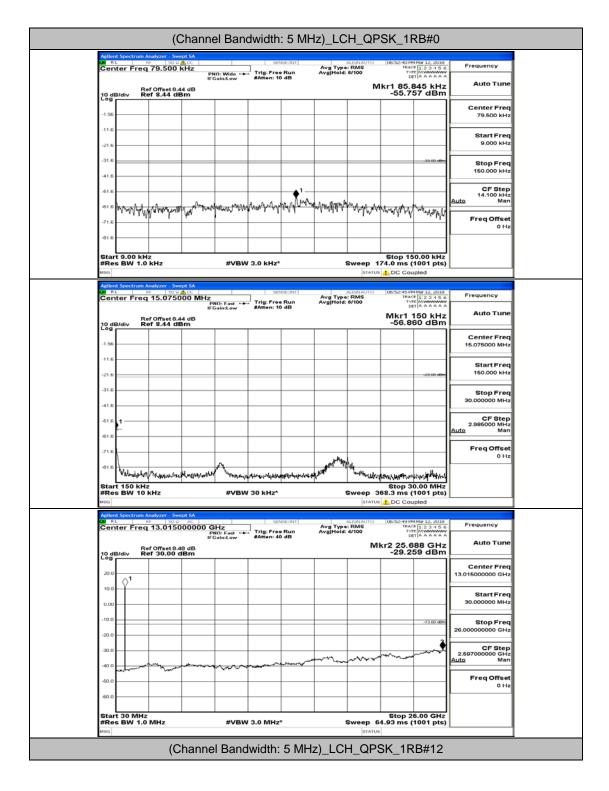
E.5: Conducted Spurious Emission

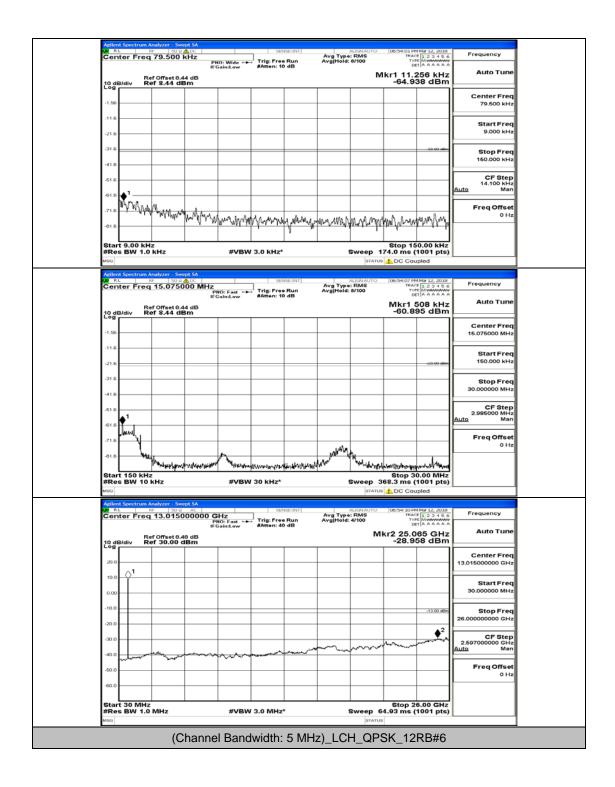
Test Graphs

Channel Bandwidth: 5 MHz

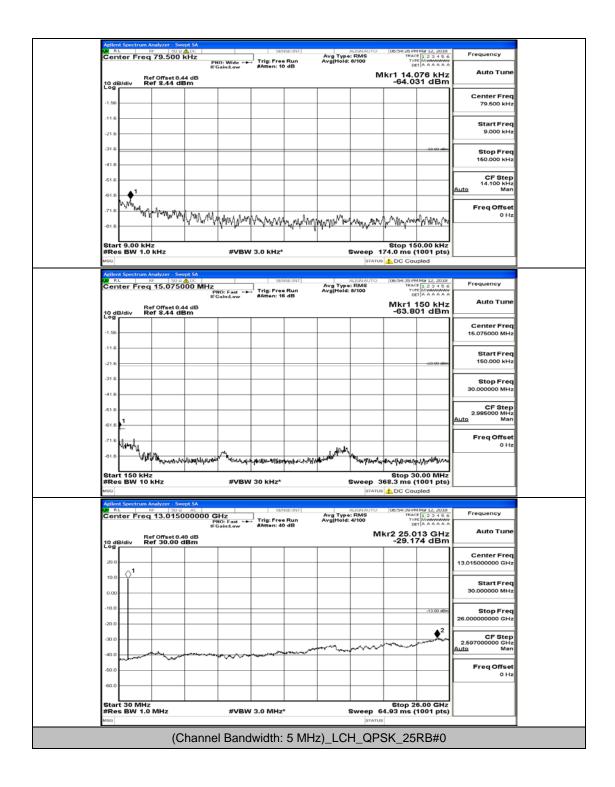


Agilent Spectrum /	nalyzer - Swo	ept SA									
Center Freq	79.500	kHz ph	IO: Wide -+ Gain:Low		e Run	Avg Type Avg[Hold:	: RMS 8/100	DD:52:52 PM TRAC TYP	Mar 12, 2018 1 2 3 4 5 6 MMMMMM A A A A A A	Frequency	
_			ain:Low	#Atten: 1	0 dB			∞ 1kr1 86.2		Auto Tune	
10 dB/div R	ef Offset 8.4 ef 8.44 dE	a dB Bm							94 dBm		
-1.56										Center Freq	
-1.56										79.500 kHz	
-11.6										Start Freq	
-21.6										9.000 kHz	
-31.6									-22.00 48m	Stop Freq	
-41.6										150.000 kHz	
-51.6					1					CF Step	
and the l	A	Ann 1	AA.	10	1. Mal	M AM	M	uth marking		14.100 kHz Auto Man	
	MARMAN	Yer Arminet	h have the	he water of	and the state of t	Manad	whw.w	hard Landson	WWW	Freq Offset	
-71.6										0 Hz	
-81.6											
Start 9.00 kH	z							Stop 15	0.00 kHz		
#Res BW 1.0			#VBW	3.0 kHz*		1		74.0 ms (1001 pts)		
Adlant Freedom	nation f	unt SA					STATUS	CC C00	pied		
Agilent Spectrum A	0F 50 Q	∆∝ 00 MHz			NEREINT	Avg Type	RMS	06:52:58 PN TRAC TYP DE	M# 12, 2018	Frequency	
		P	IO: Fast 🔸 Gain:Low	#Atten: 1	e Run 0 dB	Avg Hold:	8/100			Auto Turo	
10 dB/div R	ef Offset 8.4 ef 8.44 de	4 dB Bm						Mkr1 1 -56.3	150 kHz 69 dBm	Auto Tune	
										Center Freq	
-1.56										15.075000 MHz	
-11.6										Start Freq	
-21.6									-23.00 dBm	150.000 kHz	
-31.6										Stop Freq	
-41.6										30.000000 MHz	
-51.6 1										CF Step	
-61.6										2.986000 MHz Auto Man	
										Freq Offset	
-71.6						et/ry/				0 Hz	
-81.6 11.	Mathan	and the second states	1 the shares	-	langer the second	WWW WWW WWW	n with the second		miliotheres		
Start 150 kH	z							Stop 3	0.00 MHz		
#Res BW 10	kHz		#VBW	30 kHz*		1		68.3 ms (LI	
Agilent Spectrum A	nalyzer - Swe	ept SA					_				
Center Freq	Φ 50 Ω	AC 00000 G	Hz t0:Fast ↔		e Run	Avg Type Avg Hold;	RMS	06:53:01 PN TRAC	Mar 12, 2018 1 2 3 4 5 6 C MWWWWWW	Frequency	
		IFO	ain:Low	#Atten: 4	0 dB			∝ kr2 25.6	T A A A A A	Auto Tune	
10 dB/div R	of Offset 8.4 ef 30.00 c	iBm						-28.6	84 dBm		
20.0										Center Freq 13.015000000 GHz	
1										13,01500000 GHz	
10.0										Start Freq 30.000000 MHz	
0.00										30.00000 mHz	
-10.0					-				-13.00 dBm	Stop Freq 26.00000000 GHz	
-20.0									â	23.00000000 GH2	
-30.0					-					CF Step 2.697000000 GHz	
-40.0	man	-been and some	\sim	marin	and and a series		h			<u>Auto</u> Man	
-50.0										Freq Offset	
-60.0										0 Hz	
Start 30 MHz #Res BW 1.0	MHz		#VBW	3.0 MHz	*	1	Sweep 6	Stop 2 4.93 ms (6.00 GHz 1001 pts)		
 MSG							STATUS				
	(C	hanne	Band	lwidth.	5 MH	z) I CH		SK_1R	B#24		
	,5					,					

Agilent	Spectrum A	natyzer - Swe	pt SA									
Cent	er Freq	79.500	KHZ PN	IO: Wide -+ Gain:Low		e Run	Avg Type Avg Hold:	RMS	06:53:05 PM TRAC TYP	123456 M	Frequency	
		011		ain:Low	#Atten: 1	0 dB			∞ kr1 85.8		Auto Tune	
10 dB/	/div Re	f Offset 8.4 f 8.44 dE	4 dB Sm						-54.28	33 dBm		
-1.56											Center Freq 79.500 kHz	
											79.500 KH2	
-11.6											Start Freq	
-21.6											9.000 kHz	
-31.6										-22.00 48m	Stop Freq	
-41.6											160.000 kHz	
-51.6						● ¹					CF Step 14.100 kHz	
-61.6	annolassa	Maple Internet	A. May	Man May	man	ALL MANY	mandrach	howar	Annala	Martin	<u>Auto</u> Man	
-71.6			φrγ		' <u> </u>	·	11	14.	And L. A	"Uniped	Freq Offset	
e1.6											0 Hz	
-81.6												
Start #Pee	9.00 kH BW 1.0	z kHz		#VRM	3.0 kHz*	,		Sween 1	Stop 15 74.0 ms (*	0.00 kHz		
MSG	2				3.4 8.12				DC Cou			
Agilent	Spectrum A	nalyzer - Swe	pt SA	1	- Pro-	NERLENT		N KON ALTER	06:53:10 PM	MR 12 1997		
Cent	er Freq	15.0750	Ph	10: Fast 🔸	Trig: Fre	e Run	Avg Type Avg Hold;		TRAC	T A A A A A A	Frequency	
	Pa	f Offset 8.4	IF G	ain:Low	#Atten: 1	0 dB				150 kHz 91 dBm	Auto Tune	
10 dB/	/div Re	f Offset 8.4 f 8.44 dE	Sm						-55.79	€1 dBm		
-1.56											Center Freq 15.075000 MHz	
-11.6												
											Start Freq 150.000 kHz	
-21.5										-23.00 dBm		
-31.6											Stop Freq	
-41.6											30.000000 MHz	
-51.6	1										CF Step 2.985000 MHz	
-61.6	_										<u>Auto</u> Man	
-71.6											Freq Offset	
-81.6				يەر			, makes	μ			0 Hz	
	hin the	Anna	crafterspher	No. AND	wyceppolity	and manyate	Warney	Witherry	P.Marthalada	ner bistryny.4		
Start #Res	150 kHz BW 10 k	Hz		#VBW	30 kHz*				Stop 30 68.3 ms (1	0.00 MHz		
MSG									DC Cou		· · · · · ·	
CO RL	R	halyzer - Swe 50 ฉ	AC		540	NSEINT		ALIGN AUTO	06:53:13 PM	Mar 12, 2018	-	
		13.0150	00000 G	Hz 10: Fast Jain:Low	Trig: Free #Atten: 4	e Run 0 dB	Avg Type Avg[Hold:	RMS 4/100	06:53:13 PM TRAC TVP DE		Frequency	
	Re	f Offset 8.4	8 dB	-anit ow					kr2 25.6	88 GHz	Auto Tune	
10 gB/	/div Re	f 30.00 d	Bm						-29.08	37 dBm		
20.0											Center Freq 13.015000000 GHz	
10.0	° ¹											
0.00											Start Freq 30.000000 MHz	
-10.0												
										-13.00 dBm	Stop Freq 26.00000000 GHz	
-20.0										2		
-30.0							and.	~~~	and and a second	mound	CF Step 2.597000000 GHz Auto Man	
-40.0	Jurmours	and how		- - -	and the second	forme the						
-50.0											Freq Offset 0 Hz	
-60.0												
#Res	30 MHz BW 1.0	MHz		#VBW	3.0 MHz	*	1		Stop 20 4.93 ms (*	6.00 GHz 1001 pts)		
MSG								STATUS				
		(C	hanne	I Band	lwidth:	5 MH	z)_LCł	I_QPS	SK_12	RB#0		



	pectrum Analyzer	- Swept SA									
Cente	r Freq 79.5	00 kHz	NO: Wide	-	e Run	Avg Type Avg[Hold:	RMS 8/100	00:54:14 Pt TRAC	Mar 12, 2018 F 1 2 3 4 5 6 C M M A A A A A	Frequency	
40 - 12 - 1	Ref Offse		NO: Wide Gain:Low	#Atten: 1	0 dB			Mkr1 9.0		Auto Tune	
10 dB/d -1.56	IV Rel 8.4									Center Freq 79,500 kHz	
-11.6											
-21.6										Start Freq 9.000 kHz	
-31.6									-33.00 dBm	Stop Freq 150.000 kHz	
-41.6										CF Step	
-51.6 61.6										14.100 kHz Auto Man	
-71.6	Winner and and the second	Ward the state								Freq Offset 0 Hz	
-81.6		- K.	"www.hulwaw	r haven have	high and the state of the state	haman	han and the second	ntrifutura	MANN		
Start 9	0.00 kHz 3W 1.0 kHz			3.0 kHz*					0.00 kHz		
MSG		0						S 1 DC Cou			
CO RL	r Freq 15.0	50 x ▲ CC 75000 MHz	NO: Fast 🕩	Trig: Fre	e Run	Avg Type Avg Hold;	RMS	05:54:19 PF TRAC TVI	123456	Frequency	
10 dB/d	Ref Offse	#18.44 dB	Gain:Low	#Atten: 1	0 dB			™ 1.5	TAAAAAA	Auto Tune	
-1.56										Center Freq 15.075000 MHz	
-11.6										Start Freq	
-21.6									-23.00 dBm	150.000 kHz	
-31.6										Stop Freq 30.000000 MHz	
-41.6										CF Step	
-61.6	. ∮ ¹									2.986000 MHz Auto Man	
-71.6	ML -									Freq Offset 0 Hz	
-81.6	Wayserly group	francistary interiority of the	Mr. White	ur-subshiled	annimeteri	numer with	W WYTHING	uhipersensel	el-uput man		
#Res E	50 kHz SW 10 kHz			30 kHz*			Sweep 3	Stop 3 368.3 ms (0.00 MHz 1001 pts)		
Agilent Sp	pectrum Analyzer	- Swept SA					_	S 🚹 DC Cou			
CO RL	r Freq 13.0	15000000	NO: Fast		e Run	Avg Type Avg Hold;	: RMS 4/100	06:54:23 Pf TRAC TVI D	Mar 12, 2018 # 1 2 3 4 5 6 # MWWWWW T A A A A A A	Frequency	
10 dB/d	Ref Offse	t 8.48 dB	Gain:Low	enten: 4	- 46		м	lkr2 25.6			
20.0										Center Freq 13.015000000 GHz	
10.0										Start Freq	
0.00		_								30.000000 MHz	
-10.0									-13.00 dBm	Stop Freq 26.000000000 GHz	
-30.0								4.0		CF Step 2.597000000 GHz	
-40.0		,			and and a second	- and		the second		Auto Man	
-50.0										Freq Offset 0 Hz	
-60.0											
Start 3	80 MHz BW 1.0 MHz		#VBW	3.0 MHz	*		Sweep (64.93 ms (6.00 GHz 1001 pts)		



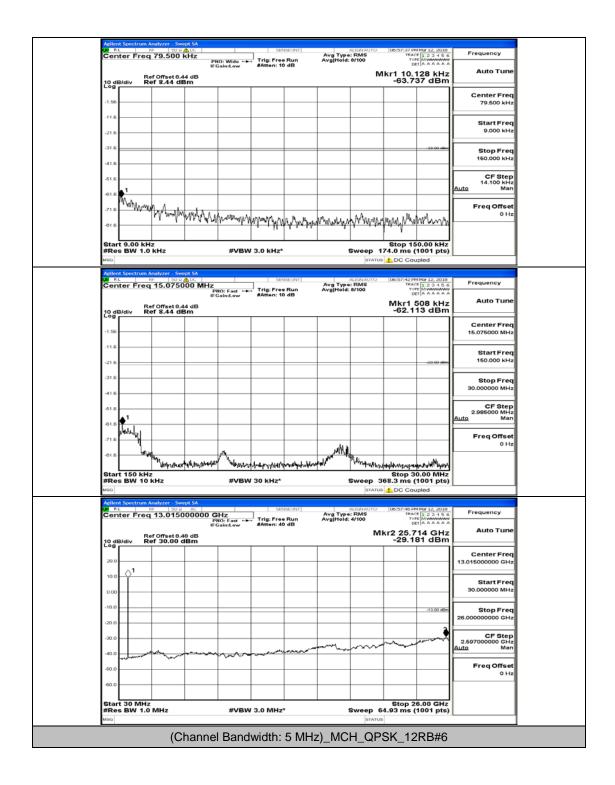
Agilent Spectrum	Analyzer - Swa									
	RE 50.0	≜ DC		587	VSE:INT	Avg Type	RMS	06:55:38 PM	4Mar 12, 2018 * 1 2 3 4 5 4	Frequency
USING MEC	1 0.000	PN	10: Wide 🔸 Gain:Low	#Atten: 10	e Run 0 dB	Avg Hold:		06:55:38 PM TRAC TYP DE		
B	ef Offset 8.4							Mkr1 9.4 -66.2		
10 dB/div R	ef Offset 8.4 ef 8.44 dE	Bm						-66.2	21 dBm	
										Center Freq
-1.56										79.500 kHz
-11.6	L									
										Start Freq
-21.6	+									9.000 kHz
-31.6									-22.00	
										Stop Freq 150.000 kHz
-41.6										100,000 1112
-51.6										CF Step
										CF Step 14.100 kHz Auto Man
-61.6										
-71.6 WWWW	Motor Wayner, t									Freq Offset
	. Maprel	walnula	Martin	Acres	h.A	n	.5.			0 Hz
-81.6			1.	at the first sea	t in Marth	47 Y W	all the start	h MANY	WWW.M	
					- T	1 1	,	10	119	
Start 9.00 kH #Res BW 1.0	kHz		#VBW	3.0 kHz*		,	Sweep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)	
MSG								DC Cou		
 Agilent Spectrum	Anaberer - E-	unt SA								
Ou RL	RF 50 S			587	VREINT]	Aug 7	LIGNAUTO	05:55:44 PM	4 Mar 12, 2018	Frequency
Center Fred	15.0750	PI DU MHz	NO: Fast	Trig: Free	e Run	Avg[Hold:	8/100	06:55:44 PM TRAC TVF DI		
		IFC	ain:Low	#Atten: 10				/kr1 3.4		
10 dB/div R	ef Offset 8.4 ef 8.44 dE	a dB Bm						-62.6	32 dBm	
Log										Center Freq
-1.56										15.075000 MHz
.11.6										
-11.6										Start Freq
-21.6									-23.00 dBm	150.000 kHz
-31.6										Stop Freq
-41.6	<u> </u>									30.000000 MHz
										CE Sten
-51.6										CF Step 2.985000 MHz
-61.6	¢'									Auto Man
-71.6										Freq Offset
-/1.6 paper	1 Mail					بيابين				0 Hz
-81.6	MAN	and dealers	m.			My My	N			
		Mary Pro	Waterland	an widdin ar	ant by the state	San Charles	"Minner	p-1,bisecteurnis	frequely grad	
Start 150 kH	z							Stop 3	0.00 MHz	
#Res BW 10	KHZ		#VBW	30 kHz*		1		68.3 ms (
 							analu			
Agilent Spectrum	Analyzer - Swo RF 50 ឆ្ល	AC		587	VELONT		LIGNAUTO	05:55:48 PM	1 Mar 12, 2018	Erecutor
Conton Free	13.0150	000000 G		Trig: Free #Atten: 40	e Run	Avg Type Avg Hold;	: RMS 4/100	TRAC	Mar 12, 2018 F 1 2 3 4 5 6 C M M A A A A A A	Frequency
Center Fred	1 1010 100	P						TVE		
			Gain:Low	#Atten: 40	U db			DE		
R	ef Offset 8.4	l8 dB	Sain:Low	#Atten: 40	a a b			kr2 25.0		
R	ef Offset 8.4	l8 dB	Jain:Low	#Atten: 40				kr2 25.0	39 GHz	Auto Tune
R	ef Offset 8.4	l8 dB	Gain:Low	#Atten: 40				kr2 25.0	39 GHz	
10 dB/div R 20.0	ef Offset 8.4	l8 dB	Sain:Low	#Atten: 40				kr2 25.0	39 GHz	Auto Tune Center Freq
10 dB/div R 20.0	ef Offset 8.4	l8 dB	Sain:Low	#Atten: 40				kr2 25.0	39 GHz	Auto Tune Center Freq 13.015000000 GHz
10 dB/div R 20.0	ef Offset 8.4	l8 dB	SalniLow	#Atten: 44				kr2 25.0	39 GHz	Auto Tune Center Freq
10 dB/div R 20.0 10.0 1	ef Offset 8.4	l8 dB	Sain:Low	#Atten: 46				kr2 25.0	39 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq
10 dB/dlv R 20.0 10.0 1	ef Offset 8.4	l8 dB	Sain:Low	#Atten: 44				kr2 25.0	39 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz Stop Freq
10 dB/div R 20.0 10.0 1	ef Offset 8.4	l8 dB	Gain:Low	#Atten: 44				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz
10 dB/div R 20.0 ↓ 10.0 ↓ 10.0 ↓ -10.0 ↓	ef Offset 8.4	l8 dB	Gain:Low	#Atten: 44				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz
10 dB/div R 20.0 10.0	ef Offset 8.4	l8 dB	Gain:Low	#Atten: 40				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz 30.000000 MHz 25.0000000 GHz 2.69700000 GHz
10 dB/div R 20 0 10.0 ↓1 .000 .000 .000 .000 .000 .000 .000 .0	ef Offset 8.4	l8 dB		#Atten: 40				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz Stop Freq
10 dB/div R 20 0 10 0 -10 0 -20 0 -30 0 -40 0	ef Offset 8.4	l8 dB		#Atten: 40				kr2 25.0	39 GHz 88 dBm	Start Freq 3.015000000 GHz 3.015000000 GHz Start Freq 30.000000 MHz 26.0000000 GHz 26.0000000 GHz 2.69700000 GHz Auto Man
10 dB/div R 20 0 10.0 ↓1 .000 .000 .000 .000 .000 .000 .000 .0	ef Offset 8.4	l8 dB		#Atten: 40				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.69700000 GHz Auto Man Freq Offset
10 dB/div R 20.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0	ef Offset 8.4	l8 dB		#Atten: 44				kr2 25.0	39 GHz 88 dBm	Start Freq 3.015000000 GHz 3.015000000 GHz Start Freq 30.000000 MHz 26.0000000 GHz 26.0000000 GHz 2.69700000 GHz Auto Man
10 dB/div R 20 0 10 0 -10 0 -20 0 -30 0 -40 0	ef Offset 8.4	l8 dB		#Atton: 44				kr2 25.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.69700000 GHz Auto Man Freq Offset
20 dB/div R 20 0 10 0 10 0 -10 0 -20 0 -30 0 -40 0 -60 0 -60 0	ef Offset 8.4 ef 30.00 c	l8 dB		#Atton: 44				kr2 25.0	.1300 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.69700000 GHz Auto Man Freq Offset
10 dB/div R 20.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0	ef Offset8.4 ef 30.00 d	l8 dB		#Atton: 40			M	kr2 25.0 -29.0	39 GHz 88 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.69700000 GHz Auto Man Freq Offset

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

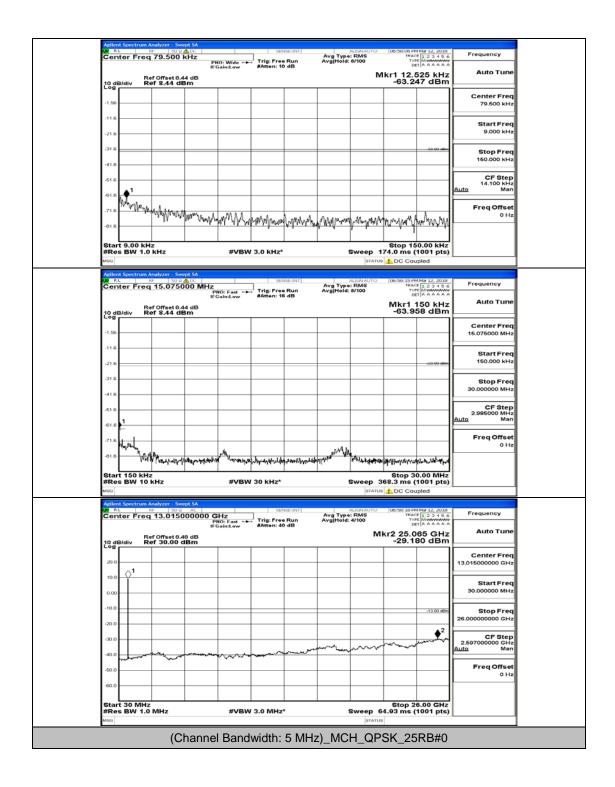
Center	ctrum Analyzer - S	wept 5A									
	Freq 79.500	R 🔽 DC			e Run	Avg Type AvalHold	RMS	06:56:15 PM TRAC	123456	Frequency	
		PN	10: Wide Sain:Low	#Atten: 10	0 dB	Avg Hold:		DE	TAAAAAA	Auto Tune	
10 dB(div	Ref Offset 8 Ref 8.44 (.44 dB					M	kr1 89.7 -55.9	793 kHz 90 dBm	Auto Tulie	
10 dB/div	Ker 6.44 (
-1.56										Center Freq 79.500 kHz	
-11.6										Start Freq	
-21.6										9.000 kHz	
-31.6									200		
										Stop Freq 160.000 kHz	
-41.6											
-61.6					 1					CF Step 14.100 kHz	
-61.6	mayorana	a Julia	mall	- a hanks	annaha	namon	Mr. M. M.	Annua A.		Auto Man	
FW	WWW WWWWWW	and the	Mo-All	h Annual	f	10.0.001.4	MAM	AN AMAN	may Whyter P		
-71.6										Freq Offset 0 Hz	
-81.6										<u> </u>	
										I I	
Start 9.0	0 kHz							Stop 15	0.00 kHz	I I	
#Res BV	V 1.0 kHz		#vBW	3.0 kHz*		1		74.0 ms (
	ctrum Analyzer - S	word SA		_	_						
CO RL	RF 50	S 🔥 DC		587	NREINT	Aug Torra	LIGNAUTO	06:56:20 PM	M# 12, 2018	Frequency	
Center	Freq 15.075	PI	NO: Fast	#Atten: 10	e Run 0 dB	Avg Type Avg[Hold:		TYP	E 1 2 3 4 5 6		
	Ref Offset f							Mkr1 '	150 kHz	Auto Tune	
10 dB/div	Ref Offset 8 Ref 8.44 c	IBm						-55.9	37 dBm		
										Center Freq	
-1.56										15.075000 MHz	
-11.6										Start Eron	
-21.6									-23.00 dike	Start Freq 150.000 kHz	
-31.6	_									Stop Freq	
-41.6										30.000000 MHz	
										CF Step	
-51.6										2.985000 MHz Auto Man	
-61.6											
-71.6										Freq Offset	
-81.6			A			Many	à			0 Hz	
~~~ W.L	And the following	the hour worker	1 maynow	Vision <b>Arte</b> r of the	المراجعة والمرا	and an and an	V		. Muse		
					des dates a di Ardel e d	NN.	"Anthy man	المرجوع ويتاليه والم	ALC MANAGER		
Start 15	0 kHz	_			وماصفه يحتقل مع			Stop 3	0.00 MHz	I	
Start 15 #Res BV	0 kHz V 10 kHz			30 kHz*	ر و ایدی و بر این ا		Sweep 3	Stop 3 68.3 ms (	0.00 MHz 1001 pts)		
Start 15 #Res BV	V 10 kHz				ز والعطوب وتطريبه	1	Sweep 3	Stop 3 68.3 ms (	0.00 MHz 1001 pts) pled		
Adjent Spe RE	V 10 kHz ctrum Analyzer - S	wept SA ຊີ່ AC	#VBW	30 kHz*	NERGEN T	1	Sweep 3	Stop 3 68.3 ms (	0.00 MHz 1001 pts) pled	Frequency	
Adjent Spe RE	V 10 kHz	wept SA	#VBW	30 kHz*	NSIEINT]	1	Sweep 3	Stop 3 68.3 ms (	0.00 MHz 1001 pts) pled	Frequency	
Adjent Spe RE	V 10 kHz	wept SA 2 AC   5000000 G PI IFC	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC trac tV/ DC trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled	Frequency Auto Tune	
Adjent Spe RE	V 10 kHz ctrum Analyzer - S	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled		
Start 15 #Res BV #stal Action: Spe T RL Center	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled	Auto Tune Center Freq	
Start 15 #Res BV Misci Anifent Spe Rt Center	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled	Auto Tune	
Start 15 #Res BV MSG Adlent Spe OF RL Center 10 dB/div 20.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled	Auto Tune Center Freq 13.015000000 GHz	
Start 15 #Res BV usc Addent Spe M RL Center 20 d B/div	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled	Auto Tune Center Freq	
Start 15 #Res By usc Center 10 dB/div 20 0 10.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled	Auto Tune Center Freq 13.01500000 GHz Start Freq	
Start 15 #Res BV usc Center 10 dB/div 20.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz Stop Freq	
Start 15 #Res By usc Center 10 dB/div 20 0 10.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz	
to dB/div 200 100 200 200 200 200 200 200	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune	
Start 15 #Res By usc Center 10 dB/div 20 0 10.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune	
to dB/div 200 100 200 200 200 200 200 200	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ TV/ DC tV/ TV/ DC tV/ TV/ DC trac tV/ trac trac trac trac trac trac trac trac	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune	
Start 15 #Res BU usc Center 10 dB/div 20 0 10 0 -10.0 -20 0 -30 0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune	
Start 15 Res By uso Conter 10 dB/div 20.0 10.0 -0.0 -0.0 -0.0 -0.0 -0.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune           Center Freq           13.015000000 GHz           Start Freq           30.000000 GHz           26.0000000 GHz           26.0000000 GHz           2.59700000 GHz           Auto           CF Step           Auto	
Start 15         Res BU           Mailent Susc         Nation Susc           Agilent Susc         Nation Susc           Center         10 dB/div           10.0         -           -0.0         -           -30.0         -	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3 68.3 ms ( DC Cou 00:50:24 PF TRAC TV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tV/ DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC DC tC TV T TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TV TC TC TC TC TC TC TC TC TC TC TC TC TC	0.00 MHz 1001 pts) pled 101 pts) pled 101 pts 101 pts	Auto Tune	
Start 15 Res BU usc Center 10 dB/div 20 0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	NSIEINT]	1	Sweep 3 STATUS STATUS (LIONAUTO : RMS 4/100	Stop 3: 68.3 ms ( DC Coou Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Trac Tr		Auto Tune	
Start 15 #Res BU 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	And the second s		Sweep 3	Stop 2 Stop 2 Stop 2 Stop 2 4.93 ms (	0.00 MHZ 1001 pts) pted 1001 pts) pted 1001 pts) 1001	Auto Tune	
Start 15 #Res BU NSG Actient Store 10 dB/div 20 0 10 0	V 10 kHz	wept SA ♀ AC 5000000 G PT IFC 1.48 dB	#VBW	30 kHz*	And the second s		Sweep 3 Istatus RIMAUTO RIMA MI MI MI	Stop 2 Stop 2 Stop 2 Stop 2 4.93 ms (	0.00 MHZ 1001 pts) pted 1001 pts) pted 1001 pts) 1001	Auto Tune	

Agilent Spectrum Ana	alyzer - Swept SA					Charlen and a state			
Center Freq 7	79.500 kHz	PNO: Wide -+- FGain:Low	Trig: Free Run	Avg Type Avg Hold:	: RMS 8/100	06:56:27 PM TRAC TYP	Mar 12, 2018 1 2 3 4 5 6 M M A A A A A	Frequency	
		FGain:Low	#Atten: 10 dB			™ 1kr1 89.6		Auto Tune	
10 dB/div Ref	Offset 8.44 dB 8.44 dBm						8 dBm		
-1.56								Center Freq	
								79.500 kHz	
-11.6								Start Freq	
-21.6								9.000 kHz	
-31.6							-33.00 dBm	Stop Freq	
-41.6								150.000 kHz	
-51.6				▲1				CF Step	
-61.6 AA. 6-6-6	ANTER AND ANTER	a horante	mond som m	TALLAM	the MAL - Anto	anite	. AL ISL	Auto Man	
-71.6	11 - 11 - 11 - 1	1 p	debre a lles		da satur		10 Martin	Freq Offset	
								0 Hz	
-81.6									
Start 9.00 kHz			2014			Stop 15	0.00 kHz		
#Res BW 1.0 k	n2	#VBW 3	3.V KH2"			74.0 ms ( DC Cou			
 Agilent Spectrum Ana	alyzer - Swept SA								
Center Freq 1	5.075000 MH	PNO: Fast	Trig: Free Run	Avg Type Avg Hold:	RMS	06:56:33 PM TRAC TVP	Mar 12, 2018 1 2 3 4 5 6 MMMMMM A A A A A A	Frequency	
		FGain:Low	#Atten: 10 dB				50 kHz	Auto Tune	
10 dB/div Ref	Offset 8.44 dB 8.44 dBm					-55.86	38 dBm		
-1.56								Center Freq 15.075000 MHz	
								15.075000 MH2	
-11.6								Start Freq	
-21.6							-23.00 dBm	150.000 kHz	
-31.6								Stop Freq	
-41.6								30.000000 MHz	
-51.6 1								CF Step 2.985000 MHz	
-61.6								Auto Man	
-71.6								Freq Offset	
h.		A		www				0 Hz	
-81.6 Herellerlighted	repartition and a second	Mr WWWWWW	mound	ALAL PROPERTY T	W Further way	Yesterski	marken		
Start 150 kHz						Stop 30	0.00 MHz		
#Res BW 10 kH	HZ	#VBW 3	30 KHZ"			68.3 ms (*		L	
Agilent Spectrum Ana	alyzer - Swept SA								
Center Freq 1	13.015000000	GHz	Trig: Free Run	Avg Type Avg Hold:	: RMS 4/100	06:56:36 PM TRAC TVP	Mar 12, 2018 1 2 3 4 5 6 MWWWWW	Frequency	
		FGain:Low	#Atten: 40 dB			∞ kr2 25.7	T   A A A A A A	Auto Tune	
10 dB/div Ref	Offset 8.48 dB 30.00 dBm					-29.09	4 dBm		
20.0								Center Freq 13.015000000 GHz	
								13,0100000 GHz	
10.0								Start Freq	
0.00								30.000000 MHz	
-10.0		+ +					-13.00 dBm	Stop Freq	
-20.0		+ +						26.00000000 GHz	
-30.0								CF Step 2.697000000 GHz	
-40.0	~	hand		man	~~~~			Auto Man	
-50.0	~~							Freq Offset	
								0 Hz	
-60.0									
Start 30 MHz	142	#\/D\#\	3.0 MHz*		Sween C	Stop 2	5.00 GHz		
#Res BW 1.0 N	1112	#VBW3	3.0 MHZ"		Sweep 6	4.93 ms (*	out pts)		
	(Chann	al Bandu	width · E M				B#24		
	Channe	- Danuw	vidth: 5 M		QP		D#24		

Agilent Spectrum A	nalyzer - Swe	pt SA									
	79.500	kHz PN	O: Wide	1		Avg Type	RMS	05:56:40 PM TRAC TYP	1 2 3 4 5 6 M	Frequency	
_			ain:Low	#Atten: 10	0 dB					Auto Tune	
10 dB/div Re	f Offset 8.4 ef 8.44 dE	4 dB Im									
										Center Freq	
-1.56										79,500 kHz	
-11.6										Start Freq	
-21.6										9.000 kHz	
-31.6									-33.00 -89-0	Ctop Erog	
										150.000 kHz	
-41.0					.1						
			A . (A #		A Da Ana		M			14.100 kHz	
-01.5 WWWWWW	Manne	AN CONTRACTOR	ALMANA	hallow	umurum V	Marth	unthy we t	hal Madada	WALAVA	Hoto Man	
-71.6							1.		· r	Freq Offset	
-81.6										0 Hz	
			#VBM	3.0 -			Sween 1	Stop 15	0.00 kHz		
MSG				5.0 KHZ							
	matyzer - Swe	pt SA									
CO RL F	₩ 50 Q <b>/</b>					Avg Type	RMS	06:56:45 PM TRAC	Mar 12, 2018	Frequency	
		IFC	io: Fast	#Atten: 10	0 dB	Avgineid:				Auto Tupe	
10 dB/div R	f Offset 8.4 of 8.44 dE	4 dB im						-55.01	19 dBm		
										Center Freq	
-1.56										15.075000 MHz	
-11.6										Start Fred	
-21.6									-23.00 dBm	150.000 kHz	
21.0											
-31.6											
-41.6											
-51.6										CF Step 2.985000 MHz	
-61.6										Auto Man	
-71.6										Freq Offset	
l lì						المجالية				0 Hz	
-81.6	Printerior	NHAR LANK	Mand	moherende	مردند بردارد. مردند بردارد بار	Mar Martin	M. Harrison		mushaw		
Start 150 kHz	z	North 1			11-41-1		1.00017	Stop 3	0.00 MHz		
	kHz		#VBW	30 kHz*		1	- deceb		,		
	nalyzer Sw	ot SA	_		_	_	pinitus		pied		
CO RL P	Φ 50 <u>Ω</u>	AC	Hz			Avg Type		05:55:49 PM	Mar 12, 2018	Frequency	
eenter 116g	13.0150	Ph	IO: Fast	#Atten: 40	e Run 0 dB	Avg Hold:	4/100	TYP			
10 dB(dive B)	of Offset 8.4	BdB					м	kr2 25.7	14 GHz	Auto Tune	
		2								Center Freq	
	1 1									13.015000000 GHz	
20.0					1	1					
20.0 10.0 1											
10.0										Start Freq 30.000000 MHz	
10.0 0.00											
10.0									-13.00 dBm	30.000000 MHz Stop Freq	
10.0 0.00										30.000000 MHz	
10.00 0.000 -10.0									-13.00 dBm	30.000000 MHz Stop Freq 26.00000000 GHz	
10.0 0.00 -10.0 -20.0 -30.0	~~~							have been a second		30.000000 MHz Stop Freq 26.00000000 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-			r shung or		30.000000 MHz Stop Freq 26.00000000 GHz 2.697000000 GHz <u>Auto</u> Man	
10.0 0.00 -10.0 -20.0 -30.0			rueter.					r a mara		30.000000 MHz Stop Freq 26.00000000 GHz CF Step 2.597000000 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		30.000000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz Auto Man Freq Offset	
-10.0 -10.0 -20.0 -30.0 -40.0 -60.0		un start and a start	rpetre	- ₁₁₁₋ 2-1-			frant open open open	roman of		30.000000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz Auto Man Freq Offset	
10.0 ↓1 10.0 ↓ 10.0 ↓ 10.0 ↓ 20.0	MHz		#vBW	3.0 MHz				4.93 ms (	3.00 GHz	30.000000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz Auto Man Freq Offset	
10.0 ↓1 10.0 ↓ 10.0	MHz						STATUS	4.93 ms (	5.00 GHz 1001 pts)	30.000000 MHz Stop Freq 26.00000000 GHz 2.597000000 GHz Auto Man Freq Offset	
	10 dB/div         Received and and and and and and and and and an	Center Freq 79.5001	Center Freq 79.500 kHz Ref Offset 8.44 dBm 10 dB/div Ref 8.44 dBm 11 db db/div Ref 8.44 dBm 12 db db/div Ref 8.44 dBm 13 db	Center Freq 79.500 kHz PRO Wide If Calind ov Ref Offset 6.44 dB 	Center Freq 79.500 kHz If Gaintaw Ref Offset 8.44 dB 10 dB/div Ref 2.44 dB 11 50 11 50	Center Freq 79.500 kHz         Trig: Free Run If Calable         Trig: Free Run If Calable           10 dB/div         Ref Offset 8.44 dB         Image: Second Se	Center Freq 79.500 kHz         Trig: Free Run Braintaw         Avg Type Trig: Free Run Avg Heid:           10 dB/div Ref 8.44 dBm         Ref Offset 8.44 dBm         Image: State 1.0 dB         Avg Heid:           116         Image: State 1.0 dB         Image: State 1.0 dB         Image: State 1.0 dB         Avg Heid:           116         Image: State 1.0 dB         Image: State 1.0 dB	Center Freq 79.500 kHz         Trg: Pres Run Braintow         Avg1Heid: 8700           10 dB/div         Ref Offset 0.44 dB         M           116         Image: State 1.00         M           116         Image: State 1.00         Image: State 1.00         M           116         Image: State 1.00         Image: State 1.00         Image: State 1.00         Image: State 1.00           116         Image: State 1.00           116         Image: State 1.00         <	Center Freq 79.500 KHz     PND: Wide Tig: Free Run Avg Type: RMS     Avg Type: RMS       10 dB/div     Ref Offset 0.44 dB     Mkr1 85.5       115	Center Freq 79.500 kHz         Tig Free Run Brown to dd         Avg Type: RMS         Tid B Tree Run Run to dd           10 graw Ref Offeet 6.44 db         Mkr1 85.886 kHz         Mkr1 85.886 kHz           10 graw Ref Offeet 6.44 db         -53.794 dBm           116         -55.010 dBm           116         -55.010 dBm           116         -55.019 dBm           116         -55.019 dBm           116         -55.019 dBm           116         -55.019 dBm	Center Freq 79.500 Htz Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter



	gilent Spectrum A	nalyzer - Swe	pt SA								
	enter Freq	79.500	kHz an	IO: Wide ++ Gain:Low		e Run	Avg Type Avg Hold:	: RMS 8/100	06:57:50 PM TRAC	123456	Frequency
	_			Gain:Low	#Atten: 1	0 dB			ıه Mkr1 9.4	TAAAAAA	Auto Tune
10	0 dB/div Re	f Offset 8.4 f 8.44 dE	4 dB 3m						-62.8	86 dBm	
											Center Freq
-1.	1.56										79.500 kHz
-1	11.6										Start Freq
-2	21.6										9.000 kHz
-3	11.6									-22.00 48m	Stop Freq
-4	41.6										150.000 kHz
											CF Step
-5	51.6										14.100 kHz Auto Man
-6	51.6 Mara										
-7	71.6 TOWN	Anna	M. Min	ul Burte	م اد د	et N.	1 10	- e3 - 8			Freq Offset 0 Hz
-8	31.6	. 1	- MAN W	יייטיאט ייי	MORANY	han rain	M. Winter	Ny Vrhate	n and a state of the	erenny-refe	
~											
#	tart 9.00 kH Res BW 1.0	z kHz		#VBW	3.0 kHz*		1		74.0 ms (		
MS								STATUS	5 🚹 DC Cou	pled	
C20	RL RL	F 50 9	th DC		sar	NRE:INT		ALIGNAUTO	06:57:59 PM	M# 12, 2018	Frequency
C	enter Freq	15.0750	Ph	10: Fast 🔸	#Atten: 1	e Run 6 dB	Avg Type Avg[Hold:		TRAC TVP DE		
	Re	f Offset 8.4 of 8.44 dE								150 kHz 12 dBm	Auto Tune
10	odB/div Re	er 8.44 dE	3m						-62.7		
-1	1.56										Center Freq 15.075000 MHz
.4	11.6										
	21.6									-23 00 dile	Start Freq 150.000 kHz
.3	01.6										Stop Freq 30.000000 MHz
-4	41.6										30.000000 MH2
-5	51.6										CF Step 2.986000 MHz
-6	51.6										<u>Auto</u> Man
.7	71.6										Freq Offset
	approximation in the	1		JL.			wath				0 Hz
-0	51.6 Vigi	المراولية	of Constant	""made all of	nydelwedgewe	K.M. Markey Mark	What .	My may have	an a	physeditlesprei	
S1	tart 150 kHz Res BW 10	447		#VBW	30 kHz*			Sween 3	Stop 3 68.3 ms (	0.00 MHz	
MS		NH2		#780	30 KH2				DC Cou		
Ag	gilent Spectrum A	nalyzer - Swe	pt SA								
	enter Freq	13.0150	00000 G	Hz IO: Fast -> Gain:Low	1	e Run	Avg Type Avg[Hold;	: RMS 4/100	00:50:02 PN TRAC TVP DE	F 1 2 3 4 5 6 C M	Frequency
		f Offset 8.4		ain:Low	#Atten: 4	DdB			kr2 25.6	88 GHz	Auto Tune
10	0 dB/div Re	f 30.00 d	IBm						-29.20	04 dBm	
1											Center Freq 13.015000000 GHz
	20.0										13.015000000 GHz
	20.0 										1
											Start Freq
1	1										Start Freq 30.000000 MHz
1 0	10.0 <b>1</b>									-13.00 dBm	30.00000 MHz Stop Freq
1) 0 -11	10.0 <b>1</b>									-13.00 dBm	30.000000 MHz
11 0 -11 -28	10.0 1 0.00 1 10.0 1									-13.00 alben	30.000000 MHz Stop Freq 26.00000000 GHz
1 0 -11 -21	10.00 1 0.00 1 00.00 1 00.0 1 00.0 1 00.0 1 00.0 1					manna		~~~~~		-13.00 dBm	30.000000 MHz Stop Freq 26.00000000 GHz
11 0 -11 -23 -33 -44	10.0 1 10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	*****						~~~~		-13.00 dDe	30.00000 MHz Stop Freq 26.00000000 GHz 2.69700000 GHz <u>Auto</u> Man
11 0 -11 -23 -33 -44	10.00 1 0.00 1 00.00 1 00.0 1 00.0 1 00.0 1 00.0 1	******						~~~~~		-13 00 dDm	30.00000 MHz Stop Freq 26.00000000 GHz CF Step 2.597000000 GHz
1 0 -11 -33 -44 -69	10.0 1 10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	34						~~~~		-13.00 @00	30.00000 MHz Stop Freq 26.00000000 CHz CF Step 2.59700000 CHz Auto Man Freq Offset
1 0 .1 .3 .3 .4 .4 .4 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	10.0 100 10.0 1	****	nytteluurigenyn		مريورية	where a	and the Party of	~~~~	Stop 2		30.00000 MHz Stop Freq 26.00000000 CHz CF Step 2.59700000 CHz Auto Man Freq Offset
1 0 .1 .3 .3 .4 .4 .4 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	10.0 1 10.0 1	MHz		₽- <del>,</del>	3.0 MHz			Sweep 6	i4.93 ms (	6.00 GHz	30.00000 MHz Stop Freq 26.00000000 CHz CF Step 2.59700000 CHz Auto Man Freq Offset



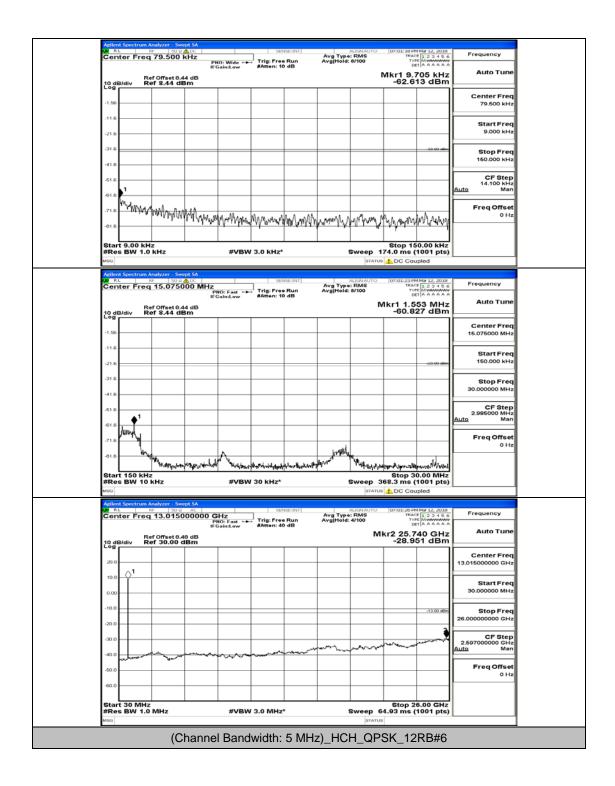
Agilent Spectrum	Analyzer - Swe	not SA								
Center Fred	PE 50.0	≜ DC			ER:INT	Avg Type	RMS	06:59:20 Pf	4 Mar 12, 2018	Frequency
Conter Prec	10.0001	Ph	NO: Wide -+ Gain:Low	#Atten: 16	Run 8 dB	Avg Hold:	9/100	D	4 Mar 12, 2018 # 1 2 3 4 5 6 M M M M M M M M M M M M M M M M M M M	
R	ef Offset 8.4						M	kr1_10.1	833 kHz 51 dBm	Auto Tune
10 dB/div R	ef Offset 8.4 ef 8.44 dE	Bm			-			-55.2	51 dBm	
										Center Freq
-1.56										79.500 kHz
-11.6										
										Start Freq
-21.6										9.000 kHz
-31.6										
-31.6									-33.00 dBm	Stop Freq
-41.6										150.000 kHz
										CE Stan
-51.6 • 1										CF Step 14.100 kHz Auto Man
-61.6 Ant Martin										Auto Man
. M ParPa	hunner									Freq Offset
-71.6	1 1 1 1 1	Marla II	1ի անդերելո	han. when	and a	A1	L			0 Hz
-81.6		,	· · · · · ·	Law he.	www.www	h nha har	My W	kmannah	mound	L
	Murmur									
								Stop 15	00.00 KHZ	
#Res BW 1.0	kHz		#VBW	3.0 kHz*					1001 pts)	
MSG							STATUS	LDC Cou	pled	
Agilent Spectrum	Analyzer - Swo	pt SA								
Center Fred	15.0750	00 MHz		Ser.	201:1NT	Avg Type	RMS	00:59:25 Pf	4 Mar 12, 2018 # 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
Center Fred		PI	NO: Fast Gain:Low	#Atten: 10	dB	Avginoid:				
R	ef Offset 8.4 ef 8.44 dE	4 dB					E.	1kr1 3.4	04 MHz	Auto Tune
10 dB/div R	ef 8.44 dE	Bm				1		-62.4	84 dBm	
										Center Freq
-1.56										15.075000 MHz
-11.6										
										Start Freq
-21.6									-23.00 dBm	150.000 kHz
-31.6										
.31.6										Stop Freq
-41.6										30.000000 MHz
										CE Stop
-51.6										CF Step 2.985000 MHz
-61.6	<b>♦</b> ¹									Auto Man
al Mahitum	ll.									Freq Offset
-71.6 00 04 04 04 04 04 04 04 04 04 04 04 04	WWW.					alk				0 Hz
-81.6	1 Maria		1			1 willy				
		*intrasty	1 hourse	and some of the second	uninger	west	Witewooder	www.www.wh	weather	
Start 150 kH	z							Stop 3	0.00 MHz	
#Res BW 10	kHz		#VBW	30 kHz*				68.3 ms (	1001 pts)	
MSG							STATUS	LDC Cou	pled	
Agilent Spectrum	Analyzer - Swo	ept SA			FR-INT ¹		ALION & TTO	Development of	AMR 12 1911	
Center Fred	13.0150	00000 G	Hz	Trig: Free #Atten: 40	Run	Avg Type Avg[Hold;	: RMS	TRAC	4 Mar 12, 2018 # 1 2 3 4 5 6 M M M M M M M	Frequency
		IFO	Gain:Low	#Atten: 40	dB	. wan tota:		D		Auto Tune
R	ef Offset 8.4 ef 30.00 d	8 dB					M	kr2 25.7	'40 GHz 54 dBm	Auto Tune
10 dB/div R	er 30.00 d	IBM				1		-20.3		
										Center Freq
20.0										13.015000000 GHz
10.0			<u> </u>							
										Start Freq 30.000000 MHz
0.00										30.00000 MHz
-10.0										
									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0			-							GOOGGOOGGH2
-30.0										CF Step
-30.0								man	monter	CF Step 2.597000000 GHz Auto Man
-40.0	and the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m	mar	- here	~~~~	***		<u>Auto</u> Man
man	~~~~~									EreaOffect
-50.0										Freq Offset 0 Hz
-60.0										
-60.0										
	!							Stop 2	6.00 GHz	
Start 30 MHz #Res BW 1.0	MHz		#VBW	3.0 MHz	*		Sweep 6	Stop 2 4.93 ms (	6.00 GHz 1001 pts)	
Start 30 MHz	MHz		#VBW	3.0 MHz	×	·	Sweep 6	4.93 ms (	6.00 GHz 1001 pts)	

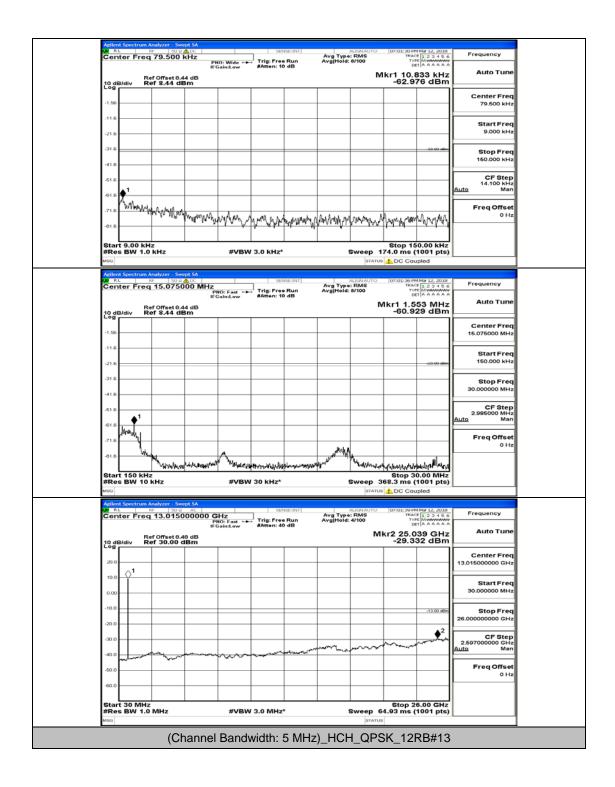
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

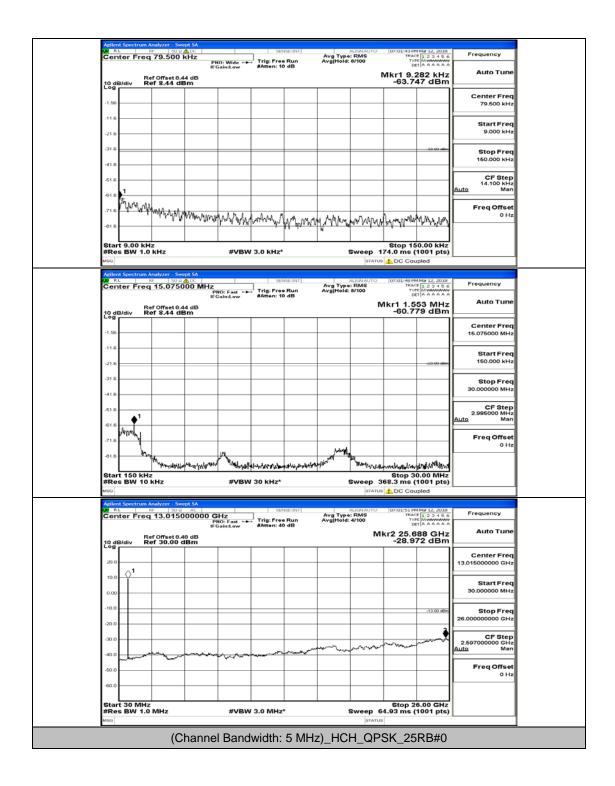
Agilent Spectrum Analyzer - Swept SA		
RL RF 50 2 C SENSEINT ALIGNAUT	TRACE 123456 Frequency	
IFGain:Low #Atten: 10 dB	Mkr1 72.027 kHz Auto Tune	
Ref Offset 8.44 dB 10 dB/div Ref 8.44 dBm Log	-54.550 dBm	
-1.56	Center Freq 79.500 kHz	
.11.6	75.000 KH2	
	Start Freq 9.000 kHz	
-21.6	5000 KH2	
-31.6		
-41.6		
	CF Step 14.100 kHz Auto Man	
	Mala Marana and A	
-71.6	Freq Offset	
-81.6		
Start 9.00 kHz	Stop 150.00 kHz	
#Res BW 1.0 kHz #VBW 3.0 kHz* Sweep	174.0 ms (1001 pts)	
Aellent Spectrum Analyzer - Swept SA		
Center Freq 15.075000 MHz SUNSIEINT ALIONAUT	07:00:01 PM Mar 12, 2018 TRACE 12: 2: 3: 4: 5: 6 TYPE MWWWWW DET A A A A A A	
PRO: Fast Trg: Free Run Avginoid: 0/100 IFGain:Low #Atten: 10 dB	Mkr1 150 kHz Auto Tune	
Ref Offset 9,44 dB 10 dB/div Ref 8,44 dBm Log	-56.533 dBm	
1.66	Center Freq	
	15.075000 MHz	
-11.6	Start Freq	
-21.6	-22 00 dBm 150.000 kHz	
-31.6	Stop Freq	
-41.6	30.000000 MHz	
-51.6 1	CF Step 2.985000 MHz	
61.8	Auto Man	
-71.6	Freq Offset	
01.0 Valler Althours and which and a start and a start and a start of the start and a	012	
	www.lana.gov.m.guarleyallinanua	
	Stop 30.00 MHz 368.3 ms (1001 pts)	
	TUS ADC Coupled	
Addent Spectrum Analyzer - Swept SA RL RD RD 20 G AC SEADEINT ALIGNAUT Center Freq 13.015000000 GHz Avg Type: RMS	07300049MMar12,2018 TRACE 12.2.345.6 TYPE MWWWWW DET A A A A A	
	Auto Ture	
Ref Offset 8.48 dB Log Ref 30.00 dBm	Mkr2 25.221 GHz -29.107 dBm	
Log	Center Freq	
20.0	13.015000000 GHz	
	Start Freq	
0.00	30.000000 MHz	
-10.0	-13.00 dbm Stop Freq	
-20.0	26.00000000 GHz	
-30.0	2.597000000 GHz	
10.0	Auto Man	
-50.0	FreqOffset	
-60.0	0 Hz	
	Stop 26.00 GHz 64.93 ms (1001 pts)	
MSG	ATUS	
(Channel Bandwidth: 5 MHz)_HCH_Q	PSK_1RB#12	

Agilent Spectrum A	nalyzer - Swe	pt SA									
Center Freq	79.500	KHZ BN	O: Wide	-	e Run	Avg Type Avg[Hold:	: RMS 8/100	07:00:08 PF TRAC	4 Mar 12, 2018 # 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: Wide 🔸 Gain:Low	#Atten: 1	0 dB			™ 1kr1 84.		Auto Tune	
10 dB/div Re	of Offset 8.4 ef 8.44 dB	4 dB Sm							98 dBm		
										Center Freq	
-1.56										79.500 kHz	
-11.6										Start Freq	
-21.6										9.000 kHz	
-31.6									-33.00 484		
										Stop Freq 160.000 kHz	
-41.6											
-51.6				1	1 h					CF Step 14.100 kHz Auto Man	
-61.6 WHATMAN	Maytown	and when the	And March	han san	the max w	program	an a show	www.jull	CAMPA-	Auto Man	
-71.6										Freq Offset 0 Hz	
-81.6										0 112	
Start 9.00 kH #Res BW 1.0			#VBW	3.0 kHz	,		Sweep 1	Stop 15	0.00 kHz 1001 pts)		
MSG								S 1 DC Cou			
Agilent Spectrum A	natyzer - Swe	pt SA									
Center Freq	15.0750	00 MHz	10: Fast 🔸		e Run	Avg Type Avg Hold:	: RMS 8/100	07:00:13 Pf TRAC TVI	123456	Frequency	
		IFG	ain:Low	#Atten: 1	0 dB			D	150 kHz	Auto Tune	
10 dB/div Re	ef Offset 8.4 ef 8.44 dB	4 dB Sm						-55.9	95 dBm		
										Center Freq	
-1.56										15.075000 MHz	
-11.6										Start Freq	
-21.6									-23.00 dBm	150.000 kHz	
-31.6										Stop Freq	
-41.6										30.000000 MHz	
										CF Step	
-51.6										2.986000 MHz Auto Man	
-61.6											
-71.6								-		Freq Offset 0 Hz	
81.6			r.			A second	h	Црниум/РАМ Stop 3 368.3 ms (	u		
"Verstand	MALL HUNDE	an all and the state of the second	transon	and the states of the second	A. Arton an araily	and the	Witnessell	ulpran,m/oshin-	and the second		
Start 150 kHz #Res BW 10			#VBW	30 kHz*		,	Sweep 3	Stop 3 368.3 ms (	0.00 MHz 1001 pts)		
MSG							STATUS	S 🚹 DC Cou	pled		
Agilent Spectrum A	9 50 S	AC	1	540	NSEINT		ALIGN AUTO	07:00:17 9	4 Mar 12, 2014		
Center Freq	13.0150	Ph	IO: Fast		e Run	Avg Type Avg Hold:	: RMS 4/100	07:00:17 Pf TRAC TYI	* 123456 M	Frequency	
P.	of Offset 8.4		ain:Low	#Atten: 4			м	kr2 25.7	'14 GHz	Auto Tune	
10 dB/div Re	ef 30.00 d	Bm						-28.8	10 dBm		
20.0										Center Freq 13.015000000 GHz	
10.0											
										Start Freq	
0.00								1		30.00000 MHz	
-10.0									-13.00 dBm	Stop Freq	
-20.0										26.00000000 GHz	
-30.0									A starter	CF Step	
-40.0		-			hanna	m	ŝ	harmen		2.597000000 GHz Auto Man	
	~~~~		~~~~							Freq Offset	
~~~~~										Freq Offset 0 Hz	
-50.0						1					
~~~~~											
-50.0								Stop 2	6.00 CH-		
-50.0 -60.0 Start 30 MHz #Res BW 1.0	MHz		#VBW	3.0 MHz	*			64.93 ms (6.00 GHz 1001 pts)		
 -50.0 -60.0 Start 30 MHz	MHz		#VBW	3.0 MHz	*		Sweep 6	64.93 ms (6.00 GHz 1001 pts)		

Aglient Spectrum Analyzer - Sw				
Center Freq 79.500	ALOC SEMBLEINT KHZ PNO: Wide →→ IFGain:Low #Atten: 10 dB	ALIONAUTO 07:00:21 PM Mir 12, 2018 Avg Type: RMS TRACE 12 3 4 5 6 Avg[Hold: 8/100 TVPC MWWWW DET A A A A A A	Frequency	
Butter		Mkr1 72.450 kHz	Auto Tune	
10 dB/div Ref 8.44 di	la de Bm	-54.535 dBm		
-1.56			Center Freq 79.500 kHz	
			79.500 KH2	
-11.6			Start Freq	
-21.6			9.000 kHz	
-31.6		-22.00 eBen	Stop Freq	
-41.6			150.000 kHz	
-51.6	▲1		CF Step	
or a har margina	hegen how have not have have had here had here have have have have have have have hav	Monoral Marca Marcal march some and	Auto Man	
-71.6			Freq Offset	
			0 Hz	
-81.6				
Start 9.00 kHz	#\/BW 2 0 LU-*	Stop 150.00 kHz		
#Res BW 1.0 kHz	#VBW 3.0 kHz*	Sweep 174.0 ms (1001 pts) STATUS ADC Coupled	I	
Agilent Spectrum Analyzer - Sw				
Center Freq 15.0750	PNO: Fast Trig: Free Run	ALIONAUTO 07500:26 PM Mir 12, 2018 Avg Type: RMS TRACE [1 2 3 4 5 6 Avg[Hold: 8/100 TYPE MWWWW DTT A A A A A A	Frequency	
Def Offerto	IFGain:Low #Atten: 10 dB	Mkr1 150 kHz	Auto Tune	
Ref Offset 8.4 10 dB/div Ref 8.44 di	Bm	-56.217 dBm		
-1.56			Center Freq 15.075000 MHz	
-11.6				
			Start Freq 150.000 kHz	
-21.6		-23.00 dBm	100.000 kHz	
-31.6			Stop Freq	
-41.6			30.000000 MHz	
-51.6 1			CF Step 2.986000 MHz	
-61.6			Auto Man	
-71.6			Freq Offset	
-81.6	A	MAN HUMMINIPACHUMAN	0 Hz	
han in the second second	and all all a second and the second	Webstry Wardshow and share and whether and		
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*	Stop 30.00 MHz Sweep 368.3 ms (1001 pts)		
MSG	# - _	STATUS DC Coupled		
Agilent Spectrum Analyzer - Sw 100 RL RF 50 9	AC SENSEINT	ALIONAUTO 07:00:29 PM Mir 12: 2018		
Center Freq 13.0150	D00000 GHz PNO: Fast Trig: Free Run	ALIONAUTO 07:00:29 PM Mbr 12, 2018 Avg Type: RMS TRACE 12 2 4 5 6 Avg[Hold: 4/100 DET A A A A A DET A A A A A	Frequency	
Ref Offset 8.4	48 dB	Mkr2 25.714 GHz	Auto Tune	
10 dB/div Ref 30.00 d	1Bm	-28.650 dBm		
20.0			Center Freq 13.015000000 GHz	
10.0				
0.00			Start Freq 30.000000 MHz	
-10.0				
		-13.00 dBm	Stop Freq 26.00000000 GHz	
-20.0				
-30.0		man man man	CF Step 2.597000000 GHz <u>Auto</u> Man	
-40.0 martine and an and				
-50.0			Freq Offset 0 Hz	
-60.0				
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MHz*	Stop 26.00 GHz Sweep 64.93 ms (1001 pts)		
MSG		STATUS		
10	hannel Bandwidth: 5 MH:	-) UCU ODEK 1200#0		

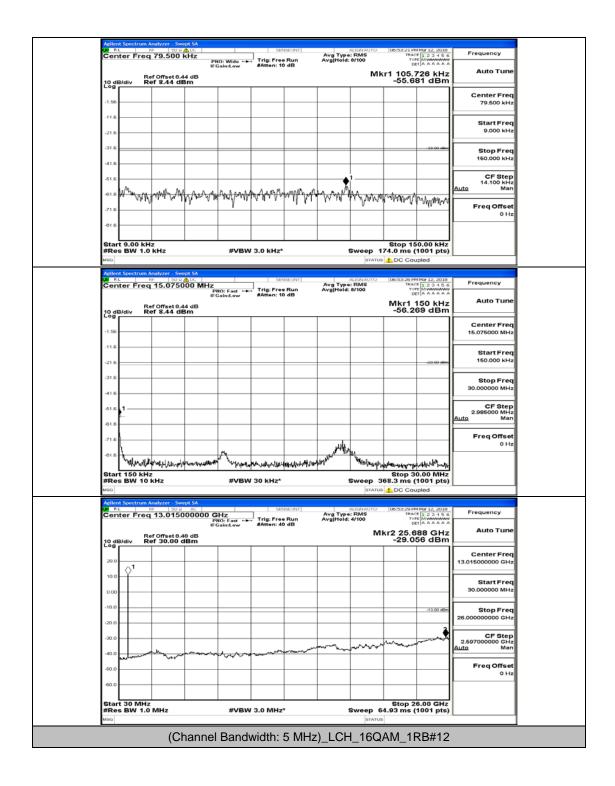






Agilent Spectrum	Analyzer - Swe	ot SA									
Center Fred	RE 50.07	A DC		SU	NSEINT	Avg Type	RMS	07:02:47 P	4 Mar 12, 2018 * 1 2 3 4 5 6 * MWWWWWW T A A A A A A	Frequency	
Somer Free	1 1 3.500 1	PI	10: Wide Sain:Low	#Atten: 10	e Run 0 dB	Avg Type Avg[Hold:	8/100	D			
R	ef Offset 8.4						м	kr1 11.	538 kHz	Auto Tune	
10 dB/div R	ef Offset 8.4 ef 8.44 dE	Sm						-63.6	50 dBm		
										Center Freq	
-1.56										79.500 kHz	
-11.6											
										Start Freq	
-21.6										9.000 kHz	
-31.6									-23.00 -89-	Ctop Eron	
										Stop Freq 150.000 kHz	
-41.6											
-51.6										CF Step	
										14.100 kHz Auto Man	
-61.6	however where										
-71.6	han a									Freq Offset	
	ANNA WAY	hymility A	manna	AR AND AN	Back	1. 1	Adam	. 16. 11.11	sules.	0 Hz	
-81.6		. 18	1.1.1.1.1	they atter	ha and	ht. would f	Martha Alle	h whith	rWitnerver		
Start 9.00 kH #Res BW 1.0				/ 3.0 kHz*			Sweep 1	stop 15 74.0 ms (i0.00 kHz 1001 pts)		
MSG								DC Cou			
Agilent Spectrum	Analyzer - Swo	ot SA									
Agrient Spectrum	NF 50 Q			587	NEREINT	Ave Tur		07:02:52 P	4 Mar 12, 2018	Frequency	
Center Fred	15.0750	DU MHZ	NO: Fast 🔸	Trig: Free	e Run 0 dB	Avg Hold:	8/100	TVI	* 1 2 3 4 5 6 * 1 2 3 4 5 6 * M		
-		110	Jain:Low	#Atten: 10					04 MHz		
10 dB/div R	ef Offset 8.4 ef 8.44 dE	a dB Bm						-63.3	83 dBm		
-39										Center Freq	
-1.56	-									15.075000 MHz	
.11.6											
-11.6										Start Freq	
-21.6	-		-						-23.00 dBm	150.000 kHz	
-31.6											
-31.6										Stop Freq	
-41.6										30.000000 MHz	
										CF Step	
-51.6										CF Step 2.986000 MHz Auto Man	
-61.6	♦ ¹									<u>Auto</u> Man	
71.6 141444194	1.1									Freq Offset	
-71.8	1					star.				0 Hz	
-81.6	when	eat.e	M			ANY Y	h				
		- iply to use pro	and a start	mit-manselve	withhat	have	"Henry the speech	hours and	open and the second		
Start 150 kH	z				-			Stop 3	0.00 MHz		
#Res BW 10	кНZ		#VBW	/ 30 kHz*		1		68.3 ms (1001 pts)		
							STATUS	- DC C01	ipled		
(X) 81	Analyzer - Swe	8C		547	NRUNTI		ALIGNAUTO	07:02:56 Pt	4 Mar 12, 2014		
Center Fred	13.0150	00000 G	Hz	Trig: Free	e Run	Avg Type Avg[Hold:	: RMS 4/100	TRAC	1 2 3 4 5 6 1 2 3 4 5 6 MWWWWWWW	Frequency	
			Gain:Low	#Atten: 40	0 dB			D		Auto Tune	
	ef Offset 8.4 ef 30.00 d	8 dB IBm					M	-29.0	'14 GHz 59 dBm		
10 dB/div R	00.000										
20.0										Center Freq 13.015000000 GHz	
1										10.0 100000 GHz	
10.0			<u> </u>							Start Freq	
0.00										30.000000 MHz	
-10.0					-				-13.00 dBm	Stop Freq	
-20.0										26.00000000 GHz	
									2		
-30.0	-									CF Step 2.697000000 GHz	
-40.0				- un	mon	and and	~~~~			Auto Man	
-40.0 contractor	and the second		-								
-50.0										Freq Offset	
										0 Hz	
-60.0											
Btart 20 Mill								Stop 2	6.00 CH-		
Start 30 MHz #Res BW 1.0	MHz		#VBW	/ 3.0 MHz	*	1	Sweep 6	5.0p 2 4.93 ms (6.00 GHz 1001 pts)		
MSG							STATUS				

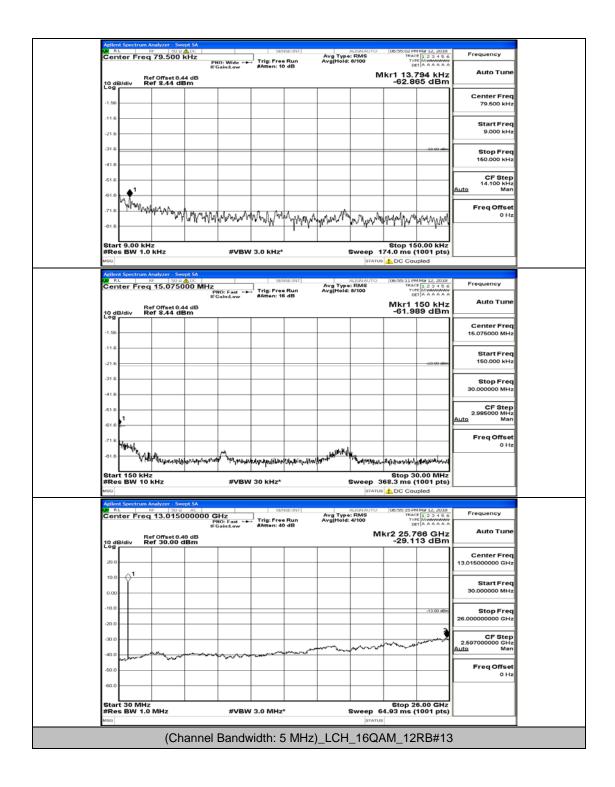
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

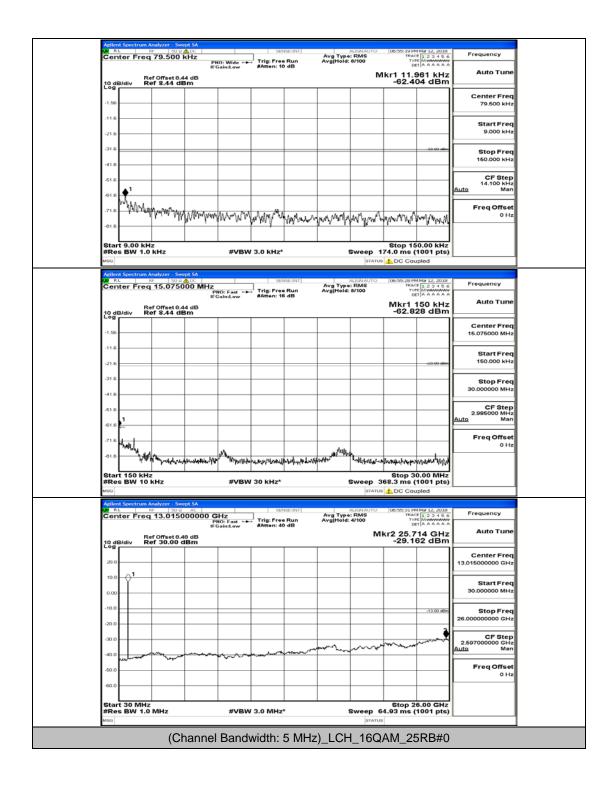


Agilent Spectrum	amonyzer - Swe										
Center Fred	79.500	kHz	O: Wide	-	e Run	Avg Type Avg[Hold:	: RMS 8/100	06:53:33 PM TRAC	Mar 12, 2018 E 1 2 3 4 5 6 C M M M M M M M M M M M M M M M M M M M	Frequency	
			10: Wide Sain:Low	#Atten: 10	dB			ikr1 34.0		Auto Tune	
10 dB/div R	tef Offset 8.4 tef 8.44 dE	4 dB 3m					IV		00 dBm		
Log										Center Freq	
-1.66	-									79.500 kHz	
-11.6					<u> </u>						
-21.6										Start Freq 9.000 kHz	
121.0											
-31.6	+				<u> </u>				-33.00 48m	Stop Freq	
-41.6										150.000 kHz	
-51.6	1									CF Step	
on WMM	unter hi	الم سال ال	A makes	ALAM	no Marson	A 4400P				14.100 kHz Auto Man	
-01.0 × -10 4	W. W. R.	mohinty	a Net mitelle	لمبلم	with the following of the	With	Ruffunder	MAMMAN	nayamil	Eren Offent	
-71.6										Freq Offset 0 Hz	
-81.6											
Start 9.00 kH #Res BW 1.0			#VBW	3.0 kHz*	1		Sweep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)		
 MSG								DC Cou			
Agilent Spectrum.	Analyzer - Swe	ept SA									
	15.0750	00 MHz	NO: Fast		e Run	Avg Type Avg[Hold:	: RMS 8/100	06:53:38 PM TRAC	F 1 2 3 4 5 6	Frequency	
		IFG	Sain:Low	#Atten: 10	dB			DE	T A A A A A	A	
10 dB/div R	tef Offset 8.4 tef 8.44 dE	4 dB 3m						-56.7	150 kHz 21 dBm		
										Center Freq	
-1.56										15.075000 MHz	
-11.6	-				-			-		Start From	
-21.6									-23.00 dBm	Start Freq 160.000 kHz	
-31.6										Stop Freq 30.000000 MHz	
-41.6										30.000000 MH2	
-51.6					<u> </u>					CF Step 2.985000 MHz	
-61.6										Auto Man	
										Freq Offset	
-71.6										0 Hz	
-81.6			\wedge		1	- Aller - Aller	h	Stop 3			
1000	k manunul	PUBBLIC PARTIES	~*~**	Man Birth Parts	ver-llassillesel	<u>for</u>	"Wether the	www.www.www.www.w	0.00 MHz		
Start 150 kH #Res BW 10				30 kHz*				Stop 3	1001 pts)		
	kHz					1	Sweep 3	08.3 ms (
MSG	кНz						sweep 3	DC Cou			
MSG Agilent Spectrum		Apt SA			VINICIANT		STATUS	DC Cou	pled		
MSG	Analyzer - Swe ার্ট হিচ ম	AC 00000 G	NO: Fast	. Trig: Free	NREINT] e Run	Avg Type Avg Hold:	STATUS	DC Cou	1Mar 12, 2018	Frequency	
Aglient Spectrum	Analyzer - Swe № 50 9 q 13.0150	AC 000000 G PI IFC	Hz NO: Fast Sain:Low	Ser	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	DC Cou	Mar 12, 2018 E 12 3 4 5 6 Mar 12, 2018 E 12 3 4 5 6		
 Aglient Spectrum	Analyzer - Swe ার্ট হিচ ম	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	Mar 12, 2018 E 12 3 4 5 6 Mar 12, 2018 E 12 3 4 5 6		
 Agilent Spectrum vi RL Center Frec 10 dB/div R Log	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	112 2 1 5 6 12 2 1 5 6 12 3 4 5 6 14 4 4 4 4 4 88 GHz	Auto Tune Center Freq	
 Addient Spectrum M RL Center Frec 10 dB/div 20.0	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	112 2 1 5 6 12 2 1 5 6 12 3 4 5 6 14 4 4 4 4 4 88 GHz	Auto Tune	
 Agilent Spectrum vi RL Center Frec 10 dB/div R Log	Analyzer - Swe	AC 000000 G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	112 2 3 5 6 12 2 3 5 6 12 3 4 5 6 12 3 4 5 6 14 4 4 4 4 4 88 GHz	Auto Tune Center Freq 13.015000000 GHz	
 Adlent Spectrum Adlent Spectrum Center Free 10 dB/div R 20.0	Analyzer - Swe	AC 000000 G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	112 2 3 5 6 12 2 3 5 6 12 3 4 5 6 12 3 4 5 6 14 4 4 4 4 4 88 GHz	Auto Tune Center Freq	
MSG Actient Spectrum 07 RL ↓ Center Frec 10 dB/div 20 0 10 0 0 00	Analyzer - Swe	AC 000000 G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	88 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz	
Mag Adent Sestrom at At Center Frec 20 0 10 dB/div R 20 0 10 0	Analyzer - Swe	AC 000000 G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	112 2 3 5 6 12 2 3 5 6 12 3 4 5 6 12 3 4 5 6 14 4 4 4 4 4 88 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq	
 MSG Actient Spectrum 07 RL ↓ Center Frec 10 dB/div 20 0 10 0 0 00	Analyzer - Swe	AC 000000 G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	13.00 dbs	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 MHz	
 Mag Adent Sestrom at At Center Frec 20.0 10.0 10.0 10.0 10.0	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	88 GHz	Auto Tune	
 MIG Addinat Spectrom Market Center Frec 200 100 0.00 -100 -200 -300	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	13.00 dbs	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz 26.00000000 GHz	
 MIG Anistration Spectrum a cit Conter Frec 200 200 100 -000	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	13.00 dbs	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.59700000 GHz Auto Man	
MIG Addinat Spectrom Market Center Frec 200 100 0.00 -100 -200 -300	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	13.00 dbs	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.0000000 GHz 25.00000000 GHz 2.65700000 GHz	
MIG Anistration Spectrum a cit Conter Frec 200 200 100 -000	Analyzer - Swe	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00:53:42 PM TRAC TYA DO kr2 25.6	13.00 dbs	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.507000000 GHz Auto Freq Offset	
 Mag Andread Seastrom Andread Seastrom A. Center Fred 10 dB/div 20.0	Analyzor See 2019	AC DOOOOO G Ph IFG	NO: Fast	. Trig: Free	e Run	Avg Type	STATUS STATUS ALIGN AUTO : RMS 4/100	00.3 mS (1300 de	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.507000000 GHz Auto Freq Offset	
Misic Anistrant Spectrum Anistrant Spectrum Anistrant Spectrum Center Frec 20.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	Analyzor Swe 13.0150 13.0150 14.0150	AC DOOOOO G Ph IFG		. Trig: Free	e Run 0 48		ртато ртато прина 4/100 М	00.3 mS (130 dB	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.507000000 GHz Auto Freq Offset	

Agilent Spectrum Analyz	er - Swept SA		CRARGE INT.		N KOM AL ITCO	Construction (Ma	Mix 171 78318		
Center Freq 79.	.500 kHz	0: Wide Trig: F ain:Low #Atter	SENSE:INT	Avg Type Avg[Hold:	RMS	06:53:45 PM TRAC TYP	1 2 3 4 5 6 M	Frequency	
Ref Off		ain:Low #Atter	n: 10 dB		м	kr1 77.2	244 kHz	Auto Tune	
10 dB/div Ref 8.	set 8.44 dB 44 dBm					-55.61	15 dBm		
-1.55								Center Freq 79.500 kHz	
-11.6									
								Start Freq 9.000 kHz	
-21.6								5.000 KH2	
-31.6							-23 00 dBm	Stop Freq	
-41.6								150.000 kHz	
-51.6			•i					CF Step 14.100 kHz	
on May May MA	m And market	al water and the second	n manual	frankan ha	hits attach	manh	which the	Auto Man	
-71.6	· ·	-		1	4 A .		1.10.1	Freq Offset	
-81.6								0 Hz	
Start 9.00 kHz #Res BW 1.0 kHz	2	#VBW 3.0 kH	-lz*	1		74.0 ms (*			
MSG						DC Cou			
Agilent Spectrum Analyz	50 g 🔥 DC		SENSE:INT]		LIGNAUTO	06:53:51 PM	Mar 12, 2018	Frequency	
Center Freq 15.	PN	IO: Fast Trig: F ain:Low #Atter	Free Run n: 10 dB	Avg Type Avg[Hold:	RMS	TRAC TVP DE		Frequency	
Ref Off	set 8.44 dB 44 dBm					Mkr1 1	50 kHz 24 dBm	Auto Tune	
10 dB/div Ref 8.	44 dBm					-30.02		ContexErco	
-1.56			_					Center Freq 15.075000 MHz	
-11.6									
-21.6							-23-00 dBm	Start Freq 150.000 kHz	
-31.6									
								Stop Freq 30.000000 MHz	
-41.6								CE Store	
-51.6								CF Step 2.986000 MHz Auto Man	
-61.6									
-71.6								Freq Offset 0 Hz	
-81.6	1	A L	1	A Start Market	alan a 1				
Start 150 kHz	n-bygangersetrophyd	" Whoneyou have been a	entral de la construir de la co La construir de la construir de	ganna.	- Participation	Stop 3	ነው MHz		
#Res BW 10 kHz		#VBW 30 kH	lz*	1		68.3 ms (1001 pts)		
Agilent Spectrum Analyz	er - Swept SA					-			
Center Freq 13.	50 9 AC	Hz	SENSE:INT]	Avg Type	RMS	06:53:54 PM TRAC TVP DE	Mar 12, 2018	Frequency	
	PN	IO: East Trig: I	Free Run n: 40 dB	Avg Hold:				Auto Tune	
10 dB/div Ref 30	set 8.48 dB 0.00 dBm				IVI	kr2 25.7 -29.13	14 GHz 35 dBm		
								Center Freq	
20.0								13.015000000 GHz	
10.0								Start Freq	
0.00								30.00000 MHz	
-10.0			_				-13.00 dBm	Stop Freq	
-20.0								26.00000000 GHz	
-30.0						~~	pur the second	CF Step 2.597000000 GHz	
-40.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	an warner	mm -	~~~~			Auto Man	
-50.0	April 1							Freq Offset	
								0 Hz	
-60.0									
Start 30 MHz #Res BW 1.0 MH	7	#VBW 3.0 M	Hz*		ween 6	Stop 20 4.93 ms (*	6.00 GHz		
MSG	-	#1214 3.0 M			SWEED 6		. 561 pts)		
	(Channel	Bandwidth	. 5 MH-		160	AM 10	RB#0		
	(Channel	Danuwiuti	1. J WITZ	.)_LOI	_100				

Agilent Spi	ectrum Analyzer - Sw	rept SA							
COO RL	Freq 79.500	≜ DC	Trig: Free Ru #Atten: 10 dB		RMS	00:54:40 PM M TRACE TVPE	123456 M	Frequency	
			#Atten: 10 dB			0er Vikr1 9.00		Auto Tune	
10 dB/div Log	v Ref 8.44 d	44 dB Bm				-62.86	6 dBm		
								Center Freq	
-1.55								79.500 kHz	
-11.6								Start Freq	
-21.6								9.000 kHz	
-31.6							-33.00 -69-	Stop Freq	
-41.6								150.000 kHz	
-51.6								CF Step	
-61.6								14.100 kHz Auto Man	
-71.6	Almah							Freq Offset	
-/1.6	1 MM CAN	winner and the	man have the presence	monterio	www	hannaha	Mungun	0 Hz	
-81.6							4.11		
Start 9.	00 kHz					Stop 150	0.00 kHz		
#Res B	W 1.0 kHz	#VE	3W 3.0 kHz*	ę		74.0 ms (1			
Agilent Spi	ectrum Analyzer - Sw	ept SA							
CO BL	Freq 15.075		SENSED			06:54:55 PM M TRACE TYPE	12 3 4 5 6 MMMMMM A A A A A A	Frequency	
		PNO: Fast IFGain:Low	#Atten: 16 dB	Avan Ma		Mkr1 1			
10 dB/div Log	v Ref 0ffset 8. v Ref 8.44 d	44 dB Bm				-62.57	8 dBm		
-1.56								Center Freq	
								15.075000 MHz	
-11.6								Start Freq	
-21.6						\vdash	-23-00 dBm	160.000 kHz	
-31.6								Stop Freq	
-41.6								30.000000 MHz	
-51.6								CF Step	
-61.6								2.985000 MHz Auto Man	
								Freq Offset	
-71.6 Killer				لولة ^{يعرب} للمريد				0 Hz	
-81.6	Vapilletth interspector		the provident	and the state of the	Ward Handson and	lethereter by	n folger Alderland		
Start 15	50 kHz					Stop 30	.00 MHz		
#Res B	W 10 kHz	#VE	3W 30 kHz*	5		68.3 ms (1		L	
Agilent Spo	ectrum Analyzer - Sw	rept SA							
CO RL	Freq 13.015	AC 000000 GHz	SENSE:	Avg Type	RMS	00:54:59 PM / TRACE TYPE DET	1 2 3 4 5 6 A A A A A A	Frequency	
		PNO: Fast IFGain:Low	#Atten: 40 dB			kr2 25.68		A	
10 dB/div Log	v Ref 30.00	48 dB dBm			1411	-28.86	8 dBm		
20.0								Center Freq	
	1							13.015000000 GHz	
10.0								Start Freq	
0.00								30.00000 MHz	
-10.0							-13.00 dBm	Stop Freq	
-20.0								26.00000000 GHz	
-30.0								CF Step 2.697000000 GHz	
-40.0		hand		and marked and a server	~~~~	m		Auto Man	
~~~	- when							Freq Offset	
-50.0								0 Hz	
-60.0									
Start 30	0 MHz					Stop 26	.00 GHz		
#Res B	W 1.0 MHz	#VE	3W 3.0 MHz*	5	Sweep 64	4.93 ms (1	001 pts)	L	
	(0	hannel Di	مارين ما فاحر الم		-	1	00,00		
	(C	hannel Ban	awiath: 5	IVIHZ)_LCH	_16Q/	AIVI_12	KB#0		





Agilent Spectrum	Analyzer - Swi	pt SA									
Center Free	RE 50.0	🛆 DC		SU	NBE:INT]	Avg Type	: RMS 8/100	06:55:54 Pt TRAC	4 Mar 12, 2018 # 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	
		PN	iO: Wide 🔸 Gain:Low	#Atten: 1	e Run 0 dB	Avg Hold:					
B	ef Offset 8.4 ef 8.44 de						1	Mkr1 9.3	282 kHz 37 dBm	Auto Tune	
10 dB/div	er 8.44 dE	sm						-04.4		i – – – – i	
-1.55										Center Freq 79.500 kHz	
1.50										79.500 KH2	
-11.6										Start Freq	
-21.6										9.000 kHz	
-31.6									-33.00 48m	Stop Freq	
-41.6										160.000 kHz	
-51.6										CF Step	
										14.100 kHz Auto Man	
-61.6	AMOPTONY										
-71.6	MUVMA.	M	<b>A</b>							Freq Offset 0 Hz	
-81.6	איזייין	( Martin	w wh	h ranger	WWW	il aann	NHAMAR M	Manual	hhm	0112	
-01.0						1			1		
Start 9.00 kl	1z							Stop 15	50.00 kHz		
#Res BW 1.0	) kHz		#VBW	/ 3.0 kHz*	•	1		74.0 ms (	1001 pts)		
 MSG							STATUS	DC Cou	pled		
Agilent Spectrum	Analyzer - Swo	opt SA		540	NEEINT		ALIGN AUTO	05:55:04 P	4 Mar 12, 2018		
Center Free	15.0750	00 MHz	IO: Fast	Trig: Fre	e Run	Avg Type Avg[Hold:	: RMS 8/100	TRAC	1 Mar 12, 2018 7 1 2 3 4 5 6 7 M M M M M M M M M M M M M M M M M M M	Frequency	
		IFC	ain:Low	#Atten: 1	6 dB	_					
10 dB/div R	ef Offset 8.4 ef 8.44 de	4 dB 3m						-61.8	150 kHz 68 dBm		
Log										Center Freq	
-1.56	-									15.075000 MHz	
-11.6											
										Start Freq	
-21.6									-23.00 dBm	160.000 kHz	
-31.6										Chan Error	
										Stop Freq 30.000000 MHz	
-41.6											
-51.6										CF Step 2.985000 MHz	
-61.6										Auto Man	
-61.6											
-71.6										Freq Offset	
-81.6	han human and hand		A			MAN		4/1.50176.0%.#J.198			
	"yender	41 ⁰ 004-11.00	- Norian	hin-Unit-Mach	goiston a freeze	an	JUN COMPANY	فوراغيدا وإديابها	141, Carlot 100, 191, 191, 191, 191, 191, 191, 191,		
								Stop 3	0.00 MHz	1	
#Res BW 10	kHz		#VBW	/ 30 kHz*		1		68.3 ms (	1001 pts)		
 MSG							STATUS	- DC C81	iplea		
Agilent Spectrum	Analyzer - Swo	AC		SE	NELINT		ALIGNAUTO	05:55:00 Pf	4 Mar 12, 2018	Erecuence	
Center Free	13.0150	00000 G	Hz 10: Fast 🕶	Trig: Fre #Atten: 4	e Run	Avg Type Avg[Hold:	: RMS 4/100	TRAC	* 1 2 3 4 5 6 * 1 2 3 4 5 6 * MWWWWW	Frequency	
		IFG	ain:Low	#Atten: 4	0 dB				'14 GHz		
10 dB/div R	ef Offset 8.4 ef 30.00 c	iB dB						-29.2	24 dBm		
										Center Freq	
20.0										13.015000000 GHz	
10.0											
ΙĬ										Start Freq 30.000000 MHz	
0.00										30.000000 MHz	
-10.0									-13.00 dBm	Stop Freq	
-20.0										26.000000000 GHz	
-20.0									2		
-30.0	-				-			run_	-	CF Step 2.697000000 GHz	
-40.0	have			L	man	m	$\sim$			Auto Man	
and the second	me		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							Excer Officer	
-50.0	-									Freq Offset 0 Hz	
-60.0											
Start 30 MH	z					1		Stop 2	6.00 GHz	1 1	
#Res BW 1.0	MHz		#VBW	/ 3.0 MHz	*	1	Sweep 6	4.93 ms (	1001 pts)		
MSG							STATUS	1			

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

Agilent Spectrum Analyzer - Swept				
Center Freq 79.500 k	DC SENSEINT	ALIONAUTO 06:56:56 PM Mir 12, 20 Avg Type: RMS TRACE 1 2 3 4 Avg[Hold: 9/100 Type		
	IZ PNO: Wide Trig: Free Run IFGain:Low #Atten: 10 dB	Mkr1 141.117 kł		
10 dB/div Ref 8.44 dBn	dB //	-54.835 dB	4	
			Center Freq	
-1.56			79.500 kHz	
-11.6			Start Freq	
-21.6			9.000 kHz	
-31.6		.22.00	Stop Freq	
-41.6			150.000 kHz	
-51.6		<b>↓ ↓ ↓ ↓ ↓ ↓ ↓</b>	CF Step	
or all man alman in	source life man war man war	annound a stranger and and and	14.100 kHz Auto Man	
-71.6	or to the first state of the second s	1. 1. 11. 1 a hill of the of the of the	Freq Offset	
			0 Hz	
-81.6			1 1	
Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 kHz*	Stop 150.00 ki Sweep 174.0 ms (1001 p		
MSG	#VBVV 5.0 KH2	STATUS 1 DC Coupled		
Aglient Spectrum Analyzer - Swept				
Center Freq 15.07500		ALIONAUTO 06:57:01 PM Mir 12, 20 Avg Type: RMS TRACE 12 2 3 4 Avg[Hold: 8/100 Type DET A A A A	Frequency	
Def off- 10.11	IFGain:Low BAtten: 10 dB	Mkr1 150 kł	z Auto Tune	
10 dB/div Ref 8.44 dBn	n	-56.145 dB	<u>"</u>	
-1.96			Center Freq 15.075000 MHz	
-11.6				
			Start Freq 150.000 kHz	
-21.6		-23.00		
-31.6			Stop Freq 30.000000 MHz	
-41.6			30.00000 MH2	
-51.6 1			CF Step 2.986000 MHz	
-61.5			Auto Man	
-71.6			Freq Offset	
-81.6		الدائمة مرير	0 Hz	
Werner of the strate of the st	prevertiled in the second of the second			
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*	Stop 30.00 Mi Sweep 368.3 ms (1001 p	s)	
MSK3		STATUS 1 DC Coupled		
Agilent Spectrum Analyzer - Swept	AC SUNSEINT	ALIONAUTO 06:57:05 PM Mir 12, 20 Avg Type: RM\$ TRACE 12.2.4 Avg[Hold: 4/100 Type: MWWW	8 Frequency	
Center Freq 13.01500	PNO: Fast +++ IFGain:Low #Atten: 40 dB	Avg Type: RMS TRACE 1234 Avg[Hold: 4/100 TYPE MWWW DET A A A A		
10 dB/div Ref 30.00 dB	dB	Mkr2 25.143 GI -28.759 dB	z Auto Tune	
10 dB/div Ref 30.00 dB			Center Freq	
20.0			13.015000000 GHz	
10.0			Start Freq	
0.00			30.000000 MHz	
-10.0		-13.00	Stop Freq	
-20.0			26.00000000 GHz	
-30.0			.II CF Step	
		annen man man	2.697000000 GHz Auto Man	
-40.0			Freq Offset	
-50.0			0 Hz	
-60.0				
Start 30 MHz		Stop 26.00 G	z	
#Res BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 64.93 ms (1001 p	s)	
	and Development in the		0	
(Cha	innel Bandwidth: 5 MHz	)_MCH_16QAM_1RB#1	2	

Agilent Spectrum Analyzer - Sw			
Center Freq 79.500	PNO: Wide Ing. Free Run	ALIONAUTO 06:57:08 PM Mar 12, 2018 Avg Type: RMS TRACE 1 2 3 4 5 6 Avg[Hold: 8/100 Type: Mwwww	Frequency
		Mkr1 141.117 kHz	
10 dB/div Ref 8.44 di	Bm	-54.931 dBm	
-1.56			Center Freq 79.500 kHz
-11.6			
			Start Freq 9.000 kHz
-21.6			5.000 KH2
-31.6		-32.00.000	Stop Freq 150.000 kHz
-41.6			160.000 kH2
-51.6		<b>↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</b>	CF Step 14.100 kHz
-01.0 Rand March Carl	Anoran and provide the for the advised and the second	have we will a provide the start of the star	Auto Man
-71.6		y	Freq Offset 0 Hz
-81.6			0112
Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 kHz*	Stop 150.00 kHz Sweep 174.0 ms (1001 pts)	
MSG		STATUS ADC Coupled	
Aglient Spectrum Analyzer - Sw All RL 101 50 52	A DC SENSEINT	ALIGNAUTO 05:57:14 PM Mir 12, 2018	Frequency
Center Freq 15.0750	DOO MHz PNO: Fast Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Hold: 8/100 Det A A A A A	
Ref Offset 8.4 10 dB/div Ref 8.44 di		Mkr1 150 kHz -54.420 dBm	
10 dB/div Ref 8.44 dl			Center Freq
-1.56			15.075000 MHz
-11.6			Start Freq
-21.6		-23.00 dBm	150.000 kHz
-31.6			Stop Freq
-41.6			30.000000 MHz
-51.6			CF Step
-			2.985000 MHz Auto Man
-61.6			FreqOffset
-71.6		when	
-31.6 Harthert Anno 100	Margaderes and Meddlese-participation being produced and	here a superior and the second and and and a second and a	
Start 150 kHz		Stop 30.00 MHz	
#Res BW 10 kHz	#VBW 30 kHz*	Sweep 368.3 ms (1001 pts) STATUS A DC Coupled	
Agilent Spectrum Analyzer - Sw	ept SA		
Center Freq 13.0150	AC SENSE:INT D00000 GHz PNO: Fast Trig: Free Run	ALIGNAUTO         00:57:17 PM Mar 12, 2018           Avg Type: RMS         TRACE [1:2:3:4:5:6           Avg[Hold: 4/100         TVRE [MWWWWW           DET/A & A & A         A & A & A	Frequency
Ref Offset 8.4	IFGain:Low #Atten: 40 dB	Mkr2 25.662 GHz	Austa Tuna
10 dB/div Ref 30.00 d	18m	-29.212 dBm	
20.0			Center Freq 13.015000000 GHz
10.0			
			Start Freq 30.000000 MHz
0.00			
-10.0		-13.00 dBm	Stop Freq 26.000000000 GHz
-20.0		2	
-30.0			CF Step 2.697000000 GHz Auto Man
-40.0 mlana			
-50.0			Freq Offset 0 Hz
-60.0			
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MHz*	Stop 26.00 GHz Sweep 64.93 ms (1001 pts)	
MSG		STATUS	
(Cł	nannel Bandwidth: 5 MHz	)_MCH_16QAM_1RB#24	