Band 4 Appendix B Section B.5: Conducted Spurious

Emission

Test Graphs

Channel Bandwidth: 1.4 MHz

						el E	Band	width:	1.4 M	Hz)_L	CH_Q	PSK_1	RB#0	
LXI RI	-	R	nalyzer ⊧ ⊧ 79.50	50 Q 🕂	DC			SENS	E:PULSE	Avg Type Avg Hold	ALIGNAUTO	10:40:32 Al	M Jul 11, 2017 2E 1 2 3 4 5 6 PE MWWWWWW	Frequency
10 dE		Re	of Offset	t 9.22	dB	PNO: \ IFGain	Vide :Low	Trig: Fre #Atten: 1	e Run 0 dB	AvgHoid		™ 1kr1 14.0	640 kHz 97 dBm	Auto Tune
														Center Freq
-0.78														79.500 kHz
-10.8														Start Freq 9.000 kHz
-20.8														9.000 KH2
-30.8														Stop Freq 150.000 kHz
-40.8						-							-43.00 dBm	CF Step
-60.8	•	1												14.100 kHz Auto Man
-60.8 -70.8	~lv[v	WW	MMMM	uraan	pmpha	Appan	4 Arriston	MANNA	www.	n have	how	and have been	WWWW	Freq Offset 0 Hz
-80.8														
	t 9.00 s BW						#VBW	3.0 kHz	x				50.00 kHz 1001 pts) upled	
Agilen	t Spect	rum A R	nalyzer - F 5	50 Ω 🚹	t SA			SENS	E:PULSE		ALIGN AUTO	10:40:40 A	M Jul 11, 2017	_
			15.07		10 MH	Z PNO: IEGain	Fast 🔸	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold	8/100	TRAC TVI DI	ET A A A A A A	Frequency
10 di	Idiu	Re	of Offset	t 9.22		ii ouiii						Mkr1	150 kHz 21 dBm	Auto Tune
10 de Log	siare											1		Center Freq
-0.78														15.075000 MHz
-10.8														Start Freq
-20.8														150.000 kHz
-30.8		_		_		-							-33.00 dBm	Stop Freq 30.000000 MHz
-40.8														
-60.8	1					-								CF Step 2.985000 MHz Auto Man
-60.8	<u> </u>													Freq Offset
-80.8	Ì.,													0 Hz
-				ntwy	-Hunnak-	v Varu	<u>የምምሳ</u> ት የ	have the second	en and the second se	hip-splates	www.www.	a shippen and a ship		
Star #Re:	t 150 s BW	КН2 10 I	kHz				#VBW	30 kHz*				368.3 ms (
	t Spect	rum A	nalyzer -	Swep	t SA						STATU	s 🦺 DC Cou	ipied	
LXI RI	-	R	13.01	50 Q	AC	GHz PNO:	East	SENS	e Run	Avg Type Avg Hold	ALIGNAUTO RMS 5/100	10:40:42 Al TRAC	M Jul 11, 2017 E 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
10 de Log	3/div	Re Re	f Offset	t 9.1 d		IFGain	Low	#Atten: 4	0 dB			kr2 25.6	62 GHz 79 dBm	Auto Tune
20.0														Center Freq 13.015000000 GHz
10.0		1												
0.00														Start Freq 30.000000 MHz
-10.0													12 00 JF	Stor From
-20.0													-13.00 dBm	Stop Freq 26.00000000 GHz
-30.0													2	CF Step
-40.0			a.m.		1	-		- Markan	man	mound	mm	Land and the second	moner	2.597000000 GHz <u>Auto</u> Man
-50.0	~~~~		5											Freq Offset
-60.0														0 Hz
Star #Re	t 30 I s BW	VIHz 1.0	MHz				#VBW	3.0 MHz	*		Sweep 6	Stop 2 64.93 ms (6.00 GHz 1001 pts)	
MSG											STATU	s		

Anilant Security	Analyzas Sum		nner Dal		 IVI	Hz)_MC	n_QF3		10	
Agilent Spectrum VI RL Center Free	RF 50 Ω /			SENS	E:PULSE	Avg Type	ALIGN AUTO	10:44:05 A TRAC	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
	Ref Offset 9.22 Ref 9.22 dB	P	NO: Wide ↔ Gain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold:		/kr1 10.	974 kHz 27 dBm	Auto Tune
Log										Center Freq
-0.78										79.500 kHz
-20.8										Start Freq 9.000 kHz
-30.8										
-40.8									-43.00 dBm	Stop Freq 150.000 kHz
-60.8										CF Step
-60.8										14.100 kHz <u>Auto</u> Man
-70.8	manna	l ለአዋላው ታሳ	A Ary Marty	handfor	Annalist	ally the start and the	A. WW	myrun	WWWWWW	Freq Offset 0 Hz
-80.8							1.0			
Start 9.00 kl #Res BW 1.0	Hz 0 kHz		#VBW	3.0 kHz	•		Sweep 1	Stop 15 174.0 ms (50.00 kHz 1001 pts)	
MSG								s <u>4</u> DC Cou		
Agilent Spectrum VI RL Center Free	RF 50 Ω 🖉	1 DC			E:PULSE	Avg Type Avg Hold:	ALIGN AUTO	10:44:13 A TRA	M Jul 11, 2017 JE 1 2 3 4 5 6	Frequency
e or nor i ro		P	NO: Fast 🔸 Gain:Low	#Atten: 1	e Run 6 dB	Avg Hold:	8/100			Auto Tune
10 dB/div F	Ref Offset 9.22 Ref 9.22 dB	2 dB Smr						-60.0	72 dBm	
+0.78										Center Freq 15.075000 MHz
-10.8										
-20.8										Start Freq 150.000 kHz
-30.8									-33.00 dBm	Stop Freq
-40.8										30.000000 MHz
-60.8										CF Step 2.985000 MHz
-60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8	นุระ ร ถภาพารถู <i>ยงกับ</i> ตรูส	-	yor and any adjust to	a	werthermatility	how have	الماروي والمارية	wayarallahan	****	
Start 150 kH #Res BW 10	iz			30 kHz*				Stop 3 368.3 ms (0.00 MHz	
MSG	7 K112		#VB0	50 KH2				s 🚹 DC Cou		
Agilent Spectrum	RF 50 Ω	AC		SENS	E:PULSE	Aug Trees	ALIGN AUTO	10:44:16 A	M Jul 11, 2017	Frequency
Center Free	q 13.0150	P	iHZ NO:Fast ↔ Gain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Type Avg Hold:			ET A A A A A A A	
10 dB/div F	Ref Offset 9.1 Ref 30.00 d	dB Bm					м	kr2 25.6 -31.8	36 GHz 47 dBm	Auto Tune
20.0										Center Freq
10.0 10.0										
0.00										Start Freq 30.000000 MHz
-10.0									-13.00 dBm	Stop Freq
-20.0										26.00000000 GHz
-30.0									A	CF Step 2.59700000 GHz
-40.0 Alay-ranking and			hand	man	- martin	~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Auto Man
										Freq Offset
-50.0										
-50.0										0112

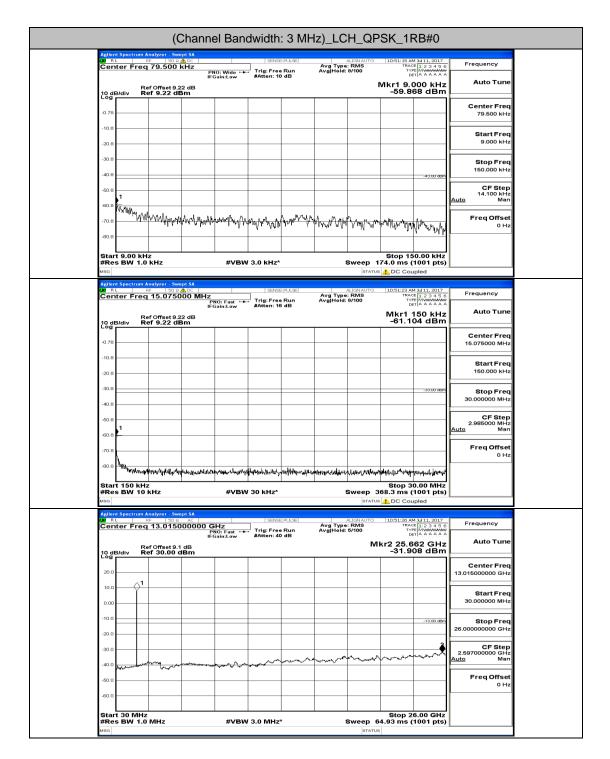
		,	annel Ba	ndwidth	: 1.4 M	Hz)_HCI	1_QPS	K_1RB#	FU	
LXI RL	rum Analyzer - S RF 50	Ω 🕂 DC		SENS	E:PULSE		LIGNAUTO	10:47:37 A	4 Jul 11, 2017	Frequency
	Ref Offset 9 Ref 9.22 (1	PNO: Wide 🕩 FGain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Type Avg Hold:		lkr1 10.4	551 kHz 71 dBm	Auto Tune
10 dB/div	Ref 9.22 (JBM						-00.7		Center Freq
-0.78										79.500 kHz
-10.8		_								Start Freq
-20.8	_	_								9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dt/m	150.000 kHz
-50.8										CF Step 14.100 kHz
-60.8										<u>Auto</u> Man
	munip	when	and many	arr Ayra	populary	Marth Art	mmynn	www.twooda	May Munhy	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW			#VBW	/ 3.0 kHz*	,		Sweep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)	
MSG								DC Cou		1
LXI RL	rum Analyzer - S RF 50	Ω 🛕 DC		SENS	E:PULSE		LIGN AUTO	10:47:46 A	4 Jul 11, 2017	E
Center F	req 15.075		! PNO: Fast ↔► FGain:Low	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100	TRAC TYI Di	4 3.4 11, 2017 E 1 2 3 4 5 6 E Mutuutuu T A A A A A A	Frequency
10 dB/div	Ref Offset 9 Ref 9.22 (.22 dB							150 kHz 86 dBm	Auto Tune
										Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq
-20.8		-								150.000 kHz
-30.8						_			-33.00 dem	Stop Freq
-40.8										30.000000 MHz
-50.8										CF Step 2.985000 MHz
-60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8	within photometry layof			al constants and		al			a ha Ata ha	
Start 150		and the second second	*****	Andred strengt to Pure	ማዝኑውትግትን	a manufu a shanan a	where and		0.00 MHz	
#Res BW			#VBW	/ 30 kHz*		:		68.3 ms (1001 pts)	
Agilent Spect	rum Analyzer - S RF 50	wept SA						200 000	pied	
Center F	RF 50	5000000	GHz		e Run	Avg Type Avg Hold:	RMS	10:47:48 Al TRAC TYI	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
			PNO: Fast ++ FGain:Low	#Atten: 4				⊳ kr2 25.6		Auto Tune
10 dB/div	Ref Offset 9 Ref 30.00	dBm						-32.1	94 dBm	
20.0										Center Freq 13.01500000 GHz
10.0	↓ 1									
0.00										Start Freq 30.000000 MHz
-10.0										
-10.0									-13.00 dBm	Stop Freq 26.00000000 GHz
									2	CF Step
-30.0			_		-	mound	monet	have	m	2.597000000 GHz Auto Man
-40.0 Annormalia	-	and the second s	mar							FreqOffset
-50.0										Freq Offset 0 Hz
-60.0			-							
1 1					1			Stop 2	6.00 GHz	
Start 30 #Res BW	MHz			/ 3.0 MHz				4.93 ms (1001	

		(Char	nnel Bar	ndwidth	: 1.4 MI	Hz)_LCH	_16QA	M_1RB	#0	
Agilent Spectr	um Analyzer - Sw RF 50 G	rept SA		SENS	E:PULSE		LIGNAUTO	10:41:16 AM	4 Jul 11, 2017	_
Center F	eq 79.500	P	NO: Wide 🔶 Gain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TVF DE	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
	Ref Offset 9. Ref 9.22 d		Gain:Low	Protein. 1	U UL			Mkr1 9.7	705 kHz	Auto Tune
10 dB/div	Ref 9.22 d	Bm						-61.1	98 dBm	
+0.78										Center Freq 79.500 kHz
-10.8										
-20.8										Start Freq 9.000 kHz
-30.8										Stop Freq 150.000 kHz
-40.8									-43.00 dbm	
-50.8										CF Step 14.100 kHz
-60.8	Au									<u>Auto</u> Man
-70.8	MAN WWW.	MARA	Approx	1 march	wwww	Mananat	Why I will	1. M. A. coul	A.h	Freq Offset
-80.8				['	1		יישייי	Markhan ar a	VYYMYW	0 Hz
Start 9.00 #Res BW	kHz 1.0 kHz		#VBW	/ 3.0 kHz			Sweep	Stop 15 174.0 ms (0.00 kHz 1001 pts)	
MSG								is 🚹 DC Cou		
Agilent Spectr	um Analyzer - Sw	rept SA		SENS	e puise		ALIGN AUTO	10:41:24 AM	4 111 2017	
	req 15.075	Р	'NO: Fast 🔸	Trig: Fre	e Run	Avg Type Avg Hold:	RMS	TRAC	1 3 11, 2017 E 1 2 3 4 5 6 E Mutuutuu T A A A A A A	Frequency
	Ref Offset 9.		Gain:Low	#Atten: 1	6 98			Mkr1 1	150 kHz	Auto Tune
10 dB/div Log	Ref 9.22 d	Bm	1					-60.7	38 dBm	
-0.78										Center Freq 15.075000 MHz
										13.07 5000 10112
-10.8										Start Freq
-20.8										150.000 kHz
-30.8									-33.00 dBm	Stop Freq
-40.8		_								30.00000 MHz
-50.8										CF Step
-60.8										2.985000 MHz <u>Auto</u> Man
										Freq Offset
-70.8										0 Hz
-80.8 - WW	Harrowwww.	n - Himsenser	and the second	Where we when the	Whathingthe		with the second	mailwayshakakakakakakakakakakakakakakakakakakak	mulhhingur	
Start 150	kHz							Stop 3	0.00 MHz	
#Res BW	10 kHz		#VBN	/ 30 kHz*				368.3 ms (
Agilent Spectr	um Analyzer - Sw	rept SA								
LXI RL	RF 50 G		SHz	SENS	E:PULSE	Avg Type Avg Hold:	RMS	10:41:26 AN TRAC	1 34 11, 2017 E 1 2 3 4 5 6 E MUMUUUU T A A A A A A	Frequency
		P IF	NO: Fast ↔ Gain:Low	#Atten: 4		wvallioig:		lkr2 25.0		Auto Tune
10 dB/div	Ref Offset 9. Ref 30.00	1 dB dBm					IV	-31.6	65 GHZ 62 dBm	
										Center Freq
	1	1	1							13.015000000 GHz
20.0	. 1				1			1		
	21									Start Fred
20.0	>1									Start Freq 30.000000 MHz
20.0	>1								-13.00 cmm	30.000000 MHz
20.0	>1								-13.00 dBm	
20.0 10.0 -10.0 -20.0	>1									30.000000 MHz Stop Freq 26.00000000 GHz
20.0							المراجع		-13.00 dBm	30.000000 MHz Stop Freq 26.00000000 GHz CF Step 2.59700000 GHz
20.0 10.0 -10.0 -20.0						an we have a factor	م			30.000000 MHz Stop Freq 26.00000000 GHz CF Step 2.59700000 GHz <u>Auto</u> Man
20.0 10.0 -10.0 -20.0 -30.0						an and a second and	هر مربع	\		30.000000 MHz Stop Freq 25.00000000 GHz 2.59700000 GHz Auto Man Freq Offset
20.0 10.0 -10.0 -20.0 -40.0 -40.0							هر منهم			30.000000 MHz Stop Freq 26.00000000 GHz CF Step 2.59700000 GHz <u>Auto</u> Man
20.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0							المريم المريم المريم المريم			30.000000 MHz Stop Freq 25.00000000 GHz 2.59700000 GHz Auto Man Freq Offset

		(Cha	nnel Ban	ndwidth:	1.4 MH	lz)_MCF	I_16QA	M_1RB	#0	
LXI RL	m Analyzer - Sw RF 50 G	R 🕰 DC		SENSE	:PULSE		ALIGN AUTO	10:44:50 AM	4 Jul 11, 2017	-
	eq 79.500 Ref Offset 9.	F II 22 dB	PNO: Wide 🗝 FGain:Low	Trig: Free #Atten: 10	Run dB	Avg Type Avg Hold:	8/100	lkr1 10.3	269 kHz	Frequency Auto Tune
10 dB/div Log	Ref 9.22 d	Bm						-60.6	32 dBm	Contra Fran
+0.78										Center Freq 79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-60.8										CF Step 14.100 kHz <u>Auto</u> Man
-60.8 NWWWW	w				1.0					
-70.8	www.www.	ilwh/~V~V~	http://www.	munication	MAA	halwary	the form	MANNAM	M WWW	Freq Offset 0 Hz
-80.8									1 4	
Start 9.00 #Res BW			#VBM	/ 3.0 kHz*		s	Sween 1	Stop 15 74.0 ms (0.00 kHz	
MSG								B 🔔 DC Cou		
LXI RL	m Analyzer - Sw RF 50 S	2 🛆 DC		SENSE	:PULSE	Avg Type	LIGNAUTO	10:44:58 AM	4 Jul 11, 2017	Frequency
Center Fr	eq 15.075		PNO: Fast 🔸	Trig: Free #Atten: 16	Run dB	Avg Hold:	8/100		E 123456 E MWWWWWW T A A A A A A	
10 dB/div	Ref Offset 9. Ref 9.22 d	22 dB Bm						Mkr1 / -60.1	150 kHz 02 dBm	Auto Tune
-0.78										Center Freq
-10.8										15.075000 MHz
										Start Freq 150.000 kHz
-20.8										
-40.8									-33.00 dbm	Stop Freq 30.000000 MHz
-50.8										CF Step
-60.8										2.985000 MHz <u>Auto</u> Man
-70.8										Freq Offset
										0 Hz
	anim and all man	All'Inscriptions	with the second s	an the second states of	ary and an	nullinete#1/1000	Yullworkhaw			
Start 150 #Res BW	10 kHz		#VBW	/ 30 kHz*		1		68.3 ms (
	ım Analyzer - Sw	rept SA					anaro		ipied	
LX/ RL	RF 50 G			SENSE	Run	Avg Type Avg Hold:	LIGNAUTO RMS 5/100	10:45:00 AM TRAC TYF	4 Jul 11, 2017 E 1 2 3 4 5 6 E MMMMMM T A A A A A A	Frequency
	Pof Offect 9		PNO: Fast 🔸 FGain:Low	#Atten: 40	dB			kr2 25.6	62 GHz	Auto Tune
10 dB/div	Ref Offset 9. Ref 30.00	dBm		1		1		-31.6	69 dBm	
20.0										Center Freq 13.015000000 GHz
10.0	>1									Start Freq
0.00										30.000000 MHz
-10.0									-13.00 dBm	Stop Freq
-20.0										26.00000000 GHz
-30.0										CF Step 2.597000000 GHz
-40.0 pmphyrad	-	-	han	m	and a start and a start and a start a s	Mayne my mark	~~~~~	An Man march	~~~~	<u>Auto</u> Man
-50.0										Freq Offset 0 Hz
-60.0										
Start 30 M	Hz							Stop 2	6.00 GHz	
#Res BW				/ 3.0 MHz*					1001 pts)	

-		•	nnei Bar	idwidth:	1.4 MF	Hz)_HC⊦	1_16QA	MM_TRB	#0	
LXI RL	RF 50	Ω 🚹 DC		SENSE	E:PULSE	Avg Type		10:48:23 AM	4 Jul 11, 2017	Frequency
	Ref Offset	ľ	PNO: Wide ↔ FGain:Low	#Atten: 10	Run dB	Avg Type Avg Hold:		1kr1 11.3	897 kHz	Auto Tune
10 dB/div Log	Ref 9.22	dBm						-33.5		Center Freq
-0.78										79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-50.8										CF Step 14.100 kHz
-60.8	.h.									<u>Auto</u> Man
-70.8	"hun warmy	Markman	water the second	and the second	$\gamma_{\rm contraction}$	And my And	MWWWW	Murring	manyly	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW			#\/B\A	/ 3.0 kHz*	1		Sween 1	Stop 15 74.0 ms (0.00 kHz	
MSG	1.0 KH2		#180	7 3.0 KH2				s 🚹 DC Cou		
Agilent Spect	um Analyzer - S	wept SA		SENSE	EPULSE		ALIGN AUTO	10:48:31 AM	1 Jul 11, 2017	
Center F	req 15.07		PNO: Fast 🔸 FGain:Low	Trig: Free #Atten: 16	Run	Avg Type Avg Hold:	RMS	TRAC TYF DE	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
	Ref Offset: Ref 9.22	9.22 dB	Gam.Low					Mkr1	150 kHz 98 dBm	Auto Tune
10 dB/div	Rei 9.22									Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq
-20.8			_							150.000 kHz
-30.8									-33.00 dBm	Stop Freq
-40.8										30.00000 MHz
-60.8										CF Step 2.985000 MHz
-60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8 Wa	1									0 112
Start 150	harvalen viden av her	(Hally) of the party of the par	Mr. Andrew Margaret	11×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1	444444444	n all an all an	wrufejel.Hewe.w			
#Res BW			#VBN	/ 30 kHz*		:		368.3 ms (
	um Analyzer - S	went SA					STATU	s 🦺 DC Cou	pied	
Center F	RF 50	5000000	GHz		E:PULSE	Avg Type	RMS	10:48:34 AM TRAC	E 1 2 3 4 5 6 MWWWWWW T A A A A A A	Frequency
		"	PNO: Fast 🔸 FGain:Low	#Atten: 40	D dB	Avg Hold:		kr2 25.6		Auto Tune
10 dB/div	Ref Offset: Ref 30.00	9.1 dB 0 dBm						-31.9	76 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	CF Step
-30.0					han	- manon part	Anna	mann	mint	2.597000000 GHz Auto Man
-40.0 Korolan	and the second	- Andrew Contraction	-	han	- we had					
-50.0										Freq Offset 0 Hz
-60.0			+			-				
	a							Stop 2	6.00 GHz	
Start 30 I #Res BW	/ITZ			/ 3.0 MHz				64.93 ms (1

Channel Bandwidth: 3 MHz



		Channe	I Band	width	: 3 MH	z)_MC	H_QF	PSK_1	RB#0	
Agilent Spectrum (X) RL Center Free	RF 50 Ω	A DC		SENS	E:PULSE	Avg Type		10:54:54 Al	4 Jul 11, 2017	Frequency
F	Ref Offset 9.2	PNI IFG 22 dB	0: Wide ↔ ain:Low	Trig: Free #Atten: 10	e Run 0 dB	Avg Hold:	8/100	1kr1 13.0	553 kHz	Auto Tune
10 dB/div F	Ref 9.22 di	Bm			[-00.1		Center Freg
-0.78										79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dgm	150.000 kHz
-50.8										CF Step
-60.8 1										14.100 kHz <u>Auto</u> Man
1.098	Managen	ๆ๛๛๛๛	www.www	www.phi	www.wh	en franker fra	non Mult	quilingentrain	N. M. M. M. M.	Freq Offset 0 Hz
-80.8									. 19.0	
Start 9.00 kl	Hz							Stop 15	0.00 kHz	
#Res BW 1.	0 KHZ		#VBW 3	3.0 kHz*		5		74.0 ms (
Agilent Spectrum	Analyzer - Sw	ept SA								
Center Fre	q 15.0750	DOO MHz	0: Fast ↔	Trig: Free	e:PULSE	Avg Type Avg Hold:	RMS 8/100	10:55:02 Al TRAC TVI	E 1 2 3 4 5 6 MMMMMM A A A A A A	Frequency
	af Offeat 9	IFG	ain:Low	#Atten: 10	6 dB			Mkr1	150 kHz	Auto Tune
10 dB/div F	Ref Offset 9.2 Ref 9.22 di	Bm			1			-60.3	41 dBm	
-0.78										Center Freq 15.075000 MHz
-10.8										
-20.8										Start Freq 150.000 kHz
-30.8										
-40.8									-33.00 dBm	Stop Freq 30.000000 MHz
										CF Step
-50.8										2.985000 MHz Auto Man
+60.8										Freq Offset
-70.8										0 Hz
-80.8	40,000,000,000,000	williamments	****	y felgar fills for the	hupo, and day	manya	rhuberne have	+urray to +re	Honderpersonales	
Start 150 kH #Res BW 10	1z		#VBW 3						0.00 MHz	
маа	, KUZ		#0800	JU KIIZ				DC Cou		
Agilent Spectrum	RF 50 Ω	AC		SENS	E:PULSE		LIGNAUTO	10:55:04 AI	4 Jul 11, 2017	
Center Fre	q 13.0150	000000 GI	O East -	Trig: Free #Atten: 40	e Run	Avg Type Avg Hold:	RMS 5/100	TRAC TVI DI	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 JD/ 7	Ref Offset 9.	1 dB					м	kr2 25.6		Auto Tune
10 dB/div F	Ref 30.00	uem						-31.7		Center Freq
20.0										13.015000000 GHz
10.0										Start Freq
0.00										30.000000 MHz
-10.0	_								-13.00 dBm	Stop Freq
-20.0										26.000000000 GHz
-30.0									â	CF Step
-40.0	many .	martha har		~~~	and the second	\sim	Andrean	han	mmm	2.597000000 GHz <u>Auto</u> Man
A CONTRACTOR	- have		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							Freq Offset
-50.0										0 Hz
		1						+		
-60.0										
-60.0 Start 30 MH #Res BW 1.4	z 0 MH7		#VBW 3	3.0 MH-	*		ween 6	Stop 2 i4.93 ms (6.00 GHz 1001 pts)	

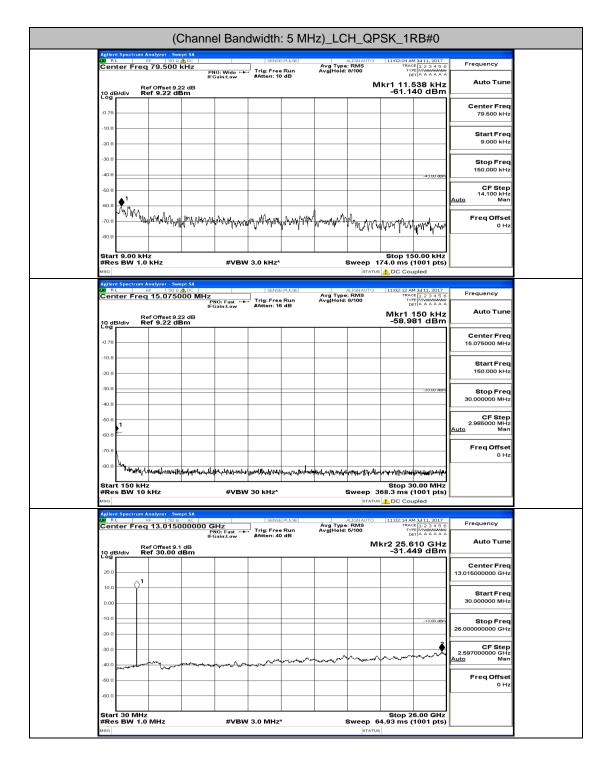
				el Bano	dwidth	: 3 MH	lz)_HC	H_QF	PSK_1	RB#0	
LX/ RL			Rept SA			E:PULSE	Avg Type	LIGN AUTO	10:58:26 AM	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
	в	tef Offset 9. tef 9.22 d	1 122 dB	PNO: Wide 🚥 FGain:Low	#Atten: 10	e Run 0 dB	Avg Hold:	8/100	1kr1 11.8	820 kHz	Auto Tune
		01 0.22 0									Center Freq
-0.78											79.500 kHz
-10.8											Start Freq
-20.8											9.000 kHz
-30.8 -											Stop Freq 150.000 kHz
-40.8										-43.00 dbm	
-60.8	● ¹			_							CF Step 14.100 kHz Auto Man
-60.8 V	Avilm.	Alta at	A. A. A.		• ^ 1	Nu bilm	h				
-70.8		THOUGH Y	Many	n www.	WWW HIN MUNIC	A WAR WY	WWWWW W	wy what	ALANNA Y	MMWWW	Freq Offset 0 Hz
-80.8											
Start #Res	9.00 kH BW 1.0	lz) kHz		#VBW	/ 3.0 kHz*			Sweep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)	
MSG									B 🚹 DC Cou		1
LXI RL		Analyzer - Sw RF 50 S	2 \Lambda DC		SENSE	E:PULSE	Aug Type		10:58:34 AM	4 Jul 11, 2017	Frequency
Cent	er Fred	q 15.075		PNO: Fast 🔸 FGain:Low	#Atten: 16		Avg Type Avg Hold:	8/100		E 1 2 3 4 5 6 E M 4 4 4 4 4 4 T A A A A A A A	
10 dB/	/div R	tef Offset 9. tef 9.22 d	22 dB Bm						Mkr1 - -59.5	150 kHz 45 dBm	Auto Tune
											Center Freq
-0.78											15.075000 MHz
-10.8											Start Freq 150.000 kHz
-20.8											130.000 KH2
-30.8										-33.00 dem	Stop Freq 30.000000 MHz
-40.8											CE Stap
-50.8	1										CF Step 2.985000 MHz <u>Auto</u> Man
-60.8 [⊆]											Freq Offset
-70.8	l.										0 Hz
-80.8	^{ner} itekseletekselete	weekly many work	and the second	เข้ามูโกลุมุโกรงมูโกโมกร่	el-seconditionships	a _{la} ndrydd yn defennau'r arfennau	ala Malaga Ayurt	k∕44knµulli	alour approximate	VATE WERK	
Start #Res	150 kH BW 10	z kHz		#VBW	/ 30 kHz*			Sweep 3	Stop 3 68.3 ms (0.00 MHz 1001 pts)	
MSG								STATUS	B 🚹 DC Cou	pled	
LXI RL		Analyzer - Sw RF 50 g 13.015		GHz	7	E:PULSE	Avg Type Avg Hold:	LIGN AUTO	10:58:37 AM	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
				PNO: Fast FGain:Low	#Atten: 40	e Run 0 dB	Avg Hold:				Auto Tune
10 dB/	/div R	ef Offset 9. tef 30.00	1 dB dBm					IVI	kr2 25.1 -32.1	36 dBm	
20.0											Center Freq 13.015000000 GHz
10.0											10.01000000000
0.00	-										Start Freq 30.000000 MHz
-10.0										-13.00 dBm	
-20.0										-13.00 dBm	Stop Freq 26.00000000 GHz
-30.0										♦ ²	CF Step
-40.0		a man	and a second second		man	and the second second	man	And the second	-	m m	2.597000000 GHz <u>Auto</u> Man
-50.0	and the second sec	Inner									Freq Offset
-55.0											0 Hz
					1	1					
-60.0											
Start	30 MHz BW 1.0	z D MHz		#VBW	/ 3.0 MHz	*	•	Sweep 6	Stop 2 34.93 ms (6.00 GHz 1001 pts)	

Agilos	t Specter	un A		bann	el Banc	iwidth:	3 MH	Z)_LCI	J_10G	AM_1	RB#0	
(X/ R	L	BI	F 50 Ω 79.500	ADC			E:PULSE	Avg Type	ALIGN AUTO	10:52:01 AM	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
10 di Log		Re	f Offset 9.2 ef 9.22 di	22 dB	PNO: Wide 🔸 IFGain:Low	#Atten: 1	e Run 0 dB	Avg Hold:		lkr1 12. ⁻	102 kHz 32 dBm	Auto Tune
												Center Freq
-0.78												79.500 kHz
-10.8												Start Freq
-20.8												9.000 kHz
-30.8		_										Stop Freq
-40.8		_		-							-43.00 dgm	150.000 kHz
-60.8	▲ 1	_										CF Step 14.100 kHz
-60.8	John .	h. a										<u>Auto</u> Man
-70.8	· · · · · · · · · · · · · · · · · · ·	rνγ	MWN WORK	hYWher	Ward Drawy Manufrond	and the second	www.wa	Mr. Aller Marke	MWWW	ruhan	aprively wh	Freq Offset 0 Hz
00.0												
Star #Re	t9.00 sBW	kH2 1.0	z kHz		#VBW	/ 3.0 kHz*	,		Sweep 1	Stop 15 74.0 ms (0.00 kHz 1001 pts)	
MSG									STATUS	DC Cou	pled	U
LXI R	L	RJ	nalyzer · Sw F 50 Ω 15.0750	A DC	_	SENS	E:PULSE	Aug Tupo	ALIGN AUTO	10:52:09 AM	4 34 11, 2017	Frequency
Cer	iter Fr	eq	15.0750		∠ PNO: Fast ↔ IFGain:Low	#Atten: 1		Avg Type Avg Hold:	8/100		E 1 2 3 4 5 6 E MWWWWWW T A A A A A A A	
10 di Log	B/div	Re Re	f Offset 9.3 f 9.22 di	22 dB Bm						Mkr1 ⁻ -58.7	150 kHz 75 dBm	Auto Tune
												Center Freq
-0.78												15.075000 MHz
-10.8												Start Freq
-20.8												150.000 kHz
-30.8		-									-33.00 dem	Stop Freq 30.000000 MHz
-40.8		_										
-60.8	1	-										CF Step 2.985000 MHz <u>Auto</u> Man
+60.8	<u> </u>	-										
-70.8	ς	_										Freq Offset 0 Hz
-80.8	White	harb	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	n land with the state	entreformations of	http://www.co	l normality where	-	wante	A Hope of A topological	LARGENAUTOR	
Star	t 150 I	kHz								Stop 3	0.00 MHz	
MSG	s BW '	10 6	(HZ		#VBW	/ 30 kHz*				68.3 ms (
Agiler		um Au Ri	nalyzer - Sw	ept SA		SENS	E:PULSE		ALIGN AUTO	10:52:11 AM	43411 2017	
		eq	13.0150	000000	GHz PNO: Fast		e Run	Avg Type Avg Hold:	: RMS 5/100	TRAC TYP DE	E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
		Re	f Offset 9.	1 dB	Ir Gam. Low				м	kr2 25.7		Auto Tune
10 d Log	Braiv	Re	f 30.00	dBm						-02.1		Center Freq
20.0		_										13.015000000 GHz
10.0	~	>1										Start Freq
0.00												30.000000 MHz
-10.0											-13.00 dBm	Stop Freq
-20.0												26.00000000 GHz
-30.0						وسوريس .	and the	man	~~~~~~	have	~~	CF Step 2.597000000 GHz Auto Man
-40.0	manu		and the second	Marriel Company		-						FreqOffset
-50.0												0 Hz
■ -60.0												
											6.00 GHz	

				el Band	width:	3 MH	lz)_MCl	H_16	QAM_1	RB#0	
LXI RL	B	nalyzer - Sw ⊱ 50 Ω 79.500	<u>∧</u> ⊐⊂ kHz		1	E:PULSE	Avg Type		10:55:39 A TRA	M Jul 11, 2017 JE 1 2 3 4 5 6	Frequency
	Re	of Offset 9.2	i.	PNO: Wide FGain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold:	8/100	Mkr1 9.	564 kHz 06 dBm	Auto Tune
10 dB/di	<u>, </u>	51 5.22 G									Center Freq
-0.78											79.500 kHz
-10.8											Start Freq
-20.8											9.000 kHz
-30.8											Stop Freq
-40.8										-43.00 dbm	150.000 kHz
-60.8											CF Step 14.100 kHz <u>Auto</u> Man
-60.8	1										
-70.8	a yaya yang	muyhanhaah	Managara	appendition and	hally	ANN WAY	MA MANA	NY	WWW WIGH	Mary an	Freq Offset 0 Hz
-80.8							•		1 ' T	, _W	
Start 9.	00 KH	z							Stop 1	50.00 kHz	
#Res B	W 1.0	KHZ		#VBW	3.0 kHz	v	1		174.0 ms (JS 1. DC Co		
Agilent Spi	ectrum A	nalyzer - Sw	ept SA		CENIC	E-011 CE		U IGN ALITO	10:55:47 A	M 5411 2017	
Center	Freq	15.0750		DNO: Eact -	. Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	RMS 8/100	TRAJ TY D	ET A A A A A A	Frequency
	Re	f Offset 9.2 of 9.22 di		FGain:Low	Protein. 1	o ub			Mkr1	150 kHz 91 dBm	Auto Tune
10 dB/di Log	v Re	er 9.22 di	3m						-38.2	ar abiii	Center Freq
-0.78											15.075000 MHz
-10.8											Start Freq
-20.8							_				150.000 kHz
-30.8										-33.00 dem	Stop Freq
-40.8											30.000000 MHz
-60.8											CF Step 2.985000 MHz
-60.8											<u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	distativativa	Mar Museum	A Distantian	معامد سيغلمة متعقباته المت	a hatta kan na a	المراجعة المراجع	ning and a start and a start and a start and a start a	المعادية والمعالية	يار ويوريان أأوادها الم	a desce ber an at	
Start 1	50 kHz	:	and the second sec		- 1 - - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	an ind- think as	and an Art. Ma	P. P. M. M. M.		0.00 MHz	
#Res B	W 10 I	kHz		#VBW	30 kHz*				368.3 ms (
Agilent Spi	ctrum A	nalyzer - Sw	ept SA		Loren						r.
Center	Freq	13.0150		PNO: Fast 🗝	Trig: Fre #Atten: 4	e Run	Avg Type Avg Hold:	RMS 5/100	TRA	M 3ul 11, 2017 DE 1 2 3 4 5 6 PE M 4 4 4 4 4 4	Frequency
	Re	f Offset 9.1	l dB	Gain:Low	WALLEN. 4	0 45		N	1kr2 25.7		Auto Tune
10 dB/di	v Re	ef 30.00 (лөт 						-01.0		Center Freq
20.0											13.015000000 GHz
10.0	\rightarrow^1										Start Freq
0.00											30.000000 MHz
-10.0	-									-13.00 dBm	Stop Freq
-20.0											26.00000000 GHz
-30.0							-		A		CF Step 2.597000000 GHz
-40.0	-	way way	*****	-	men ~~~		Anna	، مرجع ریمان السان المرجع ا المرجع المرجع المرجع المرجع المرجع ا	www.	~~~~	<u>Auto</u> Man
-50.0											Freq Offset 0 Hz
-60.0											
1 1											
Start 3									Stop 2 64.93 ms (6.00 GH7	

	(Cha	annel Bar	ndwidth: 3	BMHz)_H	CH_16	QAM_1	RB#0	
Agilent Spectrum /	RF 50 Ω 🔥 E	DC	SENSE:P	JLSE	ALIGN AUTO	10:59:11 A	M Jul 11, 2017	Frequency
Center Freq	79.500 kH	1Z PNO: Wide IFGain:Low	Trig: Free R #Atten: 10 d	Avg T tun Avg H B	ype: RMS old: 8/100	TRAJ TV D	ET A A A A A A	Frequency
10 dB/div Ro	ef Offset 9.22 d ef 9.22 dBm	dB	Pricent to a	5		Mkr1 9.		Auto Tune
-0.78								Center Freq
								79.500 kHz
-10.8								Start Freq
-20.8						-		9.000 kHz
-30.8								Stop Freq
-40.8							-43.00 dbm	150.000 kHz
-50.8								CF Step 14.100 kHz
-60.8 A.A.I.I						_		<u>Auto</u> Man
-70.8	AND MANAN	han manyang ang ang ang ang ang ang ang ang ang	www.www.www.	MANNARY	MMM	Manna	MANUM	Freq Offset 0 Hz
-80.8								
Start 9.00 kH #Res BW 1.0	lz		3W 3.0 kHz*		Guiaan	Stop 14 174.0 ms (50.00 kHz	
MSG	KIIZ	#VE	5W 3.0 KHZ"			US 174.0 ms		
Agilent Spectrum A	Analyzer - Swept	SA	CENCE-DI	1.00	ALIGN ALITO	10:59:19 A	M 3 4 11 2017	
Center Freq	15.075000	0 MHz PNO: Fast IFGain:Low	Trig: Free R	Avg un Avg H	ype: RMS old: 8/100	TRAV	ET A A A A A A	Frequency
R	ef Offset 9.22 (#Atten: 16 d	в		Mkr1	150 kHz	Auto Tune
10 dB/div R	ef Offset 9.22 d ef 9.22 dBm	n				-59.3	09 dBm	
-0.78								Center Freq 15.075000 MHz
-10.8					_			
-20.8								Start Freq 150.000 kHz
-30.8							-33.00 dBm	01 F
-40.8								Stop Freq 30.000000 MHz
-60.8								CF Step
-60.8								2.985000 MHz <u>Auto</u> Man
								Freq Offset
-70.8								0 Hz
-80.8	unnerwaterend	hiper-andresenation-party	any mining many many	*************	hallen www.	who with a manufactor of	and the second	
Start 150 kH: #Res BW 10	z		30 kHz*				0.00 MHz	
MSG						us 🔥 DC Co		1
Agilent Spectrum A	RF 50 Ω /	AC	SENSE:P	JLSE	ALIGN AUTO	10:59:21 A	M Jul 11, 2017	-
Center Freq	13.015000	PNO: Fast IFGain:Low	Trig: Free R #Atten: 40 d	un Avg H	ype: RMS old: 5/100	TRA	ET A A A A A A	Frequency
R	ef Offset 9.1 di	в			N	/kr2 25.6	36 GHz 91 dBm	Auto Tune
10 dB/div R	ef 30.00 dB	m				-51.4		Contor From
20.0								Center Freq 13.015000000 GHz
10.0	+							Start Freq
0.00			_					30.000000 MHz
-10.0	────		_		_		-13.00 dBm	Stop Freq
-20.0								26.00000000 GHz
-30.0					_	_	â	CF Step 2.597000000 GHz
	man man	-	man	and a starter	m	man	mart	2.597000000 GHz <u>Auto</u> Man
-40.0	(mar and a second	C						Freq Offset
-40.0 payments								0 Hz
-50.0								L
~~~~								
-50.0		#\/F	3.0 MHz*		Sween	Stop 2 64.93 ms (	6.00 GHz	

#### **Channel Bandwidth: 5 MHz**



	(	Chann	el Bano	dwidth	: 5 MH	lz)_MC	H_QF	PSK_1	RB#0	
Agilent Spectru	RE 50:	Ω A DC		SENS	E:PULSE		ALIGN AUTO	11:05:41 A	M Jul 11, 2017	-
Center Fr	∌q 79.500		PNO: Wide 🕶 FGain:Low	Trig: Fre #Atten: 1	e Run	Avg Type Avg Hold:	: RMS 8/100	TRAC TVI D	ET A A A A A A	Frequency
10 dB/div	Ref Offset 9 Ref 9.22 d		FGain:Low	#Atten: 1	0 48		N	1kr1 10.4	410 kHz 02 dBm	Auto Tune
_										Center Freq
-0.78										79.500 kHz
-10.8		_								Start Freq
-20.8	-									9.000 kHz
-30.8	_									Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-60.8										CF Step
● ¹										14.100 kHz <u>Auto</u> Man
NWWW	www.ywwmp.og	Marthan 1			م . ا ما بام	M. N.	A			Freq Offset
-70.8		Andrew All	mart wantant	May Many	MANN A L	have	" Yuwaraya	f"Wyw ^{ww} wVy	MY MUM	0 Hz
-80.8										
Start 9.00	kHz					1		Stop 15	50.00 kHz	
#Res BW 1	.0 kHz		#VBN	/ 3.0 kHz	•			74.0 ms (	1001 pts)	
Agilent Spectru	m Analyzer - S	wept SA						200 000	spied	
Center Fr	RF 50	Ω <u>Λ</u> □⊂ 5000 MHz	:	SENS	E:PULSE	Avg Type Avg Hold:	ALIGN AUTO	11:05:49 A	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
		ı	PNO: Fast ↔ FGain:Low	#Atten: 1	e Run 6 dB	Avg Hold:	8/100		ET A A A A A A	Auto Tune
10 dB/div	Ref Offset 9 Ref 9.22 c	9.22 dB d <b>Bm</b>						-61.3	150 kHz 02 dBm	Auto Tune
										Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq
-20.8										150.000 kHz
-30.8									-33.00 dBm	Stop Freq
-40.8										30.000000 MHz
-50.8										CF Step
1										2.985000 MHz Auto Man
+60.8										
-70.8										Freq Offset 0 Hz
-80.8	<b>เป็นเ</b> สียงเมืองเสียงและกูป	hinistenii - Autori	ter heter in Athenheads.		مدهميمها		A scale _ 11. UNA 1	Lasti, aller latera	المرود والمالية	
Start 150 k						el contre desert a	101-001		0.00 MHz	
#Res BW 1	0 kHz		#VBN	/ 30 kHz*		:		68.3 ms (	1001 pts)	
Agilent Spectru	m Analuma S						SIAIDS	- DC C8	ipied	
Center Fr	RF 50	Ω AC	GHz	SENS	E:PULSE	Avg Type	ALIGN AUTO	11:05:52 A	M Jul 11, 2017 E 1 2 3 4 5 6 PE M WWWWWW	Frequency
		1	PNO: Fast ↔ FGain:Low	#Atten: 4	e Run 0 dB	Avg Hold:		D	ETAAAAAA	Auto Tune
10 dB/div	Ref Offset 9 Ref 30.00	0.1 dB dBm					м	4r2 25.6 -31.9	88 GHz 17 dBm	Auto Tulle
										Center Freq
20.0	1									13.015000000 GHz
10.0										Start Freq
0.00										30.000000 MHz
-10.0									12.00 -89-	Oton From
									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0									2	CEStan
-30.0	-					And and	Mr. mar	have	mant	CF Step 2.597000000 GHz <u>Auto</u> Man
-40.0 monor	mak way	-	and the second second	from	a manager and a second	- many -	· · · · · · · · · · · · · · · · · · ·			
-50.0	_	_								Freq Offset 0 Hz
										5 Hz
-60.0										
-60.0 Start 30 M #Res BW 1			#VBW	/ 3.0 MHz	<u>.</u> *		Sweep 6	Stop 2 4.93 ms (	6.00 GHz 1001 pts)	

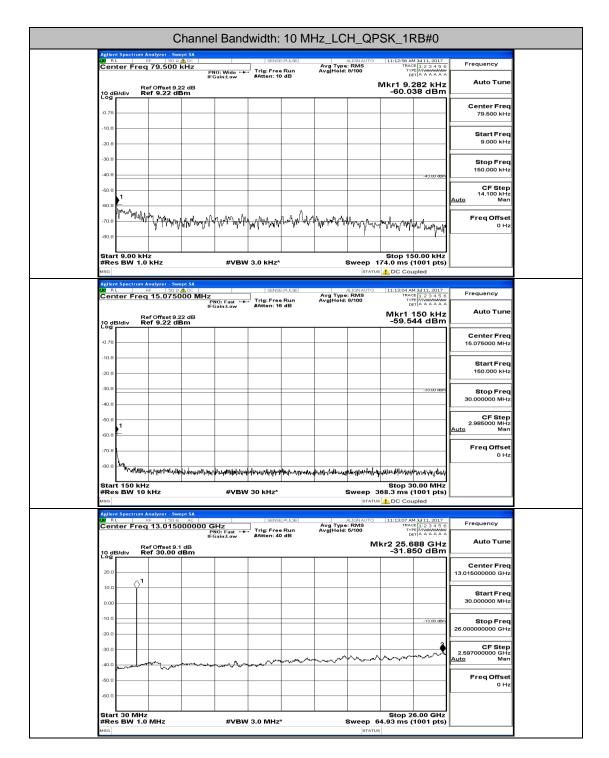
				el Bano	awidth	: 5 MF	iz)_HC	H_QI	PSK_1	KB#U	
Agilent Spect VI RL Center F	RE	50 Ω	1 DC		1	E:PULSE	Avg Type Avg Hold:		11:09:18 A	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
		offset 9.2 9.22 dE	р IF	NO: Wide 🔸 Gain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold:	8/100	Mkr1 9.3	705 kHz 72 dBm	Auto Tune
10 dB/div		onee de									Center Freq
-0.78											79.500 kHz
-10.8											Start Freq
-20.8									-		9.000 kHz
-30.8											Stop Freq
-40.8	_									-43.00 dbm	150.000 kHz
-50.8											CF Step 14.100 kHz
-60.8			-								<u>Auto</u> Man
-70.8	windupa	provingo.	allen og ha	hurmhuman	ant March	prophylic	htto-www.	a-hana-h	,	WHAN MAN	Freq Offset 0 Hz
-80.8											
Start 9.00 #Res BW	) kHz 1.0 kH	١z		#VBW	3.0 kHz*	, v		Sweep	Stop 15 174.0 ms (	0.00 kHz 1001 pts)	
MSG		-							JS 🚹 DC Cou		
Agilent Spect	RF	50 Ω	1 DC		SENS	E:PULSE		LIGN AUTO	11:09:26 A	4 Jul 11, 2017	_
Center F	req 1	5.0750		NO: Fast 🔸	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100	TRAC TVI DI	E 123456 MWWWWWW T A A A A A A	Frequency
	Ref O	offset 9.2 9.22 dE							Mkr1	150 kHz 76 dBm	Auto Tune
10 dB/div	Reis	9.22 ae	sm								Center Freq
-0.78											15.075000 MHz
-10.8											Start Freq
-20.8											150.000 kHz
-30.8										-33.00 dem	Stop Freq
-40.8											30.000000 MHz
-50.8											CF Step 2.985000 MHz
-60.8											<u>Auto</u> Man
-70.8											Freq Offset
-80.8											0 Hz
		MahnManan	hin-thattan the	alor and sold a she had	lefonten en telles	አስገነት ትቅሥትእት ለ	pelectantes transfe	warthearth	nthemanyullur		
Start 150 #Res BW	KHZ 10 KH	z		#VBW	30 kHz*		4		368.3 ms (		
MSG			nt 54					STATL	JS 🚹 DC Col	ipled	
Center F	RF	50 £	00000 0	GHz	SENS	E:PULSE	Avg Type		TRAC	M Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW	Frequency
			IF	NO: Fast Gain:Low	Trig: Fre #Atten: 4	0 dB	Avg Hold:		1kr2 25.6		Auto Tune
10 dB/div	Ref 0 Ref 3	offset 9.1 30.00 d	dB Bm						-31.5	25 dBm	1
20.0											Center Freq 13.015000000 GHz
10.0	⊘¹										13.01000000 GH2
											Start Freq 30.000000 MHz
0.00											
-10.0										-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0										2	
-30.0					1.04		man no	~~~	han	mark	CF Step 2.597000000 GHz Auto Man
-40.0 Mayana	al and and	Mar and	han an the second s	- marker	man		-w-w-w-v		-		
-50.0											Freq Offset 0 Hz
-60.0											
Start 30 I #Res BW					3.0 MHz				Stop 2 64.93 ms (	6.00 GHz	

	(0	Channe	el Band	lwidth:	5 MH	z)_LCł	H_160	QAM_1	RB#0	
LXI RL	RF 50 S	2 \Lambda DC		SENS	E:PULSE		LIGN AUTO	11:02:48 AM	4 Jul 11, 2017	Frequency
	Ref Offset 9	P	NO: Wide 🔸 Gain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Type Avg Hold:		Mkr1 9.0		Auto Tune
10 dB/div	Ref 9.22 d	Bm						-58.6	47 dBm	
-0.78										Center Freq 79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 atsm	150.000 kHz
-50.8										CF Step 14.100 kHz Auto Man
·60.8	An marine	ດ້ອງດີແຕ່ໄດ້ແຫຼ								
-70.8	An ynwnys	Ad Mar O'Lan M	Yung Yung A	www.hmaniel	Y WWWWW	hand yay	WW ANN	myywww	WY MAN	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW	kHz 1.0 kHz		#VBW	3.0 kHz	v		Sweep 1	Stop 15	0.00 kHz 1001 pts)	
MSG								s 🚹 DC Cou		
LXI RL	RF 50 ST RF 50 ST ST 15.075	2 \Lambda DC		SENS	E:PULSE			11:02:56 AM	4 Jul 11, 2017	Frequency
Center F	eq 15.075	F IF	PNO: Fast 🔸 Gain:Low	#Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100		E 123456 MMMMMM T A A A A A A	Auto Tune
10 dB/div	Ref Offset 9. Ref 9.22 d	22 dB Bm						Mkr1 / -58.4	150 kHz 07 dBm	Auto Tune
-0.78										Center Freq 15.075000 MHz
-10.8										15.075000 MH2
-20.8										Start Freq 150.000 kHz
-30.8									-33.00 dem	Oton From
-40.8									-55 00 001	Stop Freq 30.000000 MHz
-50.8										CF Step
-60.8 ↓										2.985000 MHz <u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8					4					0 Hz
Start 150	Martin Martin Martin Martin K H Z	*****	and the second states of the s	hayddyr ynys yn	and supravision of the second	******	L/41.44/19/19/74		արապարտ 0.00 MHz	
#Res BW	10 kHz		#VBW	30 kHz*		1		368.3 ms (	1001 pts)	
Agilent Spectr	ım Analyzer - Sw	rept SA			E. D. I. CE.					r.
Center F	eq 13.015	P	SHz NO: Fast	Trig: Fre #Atten: 4	e Run	Avg Type Avg Hold:	RMS 5/100	TRAC	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10.151.1	Ref Offset 9. Ref 30.00	1 dB	Gam.cow				м	kr2 25.6		Auto Tune
10 dB/div	Rei 30.00									Center Freq
20.0										13.015000000 GHz
	>1									Start Freq
0.00										30.000000 MHz
-10.0									-13.00 dBm	<b>Stop Freq</b> 26.00000000 GHz
-20.0									2	
-30.0					- second	mont	Maran	h	mrn	<b>CF Step</b> 2.597000000 GHz <u>Auto</u> Man
-40.0 Jung/Parvine	man		-	-						Freq Offset
-50.0										0 Hz
-60.0										
Start 30 M #Res BW			#VBW	3.0 MHz	*		Sweep 6	Stop 2 64.93 ms (	6.00 GHz 1001 pts)	
MSG							STATU		. ,	

			el Band	lwidth:	5 MH:	z)_MC	H_160	QAM_1	RB#0	
Agilent Spectr	RF 5	50 Q \Lambda DC		SENS	E:PULSE	Aug Type	ALIGN AUTO	11:06:26 A	M Jul 11, 2017	Frequency
	Ref Offset	9.22 dB	PNO: Wide 🕶 IFGain:Low	, Trig: Fre #Atten: 1	e Run 0 dB	Avg Type Avg Hold:		1kr1 11.	961 kHz 07 dBm	Auto Tune
10 dB/div Log	Ref 9.22	ubm								Center Freq
-0.78										79.500 kHz
-10.8			_							Start Freq
-20.8			_							9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-50.8			_							CF Step 14.100 kHz
-60.8										Auto Man
-70.8	Wilney Mary	man de Mante	ha water	WWWWW	www.papage	hadywydywy	Walnson	mm how with	WW WW	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW	kHz		#\/B\/	/ 3.0 kHz	, ,		Sween 4	Stop 10	50.00 kHz 1001 pts)	
MSG	1.0 KHZ		#080	9 J.0 KH2	-			s 👍 DC Cou		
Agilent Spectr	um Analyzer -	Swept SA		SENS	E:PULSE		ALIGN AUTO	11:06:34 A	M Jul 11, 2017	
Center F	req 15.07	5000 MH	Z PNO: Fast ↔ IFGain:Low	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TY	ET A A A A A A	Frequency
	Ref Offset Ref 9.22		IFGain:Low	Pricen. 1	o ub			Mkr1	150 kHz 91 dBm	Auto Tune
10 dB/div	Ref 9.22	dBm						-57.2		Conton From
-0.78			_							Center Freq 15.075000 MHz
-10.8										Start Freq
-20.8			_							150.000 kHz
-30.8									-337.00 dem	Stop Freq
-40.8										30.000000 MHz
-50.8 - 1										CF Step 2.985000 MHz
-60.8										Auto Man
-70.8										Freq Offset
Α.										0 Hz
· · · ·	Mile Marine 1940	webselapper flow the two	r fille at the galling of the second	lethype-dogram	not any man	eleweertrenne	arawa/w/4fb	newanie-Alasta	www.www.	
Start 150 #Res BW	kHz 10 kHz		#VBV	/ 30 kHz*		,	Sweep 3	Stop 3 368.3 ms (	0.00 MHz 1001 pts)	
MSG							STATUS	s <u>4</u> DC Cou	upled	
LXI RL	RF 5	Swept SA อิฉิ AC	GHz	SENS	E:PULSE	Avg Type	ALIGN AUTO	11:06:36 A	M Jul 11, 2017	Frequency
Center	100 10.01		PNO: Fast ++ IFGain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Hold:	5/100	D	ET A A A A A A A	Auto Tune
10 dB/div	Ref Offset Ref 30.0	9.1 dB 0 dBm					м	kr2 25.6 -31.6	88 GHz 50 dBm	Auto Tune
										Center Freq
20.0	<u>_1</u>									13.015000000 GHz
10.0	ľ									Start Freq 30.000000 MHz
0.00										30.000000 MHz
-10.0									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0										
-30.0			-							CF Step 2.597000000 GHz
-40.0 pagagar	-		and an and a star	man man		mon	- in pour	-		<u>Auto</u> Man
									<b> </b>	Freq Offset 0 Hz
-50.0	1			1	1	1		1		
-50.0										
	147							Stop 2	6.00 GHz 1001 pts)	

				el Band	width:	5 MH	z)_HCI	H_160	QAM_1	RB#0	
LXI RL	RI	nalyzer - Sw F   50 ລ	▲ DC		SENS	E:PULSE		LIGNAUTO	11:10:02 AM	1 Jul 11, 2017	Frequency
Center		79.500	P	NO: Wide 🔸	#Atten: 1	e Run 0 dB	Avg Type Avg Hold:		Mkr1 9.4	123456 MWWWWWW AAAAAA 123 kHz	Auto Tune
10 dB/di	/ Re	f 9.22 dl	3m	1		1			-59.9	19 dBm	1
-0.78											Center Freq 79.500 kHz
-10.8											
-20.8											Start Freq 9.000 kHz
-30.8											Stop Freq
-40.8										-43.00 dBm	150.000 kHz
-60.8											CF Step 14.100 kHz
-60.8											Auto Man
-70.8	yr wile	unwork Ang an	May May	NAAAA	www.	m how was	why when	sharana	www.	www.	Freq Offset 0 Hz
-80.8											
Start 9. #Res B	00 kHz	z kHz	1	#\/B\M	3.0 kHz*			Sween	Stop 15 174.0 ms (	0.00 kHz	
MSG		RHZ		#080	3.0 KH2				s 🚹 DC Cou		
LXI RL	RI	nalyzer - Sw F 50 ລ	▲ DC		SENS	E:PULSE		ALIGN AUTO	11:10:10 AN	4 Jul 11, 2017	_
Center	Freq	15.0750	DOO MHZ	PNO: Fast 🔸	Trig: Fre- #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100	TRAC TVF DE	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 dB/div	, Re	f Offset 9.2 f 9.22 di							Mkr1 1 -57.70	150 kHz 62 dBm	Auto Tune
10 dB/div		i oizz di									Center Freq
-0.78											15.075000 MHz
-10.8											Start Freq
-20.8											150.000 kHz
-30.8										-33.00 dBm	Stop Freq 30.000000 MHz
-40.8											
-60.8											CF Step 2.985000 MHz <u>Auto</u> Man
-60.8											
-70.8											Freq Offset 0 Hz
-80.8	4444 <u>7</u> ,114	~allographer-fallog	-	Maringkan Hulvandru	llowww.www.au	lyny with why in the state of t	-	Mannutation	hunerwise and	ر الم/ مسرالي ميان	
Start 13 #Res B	50 kHz				30 kHz*					0.00 MHz	
MSG				#080	30 KH2				s 🚹 DC Cou		
LX/ RL	RJ	nalyzer - Sw F 50 Ω	AC		SENS	E:PULSE		LIGNAUTO	11:10:13 AM	1 Jul 11, 2017	Frequency
Center	Freq	13.0150	000000 (    	GHZ PNO: Fast ++ Gain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Type Avg Hold:	5/100	TRAC TVF DE	E 1 2 3 4 5 6 E MWWWWWWW T A A A A A A	
10 dB/di	Re Re	f Offset 9.1 f 30.00 d	l dB JBm					м	kr2 25.0 -31.7	91 GHz 32 dBm	Auto Tune
											Center Freq
20.0											13.015000000 GHz
10.0	Ŷ										Start Freq 30.000000 MHz
0.00											30.00000 MHz
-10.0										-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0										. 2	
-30.0							- mar	mun	h	2 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Step 2.597000000 GHz <u>Auto</u> Man
-40.0	muluur	and the second	en mana	- hardy Capan	and the second		- Arment				
-50.0											Freq Offset 0 Hz
-60.0											
Start 30			1		3.0 MHz	•			Stop 2 54.93 ms (	6.00 GHz	
#Res B											

#### **Channel Bandwidth: 10 MHz**



	C	hanne	Band	width:	10 MI	Hz_MC	H_QI	PSK_1I	RB#0	
LXI RL	m Analyzer - Sw RF 50 s	2 \Lambda DC		SENS	E:PULSE		ALIGN AUTO	11:16:35 AM	4 Jul 11, 2017	English
Center Fr		P	NO: Wide 🔸	#Atten: 1	e Run 0 dB	Avg Type Avg Hold:	: RMS 8/100	Mkr1 9.0		Frequency Auto Tune
10 dB/div	Ref Offset 9. Ref 9.22 d	Bm						-59.4	68 dBm	1
-0.78										Center Freq 79.500 kHz
-10.8										
-20.8								_		Start Freq 9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-50.8										CF Step
-60.8 ←										14.100 kHz <u>Auto</u> Man
-70.8	hand	aline where	שירואיניקראי	hydrogA	hand	manyayay	Ar Ward	hand the second way	White	Freq Offset 0 Hz
-80.8									1 112-1	
Start 9.00 #Res BW	kHz			3.0 kHz*				Stop 15 174.0 ms (	0.00 kHz	
	1.0 KH2		#VBW	3.0 KH2"				174.0 ms ( us 1. DC Cou		
LX/ RL	m Analyzer - Sw RF 50 G	2 ADC		SENS	E:PULSE		ALIGN AUTO	11:16:43 AM	4 Jul 11, 2017	_
Center Fr	eq 15.075	000 MHz	NO: Fast 🔸	Trig: Fre- #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TYF DE	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 dB(div	Ref Offset 9. Ref 9.22 d							Mkr1 [·]	150 kHz 06 dBm	Auto Tune
10 dB/div Log	Ker 5.22 u									Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq
-20.8										150.000 kHz
-30.8									-33.00 dem	Stop Freq 30.000000 MHz
-40.8										
-50.8										CF Step 2.985000 MHz <u>Auto</u> Man
+60.8										
-70.8										Freq Offset 0 Hz
-80.8 WWW	หมงให _้ เกาะให้สุรา <b>กสุร</b> ล	ereplylophylophyl	Parative adverte	langerstafterten	hhy hy man and an	-	1144-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	alilon provident	al the following the	
Start 150 H #Res BW	Hz			30 kHz*				Stop 3 368.3 ms (	0.00 MHz	
MSG			<i>"</i> 121	00 1112				us 1 DC Cou		
LXI RL	m Analyzer - Sw RF 50 S	2 AC		SENS	E:PULSE		LIGNAUTO	11:16:45 AF	4 Jul 11, 2017	Frequency
Center Fr	eq 13.015	P	SHZ PNO: Fast Gain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Type Avg Hold:	5/100	TYP	E 123456 E MWWWWWWW T A A A A A A A	
10 dB/div	Ref Offset 9. Ref 30.00	1 dB dBm					IV	1kr2 25.6/ -31.7	36 GHz 29 dBm	Auto Tune
										Center Freq
20.0	1									13.015000000 GHz
10.0										Start Freq 30.000000 MHz
0.00										30.00000 MH2
-10.0								-	-13.00 dBm	<b>Stop Freq</b> 26.00000000 GHz
-20.0									2	
-30.0				~~~	المريد المريد	م سرمدر میں ا	man	American	m	<b>CF Step</b> 2.597000000 GHz <u>Auto</u> Man
-40.0	and the second	and the second		and the second second				1		Freq Offset
-50.0										Freq Offset 0 Hz
-60.0										
	Hz	1			1	1		Stop 2 64.93 ms (	6.00 GHz	
Start 30 M #Res BW			#\/D\^	3.0 MHz	*	4	Sween	64 02 - 4	1001	

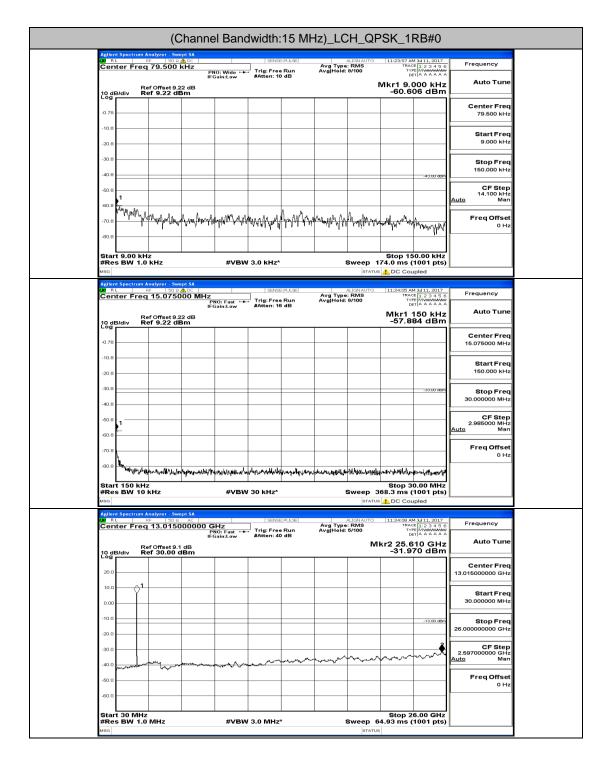
		Channel	Band	width:	10 M	Hz_HC	H_QF	PSK_1	RB#0	
Agilent Spectrum	RF 50 Ω	2 \Lambda DC		SENS	E:PULSE		LIGNAUTO	11:20:19 A	4 Jul 11, 2017	Frequency
Center Fre		PN	O: Wide 🚥	Trig: Fre- #Atten: 1	e Run 0 dB	Avg Type Avg Hold:		Mkr1 9.4	123456 MWWWWWW AAAAAA 423 kHz	Auto Tune
10 dB/div	Ref Offset 9.2 Ref 9.22 di	Bm						-58.7	59 dBm	
+0.78										Center Freq 79.500 kHz
-10.8										
-20.8	_									Start Freq 9.000 kHz
-30.8										
-40.8										Stop Freq 150.000 kHz
-50.8									-43.00 dt/m	CF Step
										14.100 kHz <u>Auto</u> Man
-70.8 MMM	And Ar hundred and	Mundun	n n malm	wa Maran An	water	Mary and have	An M.	n Jhan	Δ.	Freq Offset
	1	19711 - 19 00	110 100	AL MIR.	17 og 10 - 1	- 184 I.	W W	Mar way	on alantipo	0 Hz
-80.8										
Start 9.00 k #Res BW 1.	Hz 0 kHz		#VBW	3.0 kHz*	, ,		Sweep	Stop 15 174.0 ms (	0.00 kHz 1001 pts)	
MSG								is 🚹 DC Cou		
Agilent Spectrum	RF 50 Ω	2 \Lambda DC		SENS	E:PULSE		LIGNAUTO	11:20:27 A	4 Jul 11, 2017	Frequency
Center Fre	q 15.0750	000 MHz PN IFG	IO: Fast ↔ ain:Low	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TYI DI	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 alB(dis)	Ref Offset 9.2 Ref 9.22 di							Mkr1	150 kHz 89 dBm	Auto Tune
10 dB/div	<u>ter 9.22 u</u>									Center Freq
+0.78								-		15.075000 MHz
-10.8										Start Freq
-20.8	+									150.000 kHz
-30.8									-33.00 dem	Stop Freq
-40.8										30.000000 MHz
-50.8										CF Step 2.985000 MHz
-60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8				<b>b</b>						0 H2
	renderingeringerunde	h front an	parate which the	4444444444	and representation	and the stand of the second	~+ville~ulphy		aմկումերներով 0.00 MHz	
Start 150 ki #Res BW 10	1Z D KHZ		#VBW	30 kHz*		1		368.3 ms (	1001 pts)	
MSG Agilent Spectrum	Analyzar - Sw	mot SA					STATU	IS 🦺 DC Cou	ipled	
Center Fre	RF 50 Ω	2 AC 000000 G	Hz	SENS	E:PULSE	Avg Type Avg Hold:	LIGNAUTO	11:20:30 Al	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW	Frequency
			IO: Fast ↔ ain:Low	#Atten: 4	0 dB	Avginola.		1kr2 25.6		Auto Tune
10 dB/div	Ref Offset 9. Ref 30.00 (	1 dB dBm						-31.6	46 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 26.000000000 GHz
-20.0									2	CEStop
				h	June	man	man	h	mm	<b>CF Step</b> 2.597000000 GHz <u>Auto</u> Man
-30.0		a marken and a second	and the second	ma part and a second				1		
-40.0 monthe	and the second									Freq Offset
										0 Hz
-40.0 monthe										
-40.0 montal	1z			3.0 MHz				Stop 2 64.93 ms (	6.00 GHz	

			el Band	width:	10 MH	Iz_LCH	1_160	QAM_1	RB#0	
LXI RL	RF 50	Ω \Lambda DC		SENS	E:PULSE	Avg Type		11:13:40 A	4 Jul 11, 2017	Frequency
	Ref Offset: Ref 9.22	1	PNO: Wide 🔸 IFGain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold:	8/100	Mkr1 9.0	000 kHz 50 dBm	Auto Tune
10 dB/div Log	Ref 9.22	dBm						-35.3		Center Freq
+0.78										79.500 kHz
-10.8										Start Freq
-20.8		_								9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-50.8										CF Step 14.100 kHz
-60.8 G										<u>Auto</u> Man
-70.8	www.	YMYYYYYY	WARA MA	MANN		*Antrony	h _w hrybayd	mangh	munn	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW	kHz 1.0 kHz		#VBN	/ 3.0 kHz		1	weep	Stop 15 174.0 ms (	0.00 kHz 1001 pts)	
MSG							STATU	JS 🚹 DC Cou	pled	
LXI RL	RF 50	Ω 🔥 DC	-	SENS	E:PULSE			11:13:48 AI	4 Jul 11, 2017	Frequency
Centerr	194 15.07	5000 WHA	E PNO: Fast ↔ IFGain:Low	#Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100		E 123456 E MWWWWWW T A A A A A A	Auto Tune
10 dB/div	Ref Offset: Ref 9.22	9.22 dB dBm						Mkr1 -59.4	150 kHz 85 dBm	Auto Turie
-0.78										Center Freq
-10.8										15.075000 MHz
										Start Freq 150.000 kHz
-20.8										100.000 KH2
-30.8									-33.00 dem	Stop Freq 30.000000 MHz
-40.8										CF Step
-60.8										2.985000 MHz Auto Man
-60.8										Freq Offset
-70.8										0 Hz
-80.8 - <b>Maria</b>	liverporter true	*	anteriorite	have the state	n an an shaqadaa sa	herretelendustalut	an the parts	ann an	humphanyn	
Start 150 #Res BW	kHz			/ 30 kHz*				Stop 3 368.3 ms (	0.00 MHz	
MSG							STATU	us 🚹 DC Cou	pled	
LXI RL	RF 50	Ω AC	CHIT	SENS	E:PULSE	Avg Type		11:13:51 A	4 Jul 11, 2017	Frequency
Centerr	req 15.01	5000000	PNO: Fast 🕩 IFGain:Low	#Atten: 4	e Run 0 dB	Avg Hold:	5/100	DI		Auto Tune
10 dB/div	Ref Offset Ref 30.00	9.1 dB 0 dBm					IV	1kr2 25.6 -31.6	54 dBm	Auto Func
20.0										Center Freq 13.015000000 GHz
10.0	0 ¹									13.01500000 GHz
0.00	Ĩ .									Start Freq 30.000000 MHz
-10.0									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0									2	CEStan
-30.0					h		· Parta	r	www.	CF Step 2.597000000 GHz <u>Auto</u> Man
-40.0 Jun~#**	and the second second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-	-	1. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.					Freq Offset
-50.0								-		0 Hz
-60.0								-		
	/IHz				1	1		Stop 2 64.93 ms (	6.00 GHz	
Start 30 M #Res BW				/ 3.0 MHz	*	•	ween	64 93 me /	1001 nte)	

Agilent Spe	ctrum A	nalyzer - Swo F 50 g		Band	matri.			1_100		KD#U	
Center	Freq	F 50 Ω. 79.500	kHz			E:PULSE	Avg Type Avg Hold:	LIGN AUTO	11:17:20 Al TRAC	4 3 11, 2017 E 1 2 3 4 5 6 E Mutuutuu T A A A A A A	Frequency
10 dB/div	Re Re	f Offset 9.2 f 9.22 de	II 12 dB	NO: Wide ↔ Gain:Low	#Atten: 1	0 dB	Avginola.		lkr1 11.3		Auto Tune
_											Center Freq
-0.78											79.500 kHz
-10.8											Start Freq 9.000 kHz
-20.8											5.000 KHZ
-30.8											Stop Freq 150.000 kHz
-40.8										-43.00 dbm	CF Step
-60.8											14.100 kHz <u>Auto</u> Man
-70.8	*WA	<b>`</b> ԿՈՆՄԻՆ. Ռ.Ժ	ALLAN			L. a M.					Freq Offset
-80.8			a Mandin add	LHANNA HANN	1. MALINA	Malana	h-Merland	"hyphyw	an hhundry	Martin Mary	0 Hz
-80.8											
Start 9.0 #Res B\	00 kH: N 1.0	z kHz		#VBW	/ 3.0 kHz*		5	Sweep 1	Stop 15 74.0 ms (	0.00 kHz 1001 pts)	
MSG								STATUS	ι 🦺 DC Coι	pled	
LXI RL	R	nalyzer - Swo F 50 ຄ. 15.0750	\Lambda DC		SENS	E:PULSE	Avg Type	LIGN AUTO	11:17:28 Al	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
				PNO: Fast ↔ Gain:Low	#Atten: 1	e Run 6 dB	Avg Hold:	8/100		123456 A A A A A A A	Auto Tune
10 dB/div	Re Re	f Offset 9.2 f 9.22 dE	2 dB 3m						-58.8	02 dBm	
-0.78											Center Freq 15.075000 MHz
-10.8											
-20.8											Start Freq 150.000 kHz
-30.8										-33.00 dem	
-40.8											Stop Freq 30.000000 MHz
-60.8											CF Step
-60.8											2.985000 MHz <u>Auto</u> Man
-70.8											Freq Offset
-80.8											0 Hz
Start 15			erall,rige-elikt	a physical design of the second	***********************	der and the second	kummuhan kaika	vy(iii/-1/410-1)	Arve-Johnson Providence of the	በሁ\/›ሳሰ፡፡ 0.00 MHz	
#Res B	N 10 I	кНz		#VBW	/ 30 kHz*		5		68.3 ms (	1001 pts)	
Agilent Spe	ctrum A	nalyzer - Swe	pt SA								
Center	Freq	F 50 Ω 13.0150	AC 00000	GHz 2NO: Fast ↔	7	e:PULSE	Avg Type Avg Hold:	RMS 5/100	11:17:31 A TRAC TVI	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
	Re	f Offset 9.1	dB	NO: Fast Gain:Low	#Atten: 4	0 dB			kr2 25.6	62 GHz	Auto Tune
10 dB/div	Re	f 30.00 c	IBm						-31.6	06 dBm	
20.0	_										Center Freq 13.015000000 GHz
10.0	$\uparrow^1$										Start Freq
0.00											30.000000 MHz
-10.0										-13.00 dBm	Stop Freq
-20.0											26.00000000 GHz
-30.0											CF Step 2.597000000 GHz
-40.0	, and the second	an and a stand and a stand and a stand and a stand a st		how	m	maria	man	man	hand		Auto Man
-50.0		-									Freq Offset 0 Hz
-60.0											0 Hz
									Stop 2	6.00 GHz	
Start 30											

Agilent Spi	actrum A	nalyzer - Sw		l Bandv	viutii.			1_100	32/11/1_1	ΠD#0	
LXI RL	F	50 Ω 79.500	<u>∧</u> ⊐⊂ kHz	2NO: Wide		e:PULSE	Avg Type Avg Hold:	LIGNAUTO RMS 8/100	11:21:04 Al TRAC TVI	1 34 11, 2017 = 1 2 3 4 5 6 = MWWWWWWW T A A A A A A	Frequency
10 dB/di	v Re	of Offset 9.2 of 9.22 di	2 dB	FGain:Low	#Atten: 1	0 dB			Mkr1 9.9		Auto Tune
-0.78											Center Freq
											79.500 kHz
-10.8											Start Freq 9.000 kHz
-30.8											
-40.8										-43.00 atsm	Stop Freq 150.000 kHz
-60.8											CF Step 14,100 kHz
	n./l.a.										Auto Man
-70.8	WU WALW	Maria	when	Muninga	www.my	rynny	hanna ann	$\sim$	Mayman	m tol why	Freq Offset 0 Hz
-80.8											
Start 9. #Res B				#VBW	3.0 kHz			Sweep	Stop 15 174.0 ms (	0.00 kHz 1001 pts)	
MSG								STATU	us 🚹 DC Cou	ipled	
LX/RL	F	nalyzer · Sw ⊱ 50 Ω 15.0750	▲ DC	1	SENS	E:PULSE	Ava Type	LIGN AUTO	11:21:12 Al TRAC	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
			1	PNO: Fast 🔸	#Atten: 1	e Run 6 dB	Avg Hold:	8/100		123456 MMMMM AAAAAA 150 kHz	Auto Tune
10 dB/di	v Re	of Offset 9.2 of 9.22 di	22 dB 3m						-59.7	41 dBm	
-0.78											Center Freq 15.075000 MHz
-10.8											
-20.8											Start Freq 150.000 kHz
-30.8										-33.00 dem	Stop Freq
-40.8											30.000000 MHz
-60.8											CF Step 2.985000 MHz
-60.8											<u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8 <b>44</b>	Milyand	munner	در مراجع ا		y,	hillowers	uhanna an Isan	Anno Marile	where the second	(M)/~~~~~~~	
Start 1 #Res B	50 kHz		1						Stop 3	0.00 MHz	
MSG	vv 101	NПZ		#0800	30 kHz*				368.3 ms ( 18 <u>1</u> DC Cou		
LX/RL	F	nalyzer - Sw F 50 Ω	AC		SENS	E:PULSE	Avg Type	LIGNAUTO	11:21:15 A	4 Jul 11, 2017	Frequency
Center	Freq	13.0150		GHZ PNO: Fast ++ FGain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Hold:	5/100	DI	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Auto Tune
10 dB/di	v Re	of Offset 9.1 of 30.00 of	l dB dBm					N	1kr2 25.6 -31.7	36 GHz 34 dBm	Auto Tune
20.0											Center Freq 13.015000000 GHz
10.0	1										
0.00											Start Freq 30.000000 MHz
-10.0										-13.00 dBm	Stop Freq
-20.0										-10.00 0pm	26.00000000 GHz
-30.0										à	CF Step 2.597000000 GHz
-40.0	معراسي	يعربها يعديه	-	-	man	and and a solar	mont	mand	han		2.597000000 GHz <u>Auto</u> Man
-50.0											Freq Offset
-60.0											0 Hz
	0 MHz								Stop 2	6.00 GHz	
		MHz			3.0 MHz				atop 2	6.00 GHZ 1001 pts)	

#### **Channel Bandwidth: 15 MHz**



			el Band	lwidth:	15 MH	Hz)_MC	CH_QI	PSK_1	RB#0	
Agilent Spectro VI RL Center Fr	RF 50	Ω 🛆 DC			E:PULSE	Avg Type Avg Hold:	ALIGN AUTO	11:27:38 Al TRAC	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
	Ref Offset :	9.22 dB	PNO: Wide ↔ FGain:Low	#Atten: 10	e Run 0 dB	Avg Hold:		/kr1 10.4	410 kHz 78 dBm	Auto Tune
10 dB/div Log	Ref 9.22									Center Freq
+0.78										79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-60.8										CF Step
-60.8 1										14.100 kHz <u>Auto</u> Man
-70.8	"William Million	howhowhen	ret Warney ages	$\gamma \gamma \gamma \gamma \eta$	phane Ary	-	VVV/Wyw	www.	MMMAN	Freq Offset 0 Hz
-80.8		· ·		· ·				-	-, <u>,</u> ,	
Start 9.00	kHz		1					Stop 15	0.00 kHz	
#Res BW	1.0 kHz		#VBW	3.0 kHz*				174.0 ms ( 8 1 DC Cou		
	um Analyzer - S	wept SA								
Center Fr	RF 50 req 15.07		DNO: East and	SENSI	e:PULSE	Avg Type Avg Hold:	ALIGN AUTO RMS 8/100	11:27:47 Al TRAC TVI	M 3JI 11, 2017 E 1 2 3 4 5 6 E M WWWWWW T A A A A A A	Frequency
	D-100-11	'	FGain:Low	#Atten: 10	6 dB			Mkr1	150 kHz	Auto Tune
10 dB/div	Ref Offset: Ref 9.22	dBm			1	1		-59.1	77 dBm	
-0.78										Center Freq 15.075000 MHz
-10.8										
-20.8										Start Freq 150.000 kHz
-30.8										
									-33.00 dem	Stop Freq 30.000000 MHz
-40.8										CF Step
-60.8										2.985000 MHz Auto Man
-60.8										
-70.8										Freq Offset 0 Hz
-80.8	erenterilistation and	www.	anterning/apparte	where the second	a	han manager have	lipatronyahin	wet wow have	n pppontuly	
Start 150	kHz							Stop 3	0.00 MHz	
#Res BW	10 KH2		#VBV	30 kHz*				3 <b>68.3 ms (</b> 8 <u>4</u> DC Col		
Agilent Spectru	um Analyzer - S	wept SA		SENS	FDUSE		ALIGN ALITO	11-27:49 4	4 Jul 11, 2017	
Center Fr	eq 13.01		GHz PNO: Fast FGain:Low	Trig: Free #Atten: 40	e Run	Avg Type Avg Hold:	: RMS 5/100	TRAC		Frequency
	Ref Offset	9.1 dB	FGain:Low	#////en: 4	0 40		м	kr2 25.6		Auto Tune
10 dB/div	Ref 30.00	dBm						-31.8		Captor Er
20.0			+							Center Freq 13.015000000 GHz
10.0	2	_	-							Start Freq
0.00										30.000000 MHz
-10.0									-13.00 dBm	Stop Freq
-20.0										26.000000000 GHz
-30.0									2	CF Step 2.597000000 GHz
-40.0	mound	contraction and			mmmm	man	m	monor	~~~×	2.597000000 GHz <u>Auto</u> Man
~~~~	len a									Freq Offset
-50.0										0 Hz
		-			1	1	I	1		
-60.0										
-60.0 Start 30 M #Res BW			#\/B\A	3.0 MHz	*		Sween 4	Stop 2	6.00 GHz 1001 pts)	

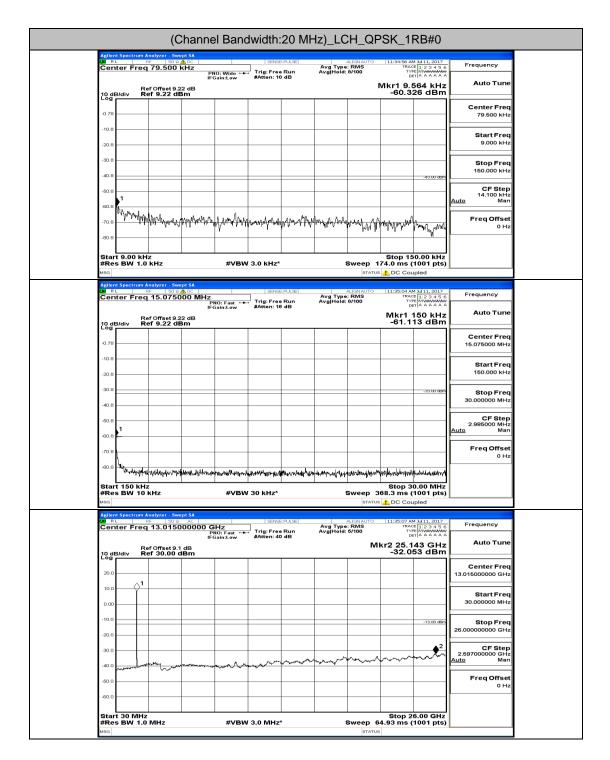
	(Cł	nannel	Band	width:	15 MH	lz)_HC	H_QF	PSK_1	RB#0	
Agilent Spectrum A	nalyzer - Swep	t SA		CENT	E:PULSE		IGNAUTO	11-01-16 **	4 Jul 11, 2017	
Center Freq		Hz PNO:	Wide	Trig: Free #Atten: 10		Avg Type Avg Hold:	RMS 8/100	TRAC	E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
Re 10 dB/div Re	ef Offset 9.22 ef 9.22 dBr	dB	n:Low	#Atten: 10) aB		м	lkr1 12.2		Auto Tune
										Center Freq
+0.78										79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq
-40.8									-43.00 dbm	150.000 kHz
-50.8										CF Step 14.100 kHz
-60.8										<u>Auto</u> Man
-70.8	horalin	r Muyan hu	ro ^{n A} nd And	hptontheyed	armywyw.	Maralayara	rand the second s	Martin Martin	WHAN THINK TO	Freq Offset 0 Hz
-80.8										
Start 9.00 kH					1			Stop 15	0.00 kHz	
#Res BW 1.0	KHZ		#vBW	3.0 kHz*				74.0 ms (
Agilent Spectrum A	Analyzer - Swep	t SA								
Center Freq	15.07500		:Fast ++++	Trig: Free		Avg Type Avg Hold:	RMS 8/100	11:31:24 AM TRAC TVF	E 1 2 3 4 5 6 MWWWWWW T A A A A A A	Frequency
P	-f Offeret 0.22	IFGai	n:Low	#Atten: 16	3 dB			Mkr1 1	150 kHz	Auto Tune
10 dB/div R	ef Offset 9.22 ef 9.22 dBr	m			1			-60.7	51 dBm	1
-0.78										Center Freq 15.075000 MHz
-10.8										1
										Start Freq 150.000 kHz
-20.8										
-30.8									-33.00 dem	Stop Freq 30.000000 MHz
-40.8										
-50.8										CF Step 2.985000 MHz
-60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
				ي يەرلە	a line da cata a			hals of the		
	พาธิละสำนุลามหมายนุ	Part House of the Add	illed/indianalya	nadarahat.	structure data series de la constructure de la construcción de la construcción de la constructure de la constru La constructure de la constructure d	an a	rand and a state of			
Start 150 kHz #Res BW 10	z kHz		#VBW	30 kHz*		5		68.3 ms (
MSG Agilent Spectrum A	alvzas Suzz	42.1					STATUS	🚹 DC Cou	pied	
Center Freq	RF 50 Ω	AC 0000 GH	z	SENSE		Avg Type Avg Hold:	LIGN AUTO	11:31:27 AM TRAC	4 Jul 11, 2017 E 1 2 3 4 5 6	Frequency
		PNO IFGai	:Fast	Trig: Free #Atten: 40	e Run 0 dB	Avg Hold:				Auto Tune
10 dB/div Re	ef Offset 9.1 o ef 30.00 dE	B Bm					IVI	kr2 25.0 -31.7	65 GHz 35 dBm	
										Center Freq
20.0										13.015000000 GHz
10.0										Start Freq
0.00										30.000000 MHz
-10.0									-13.00 dBm	Stop Freq
-20.0										26.000000000 GHz
-30.0									2	CF Step 2.597000000 GHz
-40.0 marminer	www.		-Am	-	mmm		Ange M	m		Auto Man
	***									Freq Offset
-50.0										0 Hz
-50.0										
	MHz		#VBW	3.0 MHz'		5	Sweep 6	Stop 2 4.93 ms (6.00 GHz 1001 pts)	

Agilent Spectrum			Band	width:		Hz)_LC	H_16	QAM_	IKB#U	
Center Fre	RF 50 S	kHz		7	E:PULSE	Avg Type Avg Hold:	ALIGN AUTO	11:24:42 A TRA	M Jul 11, 2017 CE 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
10 dB/div	Ref Offset 9. Ref 9.22 d	IF	NO: Wide 🗝 Gain:Low	#Atten: 1	0 dB	Avginoid:	8/100	Mkr1 9.	564 kHz 14 dBm	Auto Tune
209										Center Freq
-0.78										79.500 kHz
-10.8	-									Start Freq 9.000 kHz
-20.8										9.000 KH2
-30.8										Stop Freq 150.000 kHz
-40.8									-43.00 dBm	CF Step
-50.8										14.100 kHz Auto Man
·60.8	Walnu .	1.4.11.14.14	M a chan		.1.8.1	up and the part of the				Freq Offset
-70.8	· · · · · · · · · · · · · · · · · · ·	alt la activit	N. W. WWW	wrmm	WWW	.h.h.h.h.h.h.h.h	M WWW W	ntryrn	1 Mary August M	0 Hz
-80.8	-								4	
Start 9.00 k #Res BW 1	Hz .0 kHz	-	#VBW	3.0 kHz			Sweep	Stop 1: 174.0 ms	50.00 kHz (1001 pts)	
MSG								us 🚹 DC Co		L
Agilent Spectrum M RL Center Fre	RF 50 S	2 \Lambda DC		SENS	E:PULSE	Aug Type		11:24:50 A	M Jul 11, 2017	Frequency
Center Fre	iq 15.075	D	NO: Fast 🔸	Trig: Fre #Atten: 1	e Run 6 dB	Avg Type Avg Hold:	8/100		ET A A A A A A	
10 dB/div	Ref Offset 9. Ref 9.22 d	22 dB Bm						Mkr1 -58.4	150 kHz 11 dBm	Auto Tune
_										Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq 150.000 kHz
-20.8	-									130.000 KH2
-30.8									-33.00 dem	Stop Freq 30.000000 MHz
-40.8										CF Step
-60.8										2.985000 MHz Auto Man
+60.8										Freq Offset
-70.8										0 Hz
-80.8 "WHITH	where we not the stand of the second	handrandikkummi	mananagan	menter for the second	huppingentryse	right production in the	under and the	for.Hestingableseendet	antal and a second second	
Start 150 kl #Res BW 1	Hz 0 kHz		#VBW	30 kHz*			Sweep	Stop 3 368.3 ms	0.00 MHz (1001 pts)	
MSG							STAT	us 🦺 DC Co	upled	Ľ.
Agilent Spectrum X RL Center Fre	RF 50 S	2 AC	2017	SENS	E:PULSE	Avg Type	ALIGN AUTO	11:24:52 A	M Jul 11, 2017	Frequency
oontorrite	q 10.010	Р	NO: Fast	#Atten: 4	e Run 0 dB	Avg Hold:	5/100	C	ET A A A A A A	Auto Tune
10 dB/div Log	Ref Offset 9. Ref 30.00	1 dB dBm					N	-31.4	610 GHz 41 dBm	Auto Func
20.0										Center Freq 13.015000000 GHz
10.0	1									13.01800000 GH2
0.00										Start Freq 30.000000 MHz
-10.0									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0									2	CF Step
-30.0	un and and a	·		معرياتهم وم	a program a good	men	~~~~~	Maria	mint	CF Step 2.597000000 GHz <u>Auto</u> Man
	and the second	and the second secon	and the second	-						Freq Offset
-40.0 pm/~~			-		+	-				
-40.0 Anoracador -50.0										0 Hz
-40.0 promotion										0 Hz

	(C	hanne	el Band	width:1	15 MH	z)_MC	H_16	QAM_	1RB#0	
Agilent Spectru	RF 50 \$	Ω \Lambda DC		SENS	E:PULSE		ALIGN AUTO	11:28:23 A	M Jul 11, 2017	
Center Fre	≱q 79.500		PNO: Wide 🕶 FGain:Low	Trig: Free #Atten: 10	e Run 0 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TVI D	ET A A A A A A	Frequency
10 dB/div	Ref Offset 9. Ref 9.22 d	.22 dB 1Bm					N	/lkr1 15./ -59.9	063 kHz 78 dBm	Auto Tune
										Center Freq
-0.78										79.500 kHz
-10.8										Start Freq
-20.8										9.000 kHz
-30.8										Stop Freq 150.000 kHz
-40.8		_							-43.00 dgm	150.000 KH2
-50.8										CF Step 14.100 kHz Auto Man
-60.8 VWW										<u>Auto</u> Man
-70.8	MMMM Junya	hiffhmrwa	m	Mandonpo	$\gamma_{M} \sim \gamma_{M}$	MALICAN	m willing the	American Are	1 maine	Freq Offset 0 Hz
-80.8			,				14°U -	1 4. 4. 1	MANNAU.	
Start 9.00 I	ĸHz							Stop 1	50.00 kHz	
#Res BW 1	.0 kHz		#VBN	/ 3.0 kHz*		:		174.0 ms (1001 pts)	
Agilent Spectru	m Analyzer - Sv	wept SA								
	eq 15.075	000 MH2	Z PNO: Fast ++ FGain:Low	Trig: Free	e:PULSE	Avg Type Avg Hold:	ALIGN AUTO : RMS 8/100	11:28:31 A TRAC TY	M 3ul 11, 2017 = 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A A	Frequency
	Ref Offset 9		FGain:Low	#Atten: 10	5 dB			Mkr1	150 kHz	Auto Tune
10 dB/div	Ref Offset 9 Ref 9.22 d	iBm						-60.5	38 dBm	
-0.78	_									Center Freq 15.075000 MHz
-10.8										
-20.8	_									Start Freq 150.000 kHz
-30.8									-33.00 dem	Stop Freq
-40.8										30.000000 MHz
-60.8										CF Step 2.985000 MHz
-60.8										Auto Man
-70.8										Freq Offset
-80.8										0 Hz
	unstall-rational	(Lengenser	ารูกรูปสารประการให้สารปา	-1	kennen ferhaur	****	/*#¥**#**IV+1/1/		*****	
Start 150 k #Res BW 1	HZ 0 KHZ		#VBW	/ 30 kHz*		:		368.3 ms (
MSG Agilent Spectru	m Analyzer - Sv	wept SA					STATU	s 🚹 DC Cou	ipiea	
Center Fro	RF 50 \$	Ω AC	GHz PNO: Fast ↔	SENS	E:PULSE	Avg Type Avg Hold:	ALIGN AUTO	TRAC	M Jul 11, 2017 E 1 2 3 4 5 6 PE MWWWWWW	Frequency
	Ref Offset 9	1	FGain:Low	#Atten: 40	0 dB			⊳ 1kr2 25.6	36 GHz	Auto Tune
10 dB/div	Ref 30.00	dBm			1			-31.5	47 dBm	
20.0										Center Freq 13.015000000 GHz
10.0	,1									
0.00										Start Freq 30.000000 MHz
-10.0	_		1						-13.00 dBm	Stop From
									-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0									2	CF Step 2.597000000 GHz
-20.0						man mark	mun	human	mark	2.597000000 GHz <u>Auto</u> Man
-30.0		م. نام ح رم	Lan	mar	water and the		-			
-30.0	and the second second	- and an and a state of the sta		mar						Freq Offset
-30.0 -40.0			┉┉∼ү∧҂	m	•_~~\					Freq Offset 0 Hz
-30.0 -40.0 -50.0 -60.0										
-30.0 -40.0	Hz		#VBW	(3.0 MHz	*		Sweep (64.93 ms (6.00 GHz 1001 pts)	

	(C	hannel	Band	width:	15 MH	lz)_HC	H_160	QAM_	1RB#0	
Agilent Spectrum	RF 50 Ω	A DC		SENS	E:PULSE		ALIGN AUTO	11:32:01 A	M Jul 11, 2017	Frequency
Center Fre	q 79.500	19	NO: Wide 🔸	Trig: Fre- #Atten: 1	e Run 0 dB	Avg Type Avg Hold:	: RMS 8/100	TRAC TY D	ET A A A A A A	Frequency
10 dB/div	Ref Offset 9.2 Ref 9.22 di		oumeon				N	1kr1 10.4	410 kHz 68 dBm	Auto Tune
Log	1									Center Freq
-0.78										79.500 kHz
-10.8										Ctort From
-20.8										Start Freq 9.000 kHz
-30.8										
										Stop Freq 150.000 kHz
-40.8									-43.00 dt/m	
-60.8	-									CF Step 14.100 kHz Auto Man
-60.8	0									<u>Auto</u> Man
-70.8	an Migner	mar	MAN	mar Mary	huppy	1 population	with	Manner	Alexan	Freq Offset 0 Hz
-80.8				- Ч			. 14 1	ייזעיי ש	M mm	0 H2
Start 9.00 k #Res BW 1.	Hz 0 kHz		#VBW	3.0 kHz*			Sweep 1	Stop 15	50.00 kHz 1001 pts)	
MSG								s 🚹 DC Coi		
Agilent Spectrum	Analyzer - Sw	ept SA		CENC	s pui cel			11:32:09 A	M 2 111 2012	
Center Fre	q 15.0750	DOO MHz	NO: Fast 🔸	Trig: Fre	e Run	Avg Type Avg Hold:	: RMS 8/100	TRAC	PE A A A A A A	Frequency
I .			Gain:Low	#Atten: 1	6 dB				150 kHz	Auto Tune
10 dB/div	Ref Offset 9.2 Ref 9.22 di	Bm						-58.5	20 dBm	
-0.78										Center Freq
										15.075000 MHz
-10.8	+									Start Freq
-20.8	+									150.000 kHz
-30.8									-33.00 dem	Stop Freq
-40.8										30.000000 MHz
										CF Step
-60.8										2.985000 MHz <u>Auto</u> Man
+60.8										
-70.8										Freq Offset 0 Hz
-80.8 4 44444	ulla when the protocol	Helensha takatat	alista a Astronom	All March and March	han alaman	La KJun, anomio	Lucie Luci	منعاطين والارم	مالالما معالي	
Start 150 kł		el : e set illes de la		And the other	and the identity		. No An . And file the		0.00 MHz	
#Res BW 10	kHz		#VBW	30 kHz*		:		368.3 ms (1001 pts)	
MSG							STATUS	s <u>4</u> DC Cou	upled	
Agilent Spectrum	RF 50 Ω	AC		SENS	E:PULSE	Avg Type		11:32:11 A	M Jul 11, 2017	Frequency
Center Fre	<u>q 13.015</u> (P IFI	NO: Fast ++- Gain:Low	Trig: Fre #Atten: 4	e Run 0 dB	Avg Hold:	5/100	TY	ET A A A A A A	
	Ref Offset 9.4 Ref 30.00 d	1 dB					м	kr2 25.6	88 GHz 74 dBm	Auto Tune
10 dB/div	0.000									Captor Er
20.0	+				-					Center Freq 13.015000000 GHz
10.0	<u>ц </u>									
0.00										Start Freq 30.000000 MHz
-10.0	+				-			-	-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0	+									
	+							-	mn	CF Step 2.59700000 GHz
-30.0			han	m	mon	man	man	mana		Auto Man
	and a second		1		1	1		1		Freq Offset
-40.0 Normanion	and a star and a star and a star a									
-40.0 www.www.ww	and a second second									0 Hz
-40.0 Normanion										
-40.0 www.www.ww				3.0 MHz				Stop 2	6.00 GHz 1001 pts)	

Channel Bandwidth: 20 MHz



					nne	l Banc	dwidth	20 MI	Hz)_MC	CH_Q	PSK_1	RB#0	
LX/ R	L	B	nalyzer - 1 F 50 79.50	DC A DC				E:PULSE	Avg Type	ALIGN AUTO	11:38:36 A	4 Jul 11, 2017	Frequency
		Re	fOffset	9.22 dB	IFG	O: Wide 🔸 ain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold:	8/100	/kr1 15.:	768 kHz	Auto Tune
10 d Log		RE	ef 9.22	авт									Center Fred
-0.78				_									79.500 kHz
-10.8													Start Freq
-20.8				_									9.000 kHz
-30.8													Stop Freq
-40.8												-43.00 dBm	150.000 kHz
-50.8				_									CF Step 14.100 kHz
+60.8		1		_									Auto Man
-70.8	"Yhah	l'hay	MAMAN	WWW	ym, w	NWANY	WWW	way way	Harty Marty water	lan mante	marin	Uwww	Freq Offset 0 Hz
-00.0													
Stai #Re	t 9.00 s BW) KH	z kHz			#VBW	/ 3.0 kHz			Sweep '	Stop 15 174.0 ms (0.00 kHz 1001 pts)	
MSG											s 🚹 DC Cou		
LXI R	L	R	nalyzer - 1 F 50	I 🔉 🔥 DC			SENS	E:PULSE		ALIGNAUTO	11:38:44 A	4 Jul 11, 2017	Frequency
Cer	iter F	req	15.07	5000		IO: Fast ↔ ain:Low	Trig: Fre #Atten: 1		Avg Type Avg Hold:	8/100	TRAC TYI DI	E 123456 E MWWWWW A A A A A A	
10 d	Bidiy	Re	f Offset	9.22 dB							Mkr1 -58.6	150 kHz 90 dBm	Auto Tune
10 d Log													Center Freq
-0.78													15.075000 MHz
-10.8													Start Freq
-20.8				_									150.000 kHz
-30.8												-33.00 dem	Stop Freq
-40.8				_									30.00000 MHz
-60.8	_			_									CF Step 2.985000 MHz
-60.8	Ļ			_									Auto Man
-70.8													Freq Offset
-80.8	\												0 Hz
		e-Newy	hankynn	ut the second	whenlift	r74444,~~~~~~	harrist like my	n ^{y o} vrte _{nov} nových	heperson and the second	annar an ann	4 Kildwarthar	elever-mil-norm	
Stai #Re	t 150 s BW	kHz 10 I	: kHz			#VBW	/ 30 kHz*				368.3 ms (
MSG										STATU	s 🦺 DC Cou	pled	
LXI R	L	R	nalyzer - 3 F 50 13.01	Ω AC	00 G	Hz		E:PULSE	Avg Type Avg[Hold:	ALIGN AUTO	11:38:47 Al TRAC	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
		104	10101		PN	IO: Fast ↔ iain:Low	#Atten: 4	e Run 0 dB	AvgHold			E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Auto Tune
10 d	B/div	Re Re	f Offset	9.1 dB) dBm						IV	kr2 25.6 -31.3	88 GHz 76 dBm	Auto Func
20.0													Center Freq
		1											13.015000000 GHz
10.0		ľ											Start Freq
0.00				1									30.00000 MHz
-10.0				-								-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0	<u> </u>												
-30.0 -40.0	Banadandar	-	w~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-	hund	mar	man	mon	man	CF Step 2.597000000 GHz <u>Auto</u> Man
1			*~										Freq Offset
-50.0													0 Hz
-60.0	t 30 I											6.00 GHz	

Agilant	Spectrum	(C Analyzer - Sw		el Bano	awidth:	20 MF	IZ)_HC	/H_QF	-SK_1	KB#U	
LXI RL		RF 50 Ω q 79.500	kHz			E:PULSE	Avg Type	LIGN AUTO	11:42:15 Al TRAC	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
10 dB	R	tef Offset 9.: tef 9.22 d	1 11 22 dB	PNO: Wide ↔ FGain:Low	Trig: Free #Atten: 10	odB	Avg Hold:		lkr1 13.3	371 kHz 50 dBm	Auto Tune
_											Center Freq
-0.78 -											79.500 kHz
-10.8 -											Start Freq
-20.8 -											9.000 kHz
-30.8 -											Stop Freq 150.000 kHz
-40.8							-			-43.00 dBm	CF Step
-60.8	▲ ¹										CF Step 14.100 kHz Auto Man
-60.8 n	Man	manger	AAAAAAA	When when	and mark	hundre	and and and a	h h h h h h h h h h h h h h h h h h h	Mr. mar	MYA KANG A	Freq Offset 0 Hz
-80.8		· ·	<u> · ·</u>		· · · ·	· ·			. 40 . 1	· (** * **	
Start	9.00 kł	-17							Stop 15	50.00 kHz	
#Res	BW 1.0	0 ĸHz		#VBW	/ 3.0 kHz*		1		74.0 ms (1001 pts)	
Agilent	Spectrum	Analyzer - Sw	ept SA					UNIO	- DC C0	spied	
LX/ RL		RF 50 ຊ q 15.075		PNO: East + P	SENS	e:PULSE	Avg Type Avg Hold:	LIGN AUTO RMS 8/100	11:42:23 Al TRAC	M Jul 11, 2017 TE 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
		of Offeat 9		PNO: Fast ↔ FGain:Low	#Atten: 10	6 dB			Mkr1	150 kHz	Auto Tune
10 dB	/div R	tef Offset 9.: tef 9.22 d	Bm						-61.1	66 dBm	
-0.78				_							Center Freq 15.075000 MHz
-10.8											Ctart From
-20.8											Start Freq 150.000 kHz
-30.8										-33.00 dem	Stop Freq
-40.8											30.000000 MHz
-60.8 -											CF Step 2.985000 MHz
-60.8	1										<u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	l Wyskile, wit	14 . 14 . 144	a duathau	paters.]qqqqqqqqqqq							0112
	150 kH		NR-WARMAN	han and the short of the	www.www.www.	a. Abude Oaksah	harventurk	Art Indanian		0.00 MHz	
#Res	BW 10	kHz		#VBN	/ 30 kHz*		1		68.3 ms (1001 pts)	
Agilent	Spectrum	Analyzer - Sw	ept SA								
Cent	er Free	ຊ 13.0150	000000	GHz PNO: Fast ++ FGain:Low	7	e Run	Avg Type Avg Hold:	LIGN AUTO : RMS 5/100	11:42:26 Al TRAC TY	M 3ul 11, 2017 2E 1 2 3 4 5 6 PE MWWWWWW ET A A A A A A	Frequency
	R	tef Offset 9.		FGain:Low	#Atten: 40	DdB		м	kr2 25.6	36 GHz	Auto Tune
10 dB	/div R	tef Offset 9. tef 30.00	dBm						-31.4	41 dBm	Contract
20.0											Center Freq 13.015000000 GHz
10.0											Start Freq
0.00											30.000000 MHz
-10.0										-13.00 dBm	Stop Freq
-20.0											26.00000000 GHz
-30.0						man	-	n y man	-		CF Step 2.597000000 GHz <u>Auto</u> Man
-40.0	and	how		-							FreqOffset
-60.0											0 Hz
1											
L L	30 MH									6.00 GHz	

Agilent Spectr	um Analyzer - S	wept SA	el Band			·/				
Center Fr	req 79.500		PNO: Wide 🗝	Trig: Free	Run	Avg Type Avg Hold:	LIGN AUTO : RMS 8/100	11:35:41 AI TRAC TYI	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 dB/div	Ref Offset 9 Ref 9.22 (9.22 dB	IFGain:Low	#Atten: 10	dB		м	1kr1 12.9		Auto Tune
-0.78										Center Freq
										79.500 kHz
-10.8										Start Freq 9.000 kHz
-30.8										Stop Freq 150.000 kHz
-40.8									-43.00 dbm	CF Step
-60.8 4/444										14.100 kHz <u>Auto</u> Man
-70.8	manyan	yangangan a	wand the seal	Munipping Halland	when the	MAN DW	White Marine	MAN	°WWW	Freq Offset 0 Hz
-80.8										
Start 9.00 #Res BW	kHz 1.0 kHz		#VBW	/ 3.0 kHz*		1		74.0 ms (
Agilant Spectr	um Analyzer - S	awant SA					STATUS	B 🦺 DC Cou	ipled	
LXI RL	RF 50 req 15.075	Ω 🛕 DC	z	SENSE	Run	Avg Type Avg Hold:	LIGN AUTO	11:35:49 Al TRAC	4 3 4 11, 2017 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 dB(din	Ref Offset 9 Ref 9.22 (PNO: Fast 🔸	#Atten: 16		rit gji total		Mkr1	150 kHz 82 dBm	Auto Tune
10 dB/div Log	Rei 9.22 (Center Freq
-0.78										15.075000 MHz
-10.8										Start Freq 150.000 kHz
-20.8									-33.00 dBm	
-40.8										Stop Freq 30.000000 MHz
-60.8										CF Step 2.985000 MHz
+60.8										<u>Auto</u> Man
-70.8										Freq Offset 0 Hz
-80.8 - Mill Mill Mill Mill	autor and the second states	yai/ipelaleleeaaaaa	nnnnt	here when the	~. **** **********	pernentent	meripersphere	repary the mate	maturative	
Start 150 #Res BW	kHz 10 kHz		#VBN	/ 30 kHz*				Stop 3 68.3 ms (
	um Analyzer - S	wept SA					aiAida		ipied	
LX/RL	RF 50 req 13.015	Ω AC	GHz PNO: Fast ↔ IFGain:Low	SENSE	Run	Avg Type Avg Hold:	LIGN AUTO RMS 5/100	11:35:51 Al TRAC TVI	4 Jul 11, 2017 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 dB/div	Ref Offset 9 Ref 30.00	0.1 dB	IFGain:Low	#Atten: 40	dB		м	kr2 25.0		Auto Tune
20.0										Center Freq
	> ¹									13.015000000 GHz
0.00										Start Freq 30.000000 MHz
-10.0									-13.00 dBm	Stop Freq
										26.00000000 GHz
-20.0					بهالمحد المرسياس	man	manet	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		CF Step 2.597000000 GHz Auto Man
-30.0				1 m m (~~ 1)				1		
	- warden - warm	244-14-14-14-14-14-14-14-14-14-14-14-14-1								Freq Offset
-30.0	bruther all brown									Freq Offset 0 Hz

Agilent Spe	ctrum A	(UI nalyzer - Swe		el Band	wiath.2	20 1011 1	2)_1010	11_10		IIND#0	
LXI RL	RI	F 50 Ω 79.500	<u>∧</u> ⊐⊂ kHz			E:PULSE	Avg Type Avg[Hold:	ALIGN AUTO	11:39:21 A TRAV	M Jul 11, 2017 E 1 2 3 4 5 6	Frequency
10 dB/div	Re	f Offset 9.2 f 9.22 di	2 dB	PNO: Wide 🔸 IFGain:Low	#Atten: 10	e Run 0 dB	Avg Hold:	8/100	Mkr1 9.	000 kHz 11 dBm	Auto Tune
											Center Freq
+0.78											79.500 kHz
-10.8											Start Freq
-20.8											9.000 kHz
-30.8											Stop Freq
-40.8				_					_	-43.00 dBm	150.000 kHz
-60.8											CF Step 14.100 kHz
·60.8 Мр	. N										<u>Auto</u> Man
-70.8	vr Imri	KW6.abrahan	LAAL	rafterer for	mormphore	wwwww	Maphon	NNNN	WWWW	WWWWWW	Freq Offset 0 Hz
-00.0											
Start 9.0 #Res Bl				#VBW	/ 3.0 kHz*			Sweep	Stop 14 174.0 ms (50.00 kHz 1001 pts)	
MSG									us 🦺 DC Coi		t
LX/RL	RJ	nal <mark>yzer - Sw</mark> F 50 Ω	\Lambda DC		SENS	E:PULSE		ALIGN AUTO	11:39:29 A	M Jul 11, 2017	Frequency
Center	Freq	15.0750		Z PNO: Fast ↔ IFGain:Low	#Atten: 16	e Run 5 dB	Avg Type Avg Hold:	8/100	TY	ET A A A A A A	
10 dB/div	Re	f Offset 9.2 f 9.22 di	2 dB						Mkr1 -57.8	150 kHz 25 dBm	Auto Tune
10 dB/div		i oizz di									Center Freq
+0.78											15.075000 MHz
-10.8											Start Freq
-20.8											150.000 kHz
-30.8										-33.00 dBm	Stop Freq
-40.8											30.000000 MHz
-60.8											CF Step 2.985000 MHz
+60.8											<u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	In II								tak k		0 112
Start 15			unit dan	hutepathyterilandu	8 47764911498749	1 ⁴⁴ 144/144/14/14/14/14/14/14/14/14/14/14/14	in the state of th	wanap		いいいれん (小小小小小小) 0.00 MHz	
#Res B	N 10 F	кHz		#VBW	30 kHz*		:		368.3 ms	1001 pts)	
MSG	ctrum A	nalyzer - Swi	ant SA					STAT	us 🦺 DC Co	ipiea	
LX/RL	RJ	F 50 Ω 13.0150	AC	GHz	SENS	E:PULSE	Avg Type	ALIGN AUTO	11:39:31 A TRA/	M Jul 11, 2017 E 1 2 3 4 5 6 PE MWWWWW	Frequency
				PNO: Fast 🚥 IFGain:Low	#Atten: 40	0 dB	Avg Hold:		/lkr2 25.6		Auto Tune
10 dB/div	Re Re	f Offset 9.1 ef 30.00 c	dB IBm						-31.4	93 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		0.		<u> </u>		بەس مەرىغى	hund	ma	h	m	CF Step 2.597000000 GHz <u>Auto</u> Man
-40.0 prom	معلما ليوم	مر مراریک	tool Manana	-	and the second						FreqOffset
-50.0											0 Hz
-60.0											
			1				L		Stop 2	6.00 GHz	
Start 30 #Res Bl	MHZ	NALL-		443 / D 14	3.0 MHz	*			64.93 ms (1001	

				el Band	width:2	20 MH:	z)_HC	H_160	QAM_1	IRB#0	
LXI RL		Analyzer - Sw RF 50 G q 79.500	A DC		SENSE		Avg Type	LIGN AUTO	11:43:00 Al	4 Jul 11, 2017	Frequency
	F	Ref Offset 9.	1 22 dB	PNO: Wide ↔ FGain:Low	Trig: Free #Atten: 10	Run dB	Avg Hold:	8/100	1kr1 13.4	512 kHz 87 dBm	Auto Tune
10 dB		Ref 9.22 d	BIII						00.0		Center Freg
-0.78 -											79.500 kHz
-10.8											Start Freq
-20.8		-							-		9.000 kHz
-30.8 -											Stop Freq
-40.8										-43.00 dbm	150.000 kHz
-60.8	≜ ¹										CF Step 14.100 kHz <u>Auto</u> Man
-60.8	Milma	An.									
-70.8 -		Marin	etylenter poly	ppay Marin	WANNY	MANAMAN	whythyth	MuraMaria	Warran	My Many	Freq Offset 0 Hz
-80.8							- 1	μ	- r		
Start	9.00 k	Hz							Stop 15	0.00 kHz	
#Res	BW 1.	0 KHZ		#VBN	/ 3.0 kHz*		1		1 74.0 ms (s <u>4</u> DC Col		
Agilent	Spectrum	Analyzer - Sw	ept SA		CENCE	-01155		ALIGN AUTO	11:43:09 A	4 14 11 2012	
Cent	er Fre	q 15.075	000 MH2	PNO: Fast ↔ FGain:Low	Trig: Free #Atten: 16		Avg Type Avg Hold:	8/100	TRAC TVI DI	E 123456 E MWWWWWW T A A A A A A	Frequency
		Ref Offset 9. Ref 9.22 d		FGam:Low	WALCON: 10				Mkr1	150 kHz 83 dBm	Auto Tune
10 dB	/div F	tef 9.22 d	Bm						-00.0		Center Freq
-0.78											15.075000 MHz
-10.8 -											Start Freq
-20.8											150.000 kHz
-30.8										-33.00 dem	Stop Freq
-40.8											30.000000 MHz
-60.8	1										CF Step 2.985000 MHz
+60.8 é											<u>Auto</u> Man
-70.8											Freq Offset 0 Hz
-80.8	" "Filewhow	el distantine la marchadia	بالاستانية	Palla Mile My april	MUMAN THE AND A	1764.1.1.1.1.1.1.1.	w.aathaandla	فمعدة الديمة	www.ada.com.uk	analus	
Start	150 kł	iz	a a si fina a			in fulficiation for the fi			Stop 3	0.00 MHz	
#Res	BW 10) kHz		#VBN	/ 30 kHz*		1		368.3 ms (
Agilent	Spectrum	Analyzer - Sw	ept SA		CENCE	-nu cel			11:43:11 A	43411 2012	
Cent	er Fre	q 13.015	000000	GHz PNO: Fast ↔ FGain:Low	Trig: Free #Atten: 40	Run	Avg Type Avg Hold:	EIGN AUTO RMS 5/100	TRAC		Frequency
		Ref Offset 9. Ref 30.00		FGain:Low	WALLETT. 40			м	kr2 25.7		Auto Tune
10 dB	aiv F	cer 30.00							51.5		Center Freq
20.0											13.015000000 GHz
10.0											Start Freq
0.00	-+										30.000000 MHz
-10.0	_									-13.00 dBm	Stop Freq
-20.0											26.00000000 GHz
-30.0	-+							.		n n	CF Step 2.59700000 GHz
-40.0	un and an	مىرىمىر مەرىيى		-Andrew	-	مهام منامعهم	man	a serve and			<u>Auto</u> Man
-50.0											Freq Offset 0 Hz
-60.0 -											
1										6.00 GHz	
Start	30 MH	z							Stop 2	6.00 GHZ	1