Center F	req 11	50000	∞ 0000 GI	Hz		ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019 E 1 2 3 4 5 6 E M	Frequency
10 dB/div		fset 14.2 0.00 dB	dB	O: Fast ↔	#Atten: 3				Mkr3 8.0	T P NNNN N	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0		2	_	3						-2500 1 00m	Start Freq 3.000000000 GHz
-40.0		Service and a second	a a construction of the	an		Antoria and					Stop Freq 20.00000000 GHz
Start 3.00 #Res BW	1.0 MH	Iz	×	#VBV	V 1.0 MHz	FLIN	CTION FUI		8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6			19,184 5,366 8,048	4 GHz 5 GHz 8 GHz	-31,30 dE -36,43 dE -37.04 dE	3m				_	Freq Offset 0 Hz
5 6 7 8 9 10 11											
MSG								STATU	s		I

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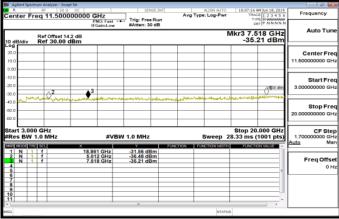
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30MHz~3GHz_Band41_20MHz_QPSK_1_0_LowCH39750-2506

🎫 Ag	i e	nt Sj	pect	run	h Ar	alys	er -			A																												1		3	×
Cen	nte	ər	Fr	e	14F	1.5		50 s 50 s		00)0	G	١z],	Tele	s : En	ENSI				Avg	тур		IGN A			10	TR	ACE	1 Jun	3.4	5.6			Fre	que	ncy	
10 di	B/	div	,				fse 0.0					ii F	Ga	in:L	ow	-+			en:									М	kr	1 2	49	De1	1 0 8 0	GH	N N	í			Aut	o Tu	ine
20.0 10.0 0.00	E																					_															1.9			er Fr	
-10.0 -20.0 -30.0																_															1		_	5 00 0						rt Fr 100 M	
-40.0 -50.0 -60.0	•	1.000		-40-	-4	4	AT _Y			-	~				-	-			-		p. 41	 pasts		, that is	4.04			~~~			140				-		3.0			p Fr 000 G	
Star #Re	s	B	N	1.0	0 1	лн	z				4			#	¢٧	BW	/ 1.	.0	ин	z	_	 0.00	-	N	FU	_		-	_	00	mis	(1	000	l pl	lz ts)	ļ	2 Auto			F St 100 M N	
1 2 3 4 5 6	N	•	1		1		_	_	_	_	2.4	198	1	GH	z			26	88 (∃Br	n	_				_						_						F	req	0 11 0	set Hz
7 8 9 10 11																						_												_							
MSG																												TATL	15					,		L	_	_			

3GHz~10GHz_Band41_20MHz_QPSK_1_0_LowCH39750-2506



30MHz~3GHz_Band41_20MHz_QPSK_1_0_MidCH40620-2593

M Agilent Spectrum Analyzer - Swept SA			
Center Freq 1.515000000 GHz	SENSE:1NT	Ava Type: Log-Pwr TR	AMJun 18, 2019 ACE 1 2 3 4 5 6 Frequency
IFGa Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	: Fast → Trig: Free Run iin:Low #Atten: 30 dB	Mkr1 2.58	Auto Tune
20.0 10.0		*1	Center Freq 1.515000000 GHz
-10.0			Start Freq 30.000000 MHz
-40.0 (10-00-00-00-00-00-00-00-00-00-00-00-00-0		and a contract of the second for a shift the	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz MINI MOUSE THE SELL X	#VBW 1.0 MHz	Sweep 2.000 ms	3.000 GHz (1001 pts) 297.000000 MHz Auto Man
N I I 2.687.2 3			FreqOffset 0Hz
MSG		STATUS	

3GHz~10GHz_Band41_20MHz_QPSK_1_0_MidCH40620-2593

M Agilent Spectrum Analyze					
R R	S0 g DC	SENSE:INT	ALIGN AUTO	10:09:17 AMJun 18, 2019	
Center Freq 11.			Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
eenter ried rin	PNO: Fast	Trig: Free Run #Atten: 30 dB		DET P NNNNN	
	IFGain:Lov	#Atten: 30 dB			Auto Tune
Ref Off	set 14.2 dB		N	/kr3 7.779 GHz	Auto Tune
10 dB/div Ref 30	0.00 dBm			-35.37 dBm	
20.0					
					Center Freq
10.0					11.500000000 GHz
0.00					
-10.0					
-20.0					Start Freq
				-25,60 Dr	3.00000000 GHz
Solo mone the		ووستعرف والمعياقة ويوافلا للجعور الازر مواحرهم	a strahetaten onala	a contention of the second	
-40.0	And a state of the				01 E
-60.0					Stop Freq
-60.0					20.00000000 GHz
55.5					
Start 3.000 GHz				Stop 20.000 GHz	CF Step
#Res BW 1.0 MH	z #V	'BW 1.0 MHz	Sweep 2	8.33 ms (1001 pts)	1.700000000 GHz
MKR MODE THE SEL	×	Y FU	ETION FUNCTION WOTH	FUNCTION VALUE	<u>Auto</u> Man
1 N 1 f	19.269 GHz	-31.23 dBm		1	
2 N 1 1 3 N 1 1	5.186 GHz 7.779 GHz	-36.86 dBm -35.37 dBm			Freq Offset
4	1.(/9 GHZ	-35.37 dBm			0 Hz
5				4	0112
6					
8					
9					
10					
1				•	
MSG			STATUS	5	

30MHz~3GHz_Band41_20MHz_QPSK_1_0_HighCH41490-2680

		nalyzer - Swep									- 4 -
Center F	req '	50 £ 1.51500	0000 GH	z		ISE:INT	Avg T	ALIGN AUTO ype: Log-Pwr	TRA	MJun 18, 2019	Frequency
10 dB/div		Offset 14	2 dB	Ю:Fast ∽ Jain:Low	#Atten: 3			м	kr1 2.67	3 3 GHz 26 dBm	Auto Tune
20.0 10.0										1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		Married Married				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	k and cond			Mpopulation	Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0			#VB	W 1.0 MHz				2.000 ms (CF Step 297.000000 MHz Auto Man
MORE MORE T			2,673	3 GHz	27.26 dE		TION	EUNCTION WDTH	PUNCT	ON VALUE	
2 3 4 5	+									<u> </u>	Freq Offset 0 Hz
5 6 7 8 9	+			-							
11	1			-		1	- 1				
MSG								STATU	s		

3GHz~10GHz_Band41_20MHz_QPSK_1_0_HighCH41490-2680

	ctrum An	alyzer - Swep									
Center F	req 1	1.5000				ISE:INT		ALIGN AUTO CLOG-PWF	TRAC	MJun 18, 2019	Frequency
10 dB/div		Offset 14. 30.00 d	1FC 2 dB	Ю: Fast ↔	#Atten: 3	0 dB			Mkr3 8.0	40 GHz 64 dBm	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	ALLEN	²		3	مريد الامير الامي		°₁.		م م	-25.00 dBm	Start Freq 3.000000000 GHz
-40.0 -50.0 -60.0	~	- Construction									Stop Freq 20.00000000 GHz
Start 3.00 #Res BW	1.0 N			#VBV	V 1.0 MHz		CTION FUI	<u> </u>	28.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 9			13.64 5.36 8.04	2 GHz 0 GHz 0 GHz	-31.07 dE -36.08 dE -36.64 dE	3m 3m			FUNCT		Freq Offset 0 Hz
9 10 11 *					m			STATU	s	•	

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30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_LowCH131979-1710.7

	rum Analyzer - Swept SA								
Center Fr	req 1.5150000		SENSE:IN		Avg Type: L	IGN AUTO	TRAC	MJun 18, 2019 = 1 2 3 4 5 6 = M	Frequency
10 dB/div	Ref Offset 14 dE Ref 30.00 dB	IFGain:Low	#Atten: 30 dB			Mk	r1 1.711	0 GHz 67 dBm	Auto Tune
20.0 10.0				71					Center Fred 1.515000000 GH:
-10.0 -20.0 -30.0								-10.00 ilDin	Start Free 30.000000 MH:
-40.0 -50.0 -60.0		an a		al en		15 hayyar 74.4	1. Januar (Marine Maria	ng far eine fan eine	Stop Fre 3.000000000 GH
Start 30 M #Res BW	1.0 MHz	#VBW	/ 1.0 MHz	FUNCTO	SV	<u> </u>	Stop 3 000 ms (.000 GHz 1001 pts)	CF Ste 297.000000 MH <u>Auto</u> Ma
1 N 1 2 3 4 5 6	1	1.711 0 GHz	26.67 dBm					≡.	Freq Offse 0 H
7 8 9 10 11								<u>.</u>	
NSG						STATUS		•	

3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_LowCH131979-1710.7

🌉 Agie	ent Spectr	um Ar			A														- # -
Cente	er Fr	eq '		0 Ω 0000	0000		Z Fast	Tria	SENS	E:INT		Avg T		LIGN AUTO	r	TRA	PMJun 18 CE 1 2 3 PE MWW	456	
10 dB/	/div		Offset		в	IFGair	n:Low	#Att	en: 30	dB					Mk	r3 5.1	132 G	Hz	Auto Tune
20.0 - 10.0 -																			Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	<u></u>		∳ ³		Letter :		le ren e					James	~~~~			والدرو بعلم	01	0-0m	Start Freq 3.00000000 GHz
-40.0 - -60.0 -																			Stop Freq 20.000000000 GHz
Start #Res		1.0 1	٨Hz		×		#VB	V 1.0 P	ИНz		et no	TION	_	weep	28.3	3 ms	0.000 C	pts)	CF Step 1.700000000 GHz Auto Man
2 3 4 5 6 7 8 9	N 1 N 1 N 1	1 1			3	.674 0 .421 0 .132 0	3Hz	-40.	59 dB 45 dB 74 dB	m									Freq Offset 0 Hz
10 11 •								1	n	-				STAT	rus			+	

30MHz~3GHz Band66 1 4MHz QPSK 1 0 MidCH132322-1745

🕅 Agilent Spec	ctrum Analyzer - Swept SA						
Center F	req 1.5150000		SENSE: IN		ALIGN AUTO Avg Type: Log-Pwr	02:43:05 PMJun 18, 201 TRACE 1 2 3 4 5	Frequency
10 dB/div	Ref Offset 14 dB Ref 30.00 dBr	IFGain:Low	#Atten: 30 dB		м	kr1 1.746 7 GHz 26.33 dBm	Auto Tune
20.0 10.0				71			Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						-10.00 (6)	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		1,21,241,244 (1999) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997)		مماليم	And and the second s	an a	Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0 MHz	#VBW	1.0 MHz	FUNCTION		Stop 3.000 GHz 2.000 ms (1001 pts	
1 N 1 2 3 4 5 5 6 7 8 9 9 10		1.746 7 GHz	26.33 dBm				Freq Offset 0 Hz
9 10 11 *			m.		STAT	15	

3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_MidCH132322-1745

Magilent Spectrum Analyzer - Swept SA				
Center Freq 11.500000000	GH7	ALIGN AUTO Avg Type: Log-Pwr	02:43:20 PM Jun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14 dB	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB	м	kr3 5.235 GHz	Auto Tune
10 dB/div Ref 30.00 dBm 20.0 10.0			-37.70 dBm	Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	مريدين وجوية المراكو في مراكز مرود المراجع		-1360-604	Start Free 3.000000000 GH:
-40.0				Stop Free 20.000000000 GH
Start 3.000 GHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Sweep 28	Stop 20.000 GHz .33 ms (1001 pts)	CF Step 1.700000000 GH Auto Mai
2 N 1 f 3.	912 GHz -31.68 dBm 490 GHz -39.78 dBm 236 GHz -37.70 dBm	UNCTION FUNCTION WIDTH		Freq Offse 0 H
MSG	#	STATUS	,	

30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_HighCH132665-1779.3

🛤 Agilent Sper	ctrum Analyzer						
Center F		50 0 DC 5000000 GHz		ISE:INT AV	aLIGN AUTO g Type: Log-Pwr	02:49:38 PMJun 18, 2011 TRACE 1 2 3 4 5 1	Frequency
10 dB/div	Ref Offse Ref 30.	IFGain) dB	Mk	r1 1.779 3 GHz 25.94 dBm	Auto Tune
20.0 10.0				×1			Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						-10.00 (Dr)	Start Freq 30.000000 MHz
-40.0		and the second		يديناليد مرد سر	ensenleg nijvelsersenlikk	analise and a subsection of the second	Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 MHz	*	#VBW 1.0 MHz	FUNCTION	Sweep 2	Stop 3.000 GHz .000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9 9 10	1 f	1.779 3 G	Hz 25.94 dB				Freq Offset 0 Hz
8 9 10 11 •					STATUS		

3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_HighCH132665-1779.3

🌉 Agilent Spe	ctrum Analy		SA								- 4 -
Center F	req 11	.5000				ISE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div		ffset 14 30.00 d	dB	O: Fast ↔ iain:Low	#Atten: 3	0 dB		1	Mkr3 5.3	T P NNNNN	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0		♦ ³			and the second second			tent of a state	b. Introduction		Start Freq 3.000000000 GHz
-40.0			and the same of the local sectors.								Stop Freq 20.00000000 GHz
Start 3.0 #Res BW	1.0 MH	Hz .		#VBV	1.0 MHz			<u> </u>	8.33 ms (. /	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 9 10 11 *			× 18,861 3,555 6,334	GHz GHz GHz	-31.43 dE -39.16 dE -35.91 dE	3m 3m			FUNCT	****	Freq Offset 0 Hz
MSG								STATU	5		

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30MHz~3GHz_Band66_3MHz_QPSK_1_0_LowCH131987-1711.5

🌉 Agi	ient Sp	ectrum	Ani	ilyzer - S		SA																	- # -
Cent	ter F	Free	11		000	000	0 Gł	Ηz				NSE:1N1	1	A	vg Typ		IGN AUTO		TR	ACE 1	n 18, 201 2 3 4 5	6	Frequency
							P	NO: I Gain:	low ∺	- 14	ig: Fre tten: 3	e Run I0 dB									NNNN	_1	Auto Tune
10 dE	3/div	R	ef (offset 30.0	14 c 0 di	iB Bm											N	/kr	1 1.71 25	1 0 .86	dBn		Auto Tune
20.0 10.0													71										Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					-																-13-00 (E)		Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	langert too	anna an A	-		~		0712 ⁴⁴	••		-	61000-4		يديا الم		فمرابرازه		- Andrews	***	مىلى <u>دە</u> رىخە		1.986.000		Stop Freq 3.000000000 GHz
Star #Res	s BW	/ 1.0	M	IHz		×		_	#VB\	V 1.0	MHz	-	FUN			_	veep	_	Stop 000 ms	(10		Ш	CF Step 297.000000 MHz Auto Man
1 2 3 4	N						1.711	0 GI	Hz	2	5.86 d	Bm										ĺ	Freq Offset 0 Hz
5 6 7 8 9 10 11											181												
MSG																	STA	TUS					

3GHz~10GHz_Band66_3MHz_QPSK_1_0_LowCH131987-1711.5

Magilent Spectrum Analyzer - Swe	ept SA				
Center Freq 11.500	000000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	02:26:21 PMJun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1/ 10 dB/div Ref 30.00	PNO: Fast ++ IFGain:Low	#Atten: 30 dB	N	Akr3 5.135 GHz -36.01 dBm	Auto Tune
					Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0			لى مى المارى الم	-10:00 1000	Start Freq 3.00000000 GHz
-40.0					Stop Freq 20.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 F 3 N 1 F 3 N 1 F 5 6 7 7 8 9 10	19,864 GHz 3 423 GHz 6.136 GHz	-32.05 dBm -33.82 dBm -36.01 dBm			Freq Offset 0 Hz
MSG			STATUS	۰ ۱	

30MHz~3GHz_Band66_3MHz_QPSK_1_0_MidCH132322-1745

Agilent Spectrum Analyzer - Swept SA			
Center Freq 1.515000000 (GHz PNO: Fast Trig: Free Run	ALIGN AUTO 02:29:10 PM Jun 18, 2019 Avg Type: Log-Pwr TRACE [1 2 3 4 5 6 Type: Log-Pwr TRACE [1 2 3 4 5 6	Frequency
Ref Offset 14 dB 10 dB/div Ref 30.00 dBm	IFGain:Low #Atten: 30 dB	Mkr1 1.746 7 GHz 25.75 dBm	Auto Tune
20.0 10.0		*1	Center Freq 1.515000000 GHz
-10.0		-19.00 (Db)	Start Freq 30.000000 MHz
-40.0 -60.0 -60.0	annyn agear an	A when the second of the second	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
I N 1 f 1.7. 3 - - - - 1.7. 3 - </td <td>46 7 GHz 25.75 dBm</td> <td></td> <td>Freq Offset 0 Hz</td>	46 7 GHz 25.75 dBm		Freq Offset 0 Hz
MSG		STATUS	

3GHz~10GHz_Band66_3MHz_QPSK_1_0_MidCH132322-1745

				_	_			_				
									Analyzer - Swi	ipectrum.	pilent S	🚛 Ag
Frequency	Jun 18, 2019	02:30:51 P	ALIGN AUTO		NSE:INT	SE			F 50 £			R
Frequency	123456	TRAC	: Log-Pwr	Avg Typ		Trig: Fre	Hz)00000 G	11.500	Freq	iter	Cen
	PNNNN	De				#Atten: 3	NO: Fast * Sain:Low	P				
Auto Tun					0 00	and the second second	AINLOW					_
- Auto Full		/kr3 5.2	N					dB	f Offset 1	Re		
	4 dBm	-36.2						dBm	f 30.00	v Re	B/div	
												Log
Center Fre					-						-	20.0
11.500000000 GH												10.0
												0.00
Start Fre	-10.00 (Dr)				-			-				-10.0
3.000000000 GH												-20.0
3.00000000 GP	- O' I								▲3		L 1	-30.0
	1 months and	ماد بليب اليمين	and states	a make the st		ير ودادا بر م		ودر السيدية و		2 de la	\triangle	-30.0
Stop Fre									-		~	-40.D
					-						L-	-50.0
20.00000000 GH											L 1	-60.0
												-00.0
CF Ste	000 GHz	Stop 20							Hz	000 G	131	Star
1.70000000 GH			Sweep 2			/ 1.0 MHz	#VB			W 1.0		
Auto Ma	. /		<u> </u>								_	
	N VALUE	FUNCTIO	ACTION WIDTH	TION FU		Y		×		TRC 50		1
					Bm	-30.06 dl	1 GHz	19.37			N	2
Freq Offs						-36.24 di	5 GHz			117	Ň	3
01											-	4
	-				-				-	++	-	5
					-				+		-	7
												8
					_				-	+	_	9 10
									+	++	-	10
	•									· · ·	-	
			STATUS									usg

30MHz~3GHz_Band66_3MHz_QPSK_1_0_HighCH132657-1778.5

📕 Agilent Sper	ctrum Anal		SA									0 6
Center F	req 1.	50 £	0000 GH	z		NSE:1NT	A		ALIGN AUTO	TRA	PM Jun 18, 2019 CE 1 2 3 4 5 6	Frequency
10 dB/div	Ref 0	ffset 14 30.00 d	iFG dB	O:Fast - ain:Low	#Atten: 3				Mk	r1 1.77	9 3 GHz 08 dBm	Auto Tune
20.0 10.0							1					Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0											-10.00 iDm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		an a	*****				al la ance	a da an da ag	48,4-149358++4	ere refer e rom	her-printer.wA-	Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 M	Hz	×	#VB	W 1.0 MHz		UNCTION		Sweep 2	.000 ms (.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 7 8 9 10 11			1.779 3	3 GHz	26.08 d						+	Freq Offset 0 Hz
MSG									STATUS			

3GHz~10GHz_Band66_3MHz_QPSK_1_0_HighCH132657-1778.5

🌉 Agilent Spe	ctrum Analy		t SA								
Center F	req 11	50 £	00000 G	Hz		NSE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div		ffset 14 30.00 d	dB	O: Fast ↔ iain:Low	#Atten: 3	0 dB		N	/kr3 5.3	36 GHz 77 dBm	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	- An	≜ ³ —		at anti-las	alwy way will be seen		و بار مرد ا	- the standa			Start Freq 3.000000000 GHz
-40.0		*****				9475.000 (Fully and					Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 M		×	#VBV	1.0 MHz			Sweep 2	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 7 8 9 9 10			19.28	5 GHz 5 GHz	-31.78 df -38.98 df -35.77 df	3m 3m					Freq Offset 0 Hz
MSG								STATUS			

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30MHz~3GHz_Band66_5MHz_QPSK_1_0_LowCH131997-1712.5

	ent Spec	trum A	inalyzer ·		SA .																- # *
Cent	er Fi	req		50 Q 500(0000) GH	z	at -+	1	ENSE:18			Avg T		LIGN AUTO		02:08:09 TR	ACE 1	18,2019	6	Frequency
10 dB	/div		f Offse f 30.0				VO: Fa		#Atten:	30 dB		_			N	lkr	1 1.71	10	GHz dBm	al	Auto Tune
20.0 10.0											1										Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						_								_					10.00 ilDin		Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		erta r	ayers a	<i></i>					****		وطالعهم			ەر ايو. ا	6	-	an a start and a start and		e-cabe		Stop Freq 3.00000000 GHz
Start #Res	BW	1.0			×		#	VBW	1.0 MH	z	FUN	1010	ON	_	weep		Stop 00 ms	(100	1 pts)		CF Step 297.000000 MHz Suto Man
2 3 4 5	N 1	1			1	.711 (0 GH;	z	26.72	iBm									=	ľ	Freq Offset 0 Hz
6 7 8 9 10 11														_							
MSG	-	-					-	-	10						STA	rus			,	L	

3GHz~10GHz_Band66_5MHz_QPSK_1_0_LowCH131997-1712.5

M Agilent Spectrum Analyzer -	Swept SA				- 4 - 2
Center Freq 11.50	0 0 0C 0C 0C	SENSE:1NT	ALIGN AUTO Avg Type: Log-Pwr	02:08:44 PMJun 18, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offse 10 dB/div Ref 30.0		#Atten: 30 dB	,	Mkr3 5.138 GHz -36.01 dBm	Auto Tune
20.0 10.0					Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0			الاستهير ويراجع ومعالم	1	Start Freq 3.000000000 GHz
-40.0					Stop Freq 20.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MHz	#VI	BW 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Step 1.700000000 GHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 N 1 f 4 1 f f 5 6 6 f 7 8 9 10 11 10 11	19.167 GHz 3.425 GHz 5.138 GHz	-31.94 dBm -38.13 dBm -36.01 dBm			Freq Offset 0 Hz
MSG			STATU	s	

30MHz~3GHz_Band66_5MHz_QPSK_1_0_MidCH132322-1745

Agilent Spectrum Analyzer - Swept SA			- -
Center Freq 1.515000000	GHz Trig: Free Run	ALIGN AUTO 02:12:29 PMJun 18, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14 dB 10 dB/div Ref 30.00 dBm	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 1.743 GHz 26.21 dBm	Auto Tune
20.0 10.0			Center Freq 1.515000000 GHz
-10.0		-13.00 (De	Start Freq 30.000000 MHz
40.0 40.0	**************************************	Le company and a company a	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
N I <thi< th=""> <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<></thi<>	143 7 GHz 26 21 dBm		Freq Offset 0 Hz
MSG		STATUS	

3GHz~10GHz_Band66_5MHz_QPSK_1_0_MidCH132322-1745

Agilent Spectrum Analyzer - Swept SA					
R RF 50 Ω DC			ALIGN AUTO 02:1	2:43 PM Jun 18, 2019	Frequency
Center Freq 11.500000000 G	SHZ Trig: Free		: Log-Pwr	TRACE 1 2 3 4 5 6	riequency
p	NO: Fast Trig: Free Gain:Low #Atten: 30			DET P NNNNN	
	Gaint Dw writen. or				Auto Tun
Ref Offset 14 dB				5.235 GHz	Auto Tun
10 dB/div Ref 30.00 dBm			-1	34.22 dBm	
Log					
20.0				_	Center Fre
10.0					11.50000000 GH
					11.0000000000
0.00					
-10.0				-10.00 (Din	Start Fre
-20.0					
A3				0	3.000000000 GH
-30.0 2	الإمكامو الرسورية مجمل وسورة للرساس	and a strend of			
-40.0 and the state of the stat		an she was a fair of the second	owner also show that we		
-50.0					Stop Fre
					20.000000000 GH
-60.0					
Start 3.000 GHz				20.000 GHz	CF Ste
#Res BW 1.0 MHz	#VBW 1.0 MHz	1	Sweep 28.33 n		1.700000000 GH Auto Ma
MKR MODE THC SCL X	Y	FUNCTION FUN	CTION WOTH FU	NCTION VALUE	Auto Ma
1 N 1 f 18.82	7 GHz -30.34 dB	3m			
2 N 1 1 3.49	0 GHz -40.35 dB				Freq Offse
3 N 1 f 6.23	35 GHz -34.22 dB	3m			
5		_			01
6					
7					
8					
10					
11					
(* L				•	
MSG			STATUS		

30MHz~3GHz_Band66_5MHz_QPSK_1_0_HighCH132647-1777.5

Enter Freq 1.515000000 GHz (Foundation of the state) Trig: Pree Run Ref Offset 14 dB Avig Type: Log-Pwr (Trig: Pres Run Ref Offset 14 dB Freq (1.515000000 GHz (P) NBMU Freq (1.515000000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Freq (1.51500000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Freq (1.51500000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Freq (1.51500000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Freq (1.51500000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Freq (1.5150000 GHz (P) NBMU Avig Type: Log-Pwr (P) NBMU Trig: Pres Run Ref Offset 14 dB Center Freq (1.51500000 GHz (P) 0.0000 GH		ctrum A	nalyzer - Swep	it SA								
Ref Offset 14 dB Mkr1 1.776 4 GHz Auto Tune 0 48/div Ref 30.00 dBm 26.47 dBm Center Freq 0 48/div Ref 30.00 dBm 1 1 1 0 48/div Ref 30.00 dBm 1	Center F	req	50 Q	0000 GH	z			Avg		TRAC	E 1 2 3 4 5 6	Frequency
Total Total Center Freq 1	10 dB/div			dB	VO: Fast Sain:Low				 Mk	r1 1.77	6 4 GHz	Auto Tune
Image: start Image: start<	20.0 10.0							¥1				
N 1	-10.0 -20.0 -30.0											
Stress BW 1.0 MHz #VBW 1.0 MHz Sweep 2.000 ms (1001 pts) 227/0000 Ms/1001 pts) 227/	-40.0 -50.0 -60.0	and generalized	a a the second second	and the second secon	1.1.4.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	مادينيون دو. ديندوسي	ng dan seritana	Reserve	 <u></u>	an a	onterestation	
I I	#Res BW	1.0			#VE				<u> </u>	000 ms (1001 pts)	297.000000 MHz
STATUS				1.776	4 GHz	26.47 di				-		

3GHz~10GHz_Band66_5MHz_QPSK_1_0_HighCH132647-1777.5

📕 Agilent Spectr	um Analyzer - Swep	et SA								
Center Fre	eq 11.5000	00000 GHz			ISE:INT		ALIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offset 14	PNO: I IFGain: dB	ant	Trig: Free #Atten: 30				Mkr3 5.3	33 GHz 17 dBm	Auto Tune
20.0 10.0	Ref 30.00 0									Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	3									Start Freq 3.000000000 GHz
-40.0		ana	~~~~	ludiathdnige)t	Helegroingulau	and arease in the				Stop Freq 20.000000000 GHz
Start 3.000 #Res BW 1	.0 MHz		#VBW	1.0 MHz			<u> </u>	28.33 ms (. /	CF Step 1.700000000 GHz Auto Man
MODE MODE MODE 1 N 1 2 N 1 3 N 1 4 5 6 7 8 9 10 11 1		× 19.371 G 3.555 G 5.333 G	Hz	-31.92 dE -37.82 dE -36.17 dE	im im		ACTION WIDTH	PUNCT		Freq Offset 0 Hz
MSG							STATU	s		

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30MHz~3GHz_Band66_10MHz_QPSK_1_0_LowCH132022-1715

		nalyzer - Swep										
Center	Freq		0000 GH	z		NSE:INT	A		ALIGN AUTO	TRAC	PM Jun 18, 2019	
10 dB/div		f Offset 14 f 30.00 d	dB	Ю: Fast ↔ Jain:Low	#Atten: 3				Mk	r1 1.71	1 0 GHz 67 dBm	Auto Tune
20.0 10.0							1					Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0											-10.00 (Dir	Start Free 30.000000 MHz
-40.0 -50.0 -60.0	8			r		الممونم		ege Advite	allen stadien	68-0-0 ⁻ 10-10-10-	****	Stop Free 3.000000000 GH
Start 30 #Res BV	V 1.0		x		/ 1.0 MHz		INCTION		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MH: Auto Mar
1 N 2 3 4 5 6	1 1		1.711 (0 GHz	26.67 di	Bm						Freq Offse 0 Ha
7 8 9 10 11												
MSG									STATUS		•	L

3GHz~10GHz_Band66_10MHz_QPSK_1_0_LowCH132022-1715

Agi Agi	ent Spectr	um An	alvzer - Swer	H SA								- # - 8
Cent	ter Fre	⊮ eq 1	50 £	000000	GHz		ENSEIDNT	Avg T	ALIGN AUTO	TRA	PMJun 18, 2019	Frequency
10 de	Vidix		Offset 14 30.00 (dB	PNO: Fast FGain:Low	#Atten:				Mkr3 5.1	45 GHz 80 dBm	Auto Tune
20.0 10.0												Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	<u></u>		♦ ³ —		Laure and a			-	tere with the stip	مەنى-ئىلىي.	-10:00 40m	Start Freq 3.00000000 GHz
-40.0 -50.0 -60.0												Stop Freq 20.000000000 GHz
#Res	t 3.000 5 BW 1	.0 N		×	#VE	W 1.0 MH	-	UNCTION	Sweep 2	28.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz <u>Auto</u> Man
	N 1 N 1 N 1	1		3.4	69 GHz 30 GHz 45 GHz	-30.82 c -39.31 c -35.80 c	Bm					Freq Offset 0 Hz
8 9 10 11 *						m			STATU	5	•	

30MHz~3GHz Band66 10MHz QPSK 1 0 MidCH132322-1745

	ctrum Analyzer - Sv										0 6 8
Center F	req 1.5150	000000 GH	z		NSE:INT	A		LIGN AUTO	TRAC	MJun 18, 2019	Frequency
10 dB/div	Ref Offset	IFC	NO: Fast ↔ Sain:Low	#Atten: 3				М	r1 1.74	3 7 GHz 32 dBm	Auto Tune
20.0 10.0						1					Center Freq 1.515000000 GHz
-10.0										-10.00 (Din	Start Freq 30.000000 MHz
-40.0 (0000000000000000000000000000000000	and the first of the second districts	1.000 y 1900 and 1900 fr			لسعم		discattered	ngana santa	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-Angle-properties	Stop Freq 3.000000000 GHz
Start 30 P #Res BW	1.0 MHz	*	#VBV	¥ 1.0 MHz		NOTON		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
1 N 1 2 3 4 5 6 7 8 9 9		1.743	7 GHz	26.32 d	Bm					_	Freq Offset 0 Hz
9 10 11 •				т				STATU	5	- , ·	

3GHz~10GHz_Band66_10MHz_QPSK_1_0_MidCH132322-1745

🌉 Agilent Spectrum Analyzer - Swep					
Center Freq 11.5000		SENSE:INT AVE TVD	ALIGN AUTO 02:02: e: Log-Pwr	28 PM Jun 18, 2019 RACE 1 2 3 4 5 6	Frequency
Center Freq 11.5000	PNO: Fast +++ Trig: Fi IFGain:Low #Atten:	ree Run		DET P NNNNN	
10 dB/div Ref Offset 14 Ref 30.00 d				.235 GHz 7.00 dBm	Auto Tune
20.0 10.0 0.00					Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0				-10:00 xEm	Start Freq 3.000000000 GHz
-40.0 -50.0 -60.0	an a	and and an			Stop Freq 20.000000000 GHz
Start 3.000 GHz #Res BW 1.0 MHz	#VBW 1.0 MH	Z FUNCTION FU	Sweep 28.33 m		CF Step 1.700000000 GHz Auto Man
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6 7	19.966 GHz -31.42 3.490 GHz -40.87 6.235 GHz -37.00	dBm dBm			Freq Offset 0 Hz
8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	m		STATUS		

30MHz~3GHz_Band66_10MHz_QPSK_1_0_HighCH132622-1775

🌉 Agilent Spe	ctrum Ar	nalyzer - Swep	ht SA								0 6 8
Center F	req '	50 D	0000 GH	z		NSE:INT	Avg	ALIGN AUTO Type: Log-Pwr	TRA	PM Jun 18, 2019	Frequency
10 dB/div		Offset 14	dB	VO: Fast * Sain:Low	#Atten: 3			м	kr1 1.77	et P NNNN N	Auto Tune
20.0 10.0							(1				Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-10.00 iEm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	n., h.,	ال ىلىۋىسەرىدېد.		*******			le ne en		Hard Address of the Second		Stop Freq 3.000000000 GHz
Start 30 I #Res BW	1.0		×	#VB	W 1.0 MHz			Sweep	2.000 ms	.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9 10 11 *			1.773	4 GHz	26.17 d						Freq Offset 0 Hz
MSG								STAT	JS		

3GHz~10GHz_Band66_10MHz_QPSK_1_0_HighCH132622-1775

🌉 Agilent Spe	ctrum An	alyzer - Swep	it SA							
Center F	⊮ req1	50 £	00000 G	Hz		NSE:INT	ALIGN AUTO COG-Pwr	TRAC	MJun 18, 2019	Frequency
10 dB/div		Offset 14 ' 30.00 d	dB	Ю: Fast ↔	#Atten: 3		N	/kr3 5.3	25 GHz 95 dBm	Auto Tune
20.0 10.0										Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0		♦ ³	المواليا هي. الم	L. 4				and the second		Start Freq 3.00000000 GHz
-40.0		- In Caller								Stop Freq 20.000000000 GHz
Start 3.0 #Res BW	1.0 1	/Hz	×	#VBV	V 1.0 MHz		Sweep 2	8.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 2 N 4 5 6 7 8 9 10			19,18	4 GHZ 0 GHZ 5 GHZ	-30.82 df -38.46 df -35.96 df	3m 3m		PUNCTION		Freq Offset 0 Hz
MSG	-				m	-	STATUS	5	•	

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30MHz~3GHz_Band66_15MHz_QPSK_1_0_LowCH132047-1717.5

	ctrum Analyzer - !										- 4
Center F		0000000 GHz	:	1	ISE:1NT	Avg		IGN AUTO	TRAC	MJun 18, 2019	
10 dB/div	Ref Offset 14 dB Mkr1 1.711 0 GHz 0 dB/div 27.00 dBm										
20.0 10.0					1						Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0							-			-10.00 (Dir	Start Free 30.000000 MHz
-40.0 -50.0 -60.0	and the second second		6-9-1-9 ⁻ 0-1-9 ⁻¹ 0-1		where I			NY LADONAL	لىلىلىلىلىلىلىلىلىلىلىلىلىلىلىلىلىلىلى	verken gadet	Stop Free 3.000000000 GH
Start 30 #Res BW	1.0 MHz	×		1.0 MHz		ICTION		weep 2.	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MH: Auto Mar
1 N 2 3 4 5 6	1 1	1.711 0	GHz	27.00 dE	3m						Freq Offse 0 Ha
7 8 9 10 11				75							
MSG								STATUS			L

3GHz~10GHz_Band66_15MHz_QPSK_1_0_LowCH132047-1717.5

🋤 Ag	ilent Spe		inalyzer - Swi									
Cen	R NF 50 Ω DC Center Freq 11.500000000 GHz						SE:INT		ALIGN AUTO	01:45:55 PM Jun 18, 2019 TRACE 1 2 3 4 5 6		Frequency
	IFGainLow #Atten: 30 dB Der P NNNN Ref Offset 14 dB Mkr3 5,153 GHz										Auto Tune	
20.0 10.0	B/div	Re	f 30.00	dBm						-30.1	83 aBm	Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	2	en l	◆ ³		ي و و و و و و و و و و و و و و و و و و و	and the state of the			and the state of	فيعتبحت		Start Freq 3.00000000 GHz
-40.0 -50.0 -60.0												Stop Freq 20.000000000 GHz
#Re	Start 3.000 GHz Stop 20.000 GHz RRes BW 1.0 MHz \$VEW 1.0 MHz \$Weep 28.33 ms (1001 pts) 2014001 tot 1551 \$VEW 1.0 MHz \$Weep 29.33 ms (1001 pts)											CF Step 1.700000000 GHz <u>Auto</u> Man
1 2 3 4 5 6 7 8 9	N N N			3.43	78 GHz 35 GHz 53 GHz	-31,62 dE -39,85 dE -36,83 dE	m					Freq Offset 0 Hz
9 10 11 •						10			STATUS	5		

30MHz~3GHz_Band66_15MHz_QPSK_1_0_MidCH132322-1745

M Agilent Spectrum									0 6 8
Center Freq	1.515000000 C	SHz	SENSE:		Avg Type:	LIGN AUTO	TRACE	Jun 18, 2019	Frequency
10 dB/div R	ef Offset 14 dB ef 30.00 dBm	PNO: Fast IFGain:Low	#Atten: 30 dB			Mk	1 1.740	7 GHz 2 dBm	Auto Tune
20.0 10.0				1					Center Freq 1.515000000 GHz
-10.0								-10.00 tiDin	Start Freq 30.000000 MHz
-40.0	a al al la construction de la const			ميدا ليميد	•		and the second	allada Alfrad	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0	MHz	#VBW 1	.0 MHz	FUNCT		weep 2.	Stop 3.0 000 ms (1	001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 1 3 4 5 6 7 7 8 8 9 9 10 11	f 1.74	10 7 GHz	26.82 dBm					-	Freq Offset 0 Hz
MSG			т.			STATUS		•	

3GHz~10GHz_Band66_15MHz_QPSK_1_0_MidCH132322-1745

🌉 Agilent Spectrum Analyzer - Swep					- 4 🛃						
Center Freq 11.5000	00000 GHz		e: Log-Pwr TR	7 PMJun 18, 2019 ACE 1 2 3 4 5 6	Frequency						
Ref Offset 14	PBC: Fast										
20.0 10.0					Center Freq 11.500000000 GHz						
-10.0 -20.0 -30.0	ويتعاريبه المعارية المحافظ المحاف			-1000-00m	Start Freq 3.000000000 GHz						
-50.0 -50.0		an belan table and table a			Stop Free 20.000000000 GHz						
Start 3.000 GHz #Res BW 1.0 MHz	#VBW 1.0 MH		Sweep 28.33 ms		CF Step 1.700000000 GHz Auto Man						
Loss function Loss function 1 N 1 7 2 N 1 7 3 N 1 7 4 1 7 6 6 6 6 6 7 7 8 9 10 10 11 11 11 11	19.303 GHz -30.72 (3.490 GHz -40.40 (6.236 GHz -36.66 (IBm	PLUE	TIXEN WALKE	Freq Offset 0 Hz						
MSG			STATUS								

30MHz~3GHz_Band66_15MHz_QPSK_1_0_HighCH132597-1772.5

📕 Agilent Sper	ctrum Ar	nalyzer - Swep	n SA									0 8
Center F	req '	50 S	0000 GH	z		NSE:INT	Av	g Type: L	GN AUTO og-Pwr	TRA	MJun 18, 2019	Frequency
PRO: Feat Trig: Free Run IFGainLow #Atten: 30 dB Ref Offset 14 dB 10 dB/div Ref 30.00 dBm									Mk	7 5 GHz 46 dBm	Auto Tune	
20.0 10.0							×1					Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0											-10.00 ilDin	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		angginet nor		*******			al Yanaan		way a second	alge Vinslan son Spellan		Stop Freq 3.00000000 GHz
Start 30 P #Res BW	1.0		×	#VB	W 1.0 MH2	-	INCLUM	SV	<u> </u>	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 3 4 5 6 6 7 7 8 9 9 9 10 11			1.767 :	5 GHz	27.46 d							Freq Offset 0 Hz
56									STATUS	5		

3GHz~10GHz_Band66_15MHz_QPSK_1_0_HighCH132597-1772.5

🌉 Agilent	t Spectrum	Analyzer - Swe	nt SA								
Cente	r Freq	F 50 S	00000 G			ISE:INT		ALIGN AUTO CLOG-PWF	TRAC	MJun 18, 2019	Frequency
10 dB/d	Ref Offset 14 dB Mkr3 5.318 GHZ 0 dB/div. Ref 30.00 dBm -36.41 dBm										
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	∕3				اربحوارملوم			a su ha de a		 1	Start Freq 3.000000000 GHz
-40.0			0-10-C-1964/169/16								Stop Freq 20.00000000 GHz
#Res E	3.000 G BW 1.0	MHz		#VBV	V 1.0 MHz			<u> </u>	8.33 ms (• /	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 10 11	111		× 19.93; 3.54 6.31;	2 GHz 5 GHz 8 GHz	-31.80 df -39.28 df -36.41 df	3m 3m		X-TION VID Y F	FUNCT		Freq Offset 0 Hz
MSG								STATUS	s		

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